

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

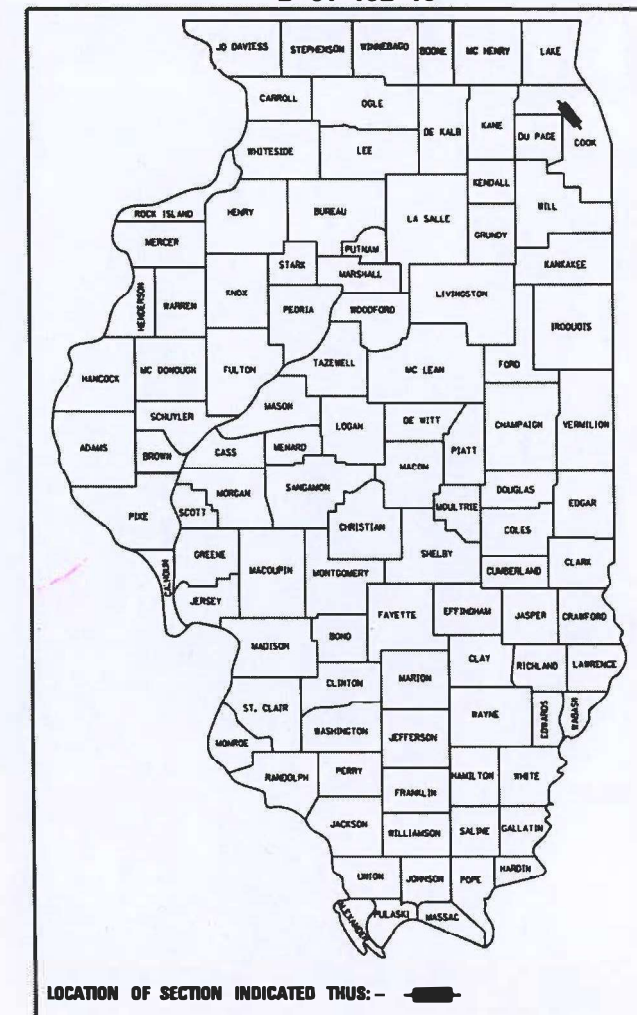
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	1
		ILLINOIS	CONTRACT NO. 60J10	

FOR INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS, AND LIST OF DISTRICT 1 STANDARD DETAILS, SEE SHEET NO. 3

THIS PROJECT IS LOCATED IN THE CITY OF DES PLAINES  
MAINE TOWNSHIP - SECTION 16

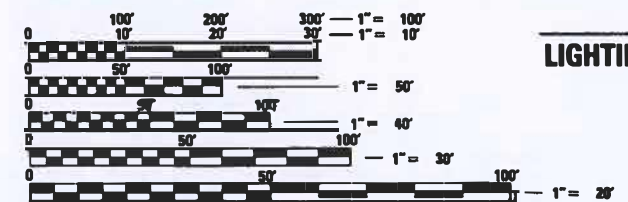
FAU ROUTE 3523 (RAND ROAD)  
SECTION 120-Y-B  
PROJECT HBFP-STP-IIWB(903)  
RAND ROAD OVER DES PLAINES RIVER  
BRIDGE AND ROADWAY RECONSTRUCTION  
ELK BLVD. TO BALLARD RD.  
COOK COUNTY  
C-91-182-10

D-91-182-10



**DESIGN DESIGNATION**  
MINOR ARTERIAL  
DESIGN SPEED = 40 MPH  
POSTED SPEED = 40 MPH

**TRAFFIC DATA**  
2023 EXISTING ADT = 25,500  
2050 PROPOSED ADT = 28,000

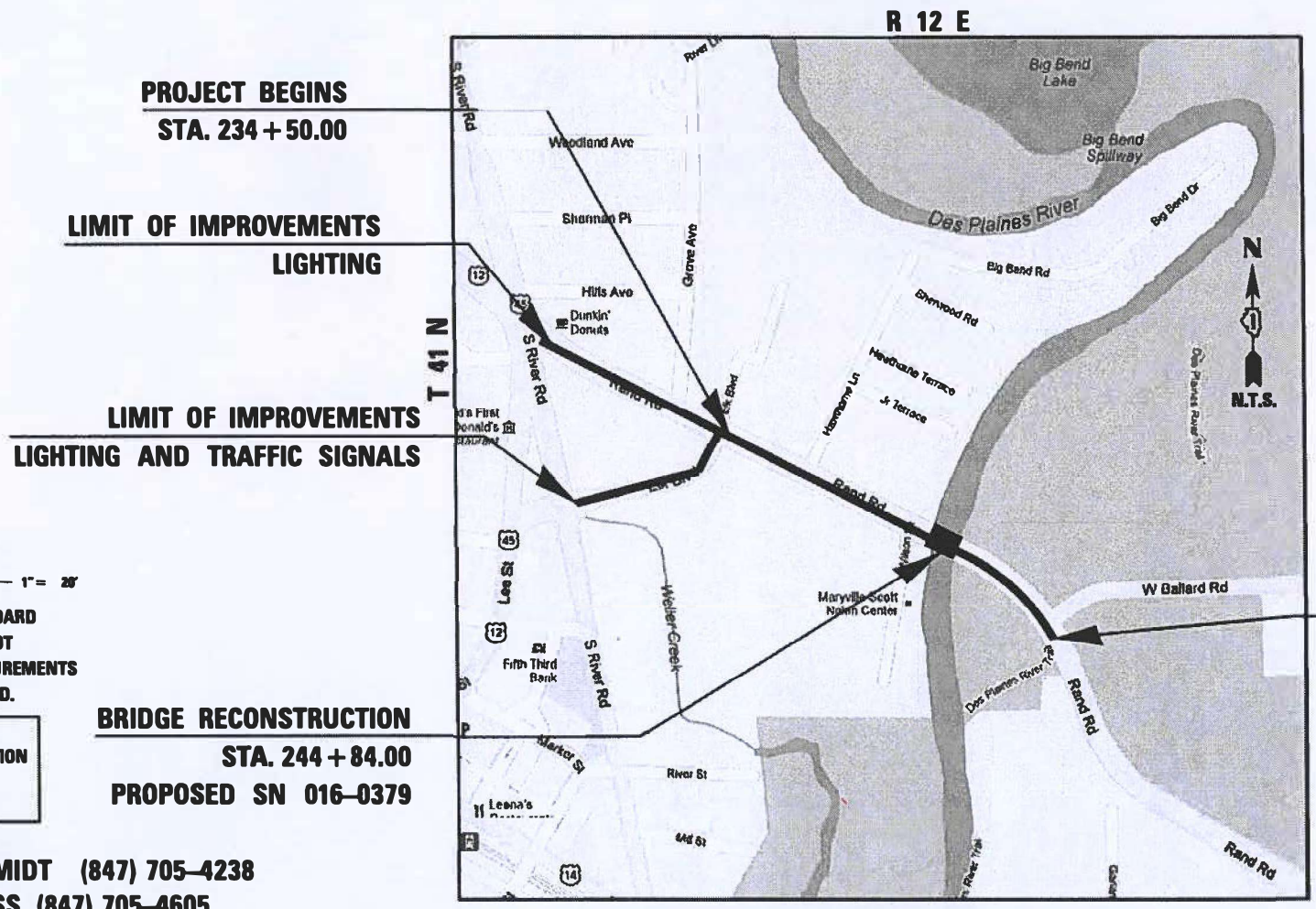


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 60J10



GROSS LENGTH = 1843.5 FT. = 0.349 MILE  
NET LENGTH = 1843.5 FT. = 0.349 MILE

**RS&M** 2580 FOXFIELD RD., SUITE 301  
ST. CHARLES, IL 60174

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 25 2024  
Joseph D. Cross REGIONAL ENGINEER

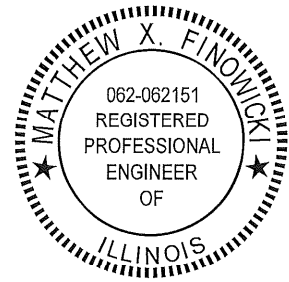
May 10, 2024 [Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

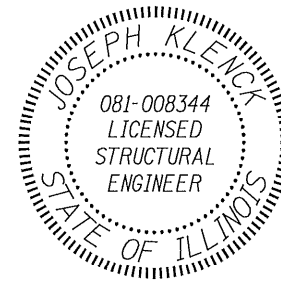
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OF THE STATE OF ILLINOIS

DRAWINGS

- 1 COVER SHEET
- 2 PROFESSIONAL SEALS
- 3 INDEX OF SHEETS AND LIST OF STANDARDS
- 4 GENERAL NOTES
- 5-19 SUMMARY OF QUANTITIES
- 20-21 TYPICAL SECTIONS
- 22 SCHEDULE OF QUANTITIES
- 23 ALIGNMENT, TIES AND BENCHMARKS
- 24-26 REMOVAL PLAN
- 27-31 PLAN AND PROFILE SHEETS
- 32-44 STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 67-72 CONSTRUCTION DETAILS
- 89-92 PAVEMENT JOINTING PLAN
- 93-101 PAVEMENT MARKING PLAN
- 102-107 SIGNING PLAN
- 108-111 LANDSCAPING PLANS
- 242-266 CROSS SECTIONS

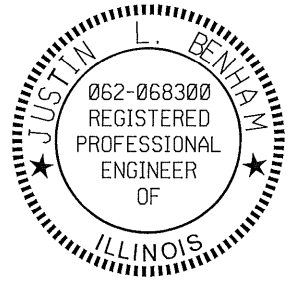


SIGNED: *Matthew X. Finowicki*  
 DATE: 1/24/2024 EXPIRES: 11/30/2025  
 MATTHEW FINOWICKI



SIGNED: *Joseph Klenck*  
 DATE: 1/24/2024 EXPIRES: 11/30/2024  
 JOSEPH KLENCK

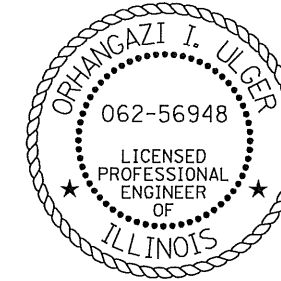
DRAWINGS  
 154-214 STRUCTURAL SHEETS



SIGNED: *Justin Benham*  
 DATE: 1/24/2024 EXPIRES: 11/30/2025  
 JUSTIN BENHAM



DRAWINGS  
 73-79 WATER MAIN PLANS



SIGNED: *Orhan I. Ulger*  
 DATE: 1/24/2024 EXPIRES: 11/30/2025  
 ORHAN ILGAZ ULGER

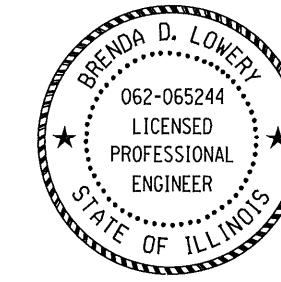
DRAWINGS  
 45-49 EROSION AND SEDIMENT CONTROL DETAILS  
 50-66 DRAINAGE AND UTILITIES SHEETS



SIGNED: *Daniel Wiktorzak*  
 DATE: 1/24/2024 EXPIRES: 11/30/2025  
 DANIEL WIKTORZAK

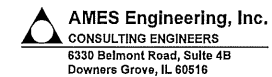


DRAWINGS  
 112-138 TRAFFIC SIGNAL SHEETS



SIGNED: *Brenda D. Lowery*  
 DATE: 3/15/2024 EXPIRES: 11/30/2025  
 BRENDA D. LOWERY

DRAWINGS  
 139-153 LIGHTING DETAILS



FILE NAME = D:\6619-11t-seals.dgn



USER NAME = Etw1leE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROFESSIONAL SEALS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	266	2
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**INDEX OF SHEETS**

1 COVER SHEET  
 2 PROFESSIONAL SEALS  
 3 INDEX OF SHEETS AND LIST OF STANDARDS  
 4 GENERAL NOTES  
 5-20 SUMMARY OF QUANTITIES  
 21-22 TYPICAL SECTIONS  
 23 SCHEDULE OF QUANTITIES  
 24 ALIGNMENT, TIES AND BENCHMARKS  
 25-27 REMOVAL PLANS  
 28-32 PLAN AND PROFILE PLANS  
 33-45 STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
 46-50 EROSION AND SEDIMENT CONTROL PLANS  
 51-67 DRAINAGE AND UTILITIES PLANS  
 68-73 CONSTRUCTION DETAILS  
 74-80 WATER MAIN PLANS  
 81-89 PLAT OF HIGHWAYS  
 90-93 PAVEMENT JOINTING PLANS  
 94-102 PAVEMENT MARKING PLANS  
 103-108 SIGNING PLANS  
 109-112 LANDSCAPING PLANS  
 113-139 TRAFFIC SIGNAL PLANS  
 140-154 LIGHTING PLANS  
 155-215 STRUCTURAL PLANS  
 216-232 BORING LOGS  
 233-242 DISTRICT DETAILS  
 243-267 CROSS SECTIONS

