06-14-2024 LETTING ITEM 105

FOR INDEX OF SHEETS, SEE SHEET NO. 3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	1
	ILLINOIS	CONTRACT NO. 62F11		

TRAFFIC DATA

	2019 ADT	2040 ADT
47TH STREET (EAST LEG)	20,100	26,000
47TH STREET (WEST LEG)	13,400	19,000
EAST AVENUE (NORTH LEG)	17,600	22,000
EAST AVENUE (SOUTH LEG)	17,600	18,000
BLUFF AVENUE	N/A	N/A

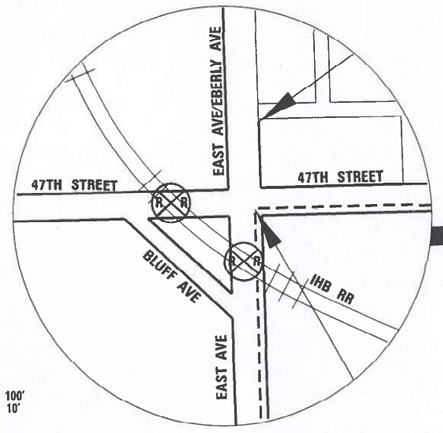
	DESIGN SPEED	POSTED SPEED
47TH STREET (EAST LEG)	40 MPH	40 MPH
47TH STREET (WEST LEG)	30 MPH	30 MPH
EAST AVENUE (NORTH LEG)	30 MPH	30 MPH
EAST AVENUE (SOUTH LEG)	40 MPH	40 MPH
BLUFF AVENUE	N/A	NONE

HIGHWAY FUNCTIONAL CLASSIFICATION

47TH STREET (EAST LEG)	MINOR ARTERIAL
47TH STREET (WEST LEG)	MINOR ARTERIAL
EAST AVENUE (NORTH LEG)	MAJOR COLLECTOR
EAST AVENUE (SOUTH LEG)	MAJOR COLLECTOR
BLUFF AVENUE	LOCAL ROAD

PROJECT IS LOCATED IN:

VILLAGE OF BROOKFIELD
VILLAGE OF LA GRANGE
VILLAGE OF MCCOOK



100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

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

PROJECT MANAGER: JOSEPH CROSS (847) 705-4605
PROJECT ENGINEER: TIMOTHY SCHMIDT (847) 705-4238

CONTRACT NO. 62F11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

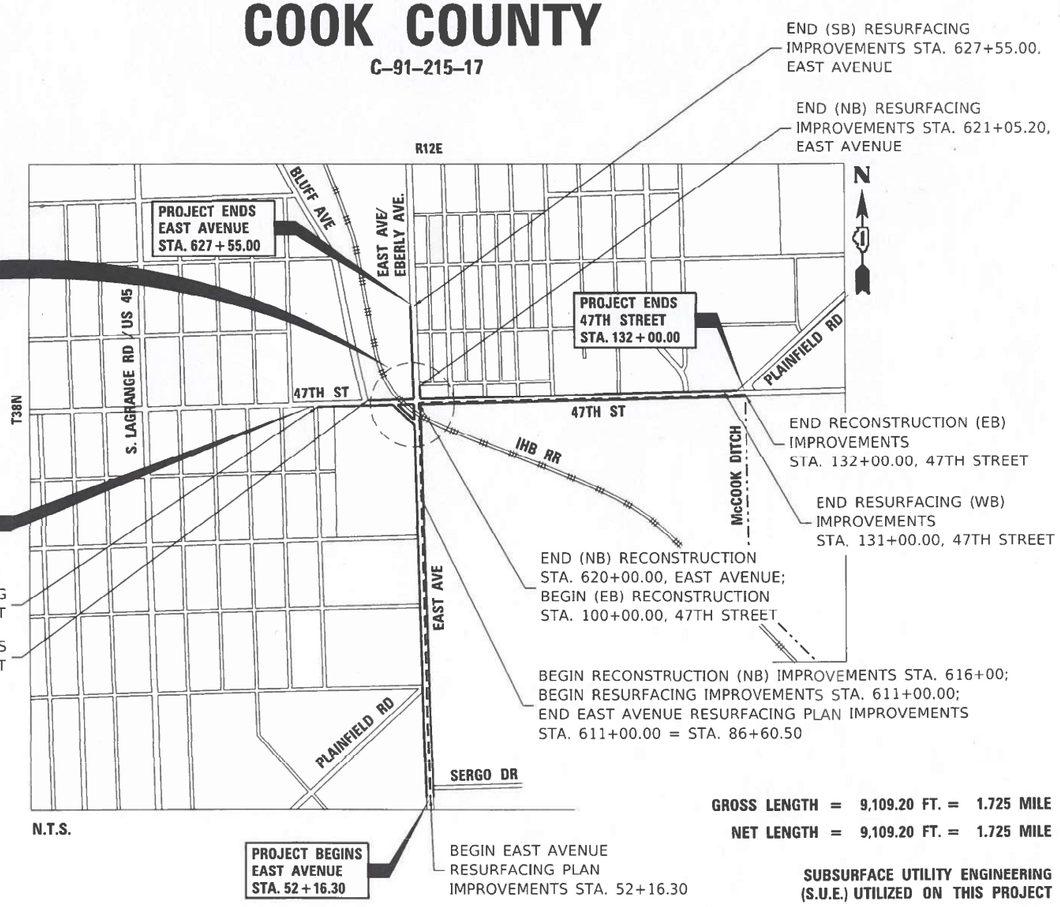
FAU 2719 (EAST AVENUE)

SECTION 3212TS-RR
PROJECT STP-GR25 (187)

INSTALLATION OF NEW TRAFFIC SIGNALS, IMPROVE DRAINAGE, MODIFY EXISTING LIGHTING, UPGRADE RAILROAD CROSSING GATES AND NEW SIDEWALK

COOK COUNTY

C-91-215-17



GROSS LENGTH = 9,109.20 FT. = 1.725 MILE
NET LENGTH = 9,109.20 FT. = 1.725 MILE

SUBSURFACE UTILITY ENGINEERING (S.U.E.) UTILIZED ON THIS PROJECT

D-91-215-17

LOCATION OF SECTION INDICATED THUS: –

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

FOR PROFESSIONAL SEALS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19 20 24
REGIONAL ENGINEER

May 10, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

SINGH + ASSOCIATES, INC.
CIVIL – ROADWAY

TUGULDUR SHINEZORIG — 3-5-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 062-0711304
EXP. DATE: 11-30-2025

SIGNATURE AND SEAL APPLY TO SHEETS:
ALL SHEETS BEARING THE SINGH LOGO UNLESS OTHERWISE NOTED.

SINGH + ASSOCIATES, INC.
DRAINAGE

VYTAS PELEGRIMAS — 3-5-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 062-062214
EXP. DATE: 11-30-2025

SIGNATURE AND SEAL APPLY TO SHEETS:
149-174

SINGH + ASSOCIATES, INC.
TRAFFIC SIGNAL

GREGORY GEDEMER — 3-5-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 062-062156
EXP. DATE: 11-30-2025

SIGNATURE AND SEAL APPLY TO SHEETS:
227-245

SINGH + ASSOCIATES, INC.
LIGHTING

RASHESHKUMAR D. PATEL. — 3-5-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 062-064617
EXP. DATE: 11-30-2025

SIGNATURE AND SEAL APPLY TO SHEETS:
246-265

RS&H, INC.
CIVIL – ROADWAY

ARIELLE L. MALINOWSKI — 03-05-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 062-069534
EXP. DATE: 11-30-2025

SIGNATURE AND SEAL APPLY TO SHEETS:
26-31 & 47-59 & 98-138 & 189-226

RS&H, INC.
STRUCTURAL

BENJAMIN P. KNIERIM — 03-08-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 081.008917
EXP. DATE: 11/30/2024

SIGNATURE AND SEAL APPLY TO SHEETS:
274-293

QUIGG ENGINEERING, INC.
STRUCTURAL

DAVID R. BOOHER — 03-25-2024 DATE SIGNED

ILLINOIS REGISTRATION NO. 08100-4775
EXP. DATE: 11-30-2024

SIGNATURE AND SEAL APPLY TO SHEETS:
266-273

SINGH + ASSOCIATES, INC.
230 W. MONROE STREET, SUITE 1400
CHICAGO, IL 60606
T: (312) 629–0240

QUIGG ENGINEERING, INC.
2351 S. DIRKSEN PARKWAY
SPRINGFIELD, IL 62703
T: (217) 670–0563

RS&H, INC.
2580 FOXFIELD RD, SUITE 301
ST. CHARLES, IL 60174
T: (630) 505–1991

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IDOT STANDARDS

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000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
001006 - 00	DECIMAL OF AN INCH AND OF A FOOT
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
424001 - 11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006 - 05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011 - 04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016 - 05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021 - 06	DEPRESSED CORNER FOR SIDEWALKS
424026 - 03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
601001 - 05	PIPE UNDERDRAINS
602001 - 02	CATCH BASIN TYPE A
602011 - 02	CATCH BASIN TYPE C
602301 - 04	INLET - TYPE A
602401 - 07	PRECAST MANHOLE TYPE A 4' DIA
602402 - 03	PRECAST MANHOLE TYPE A 5' DIA
602406 - 11	PRECAST MANHOLE TYPE A 6' DIA
602601 - 06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701 - 02	MANHOLE STEPS
604001 - 05	FRAME AND LIDS TYPE 1
604036 - 03	GRATE TYPE 8
604091 - 05	FRAME AND GRATE TYPE 24
606001 - 08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001 - 02	CHAIN LINK FENCE
701601 - 09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602 - 10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606 - 10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611 - 01	URBAN HALF LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801 - 06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 09	TRAFFIC CONTROL DEVICES
704001 - 08	TEMORARY CONCRETE BARRIER
720001 - 01	SIGN PANEL MOUNTING ASSEMBLY
720011 - 01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
780001 - 05	TYPICAL PAVEMENT MARKINGS
805001 - 01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001 - 03	HANDHOLES
814006 - 03	DOUBLE HANDHOLES
857006 - 01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001 - 01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001 - 02	TRAFFIC SIGNAL GOUNDING & BONDING
877011 - 10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001 - 11	CONCRETE FOUNDATION DETAILS
880006 - 01	TRAFFIC SIGNAL MOUNTING DETAILS
886001 - 01	DETECTOR LOOP INSTALLATIONS
886006 - 01	TYPICAL LAYOUT FOR DETECTION LOOPS

IDOT DISTRICT ONE DETAILS

STANDARD NO.	TITLE
BD-01	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15'
BD-02	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB GREATER THAN 15'
BD-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
BD-56	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
BE-210	LIGHTING CONTROLLER
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-235	COMBINATION LIGHTING CONTROLLER
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATICS
BE-300	LIGHT POLE FOUNDATION 30' TO 35' M.H. 11 1/2" BOLT CIRCLE
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TC-10	TRAFFIC CONTROL PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-23	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSING
TC-26	DRIVEWAY ENTRANCE SIGNING

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND DISTRICT ONE DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	3
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: \\G01\Projects\17166\04_CADD\CADD_Sheets\D162F11-tit-gen-001.dgn

GENERAL NOTES

1. SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.

2. A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.

3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.

4. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATION AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUE SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PERFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.

7. THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.

8. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

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

11. ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM. HORIZONTAL DATUM: ILLINOIS STATE PLANE EAST ZONE (1201), NAVD 88.

12. THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OR SURFACE COURSE, UNLESS OTHERWISE NOTED.

13. 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE NOTED. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

14. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BD-32 "BUTT JOINT AND HMA TAPER DETAILS " SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

15. THE COST OF FULL OR PARTIAL DEPTH SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM.

16. THE ACTUAL NEED FOR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) SHALL BE DETERMINED IN THE FIELD FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) 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 CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

17. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, RESIDENTIAL AND ADJOINING COMMERCIAL AREAS.

18. BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.

19. WET REFLECTIVE TEMPORARY TAPE TYPE IV SHALL BE USED ON THE FINAL WEARING SURFACE. TEMPORARY PAVEMENT MARKING CONSISTING OF EPOXY OR POLYUREA PAVEMENT MARKING SHALL NOT BE APPLIED TO THE FINAL WEARING SURFACE UNLESS AUTHORIZED BY THE ENGINEER FOR THE LATE SEASON APPLICATION WHERE TAPE ADHESIONS WOULD BE A PROBLEM.

GENERAL NOTES (CONTINUED)

20. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS, IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.0.1 AND 1 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

22. 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.

23. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 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.

24. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(B,C) OF THE SSRBC WILL NOT BE ALLOWED.

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

26. THE ENGINEER SHALL CONTACT EMAD AL HUSSEINI, THE AREA TRAFFIC FIELD ENGINEER AT EMAD.ALHUSSEINI@ILLINOIS.GOV TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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

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

29. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO, CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

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

31. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, RAILROAD (FOR FLAGGING, LOCATES, ETC.), AND IDOT.

32. THE STREET SOUTH OF 47TH STREET IS CALLED EAST AVENUE AND NORTH OF 47TH STREET IT IS CALLED EBERLY AVENUE ON THE EAST SIDE OF THE STREET (BROOKFIELD) AND ON THE WEST SIDE OF THE STREET IT IS CALLED EAST AVENUE (LA GRANGE).

SOUTHEAST CORNER PROPERTY NOTES

1. THE CONTRACTOR SHALL INSTALL TEMPORARY FENCE PRIOR TO REMOVING AND SALVAGING EXISTING CHAIN LINK FENCE. THE TEMPORARY FENCE PERIMETER SHALL BE MAINTAINED UNTIL PERMANENT FENCE WITH PRIVACY SCREEN IS RE-ERECTED.

2. TWO OF THE THREE ENTRANCES ALONG 47TH STREET (PLAINFIELD ROAD, MAPLE AVENUE, AND DEYO AVENUE) SHALL BE MAINTAINED AND OPEN TO TRAFFIC AT ALL TIMES DURING CONSTRUCTION.

3. DRAINAGE EXCAVATION AND INSTALLATION ALONG 47TH STREET SHALL NOT OCCUR BETWEEN MEMORIAL DAY AND THANKSGIVING DAY. ROADWAY PAVING SHALL NOT OCCUR BETWEEN THANKGIVING DAY AND MEMORIAL DAY.

DRAINAGE GENERAL NOTES

1. SEE DRAINAGE DETAILS SHEETS FOR DRAINAGE STRUCTURE OFFSET AND RIM ELEVATION LOCATION.

2. CONNECTING ALL EXISTING STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES AND PROPOSED STORM SEWERS TO EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF STORM SEWER CONNECTION. THE COST OF CONNECTING PROPOSED STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE RELATED DRAINAGE STRUCTURE.

3. PROPOSED RIM AND INVERT ELEVATIONS ARE BASED ON EXISTING THEORETICAL GRADES. ACTUAL FINAL GRADES ARE SUBJECT TO NOMINAL VARIATIONS. ADJUSTMENT OF PROPOSED CASTINGS TO FINAL GRADES IS INCLUDED IN THE COST OF THE RELATED DRAINAGE STRUCTURE.

4. THE CONTRACTOR SHALL VERIFY EXISTING OUTLET STRUCTURE LOCATION AND INVERTS PRIOR TO STARTING UPSTREAM STORM SEWER CONNECTION AND CONSTRUCTION.

5. ALL STORM SEWERS, PIPE CULVERTS, CATCH BASINS, MANHOLES, INLETS AND SIMILAR STRUCTURE NEWLY CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND AND SHALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF FINAL INSPECTION. THE COST OF ANY CLEANING REQUIRED TO COMPLY WITH THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK, UNLESS OTHERWISE NOTED ON THE PLANS.

6. SUFFICENT DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO FACILITATE SURFACE RUNOFF AND EXISTING STORM SEWER FLOW, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER, OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLAN HIS/HER OPERATIONS, WITH THE ENGINEER IN THE FIELD, SO AS TO UTILIZE THE FACILITIES PROVIDED TO PREVENT LOCAL FLOODING AND ENSURE PROPER SURFACE RUNOFF.

7. INSTALLATION AND REMOVAL OF TEMPORARY SOIL RETENTION SYSTEM FOR THE BORE PITS AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE COST OF TEMPORARY SOIL RETENTION SYSTEM.

8. THE BEDDING UNDER PRECAST CONCRETE BOX CULVERT SHALL BE MINIMUM OF ONE (1) FOOT IN DEPTH AND EXTEND TWO (2) FEET BEYOND THE OUTSIDE WALL OF THE PRECAST CONCERETE BOX CULVERT. THE BEDDING MATERIAL SHALL BE PER ART. 540.02 OF THE SSRBC AND SHALL BE INCLUDED IN THE COST OF PRECAST CONCERETE BOX CULVERT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	4
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDS @ NDES	THICKNESS	QMP
47TH STREET RECONSTRUCTION			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	4% @ 90 GYR	10-1/2"	QC/QA
47TH STREET RESURFACING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
47TH STREET WIDENING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	4% @ 90 GYR	10-1/2"	QC/QA
EAST AVENUE RECONSTRUCTION			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	4/4"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	4% @ 90 GYR	10-1/2"	QC/QA
EAST AVENUE RESURFACING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
EAST AVENUE WIDENING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	4% @ 90 GYR	10-1/2"	QC/QA
RESTORATION AREAS			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80	3.5% @ 80 GYR	1-3/4"	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	3/4"	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	4% @ 90 GYR	10-1/2"	QC/QA
QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)			

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/INCH.

2. THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES 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.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	5
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	28	28						
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	26	26						
	20200100	EARTH EXCAVATION	CU YD	4,284	4,284						
	20200200	ROCK EXCAVATION	CU YD	6,500	6,500						
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	500	500						
	20800150	TRENCH BACKFILL	CU YD	916	916						
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,865	2,865						
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	353	353						
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,148	5,148						
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63	63						
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63	63						
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63	63						
*	25100115	MULCH, METHOD 2	ACRE	1.0	1.0						
*	25200100	SODDING	SQ YD	5,031	5,031						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	25200110	SODDING, SALT TOLERANT	SQ YD	117	117						
	25200200	SUPPLEMENTAL WATERING	UNIT	91	91						
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	79	79						
*	28000400	PERIMETER EROSION BARRIER	FOOT	4,654	4,654						
*	28000510	INLET FILTERS	EACH	81	81						
	28100109	STONE RIPRAP, CLASS A5	SQ YD	94	94						
*	28200200	FILTER FABRIC	SQ YD	89	89						
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,144	1,144						
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	17,150	17,150						
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,614	1,614						
	35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	11,456	11,456						
	35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SQ YD	1,165	1,165						
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	24,610	24,610						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	7
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\Gis\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-S00-002.dgn

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
40600370	LONGITUDINAL JOINT SEALANT	FOOT	74,452	74,452						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	25	25						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	350	350						
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	36	36						
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,877	1,877						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,409	1,409						
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	1,879	1,879						
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	63	63						
42001300	PROTECTIVE COAT	SQ YD	2,892	2,892						
42200100	PORTLAND CEMENT CONCRETE RAILROAD CROSSING	SQ YD	512			512				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	612	612						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,121	9,121						
42400800	DETECTABLE WARNINGS	SQ FT	10	10						
44000100	PAVEMENT REMOVAL	SQ YD	11,488	11,488						
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	16,631	16,631						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	8
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	18,035	18,035						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	654	654						
44000300	CURB REMOVAL	FOOT	66	66						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,909	6,909						
44000600	SIDEWALK REMOVAL	SQ FT	2,130	2,130						
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	250	250						
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	125	125						
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	125	125						
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1						
50200100	STRUCTURE EXCAVATION	CU YD	10,003	10,003						
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	14	14						
50300225	CONCRETE STRUCTURES	CU YD	78	78						
50300255	CONCRETE SUPERSTRUCTURE	CU YD	6	6						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	9
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
50300300	PROTECTIVE COAT	SQ YD	24	24						
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9,690	9,690						
50901720	BICYCLE RAILING	FOOT	105	105						
* 51604000	DRILLED SHAFT IN ROCK	CU YD	4	4						
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	69,597	69,597						
54010803	PRECAST CONCRETE BOX CULVERTS 8' X 3'	FOOT	974	974						
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	2,162	2,162						
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	129	129						
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	22	22						
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	60	60						
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	3	3						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	282	282						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	2	2						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	10
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	274	274						
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	567	567						
55100200	STORM SEWER REMOVAL 6"	FOOT	32	32						
55100300	STORM SEWER REMOVAL 8"	FOOT	185	185						
55100400	STORM SEWER REMOVAL 10"	FOOT	26	26						
55100500	STORM SEWER REMOVAL 12"	FOOT	273	273						
55100700	STORM SEWER REMOVAL 15"	FOOT	26	26						
55100900	STORM SEWER REMOVAL 18"	FOOT	147	147						
55101200	STORM SEWER REMOVAL 24"	FOOT	227	227						
55101400	STORM SEWER REMOVAL 30"	FOOT	148	148						
55101900	STORM SEWER REMOVAL 48"	FOOT	135	135						
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2						
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	84	84						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	11
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	70	70						
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	3,466	3,466						
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	166	166						
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	27	27						
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1						
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	6	6						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	15						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3						
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3						
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	3	3						
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	56	56						
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	11	11						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 7 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	12
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
	60500040	REMOVING MANHOLES	EACH	12	12						
	60500050	REMOVING CATCH BASINS	EACH	14	14						
	60500060	REMOVING INLETS	EACH	10	10						
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6,799	6,799						
	60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	94	94						
	63200310	GUARDRAIL REMOVAL	FOOT	1,270	1,270						
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	22,641	22,641						
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	16	16						
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1						
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1						
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	121	121						
	67100100	MOBILIZATION	L SUM	1	1						
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1						
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
FILE NAME: \\Sti1\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-S00-008.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 8 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	13
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	LSUM	1	1						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1						
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30						
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	336	336						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,481	7,481						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12,410	12,410						
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	73	73						
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	8,870	8,870						
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	163	163						
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	52	52						
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	72	72						
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	538	538						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	29,259	29,259						
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,319	1,319						
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	38	38						
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	303	303						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,838	3,838						
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	45	45						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,887.5	2,887.5						
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	20	20						
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	5	5						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	177	165	12					
* 72000200	SIGN PANEL - TYPE 2	SQ FT	76	38	38					
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	119	119						
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	63	63						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

SOQ–10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 10 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	15
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

MODEL: Default
FILE NAME: \\Gis1\Projects\171660\4_CADD\CADD_Sheets\D162F11-sht-SOQ-010.dgn

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	384	384						
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	14	14						
*	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	15	15						
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,196	1,196						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24,421	24,421						
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,555	4,555						
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	119	119						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	705	705						
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	631	631						
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	943	943						
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	813	813						
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8,905	8,905						
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2							2

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 11 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	16
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\Gis\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-S00-91.dgn

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1							1
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,487		1,487					
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	981		186			265	370	160
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,124		954					170
*	81400100	HANDHOLE	EACH	8		8					
*	81400200	HEAVY-DUTY HANDHOLE	EACH	7		7					
*	81400300	DOUBLE HANDHOLE	EACH	4		4					
*	81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	8,285					2,440	3,020	2,825
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,200				1,200			
*	81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	100							100
*	81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1,735				150			1,585
*	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	24				4	9		11
*	82500340	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60AMP	EACH	2							2

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 12 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	17
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	83057245	LIGHT POLE, WOOD, 45 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	7				2			5
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	214					8	128	78
*	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	6							6
*	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	8				3			5
*	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	12					1	9	2
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	12					1	9	2
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6							6
*	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2							2
*	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2							2
*	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2							2
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	374		374					
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,258		467				791	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6,467		6,467					

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
FILE NAME: \\60\1\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-S00-013.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 13 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	18
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,991		4,991					
*	87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	315			315				
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	505		505					
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,921		1,921					
*	87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	4		4					
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2					
*	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1		1					
*	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1					
*	87704320	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 32 FT.	EACH	1		1					
*	87704345	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 38 FT.	EACH	1		1					
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28		28					
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4					
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	55		55					

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	22		22					
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9		9					
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2					
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22		22					
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	20		20					
*	88600100	DETECTOR LOOP, TYPE I	FOOT	885		885					
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	312	312						
*	88700200	LIGHT DETECTOR	EACH	4						4	
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						1	
*	89100400	ILLUMINATED SIGN, LED	EACH	2		2					
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	39	34 + 5**						
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	292	292						
*	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	44				4	10	16	14

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 15 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	20
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12					4	4	4
	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1					
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1				
	Z0064800	SELECTIVE CLEARING	UNIT	4	4						
*	Z0067100	STEEL CASINGS 8"	FOOT	195		195					
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	8							
*	A2002816	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4						
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5						
*	B2001446	TREE, CORNUS MAS 'GOLDEN GLORY'(GOLDEN GLORY CORNELIAN CHERRY DOGWOOD), 6' HEIGHT, CLUMP FORM, B&B	EACH	14	14						
*	B2010070	TREE, CLADRASTIS KENTUCKEA (AMERICAN YELLOWWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8						
*	C2000436	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	185	185						
*	C2003424	SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT, BALLED AND BURLAPPED	EACH	130	130						
*	C2005818	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 18" WIDTH, BALLED AND BURLAPPED	EACH	95	95						
*	C2011024	SHRUB, SYRINGA PATULA MISS KIM (MISS KIM MANCHURIAN LILAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	96	96						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 16 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	21
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
*	D2001672	EVERGREEN, JUNIPERUS VIRGINIANA CANAERTII (CANAERTI RED CEDAR), 6' HEIGHT, BALLED AND BURLAPPED	EACH	60	60						
*	F30099Y2	SEEDLING-OSTRYA VIRGINIANA (IRONWOOD AMERICAN HOPHORNBEAM), 2-YEAR OLD, BARE ROOT	UNIT	19	19						
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	5	5						
*	K0026700	TREE CARE	EACH	4	4						
	X6350108	FLEXIBLE DELINEATORS	EACH	51	51						
	X5510010	STORM SEWER CONNECTION	EACH	22	22						
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	778						778	
*	X0325922	CELLULAR MODEM	EACH	1		1					
	X0326806	WASHOUT BASIN	L SUM	1	1						
*	X0327236	TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	1				1			
	X0327976	TRACK MONITORING	CAL DA	30	30						
	X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)	EACH	11	11						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

S00-17

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 17 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	22
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: \\Gis\1\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-SQQ-017.dgn

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
X1200087	JUNCTION CHAMBER NO. 1	EACH	1	1						
X1200214	JUNCTION CHAMBER NO. 2	EACH	1	1						
X1200254	JUNCTION CHAMBER NO. 3	EACH	1	1						
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1					
X1400169	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1		1					
X1400216	LAYER II (DATALINK) SWITCH	EACH	1		1					
X1400238	LUMINAIRE, LED, SPECIAL	EACH	20					1	16	3
X1400278	REMOVE EXISTING LUMINAIRE	EACH	6							6
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	9	9						
X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (SPECIAL)	SQ FT	775	775						
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	185	185						
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	362	362						
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	121	121						
X5021410	ROCK EXCAVATION FOR STRUCTURES (SPECIAL)	CU YD	20	20						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
FILE NAME: \\Gi1\Projects\171660\4_CADD\CADD_Sheets\D162F11-sht-SOQ-018.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 18 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	23
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE						
				ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
				0004	0021	0021	0021	0021	0021	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
X5021507	DEWATERING	L SUM	1	1						
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	225	225						
X5510100	STORM SEWER REMOVAL	FOOT	3,117	3,117						
X5521494	STORM SEWER JACKED IN PLACE, 36" (SPECIAL)	FOOT	351	351						
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200	200**						
X6020054	JUNCTION BOX REMOVED	EACH	2	2						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3						
X6640206	TEMPORARY CHAIN LINK FENCE, 6'	FOOT	2,498	2,498						
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	92	92						
X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	2,603	2,603						
X6640308	CHAIN LINK GATES (SPECIAL)	EACH	3	3						
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6						
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	12	12						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

MODEL: Default
FILE NAME: \\60\1\Projects\171660\4_CADD\CADD_Sheets\D162F11-sht-SOQ-019.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 19 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	24
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

REV-SEP

					CONSTRUCTION CODE						
					ROADWAY URBAN	TRAFFIC SIGNALS	RAILROAD CROSSINGS	LIGHTING (IDOT)	BROOKFIELD LIGHTING	LA GRANGE LIGHTING AND EVP	MCCOOK LIGHTING
					0004	0021	0021	0021	0021	0021	0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	80% FED 20% IDOT	100% LOCAL	100% LOCAL	100% LOCAL
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
*	X8211007	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	8				2			6
*	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1		1					
*	X8300001	LIGHT POLE (SPECIAL)	EACH	20					1	16	3
*	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1		1					
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2		2					
	X8809005	LED SIGNAL FACE, LENS COVER	EACH	31		31					
Ø	Z0076600	TRAINEES	HOURS	1500	1500						
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1500	1500						

* SPECIALTY ITEMS
** 100% IDOT PAY ITEM

Ø 0042 **SOQ–20**

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 20 OF 20 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	25
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

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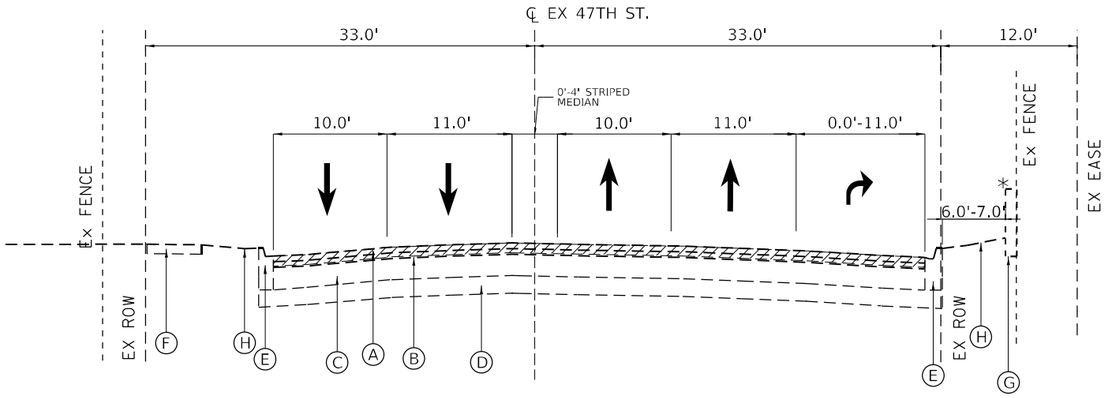
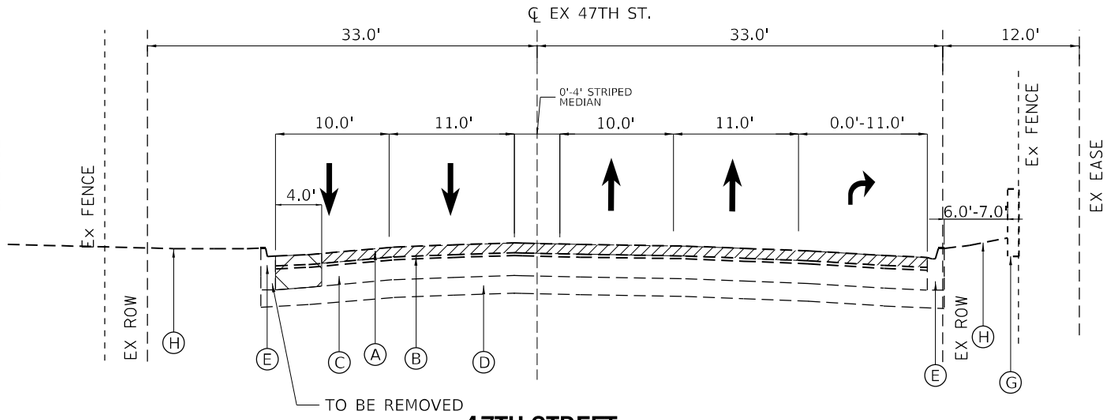


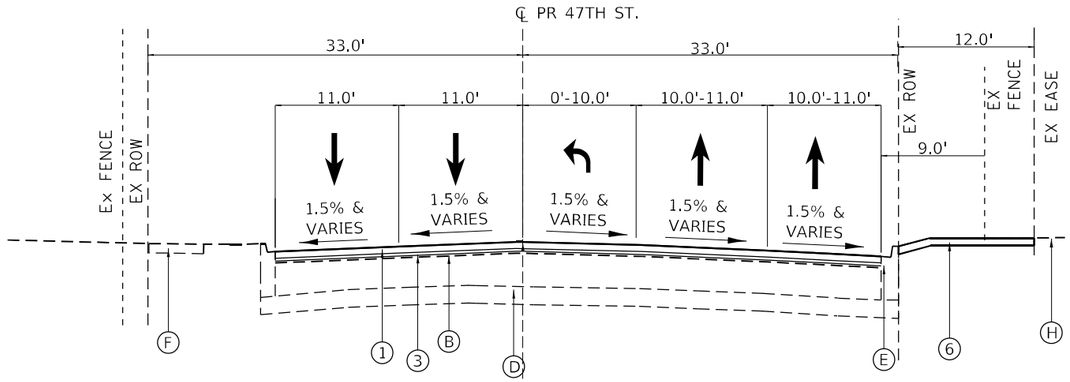
47TH STREET
EXISTING TYPICAL SECTION

STA 91+90.00 TO STA 95+03.00
*RETAINING WALL: STA 92+54.20 TO 94+28.00



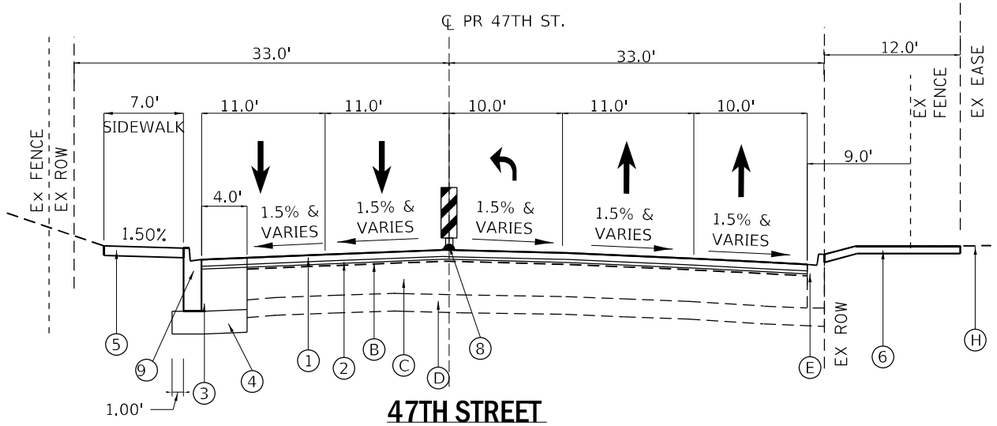
47TH STREET
EXISTING TYPICAL SECTION

STA 95+03.00 TO STA 98+83.98



47TH STREET
PROPOSED TYPICAL SECTION

STA 91+90.00 TO STA 95+03.00



47TH STREET
PROPOSED TYPICAL SECTION

STA 95+03.00 TO STA 98+83.98

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

1. 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
2. 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
3. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
4. SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
5. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
6. SODDING (25200100)
   TOPSOIL FURNISH AND PLACE, 4" (21101615)
7. RETAINING WALL
8. FLEXIBLE DELINEATORS (X0320586)
9. COMBINATION CONCRETE
   CURB & GUTTER, TYPE B-6.12 (60603800)
10. 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
11. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP-01

MODEL: D162F11-sht-sht-lnprf-001
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RS&H

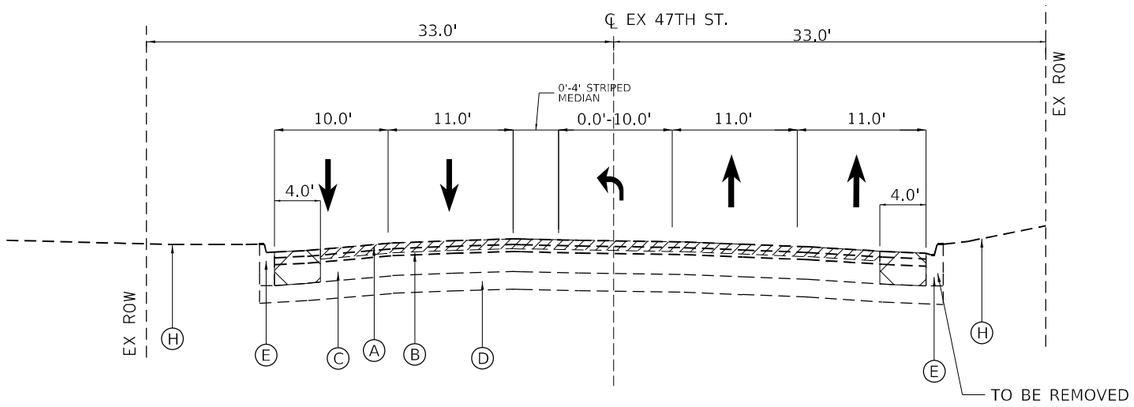
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

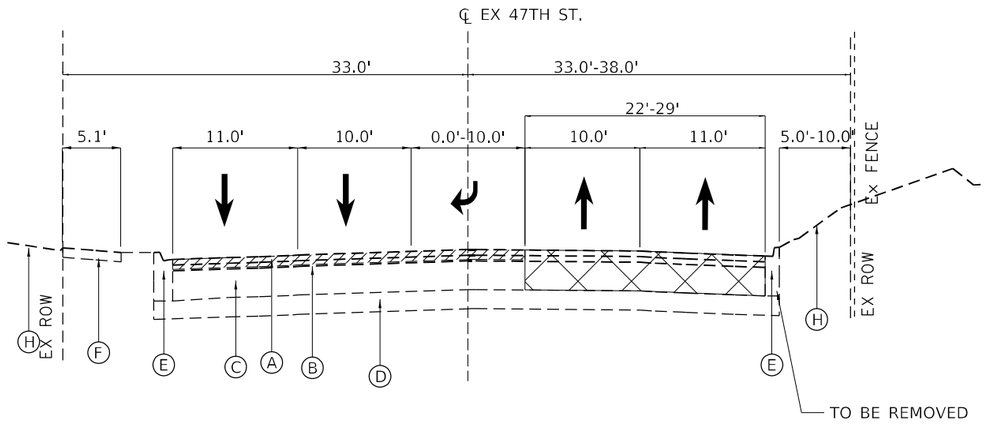
SCALE: N.T.S. | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	26
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



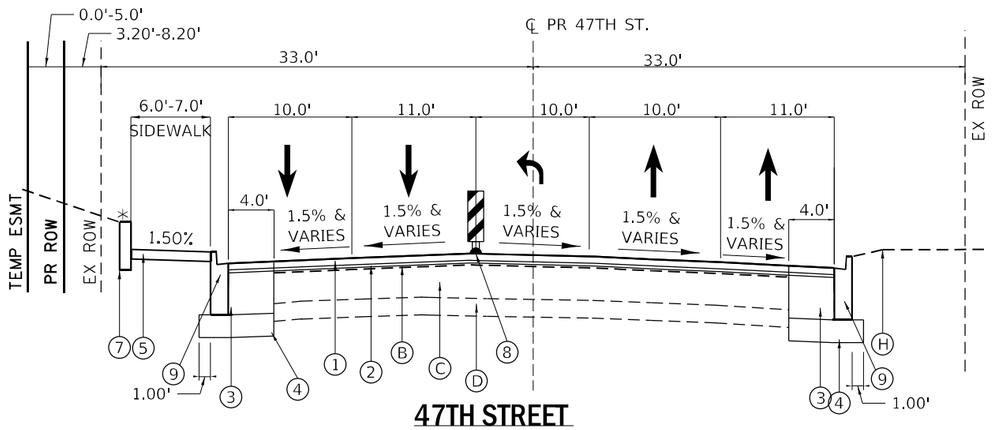
47TH STREET
EXISTING TYPICAL SECTION

STA 98+83.98 TO STA 99+65.00



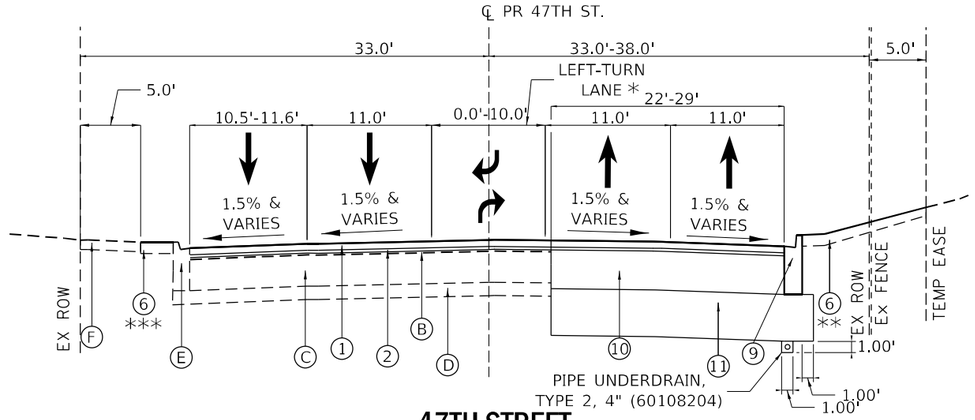
47TH STREET
EXISTING TYPICAL SECTION

STA 99+65.00 TO STA 132+00.00



47TH STREET
PROPOSED TYPICAL SECTION

STA 98+83.98 TO STA 99+65.00
*RETAINING WALL: STA 98+80.82 TO STA 99+55.58



47TH STREET
PROPOSED TYPICAL SECTION

STA 99+65.00 TO STA 132+00.00
*EASTBOUND TURN LANE: STA 122+05.00 TO STA 126+25.00 AND STA 128+80.00 TO STA 130+80.00
*WESTBOUND TURN LANE: STA 100+47.00 TO STA 103+22.00
**STA 100+28.40 TO STA 132+00.00
***STA 106+94.83 TO 109+76.74

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

- (1) 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
- (2) 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
- (4) SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
- (5) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (6) SODDING (25200100)
  TOPSOIL FURNISH AND PLACE, 4" (21101615)
- (7) RETAINING WALL
- (8) FLEXIBLE DELINEATORS (X0320586)
- (9) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (60603800)
- (10) 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP-02

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	27
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plnprf-001
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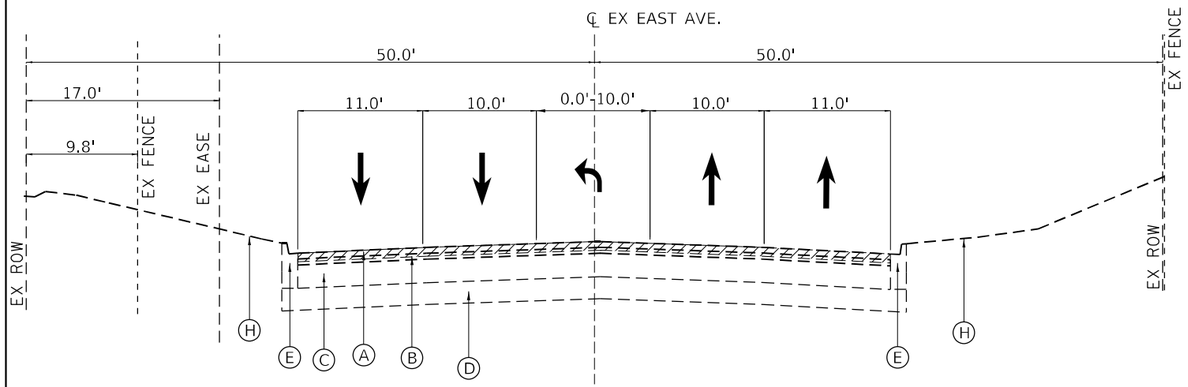
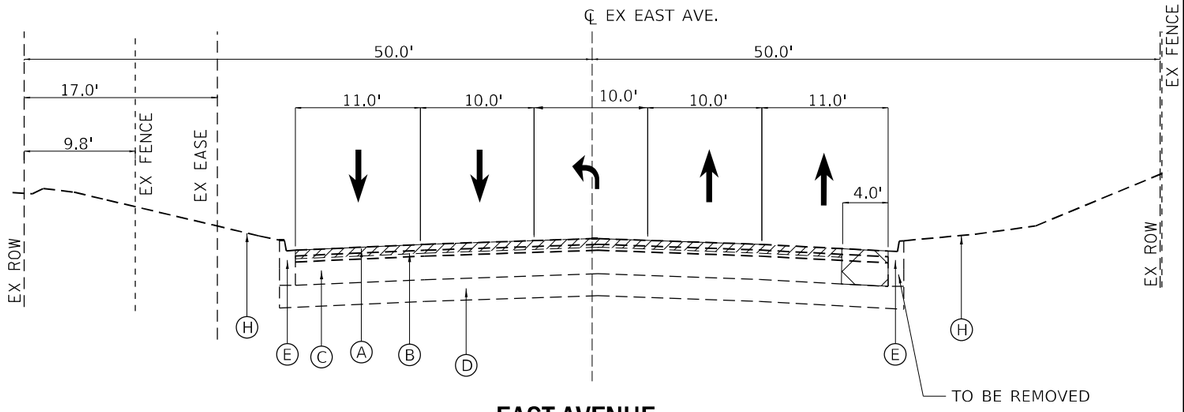


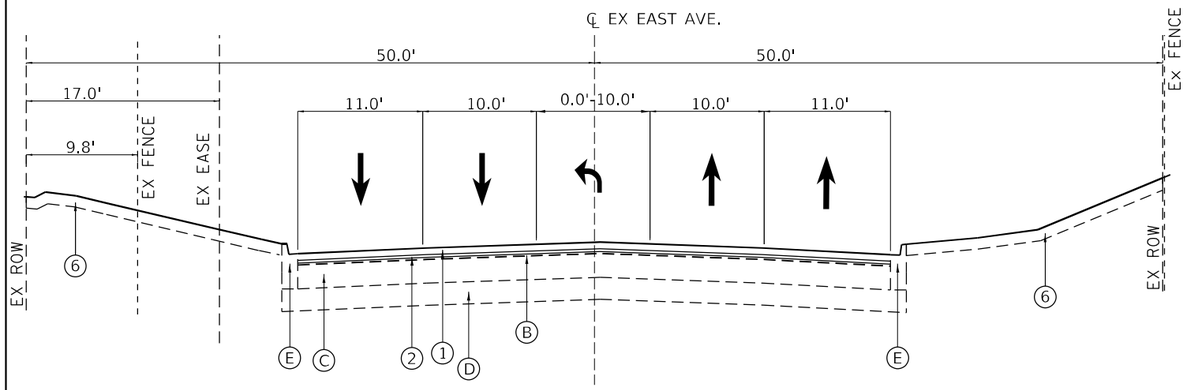
EAST AVENUE
EXISTING TYPICAL SECTION

STA 611+00.00 TO STA 613+00.00



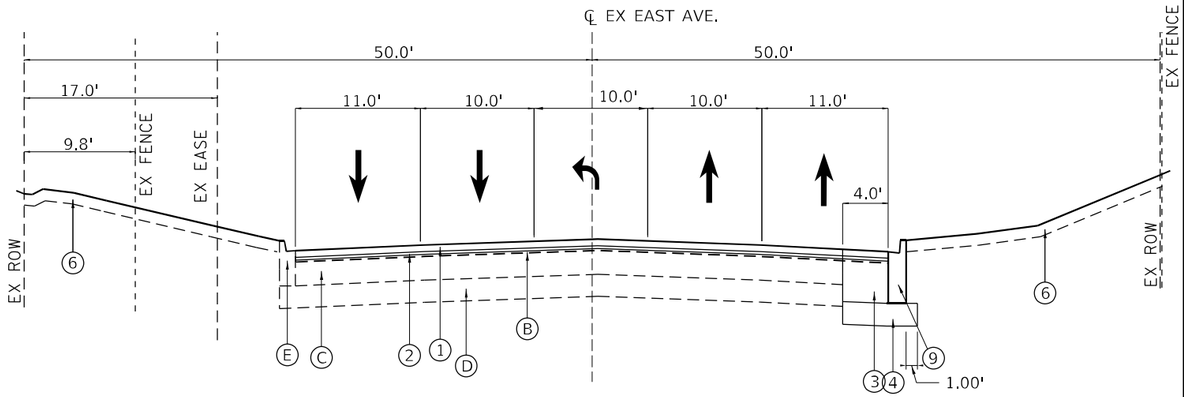
EAST AVENUE
EXISTING TYPICAL SECTION

STA 613+00.00 TO STA 616+00.00



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 611+00.00 TO STA 613+00.00



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 613+00.00 TO STA 616+00.00

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

- (1) 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
- (2) 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
- (3) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
- (4) SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
- (5) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (6) SODDING (25200100)
  TOPSOIL FURNISH AND PLACE, 4" (21101615)
- (7) RETAINING WALL
- (8) FLEXIBLE DELINEATORS (X0320586)
- (9) COMBINATION CONCRETE
  CURB & GUTTER, TYPE B-6.12 (60603800)
- (10) 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP–03

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	28
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dhpf-001
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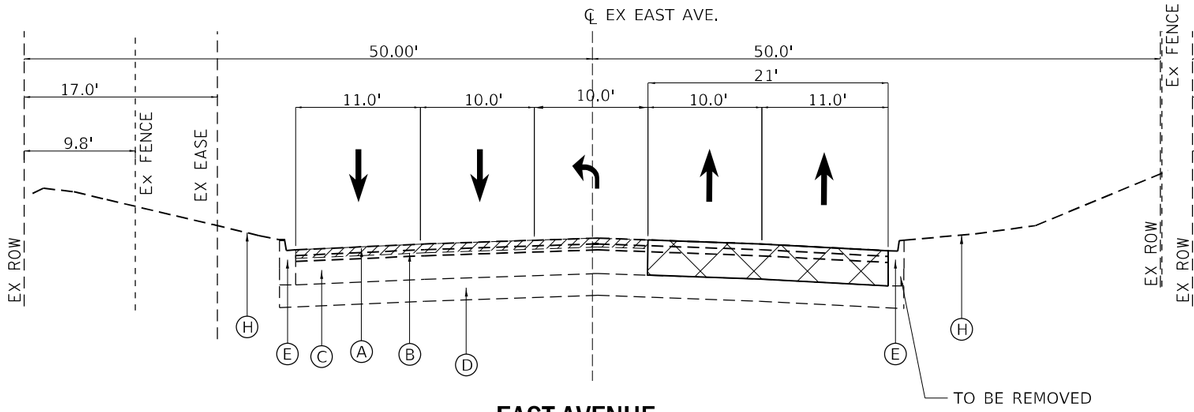
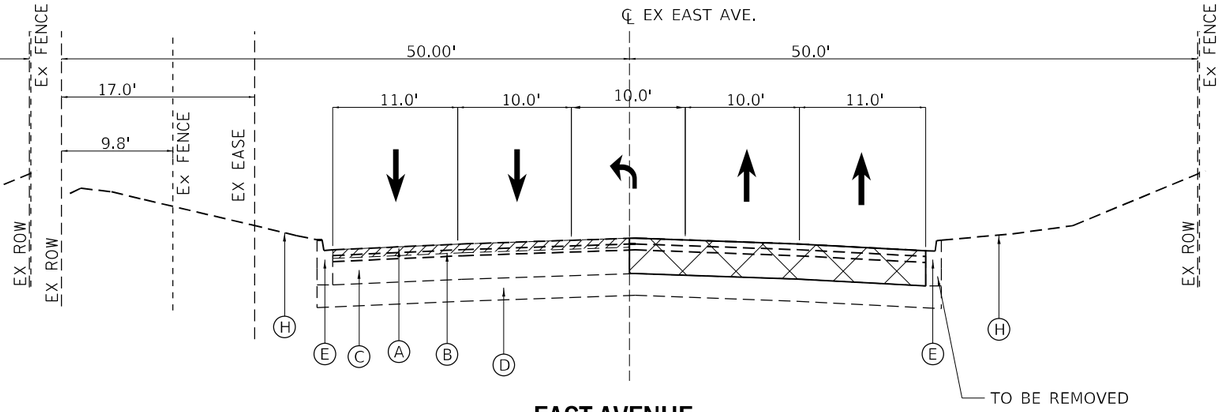


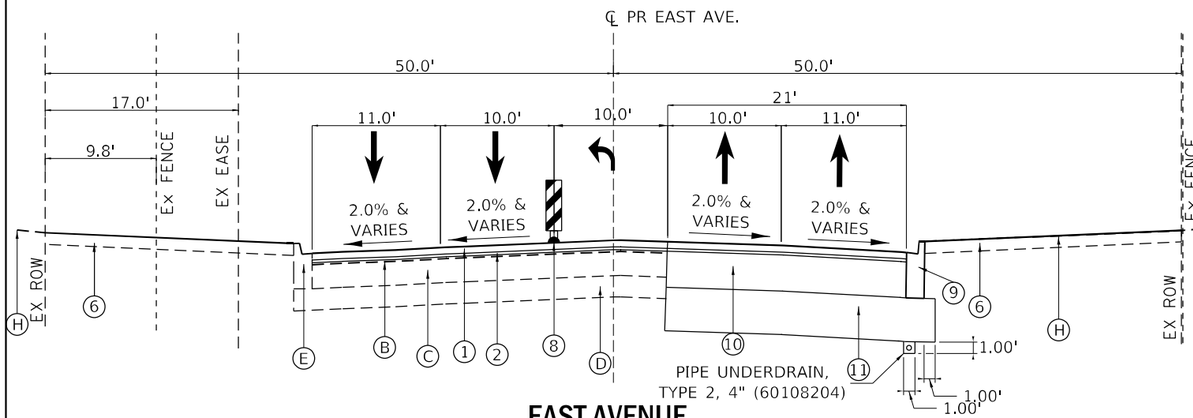
EAST AVENUE
EXISTING TYPICAL SECTION

STA 616+00.00 TO STA 617+20.00



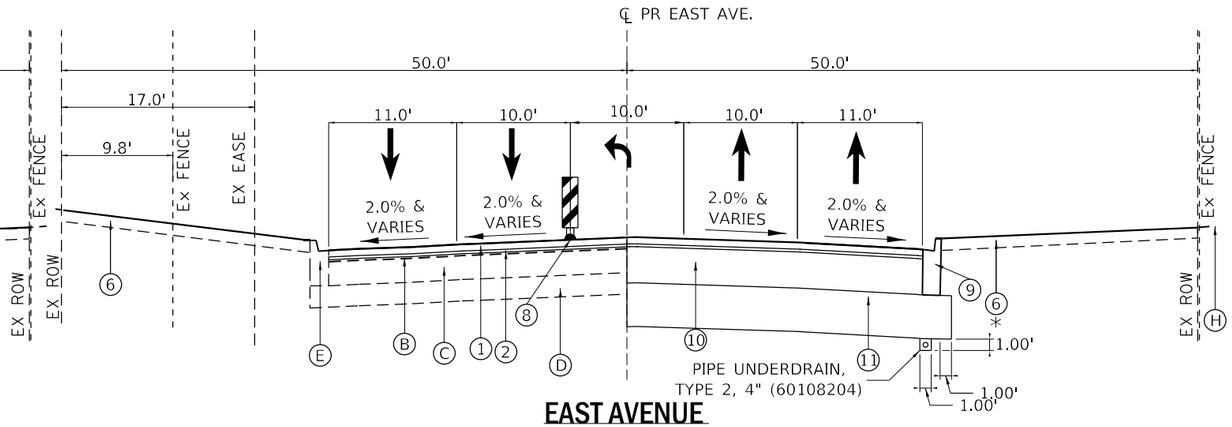
EAST AVENUE
EXISTING TYPICAL SECTION

STA 617+20.00 TO STA 617+85.00



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 616+00.00 TO STA 617+20.00



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 617+20.00 TO STA 617+85.00
*STA 617+31.48 TO STA 618+01.79

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

1. 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
2. 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
3. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
4. SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
5. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
6. SODDING (25200100)
   TOPSOIL FURNISH AND PLACE, 4" (21101615)
7. RETAINING WALL
8. FLEXIBLE DELINEATORS (X0320586)
9. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (60603800)
10. 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
11. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP-04

MODEL: D162F11sht-shprf-001
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RS&H

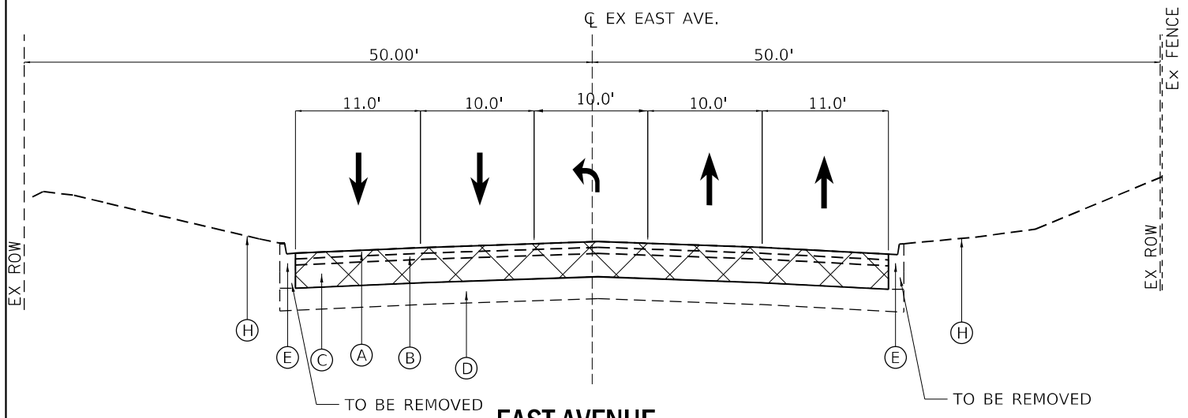
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

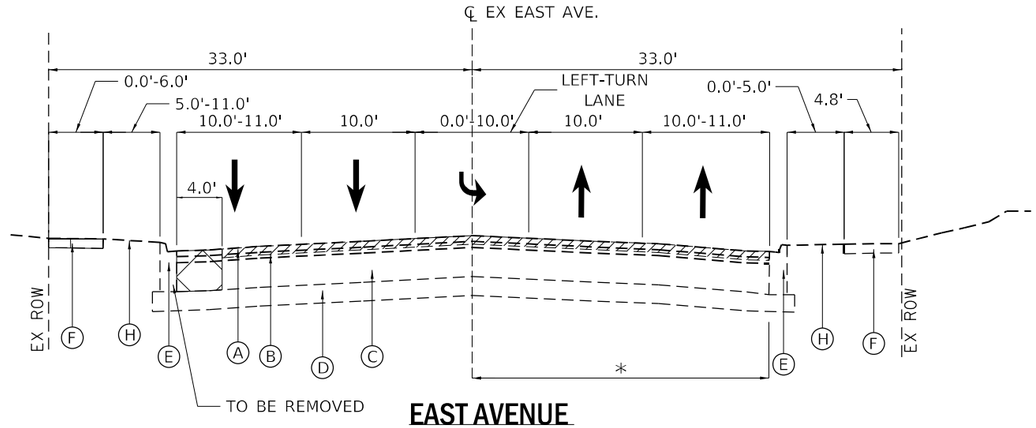
SCALE: N.T.S. | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	29
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



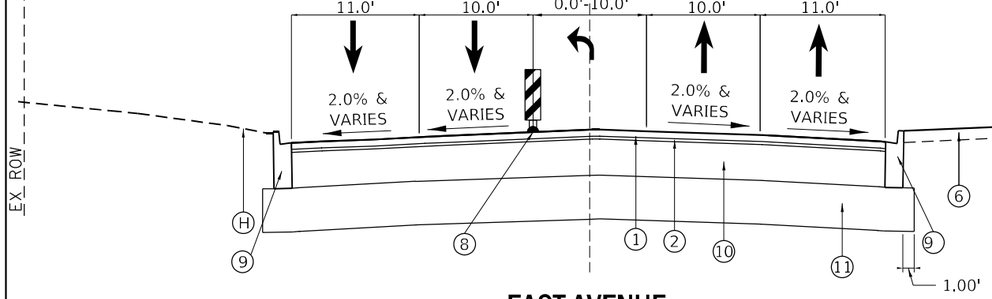
EAST AVENUE
EXISTING TYPICAL SECTION

STA 617+85.00 TO STA 619+95.00
RAILROAD OMISSION: STA 618+30.03 TO STA 618+76.38



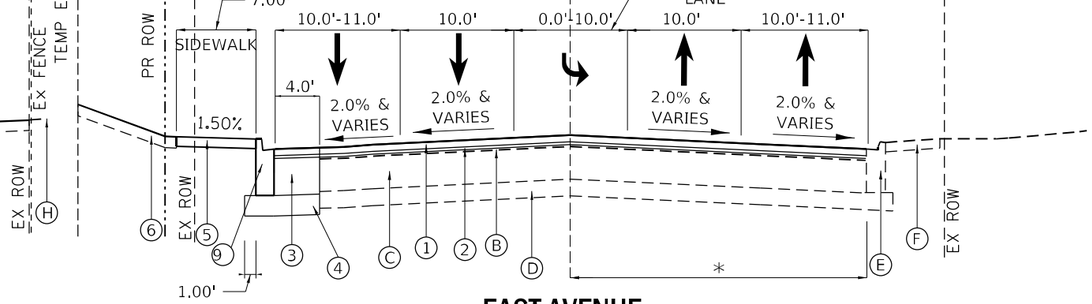
EAST AVENUE
EXISTING TYPICAL SECTION

STA 619+95.00 TO STA 627+55.00
*RESURFACE EAST OF CENTERLINE: STA 619+95.00 TO STA 621+05.20



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 617+85.00 TO STA 619+95.00
RAILROAD OMISSION: STA 618+30.03 TO STA 618+76.38



EAST AVENUE
PROPOSED TYPICAL SECTION

STA 619+95.00 TO STA 627+55.00
*RESURFACE EAST OF CENTERLINE: STA 619+95.00 TO STA 621+05.20

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

1. 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
2. 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
3. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
4. SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
5. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
6. SODDING (25200100)
   TOPSOIL FURNISH AND PLACE, 4" (21101615)
7. RETAINING WALL
8. FLEXIBLE DELINEATORS (X0320586)
9. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (60603800)
10. 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
11. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP-05

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	30
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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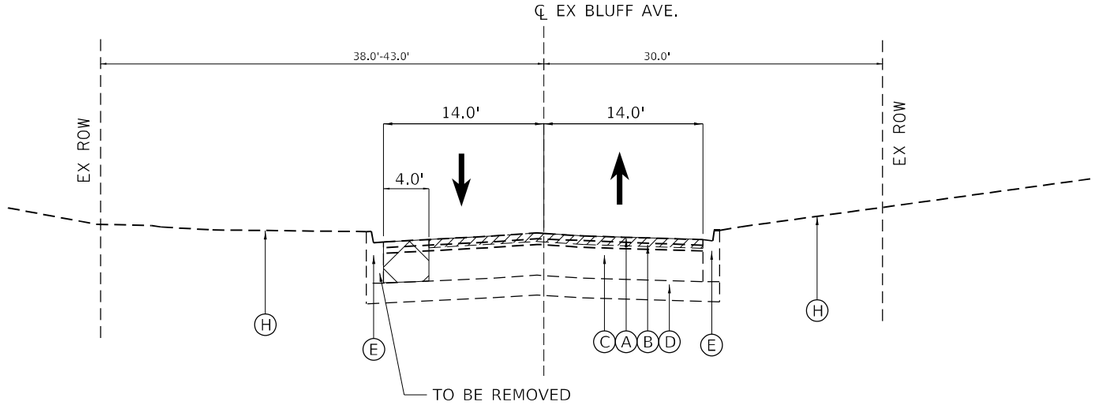
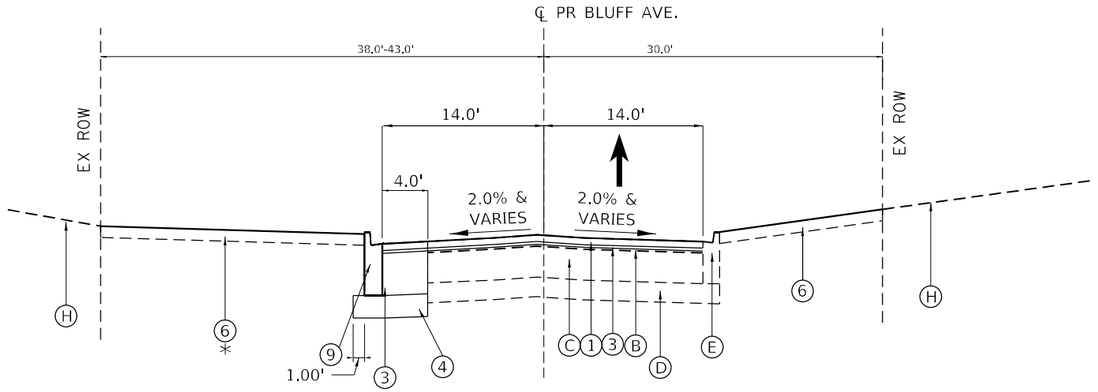


BLUFF AVENUE SOUTH
EXISTING TYPICAL SECTION

STA 10+36.00 TO STA 13+22.00



BLUFF AVENUE SOUTH
PROPOSED TYPICAL SECTION

STA 10+36.00 TO STA 13+22.00
*STA 12+52.42 TO STA 12+98.67

EXISTING LEGEND

- (A) HMA SURFACE COURSE - 1.5" & VARIES
- (B) HMA BINDER COURSE - 1.5" & VARIES
- (C) PCC BASE - 9" & VARIES
- (D) AGGREGATE SUBGRADE
- (E) COMBINATION CONCRETE CURB & GUTTER
- (F) PCC SIDEWALK
- (G) RETAINING WALL
- (H) EXISTING GROUND

PROPOSED LEGEND

1. 1 3/4" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5 MIX "F", N80 (40605026)
2. 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (40603200)
3. HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" (35600718)
4. SUBBASE GRANULAR MATERIALS, TYPE B 4" (31101200)
5. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
6. SODDING (25200100)
   TOPSOIL FURNISH AND PLACE, 4" (21101615)
7. RETAINING WALL
8. FLEXIBLE DELINEATORS (X0320586)
9. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (60603800)
10. 10 1/2" HOT-MIX ASPHALT BASE COURSE (35501326)
11. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

TYP–06

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	31
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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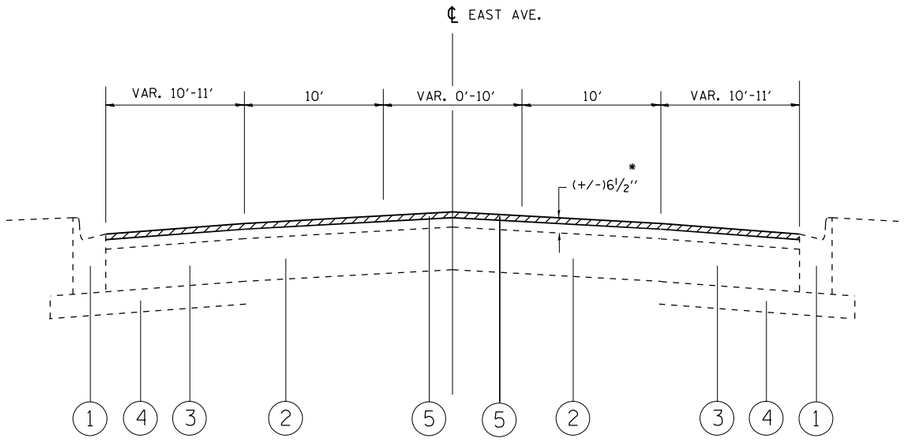
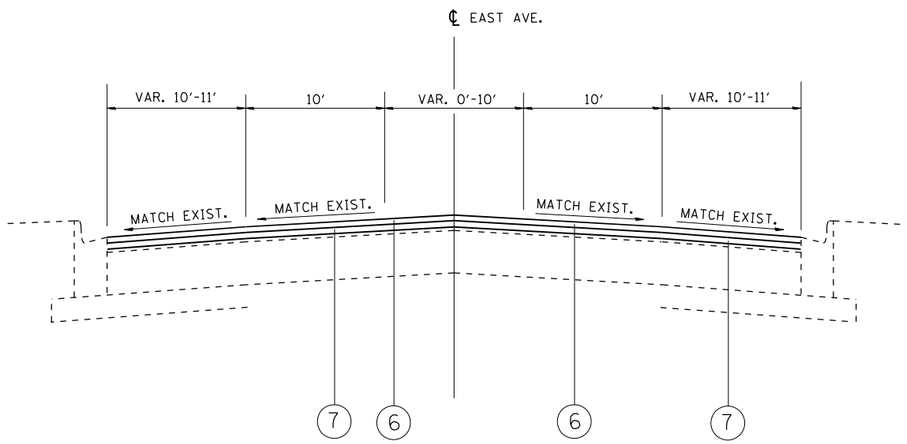


EXISTING TYPICAL SECTION
STA. 52+16.3 TO STA. 86+60.5



PROPOSED TYPICAL SECTION
STA. 52+16.3 TO STA. 86+60.5

LEGEND:

1. EXISTING COMB. CONC. CURB AND GUTTER
2. EXISTING PCC BASE COURSE (+/-) 9"
3. EXISTING HMA BASE COURSE (+/-) 6½"
4. EXISTING SUB-BASE GRANULAR MATERIAL, 6"
5. PROPOSED HMA SURFACE REMOVAL, 2¼"
6. PROPOSED HMA SURFACE COURSE, IL-9.5, N70, MIX "D", 1½"
7. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"

NOTES:

* THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ $N_{DES.}$	
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"	4% @ 70 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCHES (MHA BINDER IL-19.0)	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE(QA/QC); QUALITY CONTROL FOR PERFORMANCE(QCP); PAY FOR PERFORMANCE(PFP)		

MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 3/4/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
EAST AVENUE RESURFACING TYPICAL SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	32
		CONTRACT NO. 62F11		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

47th STREET

STAGE 1

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
98+50	0.0				
		0.5	100.0	50.0	1.9
99+00	7.6				
		3.8	100.0	378.2	14.0
99+50	1.0				
		0.5	50.0	25.0	0.9
100+00	0.0				
		1.0	50.0	50.0	1.9
100+50	2.0				
		16.7	50.0	835.9	31.0
101+00	31.4				
		17.2	50.0	860.9	31.9
101+50	3.0				
		19.2	50.0	960.3	35.6
102+00	35.4				
		34.8	50.0	1,740.4	64.5
102+50	34.2				
		33.4	50.0	1,670.8	61.9
103+00	32.6				
		32.6	50.0	1,630.6	60.4
103+50	32.6				
		32.8	50.0	1,639.8	60.7
104+00	33.0				
		32.7	50.0	1,635.1	60.6
104+50	32.4				
		32.2	50.0	1,610.0	59.6
105+00	32.0				
		31.5	50.0	1,577.1	58.4
105+50	31.1				
		28.5	50.0	1,424.0	52.7
106+00	25.9				
		25.7	50.0	1,287.4	47.7
106+50	25.6				
		26.2	50.0	1,311.1	48.6
107+00	26.8				
		27.1	50.0	1,354.6	50.2
107+50	27.4				
		27.7	50.0	1,387.2	51.4
108+00	28.1				
		28.5	50.0	1,424.1	52.7
108+50	28.9				
		28.6	50.0	1,429.5	52.9
109+00	28.3				
		27.8	50.0	1,390.4	51.5
109+50	27.3				
		26.5	50.0	1,322.6	49.0
110+00	25.6				
		26.2	50.0	1,310.6	48.5
110+50	26.8				
		26.5	50.0	1,323.6	49.0
111+00	26.1				
		26.9	6.8	182.1	6.7
111+07	27.7				
		28.1	43.2	1,217.1	45.1
111+50	28.6				
		28.5	50.0	1,426.9	52.8
112+00	28.5				
		30.0	50.0	1,498.4	55.5
112+50	31.4				
		30.3	50.0	1,515.1	56.1
113+00	29.2				
		28.0	50.0	1,398.9	51.8
113+50	26.8				
		27.2	50.0	1,357.8	50.3
114+00	27.6				
		27.9	50.0	1,395.9	51.7
114+50	28.3				
		28.9	50.0	1,442.9	53.4
115+00	29.4				
		29.2	50.0	1,462.3	54.2

47th STREET

STAGE 1

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
115+50	29.1				
		26.4	50.0	1,318.4	48.8
116+00	23.7				
		24.9	50.0	1,245.4	46.1
116+50	26.1				
		27.6	50.0	1,381.9	51.2
117+00	29.1				
		29.2	50.0	1,458.9	54.0
117+50	29.2				
		29.4	50.0	1,470.1	54.4
118+00	29.6				
		29.0	50.0	1,452.1	53.8
118+50	28.5				
		26.8	100.0	2,681.0	99.3
119+00	26.4				
		25.4	100.0	2,538.3	94.0
119+50	25.1				
		24.8	50.0	1,238.0	45.9
120+00	24.4				
		25.1	50.0	1,256.6	46.5
120+50	25.9				
		26.9	50.0	1,344.6	49.8
121+00	27.9				
		27.8	50.0	1,391.4	51.5
121+50	27.7				
		27.4	50.0	1,368.5	50.7
122+00	27.0				
		27.2	50.0	1,357.8	50.3
122+50	27.3				
		28.1	50.0	1,407.4	52.1
123+00	29.0				
		30.3	50.0	1,516.3	56.2
123+50	31.7				
		33.1	50.0	1,653.3	61.2
124+00	34.5				
		35.6	50.0	1,779.9	65.9
124+50	36.7				
		37.5	50.0	1,875.8	69.5
125+00	38.3				
		39.6	50.0	1,980.0	73.3
125+50	40.9				
		37.3	50.0	1,865.0	69.1
126+00	33.7				
		34.2	50.0	1,707.9	63.3
126+50	34.6				
		35.4	50.0	1,767.8	65.5
127+00	36.1				
		36.1	50.0	1,805.9	66.9
127+50	36.1				
		36.5	23.8	867.2	32.1
127+74	36.8				
		38.2	26.2	1,002.1	37.1
128+00	39.6				
		39.0	50.0	1,949.3	72.2
128+50	38.4				
		37.2	50.0	1,858.0	68.8
129+00	35.9				
		35.8	50.0	1,789.5	66.3
129+50	35.7				
		35.6	50.0	1,777.9	65.8
130+00	35.5				
		35.8	50.0	1,792.0	66.4
130+50	36.2				
		35.5	50.0	1,773.9	65.7
131+00	34.7				
		21.1	50.0	1,053.3	39.0
131+50	7.4				
		7.4	50.0	369.6	13.7
132+00	7.4				
		3.7	50.0	184.8	6.8
132+50	0.0				
				TOTAL	3,548.4

47th STREET

STAGE 1

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
98+50	0.0				
		0.0	100.0	0.0	0.0
99+00	0.0				
		0.0	100.0	1.8	0.1
99+50	0.0				
		0.0	50.0	0.0	0.0
100+00	0.0				
		0.0	50.0	0.0	0.0
100+50	0.0				
		0.0	50.0	0.0	0.0
101+00	0.0				
		0.0	50.0	0.0	0.0
101+50	0.0				
		0.0	50.0	0.0	0.0
102+00	0.0				
		0.0	50.0	0.0	0.0
102+50	0.0				
		0.0	50.0	0.0	0.0
103+00	0.0				
		0.0	50.0	0.0	0.0
103+50	0.0				
		0.0	50.0	0.0	0.0
104+00	0.0				
		0.0	50.0	0.0	0.0
104+50	0.0				
		0.0	50.0	0.0	0.0
105+00	0.0				
		0.0	50.0	0.0	0.0
105+50	0.0				
		0.4	50.0	20.5	0.8
106+00	0.8				
		0.5	50.0	25.4	0.9
106+50	0.2				
		0.1	50.0	6.8	0.3
107+00	0.1				
		0.0	50.0	1.9	0.1
107+50	0.0				
		0.0	50.0	0.0	0.0
108+00	0.0				
		0.0	50.0	0.0	0.0
108+50	0.0				
		0.0	50.0	0.0	0.0
109+00	0.0				
		0.2	50.0	8.8	0.3
109+50	0.4				
		0.6	50.0	31.3	1.2
110+00	0.9				
		0.8	50.0	40.4	1.5
110+50	0.7				
		0.7	50.0	34.0	1.3
111+00	0.6				
		0.3	6.8	2.2	0.1
111+07	0.0				
		0.0	43.2	0.0	0.0
111+50	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.2	50.0	8.3	0.3
112+50	0.3				
		0.2	50.0	9.0	0.3
113+00	0.0				
		0.0	50.0	0.8	0.0
113+50	0.0				
		0.0	50.0	1.3	0.0
114+00	0.1				
		0.0	50.0	1.3	0.0
114+50	0.0				
		0.0	50.0	0.0	0.0
115+00	0.0				
		0.3	50.0	16.9	0.6

47th STREET

STAGE 1

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
115+50	0.7				
		0.5	50.0	25.8	1.0
116+00	0.4				
		0.2	50.0	9.5	0.4
116+50	0.0				
		0.0	50.0	0.6	0.0
117+00	0.0				
		0.0	50.0	0.0	0.0
117+50	0.0				
		0.0	50.0	0.0	0.0
118+00	0.0				
		0.0	50.0	0.0	0.0
118+50	0.0				
		0.1	100.0	5.5	0.2
119+00	0.0				
		0.0	100.0	2.3	0.1
119+50	0.1				
		0.1	50.0	2.8	0.1
120+00	0.0				
		0.0	50.0	0.0	0.0
120+50	0.0				
		0.0	50.0	0.0	0.0
121+00	0.0				
		0.0	50.0	0.0	0.0
121+50	0.0				
		0.5	50.0	24.0	0.9
122+00	1.0				
		0.6	50.0	30.3	1.1
122+50	0.3				
		0.1	50.0	6.3	0.2
123+00	0.0				
		0.0	50.0	0.0	0.0
123+50	0.0				
		0.0	50.0	0.0	0.0
124+00	0.0				
		0.0	50.0	0.0	0.0
124+50	0.0				
		0.0	50.0	0.0	0.0
125+00	0.0				
		0.3	50.0	13.4	0.5
125+50	0.5				
		0.4	50.0	18.5	0.7
126+00	0.2				
		0.1	50.0	7.0	0.3
126+50	0.1				
		0.1	50.0	3.9	0.1
127+00	0.1				
		0.4	50.0	18.1	0.7
127+50	0.6				
		0.4	23.8	8.9	0.3
127+74	0.1				
		0.1	26.2	3.1	0.1
128+00	0.1				
		0.2	50.0	10.9	0.4
128+50	0.3				
		0.3	50.0	13.3	0.5
129+00	0.2				
		0.3	50.0	12.5	0.5
129+50	0.3				
		0.4	50.0	17.5	0.6
130+00	0.4				
		0.5	50.0	25.9	1.0
130+50	0.6				
		0.3	50.0	16.3	0.6
131+00	0.0				
		2.2	50.0	107.7	4.0
131+50	4.3				
		2.1	50.0	106.7	4.0
132+00	0.0				
		0.0	50.0	0.0	0.0
132+50	0.0				
				TOTAL	25.9

EW–01

MODEL: Default
FILE NAME: \\fs01\Projects\17166l04_CADD\CADD_Sheets\D162F11-dht-earthworktables-001.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 1 47TH ST EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	33
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

47th STREET

STAGE 1

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
98+50	0.0				
		0.7	100.0	68.5	2.5
99+00	1.4				
		0.7	100.0	68.5	2.5
99+50	1.3				
		0.7	50.0	33.0	1.2
100+00	0.0				
		1.1	50.0	56.8	2.1
100+50	2.3				
		2.8	50.0	141.9	5.3
101+00	3.4				
		2.6	50.0	129.3	4.8
101+50	1.8				
		1.6	50.0	80.8	3.0
102+00	1.5				
		1.6	50.0	79.5	2.9
102+50	1.7				
		1.3	50.0	66.8	2.5
103+00	1.0				
		0.8	50.0	40.4	1.5
103+50	0.7				
		0.8	50.0	38.4	1.4
104+00	0.9				
		0.8	50.0	41.9	1.6
104+50	0.8				
		0.9	50.0	44.3	1.6
105+00	1.0				
		1.2	50.0	58.8	2.2
105+50	1.4				
		1.2	50.0	58.1	2.2
106+00	0.9				
		2.5	50.0	124.5	4.6
106+50	4.0				
		3.3	50.0	166.0	6.1
107+00	2.6				
		2.2	50.0	108.1	4.0
107+50	1.7				
		2.3	50.0	112.8	4.2
108+00	2.8				
		2.0	50.0	100.3	3.7
108+50	1.2				
		1.3	50.0	66.5	2.5
109+00	1.4				
		1.3	50.0	63.8	2.4
109+50	1.1				
		2.3	50.0	115.3	4.3
110+00	3.5				
		3.8	50.0	190.6	7.1
110+50	4.1				
		2.1	50.0	103.1	3.8
111+00	0.0				
		0.0	6.8	0.0	0.0
111+07	0.0				
		1.9	43.2	82.6	3.1
111+50	3.8				
		2.9	50.0	143.5	5.3
112+00	1.9				
		2.6	50.0	130.3	4.8
112+50	3.3				
		2.6	50.0	127.5	4.7
113+00	1.8				
		1.4	50.0	69.9	2.6
113+50	1.0				
		1.5	50.0	72.8	2.7
114+00	1.9				
		1.8	50.0	88.8	3.3
114+50	1.6				
		1.7	50.0	86.6	3.2
115+00	1.8				
		1.7	50.0	87.0	3.2

47th STREET

STAGE 1

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
115+50	1.6				
		2.9	50.0	145.6	5.4
116+00	4.2				
		4.1	50.0	205.1	7.6
116+50	4.0				
		2.7	50.0	133.1	4.9
117+00	1.3				
		1.3	50.0	66.8	2.5
117+50	1.4				
		1.7	50.0	82.8	3.1
118+00	1.9				
		2.0	50.0	101.1	3.7
118+50	2.1				
		1.7	100.0	172.8	6.4
119+00	1.4				
		1.4	100.0	135.8	5.0
119+50	1.4				
		1.4	50.0	67.5	2.5
120+00	1.3				
		1.6	50.0	77.8	2.9
120+50	1.8				
		2.0	50.0	99.9	3.7
121+00	2.2				
		2.0	50.0	98.8	3.7
121+50	1.7				
		1.6	50.0	79.3	2.9
122+00	1.5				
		2.4	50.0	118.8	4.4
122+50	3.3				
		2.7	50.0	137.1	5.1
123+00	2.2				
		1.6	50.0	78.3	2.9
123+50	0.9				
		1.1	50.0	56.4	2.1
124+00	1.3				
		1.5	50.0	77.3	2.9
124+50	1.8				
		1.7	50.0	85.0	3.1
125+00	1.6				
		1.0	50.0	52.1	1.9
125+50	0.5				
		1.0	50.0	49.6	1.8
126+00	1.5				
		1.1	50.0	56.8	2.1
126+50	0.8				
		1.1	50.0	55.8	2.1
127+00	1.5				
		1.0	50.0	47.8	1.8
127+50	0.4				
		0.2	23.8	5.1	0.2
127+74	0.0				
		0.3	26.2	8.6	0.3
128+00	0.7				
		0.8	50.0	38.4	1.4
128+50	0.9				
		0.7	50.0	36.0	1.3
129+00	0.6				
		0.7	50.0	32.8	1.2
129+50	0.8				
		0.9	50.0	44.9	1.7
130+00	1.0				
		1.1	50.0	55.8	2.1
130+50	1.2				
		0.6	50.0	29.6	1.1
131+00	0.0				
		0.8	50.0	37.9	1.4
131+50	1.5				
		1.7	50.0	85.0	3.1
132+00	1.9				
		0.9	50.0	47.1	1.7
132+50	0.0				
				TOTAL	**212.9**

47th STREET

STAGE 1

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
98+50	0.0				
		0.5	100.0	50.0	1.9
99+00	1.0				
		0.5	100.0	50.0	1.9
99+50	1.0				
		0.5	50.0	25.1	0.9
100+00	0.0				
		0.7	50.0	34.6	1.3
100+50	1.4				
		2.1	50.0	106.6	3.9
101+00	2.9				
		2.1	50.0	105.9	3.9
101+50	1.4				
		1.3	50.0	63.4	2.3
102+00	1.2				
		1.3	50.0	65.3	2.4
102+50	1.4				
		1.0	50.0	50.5	1.9
103+00	0.6				
		0.4	50.0	22.4	0.8
103+50	0.3				
		0.4	50.0	20.6	0.8
104+00	0.5				
		0.6	50.0	27.6	1.0
104+50	0.6				
		0.7	50.0	33.1	1.2
105+00	0.7				
		1.0	50.0	48.5	1.8
105+50	1.2				
		0.9	50.0	43.1	1.6
106+00	0.5				
		1.9	50.0	96.3	3.6
106+50	3.3				
		2.6	50.0	130.9	4.8
107+00	1.9				
		1.4	50.0	72.1	2.7
107+50	1.0				
		1.5	50.0	74.1	2.7
108+00	2.0				
		1.3	50.0	63.1	2.3
108+50	0.5				
		0.7	50.0	35.4	1.3
109+00	0.9				
		0.6	50.0	30.9	1.1
109+50	0.4				
		1.5	50.0	76.3	2.8
110+00	2.7				
		3.1	50.0	154.3	5.7
110+50	3.5				
		1.7	50.0	86.9	3.2
111+00	0.0				
		0.6	6.8	4.2	0.2
111+07	1.2				
		0.6	43.2	26.7	1.0
111+50	0.0				
		1.6	50.0	78.1	2.9
112+00	3.1				
		2.1	50.0	106.4	3.9
112+50	1.1				
		1.8	50.0	88.6	3.3
113+00	2.4				
		1.7	50.0	85.8	3.2
113+50	1.0				
		0.6	50.0	31.8	1.2
114+00	0.3				
		0.8	50.0	38.5	1.4
114+50	1.3				
		1.2	50.0	57.9	2.1
115+00	1.0				
		1.0	50.0	51.1	1.9

47th STREET

STAGE 1

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
115+50	1.0				
		2.2	50.0	111.4	4.1
116+00	3.4				
		3.4	50.0	168.9	6.3
116+50	3.3				
		2.0	50.0	99.3	3.7
117+00	0.7				
		0.7	50.0	33.3	1.2
117+50	0.7				
		0.9	50.0	47.1	1.7
118+00	1.2				
		1.3	50.0	64.8	2.4
118+50	1.4				
		1.0	100.0	97.0	3.6
119+00	0.6				
		0.6	100.0	60.0	2.2
119+50	0.6				
		0.6	50.0	28.0	1.0
120+00	0.6				
		0.7	50.0	35.9	1.3
120+50	0.9				
		1.1	50.0	53.3	2.0
121+00	1.3				
		1.1	50.0	54.8	2.0
121+50	0.9				
		0.8	50.0	41.8	1.5
122+00	0.7				
		1.7	50.0	83.4	3.1
122+50	2.6				
		2.0	50.0	98.8	3.7
123+00	1.4				
		0.8	50.0	39.6	1.5
123+50	0.2				
		0.5	50.0	23.9	0.9
124+00	0.7				
		0.9	50.0	45.1	1.7
124+50	1.1				
		1.2	50.0	57.9	2.1
125+00	1.2				
		0.9	50.0	42.9	1.6
125+50	0.5				
		1.0	50.0	51.0	1.9
126+00	1.6				
		1.2	50.0	57.6	2.1
126+50	0.7				
		1.1	50.0	54.0	2.0
127+00	1.4				
		0.9	50.0	45.9	1.7
127+50	0.4				
		0.2	23.8	5.1	0.2
127+74	0.0				
		0.4	26.2	9.4	0.3
128+00	0.7				
		0.8	50.0	39.1	1.4
128+50	0.9				
		0.7	50.0	35.1	1.3
129+00	0.6				
		0.6	50.0	32.1	1.2
129+50	0.7				
		0.9	50.0	42.9	1.6
130+00	1.0				
		1.1	50.0	53.6	2.0
130+50	1.2				
		0.6	50.0	29.0	1.1
131+00	0.0				
		0.8	50.0	37.6	1.4
131+50	1.5				
		1.5	50.0	75.1	2.8
132+00	1.5				
		0.8	50.0	37.5	1.4
132+50	0.0				
				TOTAL	**149.2**

EW-02

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CAD\C4D_Sheets\D16211-site-earthworktables-002.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 1 47TH ST EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	34
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

EAST AVENUE

STAGE 1

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
612+50	0.0				
		3.2	50.0	159.3	5.9
613+00	6.4				
		6.4	50.0	321.5	11.9
613+50	6.5				
		6.4	50.0	319.3	11.8
614+00	6.3				
		6.4	50.0	318.4	11.8
614+50	6.5				
		6.5	50.0	323.5	12.0
615+00	6.5				
		6.5	50.0	322.5	11.9
615+50	6.4				
		13.9	50.0	694.0	25.7
616+00	21.3				
		21.2	50.0	1,060.4	39.3
616+50	21.1				
		21.4	50.0	1,068.8	39.6
617+00	21.7				
		21.8	13.2	288.0	10.7
617+13	21.9				
		21.7	36.8	800.0	29.6
617+50	21.6				
		21.6	50.0	1,077.5	39.9
618+00	21.5				
		10.8	50.0	538.4	19.9
618+50	0.0				
		10.2	50.0	510.9	18.9
619+00	20.4				
		20.2	50.0	1,009.5	37.4
619+50	19.9				
		10.0	50.0	498.6	18.5
620+00	0.0				
		2.7	50.0	136.9	5.1
620+50	5.5				
		2.7	50.0	136.9	5.1
621+00	0.0				
		0.0	50.0	0.0	0.0
621+50	0.0				
		0.0	50.0	0.0	0.0
622+00	0.0				
		0.0	50.0	0.0	0.0
622+50	0.0				
		0.0	50.0	0.0	0.0
623+00	0.0				
		0.0	50.0	0.0	0.0
623+50	0.0				
		0.0	50.0	0.0	0.0
624+00	0.0				
		0.0	50.0	0.0	0.0
624+50	0.0				
		0.0	50.0	0.0	0.0
625+00	0.0				
		0.0	50.0	0.0	0.0
625+50	0.0				
		0.0	50.0	0.0	0.0
626+00	0.0				
		0.0	50.0	0.0	0.0
626+50	0.0				
		0.0	50.0	0.0	0.0
627+00	0.0				
		0.0	50.0	0.0	0.0
627+50	0.0				
				TOTAL	355.0

EAST AVENUE

STAGE 1

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
612+50	0.0				
		0.0	50.0	0.0	0.0
613+00	0.0				
		0.0	50.0	0.0	0.0
613+50	0.0				
		0.0	50.0	0.0	0.0
614+00	0.0				
		0.0	50.0	0.0	0.0
614+50	0.0				
		0.0	50.0	0.0	0.0
615+00	0.0				
		0.0	50.0	0.0	0.0
615+50	0.0				
		0.0	50.0	0.0	0.0
616+00	0.0				
		0.0	50.0	0.0	0.0
616+50	0.0				
		0.0	50.0	0.0	0.0
617+00	0.0				
		0.0	13.2	0.0	0.0
617+13	0.0				
		0.0	36.8	0.0	0.0
617+50	0.0				
		0.0	50.0	0.0	0.0
618+00	0.0				
		0.0	50.0	0.0	0.0
618+50	0.0				
		0.0	50.0	1.1	0.0
619+00	0.0				
		0.8	50.0	39.7	1.5
619+50	1.5				
		0.8	50.0	38.6	1.4
620+00	0.0				
		2.1	50.0	102.6	3.8
620+50	4.1				
		2.1	50.0	102.6	3.8
621+00	0.0				
		0.0	50.0	0.0	0.0
621+50	0.0				
		0.0	50.0	0.0	0.0
622+00	0.0				
		0.0	50.0	0.0	0.0
622+50	0.0				
		0.0	50.0	0.0	0.0
623+00	0.0				
		0.0	50.0	0.0	0.0
623+50	0.0				
		0.0	50.0	0.0	0.0
624+00	0.0				
		0.0	50.0	0.0	0.0
624+50	0.0				
		0.0	50.0	0.0	0.0
625+00	0.0				
		0.0	50.0	0.0	0.0
625+50	0.0				
		0.0	50.0	0.0	0.0
626+00	0.0				
		0.0	50.0	0.0	0.0
626+50	0.0				
		0.0	50.0	0.0	0.0
627+00	0.0				
		0.0	50.0	0.0	0.0
627+50	0.0				
				TOTAL	10.5

EAST AVENUE

STAGE 1

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
612+50	0.0				
		0.0	50.0	0.0	0.0
613+00	0.0				
		0.0	50.0	0.0	0.0
613+50	0.0				
		0.0	50.0	0.0	0.0
614+00	0.0				
		0.0	50.0	0.0	0.0
614+50	0.0				
		0.0	50.0	0.0	0.0
615+00	0.0				
		0.0	50.0	1.4	0.1
615+50	0.1				
		0.1	50.0	5.0	0.2
616+00	0.1				
		0.2	50.0	9.3	0.3
616+50	0.2				
		0.1	50.0	5.6	0.2
617+00	0.0				
		0.0	13.2	0.0	0.0
617+13	0.0				
		0.1	36.8	4.8	0.2
617+50	0.3				
		0.2	50.0	9.3	0.3
618+00	0.1				
		0.1	50.0	2.8	0.1
618+50	0.0				
		0.0	50.0	0.0	0.0
619+00	0.0				
		1.5	50.0	74.6	2.8
619+50	3.0				
		1.5	50.0	74.6	2.8
620+00	0.0				
		0.0	50.0	0.0	0.0
620+50	0.0				
		0.0	50.0	0.0	0.0
621+00	0.0				
		0.0	50.0	0.0	0.0
621+50	0.0				
		0.0	50.0	0.0	0.0
622+00	0.0				
		0.0	50.0	0.0	0.0
622+50	0.0				
		0.0	50.0	0.0	0.0
623+00	0.0				
		0.0	50.0	0.0	0.0
623+50	0.0				
		0.0	50.0	0.0	0.0
624+00	0.0				
		0.0	50.0	0.0	0.0
624+50	0.0				
		0.0	50.0	0.0	0.0
625+00	0.0				
		0.0	50.0	0.0	0.0
625+50	0.0				
		0.0	50.0	0.0	0.0
626+00	0.0				
		0.0	50.0	0.0	0.0
626+50	0.0				
		0.0	50.0	0.0	0.0
627+00	0.0				
		0.0	50.0	0.0	0.0
627+50	0.0				
				TOTAL	6.9

EAST AVENUE

STAGE 1

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
612+50	0.0				
		0.0	50.0	0.0	0.0
613+00	0.0				
		0.0	50.0	0.0	0.0
613+50	0.0				
		0.0	50.0	0.0	0.0
614+00	0.0				
		0.0	50.0	0.0	0.0
614+50	0.0				
		0.0	50.0	0.0	0.0
615+00	0.0				
		0.0	50.0	0.0	0.0
615+50	0.0				
		0.0	50.0	0.0	0.0
616+00	0.0				
		0.0	50.0	0.0	0.0
616+50	0.0				
		0.0	50.0	0.0	0.0
617+00	0.0				
		0.0	13.2	0.0	0.0
617+13	0.0				
		0.0	36.8	0.0	0.0
617+50	0.0				
		0.0	50.0	0.0	0.0
618+00	0.0				
		0.0	50.0	0.0	0.0
618+50	0.0				
		0.0	50.0	0.0	0.0
619+00	0.0				
		1.1	50.0	54.6	2.0
619+50	2.2				
		1.1	50.0	54.6	2.0
620+00	0.0				
		0.0	50.0	0.0	0.0
620+50	0.0				
		0.0	50.0	0.0	0.0
621+00	0.0				
		0.0	50.0	0.0	0.0
621+50	0.0				
		0.0	50.0	0.0	0.0
622+00	0.0				
		0.0	50.0	0.0	0.0
622+50	0.0				
		0.0	50.0	0.0	0.0
623+00	0.0				
		0.0	50.0	0.0	0.0
623+50	0.0				
		0.0	50.0	0.0	0.0
624+00	0.0				
		0.0	50.0	0.0	0.0
624+50	0.0				
		0.0	50.0	0.0	0.0
625+00	0.0				
		0.0	50.0	0.0	0.0
625+50	0.0				
		0.0	50.0	0.0	0.0
626+00	0.0				
		0.0	50.0	0.0	0.0
626+50	0.0				
		0.0	50.0	0.0	0.0
627+00	0.0				
		0.0	50.0	0.0	0.0
627+50	0.0				
				TOTAL	4.0

EW–03

MODEL: Default
FILE NAME: \\G01\Projects\17-66104-CADD\CADD Sheets\1762F11-sht-earthworktables-003.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 1 EAST AVE EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	35
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

BLUFF AVENUE

STAGE 1

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
10+50	0.0				
		2.1	50.0	104.0	3.9
11+00	4.2				
		4.5	50.0	227.1	8.4
11+50	4.9				
		4.9	50.0	243.3	9.0
12+00	4.8				
		4.9	50.0	244.6	9.1
12+50	5.0				
		2.5	50.0	124.5	4.6
13+00	0.0				
				TOTAL	34.9

BLUFF AVENUE

STAGE 1

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
10+50	0.0				
		0.0	50.0	0.0	0.0
11+00	0.0				
		0.0	50.0	0.0	0.0
11+50	0.0				
		0.0	50.0	0.0	0.0
12+00	0.0				
		0.0	50.0	0.0	0.0
12+50	0.0				
		0.0	50.0	0.0	0.0
13+00	0.0				
				TOTAL	0.0

BLUFF AVENUE

STAGE 1

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
10+50	0.0				
		0.0	50.0	0.0	0.0
11+00	0.0				
		0.0	50.0	0.0	0.0
11+50	0.0				
		0.0	50.0	0.0	0.0
12+00	0.0				
		0.0	50.0	0.0	0.0
12+50	0.0				
		0.0	50.0	0.0	0.0
13+00	0.0				
				TOTAL	0.0

BLUFF AVENUE

STAGE 1

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
10+50	0.0				
		0.0	50.0	0.0	0.0
11+00	0.0				
		0.0	50.0	0.0	0.0
11+50	0.0				
		0.0	50.0	0.0	0.0
12+00	0.0				
		0.0	50.0	0.0	0.0
12+50	0.0				
		0.0	50.0	0.0	0.0
13+00	0.0				
				TOTAL	0.0

EW–04

MODEL: Default
FILE NAME: \\60.1\Projects\171660\4_CADD\CADD_Sheets\D 162F11-sht-earthworktables-004.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 1 BLUFF AVE EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	36
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

47th STREET

STAGE 2

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
95+00	0.0				
		3.7	50.0	183.5	6.8
95+50	7.3				
		7.4	50.0	368.9	13.7
96+00	7.4				
		7.4	50.0	367.8	13.6
96+50	7.3				
		7.2	50.0	362.1	13.4
97+00	7.2				
		7.2	50.0	359.3	13.3
97+50	7.2				
		3.6	50.0	179.5	6.6
98+00	0.0				
		3.6	50.0	180.5	6.7
98+50	7.2				
		7.2	50.0	359.3	13.3
99+00	7.2				
		10.8	50.0	541.5	20.1
99+50	14.5				
		7.3	50.0	362.8	13.4
100+00	0.0				
		3.8	50.0	187.9	7.0
100+50	7.5				
		3.8	50.0	187.9	7.0
101+00	0.0				
		0.0	50.0	0.0	0.0
101+50	0.0				
		0.0	50.0	0.0	0.0
102+00	0.0				
		0.0	50.0	0.0	0.0
102+50	0.0				
		0.0	50.0	0.0	0.0
103+00	0.0				
		0.0	50.0	0.0	0.0
103+50	0.0				
		0.0	50.0	0.0	0.0
104+00	0.0				
		0.0	50.0	0.0	0.0
104+50	0.0				
		0.0	50.0	0.0	0.0
105+00	0.0				
		0.0	50.0	0.0	0.0
105+50	0.0				
		0.0	50.0	0.0	0.0

47th STREET

STAGE 2

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
106+00	0.0				
		0.0	50.0	0.0	0.0
106+50	0.0				
		0.0	50.0	0.0	0.0
107+00	0.0				
		3.1	46.0	143.8	5.3
107+46	6.3				
		3.1	4.0	12.5	0.5
107+50	0.0				
		0.0	50.0	0.0	0.0
108+00	0.0				
		0.0	50.0	0.0	0.0
108+50	0.0				
		4.0	29.8	119.7	4.4
108+80	8.0				
		4.0	20.2	81.1	3.0
109+00	0.0				
		0.0	50.0	0.0	0.0
109+50	0.0				
		0.0	50.0	0.0	0.0
110+00	0.0				
		0.0	50.0	0.0	0.0
110+50	0.0				
		0.0	50.0	0.0	0.0
111+00	0.0				
		0.0	50.0	0.0	0.0
111+50	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.0	50.0	0.0	0.0
112+50	0.0				
		0.0	50.0	0.0	0.0
113+00	0.0				
		0.0	50.0	0.0	0.0
113+50	0.0				
		0.0	50.0	0.0	0.0
114+00	0.0				
		0.0	50.0	0.0	0.0
114+50	0.0				
		3.9	50.0	194.0	7.2
114+70	7.8				
		3.9	29.8	115.5	4.3
115+00	0.0				
				TOTAL	**159.5**

47th STREET

STAGE 2

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
95+00	0.0				
		0.5	50.0	25.9	1.0
95+50	1.0				
		1.4	50.0	67.9	2.5
96+00	1.7				
		1.6	50.0	78.6	2.9
96+50	1.5				
		1.6	50.0	78.4	2.9
97+00	1.7				
		1.7	50.0	85.4	3.2
97+50	1.7				
		0.9	50.0	43.6	1.6
98+00	0.0				
		2.3	50.0	112.9	4.2
98+50	4.5				
		5.7	50.0	286.3	10.6
99+00	6.9				
		6.3	50.0	313.8	11.6
99+50	5.6				
		2.8	50.0	140.4	5.2
100+00	0.0				
		0.4	50.0	20.5	0.8
100+50	0.8				
		0.4	50.0	20.5	0.8
101+00	0.0				
		0.0	50.0	0.0	0.0
101+50	0.0				
		0.0	50.0	0.0	0.0
102+00	0.0				
		0.0	50.0	0.0	0.0
102+50	0.0				
		0.0	50.0	0.0	0.0
103+00	0.0				
		0.0	50.0	0.0	0.0
103+50	0.0				
		0.0	50.0	0.0	0.0
104+00	0.0				
		0.0	50.0	0.0	0.0
104+50	0.0				
		0.0	50.0	0.0	0.0
105+00	0.0				
		0.0	50.0	0.0	0.0
105+50	0.0				
		0.0	50.0	0.0	0.0

47th STREET

STAGE 2

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
106+00	0.0				
		0.0	50.0	0.0	0.0
106+50	0.0				
		0.0	50.0	0.0	0.0
107+00	0.0				
		0.0	46.0	0.0	0.0
107+46	0.0				
		0.0	4.0	0.0	0.0
107+50	0.0				
		0.0	50.0	0.0	0.0
108+00	0.0				
		0.0	50.0	0.0	0.0
108+50	0.0				
		0.0	29.8	0.0	0.0
108+80	0.0				
		0.0	20.2	0.0	0.0
109+00	0.0				
		0.0	50.0	0.0	0.0
109+50	0.0				
		0.0	50.0	0.0	0.0
110+00	0.0				
		0.0	50.0	0.0	0.0
110+50	0.0				
		0.0	50.0	0.0	0.0
111+00	0.0				
		0.0	50.0	0.0	0.0
111+50	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.0	50.0	0.0	0.0
113+00	0.0				
		0.0	50.0	0.0	0.0
113+50	0.0				
		0.0	50.0	0.0	0.0
114+00	0.0				
		0.0	50.0	0.0	0.0
114+50	0.0				
		0.1	20.2	3.0	0.1
114+70	0.3				
		0.1	29.8	4.4	0.2
115+00	0.0				
				TOTAL	**47.5**

EW–05

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D 62F11-dht-earthworktables-005.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 2 47TH ST EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	37
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

47th STREET

STAGE 2

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
95+00	0.0				
		2.1	50.0	106.3	3.9
95+50	4.3				
		3.6	50.0	179.3	6.6
96+00	2.9				
		3.4	50.0	168.8	6.3
96+50	3.8				
		4.4	50.0	220.8	8.2
97+00	5.0				
		4.9	50.0	246.8	9.1
97+50	4.9				
		2.4	50.0	121.8	4.5
98+00	0.0				
		2.6	50.0	132.0	4.9
98+50	5.3				
		4.4	50.0	220.1	8.2
99+00	3.5				
		3.3	50.0	166.1	6.2
99+50	3.1				
		1.6	50.0	78.0	2.9
100+00	0.0				
		0.0	50.0	0.0	0.0
100+50	0.0				
		0.0	50.0	0.0	0.0
101+00	0.0				
		0.0	50.0	0.0	0.0
101+50	0.0				
		0.0	50.0	0.0	0.0
102+00	0.0				
		0.0	50.0	0.0	0.0
102+50	0.0				
		0.0	50.0	0.0	0.0
103+00	0.0				
		0.0	50.0	0.0	0.0
103+50	0.0				
		0.0	50.0	0.0	0.0
104+00	0.0				
		0.0	50.0	0.0	0.0
104+50	0.0				
		0.0	50.0	0.0	0.0
105+00	0.0				
		0.0	50.0	0.0	0.0
105+50	0.0				
		0.0	50.0	0.0	0.0

47th STREET

STAGE 2

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
106+00	0.0				
		0.0	50.0	0.0	0.0
106+50	0.0				
		0.0	50.0	0.0	0.0
107+00	0.0				
		0.0	46.0	0.0	0.0
107+46	0.0				
		0.0	4.0	0.0	0.0
107+50	0.0				
		0.0	50.0	0.0	0.0
108+00	0.0				
		0.0	50.0	0.0	0.0
108+50	0.0				
		0.0	29.8	0.0	0.0
108+80	0.0				
		0.0	20.2	0.0	0.0
109+00	0.0				
		0.0	50.0	0.0	0.0
109+50	0.0				
		0.0	50.0	0.0	0.0
110+00	0.0				
		0.0	50.0	0.0	0.0
110+50	0.0				
		0.0	50.0	0.0	0.0
111+00	0.0				
		0.0	50.0	0.0	0.0
111+50	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.0	0.0	0.0	0.0
112+00	0.0				
		0.0	50.0	0.0	0.0
113+00	0.0				
		0.0	50.0	0.0	0.0
113+50	0.0				
		0.0	50.0	0.0	0.0
114+00	0.0				
		0.0	50.0	0.0	0.0
114+50	0.0				
		0.0	50.0	0.0	0.0
114+70	0.0				
		0.0	29.8	0.0	0.0
115+00	0.0				
				TOTAL	60.7

47th STREET

STAGE 2

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
95+00	0.0				
		0.3	50.0	12.5	0.5
95+50	0.5				
		0.3	50.0	12.5	0.5
96+00	0.0				
		0.0	50.0	0.0	0.0
96+50	0.0				
		0.6	50.0	30.9	1.1
97+00	1.2				
		1.3	50.0	63.8	2.4
97+50	1.3				
		0.7	50.0	32.9	1.2
98+00	0.0				
		1.1	50.0	56.5	2.1
98+50	2.3				
		1.1	50.0	56.5	2.1
99+00	0.0				
		0.0	50.0	0.0	0.0
99+50	0.0				
		0.0	50.0	0.0	0.0
100+00	0.0				
		0.0	50.0	0.0	0.0
100+50	0.0				
		0.0	50.0	0.0	0.0
101+00	0.0				
		0.0	50.0	0.0	0.0
101+50	0.0				
		0.0	50.0	0.0	0.0
102+00	0.0				
		0.0	50.0	0.0	0.0
102+50	0.0				
		0.0	50.0	0.0	0.0
103+00	0.0				
		0.0	50.0	0.0	0.0
103+50	0.0				
		0.0	50.0	0.0	0.0
104+00	0.0				
		0.0	50.0	0.0	0.0
104+50	0.0				
		0.0	50.0	0.0	0.0
105+00	0.0				
		0.0	50.0	0.0	0.0
105+50	0.0				
		0.0	50.0	0.0	0.0

47th STREET

STAGE 2

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
106+00	0.0				
		0.0	50.0	0.0	0.0
106+50	0.0				
		0.0	50.0	0.0	0.0
107+00	0.0				
		0.0	46.0	0.0	0.0
107+46	0.0				
		0.0	4.0	0.0	0.0
107+50	0.0				
		0.0	50.0	0.0	0.0
108+00	0.0				
		0.0	50.0	0.0	0.0
108+50	0.0				
		0.0	29.8	0.0	0.0
108+80	0.0				
		0.0	20.2	0.0	0.0
109+00	0.0				
		0.0	50.0	0.0	0.0
109+50	0.0				
		0.0	50.0	0.0	0.0
110+00	0.0				
		0.0	50.0	0.0	0.0
110+50	0.0				
		0.0	50.0	0.0	0.0
111+00	0.0				
		0.0	50.0	0.0	0.0
111+50	0.0				
		0.0	50.0	0.0	0.0
112+00	0.0				
		0.0	50.0	0.0	0.0
112+50	0.0				
		0.0	50.0	0.0	0.0
113+00	0.0				
		0.0	50.0	0.0	0.0
113+50	0.0				
		0.0	50.0	0.0	0.0
114+00	0.0				
		0.0	50.0	0.0	0.0
114+50	0.0				
		0.0	50.0	0.0	0.0
114+70	0.0				
		0.0	29.8	0.0	0.0
115+00	0.0				
				TOTAL	9.8

EW–06

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D162F11-ditt-earthworktables-2006.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 2 47TH ST EARTHWORK TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	38
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

EAST AVENUE

STAGE 2

CUT

STATION	CUT (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
620+00	0.0				
		1.5	50.0	77.1	2.9
620+50	3.1				
+		4.9	50.0	244.1	9.0
621+00	6.7				
+		6.5	3.9	25.4	0.9
621+04	6.2				
+		6.1	46.1	282.3	10.5
621+50	6.0				
+		8.6	46.0	398.0	14.7
621+96	11.3				
+		11.1	4.0	44.0	1.6
622+00	10.8				
+		8.6	50.0	431.1	16.0
622+50	6.4				
+		6.7	50.0	337.0	12.5
623+00	7.1				
+		6.6	15.7	104.2	3.9
623+16	6.2				
+		6.2	34.3	211.9	7.8
623+50	6.1				
+		6.1	50.0	307.3	11.4
624+00	6.1				
+		6.1	50.0	305.3	11.3
624+50	6.1				
+		6.1	50.0	307.0	11.4
625+00	6.2				
+		6.2	50.0	312.3	11.6
625+50	6.3				
+		6.3	3.5	21.7	0.8
625+53	6.3				
+		6.6	46.5	309.3	11.5
626+00	7.0				
+		7.3	50.0	365.9	13.6
626+50	7.6				
+		7.4	50.0	371.2	13.7
627+00	7.2				
+		7.0	50.0	351.3	13.0
627+50	6.8				
+		3.4	50.0	170.0	6.3
628+00	0.0				
				TOTAL	184.3

EAST AVENUE

STAGE 2

FILL

STATION	FILL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
620+00	0.0				
		4.6	50.0	231.9	8.6
620+50	9.3				
		4.7	50.0	233.6	8.7
621+00	0.1				
		0.1	3.9	0.4	0.0
621+04	0.1				
		0.2	46.1	9.3	0.3
621+50	0.3				
		0.1	46.0	6.4	0.2
621+96	0.0				
		0.0	4.0	0.0	0.0
622+00	0.0				
		0.5	50.0	27.0	1.0
622+50	1.1				
		0.8	50.0	38.3	1.4
623+00	0.4				
		1.7	15.7	27.3	1.0
623+16	3.0				
		2.0	34.3	68.8	2.5
623+50	1.0				
		1.2	50.0	61.8	2.3
624+00	1.5				
		1.7	50.0	82.9	3.1
624+50	1.8				
		1.8	50.0	89.2	3.3
625+00	1.7				
		2.2	50.0	108.3	4.0
625+50	2.6				
		2.5	3.5	8.6	0.3
625+53	2.4				
		1.8	46.5	82.9	3.1
626+00	1.2				
		1.3	50.0	67.0	2.5
626+50	1.5				
		2.2	50.0	109.2	4.0
627+00	2.9				
		1.6	50.0	77.5	2.9
627+50	0.2				
		0.1	50.0	6.2	0.2
628+00	0.0				
				TOTAL	49.5

EAST AVENUE

STAGE 2

TOPSOIL REMOVAL

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
620+00	0.0				
		0.0	50.0	0.0	0.0
620+50	0.0				
		0.0	50.0	0.0	0.0
621+00	0.0				
		0.0	3.9	0.0	0.0
621+04	0.0				
		2.0	46.1	91.9	3.4
621+50	4.0				
		2.0	46.0	91.8	3.4
621+96	0.0				
		0.0	4.0	0.0	0.0
622+00	0.0				
		2.9	50.0	143.6	5.3
622+50	5.7				
		5.8	50.0	292.4	10.8
623+00	6.0				
		3.0	15.7	46.7	1.7
623+16	0.0				
		2.0	34.3	67.3	2.5
623+50	3.9				
		4.1	50.0	204.5	7.6
624+00	4.3				
		4.2	50.0	210.1	7.8
624+50	4.1				
		4.1	50.0	207.0	7.7
625+00	4.1				
		2.1	50.0	103.3	3.8
625+50	0.0				
		0.0	3.5	0.0	0.0
625+53	0.0				
		2.3	46.5	105.6	3.9
626+00	4.5				
		4.9	50.0	245.4	9.1
626+50	5.3				
		2.6	50.0	132.0	4.9
627+00	0.0				
		0.0	50.0	0.0	0.0
627+50	0.0				
+		0.0	50.0	0.0	0.0
628+00	0.0				
				TOTAL	71.9

EAST AVENUE

STAGE 2

TOPSOIL PLACEMENT

STATION	TOPSOIL (SF)	AVERAGE	LENGTH	TOTAL	TOTAL (CY)
620+00	0.0				
		0.0	50.0	0.0	0.0
620+50	0.0				
		0.0	50.0	0.0	0.0
621+00	0.0				
		0.0	3.9	0.0	0.0
621+04	0.0				
		0.2	46.1	8.6	0.3
621+50	0.4				
		0.2	46.0	8.6	0.3
621+96	0.0				
		0.0	4.0	0.0	0.0
622+00	0.0				
		0.0	50.0	0.0	0.0
622+50	0.0				
		1.0	50.0	48.0	1.8
623+00	1.9				
		1.0	15.7	15.1	0.6
623+16	0.0				
		0.2	34.3	6.7	0.2
623+50	0.4				
		0.6	50.0	30.6	1.1
624+00	0.8				
		0.8	50.0	42.5	1.6
624+50	0.9				
		0.8	50.0	39.3	1.5
625+00	0.7				
		1.1	50.0	53.8	2.0
625+50	1.4				
		0.7	3.5	2.5	0.1
625+53	0.0				
		0.9	46.5	39.9	1.5
626+00	1.7				
		0.9	50.0	42.8	1.6
626+50	0.0				
		0.0	50.0	0.0	0.0
627+00	0.0				
		1.3	50.0	67.2	2.5
627+50	2.7				
+		1.3	50.0	67.2	2.5
628+00	0.0				
				TOTAL	17.5

EW–07

MODEL: Default
FILE NAME: \\Gis1\Projects\17-186004_CADD\CADD_Sheets\D162F11-sht-earthworktables-007.dgn

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STAGE 2 EAST AVE EARTHWORK TABLES

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	39
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

EARTHWORK									
ROADWAY & STAGE		EARTH EXCAVATION (CU YD)	ADJ. EARTH EXCAVATION (15%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	STAGE TOPSOIL EXCAVATION (CU YD)	STAGE TOPSOIL PLACEMENT (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	REMOVAL OF UNSUITABLE MATERIALS (CU YD)
STAGE 1	47th STREET	3,548.4	3,016.1	25.9	2,990.2	212.9	149.2	63.7	0.0
	EAST AVE	355.0	301.7	10.5	291.2	6.9	4.0	2.9	0.0
	BLUFF AVE	34.9	29.7	0.0	29.7	0.0	0.0	0.0	0.0
STAGE 2	47th STREET	159.5	135.6	47.5	88.1	60.7	9.8	50.9	0.0
	EAST AVE	184.3	156.7	49.5	107.2	71.9	17.5	54.4	0.0
TOTAL VOLUMES		**4,282.1**	**3,639.8**	**133.5**	**3,506.3**	**352.5**	**180.6**	**171.9**	**0.0**

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	4,283.0
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	353.0

MODEL: Default
FILE NAME: \\G01\Projects\176604_CADD\CADD_Sheets\D 62F11-tht-earthworksummarytable.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
EARTHWORK SUMMARY TABLE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	40
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

25000400			
NITROGEN FERTILIZER NUTRIENT			
ALIGNMENT	STATION	STATION	POUND
47TH	95+05.43	97+00.00	1.26
47TH	97+00.00	98+52.19	0.65
47TH	100+29.87	103+00.00	2.59
47TH	102+60.94	103+00.00	0.27
47TH	103+00.00	109+00.00	3.21
47TH	103+00.00	109+00.00	4.13
47TH	103+08.75	103+20.00	0.33
47TH	106+40.34	106+53.62	0.17
47TH	106+85.00	106+95.82	0.06
47TH	106+92.17	107+32.93	0.12
47TH	109+74.23	109+83.37	0.05
47TH	110+17.37	110+28.48	0.05
47TH	109+00.00	110+73.17	2.53
47TH	111+39.76	115+00.00	4.90
47TH	113+07.31	113+17.85	0.25
47TH	113+54.44	113+61.25	0.16
47TH	115+00.00	121+00.00	3.24
47TH	115+00.00	121+00.00	4.18
47TH	119+75.78	119+87.28	0.23
47TH	120+17.51	120+30.38	0.17
47TH	121+00.00	122+59.12	2.46
47TH	122+81.82	127+00.00	6.40
47TH	127+00.00	127+58.53	0.87
47TH	127+94.40	130+97.29	4.93
47TH	131+37.22	132+00.00	0.90
BLUFF	12+52.43	13+00.00	1.00
EAST	613+00.00	616+85.58	12.03
EAST	617+40.91	617+94.55	1.64
EAST	618+50.74	618+74.27	0.47
EAST	621+25.00	621+90.04	0.59
EAST	622+02.04	622+49.79	0.38
EAST	622+61.81	623+03.78	0.24
EAST	623+24.55	625+37.21	1.43
EAST	626+40.00	626+62.52	0.09
EAST	626+94.74	627+55.00	0.37
		TOTAL	63

25000600			
POTASSIUM FERTILIZER NUTRIENT			
ALIGNMENT	STATION	STATION	POUND
47TH	95+05.43	97+00.00	1.26
47TH	97+00.00	98+52.19	0.65
47TH	100+29.87	103+00.00	2.59
47TH	102+60.94	103+00.00	0.27
47TH	103+00.00	109+00.00	3.21
47TH	103+00.00	109+00.00	4.13
47TH	103+08.75	103+20.00	0.33
47TH	106+40.34	106+53.62	0.17
47TH	106+85.00	106+95.82	0.06
47TH	106+92.17	107+32.93	0.12
47TH	109+74.23	109+83.37	0.05
47TH	110+17.37	110+28.48	0.05
47TH	109+00.00	110+73.17	2.53
47TH	111+39.76	115+00.00	4.90
47TH	113+07.31	113+17.85	0.25
47TH	113+54.44	113+61.25	0.16
47TH	115+00.00	121+00.00	3.24
47TH	115+00.00	121+00.00	4.18
47TH	119+75.78	119+87.28	0.23
47TH	120+17.51	120+30.38	0.17
47TH	121+00.00	122+59.12	2.46
47TH	122+81.82	127+00.00	6.40
47TH	127+00.00	127+58.53	0.87
47TH	127+94.40	130+97.29	4.93
47TH	131+37.22	132+00.00	0.90
BLUFF	12+52.43	13+00.00	1.00
EAST	613+00.00	616+85.58	12.03
EAST	617+40.91	617+94.55	1.64
EAST	618+50.74	618+74.27	0.47
EAST	621+25.00	621+90.04	0.59
EAST	622+02.04	622+49.79	0.38
EAST	622+61.81	623+03.78	0.24
EAST	623+24.55	625+37.21	1.43
EAST	626+40.00	626+62.52	0.09
EAST	626+94.74	627+55.00	0.37
		TOTAL	63

25200100			
SODDING			
ALIGNMENT	STATION	STATION	SQ YD
47TH	95+05.43	97+00.00	102
47TH	97+00.00	98+52.19	52
47TH	100+29.87	103+00.00	209
47TH	102+60.94	103+00.00	22
47TH	103+00.00	109+00.00	259
47TH	103+00.00	109+00.00	333
47TH	103+08.75	103+20.00	27
47TH	106+40.34	106+53.62	14
47TH	106+85.00	106+95.82	5
47TH	106+92.17	107+32.93	10
47TH	109+74.23	109+83.37	4
47TH	110+17.37	110+28.48	4
47TH	109+00.00	110+73.17	204
47TH	111+39.76	115+00.00	395
47TH	113+07.31	113+17.85	20
47TH	113+54.44	113+61.25	13
47TH	115+00.00	121+00.00	261
47TH	115+00.00	121+00.00	337
47TH	119+75.78	119+87.28	19
47TH	120+17.51	120+30.38	14
47TH	121+00.00	122+59.12	199
47TH	122+81.82	127+00.00	516
47TH	127+00.00	127+58.53	70
47TH	127+94.40	130+97.29	398
47TH	131+37.22	132+00.00	73
BLUFF	12+52.43	13+00.00	81
EAST	613+00.00	616+85.58	970
EAST	617+40.91	617+94.55	132
EAST	618+50.74	618+74.27	38
EAST	621+25.00	621+90.04	47
EAST	622+02.04	622+49.79	31
EAST	622+61.81	623+03.78	20
EAST	623+24.55	625+37.21	116
EAST	626+40.00	626+62.52	7
EAST	626+94.74	627+55.00	30
		TOTAL	5,031

28000400			
PERIMETER EROSION BARRIER			
LOCATION	STATION	STATION	FOOT
47TH	95+18.04	95+25.20	35
47TH	95+17.45	97+53.10	256
47TH	110+59.22	111+13.80	55
47TH	111+23.59	111+32.25	9
47TH	120+32.60	121+53.47	121
47TH	100+51.87	110+72.75	1,087
47TH	111+40.57	122+59.03	1,119
47TH	122+81.81	127+53.03	471
47TH	127+97.07	130+81.90	285
47TH	131+75.12	131+89.57	50
EAST	611+00.60	616+93.47	593
EAST	617+31.69	618+06.57	86
EAST	621+17.57	621+85.85	68
EAST	622+05.90	622+49.66	44
EAST	622+62.03	623+02.15	40
EAST	623+29.38	626+64.99	336
		TOTAL	4,654

28000250			
TEMPORARY EROSION CONTROL SEEDING			
LOCATION	STATION	STATION	POUND
47TH	100+51.72	110+72.75	15.2
47TH	111+48.15	122+49.73	23.3
47TH	122+90.70	127+52.11	7.3
47TH	131+37.31	132+16.00	6.4
EAST	613+00.00	616+00.00	15.1
EAST	616+00.00	616+93.47	4.4
EAST	617+40.91	617+90.20	1.0
EAST	619+01.62	619+71.42	2.8
EAST	621+43.70	621+86.22	0.2
EAST	622+05.90	622+49.82	0.3
EAST	622+61.81	623+02.19	0.1
EAST	623+29.14	626+65.29	2.4
EAST	626+40.00	626+62.52	0.2
		TOTAL	79

X6640300			
CHAIN LINK FENCE REMOVAL			
ALIGNMENT	STATION	STATION	FOOT
47TH	131+35.97	131+85.80	92
		TOTAL	92

20100210				
TREE REMOVAL (OVER 15 UNITS DIAMETER)				
ALIGNMENT	STATION	OFFSET	LT/RT	UNIT
EAST	623+94.35	37.50	LT	26
			TOTAL	26

20100110				
TREE REMOVAL (6 TO 15 UNITS DIAMETER)				
ALIGNMENT	STATION	OFFSET	LT/RT	UNIT
EAST	623+65.91	34.68	LT	13
EAST	623+67.76	38.89	LT	7
EAST	626+48.78	24.61	LT	8
			TOTAL	28

TEMPORARY CHAIN LINK FENCE, 6'			
ALIGNMENT	STATION	STATION	FOOT
47TH	102+61.23	103+00.00	39
47TH	103+00.00	109+00.00	600
47TH	109+00.00	110+53.77	154
47TH	111+63.68	115+00.00	337
47TH	115+00.00	121+00.00	600
47TH	121+00.00	122+49.68	150
47TH	122+93.93	126+80.17	386
47TH	128+49.66	130+81.80	232
		TOTAL	2,498

SCH–01

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	41
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\fg01\Projects\171660\4_CADD\CADD_Sheets\062F11-dht-removal schedules 001.dgn

21101615			
TOPSOIL FURNISH AND PLACE, 4"			
ALIGNMENT	STATION	STATION	SQ YD
47TH	95+05.43	97+00.00	102
47TH	97+00.00	98+52.19	52
47TH	100+29.87	103+00.00	209
47TH	102+60.94	103+00.00	22
47TH	103+00.00	109+00.00	259
47TH	103+00.00	109+00.00	333
47TH	103+08.75	103+20.00	27
47TH	106+40.34	106+53.62	14
47TH	106+85.00	106+95.82	5
47TH	106+92.17	107+32.93	10
47TH	109+74.23	109+83.37	4
47TH	110+17.37	110+28.48	4
47TH	109+00.00	110+73.17	204
47TH	111+39.76	115+00.00	395
47TH	113+07.31	113+17.85	20
47TH	113+54.44	113+61.25	13
47TH	115+00.00	121+00.00	261
47TH	115+00.00	121+00.00	337
47TH	119+75.78	119+87.28	19
47TH	120+17.51	120+30.38	14
47TH	121+00.00	122+59.12	199
47TH	122+81.82	127+00.00	516
47TH	127+00.00	127+58.53	70
47TH	127+94.40	130+97.29	398
47TH	131+37.22	132+00.00	73
BLUFF	12+52.43	13+00.00	81
EAST	613+00.00	616+85.58	970
EAST	617+40.91	617+94.55	132
EAST	618+50.74	618+74.27	38
EAST	621+25.00	621+90.04	47
EAST	622+02.04	622+49.79	31
EAST	622+61.81	623+03.78	20
EAST	623+24.55	625+37.21	116
EAST	626+40.00	626+62.52	7
EAST	626+94.74	627+55.00	30
		TOTAL	5,031

28000510				
INLET FILTERS				
LOCATION	STATION	OFFSET	LT/RT	EACH
47TH	89+39.26	20.28	RT	1
47TH	89+46.21	20.62	LT	1
47TH	91+54.76	21.46	LT	1
47TH	91+61.33	21.18	RT	1
47TH	93+18.60	21.98	LT	1
47TH	93+19.11	27.43	RT	1
47TH	94+64.64	58.76	LT	1
47TH	95+03.16	67.02	LT	1
47TH	95+21.78	31.67	RT	1
47TH	96+61.01	22.99	LT	1
47TH	96+67.20	32.01	RT	1
47TH	98+18.30	37.29	RT	1
47TH	99+66.23	25.72	RT	1
47TH	99+67.43	41.53	LT	1
47TH	100+95.95	27.25	LT	1
47TH	101+15.89	26.00	RT	1
47TH	101+61.44	27.00	LT	1
47TH	101+65.00	26.00	RT	1
47TH	102+25.08	26.00	RT	1
47TH	103+11.94	28.41	LT	1
47TH	103+55.96	28.25	LT	1
47TH	104+31.81	25.60	RT	1
47TH	105+46.18	23.63	LT	1
47TH	105+47.03	23.16	RT	1
47TH	107+50.66	22.00	RT	1
47TH	108+87.60	23.00	RT	1
47TH	108+97.52	21.43	LT	1
47TH	108+97.52	22.03	RT	1
47TH	110+58.67	22.00	RT	1
47TH	112+04.02	21.05	LT	1
47TH	112+05.68	22.00	RT	1
47TH	114+00.75	22.00	RT	1
47TH	115+37.80	22.00	RT	1
47TH	115+37.89	20.90	LT	1
47TH	117+35.00	22.00	RT	1
47TH	118+36.03	20.98	LT	1
47TH	118+38.65	22.00	RT	1
47TH	121+94.19	21.23	LT	1
47TH	121+95.70	22.00	RT	1
47TH	124+40.77	27.48	RT	1
47TH	125+05.93	25.64	LT	1
47TH	125+11.50	29.00	RT	1
47TH	127+35.88	29.00	RT	1
47TH	128+33.76	25.89	LT	1
47TH	128+40.90	29.09	RT	1
47TH	128+50.87	29.00	RT	1
47TH	130+27.36	25.87	LT	1
47TH	130+39.33	29.11	RT	1

28000510				
INLET FILTERS				
LOCATION	STATION	OFFSET	LT/RT	EACH
BLUFF	12+08.76	13.89	LT	1
BLUFF	12+17.90	13.37	LT	1
BLUFF	12+26.77	13.89	LT	1
BLUFF	12+09.29	13.94	RT	1
BLUFF	12+18.08	13.67	RT	1
BLUFF	12+27.22	14.00	RT	1
EAST	608+74.28	20.74	RT	1
EAST	608+74.30	19.36	LT	1
EAST	611+23.86	20.11	RT	1
EAST	611+24.35	19.47	LT	1
EAST	613+22.69	25.68	RT	1
EAST	613+23.00	31.11	LT	1
EAST	613+31.03	25.55	LT	1
EAST	613+34.92	26.45	RT	1
EAST	615+14.91	25.55	LT	1
EAST	615+15.00	25.60	RT	1
EAST	615+23.41	25.61	RT	1
EAST	615+23.73	29.44	LT	1
EAST	615+29.98	25.50	LT	1
EAST	615+31.00	25.61	RT	1
EAST	616+23.37	30.15	LT	1
EAST	616+24.25	25.39	RT	1
EAST	618+72.71	39.61	RT	1
EAST	619+55.06	27.71	RT	1
EAST	621+29.82	25.60	RT	1
EAST	621+54.68	25.67	LT	1
EAST	622+53.88	25.67	RT	1
EAST	622+71.10	25.24	LT	1
EAST	624+37.50	24.30	RT	1
EAST	624+57.11	24.94	LT	1
EAST	626+11.22	20.30	RT	1
EAST	626+28.45	19.74	LT	1
EAST	627+48.12	20.37	RT	1
			TOTAL	81

40600982			
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT			
ALIGNMENT	STATION	PAVEMENT WIDTH (FOOT)	SQ YD
47TH	91+90.00	42.3	21
47TH	94+85.70	37.0	19
47TH	98+10.02	69.8	35
47TH	98+63.59	71.0	36
47TH	103+35.70	26.9	13
47TH	106+36.83	29.4	15
47TH	110+01.32	29.0	15
47TH	113+36.12	29.7	15
47TH	120+02.37	27.1	13
47TH	126+65.12	38.3	19
47TH	131+00.00	25.7	13
EAST	611+00.00	40.3	20
EAST	621+05.14	26.0	13
EAST	627+55.00	20.0	10
		TOTAL	256

25100115			
MULCH, METHOD 2			
ALIGNMENT	STATION	STATION	SQ YD
47TH	100+51.72	110+72.75	0.15
47TH	111+48.15	122+49.73	0.23
47TH	122+90.70	127+52.11	0.07
47TH	131+37.31	132+16.00	0.06
EAST	613+00.00	616+00.00	0.15
EAST	616+00.00	616+93.47	0.04
EAST	617+40.91	617+90.20	0.01
EAST	619+01.62	619+71.42	0.03
EAST	621+43.70	621+86.22	0.00
EAST	622+05.90	622+49.82	0.00
EAST	622+61.81	623+02.19	0.00
EAST	623+29.14	626+65.29	0.02
EAST	626+40.00	626+62.52	0.00
		TOTAL	1.00

SCH–02

MODEL: Default
FILE NAME: \\640\Projects\17-186004-CADD\CADD Sheets\D162F11-sht-removal schedules_002.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	42
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

44000100			
PAVEMENT REMOVAL			
ALIGNMENT	STATION	STATION	SQ YD
47TH	95+03.88	97+00.00	100
47TH	97+00.00	97+86.97	39
47TH	98+39.48	621+25.00	98
47TH	100+29.14	100+53.54	20
47TH	98+87.69	618+93.45	76
47TH	98+81.87	99+57.50	74
47TH	102+98.58	103+00.00	1
47TH	103+00.00	103+22.25	14
47TH	103+49.15	103+67.58	13
47TH	106+30.00	106+54.14	15
47TH	106+83.52	109+00.00	100
47TH	109+00.00	109+86.81	42
47TH	110+15.80	110+45.00	17
47TH	112+75.32	113+21.28	25
47TH	113+50.97	115+00.00	70
47TH	113+66.23	114+55.54	52
47TH	115+00.00	116+05.00	47
47TH	99+65.00	103+00.00	1475
47TH	103+00.00	109+00.00	1560
47TH	109+00.00	115+00.00	1467
47TH	115+00.00	121+00.00	1467
47TH	121+00.00	127+00.00	1735
47TH	127+00.00	131+45.00	1434
47TH	131+45.00	132+00.00	24
47TH	108+68.80	108+90.75	4
EAST	613+00.00	618+44.47	1106
EAST	618+59.31	618+70.80	21
EAST	621+25.00	627+00.00	256
EAST	627+00.00	627+25.00	11
EAST	627+25.00	627+55.00	13
BLUFF	10+46.00	11+95.79	110
		TOTAL	11,488

44000159			
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"			
ALIGNMENT	STATION	STATION	SQ YD
47TH	91+90.00	97+00.00	3,002
47TH	97+00.00	98+31.81	1,014
47TH	98+43.19	103+00.00	1,994
47TH	103+00.00	109+00.00	1,542
47TH	109+00.00	115+00.00	1,399
47TH	115+00.00	121+00.00	1,471
47TH	121+00.00	127+00.00	1,774
47TH	127+00.00	130+45.00	986
47TH	130+45.00	131+00.00	156
EAST	611+00.00	612+75.00	889
EAST	612+75.00	618+75.00	2,505
EAST	621+25.00	627+00.00	1,205
EAST	627+00.00	627+25.00	45
EAST	627+25.00	627+55.00	53
		TOTAL	18,035

44000200			
DRIVEWAY PAVEMENT REMOVAL			
ALIGNMENT	STATION	STATION	SQ YD
47TH	107+35.02	107+57.11	7
47TH	108+68.80	108+90.80	9
47TH	110+63.84	111+50.44	90
47TH	114+55.49	114+85.00	29
47TH	122+48.59	122+92.63	24
47TH	127+47.85	127+96.46	34
47TH	130+95.88	131+66.30	121
EAST	616+85.55	617+40.92	75
EAST	618+70.59	618+75.00	3
EAST	618+75.00	619+09.57	64
EAST	620+34.14	621+25.00	113
EAST	621+25.00	621+47.55	22
EAST	621+87.52	622+07.47	28
EAST	623+02.92	623+28.42	37
		TOTAL	654

44000300			
CURB REMOVAL			
ALIGNMENT	STATION	STATION	FOOT
EAST	619+01.99	619+58.97	66
		TOTAL	66

44000500			
COMBINATION CURB AND GUTTER REMOVAL			
ALIGNMENT	STATION	STATION	FOOT
47TH	95+05.33	97+00.00	220
47TH	97+00.00	97+85.69	86
47TH	98+49.17	621+25.00	208
47TH	98+93.86	99+74.96	147
EAST	620+50.09	100+53.54	40
47TH	100+30.22	103+00.00	356
47TH	103+00.00	103+20.92	27
47TH	103+50.70	103+67.58	24
47TH	103+00.00	109+00.00	600
47TH	106+30.00	106+52.45	27
47TH	106+84.88	109+00.00	221
47TH	109+00.00	109+85.18	91
47TH	110+17.37	110+45.00	33
47TH	109+00.00	115+00.00	598
47TH	112+75.32	113+19.55	50
47TH	113+52.45	115+00.00	153
47TH	115+00.00	116+05.00	153
47TH	115+00.00	121+00.00	600
47TH	121+00.00	127+00.00	600
47TH	127+00.00	130+98.53	405
47TH	131+46.89	132+00.00	56
EAST	613+15.84	613+35.17	22
EAST	615+11.43	615+33.77	25
EAST	616+16.75	616+29.79	16
EAST	613+00.00	618+11.83	512
EAST	618+70.80	618+75.00	4
47TH	98+31.81	12+00.00	179
BLUFF	12+00.00	618+47.10	145
EAST	621+25.00	627+25.00	599
EAST	627+25.00	627+55.00	30
Per Engineer's Discretion			682
		TOTAL	6,909

44000600			
SIDEWALK REMOVAL			
ALIGNMENT	STATION	STATION	SQ FT
47TH	100+29.14	100+53.54	292
47TH	102+98.58	103+00.00	8
47TH	103+00.00	103+19.09	109
47TH	103+52.39	103+67.58	60
47TH	106+30.00	106+50.22	112
47TH	106+86.29	107+05.75	84
47TH	107+30.00	107+67.00	174
47TH	108+52.22	109+02.38	224
47TH	109+69.11	109+83.31	119
47TH	110+19.22	110+34.04	121
47TH	113+02.52	113+17.34	148
47TH	113+54.73	113+66.01	104
EAST	619+08.36	619+58.97	211
EAST	622+49.91	623+03.73	264
		TOTAL	2,030

63200310			
GUARDRAIL REMOVAL			
ALIGNMENT	STATION	STATION	FOOT
47TH	113+43.91	115+00.00	156
47TH	115+00.00	121+00.00	601
47TH	121+00.00	122+46.78	147
47TH	122+93.73	126+58.70	365
		TOTAL	1,270

Z0064800			
SELECTIVE CLEARING			
ALIGNMENT	STATION	STATION	UNIT
EAST	611+00.00	612+75.00	1.20
EAST	612+75.00	616+68.85	2.84
		TOTAL	4

SCH–03

MODEL: Default
FILE NAME: \\640\Projects\17166\04-CADD\CADD Sheets\D162F11-sth-removal schedules_003.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	43
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

78000100

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

ALIGNMENT	STATION	OFFSET	LT/RT	SQ FT
47TH	94+00.16	7.09	RT	36.4
47TH	96+80.00	1.80	RT	36.4
47TH	97+11.96	12.40	RT	11.5
47TH	97+16.63	22.23	RT	26.0
47TH	100+59.07	2.26	RT	36.4
47TH	102+85.78	5.00	RT	36.4
47TH	125+15.16	5.00	RT	36.4
47TH	128+90.31	5.00	RT	36.4
47TH	130+42.05	5.00	RT	36.4
BLUFF AVE S	12+60.39	8.55	RT	36.4
EAST	615+03.71	1.98	RT	36.4
EAST	617+64.92	2.23	LT	36.4
EAST	619+15.67	2.23	LT	36.4
EAST	620+53.23	2.25	RT	36.4
EAST	622+74.75	2.25	RT	36.4
47TH	94+27.42	10.79	RT	61.2
47TH	94+27.42	21.79	RT	61.2
47TH	101+51.52	2.77	RT	61.2
47TH	101+51.98	6.36	LT	61.2
47TH	101+51.97	17.47	LT	61.2
EAST	621+46.11	6.48	LT	61.2
EAST	621+46.14	16.98	LT	61.2
EAST	616+58.05	2.74	LT	61.2
EAST	616+58.50	6.01	RT	61.2
EAST	616+58.50	16.37	RT	61.2
			TOTAL	1,123

78000200

THERMOPLASTIC PAVEMENT MARKING - LINE 4"

ALIGNMENT	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	DESCRIPTION	FOOT
47TH	91+90.00	0.00	RT	94+65.00	0.00	LT	DOUBLE	550
47TH	95+12.10	0.00	LT	98+05.21	5.00	LT	DOUBLE	586
47TH	95+12.10	0.00	LT	96+69.29	0.94	LT	DOUBLE	326
47TH	98+58.95	5.00	LT	99+55.00	5.00	LT	DOUBLE	191
47TH	100+47.00	5.00	RT	106+35.40	0.00	RT	DOUBLE	1,177
47TH	103+22.00	5.00	RT	106+10.00	0.00	LT	DOUBLE	576
47TH	107+02.25	0.00	LT	109+68.07	0.00	LT	DOUBLE	532
47TH	110+34.71	0.00	LT	113+02.30	0.00	LT	DOUBLE	535
47TH	113+69.88	0.00	LT	119+70.37	0.00	RT	DOUBLE	1,201
47TH	120+37.37	0.00	RT	126+25.00	3.00	LT	DOUBLE	1,175
47TH	126+91.84	3.00	LT	130+80.00	3.00	LT	DOUBLE	776
47TH	126+91.84	3.00	LT	128+80.00	3.00	LT	DOUBLE	392
EAST	611+00.00	0.00	LT	618+33.39	5.00	LT	DOUBLE	1,467
EAST	611+18.68	0.00	RT	614+93.69	5.00	LT	DOUBLE	751
EAST	618+79.67	5.00	LT	619+53.43	5.00	LT	DOUBLE	148
EAST	620+41.01	5.00	RT	626+51.60	0.00	LT	DOUBLE	1,221
EAST	627+00.91	0.00	LT	632+55.00	0.00	LT	DOUBLE	1,106
BUFF AVE S	10+67.03	5.22	LT	13+24.29	0.28	RT	SOLID	258
BUFF AVE S	12+98.06	27.66	LT	13+24.49	0.28	RT	SOLID	39
47TH	91+90.00	11.00	LT	94+65.00	11.00	LT	SKIP-DASH	69
47TH	91+90.00	10.00	RT	94+65.00	21.00	RT	SKIP-DASH	69
47TH	95+12.10	21.00	RT	99+55.00	15.00	RT	SKIP-DASH	97
47TH	95+12.10	11.00	LT	99+55.00	16.00	LT	SKIP-DASH	98
47TH	100+47.00	16.00	RT	106+35.40	11.00	RT	SKIP-DASH	147
47TH	100+47.00	16.00	LT	106+35.40	11.00	LT	SKIP-DASH	147
47TH	107+02.25	11.00	LT	109+68.07	11.00	LT	SKIP-DASH	66
47TH	107+02.25	11.00	RT	109+68.07	11.00	RT	SKIP-DASH	66
47TH	110+34.71	11.00	LT	113+02.30	11.00	LT	SKIP-DASH	67
47TH	110+34.71	11.00	RT	113+02.30	11.00	RT	SKIP-DASH	67
47TH	113+69.88	11.00	LT	119+70.37	11.00	LT	SKIP-DASH	150
47TH	113+69.88	11.00	RT	119+70.37	11.00	RT	SKIP-DASH	150
47TH	113+69.88	11.00	RT	119+70.37	11.00	RT	SKIP-DASH	150
47TH	120+37.37	14.00	LT	126+25.00	14.00	LT	SKIP-DASH	147
47TH	120+37.37	11.00	RT	126+25.00	18.00	RT	SKIP-DASH	147
47TH	127+00.00	14.00	LT	130+80.00	14.00	LT	SKIP-DASH	95
47TH	127+00.00	18.00	RT	130+80.00	18.00	RT	SKIP-DASH	95
EAST	611+00.00	9.76	LT	618+39.92	15.00	LT	SKIP-DASH	185
EAST	618+66.53	15.00	RT	619+53.45	15.00	RT	SKIP-DASH	22
EAST	618+86.23	15.00	LT	619+21.70	15.00	LT	SKIP-DASH	9
EAST	620+41.01	15.00	LT	626+51.60	10.00	LT	SKIP-DASH	153
EAST	611+00.00	10.25	RT	618+20.18	15.00	RT	SKIP-DASH	180
EAST	620+41.01	15.00	RT	626+51.60	10.00	RT	SKIP-DASH	153
EAST	627+00.91	10.00	RT	628+04.75	10.00	RT	SKIP-DASH	26
EAST	627+00.91	10.00	LT	632+55.00	10.00	LT	SKIP-DASH	139
							TOTAL	15,551

78000650

THERMOPLASTIC PAVEMENT MARKING - LINE 24"

ALIGNMENT	STATION	OFFSET	LT/RT	DESCRIPTION	FOOT
47TH	94+63.05	35.99	LT	SOLID	26
47TH	94+02.45	10.00	RT	SOLID	10
47TH	94+02.45	21.00	RT	SOLID	10
47TH	94+50.46	10.00	RT	SOLID	10
47TH	94+50.46	21.00	RT	SOLID	10
47TH	97+90.00	5.00	LT	SOLID	30
47TH	101+36.97	5.00	RT	SOLID	10
47TH	101+36.97	5.00	LT	SOLID	10
47TH	101+36.97	15.00	LT	SOLID	10
47TH	101+86.97	5.00	RT	SOLID	10
47TH	101+86.97	5.00	LT	SOLID	10
47TH	101+86.97	15.00	LT	SOLID	10
47TH	103+22.35	41.76	LT	SOLID	27
47TH	106+54.62	37.00	LT	SOLID	13
47TH	109+86.77	36.75	LT	SOLID	13
47TH	113+21.28	36.50	LT	SOLID	13
47TH	119+88.18	37.95	LT	SOLID	13
47TH	126+37.62	38.37	LT	SOLID	24
EAST	621+31.08	5.00	LT	SOLID	10
EAST	621+31.08	15.00	LT	SOLID	10
EAST	621+79.09	5.00	LT	SOLID	10
EAST	621+79.09	15.00	LT	SOLID	10
EAST	616+43.50	5.00	LT	SOLID	10
EAST	616+43.50	5.00	RT	SOLID	10
EAST	616+43.50	15.37	RT	SOLID	10
EAST	616+91.50	5.00	LT	SOLID	10
EAST	616+91.50	5.00	RT	SOLID	10
EAST	616+91.50	15.37	RT	SOLID	10
47TH	98+75.00	5.00	LT	SOLID	21
47TH	100+47.00	5.00	RT	SOLID	32
47TH	130+80.00	3.00	LT	SOLID	32
EAST	617+78.00	26.00	RT	SOLID	31
EAST	619+24.00	6.00	LT	SOLID	20
EAST	620+41.01	33.53	LT	SOLID	39
BLUFF	13+17.64	0.00	RT	SOLID	24
				TOTAL	559

SCH-04

78000400								
THERMOPLASTIC PAVEMENT MARKING - LINE 6"								
ALIGNMENT	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	DESCRIPTION	FOOT
EAST	618+59.36	25.93	RT	619+53.46	27.47	RT	SOLID	805
EAST	617+83.48	26.00	RT	618+12.96	26.00	RT	SOLID	318
47TH	91+90.00	0.00	LT	93+90.00	10.00	RT	PMK-DOTTED	47
47TH	93+90.00	10.00	RT	94+65.00	10.00	RT	SOLID	75
47TH	95+35.00	1.00	RT	96+70.00	9.00	RT	PMK-DOTTED	34
47TH	96+70.00	9.00	RT	98+14.29	5.00	RT	SOLID	144
47TH	97+84.56	25.59	RT	98+31.81	25.52	RT	SOLID	338
47TH	98+68.14	5.00	LT	99+55.00	5.00	LT	SOLID	87
47TH	98+87.69	26.00	RT	99+55.00	26.00	RT	SOLID	744
47TH	100+47.00	5.00	LT	103+22.00	5.00	LT	SOLID	275
47TH	103+22.00	5.00	LT	104+97.23	2.82	LT	PMK-DOTTED	44
47TH	122+05.00	0.00	RT	125+05.00	7.00	RT	PMK-DOTTED	75
47TH	125+05.00	7.00	RT	126+25.00	7.00	RT	SOLID	120
47TH	127+45.00	7.00	RT	128+80.00	7.00	RT	PMK-DOTTED	34
47TH	128+80.00	7.00	RT	130+80.00	7.00	RT	SOLID	200
47TH	103+17.55	30.75	LT	103+52.14	30.83	LT	SOLID	62
47TH	106+47.40	26.00	LT	106+90.25	26.00	LT	SOLID	75
47TH	109+80.18	25.75	LT	110+22.39	25.75	LT	SOLID	74
47TH	113+14.53	25.50	LT	113+57.88	25.50	LT	SOLID	76
47TH	190+81.65	26.95	LT	120+22.90	26.95	LT	SOLID	73
EAST	613+18.67	5.00	RT	614+93.67	5.00	RT	PMK-DOTTED	44
EAST	614+93.67	5.00	RT	618+26.75	5.00	RT	SOLID	333
EAST	620+41.01	5.00	LT	623+11.00	5.00	LT	SOLID	270
EAST	623+11.00	5.00	LT	624+86.01	0.00	LT	PMK-DOTTED	44
							TOTAL	4,392

78000500								
THERMOPLASTIC PAVEMENT MARKING - LINE 8"								
ALIGNMENT	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	DESCRIPTION	FOOT
BLUFF AVE S	10+34.64	0.95	RT	10+67.03	5.22	LT	SOLID	57
47TH	99+55.00	5	LT	99+55.00	26	RT	SOLID	30
EAST	618+89.65	5	LT	618+89.65	26	RT	SOLID	31
							TOTAL	119

78000600								
THERMOPLASTIC PAVEMENT MARKING - LINE 12"								
ALIGNMENT	STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	DESCRIPTION	FOOT
47TH	95+12.10	0.00	LT	96+40.00	0.00	LT	SOLID	33
47TH	103+22.00	5.00	RT	106+10.00	0.00	LT	SOLID	48
EAST	611+18.68	0.00	LT	614+93.69	5.00	LT	SOLID	94
BLUFF	10+34.64	0.95	RT	13+24.49	0.28	RT	SOLID	155
47TH	94+50.81	25.00	LT	95+23.59	24.97	LT	SOLID	129
47TH	99+60.99	31.00	LT	100+34.81	29.23	LT	SOLID	137
47TH	126+90.87	0.75	RT	128+80.00	3.00	LT	SOLID	57
							TOTAL	653

78100100			
RAISED REFLECTIVE PAVEMENT MARKER			
ALIGNMENT	STATION	STATION	EACH
47TH	91+90.00	94+65.00	7
47TH	91+90.00	94+65.00	7
47TH	95+12.00	97+96.36	7
47TH	95+12.10	98+22.83	8
47TH	96+70.00	98+14.29	4
47TH	98+68.14	99+55.00	3
47TH	98+77.45	99+55.00	2
47TH	100+47.00	106+35.40	15
47TH	100+47.00	106+35.40	14
47TH	107+02.25	109+68.07	7
47TH	107+02.25	109+68.07	7
47TH	110+34.71	113+02.30	7
47TH	110+34.71	113+02.30	7
47TH	113+76.00	119+70.37	15
47TH	113+76.00	119+70.37	15
47TH	120+37.37	126+25.00	15
47TH	120+37.37	126+25.00	15
47TH	125+05.00	126+25.00	3
47TH	127+00.00	130+80.00	10
47TH	127+00.00	130+80.00	10
47TH	128+80.00	130+80.00	5
EAST	627+00.91	632+55.00	14
EAST	627+00.91	628+04.75	3
EAST	620+41.01	626+51.60	15
EAST	620+41.01	626+51.60	15
EAST	618.86.23	619+24.00	1
EAST	618+59.36	619+53.46	2
EAST	614+93.67	618+26.75	2
EAST	618+73.10	619+53.44	2
EAST	620+41.01	623+11.00	7
EAST	602+85.33	606+48.16	9
EAST	603+85.33	607+02.48	8
EAST	607+02.48	618+20.18	28
EAST	607+02.61	618+39.92	29
47TH	91+90.00	94+65.00	14
47TH	95+12.10	98+05.21	15
47TH	98+58.95	99+55.00	5
47TH	100+47.00	106+35.40	29
47TH	107+02.25	109+68.07	13
47TH	110+34.71	113+02.30	13
47TH	113+69.88	119+70.37	30
47TH	120+37.37	126+25.00	29
47TH	128+80.00	130+80.00	10
EAST	611+00.00	618+33.39	36
EAST	618+79.67	619+53.43	4
EAST	620+41.01	626+51.60	32
EAST	627+00.91	632+55.00	28
		TOTAL	572

MODEL: Default
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	45
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PROPOSED SIDEWALK

STATION	STATION	OFFSET	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
			SQ YD	SQ FT
47TH ST				
91+00.00	97+00.00	LT	137	1,234
97+00.00	103+00.00	LT	222	2,000
103+00.00	109+00.00	LT	136	1,225
109+00.00	115+00.00	LT	113	1,015
115+00.00	121+00.00	LT	32	291
EAST AVE				
616+00.00	622+00.00	LT	43	386
622+00.00	628+00.00	LT	319	2,868
TOTAL			**996**	**8,971**

NOTE: 31101200 IS A SUB-TOTAL. THIS PAY ITEM IS USED ELSEWHERE.

DETECTABLE WARNING

STATION	OFFSET	X4240800 QUANTITY
		SF
47TH ST		
95+25.00	LT	19
97+65.00	LT	14
98+68.00	LT	14
99+62.00	LT	12
100+33.00	LT	14
103+18.00	LT	11
103+55.00	LT	12
106+47.00	LT	15
106+93.00	LT	10
109+80.00	LT	15
112+25.00	LT	10
113+15.00	LT	15
113+58.00	LT	14
119+78.13	LT	10
TOTAL		**185**

PROPOSED DRIVEWAYS

STATION	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"	42300400 PORTLAND CEMENT CONCRETE DRIVEWAY, 8 INCH
	SQ YD	SQ YD
47TH ST		
107+46.00	23.3	23.3
108+78.80	23.3	23.3
111+06.76	78.5	78.5
114+70.80	30.6	30.6
122+70.33	23.9	23.9
127+73.77	52.9	52.9
131+17.28	122.5	122.5
617+14.00	74.7	74.7
618+90.00	67.5	67.5
621+50.00	47.2	47.2
621+95.00	29.0	29.0
623+15.70	37.9	37.9
TOTAL	**612**	**612**

NOTE: 31101200 IS A SUB-TOTAL. THIS PAY ITEM IS USED ELSEWHERE.

CURB AND GUTTER

STATION	STATION	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	60608562 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
		FOOT	FOOT
47TH ST			
91+00.00	97+00.00	220.0	- - -
97+00.00	103+00.00	744.0	65
103+00.00	109+00.00	872.0	- - -
109+00.00	115+00.00	922.0	- - -
115+00.00	121+00.00	706.0	- - -
121+00.00	127+00.00	601.0	- - -
127+00.00	133+00.00	478.0	- - -
15% Engineer's Discretion		682.0	- - -
EAST AVE			
610+00.00	616+00.00	347.0	- - -
616+00.00	622+00.00	328.0	29
622+00.00	628+00.00	536.0	- - -
BLUFF AVE			
10+00.00	13+60.32	363.0	- - -
TOTAL		**6,799**	**94**

FENCING

STATION	STATION	OFFSET	50901720 BICYCLE RAILING	X6640304 CHAIN LINKED FENCE TO BE REMOVED AND RE-ERECTED
			FOOT	FOOT
47TH ST				
98+80.79	99+65.54	LT	105	- - -
96+64.57	97+00.00	LT	- - -	36.8
97+00.00	97+48.52	LT	- - -	48.6
102+61.23	103+00.00	RT	- - -	38.8
103+00.00	107+80.00	RT	- - -	480.0
107+80.00	107+80.00	RT	- - -	1.5
107+80.00	109+00.00	RT	- - -	120.0
109+00.00	110+57.00	RT	- - -	157.9
111+59.00	115+00.00	RT	- - -	336.3
115+00.00	121+00.00	RT	- - -	600.0
121+00.00	122+49.68	RT	- - -	149.7
122+93.92	126+80.17	RT	- - -	386.3
128+49.66	130+81.80	RT	- - -	232.1
131+35.97	131+47.00	RT		14.8
		TOTAL	**105**	**2,603**

PAVEMENT SCHEDULE

LOCATION	30300112 AGGREGATE SUBGRADE IMPROVEMENT	35501326 HOT-MIX ASPHALT BASE COURSE, 10 1/2"	35600718 HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	40600290 BITUMINOUS MATERIALS (TACK COAT)	40603200 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	40605026 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80
	SQ YD	SQ YD	SQ YD	POUND	TON	TON
PRF-01	165	0	100	1,400	120	136
PRF-02	1,900	1,359	253	1,914	171	279
PRF-03	1,964	1,560	143	1,461	136	232
PRF-04	1,938	1,467	207	1,384	129	223
PRF-05	1,716	1,467	47	1,346	126	210
PRF-06	1,908	1,735	0	1,571	147	244
PRF-07	1,602	1,434	24	1,239	102	196
PRF-08	349	60	134	1,248	106	131
PRF-09	1,048	974	1,027	760	63	116
PRF-10	819	0	247	615	53	71
PRF-11	311	9	138	446	42	52
25%	3,430	- - -	- - -	- - -	- - -	- - -
TOTAL	17,150	11,456	1,292	13,384	1,195	1,891

NOTE: A 25% CONTINGENCY IS ADDED TO 30300112 FOR ANY UNFORESEEN UNSUITABLE MATERIAL

SCH-06

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

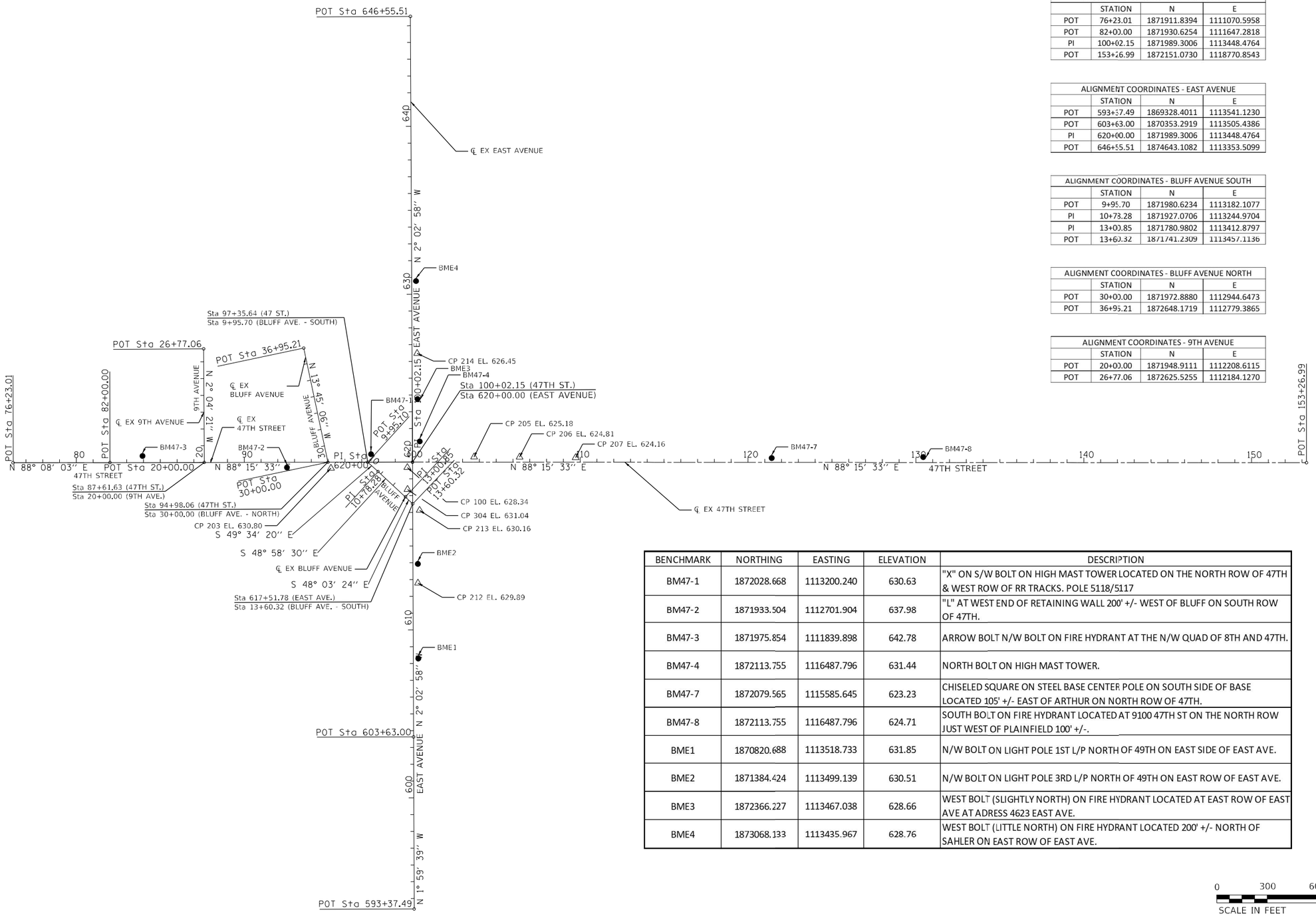
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 1200.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	46
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



ALIGNMENT COORDINATES - 47TH STREET			
	STATION	N	E
POT	76+23.01	1871911.8394	1111070.5958
POT	82+00.00	1871930.6254	1111647.2818
PI	100+02.15	1871989.3006	1113448.4764
POT	153+26.99	1872151.0730	1118770.8543

ALIGNMENT COORDINATES - EAST AVENUE			
	STATION	N	E
POT	593+37.49	1869328.4011	1113541.1230
POT	603+63.00	1870353.2919	1113505.4386
PI	620+00.00	1871989.3006	1113448.4764
POT	646+55.51	1874643.1082	1113353.5099

ALIGNMENT COORDINATES - BLUFF AVENUE SOUTH			
	STATION	N	E
POT	9+95.70	1871980.6234	1113182.1077
PI	10+78.28	1871927.0706	1113244.9704
PI	13+00.85	1871780.9802	1113412.8797
POT	13+60.32	1871741.2309	1113457.1136

ALIGNMENT COORDINATES - BLUFF AVENUE NORTH			
	STATION	N	E
POT	30+00.00	1871972.8880	1112944.6473
POT	36+95.21	1872648.1719	1112779.3865

ALIGNMENT COORDINATES - 9TH AVENUE			
	STATION	N	E
POT	20+00.00	1871948.9111	1112208.6115
POT	26+77.06	1872625.5255	1112184.1270

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM47-1	1872028.668	1113200.240	630.63	"X" ON S/W BOLT ON HIGH MAST TOWER LOCATED ON THE NORTH ROW OF 47TH & WEST ROW OF RR TRACKS. POLE 5118/5117
BM47-2	1871933.504	1112701.904	637.98	"L" AT WEST END OF RETAINING WALL 200' +/- WEST OF BLUFF ON SOUTH ROW OF 47TH.
BM47-3	1871975.854	1111839.898	642.78	ARROW BOLT N/W BOLT ON FIRE HYDRANT AT THE N/W QUAD OF 8TH AND 47TH.
BM47-4	1872113.755	1116487.796	631.44	NORTH BOLT ON HIGH MAST TOWER.
BM47-7	1872079.565	1115585.645	623.23	CHISELED SQUARE ON STEEL BASE CENTER POLE ON SOUTH SIDE OF BASE LOCATED 105' +/- EAST OF ARTHUR ON NORTH ROW OF 47TH.
BM47-8	1872113.755	1116487.796	624.71	SOUTH BOLT ON FIRE HYDRANT LOCATED AT 9100 47TH ST ON THE NORTH ROW JUST WEST OF PLAINFIELD 100' +/-.
BME1	1870820.688	1113518.733	631.85	N/W BOLT ON LIGHT POLE 1ST L/P NORTH OF 49TH ON EAST SIDE OF EAST AVE.
BME2	1871384.424	1113499.139	630.51	N/W BOLT ON LIGHT POLE 3RD L/P NORTH OF 49TH ON EAST ROW OF EAST AVE.
BME3	1872366.227	1113467.038	628.66	WEST BOLT (SLIGHTLY NORTH) ON FIRE HYDRANT LOCATED AT EAST ROW OF EAST AVE AT ADRESS 4623 EAST AVE.
BME4	1873068.133	1113435.967	628.76	WEST BOLT (LITTLE NORTH) ON FIRE HYDRANT LOCATED 200' +/- NORTH OF SAHLER ON EAST ROW OF EAST AVE.