**HIGHWAY STANDARDS**

000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS  
 001001-02 AREAS OF REINFORCEMENT REBARS  
 001006 DECIMAL OF AN INCH AND OF A FOOT  
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS  
 420001-10 PAVEMENT JOINTS  
 420101-07 24' JOINTED PCC PAVEMENT  
 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB  
 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS  
 424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS  
 542001-06 CONCRETE END SECTIONS FOR PIPE CULVERTS  
 15" (375 mm) THRU 84" (2100 mm) DIA  
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION  
 601001-05 PIPE UNDERDRAINS  
 602001-02 CATCH BASIN TYPE A  
 602011-02 CATCH BASIN TYPE C  
 602301-04 INLET - TYPE A  
 602401-07 MANHOLE, TYPE A, 4' (1.22m) DIAMETER  
 602402-03 MANHOLE, TYPE A, 5' (1.52m) DIAMETER  
 602406-11 MANHOLE TYPE A, 6' (1.83m) DIAMETER  
 602411-09 MANHOLE TYPE A, 7' (2.13m) DIAMETER  
 602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP  
 604001-05 FRAME AND LIDS, TYPE 1  
 604036-03 GRATE, TYPE 8  
 604041-03 FRAME AND GRATE, TYPE 9  
 604056-04 FRAME AND GRATE, TYPE 11V  
 604091-05 FRAME AND GRATE, TYPE 24  
 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER  
 630001-13 STEEL PLATE BEAM GUARDRAIL  
 630116 BACK SIDE PROTECTION OF GUARDRAIL  
 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
 631031-18 TRAFFIC BARRIER TERMINAL, TYPE 6  
 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE  
 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY  
 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE  
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS  
 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY  
 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH  
 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED  
 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 ROAD 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 TEMPORARY CONCRETE BARRIER  
 720001-01 SIGN PANEL MOUNTING DETAILS  
 720006-04 SIGN PANEL ERECTION DETAILS

**HIGHWAY STANDARDS, CONTINUED**

725001-01 OBJECT AND TERMINAL MARKERS  
 728001-01 TELESCOPING STEEL SIGN SUPPORT  
 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT  
 780001-05 TYPICAL PAVEMENT MARKINGS  
 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS  
 812001-01 RACEWAY EMBEDDED IN STRUCTURE  
 814001-03 HANDHOLES  
 821101-02 LUMINAIRE WIRING IN POLE  
 825011-04 LIGHTING CONTROLLER PEDESTAL, MOUNTED, 240V  
 830001-03 LIGHT POLE ALUMINUM MAST ARM  
 838001-01 BREAKAWAY DEVICES  
 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES  
 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)  
 877001-08 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'  
 878001-11 CONCRETE FOUNDATION DETAILS  
 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION  
 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS  
 886001-01 DETECTOR LOOP INSTALLATIONS  
 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

**IDOT DISTRICT 1 STANDARD DETAILS**

BD-01 DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5m)  
 BD-02 DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB LESS THAN 15' (4.5m)  
 BD-12 MANHOLE WITH RESTRICTOR PLATE  
 BD-48 PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER  
 BE-240 COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC  
 BE-305 LIGHT POLE FOUNDATION METAL  
 BE-310 LIGHT POLE FOUNDATION OFFSET 40' (12.192m) TO 47' 1/2' (14.478m) MH 15" (381mm) BOLT CIRCLE  
 BE-400 ALUMINUM LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT  
 BE-701 LUMINAIRE SAFETY CABLE ASSEMBLY  
 BE-702 MISC. ELECTRICAL DETAILS SHEET A  
 TC-10 TRAFFIC CONTROL AND 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 (TO REMAIN OPEN TO TRAFFIC)  
 TC-16 SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS  
 TC-22 ARTERIAL ROAD INFORMATION SIGN  
 TC-26 DRIVEWAY ENTRANCE SIGNING  
 TS-02 DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS  
 TS-05 DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

FILE NAME = D:\60110-1\11-1\index&std201.dgn



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / 1" in.	CHECKED - JRS	REVISED -
PLOT DATE = 3/19/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS AND LIST OF STANDARDS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	3
<b>CONTRACT NO. 60J10</b>				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE CURRENT STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. 48 HOURS PRIOR TO THE START OF ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR VERIFICATION OF ALL UTILITY LOCATIONS IN THE FIELD.
5. THE CONTRACTOR SHALL COORDINATE WITH ALL ABOVE AND UNDERGROUND UTILITY COMPANIES IF UTILITIES NEED TO BE RELOCATED.
6. THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND CITY OF DES PLAINES.
8. THE CONTRACTOR SHALL COORDINATE WITH COMED, AND ENSURE THAT THE HIGH-VOLTAGE UNDERGROUND TRANSMISSION LINE IS UNDISTURBED AND PROTECTED DURING CONSTRUCTION. ITS LOCATION SHALL BE FIELD VERIFIED AND APPROPRIATELY MARKED. THE CONSTRUCTION CREW SHALL BE AWARE OF ITS PROXIMITY DURING CONSTRUCTION ACTIVITIES IN THE AREA.
9. THE LOCATION AND ELEVATION OF THE EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE, COUNTY, OR MUNICIPAL PROPERTY WITHOUT WRITTEN PERMISSION FROM THE JURISDICTIONAL AGENCY OR MUNICIPALITY.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.
12. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS AND PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS. THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED.
13. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
15. PROPOSED SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.00%, AS DETERMINED BY THE ENGINEER. SIDEWALK EXCEEDING 2.00% CROSS SLOPE SHALL BE RECONSTRUCTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
16. TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED COMBINATION CONCRETE CURB AND GUTTER TO EXISTING COMBINATION CONCRETE CURBS AND GUTTERS, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE TYPE OF COMBINATION CONCRETE CURB AND GUTTER.
17. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
18. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
19. THE EARTHEN LEVEE SHOULD IN NO WAY BE DISTURBED DURING CONSTRUCTION.
20. WHERE SPECIFIED ON THE PLANS, OR DIRECTED BY THE ENGINEER, TRIMMING OF VEGETATION WILL BE CONSIDERED TO BE CLEARING AND NOT MEASURED FOR PAYMENT.
21. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE FOREST PRESERVE DISTRICT OF COOK COUNTY. ALL TREE PROTECTION SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE.
22. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE ALONG R.O.W. LINE ADJACENT TO THE FOREST PRESERVE DISTRICT OF COOK COUNTY AND THE SOUTH BRIDGE ABUTMENT TEMPORARY EASEMENT BEFORE ANY CONSTRUCTION BEGINS. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
23. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER AT FADI.SULTAN@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
24. 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 IL.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
25. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
26. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR'S EXPENSE.
27. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
28. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
29. 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.
30. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171, AT LEAST (7) DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES, SHRUBS, AND PERENNIALS.
31. PREVENT DISRUPTION OF MAIL DELIVERY DURING CONSTRUCTION.
32. THE COMED ENCASED UNDERGROUND TRANSITION LINE, INCLUDING FIBER-OPTIC DUCTS ALONG THE LINE, SHALL REMAIN UNDISTURBED.
33. MWRD SEWER SHALL BE VIDEOTAPED AND RECORDED PRIOR TO AND POST CONSTRUCTION FROM STA. 242+25 TO STA. 249+10

**COMMITMENTS**

NONE

FILE NAME = D:\62110-ht-gennote2.dgn



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	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	4
<b>CONTRACT NO. 60J10</b>				
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\6210-ph-500201.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD	RAND RD	RAND RD	RAND RD	ELK BLVD	BALLARD RD	RAND RD		
				ROADWAY	BRIDGE	SAFETY	EVP	TRAFFIC SIGNAL	TRAFFIC SIGNAL	WATERMAIN		
				0003	0010	0021	0021	0021	0021	0044		
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN						
* 20101100	TREE TRUNK PROTECTION	EACH	29	29								
20101700	SUPPLEMENTAL WATERING	UNIT	2	2								
20200100	EARTH EXCAVATION	CU YD	2108	2108								
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4796	4796								
20400800	FURNISHED EXCAVATION	CU YD	2270	2270								
20800150	TRENCH BACKFILL	CU YD	3039	1716							1323	
* 21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4622	4622								
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	957	957								
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	7340	7340								
* 25000200	SEEDING, CLASS 2	ACRE	2.75	2.75								
* 25000210	SEEDING, CLASS 2A	ACRE	1	1								
* 25000310	SEEDING, CLASS 4	ACRE	1.5	1.5								
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	338	338								
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	338	338								
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	338	338								
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	5	5								
* 25100115	MULCH, METHOD 2	ACRE	2.75	2.75								
* 25100630	EROSION CONTROL BLANKET	SQ YD	5050	5050								
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100								
* 28000305	TEMPORARY DITCH CHECKS	FOOT	30	30								
* 28000315	AGGREGATE DITCH CHECKS	TON	38.5	38.5								
* 28000400	PERIMETER EROSION BARRIER	FOOT	4061	4061								
* 28000500	INLET AND PIPE PROTECTION	EACH	8	8								

\* SPECIALTY ITEM



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NA SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	5
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
28000510	INLET FILTERS	EACH	64	64								
28100105	STONE RIPRAP, CLASS A3	SQ YD	16	16								
28100107	STONE RIPRAP, CLASS A4	SQ YD	1300		1300							
28200200	FILTER FABRIC	SQ YD	1300		1300							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1498	1498								
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	12459	12459								
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1568	1568								
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	154	154								
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	374	374								
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1456	1456								
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	292	292								
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	35	35								
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	75	75								
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	205	205								
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	10873	10873								
42001300	PROTECTIVE COAT	SQ YD	14609	14609								
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	17	17								
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	20916	20916								
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	670	670								
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	450	450								
42400800	DETECTABLE WARNINGS	SQ FT	277				277					
44000100	PAVEMENT REMOVAL	SQ YD	12033	12033								
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	519	519								

\* SPECIALTY ITEM

FILE NAME = D:\6010-ph-500202.dgn



USER NAME = EtzwieE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 2 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	6
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003	0010	0021	0021	0021	0021	0044		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3718	3718								
44000600	SIDEWALK REMOVAL	SQ FT	9376	9376								
44003100	MEDIAN REMOVAL	SQ FT	584	584								
48101600	AGGREGATE SHOULDER, TYPE B 8"	SQ YD	33	33								
48203009	HOT-MIX ASPHALT SHOULDERS, 3"	SQ YD	153	153								
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1							
50200100	STRUCTURE EXCAVATION	CU YD	495		495							
50200300	COFFERDAM EXCAVATION	CU YD	171		171							
50201121	COFFERDAM (TYPE 2) (LOCATON-1)	EACH	1		1							
50201122	COFFERDAM (TYPE 2) (LOCATON-2)	EACH	1		1							
50300100	FLOOR DRAINS	EACH	20		20							
50300225	CONCRETE STRUCTURES	CU YD	681.2		681.2							
50300255	CONCRETE SUPERSTRUCTURE	CU YD	784.7		784.7							
50300260	BRIDGE DECK GROOVING	SQ YD	1933		1933							
50300265	SEAL COAT CONCRETE	CU YD	125.2		125.2							
50300300	PROTECTIVE COAT	SQ YD	2693		2693							
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	236.3		236.3							
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, 1L36N	FOOT	2090		2090							
50500505	STUD SHEAR CONNECTORS	EACH	1810		1810							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	333470		333470							
50800515	BAR SPLICERS	EACH	1199		1199							
50900105	ALUMINUM RAILING, TYPE L	FOOT	800		800							
50901720	BICYCLE RAILING	FOOT	716		716							

\* SPECIALTY ITEM

FILE NAME = D:\6010-ph-500203.dgn



USER NAME = EtzwieE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / 1" in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	7
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
50901750	PARAPET RAILING	FOOT	264		264							
51201900	FURNISHING STEEL PILES HP14X89	FOOT	4590		4590							
51202305	DRIVING PILES	FOOT	4590		4590							
51203900	TEST PILE STEEL HP 14X89	EACH	4		4							
51500100	NAME PLATES	EACH	1		1							
52200015	PERMANENT STEEL SHEET PILING	SQ FT	38330		38330							
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1486	793	693							
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1								
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2								
54261224	CONCRETE END SECTION, STANDARD 542001, 24", 1:2	EACH	1	1								
54261236	CONCRETE END SECTION, STANDARD 542001, 36", 1:2	EACH	1	1								
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	57	57								
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	967	967								
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	181	181								
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	882	882								
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	107	107								
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	215	215								
55100300	STORM SEWER REMOVAL 8"	FOOT	18	18								
55100400	STORM SEWER REMOVAL 10"	FOOT	323	323								
55100500	STORM SEWER REMOVAL 12"	FOOT	417	417								
55100700	STORM SEWER REMOVAL 15"	FOOT	1319	1319								
55100900	STORM SEWER REMOVAL 18"	FOOT	803	803								
55101200	STORM SEWER REMOVAL 24"	FOOT	330	330								

\* SPECIALTY ITEM

FILE NAME = D:\6210-ph-500204.dgn



USER NAME = Etzwele	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	8
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\6210-ph-500205.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
55101900	STORM SEWER REMOVAL 48"	FOOT	93	93								
* 56102900	DUCTILE IRON WATER MAIN 4"	FOOT	38									38
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	446									446
* 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	63									63
* 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	9									9
* 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	118									118
* 56103350	DUCTILE IRON WATER MAIN 14"	FOOT	1704									1704
* 56104800	WATER VALVES 4"	EACH	1									1
* 56104900	WATER VALVES 6"	EACH	4									4
* 56105000	WATER VALVES 8"	EACH	2									2
* 56105100	WATER VALVES 10"	EACH	1									1
* 56105200	WATER VALVES 12"	EACH	2									2
* 56105250	WATER VALVES 14"	EACH	8									8
* 56200500	WATER SERVICE LINE 1 1/2"	FOOT	336									336
* 56201600	CORPORATION STOPS 1 1/2"	EACH	7									7
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2									2
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6									6
* 56500700	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	7									7
* 56500800	DOMESTIC WATER SERVICE BOXES	EACH	7									7
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	471		471							
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	410		410							
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1842	1842								
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	362	362								

\* SPECIALTY ITEM



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NA SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	9
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1285		1285							
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2								
60200905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	4	4								
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4	4								
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	21	21								
60207705	CATCH BASINS, TYPE C, TYPE 9 FRAME AND GRATE	EACH	2	2								
60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	4	4								
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	8	8								
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	25	25								
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1								
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5								
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1								
60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	2	2								
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	1	1								
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	15	15								
* 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5									5
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13									13
60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1								
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6								
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	1	1							
60500040	REMOVING MANHOLES	EACH	17	17								

\* SPECIALTY ITEM

FILE NAME = D:\6210-ph-500206.dgn



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 6 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	10
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
60500050	REMOVING CATCH BASINS	EACH	14	14								
60500060	REMOVING INLETS	EACH	6	6								
60600605	CONCRETE CURB, TYPE B	FOOT	180	180								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	507	507								
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3139	3139								
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	312	312								
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	362.5			362.5						
* 63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	450			450						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3			3						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3			3						
* 63200310	GUARDRAIL REMOVAL	FOOT	746			746						
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	7600	7600								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15								
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1								
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1								
* 66901005	ENGINEERED BARRIER	SQ YD	175	175								
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	31	31								
67100100	MOBILIZATION	L SUM	1	1								
* 70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	180			180						
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	360			360						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5494			5494						
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	6752			6752						
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	44			44						

\* SPECIALTY ITEM

FILE NAME = D:\6010-ph-500207.dgn



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 7 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	11
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\6010-rt-500208.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
70303160	TEMPORARY PAVEMENT MARKING - LINE 12" - MODIFIED URETHANE	FOOT	167			167						
70303210	TEMPORARY PAVEMENT MARKING - LINE 24" - MODIFIED URETHANE	FOOT	73			73						
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	FOOT	63			63						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	14361			14361						
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	74			74						
70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	273			273						
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	167			167						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	900			900						
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	180			180						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	750			750						
70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	6			6						
70600341	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2			2						
70800105	TEMPORARY WATER FILLED BARRIER	FOOT	400			400						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	69			24		24		21		
* 72400100	REMOVE SIGN PANEL ASSEMBLY TYPE A	EACH	6			6						
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1			1						
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	143			143						
* 72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	62			62						
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6			6						
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4			4						
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	125			125						
* 72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	62			62						
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3			3						

\* SPECIALTY ITEM



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 8 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	12
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\6010-ht-500209.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	364			364						
* 73000100	WOOD SIGN SUPPORT	FOOT	69			69						
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	22			22						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	172			172						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5789			5789						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1775			1775						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	49			49						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	624			624						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	134			134						
* 78003137	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	836			836						
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	245			245						
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	6621			6621						
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	938			938						
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	498			498						
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	97			97						
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	836			836						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	318			318						
* 78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	242			242						
* 78112000	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	26			26						
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	13			13						
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	8			8						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	274			274						
* 78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3459			3459						

\* SPECIALTY ITEM



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 9 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	13
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\6010-rt-500210.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6403			6403						
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3253			1052		982	1219			
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	242					229	13			
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1497			523		509	465			
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1348			1319			29			
* 81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2			2						
* 81400100	HANDHOLE	EACH	11			3		4	4			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4					2	2			
* 81400300	DOUBLE HANDHOLE	EACH	5					3	2			
* 81603090	UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	7041			7041						
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	992			992						
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	814			814						
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2442			2442						
* 82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	41			41						
* 83050810	LIGHT POLE, ALUMINUM, 47.5FT. M.H. 15 FT. MAST ARM	EACH	36			36						
* 83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	28			28						
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	17			17						
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	34			34						
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	34			34						
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1						
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	2			2						
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3072.5			3072.5						
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1740					1525	215			

\* SPECIALTY ITEM

	USER NAME = EtzwieE	DESIGNED - MCK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -						3523	120-Y-B	COOK	267	14
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -		SCALE: NA	SHEET 10 OF 16 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT <b>CONTRACT NO. 60J10</b>					

FILE NAME = D:\6210-ph-50021.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2590					2030	560	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4175					2420	1755	
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1660					940	720	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3945					2090	1855	
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	130					65	65	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3030					1485	1545	
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7					6	1	
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3					1	2	
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1					1		
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1					1		
* 87702810	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.	EACH	1					1		
* 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT	EACH	1						1	
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT	EACH	2					1	1	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	44					32	12	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8					4	4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27					27		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60					24	36	
* 87900200	DRILL EXISTING HANDHOLE	EACH	3					2	1	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12					5	7	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10					8	2	
* 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2					2		
* 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2					2		
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3					1	2	

\* SPECIALTY ITEM

	USER NAME = EtzwileE	DESIGNED - MCK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -						3523	120-Y-B	COOK	267	15
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -		SCALE: NA	SHEET 11 OF 16 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT <b>CONTRACT NO. 60J10</b>					



FILE NAME = D:\6210-rt-500213.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* A2007624	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2								
* C2C03424	SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT CONTAINER	EACH	3	3								
* C2C06024	SHRUB, RHUS TYPHINA (STAGHORN SUMAC), 2' HEIGHT, CONTAINER	EACH	4	4								
* C2011024	SHRUB, SYRINGA PATULA MISS KIM (MISS KIM MANCHURIAN LILAC), 2'HEIGHT, BALLED AND BURLAPPED	EACH	3	3								
* D2C03736	EVERGREEN, THUJA OCCIDENTALIS (AMERICAN ARBORVITAE), 3' HEIGHT,CONTAINER	EACH	2	2								
* D2002260	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	7	7								
* K0013110	PERENNIAL PLANTS, WOODLAND TYPE, GALLON POT	UNT	0.3	0.3								
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	50								
X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	6	6								
X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	1400	1400								
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2415				2415					
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	603			506				97		
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, OPEN LIDS, RESTRICTOR PLATE	EACH	1	1								
X0326694	PLUG EXISTING STORM SEWERS	CU YD	1	1								
X5420124	ELASTOMERIC CHECK VALVE 24" DIAMETER	EACH	1	1								
* X0327727	PLANTER REMOVAL	L SUM	1	1								
* X1200136	WATER MAIN INSULATION	FOOT	206									206
* X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	2						1		1	
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2						1		1	
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1						1			
* X1400338	UNDERGROUND CONDUIT, STAINLESS STEEL, 2" DIA.	FOOT	36			28					8	
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4						4			
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1								1	

\* SPECIALTY ITEM



USER NAME = EtzWileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / 1" in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 13 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	17
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\6210-ph-500214.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* A2012022	TREE, AESCULUS CARNEA FORT MCNAIR (FORT MCNAIR BUCKEYE), 2"CAPLIPER, BALLED AND BURLAPED	EACH	1	1								
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7								
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7								
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2								
X5010523	REMOVE CONCRETE END SECTION	EACH	4	4								
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	36	36								
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	123	123								
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	66	66								
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	10026									10026
X5610700	WATER MAIN REMOVAL	FOOT	3151									3151
X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	7									7
X5630010	CUT AND CAP EXISTING 10" WATER MAIN	EACH	1									1
X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1									1
X5630704	CONNECTION TO EXISTING WATER MAIN 4"	EACH	1									1
X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	6									6
X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1									1
X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	1									1
X6026622	VALVE VAULTS TO BE REMOVED	EACH	7									7
X6026632	VALVE BOXES TO BE REMOVED	EACH	2									2
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18								
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								
* X7270025	REMOVE EXISTING SIGN SUPPORT	EACH	26			26						
* X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2			2						

\* SPECIALTY ITEM



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	18
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



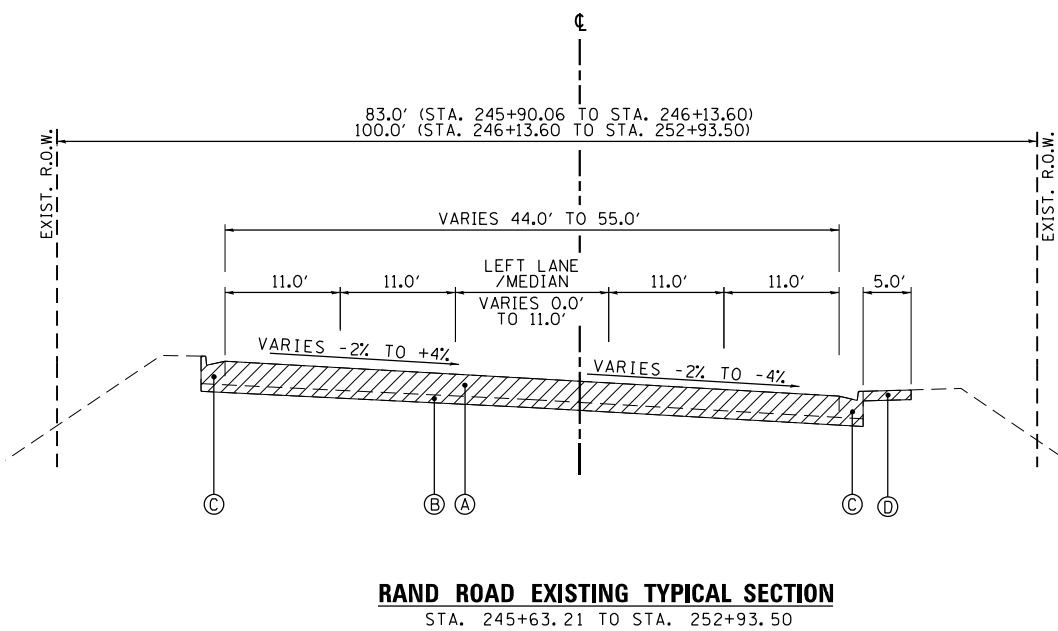
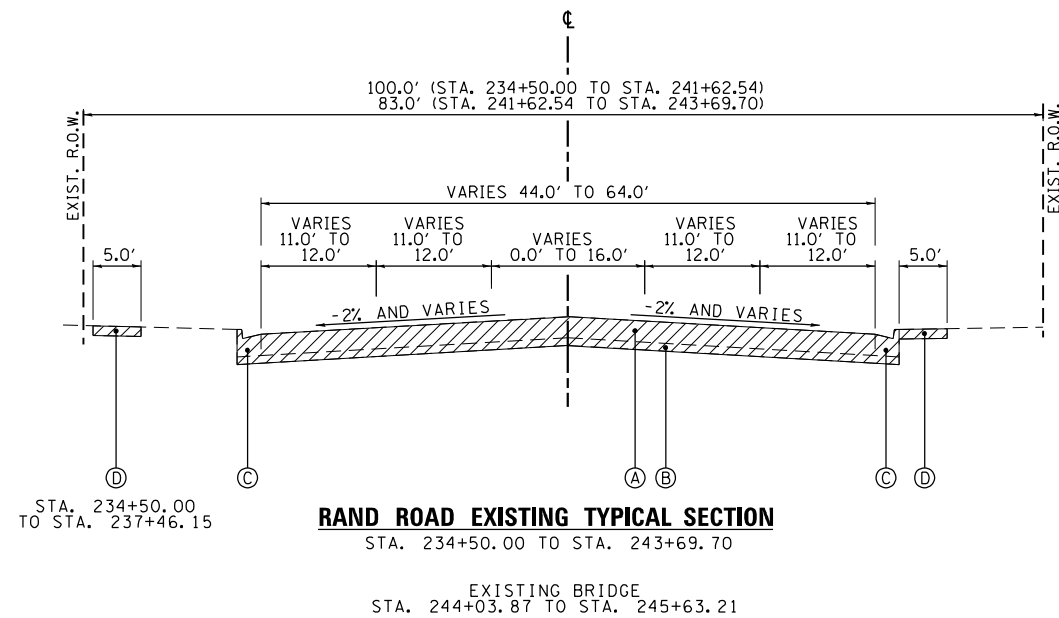
FILE NAME = D:\6210-ph-500215.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	10			10						
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2					1	1			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3118.5			3118.5						
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12					10	2			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20					16	4			
* X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	860			860						
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								
Z0015200	CURB STOPS 1 1/2"	EACH	7								7	
Z0015550	DEBRIS REMOVAL	L SUM	1		1							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	139			139						
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	41			41						
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18			18						
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3			3						
Z0044900	PRESSURE CONNECTION 10" X 10"	EACH	1								1	
Z0045100	PRESSURE CONNECTION 12" X 12"	EACH	1								1	
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	1229	1229								
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	367	367								
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	14	14								
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	549	549								
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	67	67								
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	87	87								
Z0062456	TEMPORARY PAVEMENT	SQ YD	1066	931							135	
* Z0064800	SELECTIVE CLEARING	UNT	1	1								

\* SPECIALTY ITEM

	USER NAME = EtwileE	DESIGNED - MCK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -						3523	120-Y-B	COOK	267	19
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -		SCALE: NA	SHEET 15 OF 16 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT <b>CONTRACT NO. 60J10</b>					





**EXISTING LEGEND**

- Ⓐ HMA PAVEMENT - 12" AND VARIES
- Ⓑ AGGREGATE BASE COURSE - 4" AND VARIES
- Ⓒ CURB AND GUTTER, TYPE B
- Ⓓ PCC SIDEWALK
- ▨ REMOVAL ITEMS

**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED) (42000401)
- ② AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60603800)
- ④ #5 24" LONG TIE BAR AT 36" CTS.
- ⑤ #5 30" LONG TIE BAR AT 36" CTS.
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- ⑦ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- ⑧ BACK SIDE PROTECTION OF GUARDRAIL (63000035) (SOUTH SIDE OF ROAD BY SHARED USE PATH)
- ⑨ RETAINING WALL
- ⑩ TOPSOIL FURNISH AND PLACE, 6" (21101625)
- ⑪ HOT-MIX ASPHALT SHOULDER, 3" (48203009)
- ⑫ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
  - STA 237+30.00 TO STA 241+00.00
  - STA 241+00.00 TO STA 243+60.00
- ⑬ PAVEMENT RECONSTRUCTION
  - ⑬A 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (40604060)
  - ⑬B 5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (40603080)