0 300 600 900
SCALE IN FEET

ATB-01

MODEL: D162F11-sht-alignP-001
FILE NAME: X:\D113-0224-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-ATB-001.dgn

RS&H

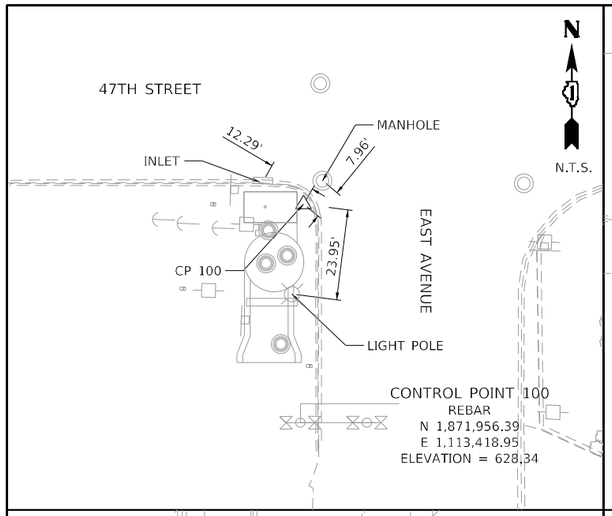
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - NWS	REVISED -
PLOT SCALE = 600.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 2/8/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ALIGNMENT, TIES, & BENCHMARKS

SCALE: 1" = 300' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	47
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



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E 1,113,418.95
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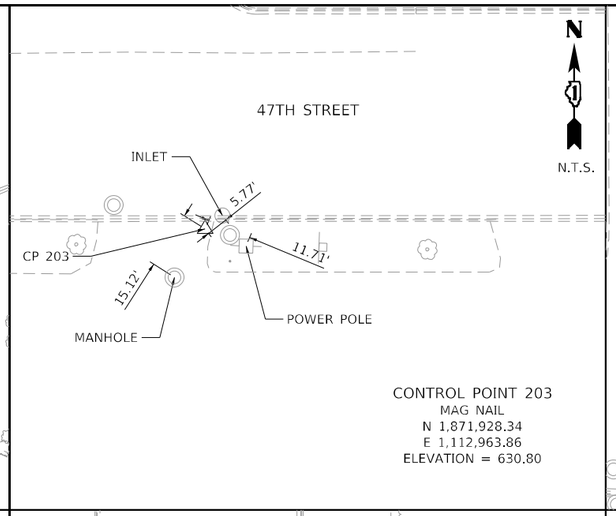

CONTROL POINT 203
MAG NAIL
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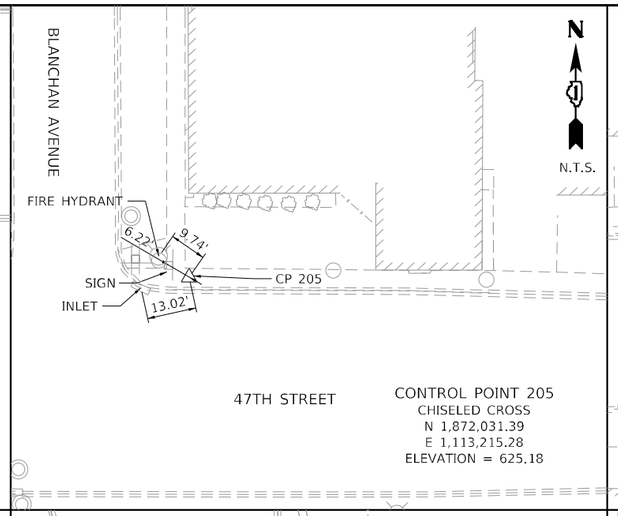
E 1,112,963.86
ELEVATION = 630.80



47TH STREET

CONTROL POINT 205
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E 1,113,215.28
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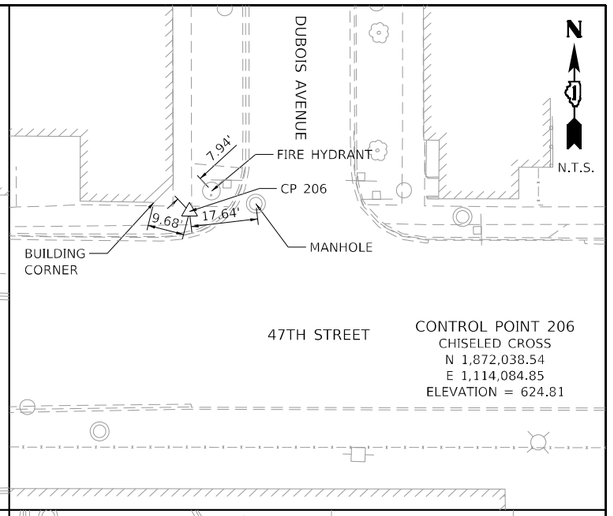

47TH STREET

CONTROL POINT 206
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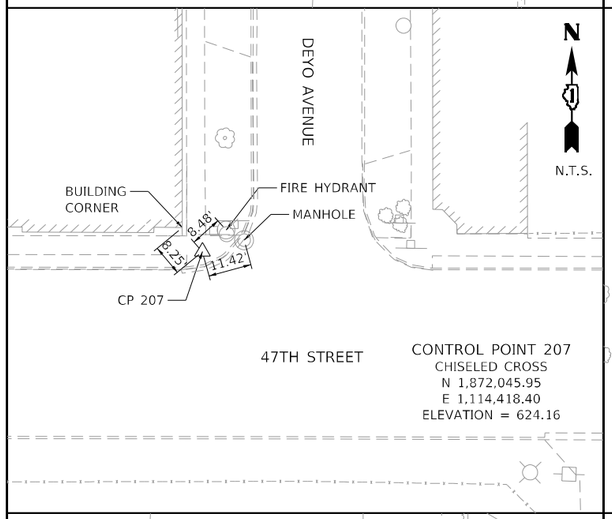

47TH STREET

CONTROL POINT 207
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E 1,114,418.40
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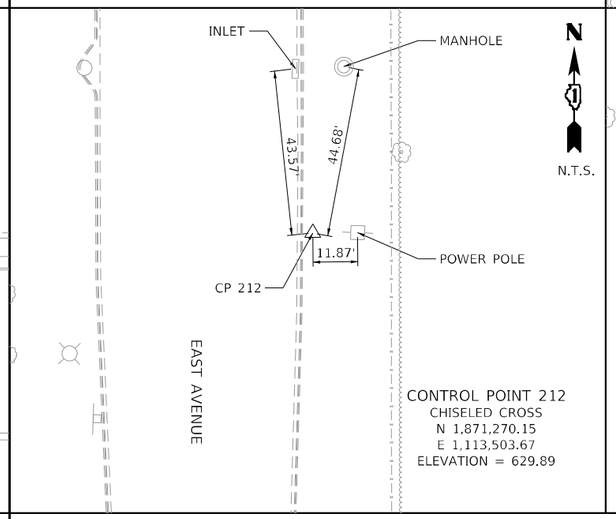

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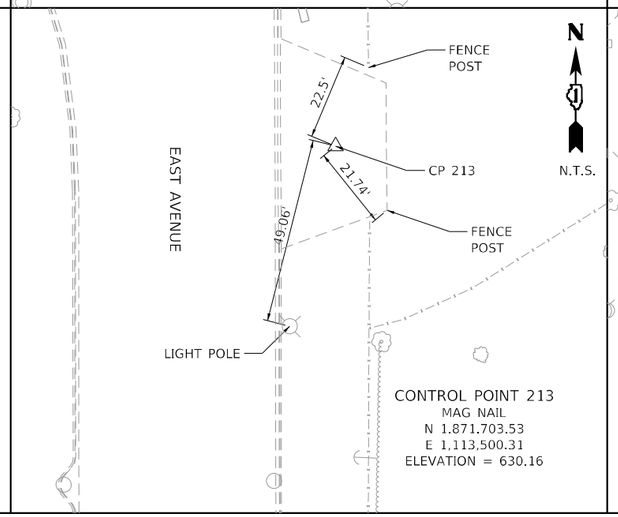

CONTROL POINT 213
MAG NAIL
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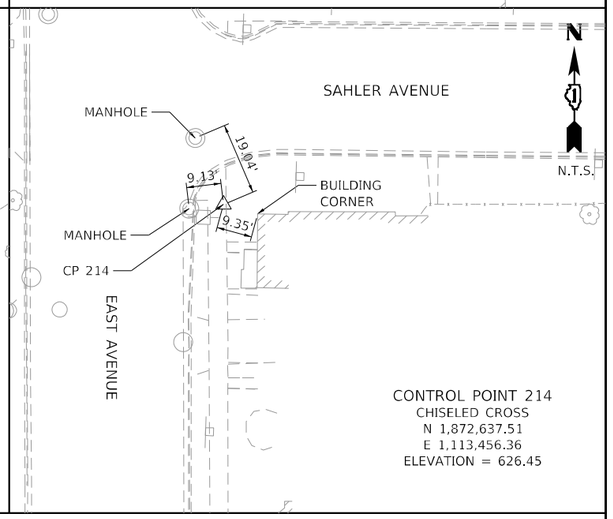
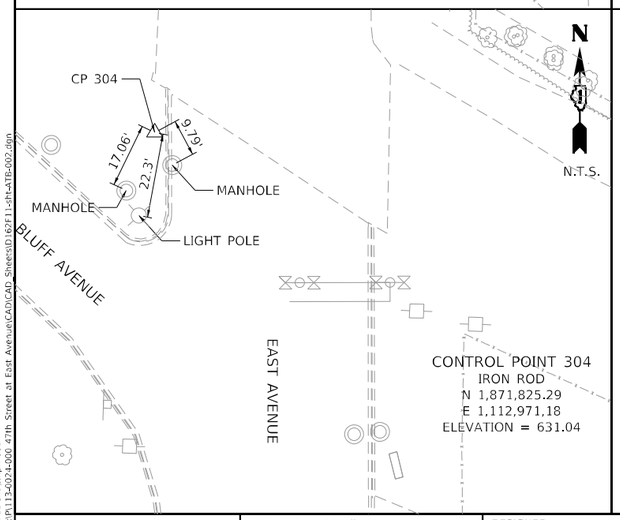
E 1,113,500.31
ELEVATION = 630.16



CONTROL POINT 214
CHISELED CROSS
N 1,872,637.51
E 1,113,456.36
ELEVATION = 626.45



CONTROL POINT 304
IRON ROD
N 1,871,825.29
E 1,112,971.18
ELEVATION = 631.04

HORIZONTAL DATUM: ILLINOIS STATE PLANE EAST ZONE (1201), NAVD 88

ATB–02

USER NAME = SchaefN	DESIGNED - NWS	REVISED -	
	DRAWN - NWS	REVISED -	
PLOT SCALE = 40.0002 ' / in.	CHECKED - ALM	REVISED -	
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -	

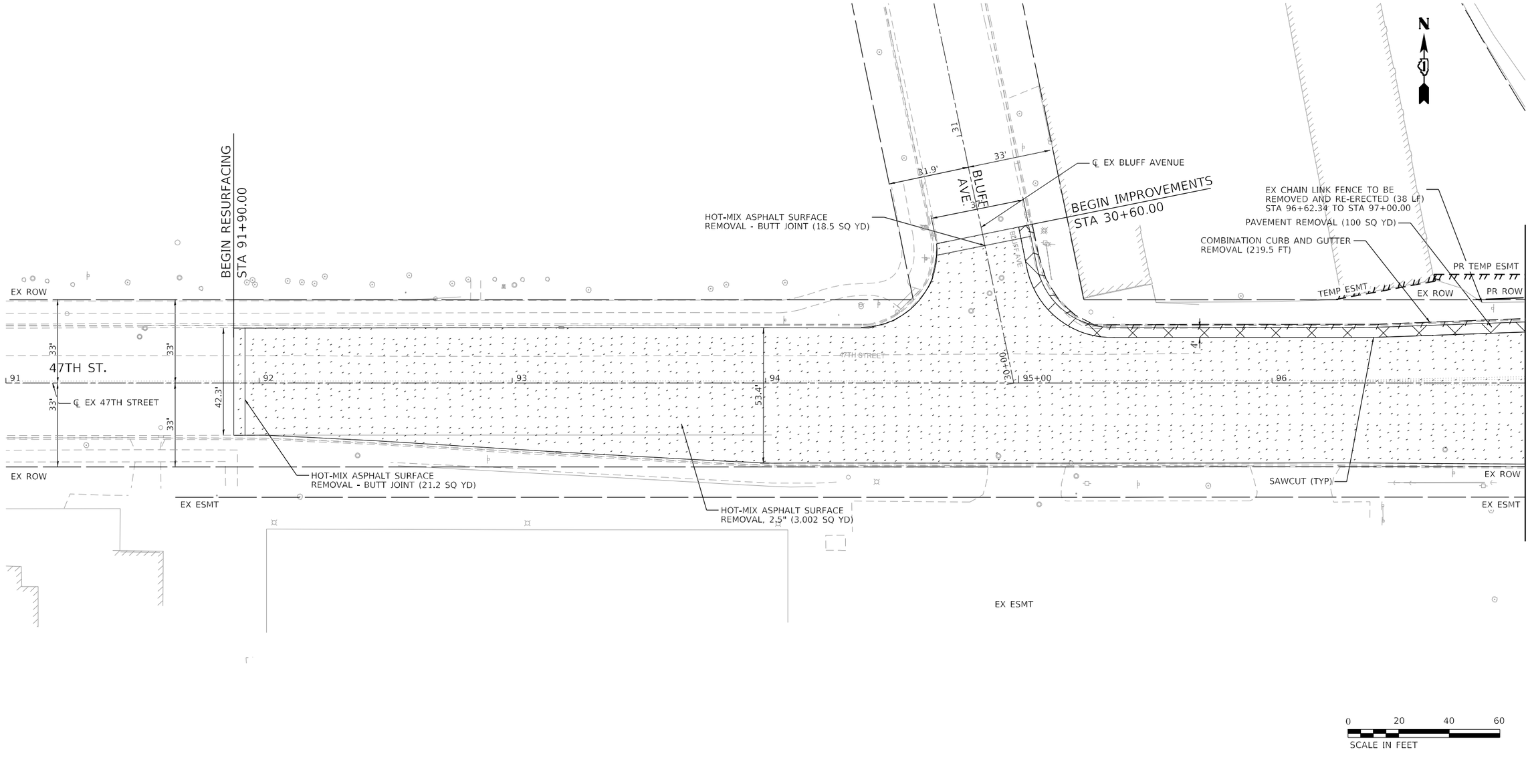
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ALIGNMENT, TIES, & BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	48
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dwprf-001
FILE NAME: X:\PL\113-20324-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-ATB-002.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM-01

RS&H

USER NAME = SchaefTN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

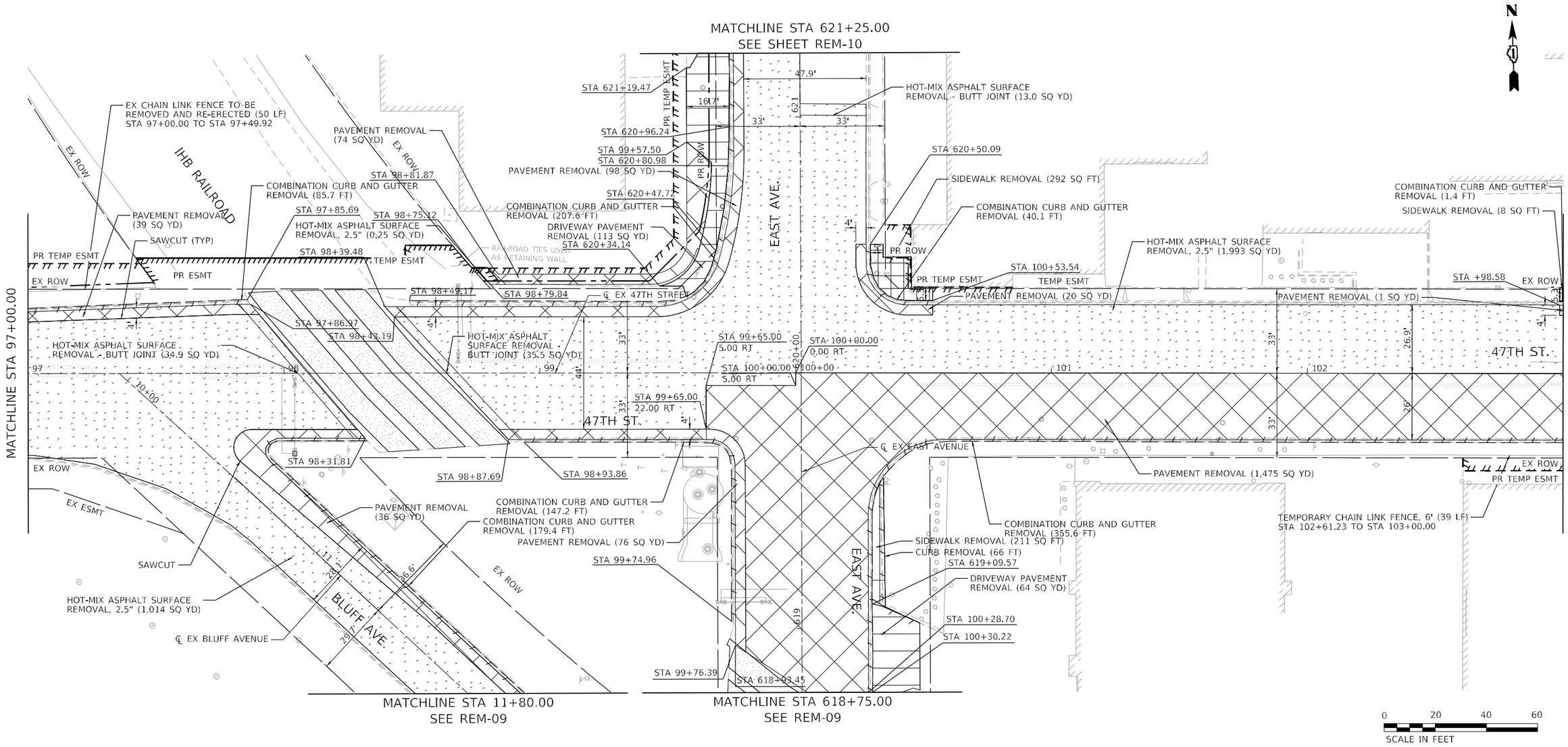
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 1 OF 11 SHEETS | STA. 91+00.00 TO STA. 97+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	49
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dnprf-003
FILE NAME: X:\PW\13-2024-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-removal-003.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE (AT DIRECTION OF THE ENGINEER)

REM-02

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

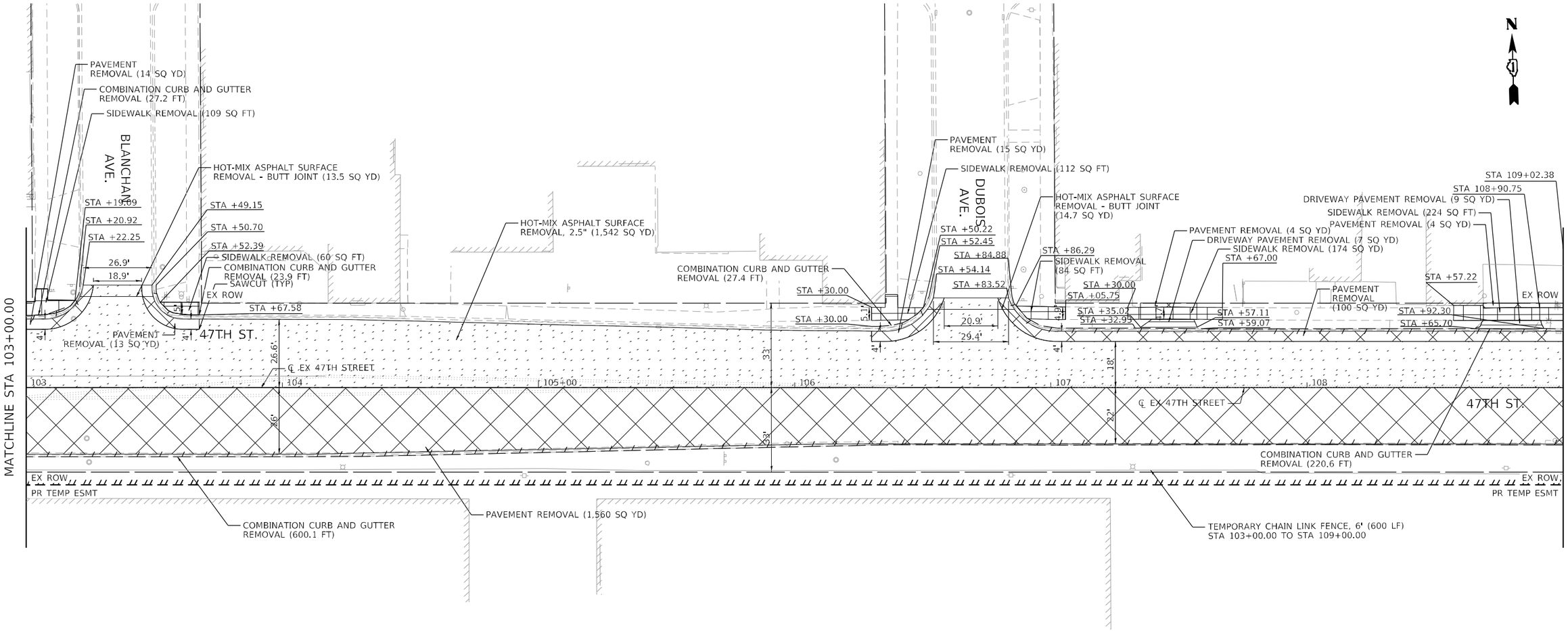
SCALE: 1" = 20' | SHEET 2 OF 11 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	50

CONTRACT NO. 62F11

ILLINOIS | FED. AID PROJECT

MODEL: D162F11-sht-alnprf-004
FILE NAME: X:\D113-0024-000 47th Street at East Avenue\CADD\CAD Sheets\D162F11-sht-removal-004.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM–03

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 3 OF 11 SHEETS | STA. 103+00.00 TO STA. 109+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	51
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dnpf-005
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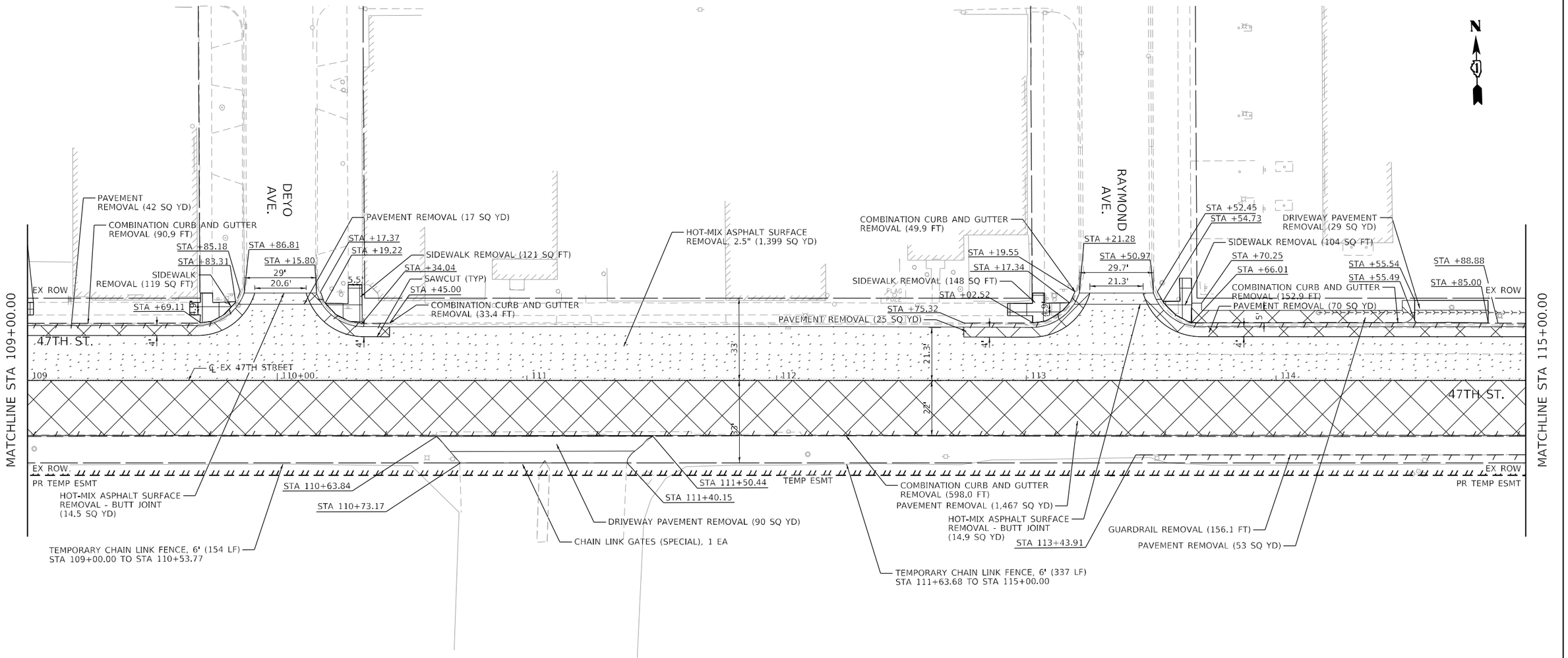


LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM-04

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

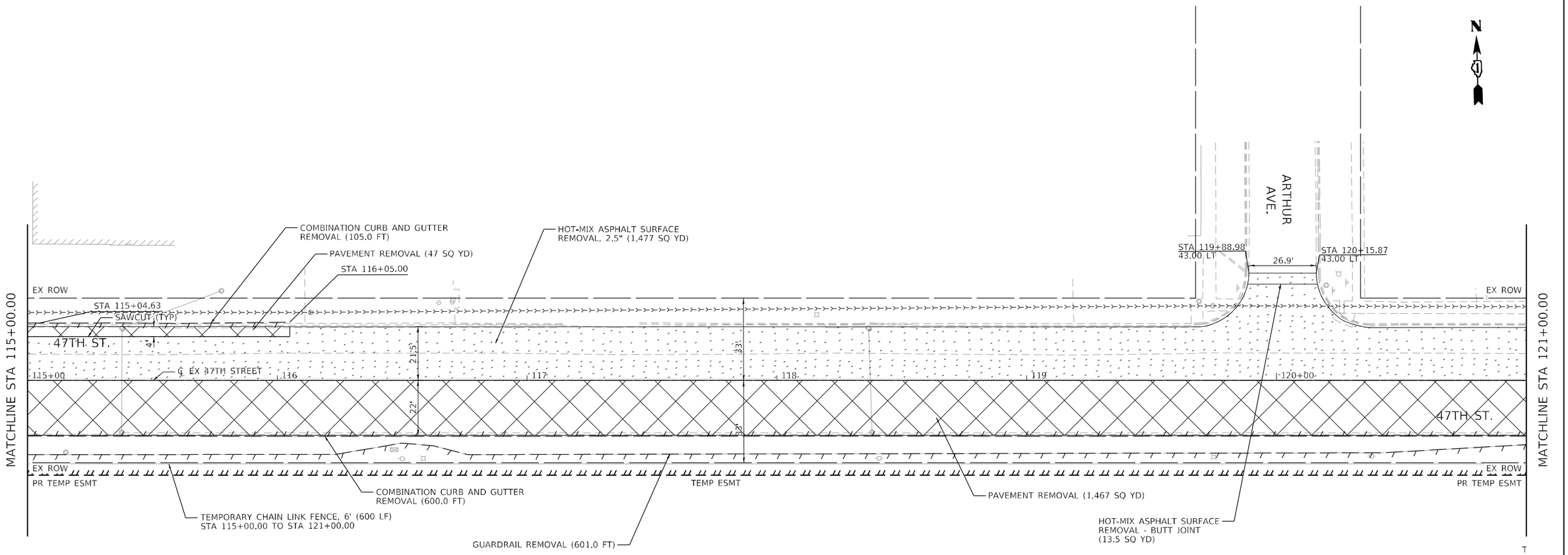
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 4 OF 11 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	52
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-shnprf-006
FILE NAME: X:\PL\13-2024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-removal-006.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE (AT DIRECTION OF THE ENGINEER)

REM–05

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 5 OF 11 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	53

CONTRACT NO. 62F11

ILLINOIS | FED. AID PROJECT

MODEL: D162F11-sht-sht-dnprf-007
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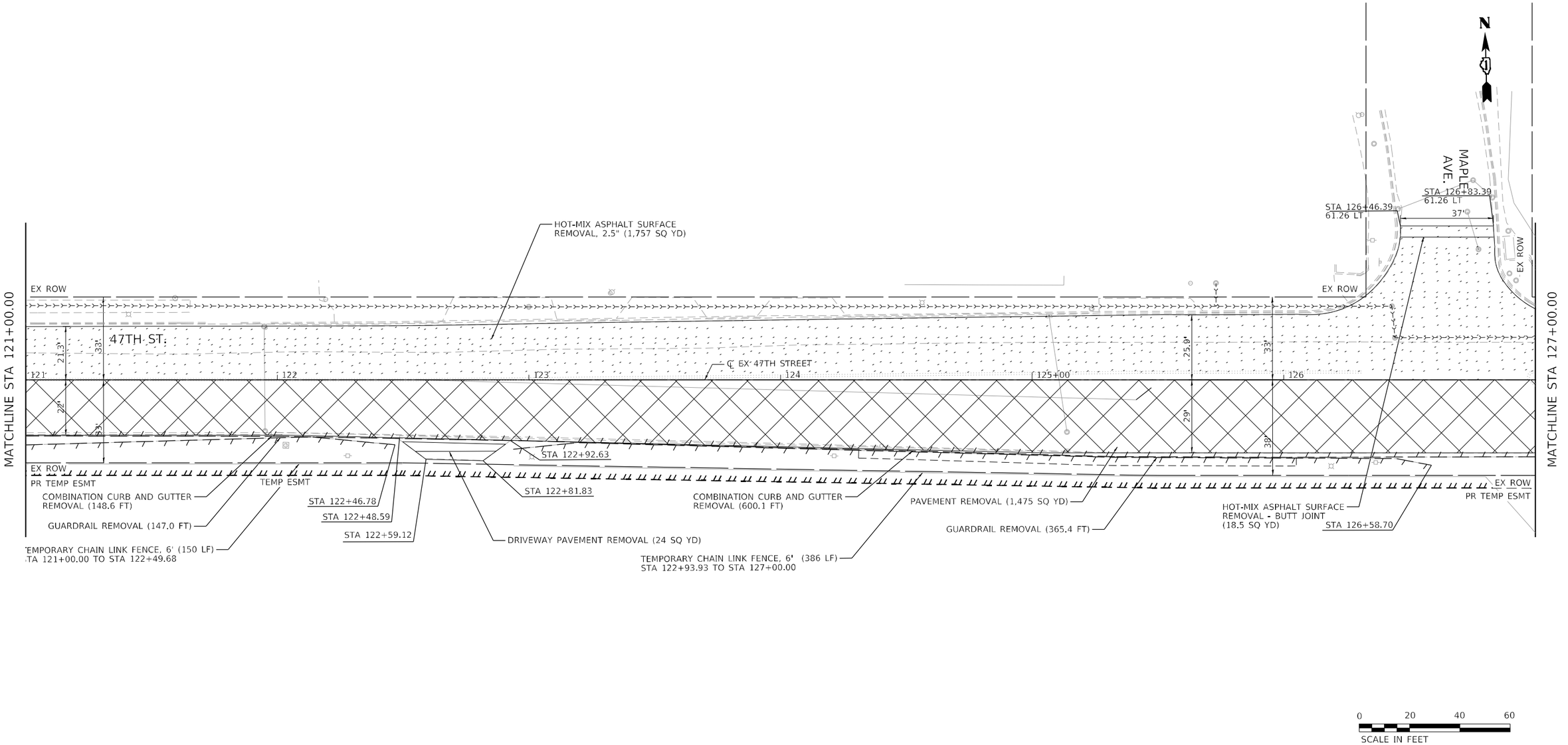


LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE (AT DIRECTION OF THE ENGINEER)

REM-06

USER NAME = SchaefN	DESIGNED - NWS	REVISED -	
	DRAWN - DVP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

RS&H

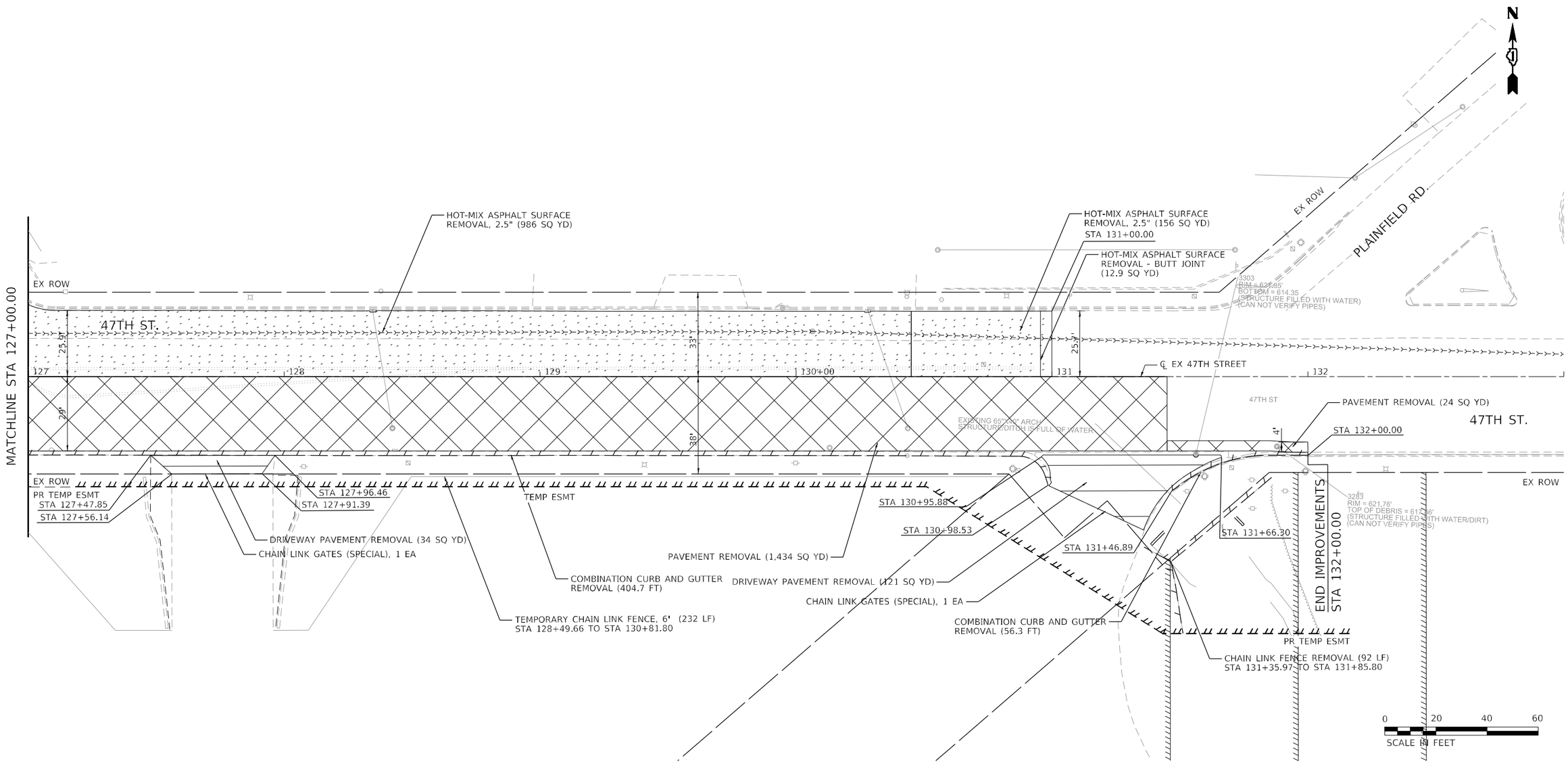
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 6 OF 11 SHEETS | STA. 121+00.00 TO STA. 127+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	54
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shnpf-608
FILE NAME: X:\PW\113-0024-000 47th Street at East Avenue\CADCAD\Sheets\D162F11-sht-removal-608.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM–07

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 7 OF 11 SHEETS | STA. 127+00.00 TO STA. 132+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	55
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-dnurf-009
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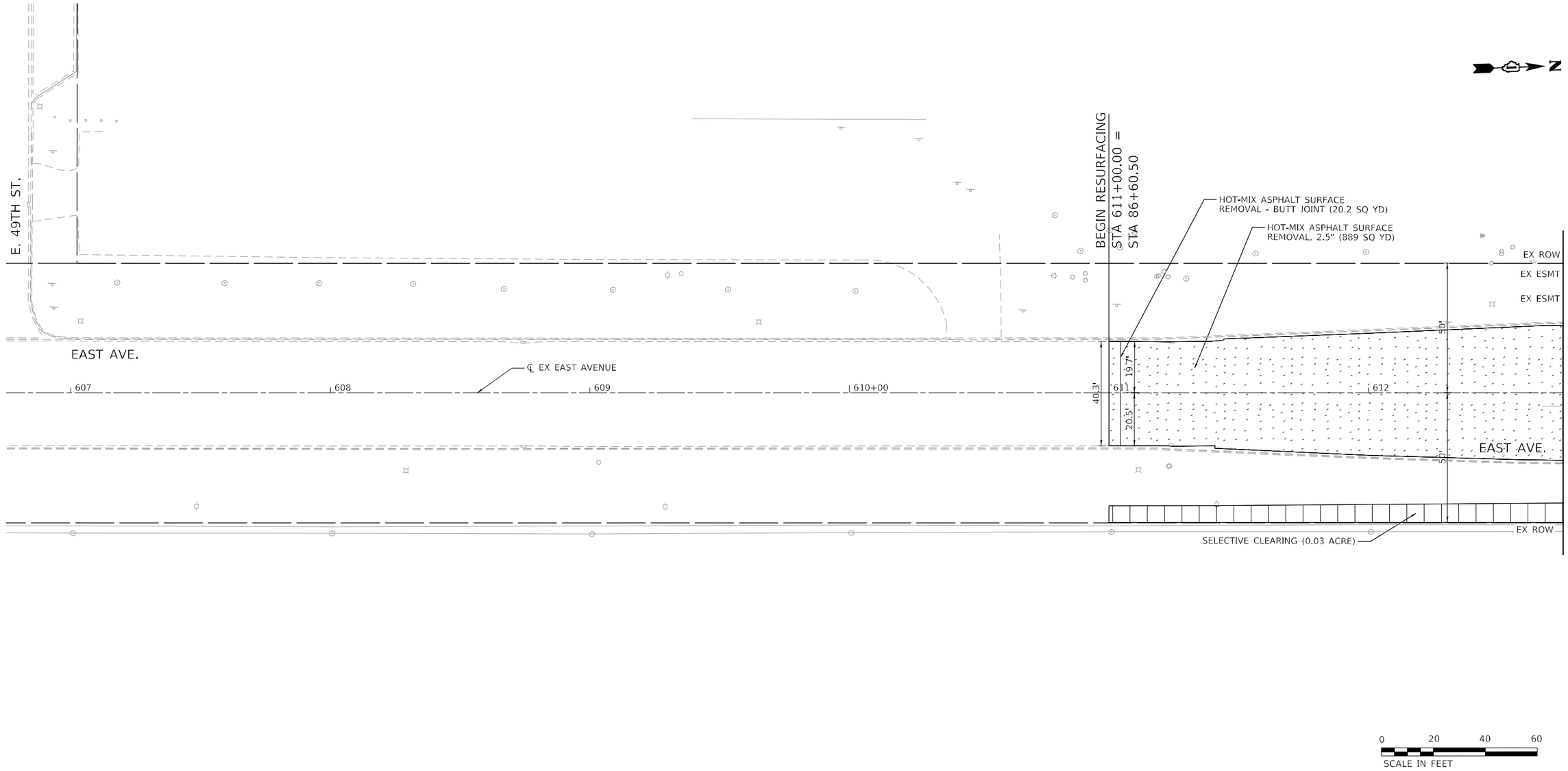

LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM–08

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 8 OF 11 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	56
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dhpf-0026
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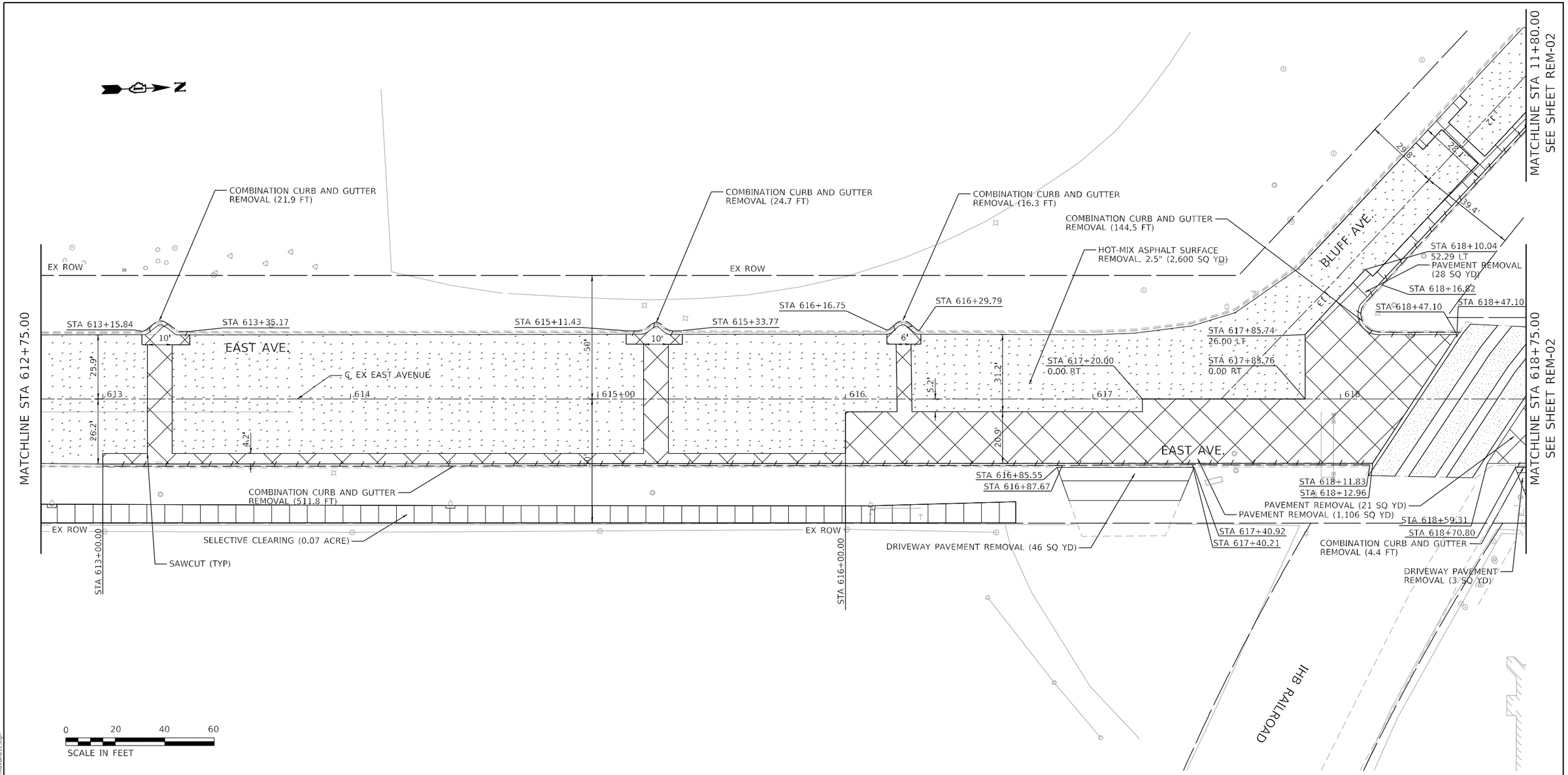

LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM–09

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 9 OF 11 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	57
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-plnprf-0026
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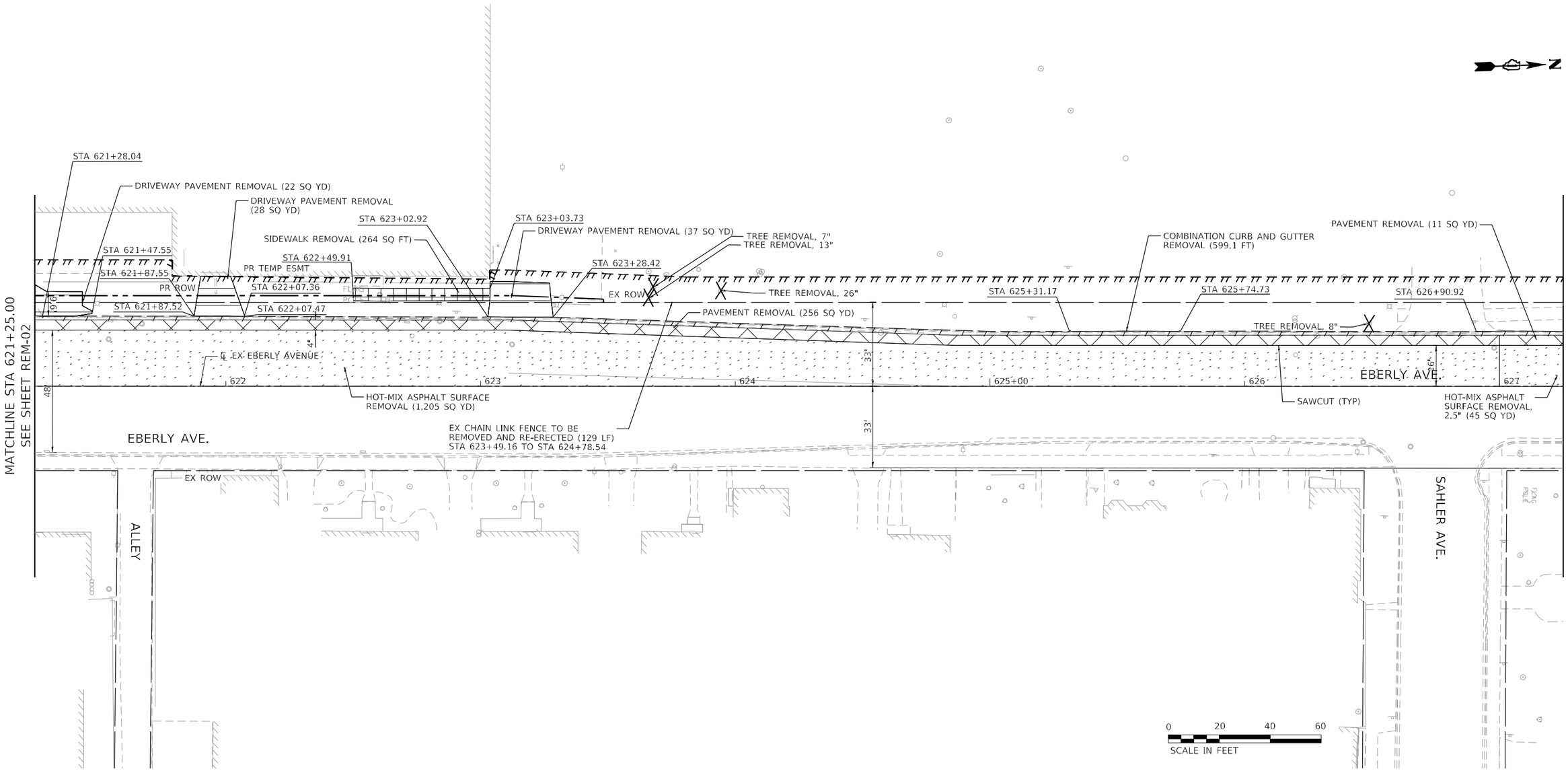


LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM-10

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

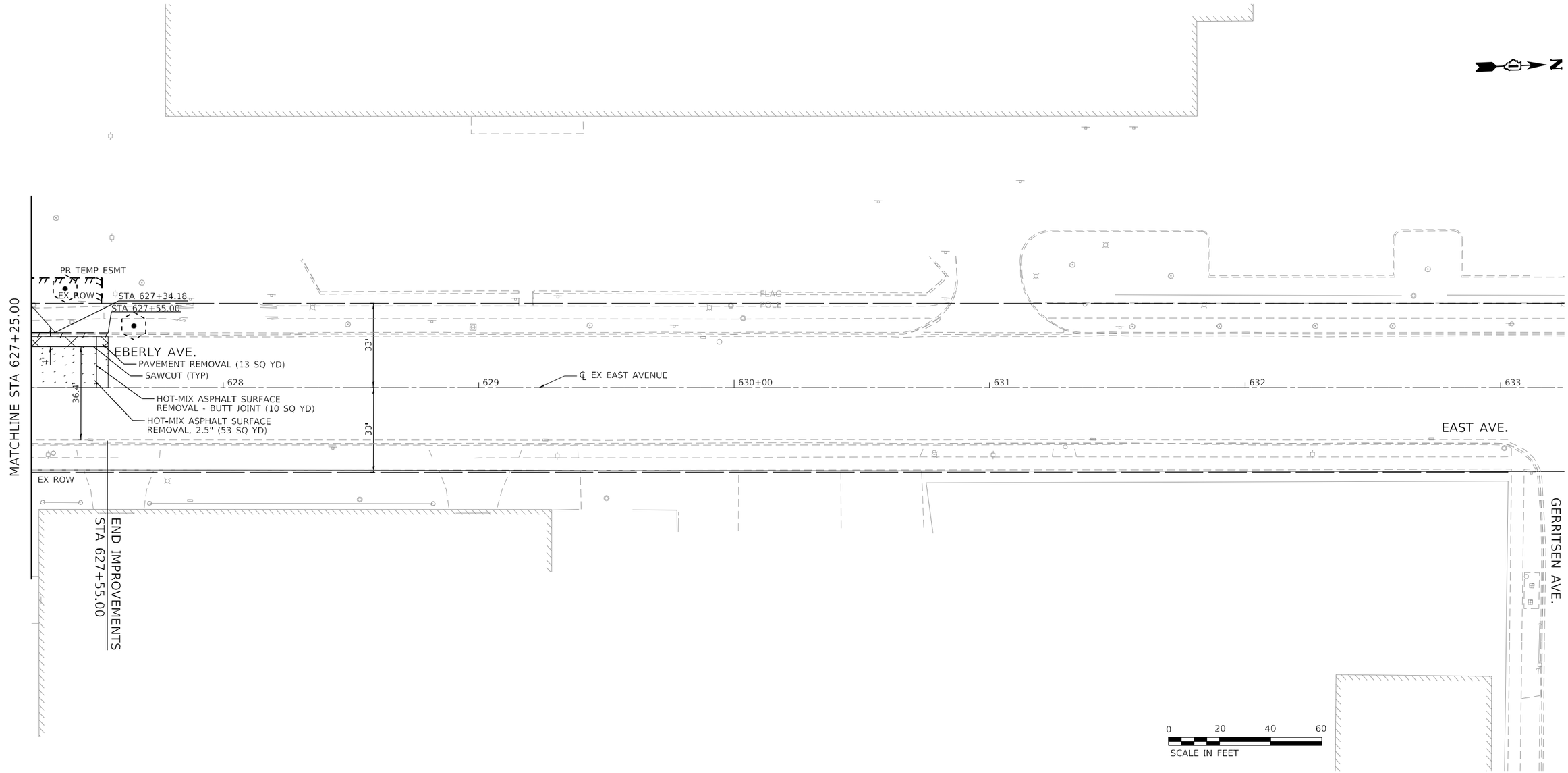
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

SCALE: 1" = 20' | SHEET 10 OF 11 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	58
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dnprf-0027
FILE NAME: X:\Dt\13-2024-006 47th Street at East Avenue\CAD\CAD Sheets\D162F11-dh-removal013.dgn



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

SIDEWALK REMOVAL

SELECTIVE CLEARING

LINEAR REMOVAL

PAVEMENT REMOVAL

DRIVEWAY PAVEMENT REMOVAL

TREE REMOVAL (SIZE SPECIFIED)

TREE CARE
(AT DIRECTION OF THE ENGINEER)

REM-11

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL PLANS

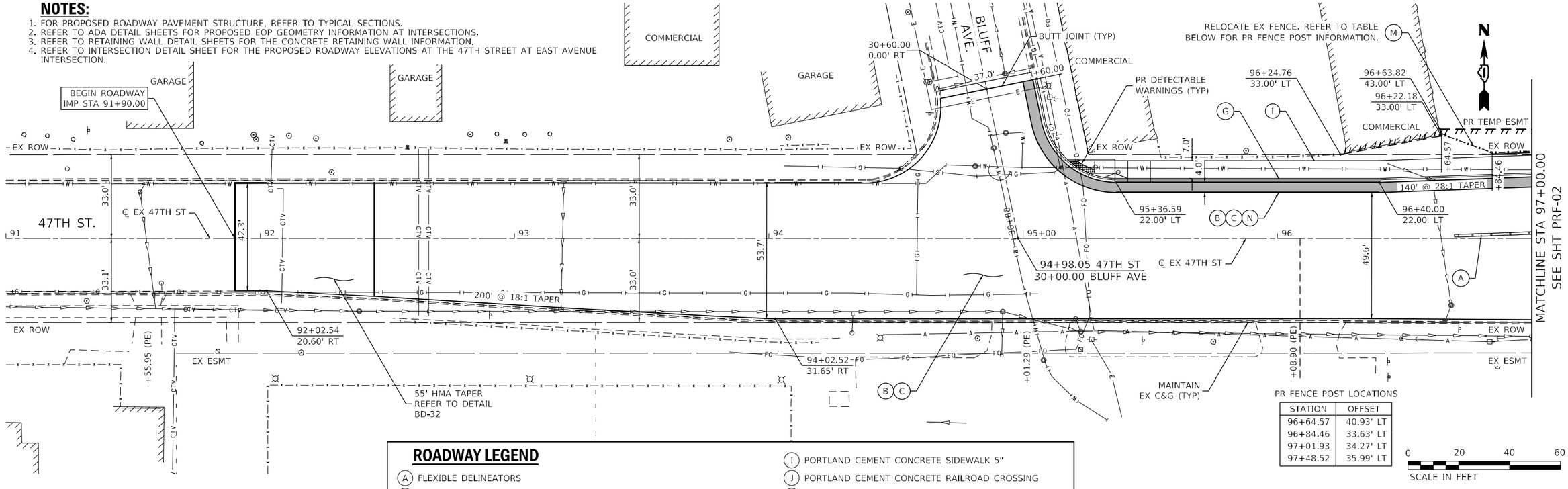
SCALE: 1" = 20' | SHEET 11 OF 11 SHEETS | STA. 627+25.00 TO STA. 633+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	59
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-shnpf-0027
FILE NAME: X:\PI\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-removal014.dgn

NOTES:

1. FOR PROPOSED ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.



PR FENCE POST LOCATIONS

STATION	OFFSET
96+64.57	40.93' LT
96+84.46	33.63' LT
97+01.93	34.27' LT
97+48.52	35.99' LT

0 20 40 60
SCALE IN FEET

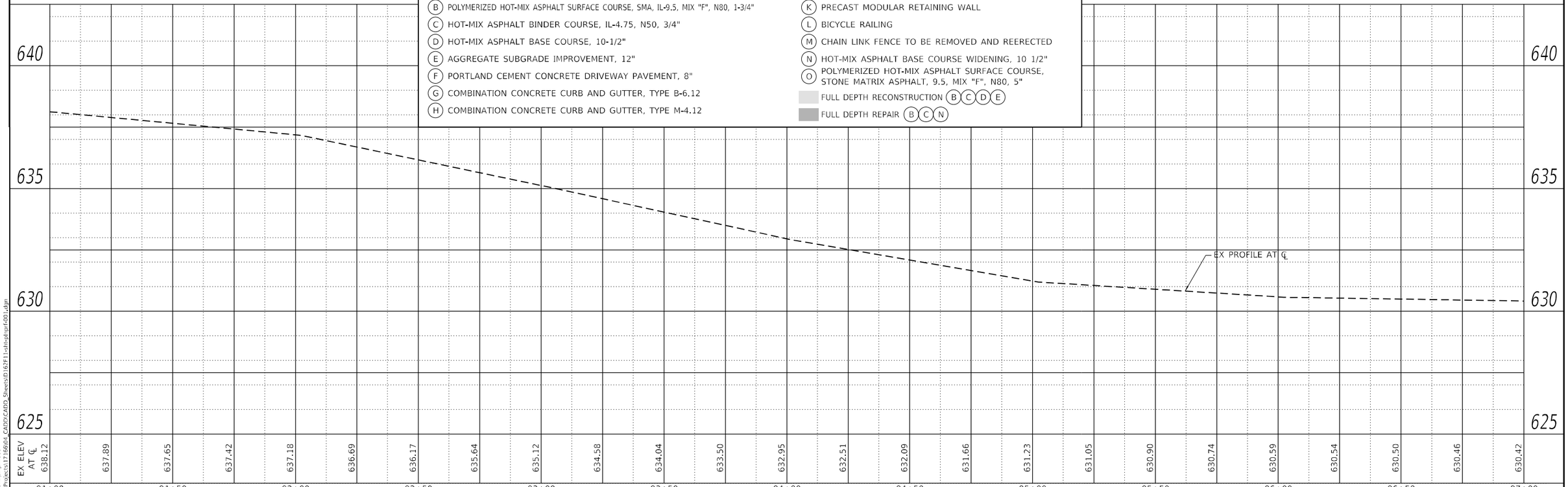
ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)
FULL DEPTH REPAIR (B)(C)(N)

PLAN: SURVEYED / PLOTTED / DRAWN / CHECKED / QUANTITIES CHECKED / R.O.W. STAKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / CADD FILE NAME / BY / DATE

PROFILE: SURVEYED / PLOTTED / DRAWN / CHECKED / QUANTITIES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / BY / DATE



USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 11 SHEETS | STA. 91+00 TO STA. 97+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	60
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF-01

MODEL: D162F11-alt-plnprf003
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D162F11-alt-sqlprf001.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH ST AT EAST AVE INTERSECTION.

MATCHLINE STA 97+00.00
SEE SHT PRF-01

MATCHLINE STA 103+00.00
SEE SHT PRF-03

RELOCATE EX FENCE. REFER TO TABLE BELOW FOR PR FENCE POST INFORMATION.

FIRE HYDRANT TO BE MOVED

PLACE HMA AS SHOWN FROM END OF PCC SIDEWALK TO RUBBER CROSSING PANELS AND BETWEEN RUBBER CROSSING

COMMERCIAL

99+57.50
90.21' LT

98+83.96
38.58' LT

620+86.18
26.00' LT

620+44.18
32.00' LT

DETECTABLE WARNINGS (TYP)

EX SIDEWALK TO BE MAINTAINED

PR TEMP ESMT

EX ROW

140' @ 28:1 TAPER

97+80.00
27.00' LT

100+02.15 47TH ST.
620+00.00 EAST AVE

℄ EX 47TH ST

47TH ST.

EAST AVE.

100+58.33
26.00' RT

619+43.75
26.00' RT

619+64.08
26.00' LT

98+32.22
26.00' RT

IHB RAILROAD

BLUFF AVE. SOUTH

EX ESMT

(3 LINES)

EX FENCE TO REMAIN

MWRD 13A DEEP TUNNEL (13'-10" DIA.)

PR FENCE POST LOCATIONS

STATION	OFFSET
96+64.57	40.93' LT
96+84.46	33.63' LT
97+01.93	34.27' LT
97+48.52	35.99' LT

ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)

SCALE IN FEET 0 20 40 60

EX PROFILE AT ℄

PR RIGHT CURB LINE PROFILE

626.61

+00.00 EL. 625.72

-1.78%

-1.20%

+50.00 EL. 625.12

-3.25%

+66.00 EL. 624.60

+0.35%

+00.00 EL. 624.72

+0.34%

+50.00 EL. 624.89

+0.34%

+00.00 EL. 625.06

EX ELEV AT ℄	630.42	630.40	630.57	630.78	630.98	631.01	630.75	630.27	629.77	629.27	628.76	628.25	627.67	627.09	626.73	626.36	626.00	625.77	625.60	625.51	625.41	625.42	625.42	625.42
	97+00		97+50		98+00		98+50		99+00		99+50		100+00		100+50		101+00		101+50		102+00		102+50	103+00

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET ROADWAY PLAN AND PROFILE
		DRAWN - TS	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=20' SHEET 2 OF 11 SHEETS STA. 97+00 TO STA. 103+00
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	61
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF–02

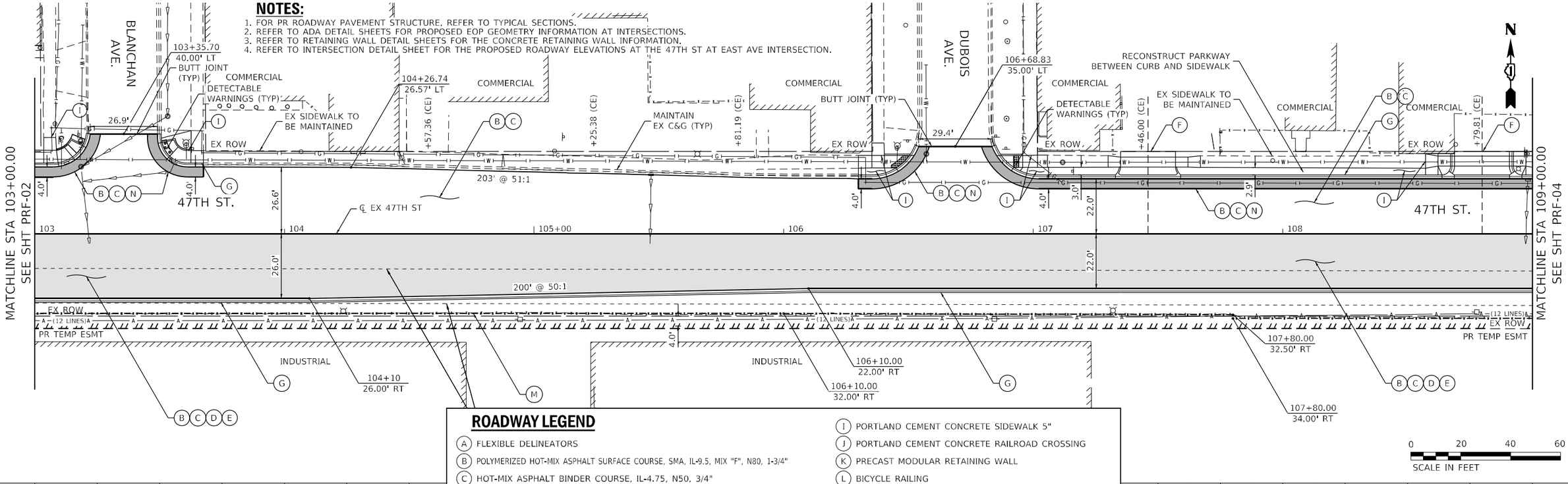
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, BM. NOTED, STRUCTURE NOTATIONS CHKD, BY, DATE

MODEL: D162F11-alt-sht-sht-plan
FILE NAME: \\fs01\Projects\17166\d_CADD\CADD Sheets\D162F11-alt-sht-sgl-tpf-002.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH ST AT EAST AVE INTERSECTION.

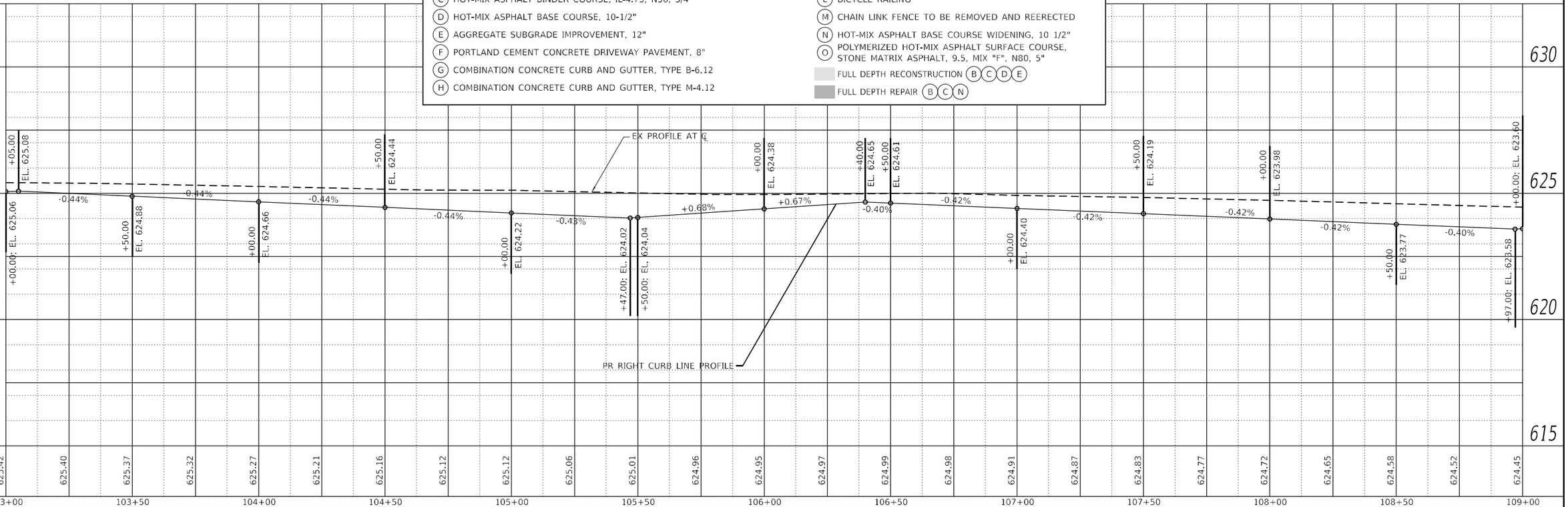


ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)



USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 3 OF 11 SHEETS | STA. 103+00 TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	62
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PRF–03

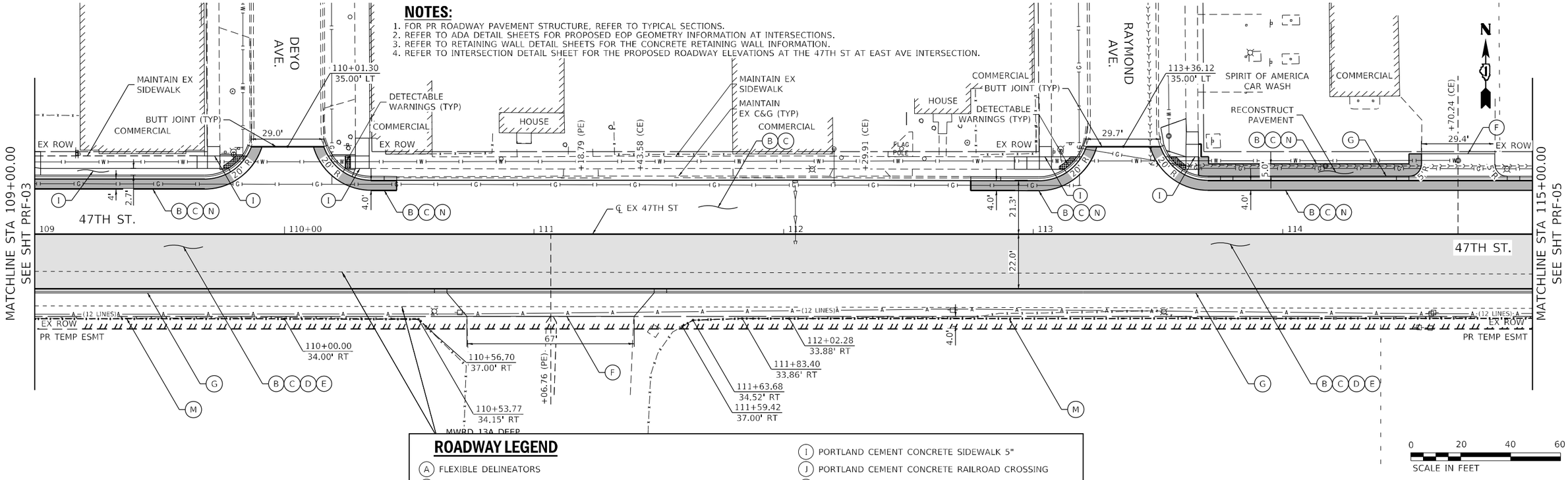
PLAN: SURVEYED, PLOTTED, (GRADE CHECKED), ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME, NOTE BOOK NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, (GRADE CHECKED), H.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK NO., BY, DATE

MODEL: D162F11-sht-pltprf-005
FILE NAME: \\fs01\Projects\1716604-CADD\CADD_Sheets\D162F11-sht-pltprf-003.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH ST AT EAST AVE INTERSECTION.

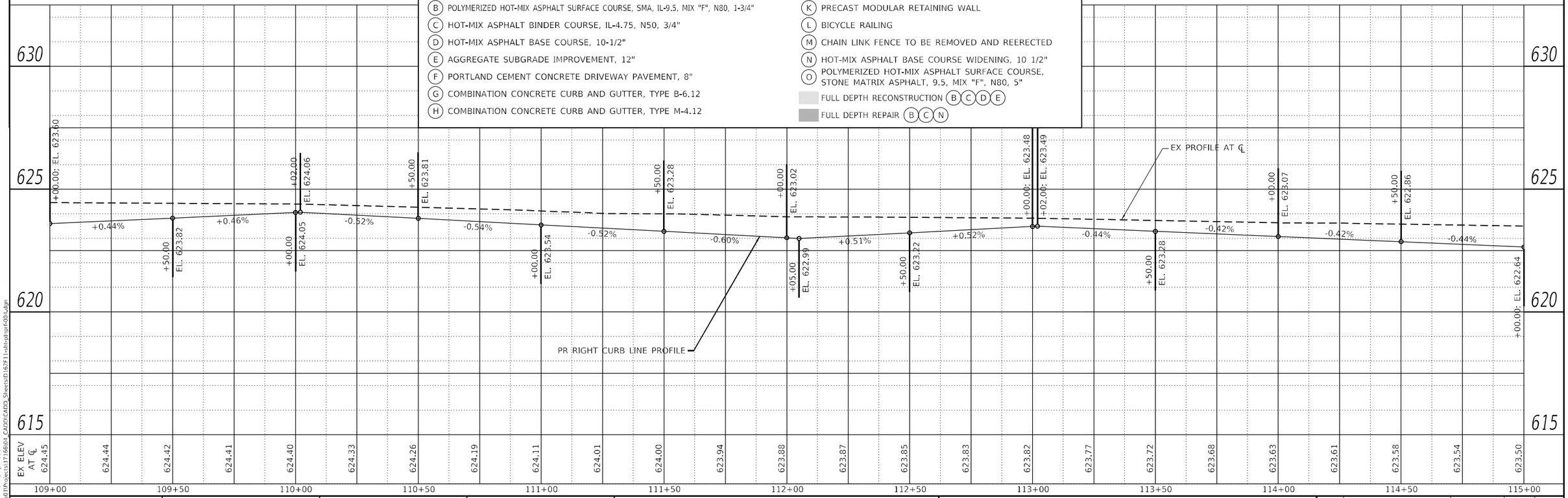


ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)



SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET ROADWAY PLAN AND PROFILE
		DRAWN - TS	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=20' SHEET 4 OF 11 SHEETS STA. 109+00 TO STA. 115+00
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	63
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF-04

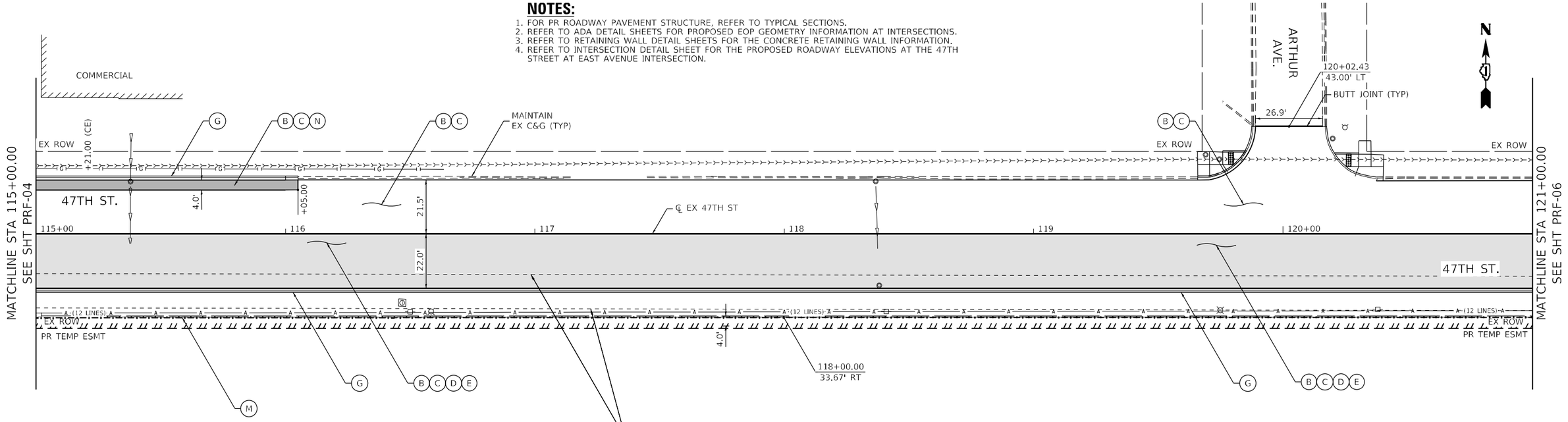
PLAN — SURVEYED / PLOTTED / QUANTITIES CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / QUANTITIES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

MODEL: D:\62F11\+dir+dnpr\006
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D162F11+alt+sglpprf-001.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.



ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
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- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
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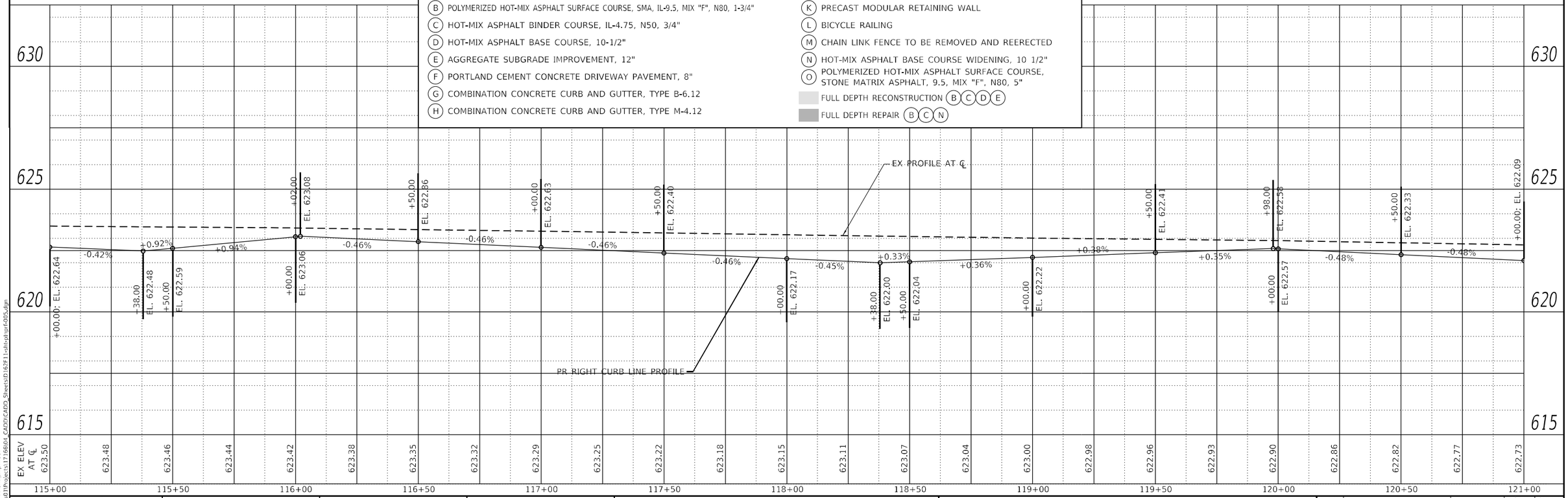
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)

0 20 40 60
SCALE IN FEET



SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET ROADWAY PLAN AND PROFILE
		DRAWN - TS	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=20' SHEET 5 OF 11 SHEETS STA. 115+00 TO STA. 121+00
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	64
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

PRF-05

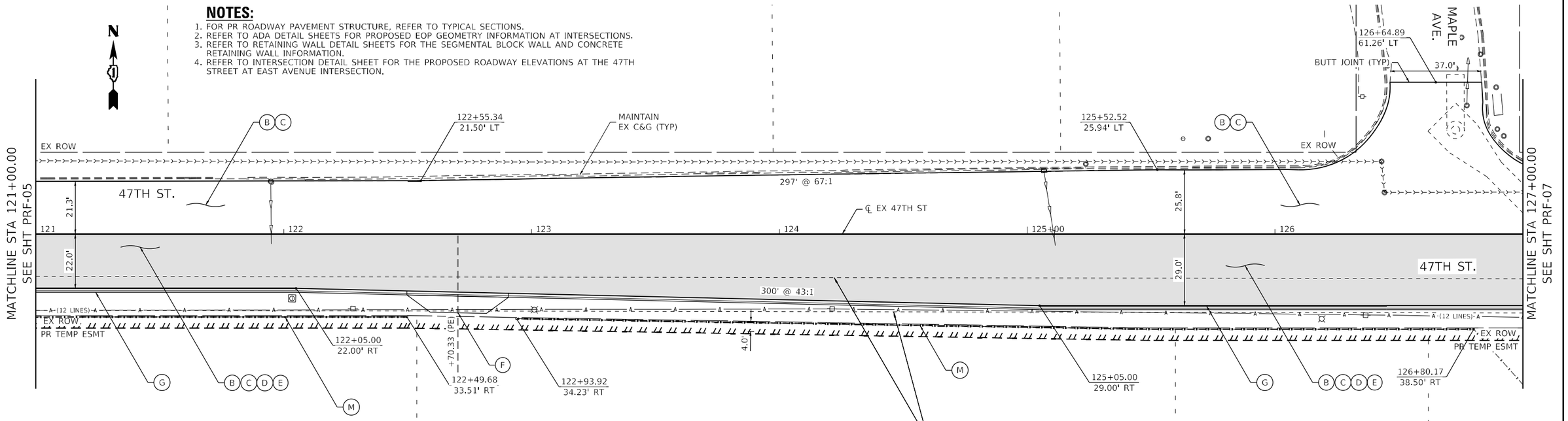
PLAN — DATE / BY / SURVEYED / PLOTTED / QUANTITIES CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK / NO.

PROFILE — DATE / BY / SURVEYED / PLOTTED / QUANTITIES CHECKED / R.O.W. CHECKED / STRUCTURE NO/ATING CHKD / NOTE BOOK / NO.

MODEL: D:\62F11\civil\dgn\62F11_PRF_05.dgn
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D 62F11 civil sht prf 005.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.



0 20 40 60
SCALE IN FEET

ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
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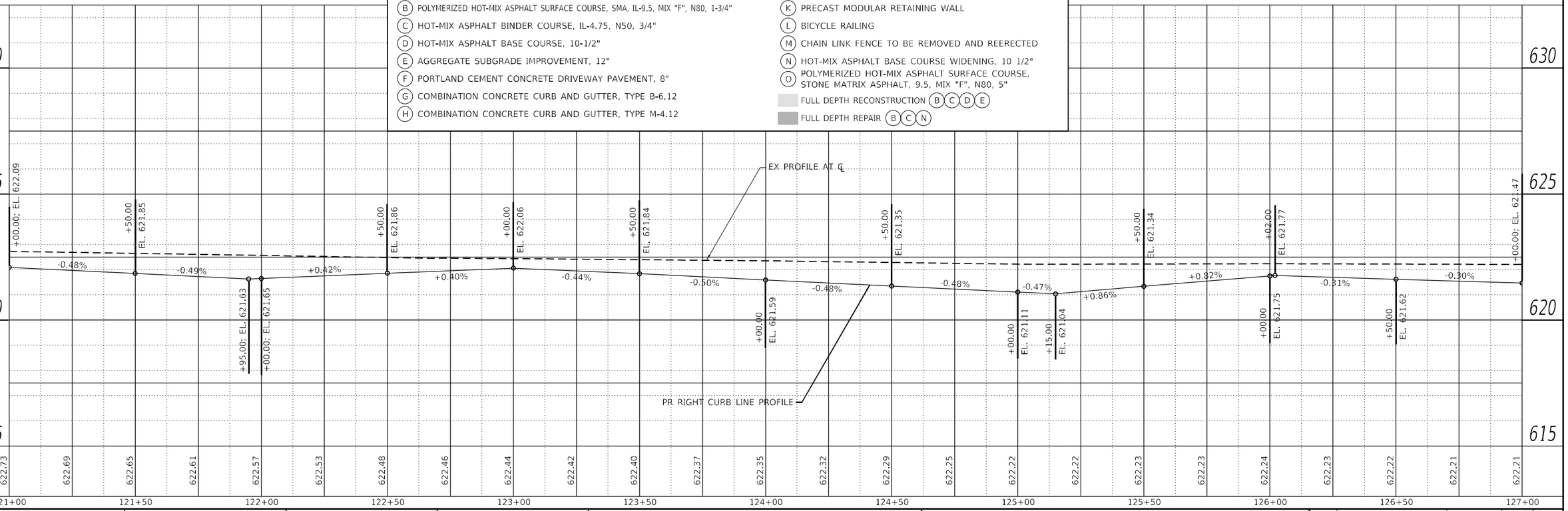
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)
FULL DEPTH REPAIR (B)(C)(N)



SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET ROADWAY PLAN AND PROFILE
		DRAWN - TS	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=20' SHEET 6 OF 11 SHEETS STA. 121+00 TO STA. 127+00
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	65
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF–06

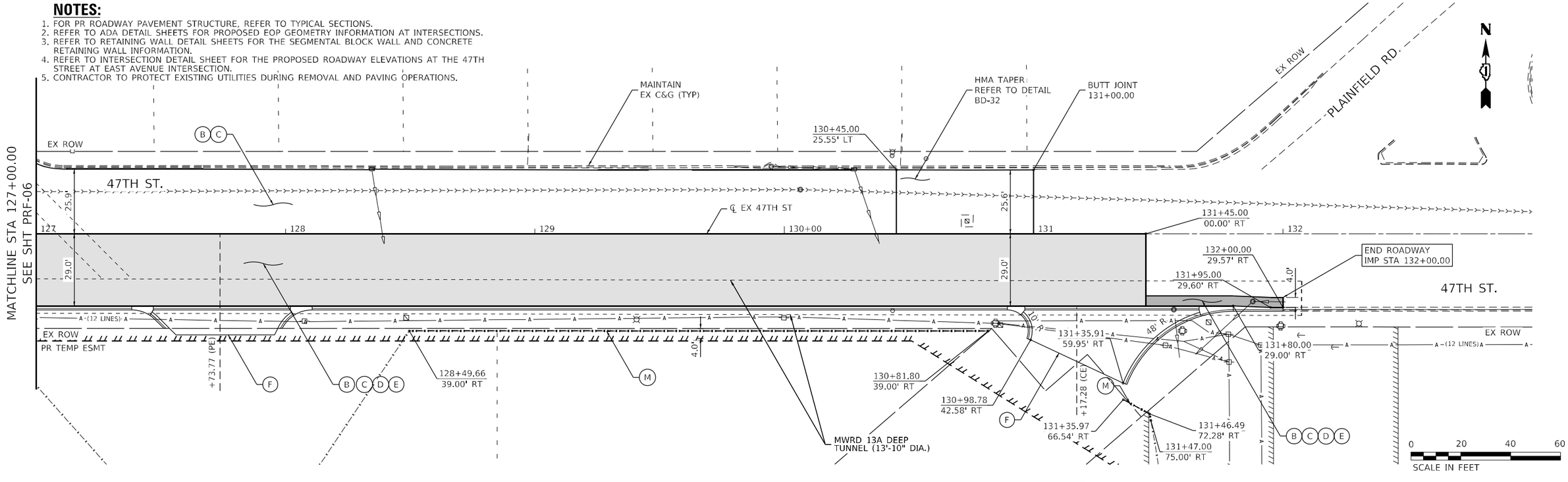
PLAN — SURVEYED / PLOTTED / DRAWN / CHECKED / QUANTITIES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / QUANTITIES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

MODEL: D:\62F11\civil\dgn\406
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D 162F11-alt=sq\prf406.dgn

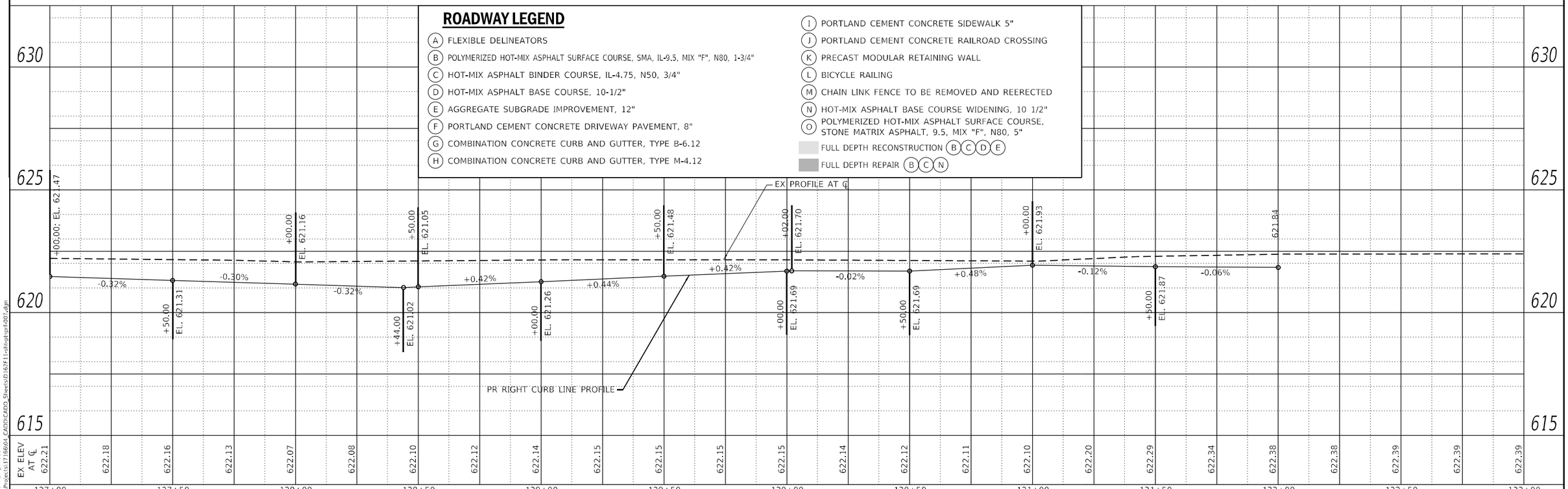
NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.
5. CONTRACTOR TO PROTECT EXISTING UTILITIES DURING REMOVAL AND PAVING OPERATIONS.



ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"
- FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)
- FULL DEPTH REPAIR (B)(C)(N)



USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 7 OF 11 SHEETS | STA. 127+00 | TO STA. 133+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	66
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

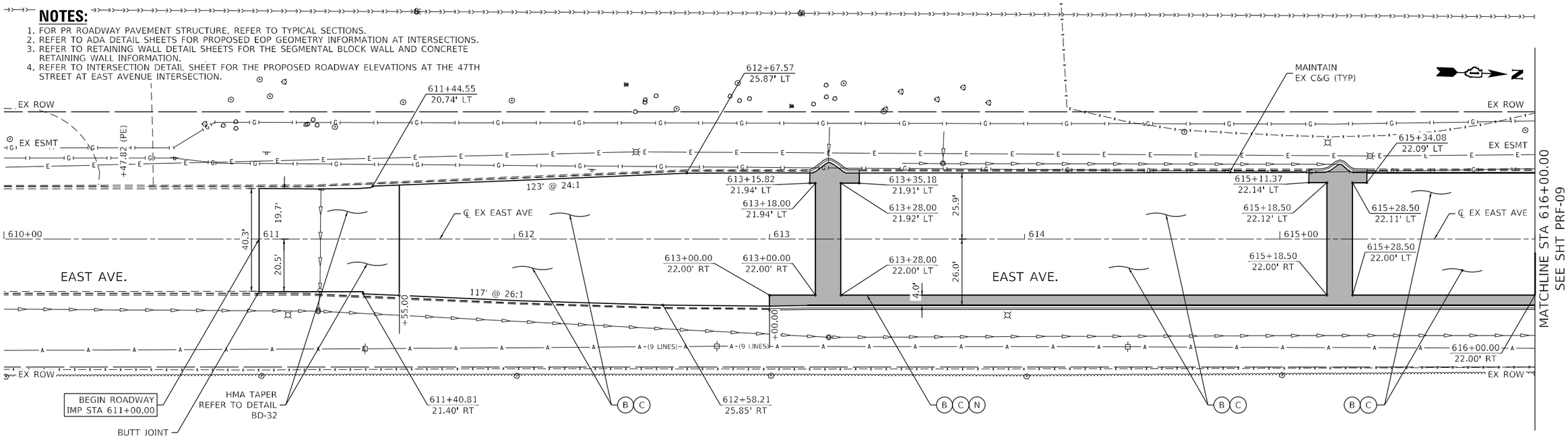
PRF-07

PLAN / PROFILE — SURVERED / PLOTTED / ABSENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BM. NOTED / STRUCTURE NOTATNS TYPED / BY / DATE

MODEL: D162F11-sht-plnprf-009
FILE NAME: \\fs01\Projects\17166004_CADD\CADD_Sheets\D162F11-sht-plnprf-007.dgn

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.



ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

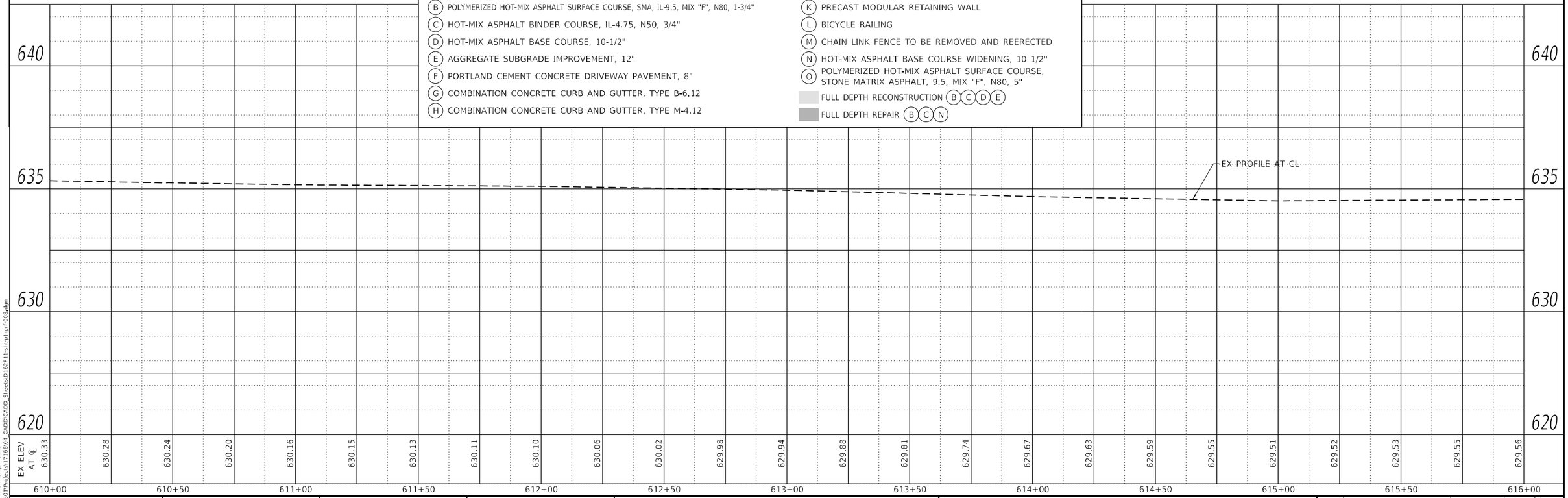
FULL DEPTH RECONSTRUCTION (B C D E)

FULL DEPTH REPAIR (B C N)

0 20 40 60
SCALE IN FEET

PLAN — SURVEYED — PLOTTED — CROSS SECTIONED — R.O.W. CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE — SURVEYED — PLOTTED — CROSS SECTIONED — BM. NOTED — STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE



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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -
		DRAWN - TS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

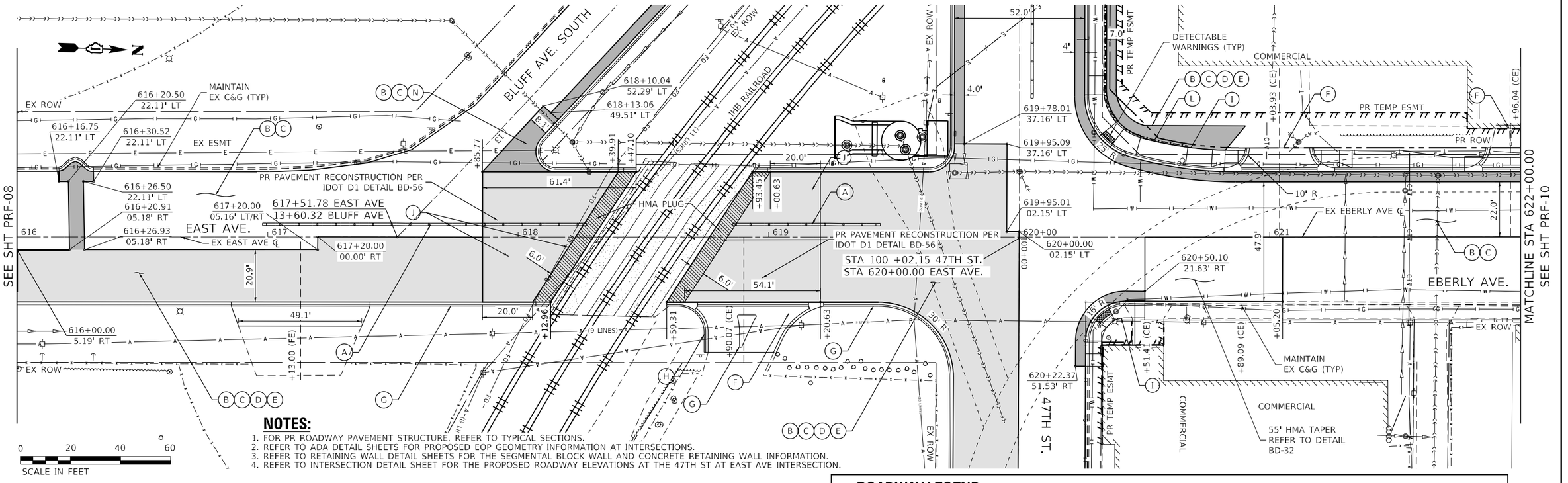
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 11 SHEETS | STA. 610+00 | TO STA. 616+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	67
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF–08

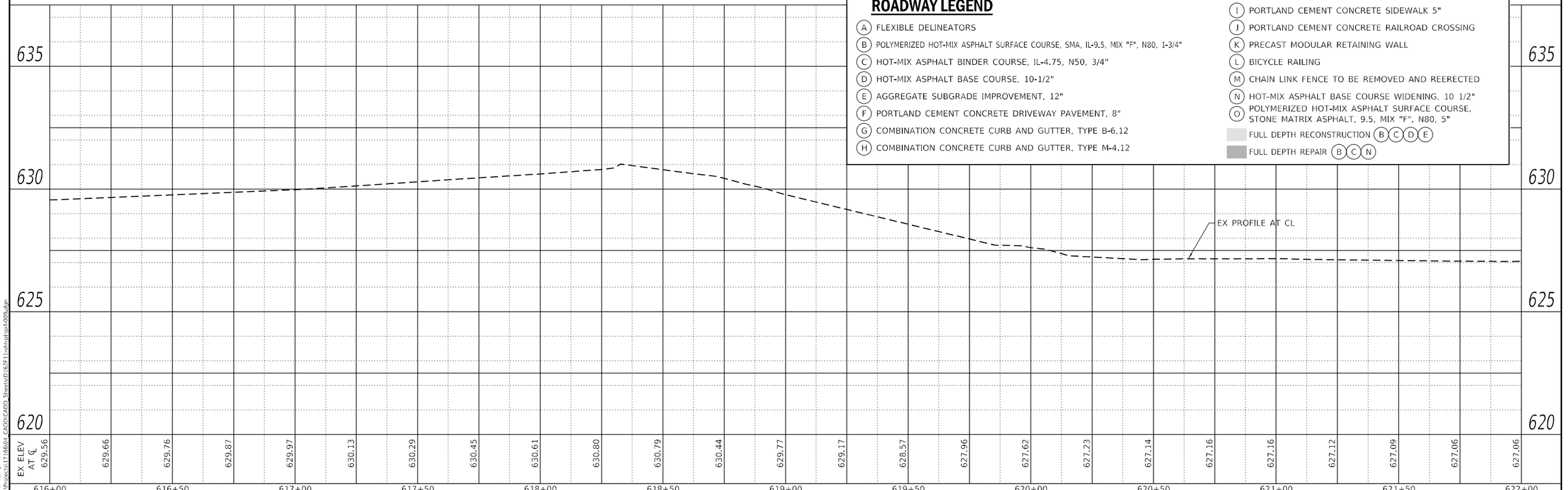


NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH ST AT EAST AVE INTERSECTION.

ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"
- FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)
- FULL DEPTH REPAIR (B)(C)(N)



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PROFILE — SURVEYED / PLOTTED / CROSS CHECKED / R.O.W. CHECKED / BM. NOTED / STRUCTURE NO/ATNS CHKD / NOTE BOOK / NO. / BY / DATE

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

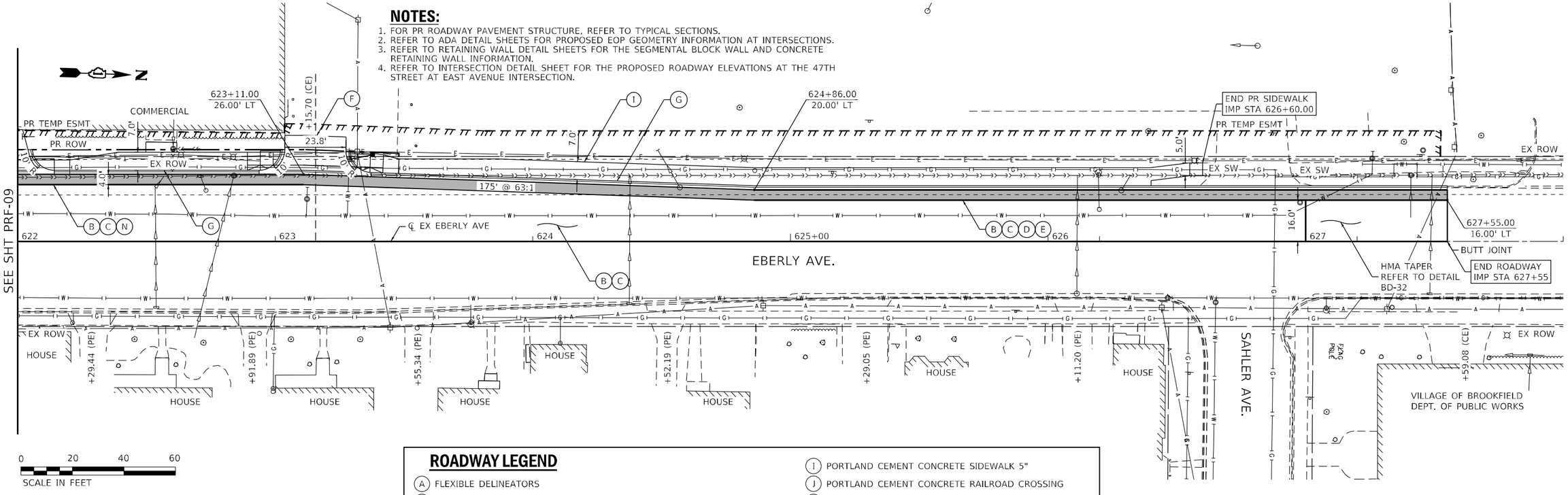
SCALE: 1"=20' | SHEET 9 OF 11 SHEETS | STA. 616+00 TO STA. 622+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	68
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

PRF-09

NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.



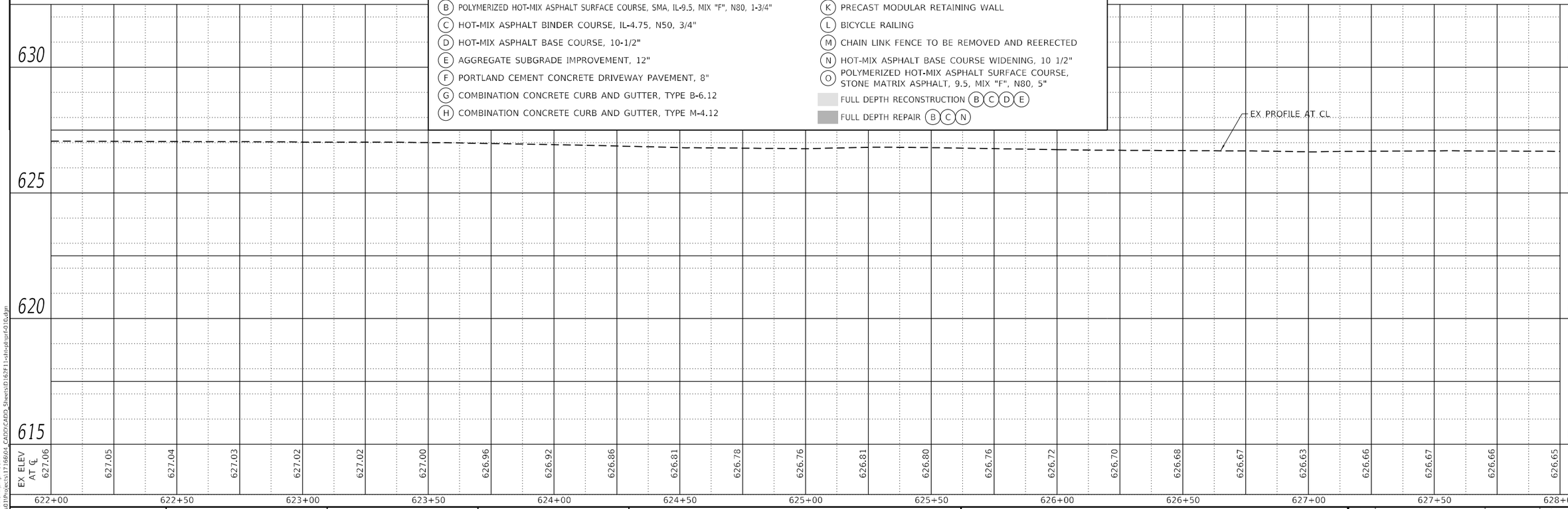
0 20 40 60
SCALE IN FEET

ROADWAY LEGEND

- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)



EX ELEV AT ℄	627.06	627.05	627.04	627.03	627.02	627.02	627.00	626.96	626.92	626.86	626.81	626.78	626.76	626.81	626.80	626.76	626.72	626.70	626.68	626.67	626.63	626.66	626.67	626.66	626.65
	622+00		622+50		623+00		623+50		624+00		624+50		625+00		625+50		626+00		626+50		627+00		627+50		628+00

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET ROADWAY PLAN AND PROFILE
	DRAWN - TS	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=20' SHEET 10 OF 11 SHEETS STA. 622+00 TO STA. 628+00
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	69
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

PRF–10

PLAN: SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, R.O.W. CHECKED, NOTE BOOK, NO., CADD FILE NAME, BY, DATE

PROFILE: SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, BM. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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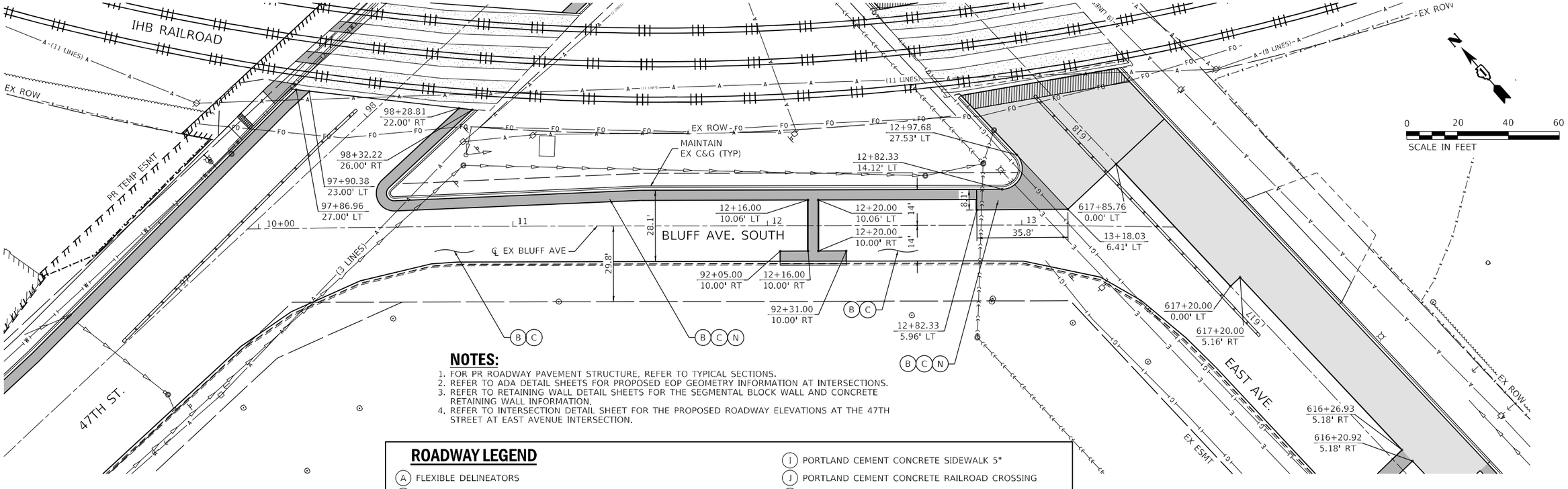


NOTES:

1. FOR PR ROADWAY PAVEMENT STRUCTURE, REFER TO TYPICAL SECTIONS.
2. REFER TO ADA DETAIL SHEETS FOR PROPOSED EOP GEOMETRY INFORMATION AT INTERSECTIONS.
3. REFER TO RETAINING WALL DETAIL SHEETS FOR THE SEGMENTAL BLOCK WALL AND CONCRETE RETAINING WALL INFORMATION.
4. REFER TO INTERSECTION DETAIL SHEET FOR THE PROPOSED ROADWAY ELEVATIONS AT THE 47TH STREET AT EAST AVENUE INTERSECTION.

ROADWAY LEGEND

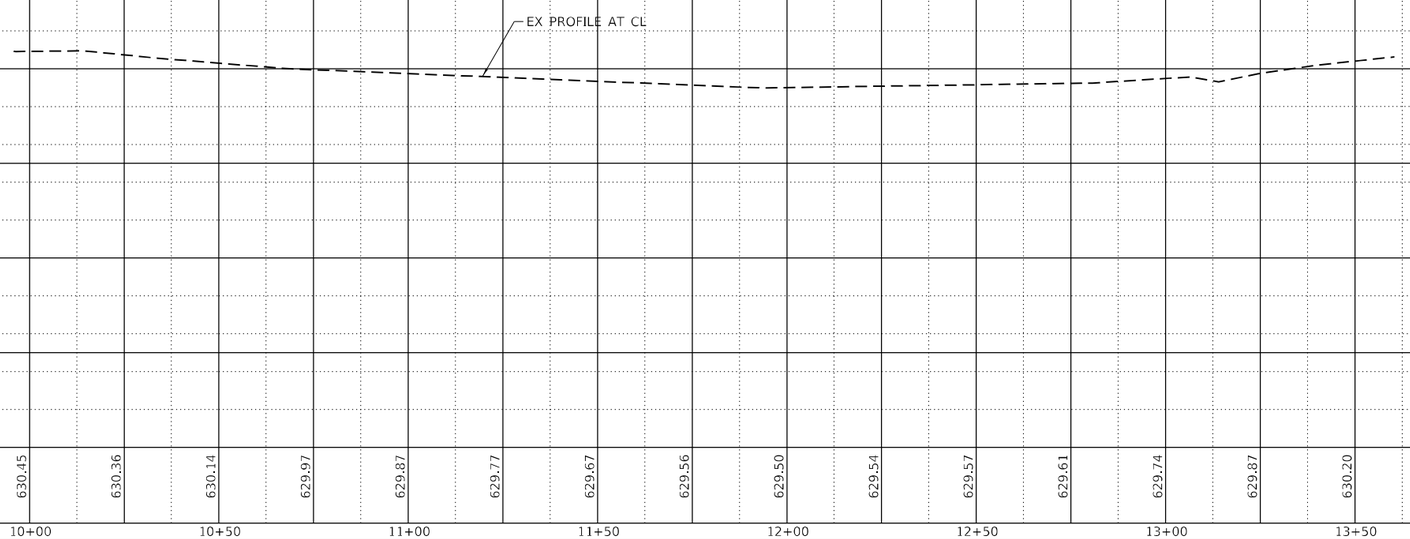
- (A) FLEXIBLE DELINEATORS
- (B) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1-3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HOT-MIX ASPHALT BASE COURSE, 10-1/2"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (F) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (I) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (J) PORTLAND CEMENT CONCRETE RAILROAD CROSSING
- (K) PRECAST MODULAR RETAINING WALL
- (L) BICYCLE RAILING
- (M) CHAIN LINK FENCE TO BE REMOVED AND REERECTED
- (N) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- (O) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 5"

FULL DEPTH RECONSTRUCTION (B)(C)(D)(E)

FULL DEPTH REPAIR (B)(C)(N)

PLAN — SURVEYED / PLOTTED / CROSS SECTIONED / BM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / CROSS SECTIONED / BM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE



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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

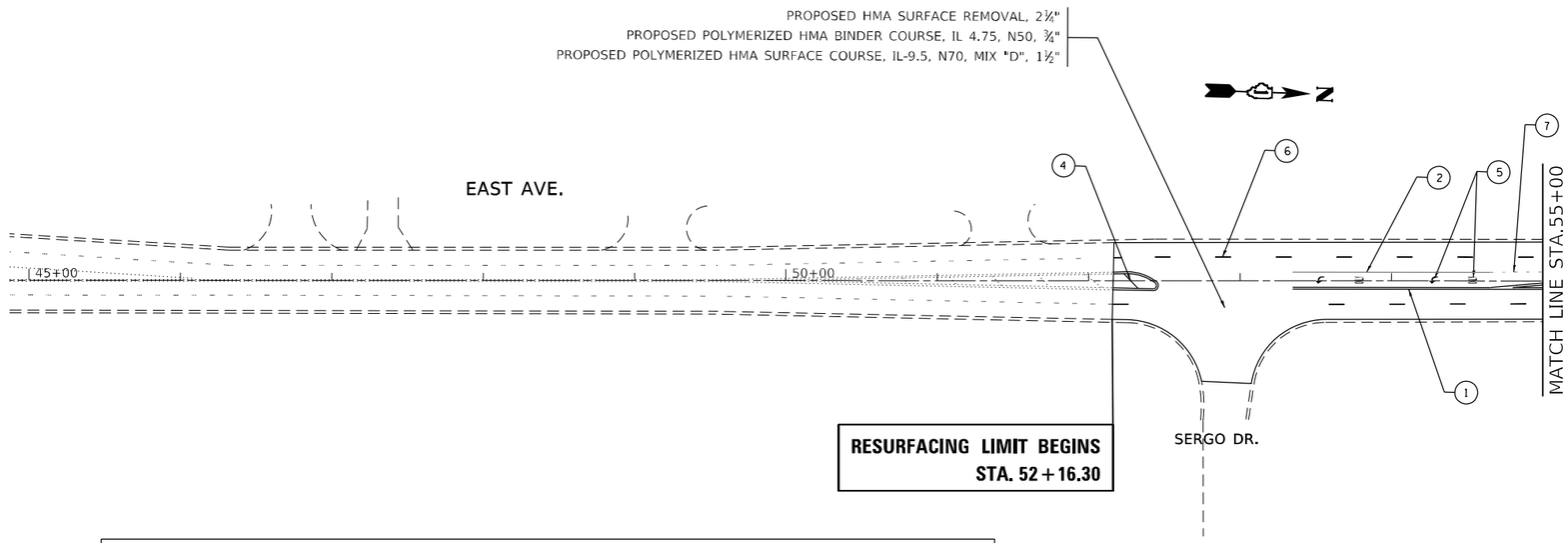
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
ROADWAY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 11 OF 11 SHEETS | STA. 9+95.70 | TO STA. 13+60.32

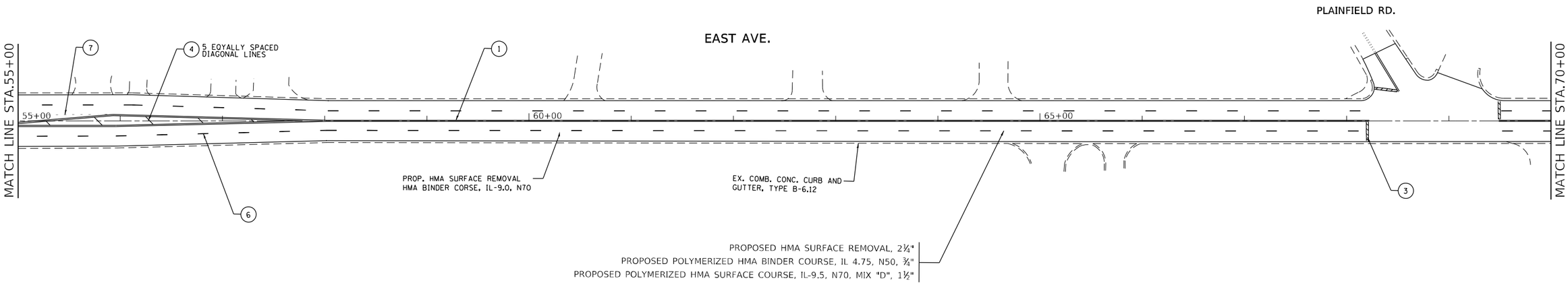
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	70
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PRF–11



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID YELLOW LINE
5. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)



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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
EAST AVENUE RESURFACING PLANS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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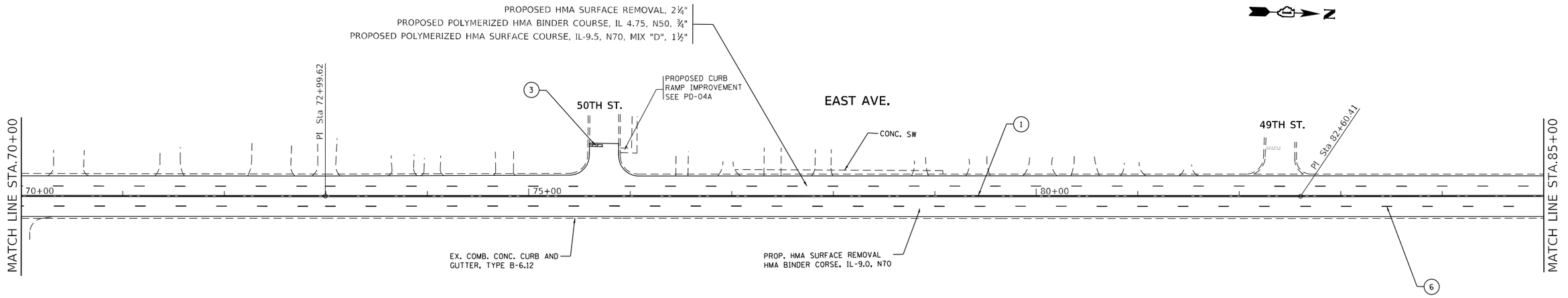
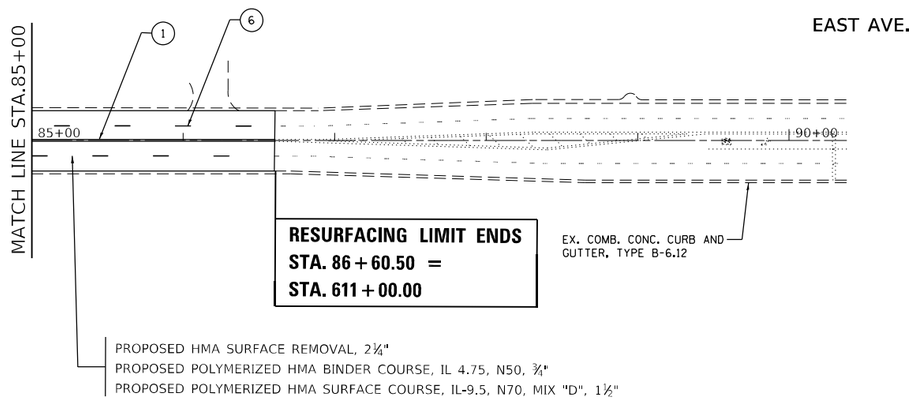
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL SOLID YELLOW LINE
5. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE, 2' LINE WITH 6' SPACE (TYP.)



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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/5/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
EAST AVENUE RESURFACING PLANS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	72
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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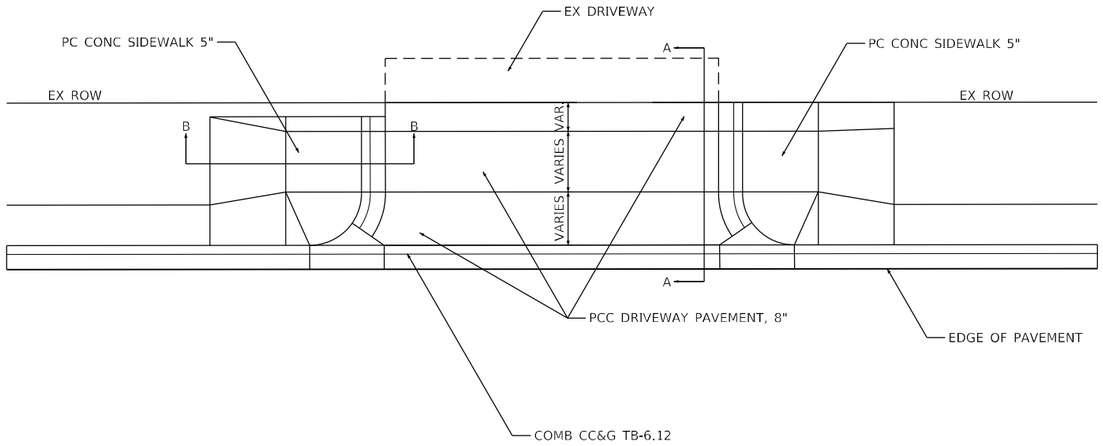
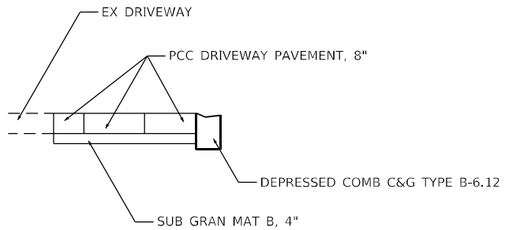


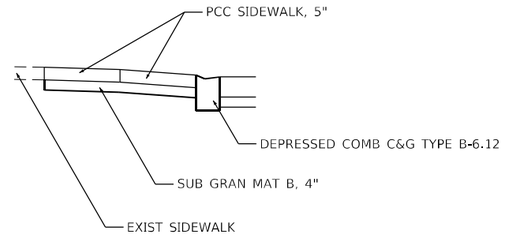
COMMERCIAL DRIVEWAY WITH SIDEWALK PEDESTRIAN FACILITIES

N.T.S. - SEE PLANS FOR LOCATIONS



SECTION A-A

N.T.S. - SEE CROSS SECTIONS FOR GRADES



SECTION B-B

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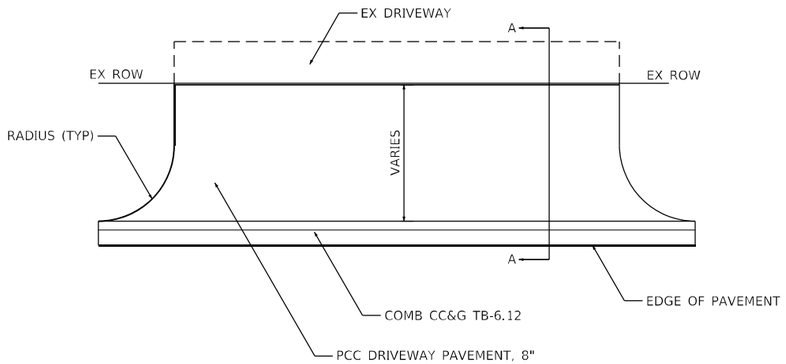
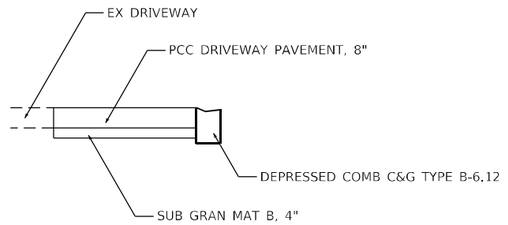


COMMERCIAL DRIVEWAY

N.T.S. - SEE PLANS FOR LOCATIONS



SECTION A-A

N.T.S. - SEE CROSS SECTIONS FOR GRADES

DWY-01

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

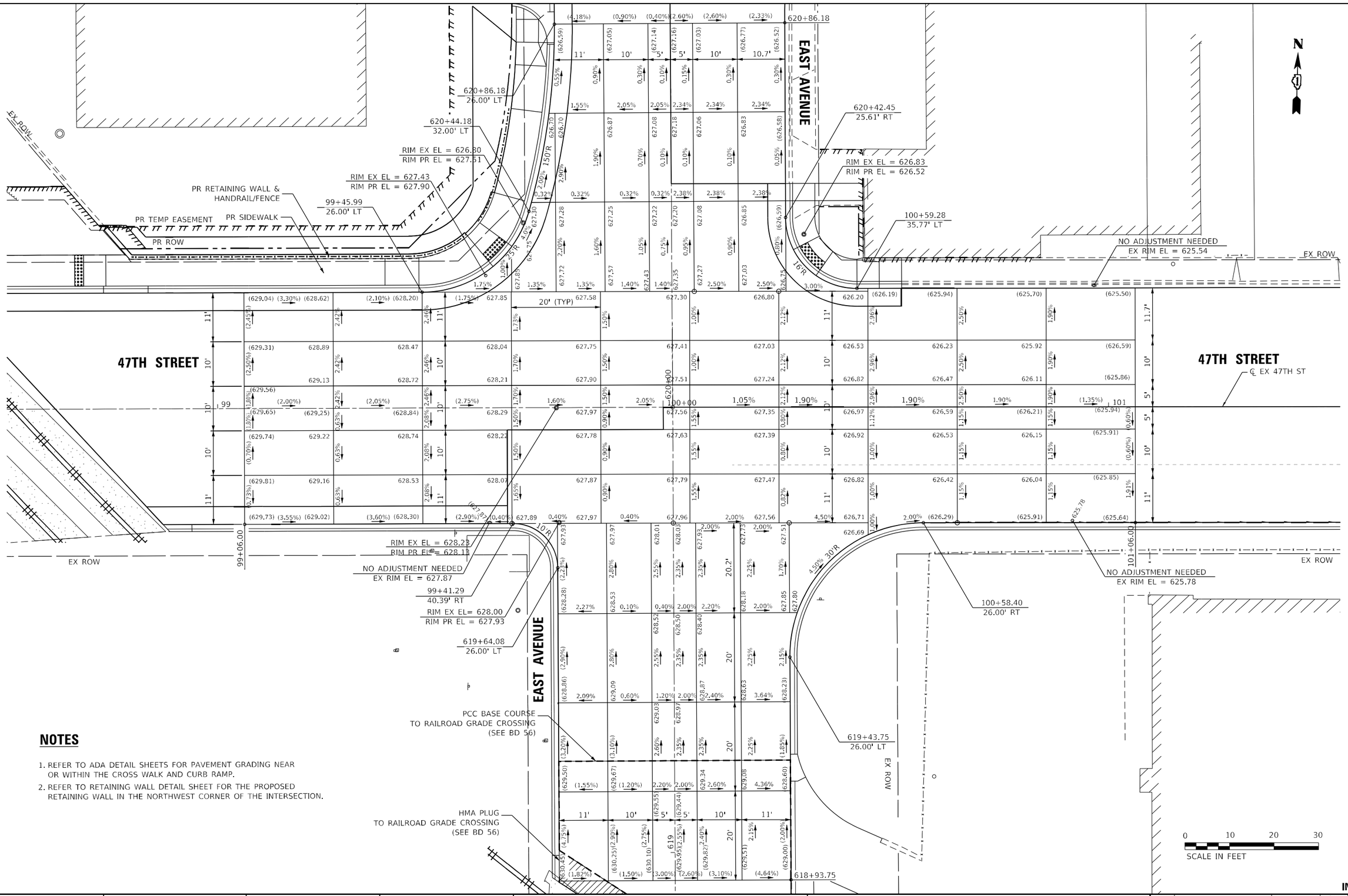
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRIVEWAY DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	73
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



NOTES

1. REFER TO ADA DETAIL SHEETS FOR PAVEMENT GRADING NEAR OR WITHIN THE CROSS WALK AND CURB RAMP.
2. REFER TO RETAINING WALL DETAIL SHEET FOR THE PROPOSED RETAINING WALL IN THE NORTHWEST CORNER OF THE INTERSECTION.

INT–01

MODEL: Default
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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	DRAWN - TS	REVISED -	
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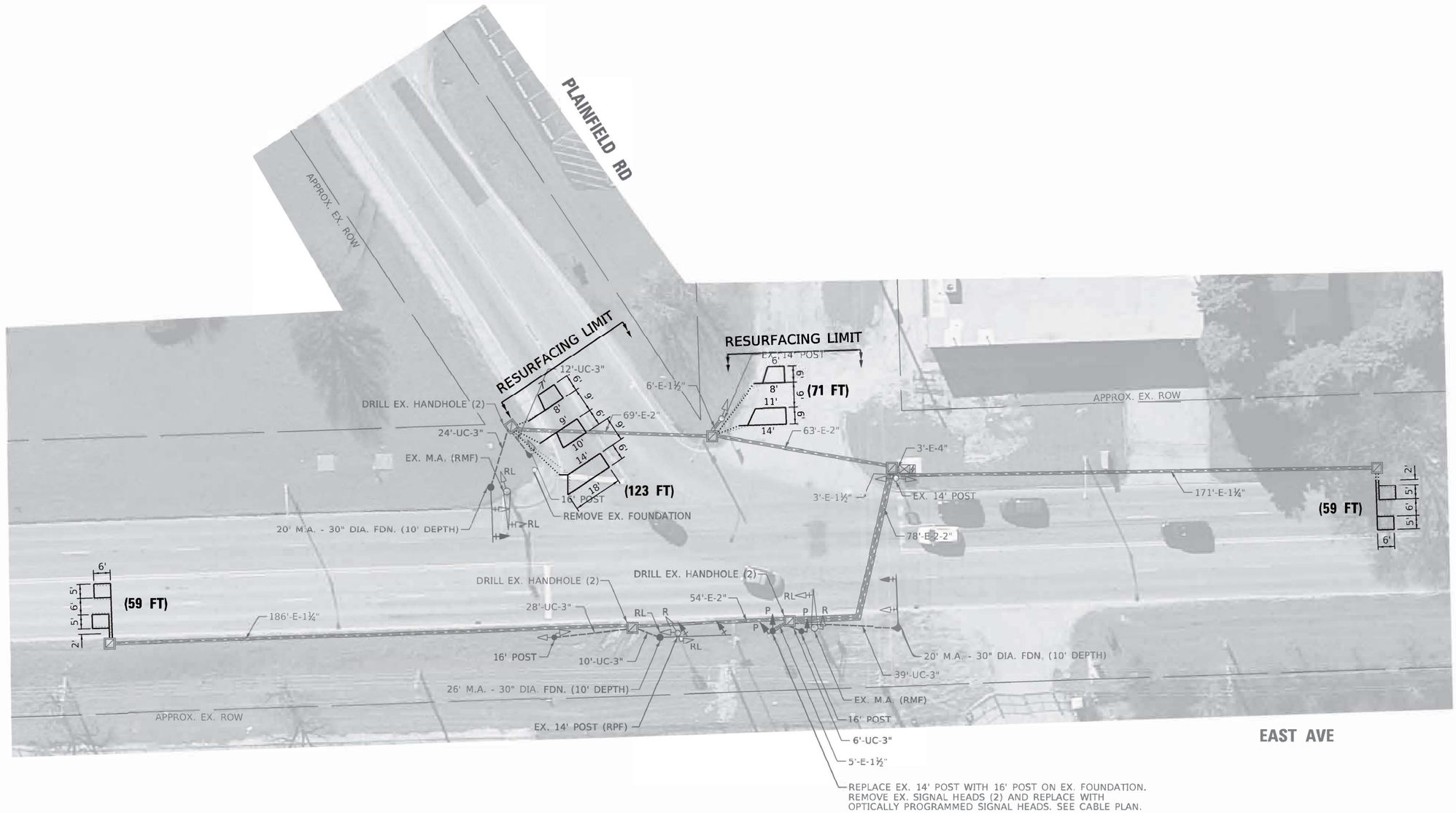
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
INTERSECTION DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	74
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	312	FOOT

TS 5070

MODEL: Default
FILE NAME: S:\WP\Design\Zeb\Detector Loop Replacement Plans\62G74\62G744 Loop Replacement.dgn

USER NAME = Zebadiah.Hoerbert	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/20/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

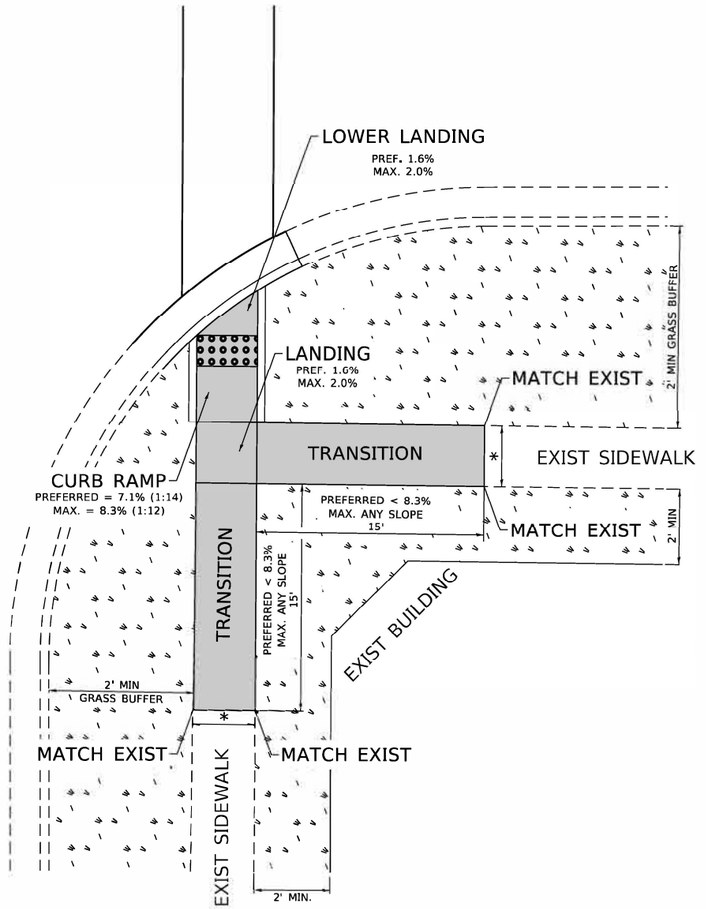
DETECTOR LOOP REPLACEMENT PLAN
EAST AVE AT PLAINFIELD RD

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

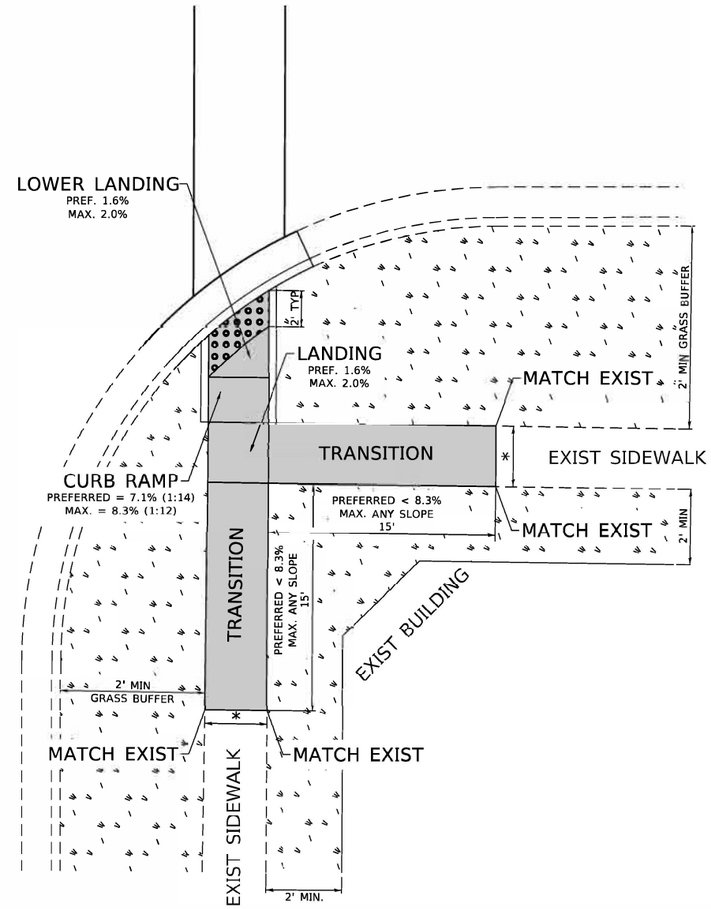
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	75
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD–04A



PD–04B



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2024	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD–04)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	76
	PD-04	CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

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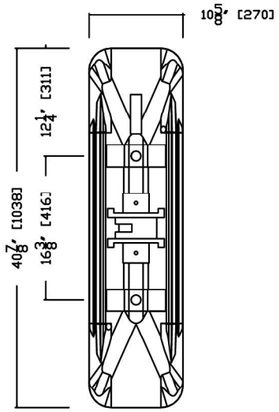

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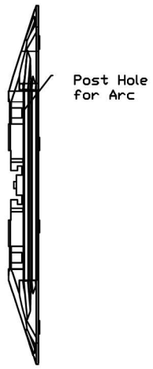

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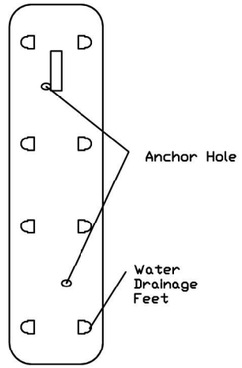

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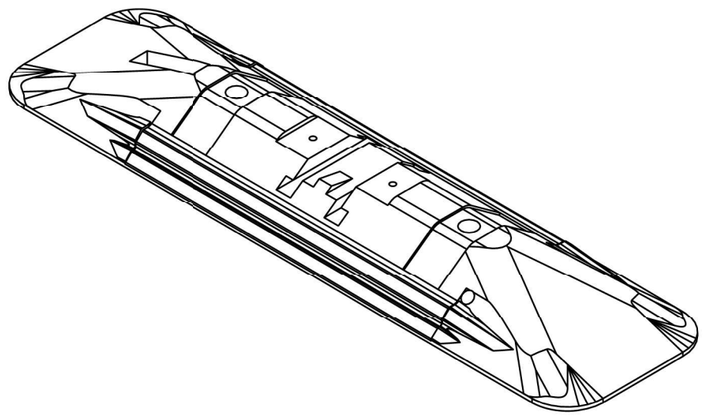
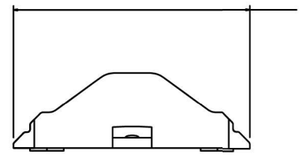
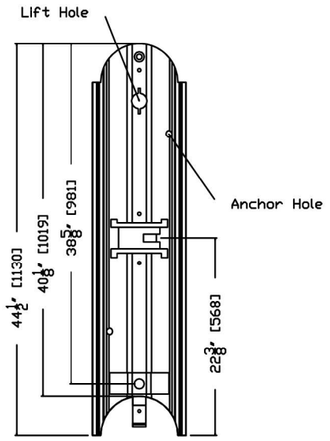


All measurements are approximate, as plastic expands and contracts slightly with temperature changes.





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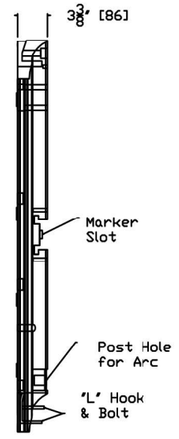

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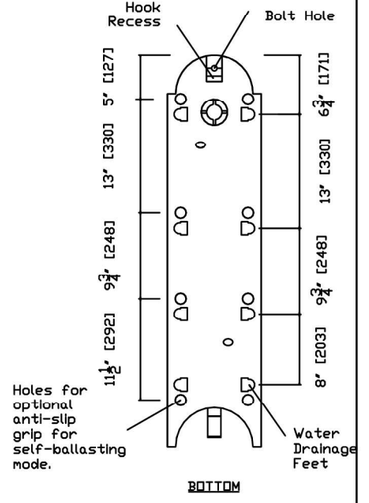

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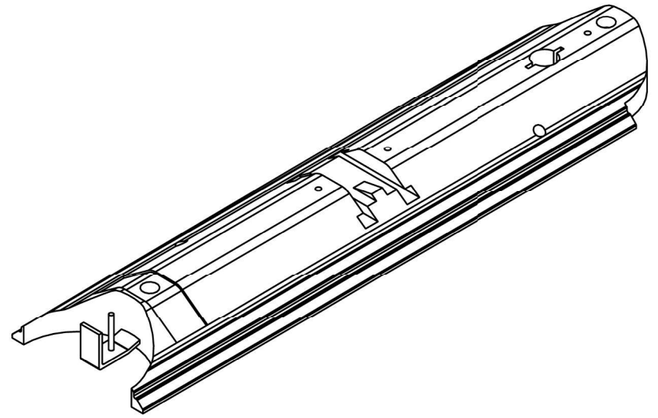


All measurements are approximate, as plastic expands and contracts slightly with temperature changes.

CONTINUOUS SYSTEM ANCHORED TO PAVEMENT – BASE UNITS

RFD–01

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD Sheets\D 62F11-sht-detail-RR Flexible Delineators.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

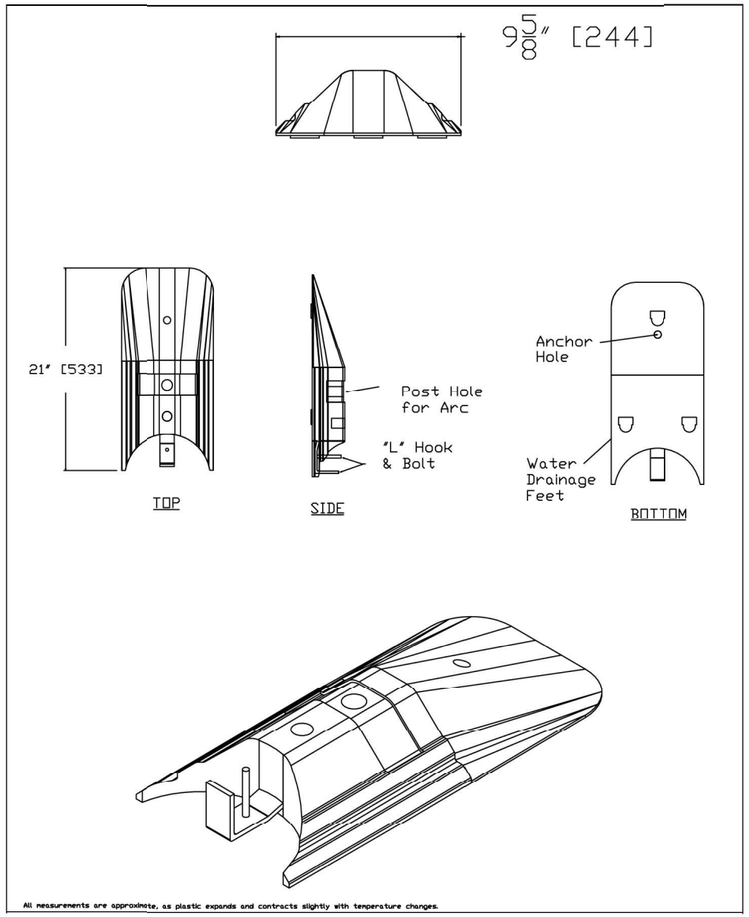
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

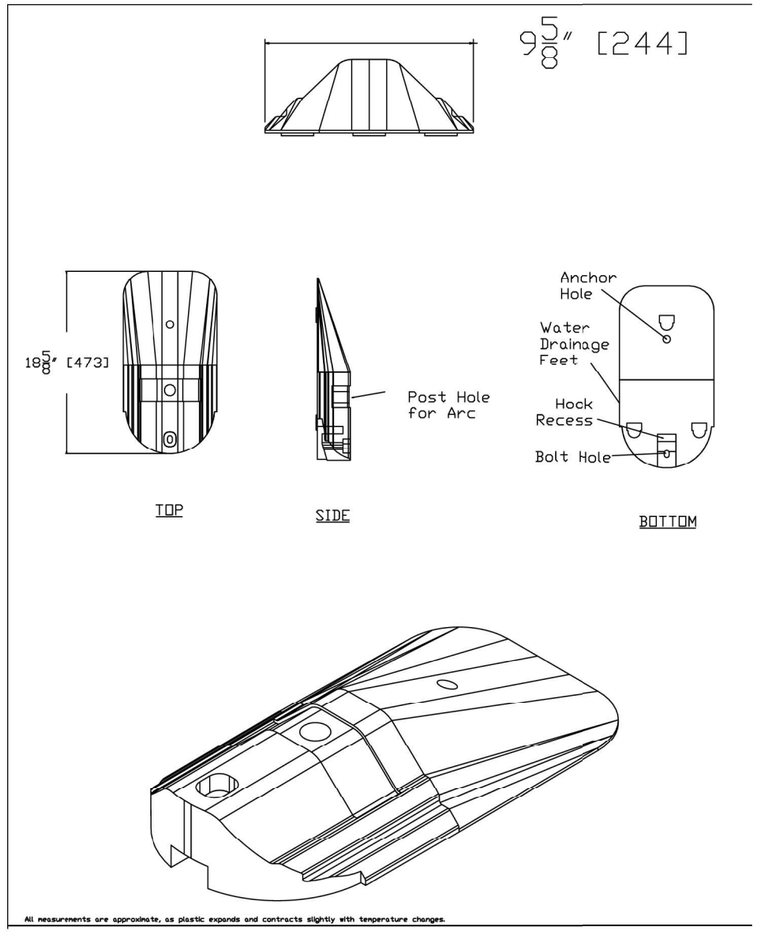
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD FLEXIBLE DELINEATORS DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	77
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		





CONTINUOUS SYSTEM ANCHORED TO PAVEMENT – END SECTION UNITS

RFD–02

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

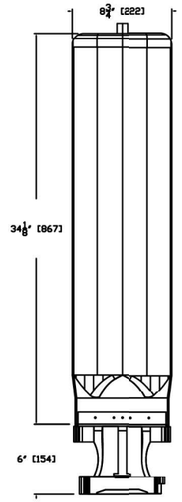
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

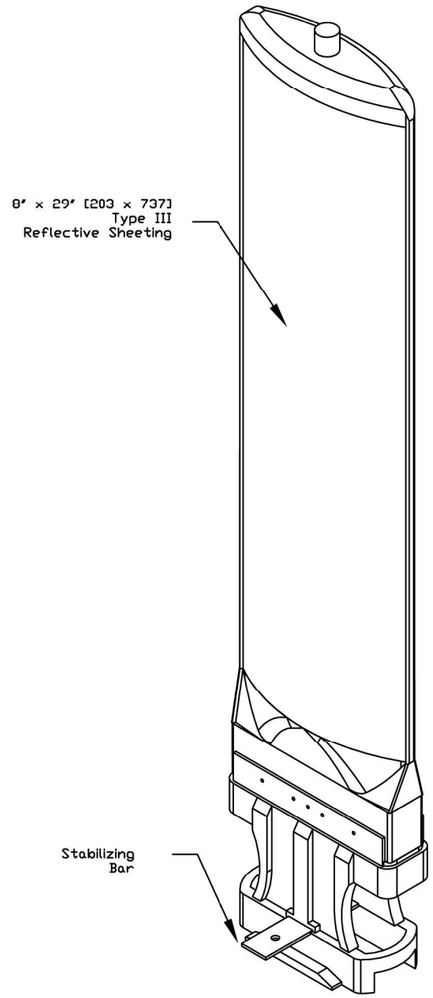
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

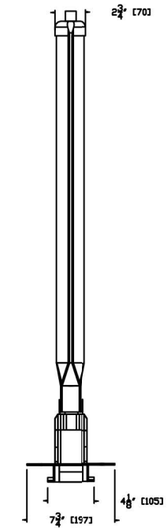
RAILROAD FLEXIBLE DELINEATORS DETAILS

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

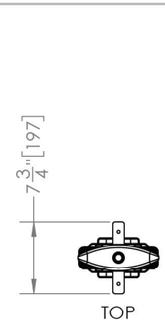
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	78
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

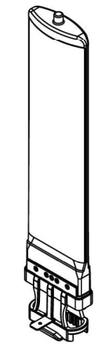


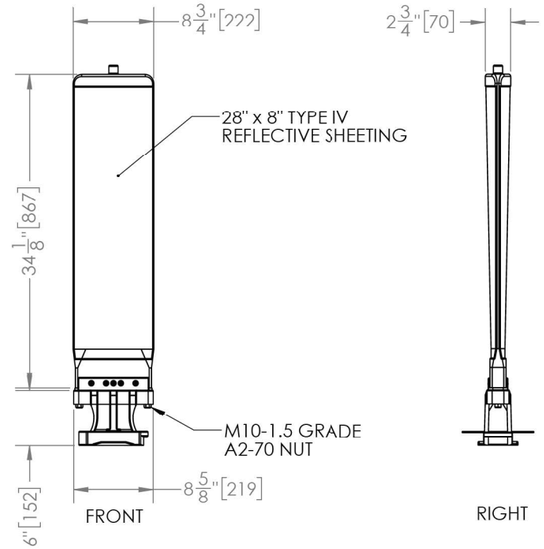




All measurements are approximate, as plastic expands and contracts slightly with temperature changes.







CONTINUOUS SYSTEM ANCHORED TO PAVEMENT – FLEXIBLE DELINEATORS

RFD–03

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAILROAD FLEXIBLE DELINEATORS DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TS	REVISED -			2719	3212TS-RR	COOK	336	79
	PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -					CONTRACT NO. 62F11		
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

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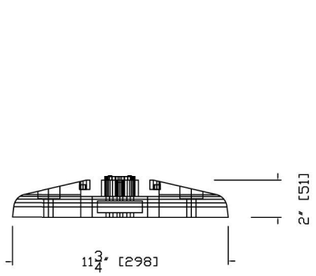

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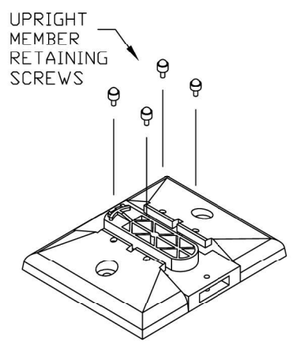


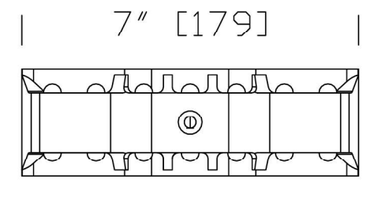
ISOMETRIC

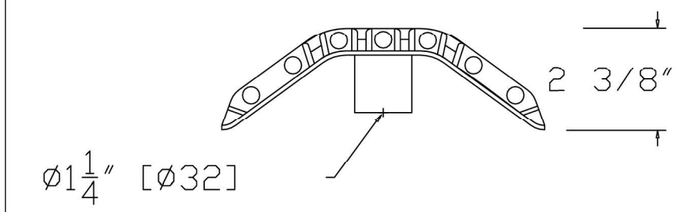
TOP

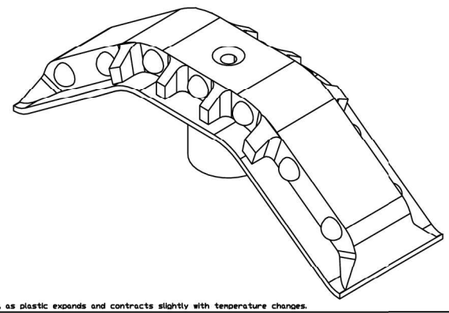
SIDE

All measurements are approximate, as plastic expands and contracts slightly with temperature changes.

CONTINUOUS SYSTEM ANCHORED TO PAVEMENT – FLEXIBLE DELINEATOR MOUNTING BASE







All measurements are approximate, as plastic expands and contracts slightly with temperature changes.

CONTINUOUS SYSTEM ANCHORED TO PAVEMENT – FLEXIBLE DELINEATOR REFLECTORS

RFD–04

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD Sheets\D162F11-ch-detells-RR Flexible Delineators.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

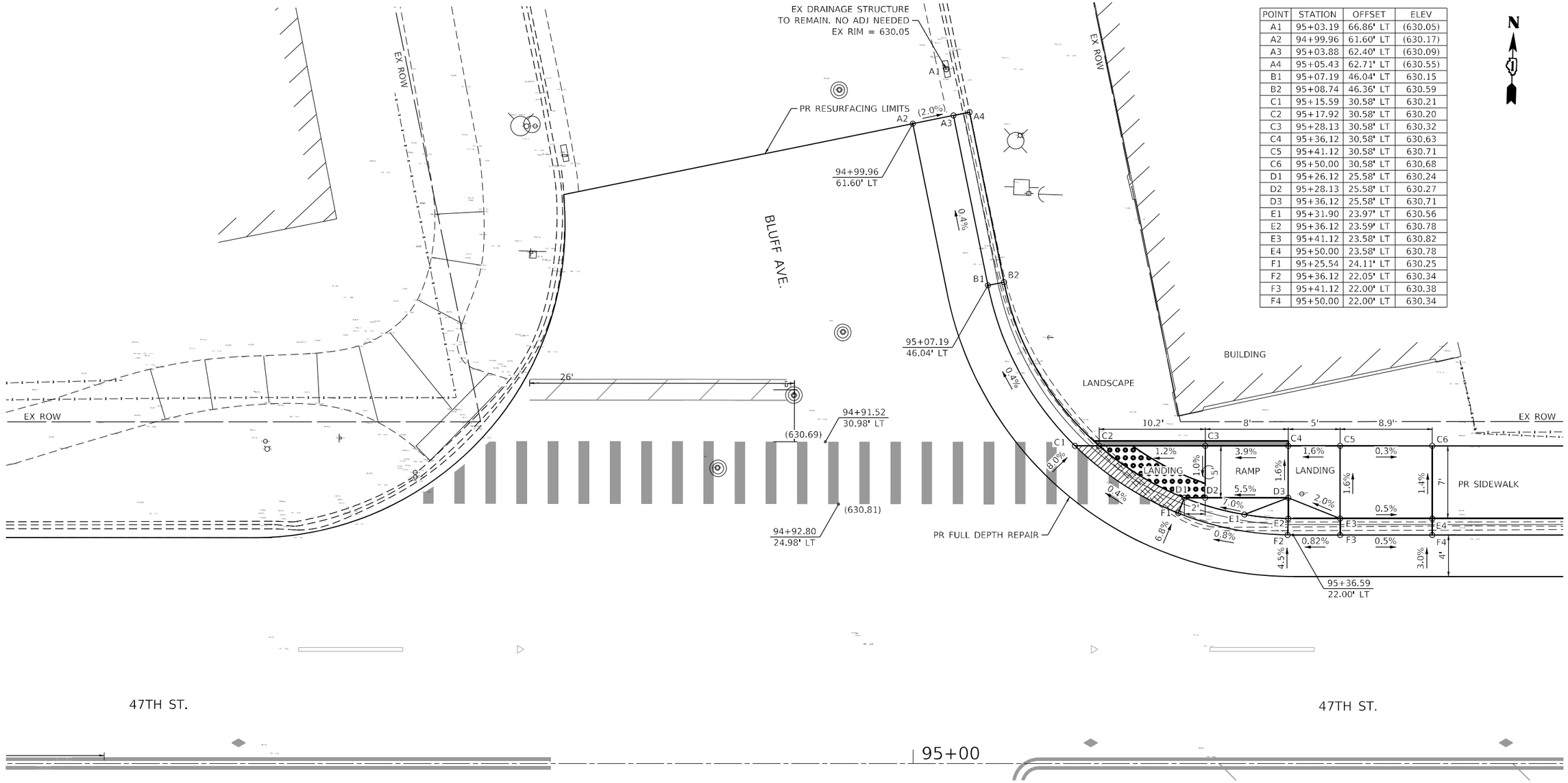
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD FLEXIBLE DELINEATORS DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	80
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

POINT	STATION	OFFSET	ELEV
A1	95+03.19	66.86' LT	(630.05)
A2	94+99.96	61.60' LT	(630.17)
A3	95+03.88	62.40' LT	(630.09)
A4	95+05.43	62.71' LT	(630.55)
B1	95+07.19	46.04' LT	630.15
B2	95+08.74	46.36' LT	630.59
C1	95+15.59	30.58' LT	630.21
C2	95+17.92	30.58' LT	630.20
C3	95+28.13	30.58' LT	630.32
C4	95+36.12	30.58' LT	630.63
C5	95+41.12	30.58' LT	630.71
C6	95+50.00	30.58' LT	630.68
D1	95+26.12	25.58' LT	630.24
D2	95+28.13	25.58' LT	630.27
D3	95+36.12	25.58' LT	630.71
E1	95+31.90	23.97' LT	630.56
E2	95+36.12	23.59' LT	630.78
E3	95+41.12	23.58' LT	630.82
E4	95+50.00	23.58' LT	630.78
F1	95+25.54	24.11' LT	630.25
F2	95+36.12	22.05' LT	630.34
F3	95+41.12	22.00' LT	630.38
F4	95+50.00	22.00' LT	630.34



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

BLUFF AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–01

MODEL: Default
FILE NAME: \\fs01\Projects\176604_CAD\CADD_Sheets\D162F11-ihh-details\B-ada-001.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

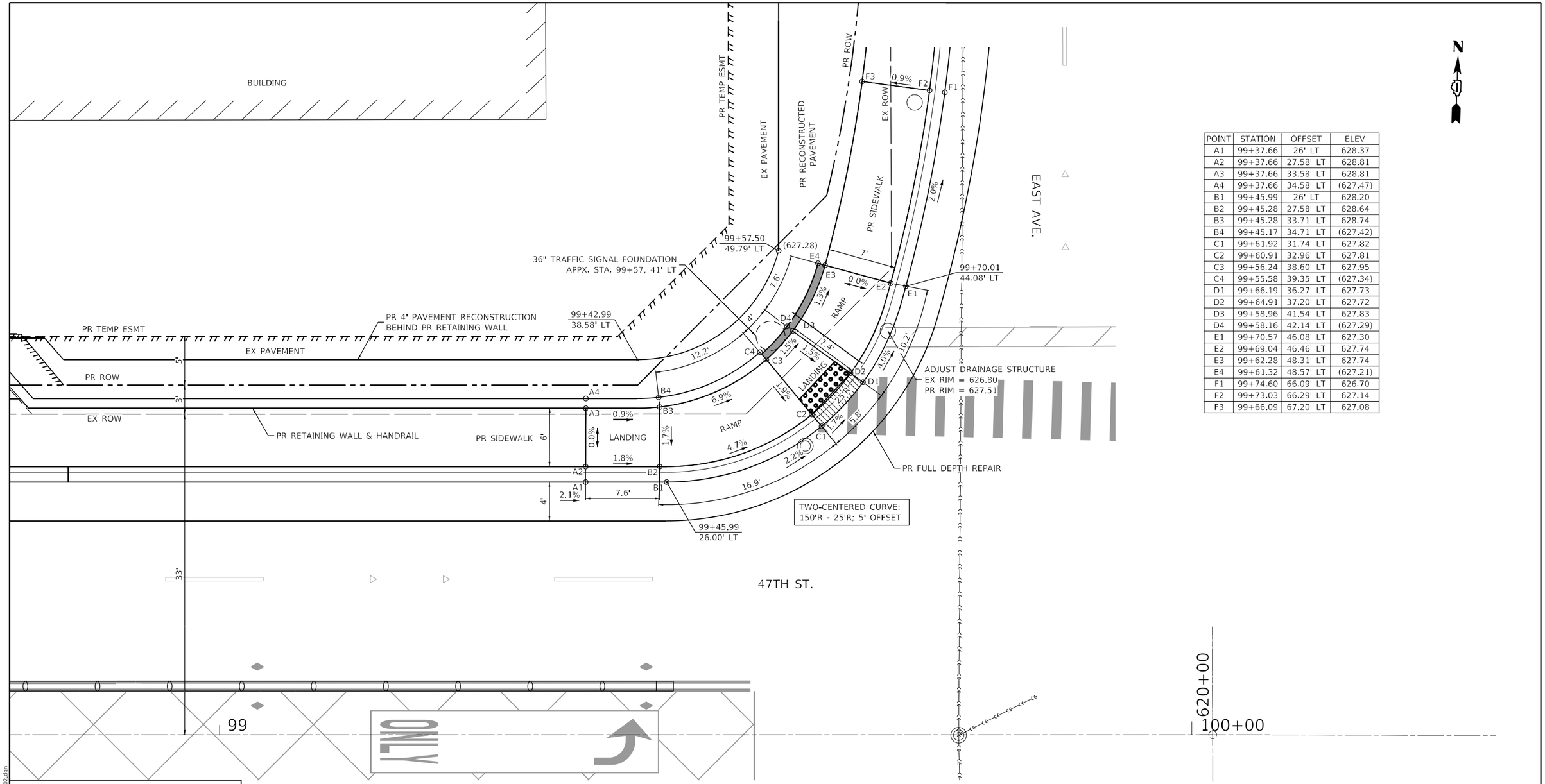
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/19/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 1 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	81
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



POINT	STATION	OFFSET	ELEV
A1	99+37.66	26' LT	628.37
A2	99+37.66	27.58' LT	628.81
A3	99+37.66	33.58' LT	628.81
A4	99+37.66	34.58' LT	(627.47)
B1	99+45.99	26' LT	628.20
B2	99+45.28	27.58' LT	628.64
B3	99+45.28	33.71' LT	628.74
B4	99+45.17	34.71' LT	(627.42)
C1	99+61.92	31.74' LT	627.82
C2	99+60.91	32.96' LT	627.81
C3	99+56.24	38.60' LT	627.95
C4	99+55.58	39.35' LT	(627.34)
D1	99+66.19	36.27' LT	627.73
D2	99+64.91	37.20' LT	627.72
D3	99+58.96	41.54' LT	627.83
D4	99+58.16	42.14' LT	(627.29)
E1	99+70.57	46.08' LT	627.30
E2	99+69.04	46.46' LT	627.74
E3	99+62.28	48.31' LT	627.74
E4	99+61.32	48.57' LT	(627.21)
F1	99+74.60	66.09' LT	626.70
F2	99+73.03	66.29' LT	627.14
F3	99+66.09	67.20' LT	627.08

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

NOTES

1. REFER TO RETAINING WALL DETAIL FOR MORE INFORMATION. ALL ELEVATIONS PROPOSED ON THIS DETAIL ARE FOR AT FINAL GRADE ELEVATIONS.
2. REFER TO INTERSECTION GRADING PLAN FOR INTERSECTION ELEVATION AND ROADWAY CROSS SLOPES

EAST AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–02

MODEL: Default
FILE NAME: \\Gis1\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-detail-ada-002.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

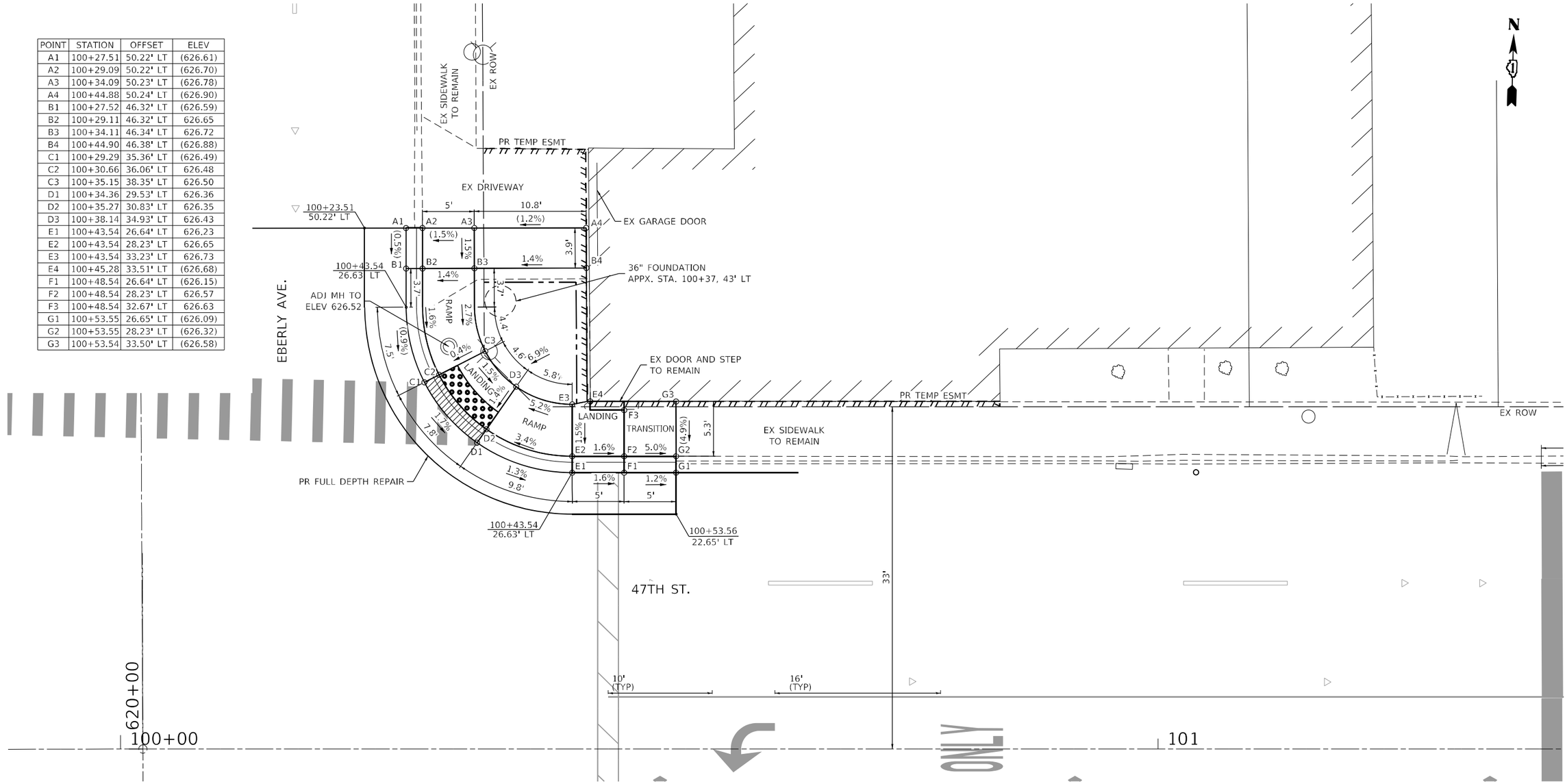
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 2 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	82
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

POINT	STATION	OFFSET	ELEV
A1	100+27.51	50.22' LT	(626.61)
A2	100+29.09	50.22' LT	(626.70)
A3	100+34.09	50.23' LT	(626.78)
A4	100+44.88	50.24' LT	(626.90)
B1	100+27.52	46.32' LT	(626.59)
B2	100+29.11	46.32' LT	626.65
B3	100+34.11	46.34' LT	626.72
B4	100+44.90	46.38' LT	(626.88)
C1	100+29.29	35.36' LT	(626.49)
C2	100+30.66	36.06' LT	626.48
C3	100+35.15	38.35' LT	626.50
D1	100+34.36	29.53' LT	626.36
D2	100+35.27	30.83' LT	626.35
D3	100+38.14	34.93' LT	626.43
E1	100+43.54	26.64' LT	626.23
E2	100+43.54	28.23' LT	626.65
E3	100+43.54	33.23' LT	626.73
E4	100+45.28	33.51' LT	(626.68)
F1	100+48.54	26.64' LT	(626.15)
F2	100+48.54	28.23' LT	626.57
F3	100+48.54	32.67' LT	626.63
G1	100+53.55	26.65' LT	(626.09)
G2	100+53.55	28.23' LT	(626.32)
G3	100+53.54	33.50' LT	(626.58)



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

EBERLY AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–03

MODEL: Default
FILE NAME: \\fs01\Projects\17168604_CAD\CADD_Sheets\D162F11-alt-detail-ada-003.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

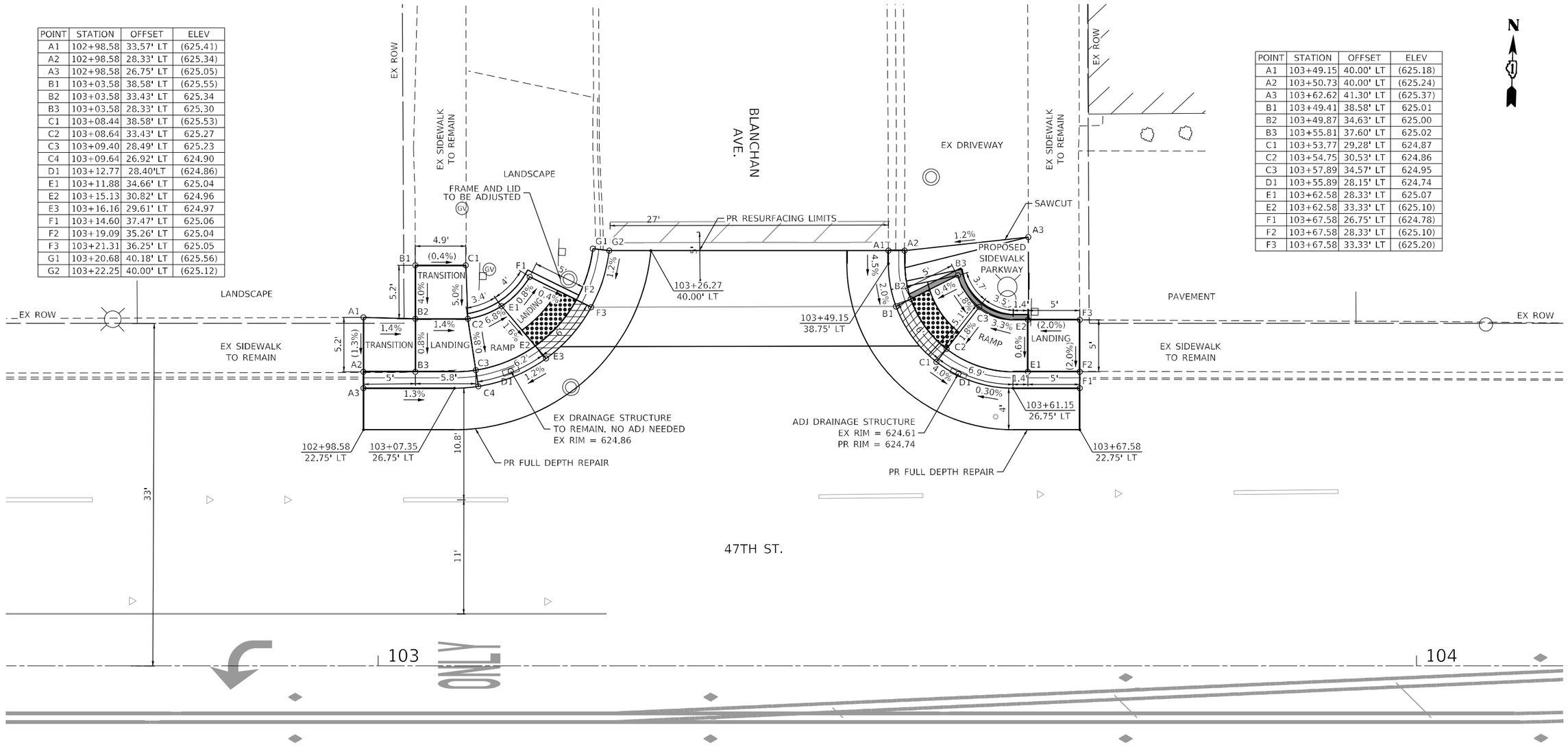
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 3 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	83
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

POINT	STATION	OFFSET	ELEV
A1	102+98.58	33.57' LT	(625.41)
A2	102+98.58	28.33' LT	(625.34)
A3	102+98.58	26.75' LT	(625.05)
B1	103+03.58	38.58' LT	(625.55)
B2	103+03.58	33.43' LT	625.34
B3	103+03.58	28.33' LT	625.30
C1	103+08.44	38.58' LT	(625.53)
C2	103+08.64	33.43' LT	625.27
C3	103+09.40	28.49' LT	625.23
C4	103+09.64	26.92' LT	624.90
D1	103+12.77	28.40'LT	(624.86)
E1	103+11.88	34.66' LT	625.04
E2	103+15.13	30.82' LT	624.96
E3	103+16.16	29.61' LT	624.97
F1	103+14.60	37.47' LT	625.06
F2	103+19.09	35.26' LT	625.04
F3	103+21.31	36.25' LT	625.05
G1	103+20.68	40.18' LT	(625.56)
G2	103+22.25	40.00' LT	(625.12)

POINT	STATION	OFFSET	ELEV
A1	103+49.15	40.00' LT	(625.18)
A2	103+50.73	40.00' LT	(625.24)
A3	103+62.62	41.30' LT	(625.37)
B1	103+49.41	38.58' LT	625.01
B2	103+49.87	34.63' LT	625.00
B3	103+55.81	37.60' LT	625.02
C1	103+53.77	29.28' LT	624.87
C2	103+54.75	30.53' LT	624.86
C3	103+57.89	34.57' LT	624.95
D1	103+55.89	28.15' LT	624.74
E1	103+62.58	28.33' LT	625.07
E2	103+62.58	33.33' LT	(625.10)
F1	103+67.58	26.75' LT	(624.78)
F2	103+67.58	28.33' LT	(625.10)
F3	103+67.58	33.33' LT	(625.20)



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

BLANCHAN AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–04

MODEL: Default
FILE NAME: \\60\Projects\171660\4_CADD\CADD_Sheets\D162F11-sht-detail-ada-004.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

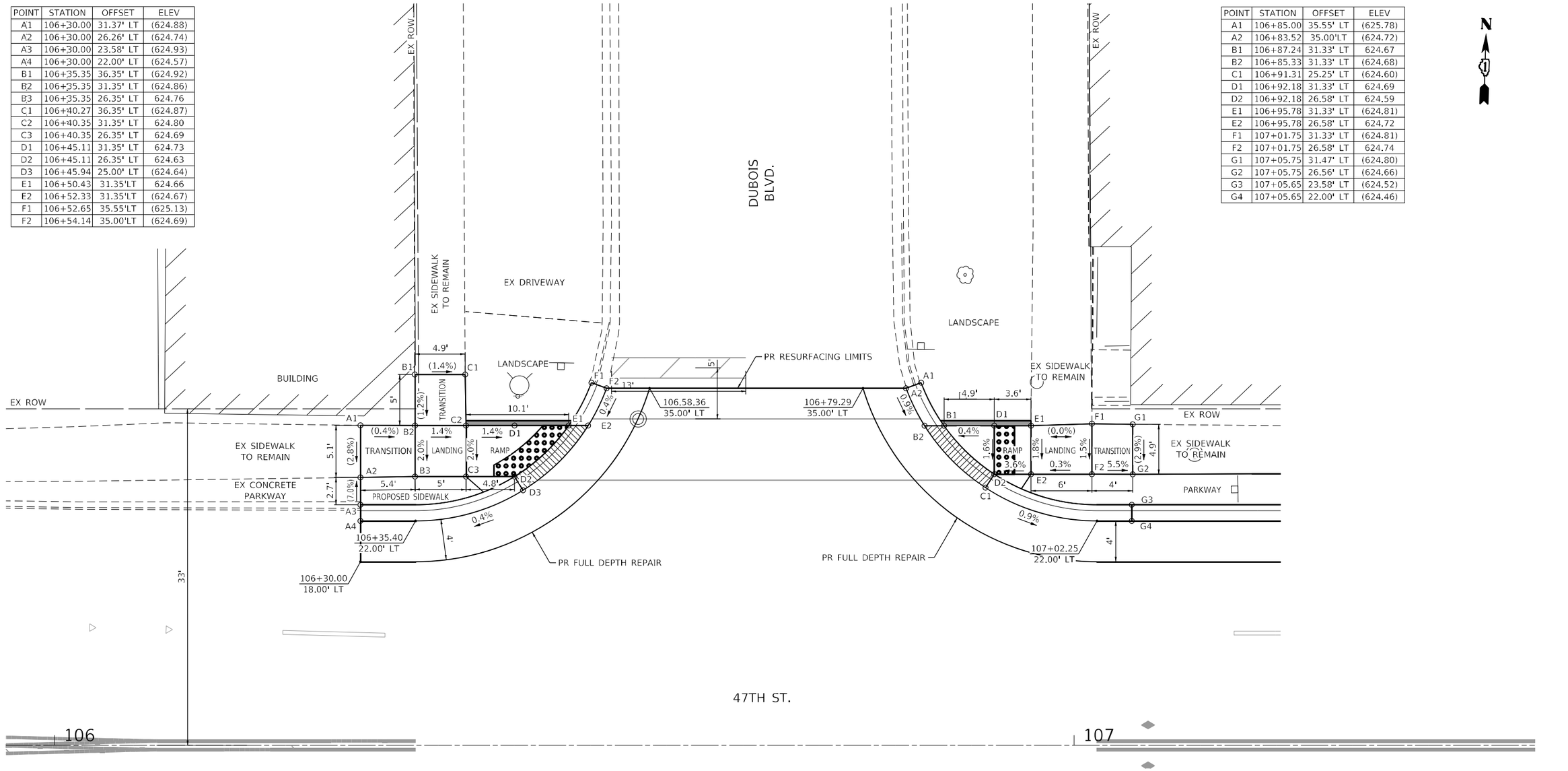
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 4 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	84
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

POINT	STATION	OFFSET	ELEV
A1	106+30.00	31.37' LT	(624.88)
A2	106+30.00	26.26' LT	(624.74)
A3	106+30.00	23.58' LT	(624.93)
A4	106+30.00	22.00' LT	(624.57)
B1	106+35.35	36.35' LT	(624.92)
B2	106+35.35	31.35' LT	(624.86)
B3	106+35.35	26.35' LT	624.76
C1	106+40.27	36.35' LT	(624.87)
C2	106+40.35	31.35' LT	624.80
C3	106+40.35	26.35' LT	624.69
D1	106+45.11	31.35' LT	624.73
D2	106+45.11	26.35' LT	624.63
D3	106+45.94	25.00' LT	(624.64)
E1	106+50.43	31.35'LT	624.66
E2	106+52.33	31.35'LT	(624.67)
F1	106+52.65	35.55'LT	(625.13)
F2	106+54.14	35.00'LT	(624.69)

POINT	STATION	OFFSET	ELEV
A1	106+85.00	35.55' LT	(625.78)
A2	106+83.52	35.00'LT	(624.72)
B1	106+87.24	31.33' LT	624.67
B2	106+85.33	31.33' LT	(624.68)
C1	106+91.31	25.25' LT	(624.60)
D1	106+92.18	31.33' LT	624.69
D2	106+92.18	26.58' LT	624.59
E1	106+95.78	31.33' LT	(624.81)
E2	106+95.78	26.58' LT	624.72
F1	107+01.75	31.33' LT	(624.81)
F2	107+01.75	26.58' LT	624.74
G1	107+05.75	31.47' LT	(624.80)
G2	107+05.75	26.56' LT	(624.66)
G3	107+05.65	23.58' LT	(624.52)
G4	107+05.65	22.00' LT	(624.46)



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

DUBOIS AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–05

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

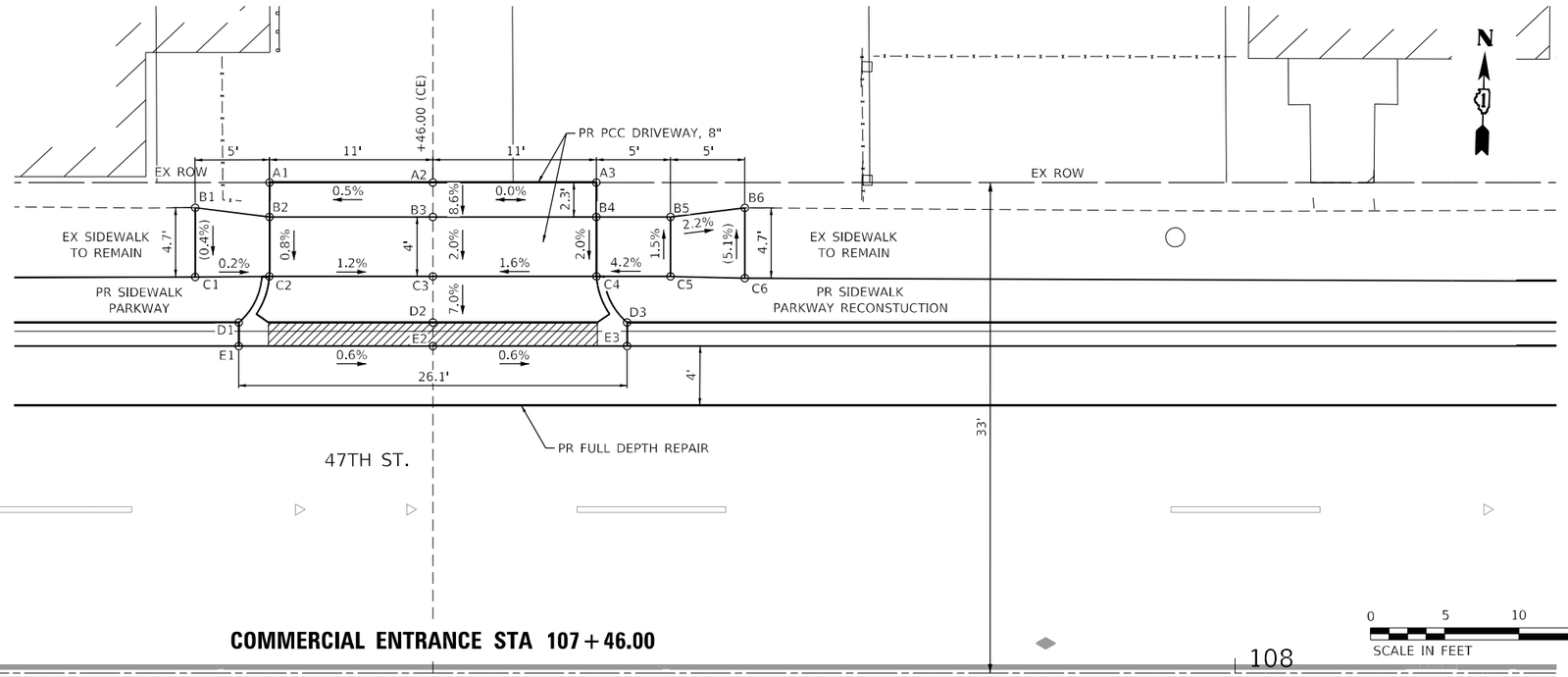
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 5 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	85
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\062f11-dtl-detail-ada-005.dgn

POINT	STATION	OFFSET	ELEV
A1	107+35.00	33.33' LT	(624.82)
A2	107+46.00	33.00' LT	(624.87)
A3	107+57.00	33.00' LT	(624.87)
B1	107+30.00	31.30' LT	(624.75)
B2	107+35.00	30.68' LT	(624.76)
B3	107+46.00	30.68' LT	624.67
B4	107+57.00	30.68' LT	624.85
B5	107+62.00	30.68' LT	624.92
B6	107+67.00	31.28' LT	(624.81)
C1	107+30.00	26.64' LT	(624.73)
C2	107+34.99	26.68' LT	624.72
C3	107+46.00	26.68' LT	624.59
C4	107+57.00	26.68' LT	624.77
C5	107+62.00	26.68' LT	624.98
C6	107+67.00	26.56' LT	(625.05)
D1	107+32.93	23.58' LT	624.45
D2	107+46.00	23.58' LT	624.37
D3	107+59.07	23.58' LT	624.29
E1	107+32.93	22.00' LT	624.39
E2	107+46.00	22.00' LT	624.31
E3	107+59.07	22.00' LT	624.23

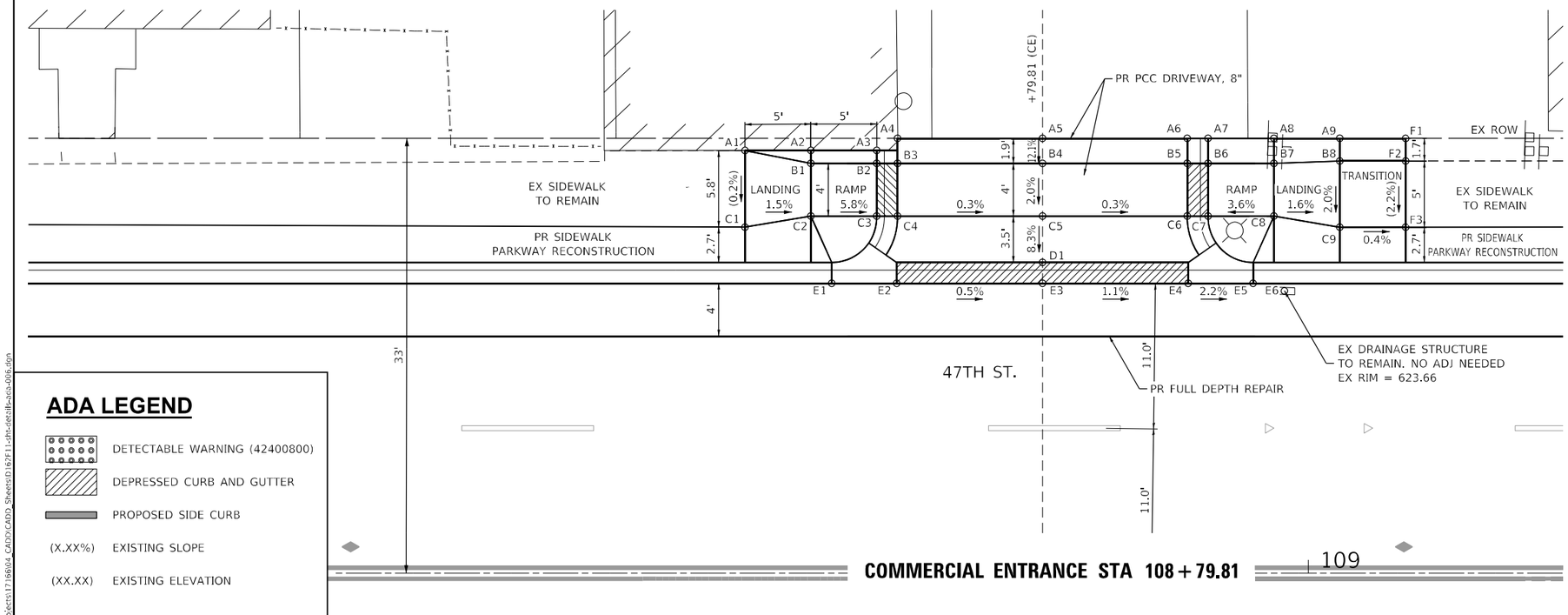


COMMERCIAL ENTRANCE STA 107+46.00

0 5 10 15
SCALE IN FEET

107

108



POINT	STATION	OFFSET	ELEV
A1	108+57.22	32.08' LT	(624.65)
A2	108+62.22	32.08' LT	(624.62)
A3	108+67.22	32.08' LT	(624.59)
A4	108+68.80	33.00' LT	(624.62)
A5	108+79.81	33.00' LT	(624.52)
A6	108+90.80	33.00' LT	(624.49)
A7	108+92.38	33.00' LT	(624.49)
A8	108+97.38	33.00' LT	(624.48)
A9	109+02.38	33.00' LT	(624.47)
B1	108+62.22	31.10' LT	624.60
B2	108+67.22	31.10' LT	624.31
B3	108+68.80	31.10' LT	624.32
B4	108+79.81	31.10' LT	624.29
B5	108+90.80	31.10' LT	624.26
B6	108+92.38	31.10' LT	624.25
B7	108+97.38	31.10' LT	624.38
B8	109+02.38	31.27' LT	(624.37)
C1	108+57.22	26.25' LT	(624.64)
C2	108+62.22	27.09' LT	(624.52)
C3	108+67.22	27.09' LT	624.23
C4	108+68.80	27.09' LT	624.24
C5	108+79.81	27.09' LT	624.21
C6	108+90.80	27.09' LT	624.18
C7	108+92.38	27.10' LT	624.17
C8	108+97.38	27.10' LT	(624.35)
C9	109+02.38	26.25' LT	624.27
D1	108+79.81	23.58' LT	623.92
E1	108+63.80	22.00' LT	(623.91)
E2	108+68.73	22.00' LT	(623.91)
E3	108+79.81	22.00' LT	623.86
E4	108+90.87	22.00' LT	623.74
E5	108+95.80	22.00' LT	623.72
E6	108+98.17	21.42' LT	(623.67)
F1	109+07.38	32.99' LT	(624.46)
F2	109+07.38	31.28' LT	(624.36)
F3	109+07.38	26.25' LT	(624.25)

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

COMMERCIAL ENTRANCE STA 108+79.81

0 5 10 15
SCALE IN FEET

109

ADA–06

MODEL: Default
FILE NAME: \\Kd1\Projects\171660\4_CADD\CADD_Sheets\D162F11-dht-detail-ada-006.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

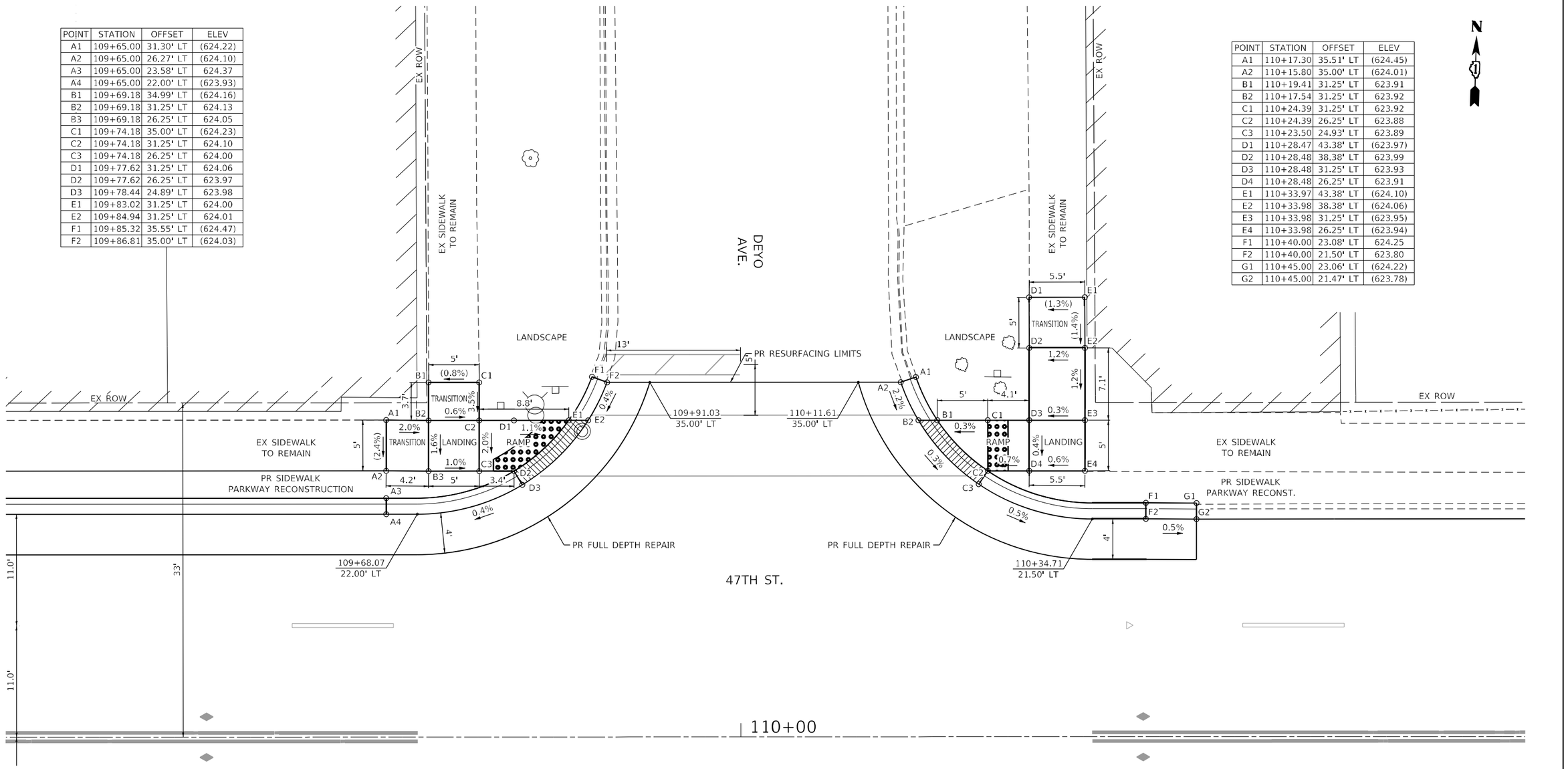
ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 6 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	86
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

POINT	STATION	OFFSET	ELEV
A1	109+65.00	31.30' LT	(624.22)
A2	109+65.00	26.27' LT	(624.10)
A3	109+65.00	23.58' LT	624.37
A4	109+65.00	22.00' LT	(623.93)
B1	109+69.18	34.99' LT	(624.16)
B2	109+69.18	31.25' LT	624.13
B3	109+69.18	26.25' LT	624.05
C1	109+74.18	35.00' LT	(624.23)
C2	109+74.18	31.25' LT	624.10
C3	109+74.18	26.25' LT	624.00
D1	109+77.62	31.25' LT	624.06
D2	109+77.62	26.25' LT	623.97
D3	109+78.44	24.89' LT	623.98
E1	109+83.02	31.25' LT	624.00
E2	109+84.94	31.25' LT	624.01
F1	109+85.32	35.55' LT	(624.47)
F2	109+86.81	35.00' LT	(624.03)

POINT	STATION	OFFSET	ELEV
A1	110+17.30	35.51' LT	(624.45)
A2	110+15.80	35.00' LT	(624.01)
B1	110+19.41	31.25' LT	623.91
B2	110+17.54	31.25' LT	623.92
C1	110+24.39	31.25' LT	623.92
C2	110+24.39	26.25' LT	623.88
C3	110+23.50	24.93' LT	623.89
D1	110+28.47	43.38' LT	(623.97)
D2	110+28.48	38.38' LT	623.99
D3	110+28.48	31.25' LT	623.93
D4	110+28.48	26.25' LT	623.91
E1	110+33.97	43.38' LT	(624.10)
E2	110+33.98	38.38' LT	(624.06)
E3	110+33.98	31.25' LT	(623.95)
E4	110+33.98	26.25' LT	(623.94)
F1	110+40.00	23.08' LT	624.25
F2	110+40.00	21.50' LT	623.80
G1	110+45.00	23.06' LT	(624.22)
G2	110+45.00	21.47' LT	(623.78)



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

DEYO AVE AT 47TH STREET

SCALE IN FEET: 0 5 10 15

ADA–07

MODEL: Default
FILE NAME: \\fs01\Projects\17166604_CADD\CADD_Sheets\D162F11-ctt-detdlr-ada-007.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

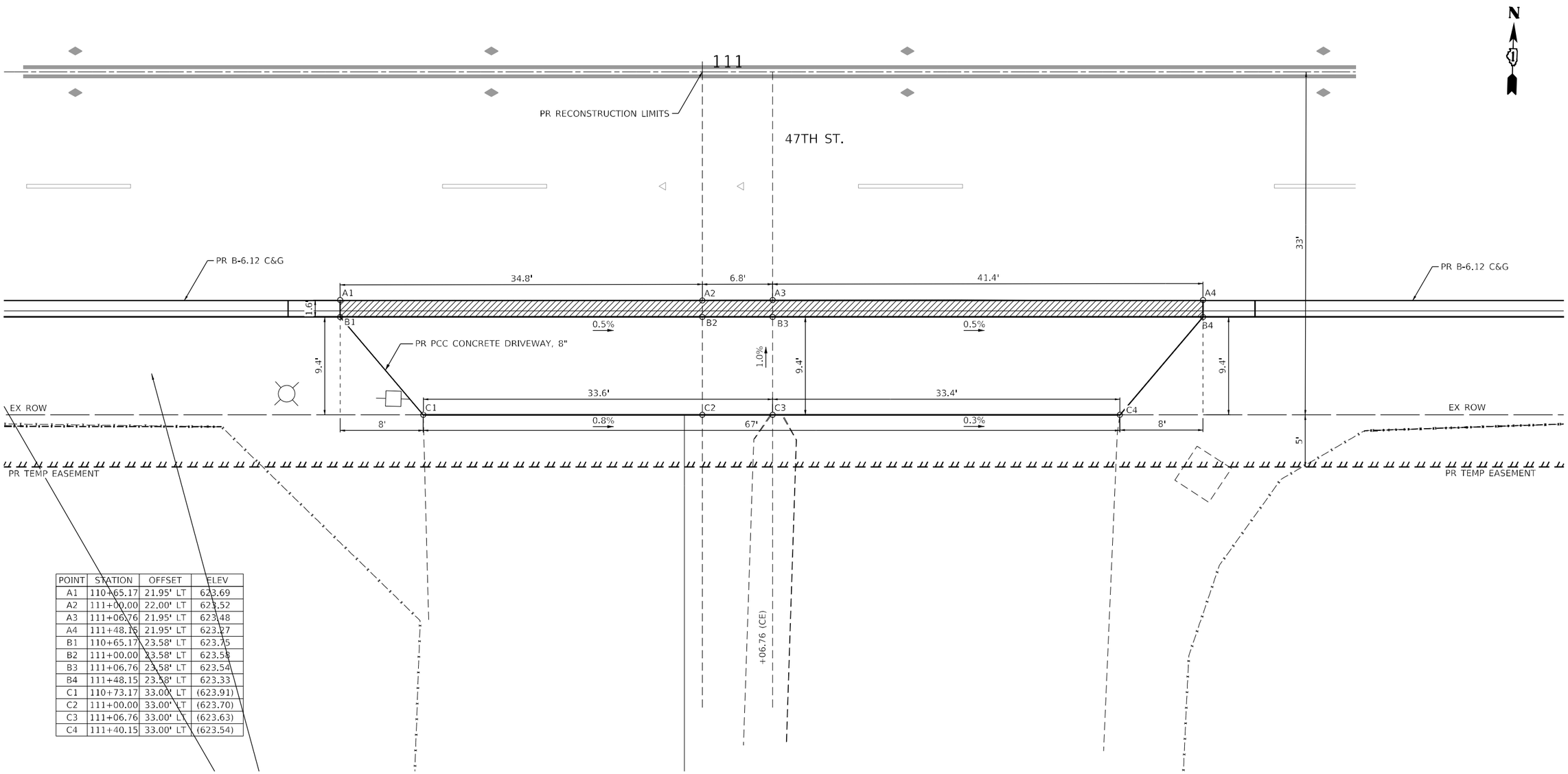
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 7 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	87
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		



POINT	STATION	OFFSET	ELEV
A1	110+65.17	21.95' LT	623.69
A2	111+00.00	22.00' LT	623.52
A3	111+06.76	21.95' LT	623.48
A4	111+48.15	21.95' LT	623.27
B1	110+65.17	23.58' LT	623.75
B2	111+00.00	23.58' LT	623.58
B3	111+06.76	23.58' LT	623.54
B4	111+48.15	23.58' LT	623.33
C1	110+73.17	33.00' LT	(623.91)
C2	111+00.00	33.00' LT	(623.70)
C3	111+06.76	33.00' LT	(623.63)
C4	111+40.15	33.00' LT	(623.54)

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

COMMERCIAL ENTRANCE STA 111+06.76

0 5 10 15
SCALE IN FEET

ADA–08

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D62F11-dht-detail-ada-008.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonovska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

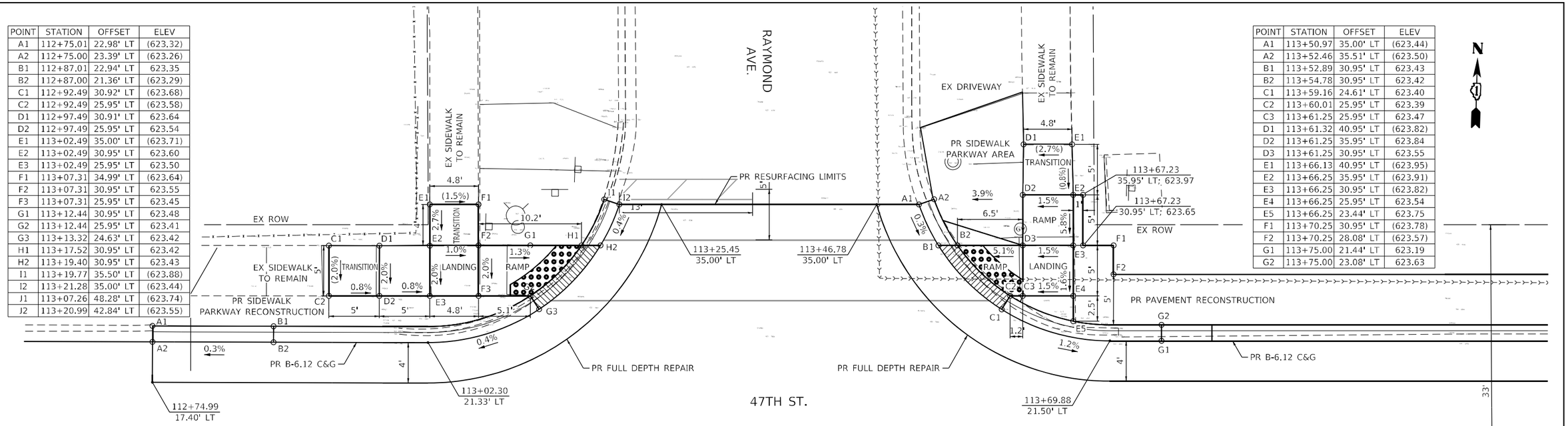
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 08 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	88
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

POINT	STATION	OFFSET	ELEV
A1	112+75.01	22.98' LT	(623.32)
A2	112+75.00	23.39' LT	(623.26)
B1	112+87.01	22.94' LT	623.35
B2	112+87.00	21.36' LT	(623.29)
C1	112+92.49	30.92' LT	(623.68)
C2	112+92.49	25.95' LT	(623.58)
D1	112+97.49	30.91' LT	623.64
D2	112+97.49	25.95' LT	623.54
E1	113+02.49	35.00' LT	(623.71)
E2	113+02.49	30.95' LT	623.60
E3	113+02.49	25.95' LT	623.50
F1	113+07.31	34.99' LT	(623.64)
F2	113+07.31	30.95' LT	623.55
F3	113+07.31	25.95' LT	623.45
G1	113+12.44	30.95' LT	623.48
G2	113+12.44	25.95' LT	623.41
G3	113+13.32	24.63' LT	623.42
H1	113+17.52	30.95' LT	623.42
H2	113+19.40	30.95' LT	623.43
I1	113+19.77	35.50' LT	(623.88)
I2	113+21.28	35.00' LT	(623.44)
J1	113+07.26	48.28' LT	(623.74)
J2	113+20.99	42.84' LT	(623.55)

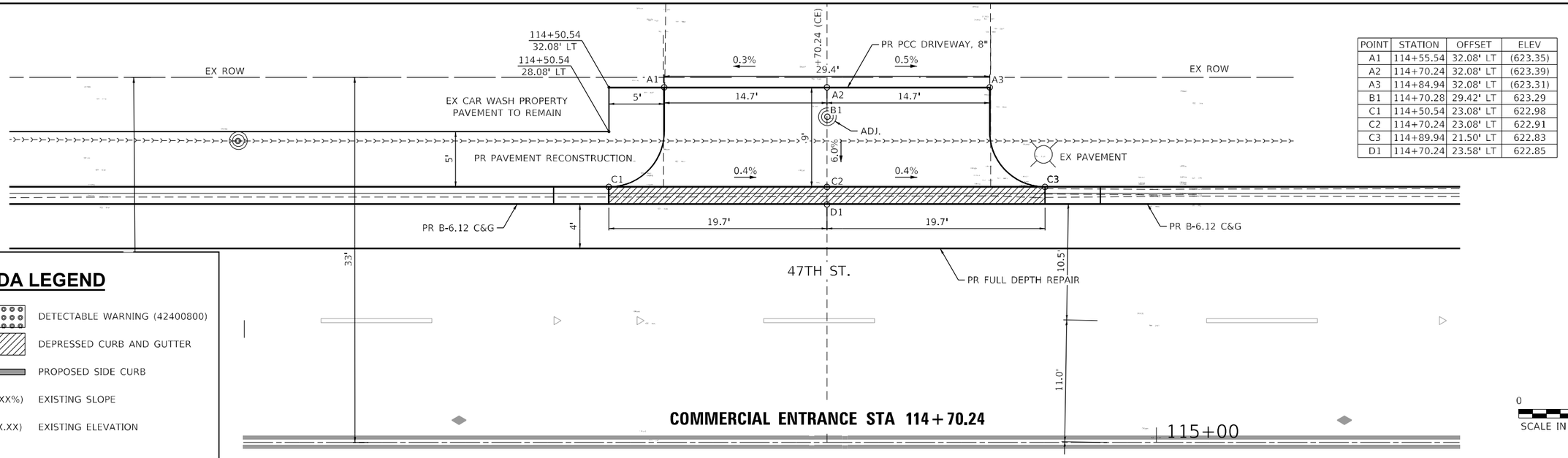


POINT	STATION	OFFSET	ELEV
A1	113+50.97	35.00' LT	(623.44)
A2	113+52.46	35.51' LT	(623.50)
B1	113+52.89	30.95' LT	623.43
B2	113+54.78	30.95' LT	623.42
C1	113+59.16	24.61' LT	623.40
C2	113+60.01	25.95' LT	623.39
C3	113+61.25	25.95' LT	623.47
D1	113+61.32	40.95' LT	(623.82)
D2	113+61.25	35.95' LT	623.84
D3	113+61.25	30.95' LT	623.55
E1	113+66.13	40.95' LT	(623.95)
E2	113+66.25	35.95' LT	(623.91)
E3	113+66.25	30.95' LT	(623.82)
E4	113+66.25	25.95' LT	623.54
E5	113+66.25	23.44' LT	623.75
F1	113+70.25	30.95' LT	(623.78)
F2	113+70.25	28.08' LT	(623.57)
G1	113+75.00	21.44' LT	623.19
G2	113+75.00	23.08' LT	623.63

RAYMOND AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

113 114



POINT	STATION	OFFSET	ELEV
A1	114+55.54	32.08' LT	(623.35)
A2	114+70.24	32.08' LT	(623.39)
A3	114+84.94	32.08' LT	(623.31)
B1	114+70.28	29.42' LT	623.29
C1	114+50.54	23.08' LT	622.98
C2	114+70.24	23.08' LT	622.91
C3	114+89.94	21.50' LT	622.83
D1	114+70.24	23.58' LT	622.85

COMMERCIAL ENTRANCE STA 114+70.24

115+00

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

ADA–09

MODEL: Default
FILE NAME: \\fs01\Projects\1716604_CAD\CADD_Sheets\D162F11-ada-detail-ada-009.dgn

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

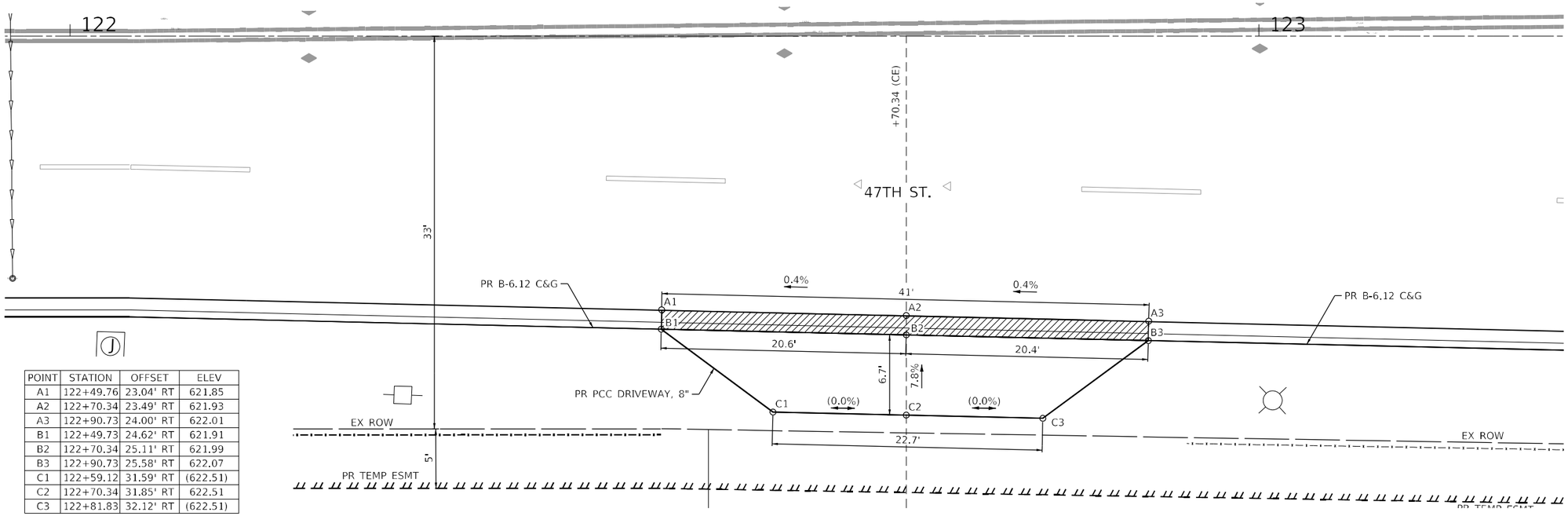
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

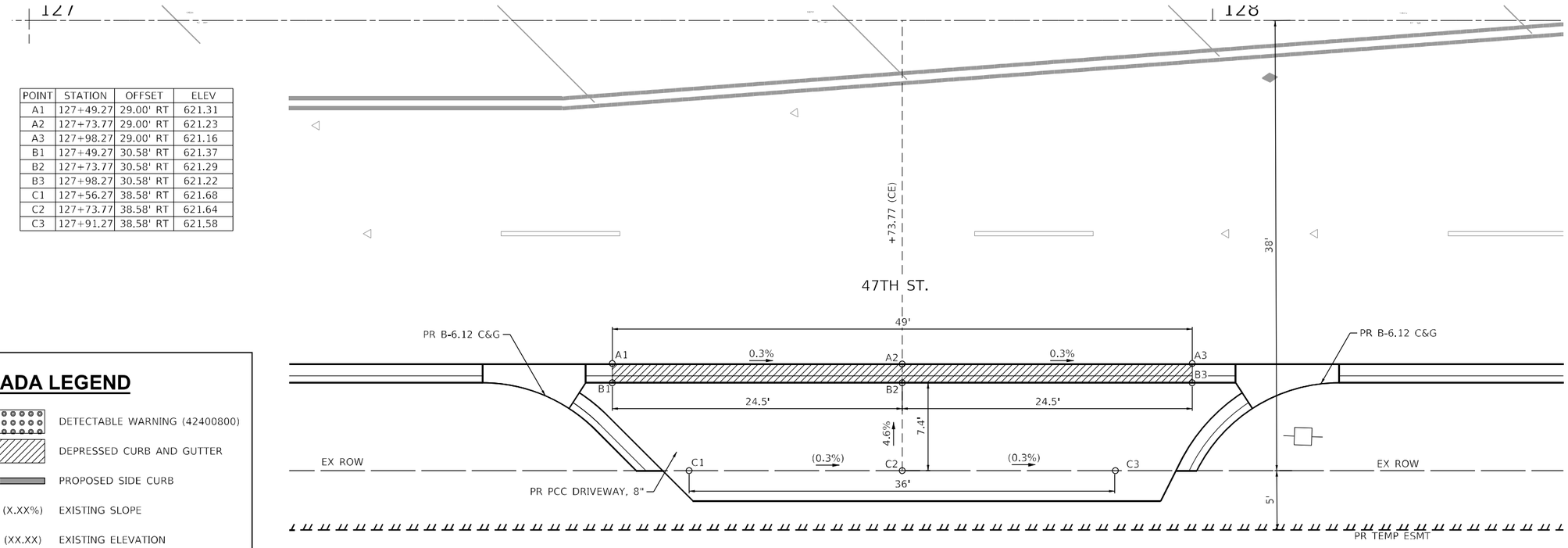
SCALE: 1"=5' | SHEET 9 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	89
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



POINT	STATION	OFFSET	ELEV
A1	122+49.76	23.04' RT	621.85
A2	122+70.34	23.49' RT	621.93
A3	122+90.73	24.00' RT	622.01
B1	122+49.73	24.62' RT	621.91
B2	122+70.34	25.11' RT	621.99
B3	122+90.73	25.58' RT	622.07
C1	122+59.12	31.59' RT	(622.51)
C2	122+70.34	31.85' RT	622.51
C3	122+81.83	32.12' RT	(622.51)

COMMERCIAL ENTRANCE STA 122+70.34



POINT	STATION	OFFSET	ELEV
A1	127+49.27	29.00' RT	621.31
A2	127+73.77	29.00' RT	621.23
A3	127+98.27	29.00' RT	621.16
B1	127+49.27	30.58' RT	621.37
B2	127+73.77	30.58' RT	621.29
B3	127+98.27	30.58' RT	621.22
C1	127+56.27	38.58' RT	621.68
C2	127+73.77	38.58' RT	621.64
C3	127+91.27	38.58' RT	621.58

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

COMMERCIAL ENTRANCE STA 127+73.77

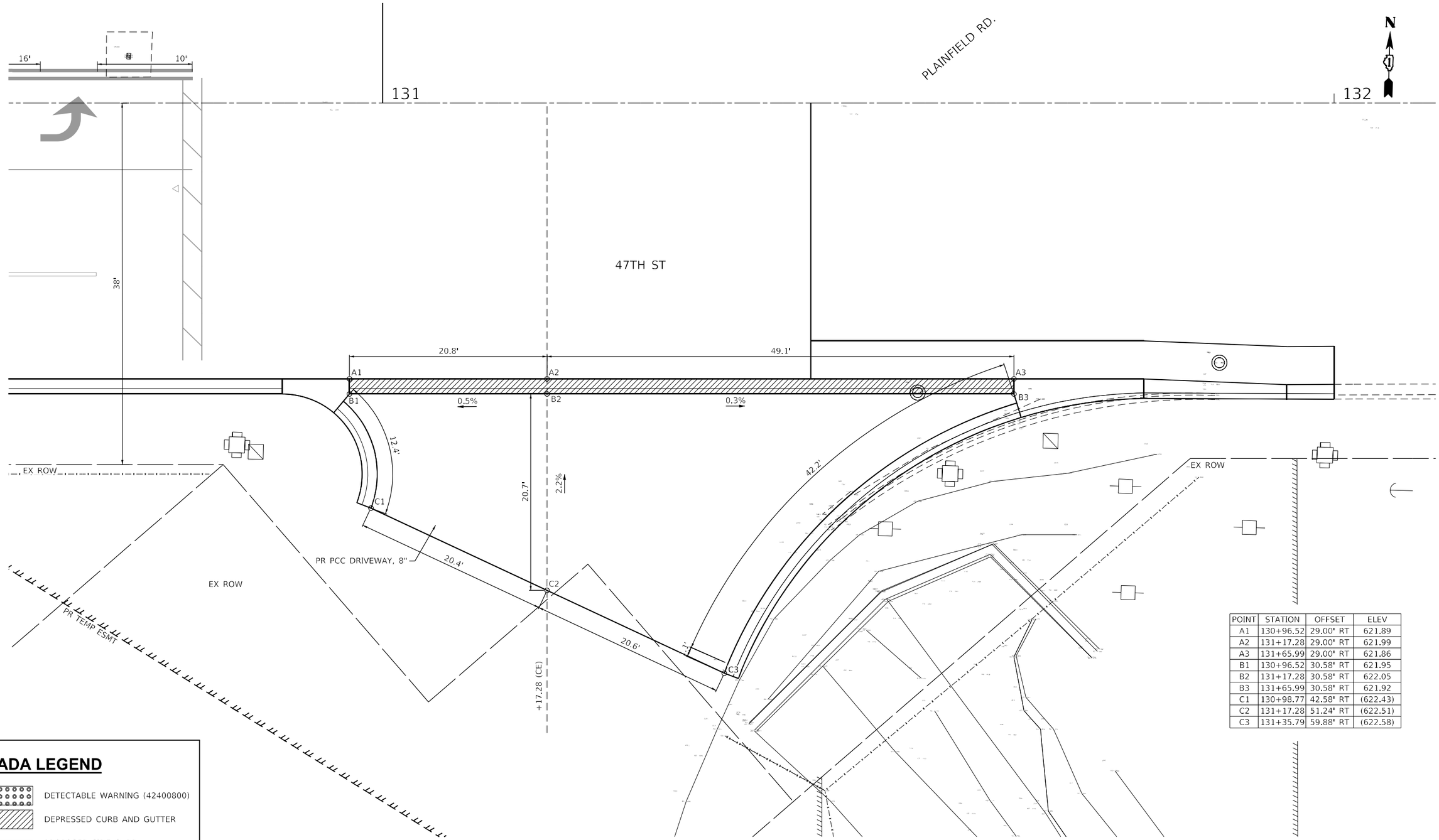
ADA–10

MODEL: Default
FILE NAME: \\Sgl1\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-detail-ada-010.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS
	DRAWN - TS	REVISED -		
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: 1"=5' | SHEET 10 OF 17 SHEETS | STA. | TO STA.
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	90
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



POINT	STATION	OFFSET	ELEV
A1	130+96.52	29.00' RT	621.89
A2	131+17.28	29.00' RT	621.99
A3	131+65.99	29.00' RT	621.86
B1	130+96.52	30.58' RT	621.95
B2	131+17.28	30.58' RT	622.05
B3	131+65.99	30.58' RT	621.92
C1	130+98.77	42.58' RT	(622.43)
C2	131+17.28	51.24' RT	(622.51)
C3	131+35.79	59.88' RT	(622.58)

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

COMMERCIAL ENTRANCE STA. 131+17.28

ADA–11

MODEL: Default
FILE NAME: \\fg1\Projects\176604_CADD\CADD Sheets\D 162F11 ill-dot-ifb-ada-011.dgn

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

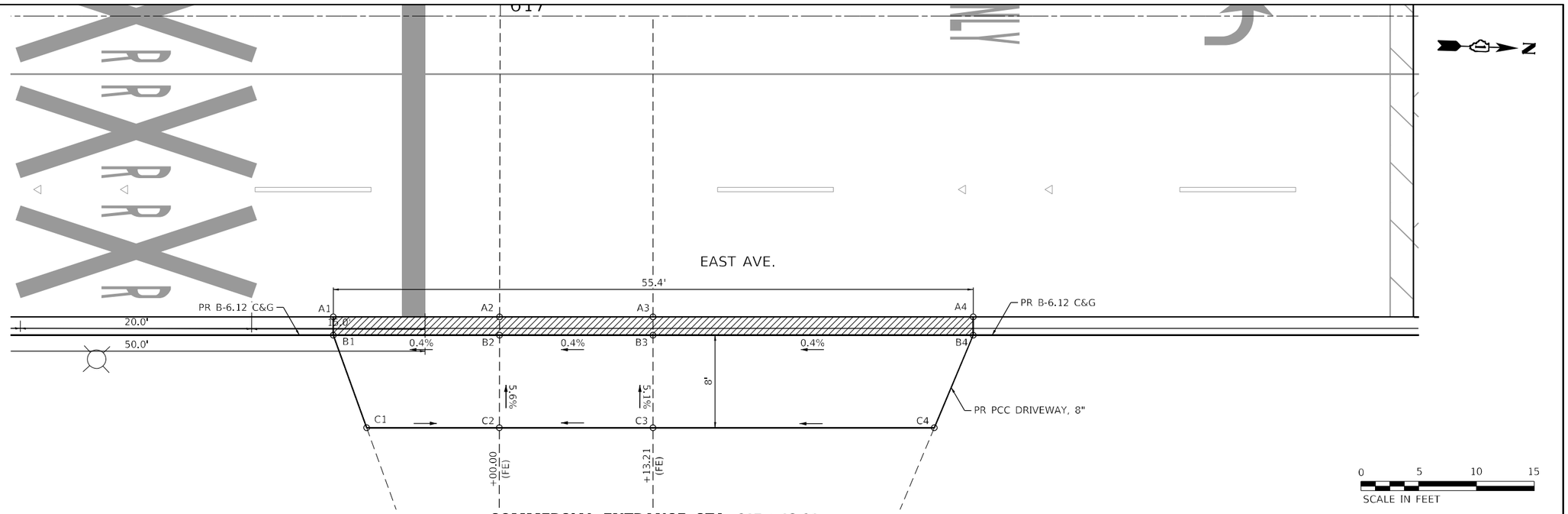
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 11 OF 17 SHEETS | STA. | TO STA.