HOT-MIX ASPHALT MIX REQUIREMENTS		OMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RECONSTRUCTION (HAWTHORN LANE)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 5"	4% @ 50 GYR	QC/OA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 GYR	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8"	4% @ 70 GYR	QC/OA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 GYR	QC/OA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); PE - 6", CE - 8"	4% @ 50 GYR	QC/OA
HOT MIX ASPHALT SHOULDER, 3"		
HOT-MIX ASPHALT BINDER COURSE IL-19.0; 3"	4% @ 50 GYR	QC/OA
OMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE		

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

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

**ALTERNATIVE PCC TEMPORARY PAVEMENT:**  
PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF 9" CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS

STRUCTURAL DESIGN TRAFFIC:	Year	2030
PV =	28,700	SU = 550 MU = 100
ROAD/STREET CLASSIFICATION:	Class	I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P =	32% S = 45% M = 45%
TRAFFIC FACTOR:	Actual TF =	1.4 AC Type = NA
	Minimum TF =	1.4
PG GRADE:	Binder =	NA Surface = NA
SUBGRADE SUPPORT RATING:	SSR =	POOR (Sta. 234+50 to 253+26.5)
	SSR =	(Sta. _____ to _____)

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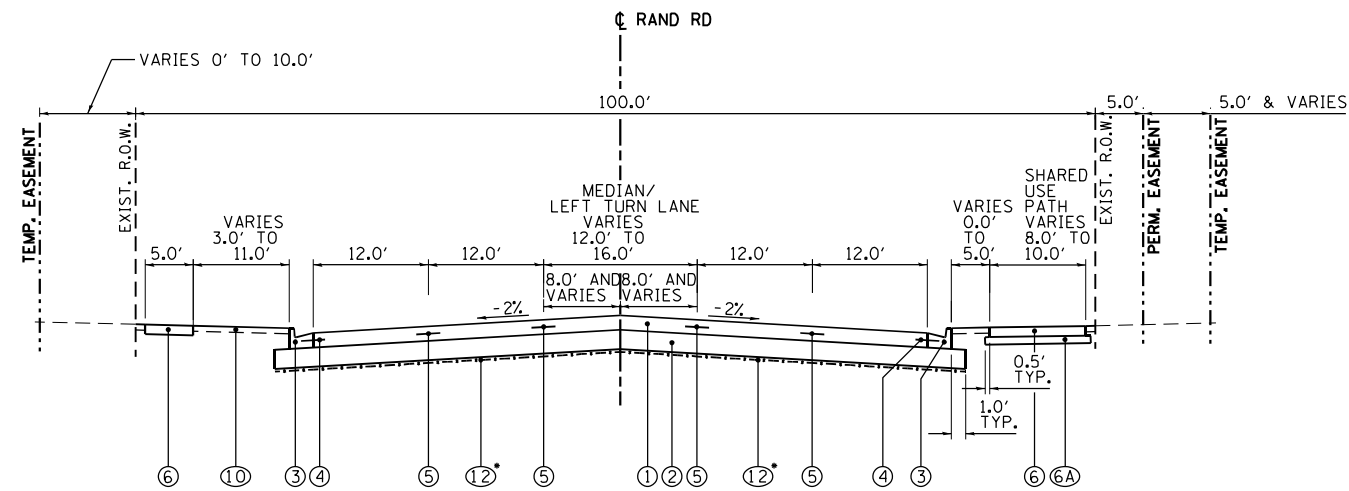


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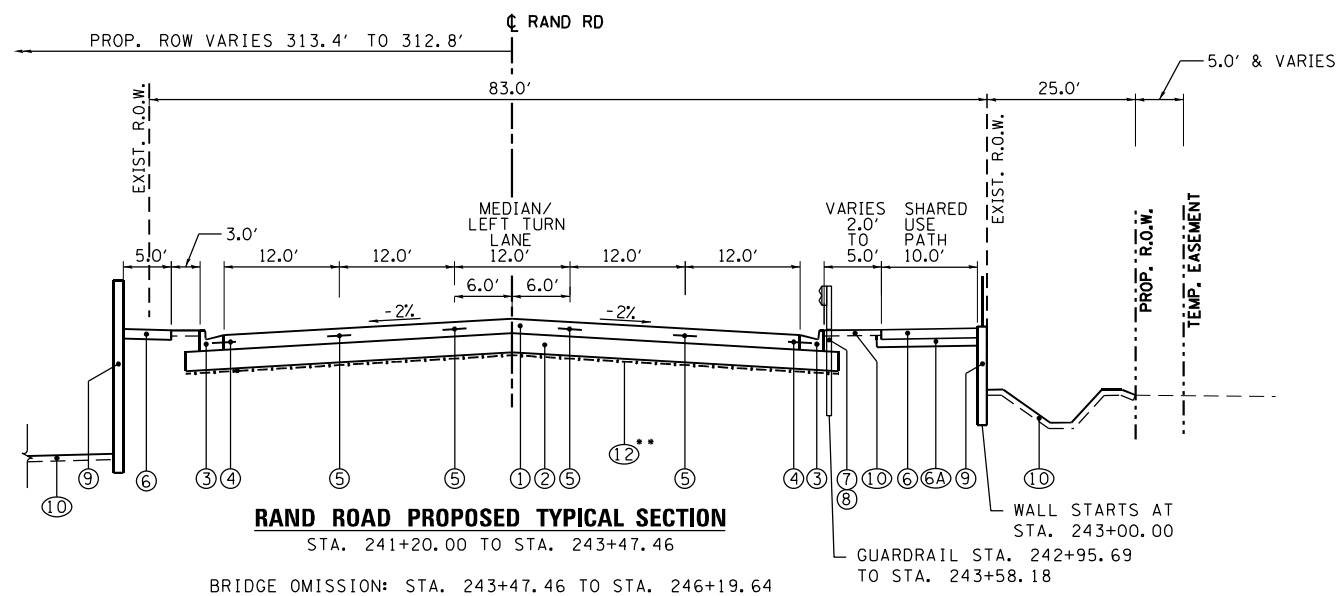
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>	
SCALE: NA	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	21
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

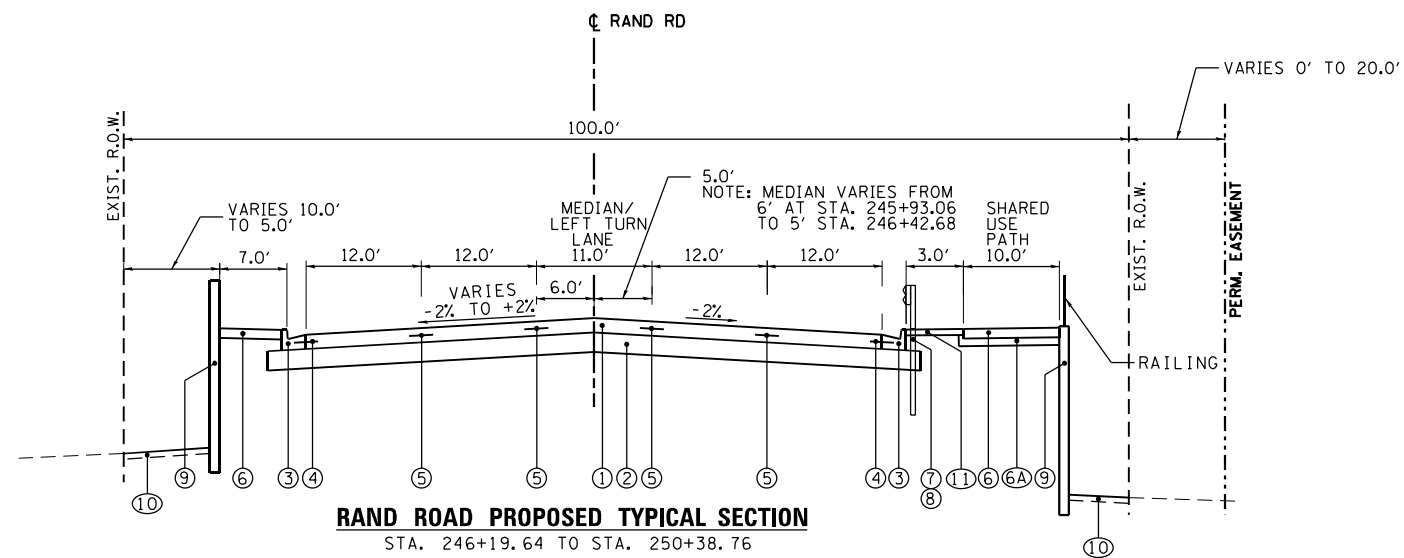


**RAND ROAD PROPOSED TYPICAL SECTION**  
STA. 234+50.00 TO STA. 241+20.00



**RAND ROAD PROPOSED TYPICAL SECTION**  
STA. 241+20.00 TO STA. 243+47.46

BRIDGE OMISSION: STA. 243+47.46 TO STA. 246+19.64



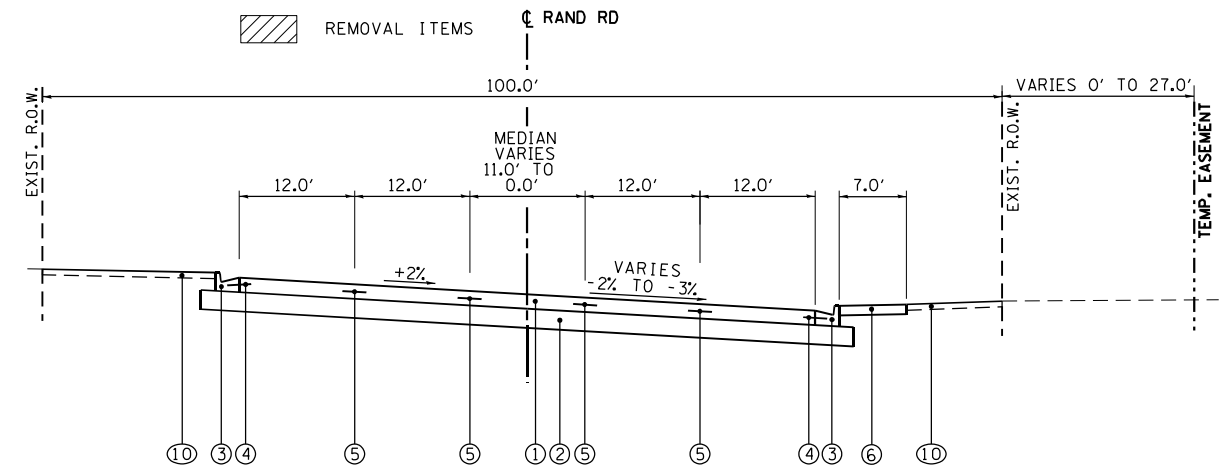
**RAND ROAD PROPOSED TYPICAL SECTION**  
STA. 246+19.64 TO STA. 250+38.76

**EXISTING LEGEND**

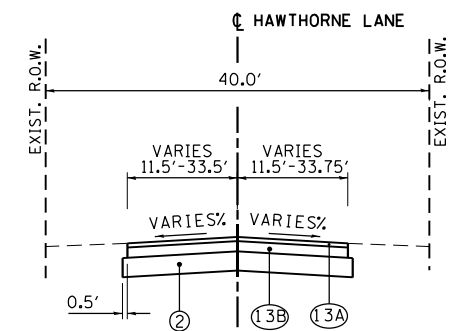
- (A) HMA PAVEMENT - 12" AND VARIES
- (B) AGGREGATE BASE COURSE - 4" AND VARIES
- (C) CURB AND GUTTER, TYPE B
- (D) PCC SIDEWALK

**PROPOSED LEGEND**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED) (42000401)
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60603800)
- (4) #5 24" LONG TIE BAR AT 36" CTS.
- (5) #5 30" LONG TIE BAR AT 36" CTS.
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (6A) AGGREGATE BASE COURSE, TYPE B 4" (35101600)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (8) BACK SIDE PROTECTION OF GUARDRAIL (63000035) (SOUTH SIDE OF ROAD BY SHARED USE PATH)
- (9) RETAINING WALL
- (10) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (11) HOT-MIX ASPHALT SHOULDER, 3" (48203009)
- (12) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
  - STA 237+30.00 TO STA 241+00.00
  - STA 241+00.00 TO STA 243+60.00
- (13) PAVEMENT RECONSTRUCTION
  - (13A) 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (40604060)
  - (13B) 5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (40603080)



**RAND ROAD PROPOSED TYPICAL SUPERELEVATED SECTION**  
STA. 250+38.76 TO STA. 252+93.50



**HAWTHORNE LANE PROPOSED TYPICAL SECTION**  
STA. 10+35.34 TO STA. 10+65.00

RAND ROAD SUPERELEVATIONS			
STATION	LEFT	RIGHT	
234+50.00	-2.00%	-2.00%	
248+60.00	-2.00%	-2.00%	
249+50.00	2.00%	-2.00%	
252+51.50	2.00%	-2.00%	
252+93.50	2.00%	-3.00%	

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PLOT DATE = 3/18/2024	CHECKED - JRS	REVISED -
	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS		
SCALE: NA	SHEET 2 OF 2 SHEETS	STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 22
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

PROPOSED GUARDRAIL SCHEDULE														
ROADWAY	STATION	OFFSET	LT/RT	TO	STATION	OFFSET	LT/RT	LENGTH	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	63000035 BACK SIDE PROTECTION OF GUARDRAIL (FOOT)	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	72501000 TERMINAL MARKER - DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTORS, TYPE A (EACH)
RAND RD.	242+95.69	32.75	RT		243+58.18	32.00	RT	62.5	0	62.5	1	1	1	4
RAND RD.	246+29.32	31.34	RT		250+29.91	32.00	RT	387.5	325	387.5	1	1	1	5
RAND RD.	249+13.05	39.00	LT		250+13.07	40.11	LT	100	37.5		1	1	1	4
								TOTAL	362.5	450	3	3	3	13

EARTHWORK SCHEDULE						
AREA LOCATION	EARTH EXCAVATION	ADJUSTED EARTH EXCAVATION (10% SHRINKAGE)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE(-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
RAND ROAD WEST OF THE BRIDGE	198	179	2910	1430	1498	-1251
RAND ROAD EAST OF THE BRIDGE	374	337	351	2437	0	-2100
COMP. STORAGE	1535	1382	1535	300	0	1082
TOTAL VOLUMES	2108	1897	4796	4167	1498	-2270

NOTE: COMP. STORAGE - ASSUMED 50% OF EXCAVATION IS SUITABLE

20200100 - EARTH EXCAVATION (CU YD) = 2108  
20201200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD) = 4796  
20400800 - FURNISHED EXCAVATION (CU YD) = 2270  
30300001 - AGGREGATE SUBGRADE IMPROVEMENT (CU YD) = 1498

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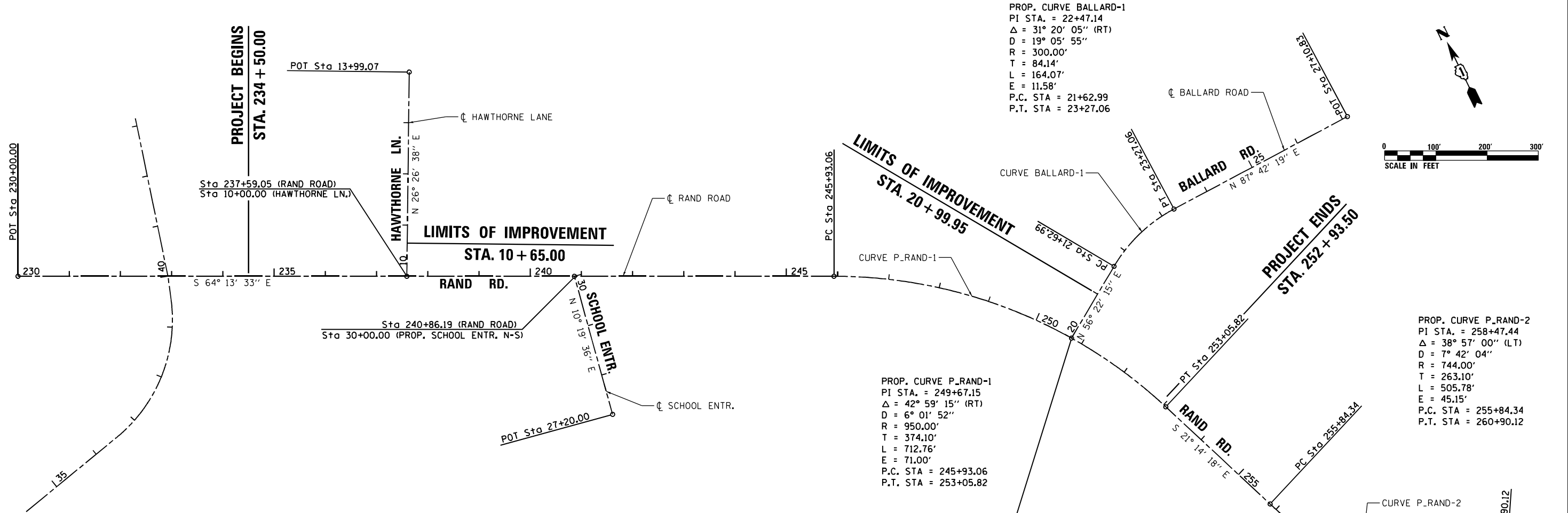
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NA	SHEET 1 OF 1 SHEETS	STA.	TO STA.

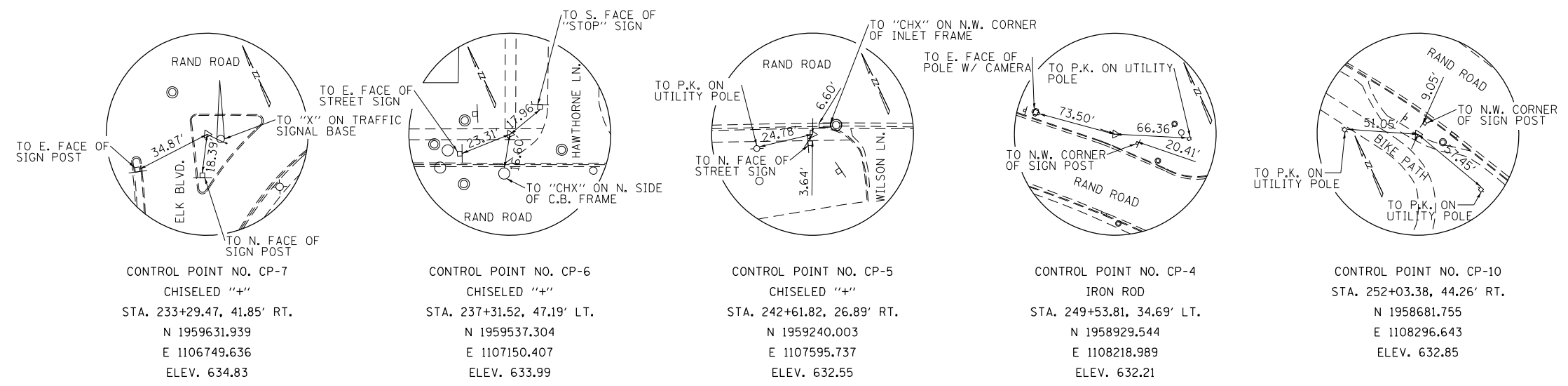
F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 23
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





☐ RAND ROAD				
POINT	CURVE NAME	STATION	NORTHING	EASTING
POT		230+00.00	1959812.890	1106471.143
PI	P_RAND-1	249+67.15	1958957.524	1108242.594
PI	P_RAND-2	258+47.44	1958104.000	1108574.313
POT		267+66.72	1957636.828	1109389.657
☐ HAWTHORNE LANE				
POT		10+00.00	1959482.837	1107154.678
POT		13+99.07	1959840.151	1107332.392
☐ PROP. SCHOOL ENTR.				
POT		27+20.00	1959065.123	1107399.082
POT		30+00.00	1959340.588	1107449.274
☐ BALLARD ROAD				
POT		20+00.00	1958809.699	1108270.756
PI	BALLARD-1	22+47.14	1958946.568	1108476.531
POT		27+10.83	1958965.302	1108944.065

BENCHMARKS		
BENCHMARK	ELEVATION	DESCRIPTION
BM 91	631.97	MONUMENT SET IN CONCRETE AT S.W. CORNER OF DEMPSTER STREET AND ACRES LANE 18' SOUTH OF EOP OF DEMPSTER AND 9' WEST OF EOP OF ACRES
BM 92	635.39	CHISELED SQUARE ON SIDEWALK AT S.W. CORNER OF BRIDGE ON RAND ROAD AT DES PLAINES RIVER
BM 93	631.12	MONUMENT SET IN CONCRETE AT BIG BEND DRIVE AND HAWTHORNE LANE AT THE DEAD END OF HAWTHORNE, 5.5' IN FRONT OF GUARDRAIL



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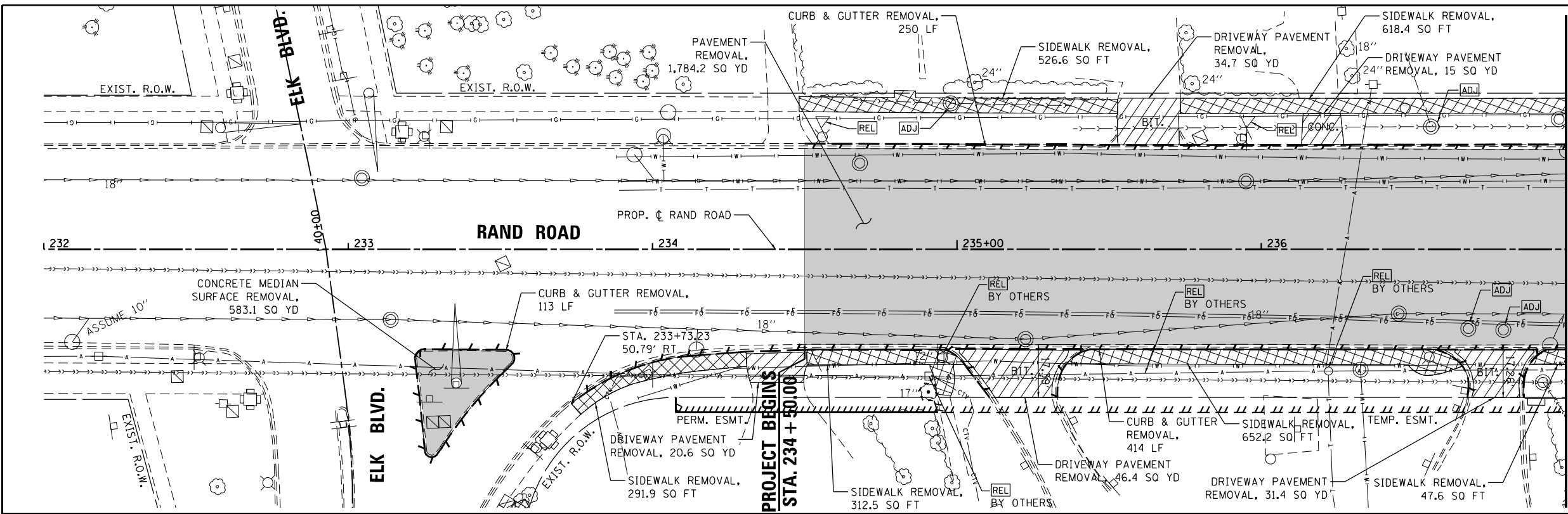


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PLOT DATE = 3/18/2024	CHECKED - JRS	REVISED -
	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS	
SCALE: 1"=100'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	24
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

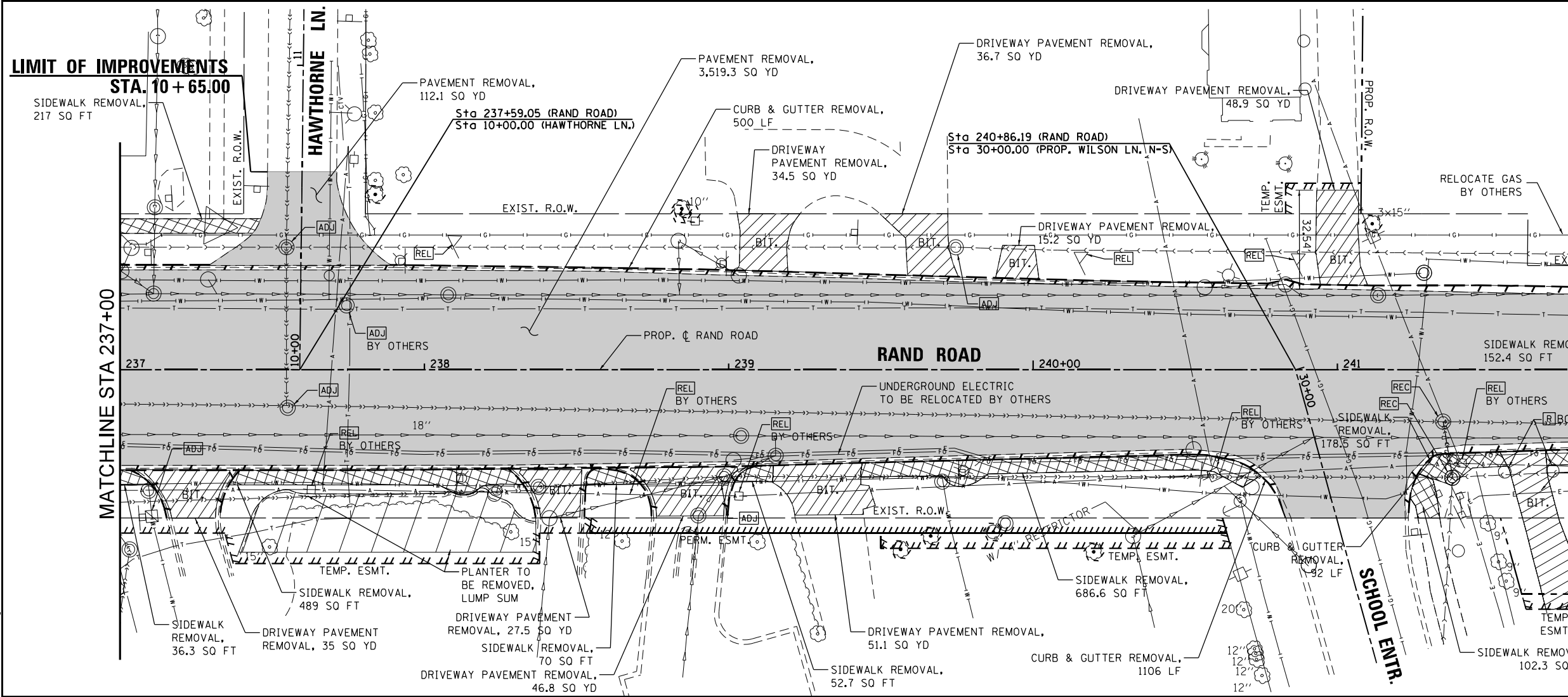


0 20' 40' 60'  
SCALE IN FEET

**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- CURB & GUTTER REMOVAL
- GUARDRAIL REMOVAL
- TREE TRUNK PROTECTION

MATCHLINE STA 237+00



0 20' 40' 60'  
SCALE IN FEET

NOTES:

1. SEE SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND RELOCATIONS.
2. SEE DRAINAGE PLANS FOR DRAINAGE STRUCTURE AND PIPE REMOVALS AND ADJUSTMENTS.
3. SEE LIGHTING PLANS FOR LIGHT POLE REMOVALS AND RELOCATIONS.
4. SEE WATER MAIN PLANS FOR WATER MAIN, VALVE, AND FIRE HYDRANT REMOVALS AND RELOCATIONS.
5. SEE SIGNING PLANS FOR SIGN REMOVALS AND RELOCATIONS.