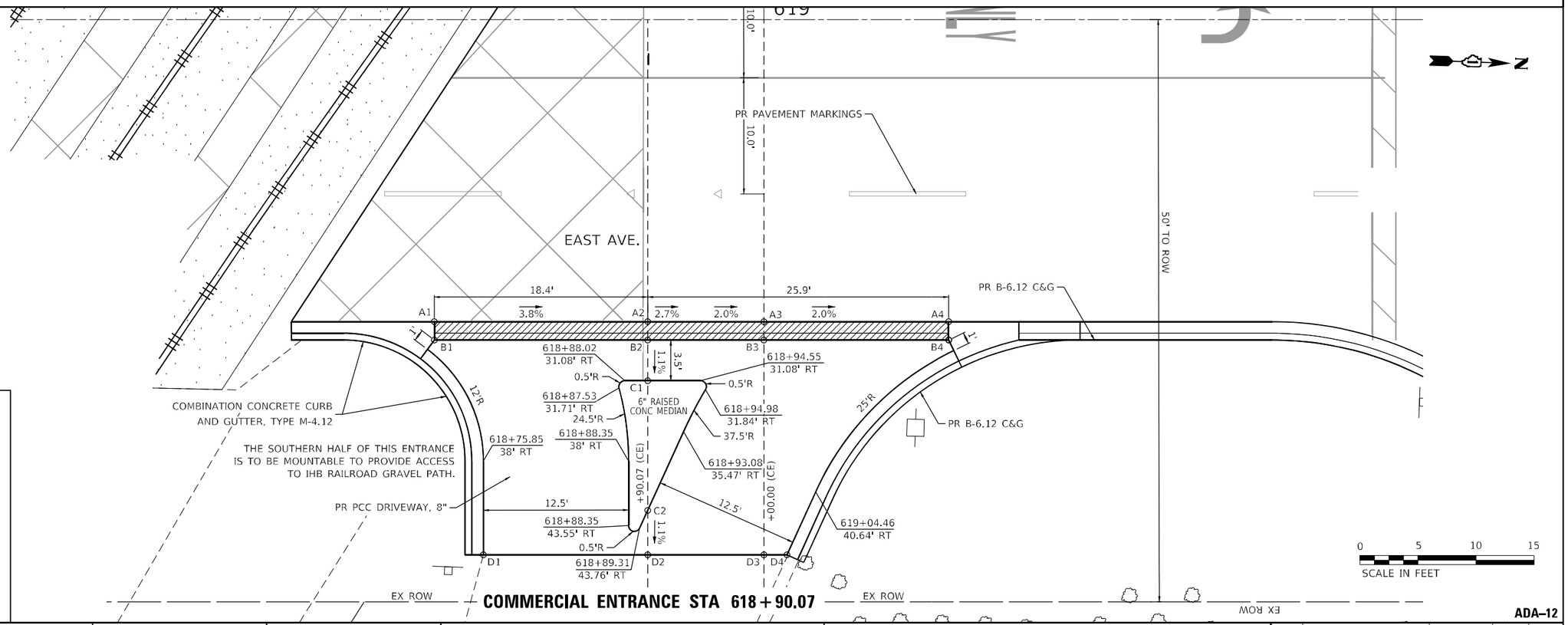
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	91
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

POINT	STATION	OFFSET	ELEV
A1	616+85.55	616+85.55	629.38
A2	616+99.94	616+99.94	629.43
A3	617+13.21	617+13.21	629.48
A4	617+40.92	617+40.92	629.59
B1	616+85.55	616+85.55	629.44
B2	616+99.94	616+99.94	629.49
B3	617+13.21	617+13.21	629.54
B4	617+40.92	617+40.92	629.65
C1	616+88.44	616+88.44	(630.15)
C2	616+99.92	616+99.92	(629.94)
C3	617+13.21	617+13.21	(629.95)
C4	617+37.55	617+37.55	(630.18)



COMMERCIAL ENTRANCE STA 617+13.21

POINT	STATION	OFFSET	ELEV
A1	618+71.63	26.00' RT	629.81
A2	618+90.00	26.00' RT	629.10
A3	619+00.00	26.00' RT	628.84
A4	619+15.92	26.00' RT	628.56
B1	618+71.63	27.58' RT	629.87
B2	618+90.00	27.58' RT	629.16
B3	619+00.00	27.58' RT	628.90
B4	619+15.92	27.58' RT	628.62
C1	618+90.00	31.08' RT	629.12
C2	618+90.00	42.45' RT	628.99
D1	618+75.85	46.07' RT	(628.96)
D2	618+90.00	46.07' RT	(628.95)
D3	619+00.00	46.07' RT	(628.90)
D4	619+01.99	46.07' RT	(628.97)



COMMERCIAL ENTRANCE STA 618+90.07

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

ADA–12

MODEL: Default
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

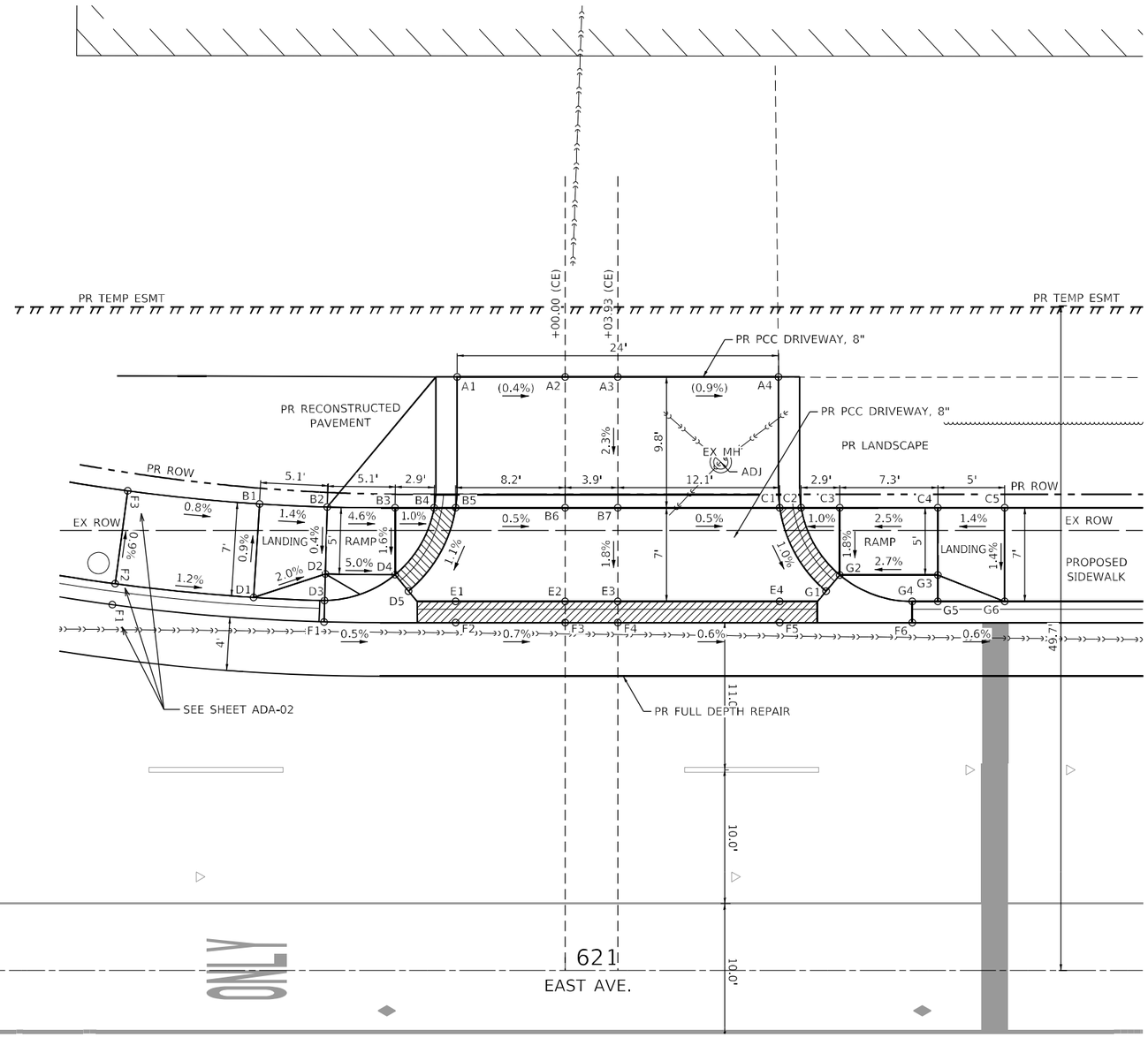
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 12 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	92
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



POINT	STATION	OFFSET	ELEV
A1	620+91.93	44.35' LT	(627.93)
A2	621+00.00	44.35' LT	(626.89)
A3	621+03.93	44.35' LT	(626.88)
A4	621+15.93	44.35' LT	(626.77)
B1	620+77.18	34.87' LT	627.00
B2	620+82.23	34.63' LT	626.93
B3	620+87.30	34.58' LT	626.73
B4	620+90.22	34.58' LT	626.71
B5	620+91.82	34.58' LT	626.72
B6	621+00.00	34.58' LT	626.68
B7	621+03.93	34.58' LT	626.66
C1	621+16.03	34.58' LT	626.60
C2	621+17.64	34.58' LT	626.59
C3	621+20.51	34.58' LT	626.61
C4	621+27.84	34.58' LT	626.79
C5	621+32.84	34.58' LT	626.86
D1	620+76.73	27.88' LT	627.02
D2	620+82.09	29.64' LT	626.91
D3	620+82.04	27.64' LT	627.05
D4	620+87.30	29.58' LT	626.65
D5	620+88.30	28.35' LT	626.64
E1	620+88.94	27.58' LT	626.62
E2	621+00.00	27.58' LT	626.55
E3	621+03.93	27.58' LT	626.53
E4	621+15.29	27.58' LT	626.47
F1	620+81.99	26.05' LT	626.61
F2	620+91.82	25.99' LT	626.56
F3	621+00.00	26.00' LT	626.49
F4	621+03.93	26.00' LT	626.47
F5	621+16.03	26.00' LT	626.41
F6	621+25.93	26.00' LT	626.39
G1	621+19.50	28.34' LT	626.53
G2	621+20.51	29.55' LT	626.52
G3	621+27.84	29.55' LT	626.72
G4	621+25.93	27.58' LT	626.79
G5	621+27.84	27.58' LT	626.78
G6	621+32.84	27.58' LT	626.70

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

COMMERCIAL ENTRANCE STA 621+03.93

ADA–13

MODEL: Default
FILE NAME: \\fs01\Projects\17166604_CADD\CADD Sheets\D162F11-ctt-detail-ada-013.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

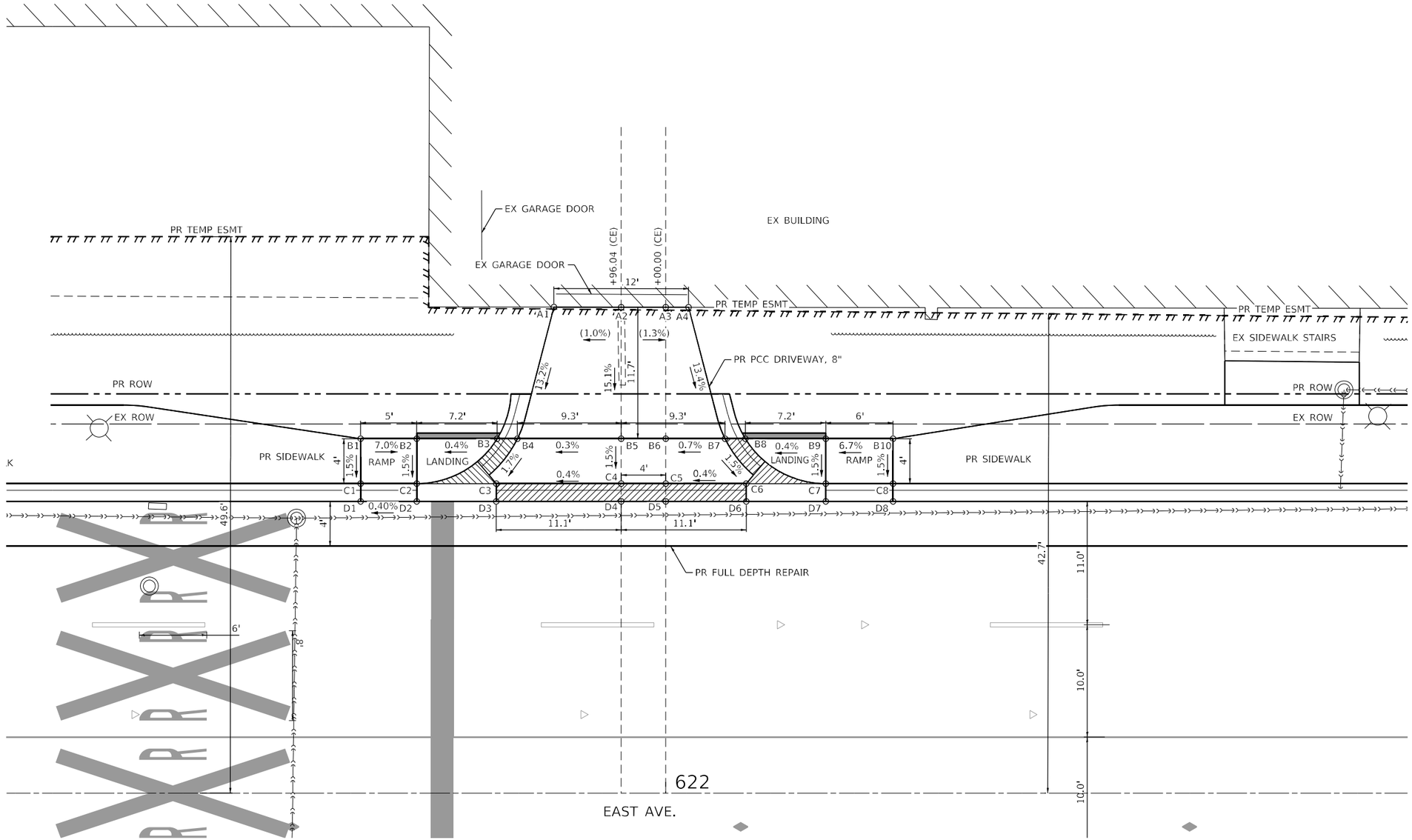
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 13 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	93
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		



POINT	STATION	OFFSET	ELEV
A1	621+90.04	43.31' LT	(628.28)
A2	621+96.04	43.29' LT	(628.32)
A3	622+00.00	43.29' LT	(628.34)
A4	622+02.04	43.29' LT	(628.24)
B1	621+72.82	31.58' LT	626.83
B2	621+77.82	31.58' LT	626.48
B3	621+84.98	31.58' LT	626.51
B4	621+86.79	31.58' LT	626.52
B5	621+96.04	31.58' LT	626.55
B6	622+00.00	31.58' LT	626.57
B7	622+05.29	31.58' LT	626.61
B8	622+07.10	31.58' LT	626.60
B9	622+14.26	31.58' LT	626.63
B10	622+20.26	31.58' LT	627.03
C1	621+72.82	27.58' LT	626.77
C2	621+77.82	27.58' LT	626.41
C3	621+84.90	27.58' LT	626.44
C4	621+96.04	27.58' LT	626.49
C5	622+00.00	27.58' LT	626.51
C6	622+07.18	27.58' LT	626.54
C7	622+14.26	27.58' LT	626.57
C8	622+20.26	27.58' LT	626.97
D1	621+72.82	26.00' LT	626.33
D2	621+77.82	26.00' LT	626.35
D3	621+84.90	26.00' LT	626.38
D4	621+96.04	26.00' LT	626.43
D5	622+00.00	26.00' LT	626.45
D6	622+07.18	26.00' LT	626.48
D7	622+14.26	26.00' LT	626.51
D8	622+20.26	26.00' LT	626.53

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

COMMERCIAL ENTRANCE STA. 621 + 96.04

ADA–14

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D 62F11-cht-detail-ada-014.dgn

SINGH + ASSOCIATES, INC.
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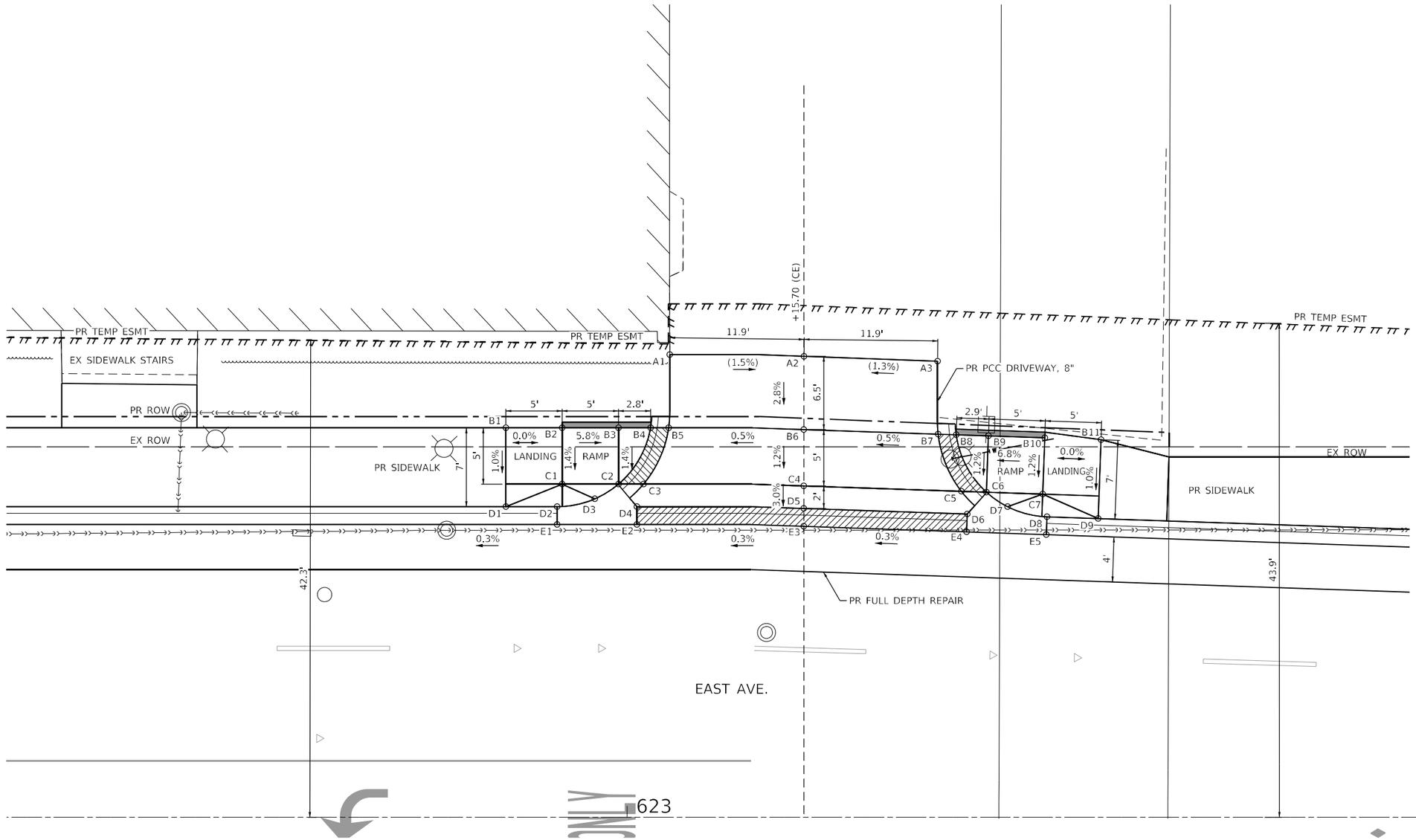
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 14 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	94
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



POINT	STATION	OFFSET	ELEV
A1	623+03.78	41.08' LT	(627.02)
A2	623+15.70	40.93' LT	(626.84)
A3	623+27.55	40.49' LT	(626.99)
B1	622+89.23	34.58' LT	626.90
B2	622+94.23	34.58' LT	626.90
B3	622+99.23	34.58' LT	626.61
B4	623+02.08	34.58' LT	626.58
B5	623+03.68	34.58' LT	626.59
B6	623+15.70	34.42' LT	626.66
B7	623+27.61	34.01' LT	626.72
B8	623+29.21	33.96' LT	626.71
B9	623+32.06	33.86' LT	626.71
B10	623+37.07	33.69' LT	627.05
B11	623+42.07	33.52' LT	(627.05)
C1	622+94.23	29.58' LT	626.84
C2	622+99.23	29.58' LT	626.54
C3	623+01.45	29.58' LT	626.55
C4	623+15.70	29.42' LT	626.60
C5	623+29.67	28.94' LT	626.66
C6	623+31.89	28.86' LT	626.65
C7	623+36.89	28.69' LT	626.99
D1	622+89.23	27.58' LT	626.83
D2	622+93.78	27.58' LT	626.85
D3	622+97.13	28.27' LT	626.70
D4	623+00.87	27.58' LT	626.49
D5	623+15.70	27.42' LT	626.54
D6	623+30.19	26.92' LT	626.59
D7	623+33.76	27.58' LT	626.65
D8	623+37.26	26.68' LT	626.99
D9	623+41.81	26.52' LT	626.98
E1	622+93.78	26.00' LT	626.41
E2	623+00.87	26.00' LT	626.43
E3	623+15.70	25.83' LT	626.48
E4	623+30.13	25.34' LT	626.53
E5	623+37.21	25.10' LT	626.55

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

0 5 10 15
SCALE IN FEET

COMMERCIAL ENTRANCE STA 623+15.70

ADA–15

MODEL: Default
FILE NAME: \\fs01\Projects\171660\4_CADD\CADD_Sheets\D62F11-dht-detail-ada-015.dgn

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CONSULTING ENGINEERS

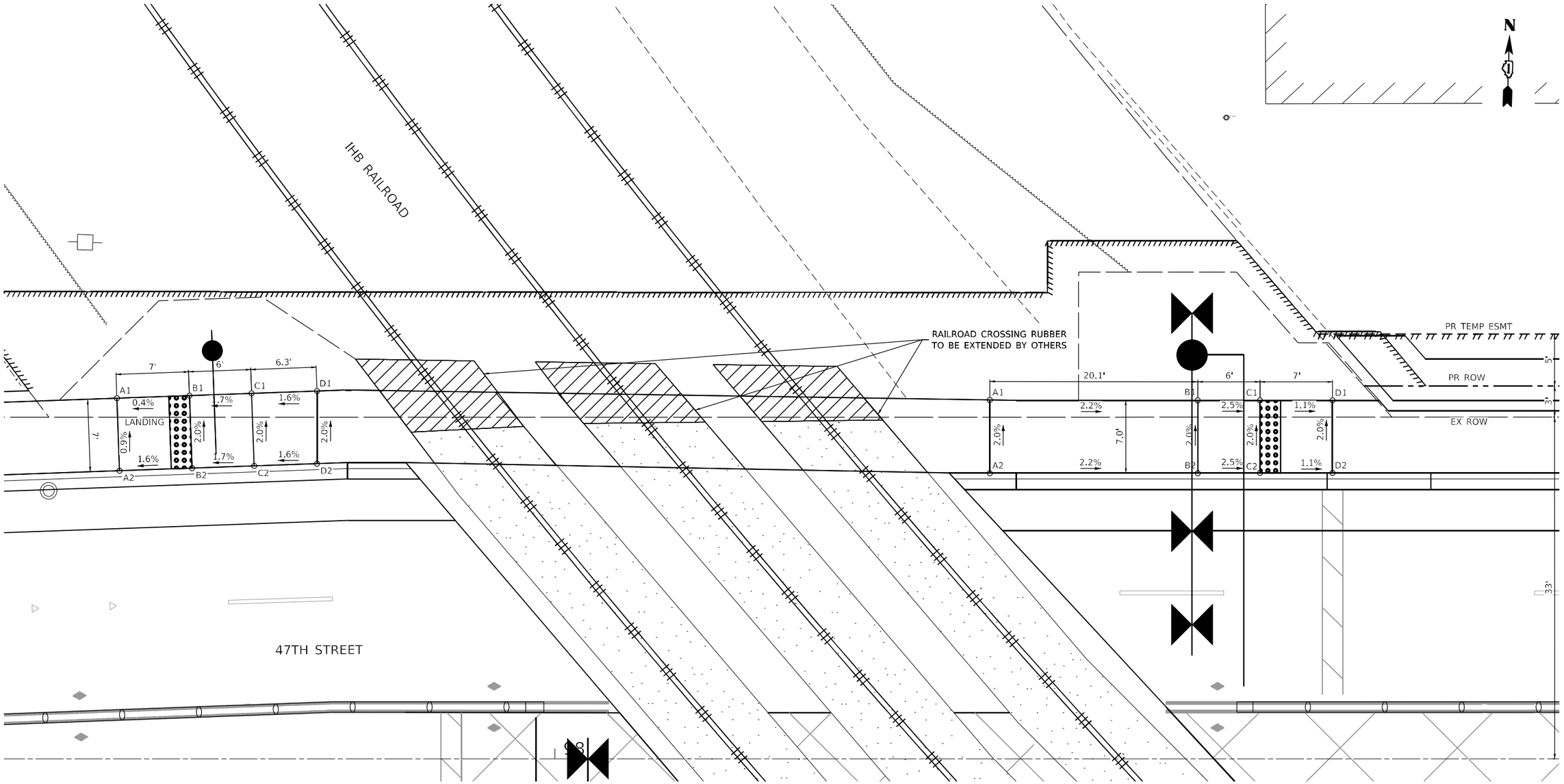
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 15 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	95
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

POINT	STATION	OFFSET	ELEV
A1	97+57.75	34.79' LT	630.65
A2	97+58.00	27.80' LT	(630.71)
B1	97+64.75	35.04' LT	630.68
B2	97+65.00	28.05' LT	(630.82)
C1	97+70.74	35.26' LT	630.78
C2	97+70.99	28.26' LT	(630.92)
D1	97+77.06	35.48' LT	630.88
D2	97+77.06	28.48' LT	(631.02)

POINT	STATION	OFFSET	ELEV
A1	98+41.94	34.62' LT	630.31
A2	98+41.94	27.58' LT	(630.45)
B1	98+62.00	34.58' LT	629.86
B2	98+62.00	27.58' LT	(630.00)
C1	98+68.00	34.58' LT	629.71
C2	98+68.00	27.58' LT	(629.85)
D1	98+75.00	34.58' LT	629.63
D2	98+75.00	27.58' LT	(629.77)

IHB RAILROAD AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–16

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD Sheets\D 62F11-sht-details-ada-016.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -

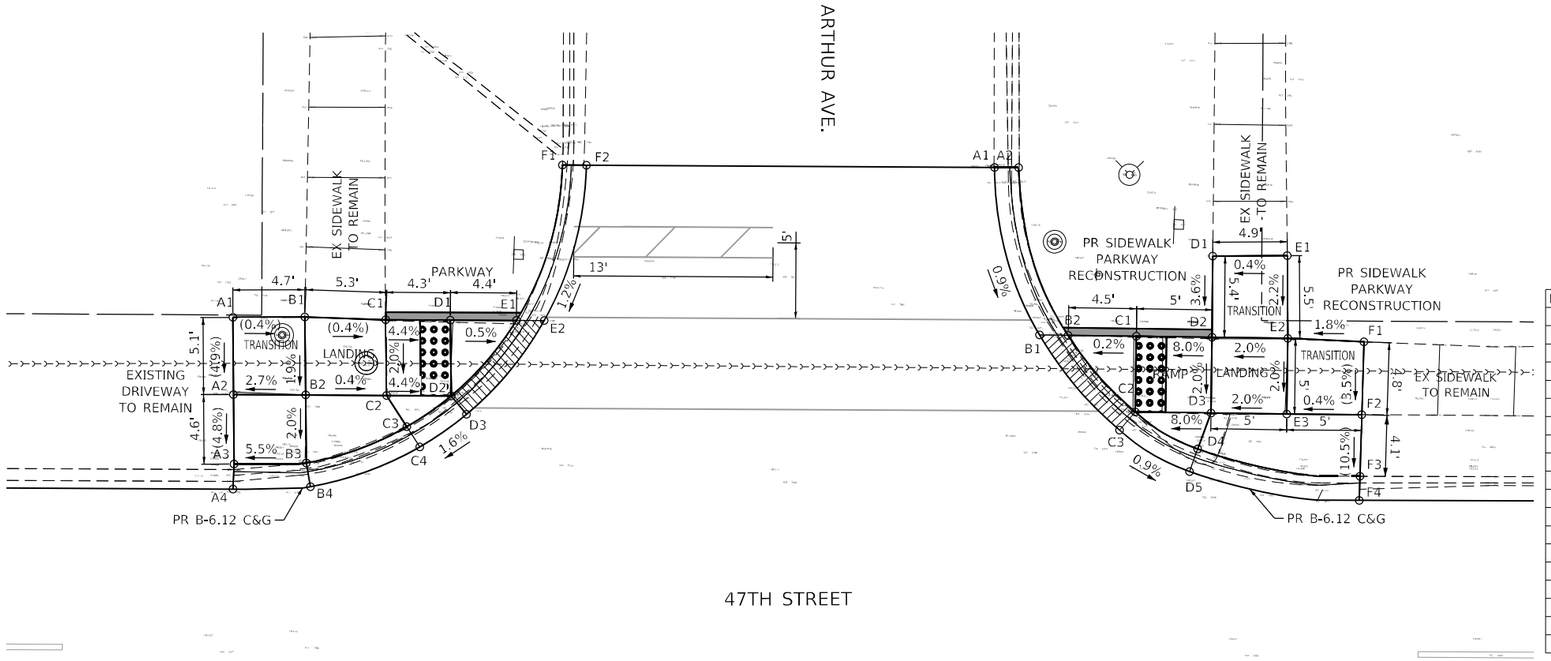
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 16 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	96
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

POINT	STATION	OFFSET	ELEV
A1	119+65.70	32.84' LT	(622.92)
A2	119+65.76	27.74' LT	(622.67)
A3	119+65.82	23.15' LT	(622.45)
A4	119+65.77	21.50' LT	(622.36)
B1	119+70.45	32.89' LT	(622.90)
B2	119+70.53	27.74' LT	622.80
B3	119+70.60	23.24' LT	622.71
B4	119+70.88	21.69' LT	(622.45)
C1	119+75.79	32.73' LT	(622.88)
C2	119+75.87	27.73' LT	622.78
C3	119+77.21	25.67' LT	622.70
C4	119+78.08	24.35' LT	(622.50)
D1	119+80.06	32.73' LT	622.69
D2	119+80.14	27.73' LT	622.59
D3	119+81.16	26.52' LT	622.56
E1	119+84.42	32.73' LT	(622.67)
E2	119+86.25	32.73' LT	(622.64)
F1	119+87.40	42.98' LT	(622.83)
F2	119+88.98	43.00' LT	(622.82)



POINT	STATION	OFFSET	ELEV
A1	120+15.93	43.00' LT	(622.75)
A2	120+17.51	43.00' LT	(622.93)
B1	120+18.95	31.96' LT	(622.61)
B2	120+20.84	31.95' LT	622.62
C1	120+25.34	31.91' LT	622.63
C2	120+25.30	26.91' LT	622.53
C3	120+24.27	25.70' LT	(622.52)
D1	120+30.36	37.22' LT	(623.23)
D2	120+30.34	31.87' LT	623.03
D3	120+30.30	26.87' LT	622.93
D4	120+29.44	24.49' LT	622.82
D5	120+28.90	23.00' LT	(622.45)
E1	120+35.28	37.29' LT	(623.25)
E2	120+35.28	37.29' LT	623.13
E3	120+35.30	26.82' LT	623.03
F1	120+40.37	31.62' LT	(623.22)
F2	120+40.25	26.82' LT	(623.05)
F3	120+40.15	22.75' LT	(622.62)
F4	120+40.12	21.15' LT	(622.39)

ADA LEGEND

- DETECTABLE WARNING (42400800)
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- (X.XX%) EXISTING SLOPE
- (XX.XX) EXISTING ELEVATION

ARTHUR AVE AT 47TH STREET

0 5 10 15
SCALE IN FEET

ADA–17

MODEL: Default
FILE NAME: \\G01\Projects\17166\04_CADD\CADD_Sheets\D 62F11-sht-details-ada-017.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

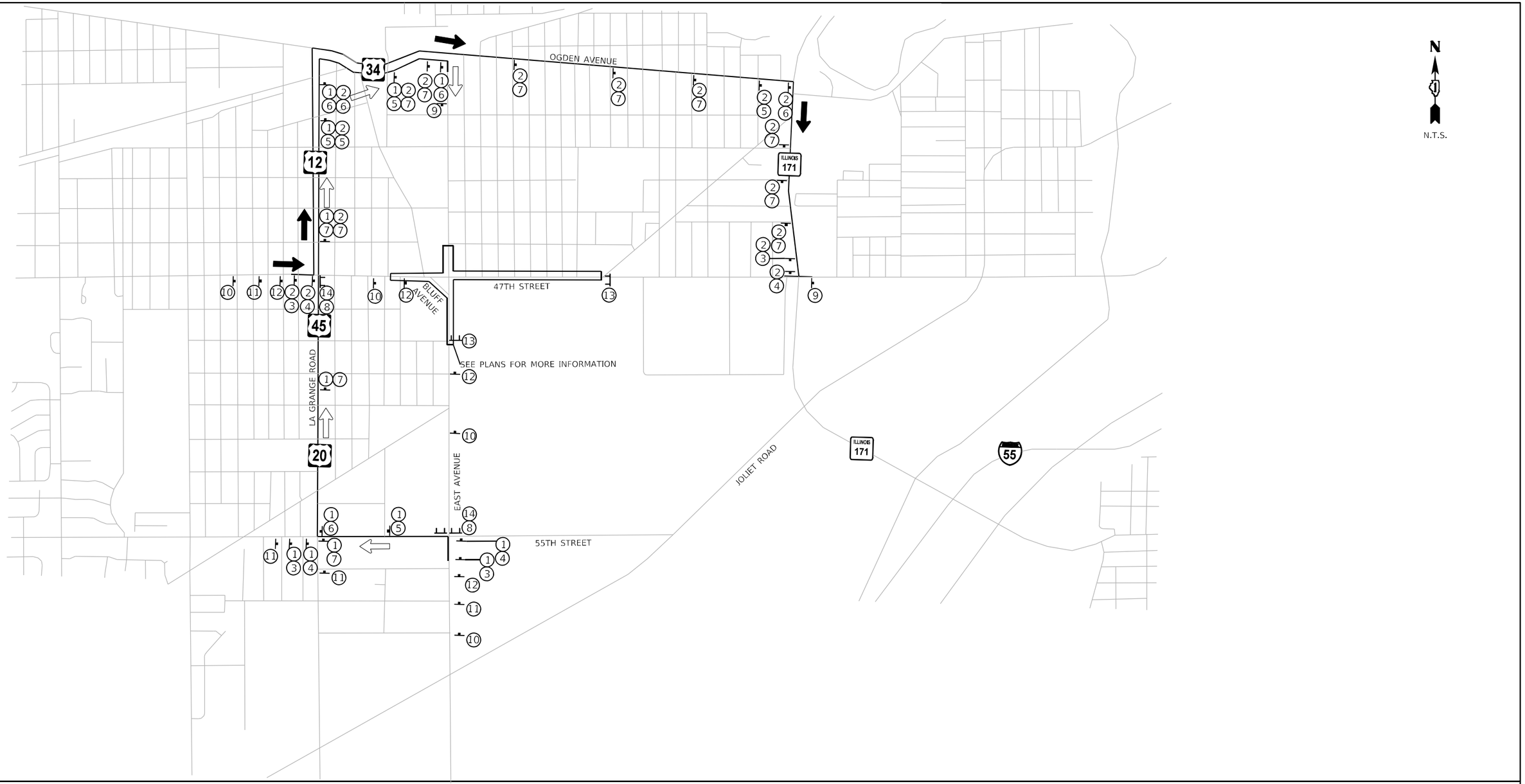
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/18/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS

SCALE: 1"=5' | SHEET 17 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	97
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

NORTH EAST AVENUE	M3-1-2412	① *
EAST 47TH STREET	M3-2-2412	② *
DETOUR	M4-9L-3024	③
DETOUR	M4-9L-3024	④
DETOUR	M4-9R-3024	⑤
DETOUR	M4-9R-3024	⑥
DETOUR	M4-9-3024	⑦
DETOUR	M4-10L-4818	⑧
END DETOUR	M4-8A	⑨
ROAD CLOSED AHEAD	W20-3-4848	⑩
DETOUR AHEAD	W20-2-4848	⑪
ROAD CLOSED 500 FT	W20-3-4848	⑫ **
ROAD CLOSED	R11-2-4830	⑬
ROAD CLOSED TO THRU TRAFFIC	R11-4-6030	⑭

- PROPOSED TRAFFIC CONTROL SIGN
- NB DETOUR ROUTE
- EB DETOUR ROUTE
- TYPE 3 BARRICADE

NOTES

* STREET NAME SIGN: SPECIAL 24"X18" VARIABLE 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND

**ONLY USE LIGHT REFLECTOR WHEN USED IN PARTIALLY CLOSED PORTION PER DISTRICT 1 STANDARD TC-21

DETOUR SIGN SPACING PER DISTRICT 1 STANDARD TC-21

DET–01

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -	
	DRAWN - NWS	REVISED -	
PLOT SCALE = 2000.0000 ' / in.	CHECKED - ALM	REVISED -	
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1 PARTIAL DETOUR PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	98
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-shpf-001
FILE NAME: X:\PJ\113-0024-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-detour-001.dgn

SEQUENCE OF CONSTRUCTION

PRE-STAGE CONSTRUCTION (NOT SHOWN ON PLANS):

1. PLACE CONSTRUCTION SIGNS, TEMPORARY BARRIERS, AND TEMPORARY STRIPING. UTILIZE STANDARDS 701606-10 & 701701-10.

NOTE: ALL RAILROAD CROSSING EQUIPMENT INSTALLATION, REMOVAL, AND REPLACEMENT IS THE RESPONSIBILTY OF THE RAILROAD.

STAGE 1 CONSTRUCTION:

1. REMOVE THE PAVEMENT ON THE EASTBOUND LANES OF THE EAST LEG OF 47TH STREET.
2. INSTALL TEMPORARY SOIL RETENTION SYSTEM AS SHOWN ON THE DRAINAGE PLANS.
3. INSTALL THE BOX CULVERT ON THE EAST LEG OF 47TH STREET AND CONSTRUCT JUNCTION CHAMBER IN SOUTHEAST QUADRANT OF 47TH STEET AND EAST AVENUE INTERSECTION.
4. REMOVE THE PAVEMENT ON THE NORTHBOUND LANES OF THE SOUTH LEG OF EAST AVENUE.
5. INSTALL STORM SEWER ON THE SOUTH LEG OF EAST AVENUE.
6. INSTALL TRAFFIC SIGNAL FOUNDATIONS.
7. RECONSTRUCT THE PAVEMENT ON THE EASTBOUND LANES OF THE EAST LEG OF 47TH STREET AND NORTHBOUND LANES OF THE SOUTH LEG OF EAST AVENUE.
8. INSTALL TEMPORARY CROSSING GATE FOR EASTBOUND TRAFFIC ON WEST LEG OF 47TH STREET.
9. COORDINATE WITH THE IHB RAILROAD TO REMOVE AND REPLACE THE RAILROAD CROSSING GATES AND PEDESTRIAN GATES FOR EASTBOUND TRAFFIC ON THE WEST LEG OF 47TH STREET AND NORTHBOUND TRAFFIC ON THE SOUTH LEG OF EAST AVENUE.
10. FINALIZE PERMANENT GRADING.

STAGE 1 TRAFFIC:

DETOUR THE THRU LANES FOR EASTBOUND 47TH STREET AND NORTHBOUND EAST AVENUE AS SHOWN IN THE PLANS. TRAFFIC HEADING EASTBOUND ON 47TH STREET WILL BE REROUTED NORTHBOUND ONTO US12/20/45 (LA GRANGE ROAD), EASTBOUND ONTO US 34 (OGDEN AVENUE), THEN SOUTHBOUND ONTO IL 171 (1ST AVENUE). TRAFFIC HEADING NORTHBOUND ON EAST AVENUE WILL BE REROUTED WESTBOUND ONTO 55TH STREET, NORTHBOUND ONTO US 12/20/45 (LAGRANGE ROAD), THEN EASTBOUND ON US 34 (OGDEN AVENUE).

THE RIGHT AND LEFT TURN LANES ON THE WEST LEG OF 47TH STREET WILL BE AVAILABLE FOR USE TO ACCESS EAST AVENUE. THE LEFT TURN LANE ON THE NORTH LEG OF EAST AVENUE WILL BE CLOSED AS THERE WILL NOT BE ACCESS TO EASTBOUND 47TH STREET. BLUFF AVENUE WILL BE A ONE-WAY STREET FOR TRAFFIC TRAVELING EAST ON 47TH STREET TO ACCESS SOUTH EAST AVENUE. WESTBOUND 47TH STREET WILL BE REDUCED TO A SINGLE OUTSIDE LANE IN 500' INCREMENTS.

AT THE INTERSECTION OF 47TH STREET AND EAST AVENUE, A SUB-STAGE WILL BE REQUIRED TO CONSTRUCT THE JUNCTION CHAMBER INFLOW PIPES CROSSING THE SOUTHBOUND LANES OF EAST AVENUE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION. RECONSTRUCT THE SOUTHEAST QUADRANT OF THE INTERSECTION AFTER CONSTRUCTING THE JUNCTION CHAMBER AND SHIFT SOUTHBOUND TRAFFIC TO NORTHBOUND LANES UTILIZING STANDARD 701611. SHIFT TRAFFIC BACK TO SOUTHBOUND LANES PRIOR TO RAILROAD CROSSING. UTILIZE STRIPED MEDIAN TO ACCOMMODATE EASTBOUND TO NORTHBOUND LEFT TURN DURING SUB-STAGE. SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

STAGE 2A CONSTRUCTION:

1. INSTALL TEMPORARY CROSSING GATES FOR WESTBOUND TRAFFIC ON THE WEST LEG OF 47TH STREET AND SOUTHBOUND TRAFFIC ON THE SOUTH LEG OF EAST AVENUE.
2. COORDINATE WITH IHB RAILROAD TO REMOVE AND REPLACE RAILROAD CROSSING GATES AND PEDESTRIAN GATES FOR WESTBOUND TRAFFIC ON THE WEST LEG OF 47TH STREET AND SOUTHBOUND TRAFFIC ON THE SOUTH LEG OF EAST AVENUE.
3. REMOVE TEMPORARY CONCRETE BARRIER.
4. INSTALL PAVEMENT MARKING FOR NEXT STAGE OF CONSTRUCTION.

STAGE 2A TRAFFIC:

UTILIZE TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS.

STAGE 2B CONSTRUCTION:

1. INSTALL CURB AND GUTTER, SIDEWALK, RETAINING WALL, AND DRIVEWAYS.
2. FINALIZE PERMANENT GRADING.
3. INSTALL STORM SEWER LATERALS ON EAST AVENUE AND BLUFF AVENUE.

STAGE 2B TRAFFIC:

UTILIZE HIGHWAY STANDARD 701606-10 FOR TRAFFIC CONTROL AND PROTECTION TO COMPLETE THE CONSTRUCTION OF THE ROADSIDE IMPROVEMENTS. UTILIZE HIGHWAY STANDARD 701606-10 FOR LANE CLOSURES TO COMPLETE THE INSTALLATION OF STORM SEWER LATERALS ON BLUFF AVENUE. UTILIZE HIGHWAY STANDARD 701606-10 TO SHIFT TRAFFIC ON BLUFF AVENUE TO THE EXISTING NORTHWESTBOUND LANE TO COMPLETE THE INSTALLATION OF STORM SEWER LATERALS.

STAGE 3A CONSTRUCTION (NOT SHOWN ON PLANS):

1. MILL EXISTING PAVEMENT WITHIN THE RESURFACING LIMITS.
2. CONSTRUCT SURFACE COURSE ON ALL PAVEMENT.
3. PLACE PERMANENT PAVEMENT MARKINGS AND SIGNS.
4. INSTALL FLEXIBLE DELINEATOR POSTS.

STAGE 3A TRAFFIC (NOT SHOWN ON PLANS):

TRAFFIC IS IN THE PROPOSED CONFIGURATION (SEE PAVEMENT MARKING PLANS). UTILIZE HIGHWAY STANDARD 701606-10 FOR TRAFFIC CONTROL AND PROTECTION DURING PAVING OPERATIONS, PAVEMENT MARKING PLACEMENT, AND INSTALLATION OF FLEXIBLE DELINEATOR POSTS.

STAGE 3B TRAFFIC (NOT SHOWN ON PLANS):

TRAFFIC IS IN THE PROPOSED CONFIGURATION. UTILIZE HIGHWAY STANDARD 701701-10 FOR TRAFFIC CONTROL AND PROTECTION DURING TRAFFIC SIGNAL INSTALLATION.

MOT-01

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONROL PLAN
SEQUENCE OF CONSTRUCTION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	99
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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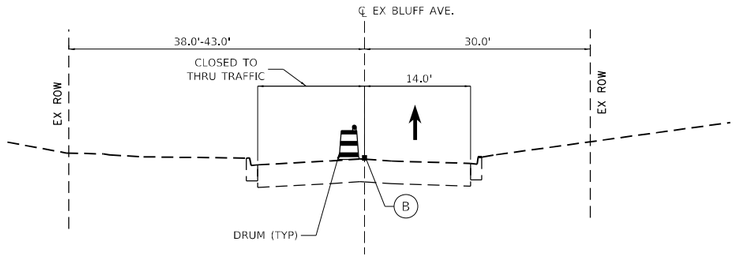
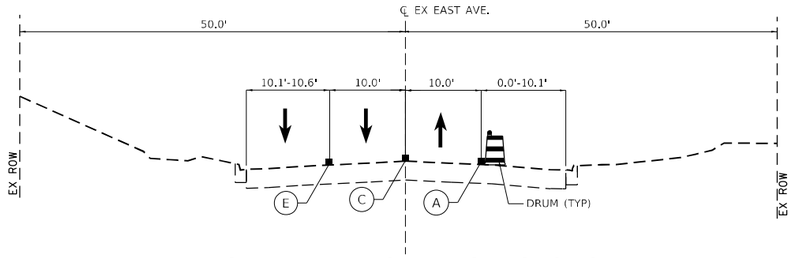


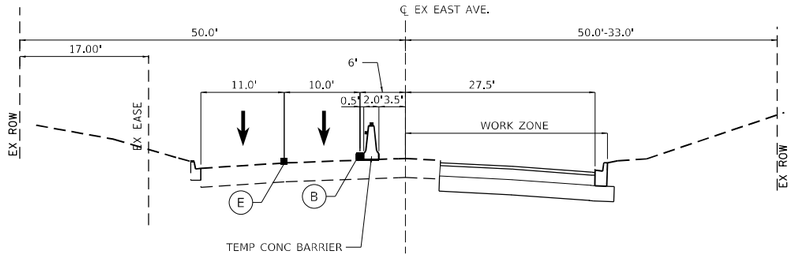
BLUFF AVENUE MOT TYPICAL SECTION STAGE 1

STA 09+95.70 TO STA 13+60.32



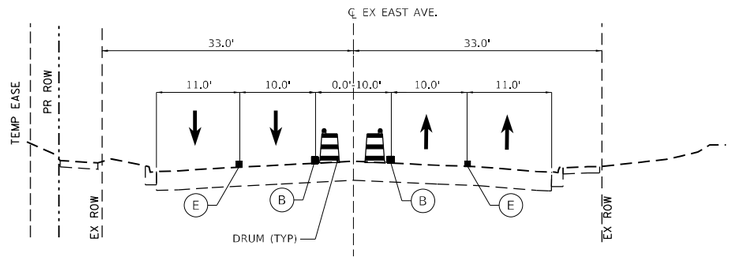
EAST AVENUE MOT TYPICAL SECTION STAGE 1

STA 602+85.31 TO STA 607+02.48



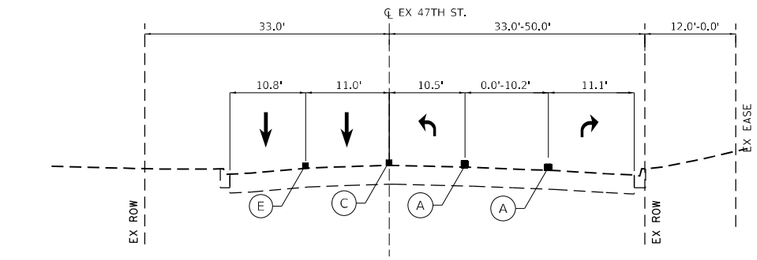
EAST AVENUE MOT TYPICAL SECTION STAGE 1

STA 607+02.48 TO STA 620+00.00



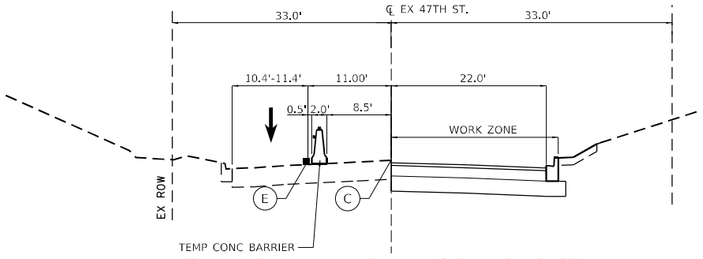
EAST AVENUE MOT TYPICAL SECTION STAGE 1

STA 620+00.00 TO STA 627+53.35



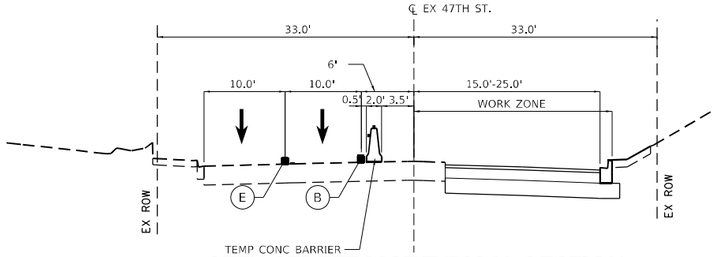
47TH STREET MOT TYPICAL SECTION STAGE 1

STA 91+90.00 TO STA 100+00.00



47TH STREET MOT TYPICAL SECTION STAGE 1

STA 106+40.00 TO STA 124+84.78



47TH STREET MOT TYPICAL SECTION STAGE 1

STA 100+00.00 TO STA 106+40.00
STA 124+84.78 TO STA 132+00.00

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (3' DASH, 9' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW STOP BAR

MOT-02

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
TYPICAL SECTION – STAGE 1

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	100
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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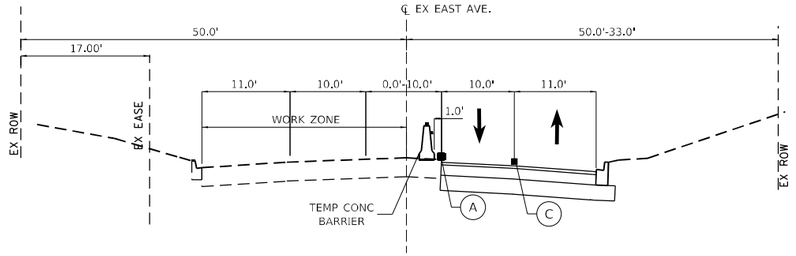
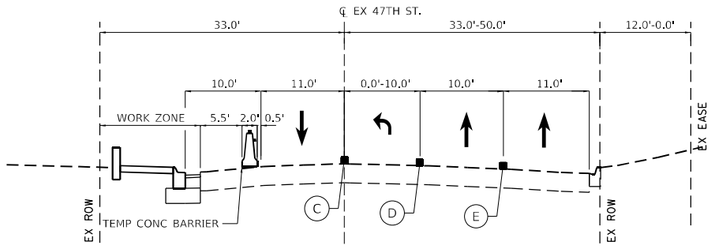


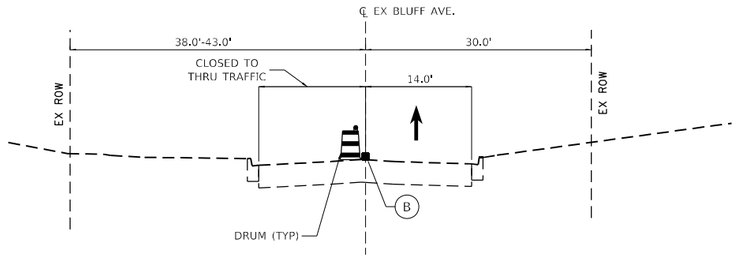
EAST AVENUE MOT TYPICAL SECTION STAGE 2

STA 617+00.00 TO STA 620+00.00



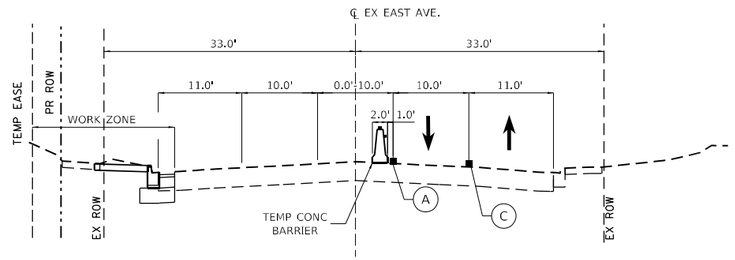
47TH STREET MOT TYPICAL SECTION STAGE 2

STA 95+03.00 TO STA 100+00.00



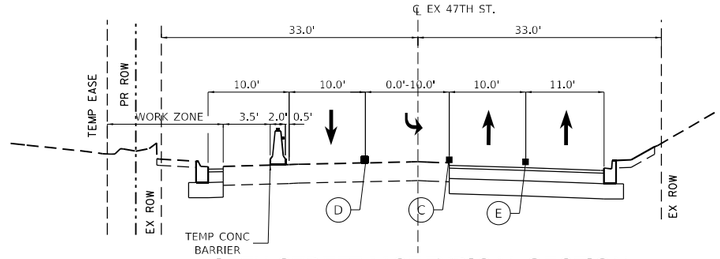
BLUFF AVENUE MOT TYPICAL SECTION STAGE 2

STA 09+95.70 TO STA 13+60.32



EAST AVENUE MOT TYPICAL SECTION STAGE 2

STA 620+00.00 TO STA 627+53.35



47TH STREET MOT TYPICAL SECTION STAGE 2

STA 100+00.00 TO STA 117+05.11

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (3' DASH, 9' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW STOP BAR

MOT–03

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
TYPICAL SECTION – STAGE 2

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	101
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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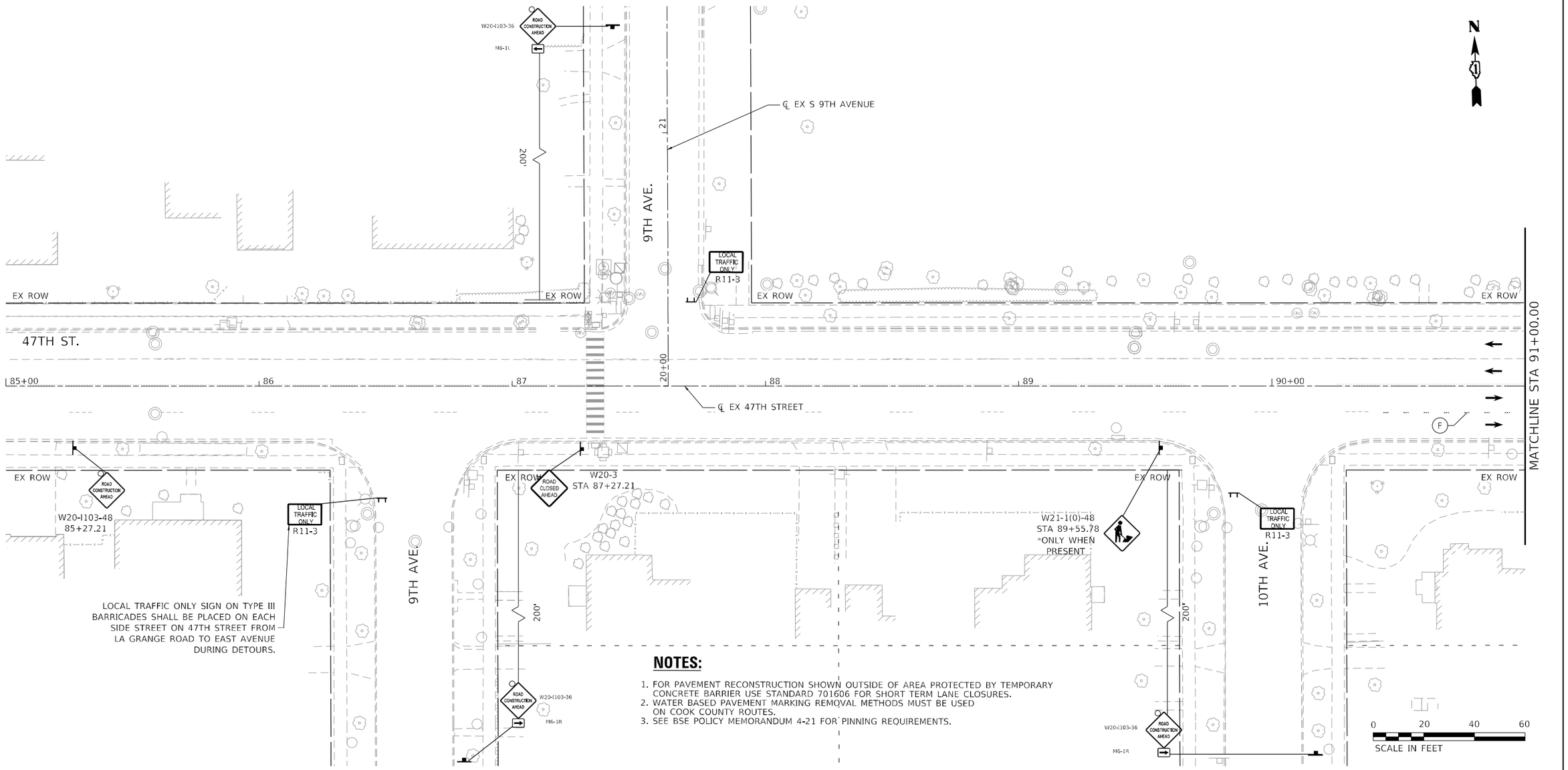

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-04

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 1 OF 13 SHEETS | STA. 85+00.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	102
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plnprf-002
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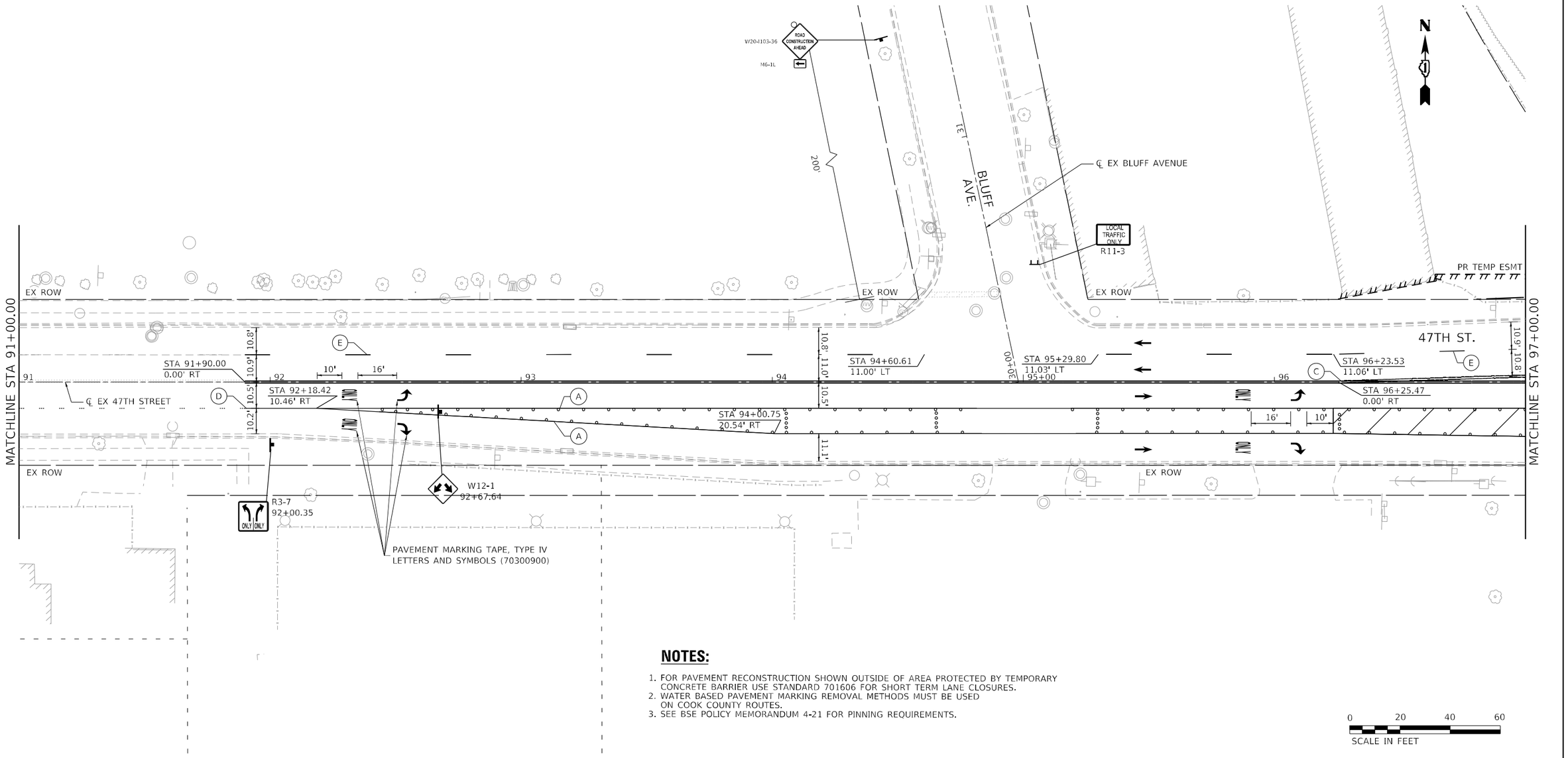


NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

0 20 40 60
SCALE IN FEET

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE
(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE
(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C
(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE
(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)
(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR
(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-05

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

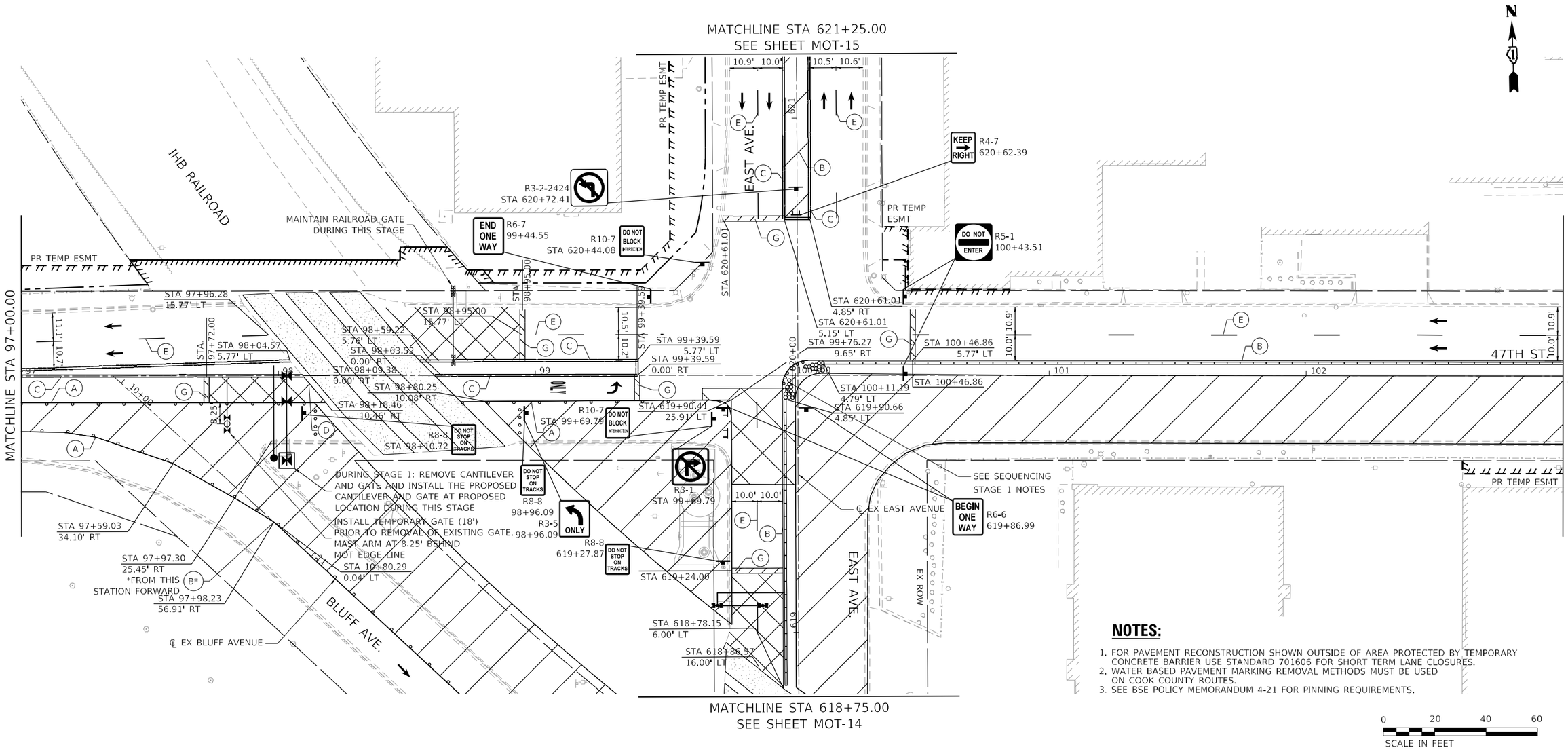
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 2 OF 13 SHEETS | STA. 91+00.00 TO STA. 97+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	103
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-dnprf-003
FILE NAME: X:\Dn\13-2024-006 47th Street at East Avenue\CADD\CAD Sheets\D162F11-sht-MOT Stage 1-003.dgn



NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

0 20 40 60
SCALE IN FEET

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE
(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE
(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C
(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE
(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)
(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR
(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-06

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 3 OF 13 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	104
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\62F11-sht-dnorf-504
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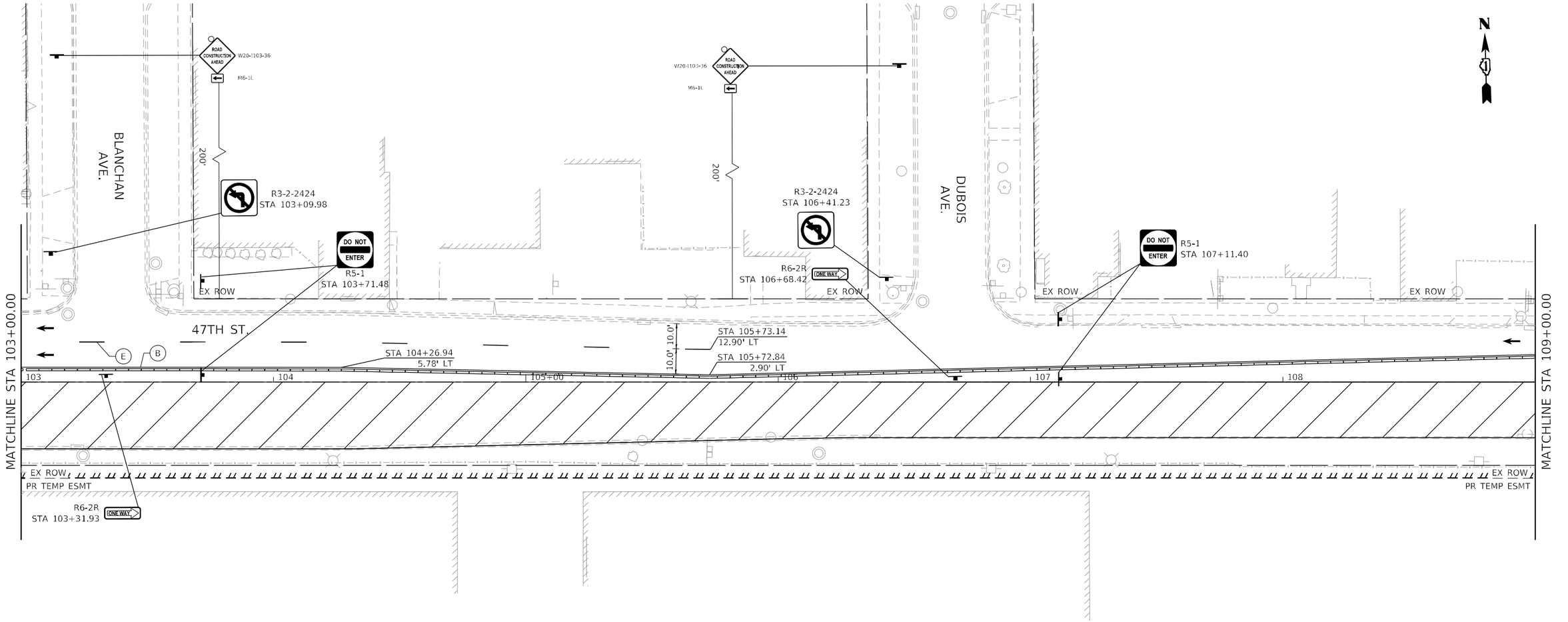

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-07

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 4 OF 13 SHEETS | STA. 103+00.00 TO STA. 109+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	105
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-dnprf-005
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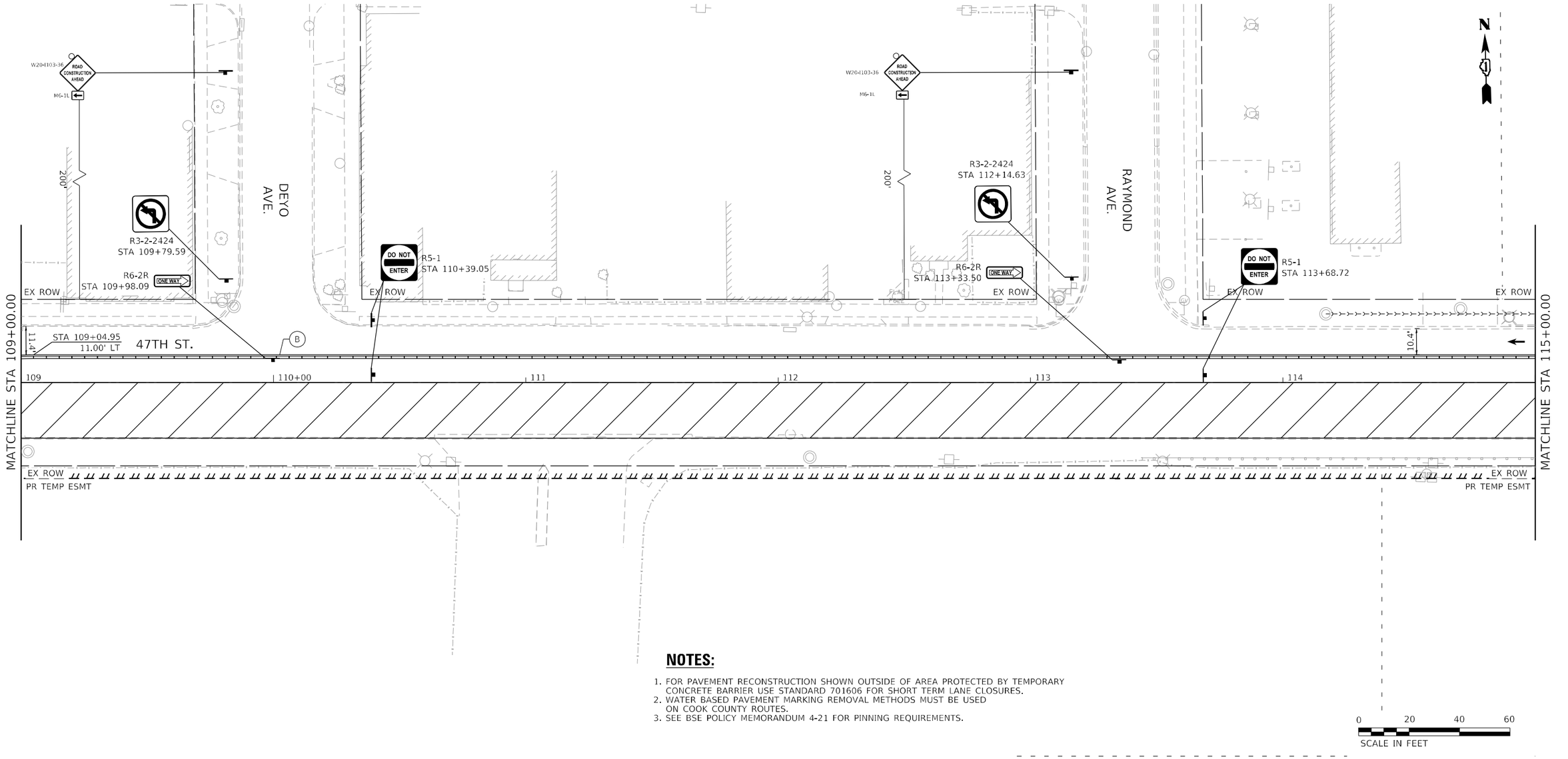

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-08

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 5 OF 13 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	106
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plnpf-006
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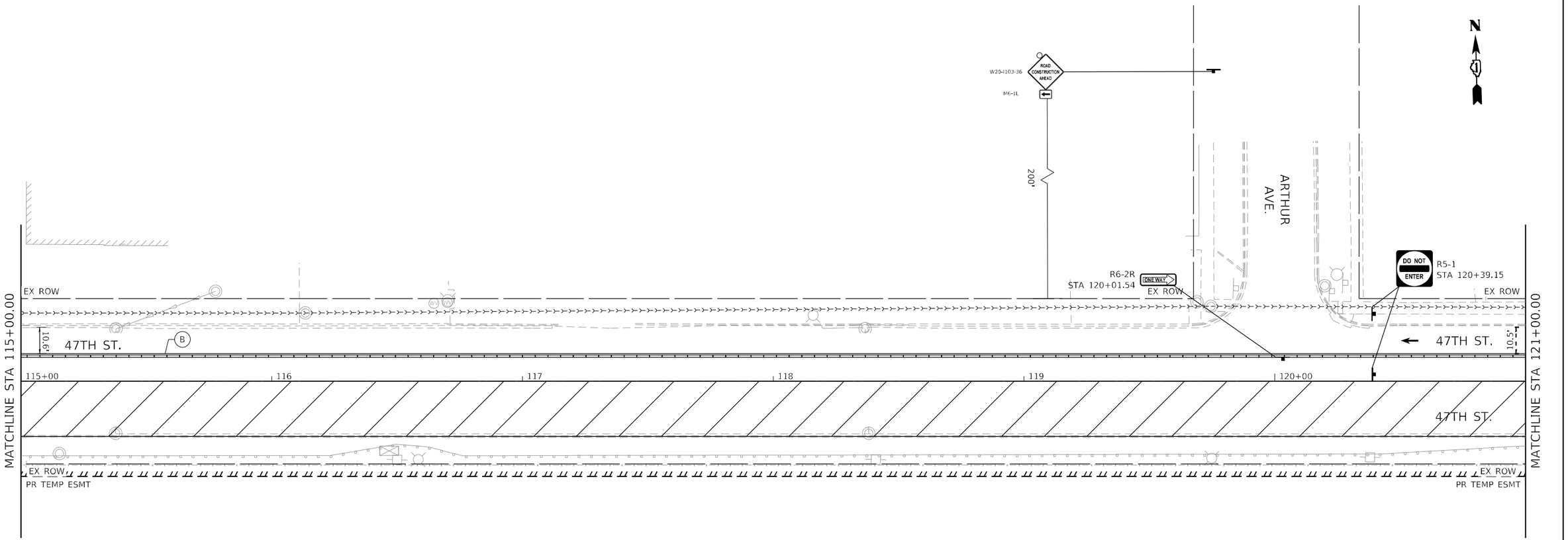

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

0 20 40 60
SCALE IN FEET

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE
(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE
(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C
(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE
(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)
(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR
(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-09

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 6 OF 13 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	107
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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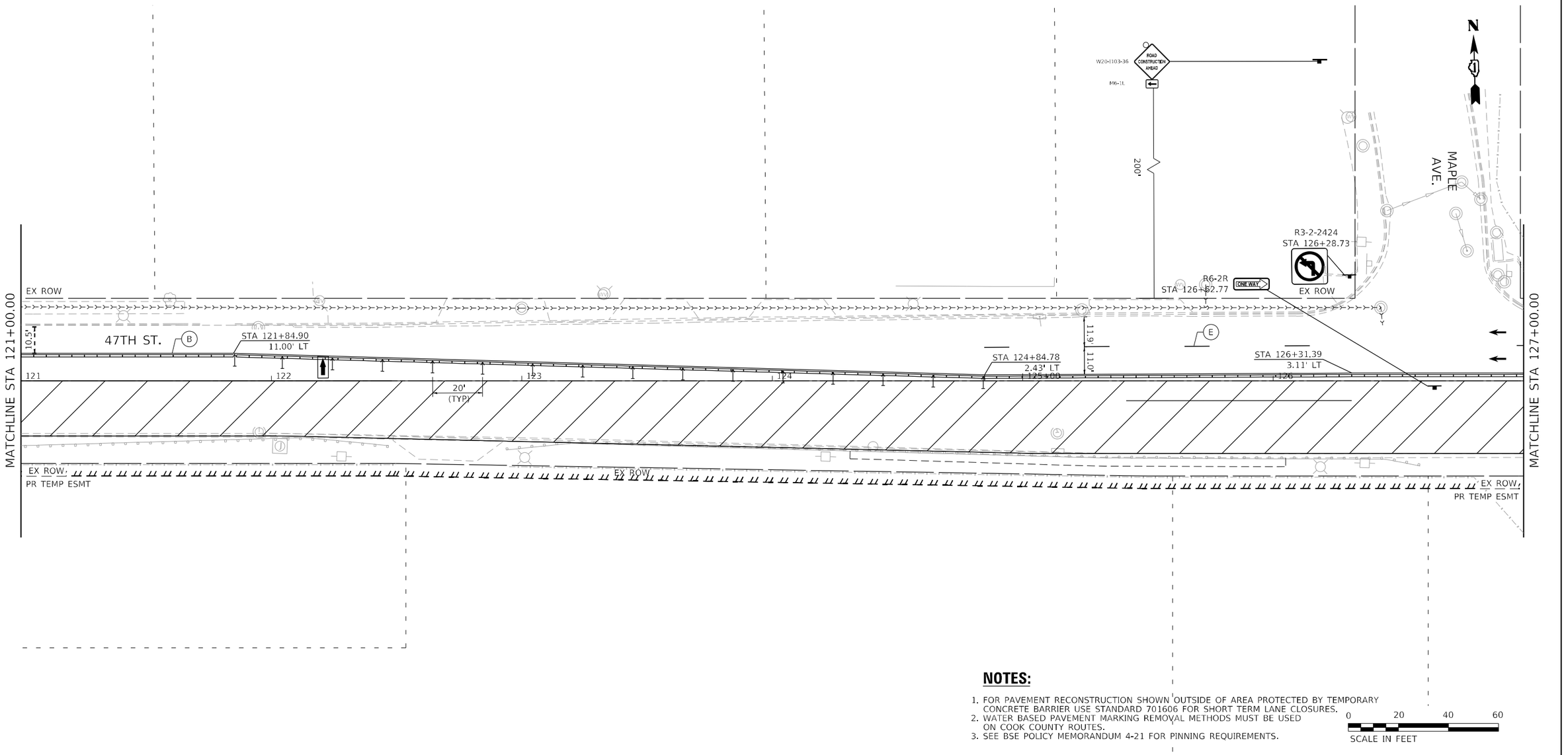

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-10

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 7 OF 13 SHEETS | STA. 121+00.00 TO STA. 127+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	108
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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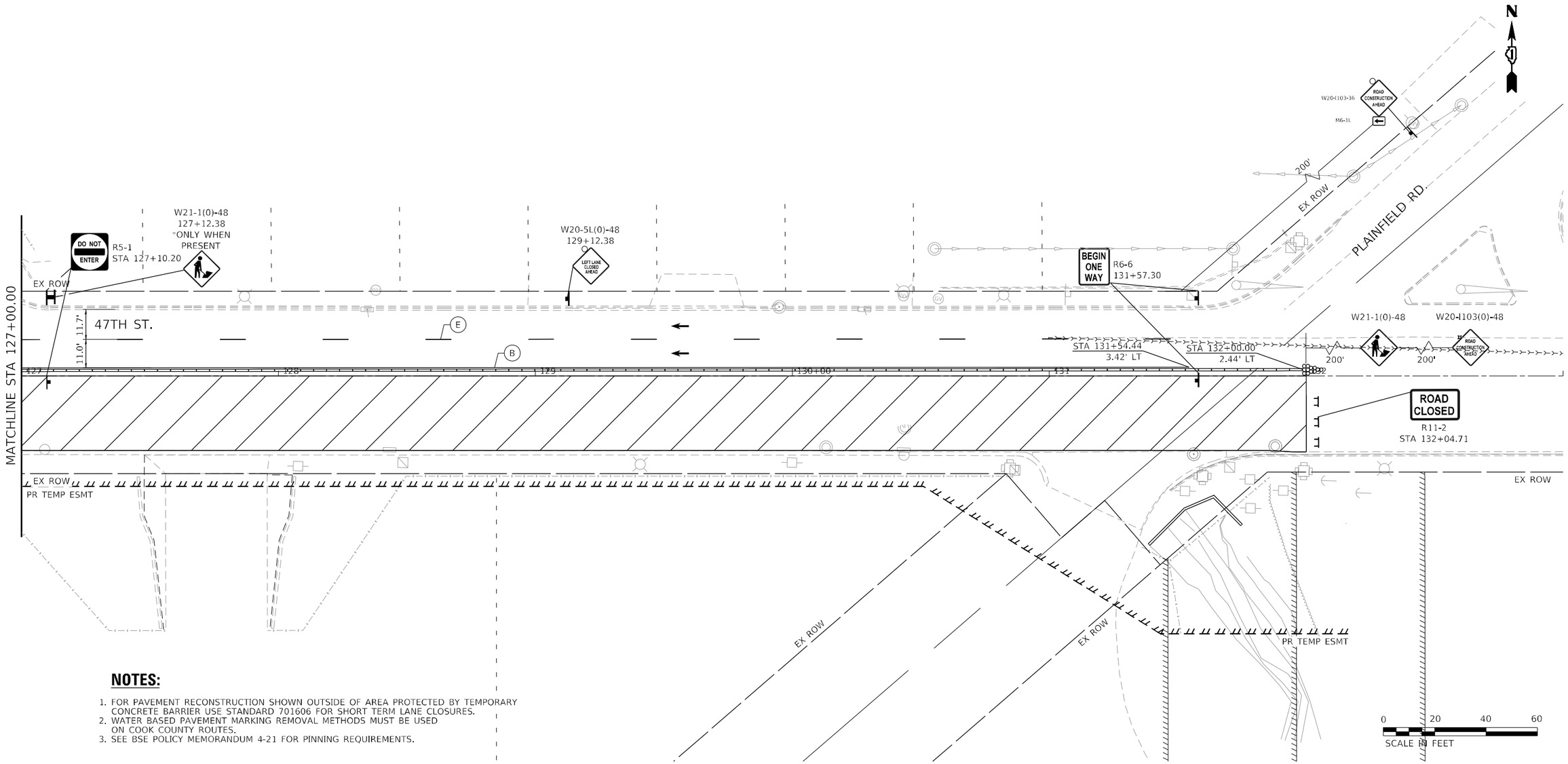

NOTES:

1. FOR PAVEMENT RECONSTRUCTION SHOWN OUTSIDE OF AREA PROTECTED BY TEMPORARY CONCRETE BARRIER USE STANDARD 701606 FOR SHORT TERM LANE CLOSURES.
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-11

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 8 OF 13 SHEETS | STA. 127+00.00 TO STA. 132+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	109
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\62F11-sht-dnpf-009
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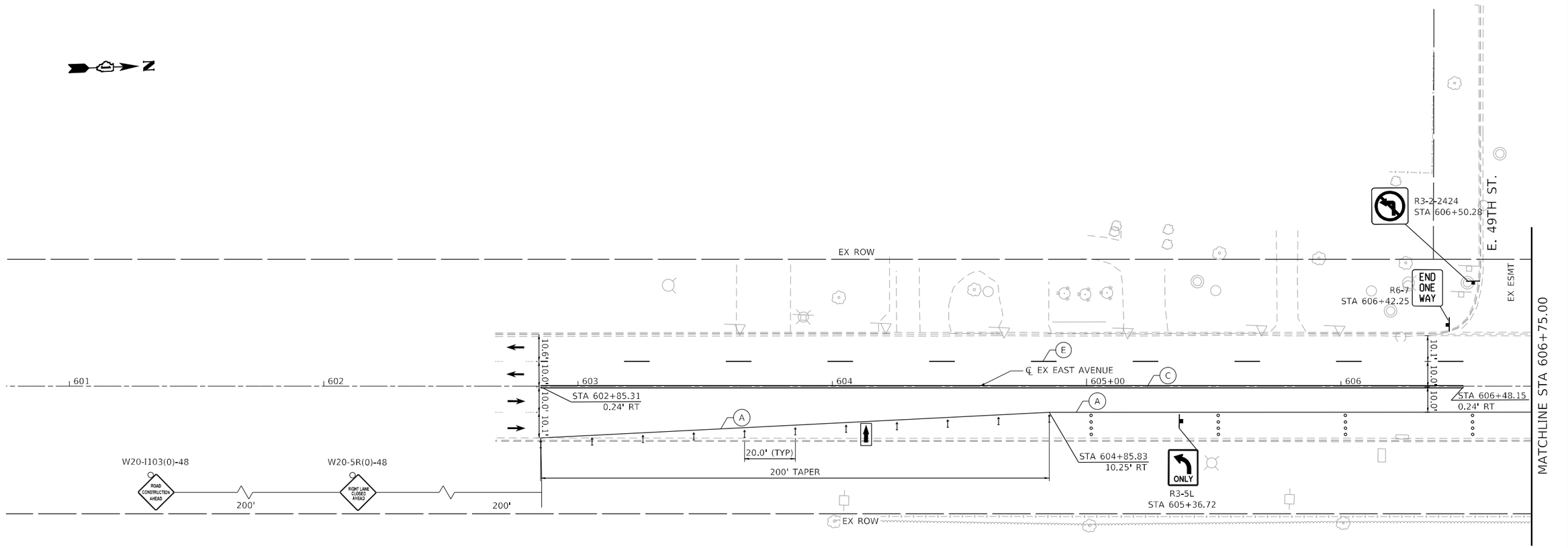

0 20 40 60

SCALE IN FEET

NOTES:

1. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
2. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-12

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 9 OF 13 SHEETS | STA. 601+00.00 TO STA. 606+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	110
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-sheet-5026
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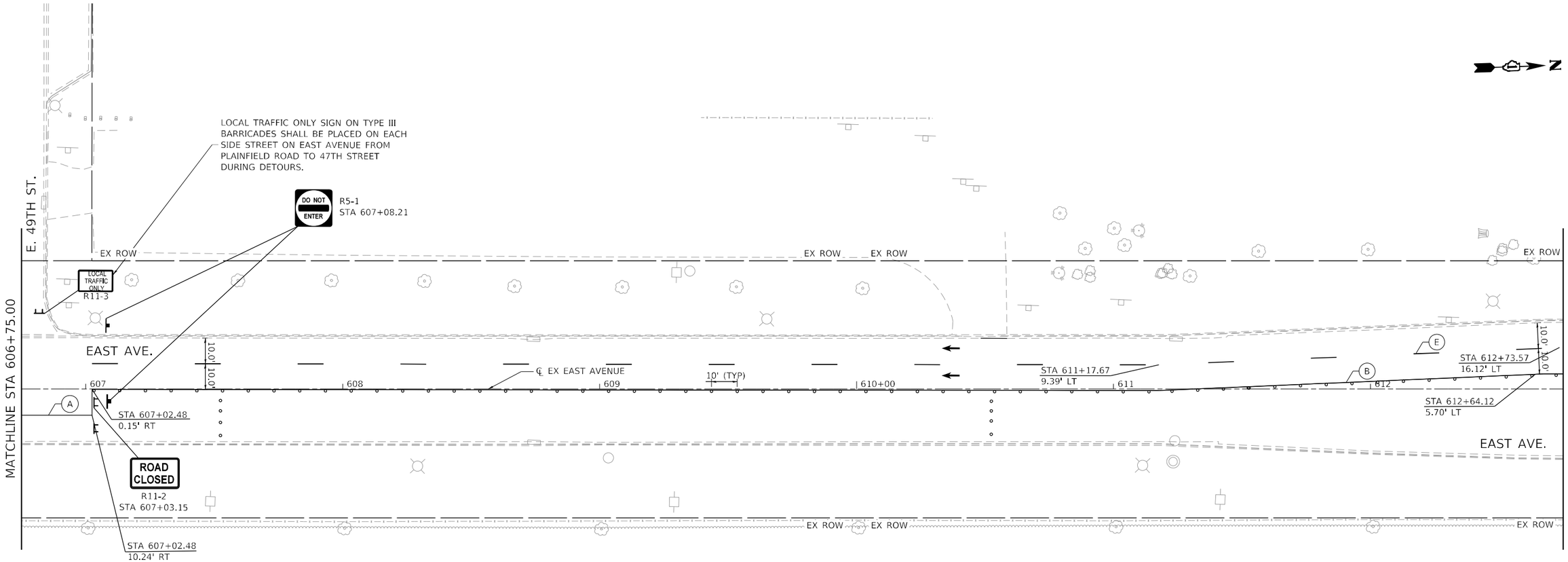


NOTES:

1. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
2. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

0 20 40 60
SCALE IN FEET

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE
(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE
(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C
(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE
(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)
(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR
(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-13

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

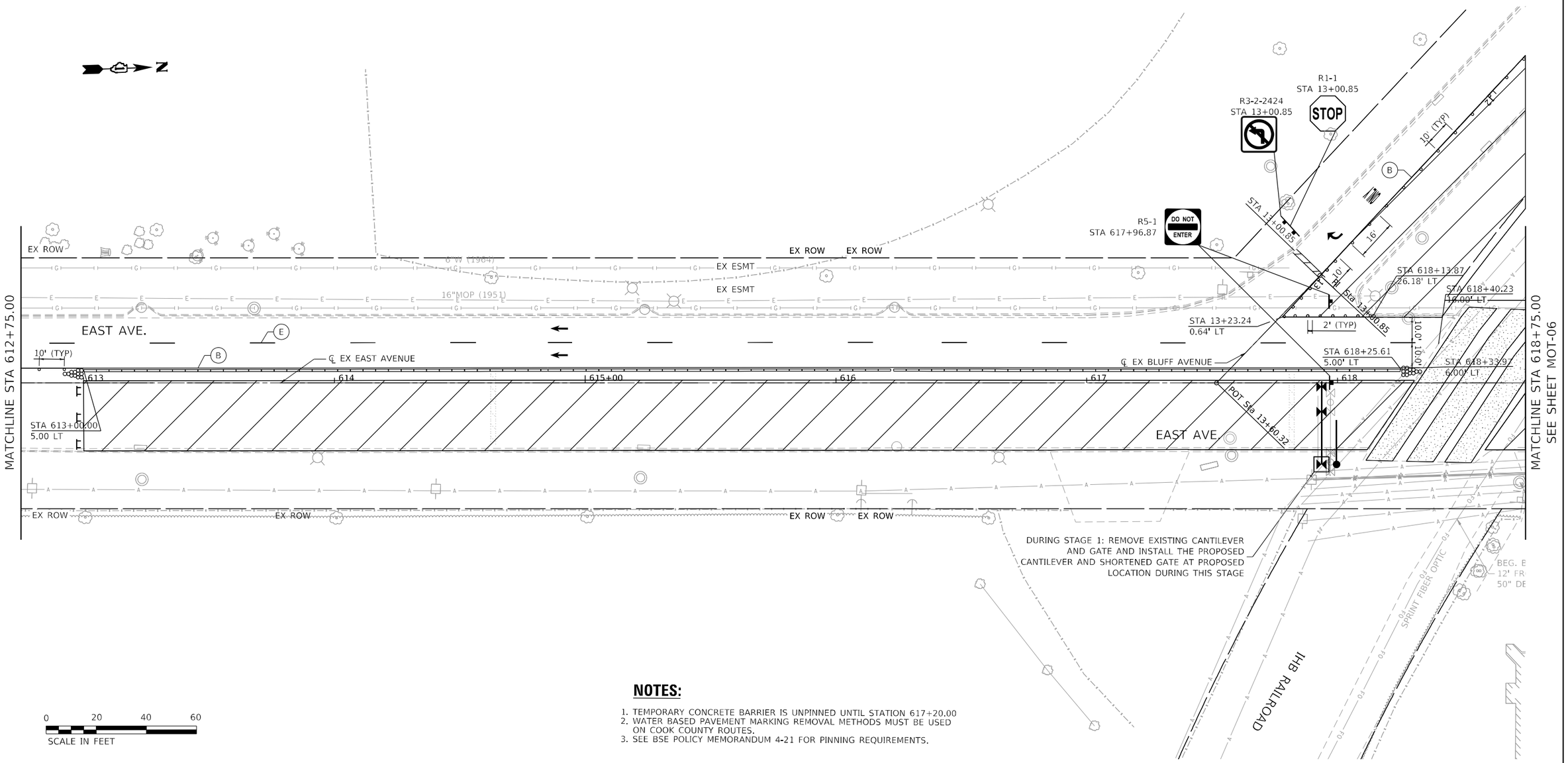
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 10 OF 13 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	111
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-plan-0026
FILE NAME: x:\c113-0024-000 47th Street at East Avenue\CADICAD Sheets\D162F11-sht-MOT Stage 1-011.dgn



NOTES:

1. TEMPORARY CONCRETE BARRIER IS UNPINNED UNTIL STATION 617+20.00
2. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
3. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-14

RS&H

USER NAME = SchaefTN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 11 OF 13 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	112
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dmpf-0026
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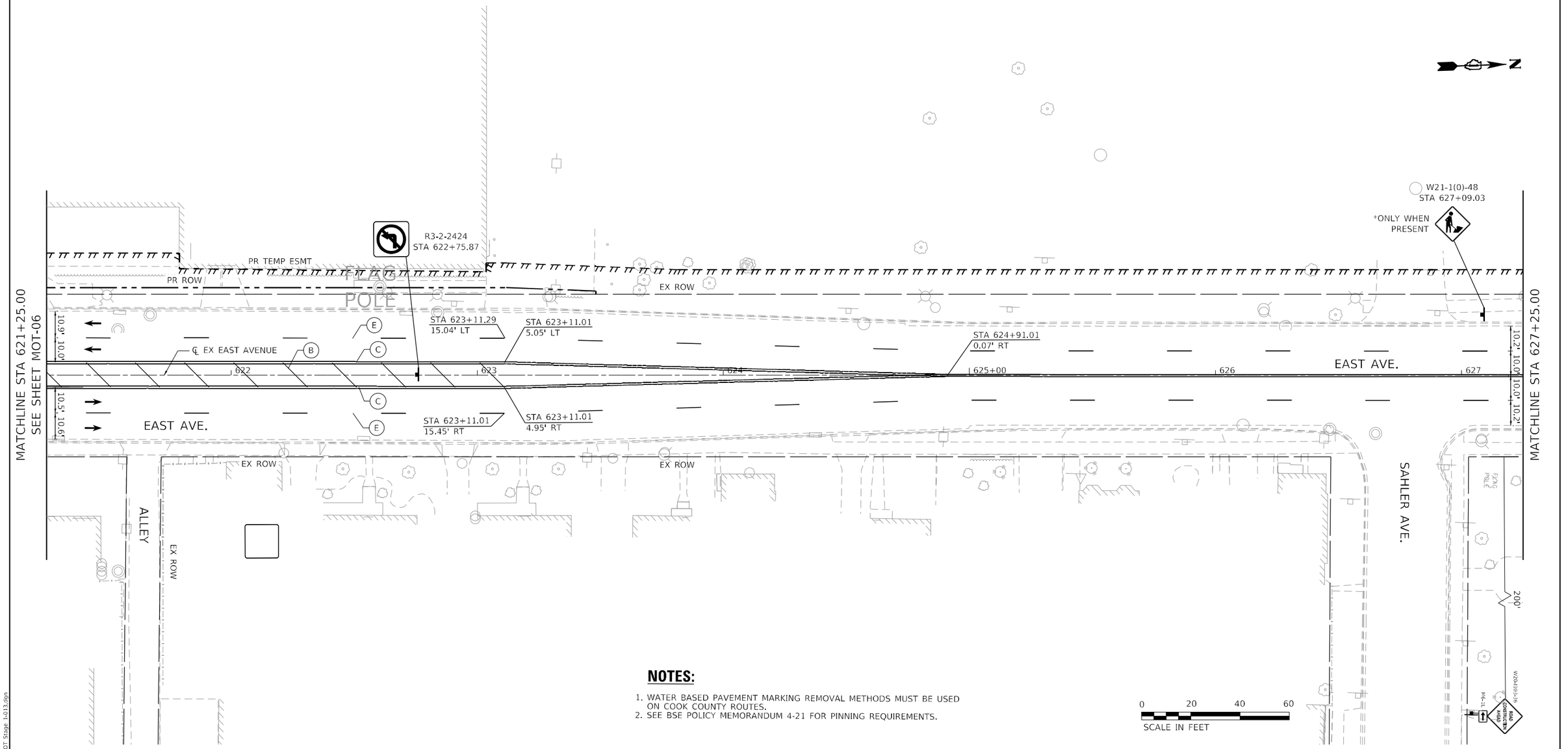

NOTES:

1. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
2. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-15

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 12 OF 13 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	113
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shopf-0027
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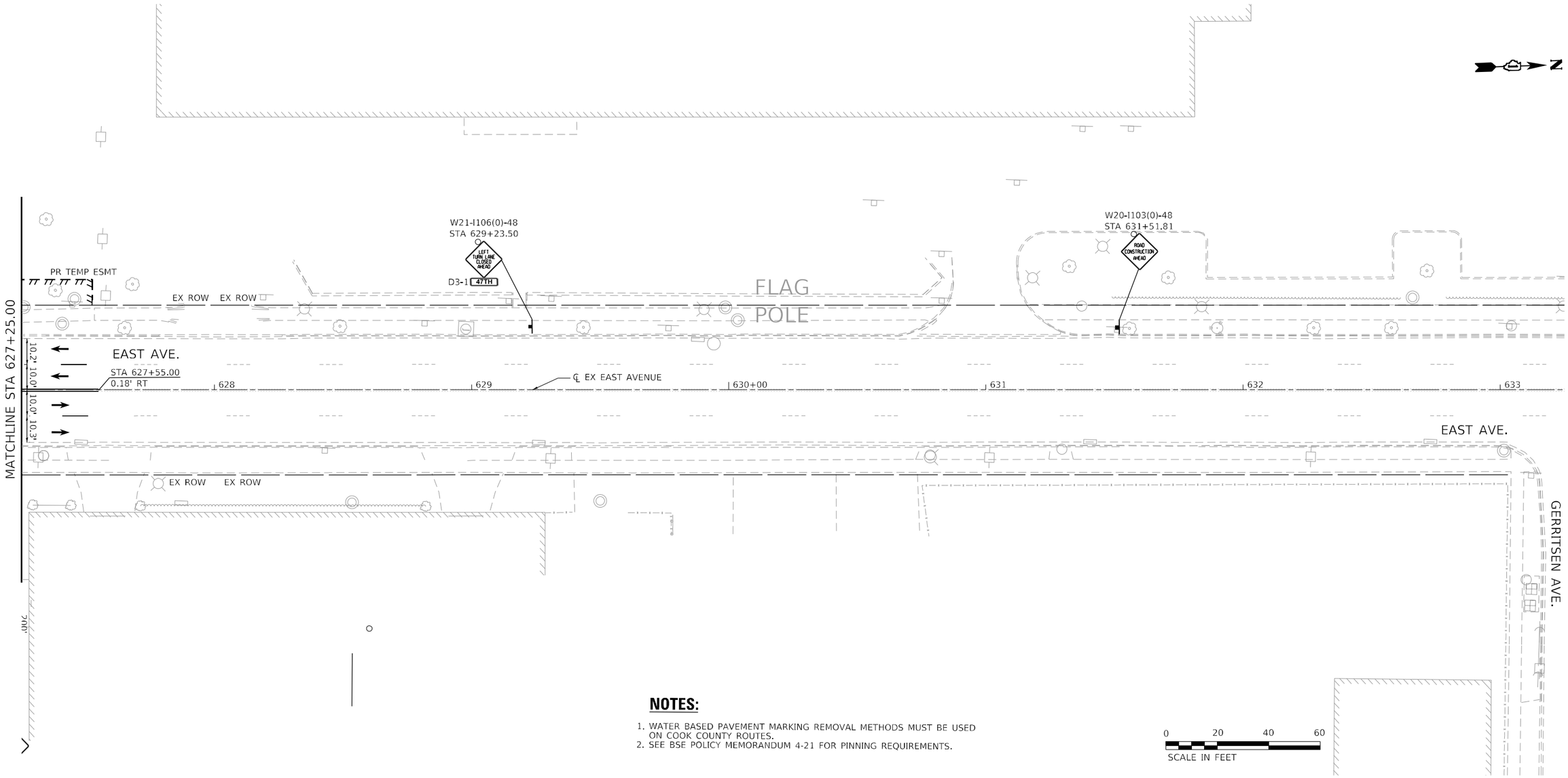

NOTES:

1. WATER BASED PAVEMENT MARKING REMOVAL METHODS MUST BE USED ON COOK COUNTY ROUTES.
2. SEE BSE POLICY MEMORANDUM 4-21 FOR PINNING REQUIREMENTS.

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-16

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 1

SCALE: 1" = 20' | SHEET 13 OF 13 SHEETS | STA. 627+25.00 TO STA. 627+33.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	114
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sh-alnorf-0027
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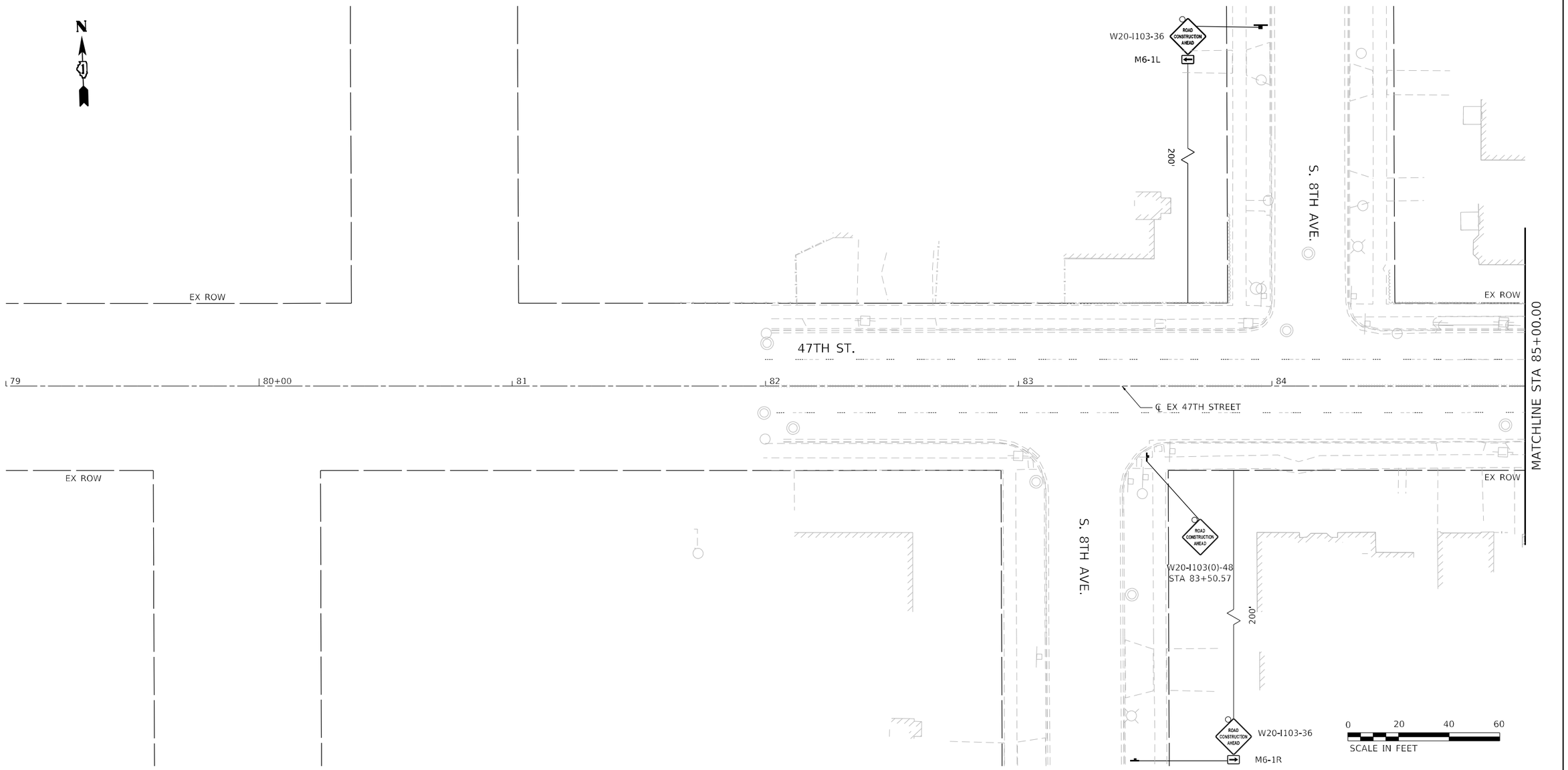

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-17

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 1 OF 12 SHEETS | STA. 79+00.00 TO STA. 85+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	115
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plan1-001
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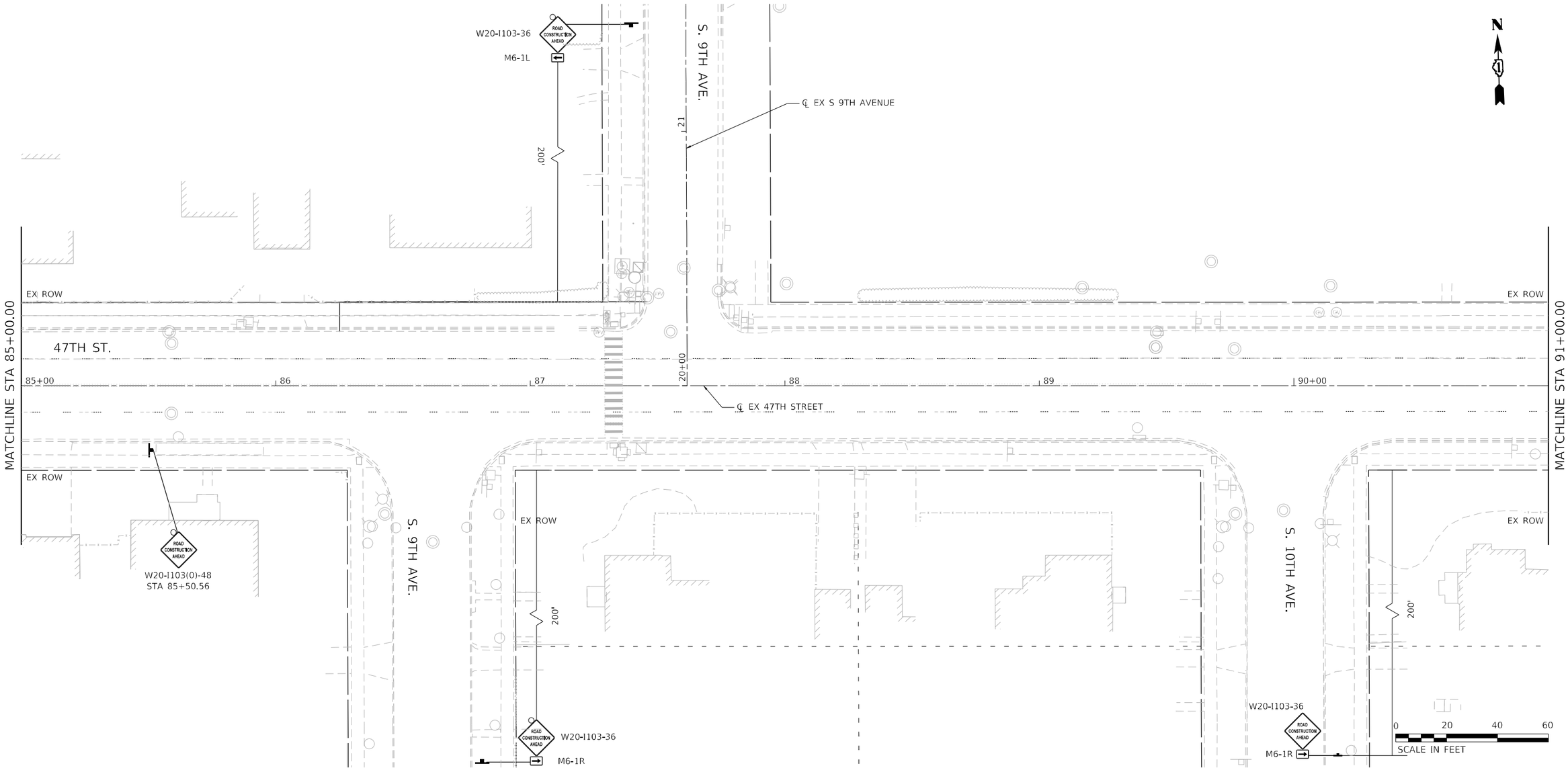

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-18

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 2 OF 12 SHEETS | STA. 85+00.00 | TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	116
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-shopf-002
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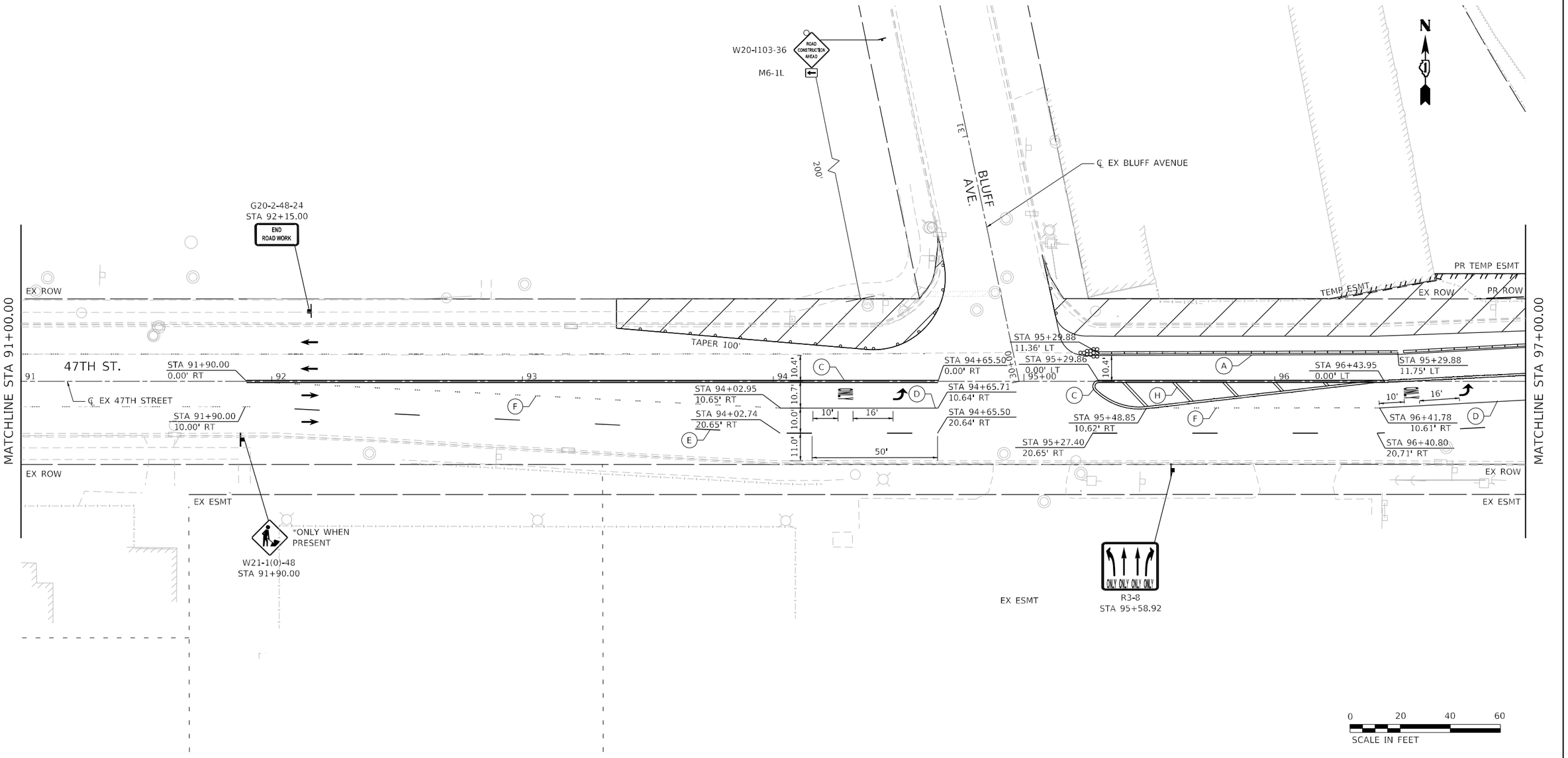

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-19

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 3 OF 12 SHEETS | STA. 91+00.00 TO STA. 97+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	117
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shpnf-003
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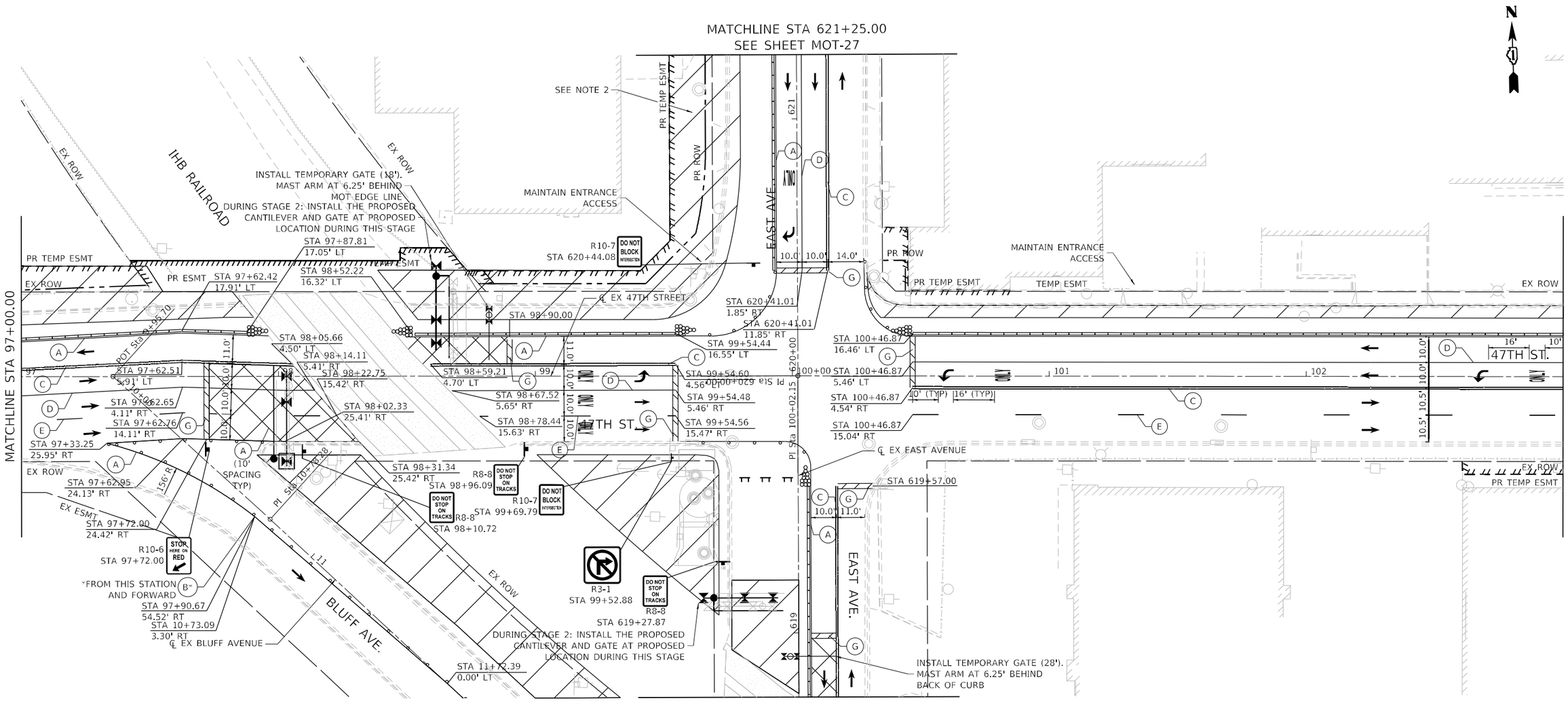

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT–20

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 4 OF 12 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	118
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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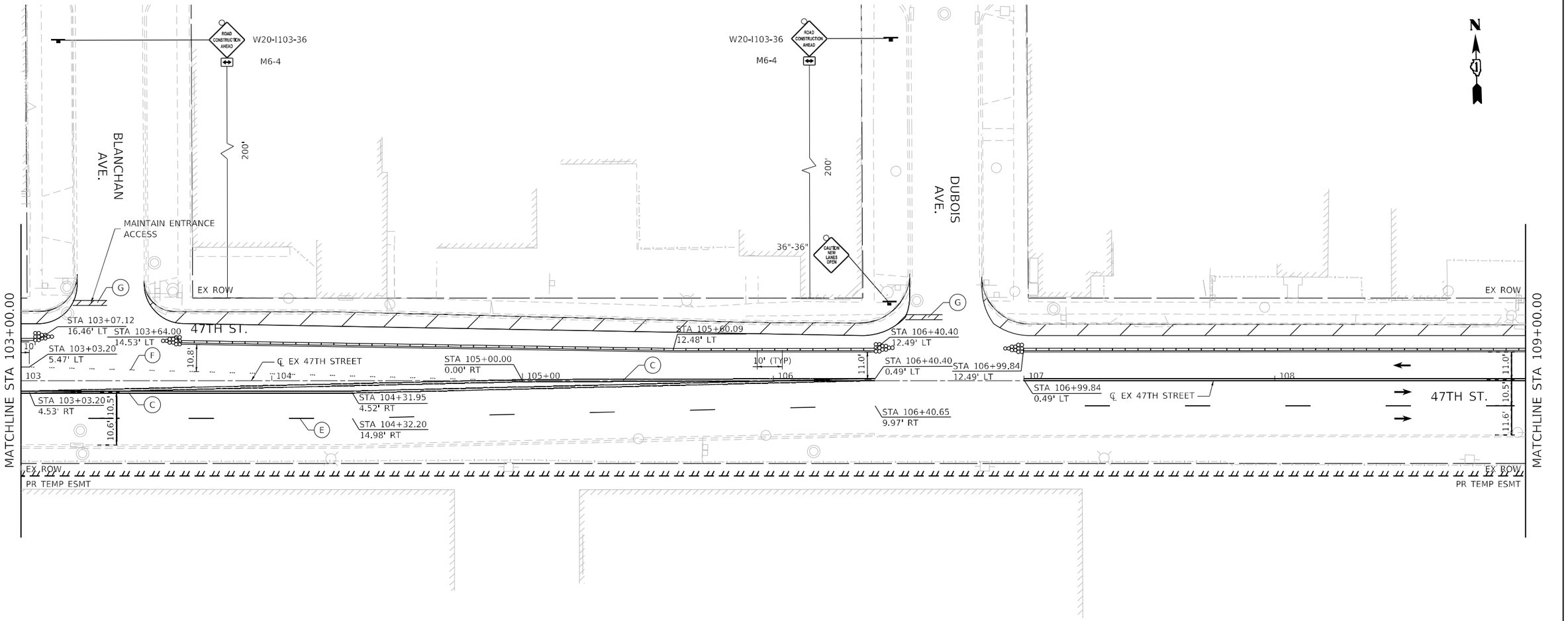

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-21

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 5 OF 12 SHEETS | STA. 103+00.00 TO STA. 109+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	119
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shnpf-005
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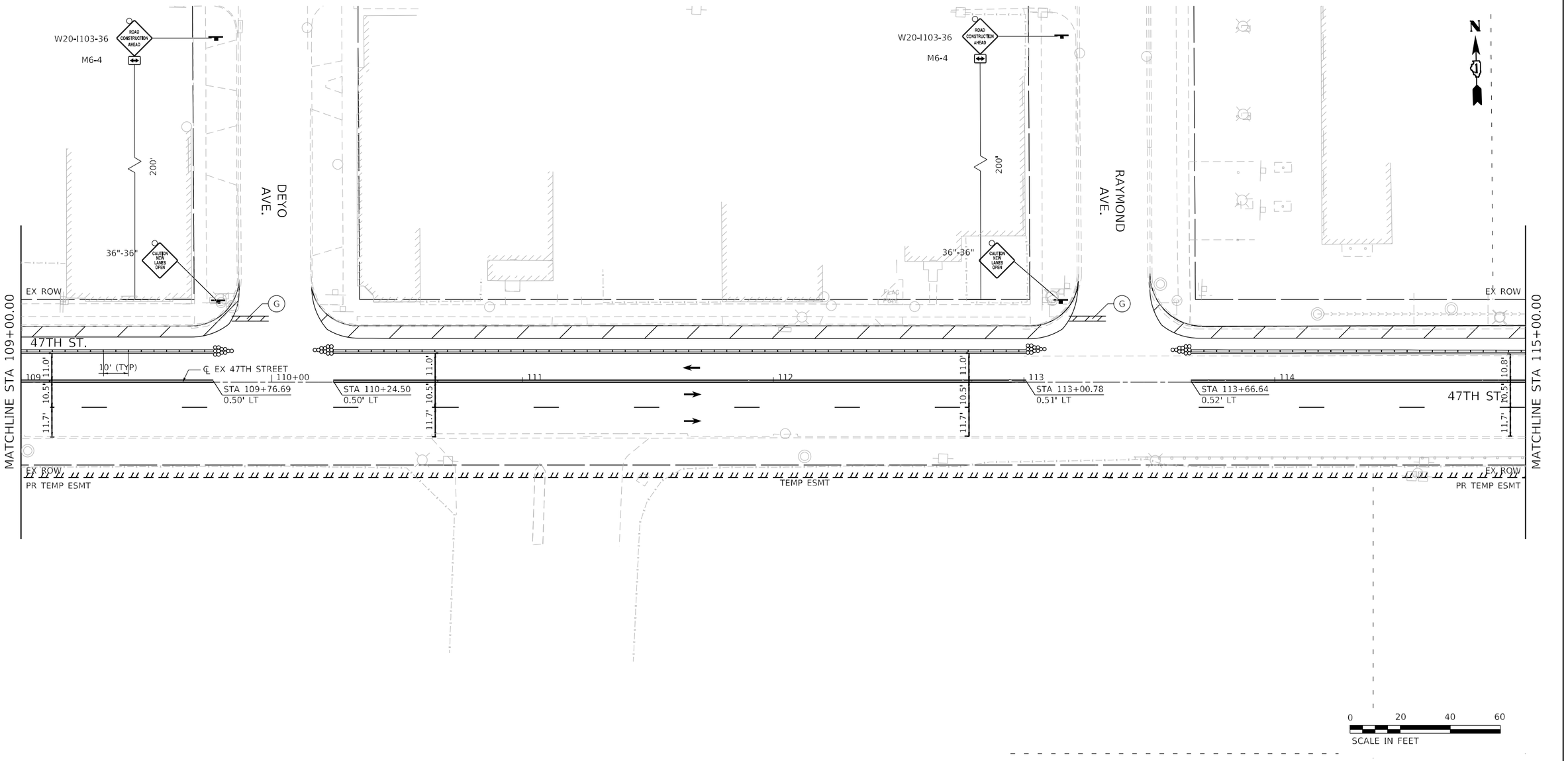

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-22

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 6 OF 12 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	120
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shnpf-006
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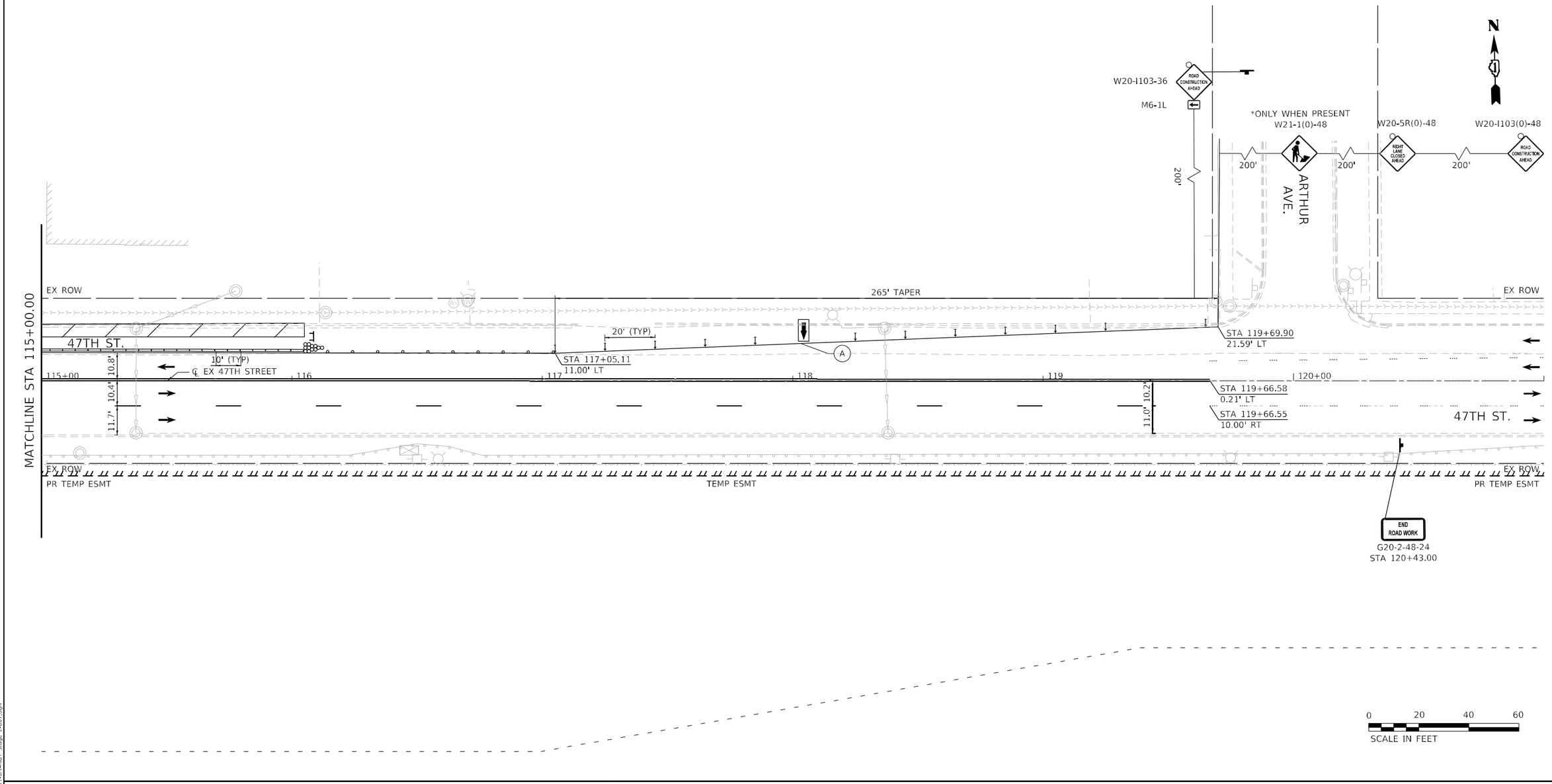

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-23

RS&H

USER NAME = SchaefTN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 7 OF 12 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	121
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D:\62F11-sht-dnpr\62-007
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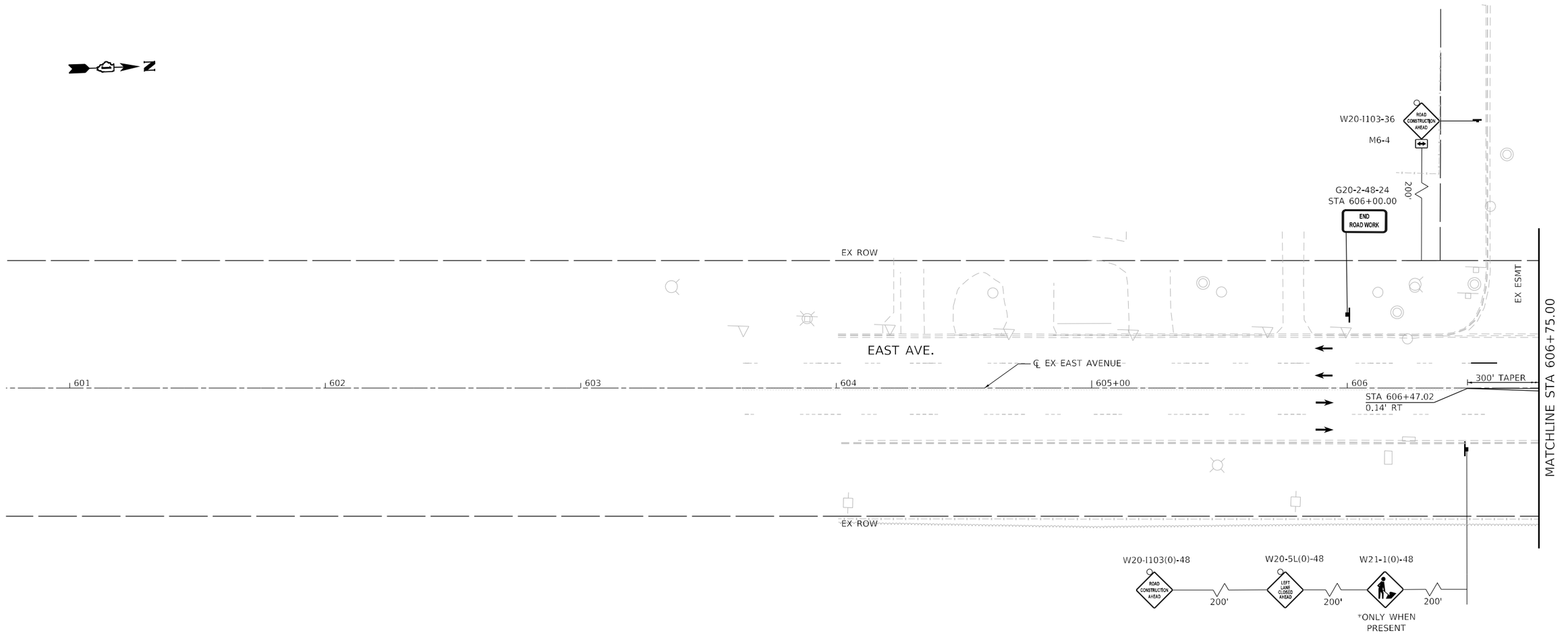

0 20 40 60

SCALE IN FEET

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-24

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 8 OF 12 SHEETS | STA. 601+00.00 TO STA. 606+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	122
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-dnpf-5026
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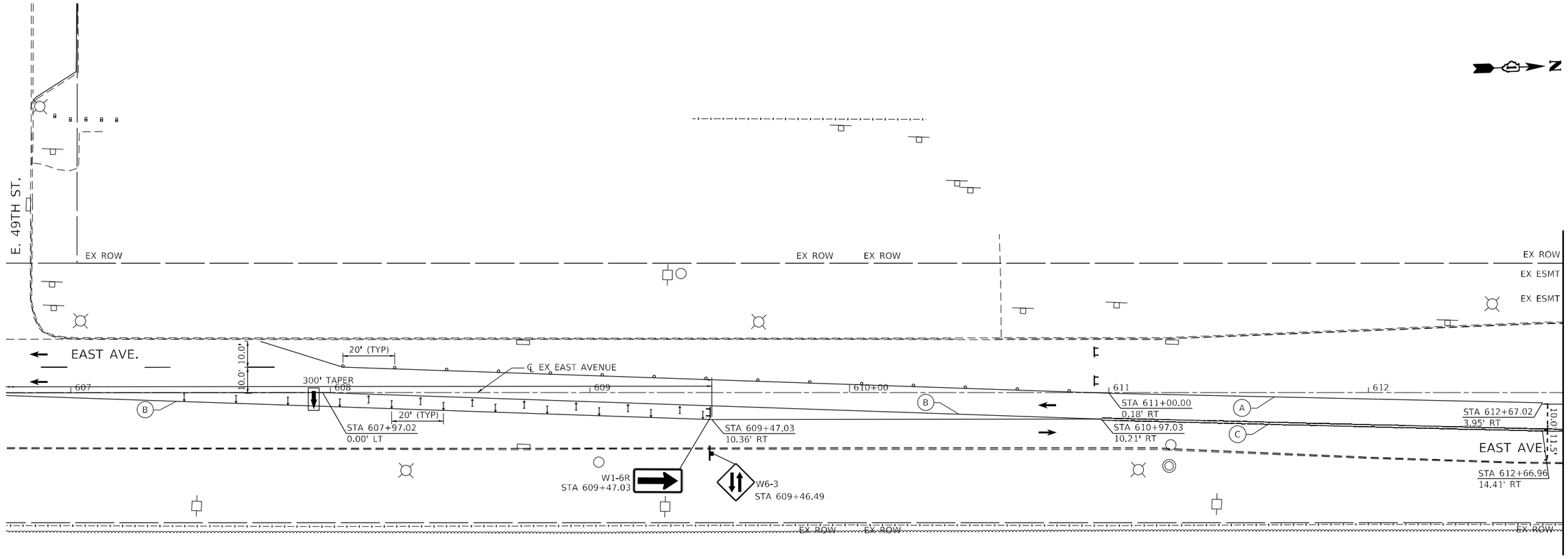

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
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3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-25

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 9 OF 12 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	123
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dnpf-5026
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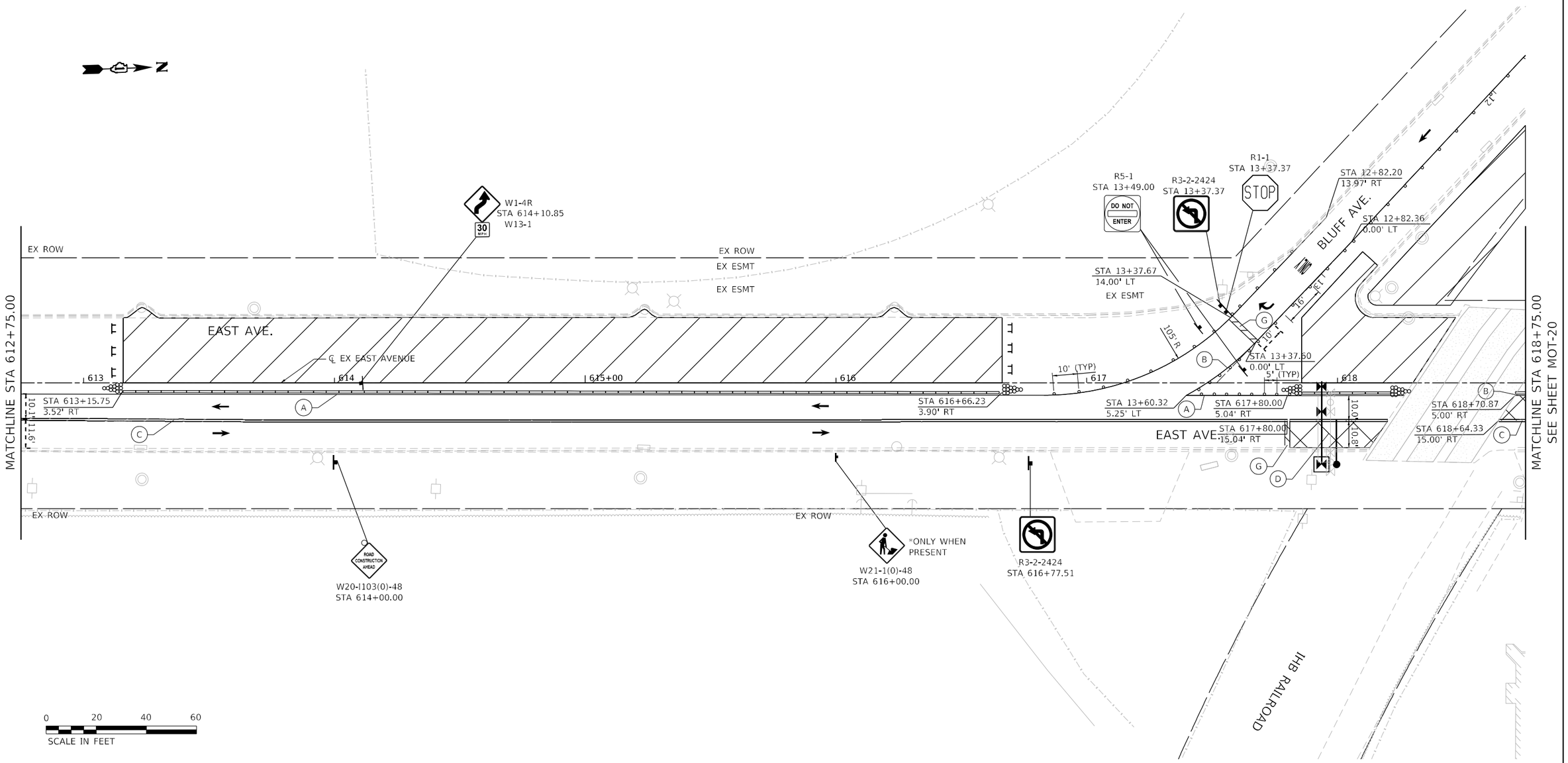

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

(F) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SKIP DASH LINE (2' DASH, 6' SKIP)

(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

1. LOCATIONS OF SIGNS ARE APPROXIMATE. THE ENGINEER SHALL ESTABLISH THE ACCEPTABLE LOCATIONS OF BARRICADES AND SIGNS.
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3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-26

RS&H

USER NAME = SchaefTN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 10 OF 12 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	124
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dmprf-0026
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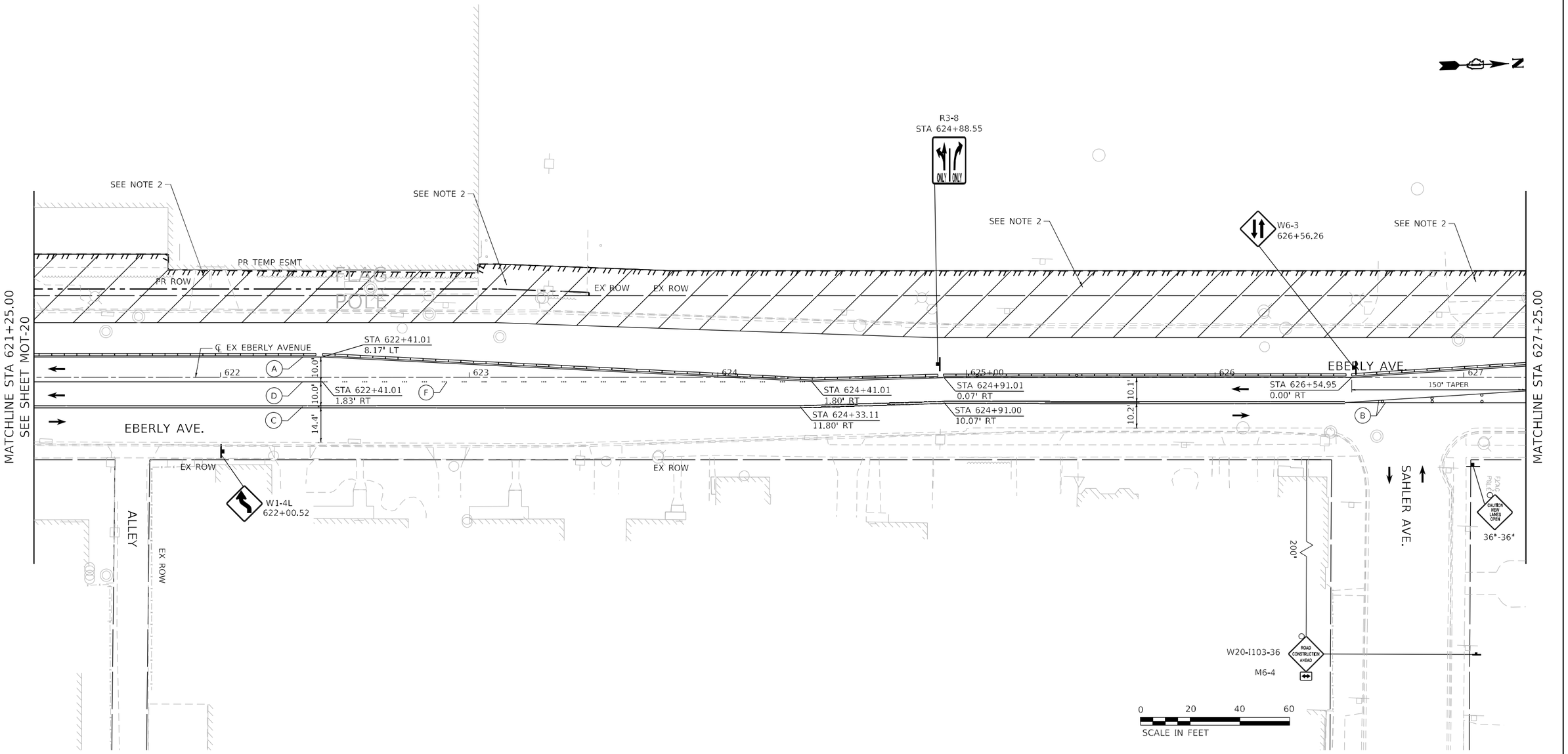

LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

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(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

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3. SEE DETOUR PLAN FOR ADDITIONAL SIGNING.