MATCHLINE STA 242+00



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MCK	REVISED -
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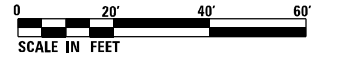
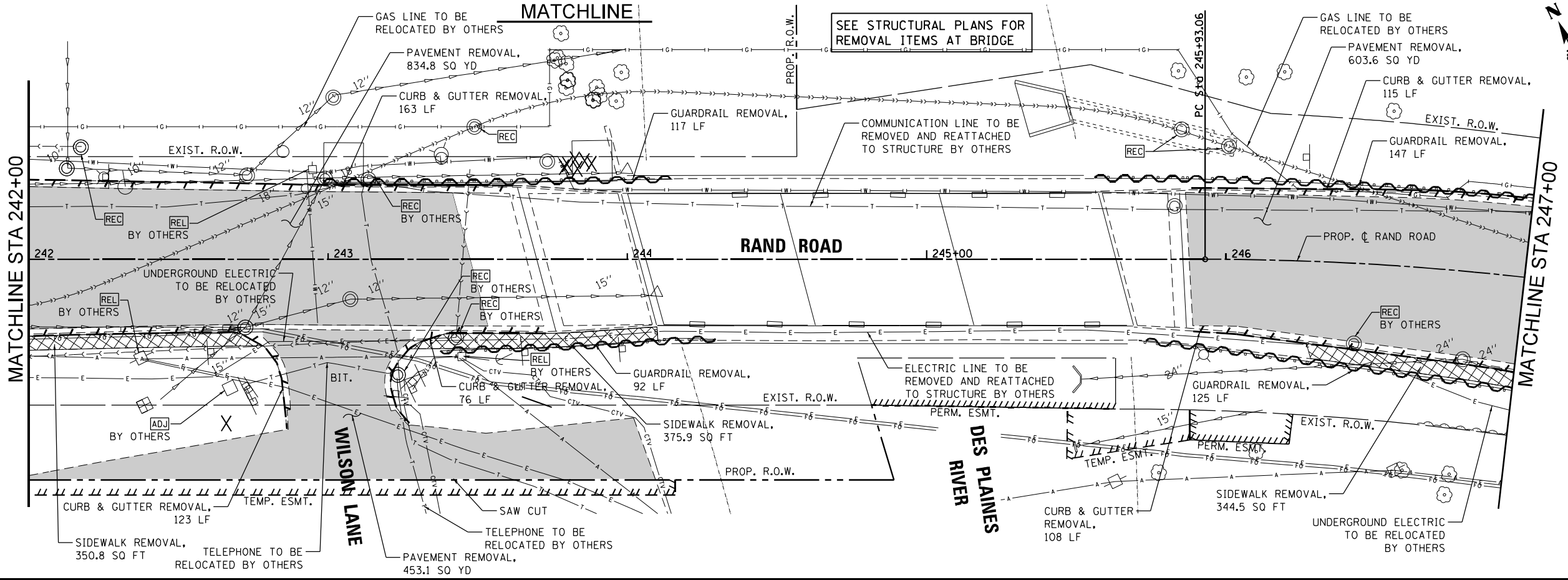
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
RAND ROAD**

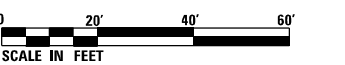
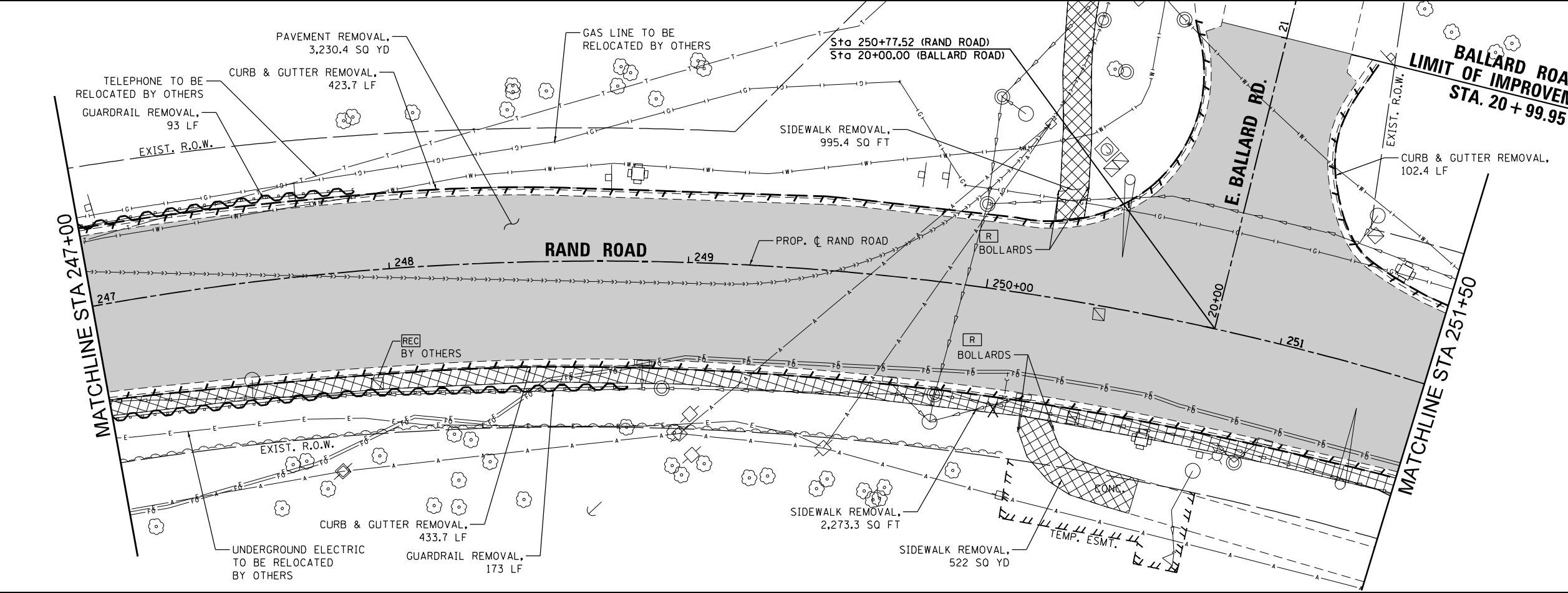
SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 234+50.00 TO STA. 242+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	25
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

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- NOTES:
1. SEE SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND RELOCATIONS.
  2. SEE DRAINAGE PLANS FOR DRAINAGE STRUCTURE AND PIPE REMOVALS AND ADJUSTMENTS.
  3. SEE LIGHTING PLANS FOR LIGHT POLE REMOVALS AND RELOCATIONS.
  4. SEE WATER MAIN PLANS FOR WATER MAIN, VALVE, AND FIRE HYDRANT REMOVALS AND RELOCATIONS.
  5. SEE SIGNING PLANS FOR SIGN REMOVALS AND RELOCATIONS.



- REMOVAL LEGEND**
- PAVEMENT REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - SIDEWALK REMOVAL
  - CURB & GUTTER REMOVAL
  - GUARDRAIL REMOVAL
  - TREE TRUNK PROTECTION

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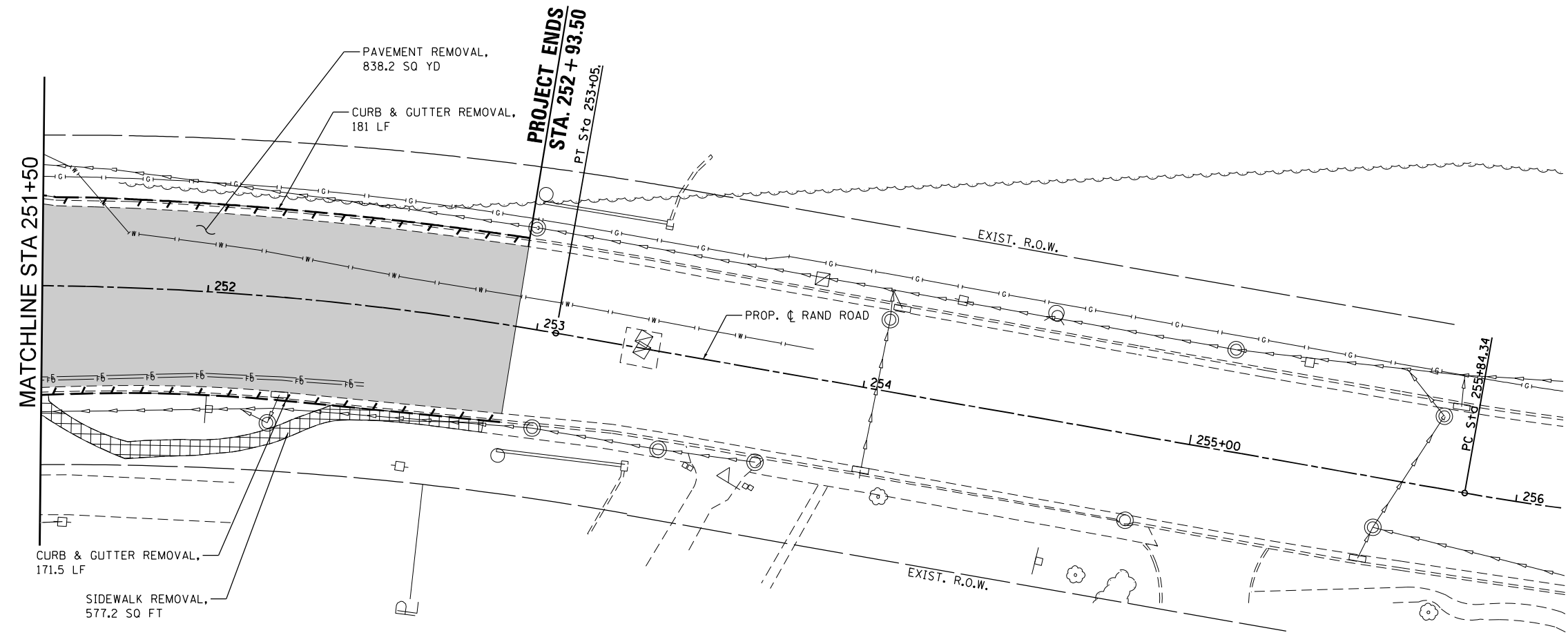
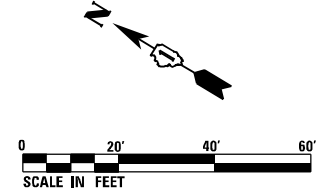
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	PLOT DATE = 3/18/2024	CHECKED - MXF	REVISED -
		DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
RAND ROAD**

SCALE: 1" = 20'    SHEET 2 OF 3 SHEETS    STA. 242+00.00 TO STA. 251+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	26
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND RELOCATIONS.
  2. SEE DRAINAGE PLANS FOR DRAINAGE STRUCTURE AND PIPE REMOVALS AND ADJUSTMENTS.
  3. SEE LIGHTING PLANS FOR LIGHT POLE REMOVALS AND RELOCATIONS.
  4. SEE WATER MAIN PLANS FOR WATER MAIN, VALVE, AND FIRE HYDRANT REMOVALS AND RELOCATIONS.
  5. SEE SIGNING PLANS FOR SIGN REMOVALS AND RELOCATIONS.