MOT-27

MODEL: D162F11-sht-dhpf-0027
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CADD\CAD_Sheets\D162F11-sht-MOT Stage 2-013.dgn

RS&H

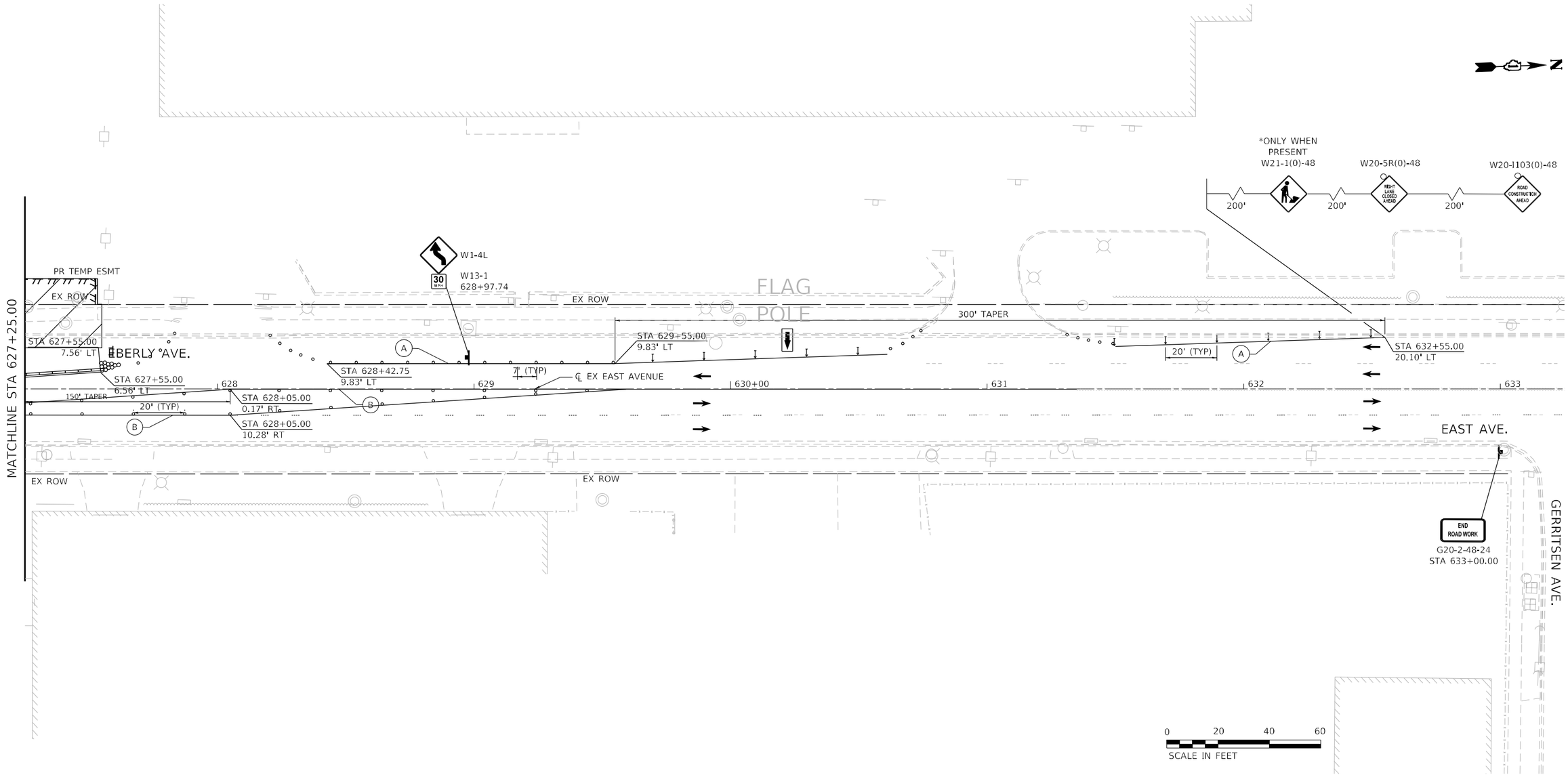
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 11 OF 12 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	125
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- TEMPORARY CONCRETE BARRIER
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- WORK ZONE
- TRAFFIC CONTROL SIGN
- TEST LEVEL 2 IMPACT ATTENUATOR
- DIRECTION OF TRAVEL

(A) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SOLID LINE

(B) PAVEMENT MARKING TAPE, TYPE IV - 4" YELLOW SOLID LINE

(C) PAVEMENT MARKING TAPE, TYPE IV - 4" DOUBLE YELLOW LINE 11" C-C

(D) PAVEMENT MARKING TAPE, TYPE IV - 6" WHITE SOLID LINE

(E) PAVEMENT MARKING TAPE, TYPE IV - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)

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(G) PAVEMENT MARKING TAPE, TYPE IV - 24" WHITE STOP BAR

(H) PAVEMENT MARKING TAPE, TYPE IV - 12" YELLOW DIAGONAL MEDIAN LINE

NOTES

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2. THE CONTRACTOR IS TO MAINTAIN ACCESS TO PUBLIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
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RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/10/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
STAGE 2

SCALE: 1" = 20' | SHEET 12 OF 12 SHEETS | STA. 627+25.00 TO STA. 633+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	126
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-sheprf-0027
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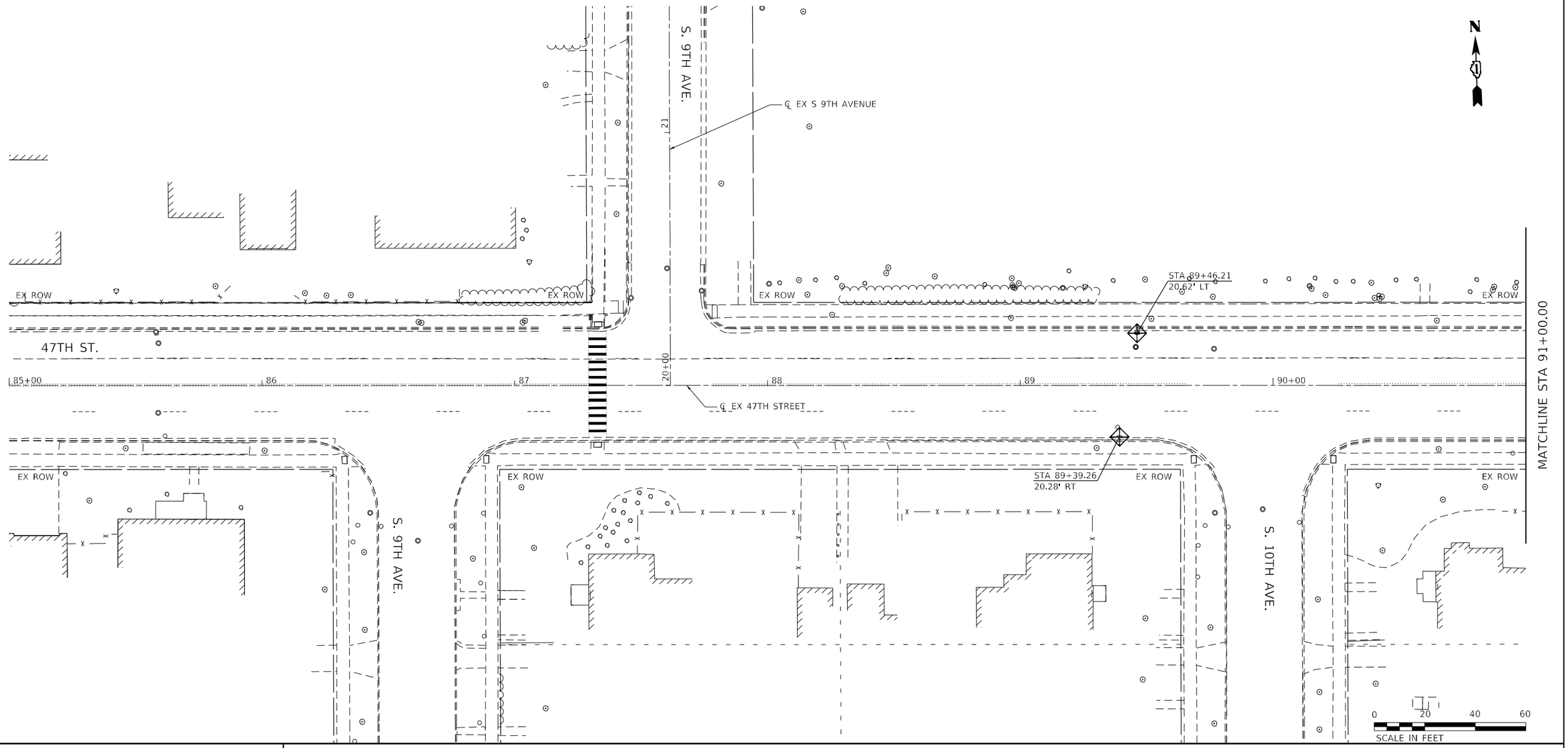

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (https://idot.illinois.gov/content/dam/soi/en/web/idot/documents/transportation-system/manuals-guides-and-handbooks/highways/environment/erosion-and-sediment-control-field-guide-for-construction-inspection.pdf).
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL. 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
11. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
12. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
13. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
15. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
18. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.
19. FOR EXISTING DRAINAGE STRUCTURES SHOWN WITH AN INLET FILTER TO BE REPLACED BY PROPOSED DRAINAGE STRUCTURES IN THE SAME LOCATION, REINSTALL INLET FILTER FROM EXISTING STRUCTURE TO PROPOSED STRUCTURE. REFER TO THE ILLINOIS URBAN MANUAL FOR DROP IN INLET PROTECTION.
20. THE CONTRACTOR SHALL PROVIDE THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
21. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
22. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
23. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

ESC-01

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 1 OF 12 SHEETS | STA. 85+00.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	127
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-shsrf-002
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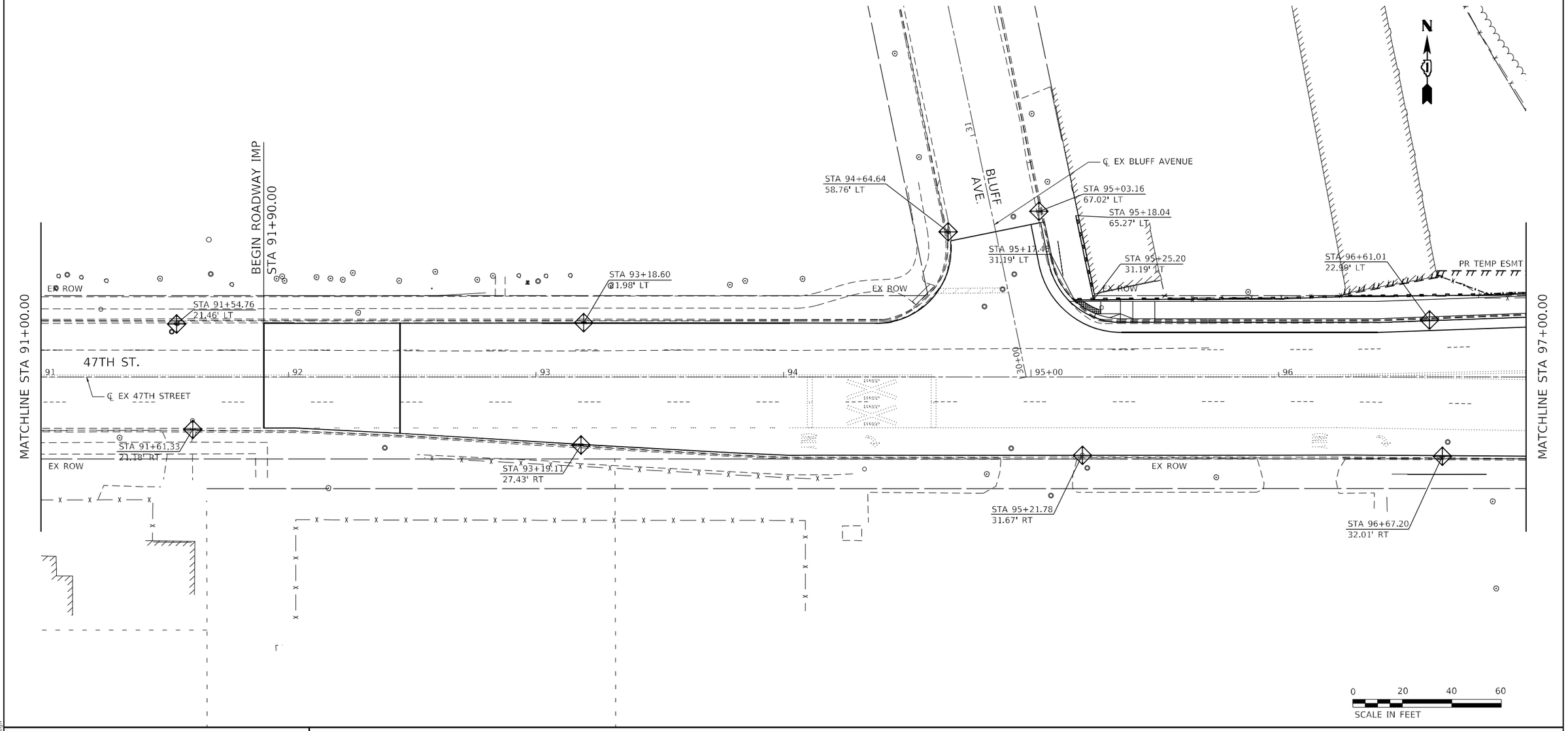

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (https://idot.illinois.gov/content/dam/soi/en/web/idot/documents/transportation-system/manuals-guides-and-handbooks/highways/environment/erosion-and-sediment-control-field-guide-for-construction-inspection.pdf).
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
11. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
12. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
13. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
15. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
18. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.
19. FOR EXISTING DRAINAGE STRUCTURES SHOWN WITH AN INLET FILTER TO BE REPLACED BY PROPOSED DRAINAGE STRUCTURES IN THE SAME LOCATION, REINSTALL INLET FILTER FROM EXISTING STRUCTURE TO PROPOSED STRUCTURE. REFER TO THE ILLINOIS URBAN MANUAL FOR DROP IN INLET PROTECTION.
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21. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
22. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
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ESC-02

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 2 OF 12 SHEETS | STA. 91+00.00 TO STA. 97+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	128
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plnpf-003
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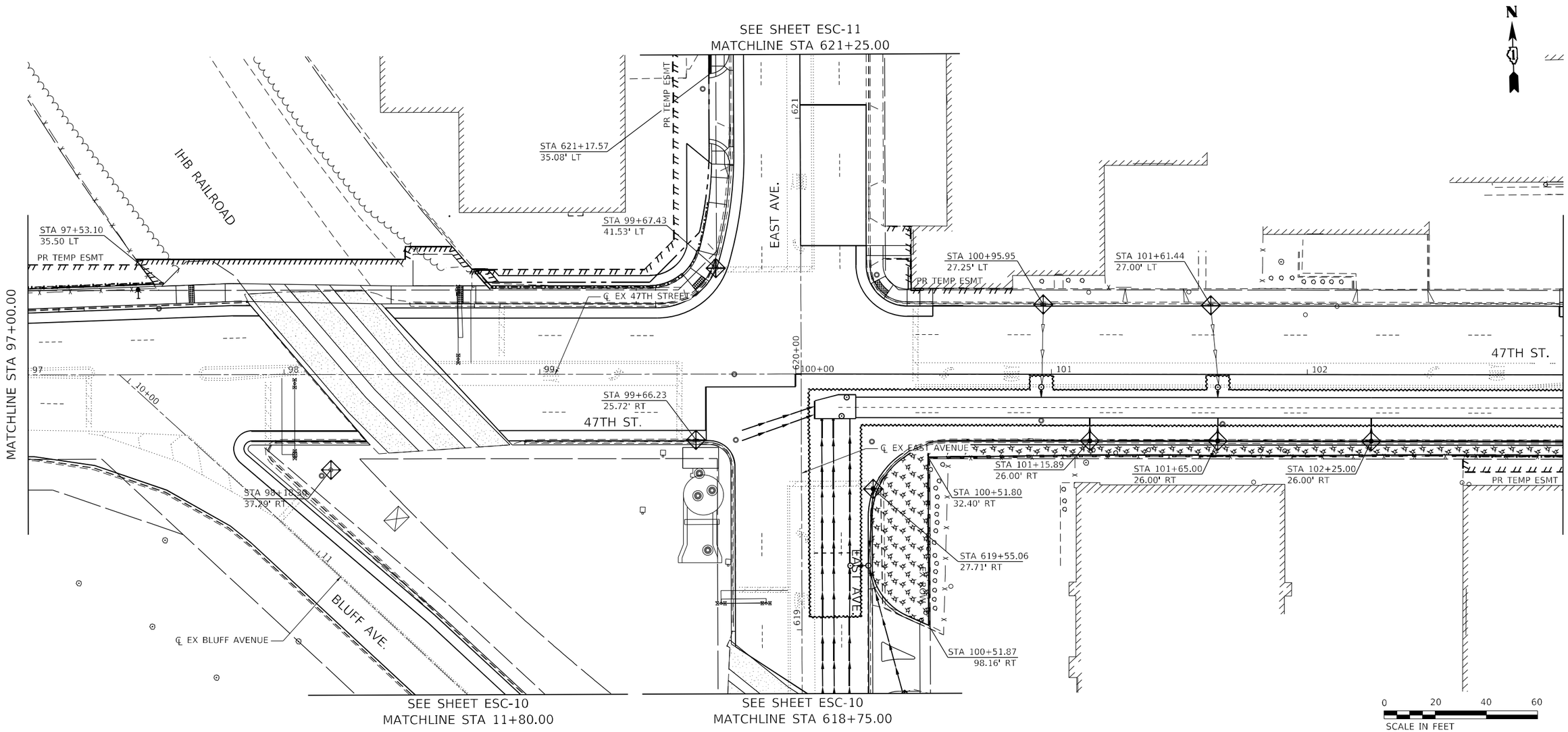

LEGEND

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- PERIMETER EROSION BARRIER
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- RIPRAP

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ESC-03

RS&H

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PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 3 OF 12 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	129
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\62F11-sht-plnpf-004
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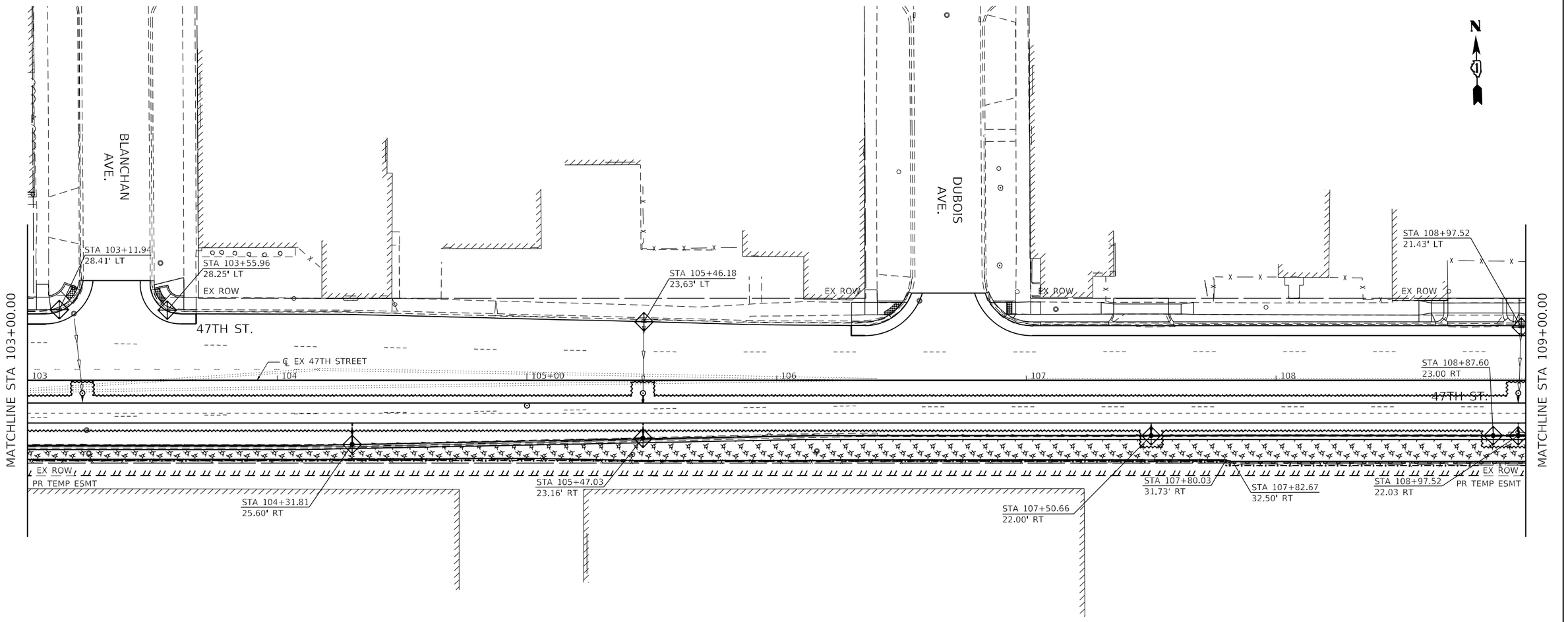

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
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- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

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ESC-04

RS&H

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EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 4 OF 12 SHEETS | STA. 103+00.00 TO STA. 109+00.00

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2719	3212TS-RR	COOK	336	130
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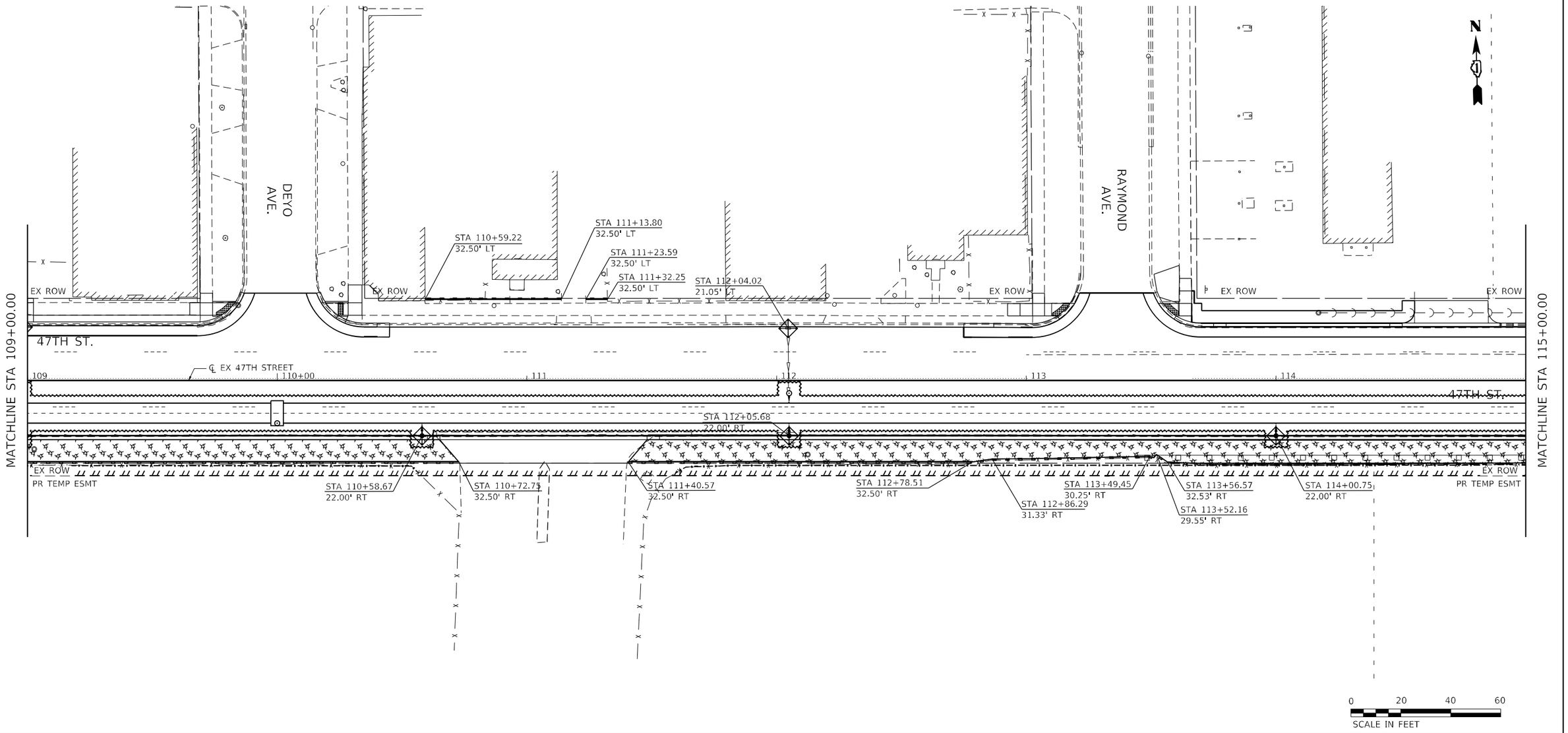
MODEL: D162F11-sht-dnpf-005
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-eros-005.dgn



LEGEND

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ESC–05

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 5 OF 12 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	131
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-shpr-006
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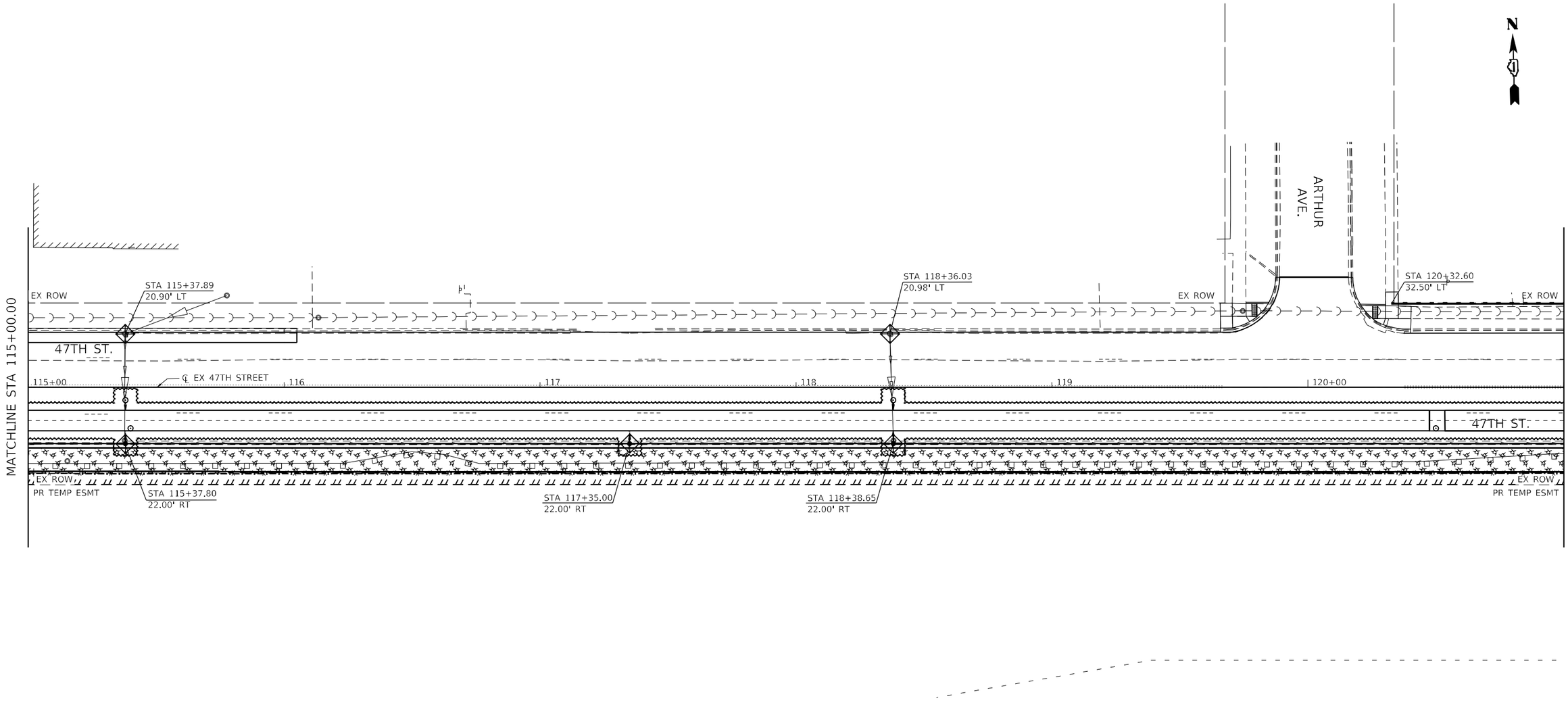

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

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ESC-06

RS&H

USER NAME = SchaeffN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 6 OF 12 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	132
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D:\62F11-sht-dnpf-007
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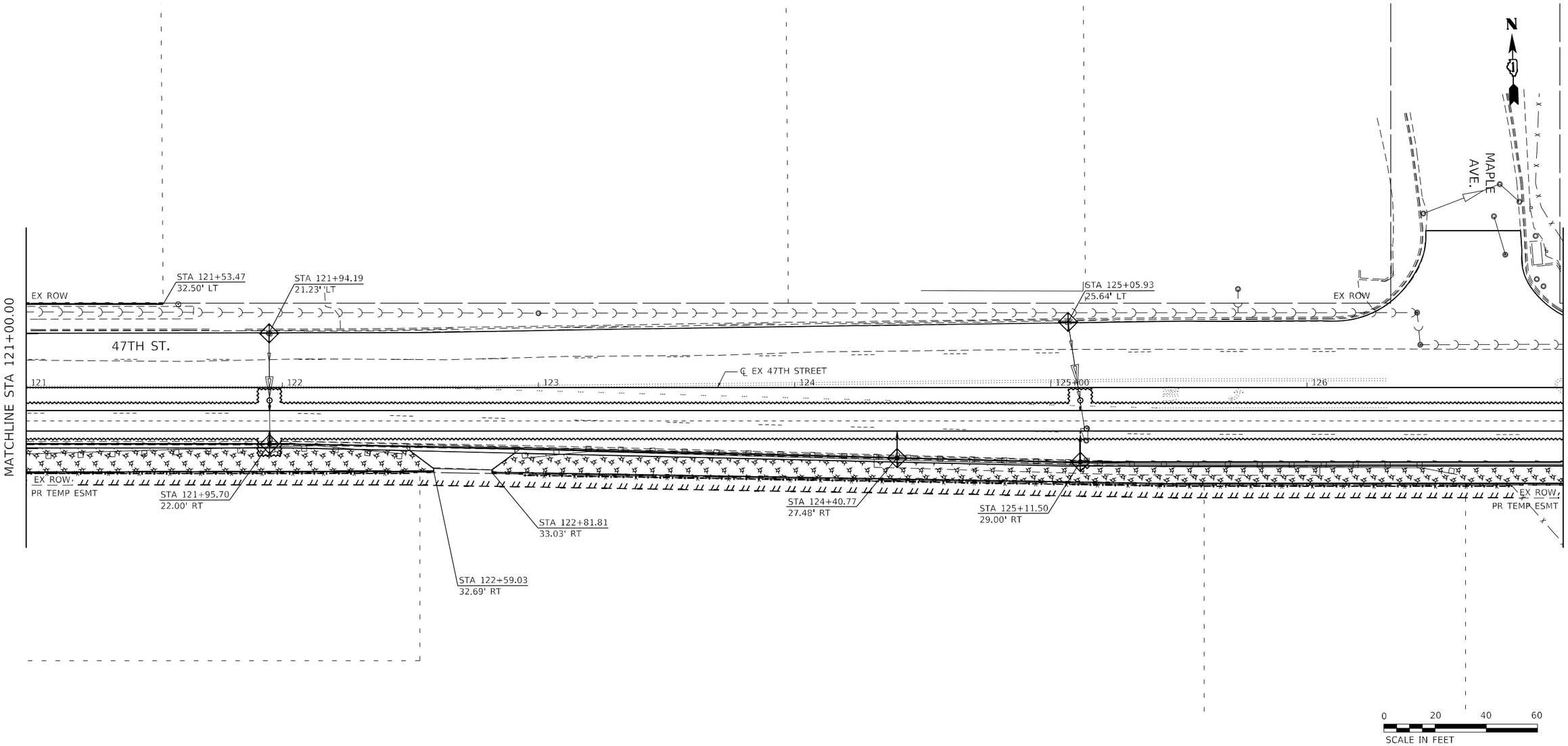

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

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ESC-07

RS&H

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	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 7 OF 12 SHEETS | STA. 121+00.00 TO STA. 127+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	133
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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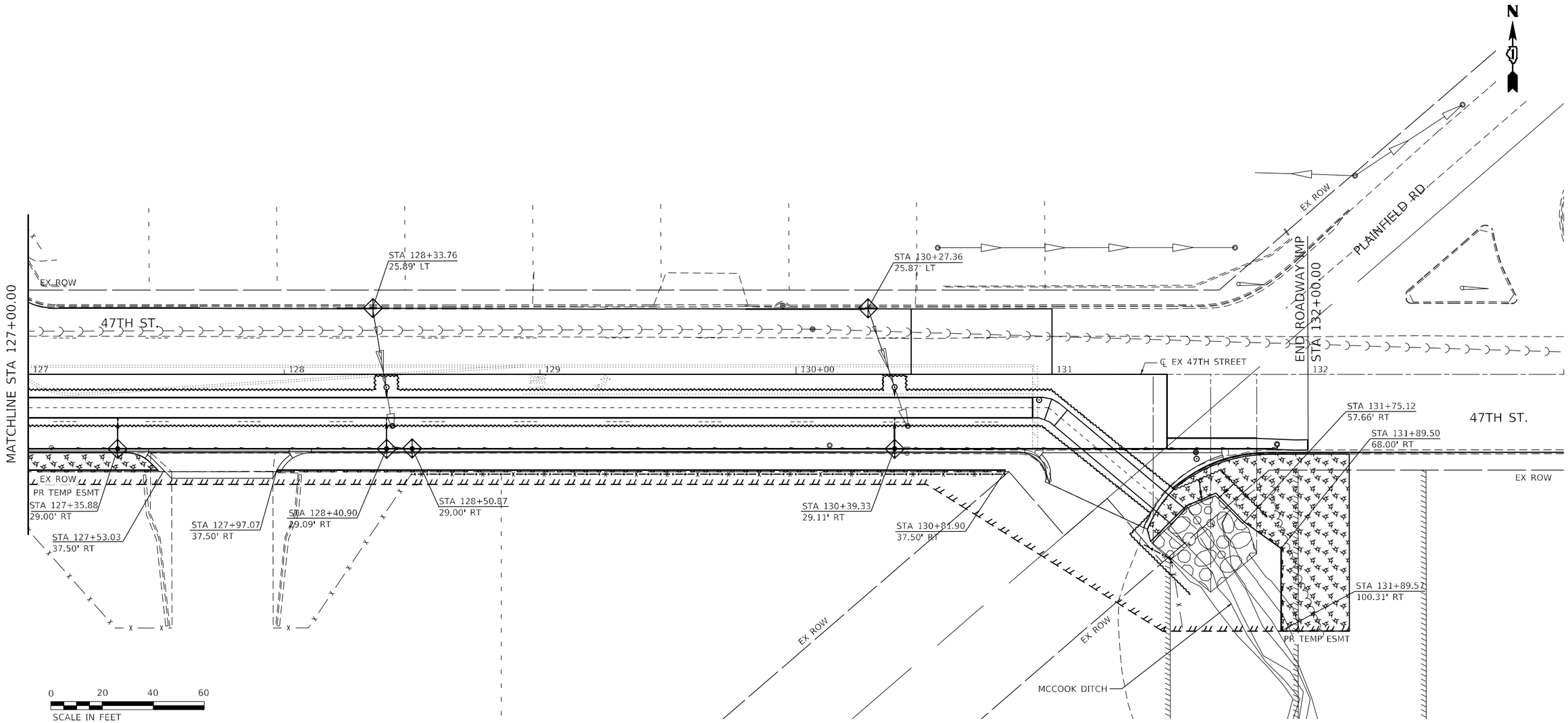

LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
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15. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
18. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.
19. FOR EXISTING DRAINAGE STRUCTURES SHOWN WITH AN INLET FILTER TO BE REPLACED BY PROPOSED DRAINAGE STRUCTURES IN THE SAME LOCATION, REINSTALL INLET FILTER FROM EXISTING STRUCTURE TO PROPOSED STRUCTURE. REFER TO THE ILLINOIS URBAN MANUAL FOR DROP IN INLET PROTECTION.
20. THE CONTRACTOR SHALL PROVIDE THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
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ESC-08

MODEL: D162F11-sht-dmprf-009
FILE NAME: X:\PW\13-2024-000 47th Street at East Avenue\CADD\CAD Sheets\D 62F11-sht-ero-009.dgn

RS&H

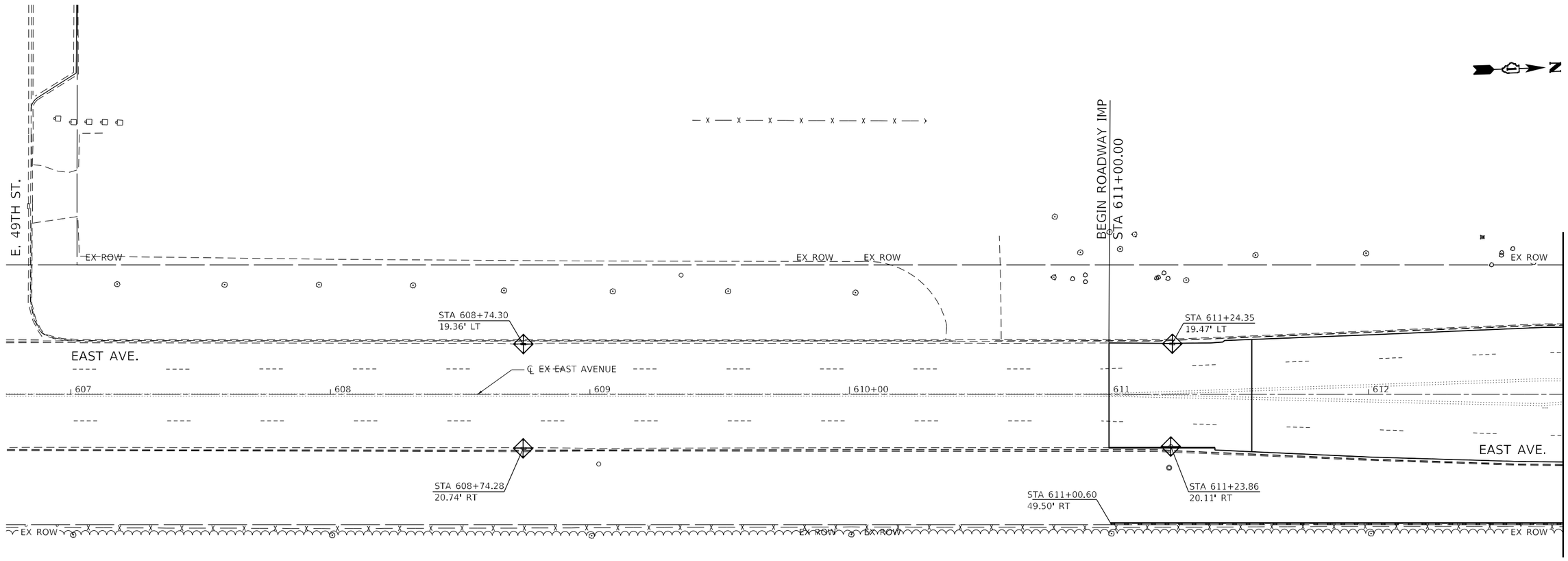
USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 8 OF 12 SHEETS | STA. 127+00.00 TO STA. 132+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	134
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

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2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
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6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
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ESC-09

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

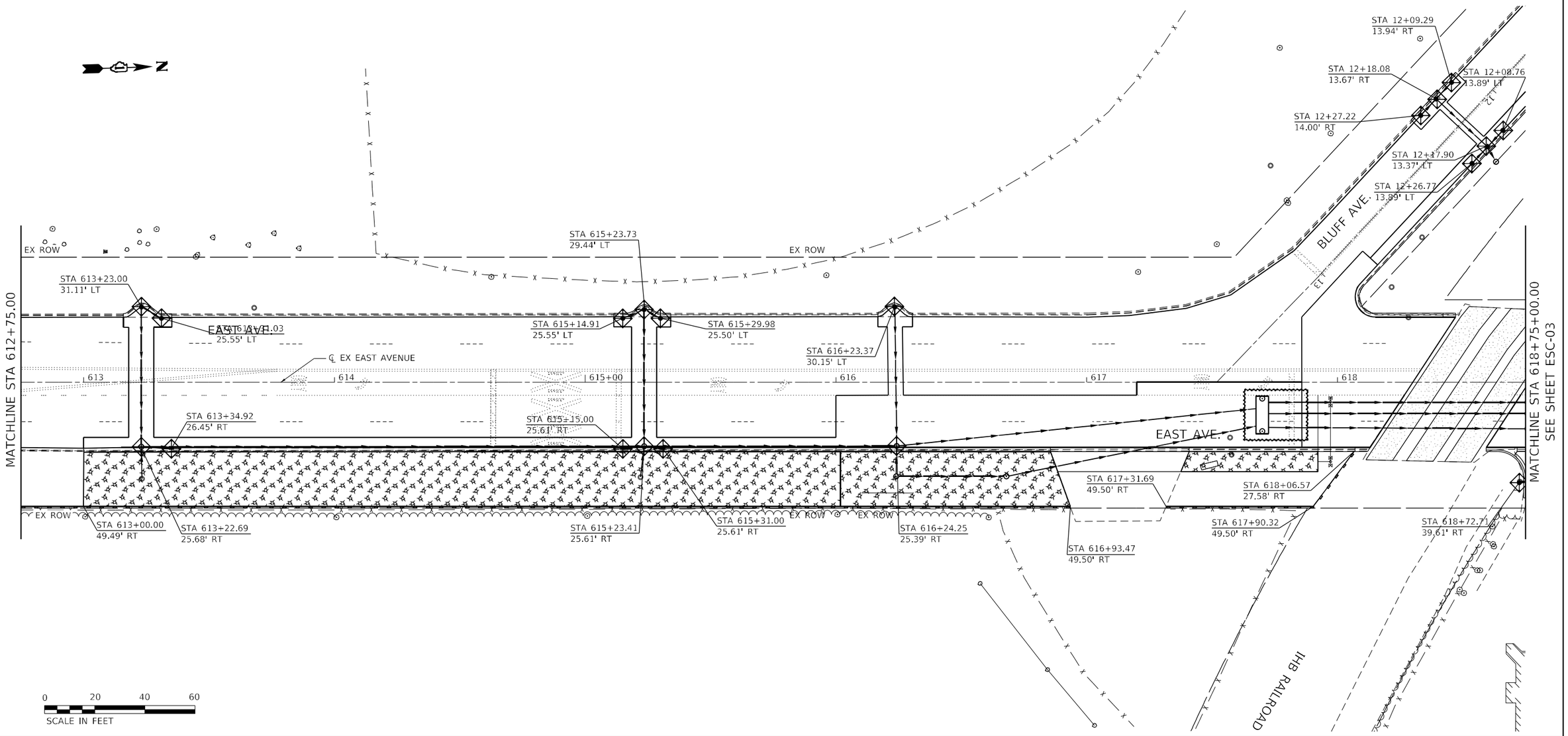
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 9 OF 12 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	135
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-shpf-5026
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-eros-011.dgn



LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

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ESC-10

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

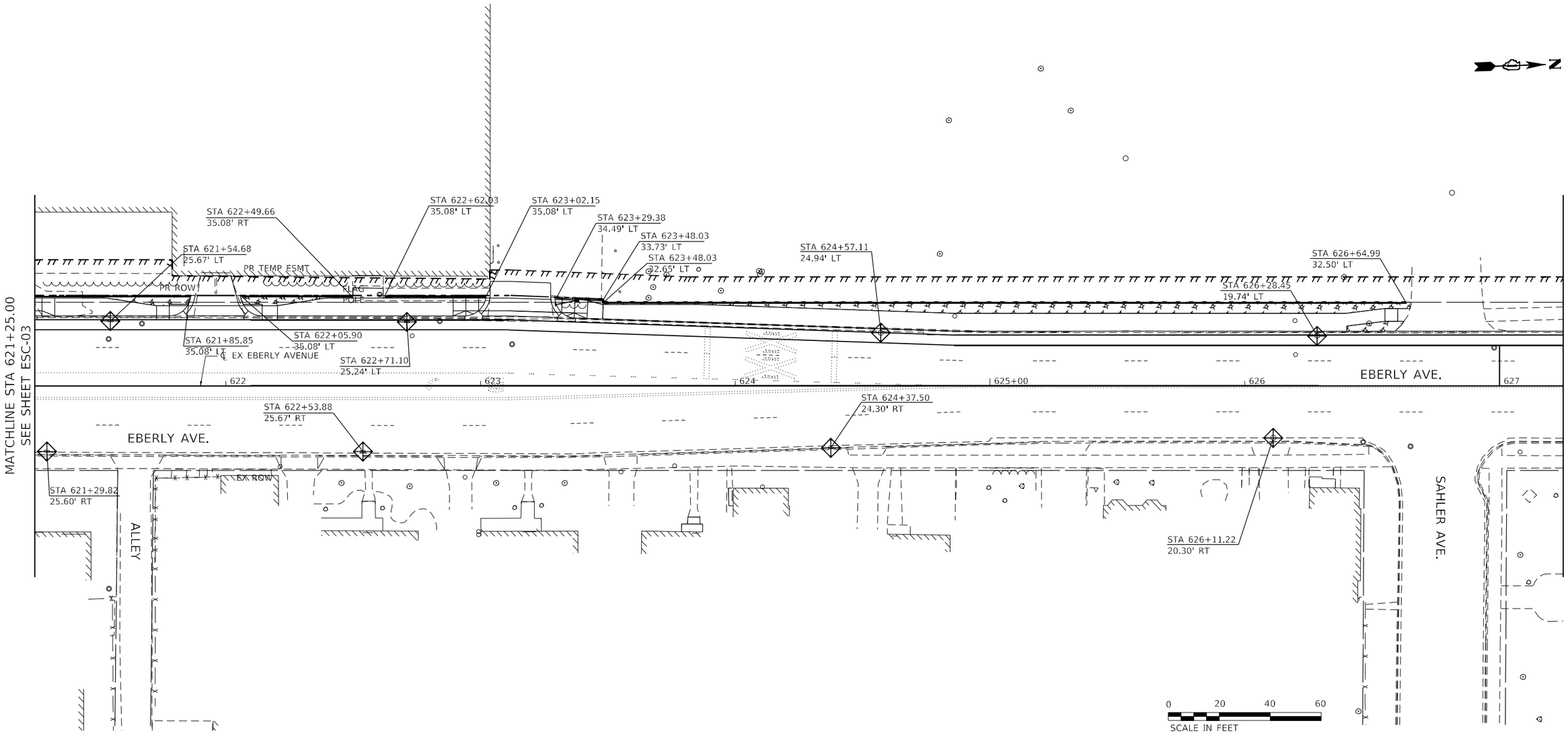
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 10 OF 12 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	136
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-dnpr5-0026
FILE NAME: X:\Pr\13-0024-506 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-eros-012.dgn



LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

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20. THE CONTRACTOR SHALL PROVIDE THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
21. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
22. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
23. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

MODEL: D162F11-sht-dnpr45027
FILE NAME: X:\Pln\13-2024-006 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-eros-013.dgn

RS&H

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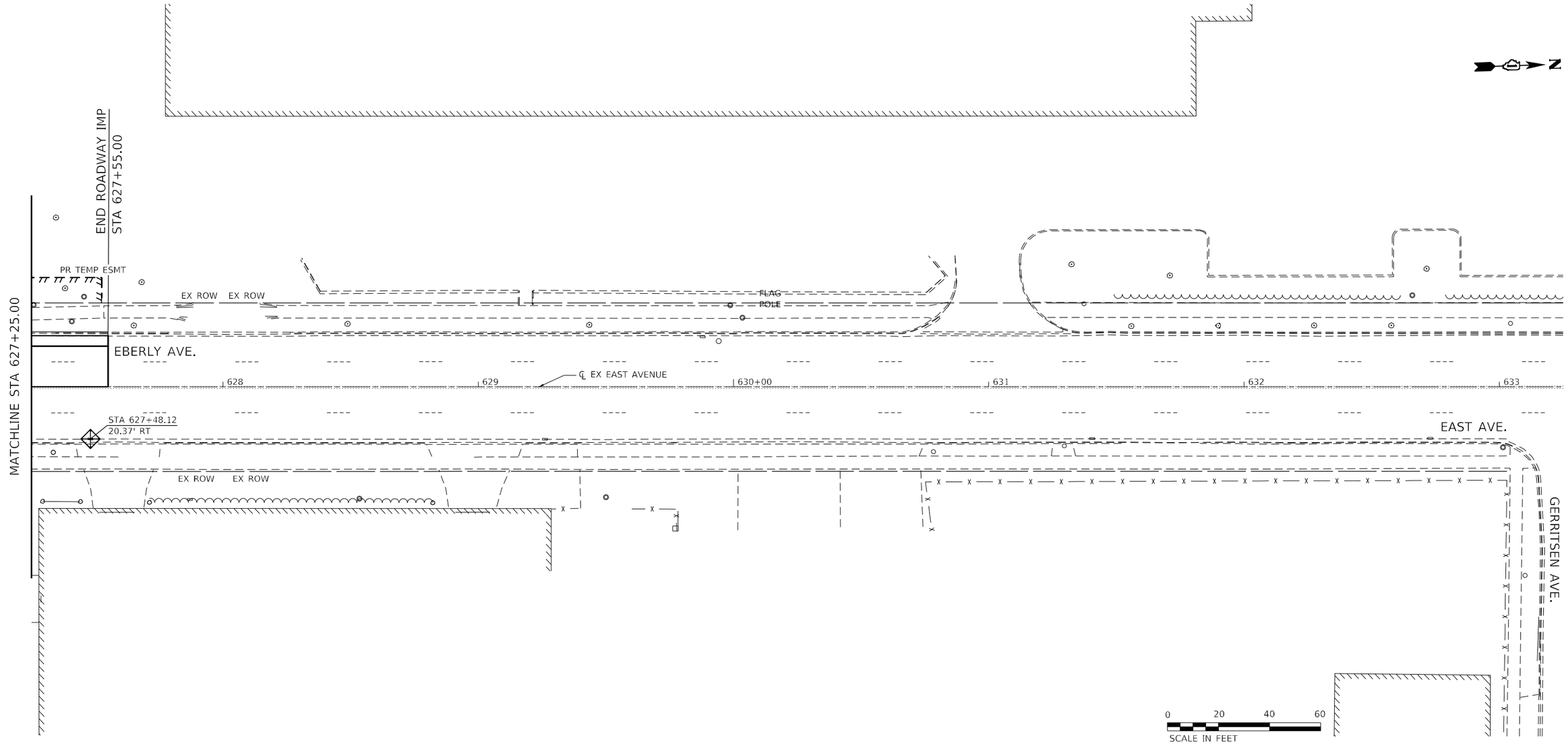
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 11 OF 12 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	137
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- RIPRAP

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (https://idot.illinois.gov/content/dam/soi/en/web/idot/documents/transportation-system/manuals-guides-and-handbooks/highways/environment/erosion-and-sediment-control-field-guide-for-construction-inspection.pdf).
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
11. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
12. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
13. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
15. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
18. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.
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ESC-12

RS&H

USER NAME = SchaefN	DESIGNED - DMS	REVISED -
	DRAWN - JMP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
TEMPORARY DRAINAGE AND EROSION AND SEDIMENT CONTROL PLANS

SCALE: 1" = 20' | SHEET 12 OF 12 SHEETS | STA. 627+25.00 TO STA. 633+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	138
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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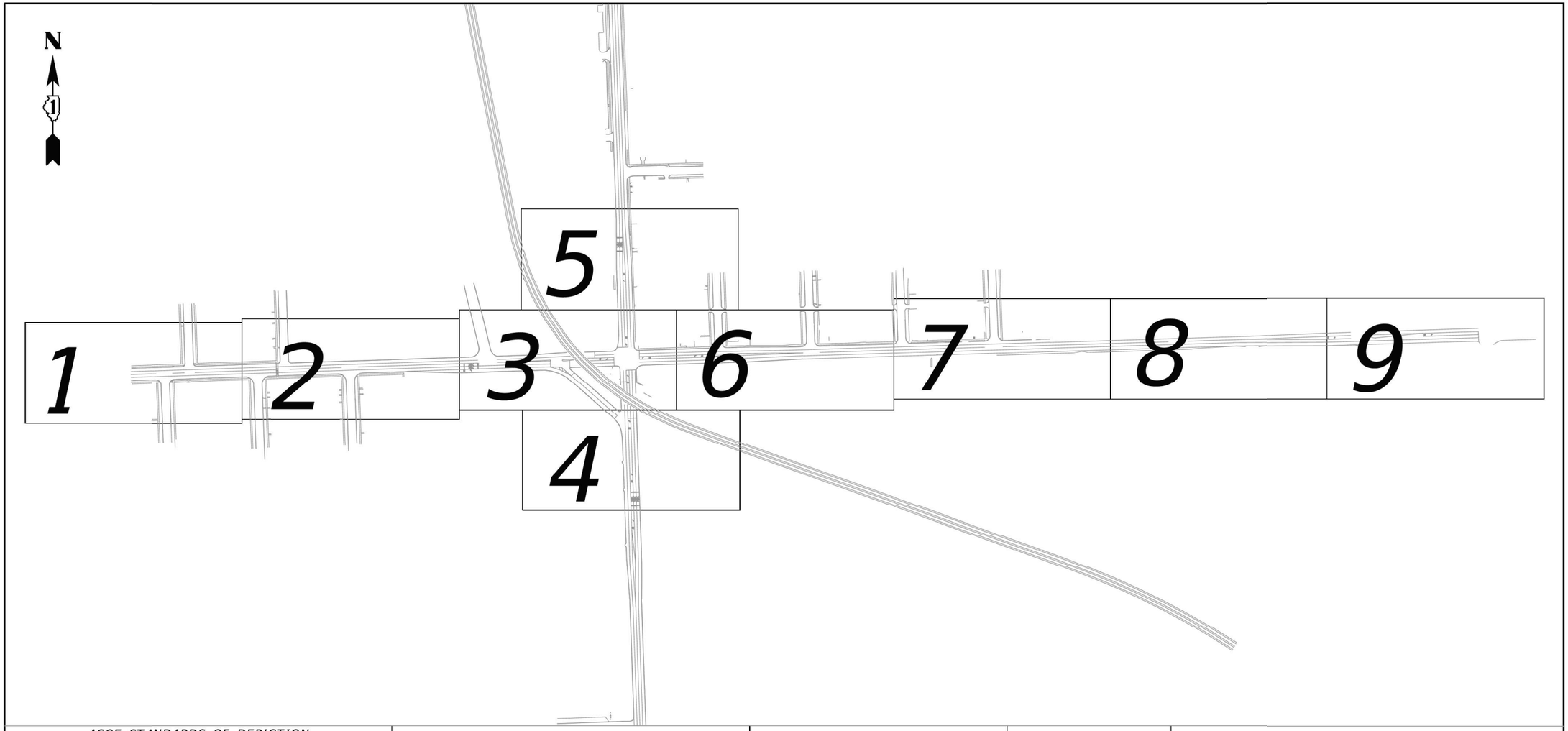

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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WGI's FIELD INVESTIGATION (W.O. 210) WAS PERFORMED 01/27/2020 THROUGH 02/10/2020. CHANGES TO UTILITIES AFTER 02/10/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD INVESTIGATION (W.O. 224) WAS EXTENDED TO THE WEST ALONG 47th ST. BETWEEN BLUFF AVE. AND S. 8th AVE. AND WAS PERFORMED 2/17/2020 THROUGH 2/20/2020

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

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UTILITY LEGEND:

- A — AERIAL
- UNKNOWN UTILITY
- O — OIL
- CTV — CABLE TV
- T — TELEPHONE
- G — GAS
- E — ELECTRIC
- E — TRAFFIC SIGNAL/LIGHTING
- W — WATER
- FORCE MAIN
- FO — FIBER OPTIC
- EOI — TEST HOLE
- END OF INFORMATION
- ED — ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature

3/23/2020
date

license expires 11/30/2021

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Cert No. 6091 - LB No. 7055

USER NAME = Blake.Bussard	DESIGNED -		REVISED -
	DRAWN - BB		REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG		REVISED -
PLOT DATE = 3/23/2020	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK		
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

IDOT W.O 210 & 224

UTL-01

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS		REVISED -
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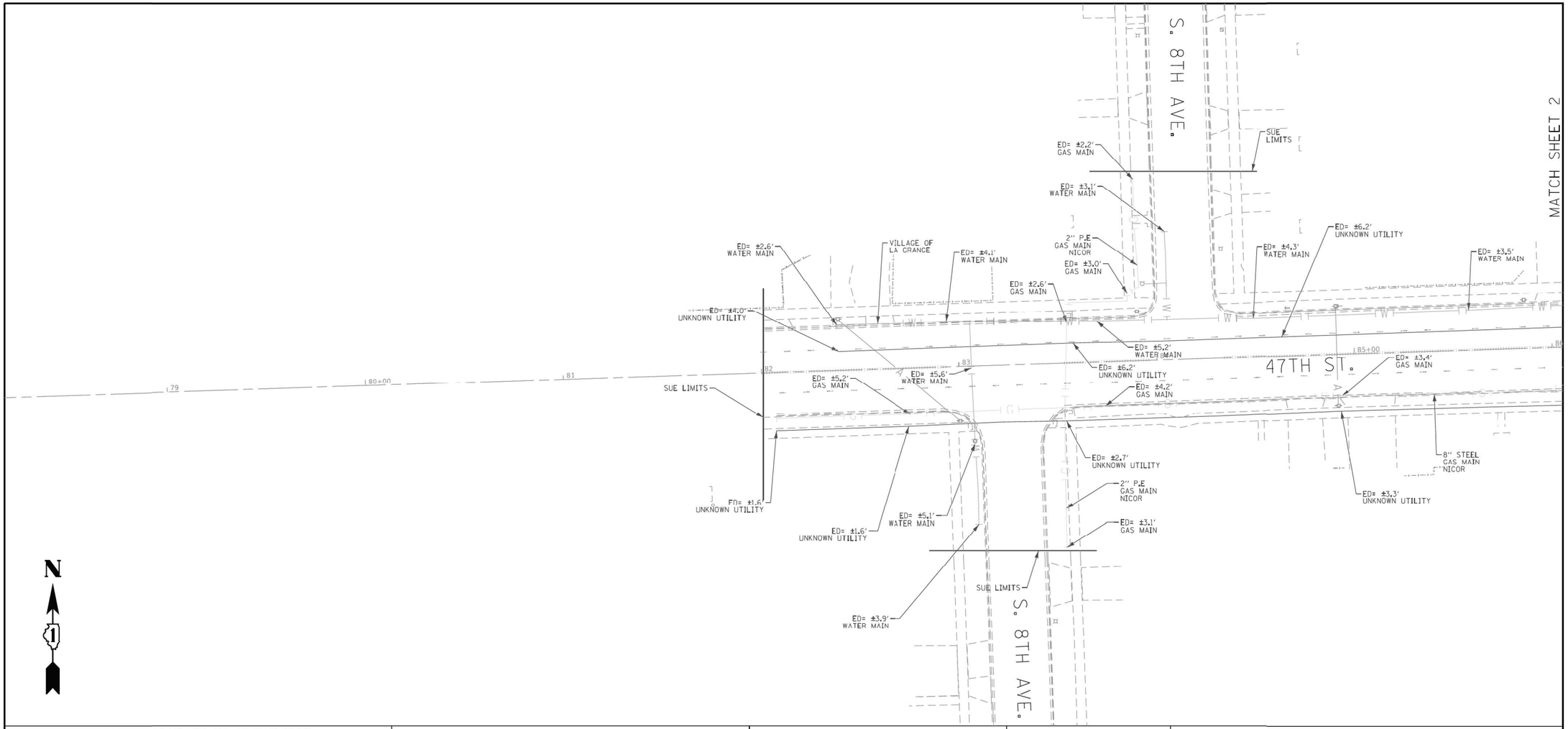
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG		REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 1 OF 10 SHEETS | STA. 85+00 TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	139
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

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INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

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UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature
3/23/2020
date

license expires 11/30/2021

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USER NAME = Blake,Bussard	DESIGNED -	REVISED -
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PLOT SCALE = 50.0000 ' / In.	CHECKED - EG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	1
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL-02

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
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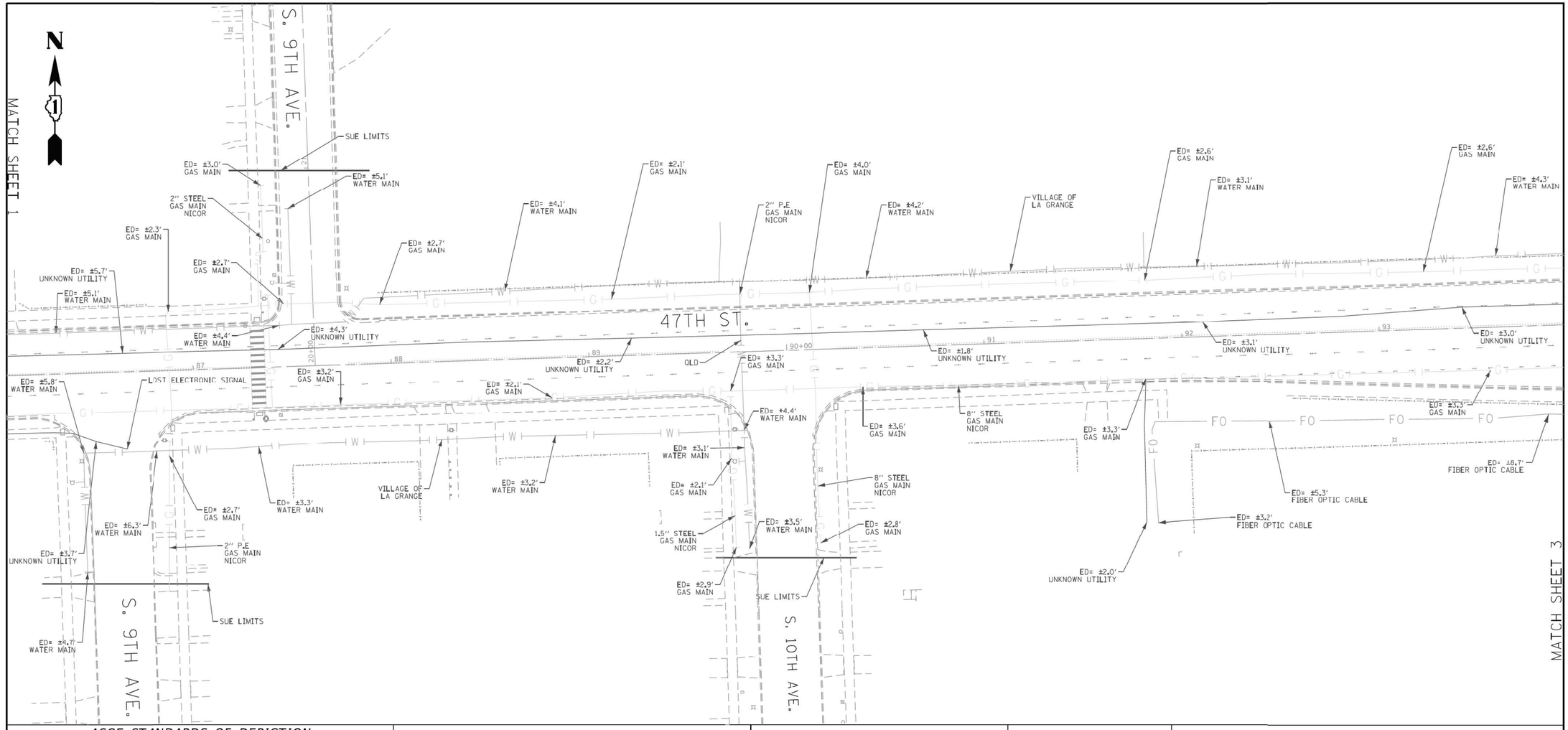
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	140
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	2
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

IDOT W.O. 210 & 224

UTL–03

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

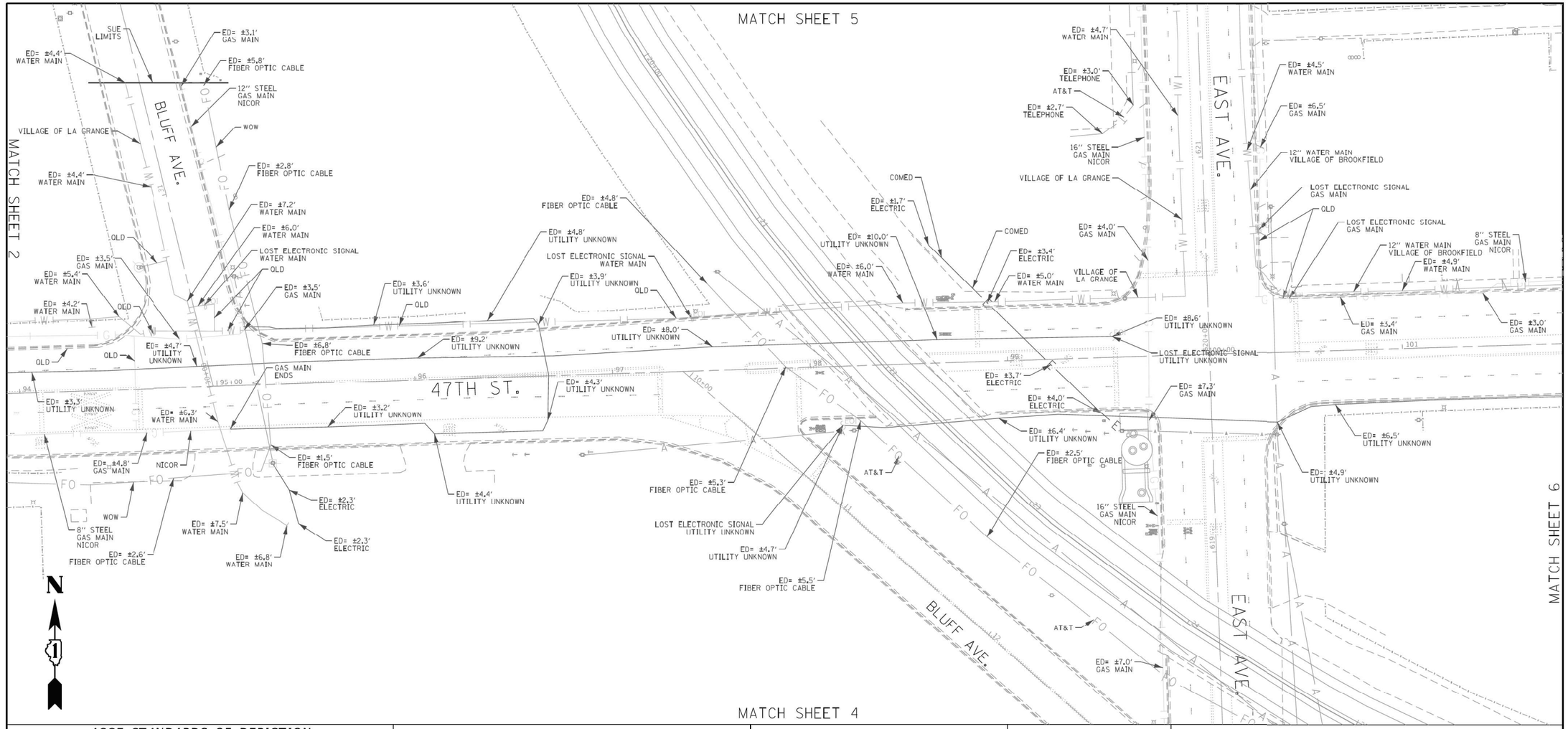
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 3 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	141
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI's FIELD INVESTIGATION (W.O. 210) WAS PERFORMED 01/27/2020 THROUGH 02/10/2020. CHANGES TO UTILITIES AFTER 02/10/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD INVESTIGATION (W.O. 224) WAS EXTENDED TO THE WEST ALONG 47th ST. BETWEEN BLUFF AVE. AND S. 8th AVE. AND WAS PERFORMED 2/17/2020 THROUGH 2/20/2020

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

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ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature
3/23/2020
date
license expires 11/30/2021

SANCHEZ
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WGI
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Downers Grove, IL 60515
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Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

USER NAME = Blake.Bussard	DESIGNED -	REVISED -
	DRAWN - BB	REVISED -
PLOT SCALE = 50.0000 ' / In.	CHECKED - EG	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS
SCALE: | SHEET 3 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	3
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL–04

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / In.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

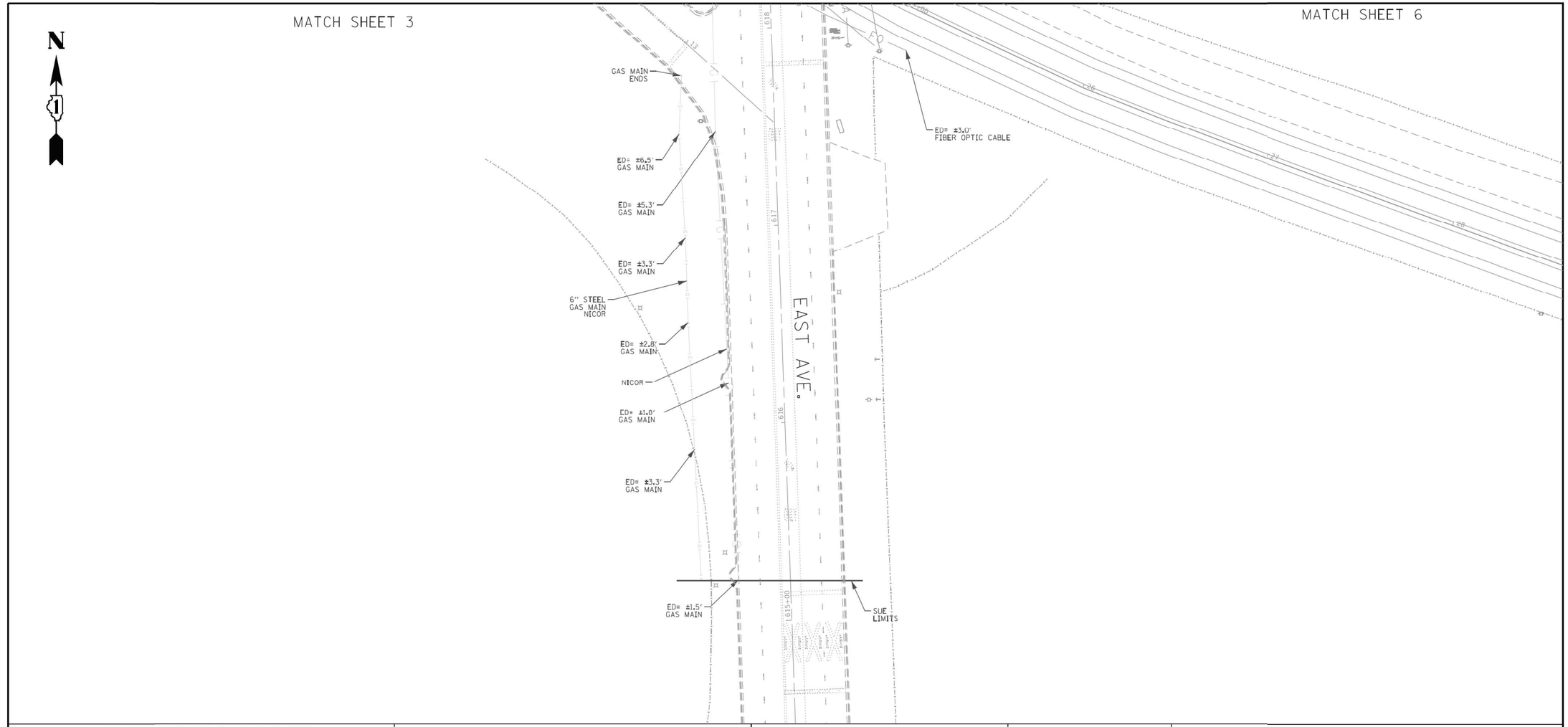
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS
SCALE: 1"=20' | SHEET 4 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	142
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MATCH SHEET 3

MATCH SHEET 6



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

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- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
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signature

3/23/2020
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USER NAME = Blake.Bussard	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	4
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL-05

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 5 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	143
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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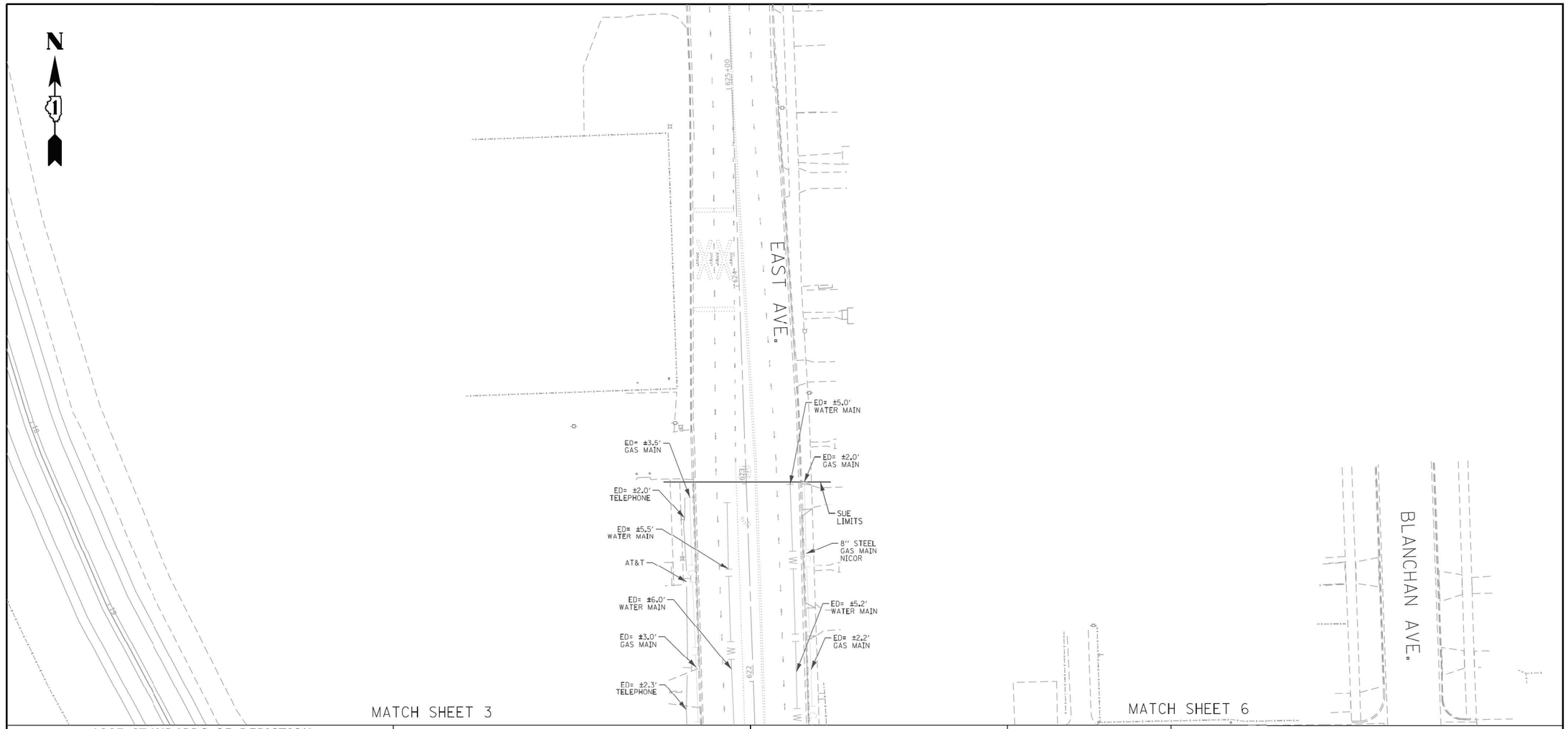

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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QUALITY LEVEL D (QLD)
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JOHN J. BELLIS
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USER NAME = Blake.Bussard	DESIGNED -	REVISED -	
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PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	5
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL–06

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 6 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	144
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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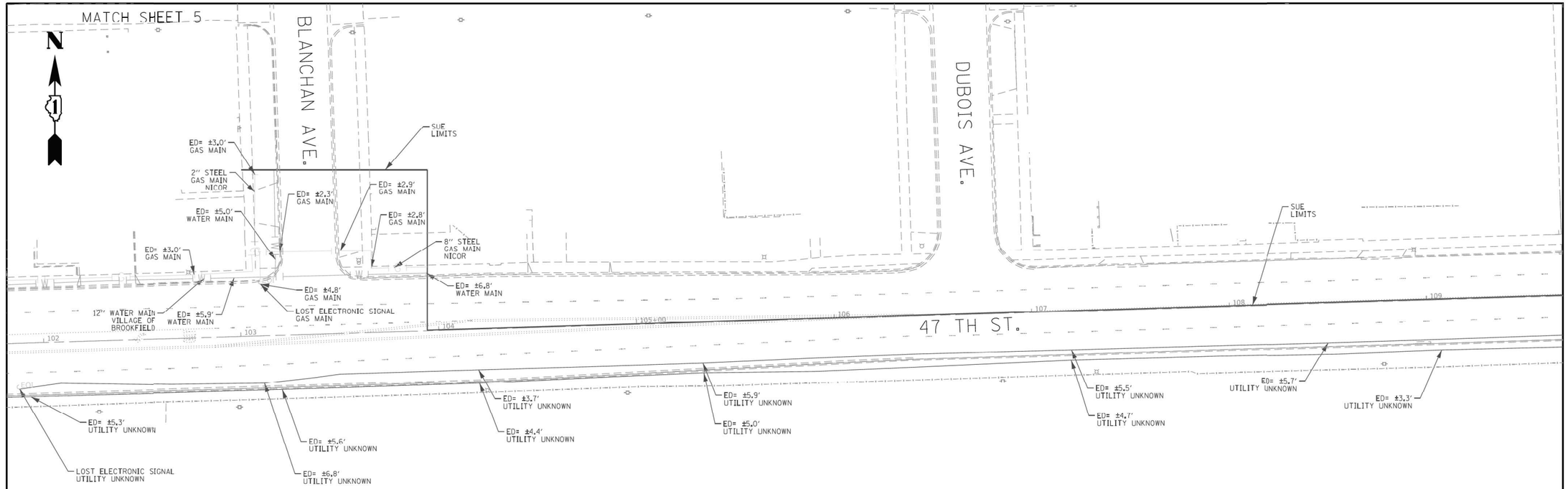

MATCH SHEET 3

MATCH SHEET 4

MATCH SHEET 7

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL C (QLC)
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QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

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PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	6
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O 210 & 224

UTL–07

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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STATE OF ILLINOIS
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EAST AVENUE AT 47TH STREET
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SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

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2719	3212TS-RR	COOK	336	145
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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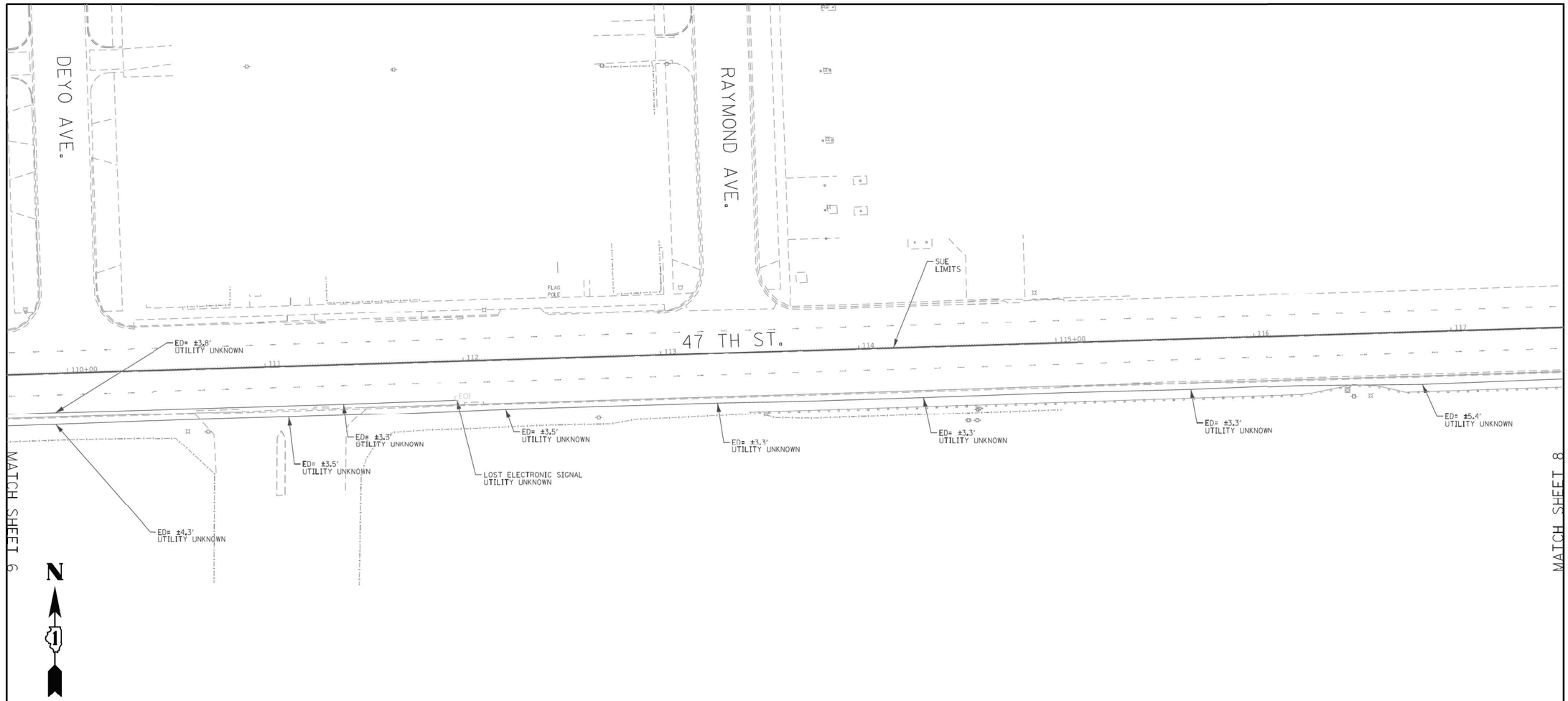

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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FIELD INVESTIGATION (W.O. 224) WAS EXTENDED TO THE WEST ALONG 47th ST. BETWEEN BLUFF AVE. AND S. 8th AVE. AND WAS PERFORMED 2/17/2020 THROUGH 2/20/2020

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature
3/23/2020
date

license expires 11/30/2021

SANCHEZ
Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144

WGI
2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

USER NAME = Blake.Bussard	DESIGNED -	REVISED -
	DRAWN - BB	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	7
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL–08

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 8 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	146
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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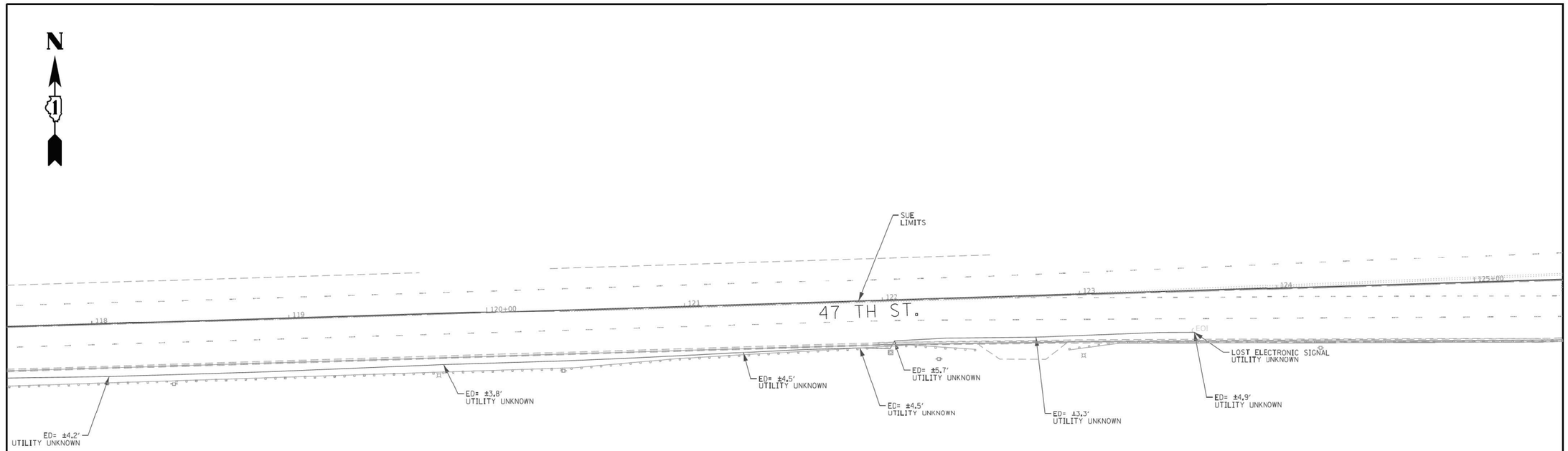

MATCH SHEET 7

MATCH SHEET 9

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILTIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI's FIELD INVESTIGATION (W.O. 210) WAS PERFORMED 01/27/2020 THROUGH 02/10/2020. CHANGES TO UTILITIES AFTER 02/10/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD INVESTIGATION (W.O. 224) WAS EXTENDED TO THE WEST ALONG 47th ST. BETWEEN BLUFF AVE. AND S. 8th AVE. AND WAS PERFORMED 2/17/2020 THROUGH 2/20/2020

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

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ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

- A — A — AERIAL
- UNKNOWN UTILITY
- O — O — OIL
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- G — G — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- FORCE MAIN
- FO — FO — FIBER OPTIC
- TEST HOLE
- EOI — END OF INFORMATION
- ED — ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature

3/23/2020
date

license expires 11/30/2021

SANCHEZ
Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
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WGI
2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

USER NAME = Blake.Bussard	DESIGNED -	REVISED -
	DRAWN - BB	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 8 OF 9 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	8
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL-09

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 9 OF 10 SHEETS | STA. 85+00 TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	147
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-shnpf-002
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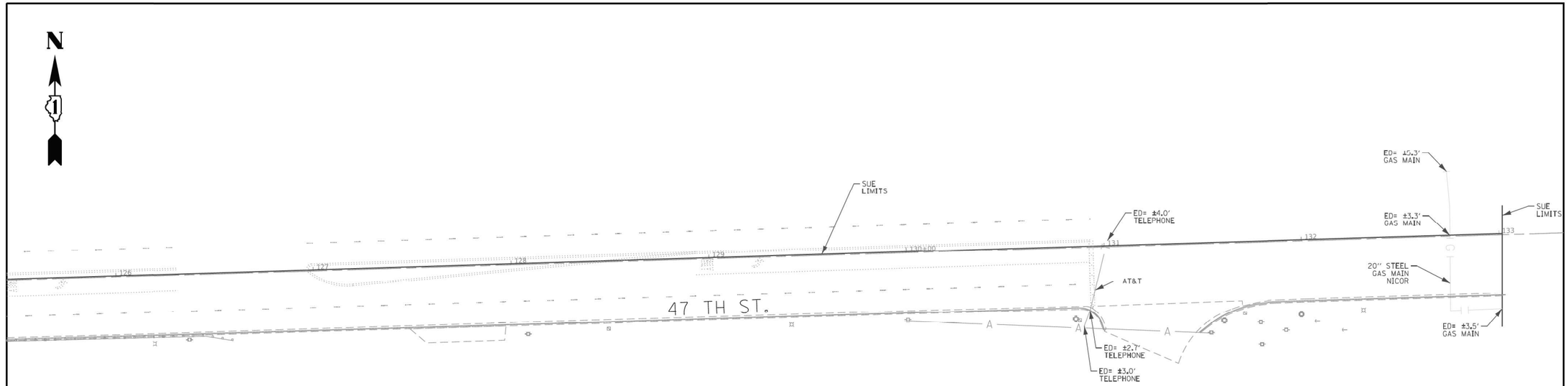

MATCH SHEET 8

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J Bellis
signature

3/23/2020
date

license expires 11/30/2021

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USER NAME = Blake,Bussard	DESIGNED -	REVISED -
	DRAWN - BB	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - EG	REVISED -
PLOT DATE = 3/23/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

47TH ST. AT EAST AVE.
COOK COUNTY, ILLINOIS

SCALE: | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	9	9
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

IDOT W.O. 210 & 224

UTL-10

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SUBSURFACE UTILITY ENGINEERING PLANS

SCALE: 1"=20' | SHEET 10 OF 10 SHEETS | STA. 85+00 | TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	148
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-sInpf-002
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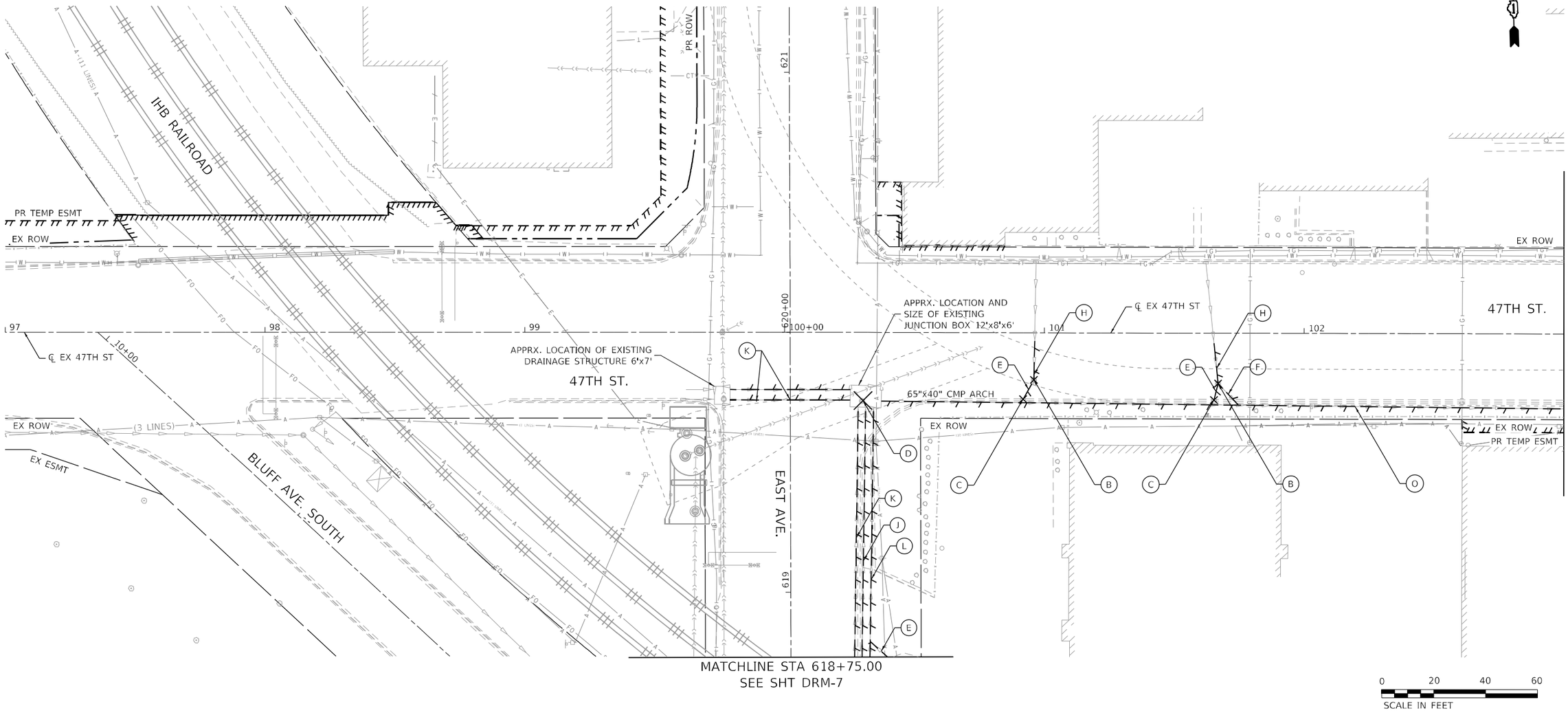

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–01

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0668 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	149
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-pkprf-004
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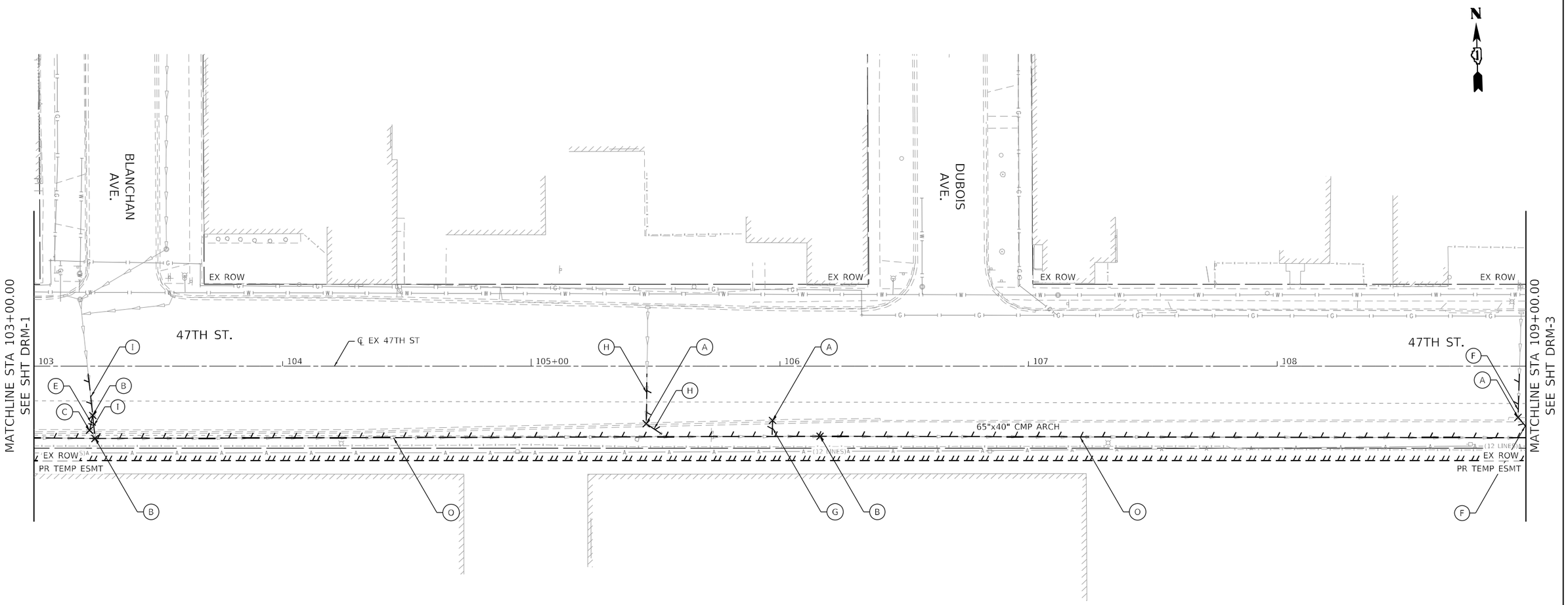

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- X REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–02

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. 103+00 | TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	150
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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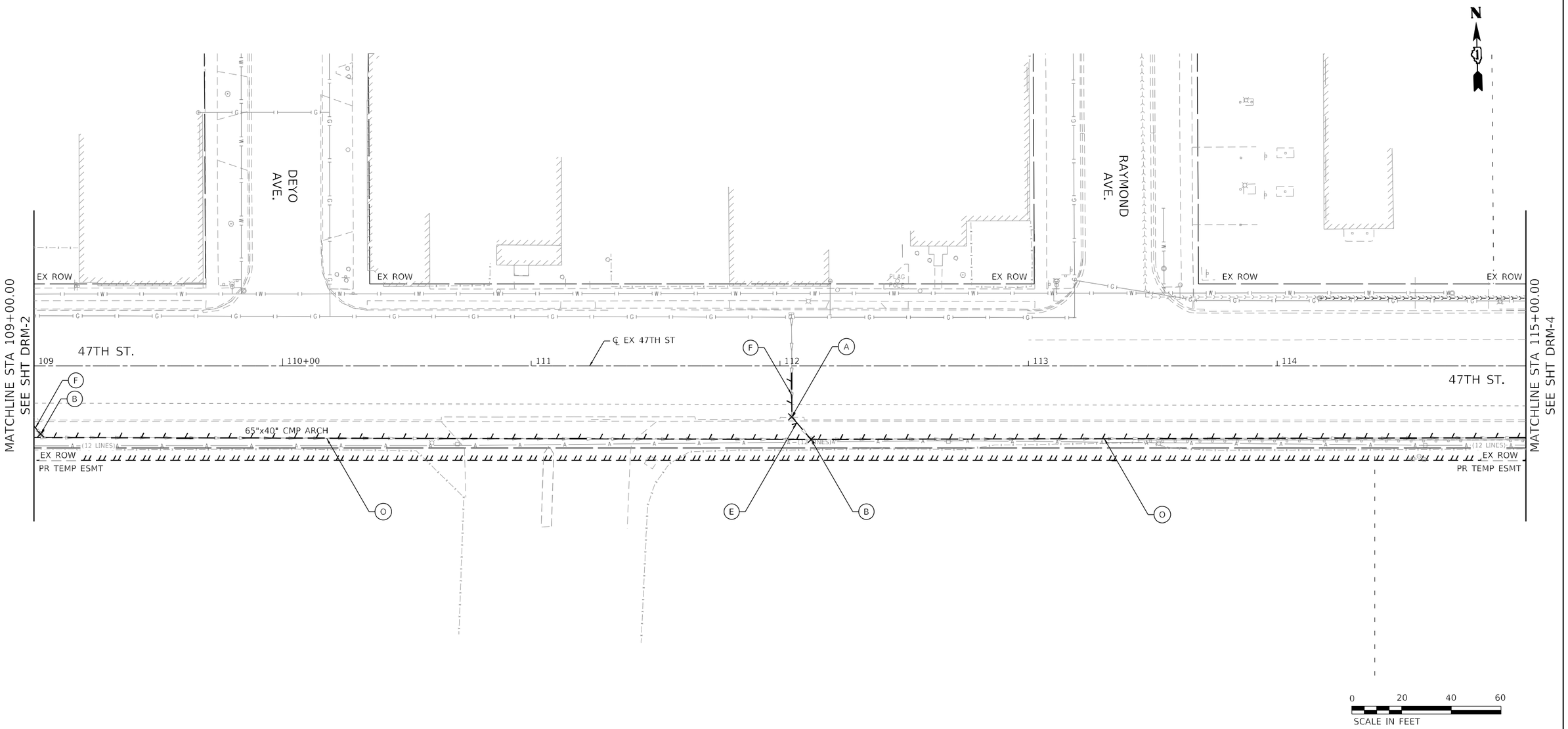

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–03

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 109+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	151
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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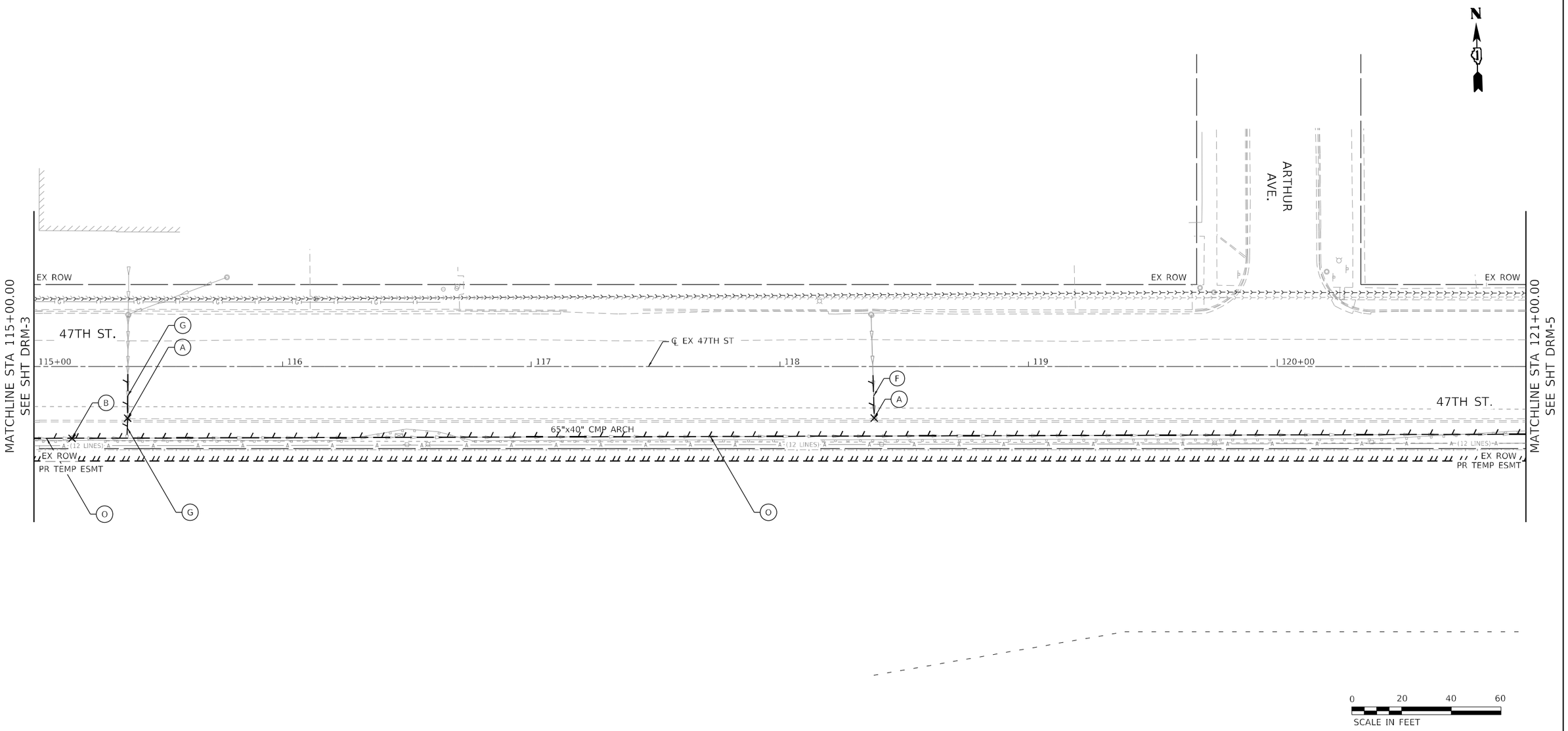

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
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- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- X REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–04

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 115+00 | TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	152
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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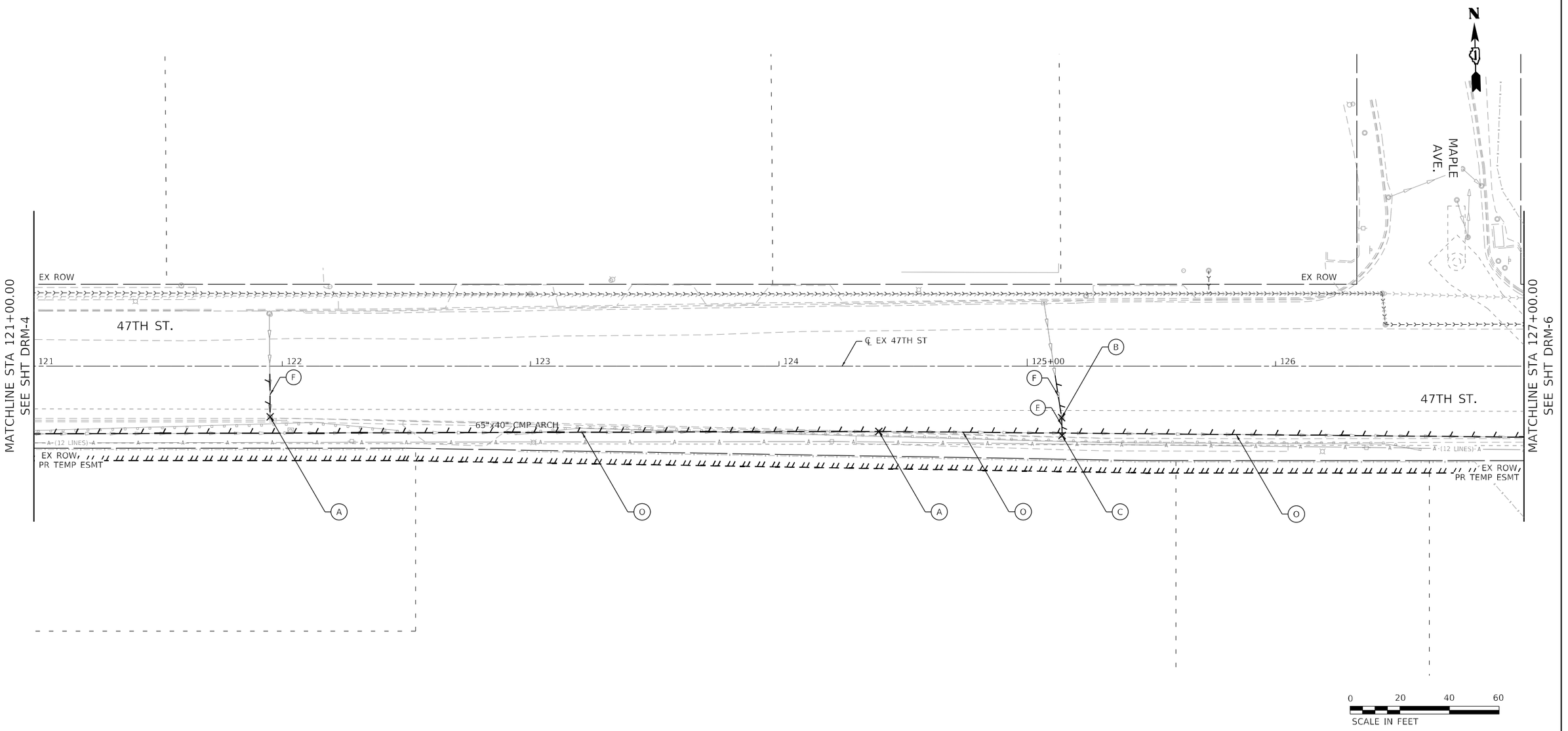

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
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- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- X REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–05

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 121+00 | TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	153
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-sheet-008
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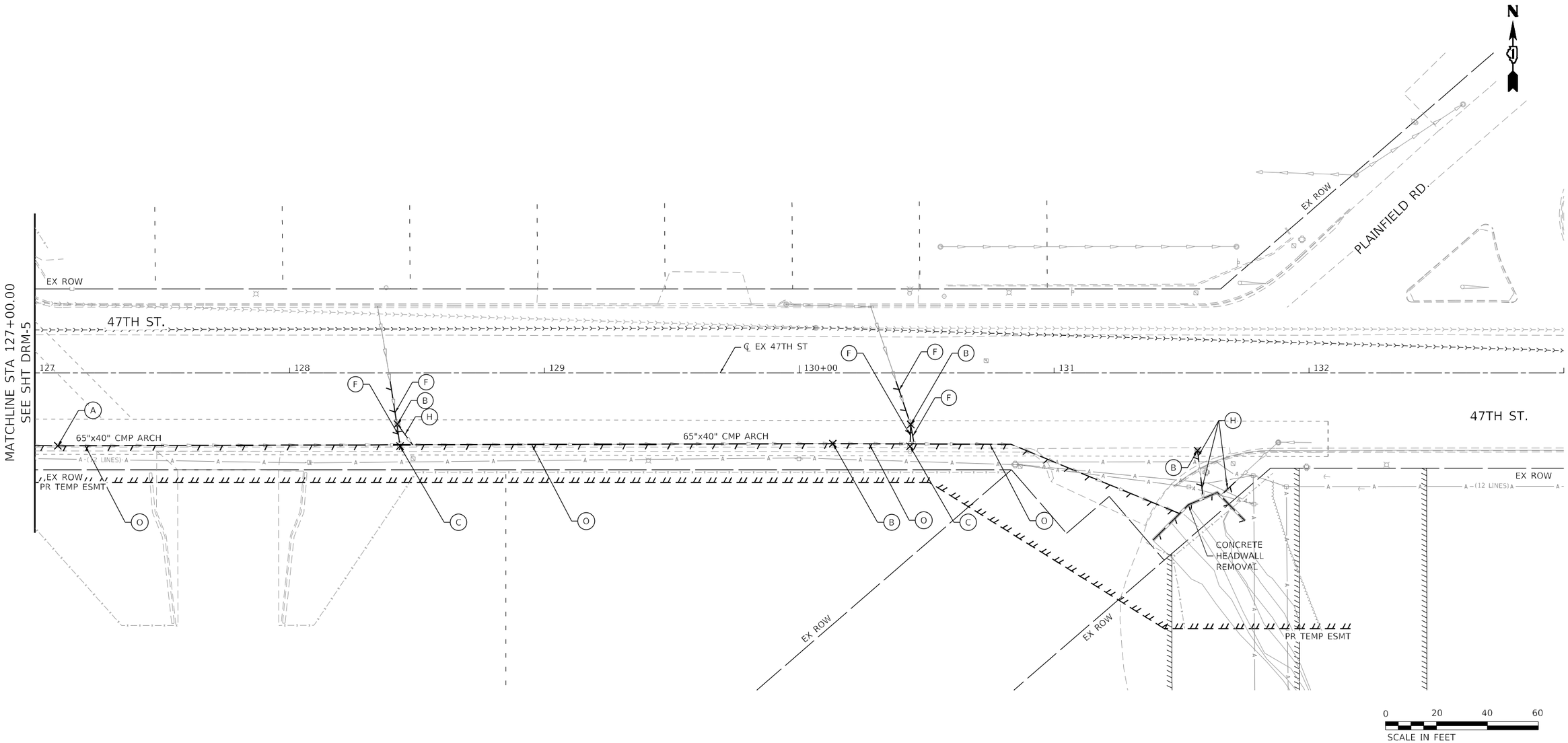

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–06

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. 127+00 | TO STA. 133+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	154
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-sht_plnprf-009
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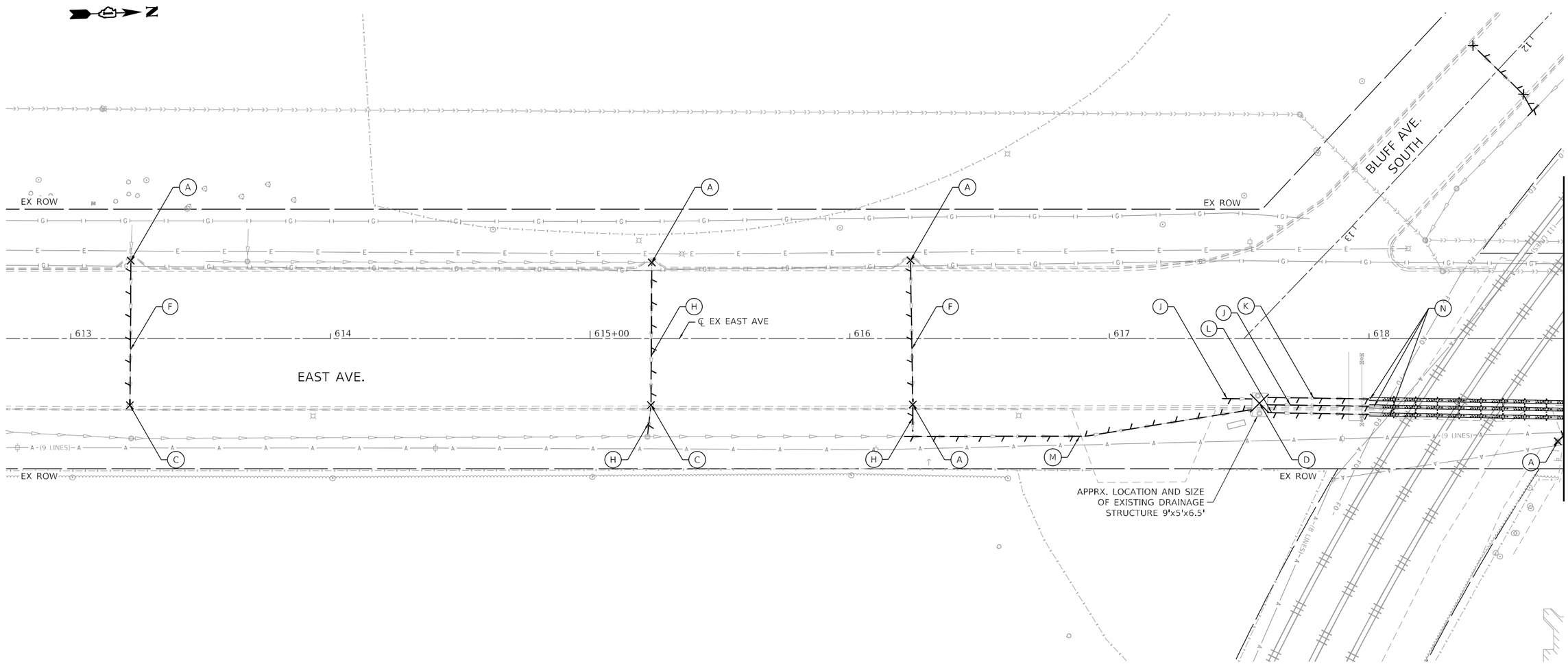

DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- × REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–07

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 7 OF 8 SHEETS | STA. 612+75 TO STA. 618+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	155
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-dnprf-5026
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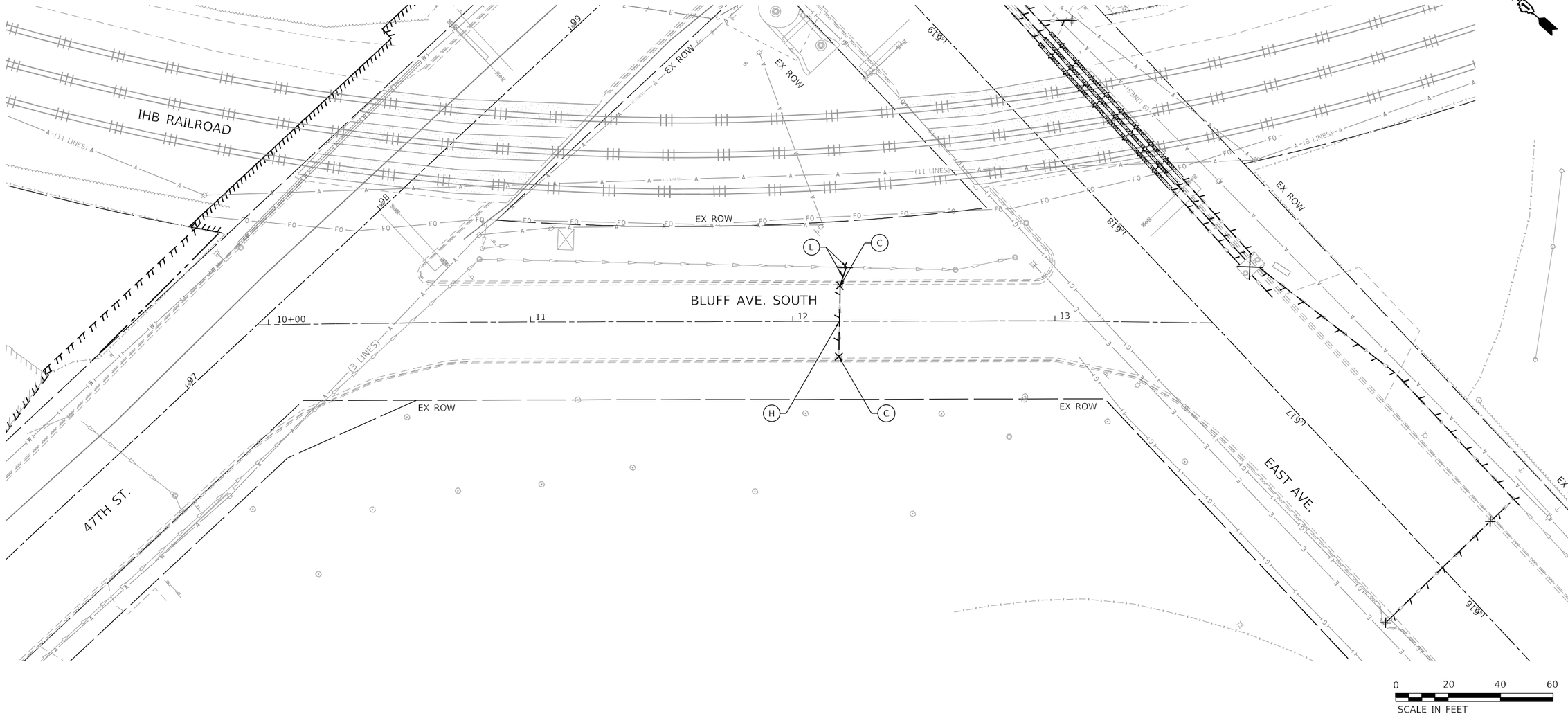


DRAINAGE REMOVAL LEGEND

- (A) REMOVING CATCH BASINS, (60500050)
- (B) REMOVING MANHOLES, (60500040)
- (C) REMOVING INLETS, (60500060)
- (D) JUNCTION BOX REMOVED (X6020054)
- (E) STORM SEWER REMOVAL, 6" (55100200)
- (F) STORM SEWER REMOVAL, 8" (55100300)
- (G) STORM SEWER REMOVAL, 10" (55100400)
- (H) STORM SEWER REMOVAL, 12" (55100500)
- (I) STORM SEWER REMOVAL, 15" (55100700)
- (J) STORM SEWER REMOVAL, 18" (55100900)
- (K) STORM SEWER REMOVAL, 24" (55101200)
- (L) STORM SEWER REMOVAL, 30" (55101400)
- (M) STORM SEWER REMOVAL, 48" (55101900)
- (N) ABANDON AND FILL EXISTING STORM SEWER, (X5509900)
- (O) STORM SEWER REMOVAL, (X5510100)
- X REMOVAL ITEMS
- REMOVAL LINEAR ITEMS
- ABANDON AND FILL ITEMS

DRM–08

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

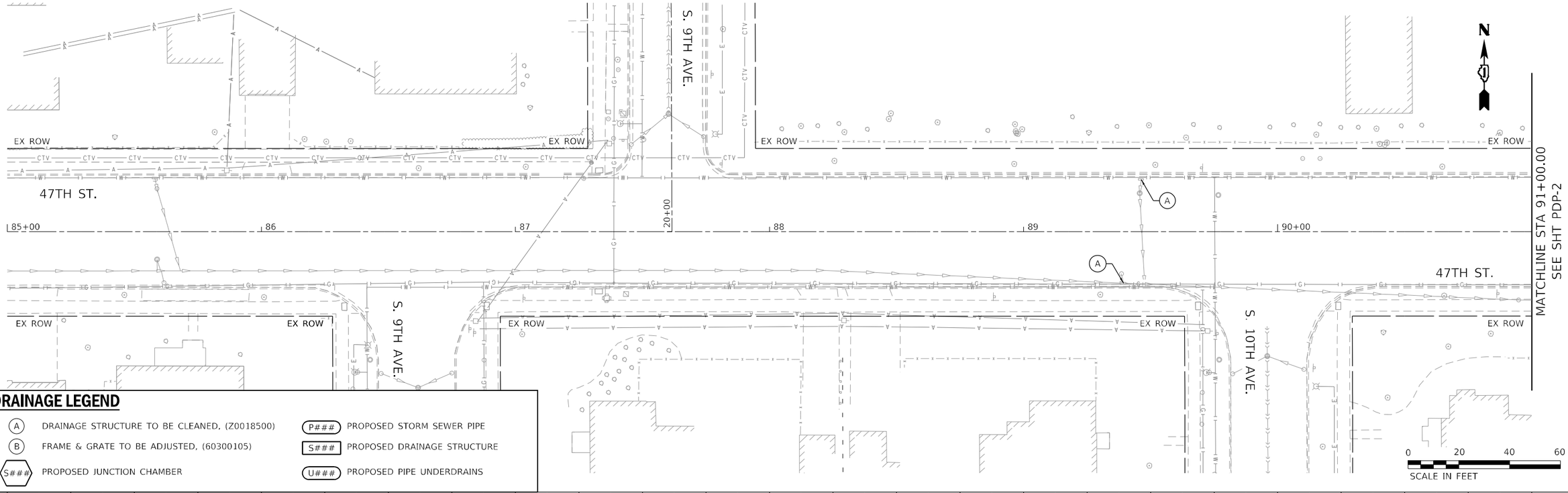
EAST AVENUE AT 47TH STREET
DRAINAGE REMOVAL PLANS

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. 9+95.70 | TO STA. 13+60.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	156
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-sheet-0023
FILE NAME: \\fs01\Projects\17166004_CAD\CADD_Sheets\D162F11-sht-drm-008.dgn

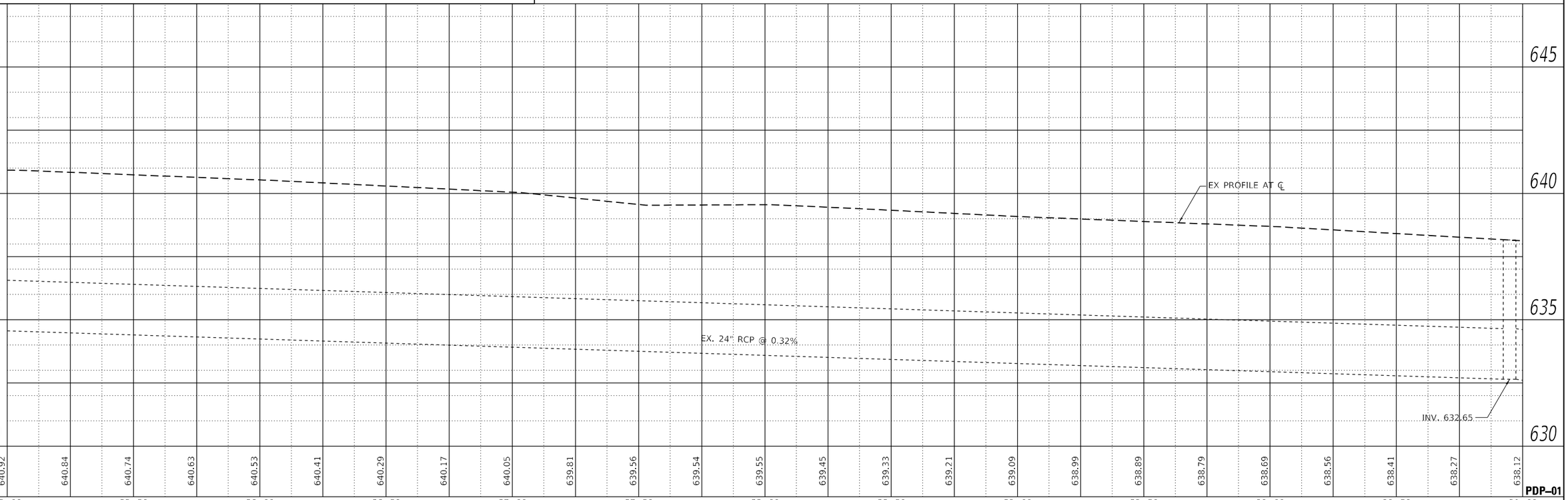
PLAN
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
BY
DATE



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- S### PROPOSED JUNCTION CHAMBER
- P### PROPOSED STORM SEWER PIPE
- S### PROPOSED DRAINAGE STRUCTURE
- U### PROPOSED PIPE UNDERDRAINS

PROFILE
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
BY
DATE



PDP-01

MODEL: D162F11-sht-plngr-002
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

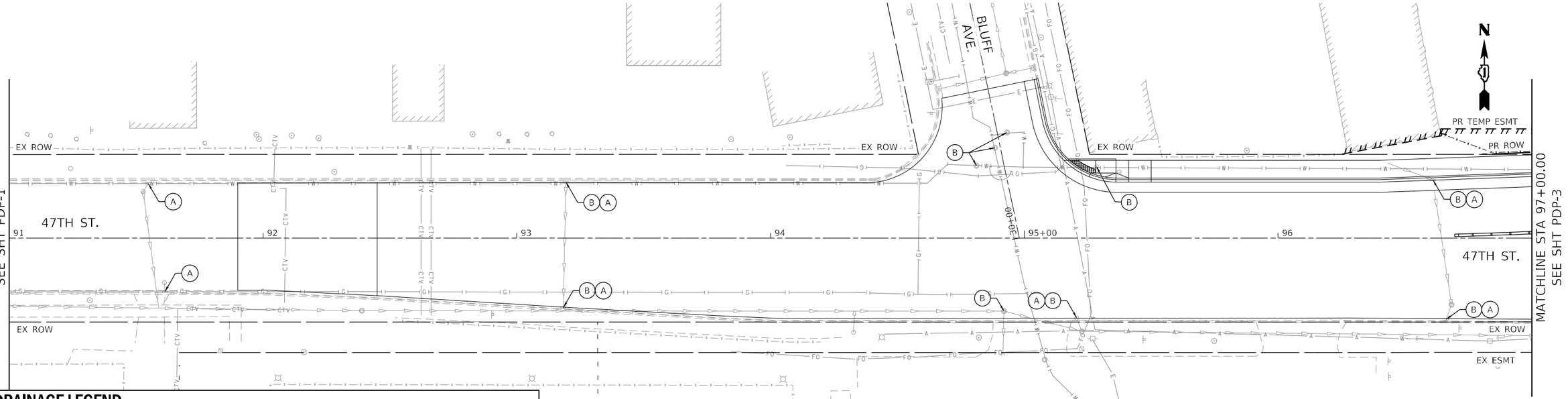
EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 17 SHEETS | STA. 85+00 TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	157
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA 91+00.00
SEE SHT PDP-1

MATCHLINE STA 97+00.00
SEE SHT PDP-3



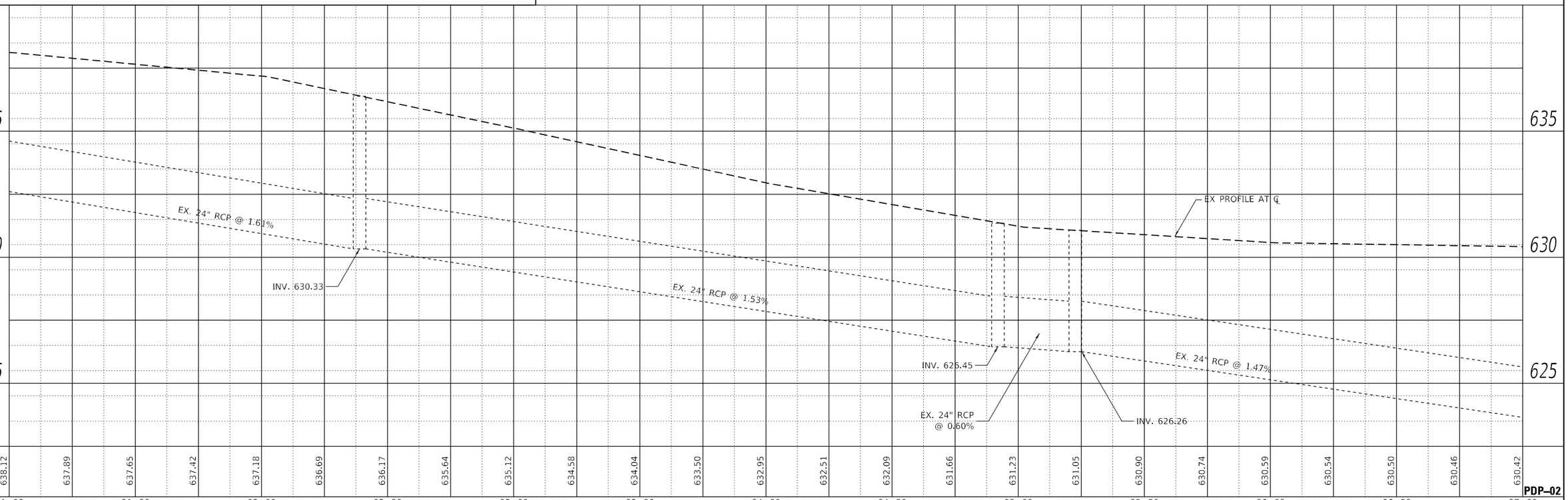
DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

0 20 40 60
SCALE IN FEET

PLAN
SURVERED
PLOTTED
ROAD CHECKED
R.O.W. CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVERED
PLOTTED
GRADE CHECKED
R.O.W. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.



PDP–02

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

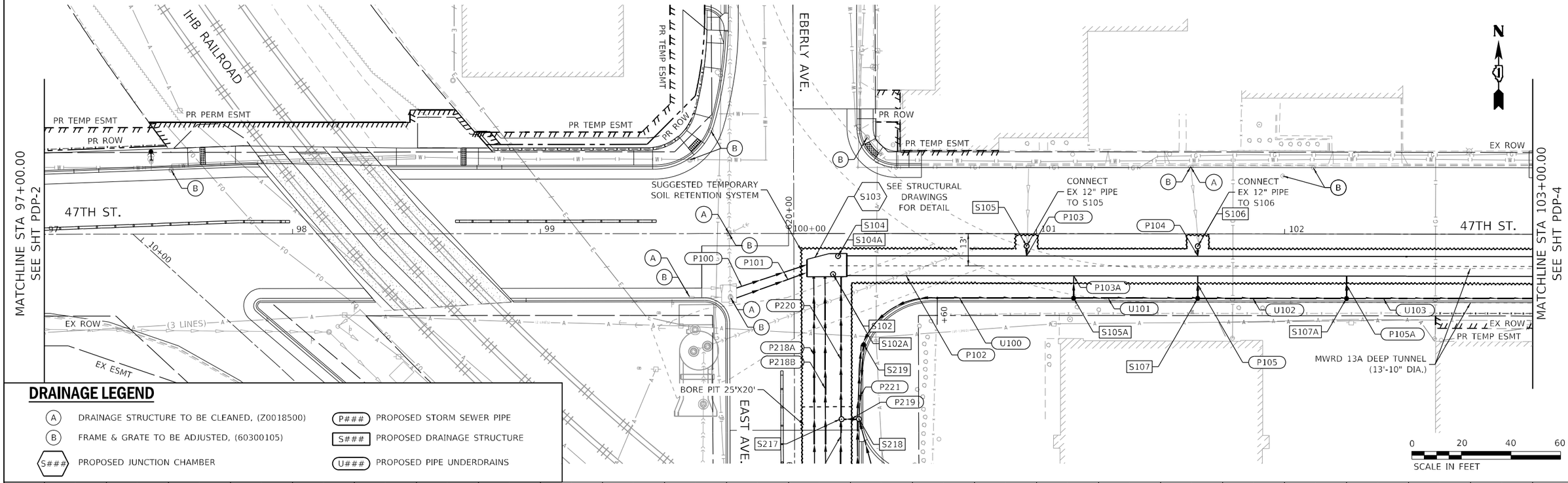
USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

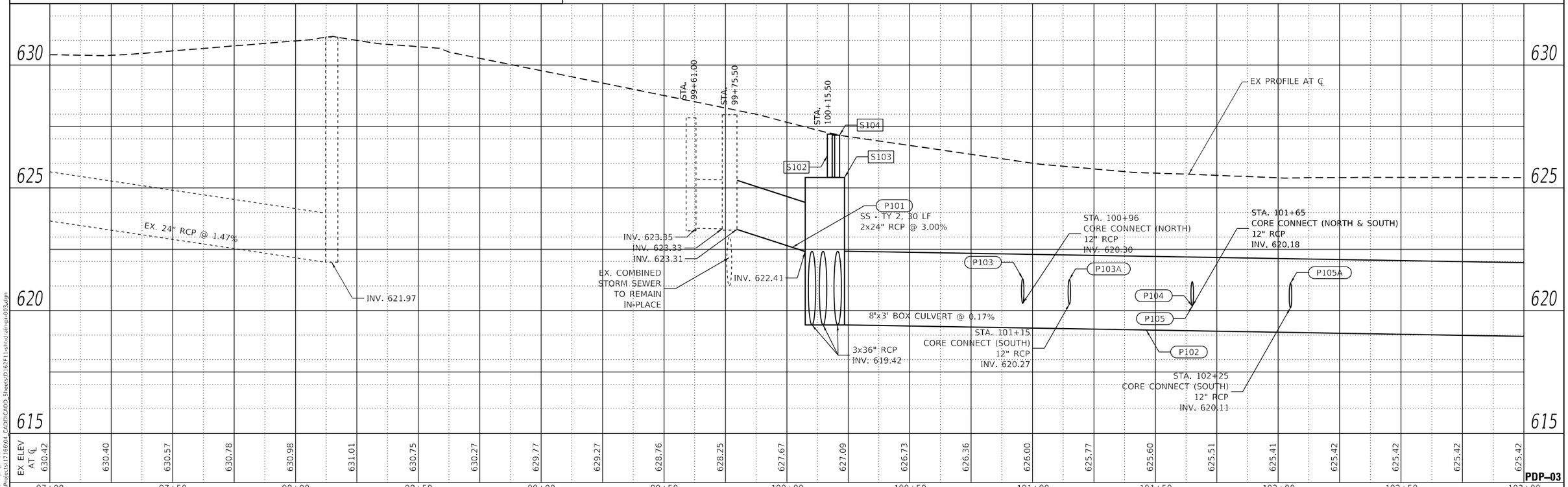
SCALE: 1"=20' | SHEET 2 OF 17 SHEETS | STA. 91+00 TO STA. 97+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	158
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS



PDP–03

PLAN — SURVEYED / PLOTTED / GRID NAD 83 (CHECKED) / ALIGNMENT (CHECKED) / R.O.W. (CHECKED) / CADD FILE NAME: / NOTE BOOK / NO.: / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRID NAD 83 (CHECKED) / ALIGNMENT (CHECKED) / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.: / BY / DATE

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

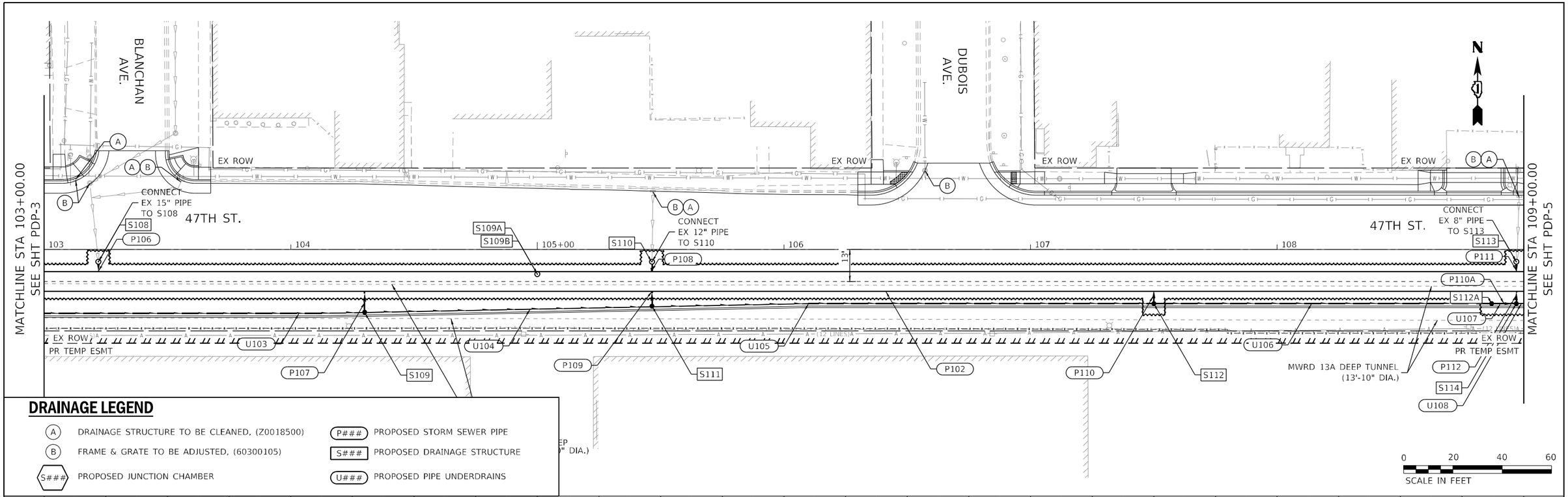
USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

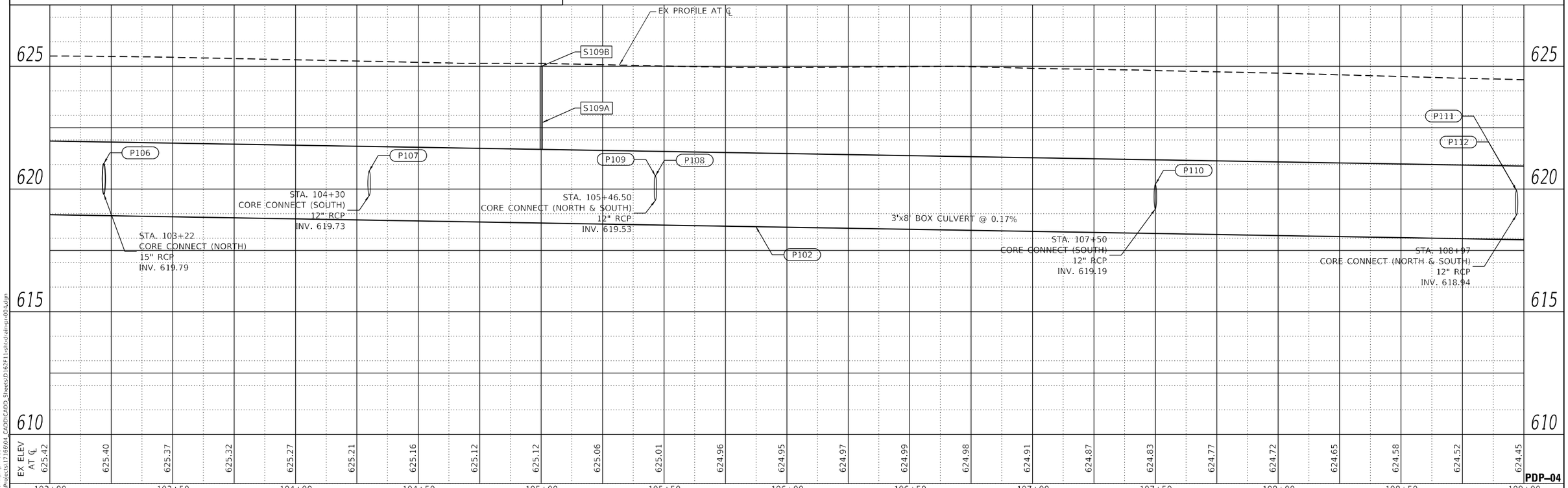
SCALE: 1"=20' | SHEET 3 OF 17 SHEETS | STA. 97+00 | TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	159
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- S### PROPOSED JUNCTION CHAMBER
- P### PROPOSED STORM SEWER PIPE
- S### PROPOSED DRAINAGE STRUCTURE
- U### PROPOSED PIPE UNDERDRAINS



PDP–04

PLAN — SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / H.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

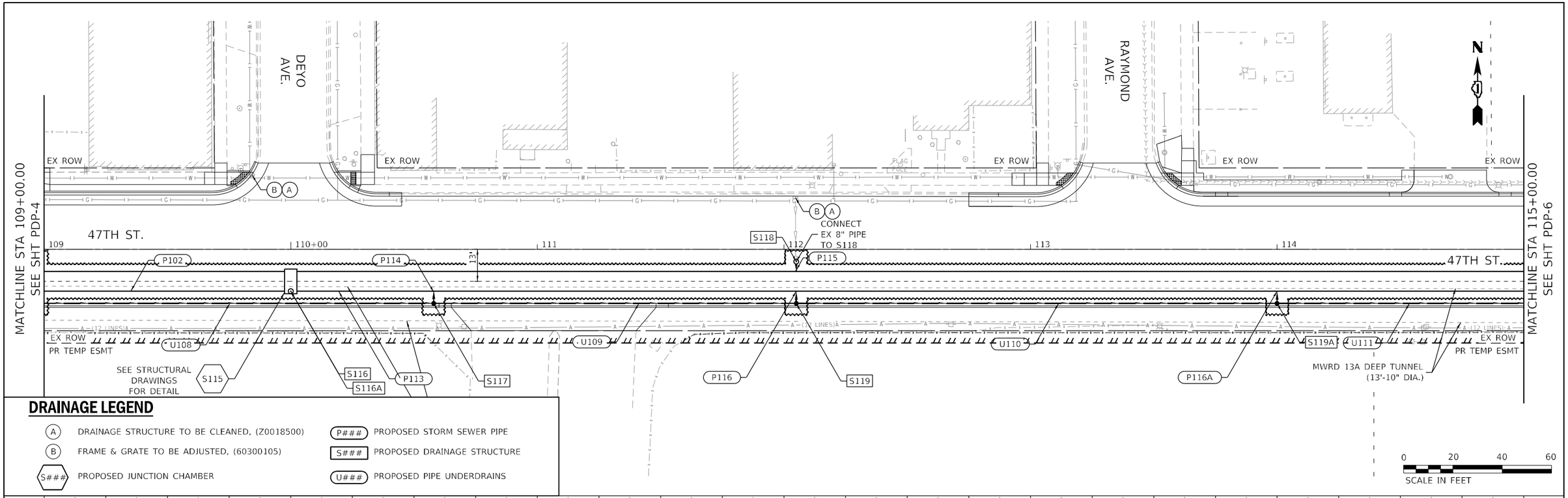
USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

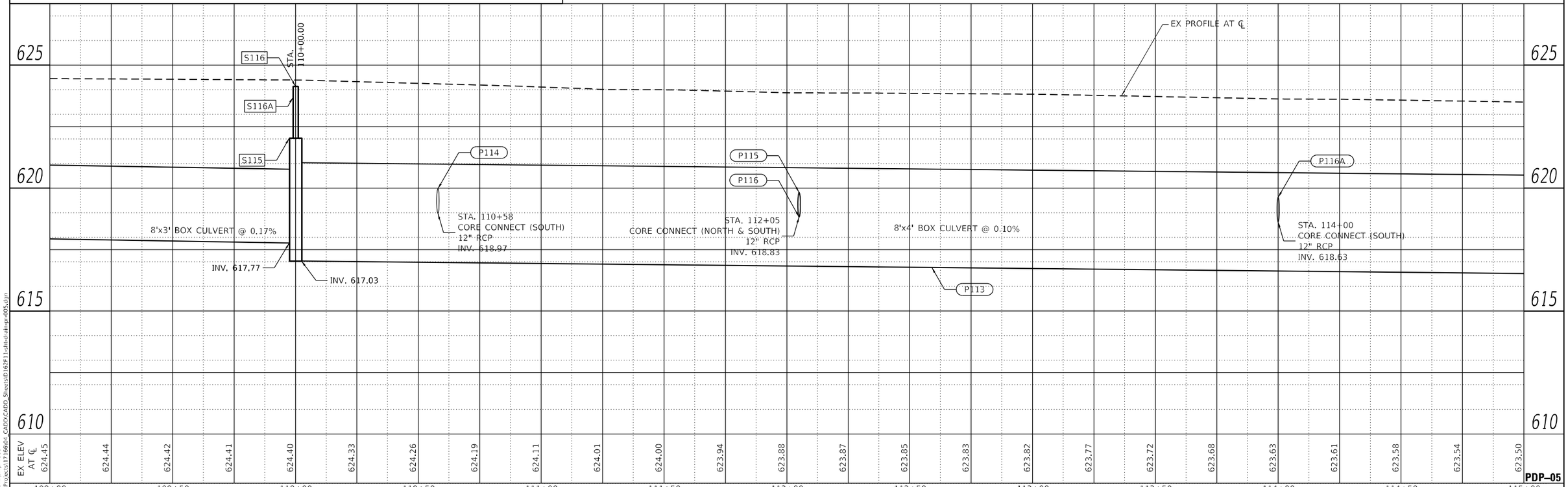
SCALE: 1"=20' | SHEET 4 OF 17 SHEETS | STA. 103+00 TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	160
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS



PDP–05

PLAN — SURVEYED | PLOTTED | DESIGN CHECKED | R.O.W. CHECKED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE — SURVEYED | PLOTTED | DESIGN CHECKED | BM. NOTED | STRUCTURE NOTATNS. CHKD | NOTE BOOK | NO.

MODEL: D162F11-sht-plnpr-006
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 17 SHEETS | STA. 109+00 | TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	161
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA 115+00.00
SEE SHT PDP-5

MATCHLINE STA 121+00.00
SEE SHT PDP-7

EX ROW

47TH ST.

ARTHUR AVE.

CONNECT EX 10" PIPE TO S120

CONNECT EX 8" PIPE TO S122

115+00 | 116 | 117 | 118 | 119 | 120+00

13'

S120 P117 P118 U111 S121A S121B S121 U112 P113 P118A S121C U113 P120 S123 P119 S122 U114 P121 S125A S125 P120A

EX ROW
PR TEMP ESMT

A (12 LINES) A

MWRD 13A DEEP TUNNEL (13'-10" DIA.)

DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

N

0 20 40 60
SCALE IN FEET

PLAN
SURVERED
PLOTTED
ALIGNMENT CHECKED
R.O. WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVERED
PLOTTED
GRADE CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

EX PROFILE AT ℄

S121A S121B P117 P118 P118A P120 P119 S125 S125A P113 P121

STA. 120+50.00

STA. 115+38
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 618.49

8'x4' BOX CULVERT @ 0.10%

STA. 117+35
CORE CONNECT (SOUTH)
12" RCP
INV. 618.29

STA. 118+38
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 618.18

CULVERT SLOPE CHANGE AT STA 120+50

0.10% 0.17%

8'x4' BOX CULVERT @ 0.10%

8'x4' BOX CULVERT @ 0.17%

INV. 615.97

INV. 615.96

625 620 615 610

EX ELEV AT ℄
623.50 623.48 623.46 623.44 623.42 623.38 623.35 623.32 623.29 623.25 623.22 623.18 623.15 623.11 623.07 623.04 623.00 622.98 622.96 622.93 622.90 622.86 622.82 622.77 622.73

115+00 115+50 116+00 116+50 117+00 117+50 118+00 118+50 119+00 119+50 120+00 120+50 121+00

PDP–06

MODEL: D162F11-sht-plngr007
FILE NAME: I:\601\Projects\17166004_CADD\CADD_Sheets\D162F11-sht-clr-plngr00fx.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 6 OF 17 SHEETS | STA. 115+00 | TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	162
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
DRAWN BY: (CHECKED)
R.O.W. CHECKED
R.O.W. CHECKED
CADD FILE NAME
BY
DATE

MATCHLINE STA 121+00.00
SEE SHT PDP-6

MATCHLINE STA 127+00.00
SEE SHT PDP-8

EX ROW
47TH ST.
MAPLE AVE.
N

CONNECT EX 8" PIPE TO S122
CONNECT EX 8" PIPE TO S129

121 122 123 124 125+00 126

13'

U114 U115 U116 U117

EX ROW
PR TEMP ESMT

(12 LINES)

P121 P122 P123 P124 P125 P126 P127

S126 S127 S128 S129 S130 S130A S130B

MWRD 13A DEEP TUNNEL (13'-10" DIA.)

0 20 40 60
SCALE IN FEET

DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
DRAWN BY: (CHECKED)
R.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

EX PROFILE AT ℄

S130A
S130B

P122 P123
STA. 121+95.00
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 617.73

8'x4' BOX CULVERT @ 0.17%

P124
STA. 124+40
CORE CONNECT (SOUTH)
12" RCP
INV. 617.31

P126 P125
STA. 125+11.50
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 617.18

P127
STA. 127+35
CORE CONNECT (SOUTH)
12" RCP
INV. 616.90
8'x4' BOX CULVERT @ 0.17%

P121

625 620 615 610

EX ELEV AT ℄	622.73	622.69	622.65	622.61	622.57	622.53	622.48	622.46	622.44	622.42	622.40	622.37	622.35	622.32	622.29	622.25	622.22	622.22	622.23	622.23	622.24	622.23	622.22	622.21	622.21
	121+00		121+50		122+00		122+50		123+00		123+50		124+00		124+50		125+00		125+50		126+00		126+50		127+00

PDP–07

MODEL: D162F11-sht-vpprofl008
FILE NAME: W:\601\Projects\1716604-CADD\CADD_Sheets\D162F11-sht-cl-elin-gr-007.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20" | SHEET 7 OF 17 SHEETS | STA. 121+00 | TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	163
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
DRAWN (CHECKED)
ALIGNMENT CHECKED
R.O.W. CHECKED
NOTE BOOK
NO.
BY
DATE

MATCHLINE STA 127+00.00
SEE SHT PDP-7

EX ROW
47TH ST.
PLAINFIELD RD.
N
EX ROW
CONNECT EX 8" PIPE TO S129
P128
S132
A
B
127
128
129
130+00
131
132
13'
P130
S134
P131
S136A
S136
SEE STRUCTURAL DRAWINGS FOR DETAIL
P132
CONNECT EX 12" PIPE TO S137
40°
B
U122
CONNECT PR 4" UNDERDRAINS TO EX MH
47TH ST.
P134
S137
P135
U117
U119
A (12 LINES) A
EX ROW
PR TEMP ESMT
S133A
U120
U121
P127
U118
P129
P129A
S133
P121
MWRD 13A DEEP TUNNEL (13'-10" DIA.)
S135
P133
HW (016-C019) SEE STRUCTURAL DRAWINGS FOR DETAIL
MWRD 13A DEEP TUNNEL (13'-10" DIA.)
10.2'
20.4'
23.5'
S131
STONE RIPRAP CLASS A5, GRADATION RR5 - 95 SY
FILTER FABRIC - 95 SY
DEPTH - ~1.1' (TOP OF BEDROCK ~EL. 613.00)
EX ROW
A (12 LINES) A
0 20 40 60
SCALE IN FEET

DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

PROFILE
SURVEYED
PLOTTED
DRAWN (CHECKED)
R.O.W. NOTED
NOTE BOOK
NO.
BY
DATE
STRUCTURE NOTATNS CHKD

625
620
615
610

EX PROFILE AT ℄
S136A
STA. 131+03.50
S137
STA. 131+56.50
S136
2x20° BEND
8'x4' RCBC
SEE DETAILS
P128
P129
STA. 128+40
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 616.65
8'x4' BOX CULVERT @ 0.17%
P130
P131
STA. 130+38.50
CORE CONNECT (NORTH & SOUTH)
12" RCP
INV. 616.30
8'x4' BOX CULVERT @ 0.17%
P121
8'x4' BOX CULVERT @ 0.17%
P133
INV. 614.10

EX ELEV AT ℄	622.21	622.18	622.16	622.13	622.07	622.08	622.10	622.12	622.14	622.15	622.15	622.15	622.15	622.14	622.12	622.11	622.10	622.20	622.29	622.34	622.38	622.38	622.39	622.39	622.39
	127+00		127+50		128+00		128+50		129+00		129+50		130+00		130+50		131+00		131+50		132+00		132+50		133+00

PDP–08

MODEL: D162F11-sht-pltprf-009
FILE NAME: \\fs01\Projects\17166004_CADD\CADD_Sheets\D162F11-sht-cl-alt-pr-008.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 17 SHEETS | STA. 127+00 | TO STA. 133+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	164
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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

EX ROW
EAST AVE.
610+00
611
612
613
614
615+00
EX ROW

CONNECT EX 6" PIPE TO S200
CONNECT EX 8" PIPE TO S206
CORE CONNECT 12" RCP TO EXISTING MANHOLE
CORE CONNECT 12" RCP TO EXISTING MANHOLE

S200 S201 S202 S203 S204 S205 S206 S207 S208 S209 S210 S211
P200 P201 P202 P203 P204 P205 P206 P207 P208 P209 P210 P211

MATCHLINE STA 616+00.00
SEE SHT PDP-10

0 20 40 60
SCALE IN FEET

DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

PROFILE
SURVEYED
PLOTTED
(GRADE CHECKED)
R.O.W. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

630 625 620 615

STA. 613+23
STA. 615+23.50
EX PROFILE AT CL
EX. 48" RCP @ 0.20%
EX. 48" RCP @ 0.20%
EX. 48" RCP @ 0.20%
SS - TY 2, 194 LF 48" RCP @ 0.12%
SS - TY 2, 95 LF 48" RCP @ 0.14%
INV. 621.61
INV. 621.37
INV. 621.35

EX ELEV AT ℄
630.33 630.28 630.24 630.20 630.16 630.15 630.13 630.11 630.10 630.06 630.02 629.98 629.94 629.88 629.81 629.74 629.67 629.63 629.59 629.55 629.51 629.52 629.53 629.55 629.56

610+00 610+50 611+00 611+50 612+00 612+50 613+00 613+50 614+00 614+50 615+00 615+50 616+00

PDP–09

MODEL: D162F11-sht-plngr-0025
FILE NAME: W:\601\Projects\17166004-CADD\CADD_Sheets\D162F11-sht-clr-plngr-009x.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

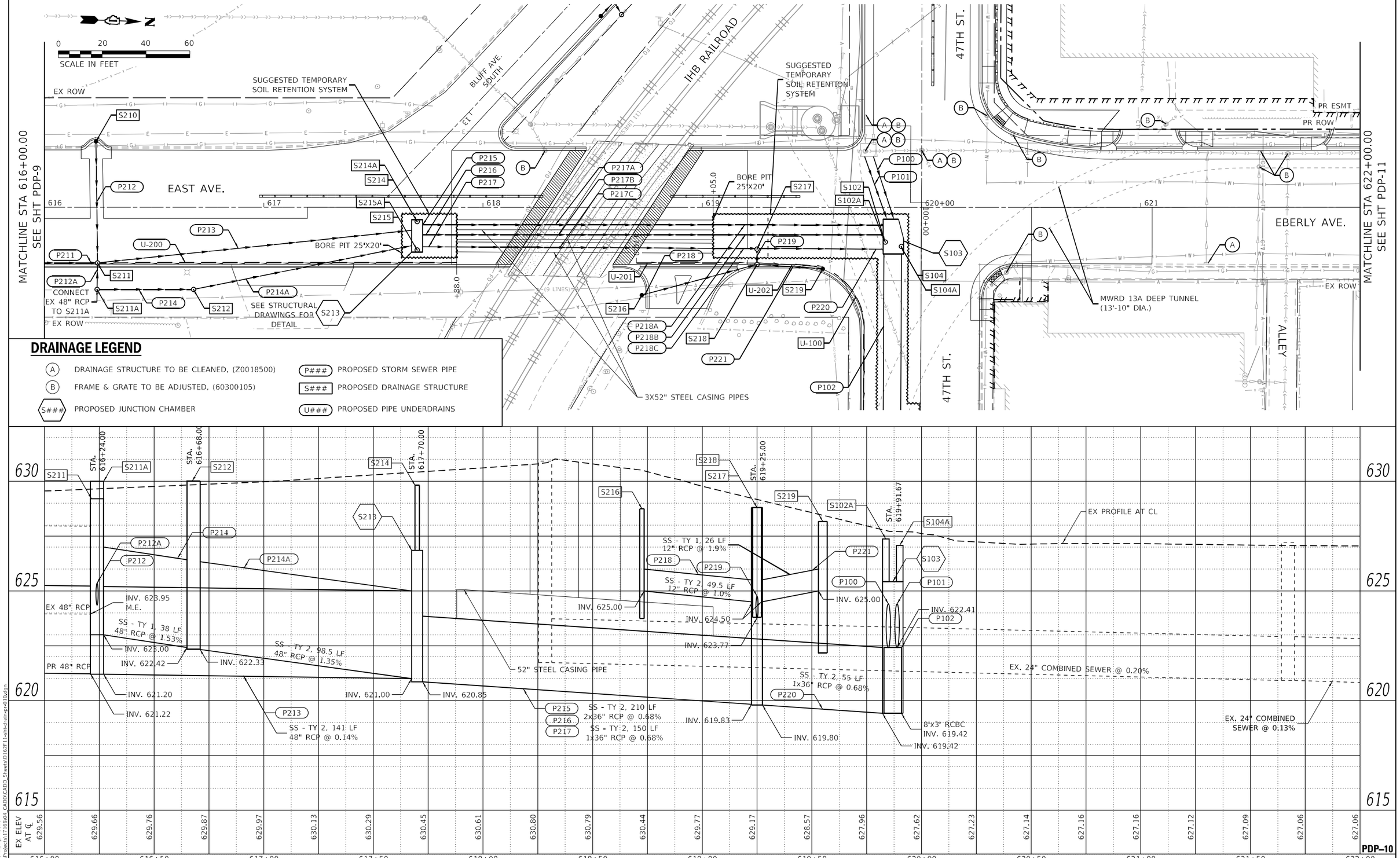
USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 9 OF 17 SHEETS | STA. 610+00 | TO STA. 616+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	165
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- (S###) PROPOSED JUNCTION CHAMBER
- (P###) PROPOSED STORM SEWER PIPE
- [S###] PROPOSED DRAINAGE STRUCTURE
- (U###) PROPOSED PIPE UNDERDRAINS

PDP–10

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/19/2024	DATE - 3/5/2024	REVISED -	

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

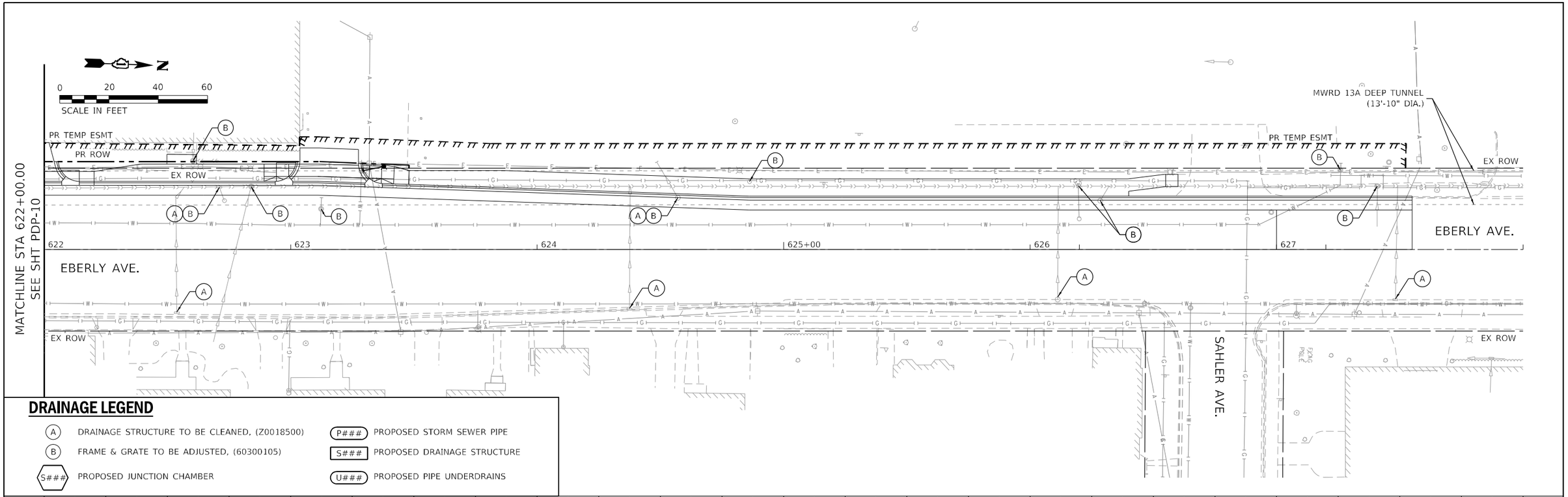
EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 10 OF 17 SHEETS | STA. 616+00 TO STA. 622+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	166
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

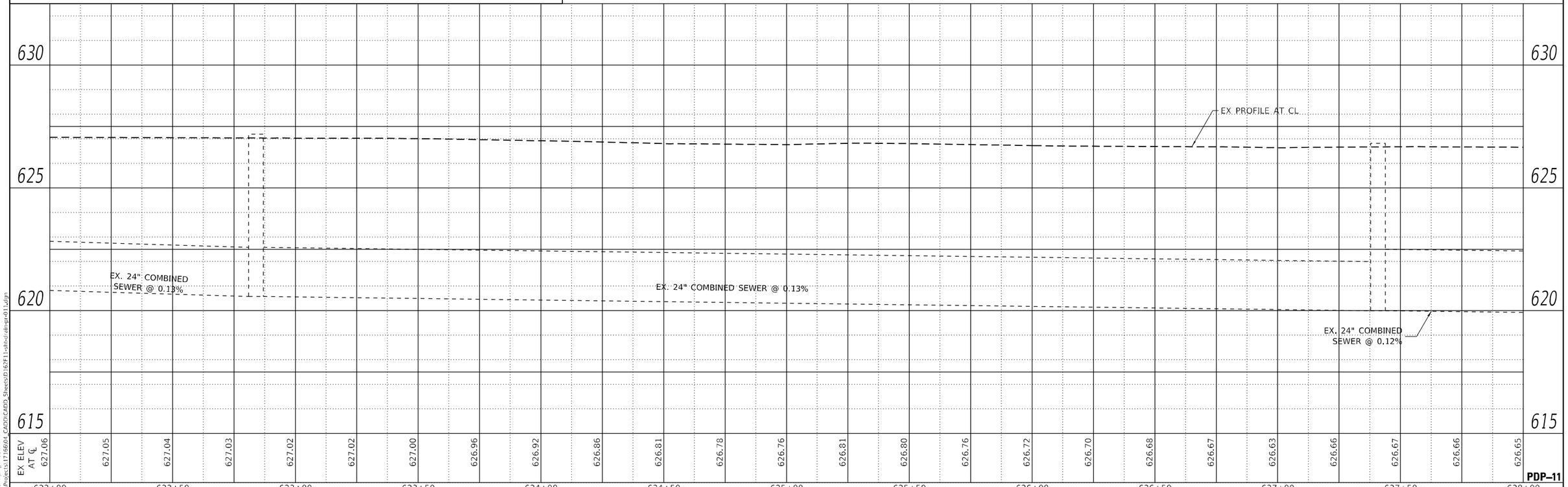
PLAN / PROFILE — SURVEYED — PLOTTED — DRAWN — CHECKED — QUANTITIES CHECKED — R.O.W. MARKERS — NOTE BOOK — NO. — BY — DATE — STRUCTURE NOTATIONS GIVEN

MODEL: D162F11-sht-xsht-pr600.fl6
FILE NAME: \\fs01\Projects\171660\4-CADD\CADD_Sheets\D162F11-sht-cl-elv-pr010.dgn



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- S### PROPOSED JUNCTION CHAMBER
- P### PROPOSED STORM SEWER PIPE
- S### PROPOSED DRAINAGE STRUCTURE
- U### PROPOSED PIPE UNDERDRAINS



PDP-11

PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, AUDITED BY, R.O.W. CHECKED, NOTE BOOK NO., CADD FILE NAME, DATE, BY

PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, H.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK NO., DATE, BY

MODEL: D162F11-sht-pltpr60027
FILE NAME: W:\60\1\Projects\171166004_CADD\CADD_Sheets\D162F11-sht-cl-ell-pr-01.dgn

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

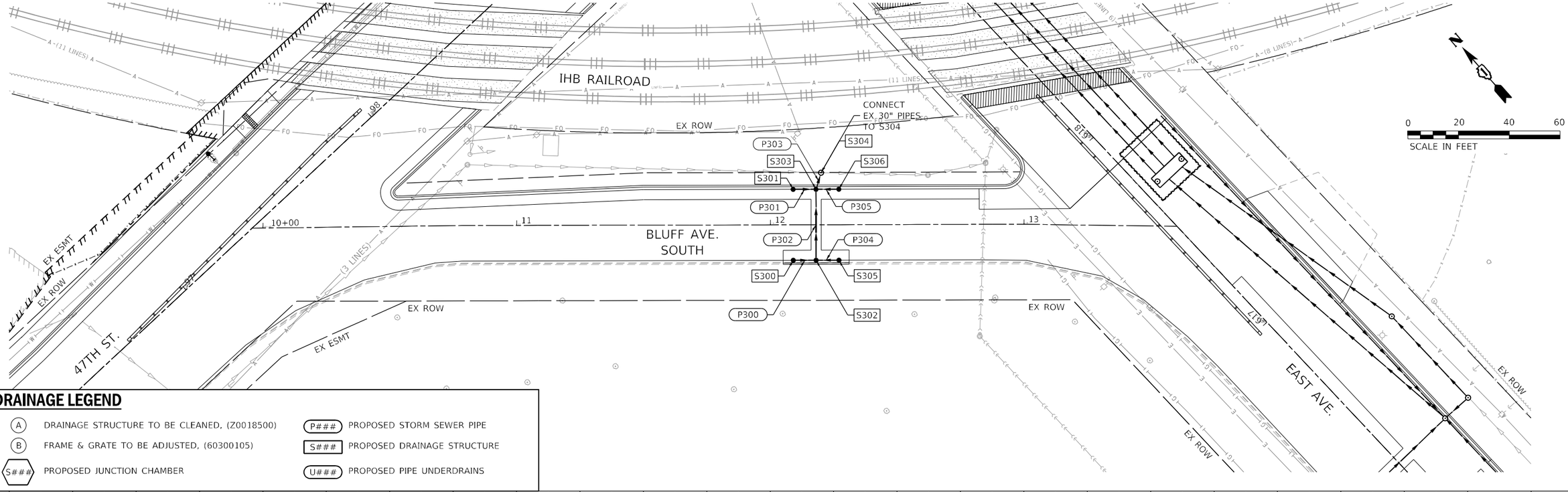
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

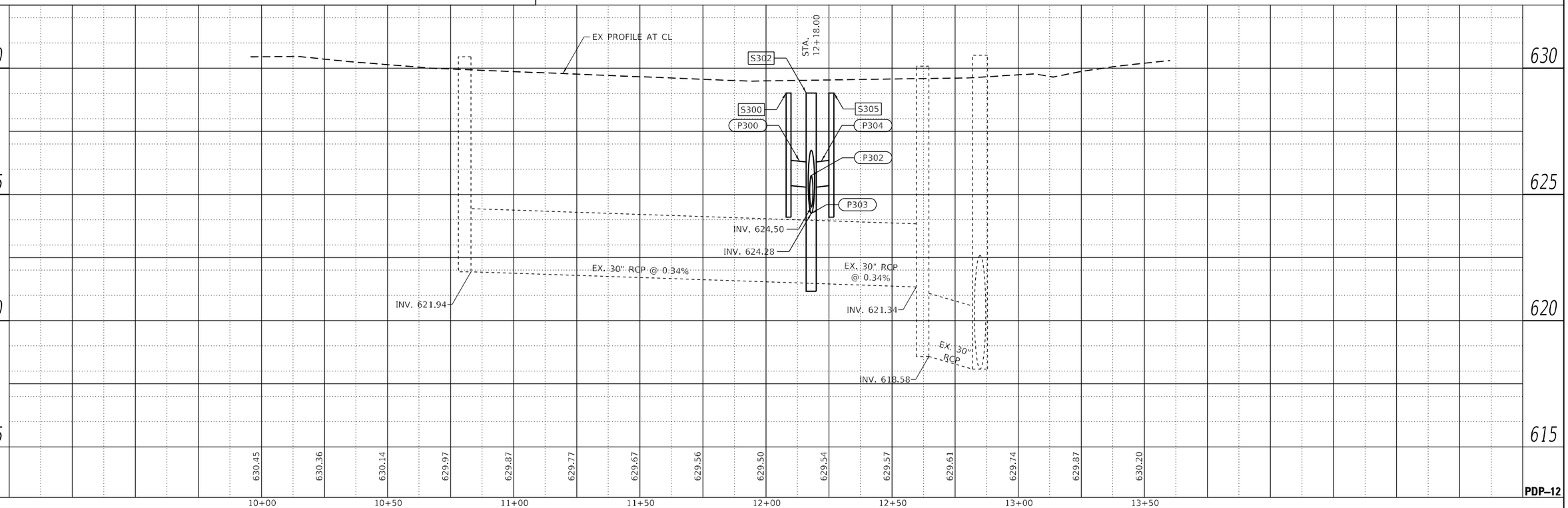
SCALE: 1"=20' | SHEET 11 OF 17 SHEETS | STA. 622+00 TO STA. 628+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	167
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE LEGEND

- (A) DRAINAGE STRUCTURE TO BE CLEANED, (Z0018500)
- (B) FRAME & GRATE TO BE ADJUSTED, (60300105)
- S### PROPOSED JUNCTION CHAMBER
- P### PROPOSED STORM SEWER PIPE
- S### PROPOSED DRAINAGE STRUCTURE
- U### PROPOSED PIPE UNDERDRAINS



PDP–12

PLAN: SURVEYED — PLOTTED — AUTOMATIC CHECKED — R.T. OF WAY CHECKED — CADD FILE NAME: — NOTE BOOK — NO.: — BY — DATE

PROFILE: SURVEYED — PLOTTED — GRADE CHECKED — H.M. NOTED — STRUCTURE NGTA/765 CHKD — NOTE BOOK — NO.: — BY — DATE

MODEL: D162F11-sht-plnpf-0023
FILE NAME: \\601\Projects\176604-CADD\CADD_Sheets\D162F11-sht-cl-alin-pr-012.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 12 OF 17 SHEETS | STA. 9+95.70 TO STA. 13+60.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	168
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

STRUCTURE SCHEDULE

SHEET NO.	STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET (-)LT / (+)RT	WIDTH (FT)	RIM ELEV.	INVERTS								PAY ITEM	PAY ITEM DESCRIPTION
							N	NE	E	SE	S	SW	W	NW		
PDP-3	EX MH	47TH STREET	99+75.50	24	6	627.98			623.31				623.33		X0323389	STORM SEWER CONNECTION
PDP-3	S102	47TH STREET	100+18.00	16.7	2	627.37									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-3	S102A	47TH STREET	100+18.00	16.7	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-3	S103	47TH STREET	100+15.50	13	16				619.42		619.42		622.41		X1200087	JUNCTION CHAMBER NO. 1
PDP-3	S104	47TH STREET	100+20.00	9.3	2	627.38									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-3	S104A	47TH STREET	100+20.00	9.3	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-3	S105	47TH STREET	100+96.00	5	4	625.99	622.39				620.34				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-3	S105A	47TH STREET	101+15.00	26	4	625.53	620.39								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-3	S106	47TH STREET	101+65.00	5	4	625.44	621.32				620.22				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-3	S107	47TH STREET	101+65.00	26	4	624.88	620.30								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-3	S107A	47TH STREET	102+25.00	26	4	625.00	620.23								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-4	S108	47TH STREET	103+22.00	5	4	625.38	621.32				619.83				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-4	S109	47TH STREET	104+30.00	25.5	4	624.60	619.84								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-4	S109A	47TH STREET	105+00.00	16	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-4	S109B	47TH STREET	105+00.00	16	2	624.92									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-4	S110	47TH STREET	105+46.50	5	4	624.94	621.22				619.57				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-4	S111	47TH STREET	105+46.50	23	4	624.15	619.59								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-4	S112	47TH STREET	107+50.00	22	4	624.10	619.23								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-4	S112A	47TH STREET	108+87.00	22	4	623.68			619.62						60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-4	S113	47TH STREET	108+97.00	5	4	624.33	620.85				619.00				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-4	S114	47TH STREET	108+97.00	22	4	623.65	619.00						619.50		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-5	S115	47TH STREET	110+00.00	13	5				617.03				617.77		X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-5	S116	47TH STREET	110+00.00	17	2	623.99									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-5	S116A	47TH STREET	110+00.00	17	2										X1200254	JUNCTION CHAMBER NO. 3
PDP-5	S117	47TH STREET	110+58.00	22	4	623.60	619.01								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-5	S118	47TH STREET	112+05.00	5	4	623.80	620.37				618.87				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-5	S119	47TH STREET	112+05.00	22	4	623.26	618.87								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-5	S119A	47TH STREET	114+00.00	22	4	623.06	618.67								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-6	S120	47TH STREET	115+38.00	5	4	623.37	619.64				618.53				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-6	S121	47TH STREET	115+38.00	22	4	622.58	618.53								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-6	S121A	47TH STREET	115+40.00	16	2	622.97									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-6	S121B	47TH STREET	115+40.00	16	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-6	S121C	47TH STREET	117+35.00	22	4	622.35	618.33								60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-6	S122	47TH STREET	118+38.00	5	4	622.82	MATCH EX				618.22				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-6	S123	47TH STREET	118+38.00	22	4	621.79	618.22								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-6	S125	47TH STREET	120+50.00	16	2	622.45									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-6	S125A	47TH STREET	120+50.00	16	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-7	S126	47TH STREET	121+95.00	5	4	622.34	MATCH EX				617.77				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-7	S127	47TH STREET	121+95.00	22	4	621.45	617.77								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-7	S128	47TH STREET	124+40.00	27.5	4	621.41	617.46								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-7	S129	47TH STREET	125+11.50	5	4	622.08	MATCH EX				617.22				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-7	S130	47TH STREET	125+11.50	29	4	621.16	617.36								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-8	S130A	47TH STREET	125+14.00	10	2	621.95									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-8	S130B	47TH STREET	125+14.00	10	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-8	S131	47TH STREET	127+35.00	29	4	621.35	617.08								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-8	S132	47TH STREET	128+40.00	5	4	621.95	MATCH EX				616.69				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-8	S133	47TH STREET	128+40.00	29	4	621.00	616.83		617.33						60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-8	S133A	47TH STREET	128+50.00	29	4	621.05							617.45		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-8	S134	47TH STREET	130+38.50	5	4	622.07	MATCH EX				616.34				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-8	S135	47TH STREET	130+38.50	29	4	621.45	616.48								60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-8	S136	47TH STREET	130+95.00	10	2	622.00									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID

MODEL: D162F11-sht-lmpf-0023
FILE NAME: \\Fs01\Projects\1716604_CADD\CADD_Sheets\D162F11-sht-dtail-pt-013.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE STRUCTURE SCHEDULE

SCALE: N.T.S. | SHEET 13 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	169
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

STRUCTURE SCHEDULE

SHEET NO.	STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET (-)LT / (+)RT	WIDTH (FT)	RIM ELEV.	INVERTS								PAY ITEM	PAY ITEM DESCRIPTION
							N	NE	E	SE	S	SW	W	NW		
PDP-8	S136A	47TH STREET	130+95.00	10	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-8	S137	47TH STREET	131+56.50	33	4	621.94					MATCH EX				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-8	HW(016-C019)	47TH STREET	131+62.07	62.34	26										50300225	CONCRETE STRUCTURES
PDP-9	S200	EAST AVENUE	613+23.00	-30	4	629.11		625.09	624.92						60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-9	S201	EAST AVENUE	613+23.00	25.5	6	629.08	621.61	626.50	626.00				624.41		60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-9	EX MH	EAST AVENUE	613+23.00	38.5	6	630.68							626.09		X0323389	STORM SEWER CONNECTION
PDP-9	S202	EAST AVENUE	613+31.00	-25.5	4	629.15						625.14			60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-9	S203	EAST AVENUE	613+35.00	26.5	2	629.08					626.58				60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
PDP-9	S204	EAST AVENUE	615+15.00	26.5	2	628.60		626.19							60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
PDP-9	S205	EAST AVENUE	615+15.00	-25	2	628.70								625.42	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE
PDP-9	S206	EAST AVENUE	615+23.50	-29	4	628.61		625.36	624.86	625.36	625.98				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-9	S207	EAST AVENUE	615+23.50	25.5	6	628.69	621.35	626.10	625.98	626.10	621.37		624.39		60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-9	EX MH	EAST AVENUE	615+23.50	38	6	630.18							626.07		X0323389	STORM SEWER CONNECTION
PDP-9	S208	EAST AVENUE	615+30.00	-25.5	2	628.75						625.45			60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE
PDP-9	S209	EAST AVENUE	615+31.00	26.5	2	628.60					626.19				60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
PDP-10	S210	EAST AVENUE	616+23.50	-30	4	628.77			624.83						60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-10	S211	EAST AVENUE	616+24.00	25.5	6	629.20	621.20		624.35		621.22		624.35		60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-10	S211A	EAST AVENUE	616+24.00	37.5	6	630.12	623.00				623.95		624.47		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-10	S212	EAST AVENUE	616+68.00	37.5	6	630.18	622.33				622.42				60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-10	S213	EAST AVENUE	617+70.00	13	5		620.85				621.00				X1200214	JUNCTION CHAMBER NO. 2
PDP-10	S214	EAST AVENUE	617+70.00	6.5	2	630.38									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-10	S214A	EAST AVENUE	617+70.00	6.5	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-10	S215	EAST AVENUE	617+70.00	19.5	2	630.07									60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID
PDP-10	S215A	EAST AVENUE	617+70.00	19.5	2										X1200058	INLET RISER STRUCTURES (OPEN BOTTOM)
PDP-10	S216	EAST AVENUE	618+72.50	40	2	628.85								625.00	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE
PDP-10	S217	EAST AVENUE	619+25.00	19	5	628.67	619.80		623.77	619.83					60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-10	S218	EAST AVENUE	619+25.00	26	4	628.39	624.50			624.50			623.80		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-10	S219	EAST AVENUE	619+55.00	28	4	627.70					625.00				60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-11	S300	BLUFF AVENUE	12+09.00	14	2	629.10				625.35					60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE
PDP-11	S301	BLUFF AVENUE	12+09.00	-14	2	629.10				625.33					60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE
PDP-11	S302	BLUFF AVENUE	12+18.00	14	4	629.00		624.50		625.29				625.29	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-11	S303	BLUFF AVENUE	12+18.00	-14	4	629.00		624.00		625.27		624.28		625.27	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
PDP-11	S304	BLUFF AVENUE	12+20.00	-20.5	6	629.55				621.46		623.94		621.48	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
PDP-11	S305	BLUFF AVENUE	12+27.00	14	2	629.10								625.35	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE
PDP-11	S306	BLUFF AVENUE	12+27.00	-14	2	629.10								625.33	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE

MODEL: D162F11-sht-dmprf-0023
FILE NAME: \\fg01\Projects\1716604_CADD\CADD_Sheets\D162F11-sht-drdn-pr-014.dgn

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USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
DRAINAGE STRUCTURE SCHEDULE

SCALE: N.T.S. | SHEET 14 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	170
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

STORM SEWER SCHEDULE

SHEET NO.	PIPE NUMBER	FROM STRUCTURE	FROM STATION	OFFSET (-)LT / (+)RT	TO STRUCTURE	TO STATION	OFFSET (-)LT / (+)RT	PIPE SIZE	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)	PAY ITEM	PAY ITEM DESCRIPTION	SPECIAL NOTE
PDP-3	P100	EX MH	99+79.00	22.00	S103	100+15.50	12.25	24	30.2	3.00%	5.3	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	PR STORM SEWER CONNECTION TO EX MH
PDP-3	P101	EX MH	99+79.00	26.00	S103	100+15.50	15.75	24	29.2	3.00%	5.1	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	PR STORM SEWER CONNECTION TO EX MH
PDP-3	P102	S103	100+15.50	13.00	S115	110+00.00	13.00	8x3	974.0	0.17%	0.0	54010803	PRECAST CONCRETE BOX CULVERTS 8' X 3'	
PDP-3	P103	S105	100+96.00	5.00	P102	100+96.00	13.00	12	2.0	2.00%	0.6	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-3	P103A	S105A	101+15.00	26.00	P102	101+15.00	13.00	12	6.0	2.00%	1.8	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-3	P104	S106	101+65.00	5.00	P102	101+65.00	13.00	12	2.0	2.00%	0.5	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-3	P105	S107	101+65.00	26.00	P102	101+65.00	13.00	12	6.0	2.00%	1.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-3	P105A	S107A	102+25.00	26.00	P102	102+25.00	13.00	12	6.0	2.00%	1.2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P106	S108	103+22.00	5.00	P102	103+22.00	13.00	15	2.0	2.00%	0.6	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	
PDP-4	P107	S109	104+30.00	25.50	P102	104+30.00	13.00	12	5.5	2.00%	1.2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P108	S110	105+46.50	5.00	P102	105+46.50	13.00	12	2.0	2.00%	0.6	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P109	S111	105+46.50	23.00	P102	105+46.50	13.00	12	3.0	2.00%	0.5	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P110	S112	107+50.00	22.00	P102	107+50.00	13.00	12	2.0	2.00%	0.5	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P110A	S112A	108+87.00	22.00	S114	108+97.00	22.00	12	6.0	2.00%	1.4	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P111	S113	108+97.00	5.00	P102	108+97.00	13.00	12	2.0	2.00%	0.6	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-4	P112	S114	108+97.00	22.00	P102	108+97.00	13.00	12	2.0	3.00%	0.4	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-5	P113	S115	110+00.00	13.00	S125	120+50.00	16.00	8x4	1,045.0	0.10%	0.0	54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	
PDP-5	P114	S117	110+58.00	22.00	P113	110+58.00	13.00	12	2.0	2.00%	0.4	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-5	P115	S118	112+05.00	5.00	P113	112+05.00	13.00	12	2.0	2.00%	0.5	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-5	P116	S119	112+05.00	22.00	P113	112+05.00	13.00	12	2.0	2.00%	0.3	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-5	P116A	S119A	114+00.00	22.00	P113	114+00.00	13.00	12	2.0	2.00%	0.4	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-6	P117	S120	115+38.00	5.00	P113	115+38.00	13.00	12	2.0	2.00%	0.4	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-6	P118	S121	115+38.00	22.00	P113	115+38.00	13.00	12	2.0	2.00%	0.3	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-6	P118A	S121C	117+35.00	22.00	P113	117+35.00	13.00	12	2.0	2.00%	0.3	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-6	P119	S122	118+38.00	5.00	P113	118+38.00	13.00	12	2.0	2.00%	0.4	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-6	P120	S123	118+38.00	22.00	P113	118+38.00	13.00	12	2.0	2.00%	0.3	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-6	P120A		120+47.50	13.00	P113	120+53.50	13.00	8x4	6.0	0.17%	0.0	54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	SLOPE CHANGE FROM 0.1% TO 0.17%
PDP-7	P121	S125	120+52.50	13.00	S136	130+92.50	13.00	8x4	1,039.0	0.17%	0.0	54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	
PDP-7	P122	S126	121+95.00	5.00	P121	121+95.00	13.00	12	2.0	2.00%	0.4	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-7	P123	S127	121+95.00	22.00	P121	121+95.00	13.00	12	2.0	2.00%	0.3	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-7	P124	S128	124+40.00	27.50	P121	124+40.00	13.00	12	7.5	2.00%	1.1	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-7	P125	S129	125+11.50	5.00	P121	125+11.50	13.00	12	2.0	2.00%	0.5	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-7	P126	S130	125+11.50	29.00	P121	125+11.50	13.00	12	9.0	2.00%	1.2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P127	S131	127+35.00	29.00	P121	127+35.00	13.00	12	9.0	2.00%	1.7	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P128	S132	128+40.00	5.00	P121	128+40.00	13.00	12	2.0	2.00%	0.6	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P129	S133	128+40.00	29.00	P121	128+40.00	13.00	12	9.0	2.00%	1.6	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-8	P129A	S133	128+40.00	29.00	S133A	128+50.00	29.00	12	6.0	2.00%	1.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P130	S134	130+38.50	5.00	P121	130+38.50	13.00	12	2.0	2.00%	0.6	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P131	S135	130+38.50	29.00	P121	130+38.50	13.00	12	9.0	2.00%	2.5	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P132	P121	130+92.50	13.00	P133	131+04.50	17.00	8x4	12.0	0.17%	0.0	54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	2X6' RCBC SECTIONS WITH 20 DEGREE BEND
PDP-8	P133	P132	131+04.50	17.00	HW(016-C019)	131+50.00	55.50	8x4	60.0	0.17%	0.0	54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	CONNECT TO NEW STRUCTURE NO. 016-C019
PDP-8	P134	EX PIPE	131+57.49	40.93	HW(016-C019)	131+58.53	49.72	12	8.9	MATCH EX	0.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-8	P135	EX PIPE	131+71.14	42.69	HW(016-C019)	131+64.89	48.49	12	8.5	MATCH EX	0.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-9	P200	S200	613+23.00	-30.00	S201	613+23.00	25.50	12	50.5	1.00%	14.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-9	P201	S201	613+23.00	25.50	EX MH	613+23.00	38.50	12	9.0	1.00%	1.0	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	PR STORM SEWER CONNECTION TO EX MH
PDP-9	P202	S202	613+31.00	-25.50	S200	613+23.00	-30.00	12	5.0	1.00%	0.7	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P203	S203	613+35.00	26.50	S201	613+23.00	25.50	12	8.0	1.00%	1.1	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P204	S201	613+23.00	25.50	S207	615+23.50	25.50	48	194.5	0.12%	170.8	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	
PDP-9	P205	S205	615+15.00	-25.00	S206	615+23.50	-29.00	12	6.0	1.00%	0.8	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P206	S204	615+15.00	26.50	S207	615+23.50	25.50	12	4.5	2.00%	0.6	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P207	S207	615+23.50	25.50	EX MH	615+23.50	38.00	12	8.5	1.00%	0.4	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	PR STORM SEWER CONNECTION TO EX MH

MODEL: D162F11-sht-lmprf-0023
FILE NAME: \\fg01\Projects\16604_CADD\CADD_Sheets\62F11-sht-dtail-pr-015.dgn

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USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STORM SEWER SCHEDULE

SCALE: N.T.S. | SHEET 15 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	171
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

STORM SEWER SCHEDULE

SHEET NO.	PIPE NUMBER	FROM STRUCTURE	FROM STATION	OFFSET (-)LT / (+)RT	TO STRUCTURE	TO STATION	OFFSET (-)LT / (+)RT	PIPE SIZE	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CU YD)	PAY ITEM	PAY ITEM DESCRIPTION	SPECIAL NOTE
PDP-9	P208	S206	615+23.50	-29.00	S207	615+23.50	25.50	12	46.5	1.00%	11.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-9	P209	S208	615+30.00	-25.50	S206	615+23.50	-29.00	12	4.0	1.00%	0.5	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P210	S209	615+31.00	26.50	S207	615+23.50	25.50	12	3.5	2.50%	0.5	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-9	P211	S207	615+23.50	25.50	S211	616+24.00	25.50	48	94.5	0.11%	60.8	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	
PDP-10	P212	S210	616+23.50	-30.00	S211	616+24.00	25.50	12	47.5	1.00%	12.2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-10	P212A	S211A	616+24.00	37.50	S211	616+24.00	25.50	12	6.0	2.00%	0.8	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-10	P213	S211	616+24.00	25.50	S213	617+70.00	11.75	48	141.1	0.14%	140.3	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	
PDP-10	P214	S211A	616+24.00	37.50	S212	616+68.00	37.50	48	38.0	1.53%	0.0	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	
PDP-10	P214A	S212	616+68.00	37.50	S213	617+70.00	17.50	48	97.5	1.35%	67.7	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	
PDP-10	P215	S213	617+70.00	8.00	BORE PIT	617+88.00	8.00	36	15.5	0.68%	21.1	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P216	S213	617+70.00	12.50	BORE PIT	617+88.00	12.50	36	15.5	0.68%	21.1	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P217	S213	617+70.00	18.00	BORE PIT	617+88.00	18.00	36	15.5	0.68%	21.1	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P217A	BORE PIT	617+88.00	8.00	BORE PIT	619+05.00	8.00	36	117.0	0.68%	0.0	X5520130	STORM SEWERS JACKED IN PLACE, 36"	STEEL CASING PIPE REQUIRED. SEE SP
PDP-10	P217B	BORE PIT	617+88.00	12.50	BORE PIT	619+05.00	12.50	36	117.0	0.68%	0.0	X5520130	STORM SEWERS JACKED IN PLACE, 36"	STEEL CASING PIPE REQUIRED. SEE SP
PDP-10	P217C	BORE PIT	617+88.00	18.00	BORE PIT	619+05.00	18.00	36	117.0	0.68%	0.0	X5520130	STORM SEWERS JACKED IN PLACE, 36"	STEEL CASING PIPE REQUIRED. SEE SP
PDP-10	P218	S216	618+72.50	40.00	S218	619+25.00	26.00	12	51.0	1.00%	11.0	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-10	P218A	BORE PIT	619+05.00	8.00	S103	619+86.94	8.00	36	77.5	0.68%	105.4	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P218B	BORE PIT	619+05.00	12.50	S103	619+86.94	12.50	36	77.5	0.68%	105.4	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P218C	BORE PIT	619+05.00	18.00	S217	619+25.00	18.00	36	17.5	0.68%	23.8	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P219	S218	619+25.00	26.00	S217	619+25.00	19.00	12	1.5	2.00%	0.4	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	
PDP-10	P220	S217	619+25.00	19.00	S103	619+86.94	19.00	36	55.0	0.68%	74.8	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	
PDP-10	P221	S219	619+55.00	28.00	S218	619+25.00	26.00	12	26.0	1.90%	3.4	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-11	P300	S300	12+09.00	14.00	S302	12+18.00	14.00	12	6.0	1.00%	0.8	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-11	P301	S301	12+09.00	-14.00	S303	12+18.00	-14.00	12	6.0	1.00%	0.8	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-11	P302	S302	12+18.00	14.00	S303	12+18.00	-14.00	15	22.0	1.00%	5.2	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	
PDP-11	P303	S303	12+18.00	-14.00	S304	12+20.00	-20.50	30	3.0	2.00%	0.8	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	
PDP-11	P304	S305	12+27.00	14.00	S302	12+18.00	14.00	12	6.0	1.00%	0.8	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
PDP-11	P305	S306	12+27.00	-14.00	S303	12+18.00	-14.00	12	6.0	1.00%	0.8	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	
										TOTAL	916			

MODEL: D162F11-sht-dmprf-0023
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
STORM SEWER SCHEDULE

SCALE: N.T.S. | SHEET 16 OF 17 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	172
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

PIPE UNDERDRAIN SCHEDULE

SHEET NO.	PIPE NUMBER	FROM STRUCTURE	FROM STATION	OFFSET (-)LT / (+)RT	TO STRUCTURE	TO STATION	OFFSET (-)LT / (+)RT	PIPE SIZE	LENGTH (FT)	PAY ITEM	PAY ITEM DESCRIPTION
PDP-3	U-100		619+56.00	28.00	S105A	101+15.00	26.00	4	90.1	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-3	U-101	S105A	99+79.00	26.00	S107	101+65.00	26.00	4	182.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-3	U-102	S107	101+65.00	26.00	S107A	102+25.00	26.00	4	56.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-3&4	U-103	S107A	102+25.00	26.00	S109	104+30.00	25.50	4	201.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-4	U-104	S109	104+30.00	25.50	S111	105+46.50	23.00	4	112.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-4	U-105	S111	105+46.50	23.00	S112	107+50.00	22.00	4	199.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-4	U-106	S112	107+50.00	22.00	S112A	108+87.00	22.00	4	133.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-4	U-107	S112A	108+87.00	22.00	S114	108+97.00	22.00	4	6.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-4&5	U-108	S114	108+97.00	22.00	S117	110+58.00	22.00	4	157.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-5	U-109	S117	110+58.00	22.00	S119	112+05.00	22.00	4	143.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-5	U-110	S119	112+05.00	22.00	S119A	114+00.00	22.00	4	191.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-5&6	U-111	S119A	114+00.00	22.00	S121	115+38.00	22.00	4	134.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-6	U-112	S121	115+38.00	22.00	S121C	117+35.00	22.00	4	193.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-6	U-113	S121C	117+35.00	22.00	S123	118+38.00	22.00	4	99.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-6&7	U-114	S123	118+38.00	22.00	S127	121+95.00	22.00	4	353.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-7	U-115	S127	121+95.00	22.00	S128	124+40.00	27.50	4	241.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-7	U-116	S128	124+40.00	27.50	S130	125+11.50	29.00	4	67.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-7&8	U-117	S130	125+11.50	29.00	S131	127+35.00	29.00	4	219.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-8	U-118	S131	127+35.00	29.00	S133	128+40.00	29.00	4	101.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-8	U-119	S133	128+40.00	29.00	S133A	128+50.00	29.00	4	6.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-8	U-120	S133A	128+50.00	29.00	S135	130+38.50	29.00	4	184.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-8	U-121	S135	130+38.50	29.00		131+88.00	29.00	4	147.5	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-8	U-122		131+88.00	29.00	EX MH	131+88.00	28.00	4	1.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-10	U-200	S211	616+25.00	25.30		617+88.00	25.30	4	163.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-10	U-201		618+70.00	25.30	S218	619+24.00	25.30	4	54.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
PDP-10	U-202	S218	619+25.00	28.00	S219	619+55.00	28.00	4	30.0	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
								TOTAL	3,466		

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - VP	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 40.0006 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/19/2024	DATE - 3/5/2024	REVISED -

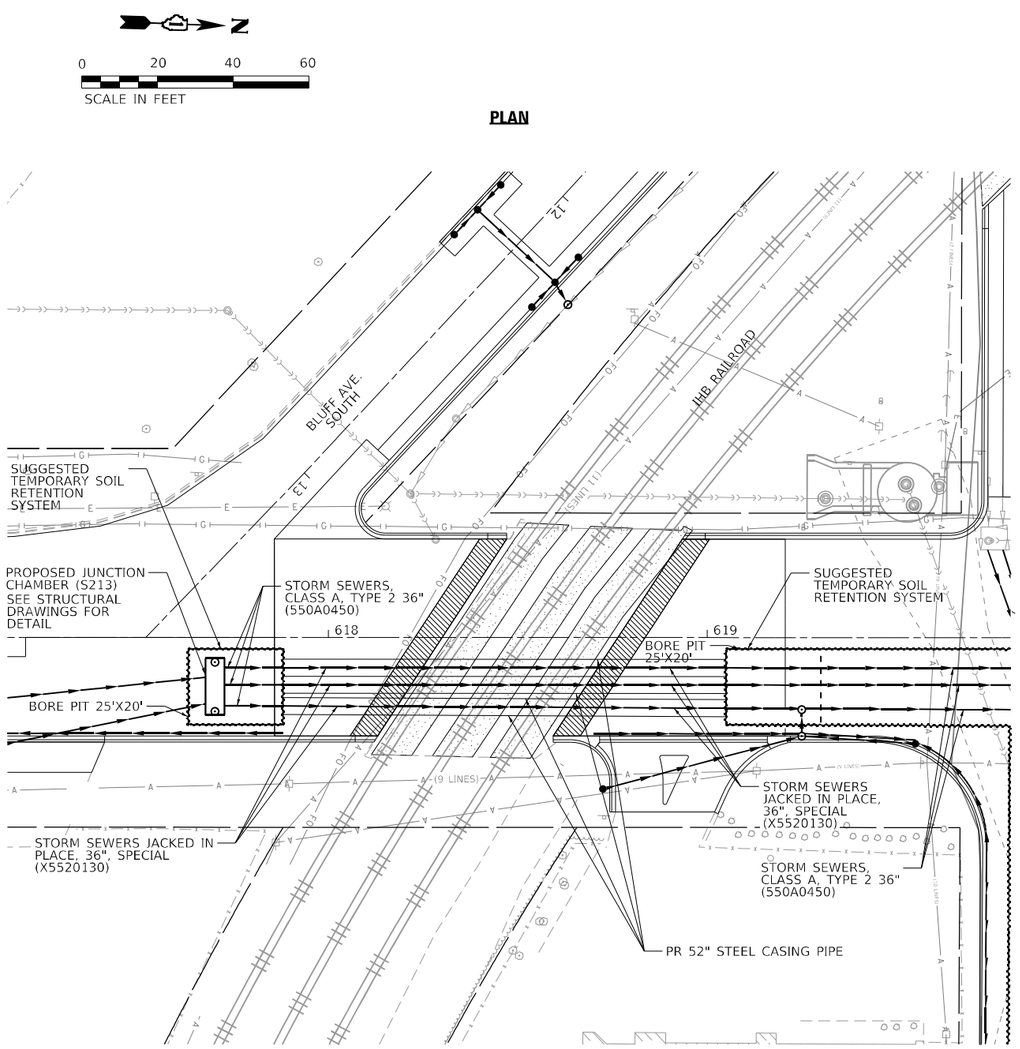
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PIPE UNDERDRAIN SCHEDULE

SCALE: N.T.S. | SHEET 17 OF 17 SHEETS | STA. | TO STA.

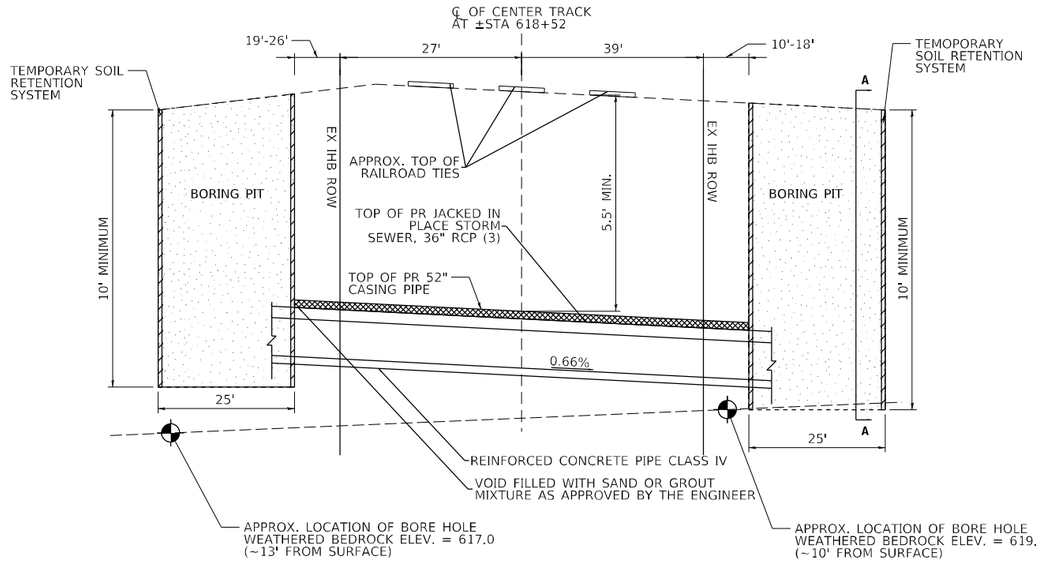
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	173
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PLAN



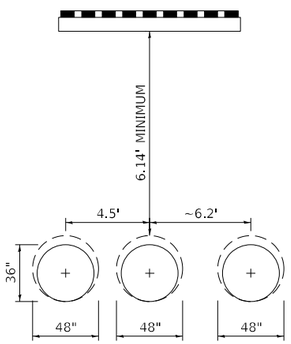
PIPE JACKING DETAIL

NOT TO SCALE



SECTION A–A

(FACING NORTH)



PDP–18

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - VP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET PIPE JACKING DETAIL
		DRAWN - TS	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: NTS SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	174
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-alnprf-0026
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SHEET INDEX

1	COVER & OWNERS SHEET
2–9	PLAT OF HIGHWAYS
10–13	TOTAL HOLDINGS
14	SECTION & ALIGNMENT

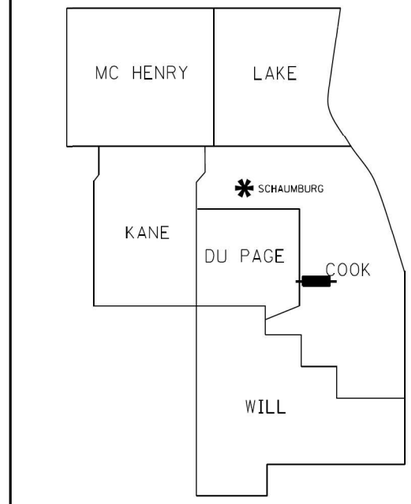
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OLG0001	COUNTRYSIDE BANK F/K/A STATE BANK OF COUNTRYSIDE AS TRUSTEE UNDER TRUST AGREEMENT DATED FEBRUARY 23, 2001 KNOWN AS TRUST NO. 01-2269	2 & 10	
OLG0002	THOMAS ANDREWS AND PATRICIA ANDREWS AS TRUSTEES UNDER TRUST AGREEMENT DATED DECEMBER 15, 2014 KNOWN AS THE THOMAS AND PATRICIA ANDREWS FAMILY TRUST	3 & 10	
OLG0003	NORTHERN ILLINOIS GAS COMPANY	4	
OLG0004	CHICAGO TITLE LAND TRUST COMPANY SUCCESSOR TO AVENUE BANK NORTHWEST AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 27, 1988 KNOWN AS TRUST NO. 917	5	
OLG0006	MATERIAL SERVICE CORPORATION, A DELAWARE CORPORATION	6, 7, 8, 11 & 12	
OLG0007	MIF 47th STREET (McCOOK), LLC, AN ILLINOIS LIABILITY COMPANY	9 & 12	
OLG0008	CENTERPOINT McCOOK INDUSTRIAL CENTER II PROPERTY OWNERS' ASSOCIATION, AN ILLINOIS NOT-FOR-PROFIT CORPORATION	9 & 13	
OLG0009	INDIANA HARBOR BELT RAILROAD COMPANY	3 & 10	

NOTE: PARCEL OLG0005 IS INTENTIONALLY OMITTED, PER OWNERSHIP CHANGE 11/18/2020

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: 47th STREET
SECTION:
COUNTY: COOK
LIMITS: AT EAST AVENUE
JOB NO.: R–90–025–16



DISTRICT HEADQUARTERS: –
LOCATION OF SECTION INDICATED THUS: –

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

LOCATION MAP

GROSS LENGTH = 3591.40 FT. = 0.632 MILE, 47th STREET
GROSS LENGTH = 952.47 FT. = 0.168 MILE, EAST AVENUE
NET LENGTH = 4543.87 FT. = 0.800 MILE

IDOT USE ONLY

PL–01

MODEL: Default
FILE NAME: \\60.1\Projects\17166\04_CADD\CADD_Sheets\D 62F11-sht-PL-001.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska		DESIGNED - TS		REVISED -	
		DRAWN - TS		REVISED -	
PLOT SCALE = 2.0000 ' / in.		CHECKED - CLG		REVISED -	
PLOT DATE = 3/14/2024		DATE - 3/5/2024		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	175
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

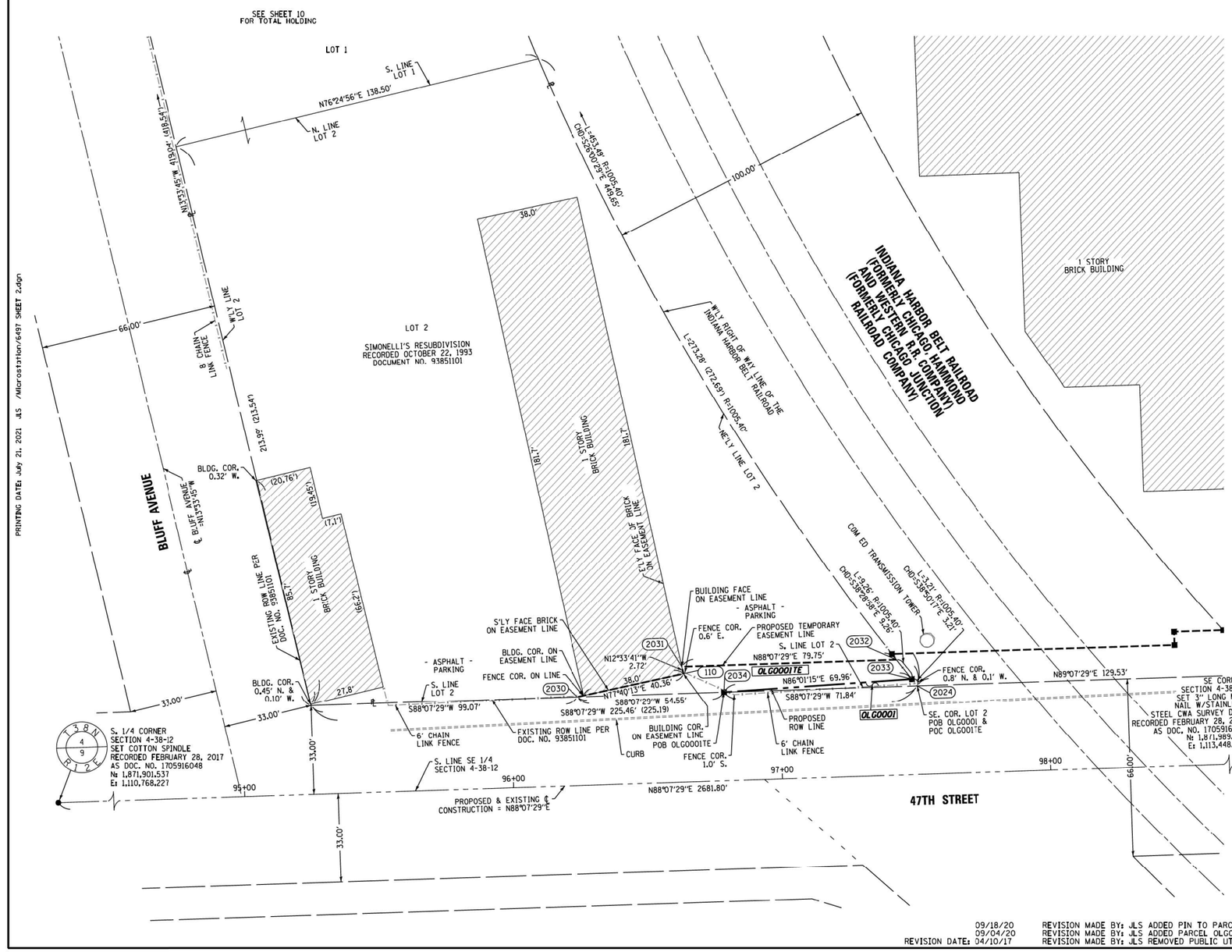
PART OF THE SE 1/4 OF SECTION 4 IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0LG0001	1.482	0.002 (92 SQ. FT.)		1.480			18-04-410-035; 18-04-418-036
0LG0001TE					0.020		

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

COORDINATE TABLE ~ 47th STREET

PT.NO.	STATION	OFFSET	NORTHING	EASTING
2030	96+24.81	33.00' LT	1,872,009.9280	1,113,070.2549
2031	96+64.00	43.00' LT	1,872,021.2051	1,113,109.0947
110	96+64.50	40.32' LT	1,872,018.5470	1,113,109.6870
2034	96+79.36	33.00' LT	1,872,011.7131	1,113,124.7753
2032	97+43.75	43.00' LT	1,872,023.8149	1,113,188.8035
2033	97+49.27	35.57' LT	1,872,016.5677	1,113,194.5646
2024	97+51.20	33.00' LT	1,872,014.0642	1,113,196.5802



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET

SCALE: 1"=20'

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

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE — COUNTY: COOK
SECTION: — JOB NO.: R-90-025-16
STA. 96+24.81 TO STA. 97+51.20
SCALE: 1" = 20' — SHEET 2 OF 14 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

IDOT USE ONLY

REVISION DATE:	REVISION MADE BY:
09/18/20	JLS ADDED PIN TO PARCEL OLG0001
09/04/20	JLS ADDED PARCEL OLGOOOSPE
04/10/17	JLS REMOVED PUBLIC UTILITIES.

PRINTING DATE: July 21, 2021 JLS /Microstation/6497 SHEET 2.dgn

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PL-02

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

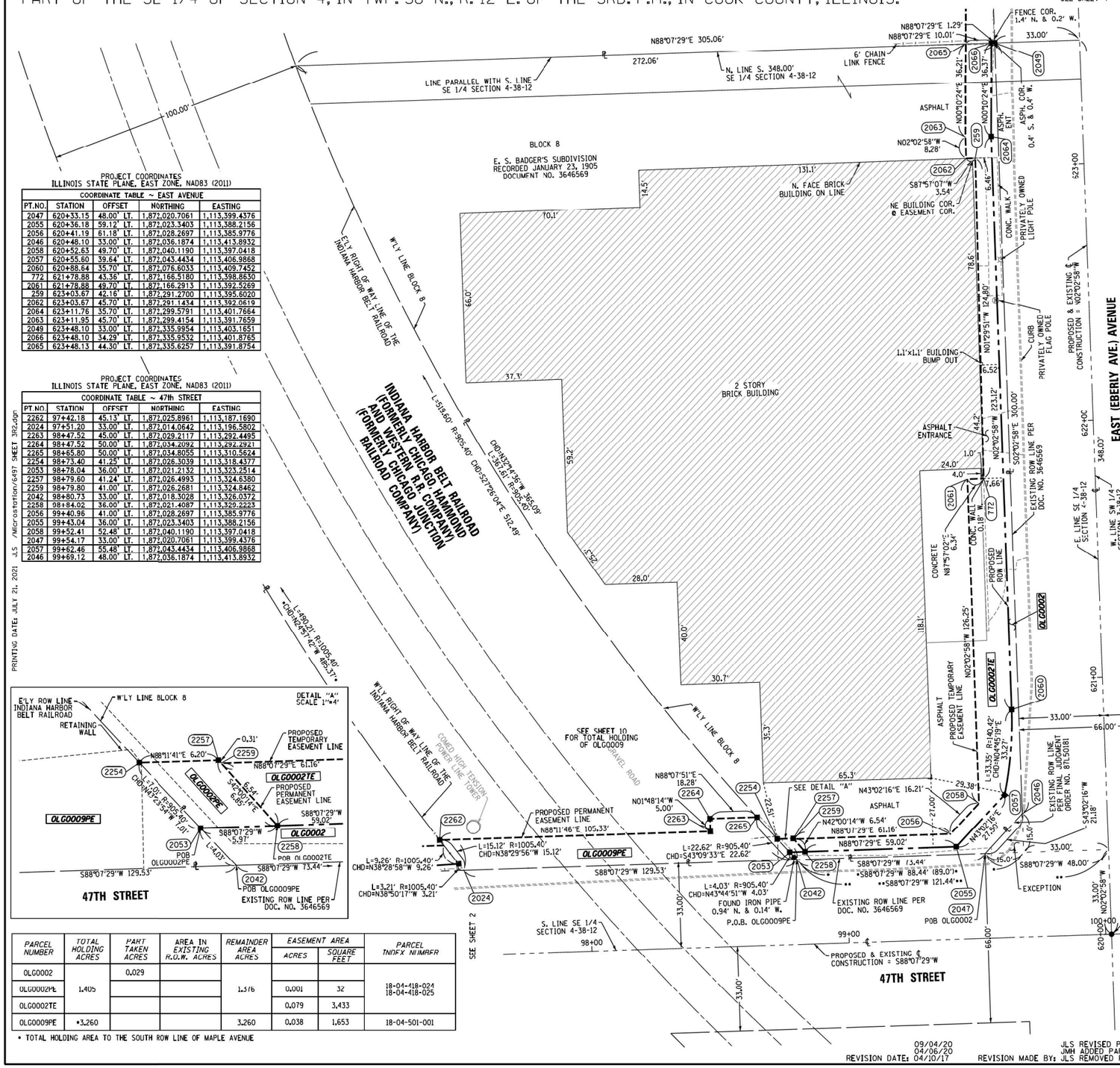
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	176
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SE 1/4 OF SECTION 4, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0002	1.405	0.029		1.376			18-04-418-024 18-04-418-025
OLG0002PE					0.001	32	
OLG0002TE					0.079	3,433	
OLG0009PE	*3.260			3.260	0.038	1,653	18-04-501-001

* TOTAL HOLDING AREA TO THE SOUTH ROW LINE OF MAPLE AVENUE

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

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

GRAPHIC SCALE FEET 0 20' — SCALE: 1"=20'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL NO. 2962 — PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE — COUNTY: COOK
SECTION: — JOB NO.: R-90-025-16
STA. 97+43.75 TO STA. 99+69.12
SCALE: 1" = 20' — SHEET 3 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

REVISION DATE: 09/04/20, 04/06/20, 04/10/17
REVISION MADE BY: JLS REVISED PARCEL 0009PE, 0002TE; JMH ADDED PARCEL 0009, REVISED 0002; JLS REMOVED PUBLIC UTILITIES.

PL-03

PRINTING DATE: JULY 21, 2021 3:5 /Microstation/6497 SHEET 302.dgn

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

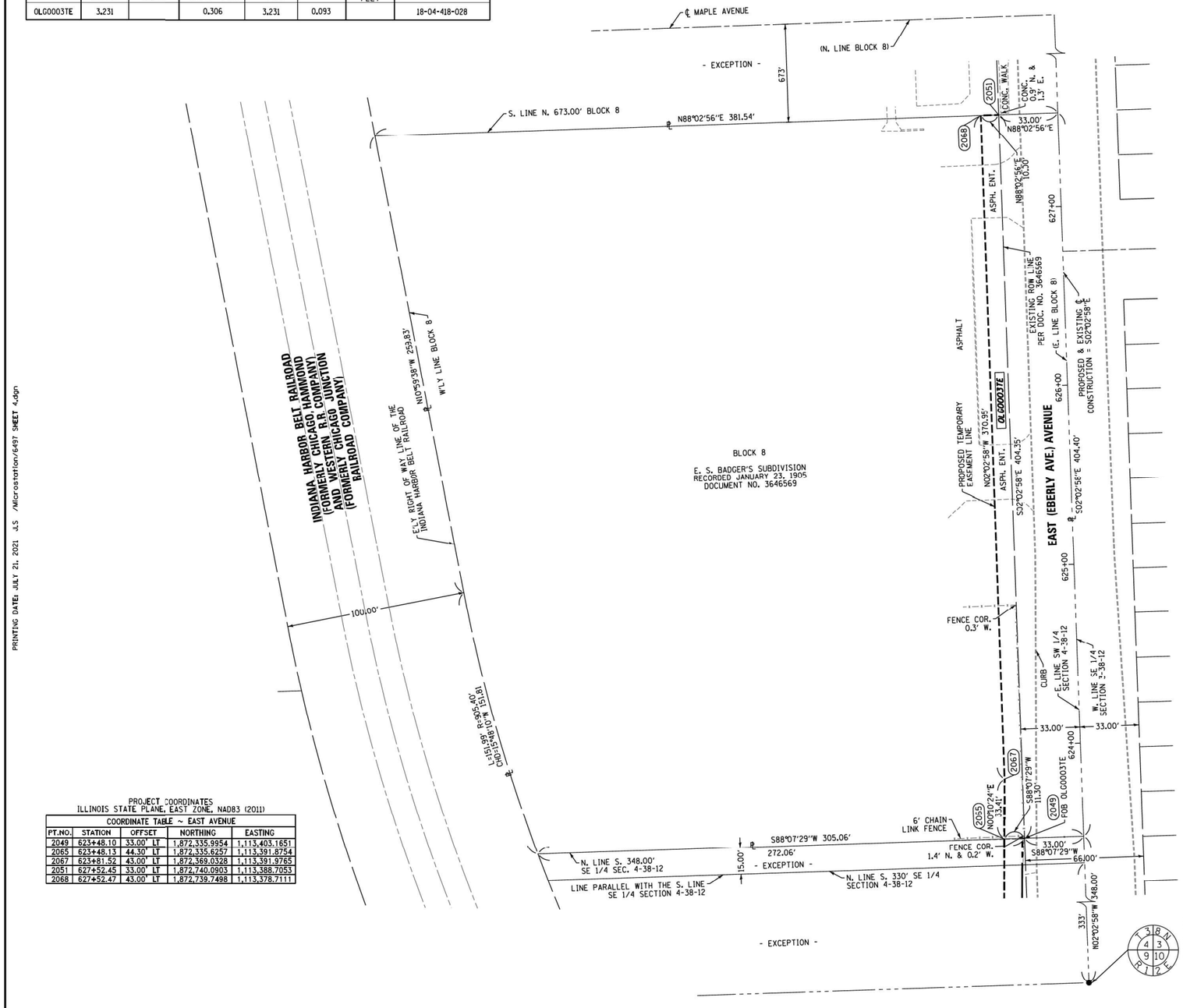
PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	177
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SE 1/4 OF SECTION 4, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0LG0003TE	3.231		0.306	3.231	0.093		18-04-418-028



SEE SHEET 3

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

COORDINATE TABLE ~ EAST AVENUE				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
2049	623+48.10	33.00' LT	1,872,335.9954	1,113,403.1651
2055	623+48.13	44.30' LT	1,872,335.6257	1,113,391.8754
2067	623+81.52	43.00' LT	1,872,369.0328	1,113,391.9765
2051	627+52.45	33.00' LT	1,872,740.0903	1,113,388.7053
2068	627+52.47	43.00' LT	1,872,739.7498	1,113,378.7111

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 30'
SCALE: 1"=30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- PROPOSED EASEMENT
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- 129.32' (COMP) COMPUTED DIMENSION
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- ○ IRON PIPE OR ROD FOUND
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

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CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job "6497

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE — COUNTY: COOK
SECTION: — JOB NO.: R-90-025-16
STA. 623+48.10 TO STA. 627+52.47
SCALE: 1" = 30' — SHEET 4 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

PL-04

PRINTING DATE: JULY 21, 2021 4:5 /Microstation/6497 SHEET 4.dgn

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

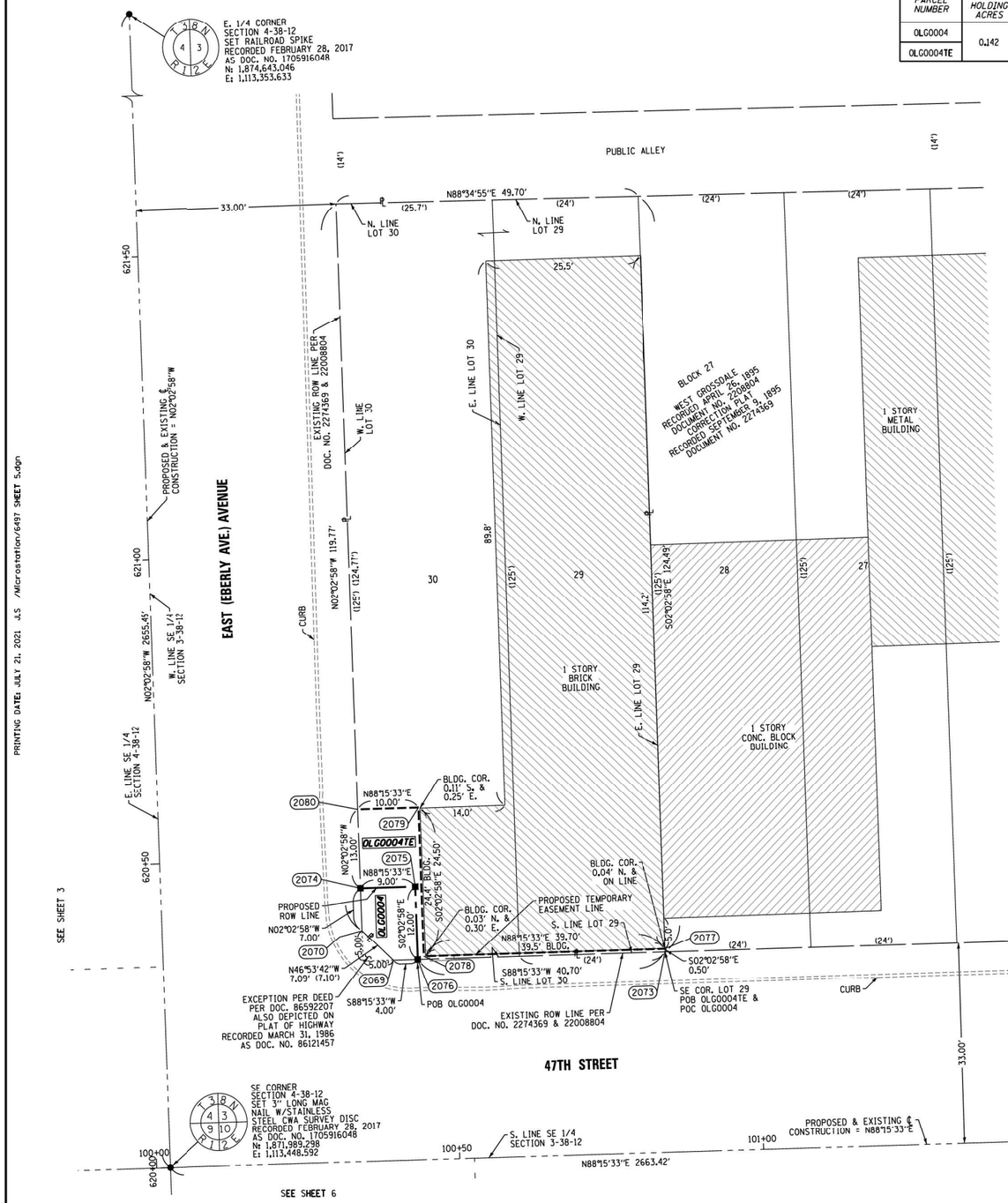
PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	178
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 3, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0LG0004	0.142	0.002 96 SQ. FT.		0.140			18-03-322-039 18-03-322-040
0LG0004TE					0.004	162	



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

COORDINATE TABLE ~ 47th STREET

PT.NO.	STATION	OFFSET	NORTHING	EASTING
2080	100+34.96	58.00' LT.	1,872,048.2640	1,113,479.5033
2074	100+35.03	45.00' LT.	1,872,035.2723	1,113,479.9682
2070	100+35.07	38.00' LT.	1,872,028.2766	1,113,480.2185
2069	100+40.09	33.00' LT.	1,872,023.4317	1,113,485.3950
2075	100+44.03	45.00' LT.	1,872,035.5457	1,113,488.9641
2076	100+44.09	33.00' LT.	1,872,023.5532	1,113,489.3933
2078	100+45.09	33.50' LT.	1,872,024.0833	1,113,490.3749
2073	100+84.79	33.00' LT.	1,872,024.7897	1,113,530.0743
2077	100+84.79	33.50' LT.	1,872,025.2893	1,113,530.0565

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

COORDINATE TABLE ~ EAST AVENUE

PT.NO.	STATION	OFFSET	NORTHING	EASTING
2076	620+32.77	42.00' RT.	1,872,023.5532	1,113,489.3933
2069	620+32.80	38.00' RT.	1,872,023.4317	1,113,485.3950
2078	620+33.27	43.00' RT.	1,872,024.0833	1,113,490.3749
2070	620+37.82	33.00' RT.	1,872,028.2766	1,113,480.2185
2075	620+44.77	42.00' RT.	1,872,035.5457	1,113,488.9641
2074	620+44.82	33.00' RT.	1,872,035.2723	1,113,479.9682
2079	620+57.77	43.00' RT.	1,872,048.5678	1,113,489.4988
2080	620+57.82	33.00' RT.	1,872,048.2640	1,113,479.5033

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
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- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 10'

SCALE: 1"=10'

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
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STATE OF ILLINOIS PROFESSIONAL LAND SURVEYOR "DAVID A. CLAASSEN" JOLIET, IL NO. 2962

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

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LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA JOB #6497

REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 100+35.07 TO STA. 100+84.79
SCALE: 1" = 10' SHEET 5 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-05

PRINTING DATE: JULY 21, 2021 4:5 /Microstation/6497 SHEET 5.dgn

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

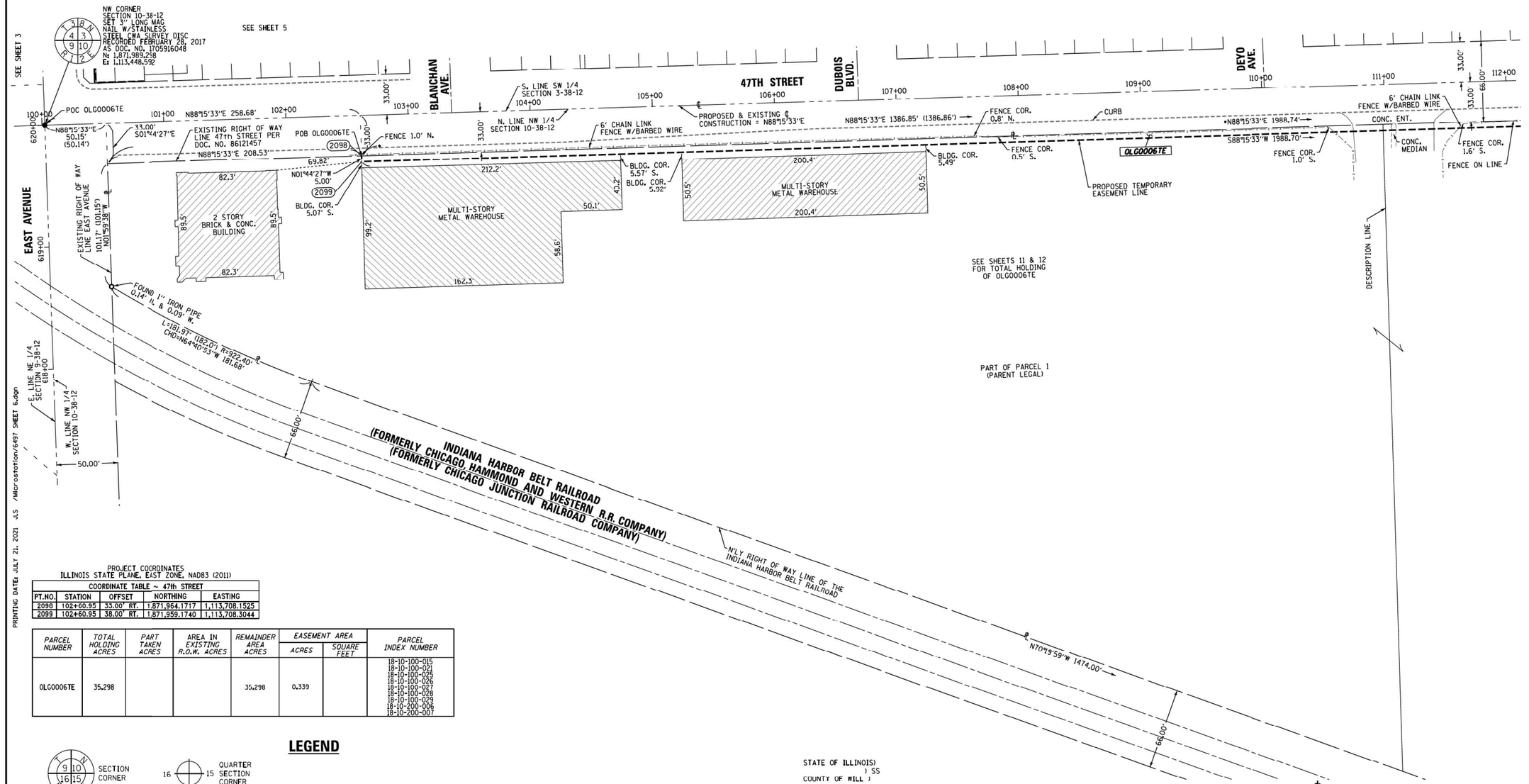
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	179
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PART OF THE NW 1/4 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PRINTING DATE: JULY 21, 2021 4:5 /Microstation/6497 SHEET 6.dgn

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

COORDINATE TABLE ~ 47th STREET				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
2098	102+60.95	33.00' RT.	1,871,964.1717	1,113,708.1525
2099	102+60.95	38.00' RT.	1,871,959.1740	1,113,708.3044

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0006TE	35.298			35.298	0.339		18-10-100-015 18-10-100-021 18-10-100-025 18-10-100-026 18-10-100-027 18-10-100-028 18-10-100-029 18-10-200-006 18-10-200-007

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
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- 129.32' MEASURED DIMENSION
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AREAS SHOWN ON THIS PLAT ARE GROUND.

N

GRAPHIC SCALE FEET
0 40'
SCALE: 1"=40'

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039. HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2020 A.D.

VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: 11/17/20 REVISION MADE BY: JLS COMBINED PARCELS 5 & 6.
REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

STATE OF ILLINOIS DAVID A. CLAASSEN 035-002962 JOLIET, IL NO. 2962 PROFESSIONAL LAND SURVEYOR

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

IDOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 102+60.95 TO STA. 112+00
SCALE: 1" = 40' SHEET 6 OF 14 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-06

MODEL: Default
FILE NAME: \\60.1\Projects\171660\4_CADD\CADD Sheets\D 162F11-sht-PL-006.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

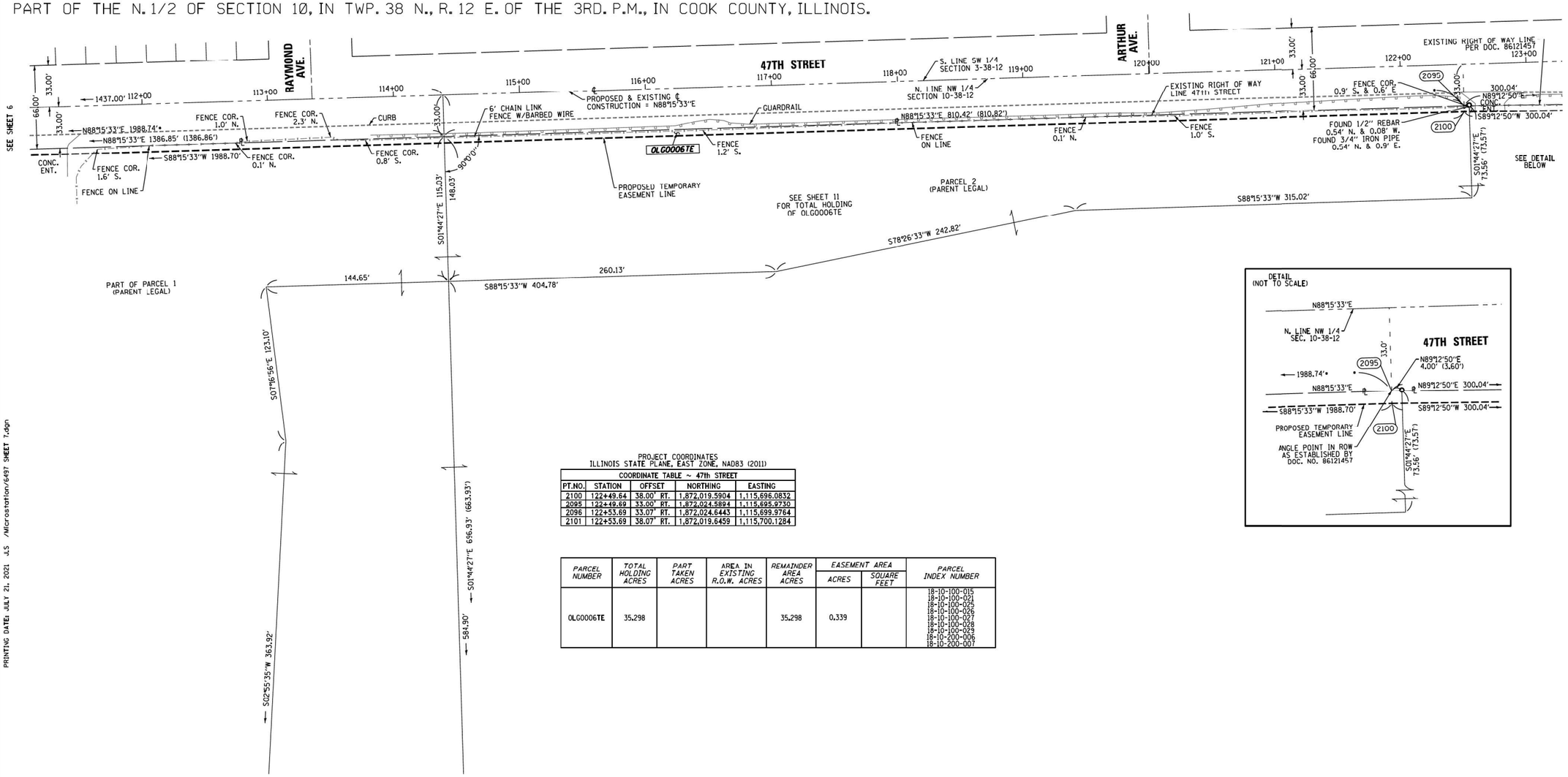
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	180
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PART OF THE N. 1/2 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



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

COORDINATE TABLE ~ 47th STREET

PT.NO.	STATION	OFFSET	NORTHING	EASTING
2100	122+49.64	38.00' RT.	1,872,019.5904	1,115,696.0832
2095	122+49.69	33.00' RT.	1,872,024.5894	1,115,695.9730
2096	122+53.69	33.07' RT.	1,872,024.6443	1,115,699.9764
2101	122+53.69	38.07' RT.	1,872,019.6459	1,115,700.1284

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0006TE	35.298			35.298	0.339		18-10-100-015 18-10-100-021 18-10-100-022 18-10-100-026 18-10-100-027 18-10-100-028 18-10-100-029 18-10-200-006 18-10-200-007

LEGEND

SECTION CORNER (9 10 16 15 N W E S)

QUARTER 16 15 SECTION CORNER

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

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5 / 8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

N

GRAPHIC SCALE
FEET
0 40'
SCALE: 1"=40'

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: 11/17/20 REVISION MADE BY: JLS COMBINED PARCELS 5 & 6.
REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

IDOT USE ONLY

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 112+00 TO STA. 122+53.69
SCALE: 1" = 40' SHEET 7 OF 14 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-07

PRINTING DATE: JULY 21, 2021 JLS /Microstation/6497 SHEET 7.dgn
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

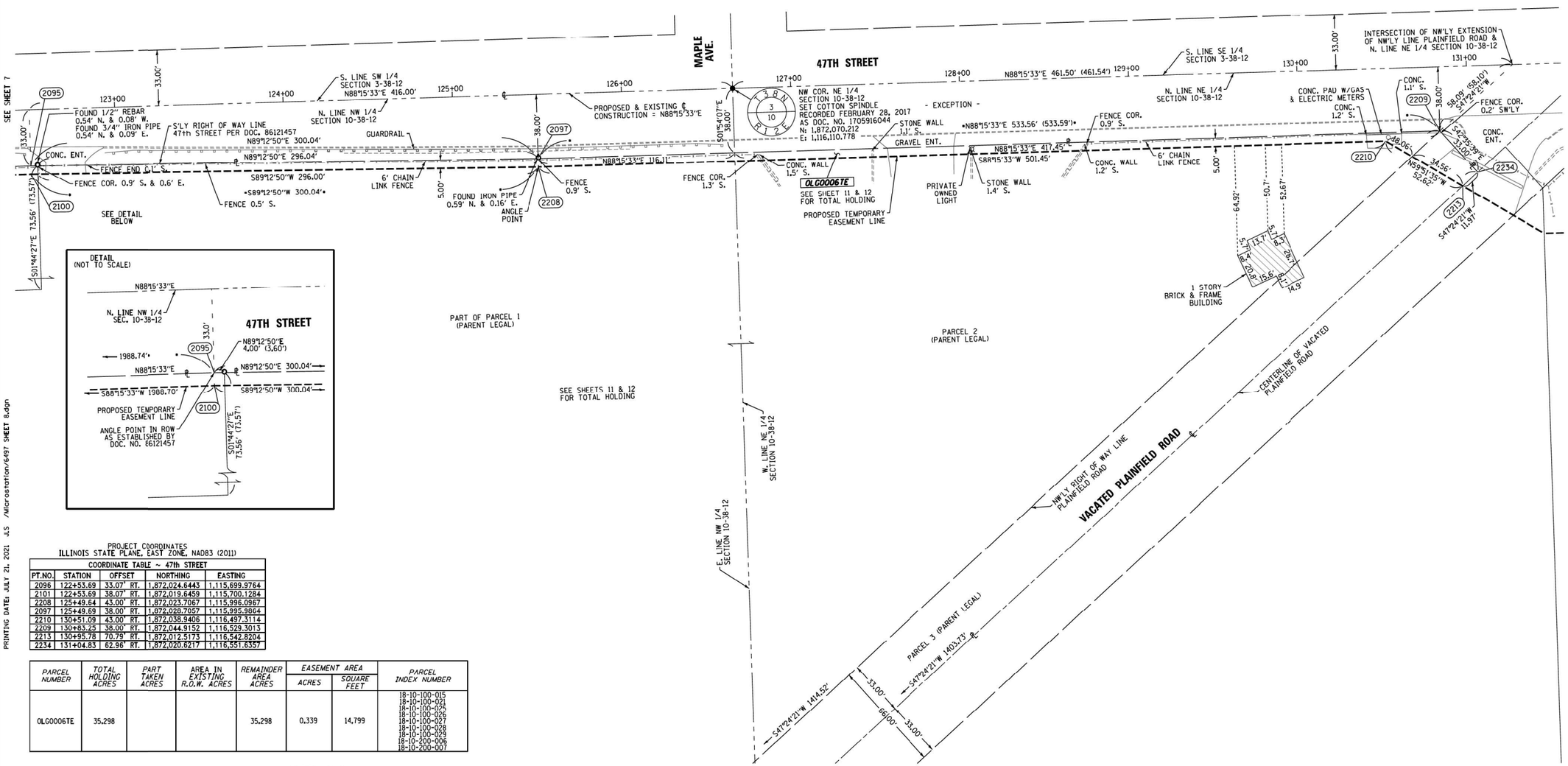
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	181
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

PART OF THE N. 1/2 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



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

COORDINATE TABLE ~ 47th STREET

PT.NO.	STATION	OFFSET	NORTHING	EASTING
2096	122+53.69	33.07' RT.	1,872,024.6443	1,115,699.9764
2101	122+53.69	38.07' RT.	1,872,019.6459	1,115,700.1284
2208	125+49.64	43.00' RT.	1,872,023.7067	1,115,996.0967
2097	125+49.69	38.00' RT.	1,872,028.7057	1,115,995.9864
2210	130+51.09	43.00' RT.	1,872,038.9406	1,116,497.3114
2209	130+83.25	38.00' RT.	1,872,044.9152	1,116,529.3013
2213	130+95.78	70.79' RT.	1,872,012.5173	1,116,542.8204
2234	131+04.83	62.96' RT.	1,872,020.6217	1,116,551.6357

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0006TE	35.298			35.298	0.339	14,799	18-10-100-015 18-10-100-021 18-10-100-025 18-10-100-026 18-10-100-027 18-10-100-028 18-10-100-029 18-10-200-006 18-10-200-007

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
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BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

N

GRAPHIC SCALE FEET
0 30'
SCALE: 1"=30'

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039. HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

REVISION DATE: 11/17/20 REVISION MADE BY: JLS COMBINED PARCELS 5 & 6.
REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

IDOT USE ONLY

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 122+53.69 TO STA. 131+04.83
SCALE: 1" = 30' SHEET 8 OF --- SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-08

PRINTING DATE: JULY 21, 2021 4:5 /Microstation/6497 SHEET 8.dgn
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS	
	DRAWN - TS	REVISED -			
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -			

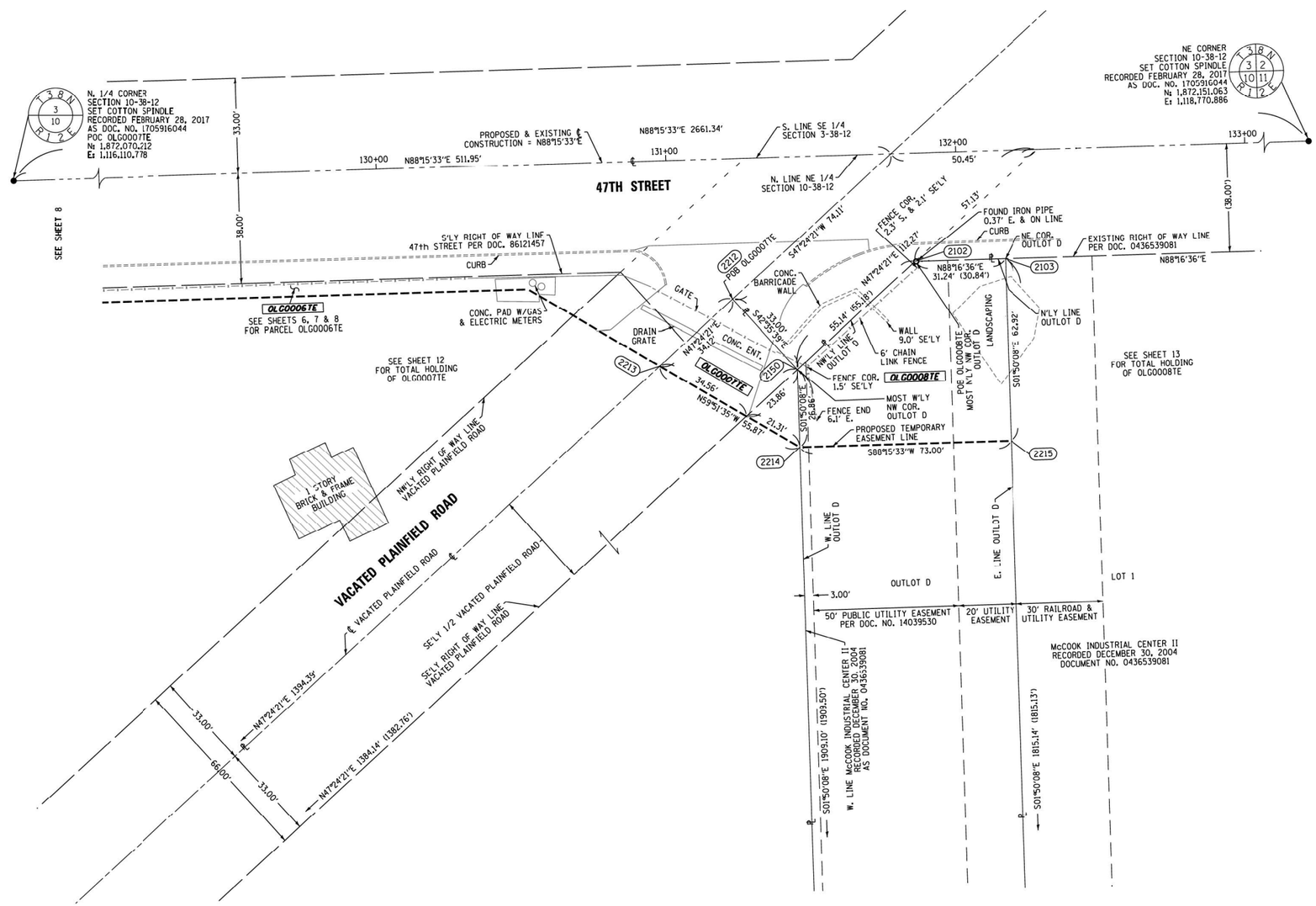
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	182
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PART OF THE NE 1/4 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0LG0007TE	22.832			22.832	0.028		18-10-100-007 18-10-200-004 18 10 201 004
0LG0008TE	34.593			34.593	0.088		18-10-200-017 18-10-200-012 18-10-200-015 18-10-200-016 18-11-300-018 18-11-300-019 18-11-136-003

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

COORDINATE TABLE ~ 47th STREET				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
2213	130+95.78	70.79' RT.	1,872,012.5173	1,116,542.8204
2212	131+21.58	48.47' RT.	1,872,035.6100	1,116,567.9387
2150	131+43.17	73.44' RT.	1,872,011.3165	1,116,590.2731
2214	131+43.21	100.30' RT.	1,871,984.4638	1,116,291.1335
2102	131+84.88	37.37' RT.	1,872,048.6341	1,116,630.8641
2103	132+16.11	37.38' RT.	1,872,049.5734	1,116,662.0846
2215	132+16.21	100.30' RT.	1,871,986.6835	1,116,664.0999



LEGEND

SECTION CORNER
QUARTER SECTION CORNER
GRAPHIC SCALE FEET
SCALE: 1"=20'

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

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
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- ● 5/8" REBAR SET
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- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

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CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

REVISION DATE: 04/10/17 REVISION MADE BY: JLS REMOVED PUBLIC UTILITIES.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 130+95.78 TO STA. 132+16.21
SCALE: 1" = 20' SHEET 9 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-09

PRINTING DATE: JULY 21, 2021 4:5 /Microstation/6497 SHEET 9.dgn
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

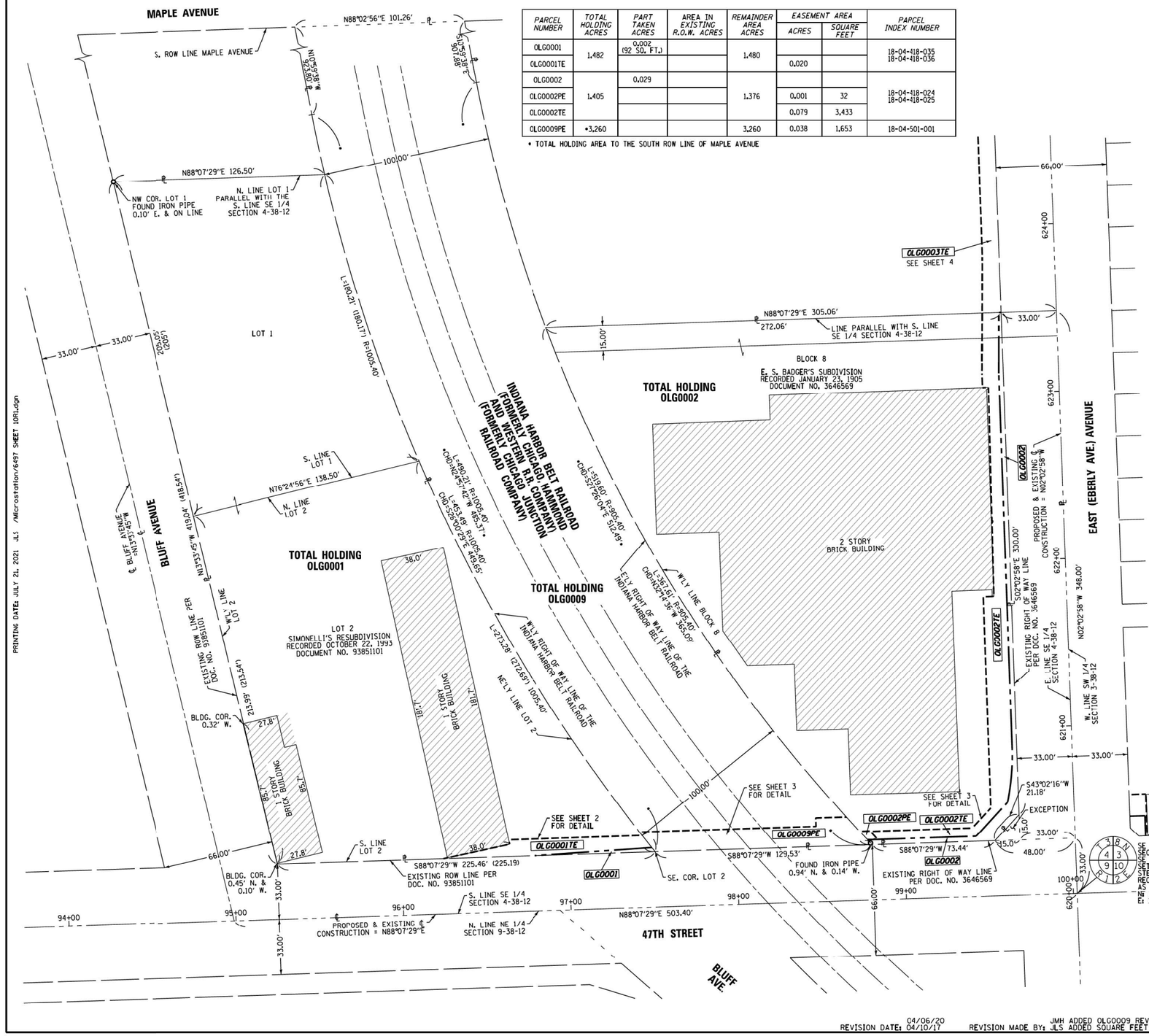
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	183
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PART OF THE SE 1/4 OF SECTION 4 IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0001	1.482	0.002 (92 SQ. FT.)		1.480			18-04-418-035 18-04-418-036
OLG0001TE					0.020		
OLG0002	1.405	0.029		1.376			18-04-418-024 18-04-418-025
OLG0002PE					0.001	32	
OLG0002TE					0.079	3,433	
OLG0009PE	•3,260			3,260	0.038	1,653	18-04-501-001

• TOTAL HOLDING AREA TO THE SOUTH ROW LINE OF MAPLE AVENUE



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

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

GRAPHIC SCALE FEET 0 30' — SCALE: 1"=30'

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 4, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL NO. 2962 — PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE — COUNTY: COOK
SECTION: — JOB NO.: R-90-025-16
STA. 96+24.81 TO STA. 100+00.00
SCALE: 1" = 30' — SHEET 10 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

REVISION DATE: 04/10/17 04/06/20
REVISION MADE BY: JLS ADDED SQUARE FEET TO OLG0001 JMH ADDED OLG0009 REVISED OLG0002

PRINTING DATE: JULY 21, 2021 JLS /Microstation/6497 SHEET 10R1.dgn

MODEL: Default
FILE NAME: \\G01\Projects\176604_CADD\CADD Sheets\D 62F11-ilhi-Pl-010.dgn

PL-10

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

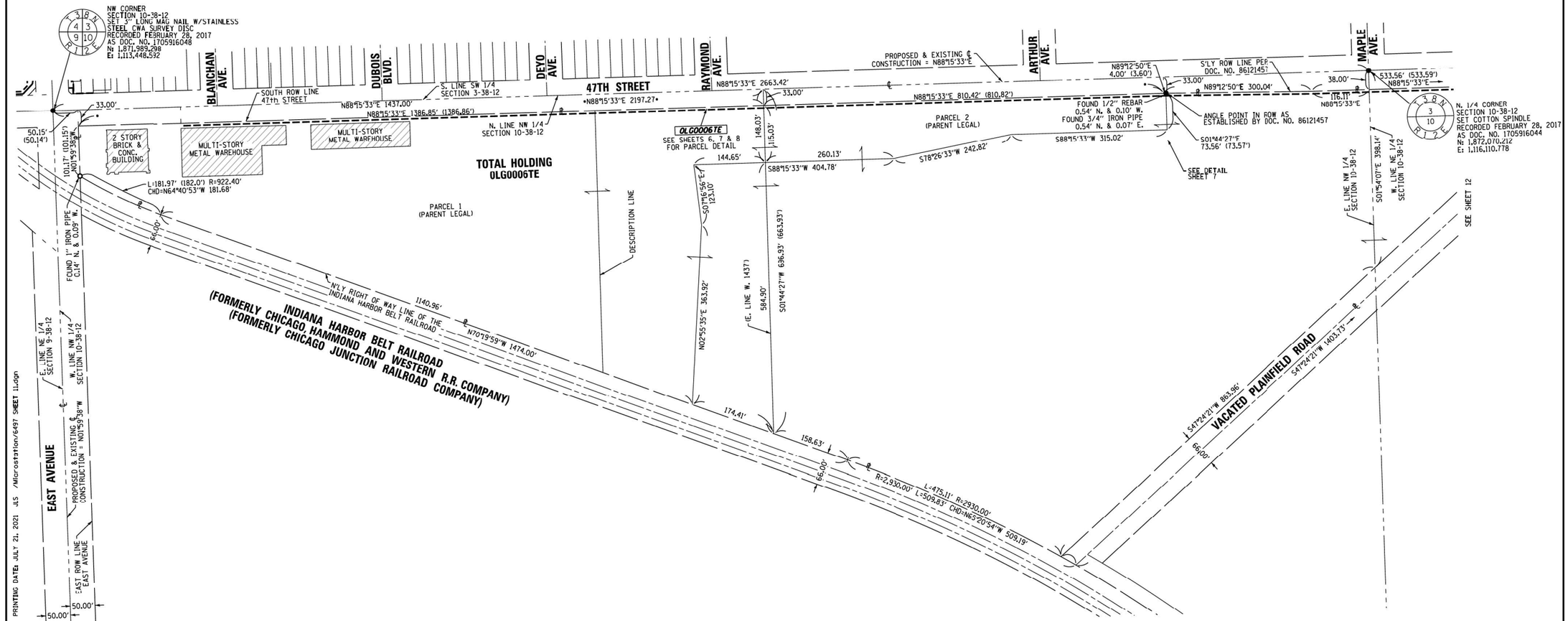
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	184
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

PART OF THE NW 1/4 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0006TE	35.298			35.298	0.339		18-10-100-015 18-10-100-021 18-10-100-025 18-10-100-026 18-10-100-027 18-10-100-028 18-10-100-029 18-10-200-006 18-10-200-007

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5 / 8" REBAR SET
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- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

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BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

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AREAS SHOWN ON THIS PLAT ARE GROUND.

N

GRAPHIC SCALE FEET
0 100'
SCALE: 1"=100'

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
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STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL · NO. 2962 · PROFESSIONAL LAND SURVEYOR

REVISION DATE: 11/17/20 REVISION MADE BY: JLS COMBINED PARCELS

IDOT USE ONLY

CWA SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 100+00.00 TO STA. 122+53.69
SCALE: 1" = 100' SHEET 11 OF 14 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-11

PRINTING DATE: JULY 21, 2021 JAS /Microstation/6497 SHEET 11.dgn
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

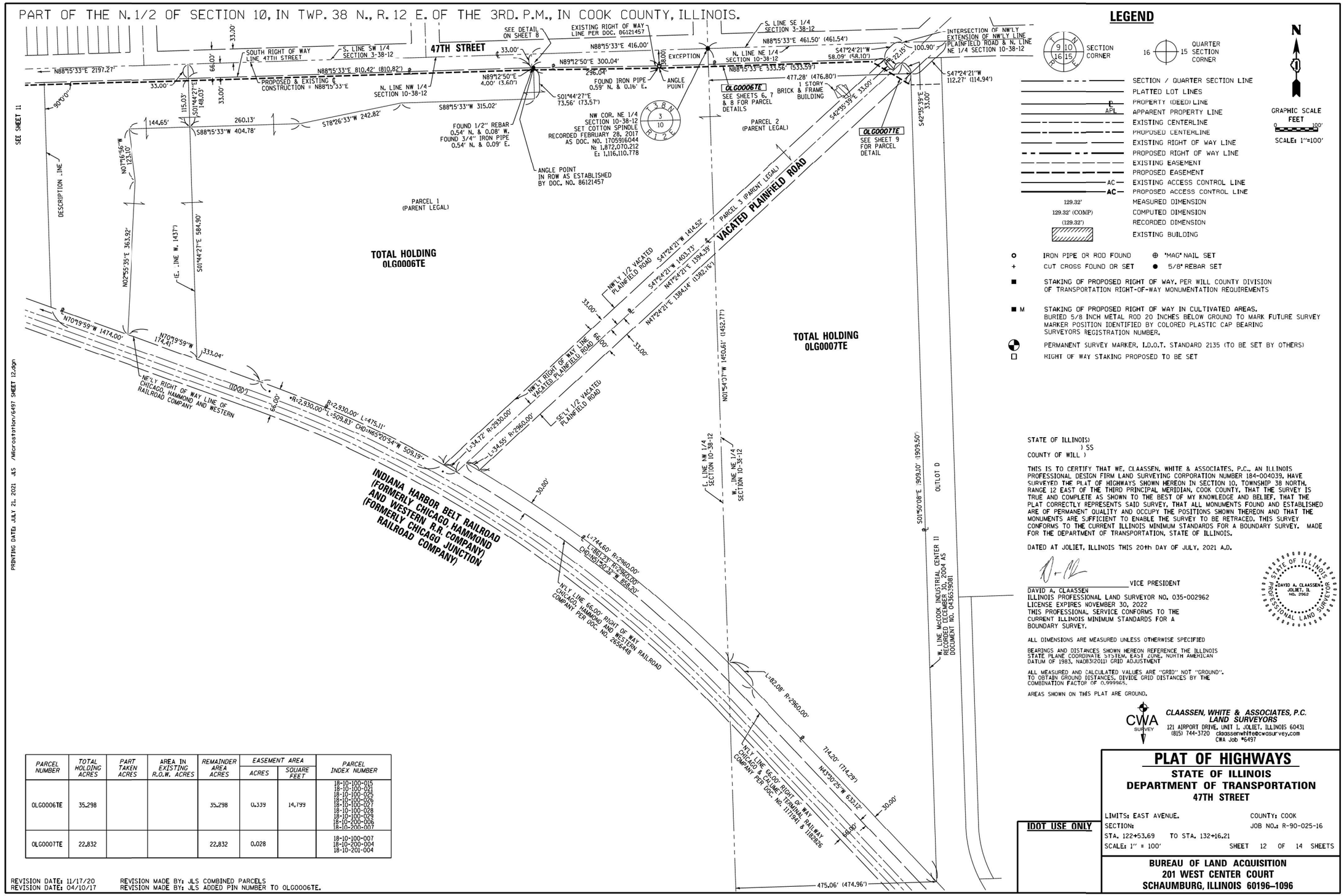
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	185
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PART OF THE N. 1/2 OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
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- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 100'
SCALE: 1"=100'

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0006TE	35.298			35.298	0.339	14,799	18-10-100-015 18-10-100-021 18-10-100-025 18-10-100-026 18-10-100-027 18-10-100-028 18-10-100-029 18-10-200-006 18-10-200-007
OLG0007TE	22.832			22.832	0.028		18-10-100-007 18-10-200-004 18-10-201-004

REVISION DATE: 11/17/20 REVISION MADE BY: JLS COMBINED PARCELS
REVISION DATE: 04/10/17 REVISION MADE BY: JLS ADDED PIN NUMBER TO OLG0006TE.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

_____ VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
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STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

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BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

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CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 122+53.69 TO STA. 132+16.21
SCALE: 1" = 100' SHEET 12 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PL-12

PRINTING DATE: JULY 21, 2021 4S /Microstation/6497 SHEET 12.dgn
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

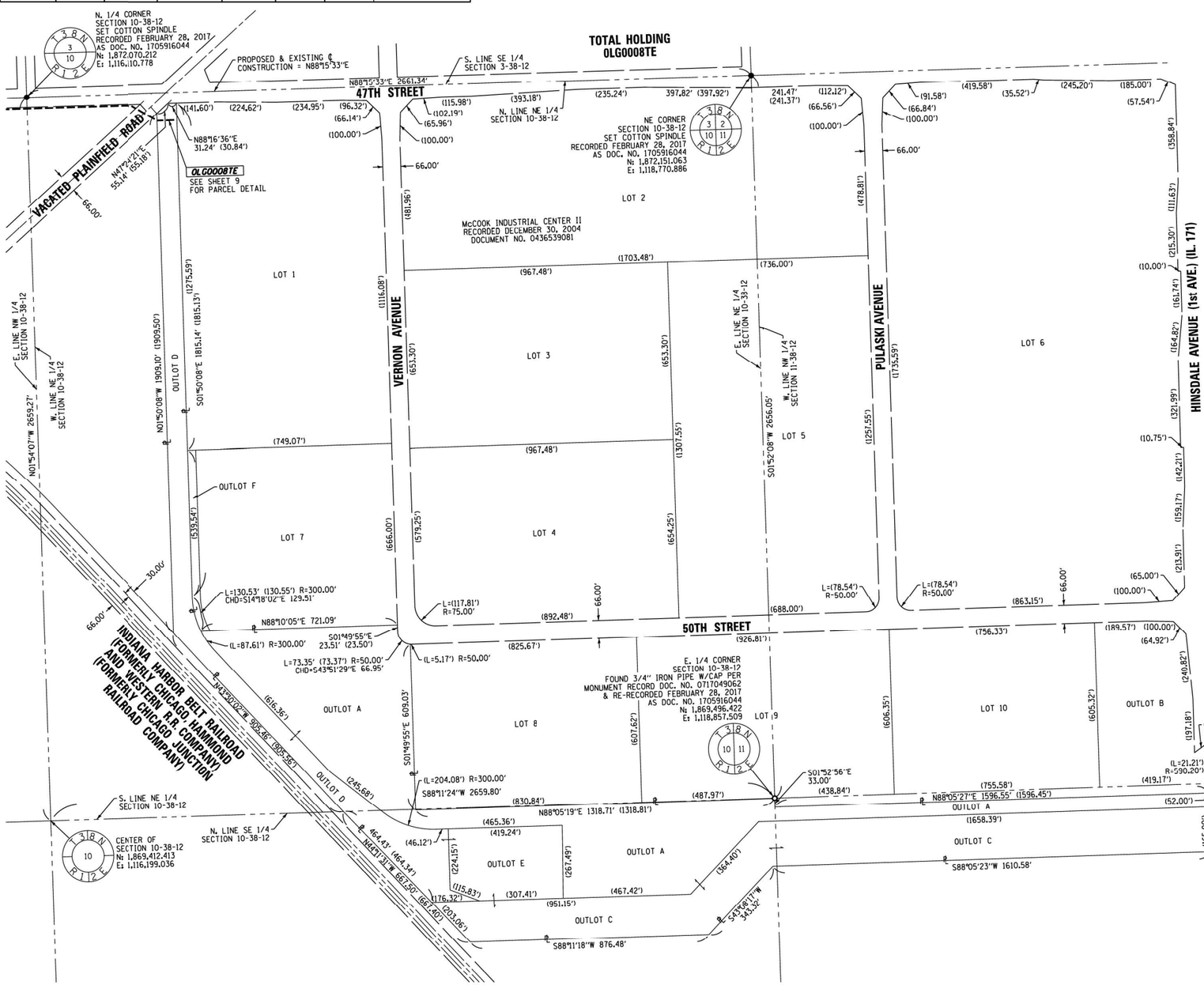
PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	186
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

PART OF SECTION 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OLG0008TE	34.593			34.593	0.088		18-10-200-017 18-10-200-012 18-10-200-015 18-10-200-016 18-11-300-018 18-11-300-019 18-11-136-003



LEGEND

- SECTION CORNER
- 16 / 15 QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 200'
SCALE: 1"=200'

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2021 A.D.

VICE PRESIDENT

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STATE OF ILLINOIS — DAVID A. CLAASSEN — JOLIET, IL — NO. 2962 — PROFESSIONAL LAND SURVEYOR

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LAND SURVEYORS
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(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. 130+95.78 TO STA. 132+16.21
SCALE: 1" = 200' SHEET 13 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

REVISION DATE: 04/10/17 REVISION MADE BY: JLS ADDED SAME OWNERSHIP SYMBOLS.

PL-13

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS
		DRAWN - TS	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -		
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	187
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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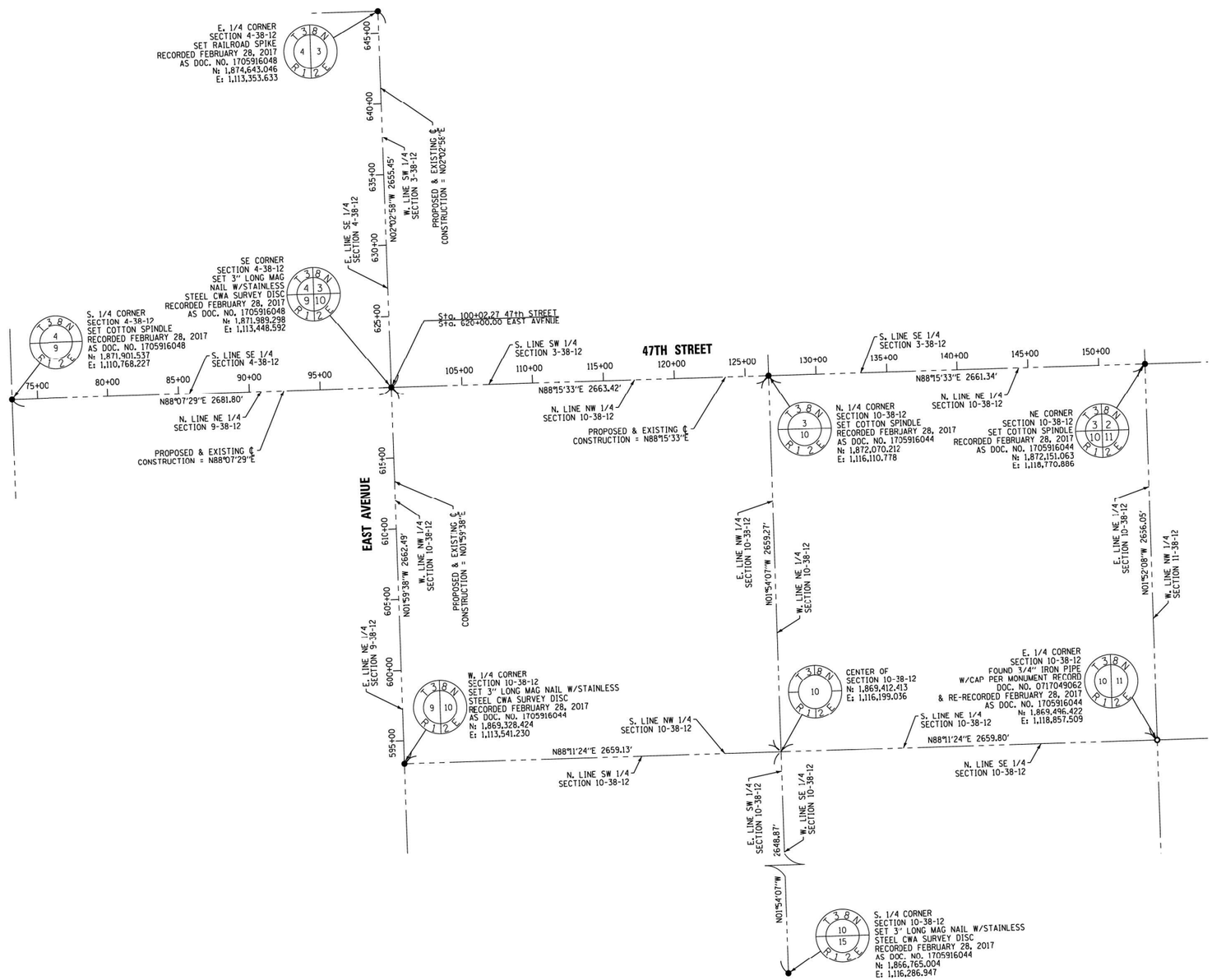
PRINTING DATE: JULY 21, 2021 8:45 AM /Microstation/6497 SHEET 13.dgn

PART OF SECTIONS 3, 4, 9 & 10, IN TWP. 38 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
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- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE
FEET
0 400'
SCALE: 1"=400'

- o IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
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- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, 9 AND 10, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 20th DAY OF JULY, 2020 A.D.

_____ VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2022
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS · DAVID A. CLAASSEN · JOLIET, IL NO. 2962 · PROFESSIONAL LAND SURVEYOR

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, NAD83(2011) GRID ADJUSTMENT

ALL MEASURED AND CALCULATED VALUES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999965.

AREAS SHOWN ON THIS PLAT ARE GROUND.

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #6497

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
47TH STREET

LIMITS: EAST AVENUE. COUNTY: COOK
SECTION: JOB NO.: R-90-025-16
STA. TO STA.
SCALE: 1" = 400' SHEET 14 OF 14 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

REVISION DATE: / / REVISION MADE BY:

PL-14

PRINTING DATE JULY 21, 2021 45 /Microstation/6497 SHEET 14.dgn

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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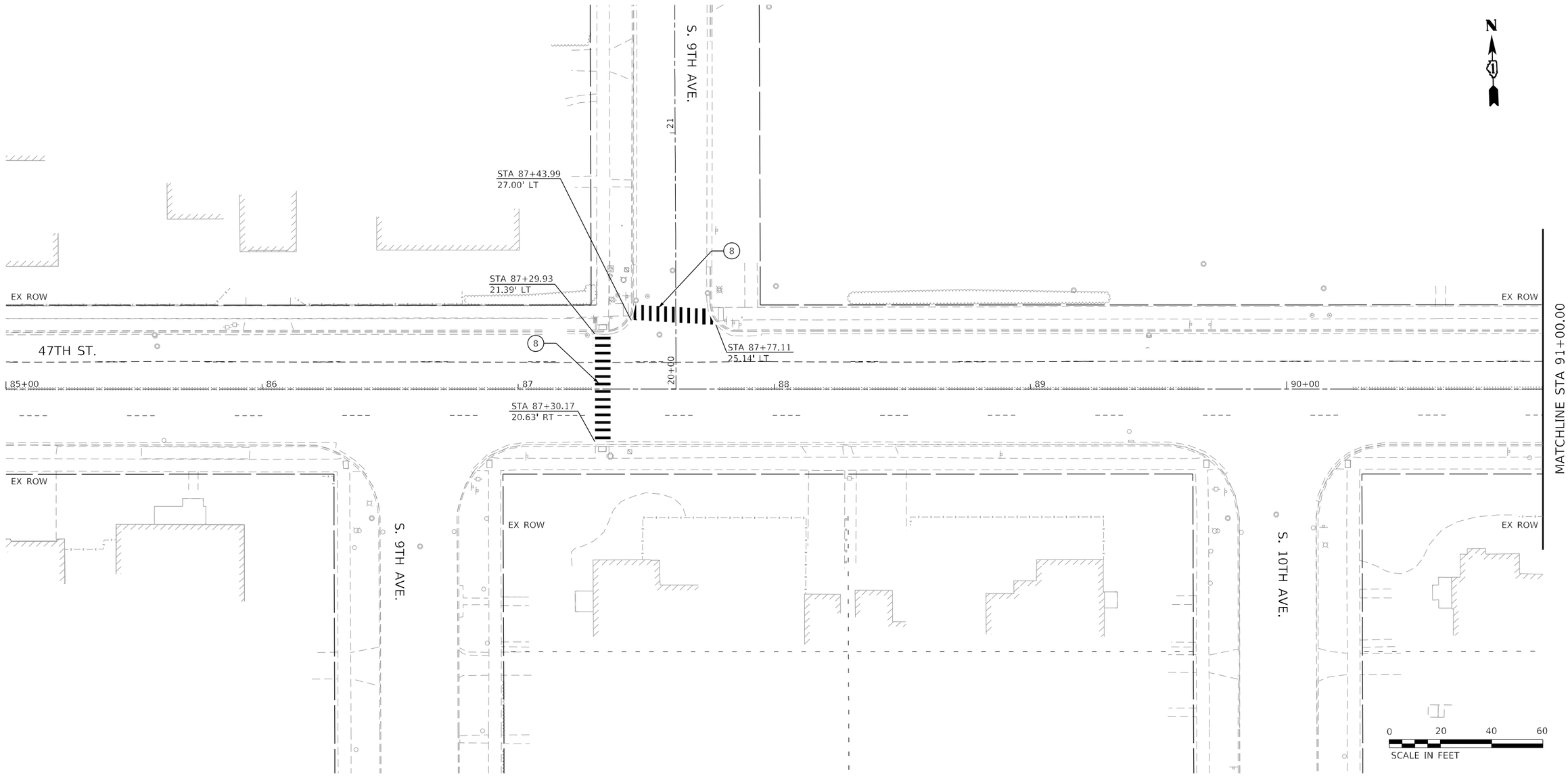
	DRAWN - TS	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	188
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-01

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 1 OF 13 SHEETS | STA. 85+00.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	189
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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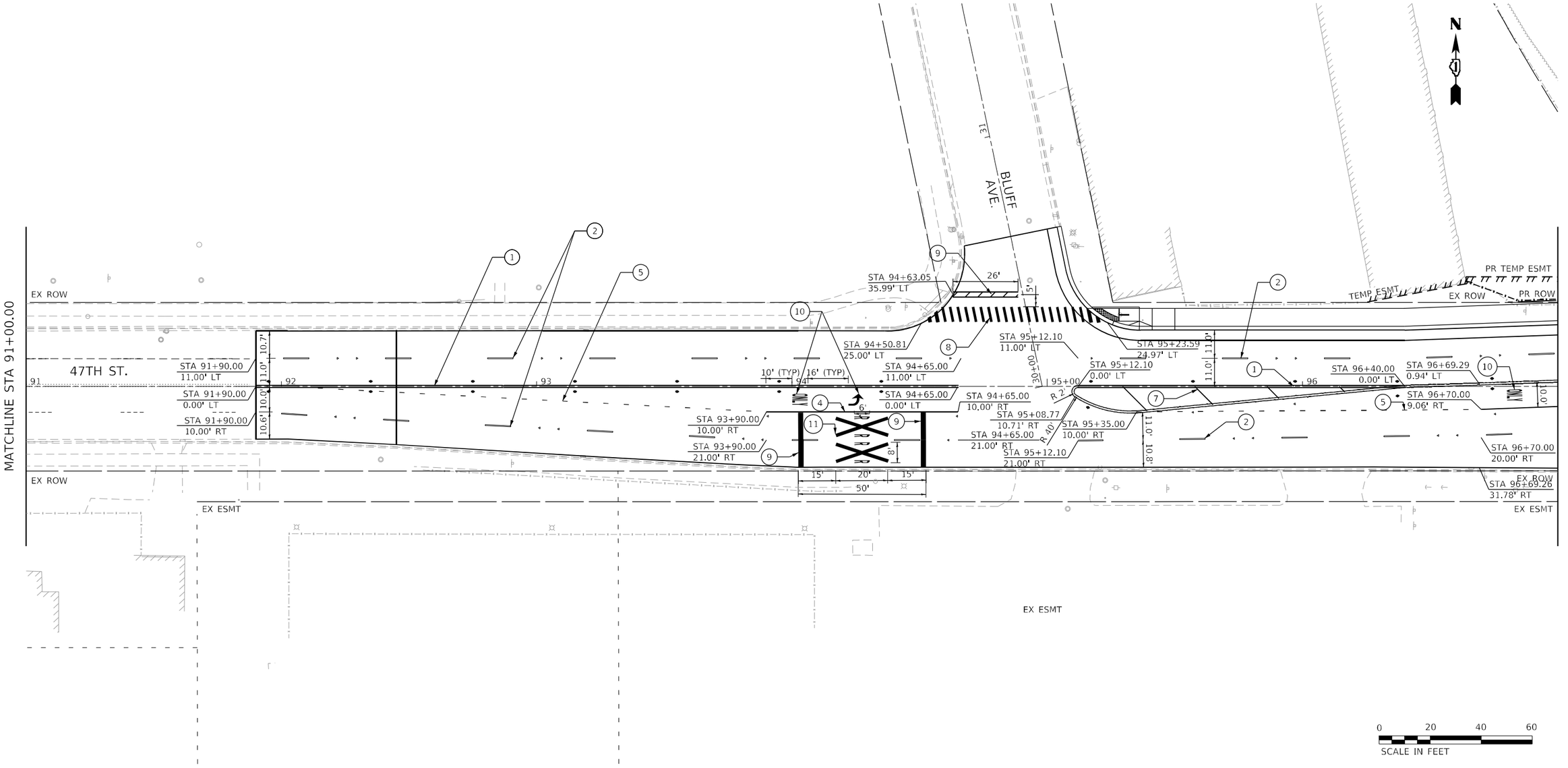

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

• TWO-WAY AMBER MARKER

‣ ONE-WAY CRYSTAL MARKER (W/0)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-02

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 2 OF 13 SHEETS | STA. 91+00.00 TO STA. 97+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	190
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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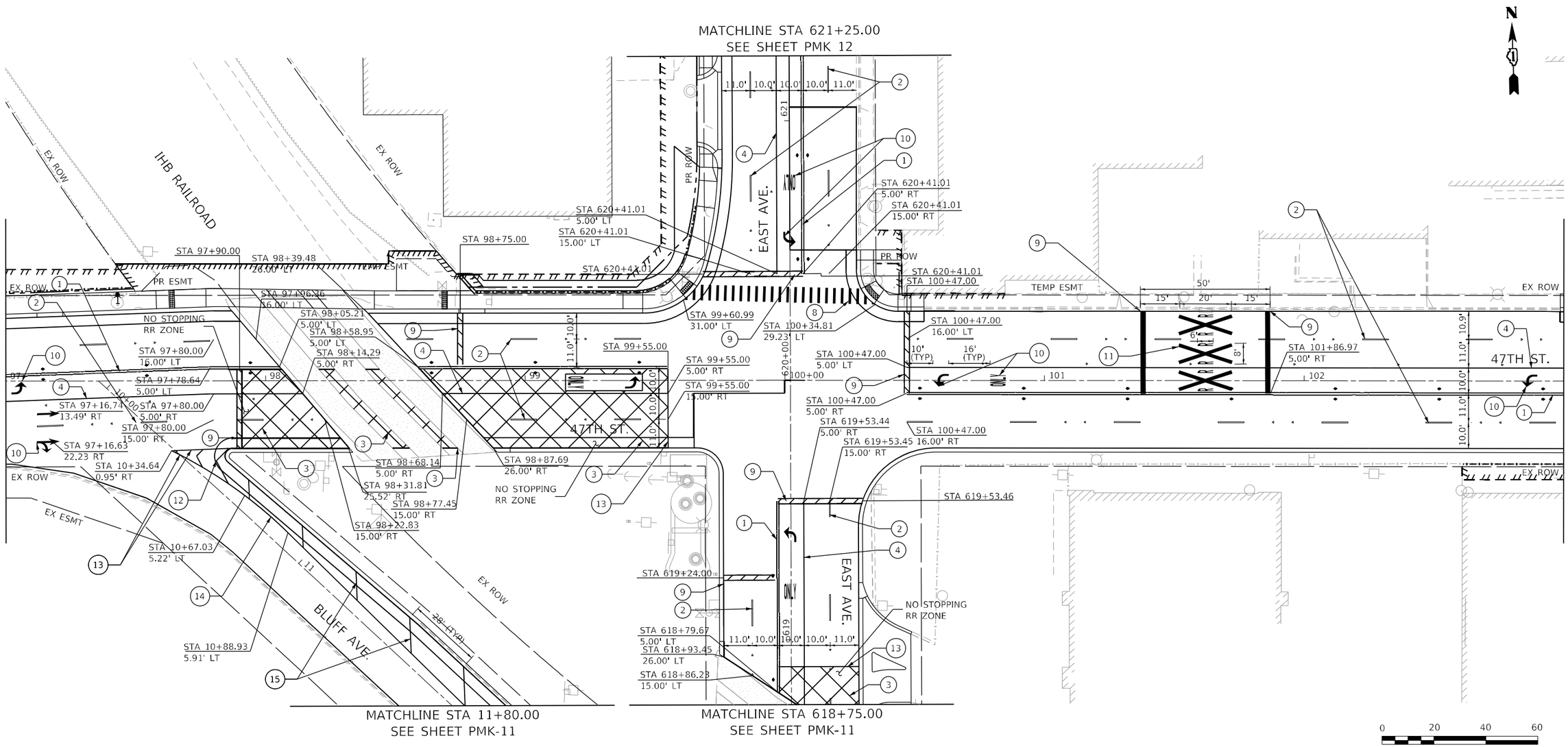

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- • TWO-WAY AMBER MARKER
- ‣ ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

MODEL: D162F11-sht-shpf-004
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RS&H

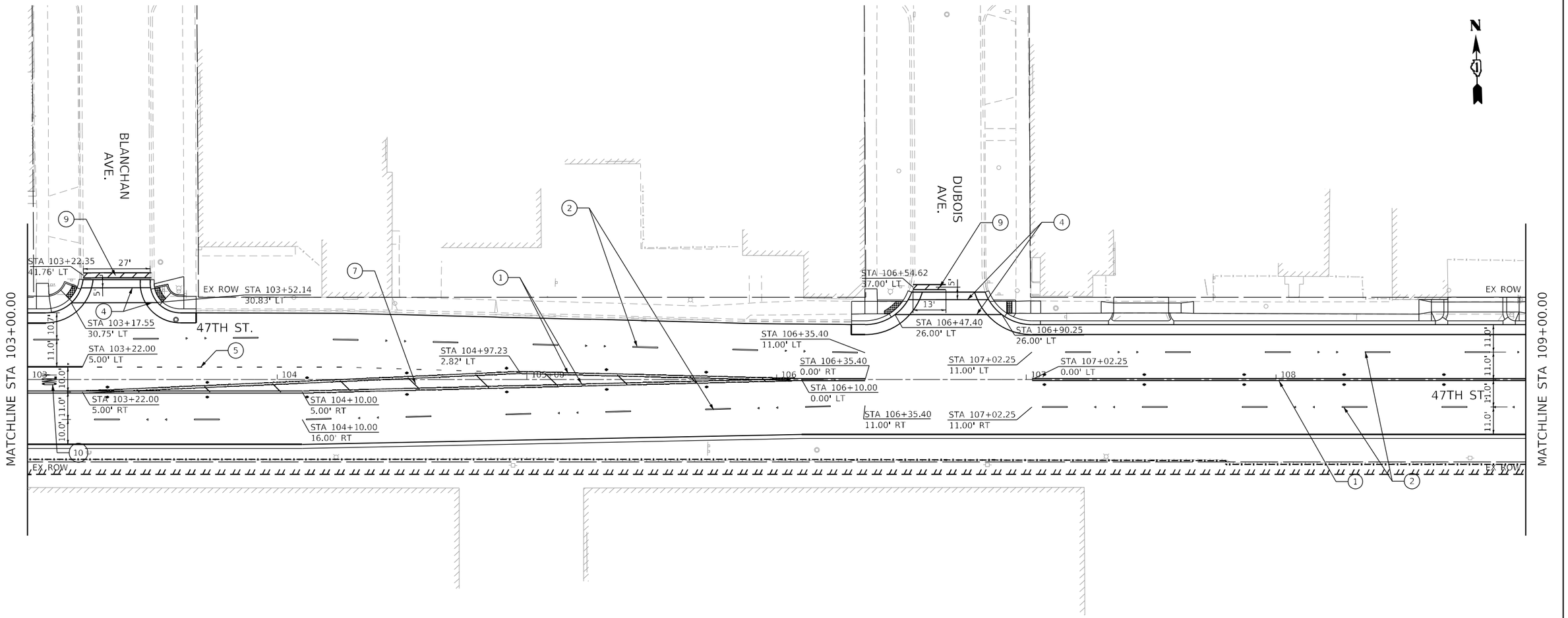
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 3 OF 13 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	191
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
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15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

TWO-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/0)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-04

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 4 OF 13 SHEETS | STA. 103+00.00 TO STA. 109+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	192
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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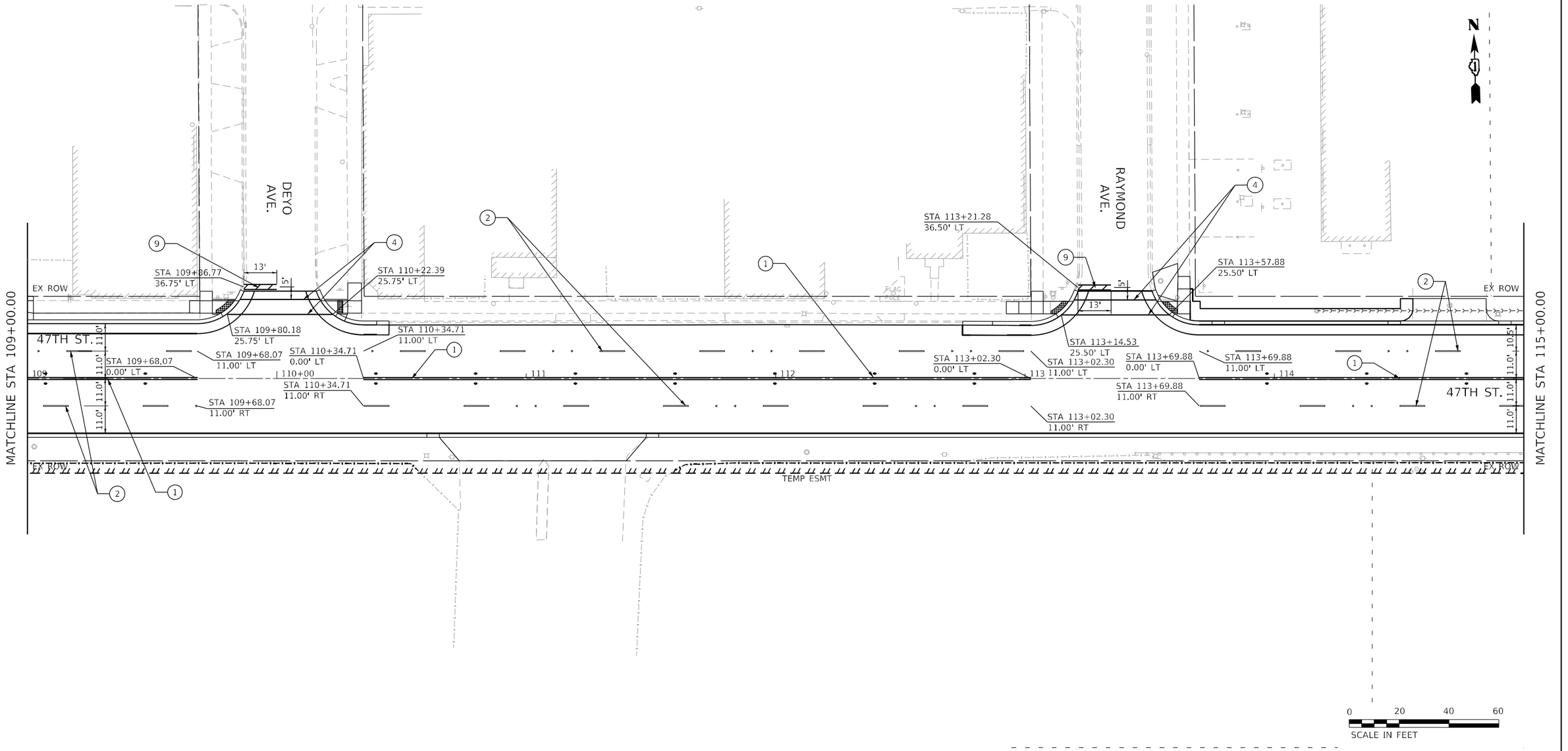

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

TWO-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-05

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
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PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 5 OF 13 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	193
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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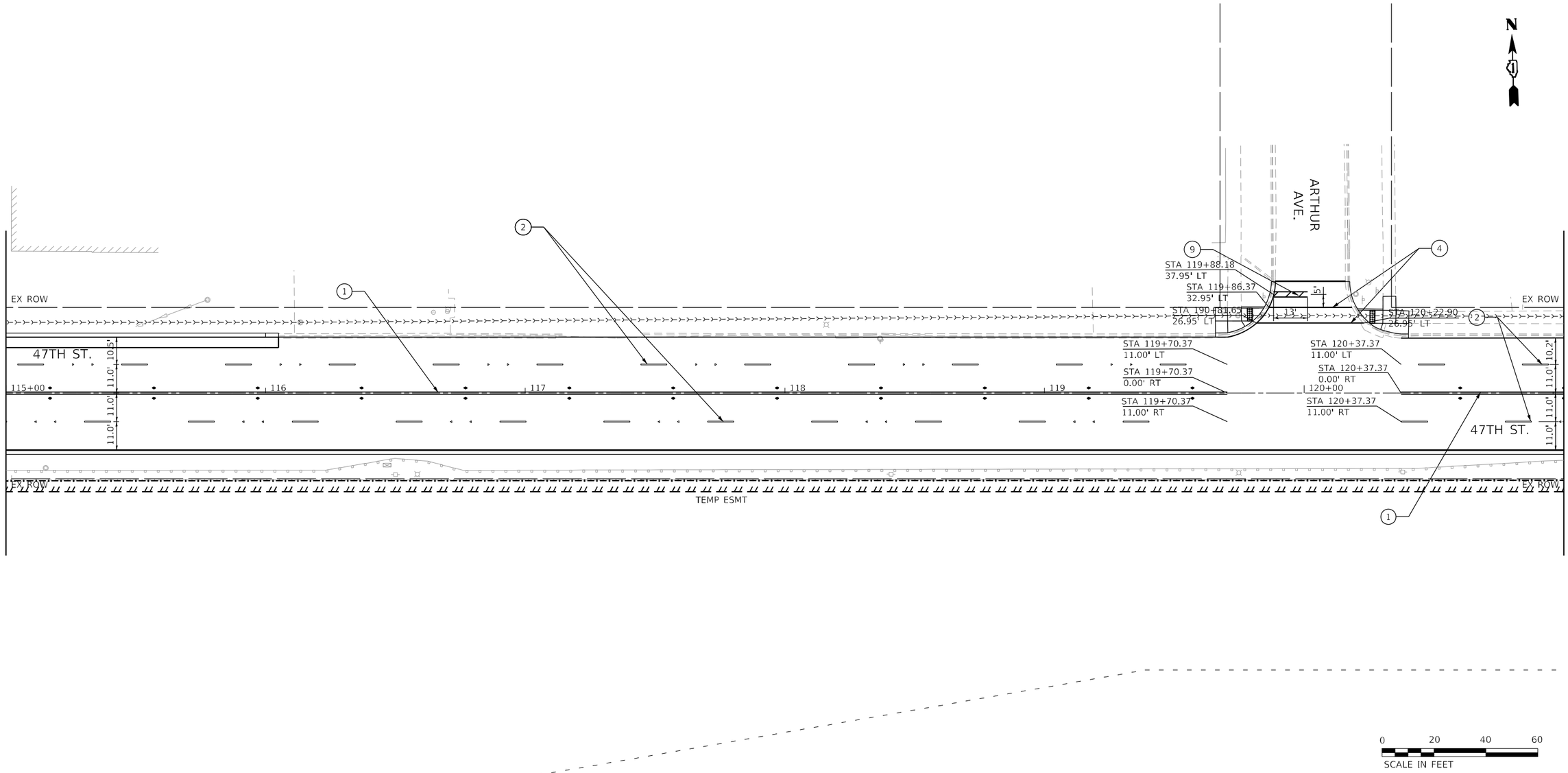

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
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10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

• TWO-WAY AMBER MARKER

‣ ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-06

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 6 OF 13 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	194
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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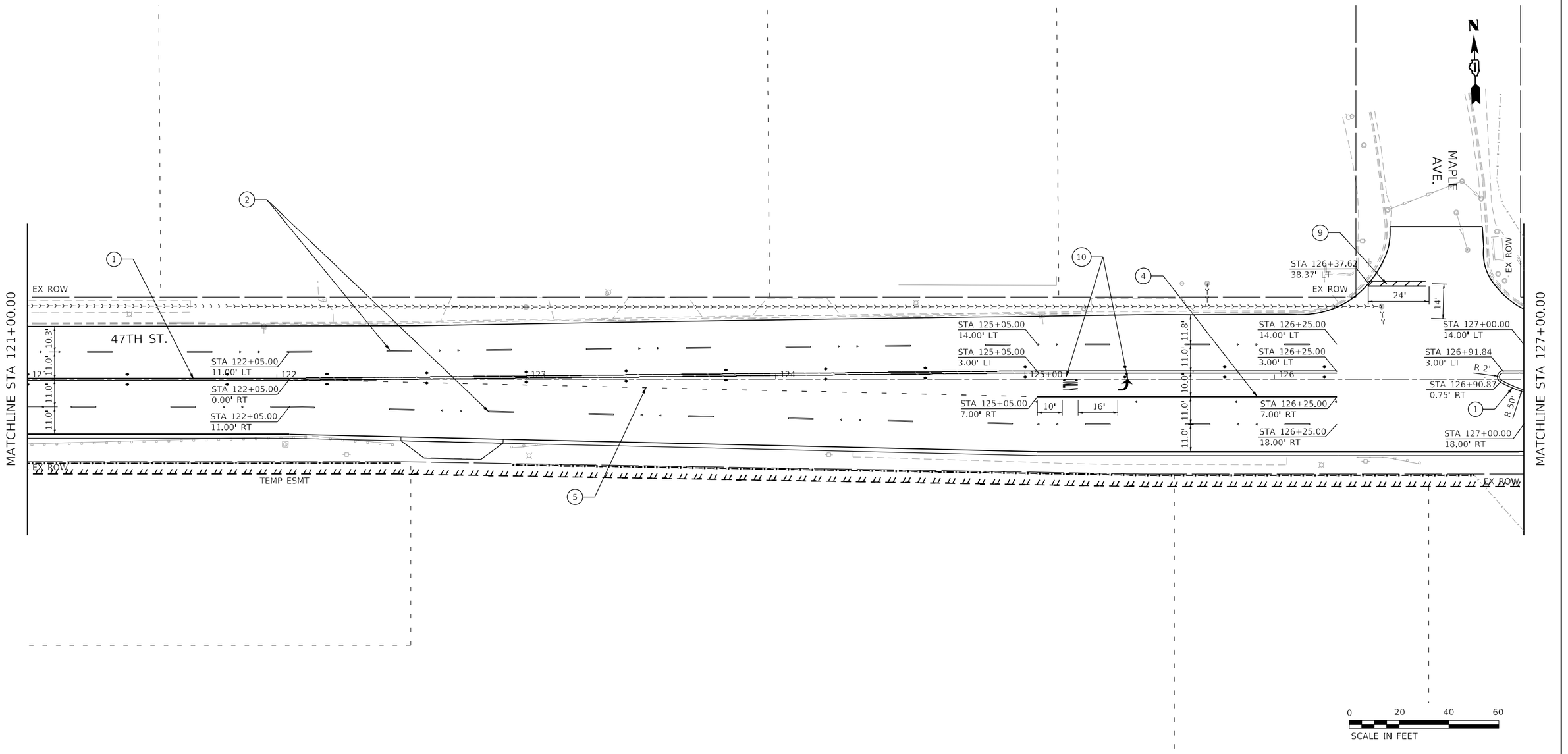

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
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4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
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16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

• TWO-WAY AMBER MARKER

▸ ONE-WAY CRYSTAL MARKER (W/0)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-07

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 7 OF 13 SHEETS | STA. 121+00.00 TO STA. 127+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	195
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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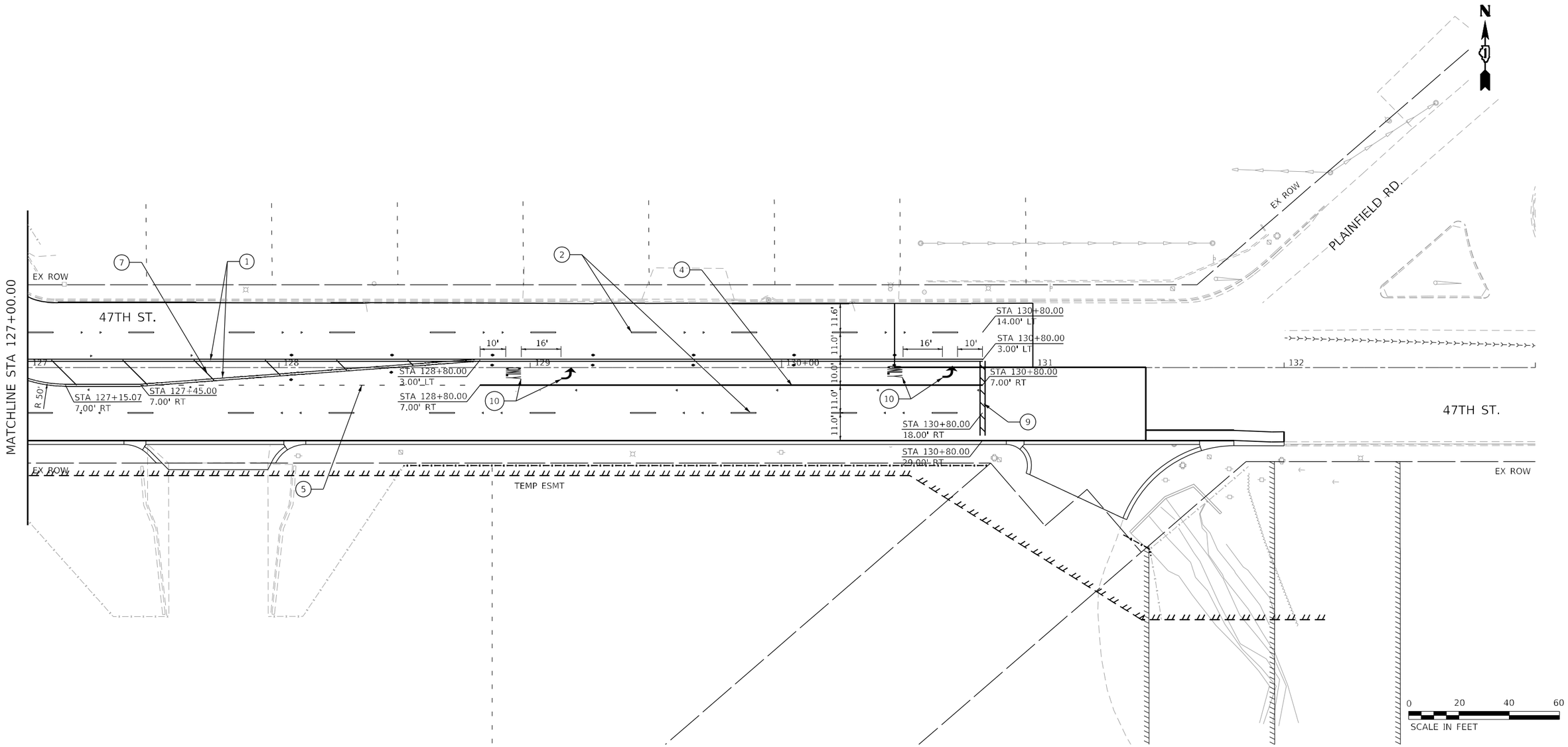


LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-08

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

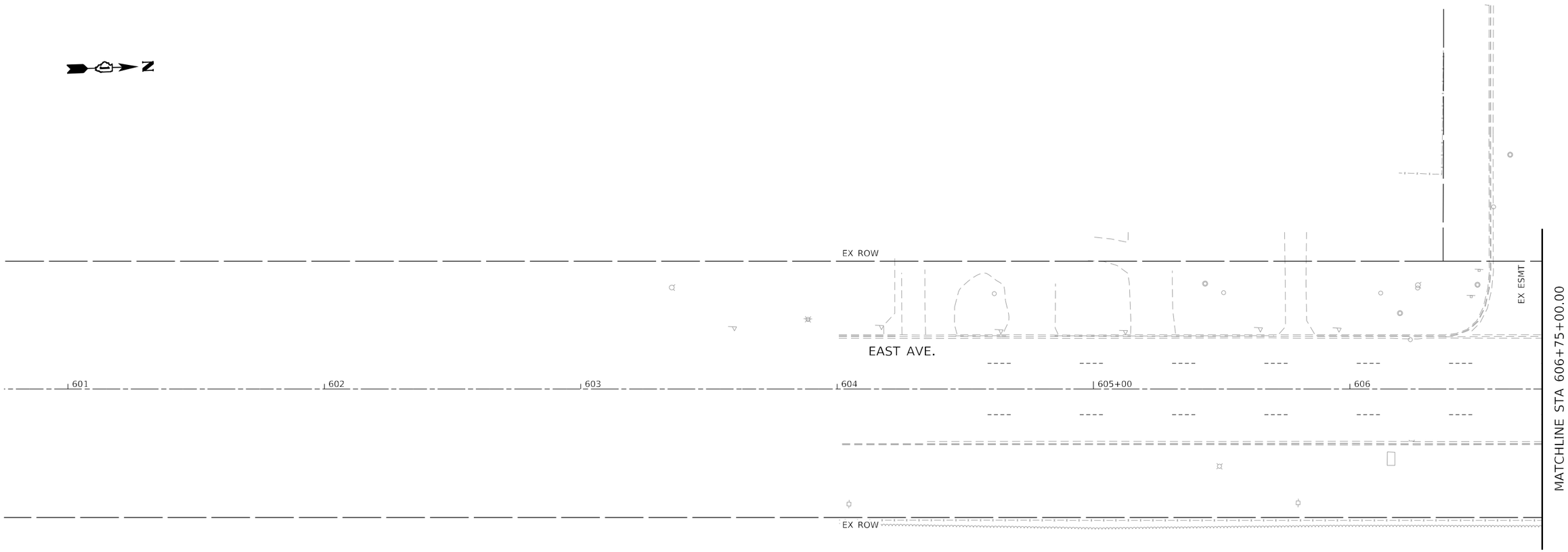
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 8 OF 13 SHEETS | STA. 127+00.00 TO STA. 132+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	196
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-plnpf-009
FILE NAME: X:\PLI\13-0024-000 47th Street at East Avenue\CADD\CAD_Sheets\D162F11-sht-pmk-009.dgn



0 20 40 60

SCALE IN FEET

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

• TWO-WAY AMBER MARKER

‣ ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-09

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 9 OF 13 SHEETS | STA. 601+00.00 TO STA. 606+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	197
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shsrf-5026
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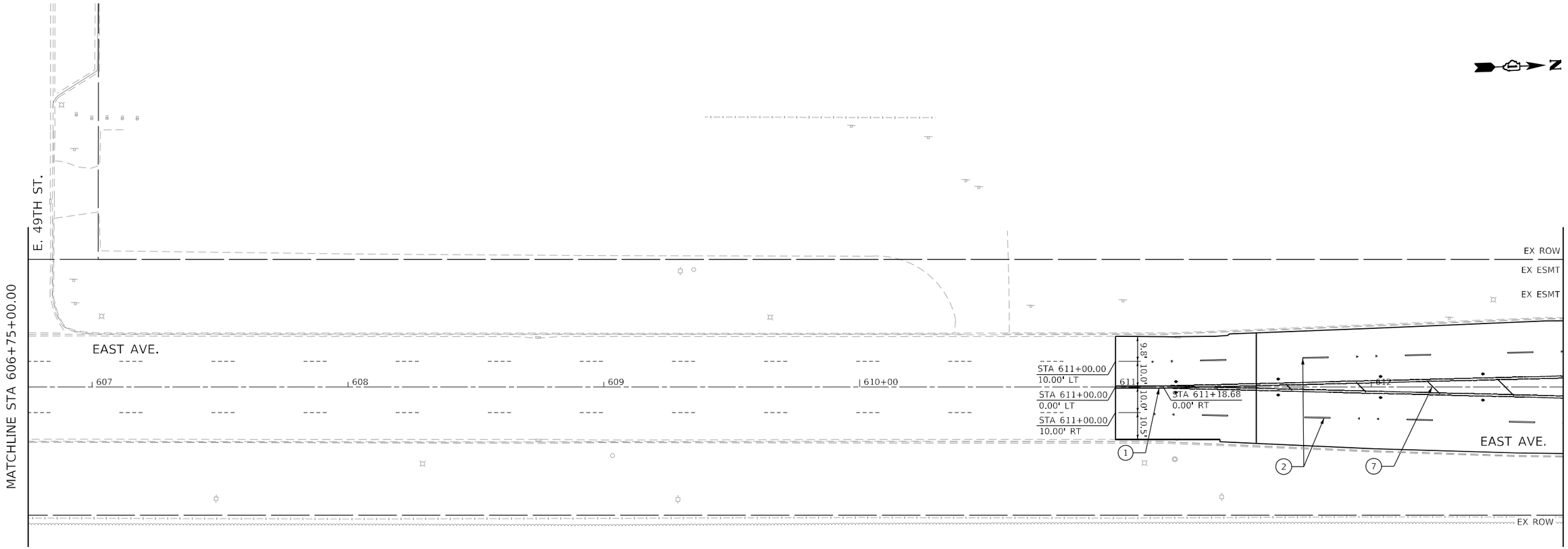

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-10

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 10 OF 13 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	198
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dnpf-0026
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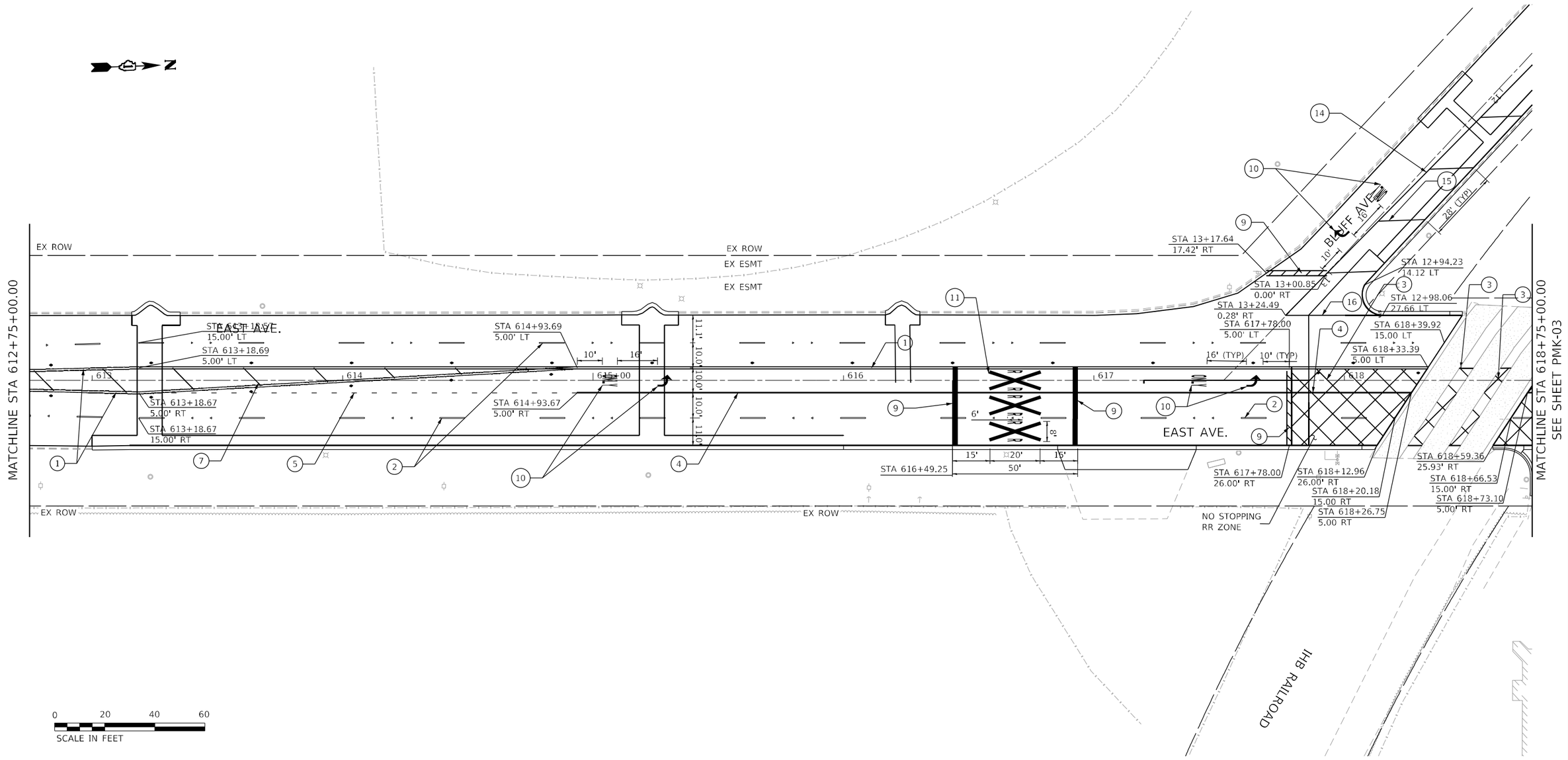

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE RR CROSSING AREA @ 45° AND 8' C-C
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSSWALK LINE
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- • TWO-WAY AMBER MARKER
- ‣ ONE-WAY CRYSTAL MARKER (W/0)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-11

MODEL: D162F11-ilh-ihsrf-0026
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RS&H

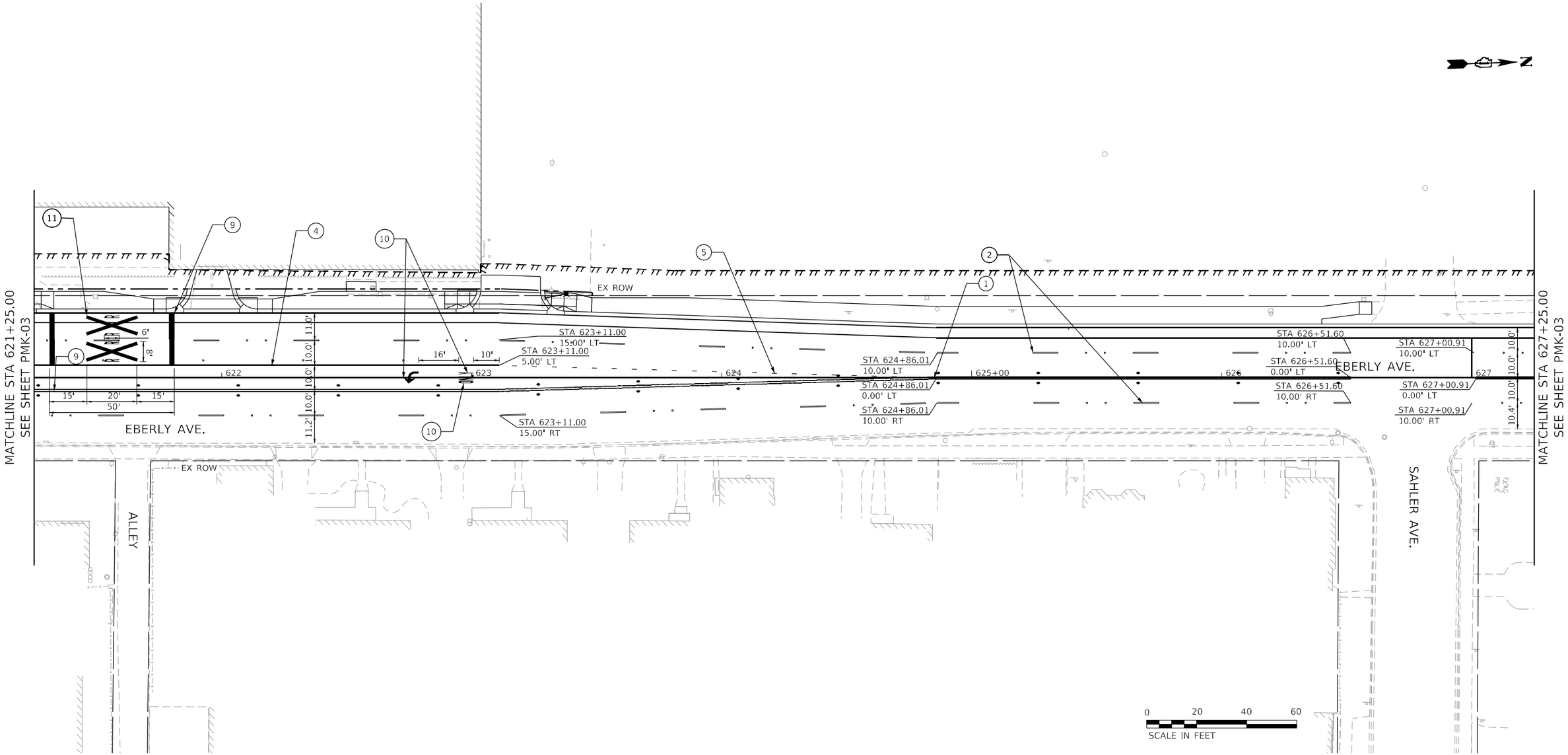
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 11 OF 13 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	199
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
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7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
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10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
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- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-12

MODEL: D162F11-sht-dnpf-0027
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-pmk-013.dgn

RS&H

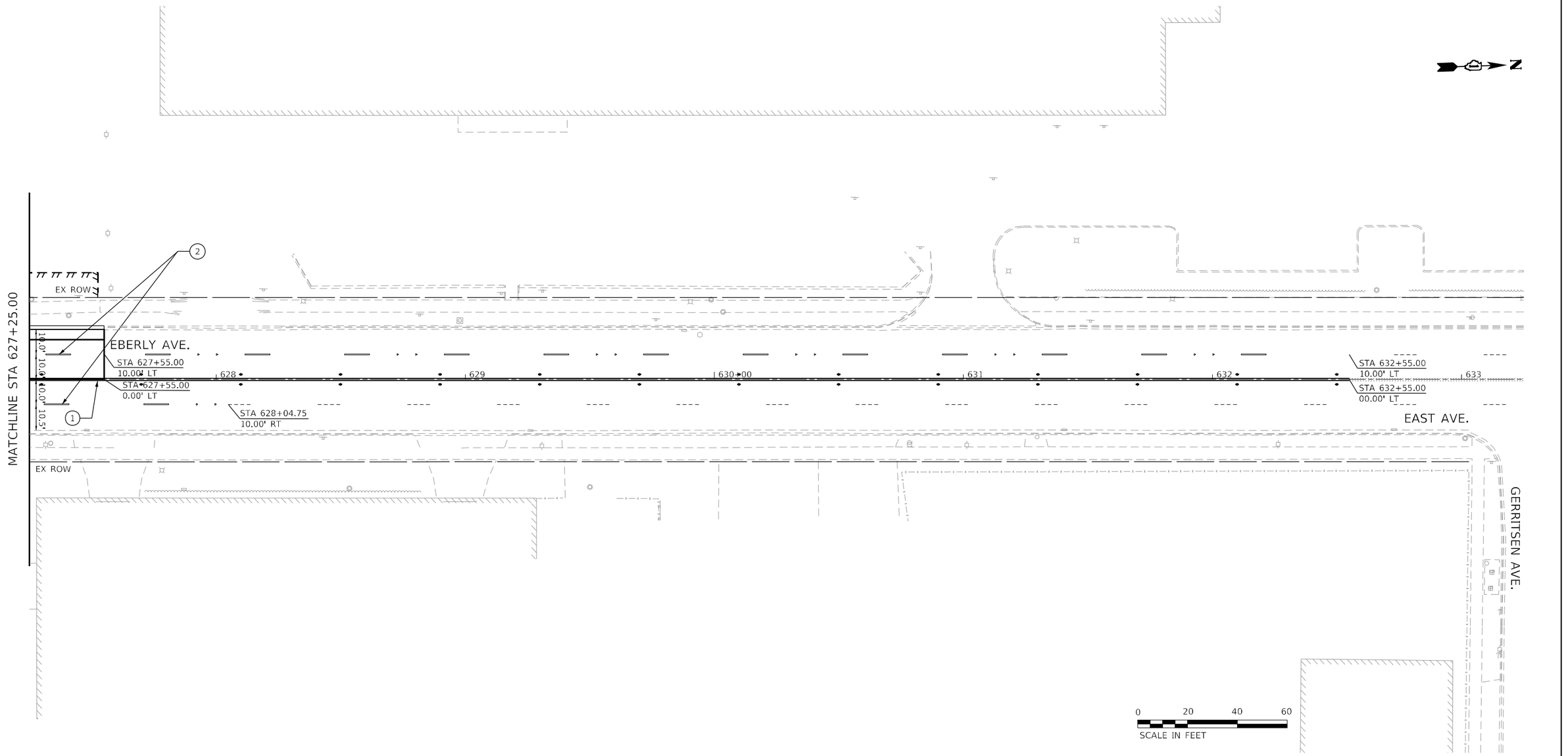
USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 12 OF 13 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	200
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
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4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
6. NOT USED
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C (OR MIN. 5 LINES)
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9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS @ RR CROSSING (WHITE)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CHEVRON
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SOLID LINE
14. THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SOLID LINE
15. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID DIAGONALS
16. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)

NOTE: ALL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAILS TC-13 & TC-23
ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO IDOT DISTRICT 1 DETAIL TC-11

PMK-13

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PAVEMENT MARKING PLANS

SCALE: 1' = 20' | SHEET 13 OF 13 SHEETS | STA. 627+25.00 TO STA. 633+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	201
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shnpf-0027
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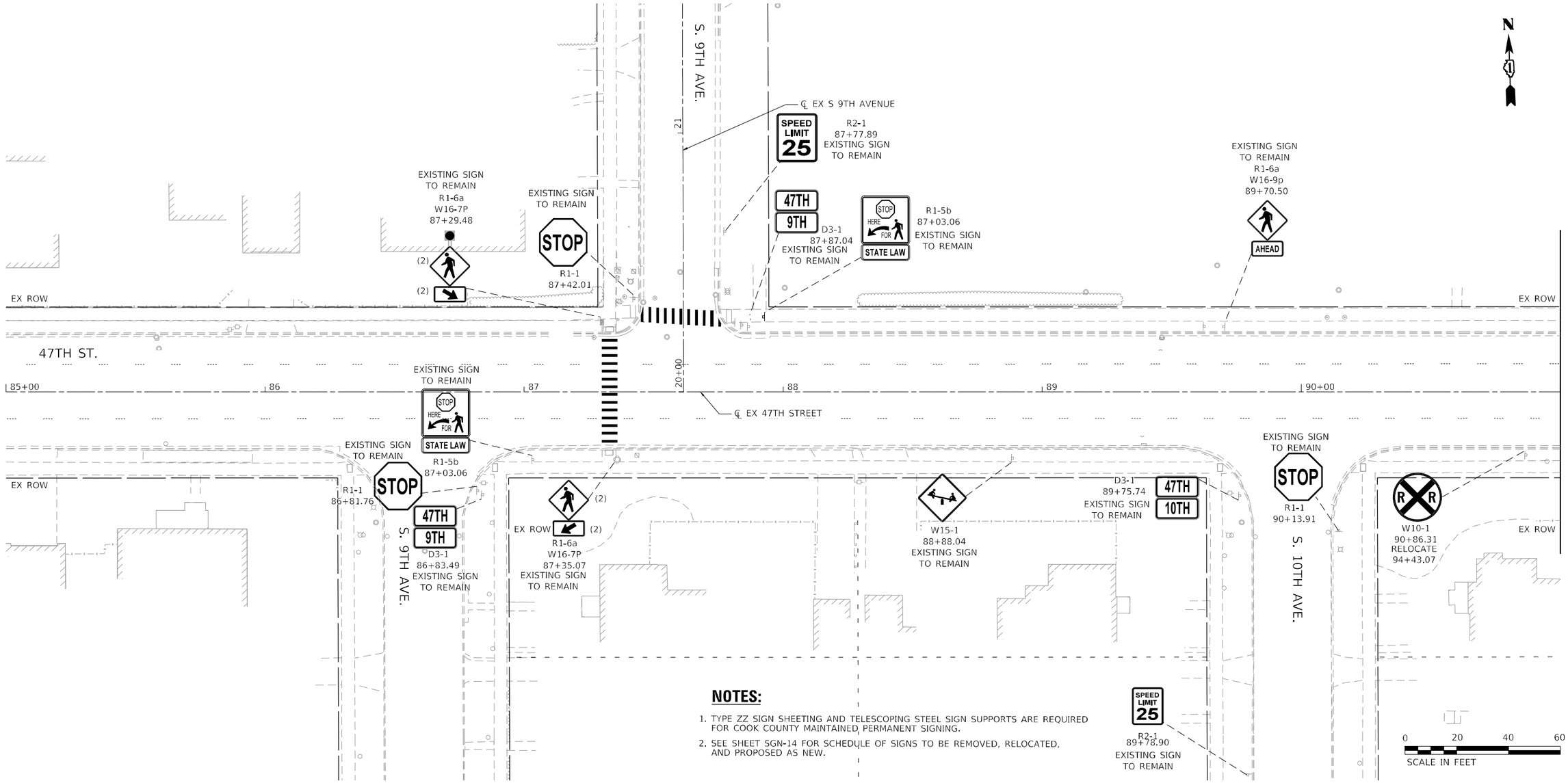

NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

SGN-01

RS&H	USER NAME = SchaefN	DESIGNED - NWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET SIGNING PLANS
		DRAWN - DVP	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -		SCALE: 1" = 20' | SHEET 1 OF 14 SHEETS | STA. 85+00.00 TO STA. 91+00.00
	PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	202
		CONTRACT NO. 62F11		
		ILLINOIS | FED. AID PROJECT		

MODEL: D162F11-sht-sltnpf-002
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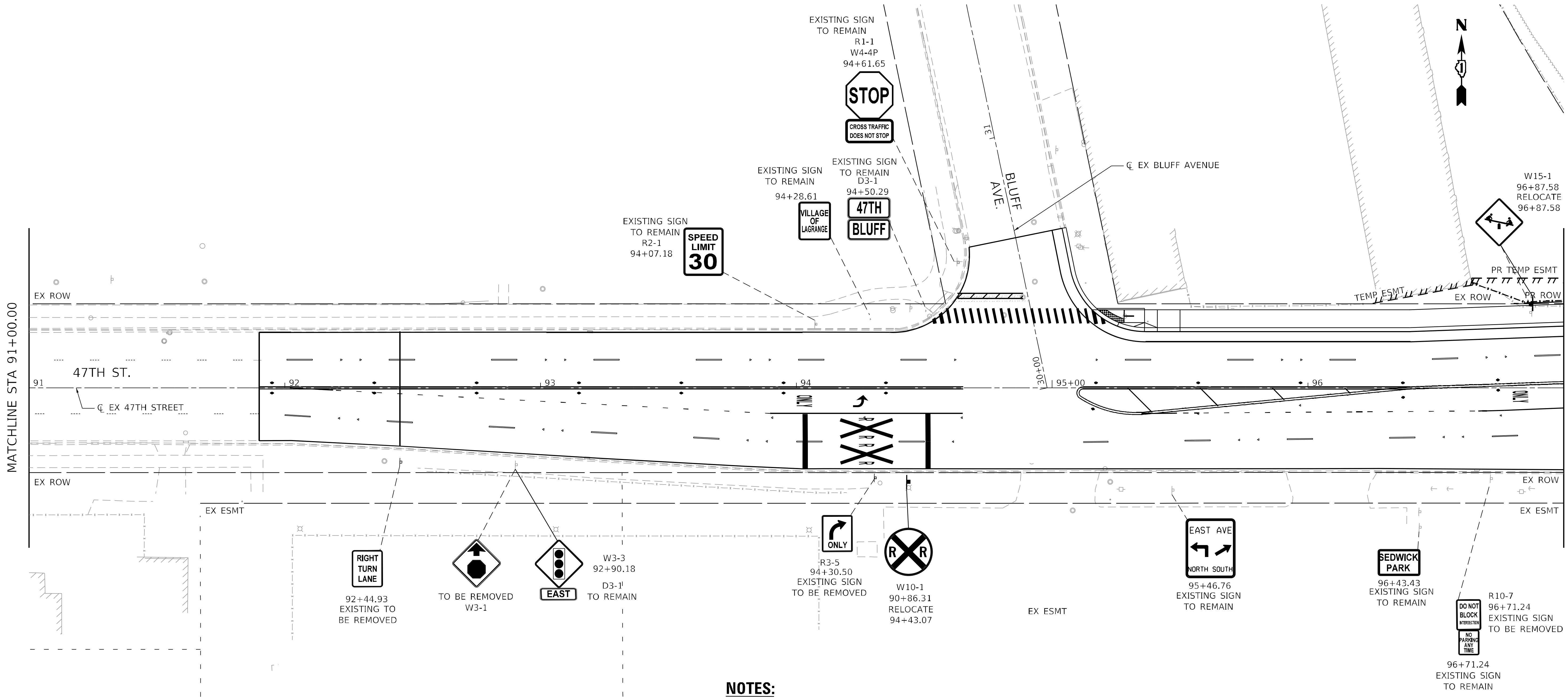


NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

0 20 40 60
SCALE IN FEET

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

MODEL: D162F11-sht-plnprf-003
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-sign-003.dgn

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -	
	DRAWN - DVP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -	
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -	

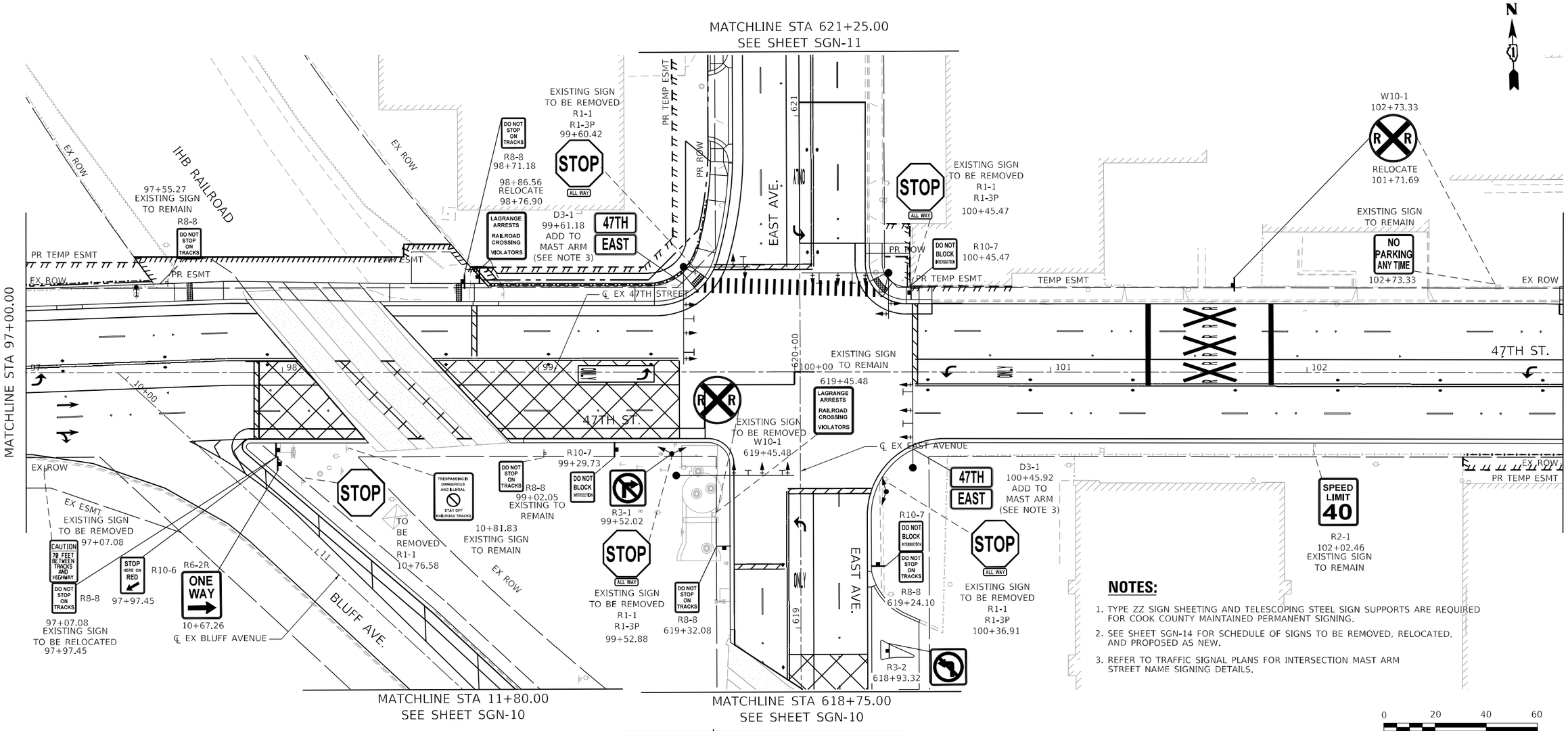
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 2 OF 14 SHEETS | STA. 91+00.00 TO STA. 97+00.00

SGN–02

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	203
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



NOTES:

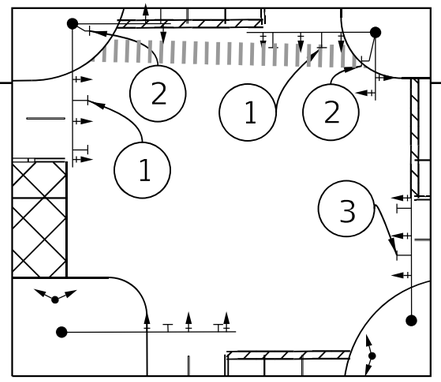
1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.
3. REFER TO TRAFFIC SIGNAL PLANS FOR INTERSECTION MAST ARM STREET NAME SIGNING DETAILS.

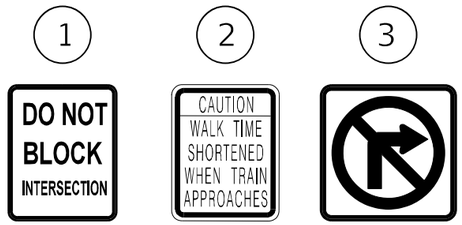
0 20 40 60
SCALE IN FEET

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN





THE PROPOSED SIGNS SHALL NOT OBSTRUCT THE PROPOSED TRAFFIC SIGNAL HEADS AND THE PROPOSED RAILROAD FLASHERS

SGN–03

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 3 OF 14 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	204
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		

MODEL: D162F11-sht-sheet-004
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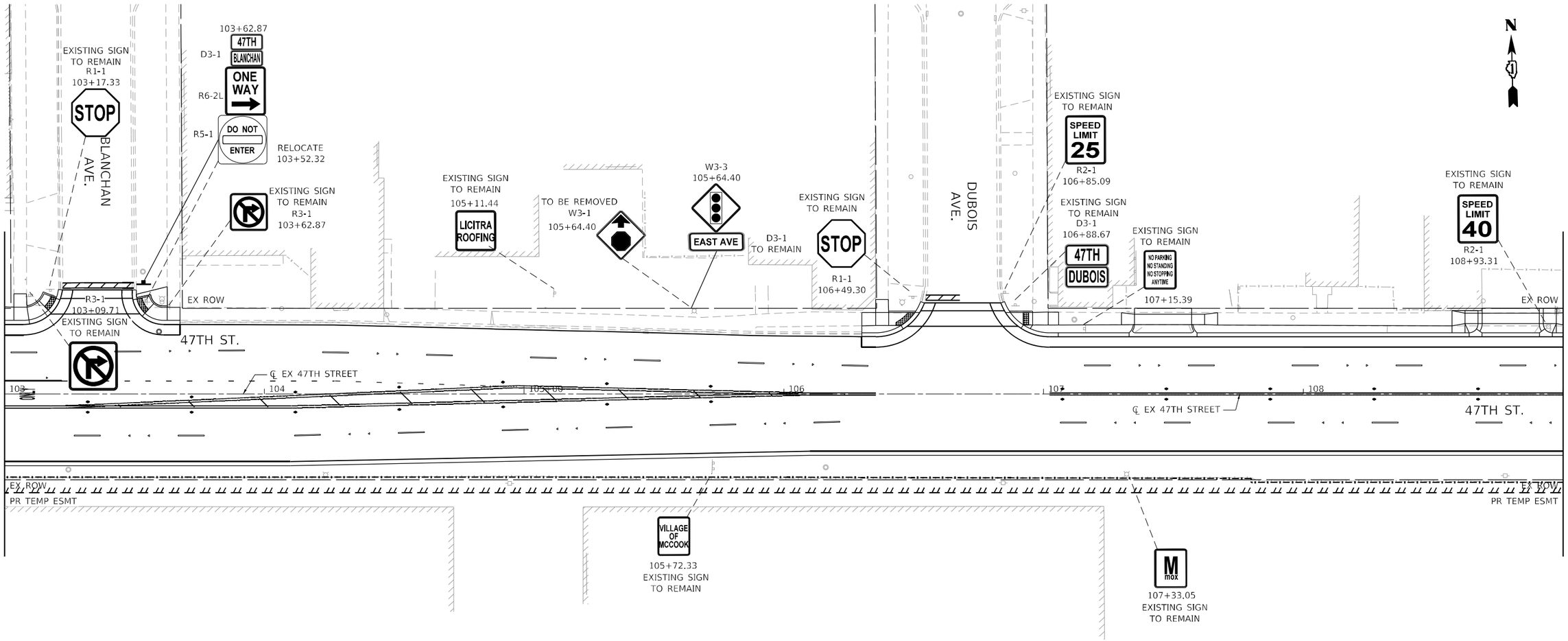

NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

0 20 40 60
SCALE IN FEET

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

MODEL: D162F11-sht-shnpf-005
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RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

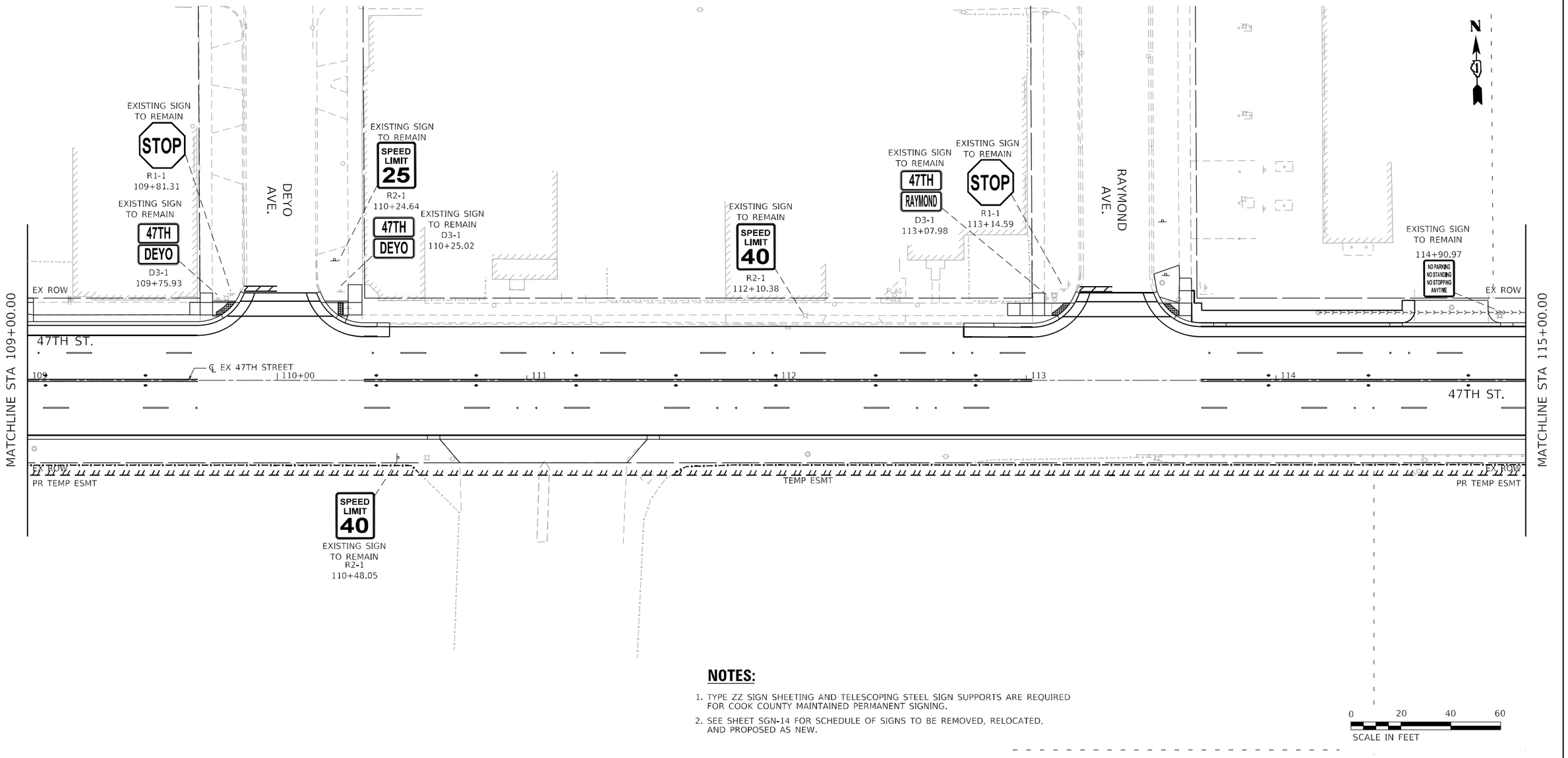
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 4 OF 14 SHEETS | STA. 103+00.00 TO STA. 109+00.00

SGN-04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	205
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

MODEL: D162F11-sht-sheet-006
FILE NAME: X:\Dn113-2024-006 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-sign-006.dgn

SGN-05

RS&H

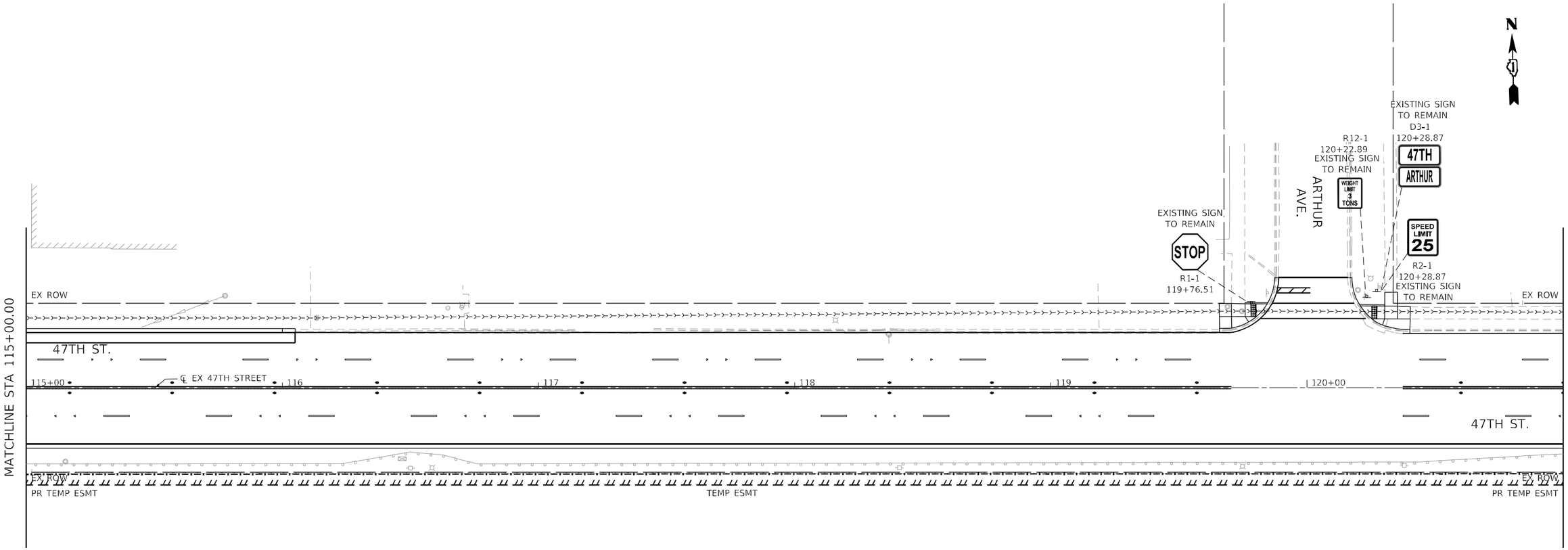
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 5 OF 14 SHEETS | STA. 109+00.00 TO STA. 115+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	206
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

0 20 40 60
SCALE IN FEET

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

SGN-06

RS&H	USER NAME = SchaefN	DESIGNED - NWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET SIGNING PLANS
		DRAWN - DVP	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -		
	PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -		SCALE: 1" = 20' | SHEET 6 OF 14 SHEETS | STA. 115+00.00 TO STA. 121+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	207
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dnpf-007
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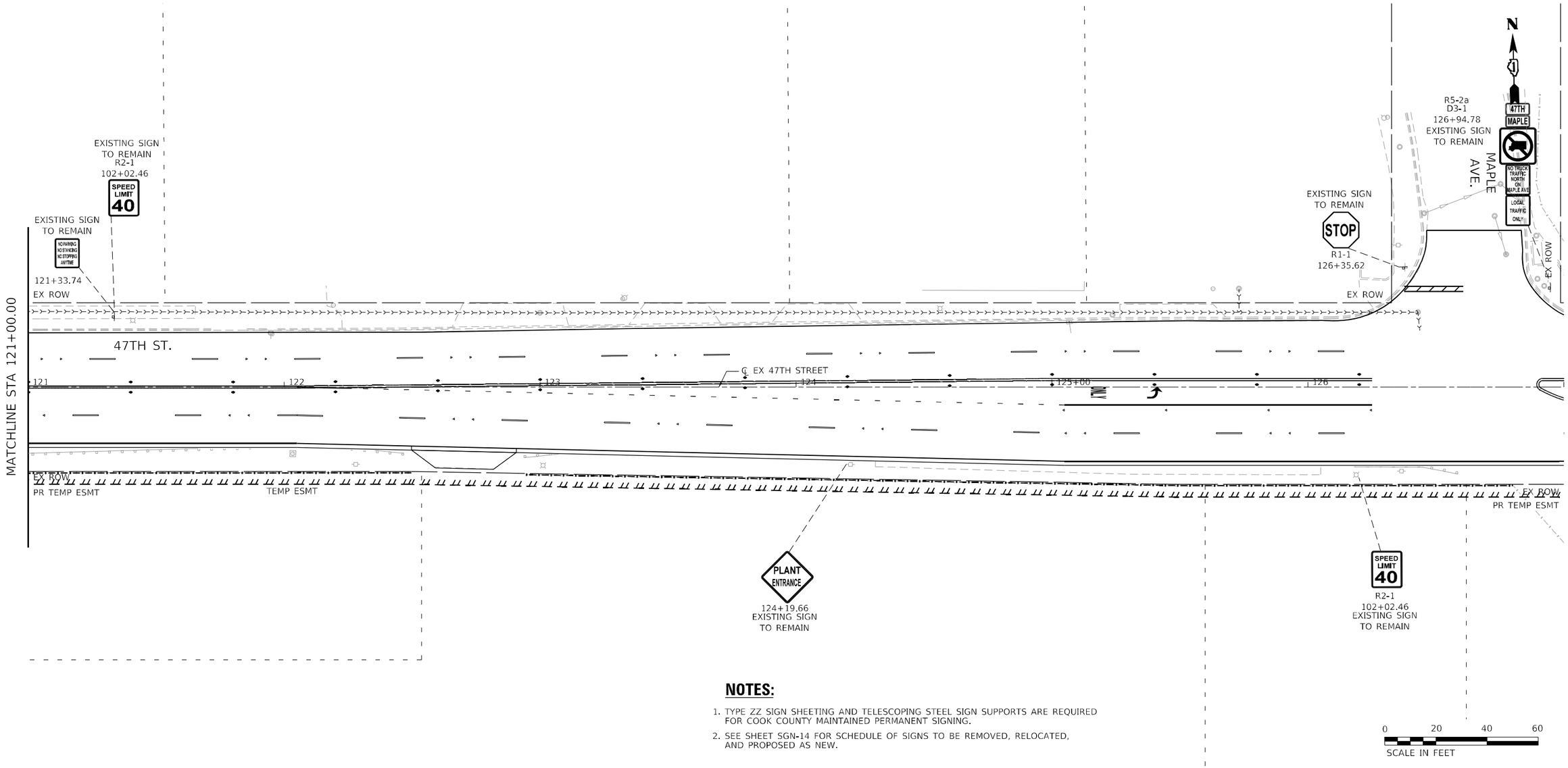

NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

SGN-07

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 7 OF 14 SHEETS | STA. 121+00.00 TO STA. 127+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	208
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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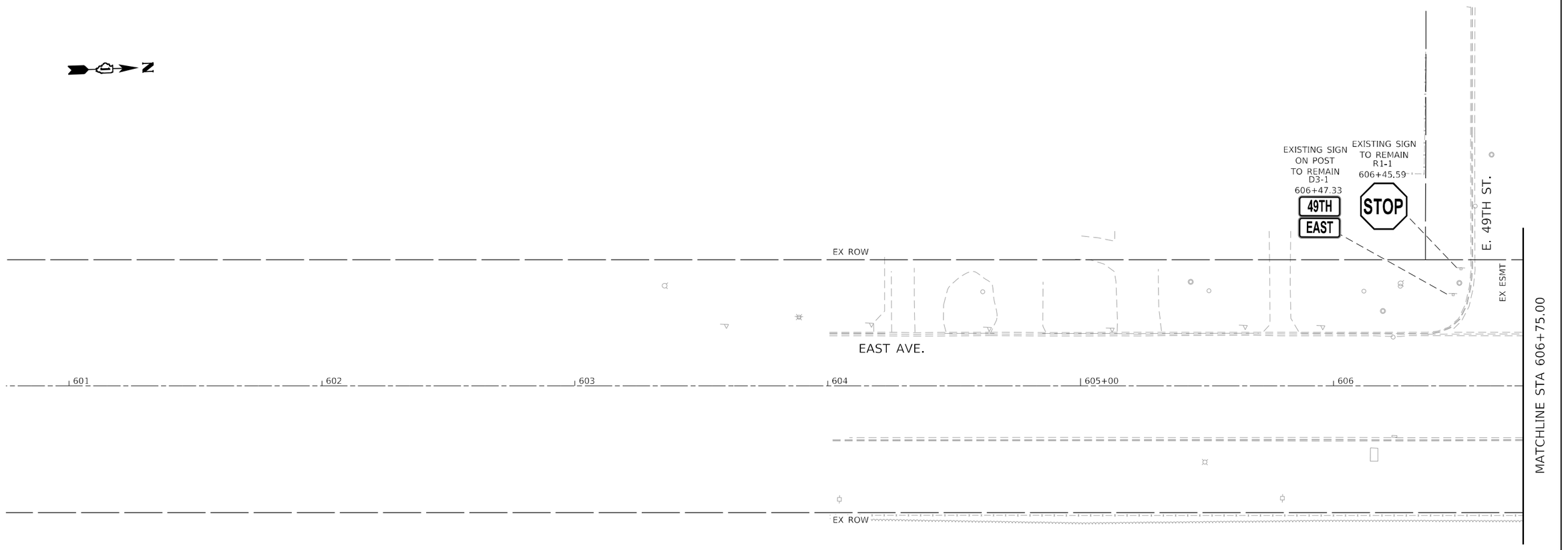


0 20 40 60

SCALE IN FEET

NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

MODEL: D162F11-sht-sheet-5026
FILE NAME: X:\P113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-sign-010.dgn

RS&H

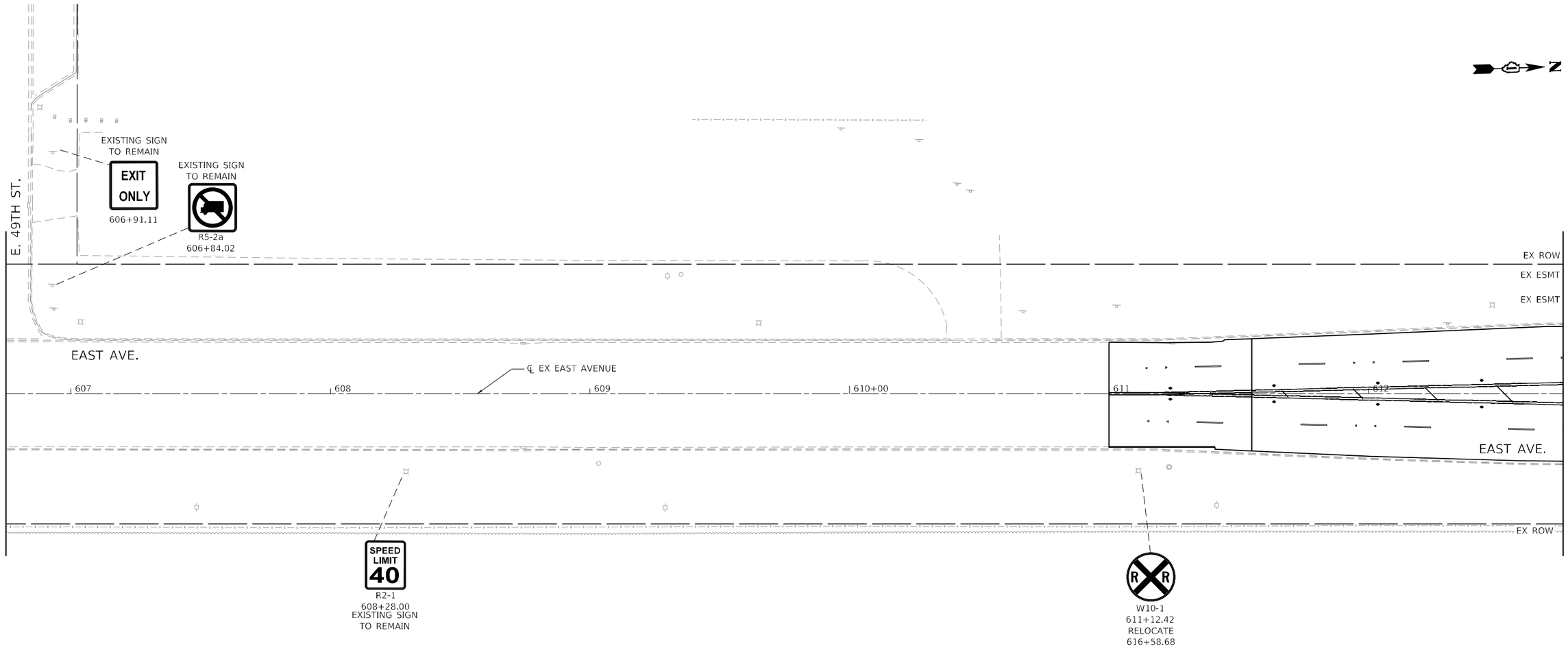
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 8 OF 14 SHEETS | STA. 601+00.00 TO STA. 606+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	209
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

0 20 40 60
SCALE IN FEET

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

SGN-09

RS&H	USER NAME = SchaefTN	DESIGNED - NWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST AVENUE AT 47TH STREET SIGNING PLANS
		DRAWN - DVP	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -		
	PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -		SCALE: 1" = 20' | SHEET 9 OF 14 SHEETS | STA. 606+75.00 TO STA. 612+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	210
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D:\62F11-sht-dnprf-0026
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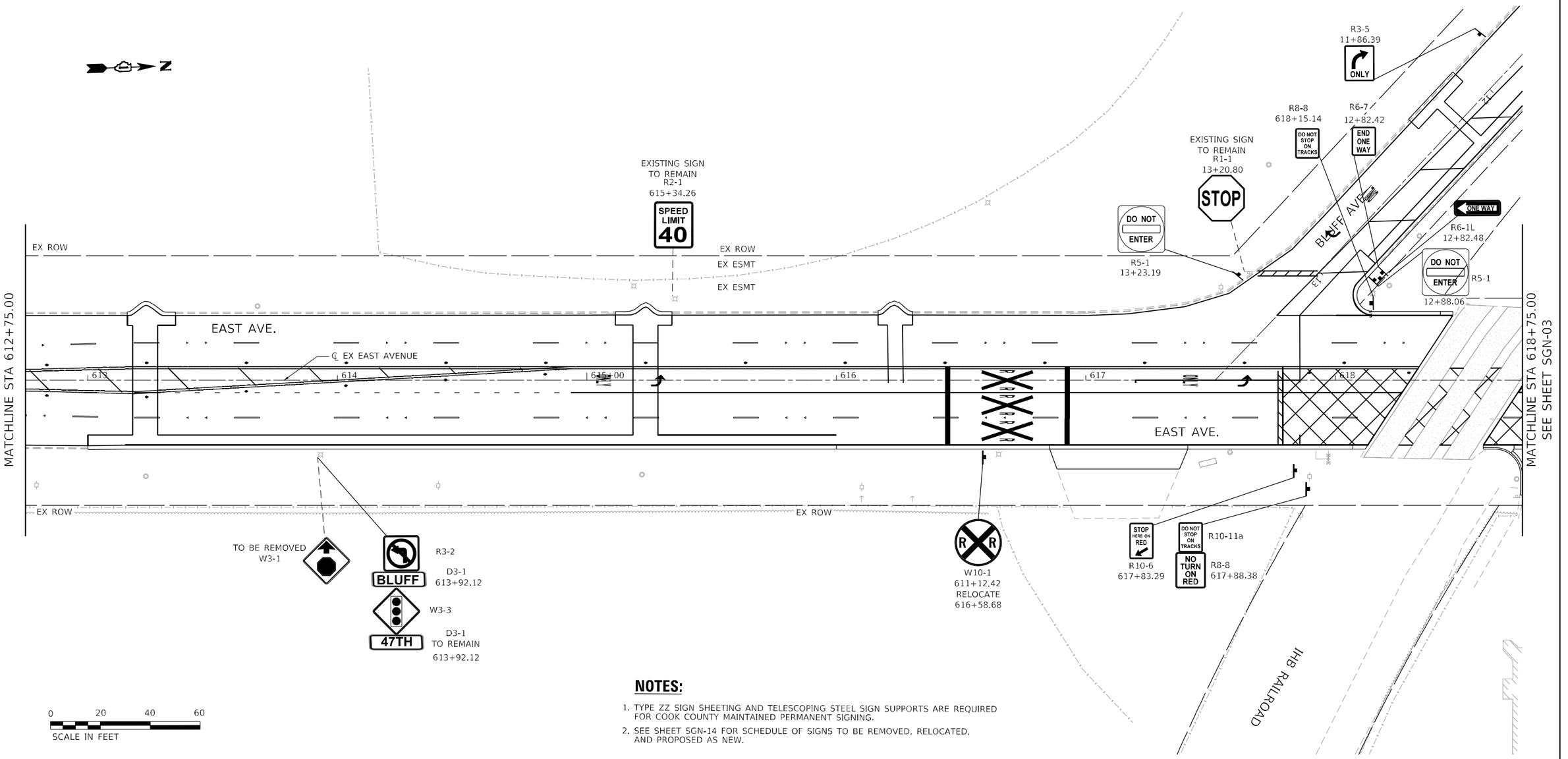


NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

MODEL: D162F11-sht-sheet-5026
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-sign-012.dgn

SGN-10

RS&H

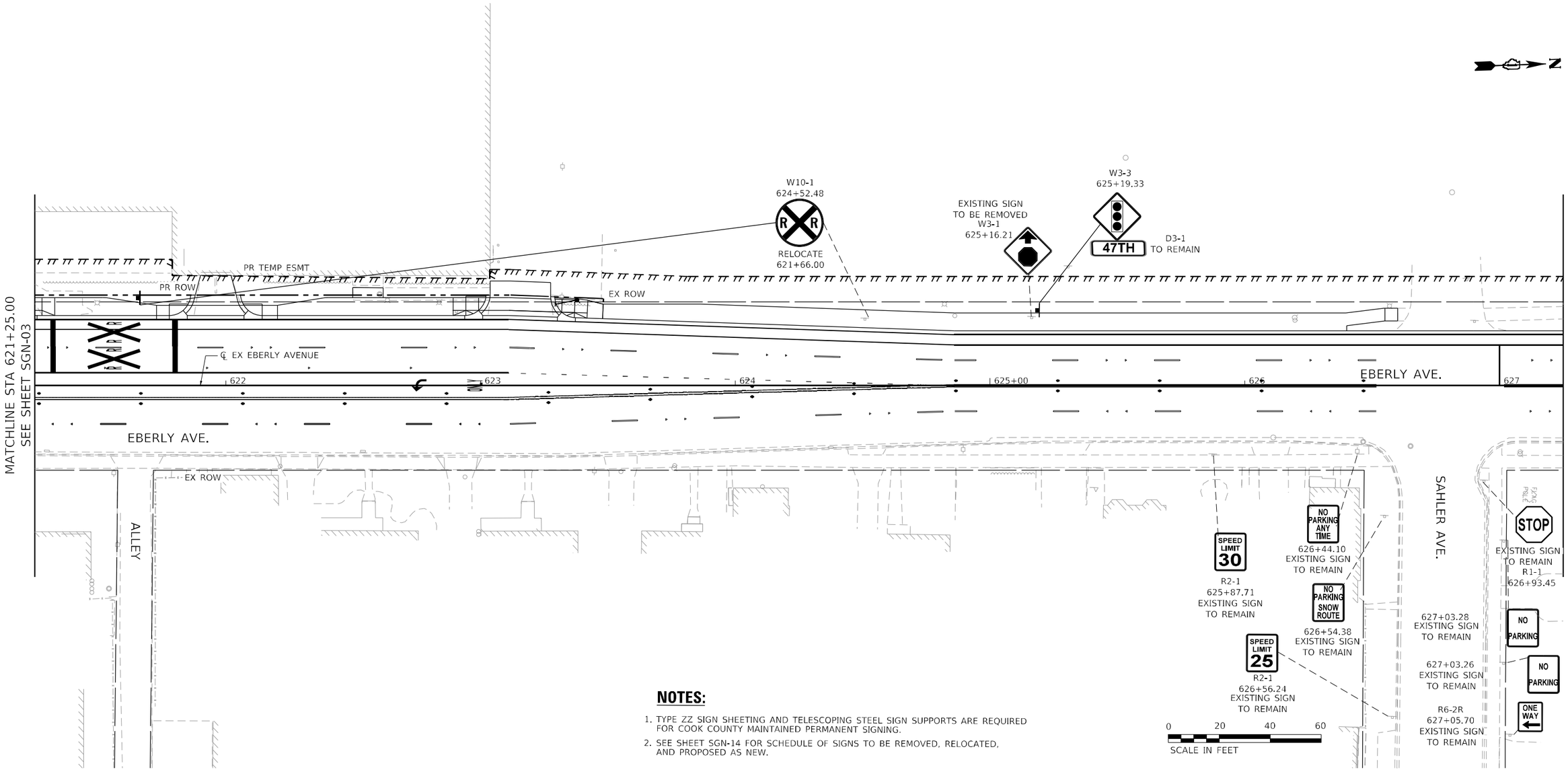
USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 10 OF 14 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	211
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

SGN-11

USER NAME = SchaefN	DESIGNED - NWS	REVISED -	
	DRAWN - DVP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -	
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -	

RS&H

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 11 OF 14 SHEETS | STA. 621+25.00 TO STA. 627+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	212
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-sht-plnpf-0027
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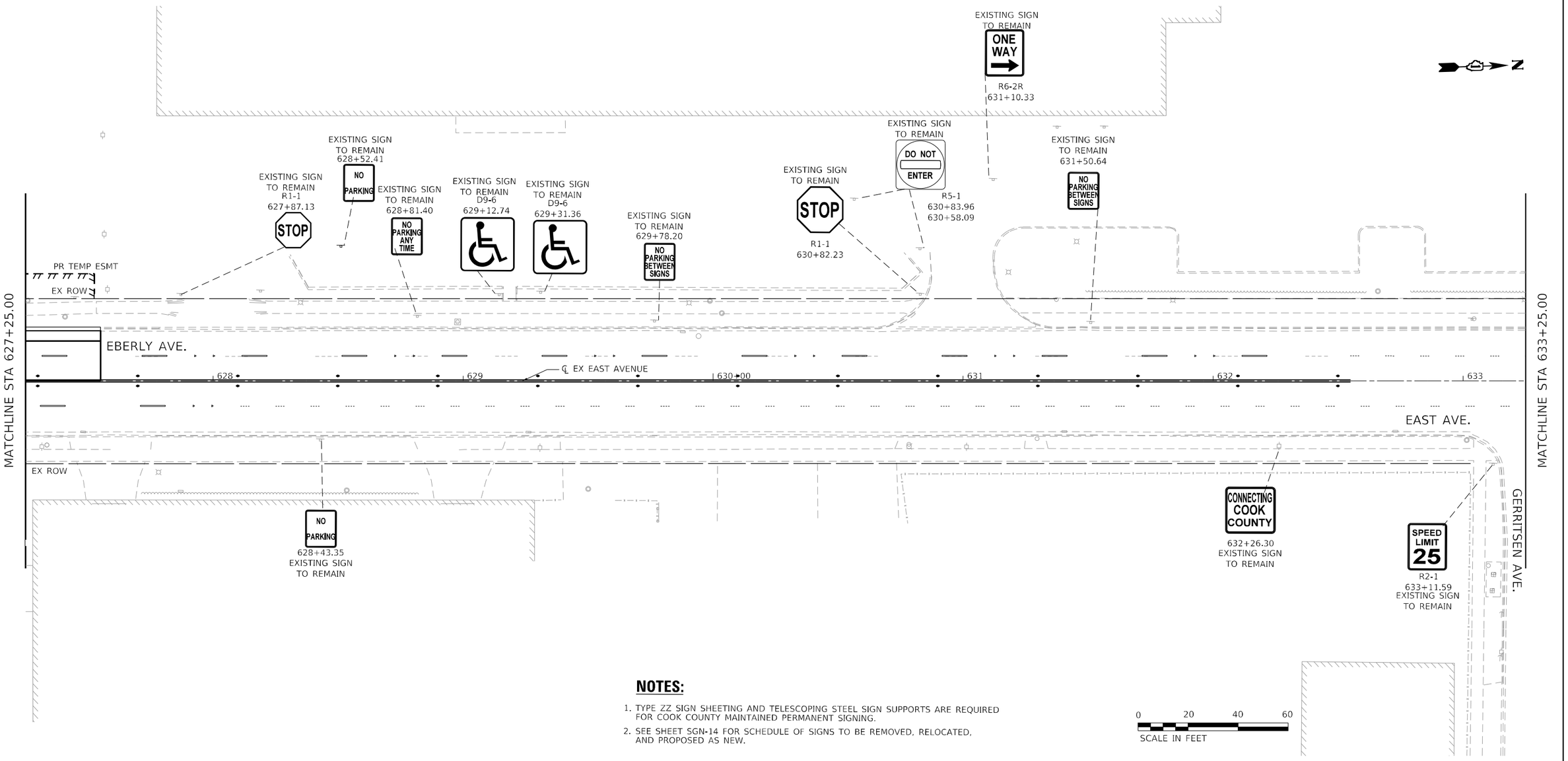

NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 12 OF 14 SHEETS | STA. 627+25.00 TO STA. 633+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	213
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: D162F11-sht-sheet-0027
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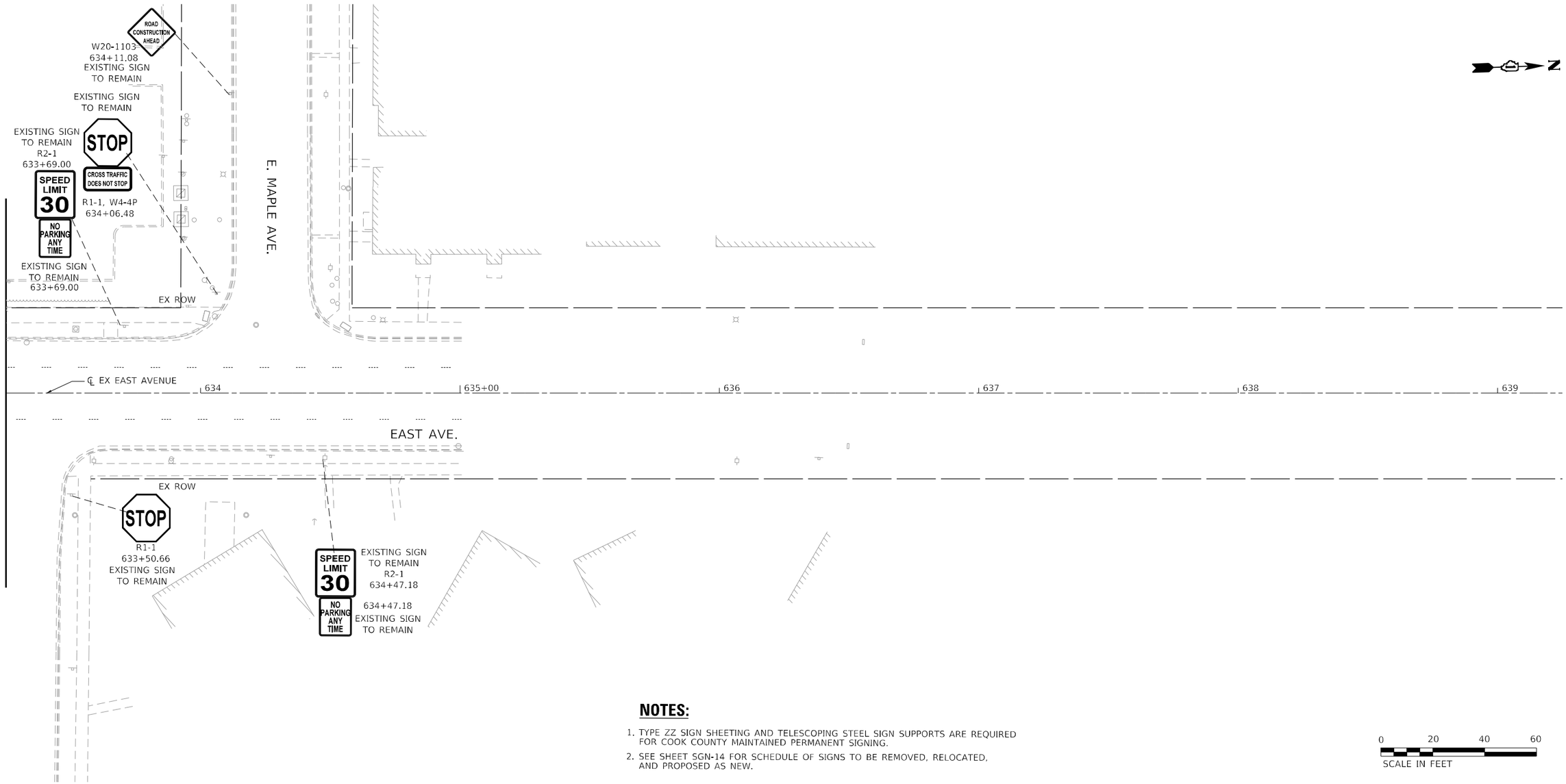


NOTES:

1. TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS ARE REQUIRED FOR COOK COUNTY MAINTAINED PERMANENT SIGNING.
2. SEE SHEET SGN-14 FOR SCHEDULE OF SIGNS TO BE REMOVED, RELOCATED, AND PROPOSED AS NEW.

LEGEND/NOTES

PROPOSED SIGN

EXISTING SIGN

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
SIGNING PLANS

SCALE: 1" = 20' | SHEET 13 OF 14 SHEETS | STA. 633+25.00 TO STA. 639+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	214
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-sheprf-0027
FILE NAME: X:\PW\13-2024-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-sign-015.dgn

ROADWAY	EXISTING STATION	OFFSET (FT)	LT/RT	PROPOSED STATION	OFFSET (FT)	LT/RT	SIGN DESINGATION	DESCRIPTION	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	PROPOSED 72000100 SIGN PANEL TYPE 1 (SQ FT)	PROPOSED 72000200 SIGN PANEL TYPE 2 (SQ FT)	REMOVE 72400310 SIGN PANEL TYPE 1 (SQ FT)	RELOCATE 72400710 SIGN PANEL TYPE 1 (SQ FT)	SIGN SUPPORT 72800100 TELESCOPING STEEL (FT)	SIGN SUPPORT 73100100 BASE FOR TELESCOPING SIGN SUPPORT (EACH)	SIGN SUPPORT 73700100 REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)
47TH	90+86.31	22.70	RT	94+43.07	39.02	RT	W10-1	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING	36	DIA.	7.07				7.07	15.00		1
47TH	92+44.93	27.47	RT					RIGHT TURN LANE	30	36	7.50			7.50				1
47TH	92+90.18	31.79	RT				W3-1	STOP SIGN AHEAD	36	36	9.00			9.00				
				92+90.18	31.79	RT	W3-3	SIGNAL AHEAD	36	36	9.00	9.00						
47TH	94+30.50	35.15	RT				R3-5	RIGHT TURN ONLY	30	36	7.50			7.50				
47TH	96+87.58	31.23	LT	96+87.58	34.57	LT	W15-1	PLAYGROUND AHEAD	36	36	9.00				9.00	15.00		1
47TH	96+71.24	37.19	RT				R10-7	DO NOT BLOCK INTERSECTION	24	30	5.00			5.00				
47TH	97+07.08	39.50	RT	97+97.45	33.10	RT		CAUTION: X' BETWEEN...	30	36	7.50			7.50				
							R8-8	DO NOT STOP ON TRACKS	24	30	5.00				5.00	17.50	1	1
							R 10-6	STOP HERE ON RED	24	36	6.00	6.00						
47TH				98+71.18	38.25	LT	R8-8	DO NOT STOP ON TRACKS	24	30	5.00	5.00				14.50	1	
47TH	98+86.56	32.02	LT	98+76.90	40.07	LT		LAGRANGE ARRESTS...	12	18	1.50				1.50	13.50	1	1
47TH				99+52.02	31.89	RT	R3-1	NO RIGHT TURN	30	30	6.25	6.25						
47TH				99+29.73	33.13	RT	R10-7	DO NOT BLOCK INTERSECTION	24	30	5.00	5.00				17.00	1	
47TH				99+61.18 (MAST ARM)	37.42	LT	D3-1	47TH ST	48	18	6.00	6.00						
							D3-1	EAST	90	30	18.75		18.75					
47TH				100+45.92 (MAST ARM)	37.34	RT	D3-1	47TH ST	48	18	6.00	6.00						
							D3-1	EAST	90	30	18.75		18.75					
47TH	99+52.88	29.81	RT				R1-1	STOP	36	36	9.00			9.00				1
							R1-3P	ALL WAY	18	6	0.75			0.75				
47TH	99+60.42	41.19	LT				R1-1	STOP	36	36	9.00			9.00				1
							R1-3P	ALL WAY	18	6	0.75			0.75				
47TH	100+45.47	33.94	LT				R1-1	STOP	36	36	9.00			9.00				1
							R1-3P	ALL WAY	18	6	0.75			0.75				
47TH				100+45.47	33.94	LT	R10-7	DO NOT BLOCK INTERSECTION	24	30	5.00	5.00				14.50	1	
47TH	100+36.91	43.54	RT				R1-1	STOP	36	36	9.00			9.00				1
							R1-3P	ALL WAY	18	6	0.75			0.75				
47TH	102+73.33	33.39	LT	101+71.69	37.03	LT	W10-1	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING	36	DIA.	7.07				7.07	15.00		1
47TH	103+62.87	35.78	LT	103+52.32	42.19	LT	D3-1	47TH ST	24	8	1.33				1.33	19.33	1	1
							D3-1	BLANCHAN AVE	24	8	1.33				1.33			
							R6-2L	ONE WAY	30	36	7.50				7.50			
							R5-1	DO NOT ENTER	36	36	9.00				9.00			
47TH	105+64.40	33.13	LT				W3-1	STOP SIGN AHEAD	36	36	9.00			9.00				
				105+64.40	33.13	LT	W3-3	SIGNAL AHEAD	36	36	9.00	9.00				15.00		
EAST	611+12.42	29.70	RT	616+58.68	33.69	RT	W10-1	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING	36	DIA.	7.07				7.07	15.00		1
EAST	613+92.12	30.92	RT				W3-1	STOP SIGN AHEAD	36	36	9.00			9.00				
				613+92.12	30.92	RT	R3-2	NO LEFT TURN (SYMBOL)	24	24	4.00	4.00				17.67		
							D3-1	BLUFF AVE	24	8	1.33	1.33						
							W3-3	SIGNAL AHEAD	36	36	9.00	9.00						
EAST				617+88.38	46.40	RT	R8-8	NO TURN ON RED	30	36	7.50	7.50				17.50		
							R10-11a	DO NOT STOP ON TRACKS	24	30	5.00	5.00						
EAST				617+83.29	39.04	RT	R10-6	STOP HERE ON RED	24	36	6.00	6.00						
EAST				618+15.14	33.64	LT	R8-8	DO NOT STOP ON TRACKS	24	30	5.00	5.00				14.50	1	
EAST				618+93.32	30.92	RT	R3-2	NO LEFT TURN (SYMBOL)	24	24	4.00	4.00				14.00	1	
EAST				619+32.08	32.79	LT	R8-8	DO NOT STOP ON TRACKS	24	30	5.00	5.00				14.50	1	
EAST				619+24.10	33.05	RT	R10-7	DO NOT BLOCK INTERSECTION	24	30	5.00	5.00				17.00	1	
							R8-8	DO NOT STOP ON TRACKS	24	30	5.00	5.00						
EAST	619+45.48	32.58	LT				W10-1	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING	36	DIA.	7.07			7.07				1
EAST	624+52.48	26.10	LT	621+66.00	28.27	LT	W10-1	HIGHWAY-RAIL GRADE CROSSING ADVANCE WARNING	36	DIA.	7.07				7.07	15.00		1
EAST	625+16.21	27.13	LT				W3-1	STOP SIGN AHEAD	36	36	9.00			9.00				
				625+19.33	30.39	LT	W3-3	SIGNAL AHEAD	36	36	9.00	9.00				15.00		
BLUFF				10+67.26	14.26	LT	R6-2R	ONE WAY	30	36	7.50	7.50				15.00	1	
BLUFF	10+76.58	18.08	LT				R1-1	STOP	36	36	9.00			9.00				1
BLUFF				11+86.39	19.82	RT	R3-5	RIGHT TURN ONLY	30	36	7.50	7.50				14.50		
BLUFF				12+82.42	15.73	LT	R6-7	END ONE WAY	24	30	5.00	5.00				14.50	1	
BLUFF				12+82.48	20.16	LT	R6-1L	ONE WAY	36	12	3.00	3.00				13.00	1	
BLUFF				12+88.06	21.22	LT	R5-1	DO NOT ENTER	36	36	9.00	9.00				15.00	1	
BLUFF				13+23.19	22.57	RT	R5-1	DO NOT ENTER	36	36	9.00	9.00				15.00		
											TOTAL	164.08	37.50	118.57	62.94	383.50	14	15

MODEL: D162F11-sht-sheet-5027
FILE NAME: X:\R113-0024-000 47th Street at East Avenue\CADD\Sheets\D162F11-sht-section-001.dgn

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -	
	DRAWN - DVP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAW	REVISED -	
PLOT DATE = 3/9/2024	DATE - 3/5/2024	REVISED -	

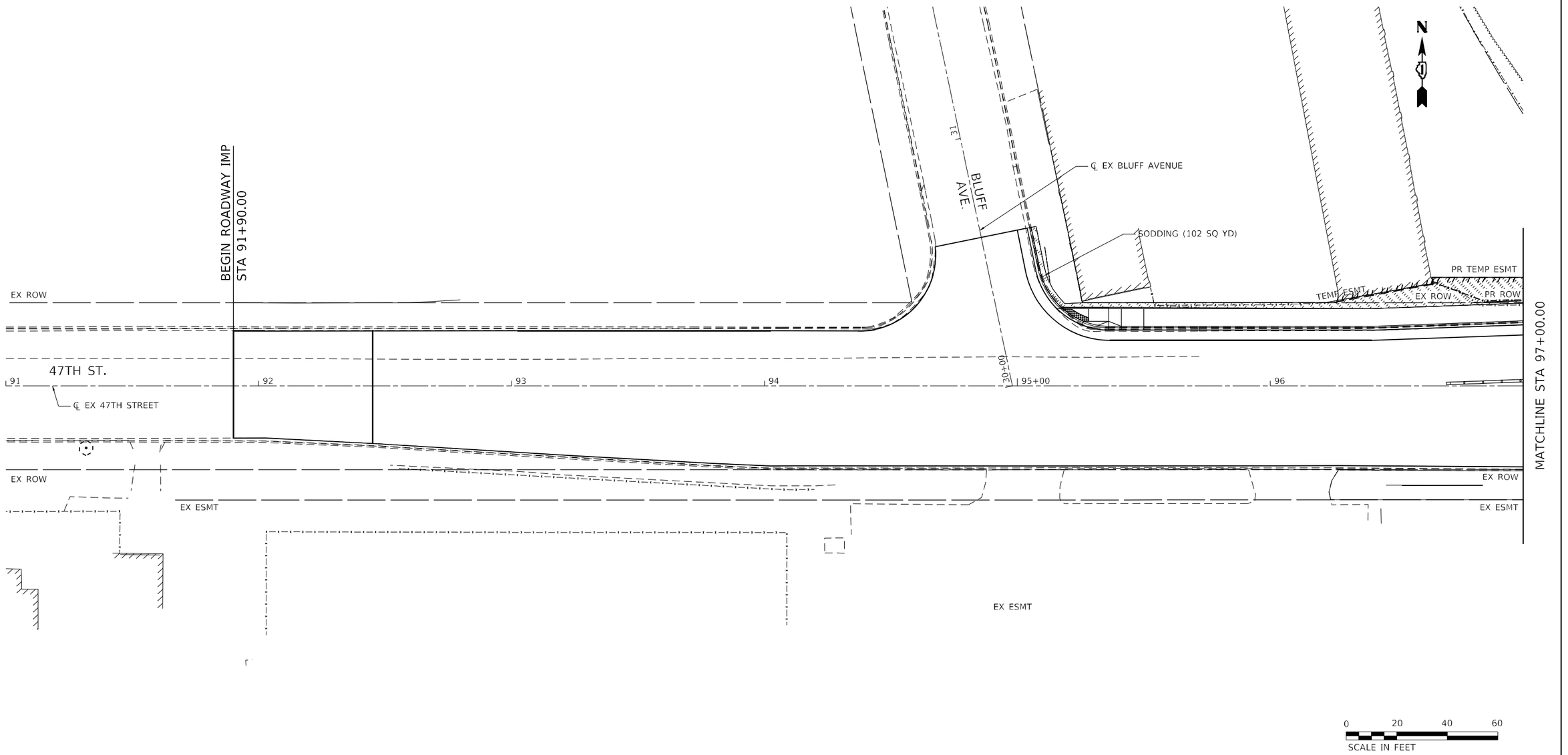
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: | SHEET 14 OF 14 SHEETS | STA. | TO STA.

SGN-14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	215
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-01

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 1 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	216
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

MODEL: D162F11-sht-dnprf-003
FILE NAME: X:\Dn113-2024-006 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-lndisc-003.dgn

MATCHLINE STA 621+25.00
SEE SHT LNDSCP-10

MATCHLINE STA 97+00.00

MATCHLINE STA 103+00.00

N

EX ROW

IHB RAILROAD

EX ROW

PR TEMP ESMT

PR ROW

EAST AVE.

621

SODDING (52 SQ YD)

PR TEMP ESMT

TEMP ESMT

PR ESMT

EX ROW

℄ EX 47TH STREET

PR ROW

PR TEMP ESMT

TEMP ESMT

EX ROW

47TH ST.

97+

98

99

620+00

100+00

101

102

10+00

47TH ST.

℄ EX EAST AVENUE

EX ROW

SODDING (209 SQ YD)

EX ROW

PR TEMP ESMT

SODDING (22 SQ YD)

EX ESMT

11+

PERENNIAL PLANT, ORNAMENTAL TYPE, GALLON POT
(NORTHWIND SWITCH GRASS) - 1.20 UNIT
2' O.C. - MULCH BED

EAST AVE.

EX ROW

619

618

BLUFF AVE.

℄ EX BLUFF AVENUE

2 SEEDLING-OSTRYA VIRGINIANA
(IRONWOOD AMERICAN HOPHORNBEAM),
2-YEAR OLD, BARE ROOT

MATCHLINE STA 11+80.00
SEE SHT LNDSCP-09

MATCHLINE STA 618+75.00
SEE SHT LNDSCP-09

0 20 40 60
SCALE IN FEET

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-02

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 2 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	217
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-dlnprf-004
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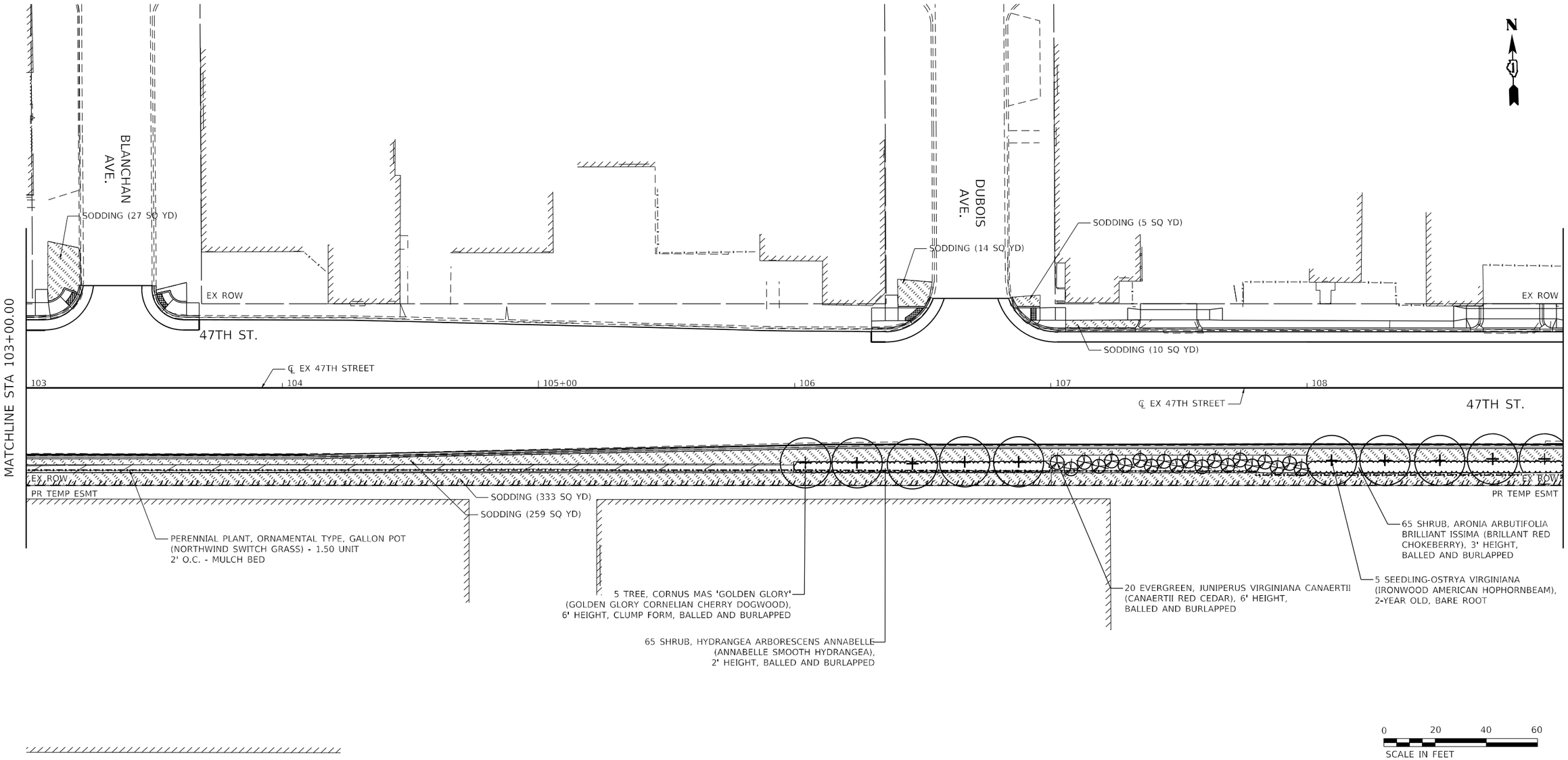

LEGEND

- SODDING
  TOPSOIL FURNISH AND PLACE, 4"
- PERENNIAL PLANT, ORNAMENTAL TYPE
  (SIZE SPECIES, AND SPACING SPECIFIED)
- PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)
- PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)
- TREE CARE
  (AT DIRECTION OF ENGINEER)
- PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-03

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 3 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	218
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-sht_pf-005
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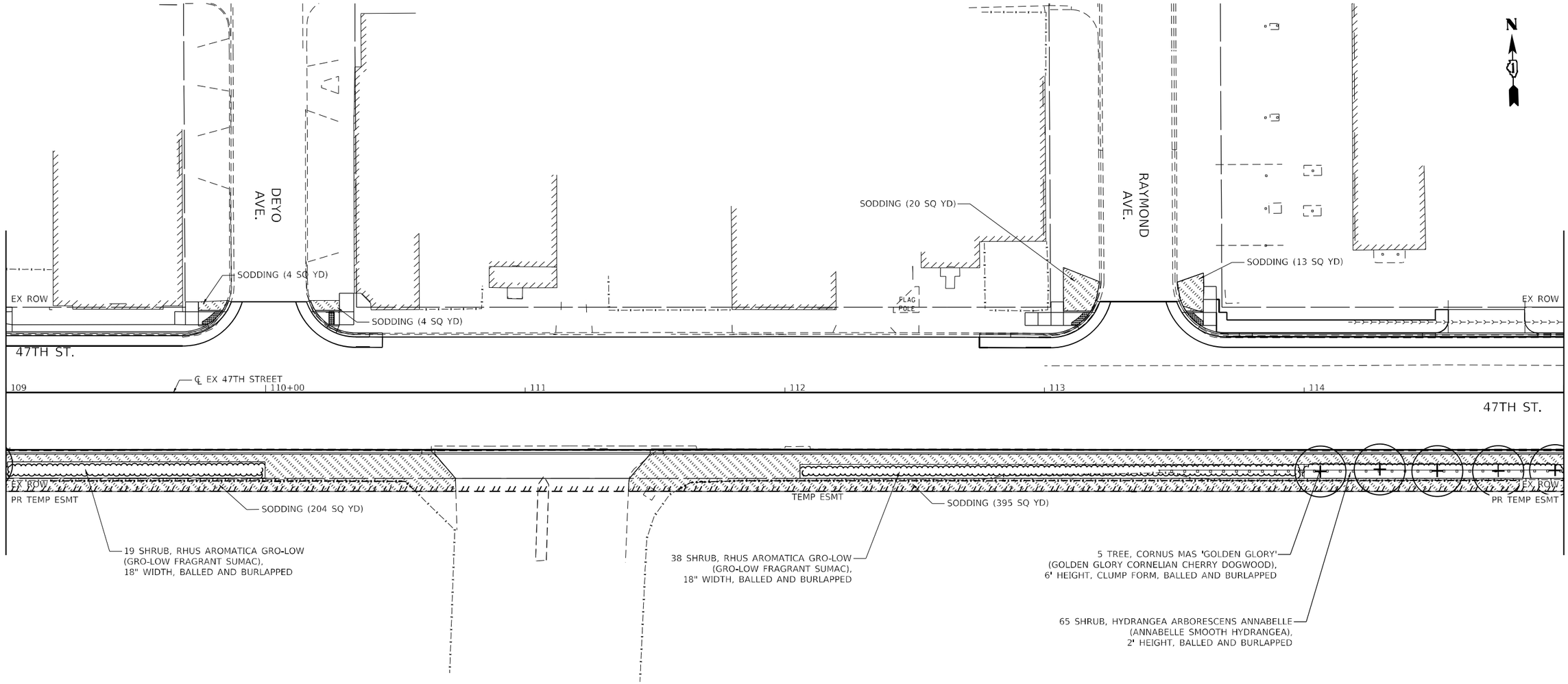

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-04

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 4 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	219
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shpf-006
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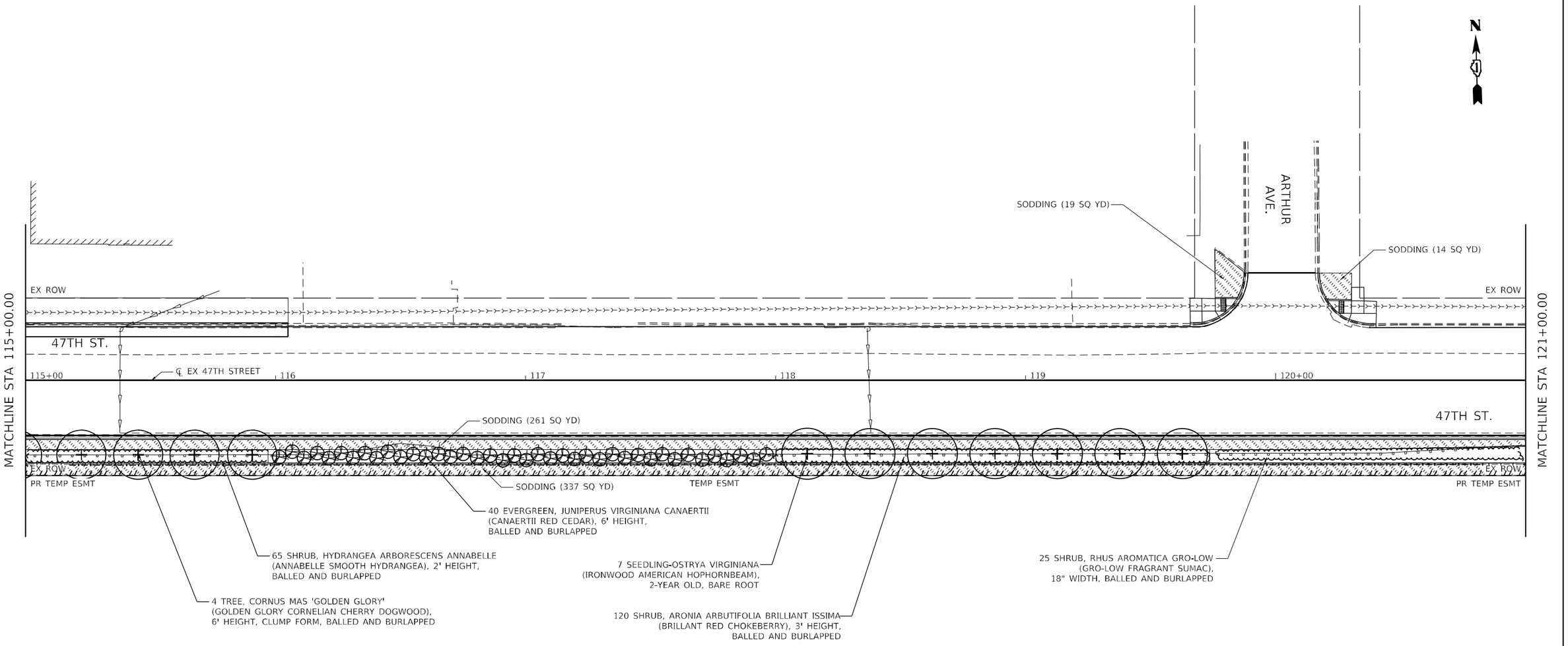


LEGEND

- SODDING, TOPSOIL FURNISH AND PLACE, 4"
- PERENNIAL PLANT, ORNAMENTAL TYPE (SIZE SPECIES, AND SPACING SPECIFIED)
- PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)
- PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)
- TREE CARE (AT DIRECTION OF ENGINEER)
- PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

MODEL: D162F11-sht-dnpf-007
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-lndscp-007.dgn

RS&H

USER NAME = SchaeffN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

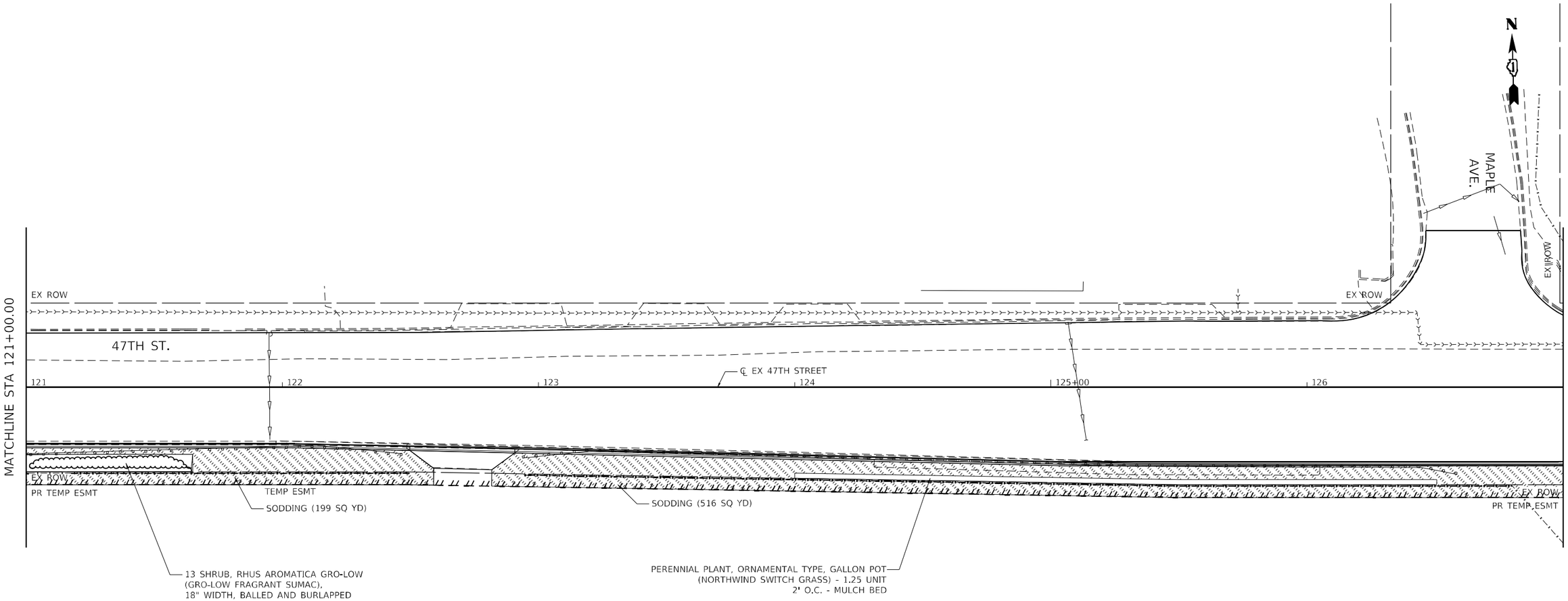
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 5 OF 11 SHEETS | STA. | TO STA.