**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- CURB & GUTTER REMOVAL
- GUARDRAIL REMOVAL
- TREE TRUNK PROTECTION

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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
RAND ROAD**

SCALE: 1" = 20'    SHEET 3 OF 3 SHEETS    STA. 251+50.00 TO STA. 252+93.50

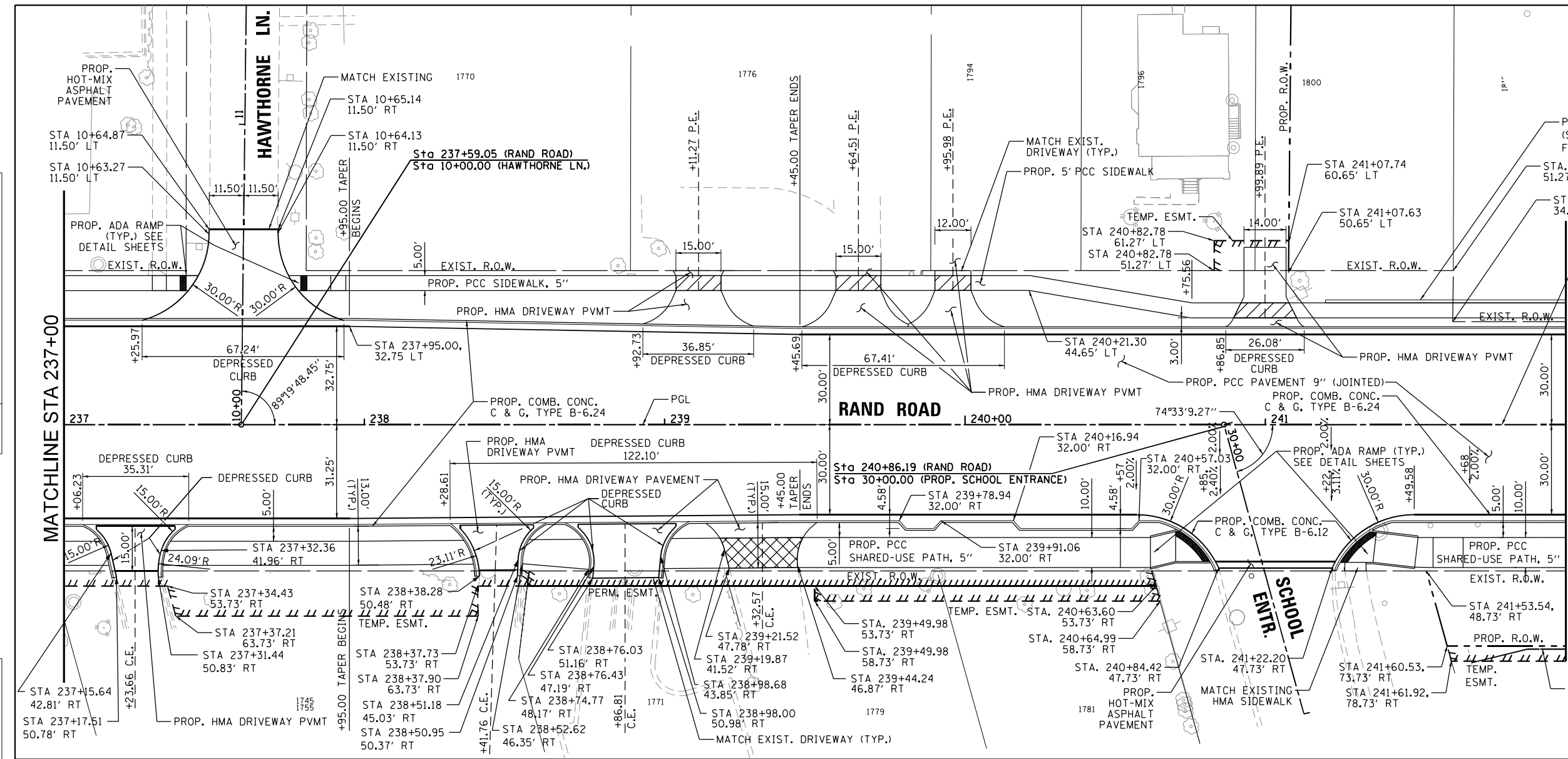
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3523	120-Y-B	COOK	267	27
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





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

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

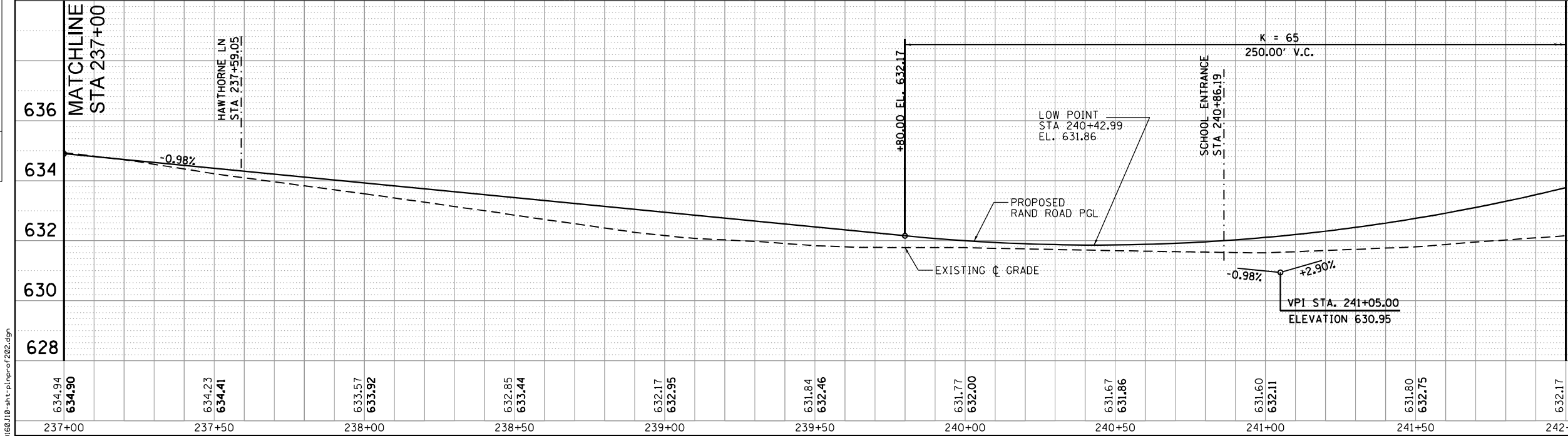


**LEGEND**

- PROP. PCC SIDEWALK, 6"
- PROP. PCC SHARED-USE PATH, 8"

**NOTES:**  
 SEE STD. DETAILS BD-01 AND BD-02 FOR DRIVEWAY DETAILS.  
 SEE THE INTERSECTION JOINTING PLAN, SHEET 90 FOR DETAILED GRADING AT THE RAND ROAD AND SCHOOL ENTRANCE INTERSECTION.

**SCALE:**  
 HORIZONTAL SCALE IN FEET: 0, 20, 40, 60'  
 VERTICAL SCALE IN FEET: 0, 2, 4, 6'

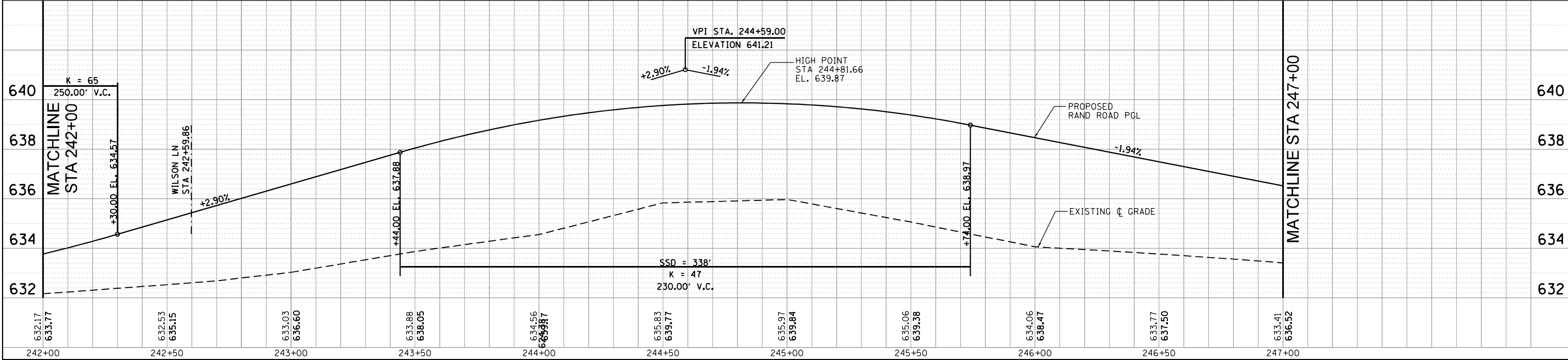
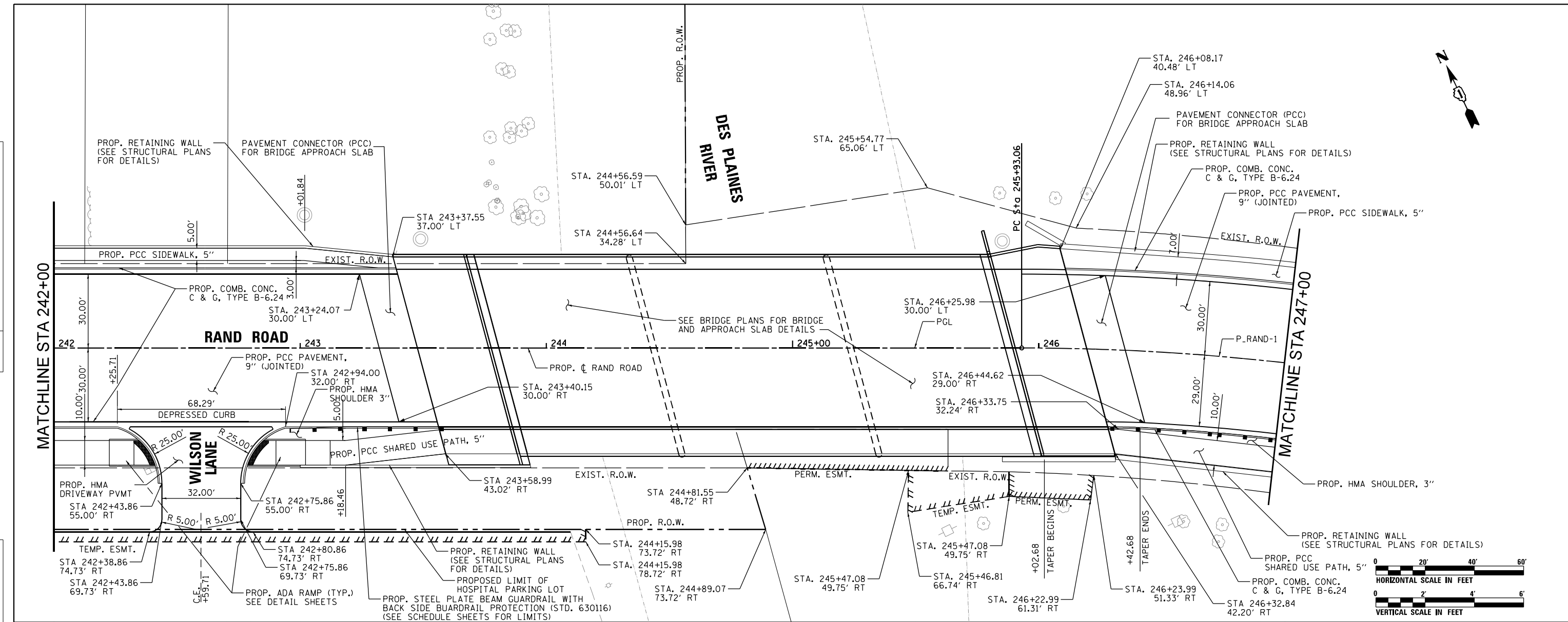


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	PLOT SCALE = 40.0000' / in.	DRAWN - MXF	REVISED -			3523	120-Y-B	COOK	267	29
	PLOT DATE = 3/18/2024	CHECKED - JRS	REVISED -	SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 237+00.00 TO STA. 242+00.00		CONTRACT NO. 60J10				
		DATE - 01/10/2024	REVISED -	ILLINOIS FED. AID PROJECT						

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BY	
PLAN	
SURVEYED	CHECKED
PLOTTED	NO. 1
NOTE BOOK	
FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	CHECKED
PLOTTED	NO. 1
NOTE BOOK	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

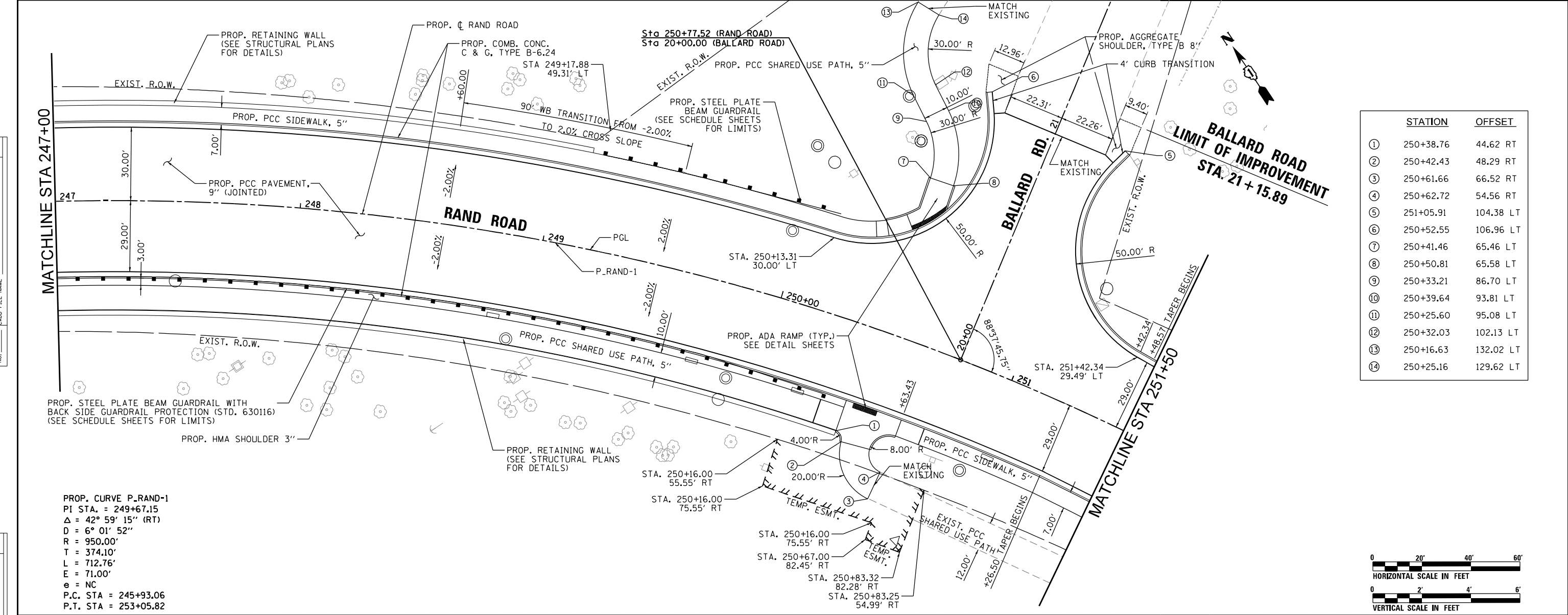
**PLAN & PROFILE  
RAND ROAD**

SCALE: 1" = 20' SHEET 3 OF 5 SHEETS STA. 242+00.00 TO STA. 247+00.00

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 30
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

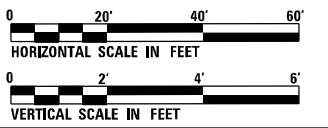
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	PLOTTED	BY
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	NO.	