LNDSCP-05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	220
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

MODEL: D162F11-sht-sheet-508
FILE NAME: X:\P\113-0024-000 47th Street at East Avenue\CAD\CAD Sheets\D162F11-sht-sheet-508.dgn

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

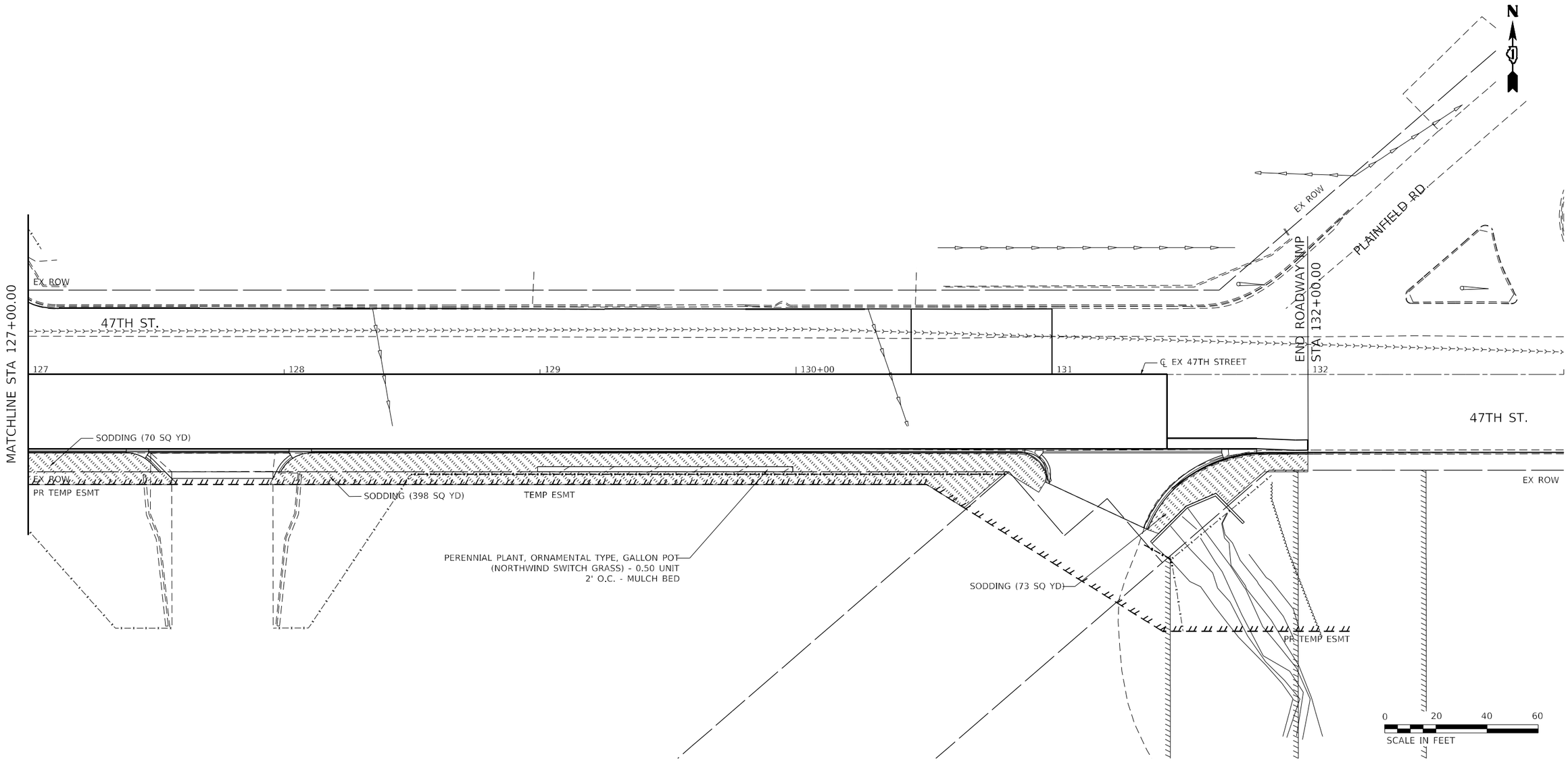
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 6 OF 11 SHEETS | STA. | TO STA.

LNDSCP-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	221
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

MODEL: D162F11-sht-dnpf-009
FILE NAME: X:\PJ\113-0024-000 47th Street at East Avenue\CAD\CAD_Sheets\D162F11-sht-lndscp-009.dgn

LNDSCP-07

RS&H

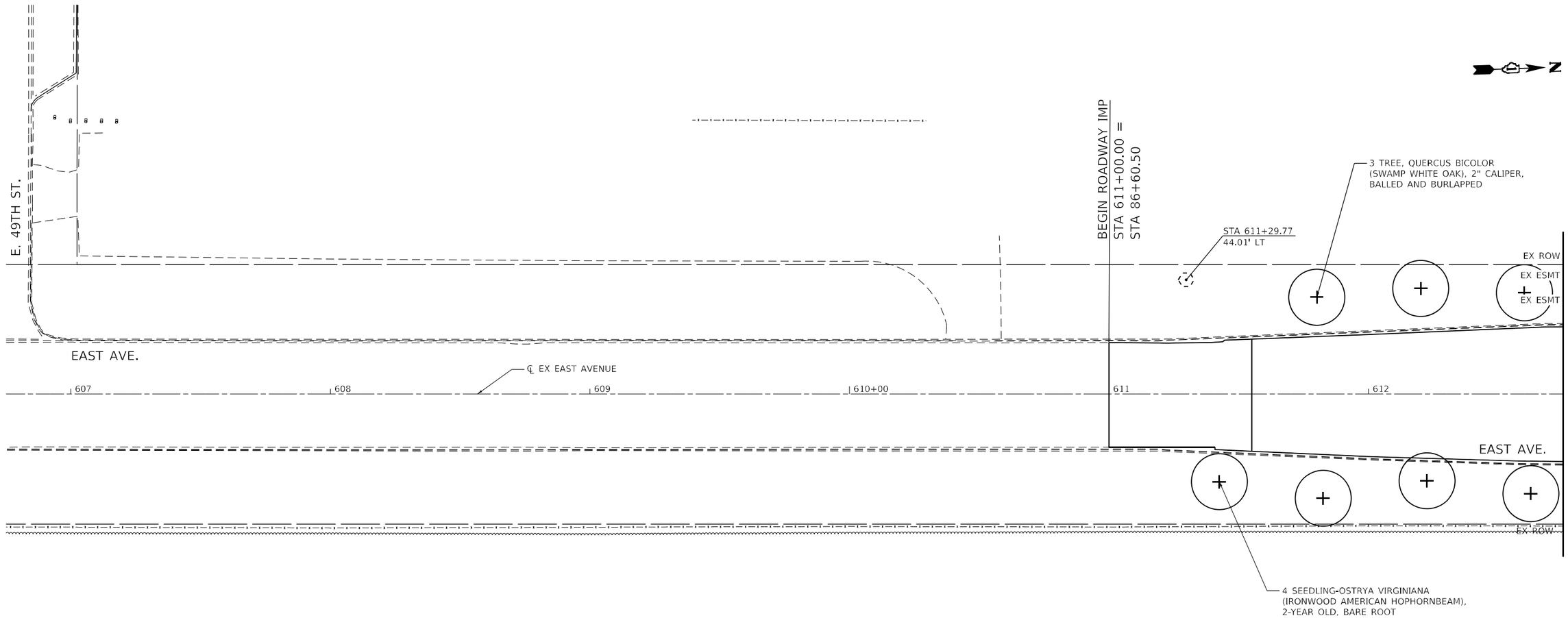
USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 7 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	222
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-08

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 8 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	223
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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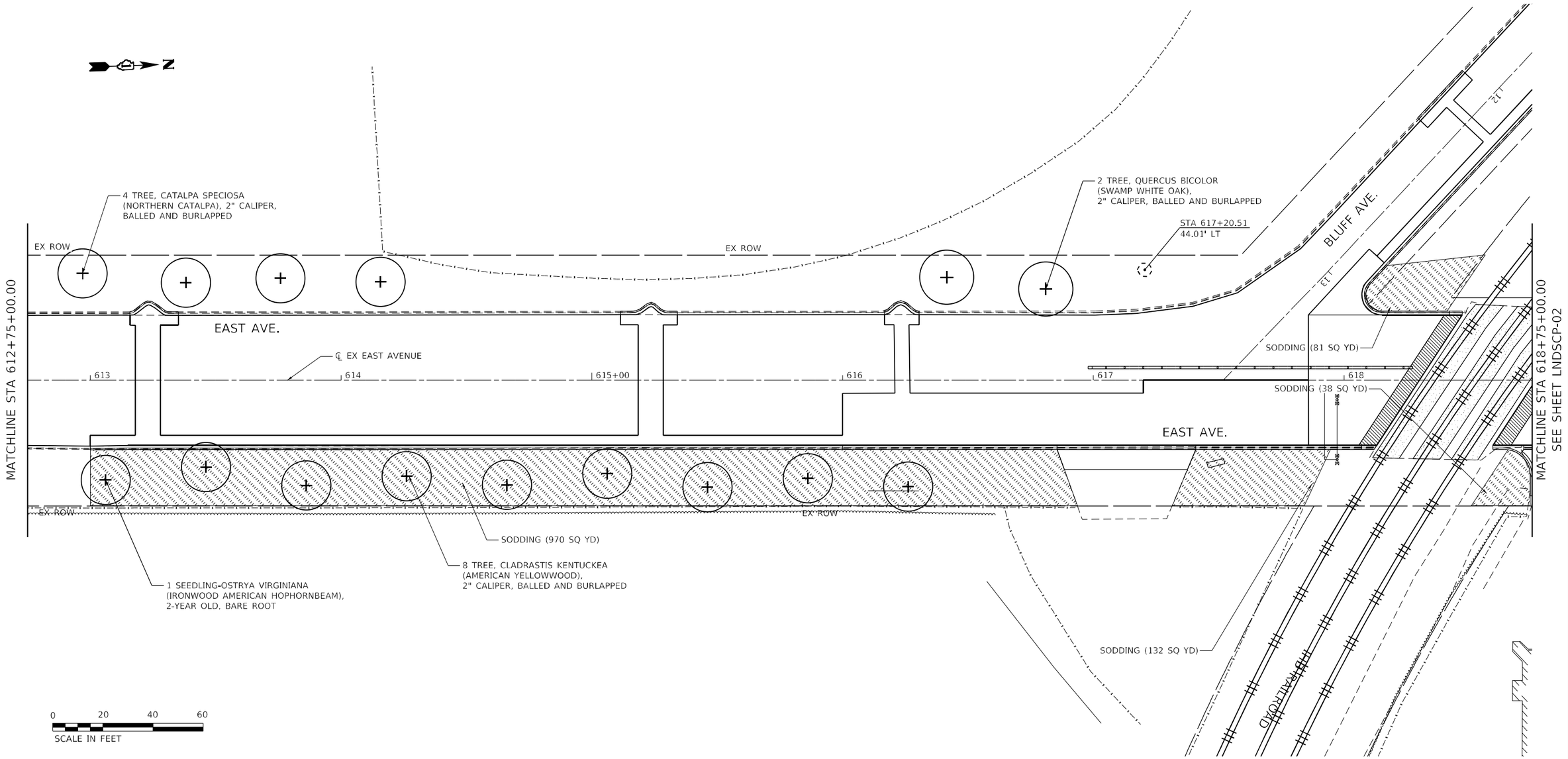

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-09

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 9 OF 11 SHEETS | STA. 612+75.00 TO STA. 618+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	224
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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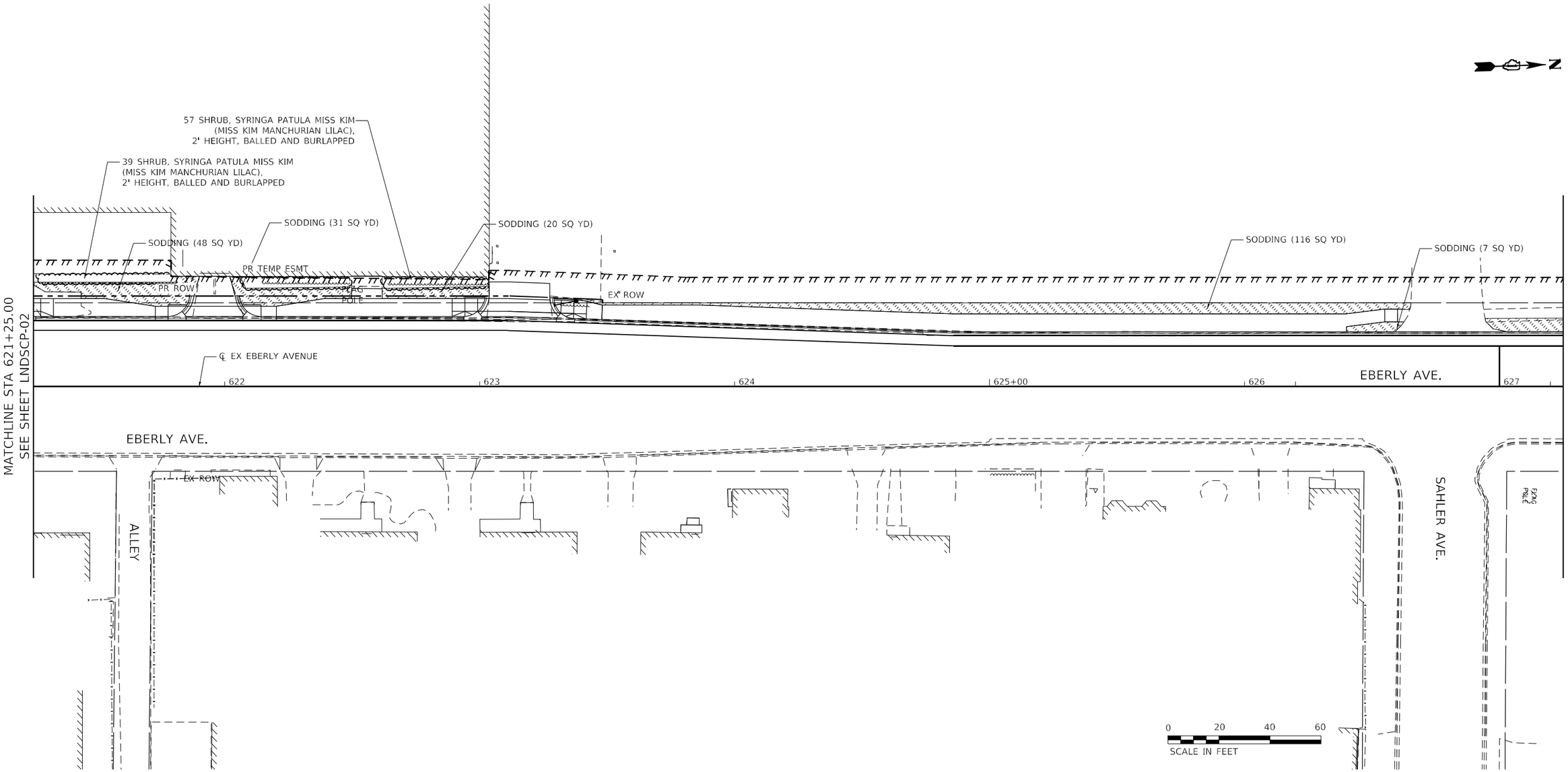

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-10

RS&H

USER NAME = SchaefFN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 10 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	225
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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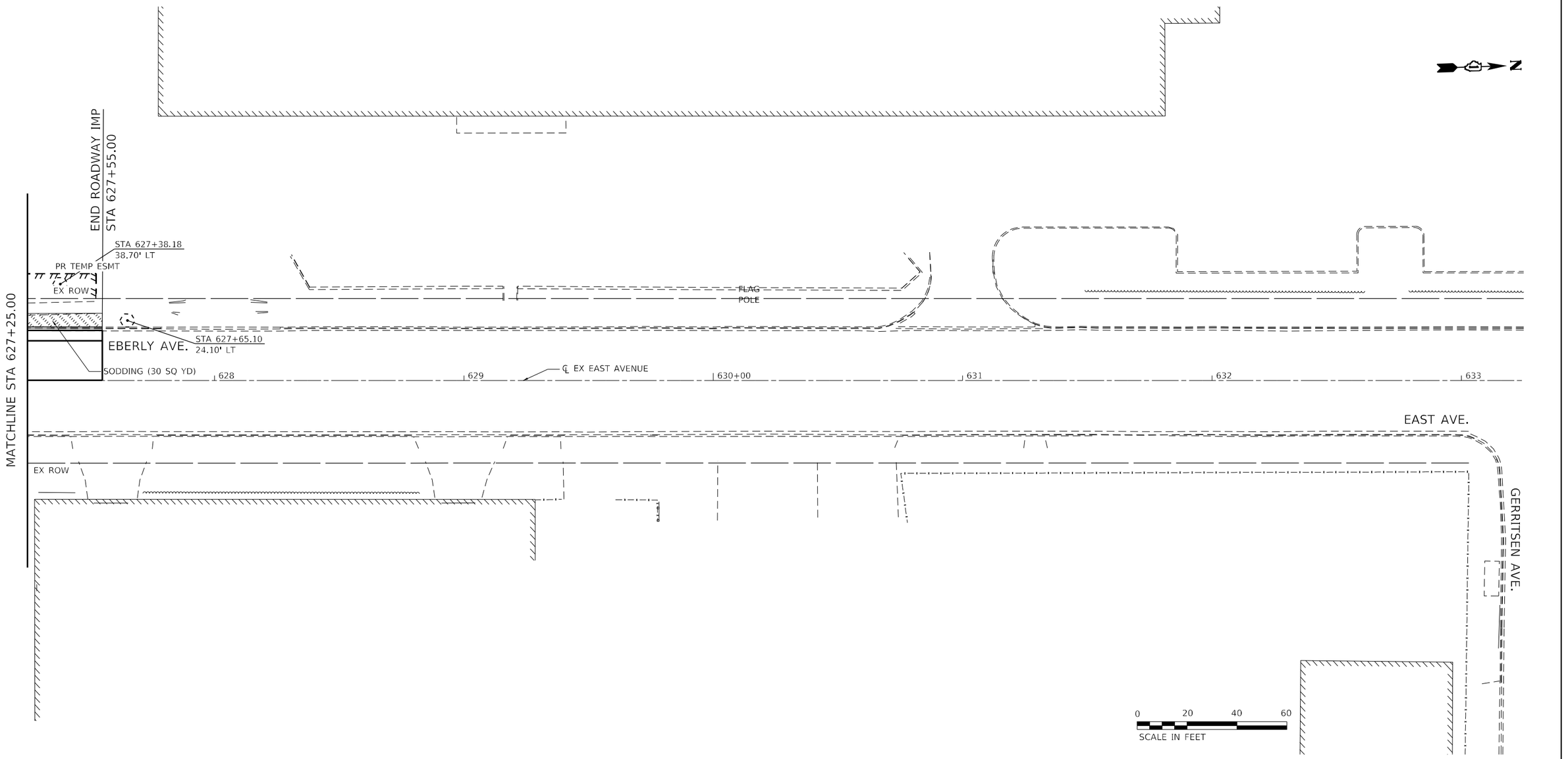

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERENNIAL PLANT, ORNAMENTAL TYPE
(SIZE SPECIES, AND SPACING SPECIFIED)

PR SHADE TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

PR EVERGREEN TREE (SIZE, SPECIES, AND SPACING SPECIFIED)

TREE CARE
(AT DIRECTION OF ENGINEER)

PR SHRUBS (SIZE, SPECIES, AND SPACING SPECIFIED)

LNDSCP-11

RS&H

USER NAME = SchaefN	DESIGNED - NWS	REVISED -
	DRAWN - DVP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ALM	REVISED -
PLOT DATE = 3/11/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
LANDSCAPING PLANS

SCALE: 1' = 20' | SHEET 11 OF 11 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	226
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

MODEL: D162F11-sht-shnpf-0027
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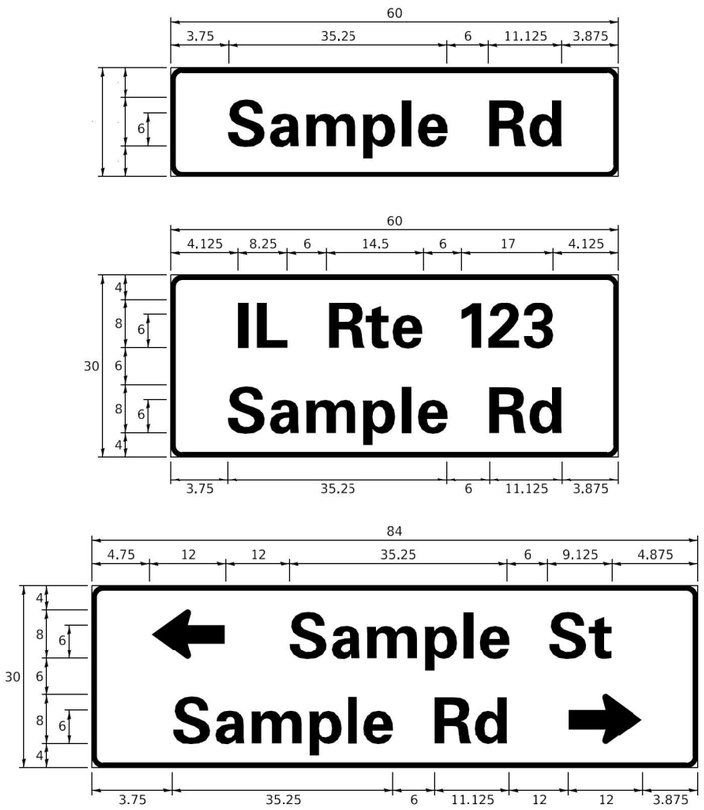
SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

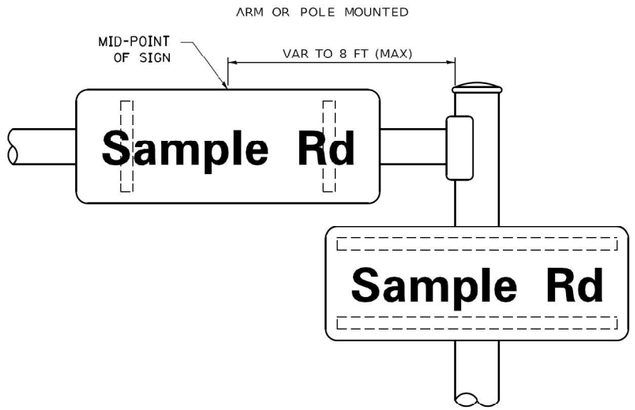
- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

PARTS LISTING:

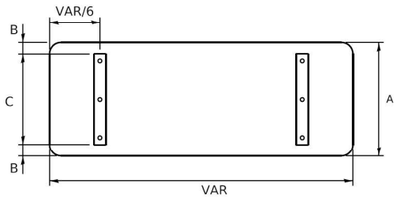
SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

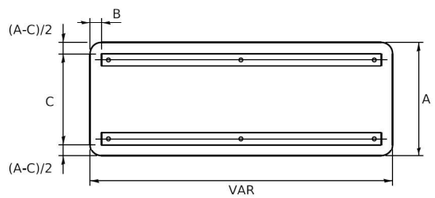
MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.432	0.480	B	0.960	5.446	0.400
C	0.720	4.432	0.720	C	0.800	5.446	0.800
D	0.880	4.432	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.432	0.720	G	0.800	5.446	0.800
H	0.880	4.432	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.432	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.432	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.432	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.432	0.480	R	0.960	5.446	0.400
S	0.480	4.432	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.432	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.432	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.432	0.480	2	0.800	5.446	0.800
3	0.480	4.432	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.432	0.480	5	0.800	5.446	0.800
6	0.720	4.432	0.720	6	0.800	5.446	0.800
7	0.240	4.432	0.720	7	0.560	5.446	0.560
8	0.480	4.432	0.480	8	0.800	5.446	0.800
9	0.480	4.432	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO.1

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ts02.dgn 3/4/2015 11:09:17 AM User:cfoters

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = cfoster	DESIGNED - GMP	REVISED - LP 07/01/2015	
	DRAWN - GMS	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - PLG	REVISED -	
PLOT DATE = 3/4/2015	DATE - 10/03/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	227
	TS-02	CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	RR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 2

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = rosiekm	DESIGNED - DPG	REVISED -	
	DRAWN - DPG	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - DPG	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	228
	TS-05	CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

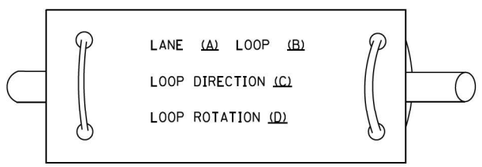
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

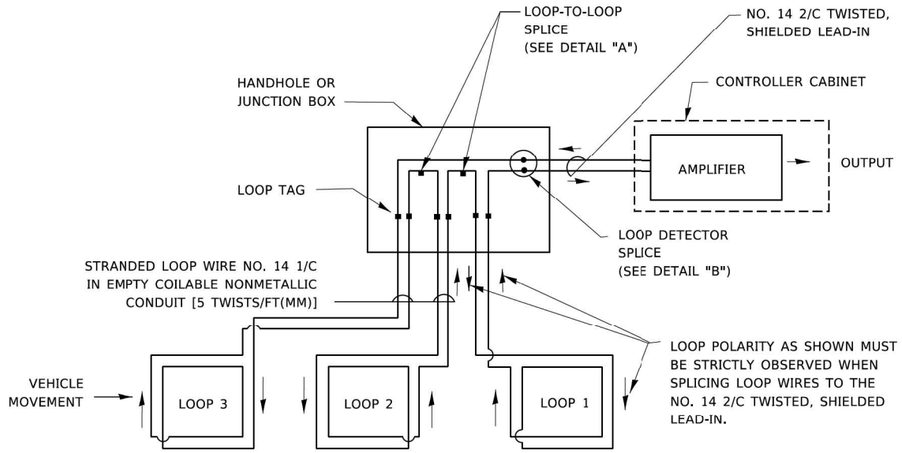


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

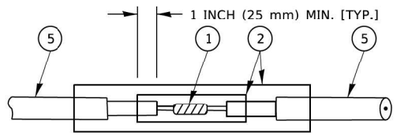
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

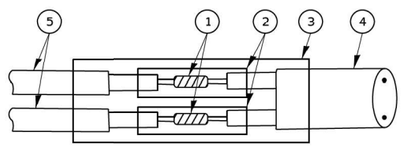


DETECTOR LOOP WIRING SCHEMATIC

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

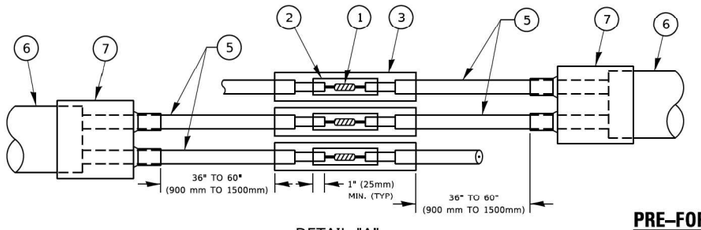


DETAIL "A"
LOOP-TO-LOOP SPLICE



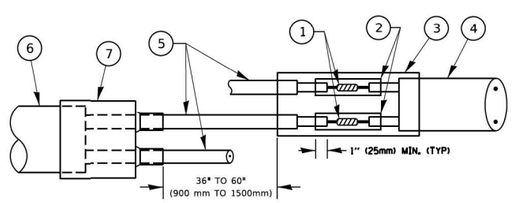
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 3

MODEL: D1TSSHT1-sht-dnprf-0023
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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	DRAWN - GG	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/4/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

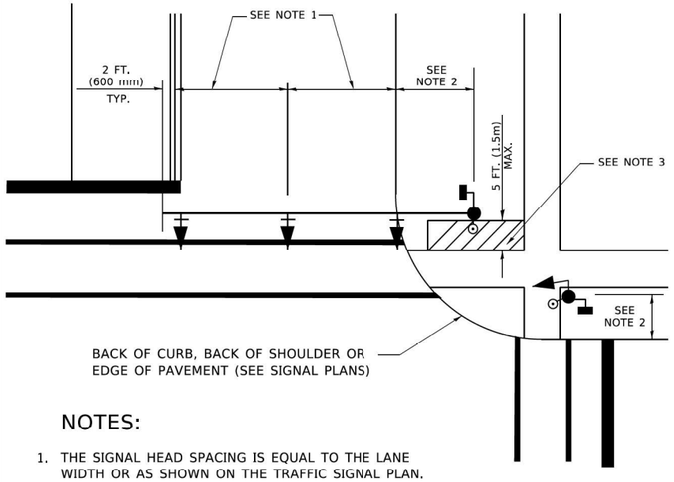
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	229
	TS-05	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

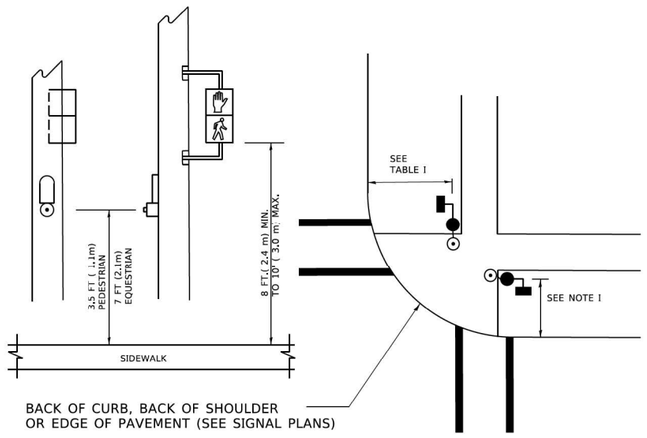
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

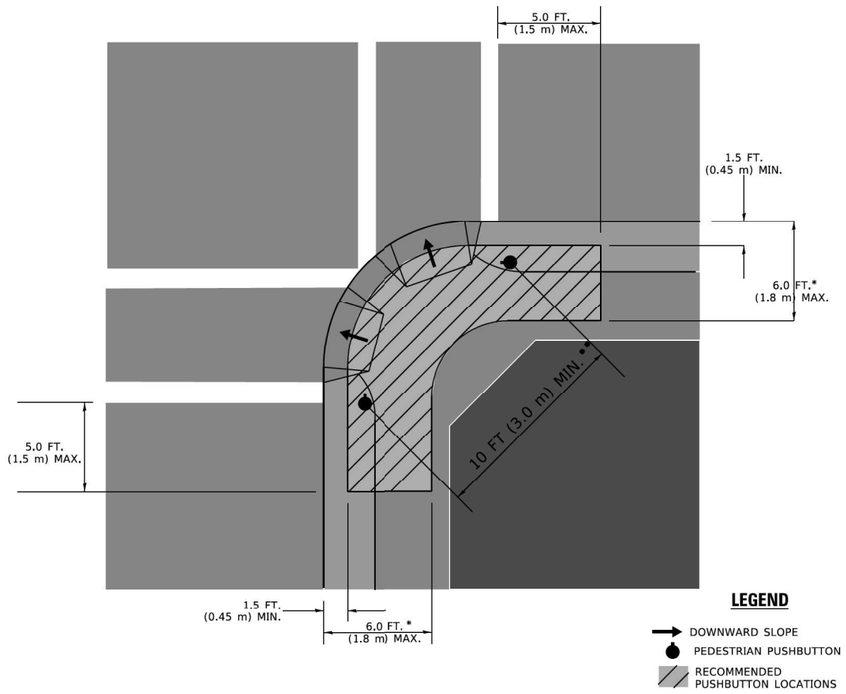
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS TIIAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

MODEL: Default
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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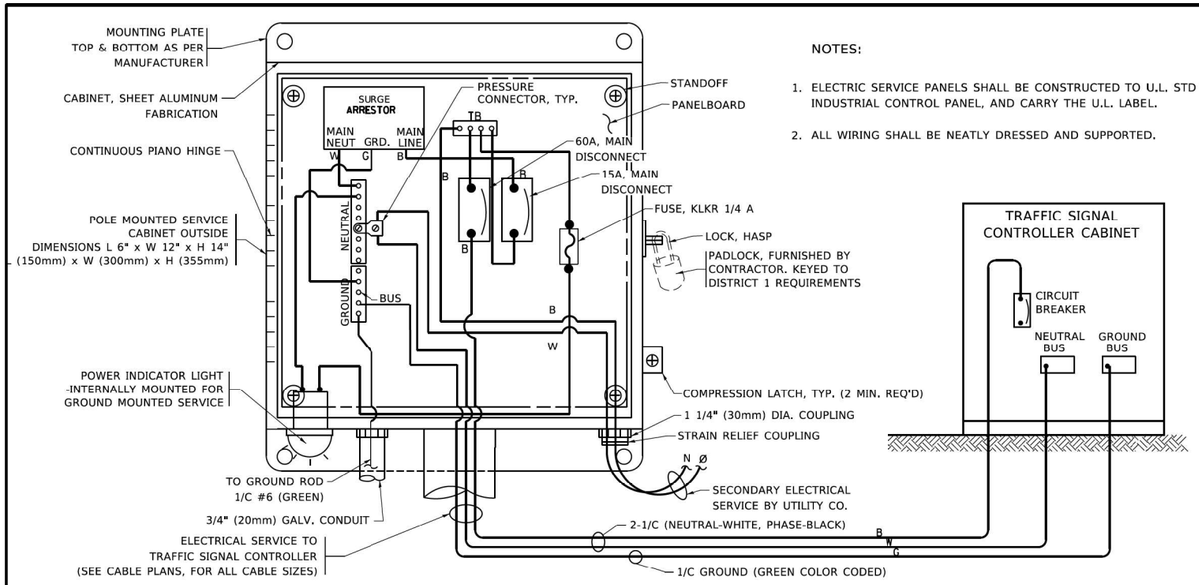
PLOT DATE = 3/4/2019	DATE - 3/5/2024	REVISED -	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	230
	TS-05	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



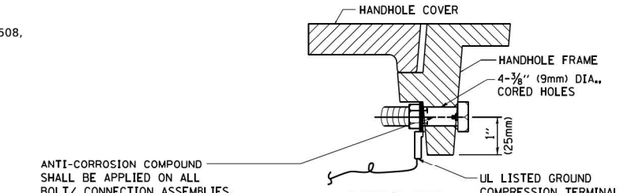
NOTES:

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

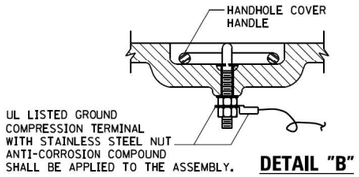
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

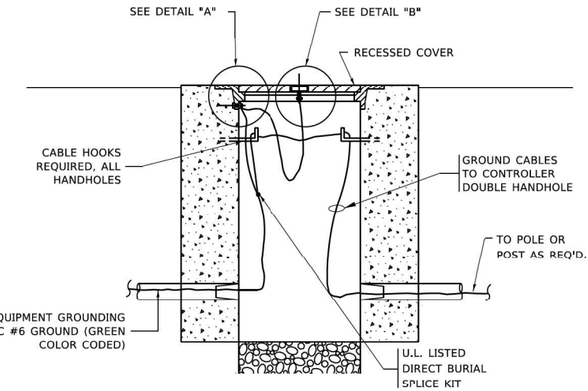


DETAIL "B"

NOTES:

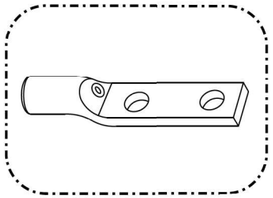
GROUNDING SYSTEM

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

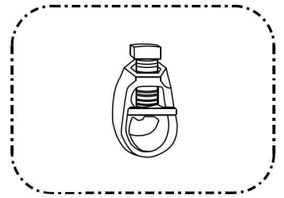


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



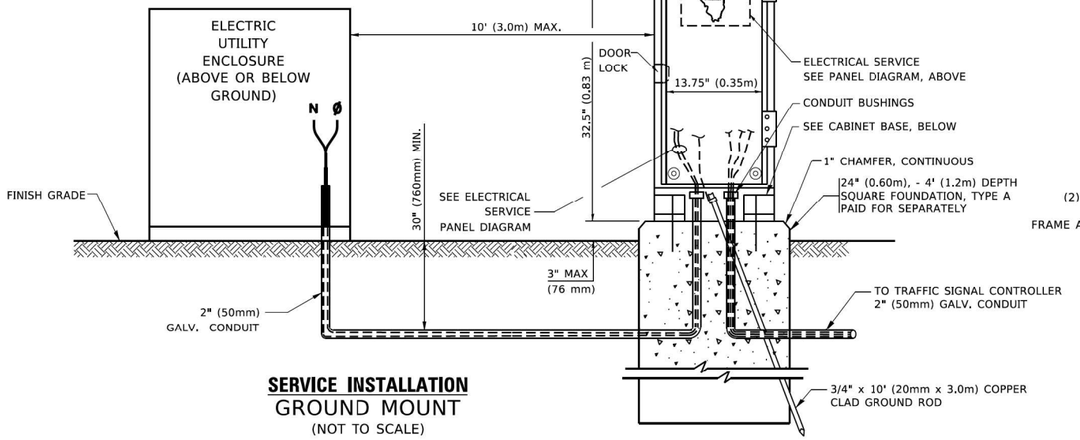
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

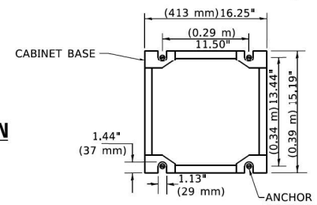
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

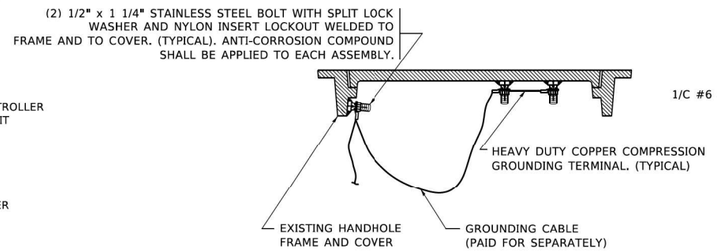
GROUND MOUNT

(NOT TO SCALE)



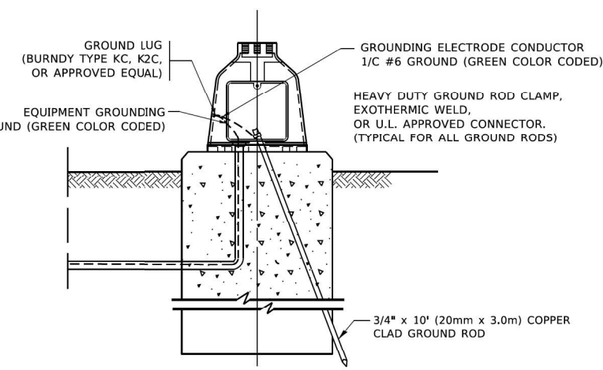
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 5

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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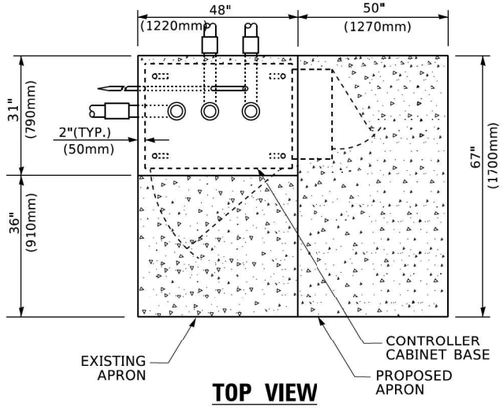
PLOT DATE = 3/4/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

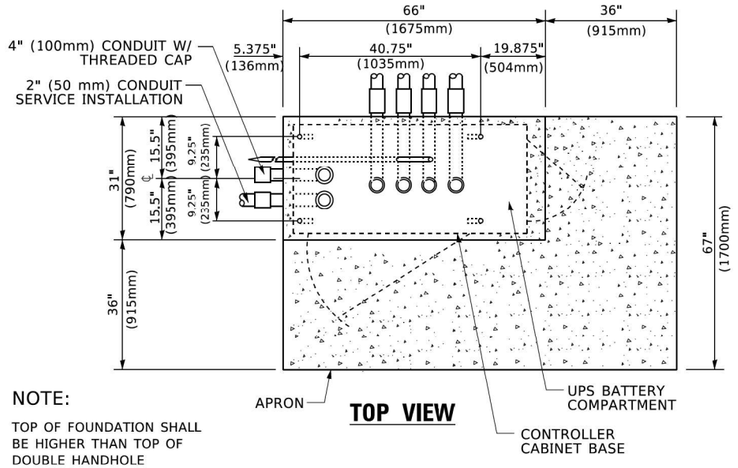
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	231
	TS-05	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



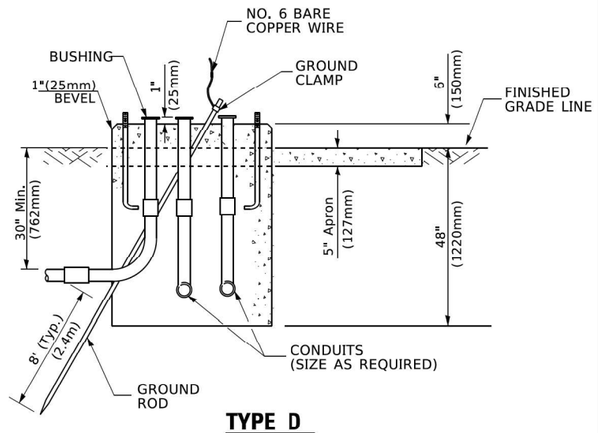
TOP VIEW



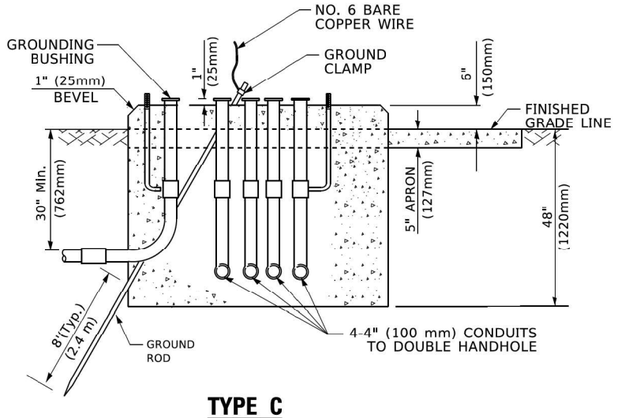
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

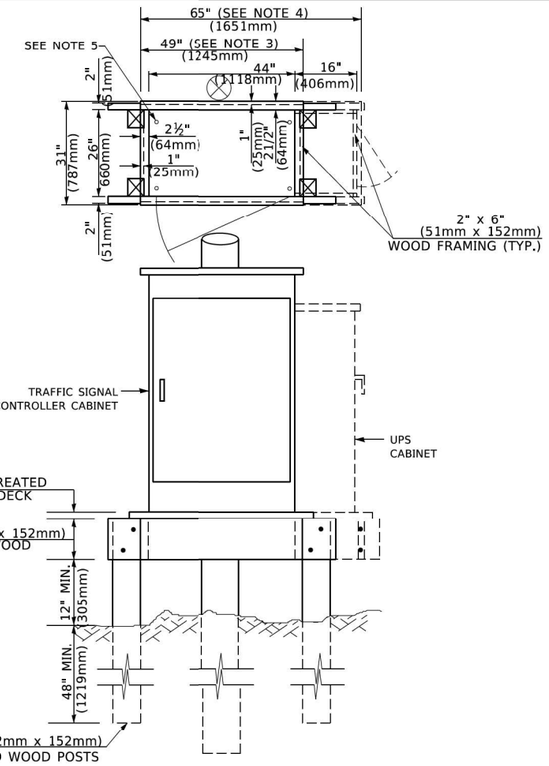
TOP VIEW



TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up 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. 6

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	232
	TS-05	CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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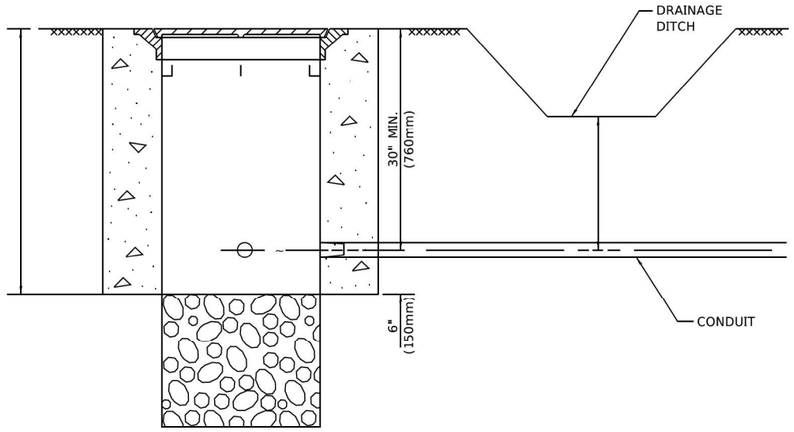
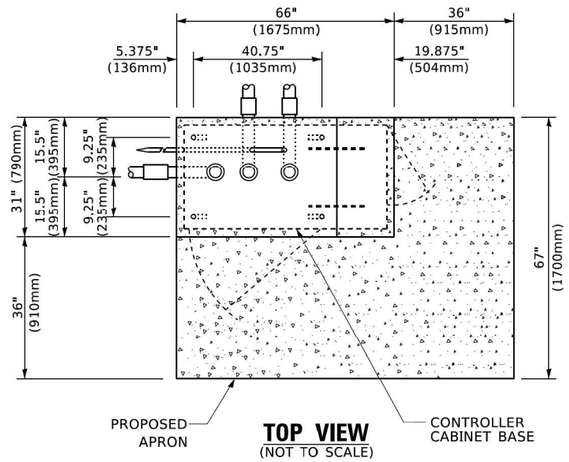


NOTES:

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

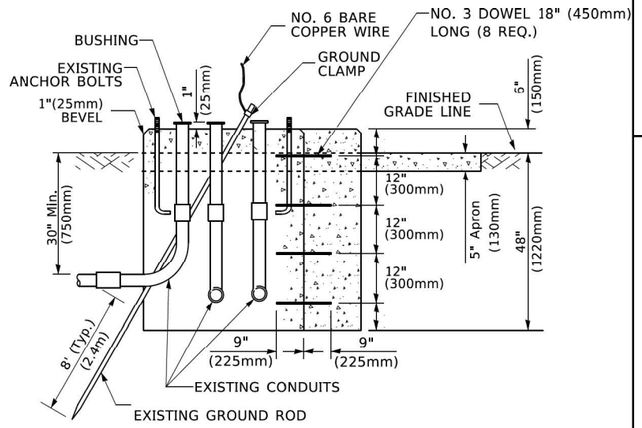
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



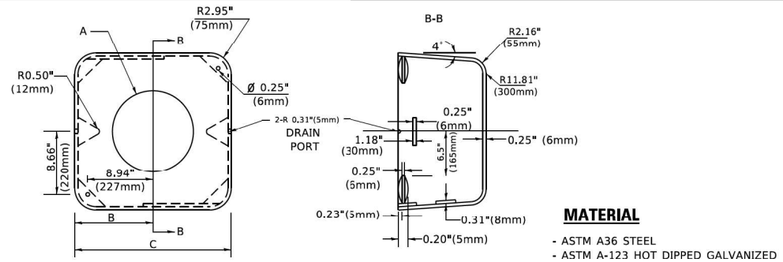
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL

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

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

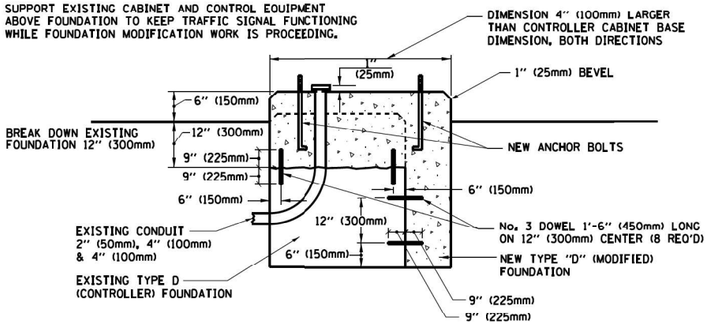
SHROUD

NOTES:

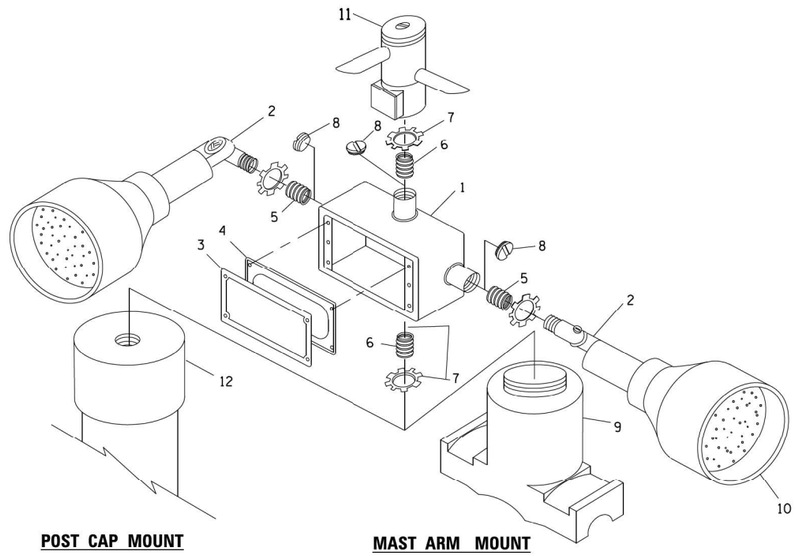
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



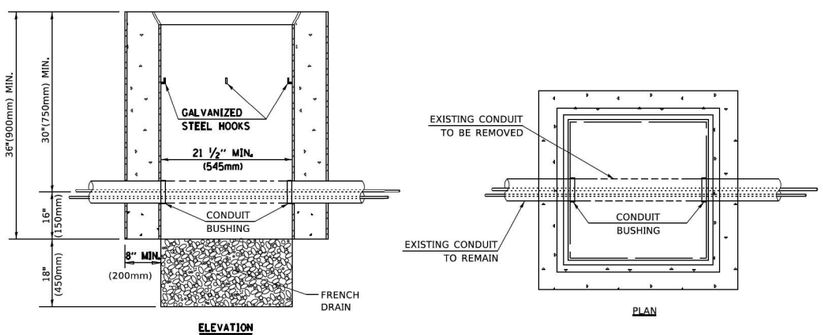
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	½"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 7

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

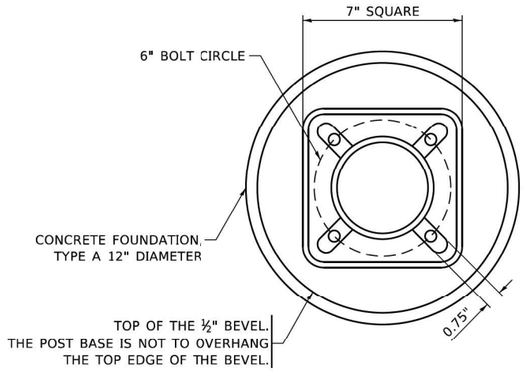
USER NAME = rojelen	DESIGNED - GG	REVISED -	
	DRAWN - GG	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/4/2019	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

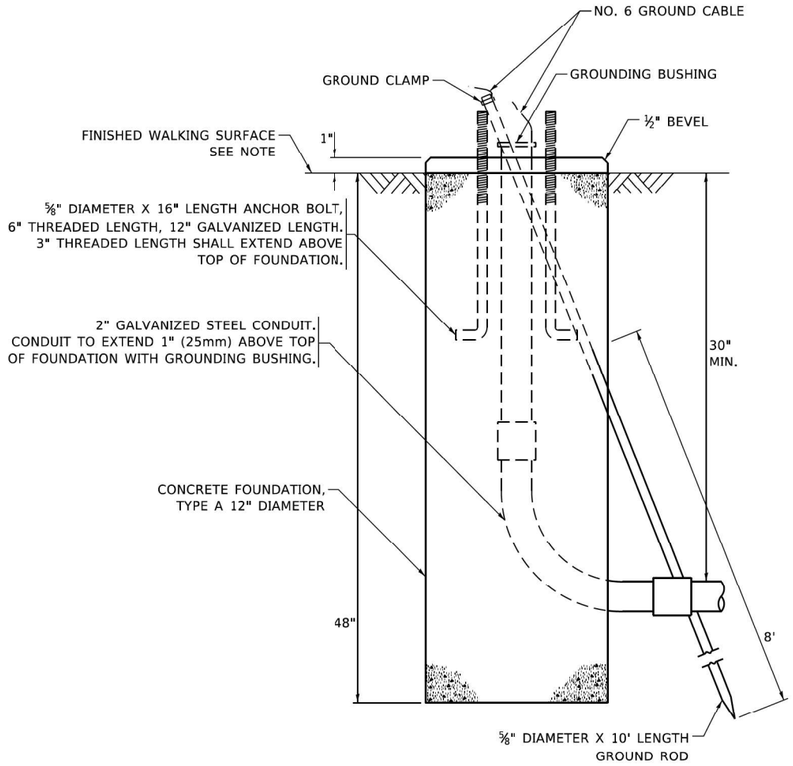
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	233
	TS-05	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



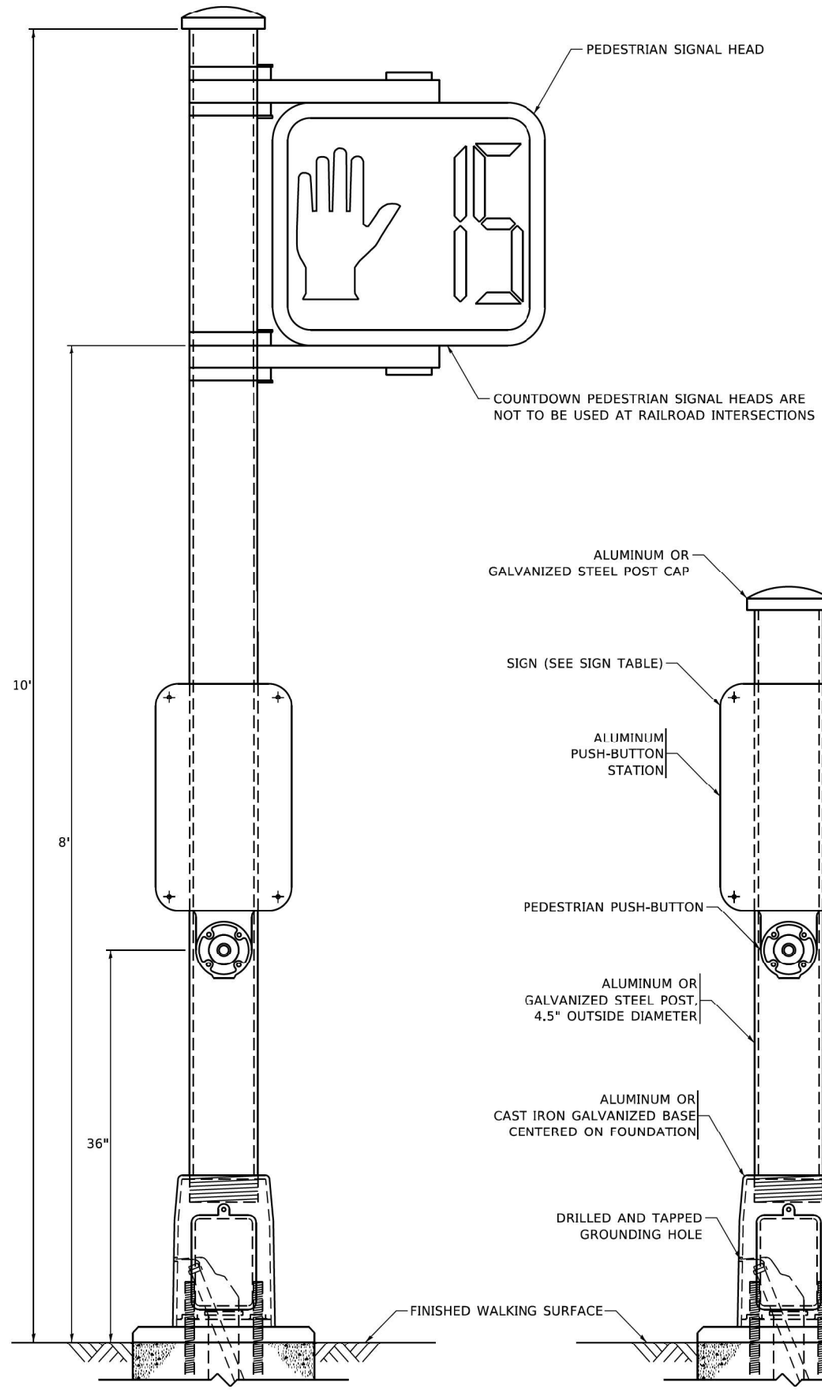
BOLT PATTERN

NOTE:

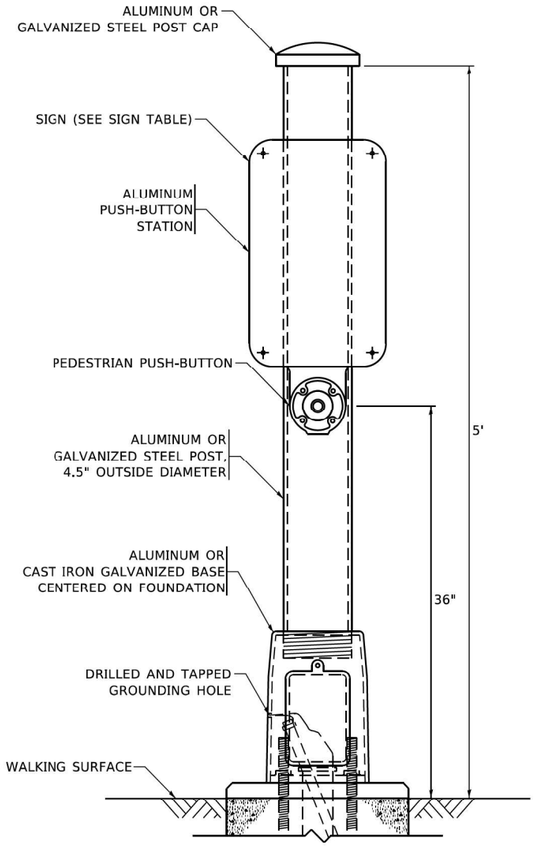
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



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. 8

MODEL: D:\62f11-sht-sinpf-0023
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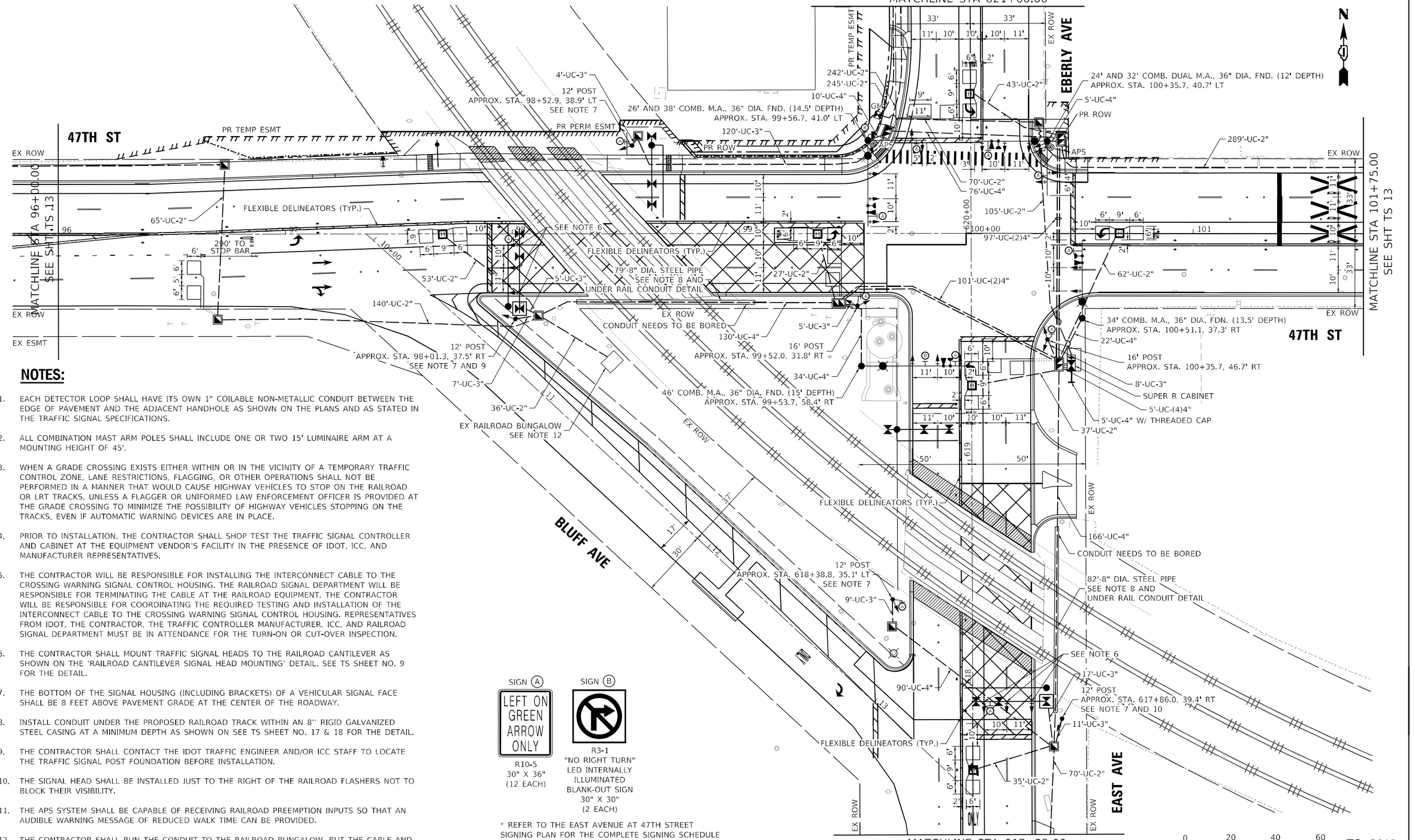
	DRAWN - DPG	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - CPG	REVISED -	
PLOT DATE = 10/23/2020	DATE - 10/15/2018	REVISED -	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	234
	TS–05	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL COMBINATION MAST ARM POLES SHALL INCLUDE ONE OR TWO 15' LUMINAIRE ARM AT A MOUNTING HEIGHT OF 45'.
3. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.
4. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SHOP TEST THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT THE EQUIPMENT VENDOR'S FACILITY IN THE PRESENCE OF IDOT, ICC, AND MANUFACTURER REPRESENTATIVES.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THE INTERCONNECT CABLE TO THE CROSSING WARNING SIGNAL CONTROL HOUSING. THE RAILROAD SIGNAL DEPARTMENT WILL BE RESPONSIBLE FOR TERMINATING THE CABLE AT THE RAILROAD EQUIPMENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE REQUIRED TESTING AND INSTALLATION OF THE INTERCONNECT CABLE TO THE CROSSING WARNING SIGNAL CONTROL HOUSING. REPRESENTATIVES FROM IDOT, THE CONTRACTOR, THE TRAFFIC CONTROLLER MANUFACTURER, ICC, AND RAILROAD SIGNAL DEPARTMENT MUST BE IN ATTENDANCE FOR THE TURN-ON OR CUT-OVER INSPECTION.
6. THE CONTRACTOR SHALL MOUNT TRAFFIC SIGNAL HEADS TO THE RAILROAD CANTILEVER AS SHOWN ON THE 'RAILROAD CANTILEVER SIGNAL HEAD MOUNTING' DETAIL. SEE TS SHEET NO. 9 FOR THE DETAIL.
7. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE SHALL BE 8 FEET ABOVE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
8. INSTALL CONDUIT UNDER THE PROPOSED RAILROAD TRACK WITHIN AN 8'' RIGID GALVANIZED STEEL CASING AT A MINIMUM DEPTH AS SHOWN ON SEE TS SHEET NO. 17 & 18 FOR THE DETAIL.
9. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC ENGINEER AND/OR ICC STAFF TO LOCATE THE TRAFFIC SIGNAL POST FOUNDATION BEFORE INSTALLATION.
10. THE SIGNAL HEAD SHALL BE INSTALLED JUST TO THE RIGHT OF THE RAILROAD FLASHERS NOT TO BLOCK THEIR VISIBILITY.
11. THE APS SYSTEM SHALL BE CAPABLE OF RECEIVING RAILROAD PREEMPTION INPUTS SO THAT AN AUDIBLE WARNING MESSAGE OF REDUCED WALK TIME CAN BE PROVIDED.
12. THE CONTRACTOR SHALL RUN THE CONDUIT TO THE RAILROAD BUNGALOW, BUT THE CABLE AND OTHER TERMINATION FROM THE RAILROAD BUNGALOW SHALL BE DONE BY THE OHTERS (RAILROAD COMPANY).

TS SHT NO. 9

MODEL: D162F11-sht-sheet004
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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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	DRAWN - GG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

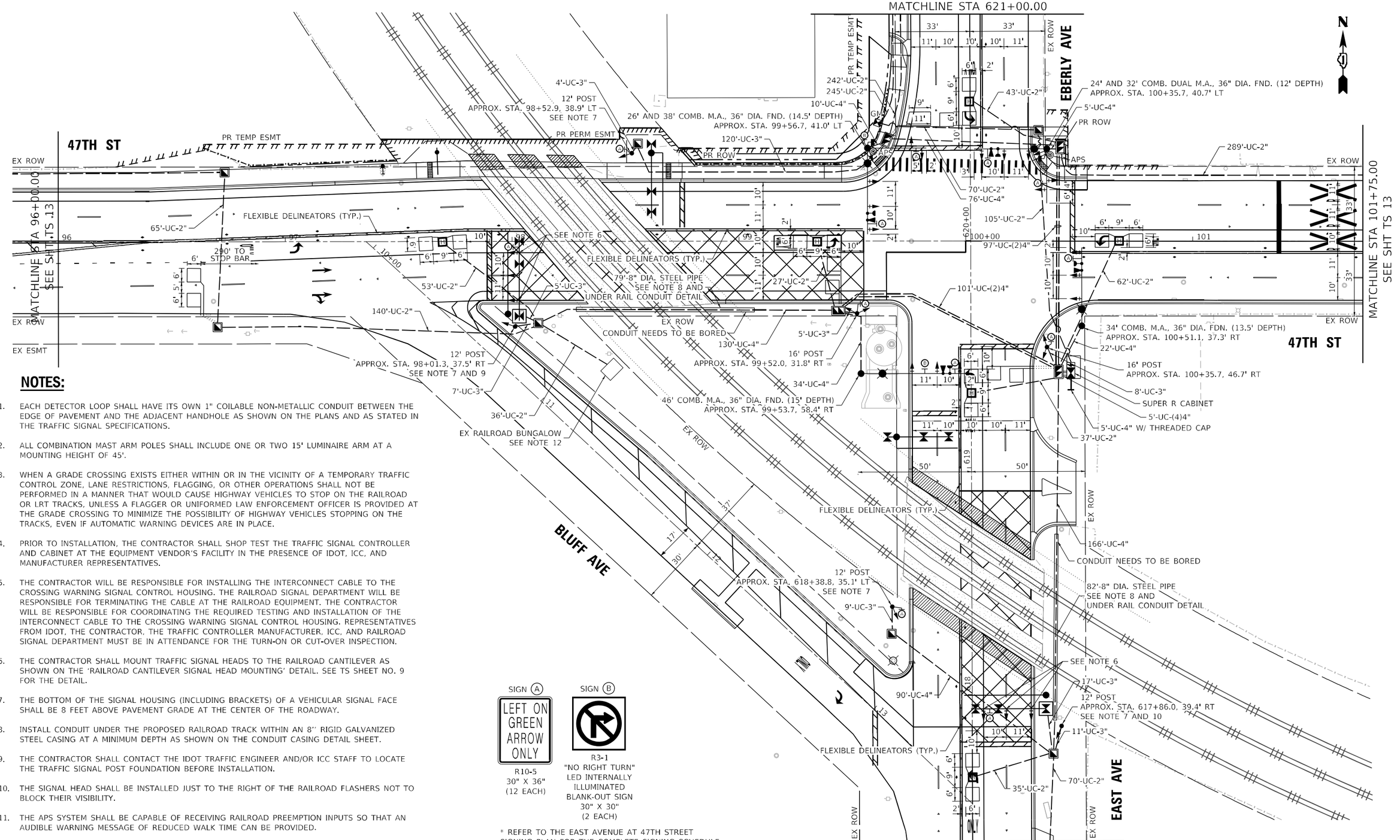
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2)
EAST AVENUE AT 47TH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	235
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

TS 3812
EAGLE 2B



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL COMBINATION MAST ARM POLES SHALL INCLUDE ONE OR TWO 15' LUMINAIRE ARM AT A MOUNTING HEIGHT OF 45'.
3. WHEN A GRADE CROSSING EXISTS EITHER WITHIN OR IN THE VICINITY OF A TEMPORARY TRAFFIC CONTROL ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT BE PERFORMED IN A MANNER THAT WOULD CAUSE HIGHWAY VEHICLES TO STOP ON THE RAILROAD OR LRT TRACKS, UNLESS A FLAGGER OR UNIFORMED LAW ENFORCEMENT OFFICER IS PROVIDED AT THE GRADE CROSSING TO MINIMIZE THE POSSIBILITY OF HIGHWAY VEHICLES STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.
4. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SHOP TEST THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT THE EQUIPMENT VENDOR'S FACILITY IN THE PRESENCE OF IDOT, ICC, AND MANUFACTURER REPRESENTATIVES.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THE INTERCONNECT CABLE TO THE CROSSING WARNING SIGNAL CONTROL HOUSING. THE RAILROAD SIGNAL DEPARTMENT WILL BE RESPONSIBLE FOR TERMINATING THE CABLE AT THE RAILROAD EQUIPMENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE REQUIRED TESTING AND INSTALLATION OF THE INTERCONNECT CABLE TO THE CROSSING WARNING SIGNAL CONTROL HOUSING. REPRESENTATIVES FROM IDOT, THE CONTRACTOR, THE TRAFFIC CONTROLLER MANUFACTURER, ICC, AND RAILROAD SIGNAL DEPARTMENT MUST BE IN ATTENDANCE FOR THE TURN-ON OR CUT-OVER INSPECTION.
6. THE CONTRACTOR SHALL MOUNT TRAFFIC SIGNAL HEADS TO THE RAILROAD CANTILEVER AS SHOWN ON THE 'RAILROAD CANTILEVER SIGNAL HEAD MOUNTING' DETAIL. SEE TS SHEET NO. 9 FOR THE DETAIL.
7. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE SHALL BE 8 FEET ABOVE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
8. INSTALL CONDUIT UNDER THE PROPOSED RAILROAD TRACK WITHIN AN 8'' RIGID GALVANIZED STEEL CASING AT A MINIMUM DEPTH AS SHOWN ON THE CONDUIT CASING DETAIL SHEET.
9. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC ENGINEER AND/OR ICC STAFF TO LOCATE THE TRAFFIC SIGNAL POST FOUNDATION BEFORE INSTALLATION.
10. THE SIGNAL HEAD SHALL BE INSTALLED JUST TO THE RIGHT OF THE RAILROAD FLASHERS NOT TO BLOCK THEIR VISIBILITY.
11. THE APS SYSTEM SHALL BE CAPABLE OF RECEIVING RAILROAD PREEMPTION INPUTS SO THAT AN AUDIBLE WARNING MESSAGE OF REDUCED WALK TIME CAN BE PROVIDED.
12. THE CONTRACTOR SHALL RUN THE CONDUIT TO THE RAILROAD BUNGALOW, BUT THE CABLE AND OTHER TERMINATION FROM THE RAILROAD BUNGALOW SHALL BE DONE BY THE OHTERS (RAILROAD COMPANY).

SIGN (A)

R10-5
30" X 36"
(12 EACH)

SIGN (B)

R3-1
"NO RIGHT TURN"
LED INTERNALLY
ILLUMINATED
BLANK-OUT SIGN
30" X 30"
(2 EACH)

* REFER TO THE EAST AVENUE AT 47TH STREET SIGNING PLAN FOR THE COMPLETE SIGNING SCHEDULE

SCALE IN FEET: 0 20 40 60

TS 3812
EAGLE 2B

TS SHT NO. 10

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SINGH + ASSOCIATES, INC.
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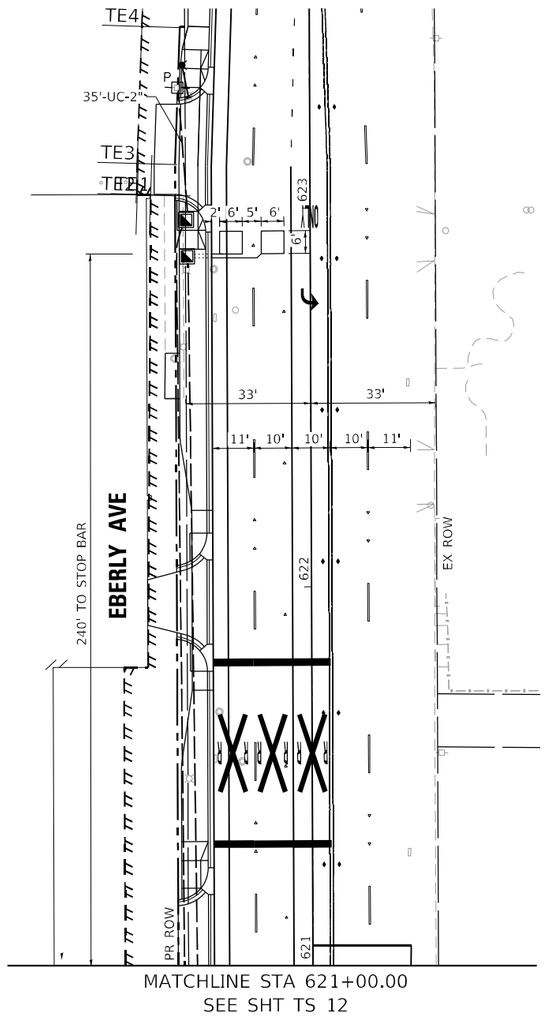
	DRAWN - GG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2)
EAST AVENUE AT 47TH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	236
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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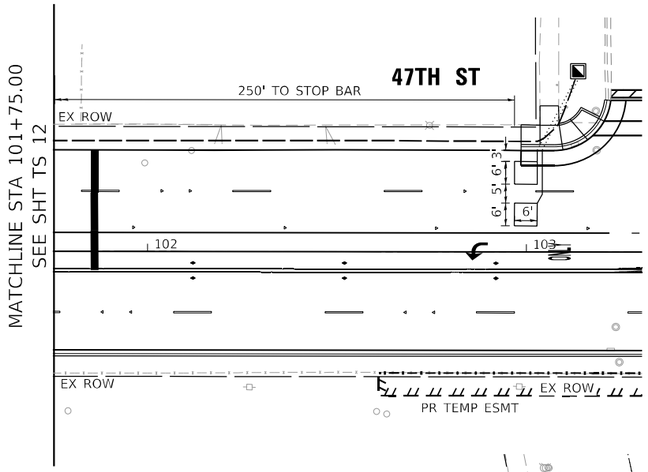

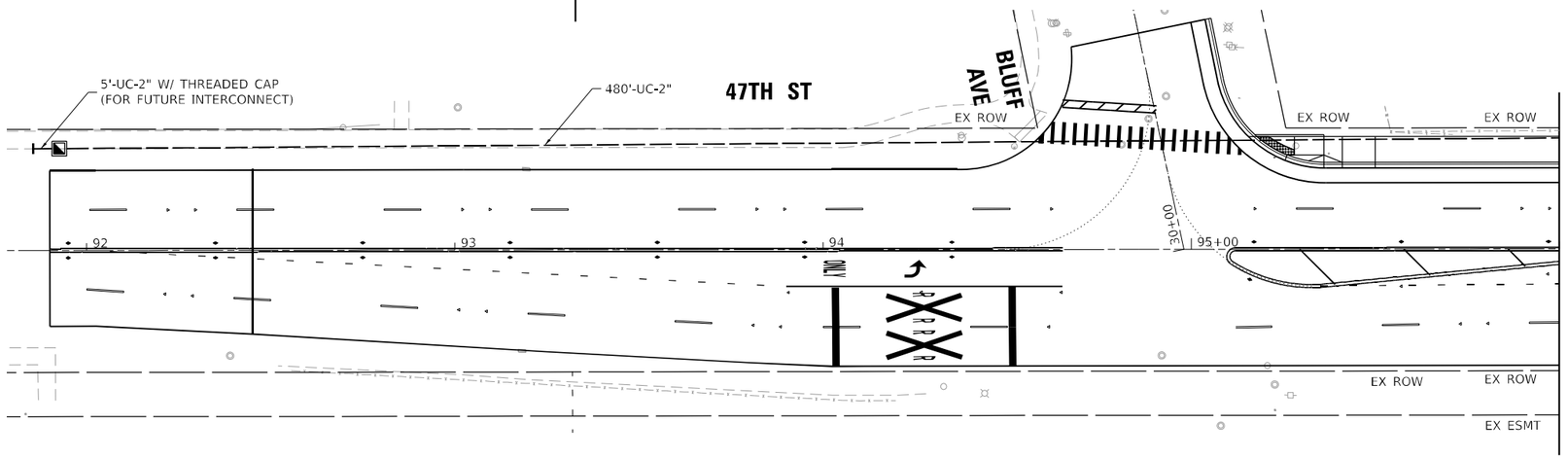

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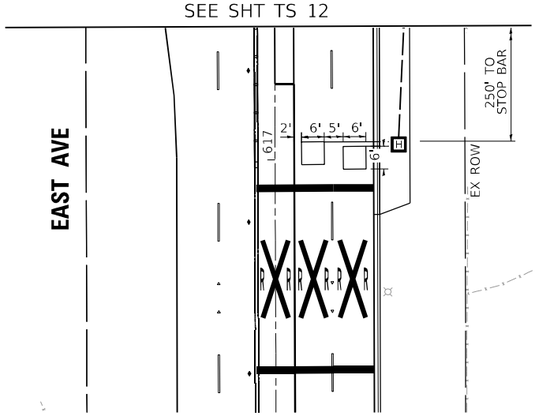

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SCALE IN FEET

TS 3812
EAGLE 2B

TS SHT NO. 11

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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	DRAWN - GG	REVISED -
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PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

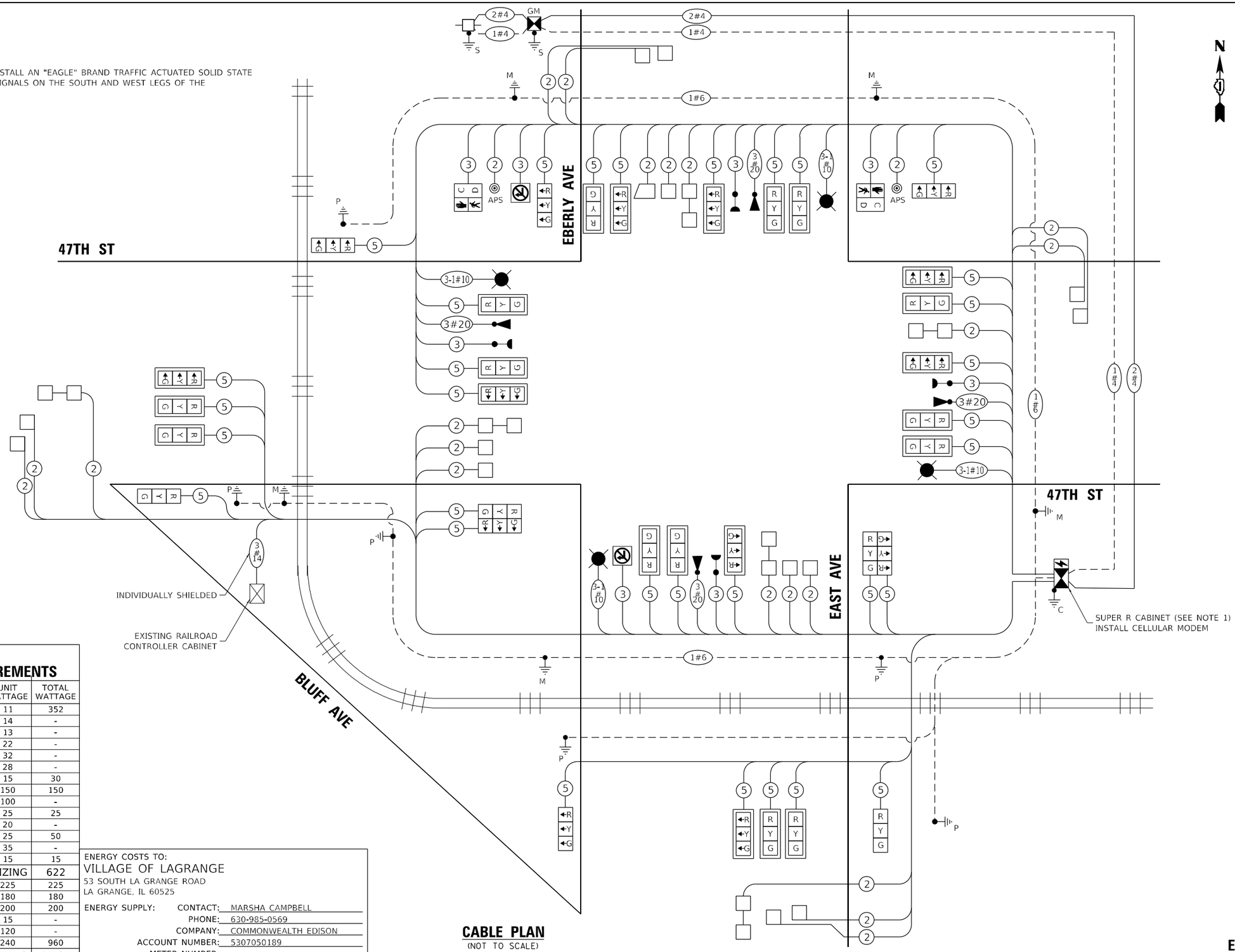
TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 2)
EAST AVENUE AT 47TH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	237
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

NOTE:

1. CONTRACTOR SHALL FURNISH AND INSTALL AN "EAGLE" BRAND TRAFFIC ACTUATED SOLID STATE CONTROLLER TO ACCOMODATE PRE-SIGNALS ON THE SOUTH AND WEST LEGS OF THE INTERSECTION.



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	32	11	352
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	2	25	50
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			622
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2,187

ENERGY COSTS TO:
VILLAGE OF LAGRANGE
53 SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525

ENERGY SUPPLY: CONTACT: MARSHA CAMPBELL
PHONE: 630-985-0569
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 5307050189
METER NUMBER:

TS SHT NO. 12

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CONSULTING ENGINEERS

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PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
EAST AVENUE AT 47TH STREET

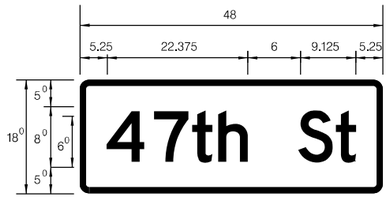
SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	238
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

TS 3812
EAGLE 2B

SIGN PANEL - TYPE 1

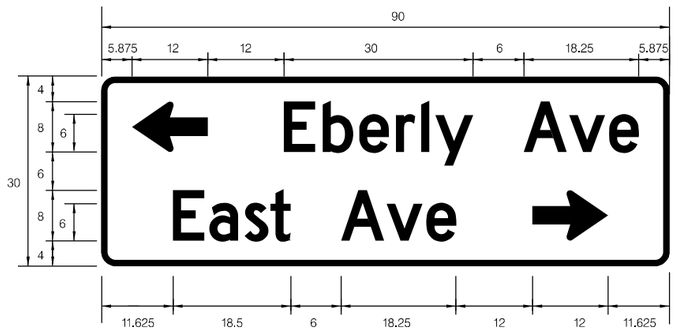
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



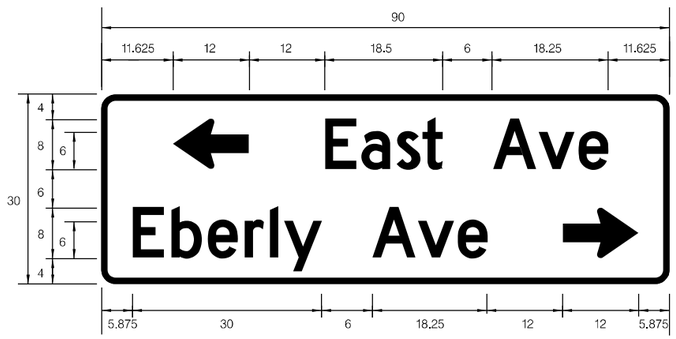
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6	1	ZZ	2

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	18.75	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.75	2	ZZ	1

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY.
	SIGN PANEL - TYPE 1	SQ FT	12
	SIGN PANEL - TYPE 2	SQ FT	38
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,487
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	186
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	954
	HANDHOLE	EACH	8
	HEAVY-DUTY HANDHOLE	EACH	7
	DOUBLE HANDHOLE	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	374
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,258
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6,467
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,991
	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	315
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	505
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,921
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	4
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 32 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 38 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	28
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	22
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22
	INDUCTIVE LOOP DETECTOR	EACH	20
	DETECTOR LOOP, TYPE I	FOOT	885
*	LIGHT DETECTOR	EACH	4
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	ILLUMINATED SIGN, LED	EACH	2
	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
	STEEL CASINGS 8"	FOOT	195
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	778
	CELLULAR MODEM	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	COMBINATION LIGHTING CONTROLLER	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2

* 100% COST TO THE VILLAGE OF LAGRANGE

TS 3812

TS SHT NO. 13

MODEL: D162F11-sht-sIngP-004
FILE NAME: \\G01\Projects\17-66004 - CADD\CADD Sheets\D162F11-sht-ts-013.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - GG	REVISED -	
	DRAWN - GG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
EAST AVENUE AT 47TH STREET

SCALE: NTS | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	239
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

PROPOSED SEQUENCE OF OPERATION

MOVEMENT		5 5 1	6 1	5 5 2 2	2 2 6	7 3 3 3	3 8 3 8
PHASE		1+5	1+6	2+5	2+6	3+7	3+8
INTERVAL		1 2A 2B 2C 2D 3A 3B 4A 4B 4C 4D	5 6 7A 7B	8 9A 9B 9C 9D	10 11 12A 12B 12C 12D 13A 13B 13C 13D 14A 14B	15 16A 16B 16B 16D 17A 17B 18A 18B 18C 18D	19 20A 20B 20C 20D 21A 21B 21C 21D
CHANGE TO		/ 1+6 2+5 2+6	θ θ 2+6	/ 2+6	θ θ 1+5 3+7 4+7 3+8 4+8 1+6 2+5	/ 1+5 1+6 2+5 2+6 4+8 3+8 4+7	/ 1+5 1+6 2+5 2+6 4+8
47TH ST (EAST OF TRACKS) E/B END MAST ARM AND FAR LEFT SIGNALS		G G G Y R G G G G Y R	R R R R	G G G Y R	R R R R R R R R R R R R R R	R R R R R R R R R R R	R R R R R R R R R
47TH ST (EAST OF TRACKS) E/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R R R R R R R	R R R R	G G G G G	G G G G Y R G G Y R G G	R R R R R R R R R R R	R R R R R R R R R
47TH ST (WEST & JUST EAST OF TRACKS) E/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS		G Y R R R G G Y R R R	R R R R	G Y R R R	R R R R R R R R R R R R R R	R R R R R R R R R R R	R R R R R R R R R
47TH ST (WEST OF TRACKS) E/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS		R R R R R R R R R R R	R R R R	G G G G G	G G Y R R R Y R R R G G	R R R R R R R R R R R	R R R R R R R R R
47TH ST W/B END MAST ARM AND FAR LEFT SIGNALS		G G G G G Y R G G Y R	G G Y R	R R R R R	R R R R R R R R R R R R	R R R R R R R R R R R	R R R R R R R R R
47TH ST W/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R R R R R R R	G G G G	R R R R R	G G G G Y R G G G G Y R	R R R R R R R R R R R	R R R R R R R R R
EAST AVE (NORTH OF TRACKS) N/B END MAST ARM AND FAR LEFT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	G G G Y R G G G G Y R	G G G Y R G G Y R
EAST AVE (NORTH OF TRACKS) N/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	R R R R R R R R R R R	G G G Y R G G G G
EAST AVE (SOUTH OF TRACKS) N/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	G Y R R R G G Y R R R	G Y R R R Y R R R
EAST AVE (SOUTH OF TRACKS) N/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	R R R R R R R R R R R	G Y R R R G G G G
EBERLY AVE S/B END MAST ARM AND FAR LEFT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	G G G Y R Y R G G G G	R R R R R R R R R
EBERLY AVE S/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R R R R R R R	R R R R	R R R R R	R R R R R R R R R R R R	R R R R R R R R R R R	R R R R R R R R R
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST		H H H H H H H H H H H	* P ** FH H H	H H H H H	* P ** FH H H H H H H H H H H	H H H H H H H H H H H	H H H H H H H H H

MOVEMENT		4 7	4 8 8	FLASH
PHASE		4+7	4+8	
INTERVAL		22 23A 23B 24A 24B	25 26A 26B 26C 26D	
CHANGE TO		/ 1+5 1+6 2+5 2+6 4+8	/ 1+5 1+6 2+5 2+6	
47TH ST (EAST OF TRACKS) END MAST ARM AND FAR LEFT SIGNALS		R R R R R	R R R R R	R
47TH ST (EAST OF TRACKS) MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R	R R R R R	R
47TH ST (WEST & JUST EAST OF TRACKS) END OF CANTILEVER ARM AND FAR LEFT SIGNALS		R R R R R	R R R R R	R
47TH ST (WEST OF TRACKS) MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS		R R R R R	R R R R R	R
47TH ST END MAST ARM AND FAR LEFT SIGNALS		R R R R R	R R R R R	R
47TH ST MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R	R R R R R	R
EAST AVE (NORTH OF TRACKS) END MAST ARM AND FAR LEFT SIGNALS		R R R R R	R R R R R	R
EAST AVE (NORTH OF TRACKS) MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		R R R R R	G G G Y R	R
EAST AVE (SOUTH OF TRACKS) END OF CANTILEVER ARM AND FAR LEFT SIGNALS		R R R R R	R R R R R	R
EAST AVE (SOUTH OF TRACKS) MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS		R R R R R	G Y R R R	R
EBERLY AVE END MAST ARM AND FAR LEFT SIGNALS		G Y R R R	R R R R R	R
EBERLY AVE MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS		G Y R G G	G G G Y R	R
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST		H H H H H	H H H H H	D

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

** FLASHING "Don't Walk" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

θ THIS "Don't Walk" OR FLASHING "Don't Walk" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT-ARROW TIMW IS NOT SUFFICIENT TO COMPELTE "Don't Walk" OR FLASHING " " INTERVALS.
"Don't Walk" AND FLASHING "Don't Walk" TIMINGS TO BE SET ONLY ON PHASES WHERE "Don't Walk" AND FLASHING "Don't Walk" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK
D = DARK

PHASE 2+6 SHALL BE PLACED ON RECALL.

FOR POSSIBLE FUTURE USE OF THE TRAFFIC SIGNAL SEQUENCE, AN ALTERNATIVE SECOND SEQUENCE DESIGN SHALL BE TESTED WITH THE VENDOR THAT ACCOUNTS FOR A SPLIT PHASE OPERATIONS IN THE EAST/WEST DIRECTIONS AS PART OF THE SIGNAL DESIGN.

TS 3812

TS SHT NO. 14

MODEL: D162F11-sht-sheprf-004
FILE NAME: \\fs01\Projects\1716604_CAD\CADD_Sheets\D162F11-sht-ts-014.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - GG	REVISED -	
	DRAWN - GG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SEQUENCE OF OPERATION
EAST AVENUE AT 47TH STREET

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	240
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		8		10		13				17					20		23			
CHANGE FROM EMERGERNCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	1L	1M	2	1P	1Q	1R	2	1T	2	1V	1W	1X	2
47TH ST (EAST OF TRACKS) E/B END MAST ARM AND FAR LEFT SIGNALS	←G	←G	←R	←R	←G	←G	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
47TH ST (EAST OF TRACKS) E/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R
47TH ST (WEST & JUST EAST OF TRACKS) E/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
47TH ST (WEST OF TRACKS) E/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
47TH ST W/B END MAST ARM AND FAR LEFT SIGNALS	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
47TH ST W/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
EAST AVE (NORTH OF TRACKS) N/B END MAST ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←R	←R	←R	←R	←G	←G	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R
EAST AVE (NORTH OF TRACKS) N/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	G	G	Y	R
EAST AVE (SOUTH OF TRACKS) N/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R
EAST AVE (SOUTH OF TRACKS) N/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R
EBERLY AVE S/B END MAST ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R
EBERLY AVE S/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST	H	H	* FH	H	H	H	* FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT

	PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 5		PREEMPTOR NUMBER 6				PREEMPTOR NUMBER 2							
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																		
CHANGE FROM EMERGERNCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2		3		4		5											
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	2	3	4	5	6	7	8	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1Z	2	1BB	2	1DD	2	1FF	1GG	1HH	2	3	4	5	6	7	8		
47TH ST (EAST OF TRACKS) E/B END MAST ARM AND FAR LEFT SIGNALS	←G	←G	←R	←R	←R	←R	←R	←R	←R	←R	←G	←Y	←R	←R	←R	←R	←R	◊
47TH ST (EAST OF TRACKS) E/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	G	G	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	◊
47TH ST (WEST & JUST EAST OF TRACKS) E/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	◊
47TH ST (WEST OF TRACKS) E/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◊
47TH ST W/B END MAST ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	◊
47TH ST W/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	◊
EAST AVE (NORTH OF TRACKS) N/B END MAST ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←R	←R	←G	←G	←Y	←R	←R	←R	←R	←G	←Y	←R	←R	◊
EAST AVE (NORTH OF TRACKS) N/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	G	G	Y	R	R	R	R	G	Y	R	R	◊
EAST AVE (SOUTH OF TRACKS) N/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	◊
EAST AVE (SOUTH OF TRACKS) N/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	◊
EBERLY AVE S/B END MAST ARM AND FAR LEFT SIGNALS	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	◊
EBERLY AVE S/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◊
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	◊
																	HOLD	

* DURING RAILROAD PREEMPTION, THE APS SYSTEM IS TO PLAY A VERBAL MESSAGE ABOUT SHORTENED WALK TIMES.

◊ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 8 IS TERMINATED

NRT = "NO RIGHT TURN' OR

TS 3812

TS SHT NO. 15

MODEL: D162F11-sht-plnprf-004
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-ts-015.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - GG	REVISED -
	DRAWN - GG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD PREEMPTION SEQUENCE OF OPERATION
EAST AVENUE AT 47TH STREET

SCALE: NTS | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	241
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1				1				5			5	8	8				10			10					10				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1AB	1AC	1AD	1AE	1AF	1AG	1AH
CHANGE TO EMERGERNCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	1E	1F	3 OR 5	1H	1J	1K	4	1M	1N	2,3 OR 5	4	2	1S	1T	1U	3,4 OR 5	1W	1X	2	1Z	1AA	1AB	1AC	3 OR 5	1AE	1AF	1AG	1AH	4
47TH ST (EAST OF TRACKS) E/B END MAST ARM AND FAR LEFT SIGNALS	◄-G	◄-G	◄-G	◄-G	◄-Y	◄-R	◄-G	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-G	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
47TH ST (EAST OF TRACKS) E/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	Y	R
47TH ST (WEST & JUST EAST OF TRACKS) E/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	◄-G	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-Y	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
47TH ST (WEST OF TRACKS) E/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	G	Y	R	R	R	G	Y	R	R	R
47TH ST W/B END MAST ARM AND FAR LEFT SIGNALS	◄-Y	◄-R	◄-Y	◄-R	◄-R	◄-R	◄-G	◄-G	◄-G	◄-G	◄-G	◄-Y	◄-R	◄-G	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
47TH ST W/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	G	G	G	G
EAST AVE (NORTH OF TRACKS) N/B END MAST ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
EAST AVE (NORTH OF TRACKS) N/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
EAST AVE (SOUTH OF TRACKS) N/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
EAST AVE (SOUTH OF TRACKS) N/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
EBERLY AVE S/B END MAST ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R
EBERLY AVE S/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	FH	H	H	FH	H	H	H	H	FH	H	H	H	H

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	13				13				13		17				17	20		20	23				23				23		PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1AJ	1AK	1AL	1AM	1AN	1AP	1AQ	1AR	1AS	1AT	1AU	1AV	1AW	1AX	1AY	1AZ	1BA	1BB	1BC	1BD	1BE	1BF	1BG	1BH	1BJ	1BK	1BL	1BM	2	3	4	5	
CHANGE TO EMERGERNCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1AK	1AL	1AM	2 OR 4	1AP	1AQ	1AR	3	1AT	5	1AV	1AW	1AX	2,3 OR 4	5	1BA	2,4 OR 5	3	1BD	1BE	1BF	2 OR 4	1BH	1BJ	1BK	3	1BM	5					
47TH ST (EAST OF TRACKS) E/B END MAST ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-R	◄-R	◄-R	Δ
47TH ST (EAST OF TRACKS) E/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	Δ
47TH ST (WEST & JUST EAST OF TRACKS) E/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-R	◄-R	◄-R	Δ
47TH ST (WEST OF TRACKS) E/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	Δ
47TH ST W/B END MAST ARM AND FAR LEFT SIGNALS	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-R	Δ
47TH ST W/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	Δ
EAST AVE (NORTH OF TRACKS) N/B END MAST ARM AND FAR LEFT SIGNALS	◄-G	◄-G	◄-Y	◄-R	◄-G	◄-G	◄-Y	◄-R	◄-G	◄-G	◄-G	◄-G	◄-Y	◄-R	◄-G	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	Δ
EAST AVE (NORTH OF TRACKS) N/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	R	R	R	G	G	Y	R	G	G	Y	R	G	G	R	R	R	G	Δ
EAST AVE (SOUTH OF TRACKS) N/B END OF CANTILEVER ARM AND FAR LEFT SIGNALS	◄-Y	◄-R	◄-R	◄-R	◄-Y	◄-R	◄-R	◄-R	◄-G	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-G	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	Δ
EAST AVE (SOUTH OF TRACKS) N/B MID AND RIGHT CANTILEVER & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	G	R	R	R	Y	R	R	R	Y	R	R	R	G	G	R	R	R	G	Δ
EBERLY AVE S/B END MAST ARM AND FAR LEFT SIGNALS	◄-Y	◄-R	◄-R	◄-R	◄-G	◄-G	◄-G	◄-G	◄-Y	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-Y	◄-R	◄-G	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-R	◄-G	◄-R	◄-R	Δ
EBERLY AVE S/B MID AND RIGHT MAST ARM & NEAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	G	Y	R	G	G	G	G	Y	R	R	G	R	R	Δ
PEDESTRIAN SIGNALS CROSSING EBERLY AVE ON NORTH SIDE OF 47TH ST	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ

Δ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2, 3, 4, OR 5 IS TERMINATED.

TS 3812

TS SHT NO. 16

MODEL: D162F11-sht-sheet-504
FILE NAME: \\fs01\Projects\17166\04_CADD\CADD_Sheets\D162F11-sht-ts-016.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - GG	REVISED -
	DRAWN - GG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

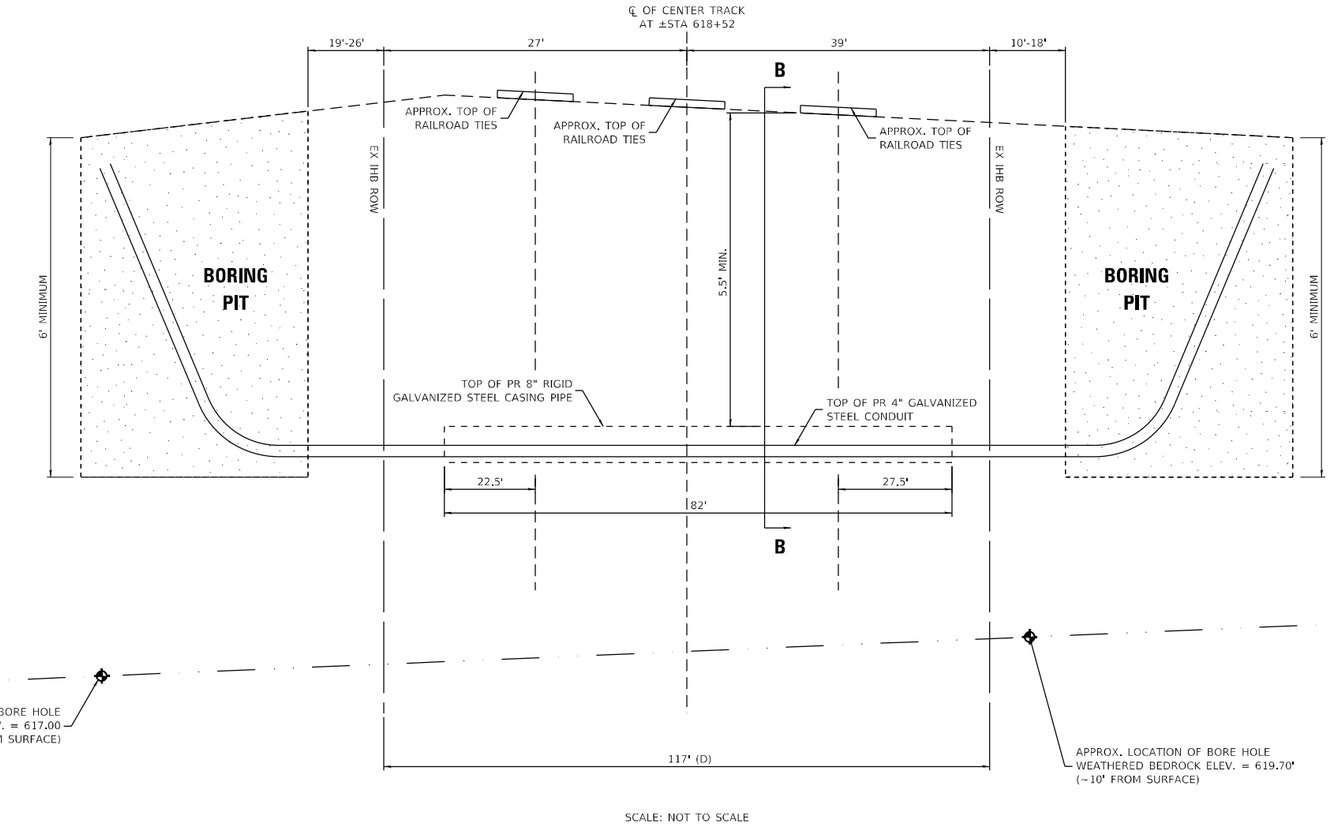
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
EAST AVENUE AT 47TH STREET

SCALE: NTS | SHEET OF SHEETS | STA. | TO STA.

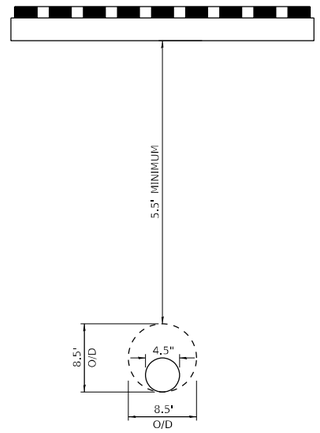
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	242
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

RAILROAD TRACKS CROSSING
INDIANA HARBOR RAILROAD (IHB) RAILROAD AT EAST AVENUE
PROPOSED CONDUIT CROSSING



SCALE: NOT TO SCALE

SECTION B–B
(FACING NORTH)



LEGEND

LETTER	DESCRIPTION
(A)	DISTANCE FROM CENTERLINE OF TRACK(S) TO IHB ROW
(B)	DISTANCE FROM BASE OF RAIL TO TOP OF CASING
(C)	DISTANCE FROM BASE OF DITCH TO TOP OF CASING
(D)	TOTAL LENGTH OF PIPE
(E)	DISTANCE FROM CENTERLINE OF NEAREST TRACK TO FACE OF PIPE AT 90 DEGREE ANGLE TO THE TRACK(S)
(F)	THEORETICAL EMBANKMENT LANE STARTS 12' FROM CENTERLINE OF TRACK AND EXTENDS AWAY FROM TRACK AND EXTENDS AWAY FROM TRACK AT A SLOPE OF 1.5' OVER AND 1' DOWN
(G)	INNERDUCT DIAMETER
(H)	CASING / CONDUIT DIAMETER
(I)	DEPTH OF LAUNCHING AND RECEIVING PIT

IHB PIPELINE SPEC. REFERENCE

WIRE / CABLE DETAILS

TYPE	TRAFFIC SIGNAL UNIT DUCT
CONDUCTOR MATERIALS	☐ ALUMINUM/COPPER ☐ FIBER OPTIC ☒ OTHER
FIBER CABLE COUNT	N/A
WIRE SIZE / PAIR	(5) 5/C#14, (3) LEAD-IN #14 1-Pair, (2) 1/C#6
VOLTAGE	N/A

CARRIER / CASING PIPE DETAILS

PIPE MATERIAL	GALVANIZED STEEL
MATERIAL SPECIFICATION & GRADE	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
SPECIFIED MINIMUM YIELD STRENGTH	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
NOMINAL SIZE OUTSIDE DIAMETER (INCHES)	4" (CONDUIT) / 8" (CASING PIPE)
WALL THICKNESS (INCHES)	0.25" (CONDUIT) / 0.25" (CASING PIPE)
TYPE OF SEAM	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
TYPE OF JOINTS	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
TUNNER LINER PLATES REQUIRED	☐ YES ☒ NO
TEMP. TRACK SUPPORT OR RIPRAP REQUIRED	☐ YES ☒ NO MUST DESCRIBE & SHOW ON DWG

LOCATION	DOT#: 326850T, M.P. 29.97
LATITUDE	41°48'17.53"
LONGITITUDE	-87°51'33.98"
DRAWING NUMBER	
DRAWING DATE	05/06/2022
DRAWING SCALE	NOT TO SCALE

TS SHT NO. 17

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FILE NAME: \\Gdi1\Projects\17166104_CADD\CADD_Sheets\D162F11-sht-ts-017.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - GG	REVISED -
	DRAWN - GG	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

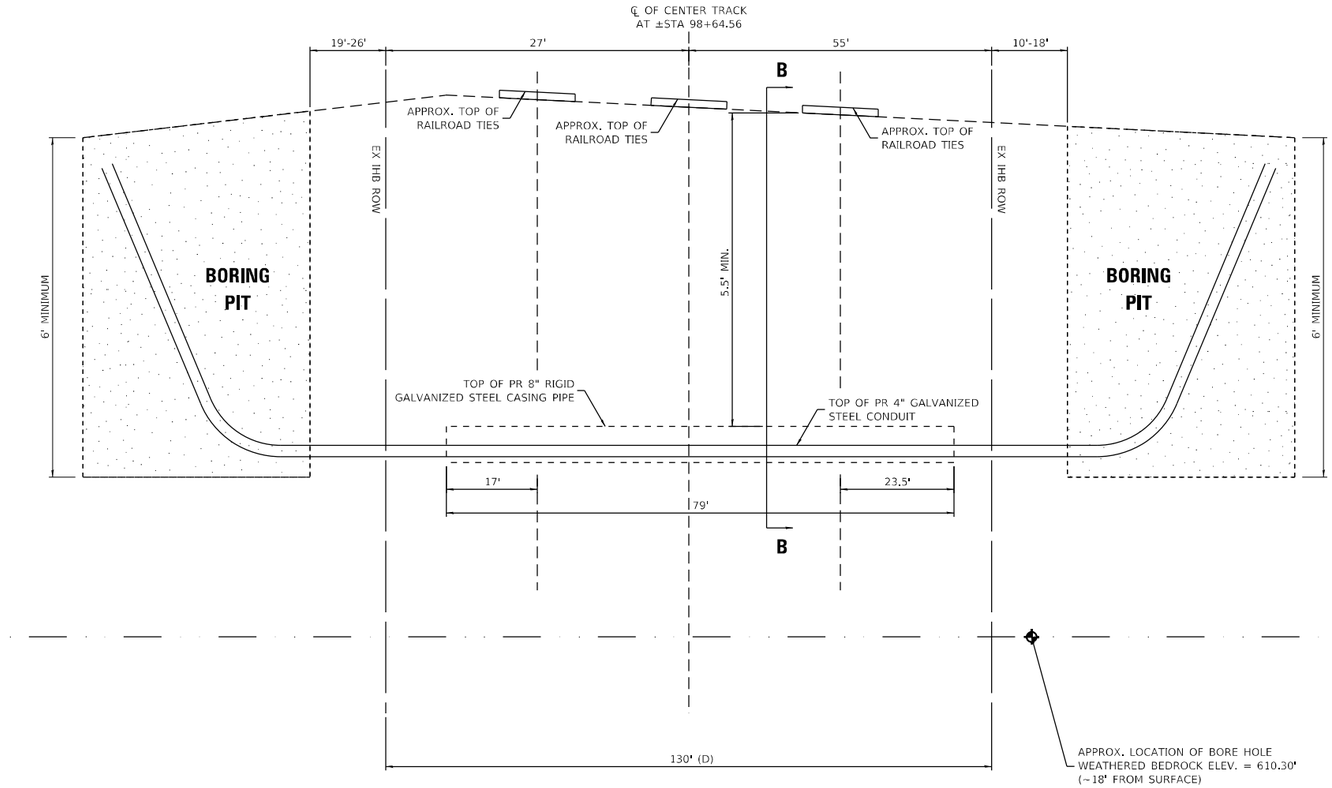
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNDERGROUND CASING PIPE DETAIL

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

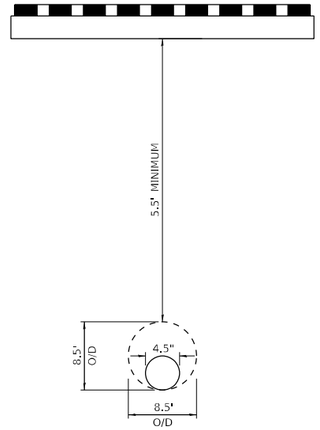
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	243
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

RAILROAD TRACKS CROSSING
INDIANA HARBOR RAILROAD (IHB) RAILROAD AT 47TH STREET
PROPOSED CONDUIT CROSSING



SCALE: NOT TO SCALE

SECTION B–B
(FACING NORTH)



LEGEND

LETTER	DESCRIPTION
(A)	DISTANCE FROM CENTERLINE OF TRACK(S) TO IHB ROW
(B)	DISTANCE FROM BASE OF RAIL TO TOP OF CASING
(C)	DISTANCE FROM BASE OF DITCH TO TOP OF CASING
(D)	TOTAL LENGTH OF PIPE
(E)	DISTANCE FROM CENTERLINE OF NEAREST TRACK TO FACE OF PIPE AT 90 DEGREE ANGLE TO THE TRACK(S)
(F)	THEORETICAL EMBANKMENT LANE STARTS 12' FROM CENTERLINE OF TRACK AND EXTENDS AWAY FROM TRACK AND EXTENDS AWAY FROM TRACK AT A SLOPE OF 1.5' OVER AND 1' DOWN
(G)	INNERDUCT DIAMETER
(H)	CASING / CONDUIT DIAMETER
(I)	DEPTH OF LAUNCHING AND RECEIVING PIT

IHB PIPELINE SPEC. REFERENCE

WIRE / CABLE DETAILS

TYPE	TRAFFIC SIGNAL UNIT DUCT
CONDUCTOR MATERIALS	☐ ALUMINUM/COPPER ☐ FIBER OPTIC ☒ OTHER
FIBER CABLE COUNT	N/A
WIRE SIZE / PAIR	(4) 5/C#14, (3) LEAD-IN #14 1-PAIR, (2) 1/C#6
VOLTAGE	N/A

CARRIER / CASING PIPE DETAILS

PIPE MATERIAL	GALVANIZED STEEL
MATERIAL SPECIFICATION & GRADE	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
SPECIFIED MINIMUM YIELD STRENGTH	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
NOMINAL SIZE OUTSIDE DIAMETER (INCHES)	4" (CONDUIT) / 8" (CASING PIPE)
WALL THICKNESS (INCHES)	0.25" (CONDUIT) / 0.25" (CASING PIPE)
TYPE OF SEAM	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
TYPE OF JOINTS	SEE SECTION 810 / 873 OF IDOT STANDARD SPECIFICATIONS
TUNNER LINER PLATES REQUIRED	☐ YES ☒ NO
TEMP. TRACK SUPPORT OR RIPRAP REQUIRED	☐ YES ☒ NO MUST DESCRIBE & SHOW ON DWG

LOCATION	DOT#: 326851A, M.P. 30.01
LATITUDE	41°48'18.97"
LONGITITUDE	-87°51'36.29"
DRAWING NUMBER	
DRAWING DATE	05/06/2022
DRAWING SCALE	NOT TO SCALE

TS SHT NO. 18

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

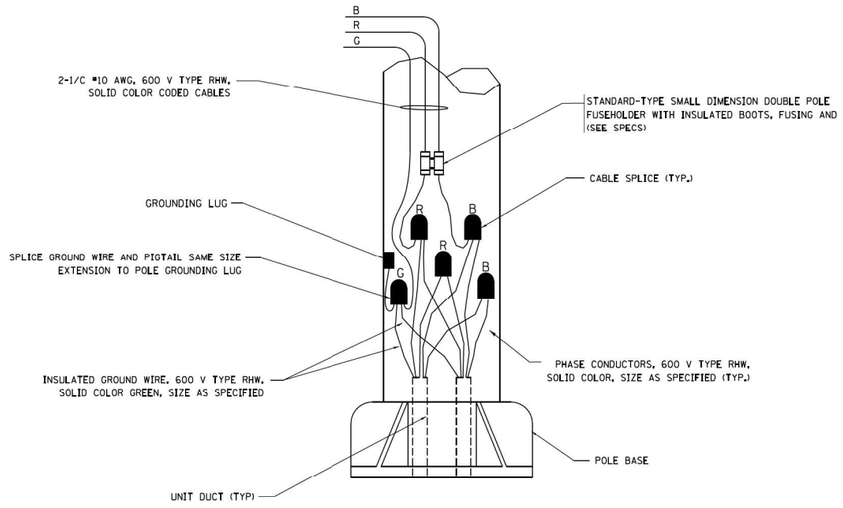
USER NAME = mjablonowska	DESIGNED - GG	REVISED -
	DRAWN - GG	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNDERGROUND CASING PIPE DETAIL

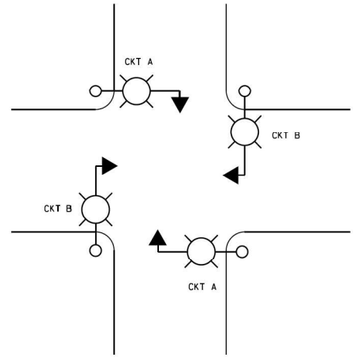
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	244
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)



TYPICAL LIGHTING LAYOUT

(NOT TO SCALE)

PANEL EQUIPMENT

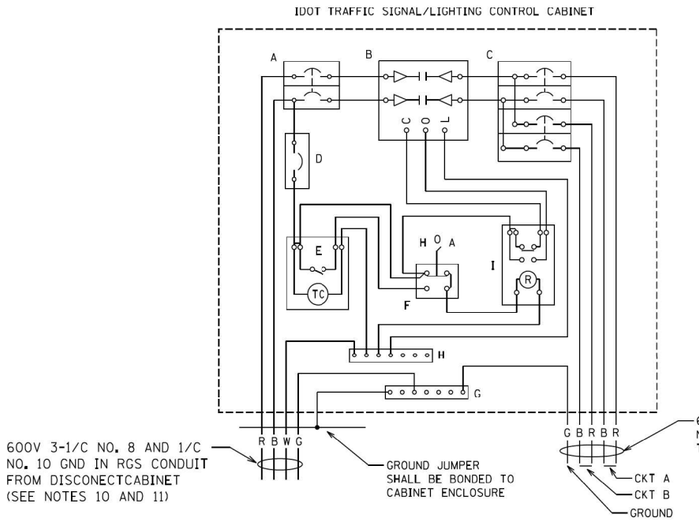
BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMETRICALL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP. FRAME 20 AMP. NON-INTERCHANGABLE TRIP INTERUPTING RATING NEMA 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH]
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL, CURRENT RATING TO BE COORDINATED WITH CONTACTOR

NOTES:

1. ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
2. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
3. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
5. THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY. FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX OR CABINET REFER TO THE RESPECTIVE DETAIL DRAWINGS.
6. COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND DE-ENERGIZE 20 MINUTES AFTER DAWN.
7. COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND LABELS. LIGHTING CONTROLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.
8. ENCLOSURE SHALL BE UNPAINTED, NATURAL ALUMINUM FINISH. SHALL BE U.L. LISTED NEMA TYPE 3R AND SHALL BE 26" X 17" X 15"
9. 12" x 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
10. ELECTRIC SERVICE SHALL BE 120V/240V SERVICE AND SHALL BE A SHARED SERVICE FOR COMBINATION LIGHTING AND TRAFFIC SIGNALS.
11. CONDUIT SIZES TO THE SERVICE DISCONNECT SHALL BE COORDINATED WITH THE SERVICE DISCONNECT DETAILS. REFER TO THE FOLLOWING DETAIL DRAWINGS FOR FOR THE SERVICE DISCONNECT.

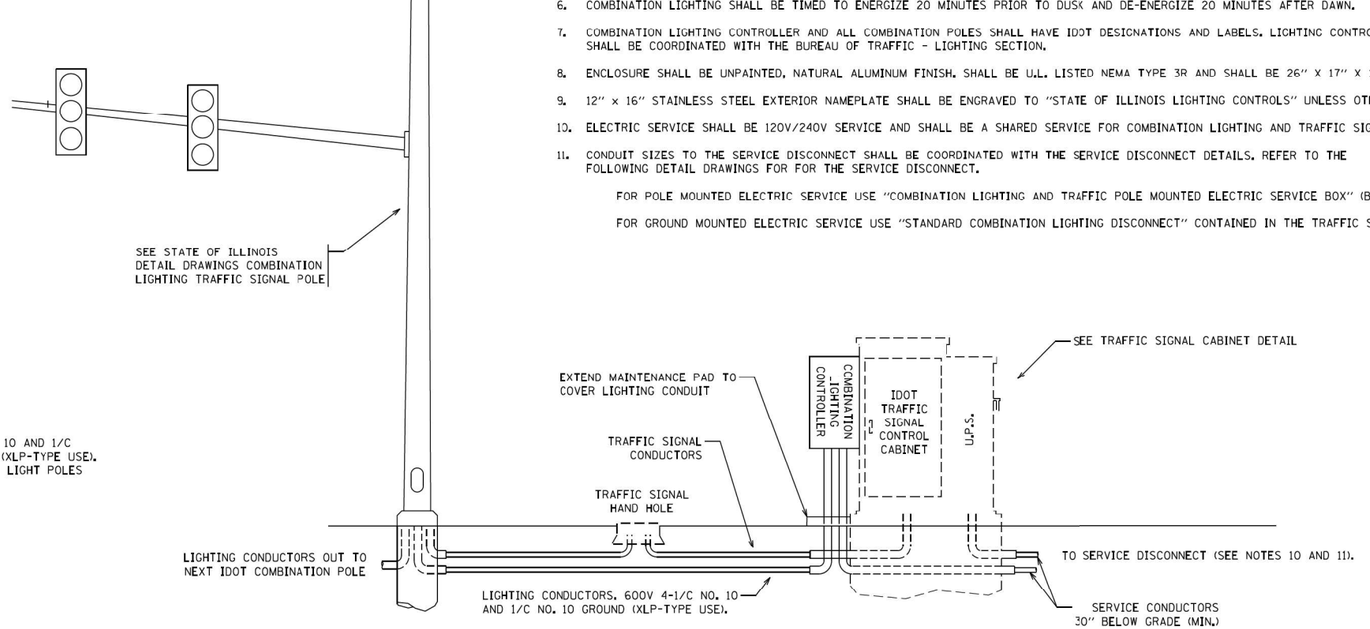
    FOR POLE MOUNTED ELECTRIC SERVICE USE "COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX" (BE-230).

    FOR GROUND MOUNTED ELECTRIC SERVICE USE "STANDARD COMBINATION LIGHTING DISCONNECT" CONTAINED IN THE TRAFFIC SIGNAL DETAILS.



COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM

(NOT TO SCALE)



COMBINATION POLE LIGHTING CABLING - TYPICAL

(NOT TO SCALE)

TS SHT NO.19

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	PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED -
	PLOT DATE = 2/27/2013	DATE - 8/24/2011	REVISED -

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING CONTROLLER

SCALE: NTS | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	245
	BE-235	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

be235.dgn 2/27/2013 8:20:51 AM User:bsiwulap

LIGHTING AND ELECTRICAL LEGEND

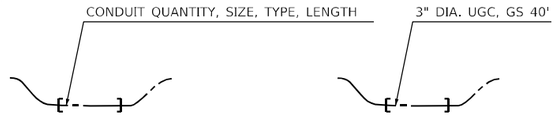
SYMBOL	DESCRIPTION
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE RETROFITTED WITH LED LUMINAIRE, OUTPUT DESIGNATION G
	EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
	EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED AND RETROFITTED WITH AN LED LUMINAIRE, OUTPUT DESIGNATION G
	TEMPORARY LIGHTING UNIT, 45FT WOOD POLE, 15FT MAST ARM, LED LUMINAIRE, OUTPUT DESIGNATION G, AT 35FT MOUNTING HEIGHT UNLESS NOTED OTHERWISE
	PROPOSED VILLAGE OF LAGRANGE LIGHTING UNIT, 35 FT M.H., 6 FT MAST ARM, LUMINAIRE TO BE LED, HORIZONTAL MOUNT
	PROPOSED COMBINATION LIGHTING UNIT. 45 FT M.H., 15FT MAST ARM, LED LUMINAIRE, OUTPUT DESIGNATION G
	EXISTING UTILITY POLE MOUNTED LUMINAIRE TO BE REMOVED
R	EXISTING ORNAMENTAL LIGHTING UNIT TO BE REMOVED
	EXISTING LIGHTING CONTROLLER TO BE REMOVED, NO SALVAGE
	PROPOSED LIGHTING CONTROLLER
	EXISTING ELECTRIC UTILITY SERVICE TO BE REMOVED
	PROPOSED ELECTRIC UTILITY SERVICE
	TEMPORARY WOOD POLE, CLASS 4, 50FT
R	EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED IN PLACE
[R]	EXISTING UNIT DUCT IN EXISTING UNDERGROUND CONDUIT.
E	EXISTING UNIT DUCT TO REMAIN
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
[ ]	PROPOSED UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
A/C	PROPOSED AERIAL LIGHTING CABLE WITH MESSENGER WIRE

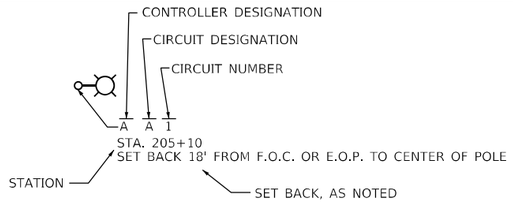
ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
ESMT	EASEMENT
FT	FEET OR FOOR
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
ROW	RIGHT OF WAY
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

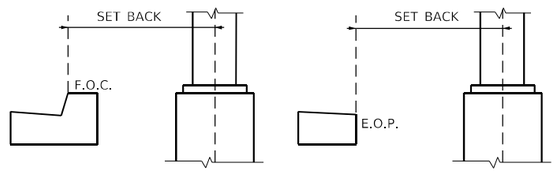
CALL–OUT SAMPLE

DEFINITION AND EXAMPLE





PROPOSED LIGHTING UNIT



POLE SET BACK DETAIL

GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.

IDOT–D1 STANDARDS:

STANDARD NO.	TITLE
BE-210	LIGHTING CONTROLLER PEDESTAL MOUNT
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE-300	LIGHT POLE FOUNDATION 30' (9.144m) TO 35' (10.668m) M.H. 11 1/2" (292mm) BOLT CIRCLE
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

INDEX OF DRAWINGS

STANDARD NO.	TITLE
LT-01	LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS
LT-02	LIGHTING SCHEDULE OF QUANTITIES
LT-03	EAST AVENUE AT 47TH STREET LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
LT-04	EAST AVENUE AT 47TH STREET LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
LT-05	EAST AVENUE AT 47TH STREET LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
LT-06	EAST AVENUE AT 47TH STREET PROPOSED LIGHTING PLAN
LT-07	EAST AVENUE AT 47TH STREET PROPOSED LIGHTING PLAN
LT-08	EAST AVENUE AT 47TH STREET PROPOSED LIGHTING PLAN
LT-09	LIGHTING CONTROLLER "3" WIRING DIAGRAM
LT-10	LIGHTING CONTROLLER "2" WIRING DIAGRAM
LT-11	PROPOSED COMBINATION LIGHTING PLAN, EAST AVENUE AND 47TH STREET
LT-12	LIGHTING DETAILS
LT-13 TO LT-20	IDOT D-1 BUREAU OF ELECTRICAL DETAIL STANDARDS

ITEM	UNIT	IDOT	BROOKFIELD	LAGRANGE	MCCOOK	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH				2	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM				1	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT		265	370	160	795
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT				170	170
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT		2440	3020	2825	8,285
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1200				1,200
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT				100	100
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	150			1585	1,735
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4	9		11	24
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60AMP	EACH				2	2
LIGHT POLE, WOOD, 45 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2			5	7
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT		8	128	78	214
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH				6	6
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	3			5	8
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH		1	9	2	12
REMOVAL OF POLE FOUNDATION	EACH		1	9	2	12
RELOCATE EXISTING LIGHTING UNIT	EACH				6	6
REMOVAL OF LIGHTING CONTROLLER	EACH				2	2
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH				2	2
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH				2	2
TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	1				1
REMOVE EXISTING LUMINAIRE	EACH				6	6
LUMINAIRE, LED, SPECIAL	EACH		1	16	3	20
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2			6	8
LIGHT POLE (SPECIAL)	EACH		1	16	3	20
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4	10	16	14	44
MAINTENANCE OF LIGHTING SYSTEM	CAL MO		4	4	4	12

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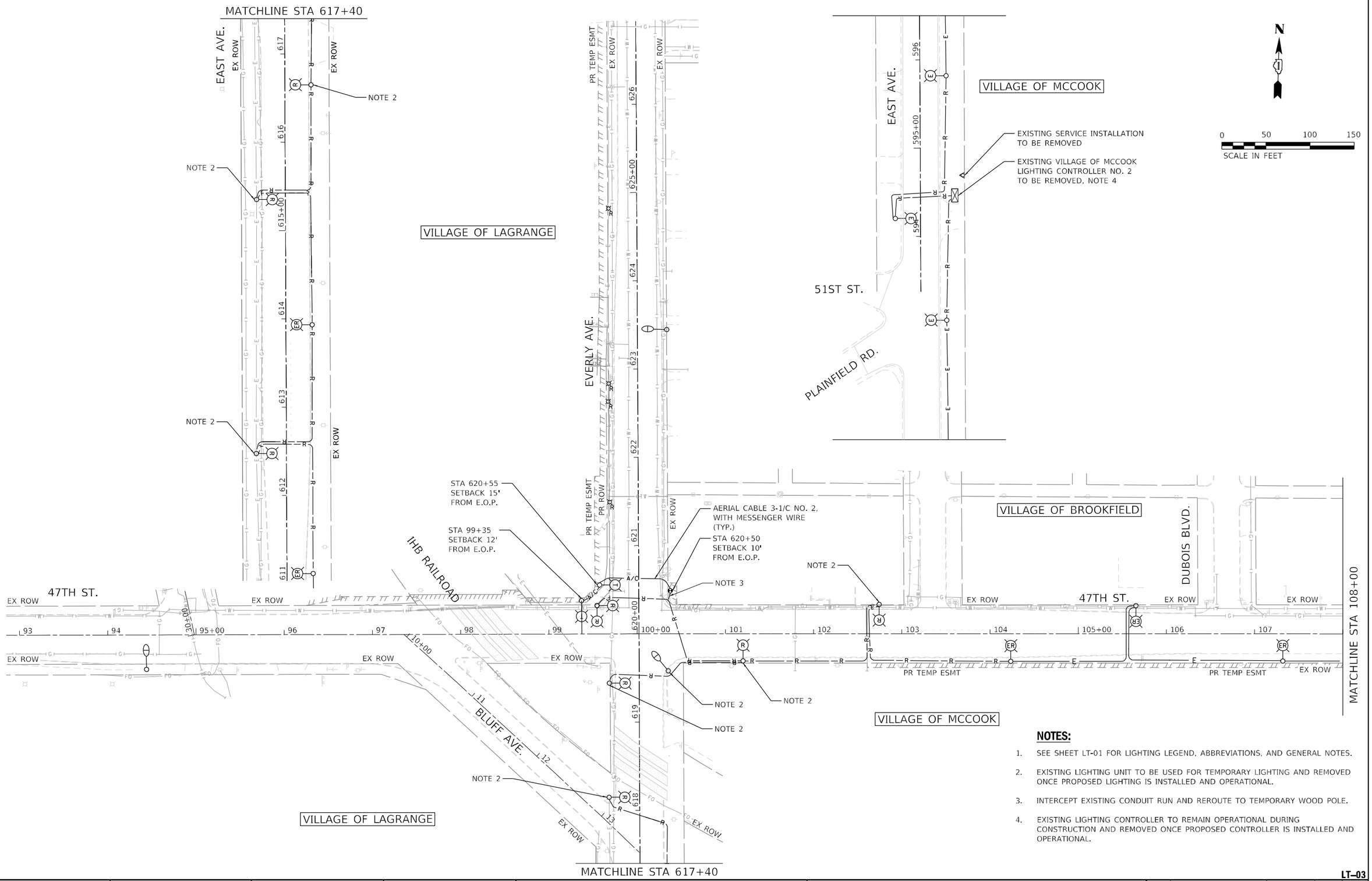
PLOT SCALE = 100 ' / in.	CHECKED - RP	REVISED -
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	247
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT TO BE USED FOR TEMPORARY LIGHTING AND REMOVED ONCE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.
3. INTERCEPT EXISTING CONDUIT RUN AND REROUTE TO TEMPORARY WOOD POLE.
4. EXISTING LIGHTING CONTROLLER TO REMAIN OPERATIONAL DURING CONSTRUCTION AND REMOVED ONCE PROPOSED CONTROLLER IS INSTALLED AND OPERATIONAL.

LT-03

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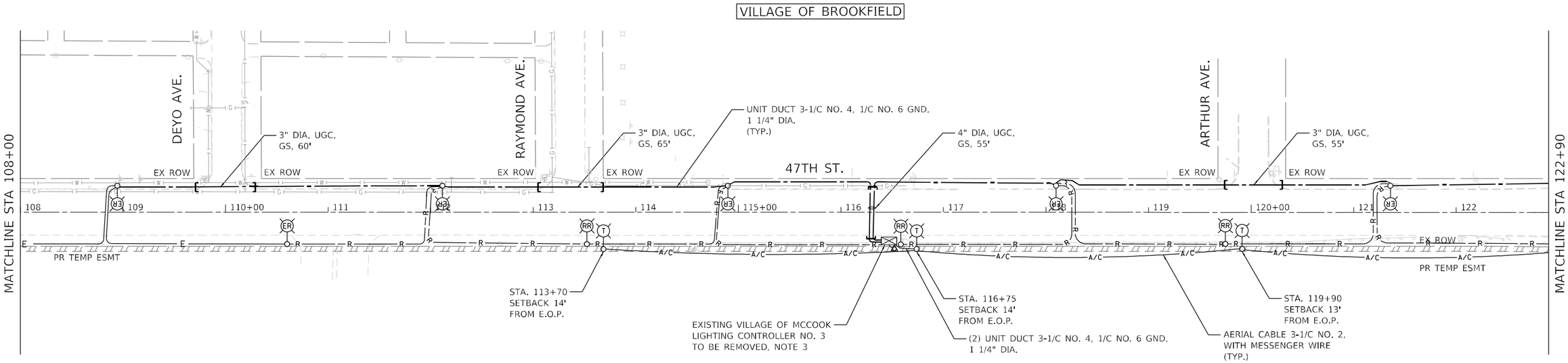
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL AND TEMPORARY LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	248
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT TO BE USED FOR TEMPORARY LIGHTING AND REMOVED ONCE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.
3. EXISTING LIGHTING CONTROLLER TO BE USED FOR TEMPORARY LIGHTING AND REMOVED ONCE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

LT-04

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL AND TEMPORARY LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	249
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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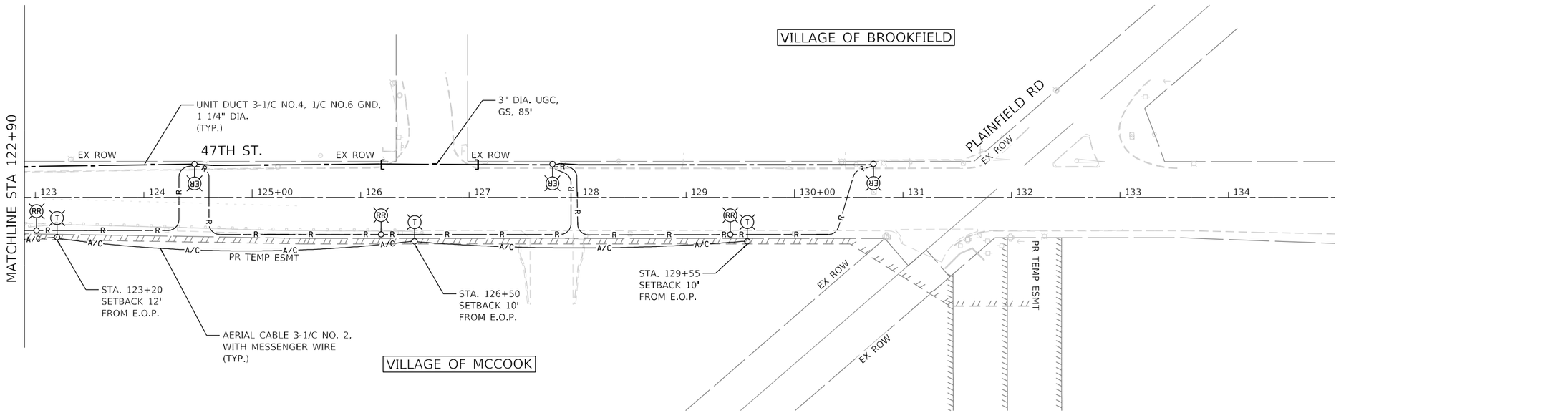

NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT TO BE USED FOR TEMPORARY LIGHTING AND REMOVED ONCE PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

LT–05

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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
REMOVAL AND TEMPORARY LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	250
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA 617+40

EX ROW

2C7
STA. 616+80
SET BACK 4'
FROM E.O.P.

UNIT DUCT 3-1/C NO.4
1/C NO.6 GND., 1 1/4" DIA.
(TYP.)

3" DIA. RGC,
GS, 60'

2C8
STA. 615+35
SET BACK 5'
FROM E.O.P.

2D7

2D8
STA. 612+50
SET BACK 9'
FROM E.O.P.

TO EXISTING VILLAGE
OF MCCOOK LIGHTING
CONTROLLER NO. 2

2D13
STA. 95+45
SET BACK 8'
FROM E.O.P.

2C6

2C12
STA. 97+25
SET BACK 8'
FROM E.O.P.

3" DIA. UGC,
GS, 65'

47TH ST.

EX ROW

IHB RAILROAD

BLUFF AVE.

2D12
STA. 94+10
SET BACK 4'
FROM E.O.P.

2C11
STA. 96+65
SET BACK 5'
FROM E.O.P.

2D11
STA. 98+10
SET BACK 8'
FROM E.O.P.

2D10
STA. 10+90
SET BACK 5'
FROM E.O.P.

3" DIA. UGC,
GS, 35'

VILLAGE OF LAGRANGE

3B8
STA. 626+85
SET BACK 8'
FROM E.O.P.

3A8
STA. 625+30
SET BACK 10'
FROM E.O.P.

VILLAGE OF LAGRANGE

EVERLY AVE.

3B7
STA. 623+70
SET BACK 7'
FROM E.O.P.

3" DIA. RGC,
GS, 30'

3A7
STA. 622+15
SET BACK 8'
FROM E.O.P.

3" DIA. RGC,
GS, 25'

COMBINATION POLE
NOTE 2, (TYP.)

PR TEMP ESMT

PR ROW

3B6
STA. 98+70
SET BACK 8'
FROM E.O.P.

3" DIA. RGC,
GS, 30'

2C10
STA. 618+15
SET BACK 4'
FROM E.O.P.

COMBINATION
LIGHTING
CONTROLLER

3A6
STA. 619+15
SET BACK 9'
FROM E.O.P.

3" DIA. RGC,
GS, 60'

2C9
STA. 12+80
SET BACK 6'
FROM E.O.P.

2D9
STA. 617+45
SET BACK 5'
FROM E.O.P.

EX ROW

MATCHLINE STA 617+40

VILLAGE OF MCCOOK

EAST AVE.

2C1

CKT C&D: UNIT DUCT 3-1/C NO. 4
1/C NO. 6 GND., 1 1/4" DIA (TYP.)

PROPOSED SERVICE, 240/480V,
SINGLE PHASE, 3 WIRE

SERVICE CABLE 3-1/C NO. 2,
3" DIA UGC, GS, 30'

4" DIA. UGC,
GS, 55'

PROPOSED VILLAGE OF MCCOOK
LIGHTING CONTROLLER NO. 2,
PEDESTAL MOUNTED, 480V, 60A
NOTE 3

3" DIA. UGC,
GS, 35'

2D1

51ST ST.

CKT A&B: UNIT DUCT 3-1/C NO. 4
1/C NO. 6 GND., 1 1/4" DIA (TYP.)

2A1

PLAINFIELD RD.

N

0 50 100 150
SCALE IN FEET

VILLAGE OF BROOKFIELD

3A5
STA. 102+70
SET BACK 6'
FROM E.O.P.

4" DIA. UGC,
GS, 60'

3" DIA. UGC
GS, 60'

3A4

DUBOIS BLVD.

47TH ST.

EX ROW

PR TEMP ESMT

3B4

3B3

MATCHLINE STA 108+00

3B5
STA. 101+30
SET BACK 4'
FROM E.O.P.

VILLAGE OF MCCOOK

CKT. A&B
UNIT DUCT 3-1/C NO.4
1/C NO.6 GND., 1 1/4" DIA.
(TYP.)

NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF COMBINATION LIGHTING POLES. LIGHTING MAST ARMS SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF COMBINATION POLE. MAST ARMS SHALL BE 15 FT.
3. PROPOSED LIGHTING CONTROLLER TO BE INSTALLED 10 FT NORTH FROM THE EXISTING CONTROLLER AT THE SAME SETBACK.

LT–06

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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	251
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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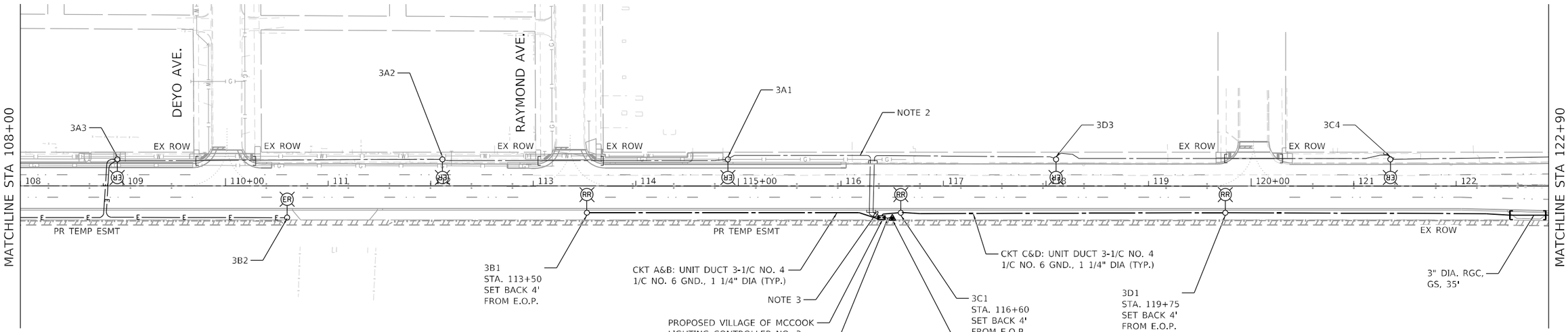
N

0 50 100 150

SCALE IN FEET

VILLAGE OF BROOKFIELD



VILLAGE OF MCCOOK

NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE TEMPORARY LIGHTING PLANS FOR DETAILS.
3. REROUTE UNIT DUCTS INSTALLED UNDER TEMPORARY LIGHTING FROM EXISTING TO PROPOSED CONTROLLER.

LT–07

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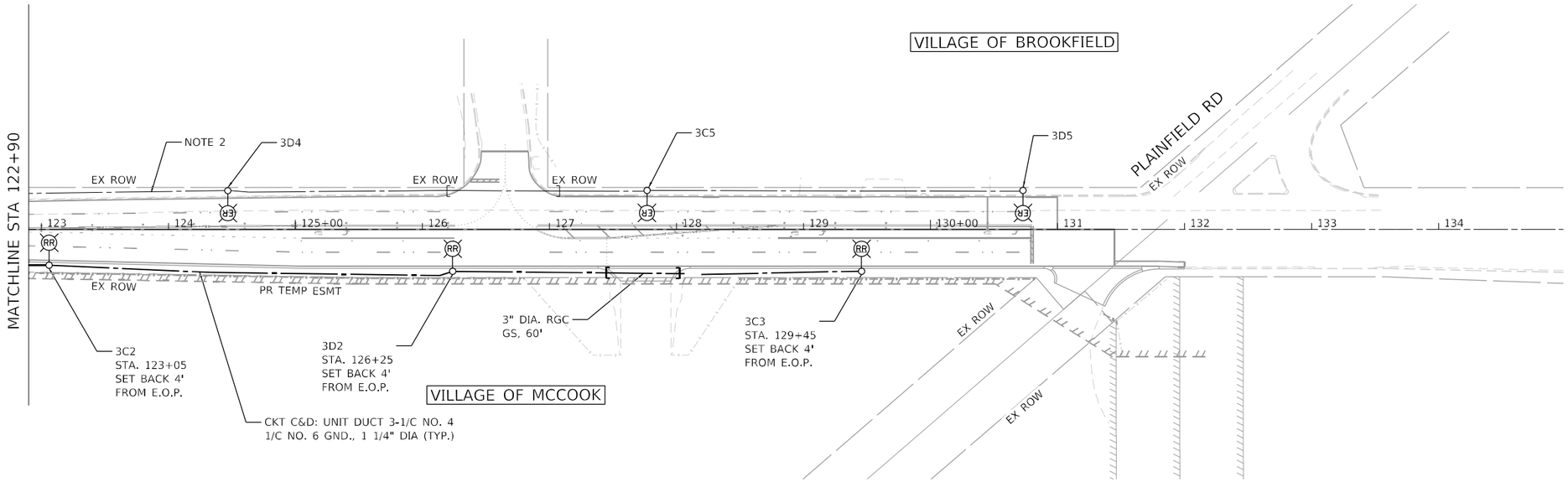
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	252
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE SHEET LT-01 FOR LIGHTING LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE TEMPORARY LIGHTING PLANS FOR DETAILS.

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LT–08

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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	DRAWN - MG	REVISED -
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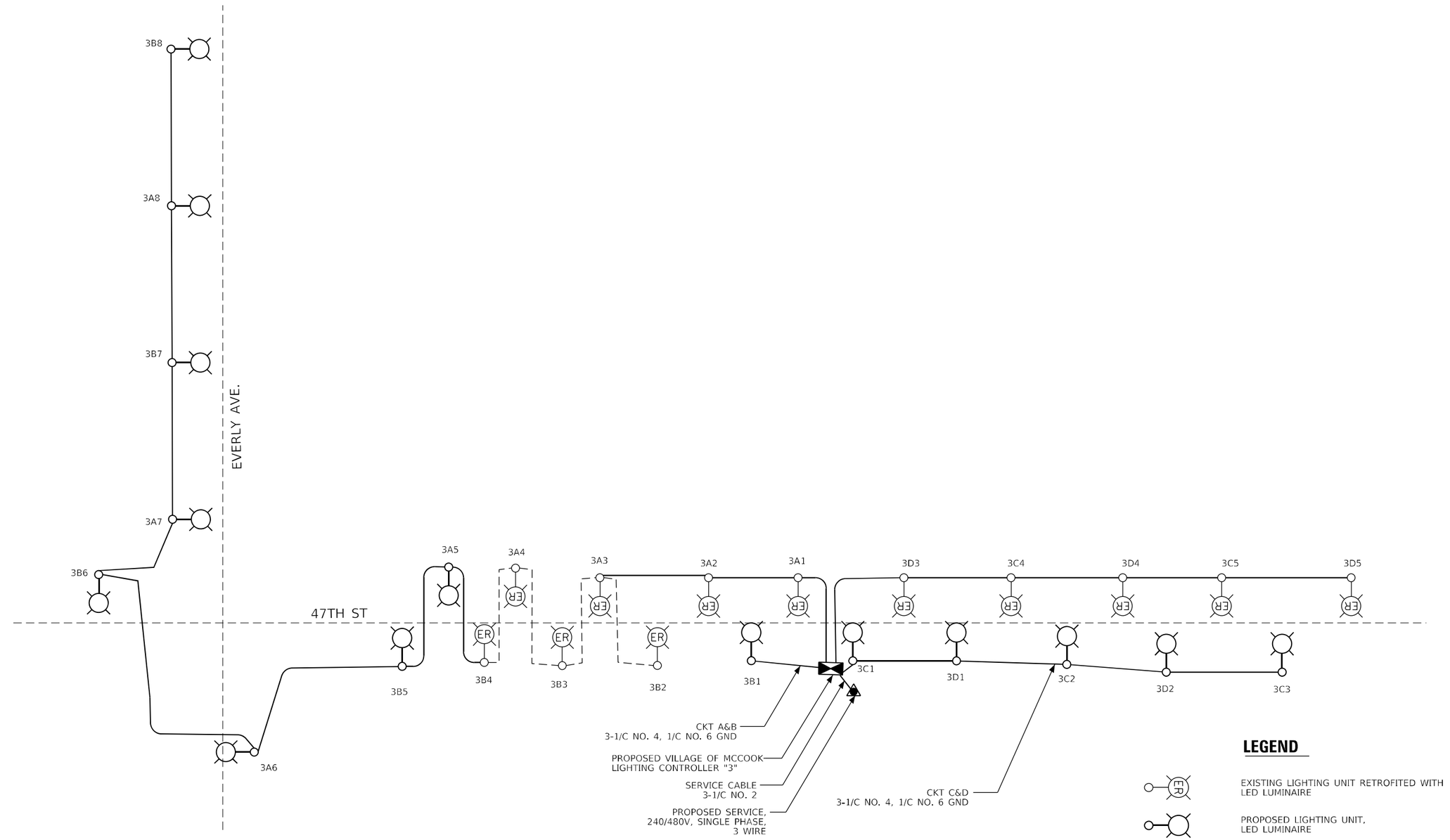
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
PROPOSED LIGHTING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	253
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LT–09

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	DRAWN - MG	REVISED -
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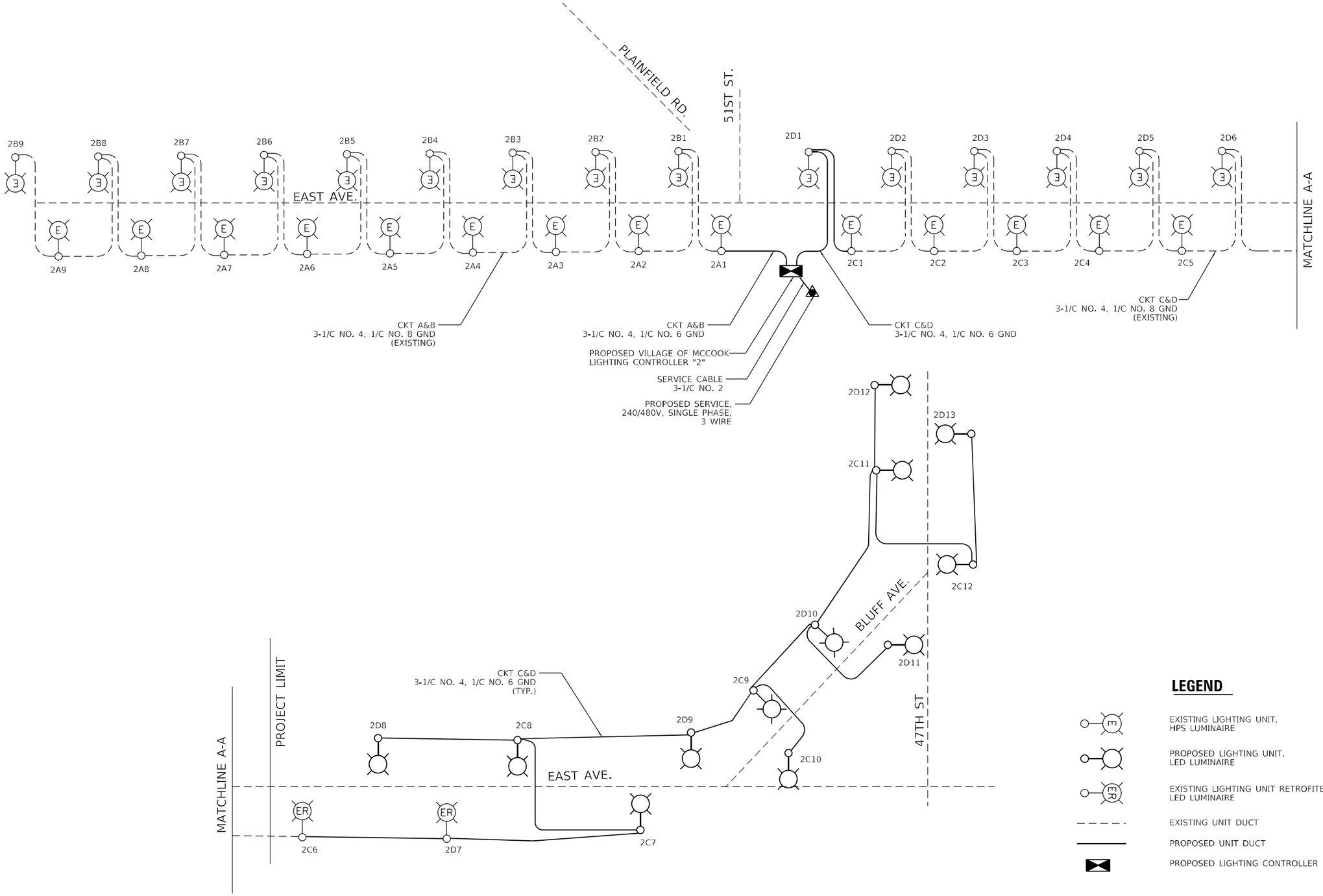
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER "3" WIRING DIAGRAM

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	254
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



LT–10

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = vgurskas	DESIGNED - VG	REVISED -
	DRAWN - MG	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - RP	REVISED -
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER "2" WIRING DIAGRAM

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

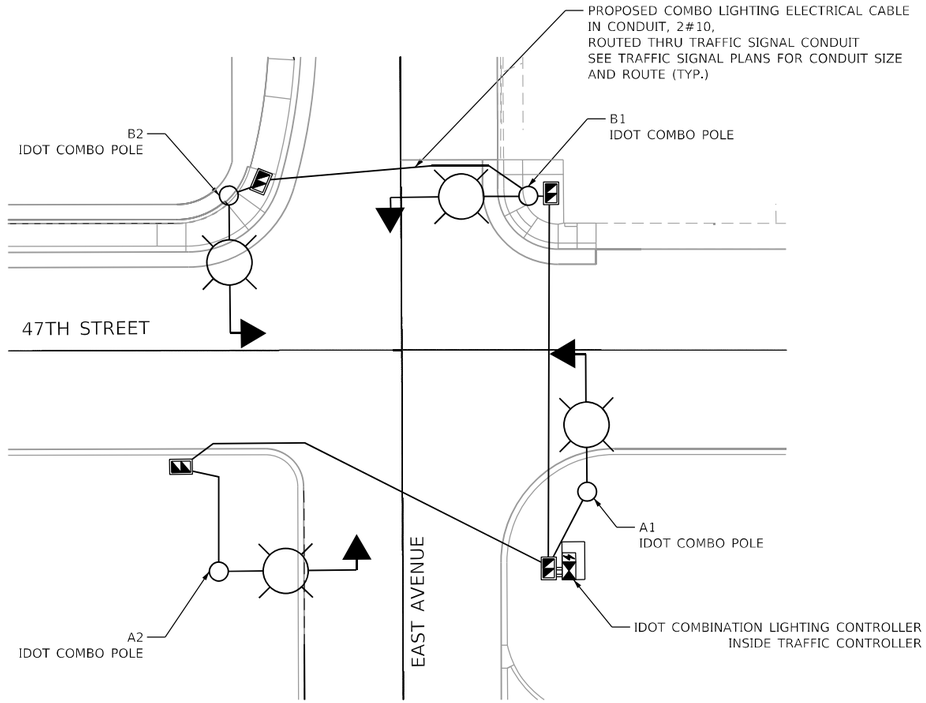
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	255
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

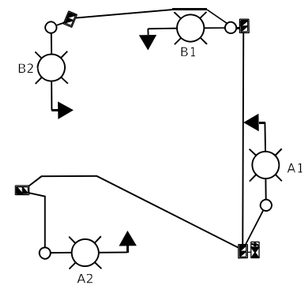
LEGEND

IDOT COMBINATION LIGHT POLE
45 FT LUMINAIRE MOUNTING HEIGHT
15 FT LUMINAIRE ARM
LUMINAIRE, LED, OUTPUT DESIGNATION G, 120V,
WITH 6 AMP FUSE & NEUTRAL SLUG

N

0 20 40 60
SCALE IN FEET





ONE LINE DIAGRAM

NOTES:

1. THE IDOT COMBO LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER, SEE DETAIL BE-240
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES. CIRCUITING DECALS SHOWN ARE FOR GUIDANCE ONLY.

IDOT COMBO LIGHTING SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	1200

LT–11

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = vgurskas	DESIGNED - VG	REVISED -	
	DRAWN - MG	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED COMBINATION LIGHTING PLAN
EAST AVENUE AND 47TH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	256
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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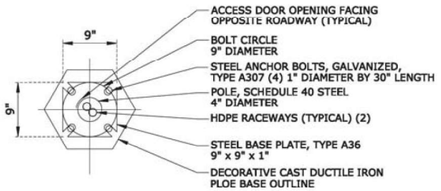
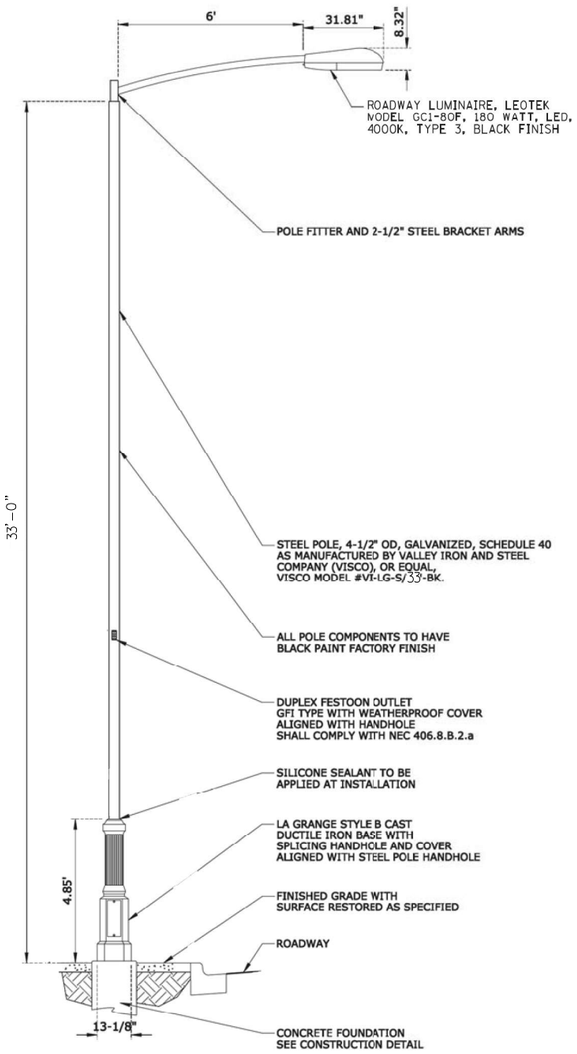


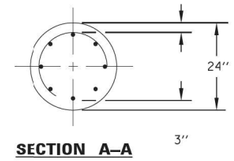
STYLE C POLE BASE PLATE DETAIL



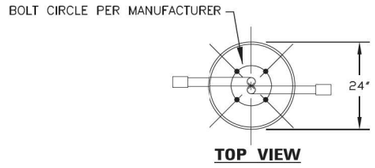
LA GRANGE LIGHTING STANDARD, STYLE C - 28'
STEEL POLE WITH CAST IRON BASE AND LUMINAIRE

NOTES:

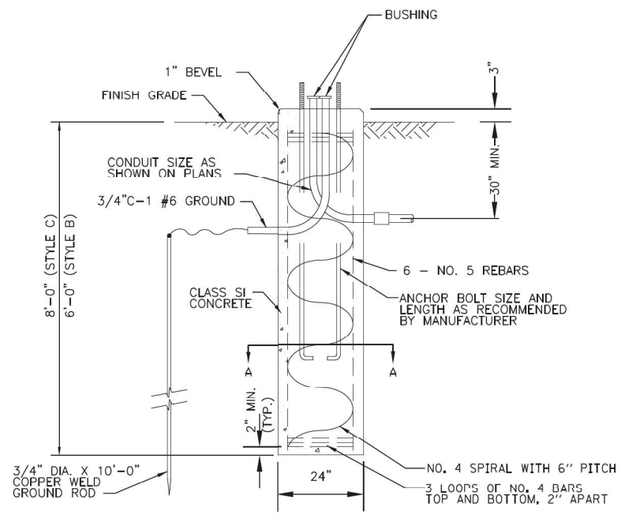
1. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY CENTERED AND SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
2. THE HOLE FOR THE FOUNDATION SHALL BE MADE WITH AN AUGER OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
3. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1 INCH.
4. CABLE TRENCHES AND FOUNDATIONS SHALL BE BACKFILLED AND COMPACTED, AND CONCRETE CURED ACCORDING TO APPLICABLE STANDARDS BEFORE LIGHT POLES MAY BE INSTALLED.
5. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE ANCHOR ROD SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3" OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION AND PROJECT A MINIMUM OF 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
6. THE CONTRACTOR MAY USE A #4 SPIRAL AT 6" PITCH OR #4 TIES AT 12" O.C.
7. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.



SECTION A–A



TOP VIEW



FOUNDATION DETAIL
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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	DRAWN - MG	REVISED -	
PLOT SCALE = 2 ' / in.	CHECKED - RP	REVISED -	
PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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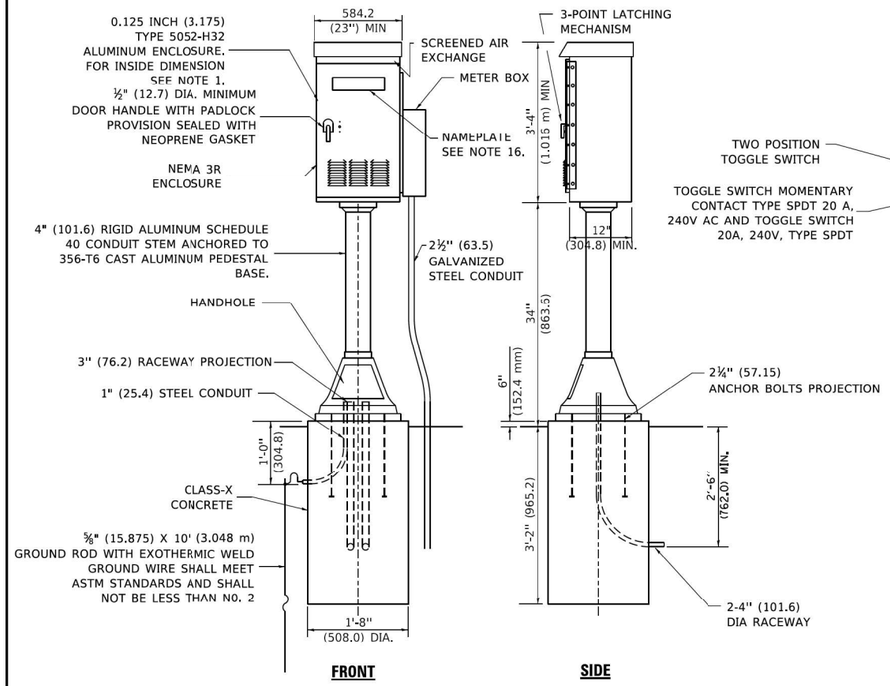
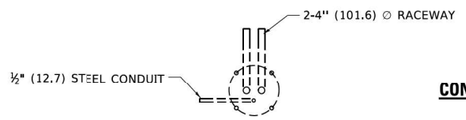
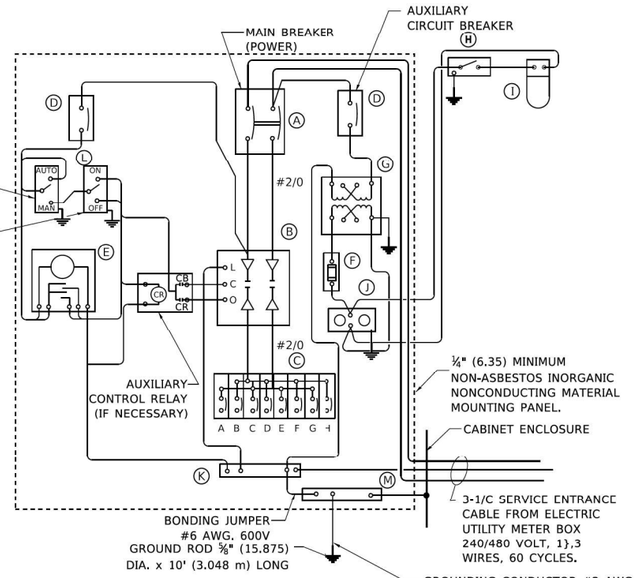
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



FRONT **SIDE**



FOUNDATION PLAN



PANEL WIRING DIAGRAM

CONTROL CABINET

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 100 AMP., FRAME 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	20 A., 120 V. FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS ¼" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS ⅛" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

    R = RED BL = BLUE W = WHITE
    B = BLACK Y = YELLOW G = GREEN

13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

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	DRAWN -	REVISED - R. TOMSONS 08-19-04
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PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER
PEDESTAL MOUNT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-210	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

LT-13

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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	DRAWN - MG	REVISED -
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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1–BUREAU OF ELECTRICAL DETAIL STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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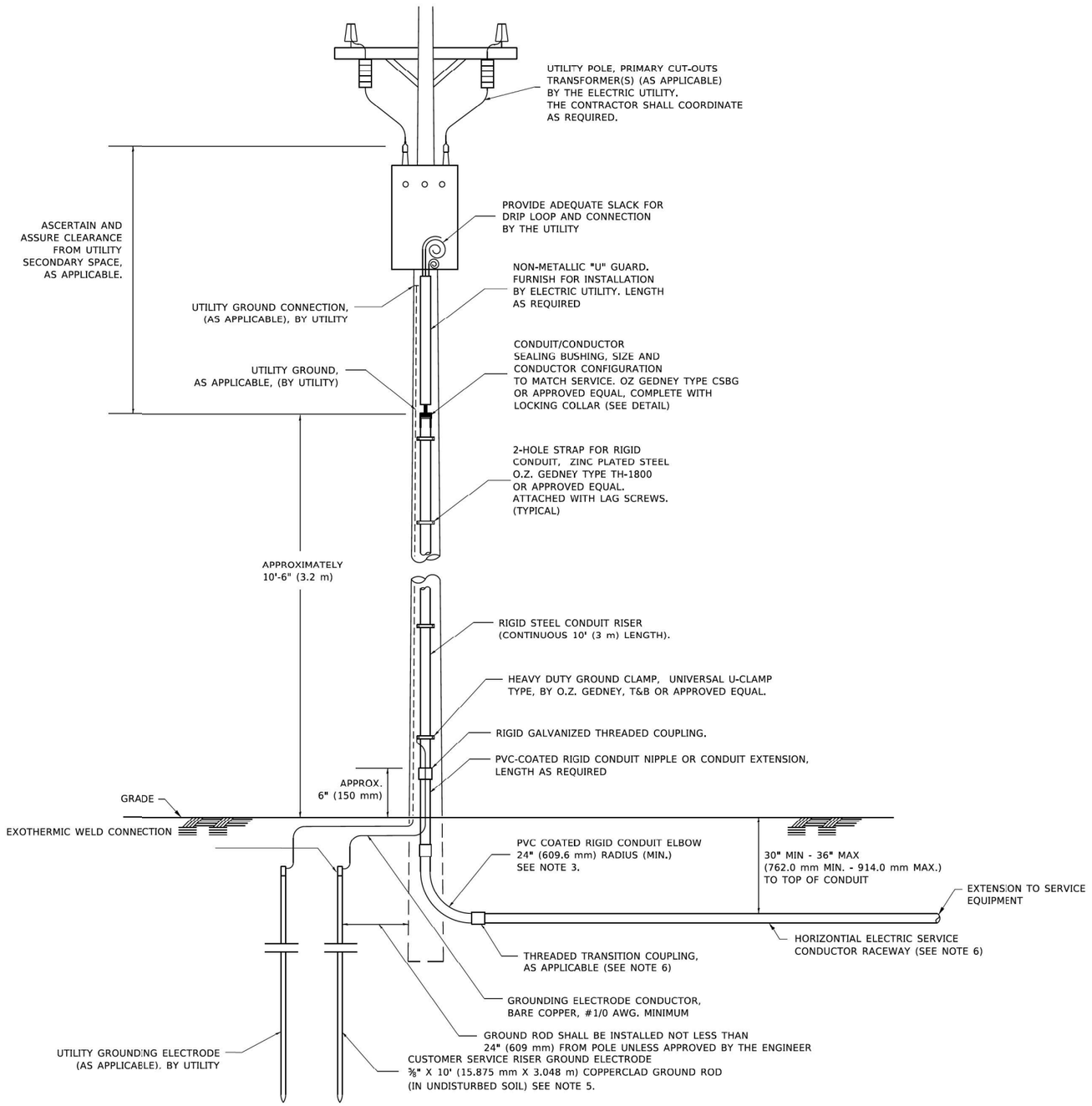
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

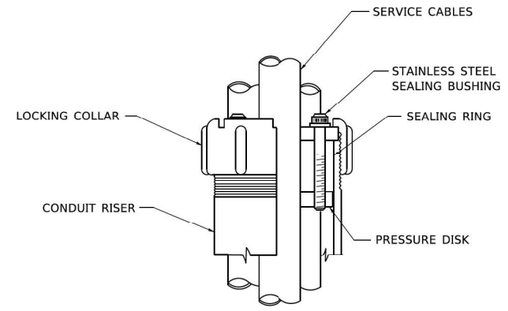


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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	DRAWN -	REVISED -	
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PLOT DATE = 4/19/2019	DATE -	REVISED -	

ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS	FED. AID PROJECT		

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LT–14

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = vgurskas	DESIGNED - VG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MG	REVISED -	
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	PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

IDOT D1–BUREAU OF ELECTRICAL DETAIL STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62F11		
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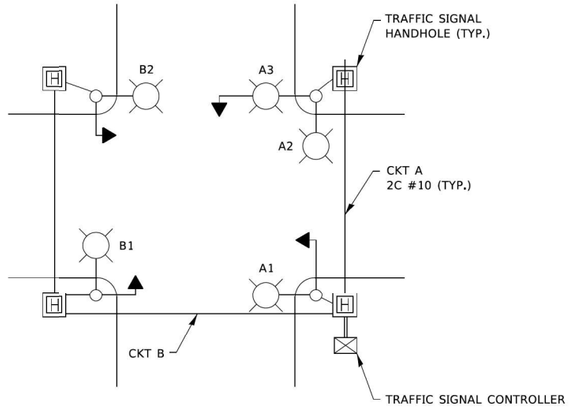

TYPICAL LIGHTING CIRCUIT

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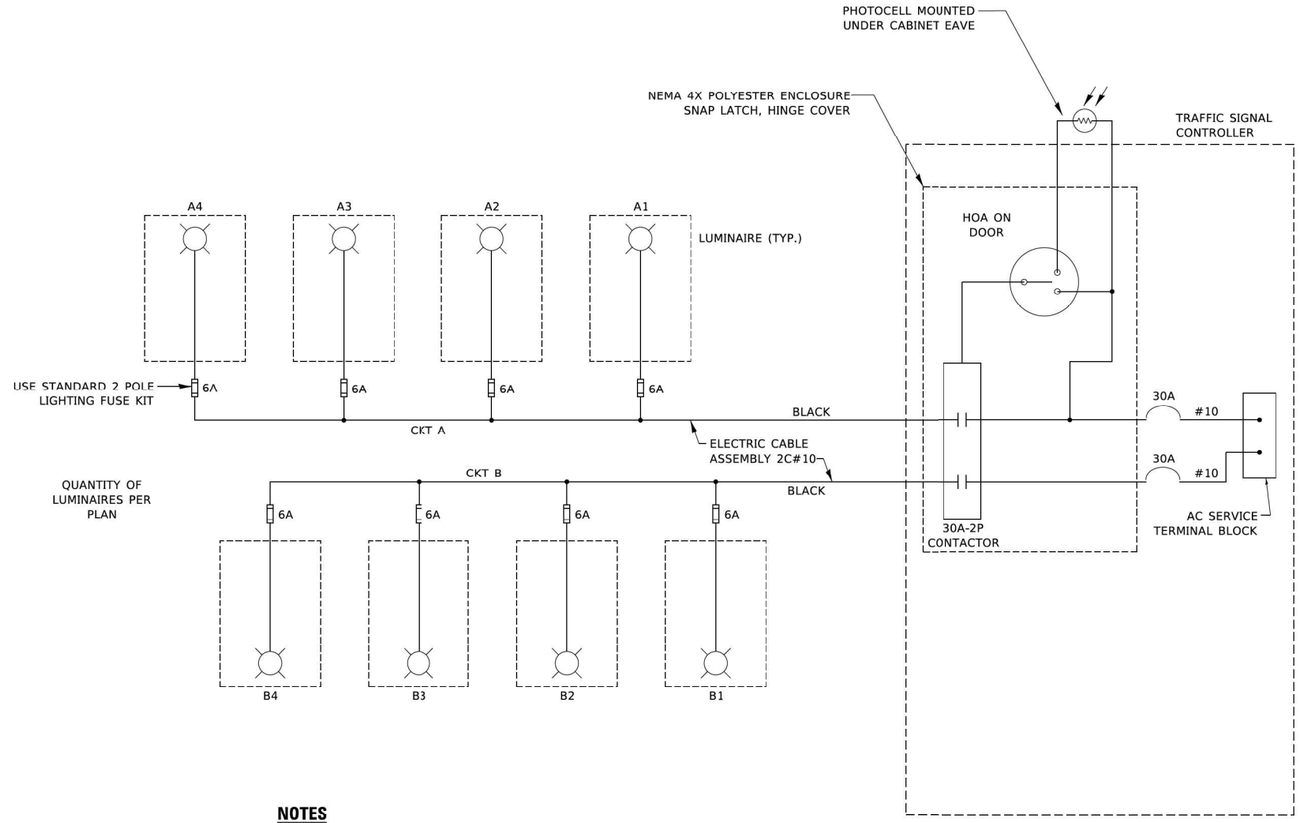

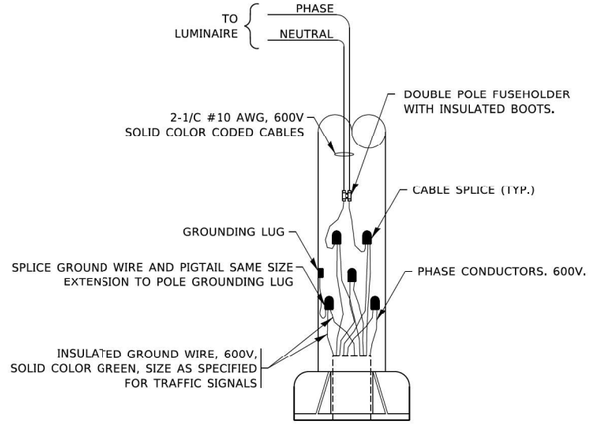

COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)

NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY 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. ALL CONTROLLERS TO HAVE TWO CIRCUIT BREAKERS.
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

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PLOT DATE = 10/7/2019	DATE - 08/18/2014	REVISED - R. TOMSONS 3/22/18	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-240	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

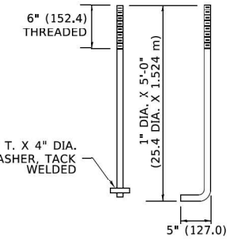
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

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

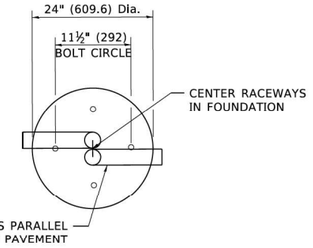
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	260
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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

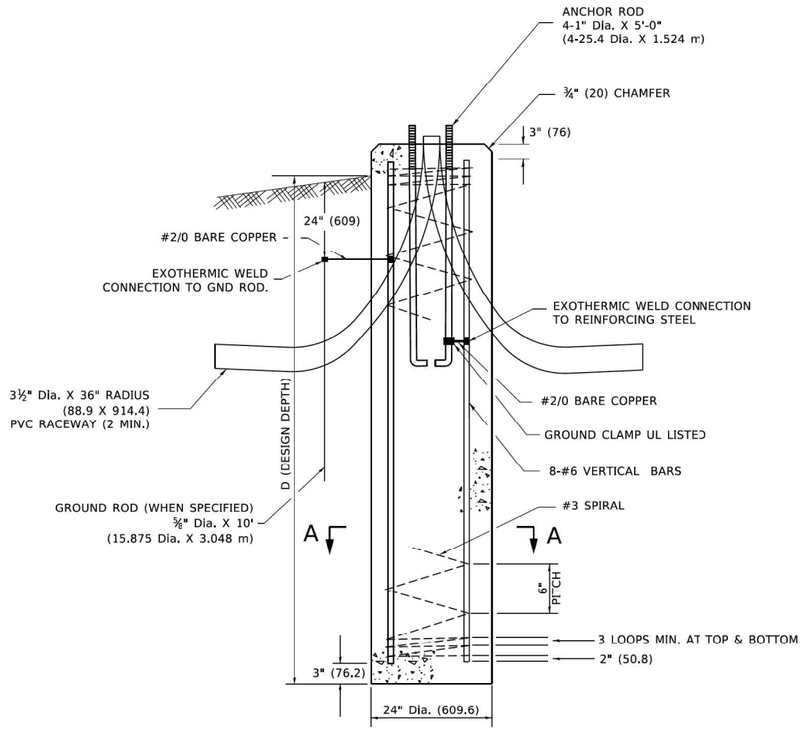
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND ∅ = 34°	9'-6" (2.90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



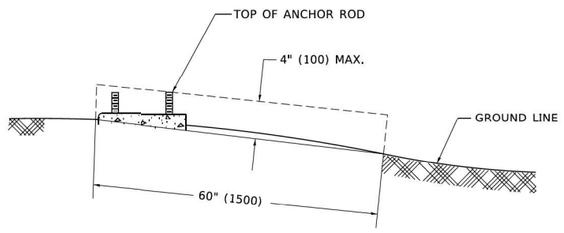
ANCHOR BOLT DETAIL



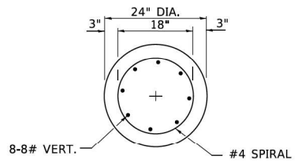
TOP VIEW



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A–A

NOTES

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-300	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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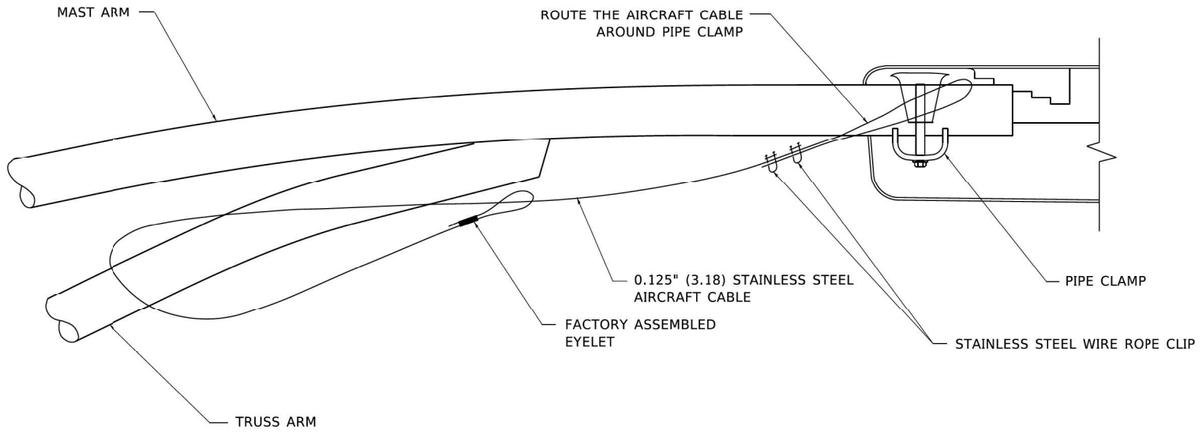
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

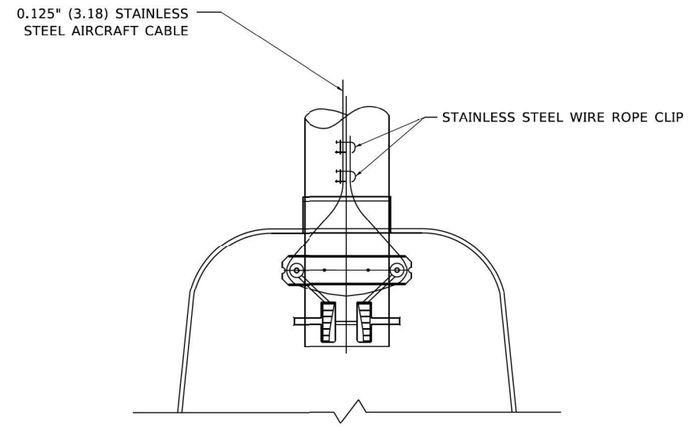
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	261
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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



BOTTOM VIEW
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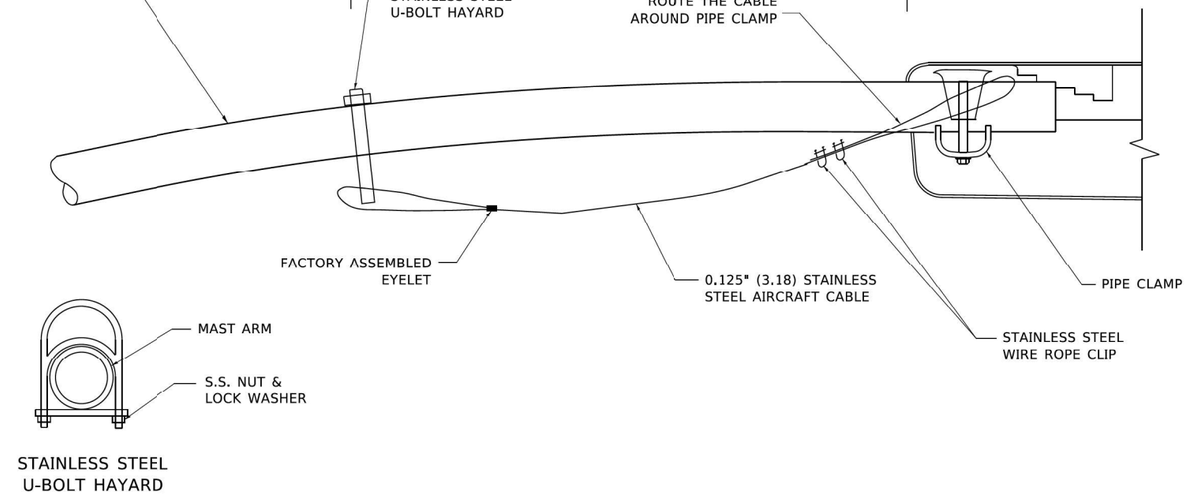

SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

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.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS FED. AID PROJECT			

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LT-17

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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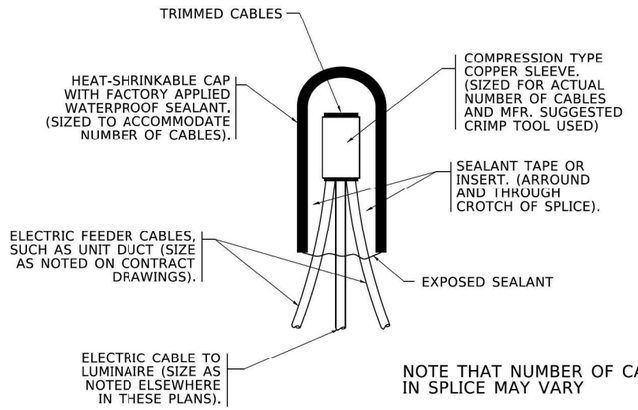
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



TYPICAL SPLICE DETAIL
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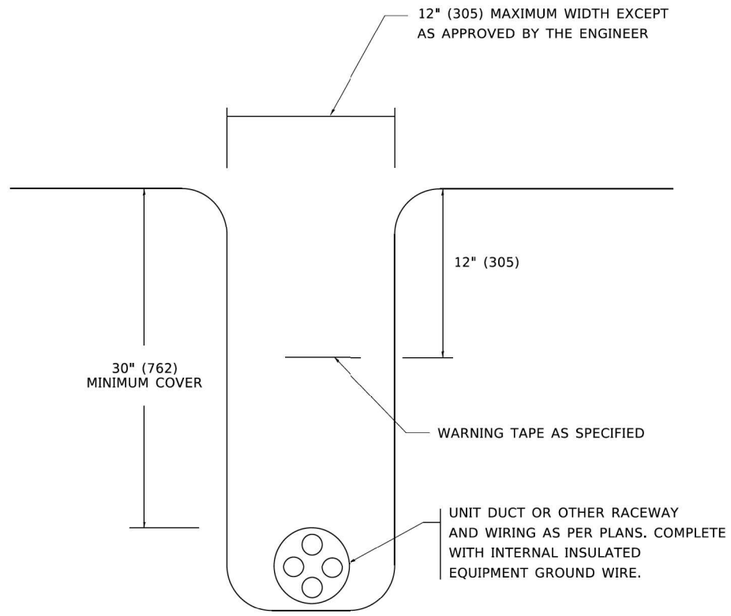

TYPICAL WIRING IN TRENCH DETAIL
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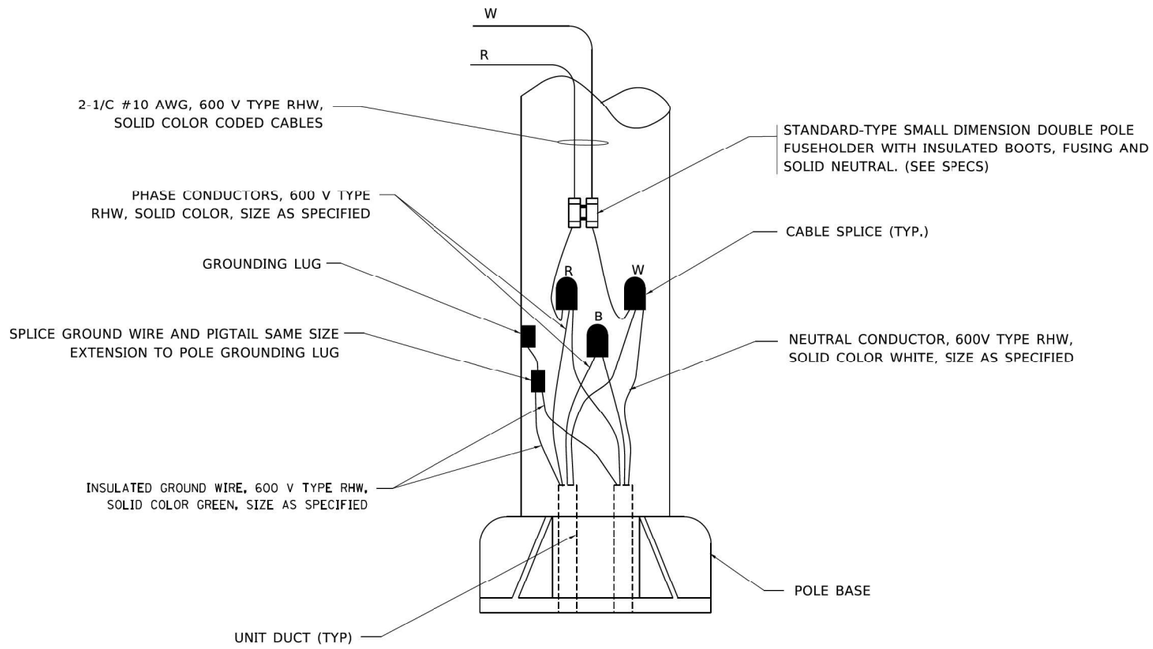

POLE WIRING DETAIL
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PLOT DATE = 4/19/2019	DATE -	REVISED -	

MISC. ELECTRICAL DETAILS
SHEET A

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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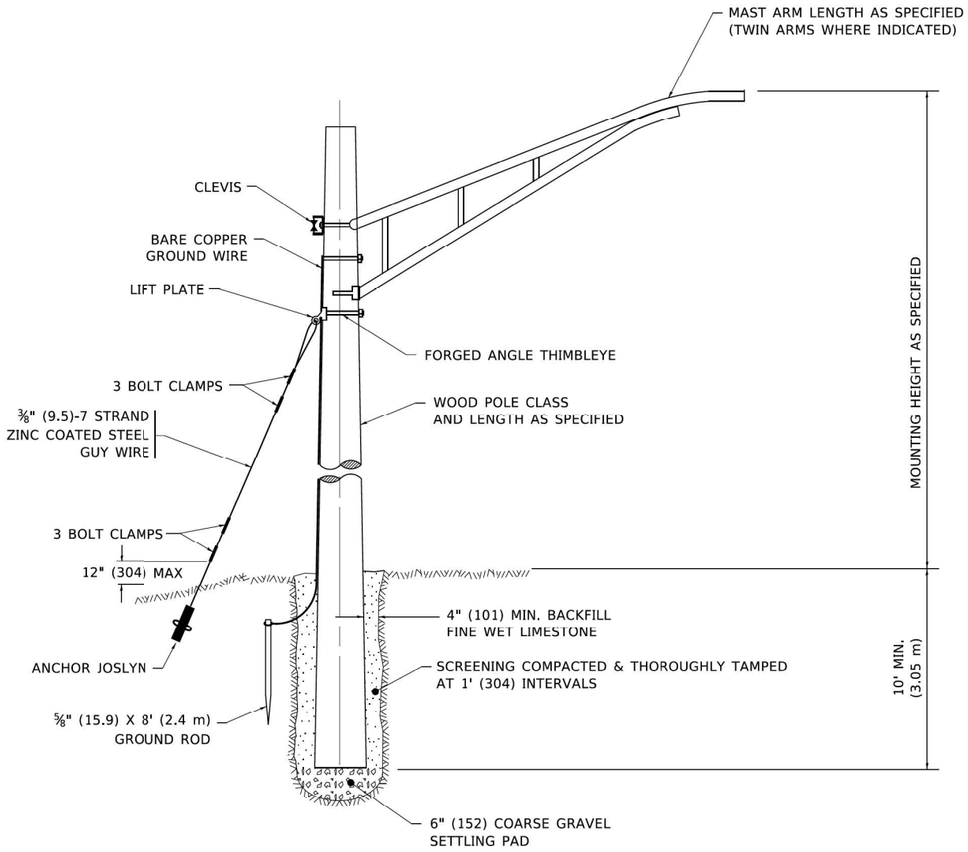
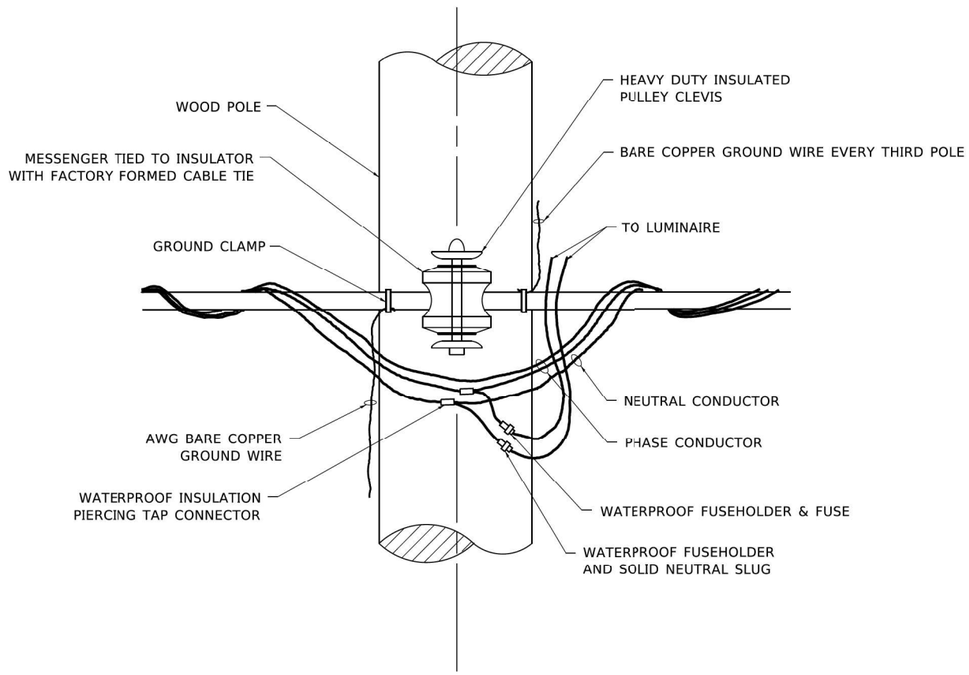
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

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

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LT-19

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = vgurskas	DESIGNED - VG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS
		DRAWN - MG	REVISED -		
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	PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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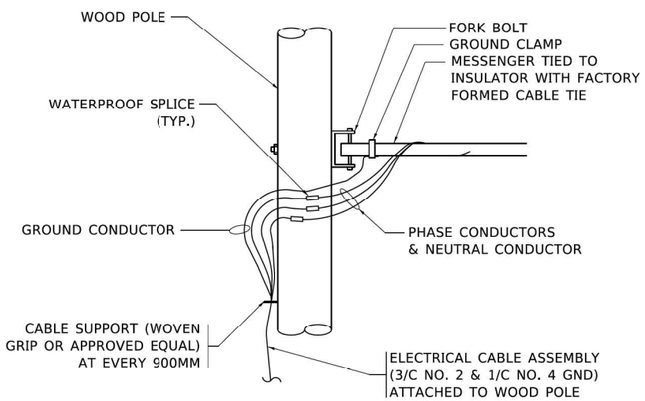

AERIAL CABLE CONNECTION DETAIL

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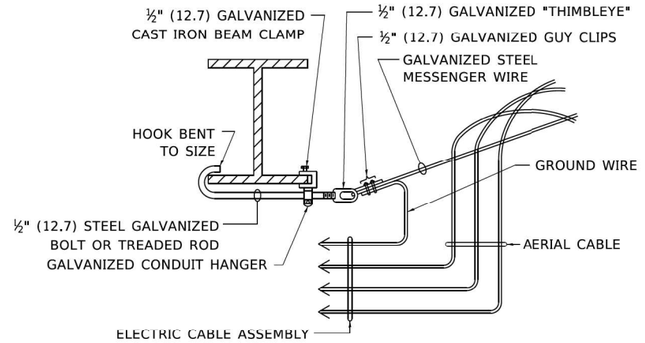
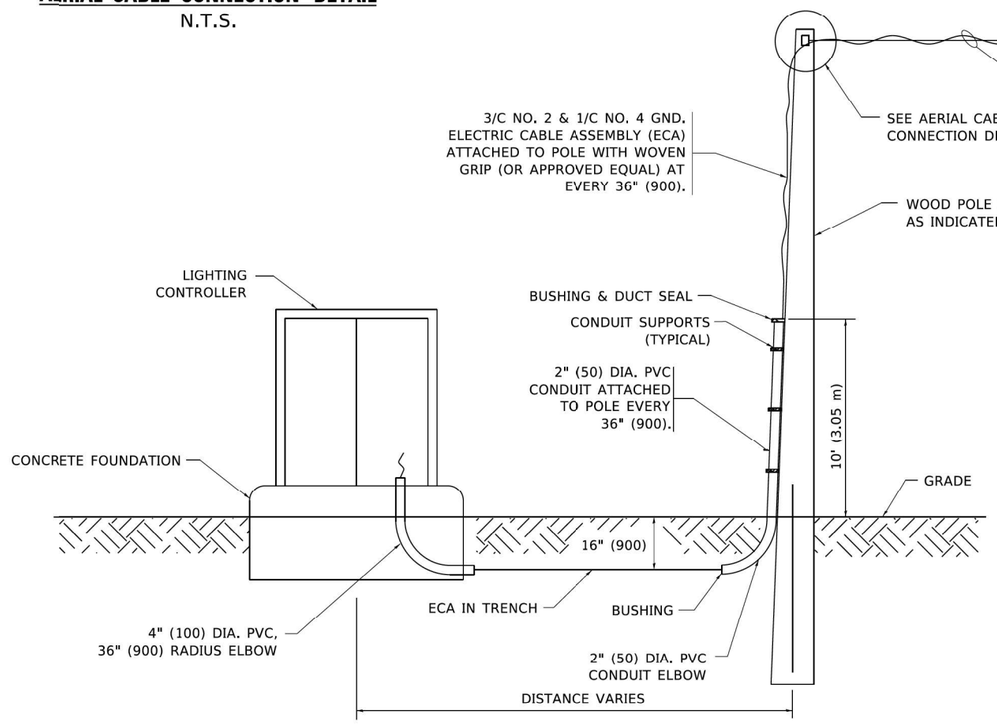


AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

N.T.S.

NOTES:

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

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		DRAWN -	REVISED -						
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LT-20

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = vgurskas	DESIGNED - VG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MG	REVISED -			2719	3212TS-RR	COOK	336 / 265
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	PLOT DATE = 3/11/2024	DATE - 03/13/2024	REVISED -				ILLINOIS FED. AID PROJECT		

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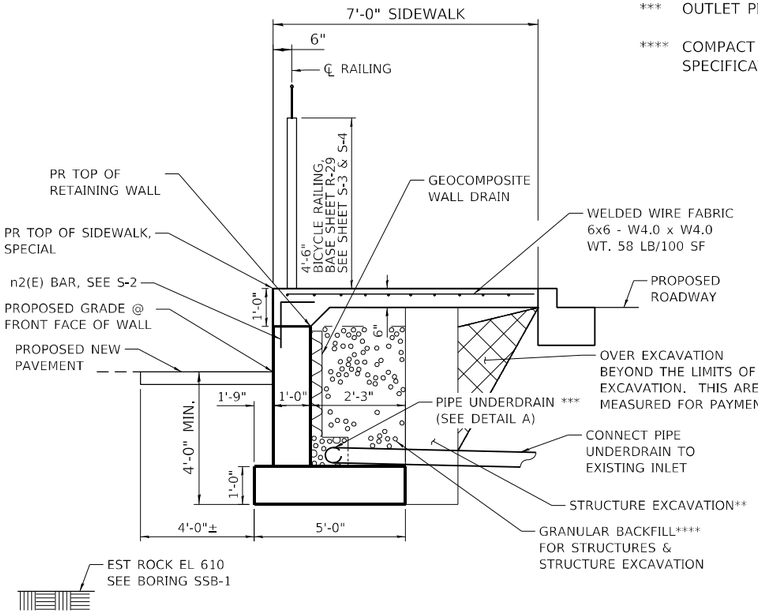
* INCLUDED IN THE COST OF "PIPE UNDERDRAINS FOR STRUCTURES"

** BACKFILL REMAINDER OF STRUCTURE EXCAVATION AND OVER EXCAVATION WITH SAME MATERIAL SPECIFIED FOR ROADWAY EMBANKMENT.

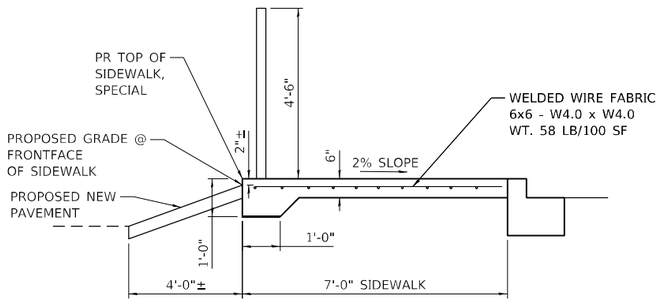
*** OUTLET PIPE UNDERDRAIN TO STORM SEWER INLET.

**** COMPACT IN ACCORDANCE WITH ART. 351.05(A) AND (B) OF THE STD. SPECIFICATIONS.



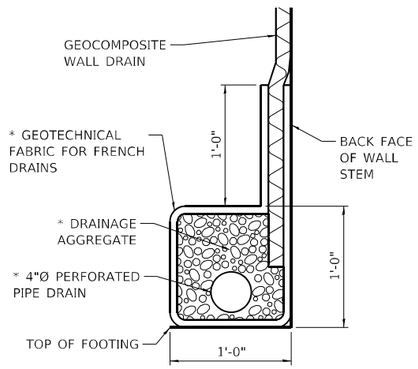
TYPICAL SECTION - RETAINING WALL

STA 98+74.36 TO STA 99+55.58

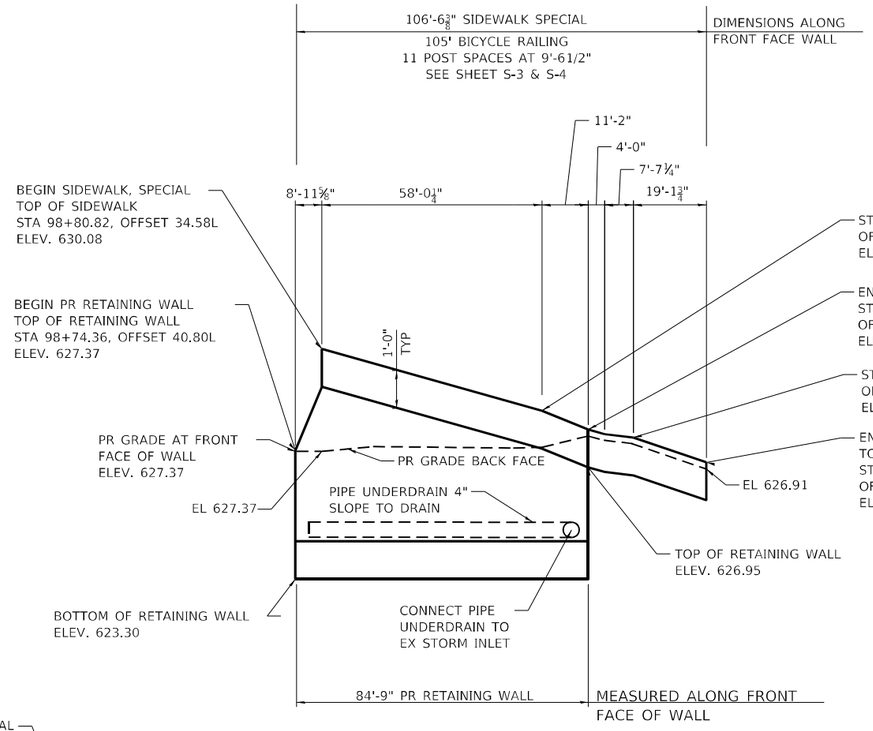


TYPICAL SECTION - SIDEWALK, SPECIAL

STA 98+80.82 TO STA 99+65.10

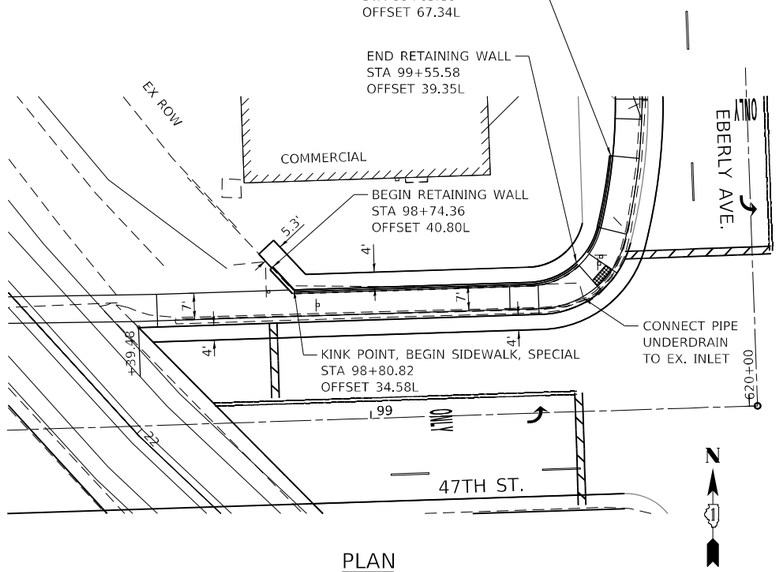


DETAIL A



UNFOLDED ELEVATION

SCALE: V: 1"=2', H: 1"=20'



PLAN

SCALE: 1"=20'

STATIONS AND OFFSETS GIVEN TO FRONT FACE (NORTH FACE) OF WALL.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU YD	30.9
REINFORCEMENT BARS, EPOXY COATED	LBS	1670
PORTLAND CEMENT CONCRETE SIDEWALK 6" SPECIAL	SQ FT	775
STRUCTURE EXCAVATION	CU YD	134
GEOCOMPOSITE WALL DRAIN	SQ YD	31
GRANULAR BACKFILL FOR STRUCTURES	CU YD	23
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	95
BICYCLE RAILING	FOOT	105

WORK THIS SHEET WITH S-2 THRU S-4.

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QUIGG ENGINEERING INC

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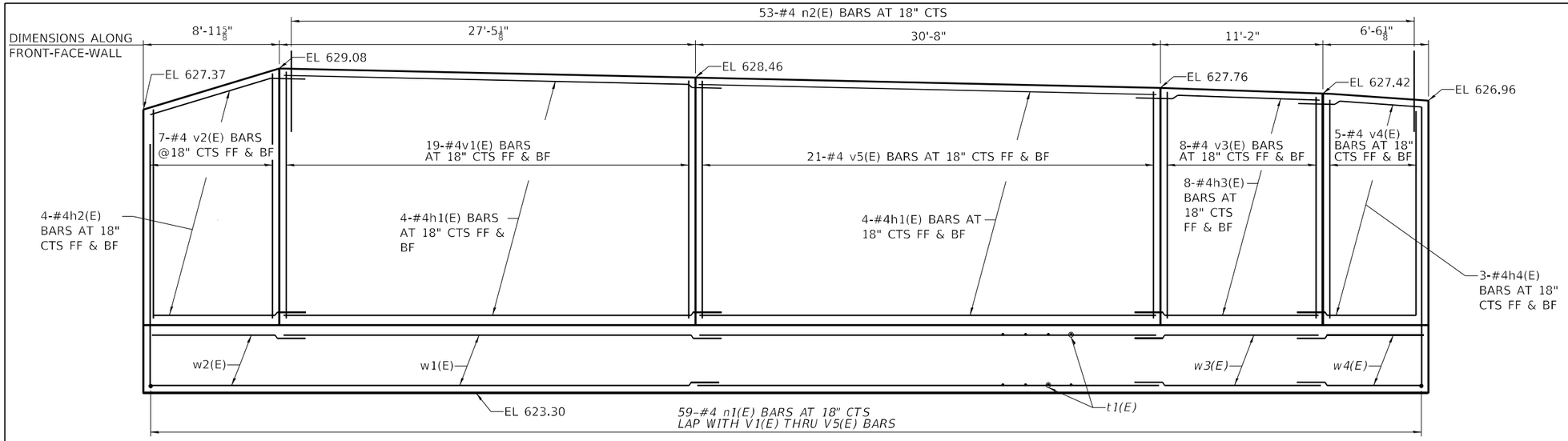
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL
GENERAL PLAN AND ELEVATION
SHEET 1 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	266
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



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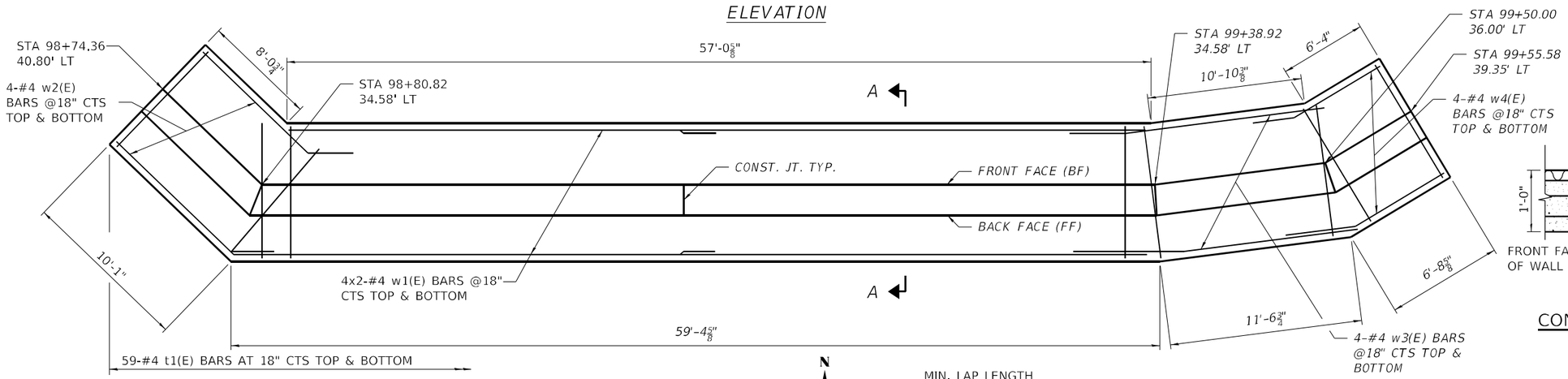
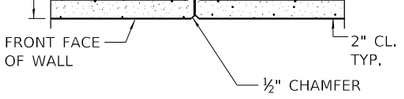
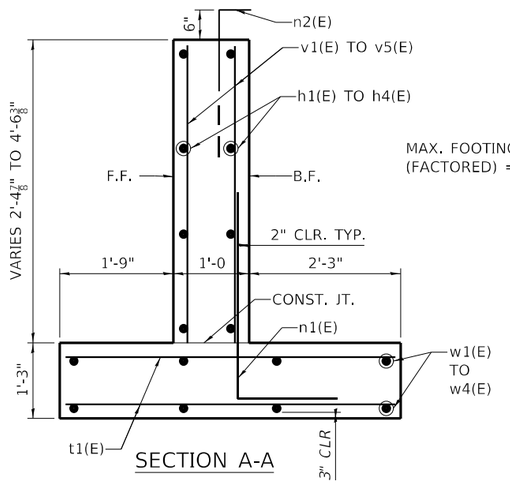


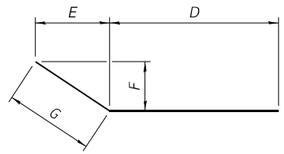


CONSTRUCTION JOINT DETAILS



SECTION A-A

PLAN

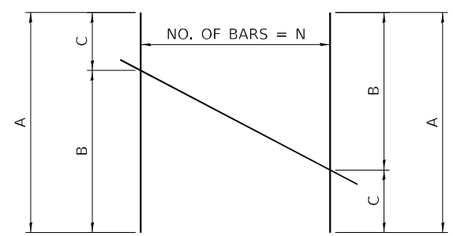


MAX. FOOTING PRESSURE (FACTORED) = 1.34 KSF

Bars w2(E), w3(E), w4(E), h2(E), h3(E), h4(E)

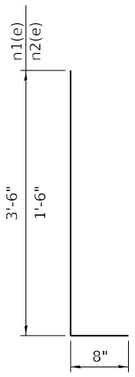
BAR	D	E	F	G
w2(E)	9'-9"	2'-0"	1'-10⅞"	2'-9"
w3(E)	11'-9"	2'-8¾"	0'-4¼"	2'-9"
w4(E)	6'-10"	2'-6¼"	1'-1¼"	2'-9"
h2(E)	8'-11"	2'-0"	1'-10⅞"	2'-9"
h3(E)	11'-2"	2'-8¾"	0'-4¼"	2'-9"
h4(E)	6'-6"	2'-6¼"	1'-1¼"	2'-9"

MIN. LAP LENGTH
#4 BAR = 2'-7"



BAR CUTTING DIAGRAM

BAR	N	A	B	C
v1(E)	19	7'-9"	4'-2"	3'-7"
v2(E)	7	6'-7"	4'-2"	2'-5"
v3(E)	8	5'-4"	2'-10"	2'-6"
v4(E)	5	4'-7"	2'-6"	2'-1"
v5(E)	21	6'-5"	3'-7"	2'-10"



BARS n1(E) AND n2(E)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

DESIGN LOADING

EQUIVALENT FLUID LATERAL SOIL PRESSURE = 50 LBS./CU. FT.
SURCHARGE LOAD OF 200 LBS./SQ. FT.

DESIGN STRESSES FIELD UNITS

f'c = 3,500 PSI
fy = 60,000 PSI (REINFORCEMENT)

GENERAL NOTES

1. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
2. PIPE UNDERDRAINS SHALL BE CONNECTED TO DRAIN INTO THE NEARBY INLET.
3. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" X 3/4" CHAMFER.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO STARTING CONSTRUCTION. CONTACT J.U.L.I.E. AT 800-892-0123.

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h1(E)	16	#4	30'-4"	
h2(E)	8	#4	11'-8"	
h3(E)	6	#4	13'-11"	
h4(E)	6	#4	9'-3"	
n1(E)	59	#4	4'-2"	
n2(E)	53	#4	2'-2"	
t1(E)	59	#4	4'-8"	
v1(E)	19	#4	7'-9"	
v2(E)	7	#4	6'-7"	
v3(E)	8	#4	5'-4"	
v4(E)	5	#4	4'-7"	
v5(E)	21	#4	6'-5"	
w1(E)	16	#4	28'-4"	
w2(E)	8	#4	12'-6"	
w3(E)	8	#4	14'-6"	
w4(E)	8	#4	9'-7"	
CONCRETE STRUCTURES		CU. YD.	30.9	
REINFORCEMENT BARS, EPOXY COATED		LB.	1670	

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QUIGG ENGINEERING INC

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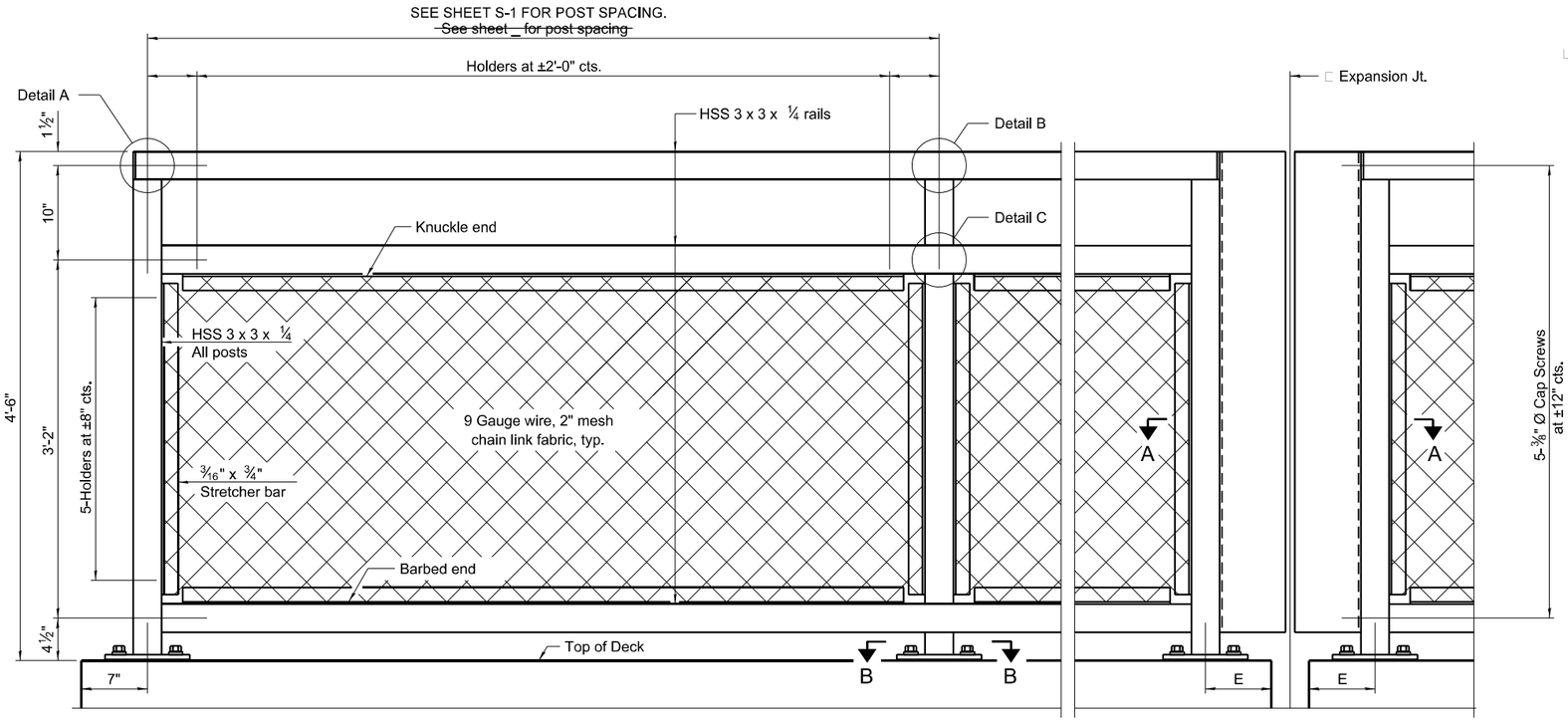
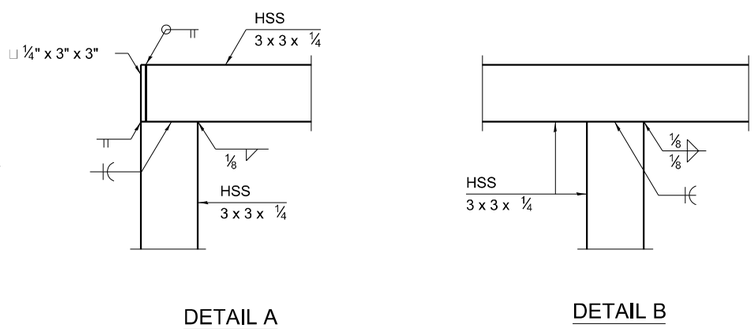
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
SHEET 2 OF 8 SHEETS

RTE.		COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	267
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

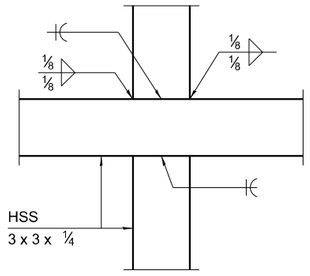


ELEVATION BICYCLE RAILING
(Inside face)

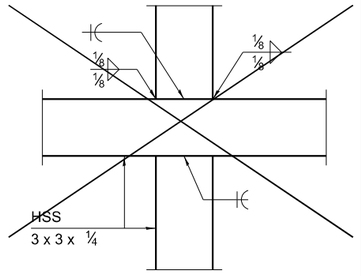


DETAIL A

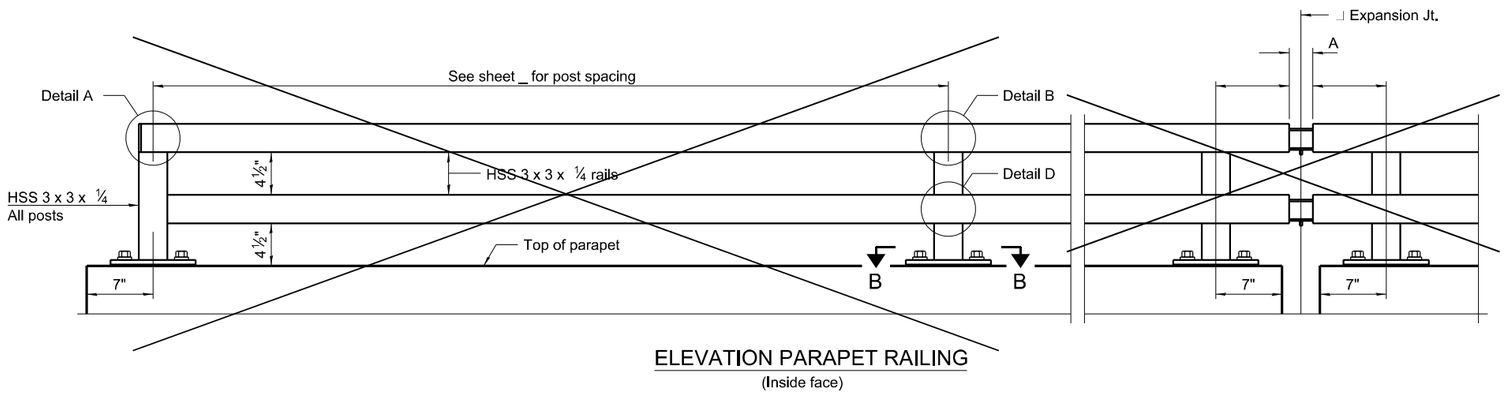
DETAIL B



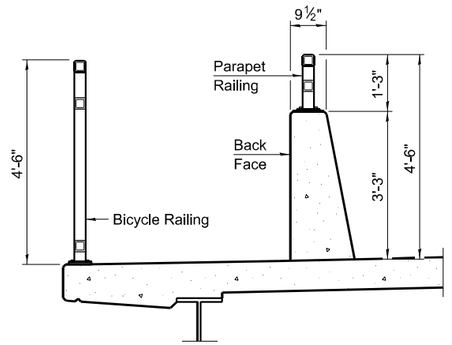
DETAIL C



DETAIL D



ELEVATION PARAPET RAILING
(Inside face)



SECTION THRU DECK

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

R-29 10-27-2023

WORK THIS SHEET WITH S-1 & S-2.
(Sheet 1 of 2)

S-3

QUIGG ENGINEERING INC

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PLOT DATE =	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING AND PARAPET RAILING RETAINING WALL
SHEET 3 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719			336	268
			CONTRACT NO. 62F11	
		ILLINOIS	FED. AID PROJECT	

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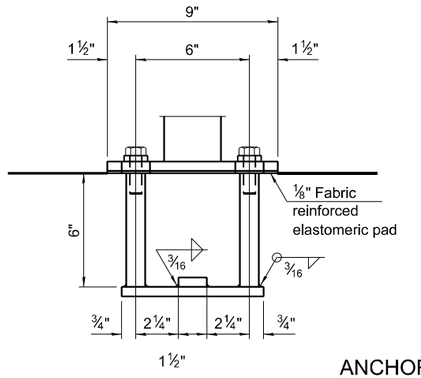
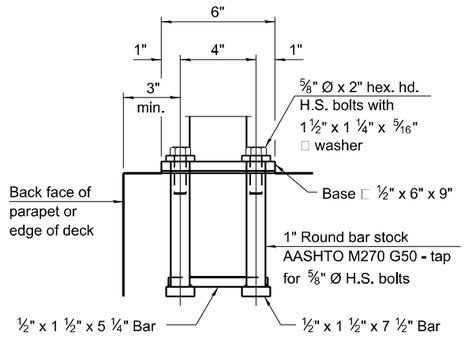
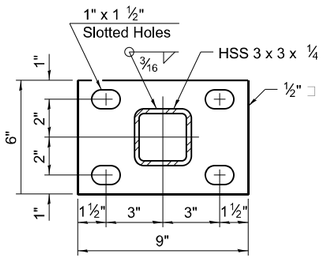




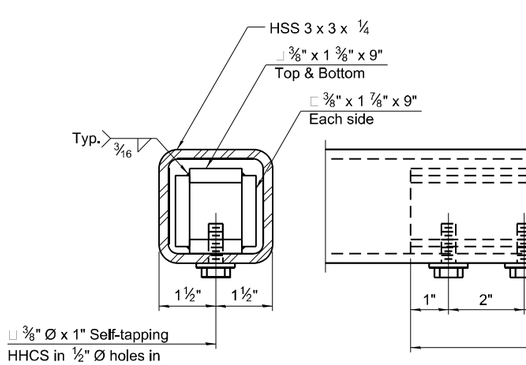
ANCHORAGE ASSEMBLY

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

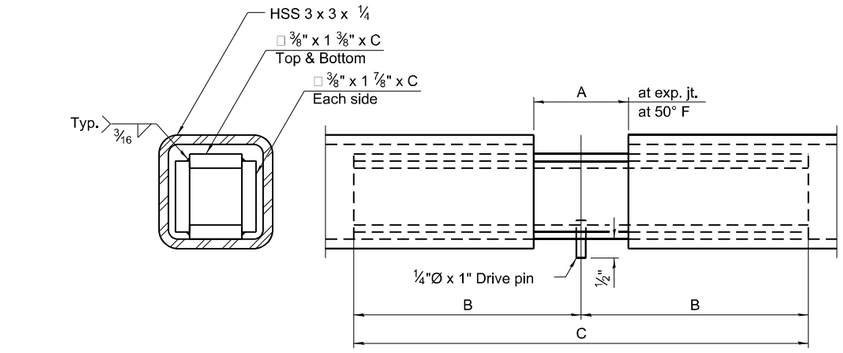
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



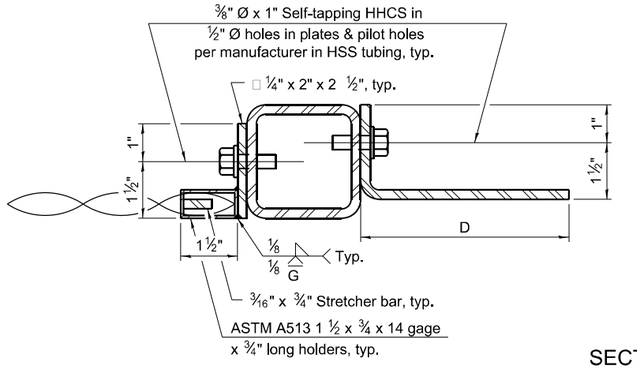
SECTION B-B



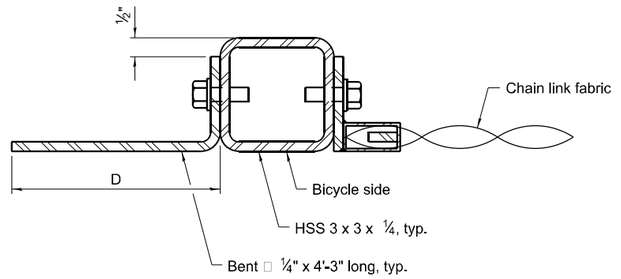
MATERIAL SPLICE



EXPANSION SPLICE



SECTION A-A



Notes:

Place reinforcement bars to miss anchor rod locations.

CVN testing is not required for the HSS tubing used in the Bicycle Railing.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.

~~See sheet _ of _ for dimensions of concrete openings at expansion joints.~~

ALL STEEL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS.

TABLE OF DIMENSIONS

Location	T	A	B	C	D	E
Over Strip Seal Jt.	≤4"	2½"	1'-2"	2'-4"	7¼"	7"
Over Finger or Modular Jt.	≤9 ½"	5½"	1'-7 ¾"	3'-3 ½"		
Over Finger or Modular Jt.	≤15"	8¼"	2'-1 ¼"	4'-2 ½"		

T= ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	105
~~Parapet Railing~~	Foot	

WORK THIS SHEET WITH S-1 & S-2.

R-29 10-27-2023

(Sheet 2 of 2) S-4

QUIGG ENGINEERING INC

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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING AND PARAPET RAILING RETAINING WALL

SHEET 4 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719			336	269

CONTRACT NO. 62F11

ILLINOIS | FED. AID PROJECT

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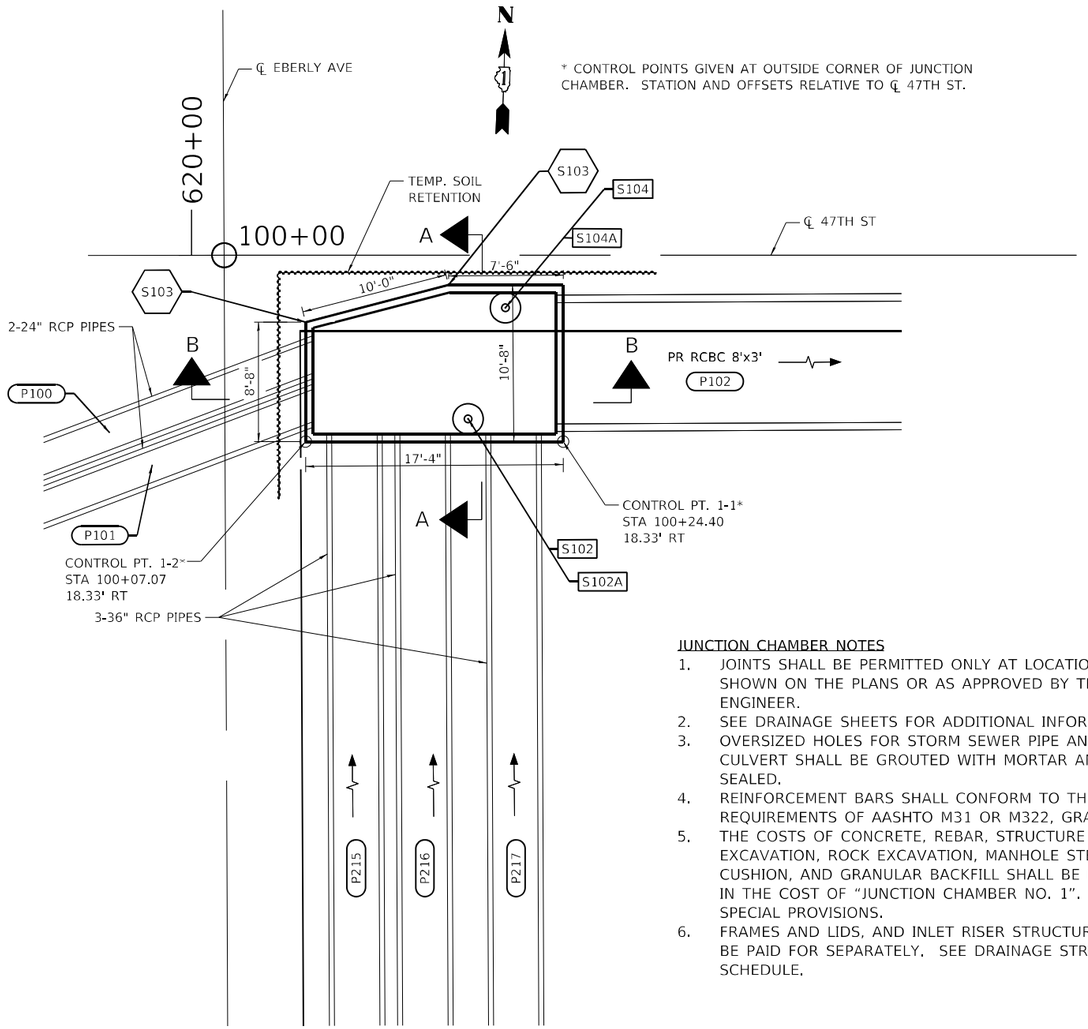


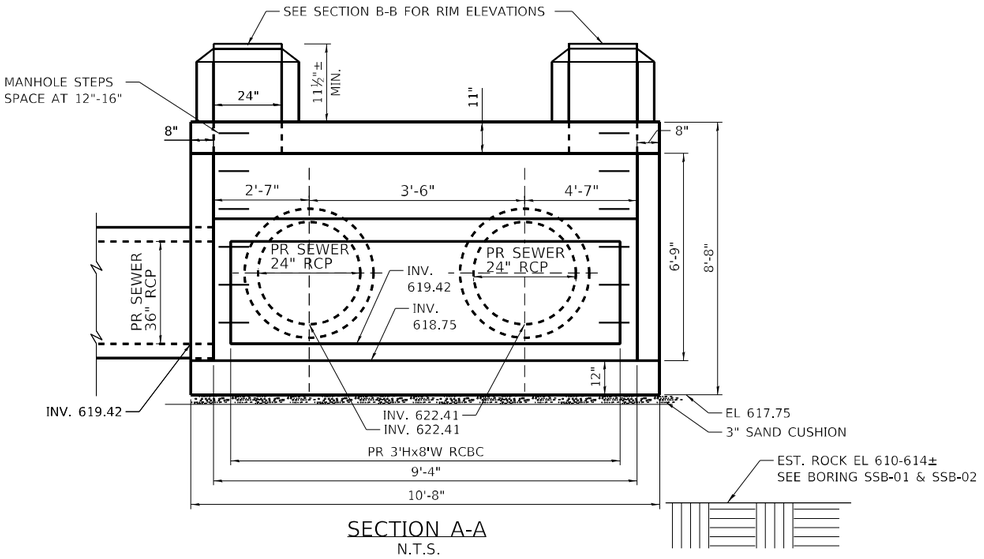
* CONTROL POINTS GIVEN AT OUTSIDE CORNER OF JUNCTION CHAMBER. STATION AND OFFSETS RELATIVE TO ℄ 47TH ST.

PLAN
SCALE: 1"=5'
S103
STA 619+89.20 (EBERLY AVE)
STA 100+18.56 (47TH ST)

JUNCTION CHAMBER NOTES

1. JOINTS SHALL BE PERMITTED ONLY AT LOCATIONS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
2. SEE DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
3. OVERSIZED HOLES FOR STORM SEWER PIPE AND BOX CULVERT SHALL BE GROUTED WITH MORTAR AND SEALED.
4. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M322, GRADE 60.
5. THE COSTS OF CONCRETE, REBAR, STRUCTURE EXCAVATION, ROCK EXCAVATION, MANHOLE STEPS, SAND CUSHION, AND GRANULAR BACKFILL SHALL BE INCLUDED IN THE COST OF "JUNCTION CHAMBER NO. 1". SEE SPECIAL PROVISIONS.
6. FRAMES AND LIDS, AND INLET RISER STRUCTURES SHALL BE PAID FOR SEPARATELY. SEE DRAINAGE STRUCTURE SCHEDULE.

NOTE:
MANHOLE STEPS WILL BE INSTALLED ACCORDING TO STANDARD 602701-02 AT EACH ACCESS POINT FOR EACH JUNCTION CHAMBER.



SECTION A-A
N.T.S.

SECTION B-B
N.T.S.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
JUNCTION CHAMBER NO. 1	EACH	1

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QUIGG ENGINEERING INC

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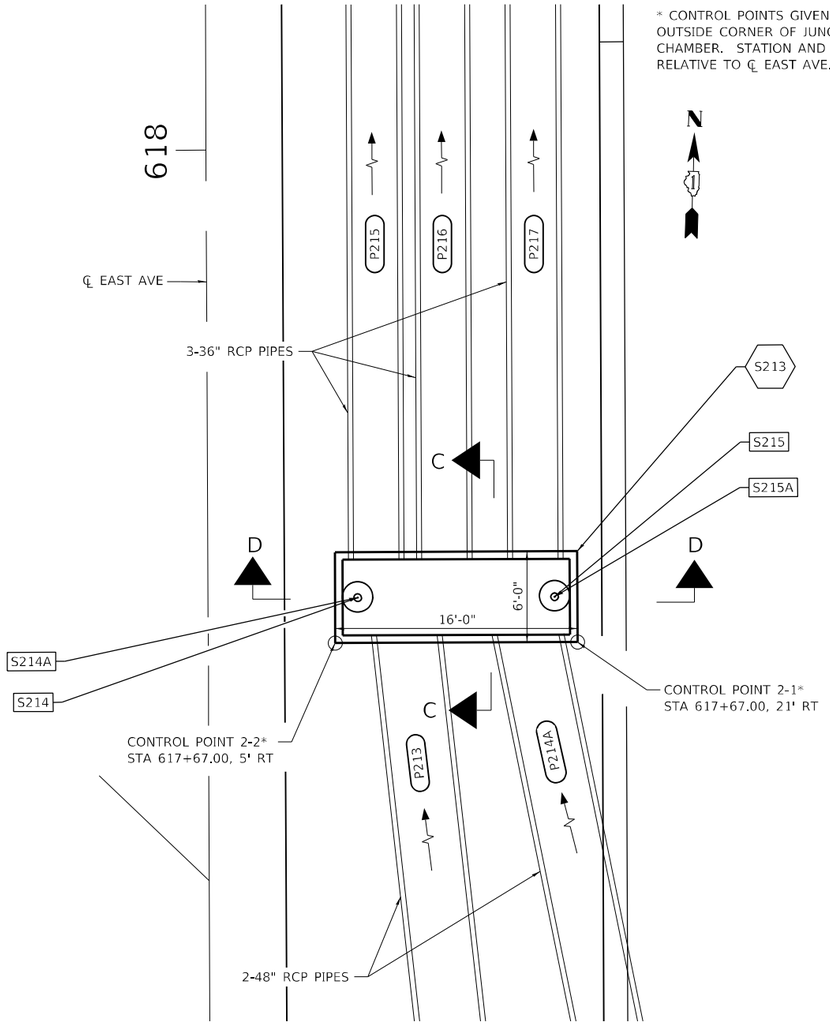
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
JUNCTION CHAMBER PLAN AND SECTIONS (1 OF 4)
SHEET 5 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	270
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



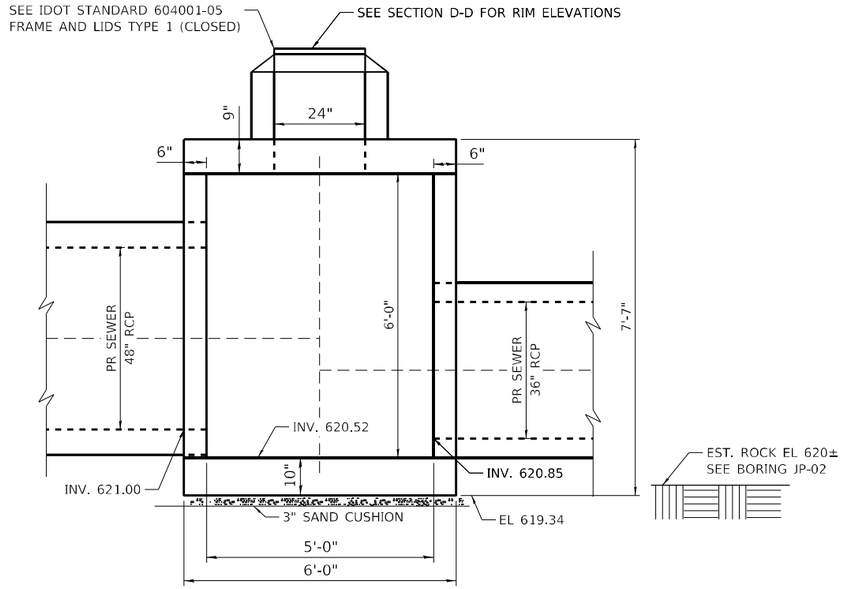
* CONTROL POINTS GIVEN AT OUTSIDE CORNER OF JUNCTION CHAMBER. STATION AND OFFSETS RELATIVE TO ℄ EAST AVE.

PLAN
SCALE: 1"=5'
S213
STA 617+70.00 (EAST AVE)

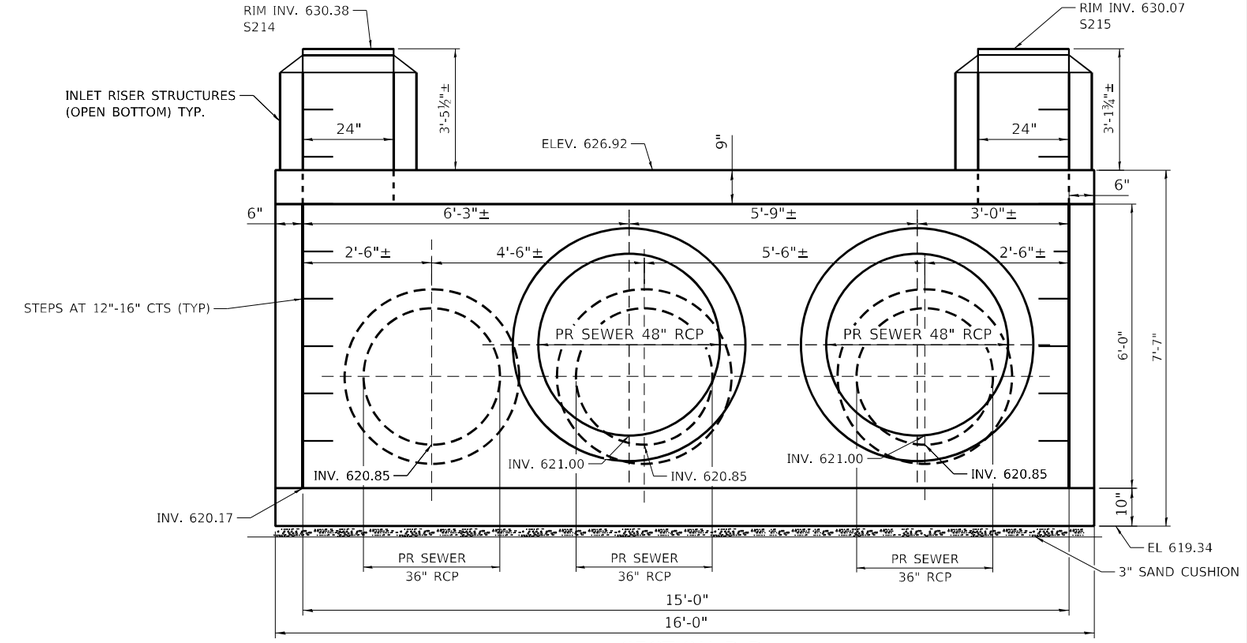
JUNCTION CHAMBER NOTES

1. JOINTS SHALL BE PERMITTED ONLY AT LOCATIONS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
2. SEE DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
3. OVERSIZED HOLES FOR STORM SEWER PIPE AND BOX CULVERT SHALL BE GROUTED WITH MORTAR AND SEALED.
4. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M322, GRADE 60.
5. THE COSTS OF CONCRETE, REBAR, STRUCTURE EXCAVATION, ROCK EXCAVATION, MANHOLE STEPS, SAND CUSHION, AND GRANULAR BACKFILL SHALL BE INCLUDED IN THE COST OF "JUNCTION CHAMBER NO. 2". SEE SPECIAL PROVISIONS.
6. FRAMES AND LIDS, AND INLET RISER STRUCTURES SHALL BE PAID FOR SEPERATELY. SEE DRAINAGE STRUCTURE SCHEDULE.

NOTE:
MANHOLE STEPS WILL BE INSTALLED ACCORDING TO STANDARD 602701-02 AT EACH ACCESS POINT FOR EACH JUNCTION CHAMBER.



SECTION C-C
N.T.S.



SECTION D-D
N.T.S.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
JUNCTION CHAMBER NO. 2	EACH	1

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QUIGG ENGINEERING INC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
JUNCTION CHAMBER PLAN AND SECTIONS (2 OF 4)

SHEET 6 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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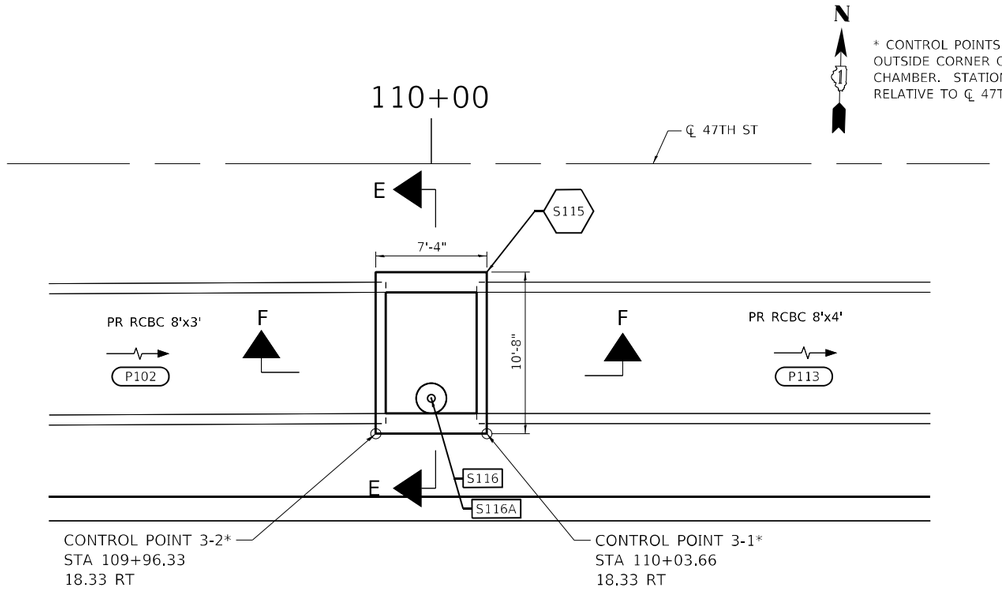
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



PLAN
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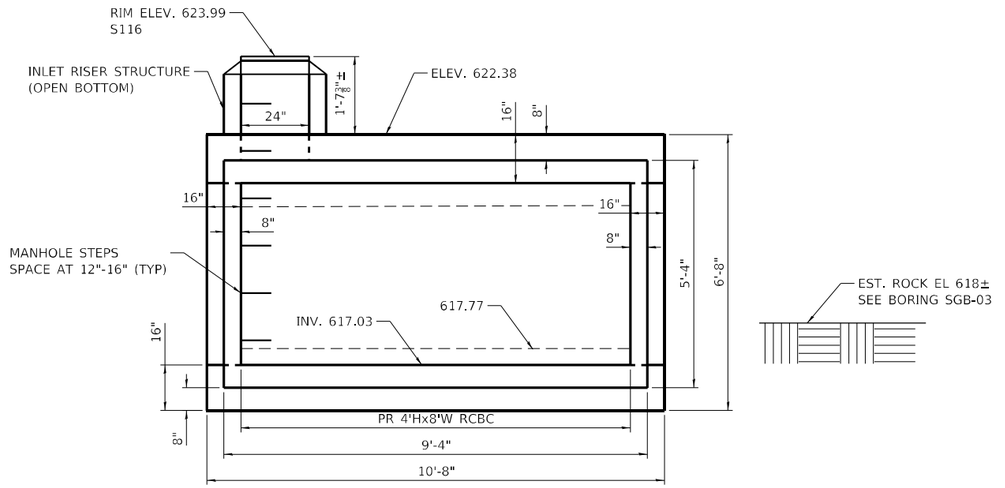
S115
STA 110+00

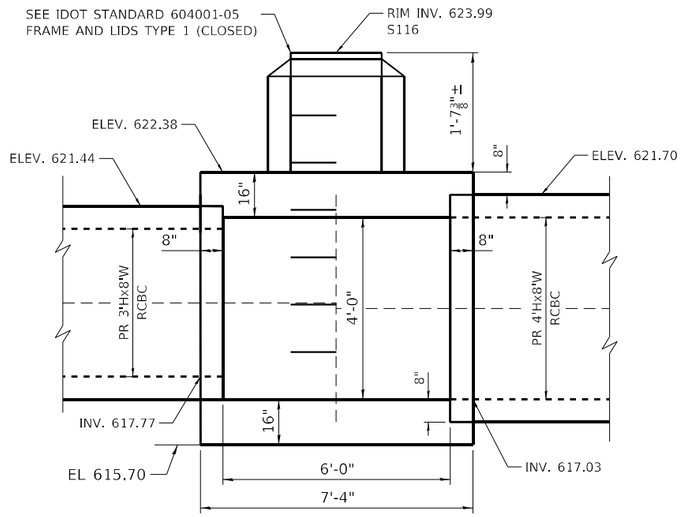


SECTION E-E
N.T.S.

NOTE:
MANHOLE STEPS WILL BE INSTALLED ACCORDING TO STANDARD 602701-02 AT EACH ACCESS POINT FOR EACH JUNCTION CHAMBER.

JUNCTION CHAMBER NOTES

1. JOINTS SHALL BE PERMITTED ONLY AT LOCATIONS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
2. SEE DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
3. OVERSIZED HOLES FOR STORM SEWER PIPE AND BOX CULVERT SHALL BE GROUTED WITH MORTAR AND SEALED.
4. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M322, GRADE 60.
5. THE COSTS OF CONCRETE, REBAR, STRUCTURE EXCAVATION, ROCK EXCAVATION, MANHOLE STEPS, SAND CUSHION, AND GRANULAR BACKFILL SHALL BE INCLUDED IN THE COST OF "JUNCTION CHAMBER NO. 3". SEE SPECIAL PROVISIONS.
6. FRAMES AND LIDS, AND INLET RISER STRUCTURES SHALL BE PAID FOR SEPERATELY. SEE DRAINAGE STRUCTURE SCHEDULE.



SECTION F-F
N.T.S.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
JUNCTION CHAMBER NO. 3	EACH	1

MODEL: Default
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3/5/2024 11:01:09 AM

QUIGG ENGINEERING INC

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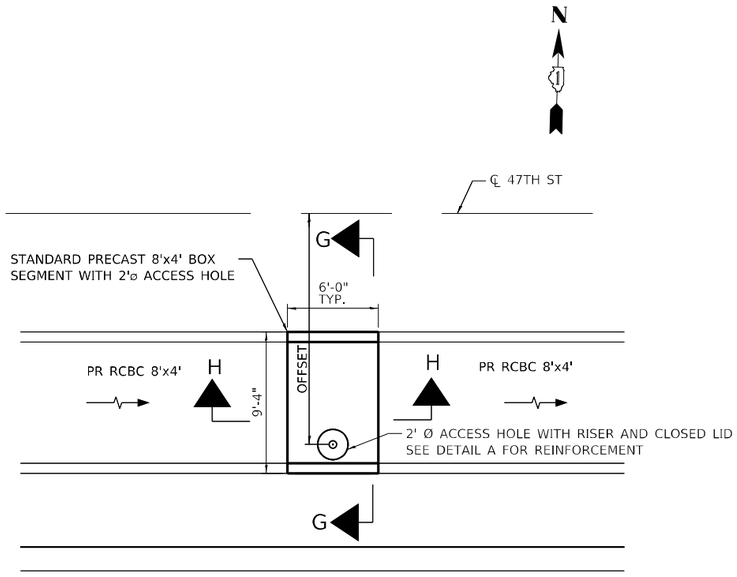
PLOT SCALE = 10.0010 ' / in.		DRAWN - JBB		REVISED -
PLOT DATE = 3/5/2024		CHECKED - SD		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
JUNCTION CHAMBER PLAN AND SECTIONS (3 OF 4)

SHEET 7 OF 8 SHEETS

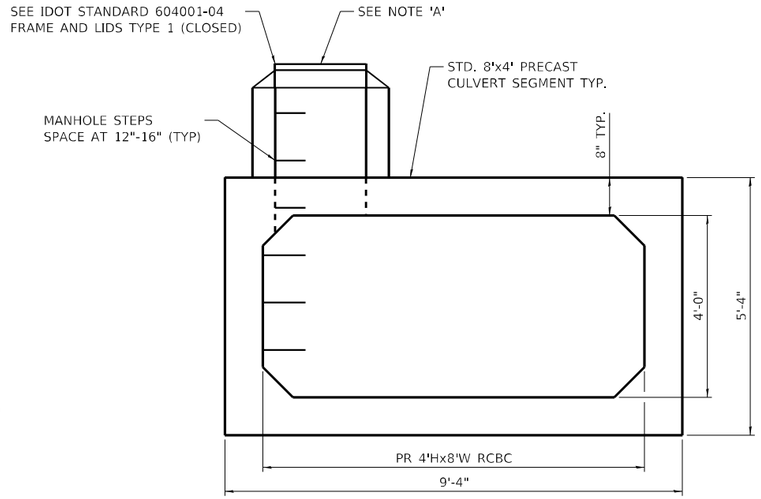
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	272
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



PLAN

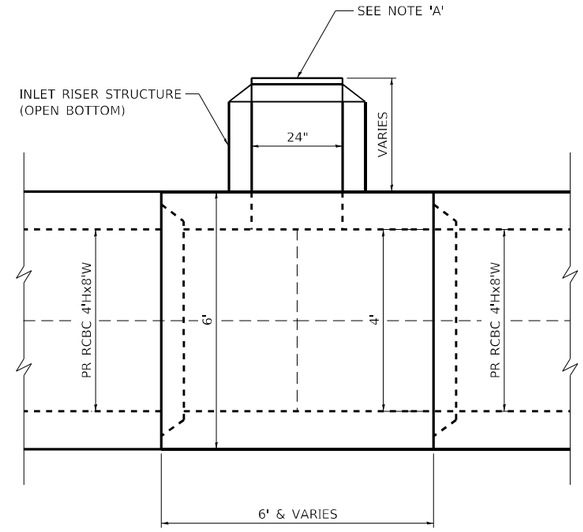
SCALE: 1"=5'
STA 105+00 (47TH ST) S109A/ S109B
STA 115+40 (47TH ST) S121A/ S121B
STA 120+50 (47TH ST) S125/ S125A
STA 125+14 (47TH ST) S130A/ S130B

NOTE A:
SEE DRAINAGE STRUCTURE SCHEDULE SHEET PDP-13 FOR STATION, OFFSET AND RIM ELEVATION OF ACCESS RISER LID.



SECTION G-G

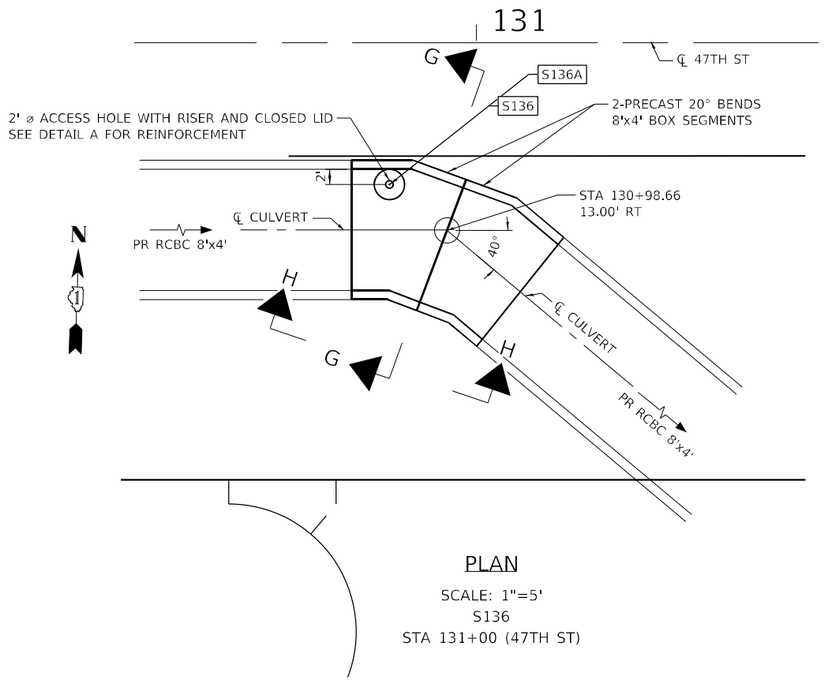
N.T.S.



SECTION H-H

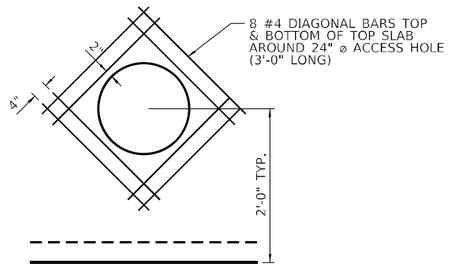
N.T.S.

PRECAST NOTES
1. SEE DRAINAGE SHEETS FOR ADDITIONAL INFORMATION.
2. THE COST OF PRECAST CULVERT BENDS AND PRECAST CULVERT ACCESS HOLES SHALL BE INCLUDED IN THE COST FOR "PRECAST CONCRETE BOX CULVERTS"OF THE SIZE SPECIFIED.
3. FRAMES AND LIDS, AND INLET RISER STRUCTURES SHALL BE PAID FOR SEPERATELY. SEE DRAINAGE STRUCTURE SCHEDULE.



PLAN

SCALE: 1"=5'
S136
STA 131+00 (47TH ST)



DETAIL A

PLAN AT 2'Ø ACCESS HOLE

NOTE

MANHOLE STEPS WILL BE INSTALLED ACCORDING TO STANDARD 602701-02 AT EACH ACCESS POINT.

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	PLOT SCALE = 10.0010 ' / in.	DRAWN - JBB	REVISED -	
	PLOT DATE = 3/5/2024	CHECKED - SD	REVISED -	

EAST AVENUE AT 47TH STREET
JUNCTION CHAMBER PLAN AND SECTIONS (4 OF 4)
SHEET 8 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	273
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

3/5/2024 11:02:38 AM

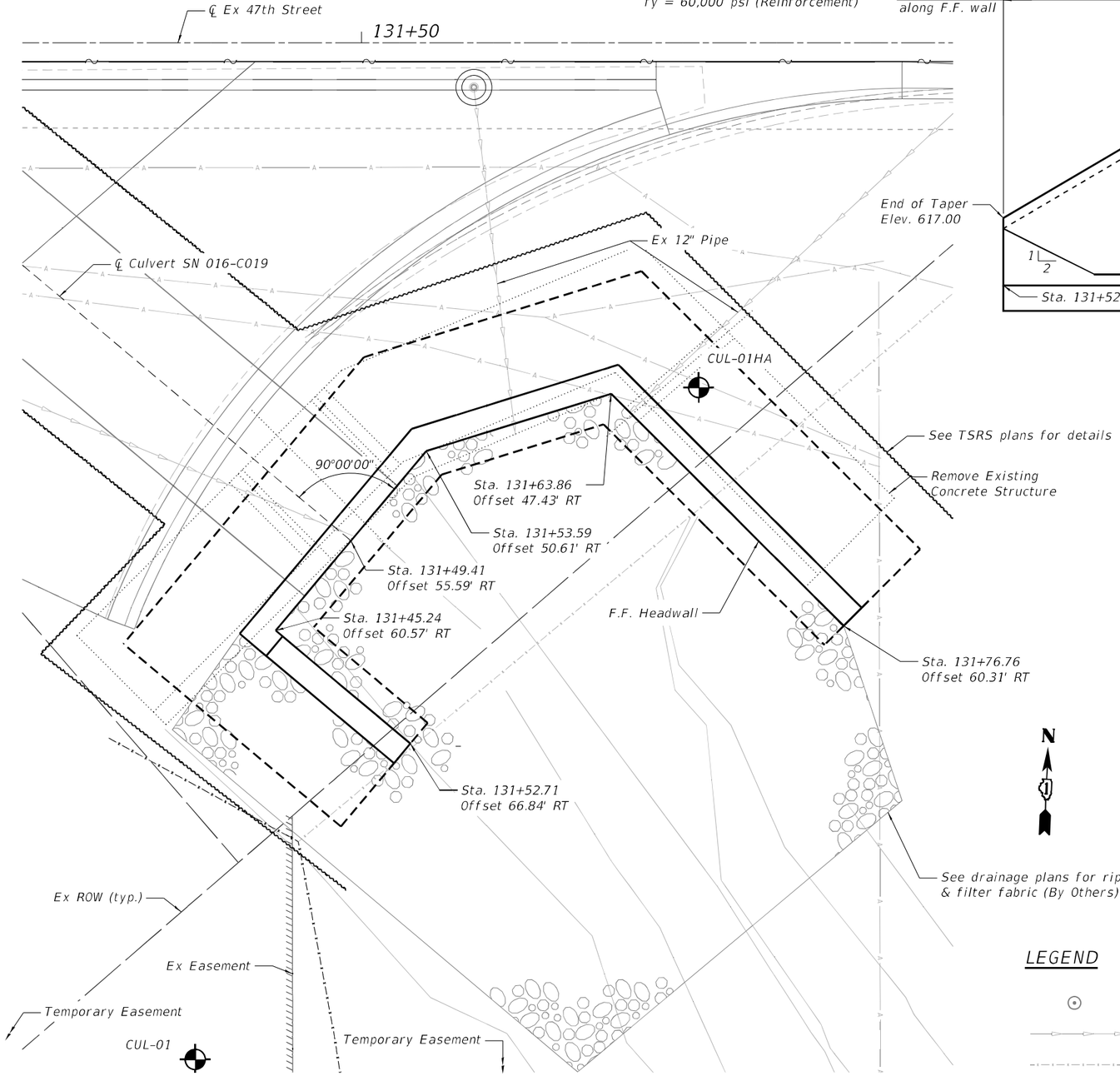
DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

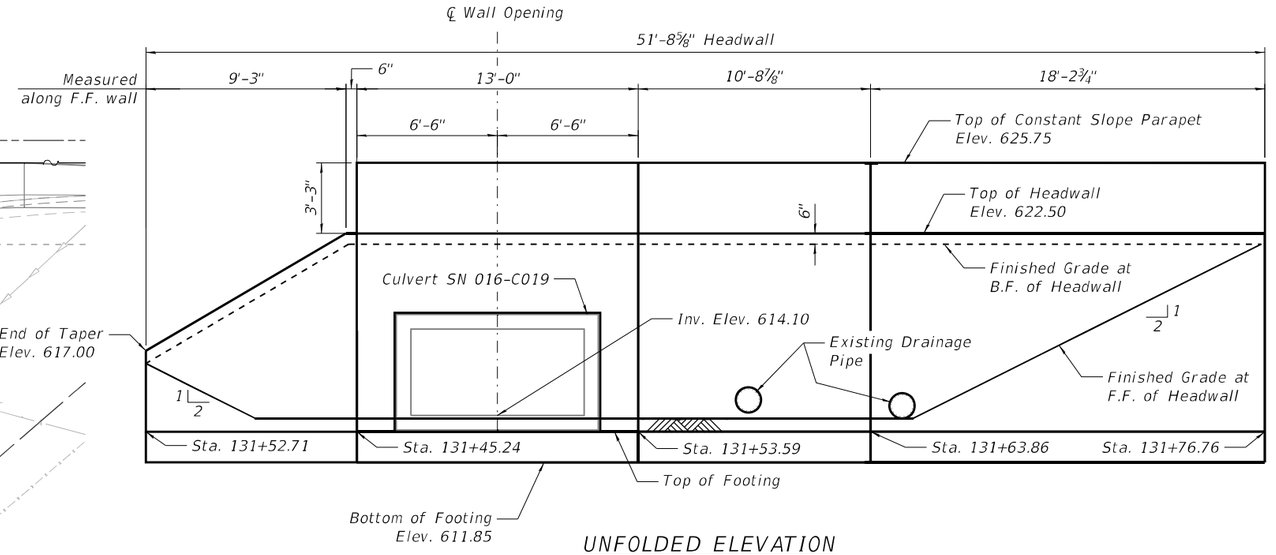
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
f'c = 4,000 psi (Parapet)
fy = 60,000 psi (Reinforcement)



PLAN



UNFOLDED ELEVATION

(Looking at Front Face)

GENERAL NOTES

1. The Contractor shall field verify existing sewers, dimensions, details, and proposed culvert affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Headwall and parapet stations and offsets are measured from the ℄ Ex. 47th Street.
3. Protective coat shall be applied to traffic face of parapet.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Parapet shall be Concrete Superstructure.
6. PJF included in cost of Concrete Structures.
7. Headwall stem to be formed and poured after precast culvert set in place.
8. All exposed concrete edges shall have ¾" x ¾" chamfer.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Removal of Existing Structures	Each	1
Structural Excavation	Cu. Yd.	196
Rock Excavation for Structures	Cu. Yd.	14
Concrete Structures	Cu. Yd.	47.1
Concrete Superstructure	Cu. Yd.	6.2
Protective Coat	Sq. Yd.	24
Reinforcement Bars, Epoxy Coated	Pound	8,020
Granular Backfill for Structures	Cu. Yd.	61
Geocomposite Wall Drain	Sq. Yd.	39
Pipe Underdrains for Structures, 4"	Foot	71

LEGEND

- Proposed Manhole
- Existing Storm Sewer
- Existing Fence
- Existing Aerial Power Lines
- Existing Headwall

GENERAL PLAN AND ELEVATION HEADWALL ALONG 47TH STREET F.A.U. RTE. 2719 (EAST AVENUE) SEC. 3212TS-RR COOK COUNTY STATION 131+31.86 TO 131+82.05

S-9

MODEL: Default
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3/11/2024 8:46:51 AM

RS&H

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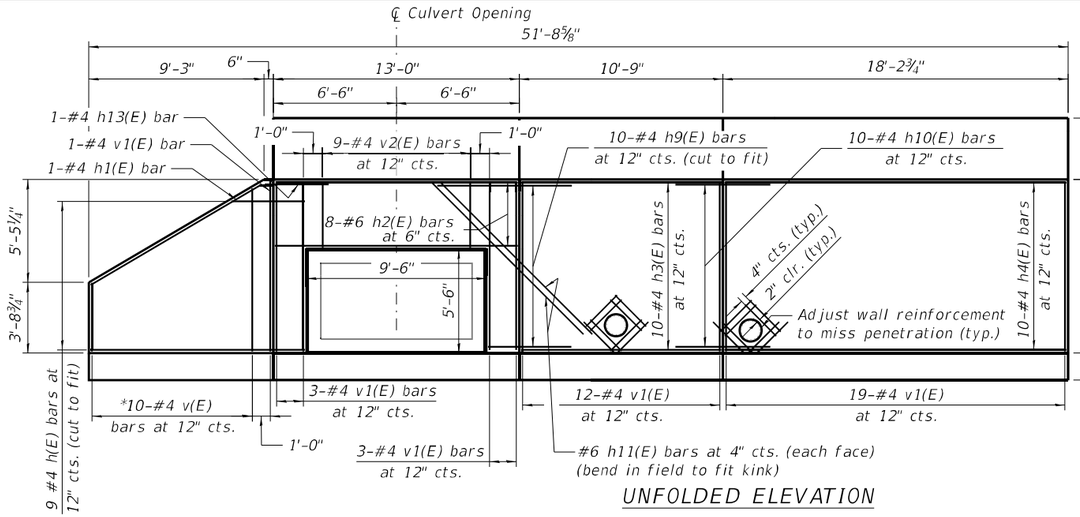
	CHECKED - JGT 03/15/2024	REVISED -		
PLOT SCALE = 7.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 9 OF 28 SHEETS
PLOT DATE = 3/11/2024	CHECKED - JGT 03/15/2024	REVISED -		

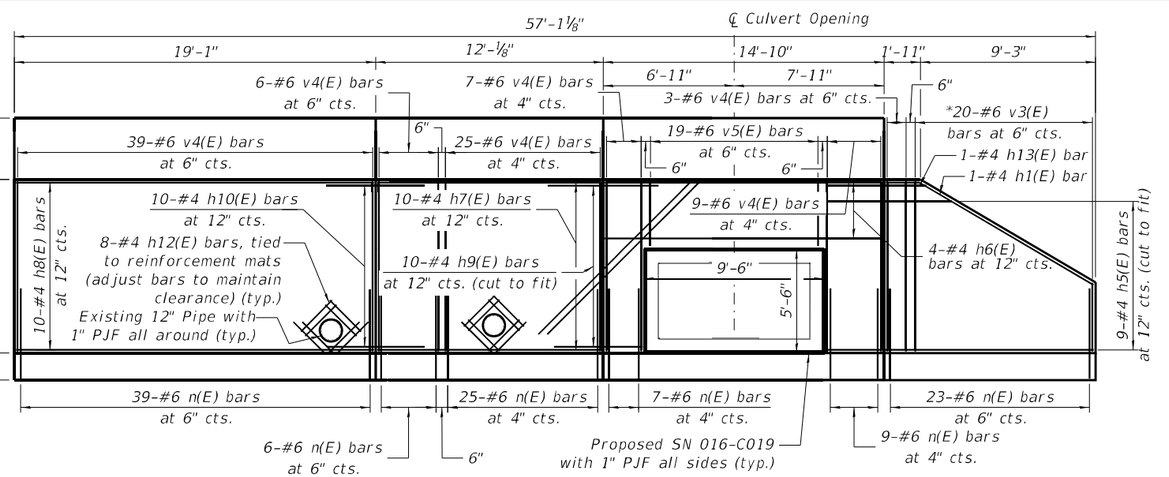
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	274
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



UNFOLDED ELEVATION

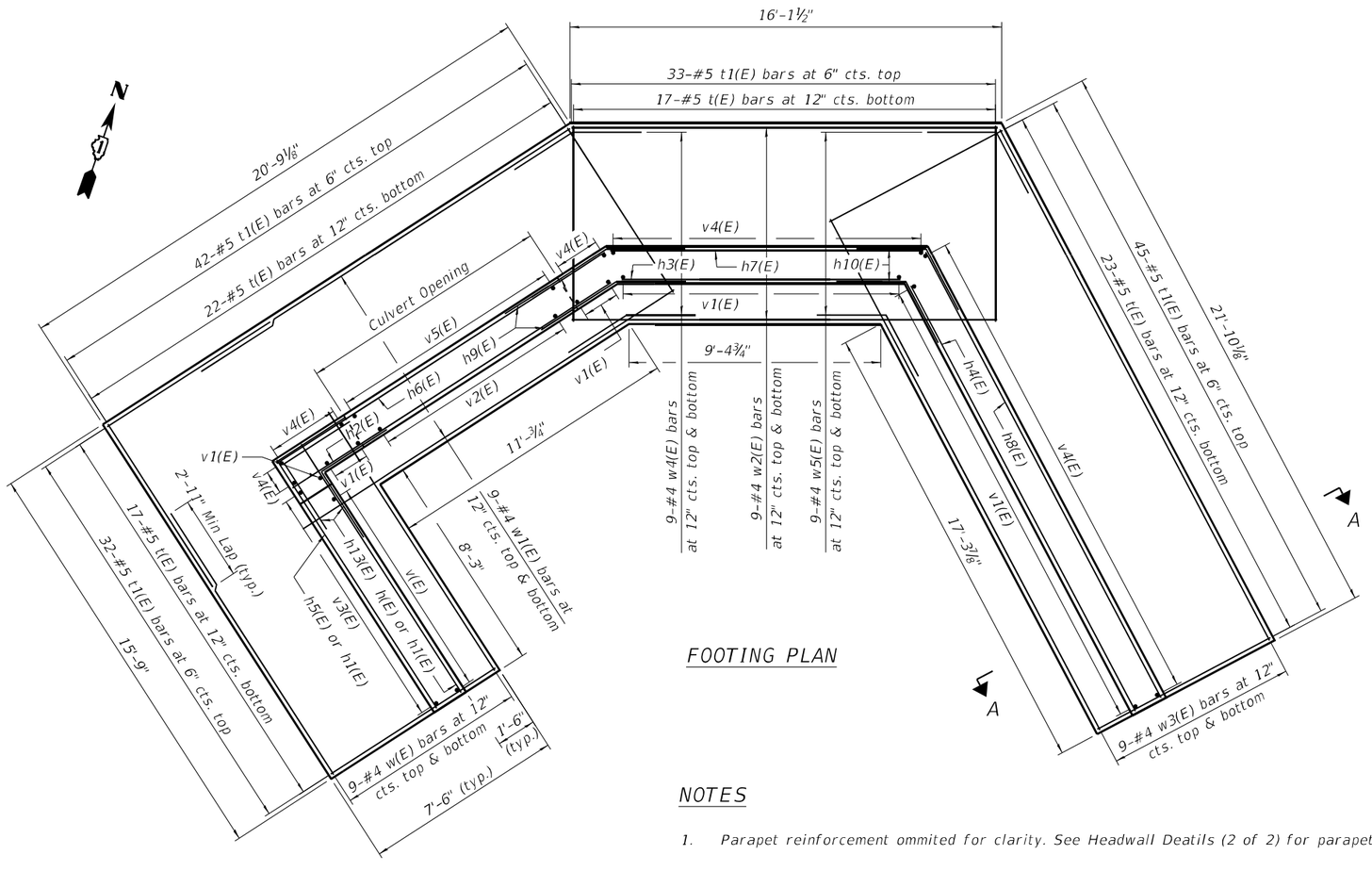
(Looking at Front Face of Headwall)

* See field cutting diagram

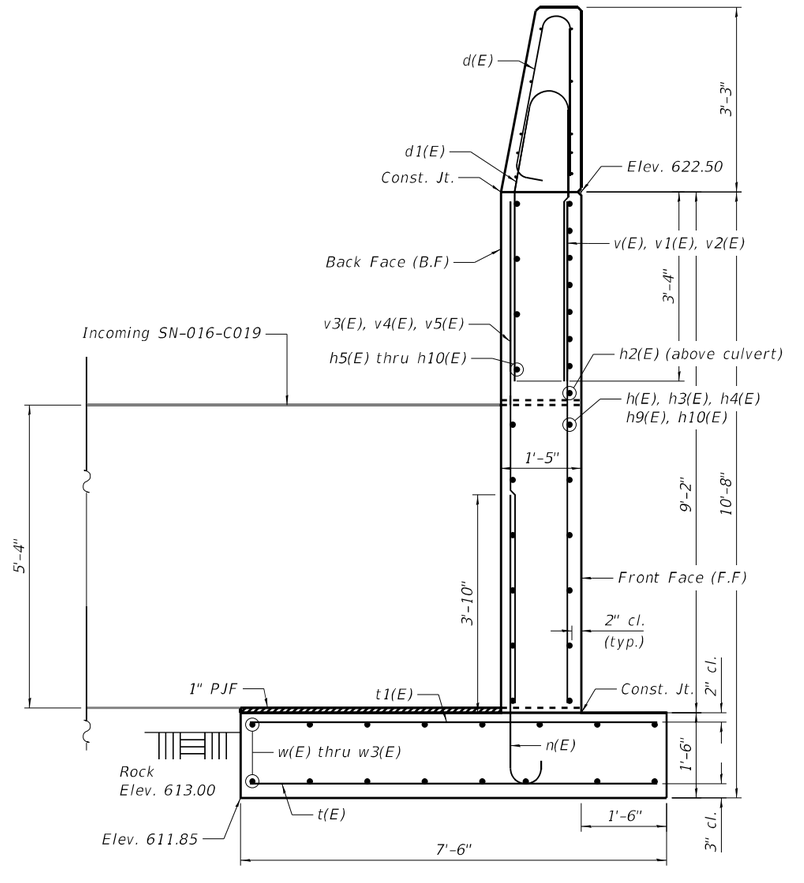


UNFOLDED ELEVATION

(Looking at Back Face of Headwall)



FOOTING PLAN



SECTION A-A

NOTES

1. Parapet reinforcement ommited for clarity. See Headwall Deatils (2 of 2) for parapet reinforcement.

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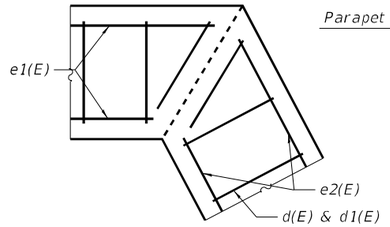
PLOT DATE = 3/11/2024	CHECKED - JGT 03/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

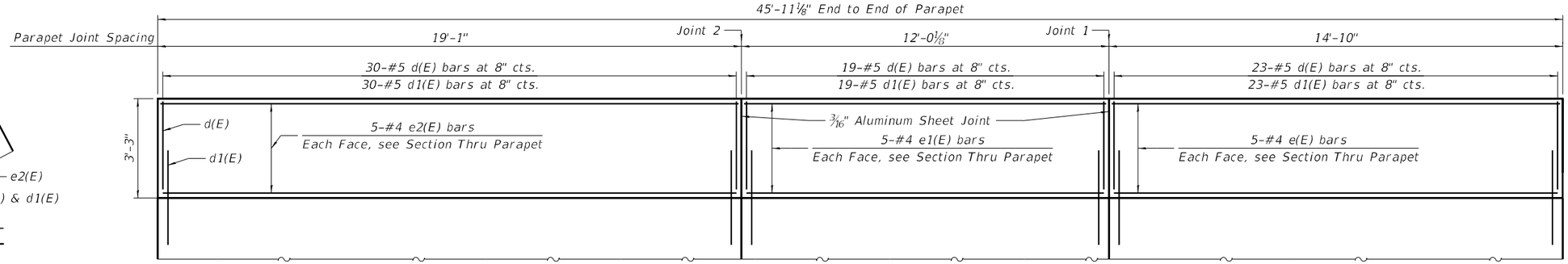
HEADWALL DETAILS (1 OF 2)
HEADWALL
SHEET 10 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	275
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



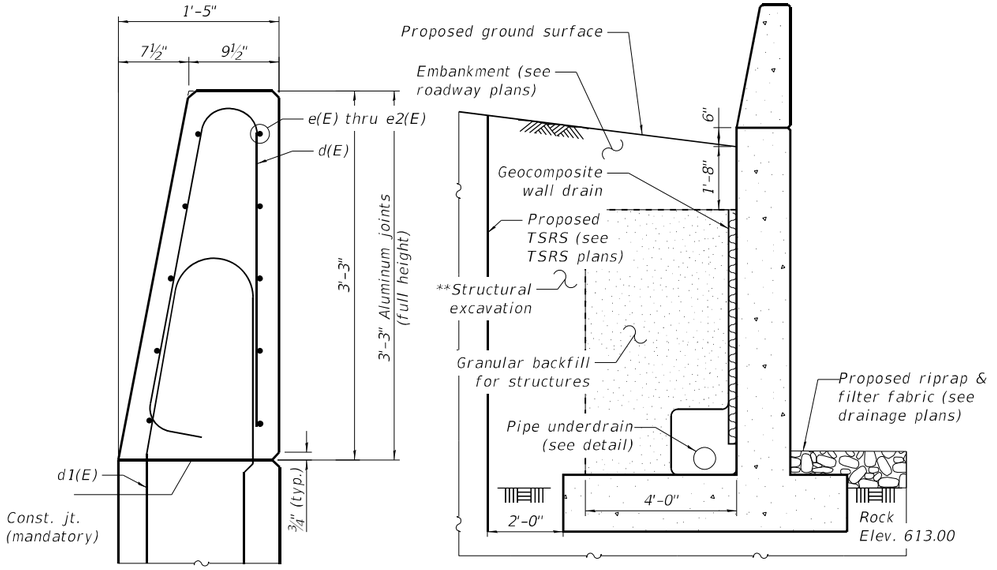
PARAPET REINFORCMENT AT HEADWALL KINK

Joint 2 shown. Joint 1 similair.
Cut e(E), e1(E), e2(E) bars at FF to fit.



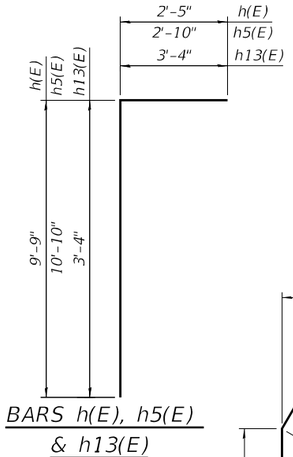
UNFOLDED INSIDE ELEVATION OF PARAPET

Headwall reinforcing not shown for clarity

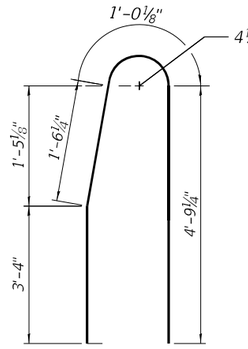


SECTION THRU PARAPET

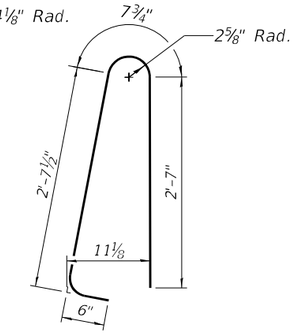
PIPE UNDERDRAIN THRU SECTION



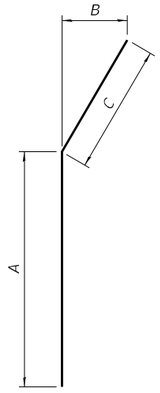
BARS h(E), h5(E) & h13(E)



BAR d1(E)

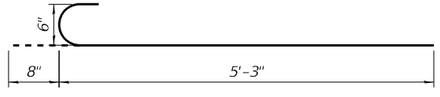


BAR d(E)



BARS h1(E). h9(E) thru h11(E), w4(E), & w5(E)

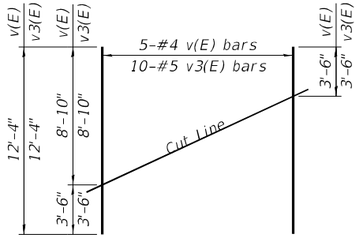
Bar	A	B	C
h1(E)	10'-7"	10¼"	1'-8"
h9(E)	3'-4"	1'-7"	2'-11"
h10(E)	2'-11"	2'-7"	2'-11"
w4(E)	2'-11"	1'-7"	2'-11"
w5(E)	2'-11"	2'-7"	2'-11"



BAR n(E)

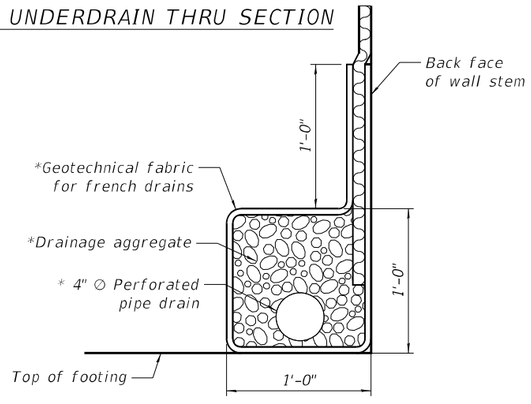
HEADWALL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	72	#5	6'-5"	
d1(E)	72	#5	10'-8"	
e(E)	10	#4	14'-6"	
e1(E)	10	#4	11'-8"	
e2(E)	10	#4	18'-9"	
h(E)	9	#4	12'-2"	
h1(E)	2	#4	12'-3"	
h2(E)	8	#6	14'-1"	
h3(E)	10	#4	10'-5"	
h4(E)	10	#4	17'-11"	
h5(E)	9	#4	13'-8"	
h6(E)	4	#4	14'-4"	
h7(E)	10	#4	11'-10"	
h8(E)	10	#4	18'-9"	
h9(E)	20	#4	6'-3"	
h10(E)	20	#4	5'-10"	
h11(E)	4	#6	11'-3"	
h12(E)	32	#4	2'-4"	
h13(E)	2	#4	6'-8"	
n(E)	109	#6	5'-11"	
t(E)	79	#5	7'-2"	
t1(E)	152	#5	7'-2"	
v(E)	5	#4	12'-4"	
v1(E)	38	#4	8'-11"	
v2(E)	9	#4	3'-4"	
v3(E)	10	#6	12'-4"	
v4(E)	89	#6	8'-11"	
v5E)	19	#6	3'-4"	
w(E)	18	#4	11'-2"	
w1(E)	18	#4	16'-2"	
w2(E)	18	#4	15'-9"	
w3(E)	18	#4	21'-6"	
w4(E)	18	#4	5'-10"	
w5(E)	18	#4	5'-10"	
Reinforcement Bars, Epoxy Coated		Pound	8,020	
Concrete Structures		Cu. Yd.	47.1	
Concrete Superstructures		Cu. Yd.	6.2	



FIELD CUTTING DIAGRAM

Order bars full length.
Cut as shown.



PIPE UNDERDRAIN DETAIL

* Included in the cost of "Pipe Underdrains for Structures, 4"."
** Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

NOTES

1. The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
2. Reinforcement bars shall not pass thru aluminum sheets.

S-11

RS&H

USER NAME = Merkell.	DESIGNED - BPK	03/15/2024	REVISED -	
	CHECKED - JGT	03/15/2024	REVISED -	
PLOT SCALE = 4.0000 ' / in.	DRAWN - LPM	03/15/2024	REVISED -	
PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HEADWALL DETAIL (2 OF 2)
HEADWALL

SHEET 11 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	276
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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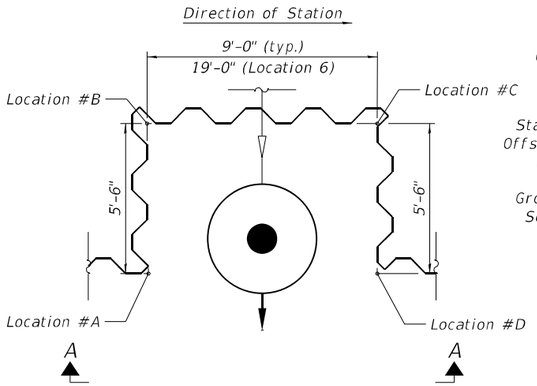
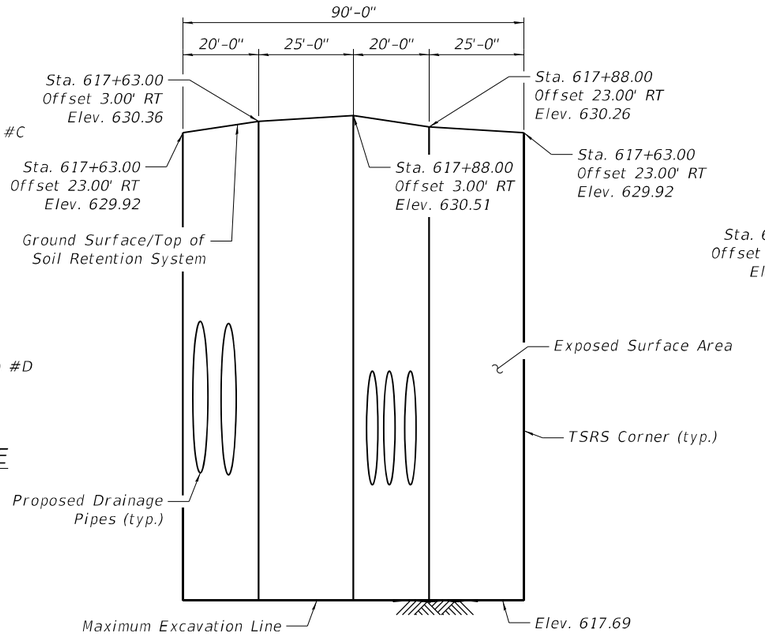


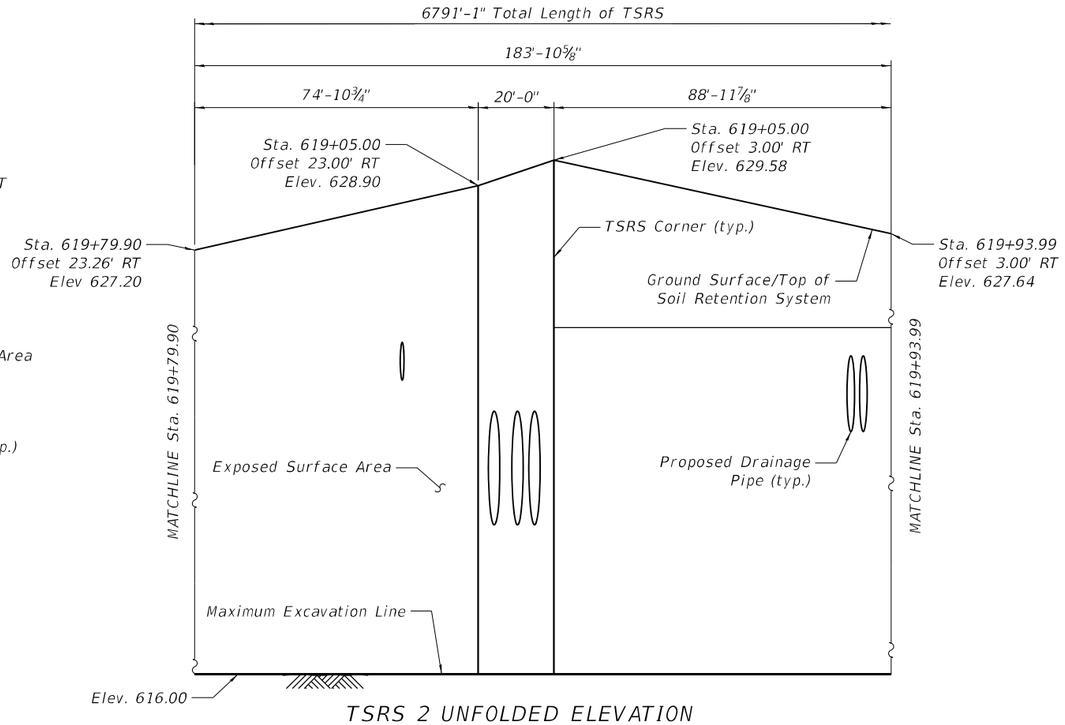
TSRS GEOMETRY AT DRAINAGE STRUCTURE DETAIL "A"

Where "#" indicates the location called out in PLAN view. Drainage structure along North Front Face shown, South Front Face similar.



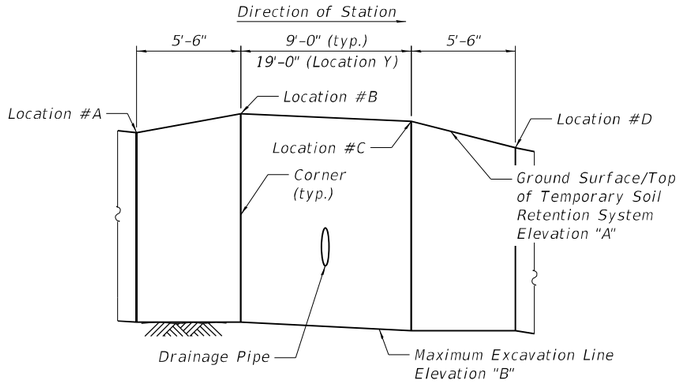
TSRS 1 UNFOLDED ELEVATION

(Looking at Front Face)



TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

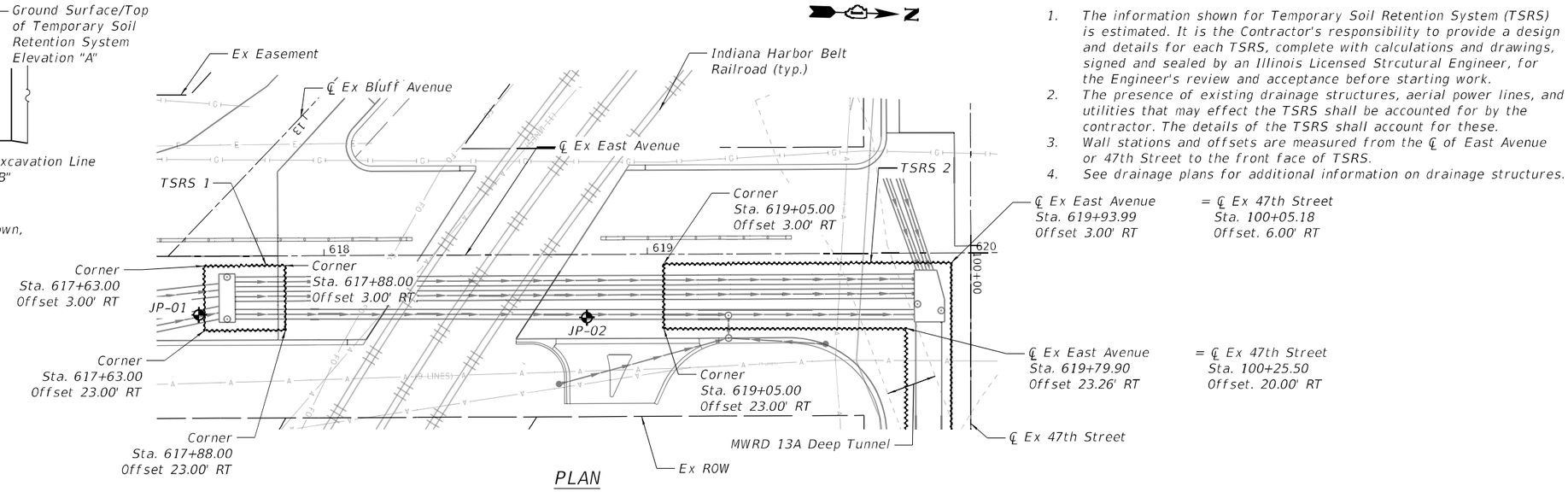


UNFOLDED VIEW A-A

Drainage structure along North Front Face shown, South Front Face similar.

GENERAL NOTES

1. *The information shown for Temporary Soil Retention System (TSRS) is estimated. It is the Contractor's responsibility to provide a design and details for each TSRS, complete with calculations and drawings, signed and sealed by an Illinois Licensed Strcutural Engineer, for the Engineer's review and acceptance before starting work.*
2. *The presence of existing drainage structures, aerial power lines, and utilities that may effect the TSRS shall be accounted for by the contractor. The details of the TSRS shall account for these.*
3. *Wall stations and offsets are measured from the ℄ of East Avenue or 47th Street to the front face of TSRS.*
4. *See drainage plans for additional information on drainage structures.*



PLAN

LEGEND

- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq Ft	69,597

S-12

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RS&H

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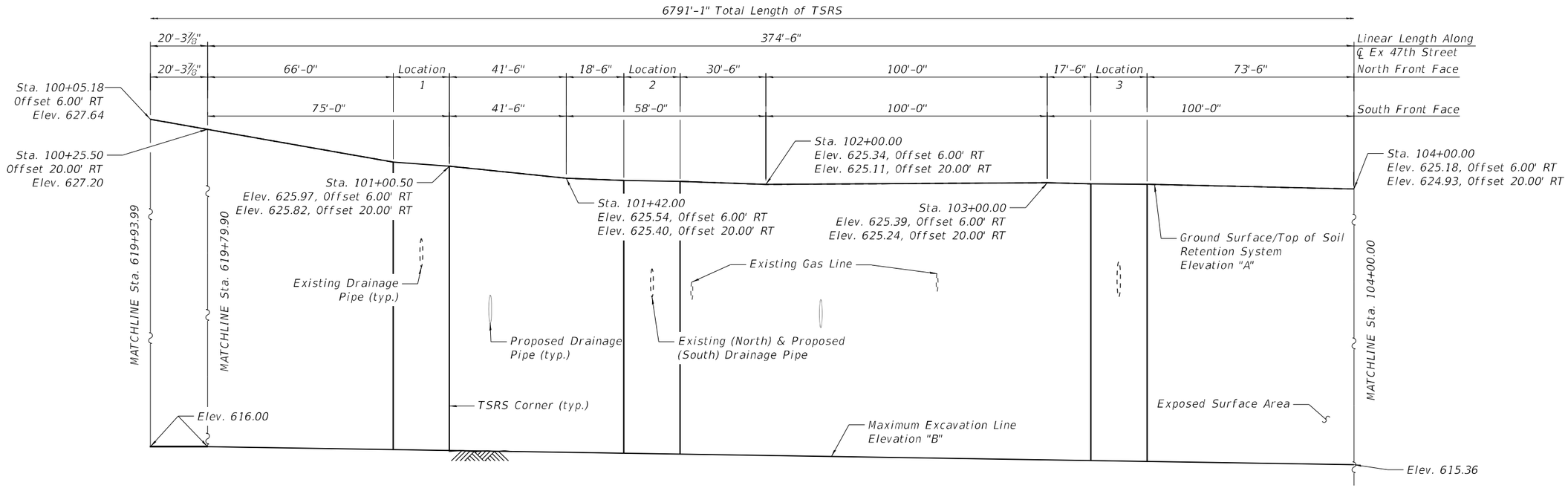
PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (1 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 12 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	277
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

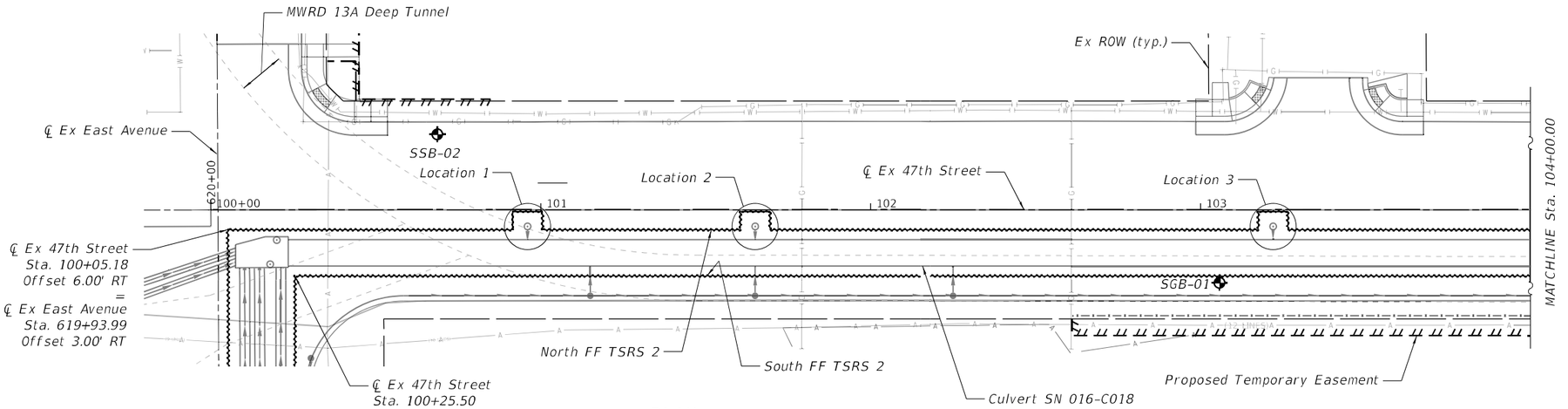


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
1A	100+91.50	6.00'	626.10'	615.89'
1B	100+91.50	0.50'	626.12'	615.89'
1C	101+00.50	0.50'	625.99'	615.87
1D	101+00.50	6.00'	625.97'	615.87
2A	101+60.50	6.00'	625.44'	615.77
2B	101+60.50	0.50'	625.55'	615.77
2C	101+69.50	0.50'	625.52'	615.76
2D	101+69.50	6.00'	625.41'	615.76
3A	103+17.50	6.00'	625.37'	615.50'
3B	103+17.50	0.50'	625.40'	615.50'
3C	103+26.50	0.50'	625.40'	615.49'
3D	103+26.50	6.00'	625.36'	615.49'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

RS&H

USER NAME = KnierimB	DESIGNED - BPK	03/15/2024	REVISED -	
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PLOT SCALE = 40.0000 ' / in.	DRAWN - LPM	03/15/2024	REVISED -	
PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (2 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 13 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	278
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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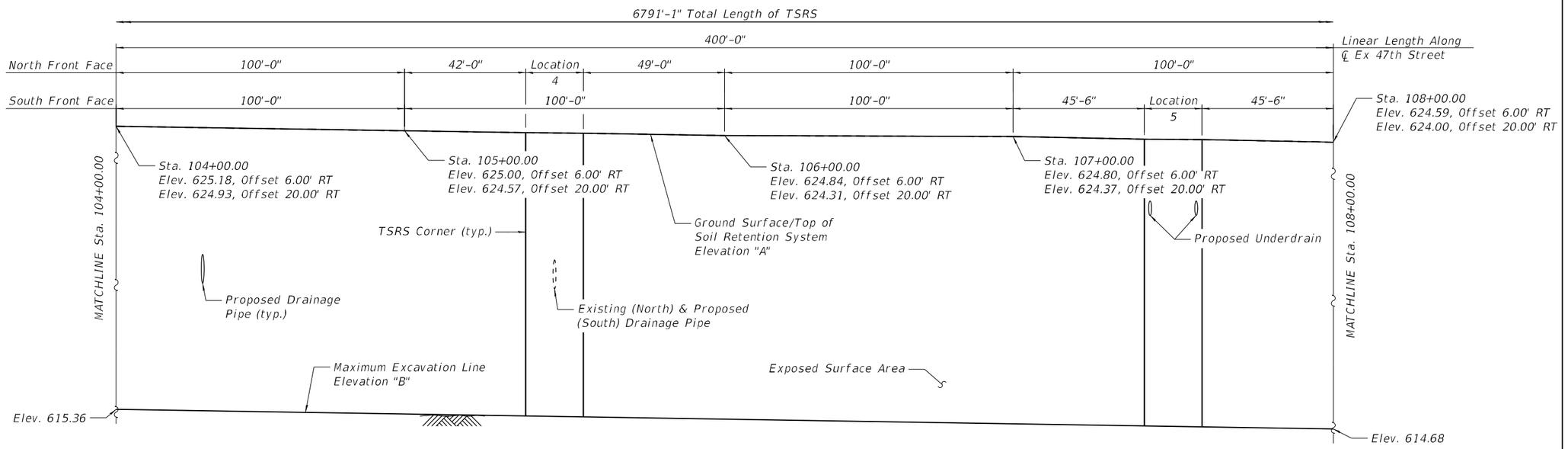
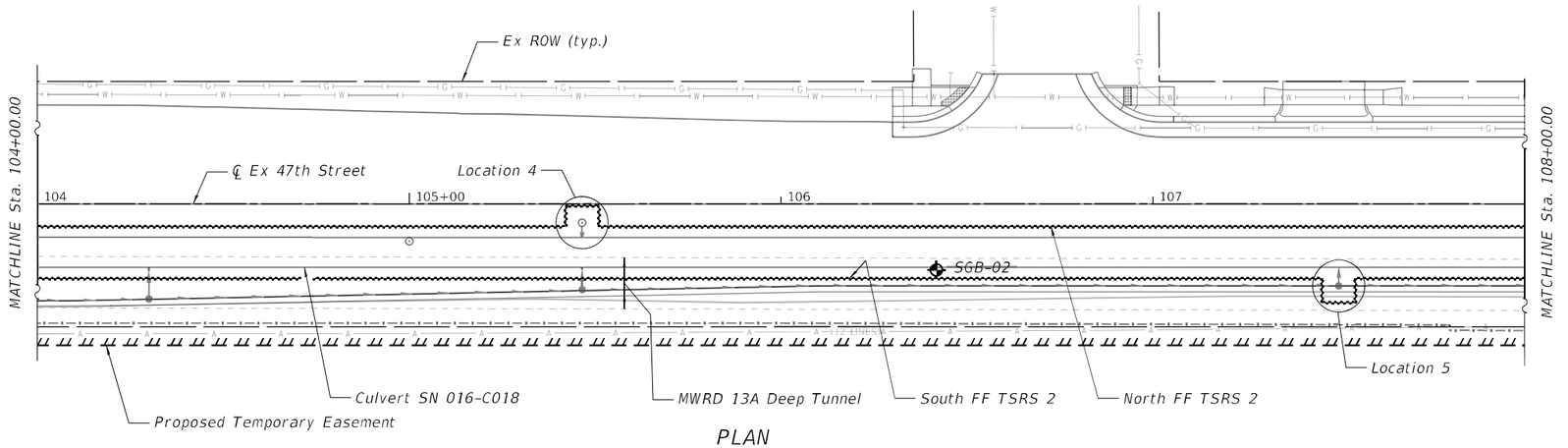


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
4A	105+42.00	6.00'	624.93'	615.12'
4B	105+42.00	0.50'	625.02'	615.12'
4C	105+51.00	0.50'	625.00'	615.11'
4D	105+51.00	6.00'	624.92'	615.11'
5A	107+45.50	20.00	624.22'	614.78'
5B	107+45.50	26.50	624.82'	614.78'
5C	107+54.50	26.50	624.81'	614.76'
5D	107+54.50	20.00	624.19'	614.76'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

S-14

RS&H

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PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (3 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 14 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	279
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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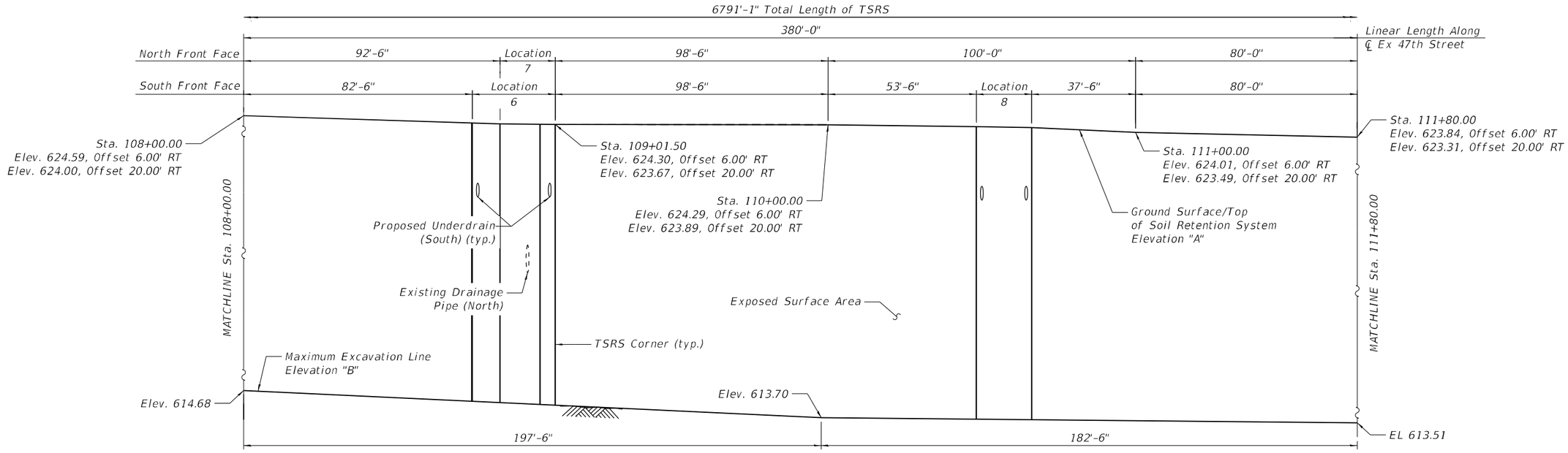
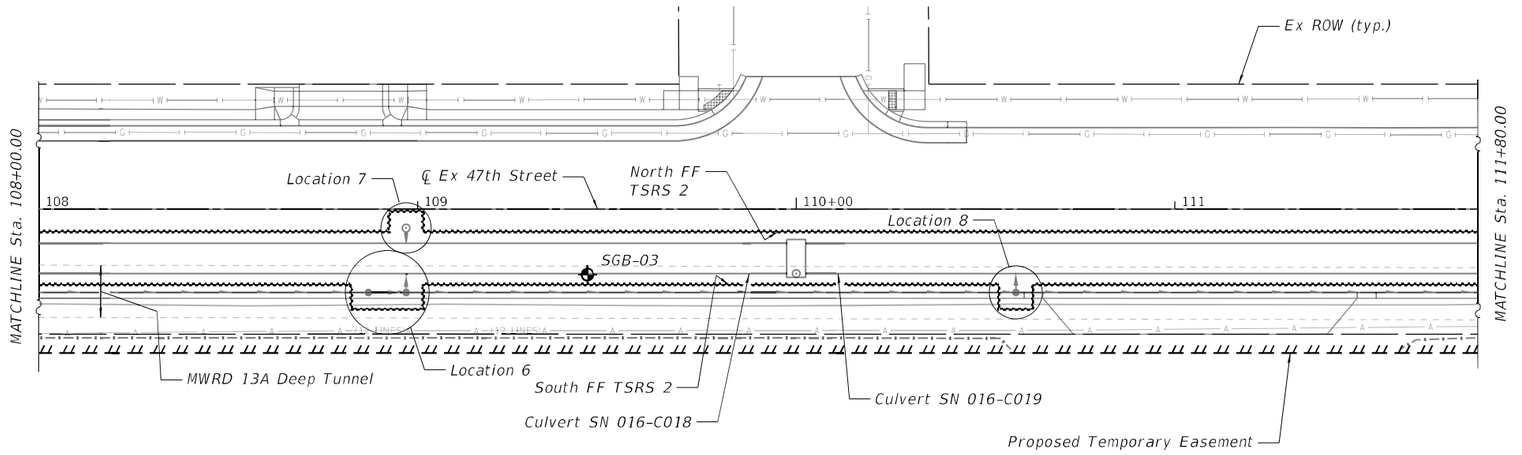


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
6A	108+82.50	20.00'	623.78'	614.27'
6B	108+82.50	26.50'	624.69'	614.27'
6C	109+01.50	26.50'	624.74'	614.18'
6D	109+01.50	20.00'	623.67'	614.18'
7A	108+92.50	6.00'	624.32'	614.22'
7B	108+92.50	0.50'	624.46'	614.22'
7C	109+01.50	0.50'	624.44'	614.18'
7D	109+01.50	6.00'	624.30'	614.18'
8A	110+53.50	20.00'	623.75'	613.63'
8B	110+53.50	26.50'	624.03'	613.63'
8C	110+62.50	26.50'	623.90'	613.62'
8D	110+62.50	20.00'	623.72'	613.62'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

RS&H

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PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (4 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 15 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	280
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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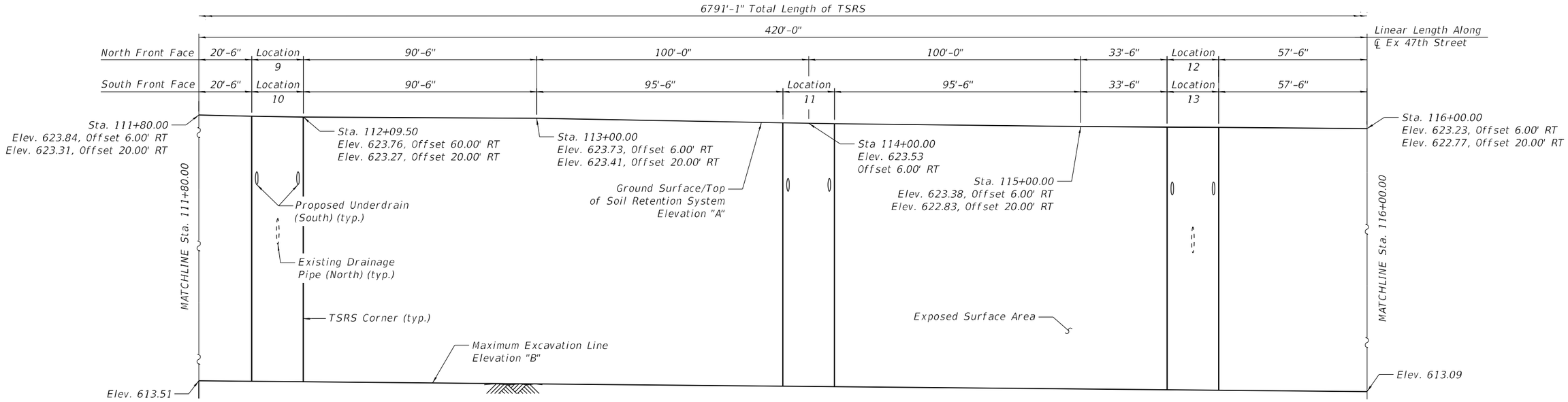
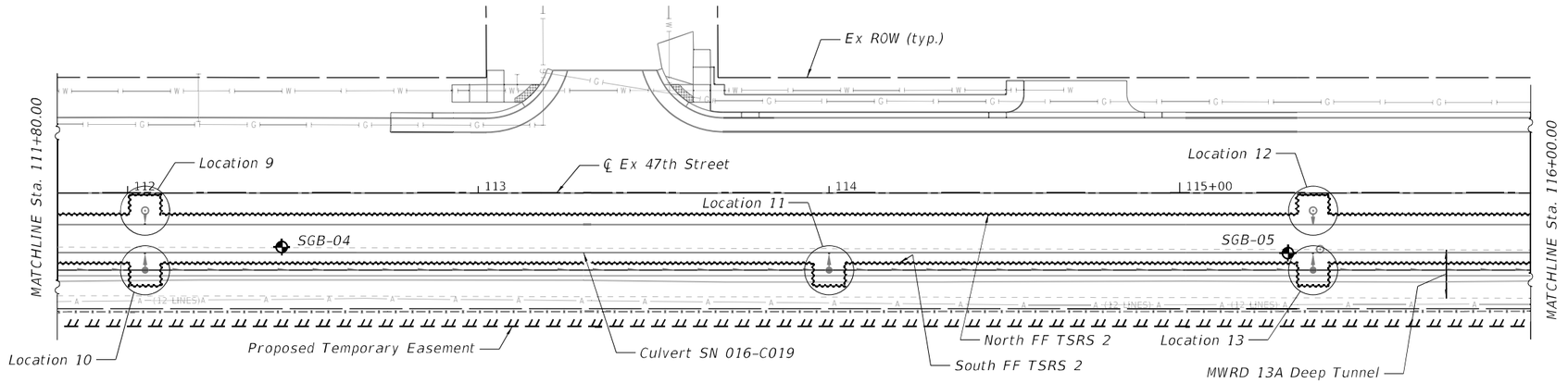


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
9A	112+00.50	6.00'	623.79'	613.49'
9B	112+00.50	0.50'	623.87'	613.49'
9C	112+09.50	0.50'	623.86'	613.48'
9D	112+09.50	6.00'	623.76'	613.48'
10A	112+00.50	20.00'	623.27'	613.49'
10B	112+00.50	26.50'	624.13'	613.49'
10C	112+09.50	26.50'	623.89'	613.48'
10D	112+09.50	20.00'	623.27'	613.48'
11A	113+95.50	20.00'	623.15'	613.29'
11B	113+95.50	26.50'	624.02'	613.29'
11C	114+04.50	26.50'	624.01'	613.28'
11D	114+04.50	20.00'	623.12'	613.28'
12A	115+33.50	6.00'	623.36'	613.15'
12B	115+33.50	0.50'	623.46'	613.15
12C	115+42.50	0.50'	623.45'	613.15'
12D	115+42.50	6.00'	623.35'	613.15'
13A	115+33.50	20.00'	622.65'	613.15'
13B	115+33.50	26.50'	623.70'	613.15'
13C	115+42.50	26.50'	623.67'	613.15'
13D	115+42.50	20.00'	622.67'	613.15'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on Sheet PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

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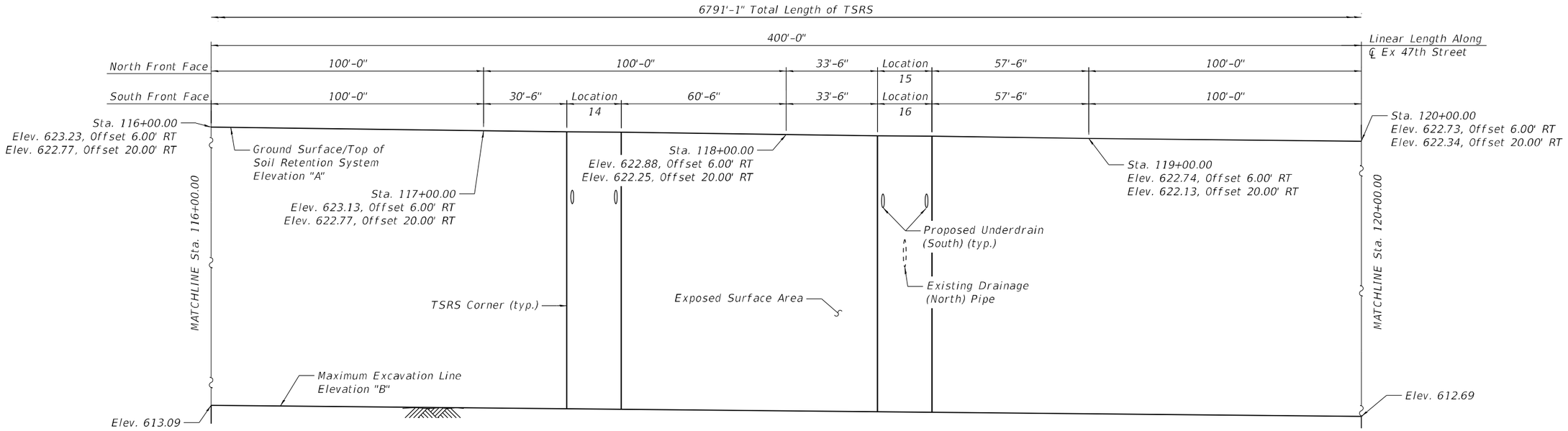
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (5 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 16 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	281
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

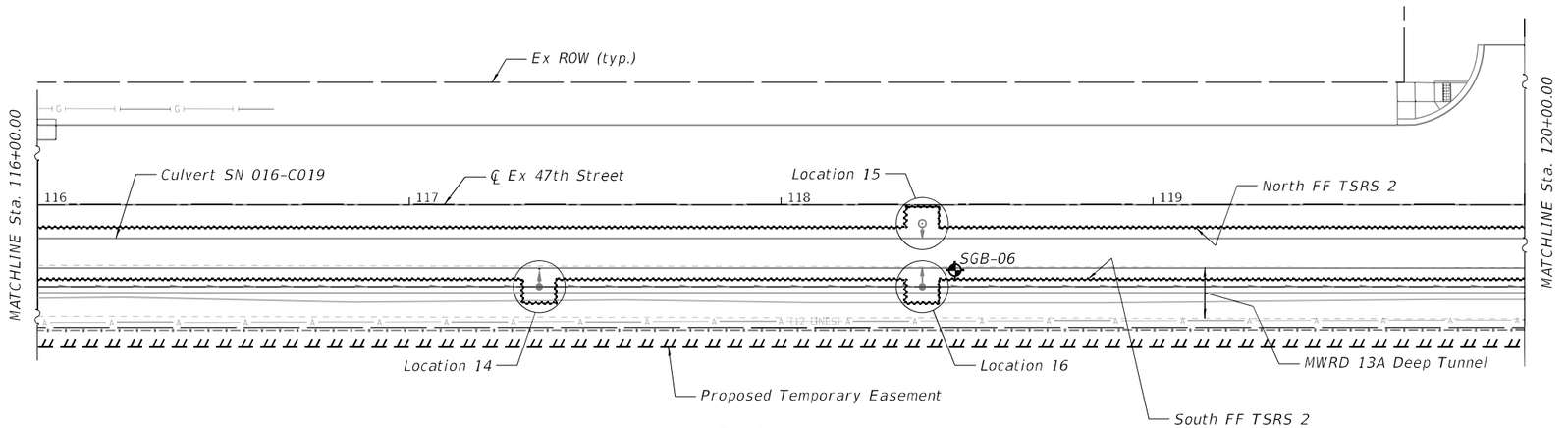


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
14A	117+30.50	20.00'	622.65'	612.96'
14B	117+30.50	26.50'	623.21'	612.96'
14C	117+39.50	26.50'	623.22'	612.95'
14D	117+39.50	20.00'	622.59'	612.95'
15A	118+33.50	6.00'	622.77'	612.85'
15B	118+33.50	0.50'	623.07'	612.85'
15C	118+42.50	0.50'	623.06'	612.85'
15D	118+42.50	6.00'	622.75'	612.85'
16A	118+33.50	20.00'	622.02'	612.85'
16B	118+33.50	26.50'	623.28'	612.85'
16C	118+42.50	26.50'	623.26'	612.85'
16D	118+42.50	20.00'	622.00'	612.85'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

RS&H

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PLOT DATE = 3/11/2024	CHECKED - JGT 03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (6 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 17 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	282
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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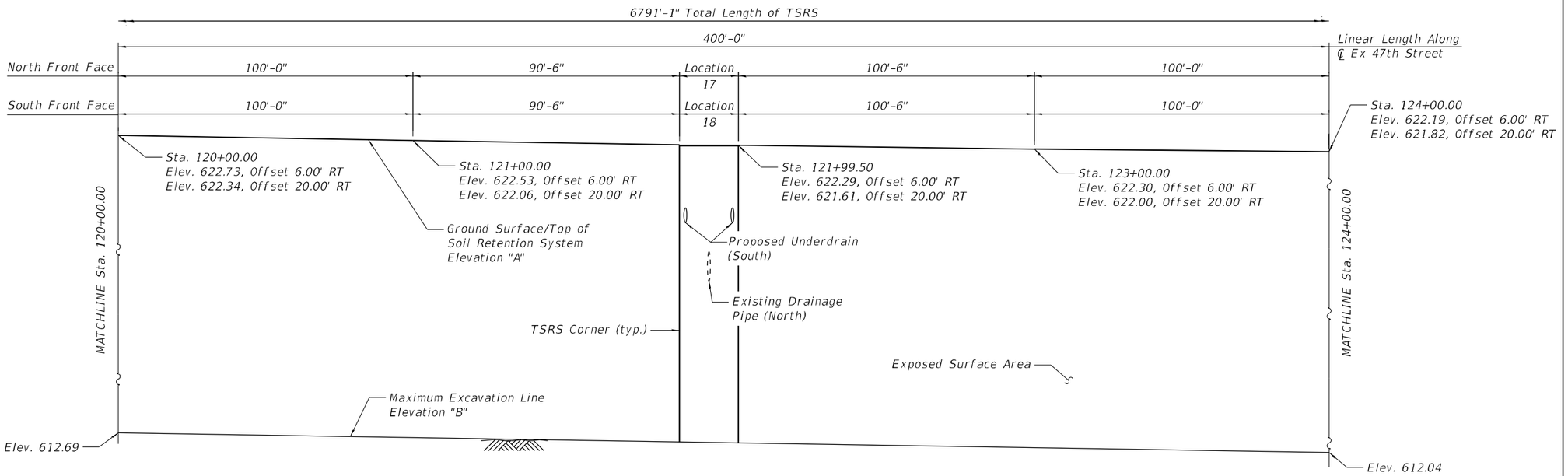
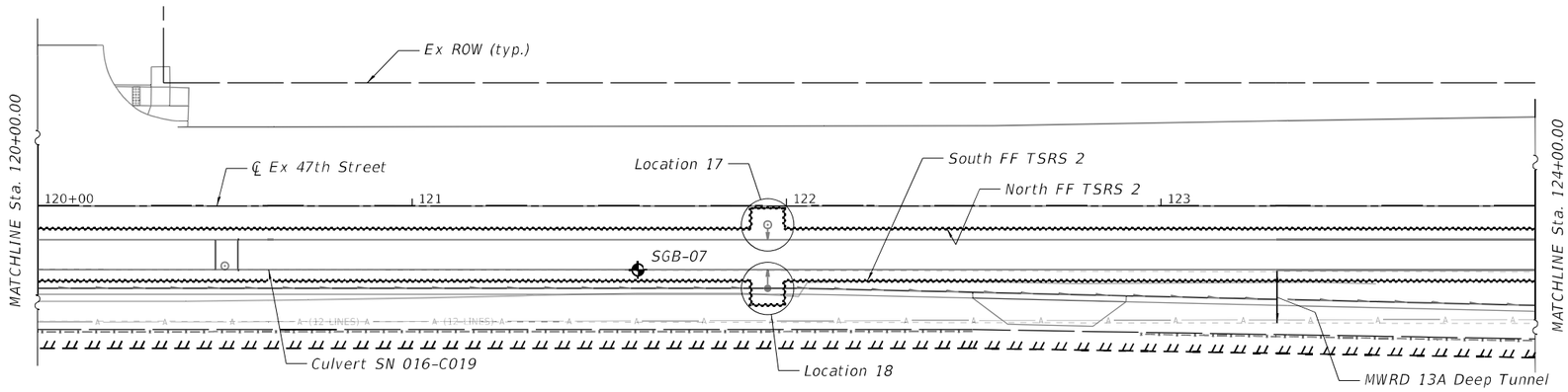


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
17A	121+90.50	6.00'	622.30'	612.40'
17B	121+90.50	0.50'	622.56'	612.40'
17C	121+99.50	0.50'	622.55'	612.38'
17D	121+99.50	6.00'	622.29'	612.38'
18A	121+90.50	20.00'	621.66'	612.40'
18B	121+90.50	26.50'	622.63'	612.40'
18C	121+99.50	26.50'	622.59'	612.38'
18D	121+99.50	20.00'	621.61'	612.38'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

RS&H

USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (7 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 18 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	283
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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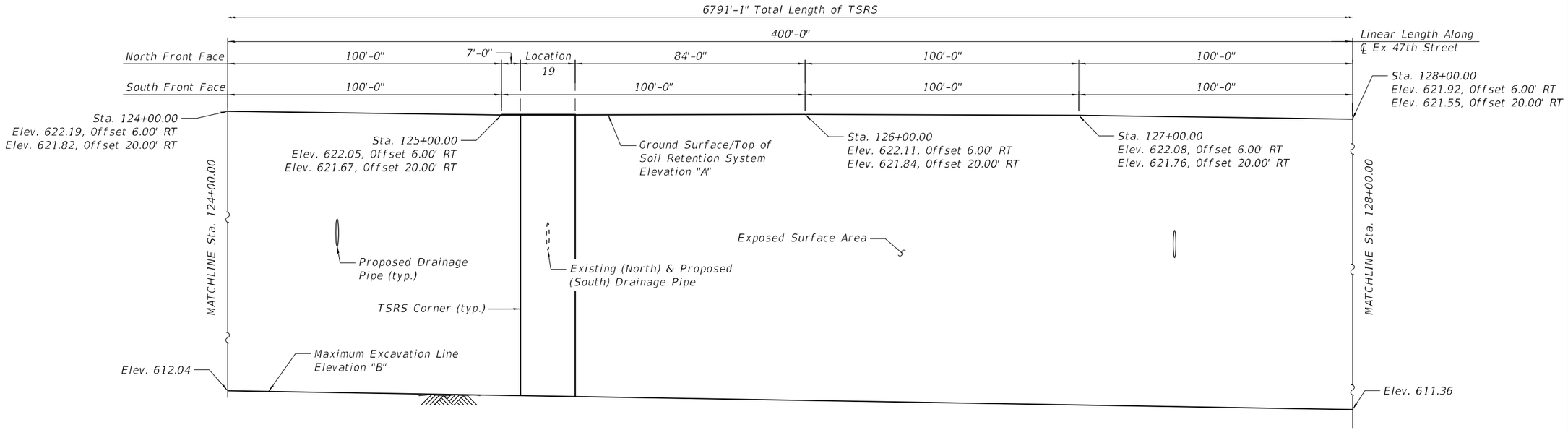
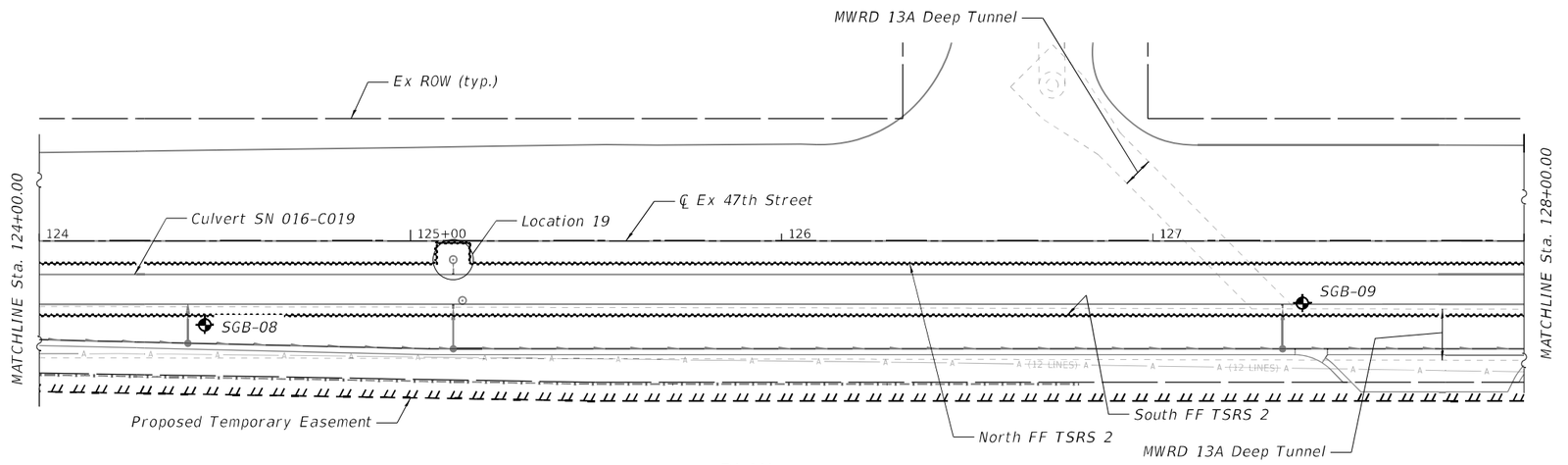


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
19A	125+07.00	6.00'	622.05'	611.86'
19B	125+07.00	0.50'	622.20'	611.86'
19C	125+16.00	0.50'	622.20'	611.85'
19D	125+16.00	6.00'	622.05'	611.85'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.

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RS&H

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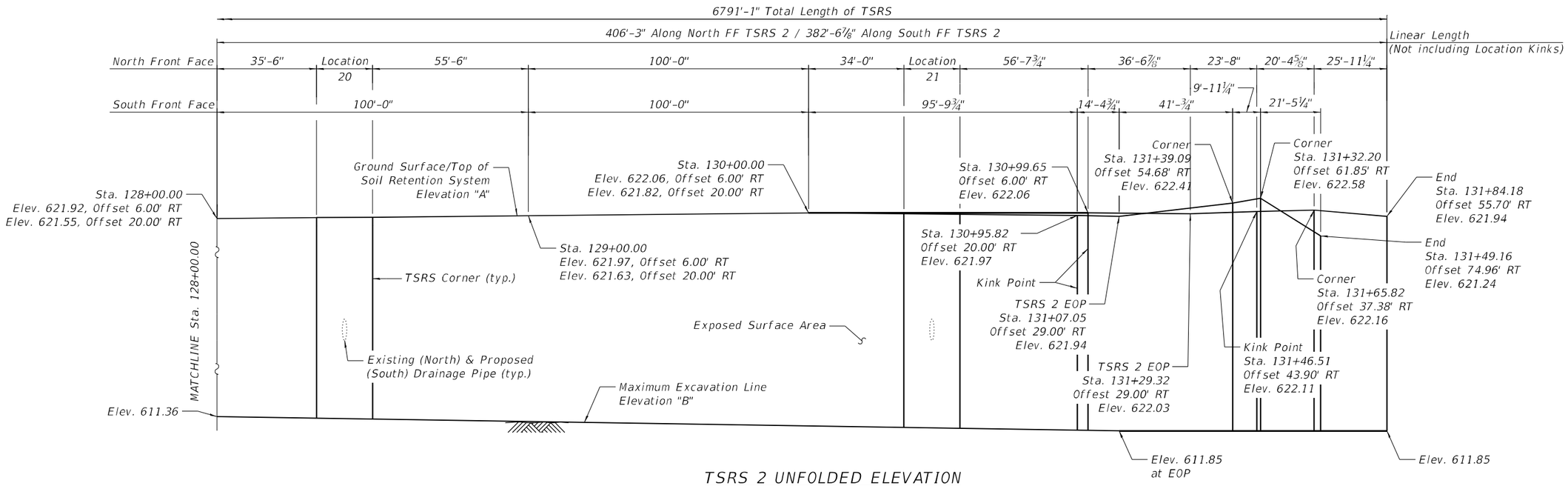
PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (8 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 19 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	284
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

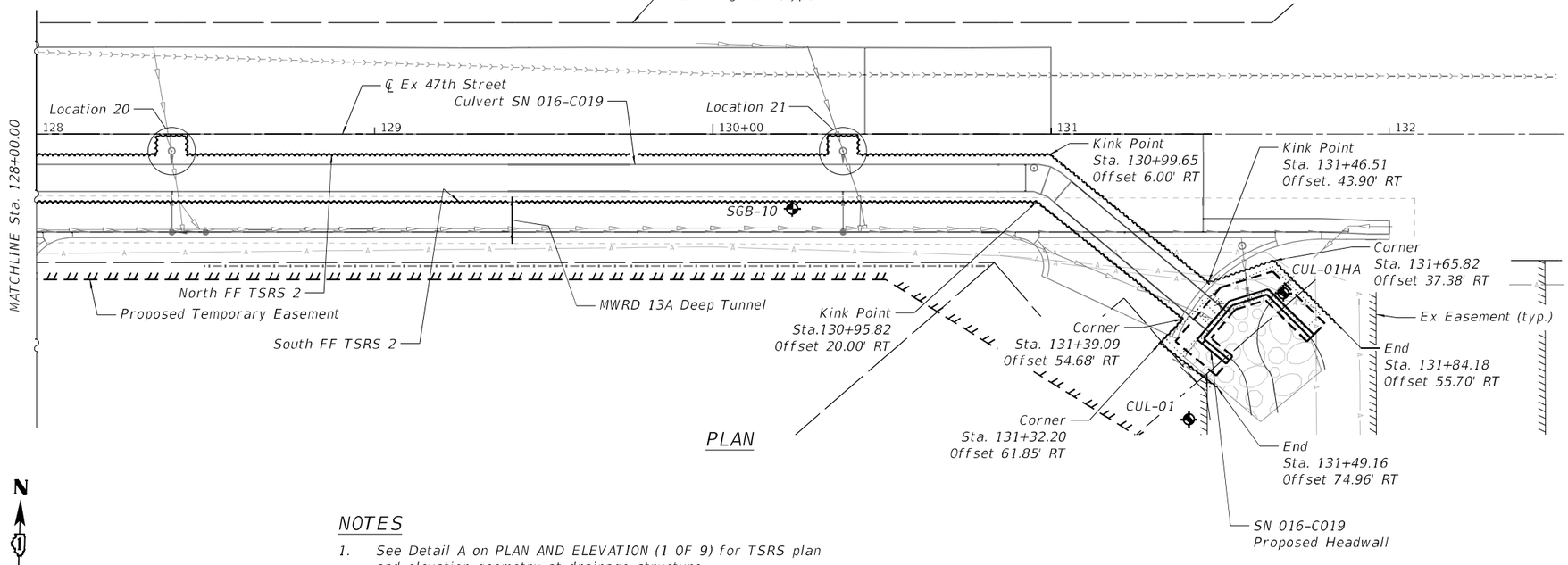


TSRS 2 UNFOLDED ELEVATION

(Looking at Front Face)

TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS

Location	Station	Offset	Elevation A	Elevation B
20A	128+35.50	6.00'	621.93'	611.30'
20B	128+35.50	0.50'	622.09'	611.30'
20C	128+44.50	0.50'	622.10'	611.29'
20D	128+44.50	6.00'	621.94'	611.29'
21A	130+34.00	6.00'	622.07'	610.96'
21B	130+34.00	0.50'	622.23'	610.96'
21C	130+43.00	0.50'	622.22'	610.95'
21D	130+43.00	6.00'	622.06'	610.95'



PLAN

LEGEND

- Proposed Fence
- Proposed Manhole
- Proposed Catch Basin
- Proposed Underdrain
- Proposed Storm Sewer
- Existing Storm Sewer
- Existing Gas Line
- Existing Water Main
- Existing Aerial Power Lines
- Existing Fence
- Existing Building
- Soil Boring
- Temporary Soil Retention System

N

NOTES

1. See Detail A on PLAN AND ELEVATION (1 OF 9) for TSRS plan and elevation geometry at drainage structure.
2. Work details with TSRS DRAINAGE STRUCTURE LOCATION ELEVATIONS table on this sheet.
3. See Headwall General Plan and Elevation and Details sheets for additional information on proposed headwall.

S-20

MODEL: TSRS_08
FILE NAME: W:\sandh.com\files\Transportation\P113-0024-000 47th Street at East Avenue\CAD\Structures\TSRS_09.dgn

3/11/2024 10:33:25 AM

RS&H

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	CHECKED - JGT	03/15/2024	REVISED -	
PLOT SCALE = 40.0000 ' / in.	DRAWN - LPM	03/15/2024	REVISED -	
PLOT DATE = 3/11/2024	CHECKED - JGT	03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION (9 OF 9)
TEMPORARY SOIL RETENTION SYSTEM
SHEET 20 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	285
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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BORING LOG JP-01

South leg, north of the railroad tracks.

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 630.02 ft
North: 1871751.38 ft
East: 1113474.91 ft
Station: 617+61.30
Offset: 18.13 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	628.8	15-inch thick ASPHALT --PAVEMENT--						
		Loose to medium dense, brown and gray GRVELLY SANDY LOAM; damp --FILL-- --RDR 2--			1	10 7 6	NP	7
			5		2	4 4 4	NP	8
		--%Gravel=29.7-- --%Sand=49.0-- --%Silt=19.5-- --%Clay=1.8--			3	5 4 3	NP	7
			10		4	4 2 2	NP	8
	619.5	Very dense, brown to gray SANDY GRAVEL; damp to moist --bedrock fragments in sample-- --RDR 2-3--			5	19	NP	5
	617.0	13 ft to bedrock						
	616.0	Very dense, gray WEATHERED BEDROCK; damp to moist --RDR 3-4--			6	50/4"	NP	6
		Very strong, light bluish gray, poor rock mass quality LIMESTONE; moderately weathered rock, highly weathered joints, closely spaced horizontal and oblique joints with 0.05 to 0.2-inch opening, hard joint wall, slightly rough joint wall surface, hard infill strength and less than 0.2-inch infill thickness. -- Run 1: 14.0 to 24.0 feet-- --Recovery = 100%-- --RQD = 44%--	15	CORE				
			20		1			
		--no water return, 18.0 to 22.0 feet--						
	606.0	Boring terminated at 24.00 ft	25					
			30					
			35					
			40					

GENERAL NOTES

Begin Drilling: 12-05-2021 Complete Drilling: 12-05-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555I703.GPJ WANGENG.GDT 1/10/22

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BORING LOG JP-02

South leg, south of the railroad tracks.

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 629.72 ft
North: 1871871.26 ft
East: 1113472.09 ft
Station: 618+81.21
Offset: 19.51 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	629.0	9-inch thick ASPHALT --PAVEMENT--						
	628.3	8-inch thick CONCRETE --PAVEMENT--						
	627.7	Very stiff, black, brown and gray CLAY LOAM, little gravel; damp --FILL-- --RDR 2-3--			1	5 5 3	3.25 P	16
		Loose, gray SANDY LOAM, some gravel; damp to moist --FILL-- --RDR 2-3-- --wet spoon at 5 feet--	5		2	6 3 2	NP	13
	624.7	Hard, brown and gray SILTY CLAY LOAM, little gravel; damp --RDR 2-3-- --%Gravel=7.2-- --%Sand=22.0-- --%Silt=49.5-- --%Clay=21.8--			3	2 5 7	4.51 B	17
	620.8	Dense, brown and gray SANDY GRAVEL; damp --bedrock fragments in sample-- --RDR 3--	10		4	7 38 50/3"	NP	6
	619.7	10 ft to bedrock						
		Very dense, brown and gray WEATHERED BEDROCK; damp to moist --RDR 3-4-- --AUGER REFUSAL at 13 feet--			5	50/3"	NP	7
	616.7	Very strong, light bluish gray, very poor rock mass quality LIMESTONE; moderately weathered rock, highly weathered joints, closely spaced horizontal, oblique and vertical joints with 0.05 to 0.2-inch opening, hard joint wall, slightly rough joint wall surface, soft infill strength and less than 0.2-inch infill thickness. -- Run 1: 13.0 to 23.0 feet-- --Recovery = 89%-- --RQD = 23%--	15	CORE				
			20		1			
	606.7	Boring terminated at 23.00 ft	25					
			30					
			35					
			40					

GENERAL NOTES

Begin Drilling: 12-05-2021 Complete Drilling: 12-05-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 5.00 ft
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555I703.GPJ WANGENG.GDT 1/10/22

RS&H

USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS LOGS (1 OF 8)	
	CHECKED - JGT 03/15/2024	REVISED -			
PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 21 OF 28 SHEETS	
PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	286
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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3/10/2024 5:07:43 AM

Wang Engineering
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BORING LOG SGB-01

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 624.97 ft
North: 1871976.48 ft
East: 1113752.61 ft
Station: 103+05.75
Offset: 22.05 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	624.6	4-inch thick ASPHALT --PAVEMENT--						
	623.6	12-inch thick CONCRETE --PAVEMENT--						
		Stiff, brown and gray SILTY CLAY, trace to little gravel; damp			1	3 2 4	1.23 B	22
	622.1	--RDR 2-- --L_L(%)=31, P_L(%)=16--						
		Stiff, brown and gray CLAY, trace gravel; damp			2	2 3 3 3	1.07 B	25
		--RDR 2--	5					
	619.5	Very dense, brown and gray GRAVELLY SILTY LOAM			3	2 50/3"	1.50 P	26
	618.5	--WEATHERED BEDROCK-- --RDR 3-4-- --%Gravel=32.2-- --%Sand=28.8-- --%Silt=34.6-- --%Clay=4.3-- --hard drilling, 5.75 to 6.5 feet-- --AUGER REFUSAL at 6.5 feet--						
		Boring terminated at 6.50 ft	10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 12-06-2021 Complete Drilling: 12-06-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG SGB-02

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 624.47 ft
North: 1871991.04 ft
East: 1114088.35 ft
Station: 106+41.78
Offset: 17.71 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	624.1	4-inch thick ASPHALT --PAVEMENT--						
	623.4	9-inch thick CONCRETE --PAVEMENT--						
		Very stiff, brown and gray SILTY CLAY, some gravel; damp			1	6 5 5	2.25 P	22
	622.0	--RDR 2--						
		Very stiff, brown and gray SILTY CLAY LOAM to SILTY LOAM, little gravel; damp			2	5 32 50/1"	3.69 B	13
	620.5	--RDR 2-3--	5					
	620.0	Brown and gray WEATHERED BEDROCK; damp --RDR 2-3-- --AUGER REFUSAL at 4.5 feet--						
		Boring terminated at 4.50 ft	10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 12-06-2021 Complete Drilling: 12-06-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551703.GPJ WANGENG.GDT 1/10/22

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PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	287
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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BORING LOG SGB-03

WEI Job No.: 555-17-03

Client ..... IDOT
Project ..... FAU 2719 (East Avenue) at 47th Street
Location ..... LaGrange, Illinois

Datum: NAVD 88
Elevation: 624.00 ft
North: 1872000.65 ft
East: 1114391.31 ft
Station: 109+44.90
Offset: 17.31 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	623.73	3-inch thick ASPHALT --PAVEMENT--						
	622.8	11-inch thick CONCRETE --PAVEMENT--						
	622.5							
	622.0	4-inch thick, gray SANDY GRAVEL; damp --BASE COURSE--			1	3 3 3	1.64 B	20
	621.0	Stiff, dark gray CLAY LOAM, little gravel; damp --FILL-- --RDR 2--	5		2	3 3 4 7	1.48 B	13
	618.5	Stiff, brown and gray SILTY CLAY, trace gravel; damp --RDR 2--			3	17 50/1"	1.75 P	13
	618.0	Stiff, brown and gray SILTY CLAY LOAM to SILTY LOAM, little gravel; damp --bedrock fragments in sample-- --RDR 2--						
		Very dense, brown and gray WEATHERED ROCK; damp --AUGER REFUSAL at 6 feet--	10					
		Boring terminated at 6.00 ft						
			15					
			20					

GENERAL NOTES

Begin Drilling ..... 12-07-2021 ..... Complete Drilling 12-07-2021
Drilling Contractor ..... Wang Testing Services ..... Drill Rig ..... 17D50T [81%]
Driller ..... R&A ..... Logger ..... M. Sadowski ..... Checked by ..... J. Bensen
Drilling Method ..... 2.25" ID HSA; boring backfilled upon completion .....

WATER LEVEL DATA

While Drilling ▽ ..... Dry
At Completion of Drilling ▼ ..... Dry
Time After Drilling ..... NA
Depth to Water ▼ ..... NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG SGB-04

WEI Job No.: 555-17-03

Client ..... IDOT
Project ..... FAU 2719 (East Avenue) at 47th Street
Location ..... LaGrange, Illinois

Datum: NAVD 88
Elevation: 623.50 ft
North: 1872011.65 ft
East: 1114690.17 ft
Station: 112+43.96
Offset: 15.39 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	623.2	3-inch thick ASPHALT --PAVEMENT--						
	622.9							
	622.5	9-inch thick CONCRETE --PAVEMENT--						
		Loose, gray SANDY GRAVEL; damp --BASE COURSE--			1	3 3 3 4	1.89 B	22
		Stiff to very stiff, brown and gray SILTY CLAY to CLAY; damp --RDR 2--			2	2 3 6 50/1"	2.13 B	21
	619.1	--L_L(%)=43, P_L(%)=17--	5					
	618.5	Very dense, brown and gray WEATHERED BEDROCK; dry to damp --AUGER REFUSAL at 5 feet--						
		Boring terminated at 5.00 ft						
			10					
			15					
			20					

GENERAL NOTES

Begin Drilling ..... 12-07-2021 ..... Complete Drilling 12-07-2021
Drilling Contractor ..... Wang Testing Services ..... Drill Rig ..... 17D50T [81%]
Driller ..... R&A ..... Logger ..... M. Sadowski ..... Checked by ..... J. Bensen
Drilling Method ..... 2.25" ID HSA; boring backfilled upon completion .....

WATER LEVEL DATA

While Drilling ▽ ..... Dry
At Completion of Drilling ▼ ..... Dry
Time After Drilling ..... NA
Depth to Water ▼ ..... NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555I703.GPJ WANGENG.GDT 1/10/22

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	PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	288
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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BORING LOG SGB-05

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 622.83 ft
North: 1872018.63 ft
East: 1114976.95 ft
Station: 115+30.82
Offset: 17.12 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	621.5	16-inch thick ASPHALT --PAVEMENT--						
	620.6	Very stiff, dark gray SILTY CLAY, little gravel; damp --FILL-- --L_L(%)=39, P_L(%)=17--			1	3 4 10	2.75 P	19
	619.8	Very stiff, brown and gray SILTY CLAY, trace gravel; damp			2	20 50/2"	NP	5
	618.8	Very dense, brown and gray WEATHERED BEDROCK; dry to damp --RDR 2-3-- --AUGER REFUSAL at 4 feet--	5					
		Boring terminated at 4.00 ft	10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 12-07-2021 Complete Drilling: 12-07-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG SGB-06

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 622.00 ft
North: 1872027.87 ft
East: 1115292.80 ft
Station: 118+46.81
Offset: 17.48 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	621.8	2-inch thick ASPHALT --PAVEMENT--						
	621.2	8-inch thick CONCRETE --PAVEMENT--						
		Stiff, brown and gray CLAY, trace gravel; damp --RDR 2-3-- --%Gravel=1.2-- --%Sand=18.2-- --%Silt=46.6-- --%Clay=33.9--			1	10 9 10 10	1.75 P	27
	619.0				2	50/6"	NP	4
	617.0	Very dense, gray WEATHERED BEDROCK; dry to damp --RDR 2-3--	5					
		Strong, light bluish gray, very poor rock mass quality LIMESTONE; highly weathered rock, highly to completely weathered joints, very closely spaced horizontal, and oblique joints with greater than 0.2-inch opening, hard joint wall, rough joint wall surface, hard infill strength and less than 0.2-inch infill thickness.			3	C O R E		
	611.0	-- Run 1: 5.0 to 11.0 feet-- --Recovery = 100%-- --RQD = 6%-- --drilling rate, 3.75 min/foot--	10					
		Boring terminated at 11.00 ft	15					
			20					

GENERAL NOTES

Begin Drilling: 12-07-2021 Complete Drilling: 12-07-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551703.GPJ WANGENG.GDT 1/10/22

MODEL: Default
FILE NAME: V:\sandh.com\files\Transportation\P113-0024-000 47th Street at East Avenue\CAD\Structures\Borings_sht_4.dgn

RS&H	USER NAME = Knierim8	DESIGNED - BPK 03/15/2024	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS LOGS (4 OF 8)
		CHECKED - JGT 03/15/2024	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 24 OF 28 SHEETS
	PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	289
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

3/10/2024 5:07:57 AM

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BORING LOG SGB-07

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 621.88 ft
North: 1872037.82 ft
East: 1115606.19 ft
Station: 121+60.35
Offset: 17.06 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	621.6	3-inch thick ASPHALT --PAVEMENT--						
	620.7	11-inch thick CONCRETE --PAVEMENT--						
	619.9	Very stiff, black SILTY CLAY; damp --BURIED TOPSOIL--						
	618.9	Very dense, brown and gray WEATHERED BEDROCK; dry --RDR 2-3-- --AUGER REFUSAL at 3 feet--	5		1	6 50/6"	2.30 B	25
		Boring terminated at 3.00 ft	10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 12-07-2021 Complete Drilling: 12-07-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551703.GPJ WANGENG.GDT 1/10/22

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Lombard, IL 60148
Telephone: 630-953-9928
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BORING LOG SGB-08

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 621.56 ft
North: 1872040.95 ft
East: 1115890.46 ft
Station: 124+44.59
Offset: 22.56 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	621.3	3-inch thick ASPHALT --PAVEMENT--						
	620.4	11-inch thick CONCRETE --PAVEMENT--			1	3 4 5	1.75 P	15
		Medium stiff to stiff, black and brown CLAY LOAM, some gravel; damp						
	618.1	--FILL-- --RDR 2-3-- --L_L(%)=33, P_L(%)=17-- --Qu: 0.75P--	5		2	2 10 8 7	NP	5
		Medium dense to very dense, brown and gray WEATHERED BEDROCK; dry to damp --RDR 3--			3	5 6 50/1"	NP	5
	614.6	Boring terminated at 7.00 ft	10					
			15					
			20					

GENERAL NOTES

Begin Drilling: 12-07-2021 Complete Drilling: 12-07-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551703.GPJ WANGENG.GDT 1/10/22

MODEL: Default
FILE NAME: W:\sandh.com\files\Transportation\P113-0024-000 47th Street at East Avenue\CAD\Structures\Borings_sht_5.dgn

RS&H	USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS LOGS (5 OF 8)
		CHECKED - JGT 03/15/2024	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 25 OF 28 SHEETS
	PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	290
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

3/10/2024 5:08:03 AM

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BORING LOG SGB-09

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 621.75 ft
North: 1872055.80 ft
East: 1116185.86 ft
Station: 127+40.30
Offset: 16.70 RT

Elevation (ft)	Depth (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
621.4	0	4-inch thick ASPHALT --PAVEMENT--					
620.7		9-inch thick CONCRETE --PAVEMENT--					
		Stiff, black, brown and gray SILTY CLAY, little to some gravel; damp --FILL-- --RDR 2--		18	2 3 3	1.07 B	21
				20	4 4 4 50/2"	1.50 P	20
617.2	5	Very dense, brown SILTY LOAM, some gravel; dry to damp --bedrock fragments in split spoon-- --RDR 2-3--		21	13 17 37 50/3"	NP	6
615.5							
614.7		Very dense, brown and gray WEATHERED BEDROCK; dry --RDR 3-- --AUGER REFUSAL at 7 feet-- Boring terminated at 7.00 ft					
	10						
	15						
	20						

GENERAL NOTES

Begin Drilling: 12-07-2021 Complete Drilling: 12-07-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555703.GPJ WANGENG.GDT 1/10/22

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BORING LOG SGB-10

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 621.86 ft
North: 1872059.06 ft
East: 1116469.06 ft
Station: 130+23.47
Offset: 22.05 RT

Elevation (ft)	Depth (ft)	SOIL AND ROCK DESCRIPTION	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
621.5	0	4-inch thick ASPHALT --PAVEMENT--					
620.7		10-inch thick CONCRETE --PAVEMENT--					
		Stiff to very stiff, black, brown and gray SILTY CLAY LOAM, little to some gravel; damp --glass fragments in sample--		1	5 14 9	2.75 P	17
618.1		--FILL-- --RDR 2-3--		2	4 5 6 7	3.00 P	15
616.9	5	Very stiff, brown and gray SILTY CLAY LOAM, trace gravel; damp --RDR 3--		3	5 19 11 15	NP	6
615.4		Dense, brown and gray SILTY LOAM, little gravel; dry to damp --cobble fragments in sample-- --RDR 3--		4	10 21 24 20	NP	5
		Dense to very dense, brown and gray SAND, little gravel; dry to damp --RDR 3--		5	11 20 51/6"	NP	5
611.7	10	Very dense, gray SILTY LOAM, some gravel; damp --bedrock fragments in sample-- --RDR 3-4--		6	9 24 50/3"	NP	5
610.4		--wet spoon-- Very dense, gray WEATHERED BEDROCK; damp to wet --RDR 3-4--		7	50/2"	NP	9
606.9	15	Boring terminated at 15.00 ft					
	20						

GENERAL NOTES

Begin Drilling: 12-08-2021 Complete Drilling: 12-08-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 12.50 ft
At Completion of Drilling: 14.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 555703.GPJ WANGENG.GDT 1/10/22

RS&H

USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	
	CHECKED - JGT 03/15/2024	REVISED -	
PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -	
PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS LOGS (6 OF 8)

SHEET 26 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	291
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	

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3/10/2024 5:08:07 AM

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BORING LOG SSB-01

Northwest corner for Traffic Signals.

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 628.32 ft
North: 1872010.56 ft
East: 1113384.15 ft
Station: 99+38.55
Offset: 23.34 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	628.0	4-inch thick ASPHALT --PAVEMENT--						
	627.2	9-inch thick CONCRETE --PAVEMENT--						
	627.0	Loose, brown and gray SANDY GRAVEL; dry to damp --FILL-- --RDR 2--			1	5 4 5	1.25 P	23
		Medium stiff to stiff, black, brown and gray SILTY CLAY, little gravel; damp to moist --FILL-- --RDR 2--	5		2	1 2 2	0.75 P	25
	622.8	Soft, black, brown and gray CLAY; moist --RDR 2--			3	4 8 4	0.25 P	26
	620.8	Medium dense to very dense, brown to gray SILT to SILTY LOAM, little to some gravel; dry to damp --RDR 2-3--	10		4	9 10 16	NP	11
		--some rig chatter, 12.5 to 13.5 feet--	15		5	6 16 19	NP	10
					6	5 22 19	NP	9
	611.8	Hard, gray SILTY CLAY LOAM to SILTY LOAM, some gravel; damp --RDR 3-4--	20		7	28 24 50/4"	> 4.50 P	8
	610.3	--AUGER REFUSAL at 18 feet--				18 ft to bedrock		
		Very strong, light bluish gray, poor rock mass quality LIMESTONE; moderately weathered rock, highly to completely weathered joints, closely spaced horizontal, oblique and vertical joints with less than 0.2-inch opening, hard joint wall, slightly rough joint wall surface, soft infill strength and less than 0.2-inch infill thickness. -- Run 1: 18.0 to 28.0 feet-- --Recovery = 100%-- --RQD = 39%-- --drilling rate, 3 min/foot--	25	CORE	1			
	600.3	Boring terminated at 28.00 ft	30					
			35					
			40					

GENERAL NOTES

Begin Drilling: 12-06-2021 Complete Drilling: 12-06-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: Dry
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG SSB-02

Northeast corner for Traffic Signals.

WEI Job No.: 555-17-03

Client: IDOT
Project: FAU 2719 (East Avenue) at 47th Street
Location: LaGrange, Illinois

Datum: NAVD 88
Elevation: 625.79 ft
North: 1872014.22 ft
East: 1113514.25 ft
Station: 100+66.50
Offset: 22.90 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
	625.5	4-inch thick ASPHALT --PAVEMENT--						
	624.7	9-inch thick CONCRETE --PAVEMENT--						
	624.5	2-inch thick, brown and gray SANDY GRAVEL; damp --BASE COURSE--			1	2 3 3	0.98 B	16
	622.8	Medium stiff, brown and gray CLAY LOAM, some gravel; damp --FILL-- --RDR 2--	5		2	11 9 11	NP	9
	622.0	Very stiff, brown and gray SILTY CLAY LOAM; damp --RDR 2-3--			3	7 12 18	NP	10
		Medium dense to dense, brown to gray SILTY LOAM, little to some gravel; damp --RDR 2-4--	10		4	4 11 9	NP	8
	614.8	--some to frequent rig chatter, 10.0 to 11.0 feet-- --possible WEATHERED BEDROCK-- --AUGER REFUSAL at 11 feet--				11 ft to bedrock		
		Very strong, light bluish gray, poor rock mass quality LIMESTONE; moderately weathered rock, highly weathered joints, closely spaced horizontal and oblique joints with less than 0.2-inch opening, hard joint wall, slightly rough joint wall surface, hard infill strength and less than 0.2-inch infill thickness. -- Run 1: 11.0 to 21.0 feet-- --Recovery = 100%-- --RQD = 27%-- --drilling rate, 3.5 min/foot--	15	CORE	1			
	604.8	Boring terminated at 21.00 ft	20					
			25					
			30					
			35					
			40					

GENERAL NOTES

Begin Drilling: 12-06-2021 Complete Drilling: 12-06-2021
Drilling Contractor: Wang Testing Services Drill Rig: 17D50T [81%]
Driller: R&A Logger: M. Sadowski Checked by: J. Bensen
Drilling Method: 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Dry
At Completion of Drilling: 8' wash
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 5551703.GPJ WANGENG.GDT 1/10/22

RS&H	USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS LOGS (7 OF 8)	F.A.U. RTE. 2719	SECTION 3212TS-RR	COUNTY COOK	TOTAL SHEETS 336	SHEET NO. 292
		CHECKED - JGT 03/15/2024	REVISED -						CONTRACT NO. 62F11	
	PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 27 OF 28 SHEETS			ILLINOIS	FED. AID PROJECT	
	PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -							

MODEL: Default
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3/10/2024 5:08:11 AM

Wang Engineering
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Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9928

BORING LOG CUL-01

WEI Job No.: KE235427

Client: IDOT District One
Project: PTB 196-017, WO 11, East Ave at 47th Street
Location: Cook County, IL

Datum: NAVD 88
Elevation: 624.04 ft
North: 1872000.33 ft
East: 1116588.21 ft
Station:
Offset:

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (ts²)	Moisture Content (%)
623.0	Gray CRUSHED GRAVEL						
	Brown CLAY LOAM, trace gravel --FILL--			1	5 7 7	NA	17
621.0							
	Stiff, dark brown SILTY CLAY LOAM, trace gravel -FILL--			2	3 3 5	1.75 P	25
619.0	--wet spoon recovery--	5					
	Dense to very dense, brown and gray SANDY GRAVEL; damp to wet --Weathered BEDROCK-- --RDR 3-4--			3	10 19 39	NP	8
		10		4	20 16 19	NP	9
613.0				5	50/3" CORE	NP	11
	Strong, light gray, poor quality, DOLOSTONE; closely spaced, fresh, horizontal and vertical joints, with 0-0.2 inch opening, slicken to slightly rough walls, and no infill. --RUN 1: 11.0 to 21.0 feet-- --Recovery: 99%-- --RQD: 37%--	15		1			
		20					
603.0	Boring terminated at 21.00 ft	25					
		30					
		35					
		40					

GENERAL NOTES

Begin Drilling: 01-24-2024 Complete Drilling: 01-24-2024
Drilling Contractor: Wang Testing Services Drill Rig: 20D25A [83%]
Driller: K&G Logger: F. Bozga Checked by: R. KC
Drilling Method: 2.25" ID HSA; backfilled upon completion

WATER LEVEL DATA

While Drilling: 3.00 ft
At Completion of Drilling: 10.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE235427.GPJ WANGENG.GDT 2/7/24

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Telephone: 630-953-9928
Fax: 630-953-9928

BORING LOG CUL-01HA

WEI Job No.: KE235427

Client: IDOT District One
Project: PTB 196-017, WO 11, East Ave at 47th Street
Location: Cook County, IL

Datum: NAVD 88
Elevation: 623.03 ft
North: 1872038.31 ft
East: 1116615.01 ft
Station:
Offset:

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Stiff, dark brown and gray Gravelly LOAM --FILL--			1	PUSH	1.00 P	27
621.5	Gray SAND; damp --FILL--						
620.5	Stiff, brown SILTY CLAY LOAM, trace gravel			2	PUSH	1.00 P	24
619.3	--FILL-- Brown Gravelly LOAM; damp --FILL--	5		3	PUSH	NP	10
617.3	Gray Gravelly SAND; moist --FILL--			4	PUSH	NP	7
615.5	Brown and gray SANDY GRAVEL; wet			5	PUSH	NP	14
614.0	--PROBE REFUSAL-- Boring terminated at 9.00 ft	10					
		15					
		20					

GENERAL NOTES

Begin Drilling: 01-24-2024 Complete Drilling: 01-24-2024
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: K&G Logger: F. Bozga Checked by: R. KC
Drilling Method: 1" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 8.00 ft
At Completion of Drilling: 8.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE235427.GPJ WANGENG.GDT 2/7/24

S–28

RS&H

USER NAME = KnierimB	DESIGNED - BPK 03/15/2024	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORINGS LOGS (8 OF 8)
	CHECKED - JGT 03/15/2024	REVISED -		
PLOT SCALE = 2.0000 ' / in.	DRAWN - LPM 03/15/2024	REVISED -		SHEET 28 OF 28 SHEETS
PLOT DATE = 3/10/2024	CHECKED - JGT 03/15/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	293
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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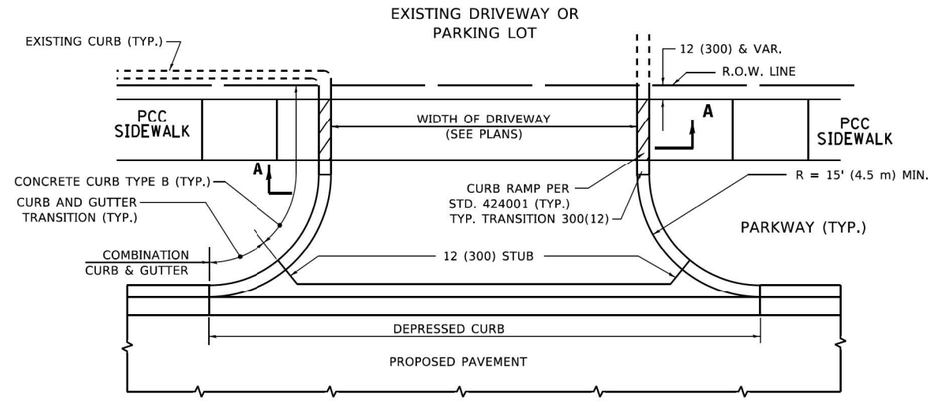
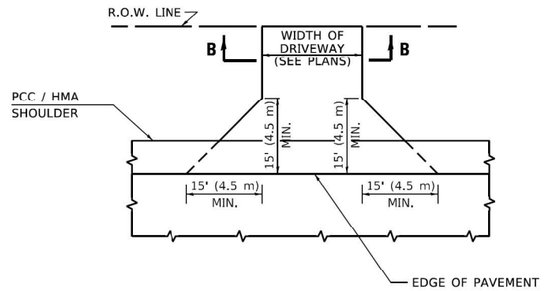
3/10/2024 5:08:19 AM



WITH CONCRETE CURB, TYPE B



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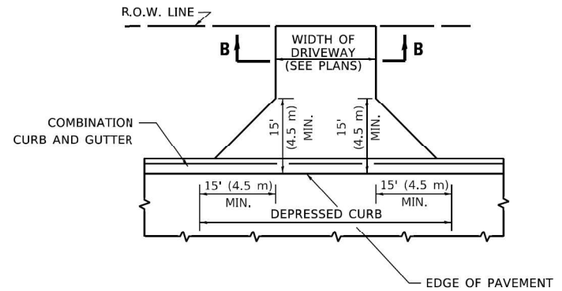

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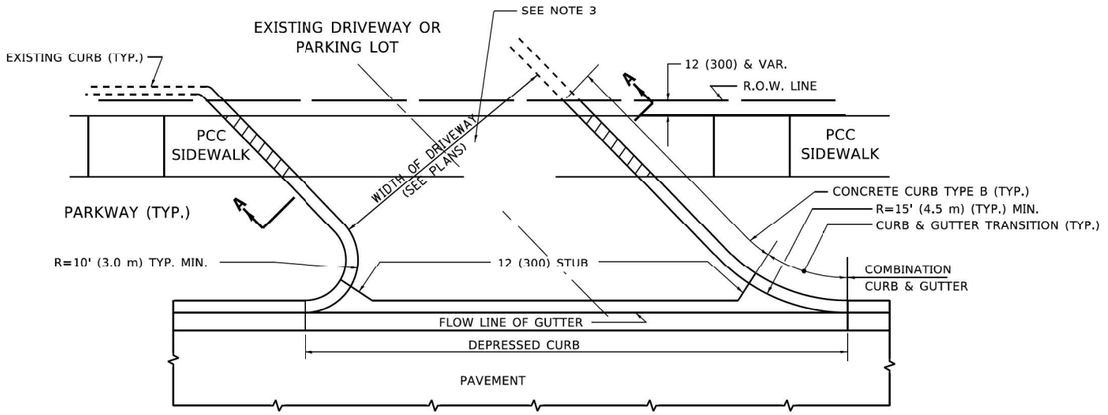
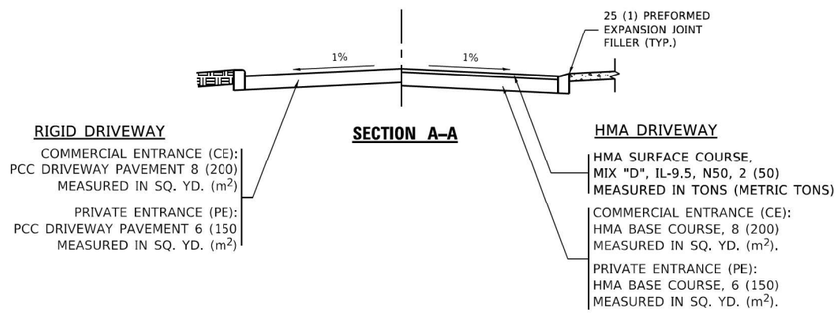
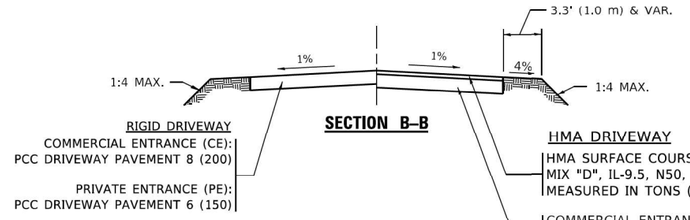


WITH CONCRETE CURB, TYPE B





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

1. 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.

2. 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.

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

BD SHT NO. 1

DTL–01

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = tjwilmoth,DeManche	DESIGNED - RS SHAH	REVISED - R. BORO 06-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)
	DRAWN - TS	REVISED - R. BORO 09-06-11		
PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED - K. SMITH 08-28-19		
PLOT DATE = 1/18/2022	DATE - 12-04-35	REVISED - K. SMITH 11-18-22		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	294
BD400–01 (BD–01)		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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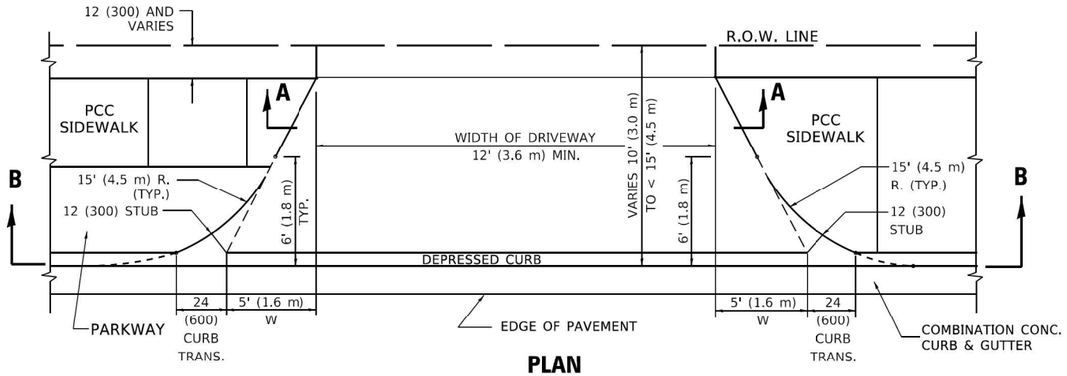
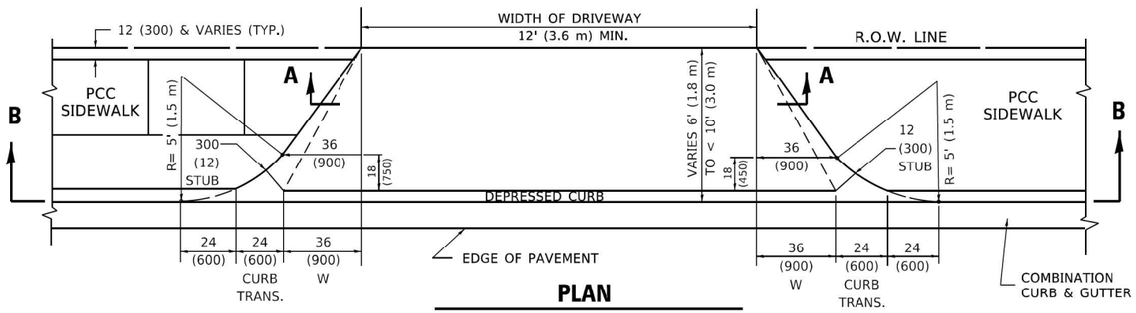


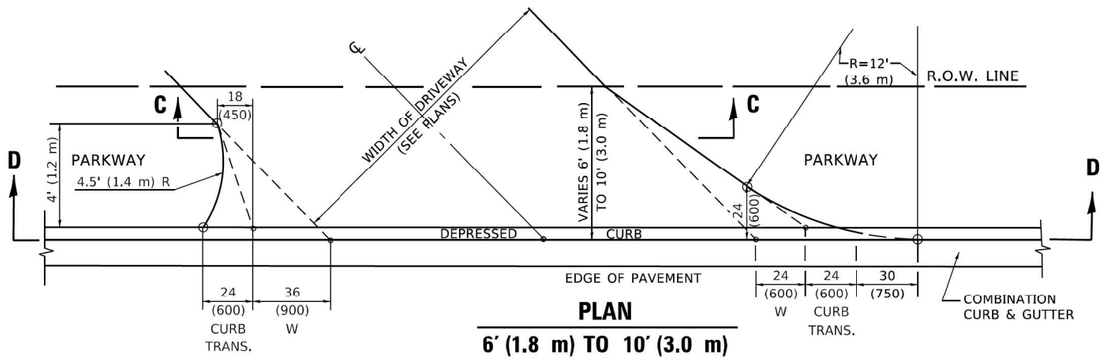
PLAN

10′ (3.0 m) TO < 15′ (4.5 m)



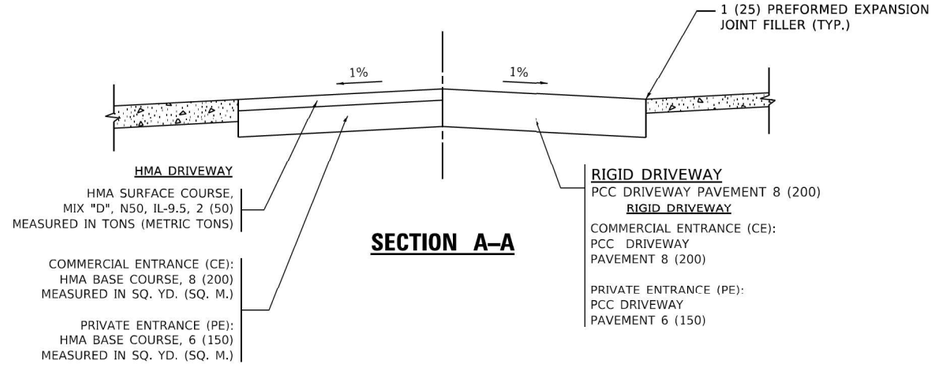
PLAN

6′ (1.8 m) TO < 10′ (3.0 m)

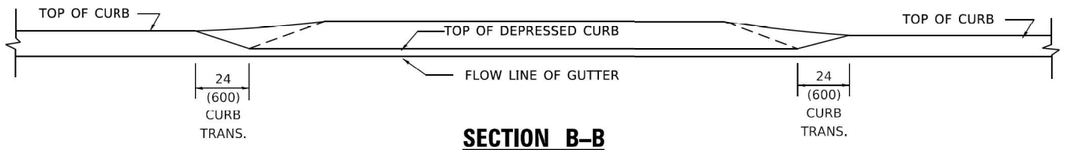


PLAN

6′ (1.8 m) TO 10′ (3.0 m)



SECTION A–A



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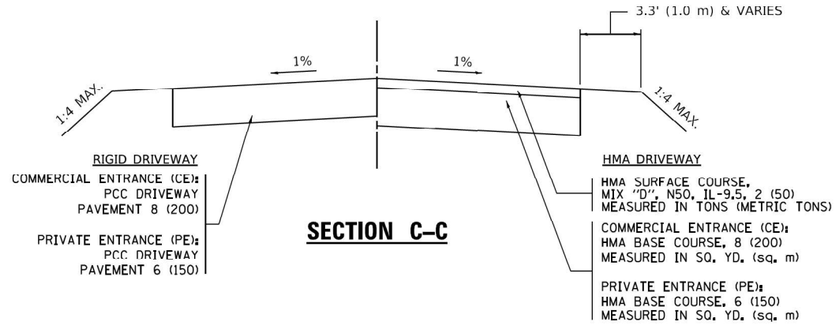

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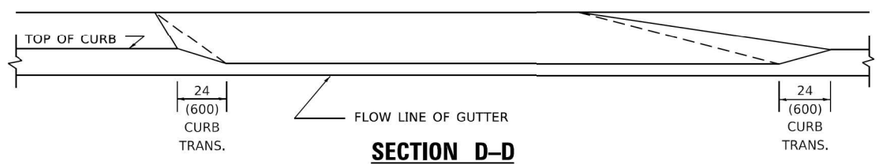

SECTION D–D

GENERAL NOTES

1. 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.
2. 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.
3. "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.

DTL–02

BD SHT NO. 2

MODEL: Default
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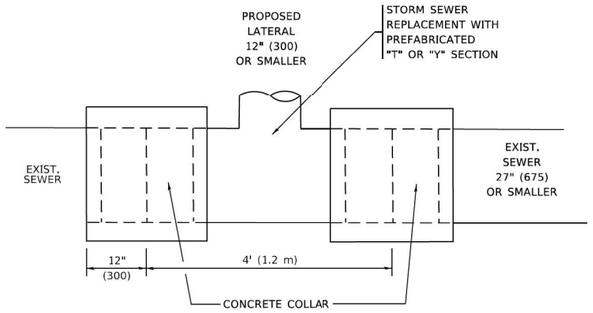
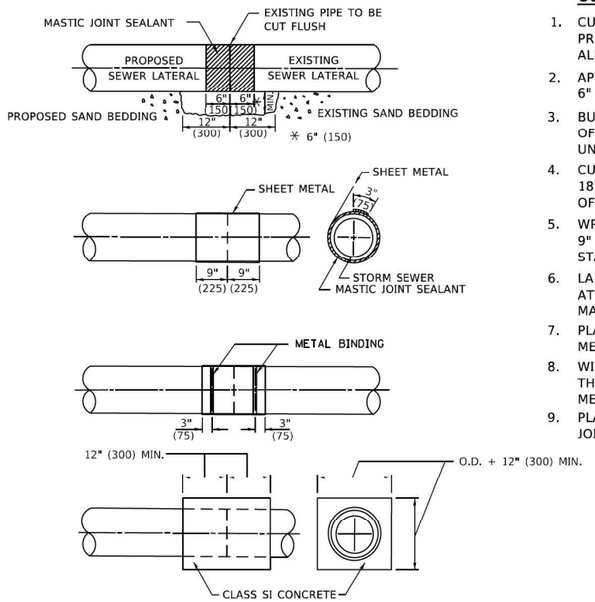
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = tjahnce,tSeManche	DESIGNED - RS SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15′ (4.5m)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - TS	REVISED - R. BORO 09-06-11			2719	3212TS-RR	COOK	336	295
PLOT SCALE = 100.0000 ' / in.	CHECKED - CLG	REVISED - K. SMITH 08-27-19				BD400–02 (BD–02)		CONTRACT NO. 62F11	
PLOT DATE = 3/1/2022	DATE - 12/06/95	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

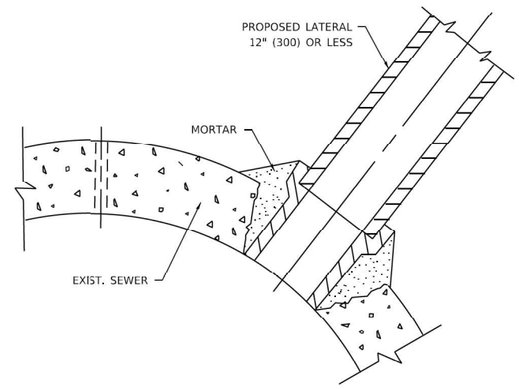


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

DTL–03

BD SHT NO. 3

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = tijahlmcw,DeManche	DESIGNED - GGDE YONG	REVISED -	R. SHAH 09-09-94
	DRAWN - GG	REVISED -	R. SHAH 10-25-94
PLOT SCALE = 100.0000 ' / in.	CHECKED - CLG	REVISED -	R. SHAH 06-12-96
PLOT DATE = 3/14/2022	DATE - 07/25/90	REVISED -	K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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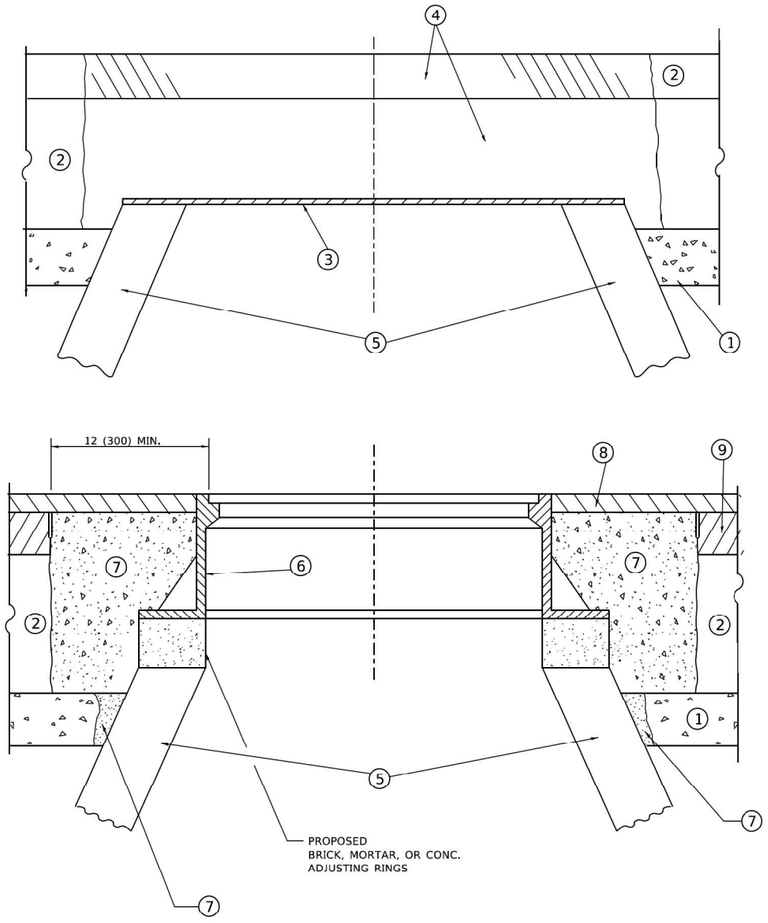
BD500–01 (BD–07)		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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.

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.

DTL–04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

BD SHT NO. 4

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = tijahlmcox@Manche	DESIGNED - R.G SHAH	REVISED - R. BORO 03-09-11	
	DRAWN - GG	REVISED - R. BORO 12-06-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED - CLG	REVISED - K. SMITH 11-18-22	
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

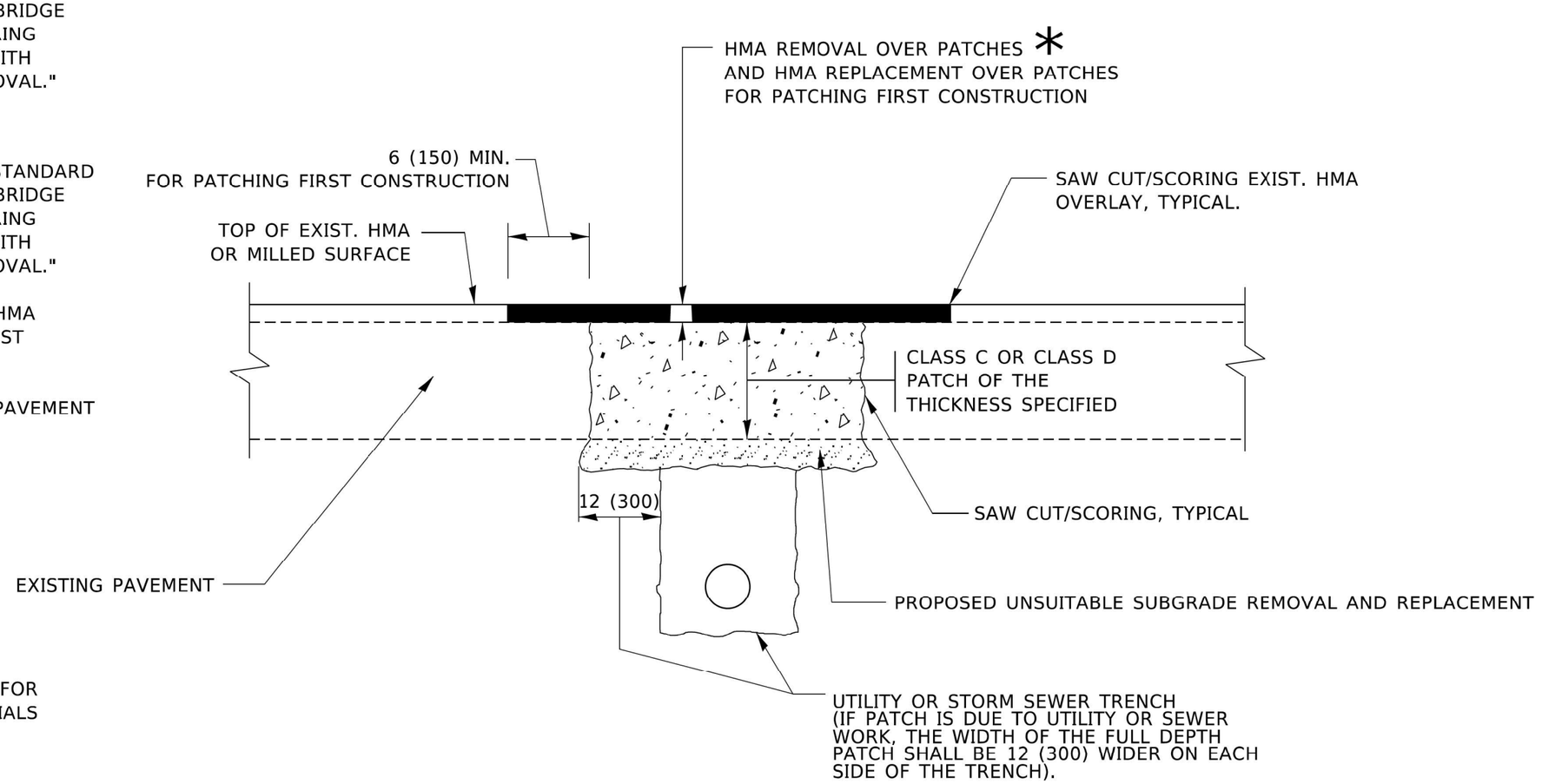
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	297
	BD600–03 (BD–08)	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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.

DTL–05

BD SHT NO. 5

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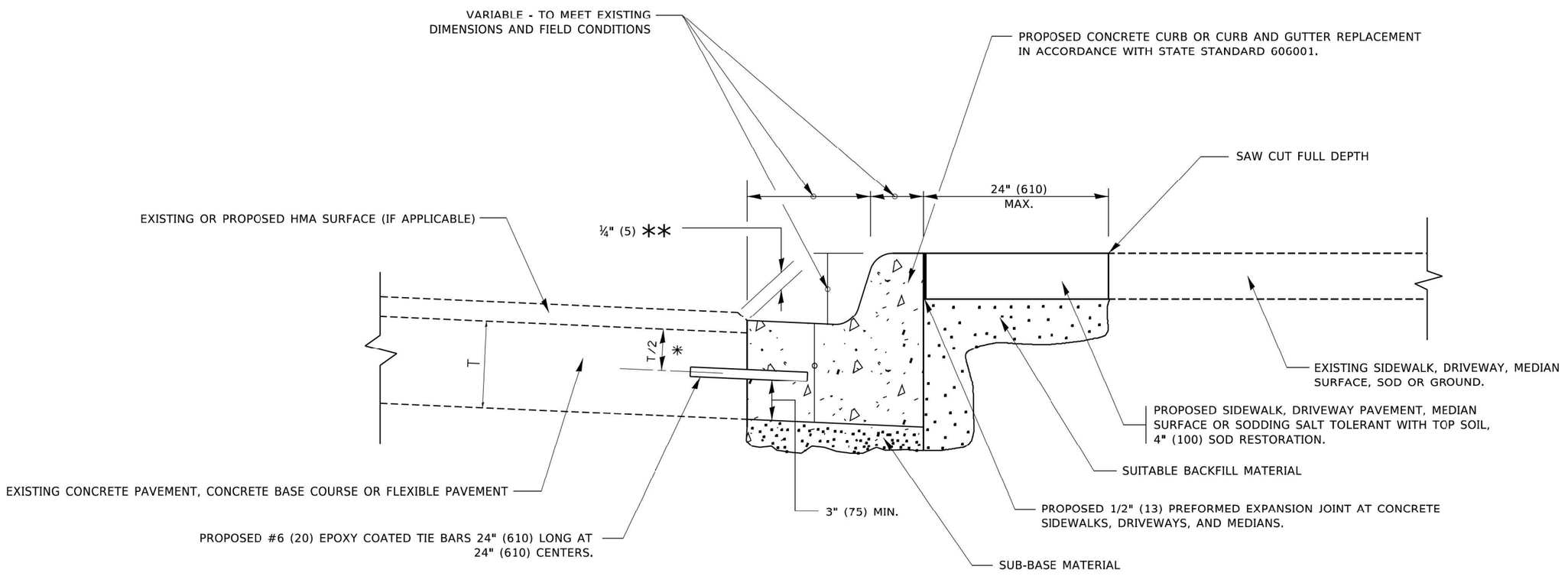
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = tjahnke,DeManche	DESIGNED - GGSHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - GG	REVISED - R. BORO 09-04-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED - CLG	REVISED - K. ENG 10-27-08	
PLOT DATE = 3/14/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	298
BD400–04 (BD–22)		CONTRACT NO. 62F11		
ILLINOIS	FED. AID PROJECT			



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

DTL–06

BD SHT NO. 6

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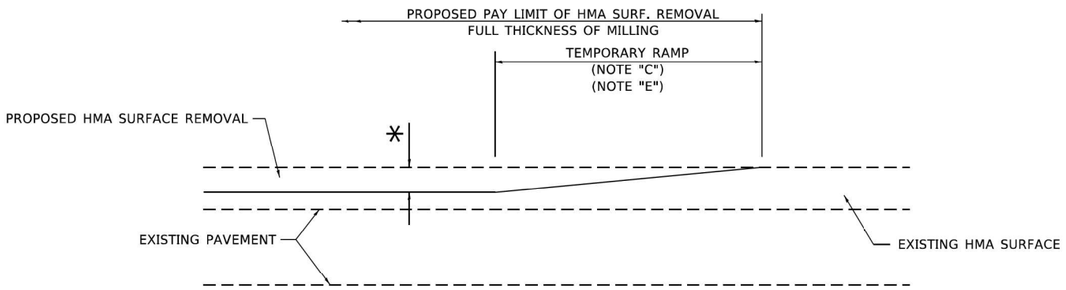
	DRAWN - GG	REVISED - M. GOMEZ 01-22-01			2719	3212TS-RR	COOK	336	299
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - R. BORO 12-15-09				BD600–06 (BD–24)		CONTRACT NO. 62F11	
PLOT DATE = 7/11/2019	DATE - 05/22/04	REVISED - K. SMITH 07-11-19		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

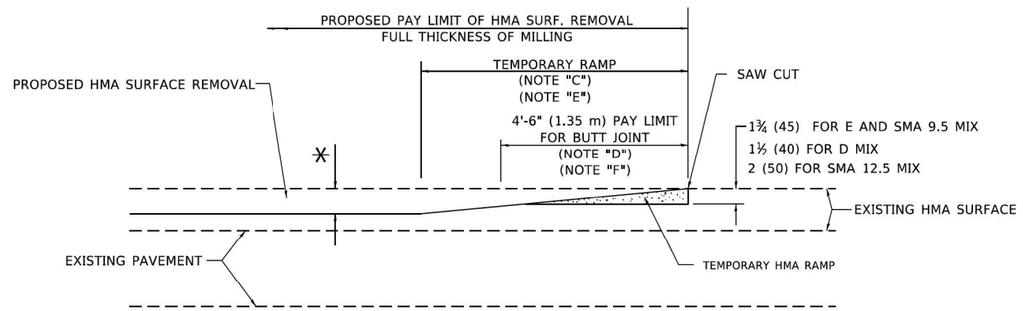
dtl.dgn 7/11/2019 1:53:26 PM User:rosiekm



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

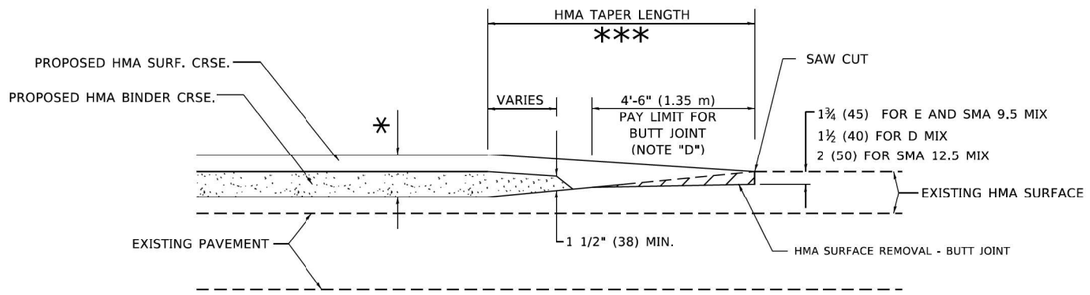


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

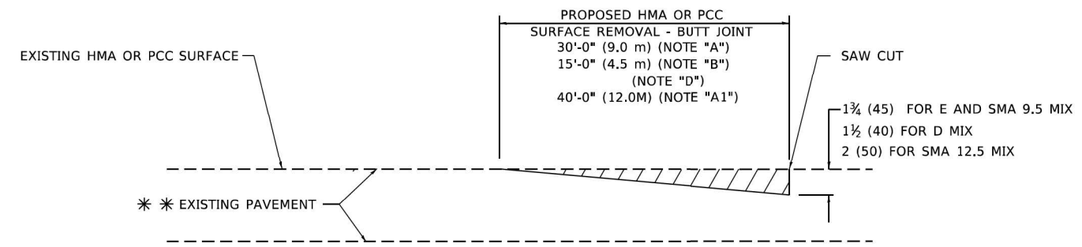
OPTION 2

TYPICAL TEMPORARY RAMP

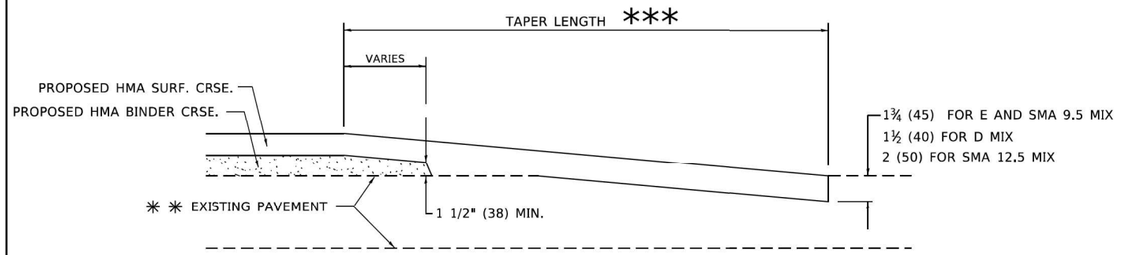


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

DTL–07

BD SHT NO. 7

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

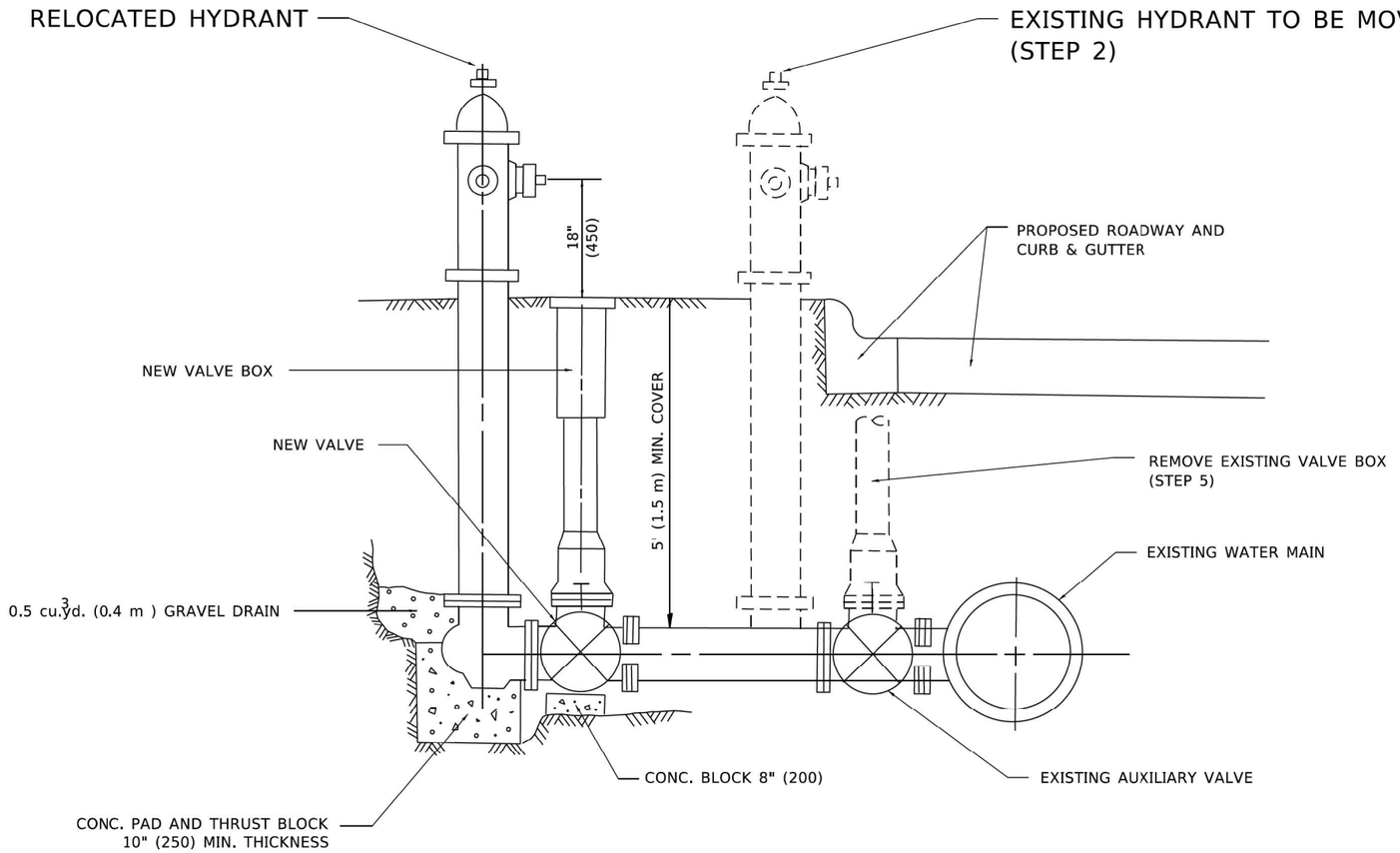
USER NAME = tijahlmcox@eManche		DESIGNED -	GG DE YONG	REVISED -	A. ABBAS 03-21-97		
		DRAWN -	GG	REVISED -	M. GOMEZ 04-06-01		
PLOT SCALE = 100.0000 ' / in.		CHECKED -	CLG	REVISED -	R. BORO 01-01-07		
PLOT DATE = 3/14/2022		DATE -	05/2010	REVISED -	K. SMITH 11-18-22		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	300
	BD400–05 BD–32	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

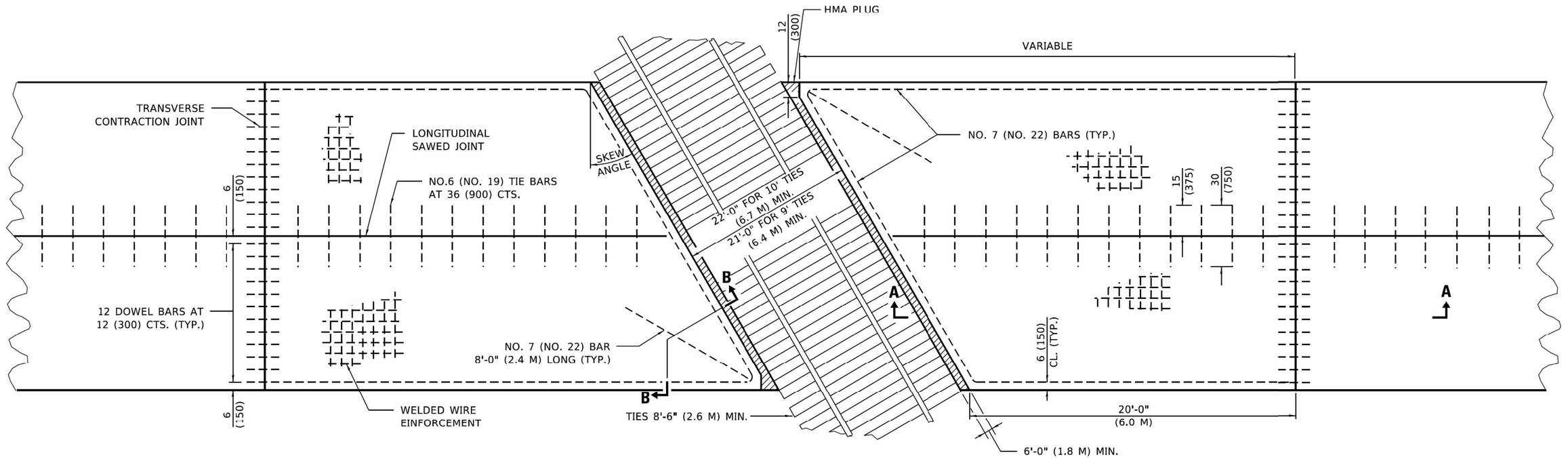
DTL–08

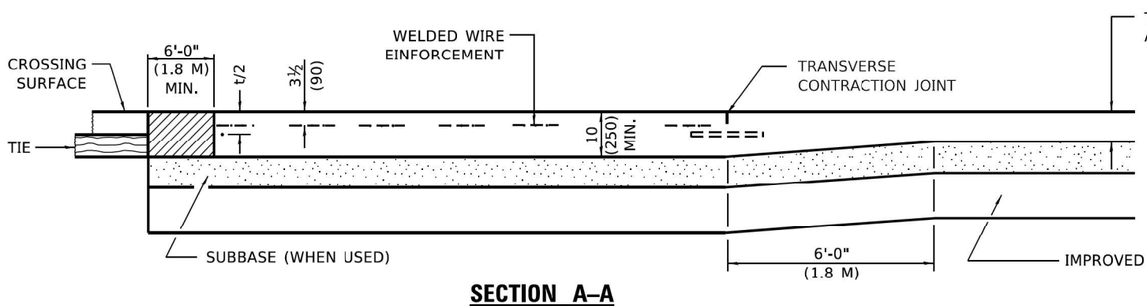
BD SHT NO. 7

MODEL: Default
FILE NAME: i:\sht\sht-hnpf-0023

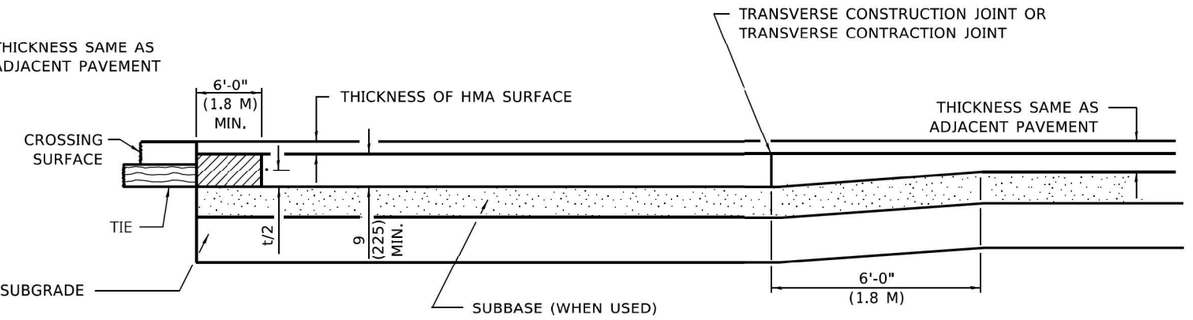
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = tjaehnen/DeManche	DESIGNED - GG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED
		DRAWN - GG	REVISED - R. SHAH 10-25-94		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - CLG	REVISED - K. SMITH 11-18-22		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 3/11/2022	DATE - 3/5/2024	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	301
	BD–36	CONTRACT NO. 62F11		
	ILLINOIS | FED. AID PROJECT			

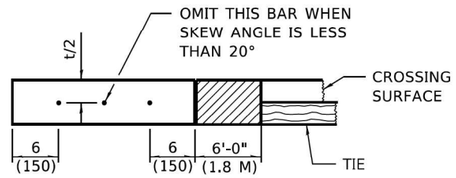




SECTION A–A
(FOR PCC PAVEMENT)



SECTION A–A
(FOR PCC BASE COURSE WITH HMA SURFACE)



SECTION B–B

GENERAL NOTES

SEE STANDARD 420001 FOR JOINT DETAILS NOT SHOWN.

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

DTL–09

BD SHT NO. 9

MODIFIED STATE STANDARD 420501

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = tjwilmes,SManche	DESIGNED - GPATEL	REVISED -	10-28-13
	DRAWN - GG	REVISED -	06-16-16
PLOT SCALE = 100.0000 ' / in.	CHECKED - CLG	REVISED -	K. SMITH 11-18-22
PLOT DATE = 1/18/2022	DATE - 10-28-2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	302
	BD–56	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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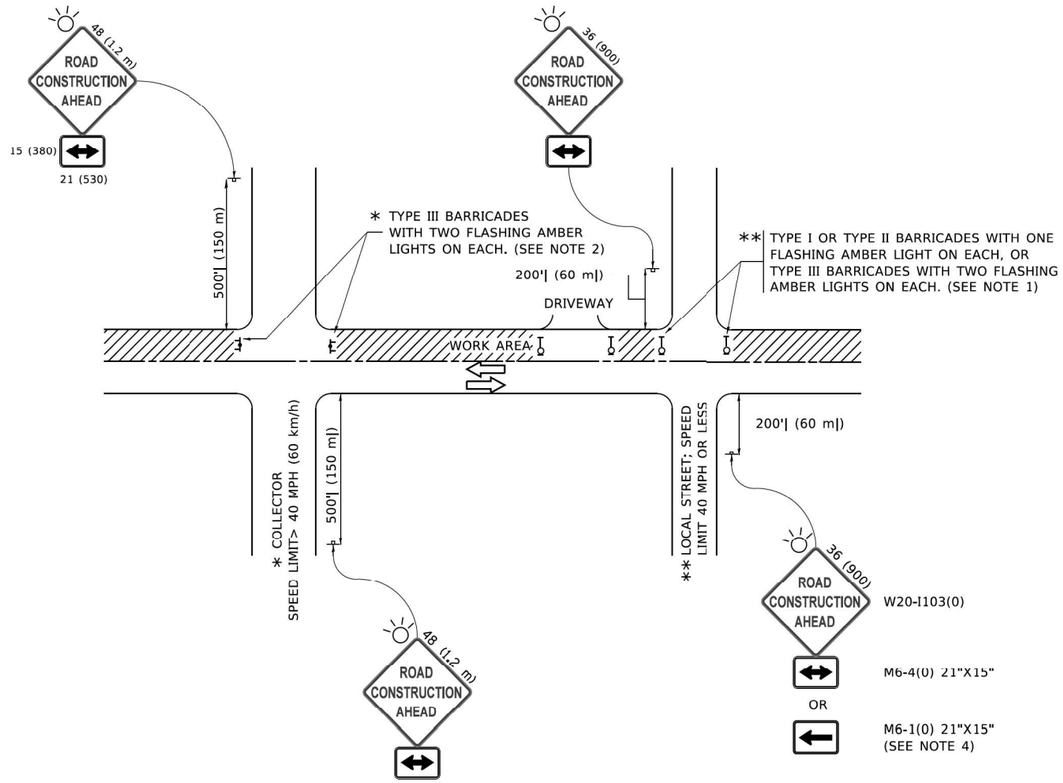


NOTES:

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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
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.

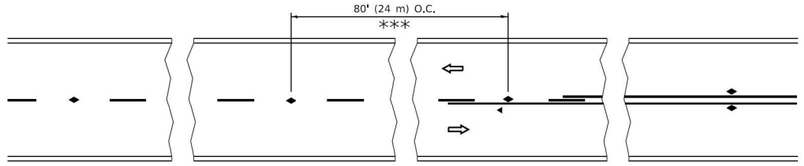
DTL–10

TC SHT NO. 1

MODEL: Default
FILE NAME: N:\01Projects\D1570\Drawings\TCP\Sheets\tc10.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

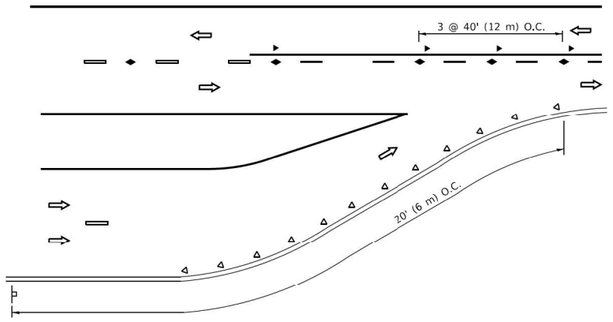
USER NAME = kdsamj	DESIGNED - G.R.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A.U. RTE. 2719 | SECTION 3212TS-RR | COUNTY COOK | TOTAL SHEETS 336 | SHEET NO. 303
	DRAWN - GG	REVISED - T. RAMMACHER 01-06-00			TC–10 | CONTRACT NO. 62F11
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - A. SCHUETZE 07-01-13		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.	ILLINOIS | FED. AID PROJECT
PLOT DATE = 3/4/2019	DATE - 05-09-24	REVISED - A. SCHUETZE 09-15-16			



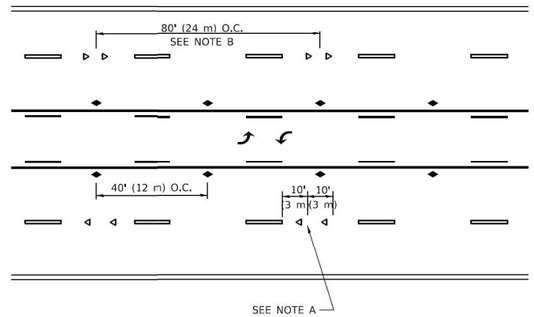
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

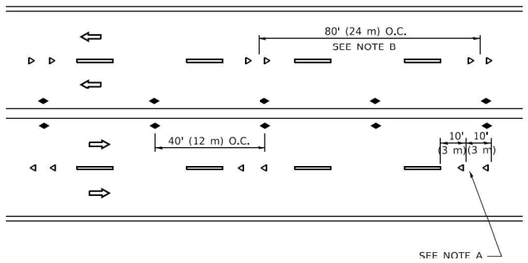
SEE FIGURE 3B-14 MUTCD

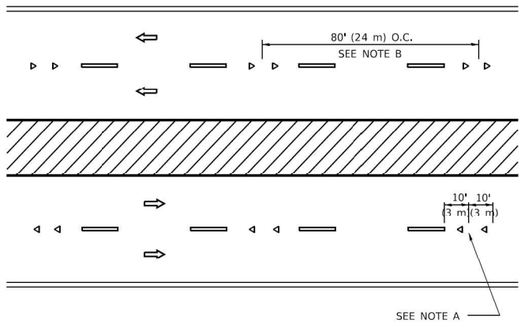


LANE REDUCTION TRANSITION



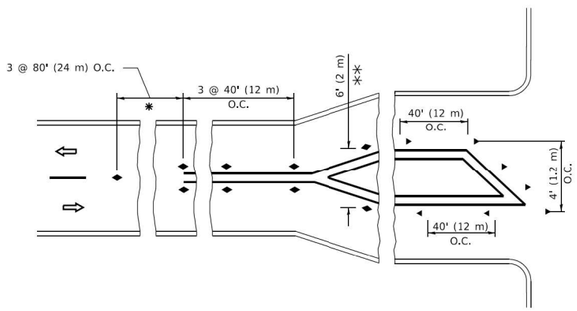
TWO–WAY LEFT TURN

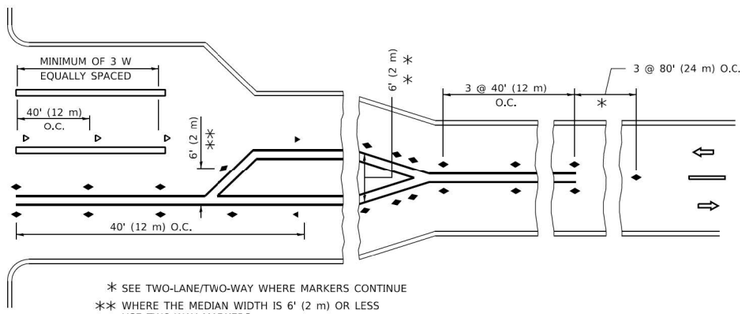




MULTI–LANE/UNDIVIDED

MULTI–LANE/DIVIDED





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

GENERAL NOTES

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

SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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

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

DTL–11

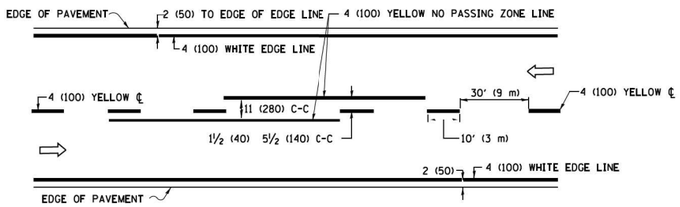
TC SHT NO. 2

MODEL: Default
FILE NAME: ...\dtl-sht-snpf-0023

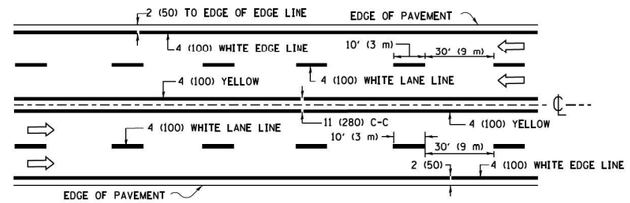
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = default	DESIGNED - GG	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)	F.A.U. RTE. 2719 · SECTION 3212TS-RR · COUNTY COOK · TOTAL SHEETS 336 · SHEET NO. 304
	DRAWN - GG	REVISED - T. RAMMACHER 01-06-00			TC–11 · CONTRACT NO. 62F11
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - C. JUCIUS 09-09-09			ILLINOIS · FED. AID PROJECT
PLOT DATE = 3/4/2024	DATE - 3/5/2024	REVISED - C. JUCIUS 07-01-13		SCALE: NONE · SHEET 1 OF 1 SHEETS · STA. · TO STA.	

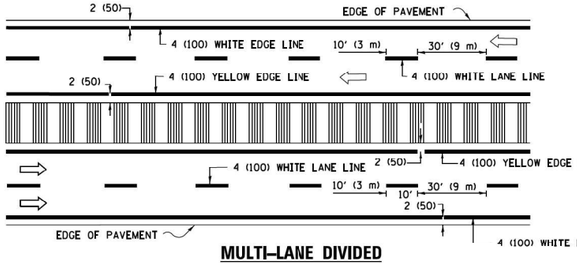
dtl11.dgn 3/4/2024 10:29:08 AM User:footers



2–LANE ROADWAY

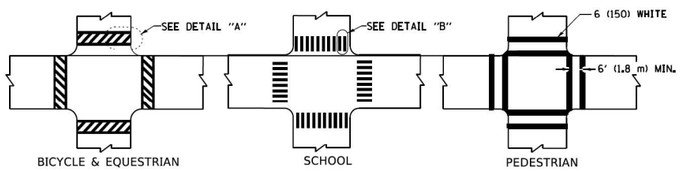


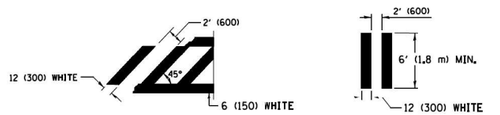
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

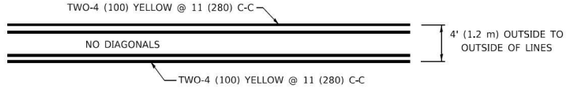




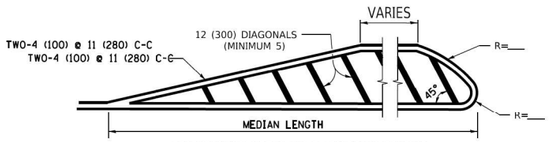
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



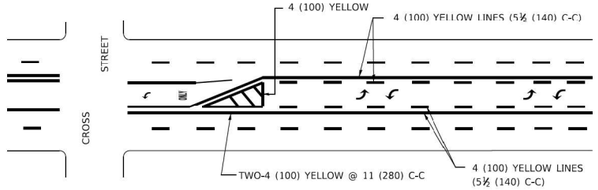
4' (1.2 m) WIDE MEDIANS ONLY



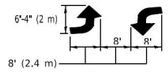
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

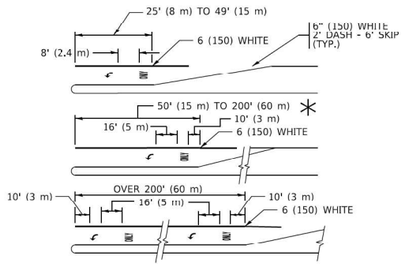


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

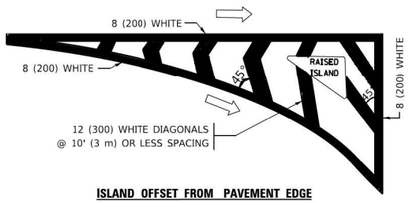


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

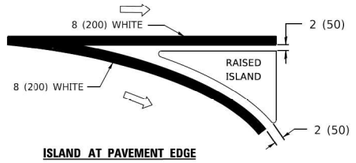
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

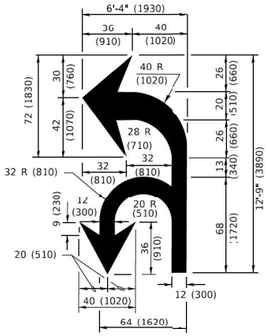


ISLAND OFFSET FROM PAVEMENT EDGE

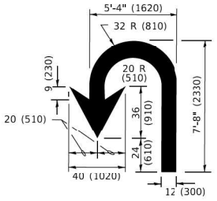


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

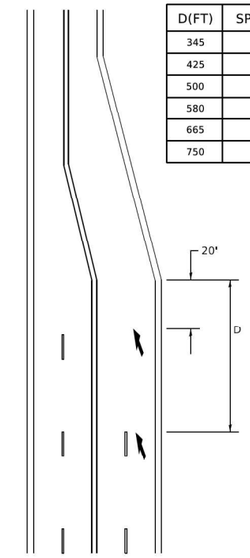


COMBINATION LEFT AND U–TURN



U–TURN

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



LANE REDUCTION TRANSITION

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

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	5½ (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; 5½ (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 m² EACH "X"=54.0 SQ. FT. (5.0 m²
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.

DTL–12

TC SHT NO. 3

MODEL: Default
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USER NAME = kdstemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	F.A.U. RTE. 2719 / SECTION 3212TS-RR / COUNTY COOK / TOTAL SHEETS 336 / SHEET NO. 305
	DRAWN - GG	REVISED - C. JUCIUS 07-01-13				TC–13 / CONTRACT NO. 62F11
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - C. JUCIUS 12-21-15			SCALE: NONE / SHEET 1 OF 2 SHEETS / STA. / TO STA.	ILLINOIS / FED. AID PROJECT
PLOT DATE = 3/4/2019	DATE - 05/19/00	REVISED - C. JUCIUS 04-12-16				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

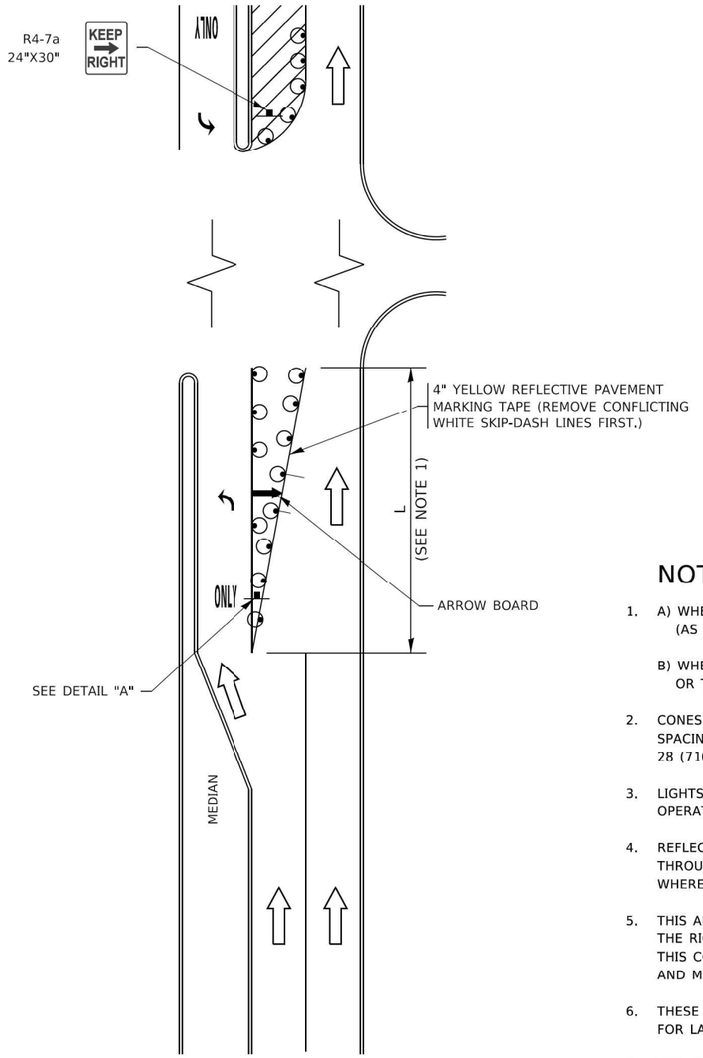


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

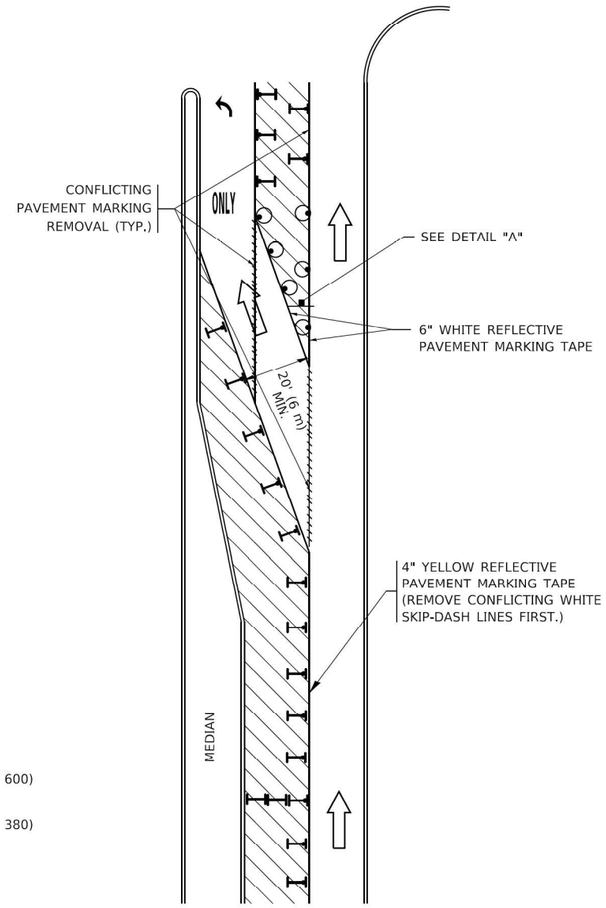
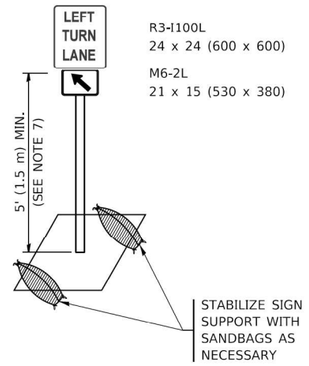


FIGURE 2



DETAIL A

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

DTL–13

TC SHT NO. 4

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

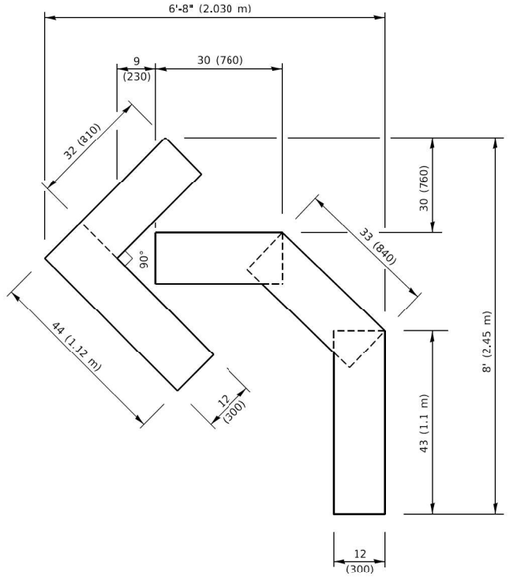
USER NAME = tdeleam	DESIGNED - T. RAMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. GHOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. GHOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

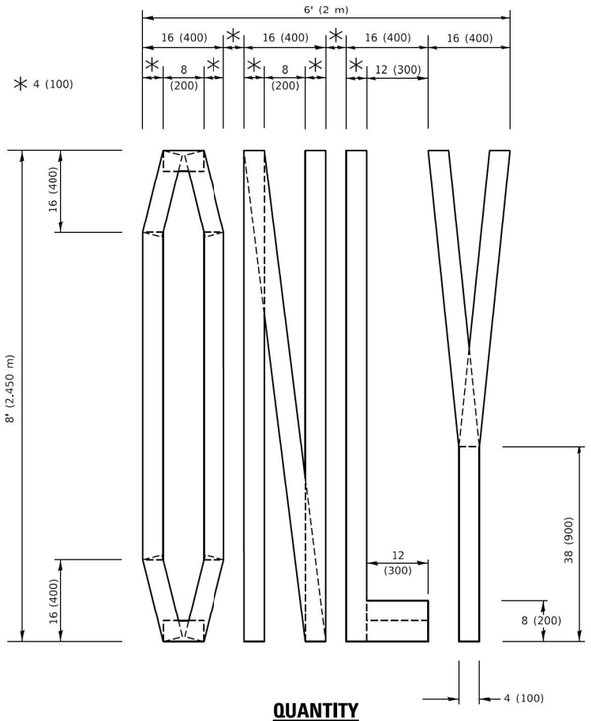
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2/19	3212TS-RR	COOK	336	306
	TC-14	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



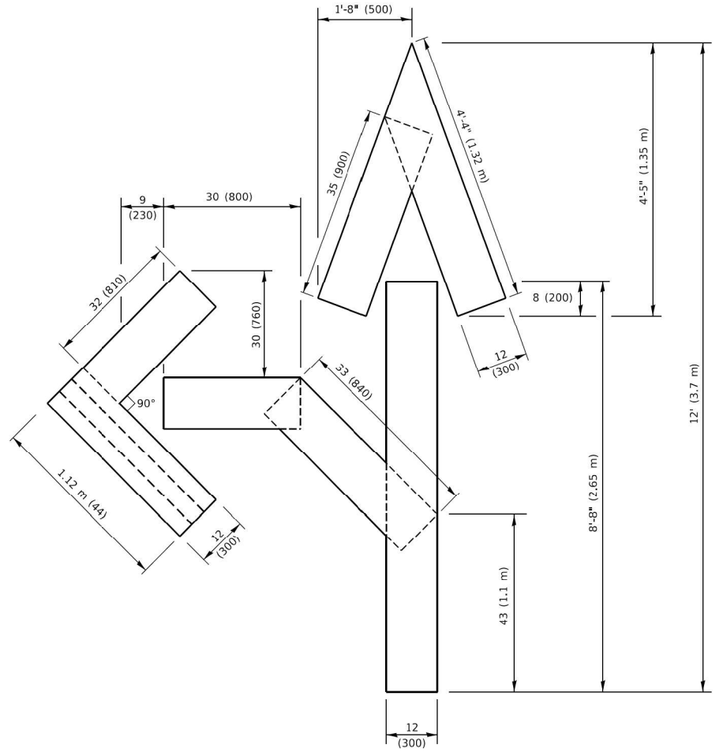
QUANTITY

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



QUANTITY

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

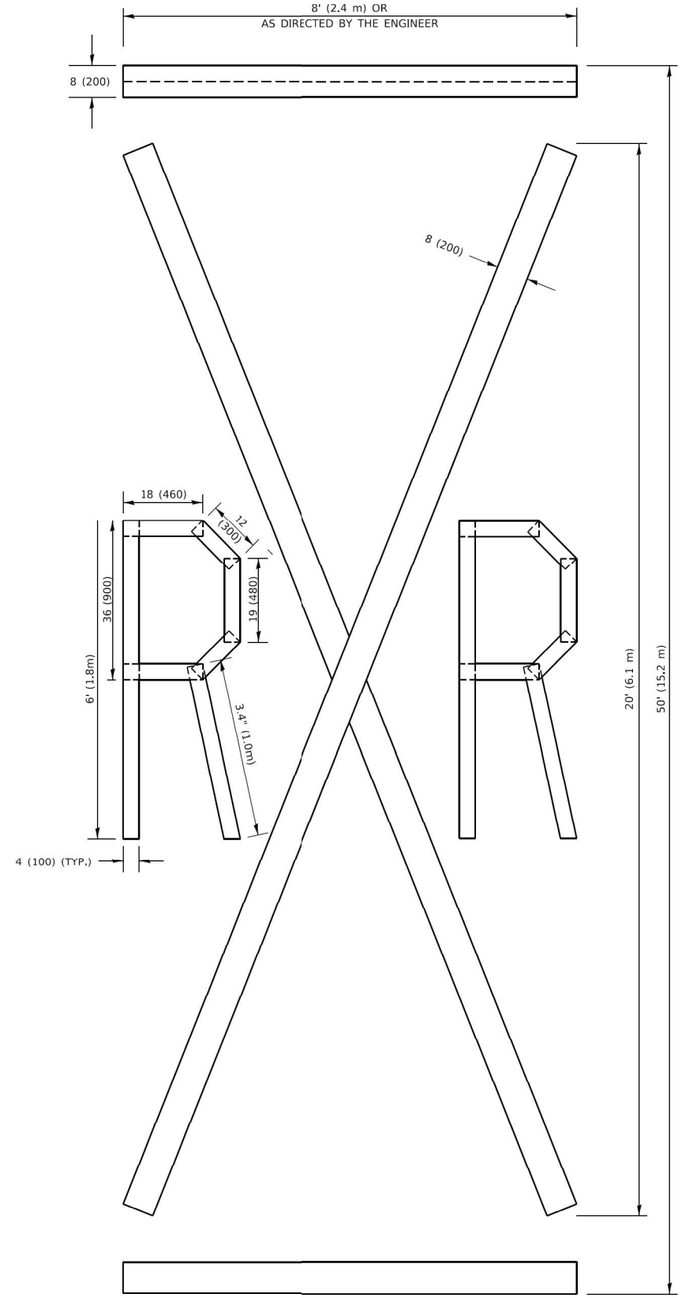


QUANTITY

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

NOTE:

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



QUANTITY

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

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

DTL–14

TC SHT NO. 5

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = fcloteemj	DESIGNED - GG	REVISED - T. RAMMACHER 03-02-98	
	DRAWN - GG	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0066 ' / in.	CHECKED - CLG	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 05-12-94	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	307
	TC–16	**CONTRACT NO.** 62F11		
	ILLINOIS FED. AID PROJECT			

c16.dgn 3/4/2019 10:37:35 AM User=fcloteemj

ROUTE MARKERS

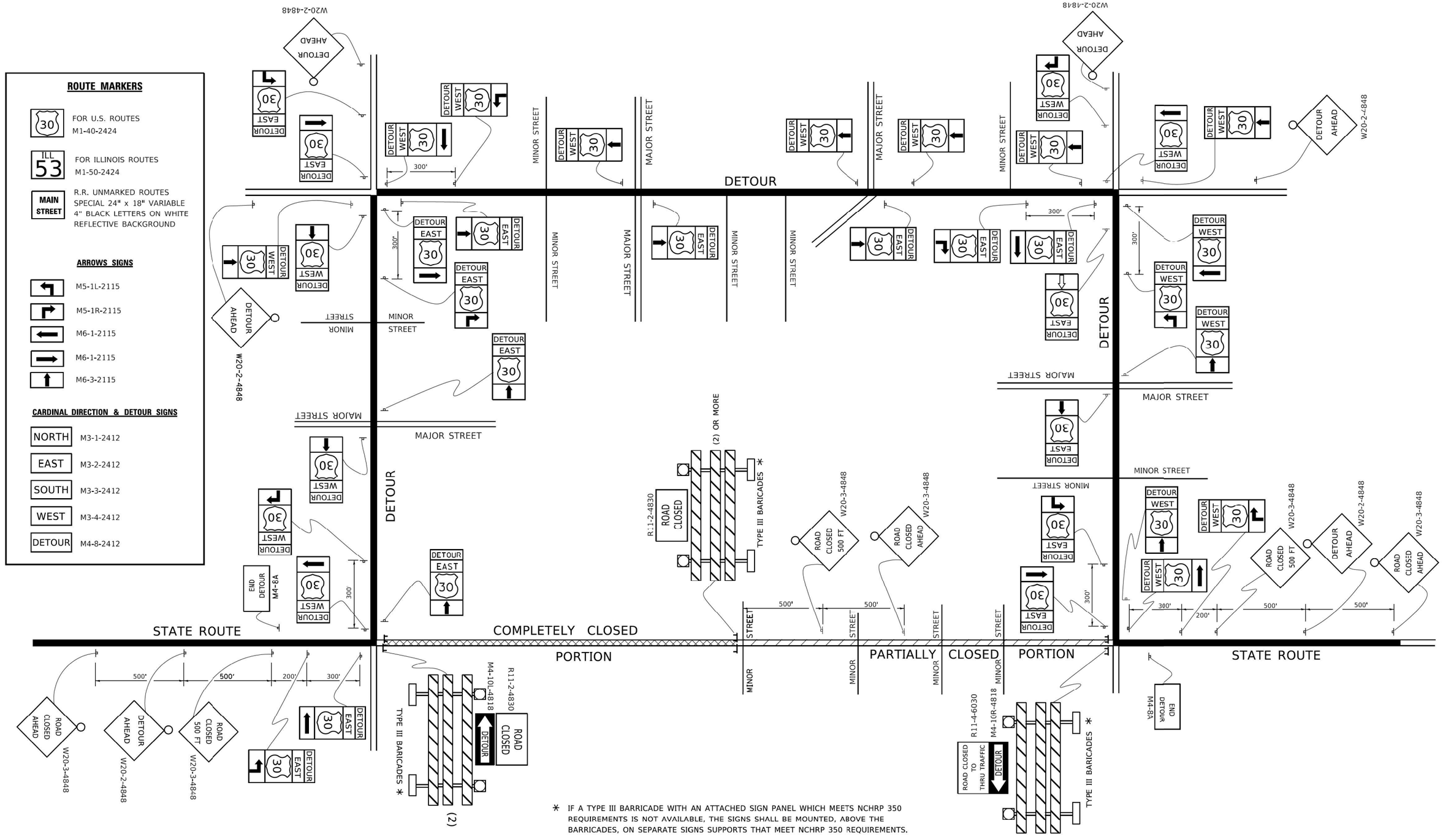
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

NORTH	M3-1-2412
EAST	M3-2-2412
SOUTH	M3-3-2412
WEST	M3-4-2412
DETOUR	M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

TC SHT NO. 6

DTL–15

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

USER NAME = Administrator	DESIGNED - GG	REVISED - 10-18-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
	DRAWN - GG	REVISED - R. BORO 09-14-09			
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.
PLOT DATE = 3/4/2019	DATE - 3/5/2024	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	308
	TC–21	CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		

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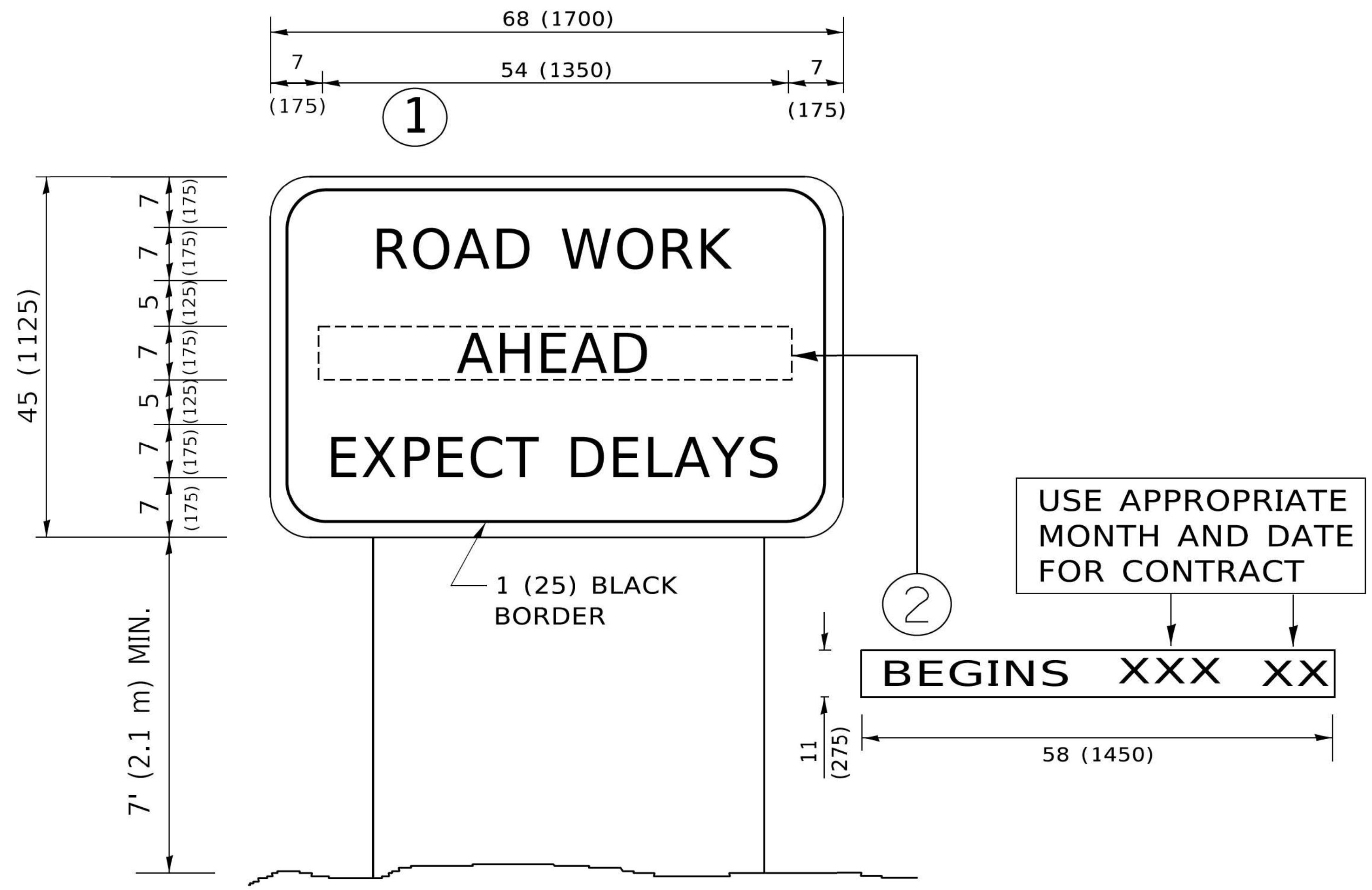

NOTES:

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.

DTL-16

TC SHT NO. 7

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = footemj	DESIGNED - GG	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - GG	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2024	DATE - 3/5/2024	REVISED - C. JUCIUS 01-31-07	

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	309
	TC-22	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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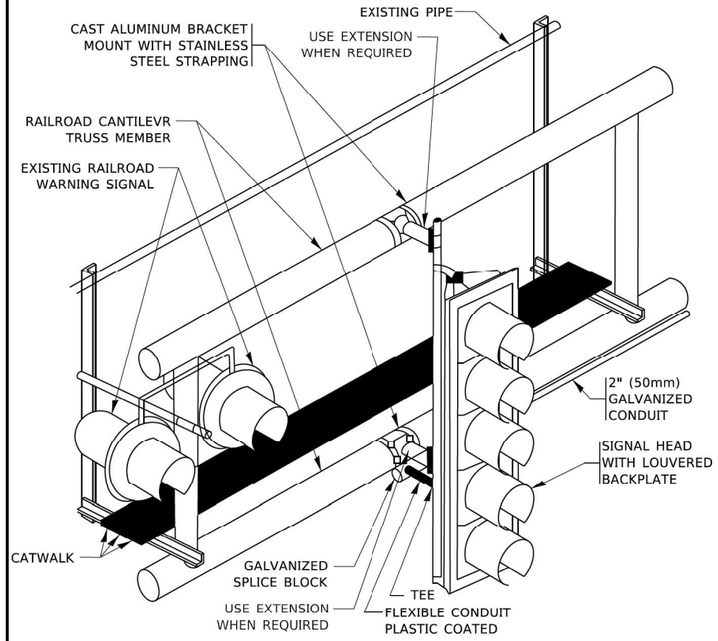


RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION

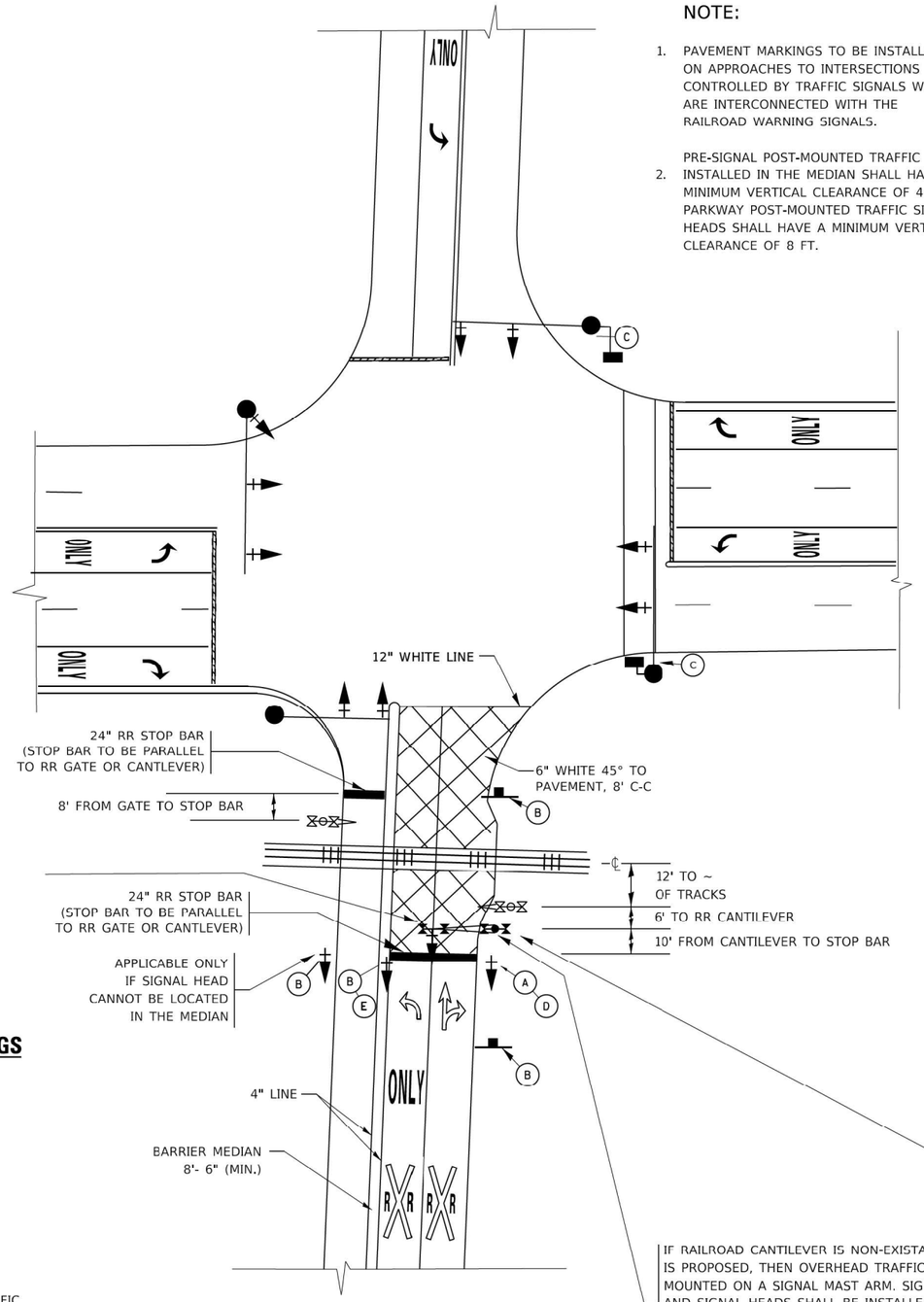
N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.

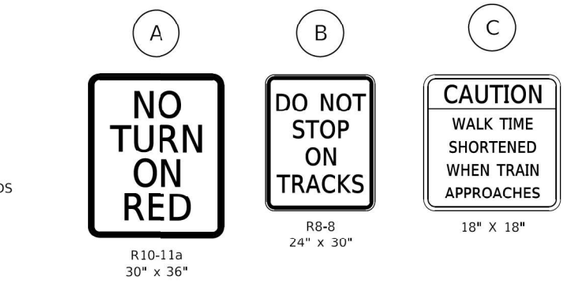


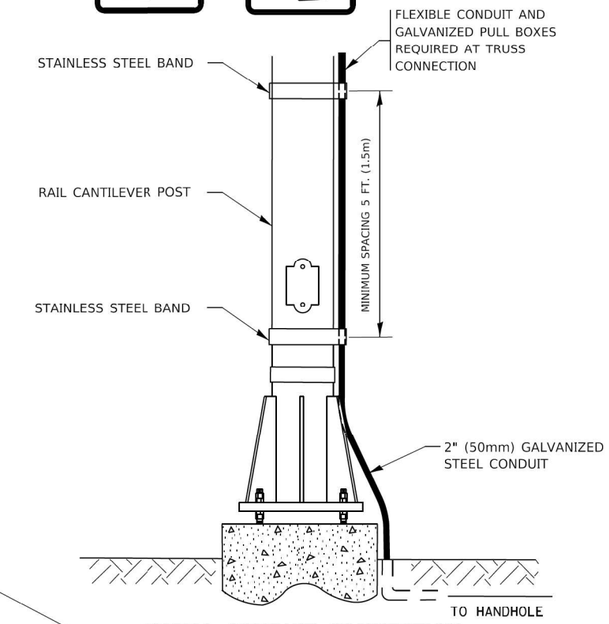
SIGNALIZED INTERSECTION WITH NEAR–SIDE TRAFFIC SIGNAL

NOTE:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.

IF RAILROAD CANTILEVER IS NON-EXISTANT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL HEADS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM SHALL BE AT LEAST 12 FT. FROM NEAREST RAIL.





SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

DTL–17

TC SHT NO. 8

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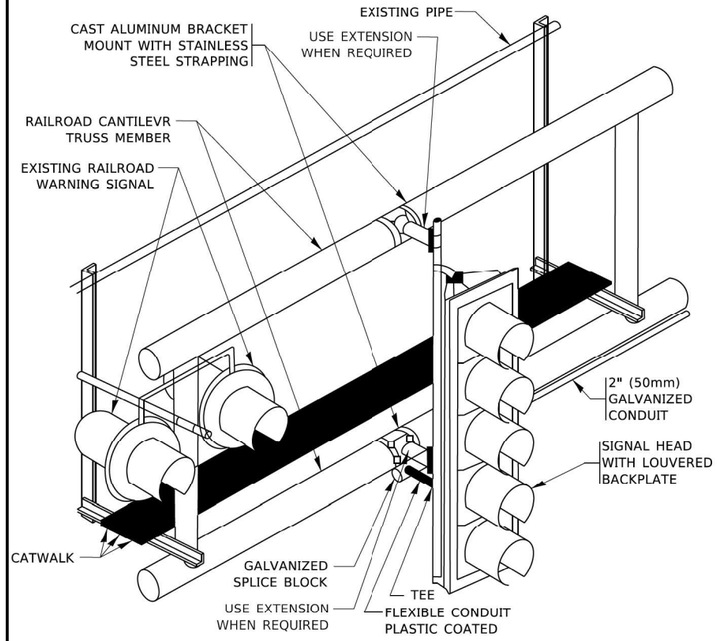
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = dotstamj	DESIGNED - GG	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS	F.A.U. RTE. 2719	SECTION 3212TS-RR	COUNTY COOK	TOTAL SHEETS 336	SHEET NO. 310
		DRAWN - GG	REVISED - 04-26-12							
	PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - A.R. 07-11-16				TC–23		CONTRACT NO. 62F11	
	PLOT DATE = 8/22/2019	DATE - 3/5/2024	REVISED - D.G. 8-22-19		SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION

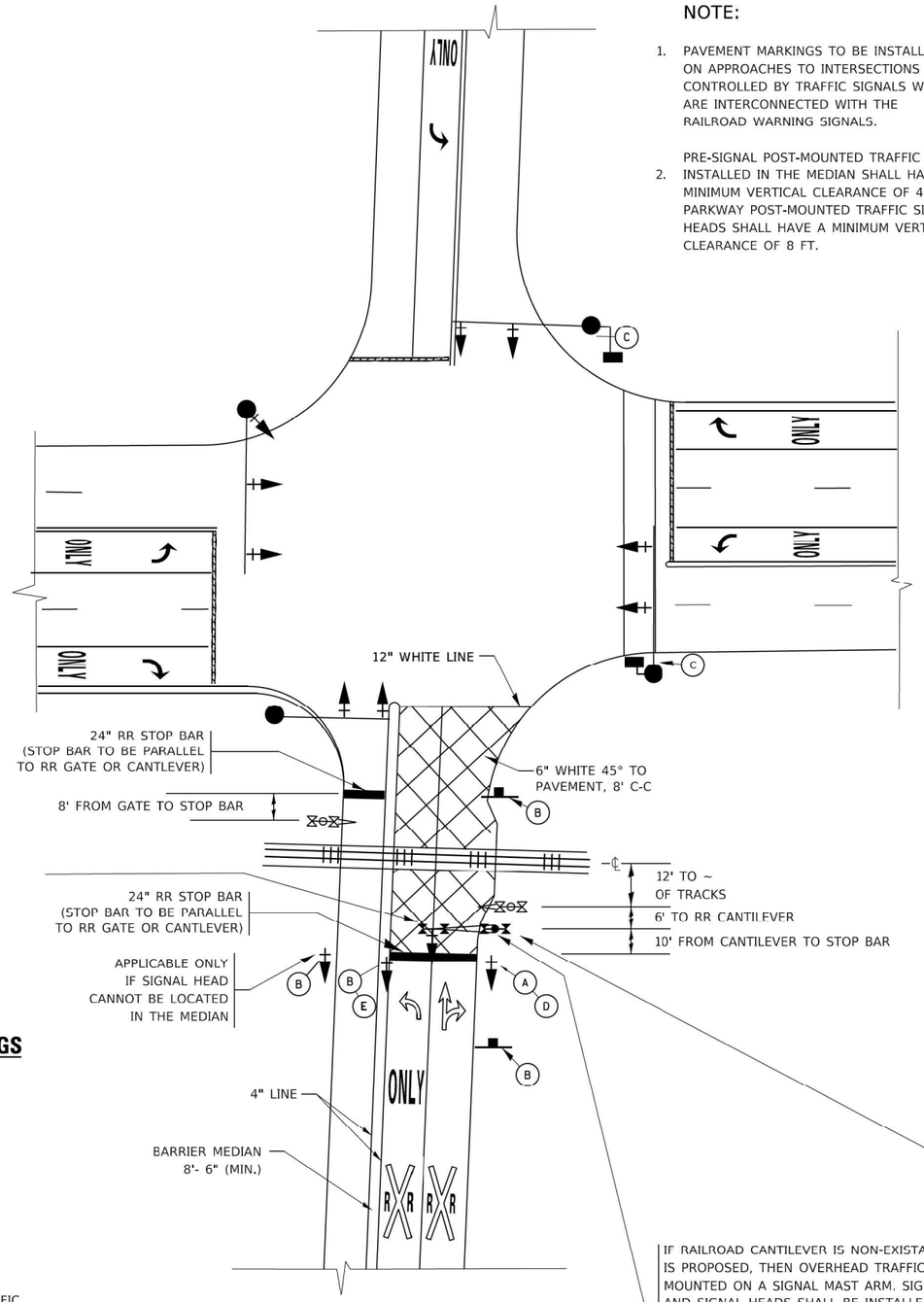
N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.

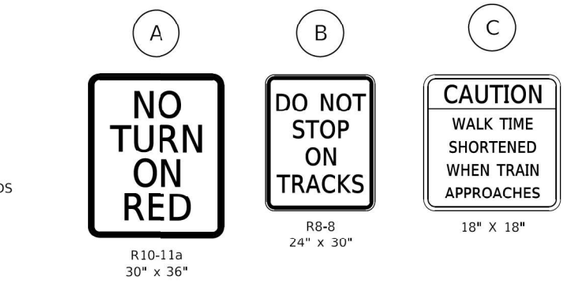


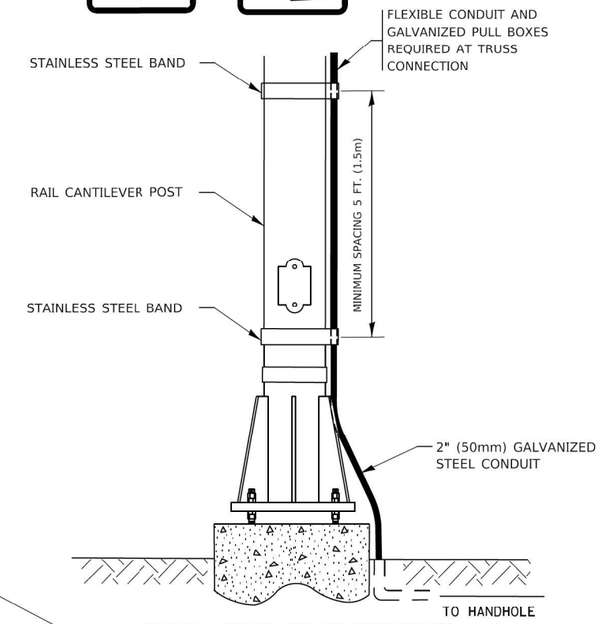
SIGNALIZED INTERSECTION WITH NEAR–SIDE TRAFFIC SIGNAL

NOTE:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.

IF RAILROAD CANTILEVER IS NON-EXISTANT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL HEADS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM SHALL BE AT LEAST 12 FT. FROM NEAREST RAIL.





SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

DTL–18

TC SHT NO. 9

MODEL: Default
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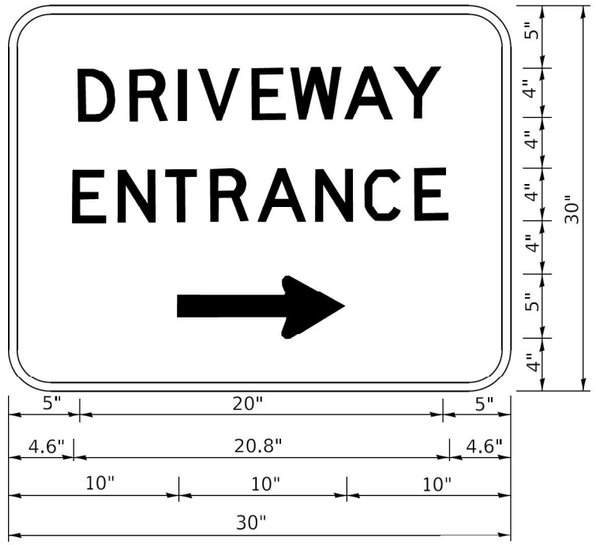
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = dotstamj	DESIGNED - GG	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS	F.A.U. RTE. 2719	SECTION 3212TS-RR	COUNTY COOK	TOTAL SHEETS 336	SHEET NO. 311
		DRAWN - GG	REVISED - 04-26-12				TC–23		CONTRACT NO. 62F11	
	PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED - A.R. 07-11-16		SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
	PLOT DATE = 8/22/2019	DATE - 3/5/2024	REVISED - D.G. 8-22-19							



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".

TC SHT NO. 10

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DTL–19

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = bsyson	DESIGNED - GG	REVISED - C. JUCIUS 02-15-07	
	DRAWN - GG	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/6/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	312
	TC–26	CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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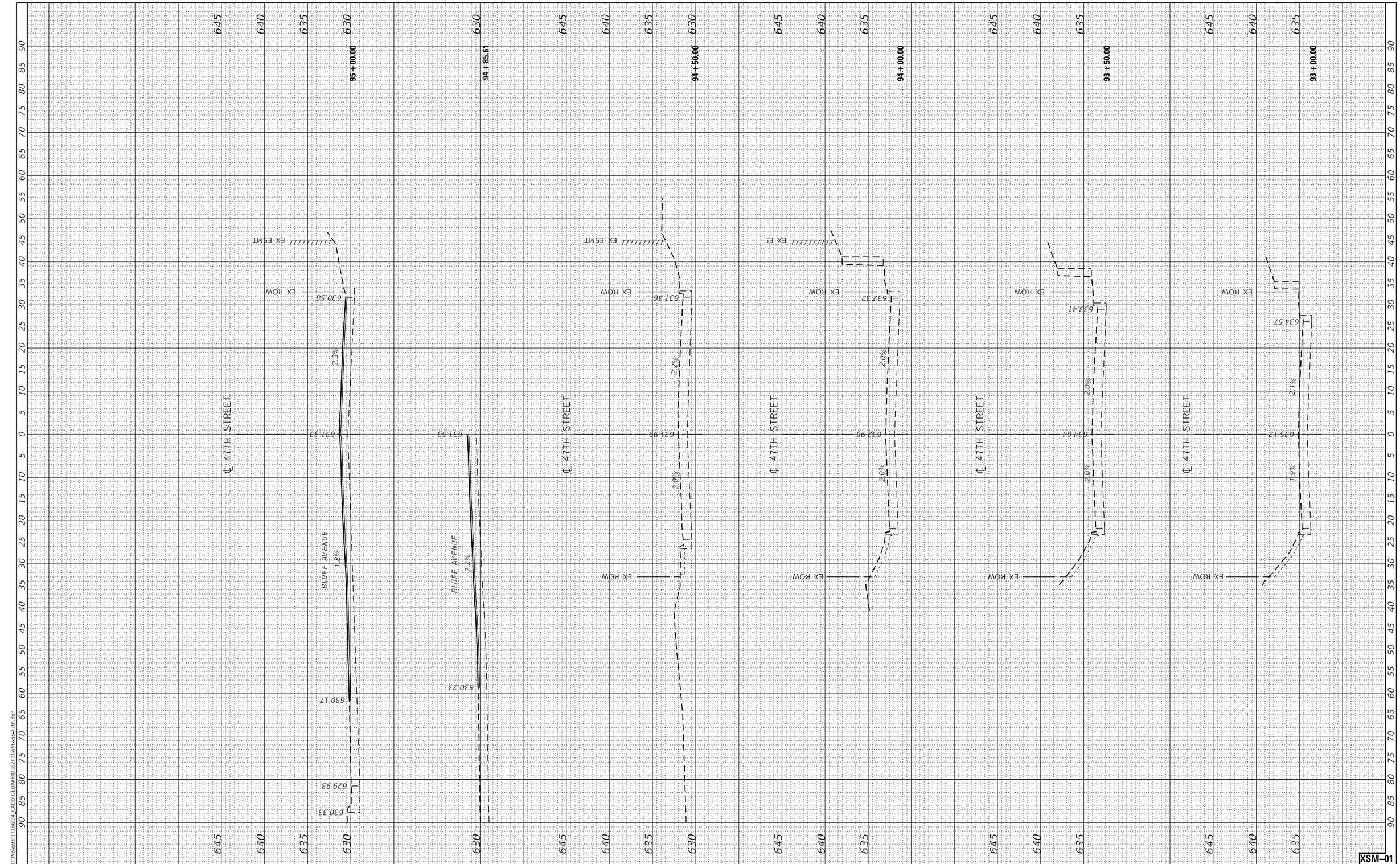

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

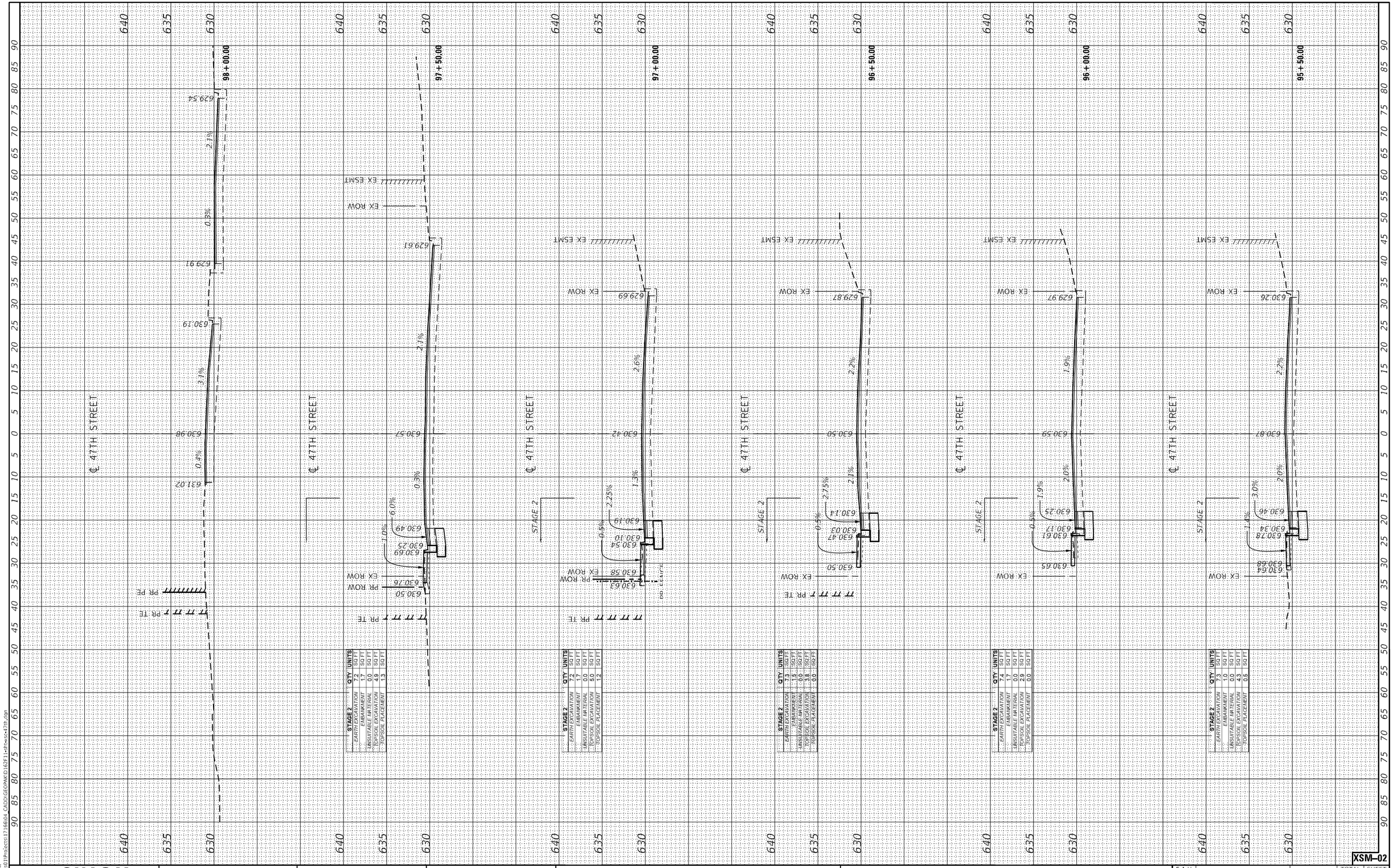
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 93+00.00 TO STA. 95+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	313
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
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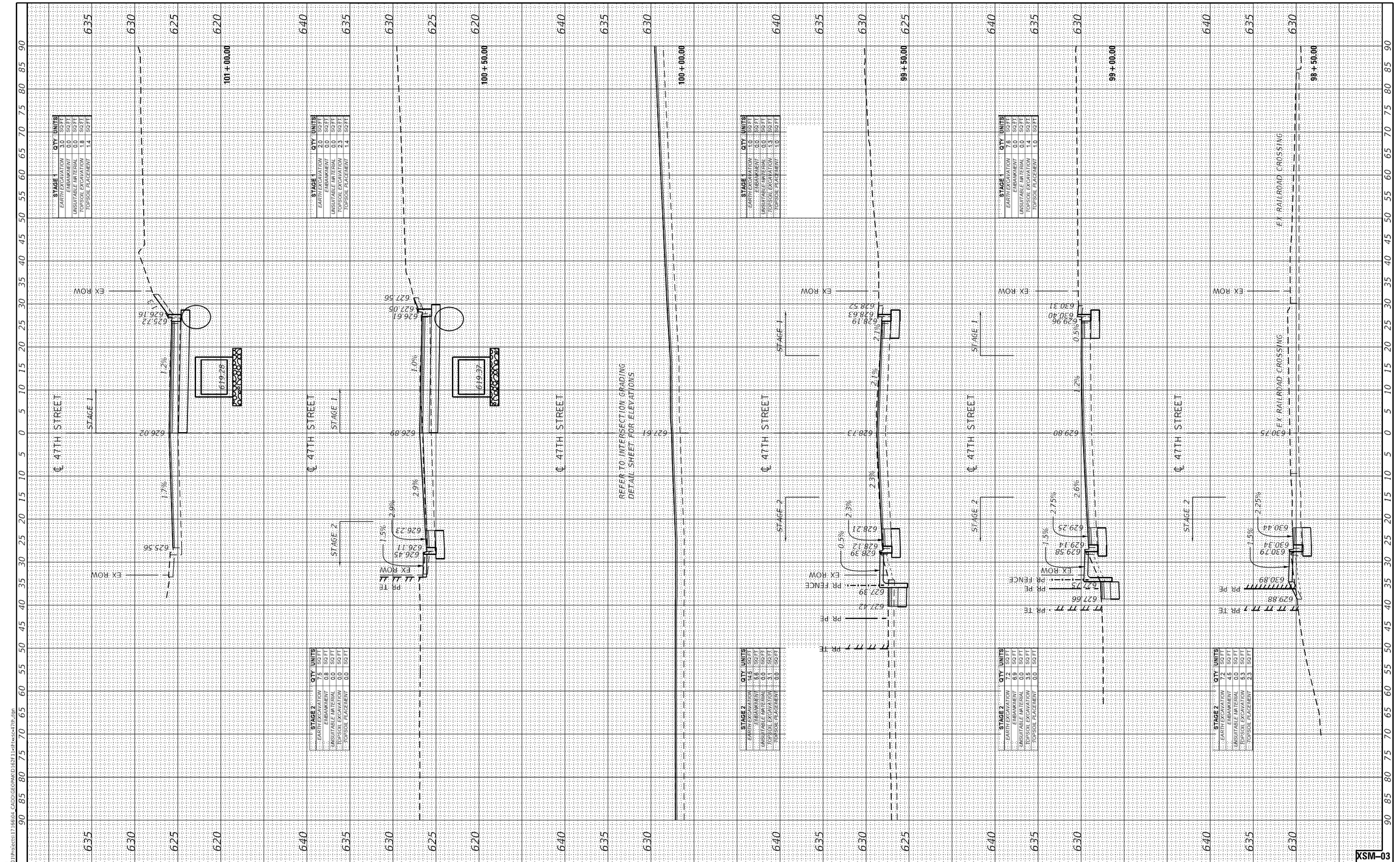
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 95+50.00 | TO STA. 98+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	314
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



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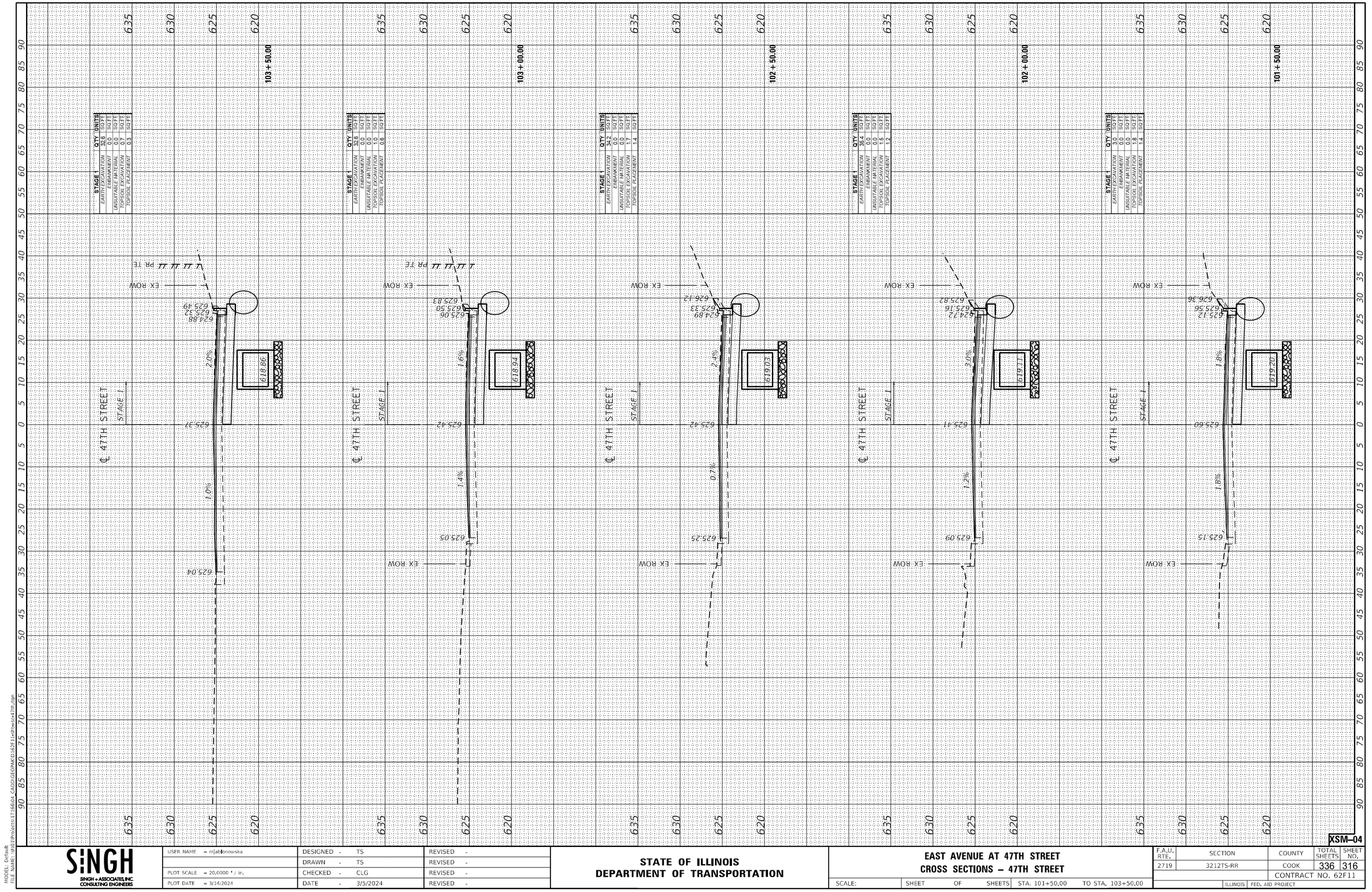
		DRAWN - TS	REVISED -	EAST AVENUE AT 47TH STREET CROSS SECTIONS – 47TH STREET
	PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	SCALE: SHEET OF SHEETS STA. 98+50.00 TO STA. 101+00.00
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	315
		CONTRACT NO. 62F11		
		ILLINOIS	FED. AID PROJECT	



STAGE 1	QTY	UNITS
EARTH EXCAVATION	32.8	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.7	SQ FT
TOPSOIL PLACEMENT	0.3	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	32.6	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.0	SQ FT
TOPSOIL PLACEMENT	0.6	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	34.2	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.7	SQ FT
TOPSOIL PLACEMENT	1.4	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	35.4	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.5	SQ FT
TOPSOIL PLACEMENT	1.2	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	30	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.8	SQ FT
TOPSOIL PLACEMENT	1.4	SQ FT

XSM–04

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 101+50.00 TO STA. 103+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	316
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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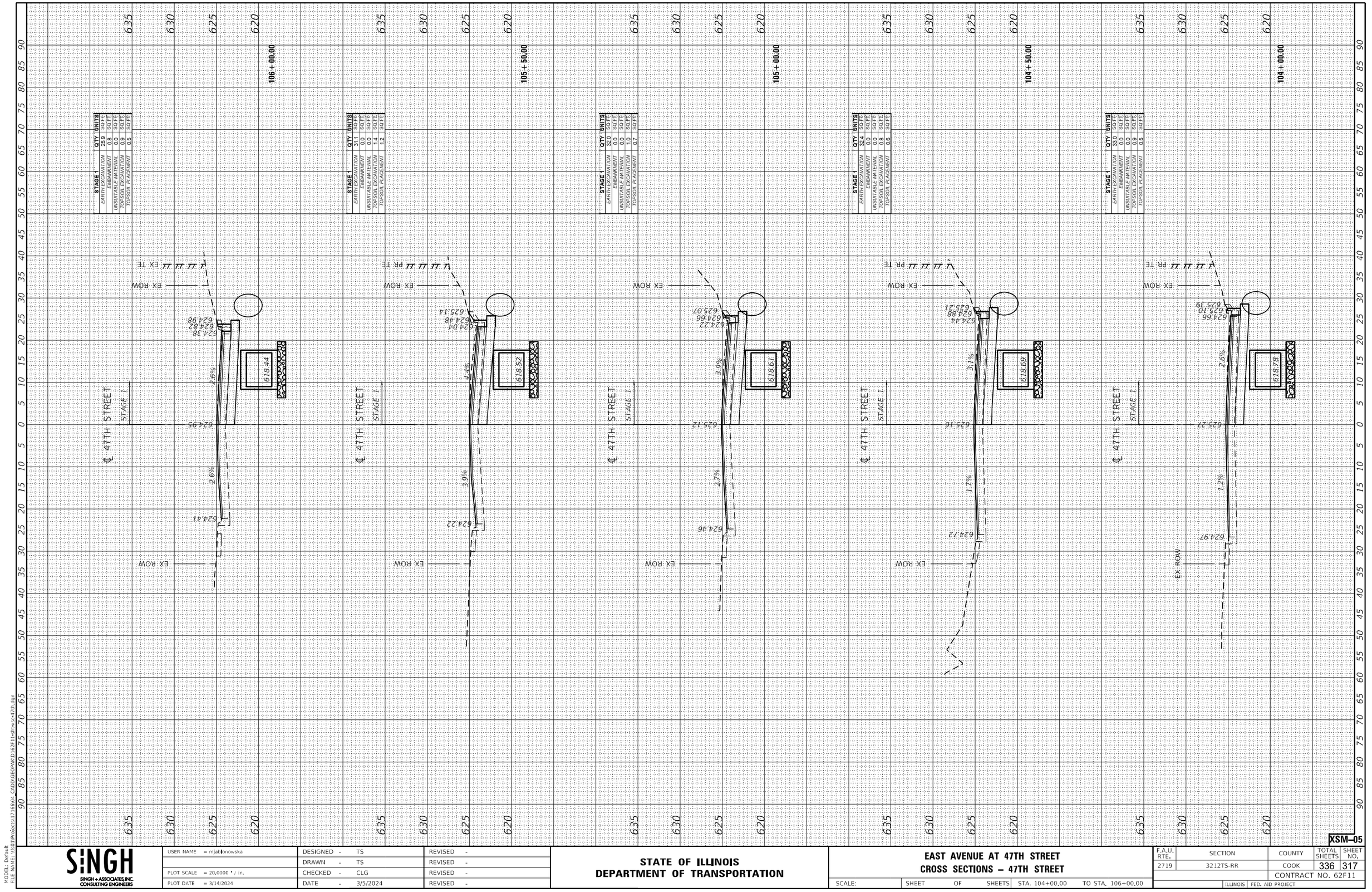

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

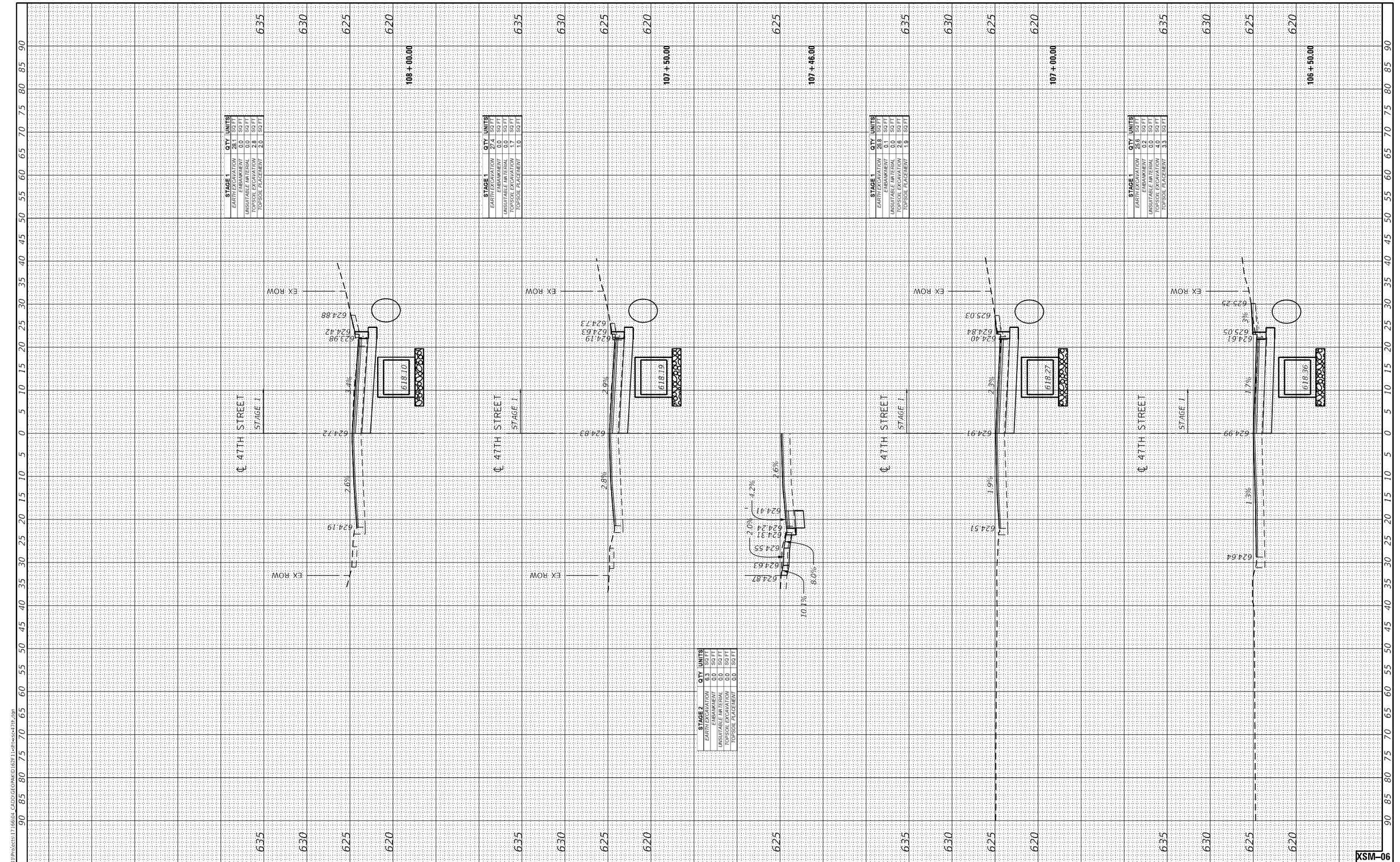
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 104+00.00 TO STA. 106+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	317
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

XSM–05



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

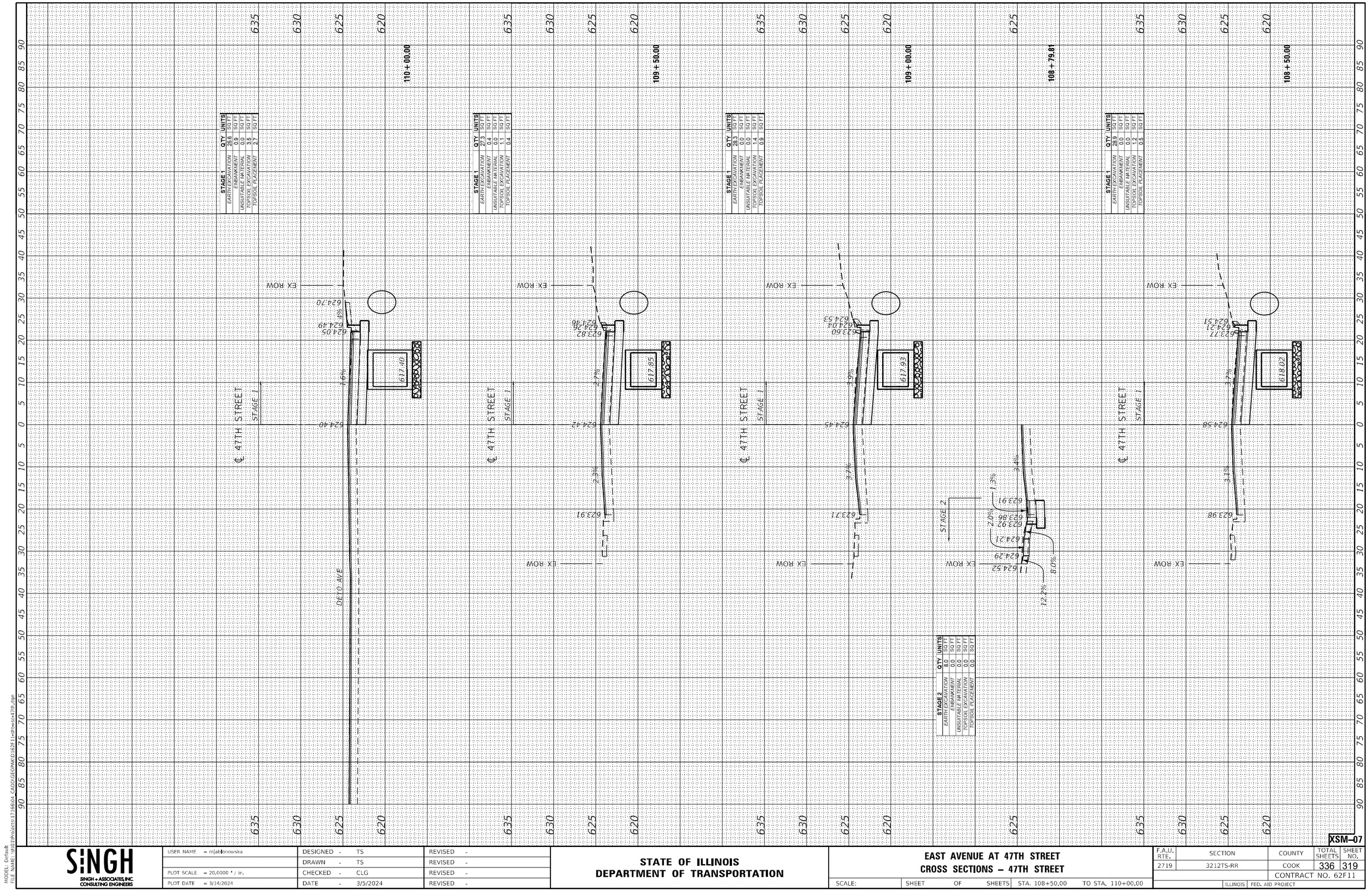
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 106+50.00 TO STA. 108+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	318
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

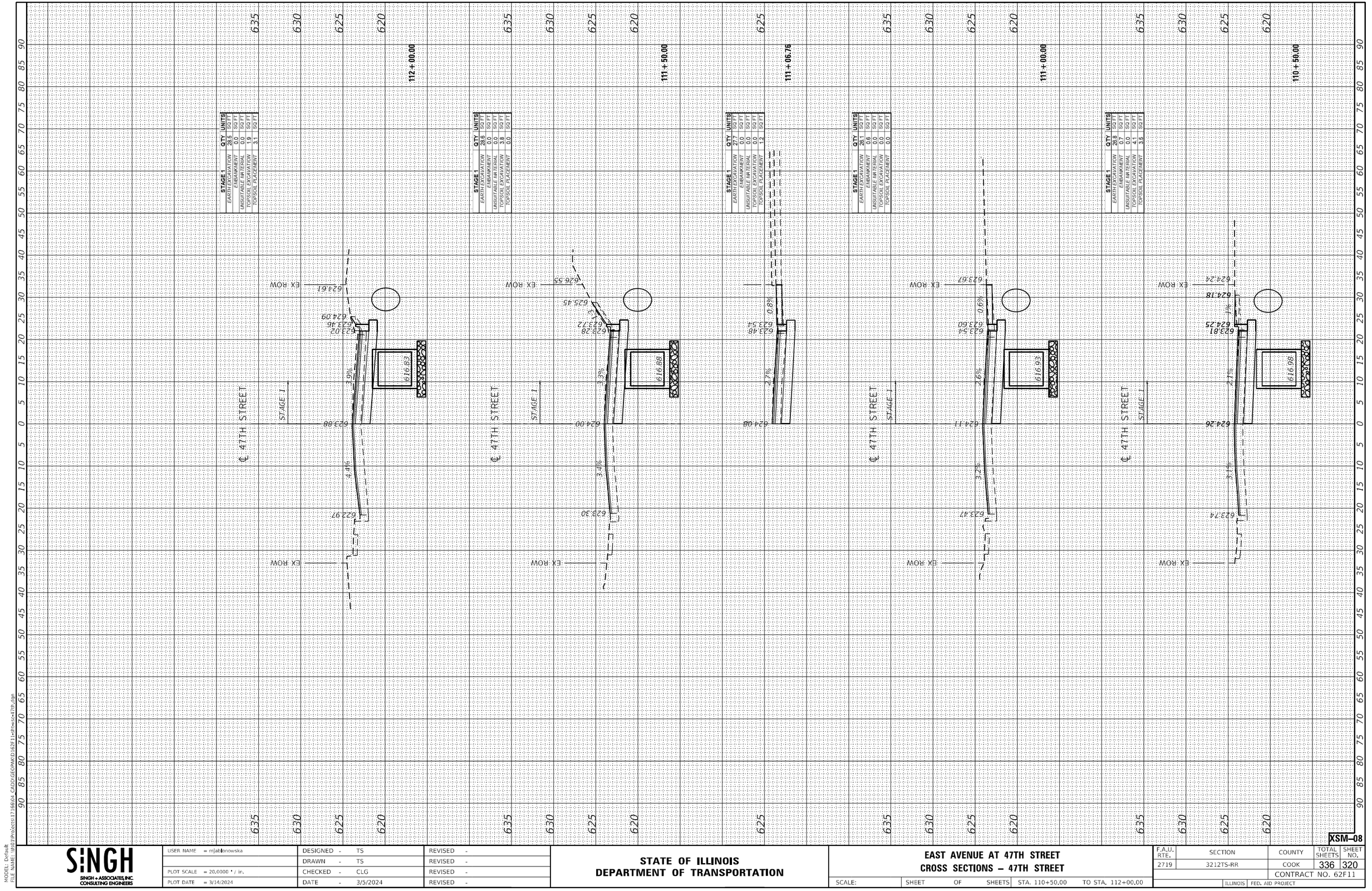
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 108+50.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	319
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

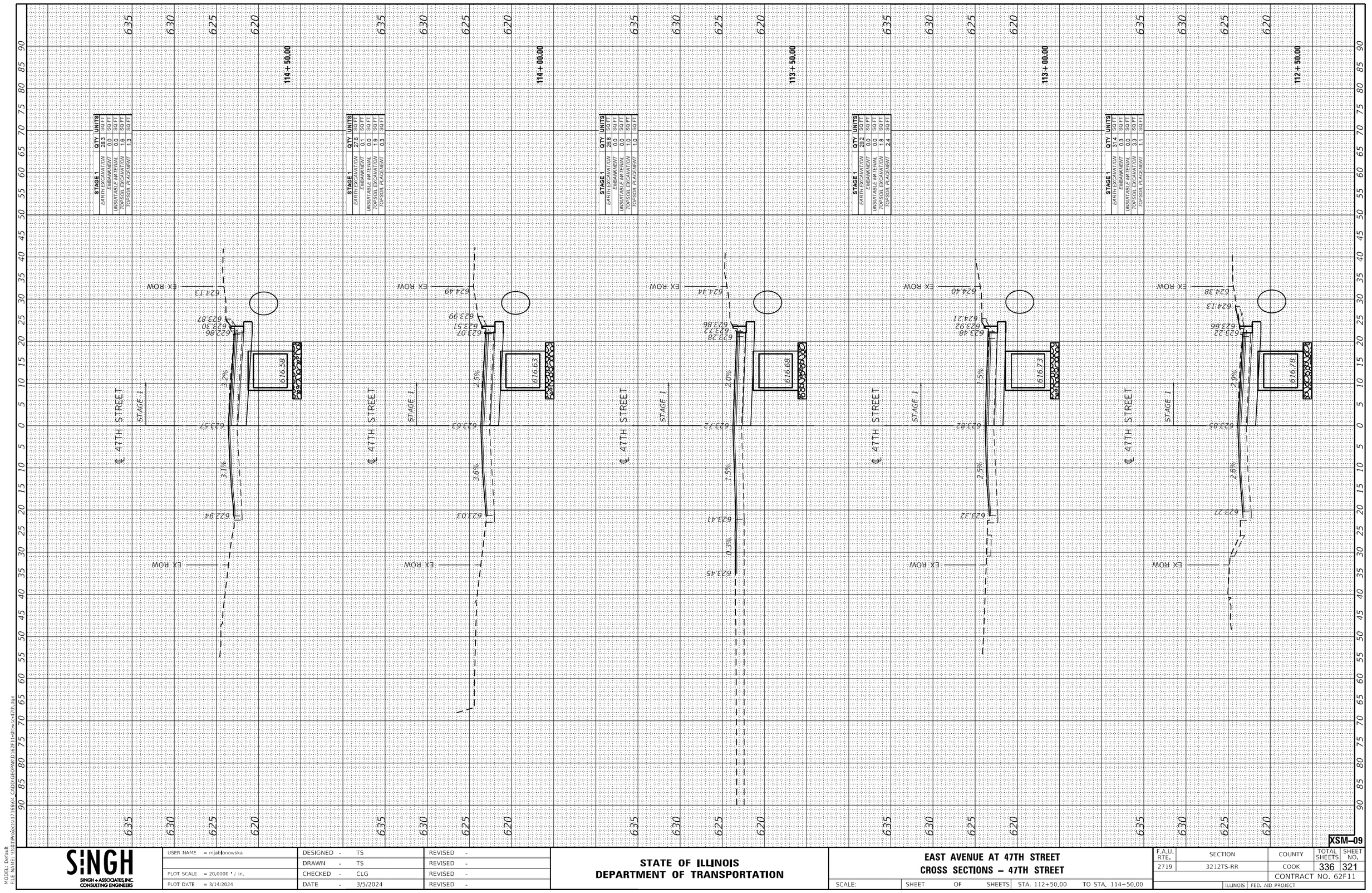
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 110+50.00 | TO STA. 112+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	320
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

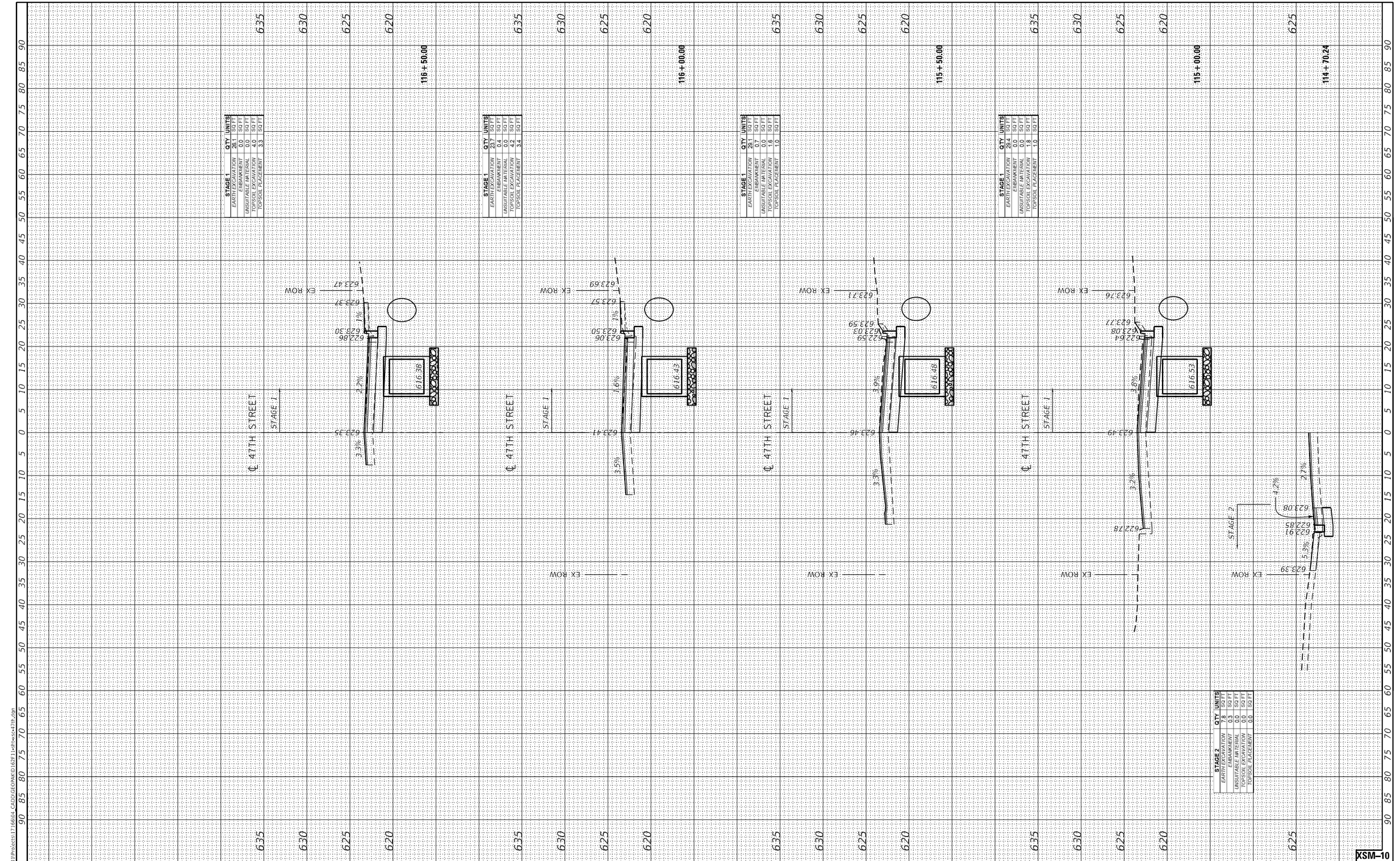
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 112+50.00 TO STA. 114+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	321
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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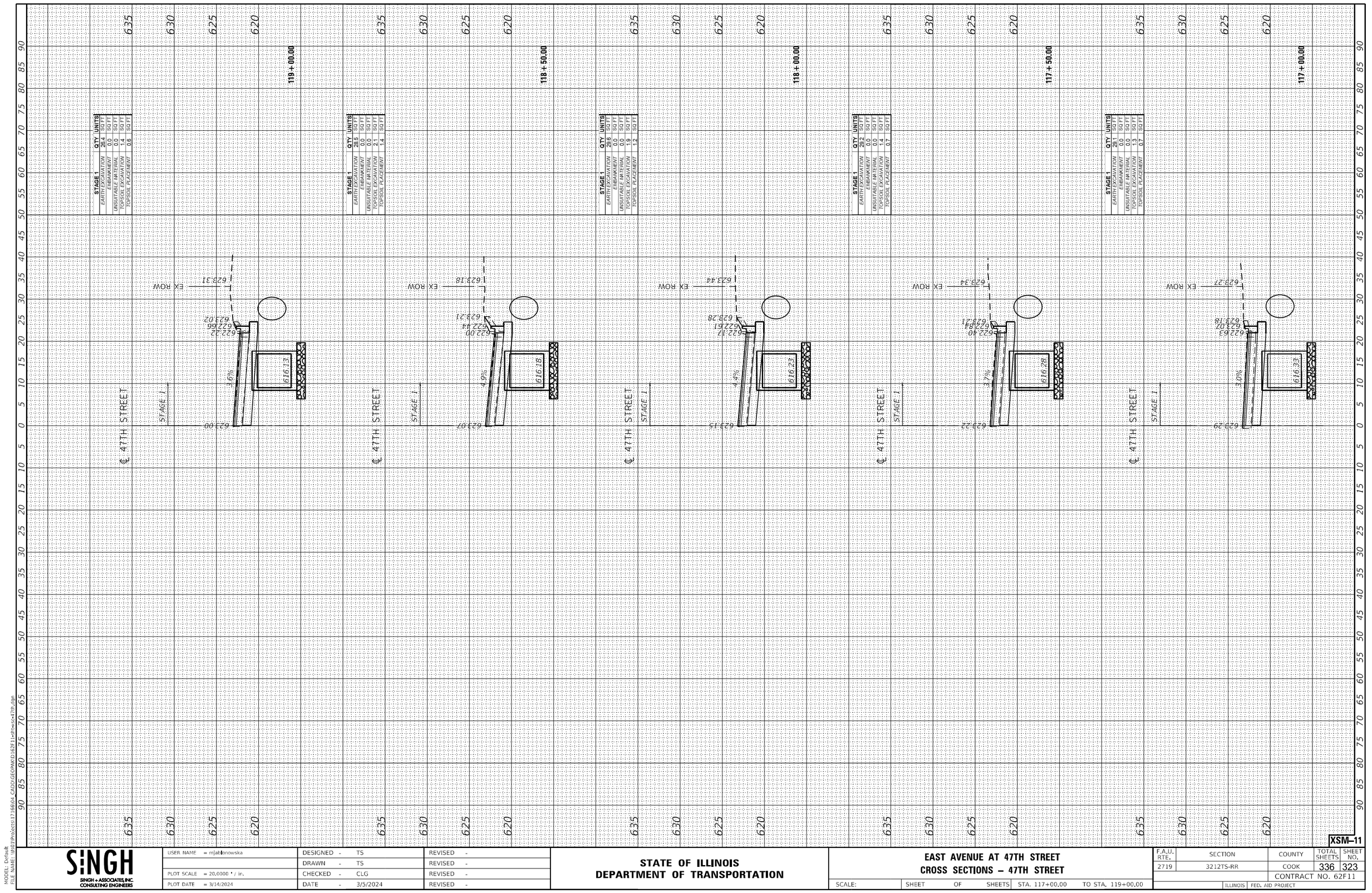
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 114+70.24 | TO STA. 116+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	322
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		



STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.4	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.4	SQ FT
TOPSOIL PLACEMENT	0.6	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.5	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	2.1	SQ FT
TOPSOIL PLACEMENT	1.4	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.6	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.9	SQ FT
TOPSOIL PLACEMENT	1.2	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.2	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.4	SQ FT
TOPSOIL PLACEMENT	0.7	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.1	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.3	SQ FT
TOPSOIL PLACEMENT	0.7	SQ FT

XSM–11

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
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PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 117+00.00 TO STA. 119+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	323
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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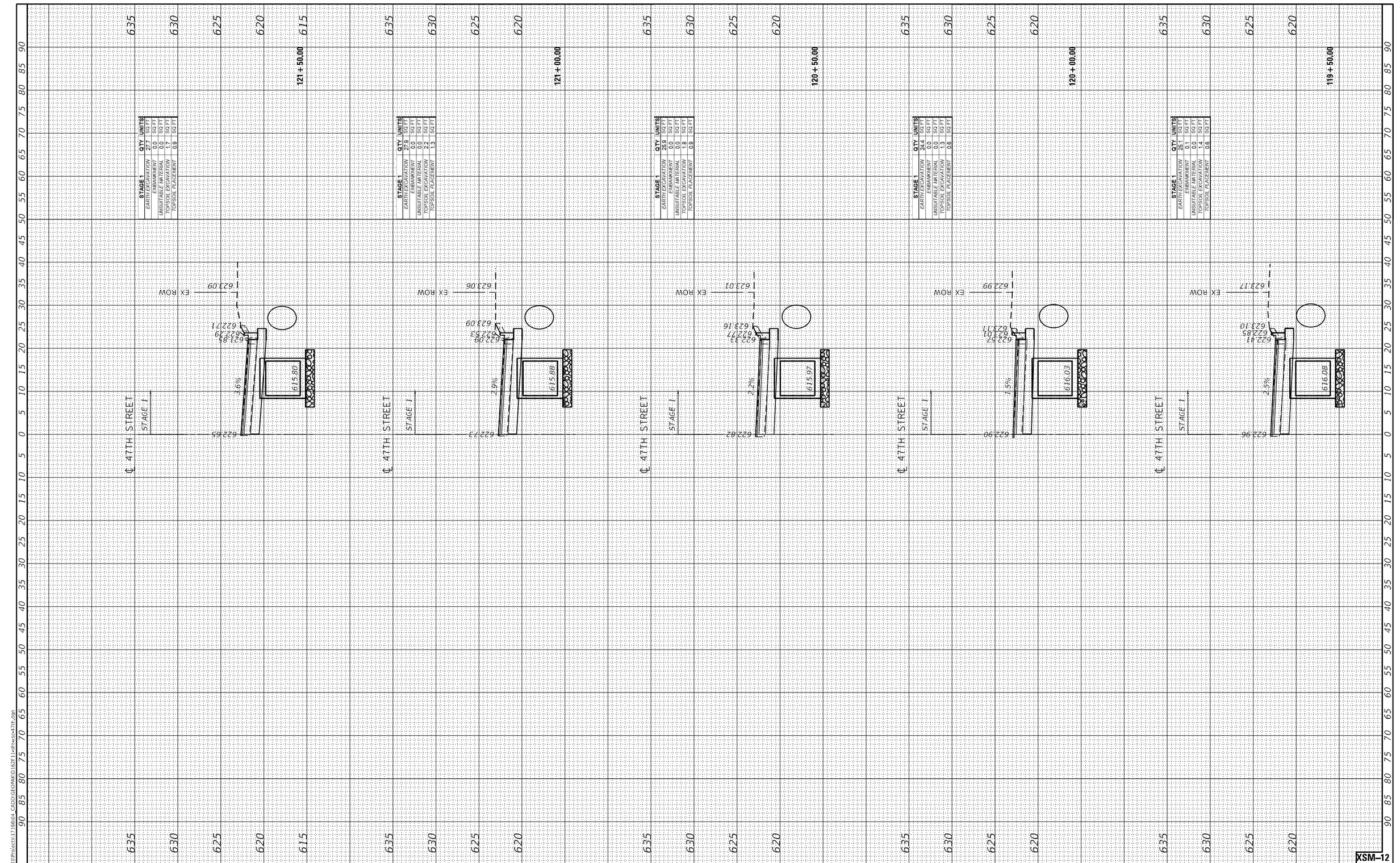

STAGE 1	QTY	UNITS
EARTH EXCAVATION	27.7	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.7	SQ FT
TOPSOIL PLACEMENT	0.9	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	27.9	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	2.2	SQ FT
TOPSOIL PLACEMENT	1.3	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	25.9	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.8	SQ FT
TOPSOIL PLACEMENT	0.9	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	24.4	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.3	SQ FT
TOPSOIL PLACEMENT	0.6	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	25.1	SQ FT
EMBANKMENT	0.1	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.4	SQ FT
TOPSOIL PLACEMENT	0.6	SQ FT

XSM–12

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

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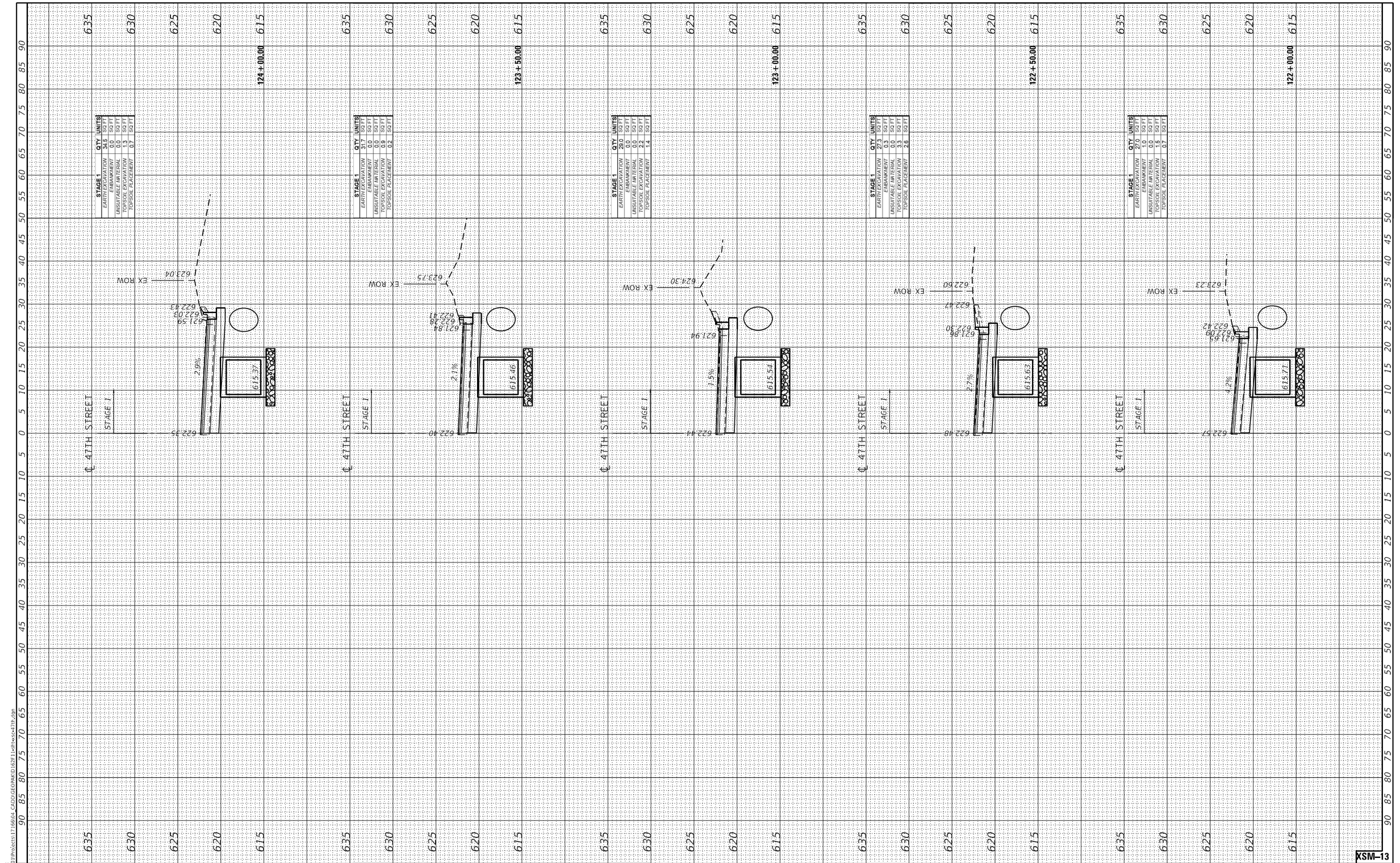
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 119+50.00 TO STA. 121+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	324
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



STAGE 1	QTY	UNITS
EARTH EXCAVATION	34.5	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.3	SQ FT
TOPSOIL PLACEMENT	0.7	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	31.7	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.9	SQ FT
TOPSOIL PLACEMENT	0.2	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	28.0	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	2.2	SQ FT
TOPSOIL PLACEMENT	1.4	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	27.3	SQ FT
EMBANKMENT	0.3	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	3.3	SQ FT
TOPSOIL PLACEMENT	2.6	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	27.0	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	1.5	SQ FT
TOPSOIL PLACEMENT	0.7	SQ FT

XSM-13

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 122+00.00 TO STA. 124+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	325
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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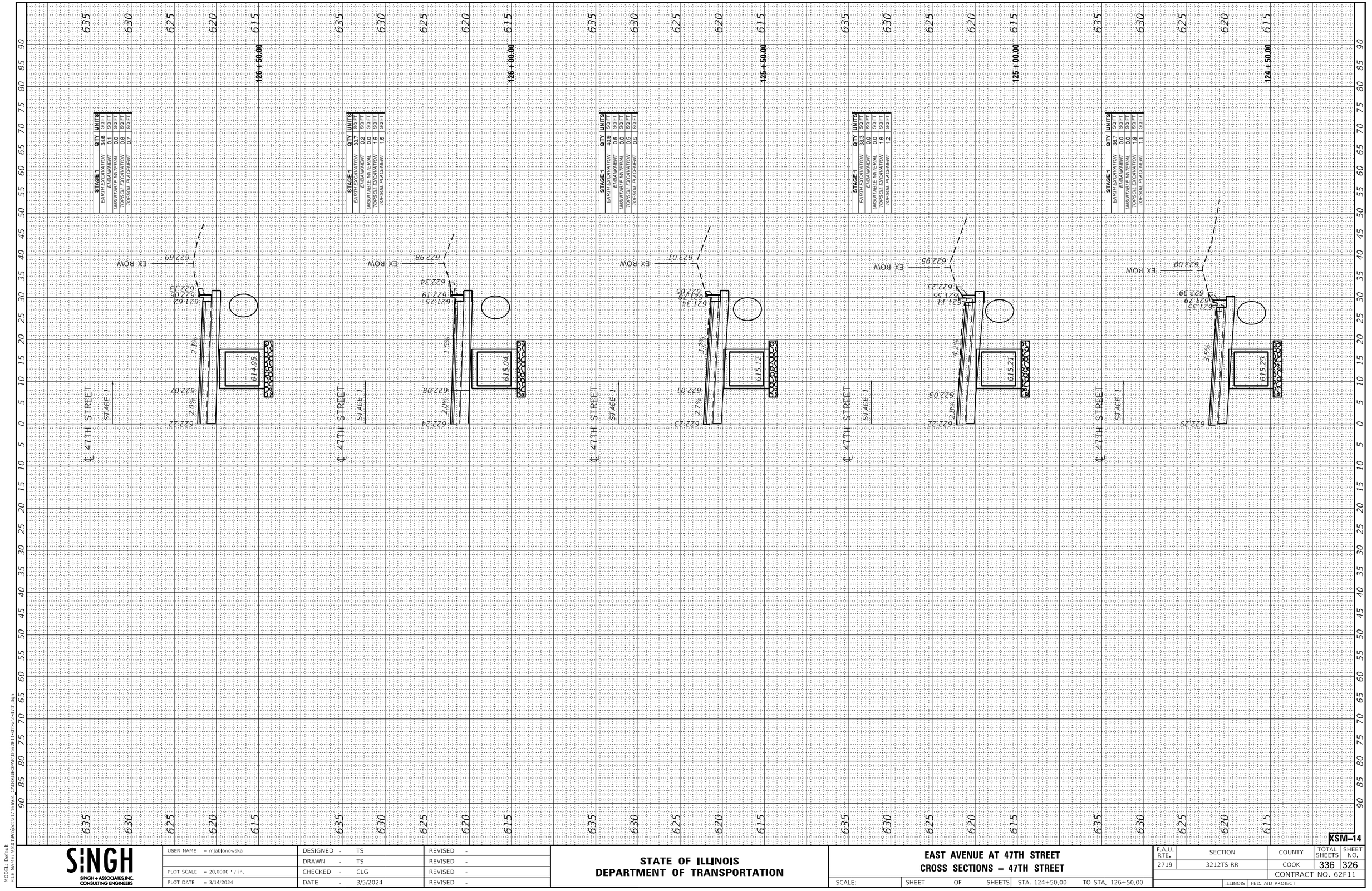

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

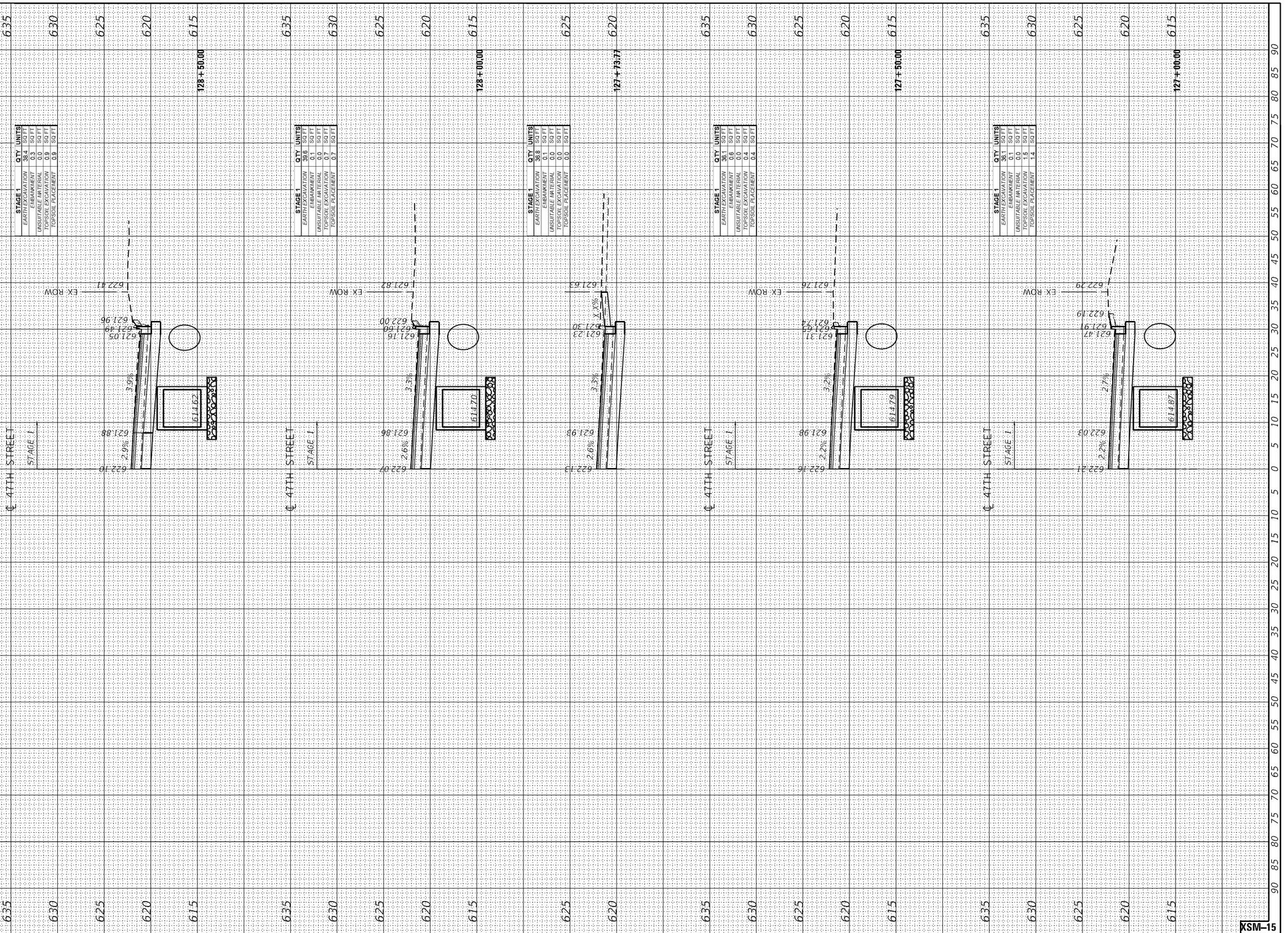
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 124+50.00 TO STA. 126+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	326
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

XSM-14



XSM–15

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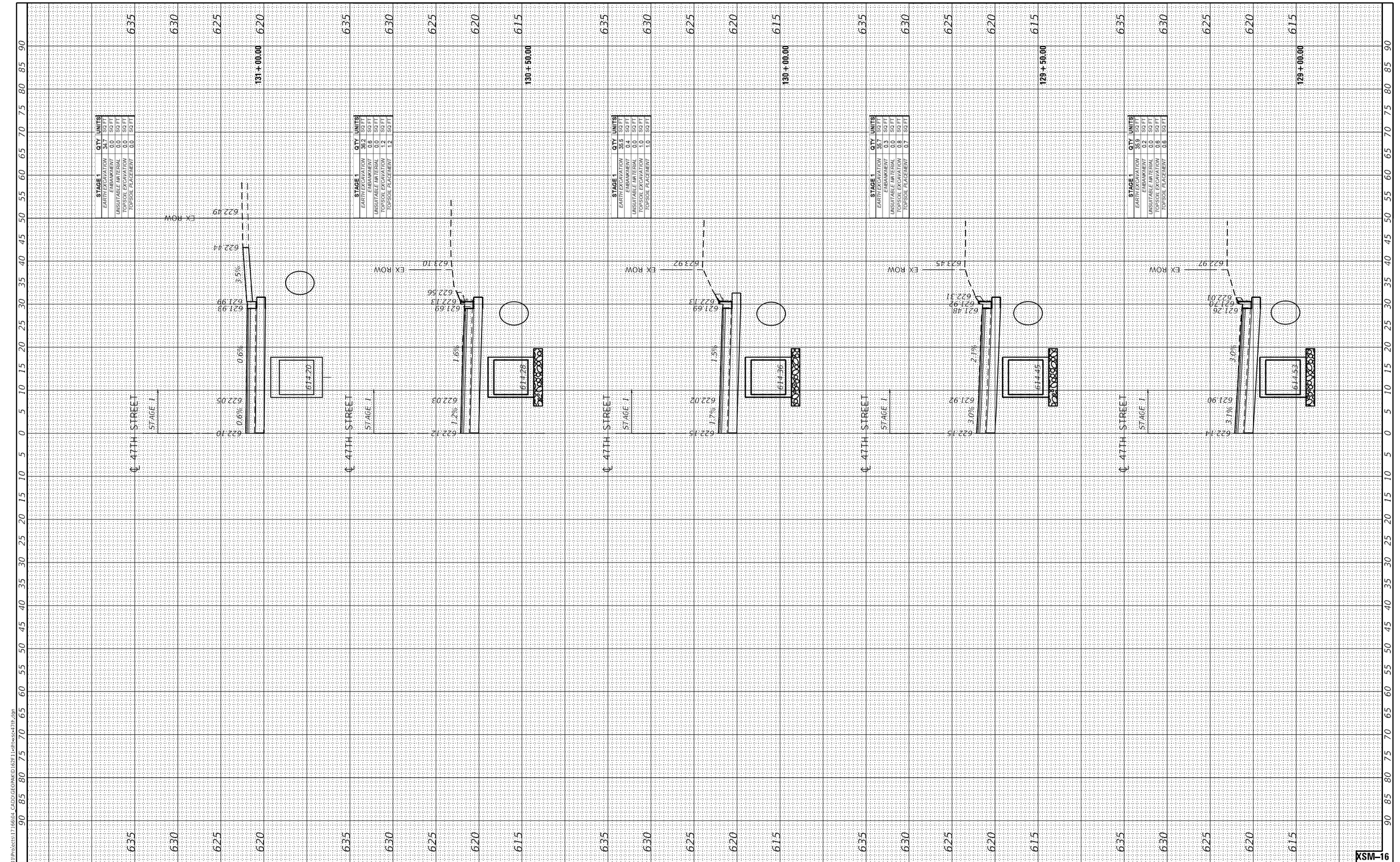
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 127+00.00 TO STA. 128+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	327
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



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SINGH + ASSOCIATES, INC.
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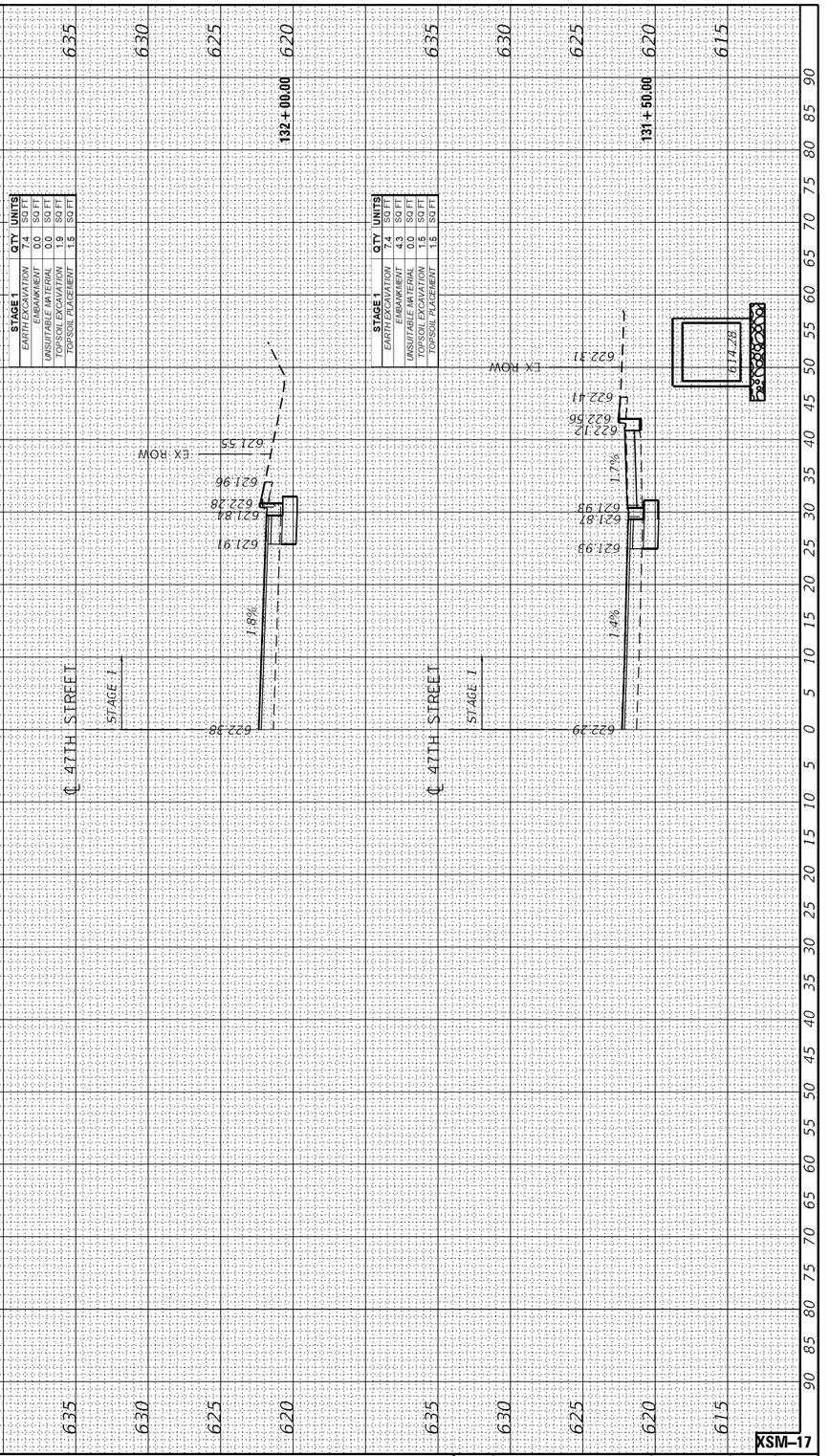
USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 129+00.00 TO STA. 131+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	328
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



XSM-17

MODEL: Default
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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mjablonowska	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - TS	REVISED -	
	PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
	PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – 47TH STREET

SCALE: | SHEET OF SHEETS | STA. 131+50.00 | TO STA. 132+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	329
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

STAGE 1	QTY	UNITS
EARTH EXCAVATION	0.0	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	6.5	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	8.4	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

614+00.00 613+50.00 613+00.00 612+50.00 612+00.00 611+50.00 611+00.00 610+50.00 610+00.00 609+50.00

EX ROW EX ESMT STAGE 1 2.1% 3.5% 2.2% 3.2% 2.7% 2.6% 3.6% 2.8% 2.5% 2.2% 2.6% 2.7% 2.9% 4.0% 3.6% 3.3% 2.9% 3.2% 2.9%

XSS–01

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04 CAD\GEOPAK\D162F11-sht-xs-East.dgn

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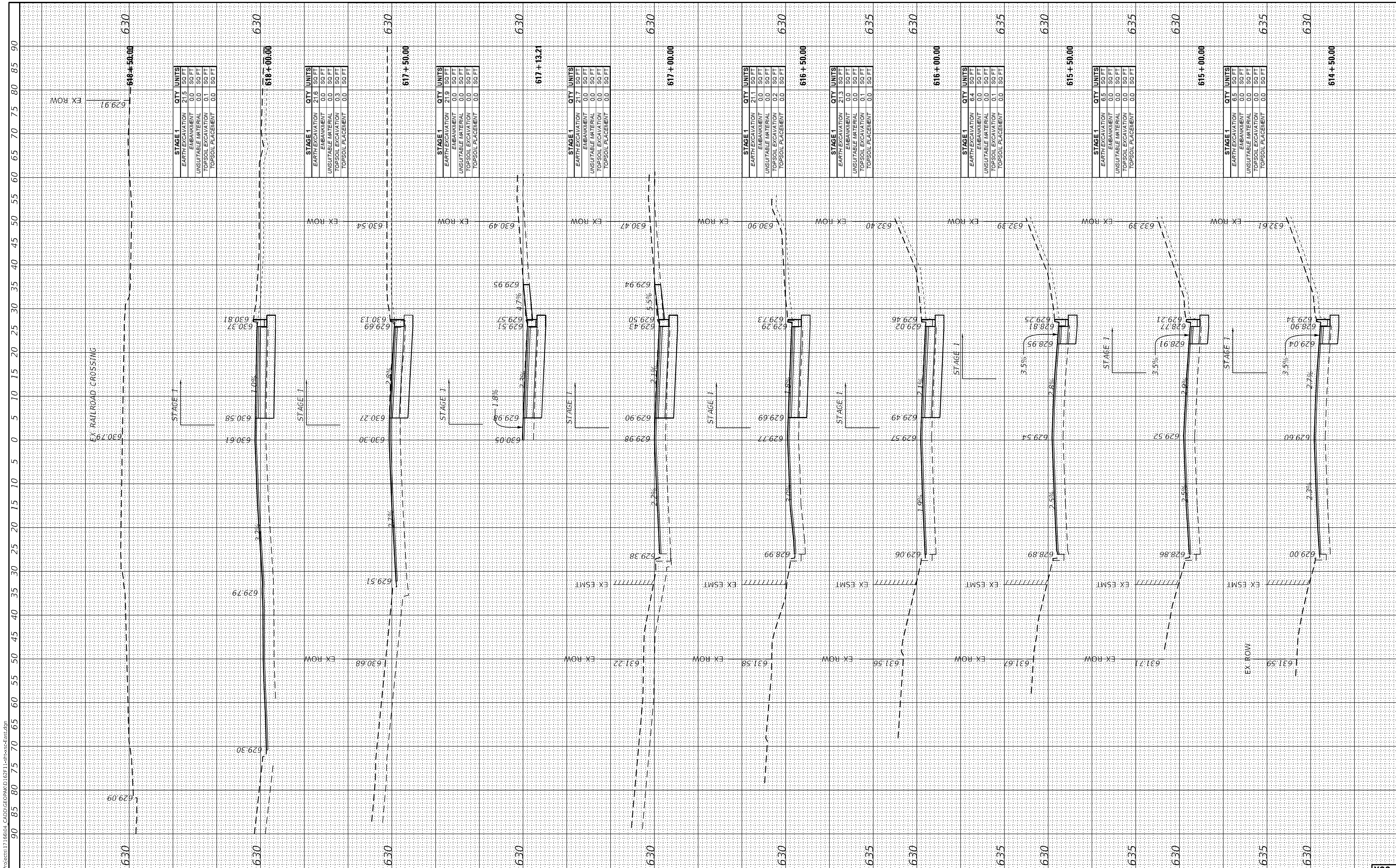
USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	330
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



STAGE 1	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	UNITS
EARTH EXCAVATION	21.5	21.6	21.9	21.7	21.1	21.3	6.4	6.5	6.5	SQ FT
EMBANKMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SQ FT
TOPSOIL EXCAVATION	0.1	0.3	0.0	0.0	0.2	0.1	0.1	0.0	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SQ FT

XSS–02

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04_CADD\GEOPAK\D162F11-sht-xsc-East.dgn

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	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

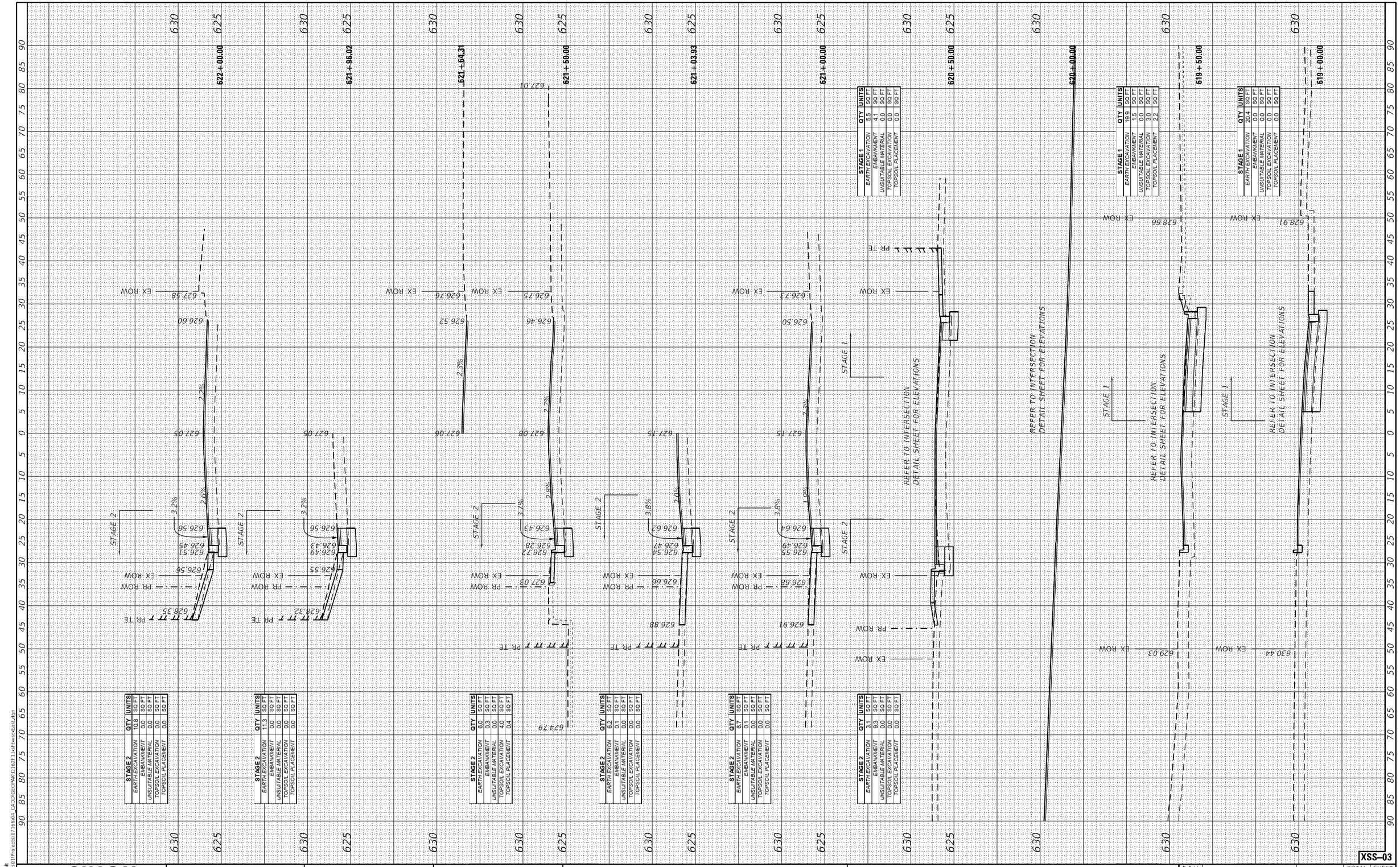
EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	331

CONTRACT NO. 62F11

ILLINOIS | FED. AID PROJECT



STAGE 1	QTY	UNITS
EARTH EXCAVATION	5.5	SQ FT
EMBANKMENT	4.1	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	19.9	SQ FT
EMBANKMENT	1.5	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	3.0	SQ FT
TOPSOIL PLACEMENT	2.2	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	20.4	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	10.8	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	11.3	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.0	SQ FT
EMBANKMENT	0.3	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	4.0	SQ FT
TOPSOIL PLACEMENT	0.4	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.2	SQ FT
EMBANKMENT	0.1	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.7	SQ FT
EMBANKMENT	0.1	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	9.1	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

XSS–03

MODEL: Default
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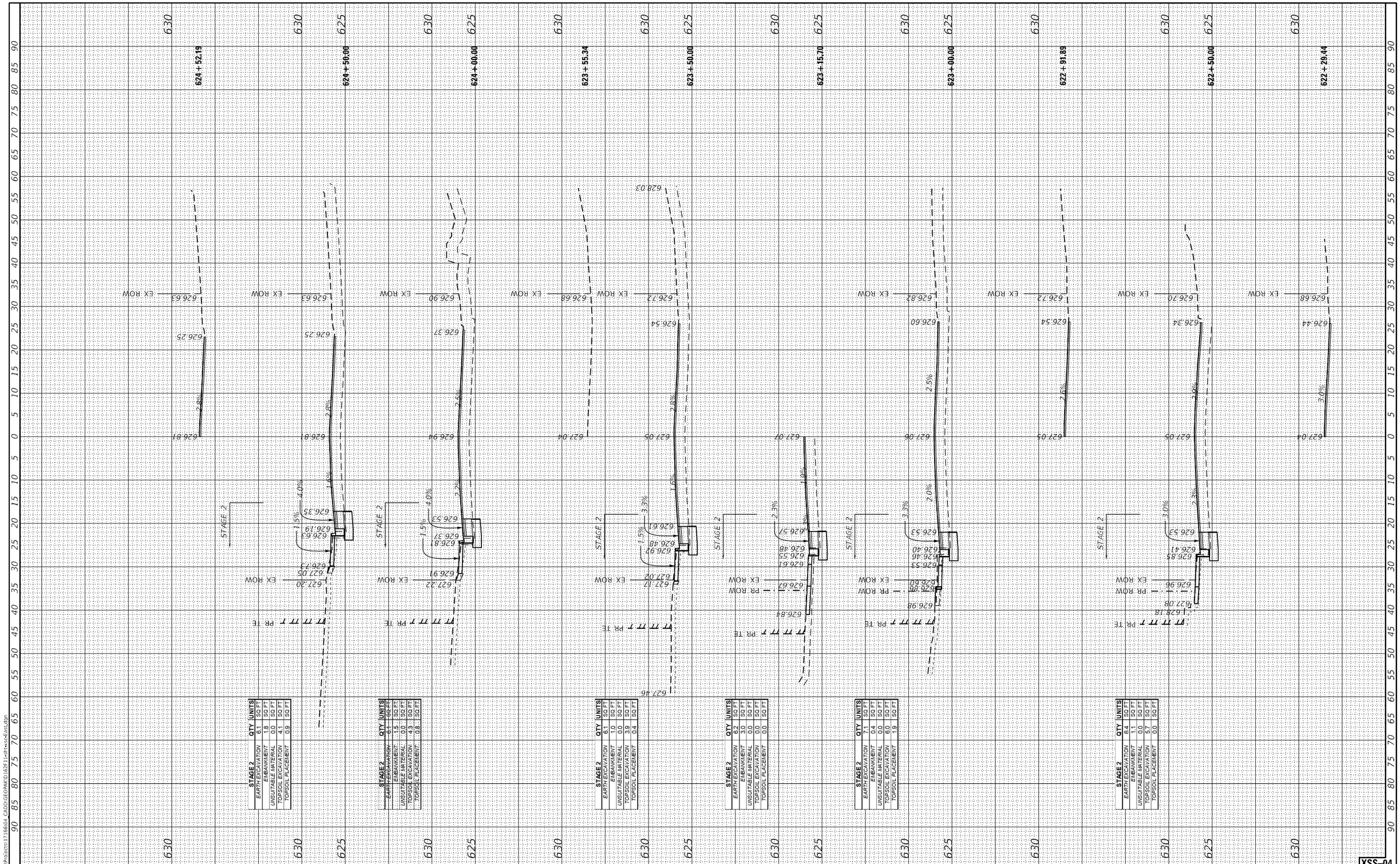
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	332
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			



STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.1	SQ FT
EMBANKMENT	1.8	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	4.1	SQ FT
TOPSOIL PLACEMENT	0.9	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.1	SQ FT
EMBANKMENT	1.5	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	4.3	SQ FT
TOPSOIL PLACEMENT	0.8	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.1	SQ FT
EMBANKMENT	1.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	3.9	SQ FT
TOPSOIL PLACEMENT	0.4	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.2	SQ FT
EMBANKMENT	3.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	0.4	SQ FT
EMBANKMENT	0.4	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	6.0	SQ FT
TOPSOIL PLACEMENT	1.9	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.4	SQ FT
EMBANKMENT	1.1	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	5.7	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

XSS-04

MODEL: Default
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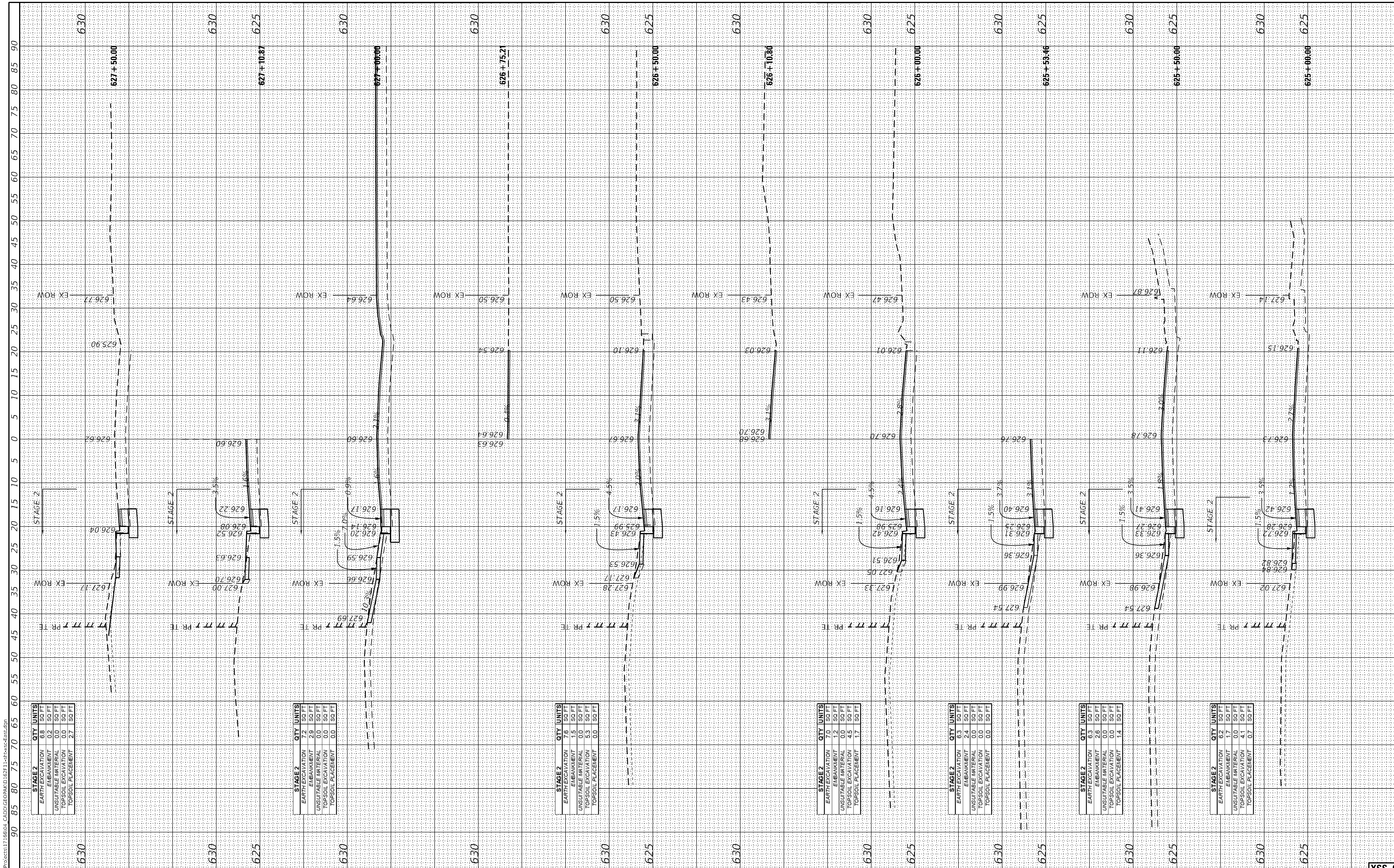
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

SCALE: | SHEET OF SHEETS | STA. 622+29.44 TO STA. 624+52.19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	333
		CONTRACT NO. 62F11		
		ILLINOIS FED. AID PROJECT		



STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.8	SQ FT
EMBANKMENT	0.2	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	2.7	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	7.2	SQ FT
EMBANKMENT	2.9	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	7.6	SQ FT
EMBANKMENT	1.5	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	5.3	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	7.0	SQ FT
EMBANKMENT	1.2	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	4.5	SQ FT
TOPSOIL PLACEMENT	1.7	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.3	SQ FT
EMBANKMENT	2.4	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.3	SQ FT
EMBANKMENT	2.6	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	1.4	SQ FT

STAGE 2	QTY	UNITS
EARTH EXCAVATION	6.2	SQ FT
EMBANKMENT	1.7	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	4.1	SQ FT
TOPSOIL PLACEMENT	0.7	SQ FT

XSS–05

MODEL: Default
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CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -	
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -	

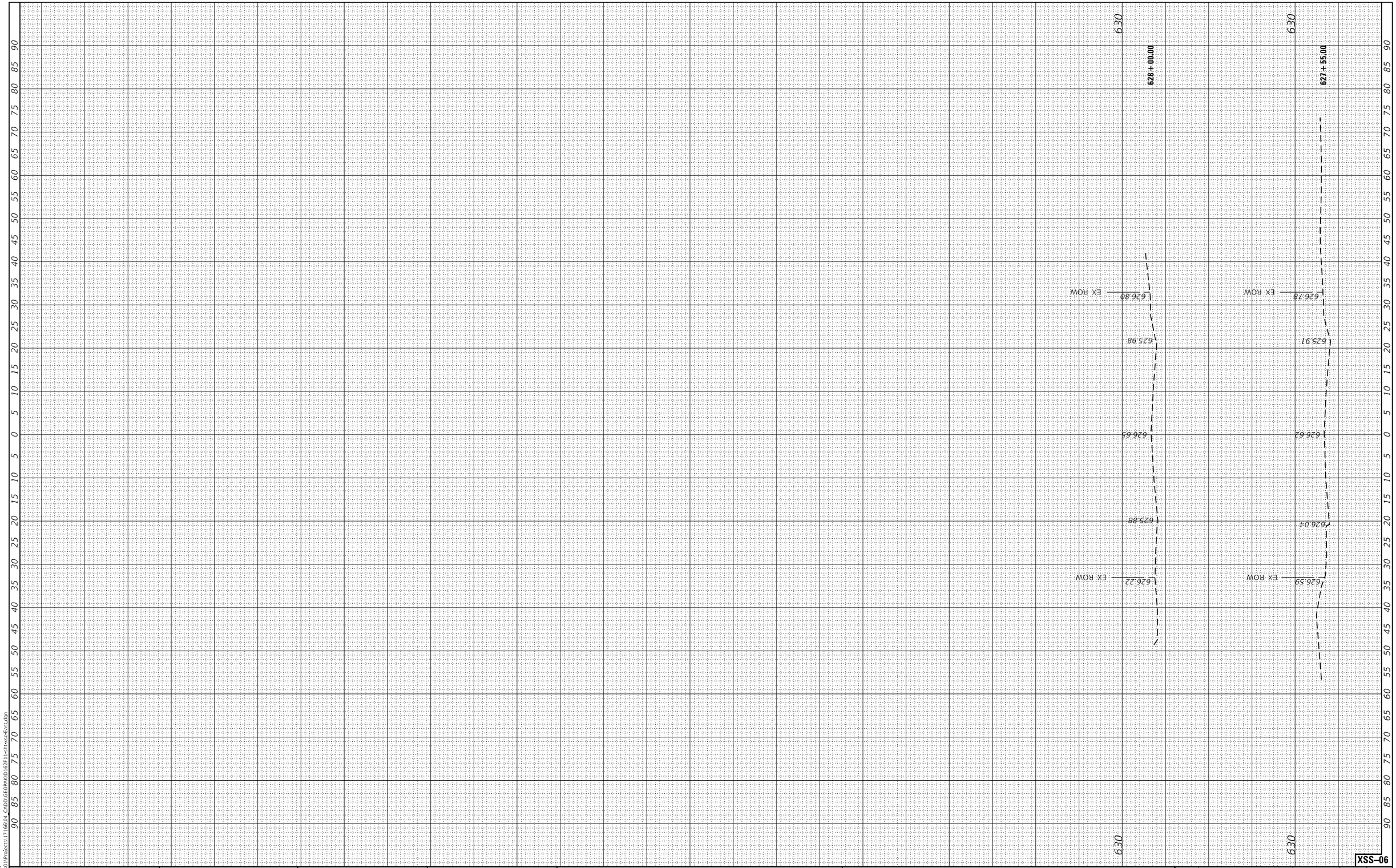
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	334
		CONTRACT NO. 62F11		

ILLINOIS | FED. AID PROJECT



XSS–06

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	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

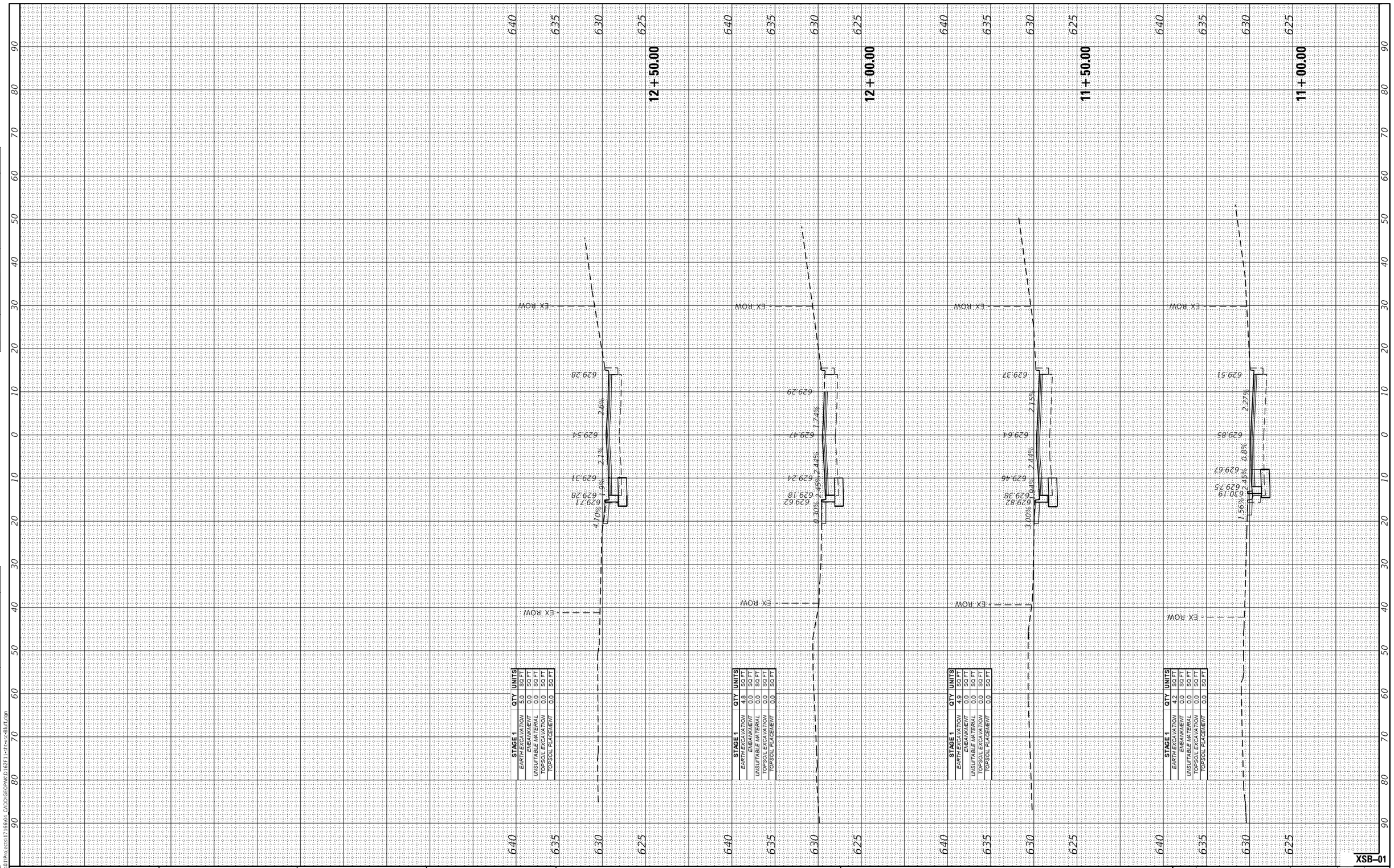
EAST AVENUE AT 47TH STREET
CROSS SECTIONS – EAST AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	3212TS-RR	COOK	336	335
		CONTRACT NO. 62F11		
	ILLINOIS FED. AID PROJECT			

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

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



STAGE 1	QTY	UNITS
EARTH EXCAVATION	5.0	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	4.8	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	4.9	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

STAGE 1	QTY	UNITS
EARTH EXCAVATION	4.2	SQ FT
EMBANKMENT	0.0	SQ FT
UNSUITABLE MATERIAL	0.0	SQ FT
TOPSOIL EXCAVATION	0.0	SQ FT
TOPSOIL PLACEMENT	0.0	SQ FT

XSB–01

MODEL: Default
FILE NAME: \\fs01\Projects\17166\04 CADD\GEOPAK\D162F11-sht-xss-Bluff.dgn

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CONSULTING ENGINEERS

USER NAME = mjablonowska	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - CLG	REVISED -
PLOT DATE = 3/14/2024	DATE - 3/5/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST AVENUE AT 47TH STREET
CROSS SECTIONS – BLUFF AVENUE

SCALE: | SHEET OF SHEETS | STA. 11+00.00 | TO STA. 12+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			336	336
		CONTRACT NO. 62F11		
	ILLINOIS	FED. AID PROJECT		