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



	STATION	OFFSET
①	250+38.76	44.62 RT
②	250+42.43	48.29 RT
③	250+61.66	66.52 RT
④	250+62.72	54.56 RT
⑤	251+05.91	104.38 LT
⑥	250+52.55	106.96 LT
⑦	250+41.46	65.46 LT
⑧	250+50.81	65.58 LT
⑨	250+33.21	86.70 LT
⑩	250+39.64	93.81 LT
⑪	250+25.60	95.08 LT
⑫	250+32.03	102.13 LT
⑬	250+16.63	132.02 LT
⑭	250+25.16	129.62 LT

PROP. CURVE P\_RAND-1  
 PI STA. = 249+67.15  
 $\Delta = 42^\circ 59' 15''$  (RT)  
 $D = 6^\circ 01' 52''$   
 $R = 950.00'$   
 $T = 374.10'$   
 $L = 712.76'$   
 $E = 71.00'$   
 $e = NC$   
 P.C. STA = 245+93.06  
 P.T. STA = 253+05.82



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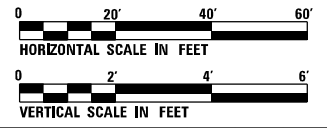
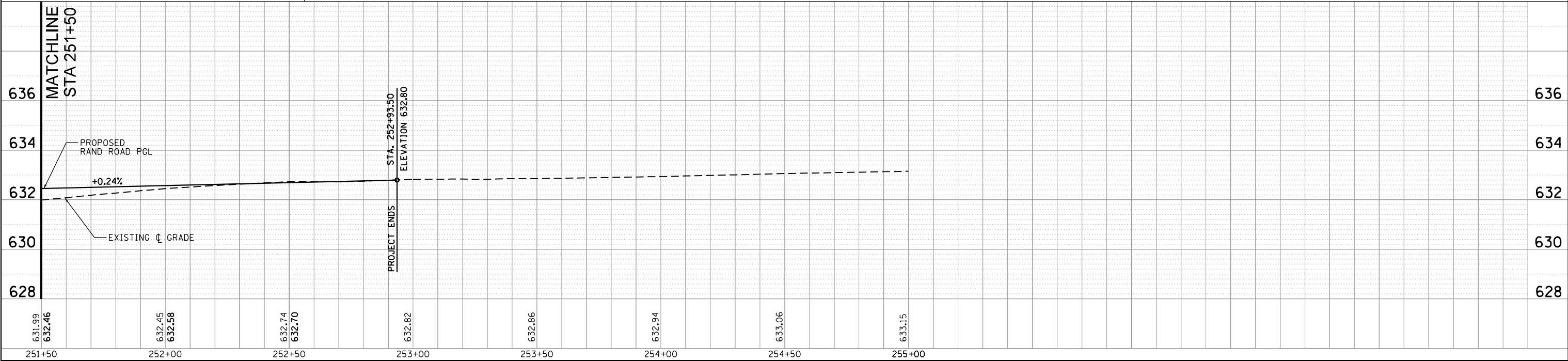
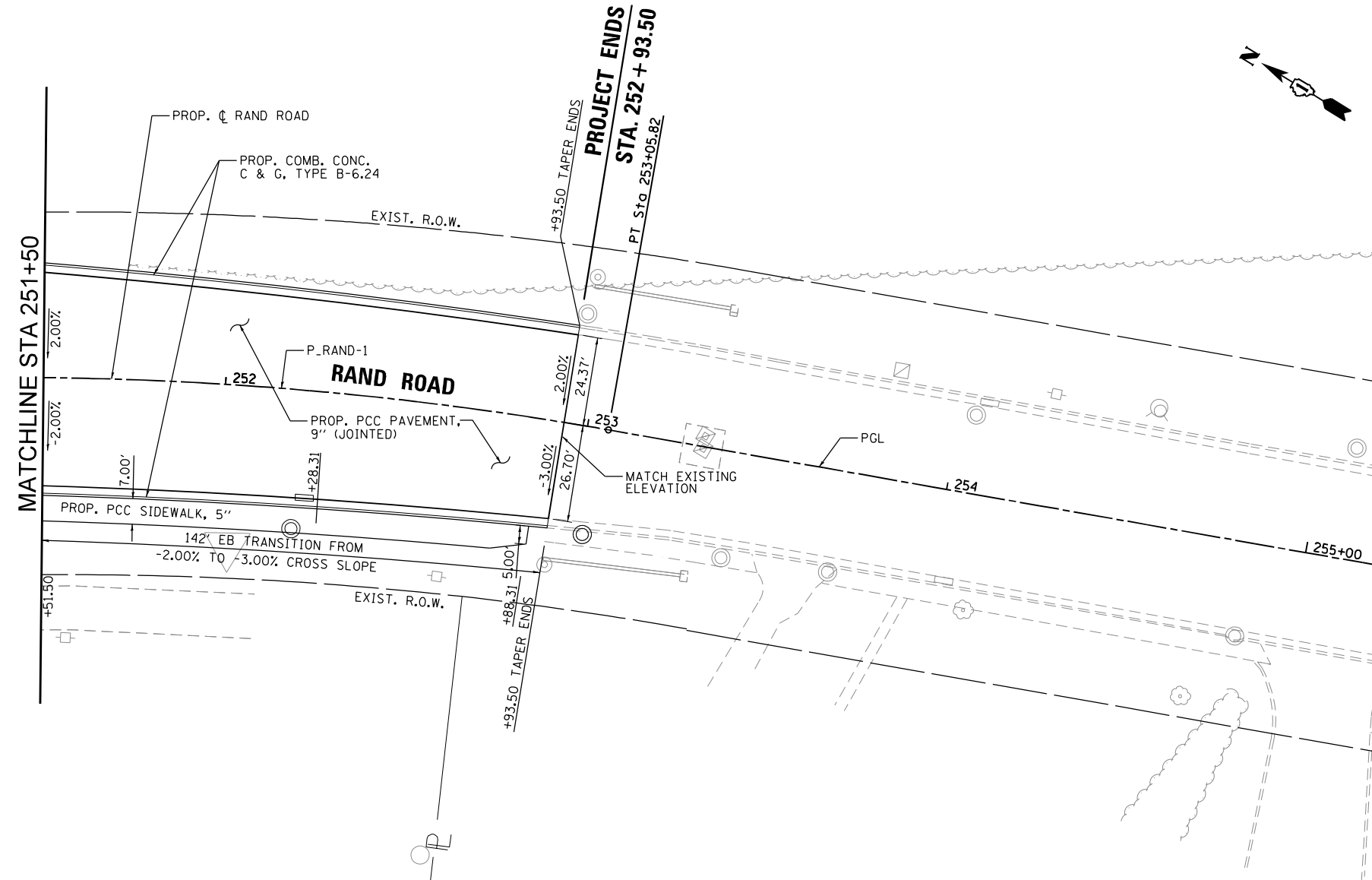
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	PLOT SCALE = 40.0000' / in.	CHECKED - JRS	REVISED -			3523	120-Y-B	COOK	267	31
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -			CONTRACT NO. 60J10				

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 247+00.00 TO STA. 251+50.00

PLAN	SURVEYED	BY	DATE
	NOTED		
	ALIGNED		
	CHECKED		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

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USER NAME = EtzwileE	DESIGNED - MXF	REVISED -
	DRAWN - MXF	REVISED -
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
RAND ROAD

SCALE: 1" = 20' SHEET 5 OF 5 SHEETS STA. 251+50.00 TO STA. 253+36.02

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	32
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**STAGE CONSTRUCTION TRAFFIC CONTROL NOTES**

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, IDOT STANDARD SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF CHANGES IN CONSTRUCTION STAGING.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. ALL CONFLICTING SIGNS, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES SHALL BE REMOVED OR COVERED AND TEMPORARY TRAFFIC CONTROL MEASURES BE PLACED TO THE SATISFACTION OF THE ENGINEER. EXISTING SIGNS THAT DO NOT CONFLICT WITH STAGING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. DRUMS OR TYPE II BARRICADES SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED CONSTRUCTION WORK ZONE, AT 20' INTERVALS IN TAPER SECTIONS, AND AT 10' INTERVALS WITHIN RADII AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. ALL TRAFFIC CONTROL DEVICES AND SIGNING UTILIZED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), ILLINOIS SUPPLEMENT TO THE MUTCD, IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, IDOT STANDARD SPECIFICATIONS, CONTRACT SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. THE CONTRACTOR SHALL ENSURE THAT ANY EXISTING UTILITIES ARE NOT ENDANGERED OR DISTURBED DURING CONSTRUCTION AND THAT ACTIVE UTILITIES ARE PROPERLY MAINTAINED WITHIN THE CONSTRUCTION LIMITS.
8. THE CONTRACTOR SHALL INSTALL ADVANCE CONSTRUCTION SIGNING ONE WEEK PRIOR TO THE START OF CONSTRUCTION AND SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION.
10. THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND TRAFFIC CONTROL DEVICES THAT WERE AFFECTED BY CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING MAIL DELIVERY ACCESSIBILITY DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL ENSURE THAT THE EXISTING ROADWAY FLOOD GATES ON RAND ROAD EAST OF BALLARD ROAD ARE ABLE TO BE CLOSED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT AT ANY TIME OBSTRUCT THE CLOSING PATH OF THE GATES.
13. ALL PROPERTY ACCESS SHALL BE STAGE CONSTRUCTED TO MAINTAIN ACCESS AT ALL TIMES.
14. THE CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS ON AT LEAST ONE SIDE OF RAND ROAD AT ALL TIMES.
15. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGE SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL DELAYS, QUEUING, AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATIVE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
16. DROP-OFFS ADJACENT TO THE TRAVEL LANE THAT ARE NOT PROTECTED WITH A TEMPORARY CONCRETE BARRIER SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE BUREAU OF SAFETY PROGRAMS AND ENGINEERING AND SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 24" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FEET OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENT TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

**SEQUENCE OF CONSTRUCTION**

PRE-STAGE CONSTRUCTION

1. CONSTRUCT TEMPORARY SIDEWALK ON THE NORTH SIDE OF RAND ROAD BETWEEN ELK BOULEVARD AND HAWTHORNE LANE. LOCATION OF SIDEWALK IS SHOWN IN STAGE 1A STAGING PLANS.
2. TEMPORARY SIGNALS AT INTERSECTIONS SHALL BE INSTALLED DURING THIS PRE-STAGE.

STAGE 1 CONSTRUCTION

1. CONSTRUCT PROPOSED WATER MAIN WITH TEMPORARY WATER MAIN CONNECTION ATTACHED TO THE SOUTH SIDE OF THE BRIDGE PRIOR TO DEMOLISHING THE NORTH SIDE OF THE BRIDGE.
2. CONSTRUCT NORTH HALF OF THE STORM SYSTEM.
3. CONSTRUCT THE WESTBOUND RAND ROAD PAVEMENT, BRIDGE, SIDEWALKS, RETAINING WALLS, AND COMPENSATORY STORAGE AREA TO THE LIMITS SHOWN ON THE PLANS.
4. CONSTRUCT TEMPORARY PAVEMENT (TO BE REMOVED IN PHASE 3) IN LIEU OF PERMANENT CURB AND GUTTER AND SIDEWALK BETWEEN PROPOSED RETAINING WALL AND PROPOSED PAVEMENT CONSTRUCTED IN THIS PHASE. ENSURE PERMANENT DRAINAGE STRUCTURES AND PIPES ARE COMPLETED, EXCLUDING THE DRAINAGE TOPS, SPECIFICALLY WITHIN THE LIMITS OF THE TEMPORARY PAVEMENT. COVER INLETS WITH STEEL PLATES AND OVERLAY WITH TEMPORARY PAVEMENT AS NECESSARY.
5. CONSTRUCT A TEMPORARY SOIL RETENTION SYSTEM NEAR RAND ROAD CENTERLINE IN ORDER TO BUILD WESTBOUND PAVEMENT TO PROPOSED PROFILE GRADE.
6. PARTIALLY CONSTRUCT CONNECTION TO HAWTHORNE LANE.
7. CONSTRUCT THE SOUTHBOUND PORTION OF BALLARD ROAD TO THE LIMITS SHOWN ON THE PLANS.

STAGE 1 TRAFFIC

1. SHIFT WESTBOUND TRAFFIC TO SOUTH SIDE OF RAND ROAD WITH ONE 11' LANE IN EACH DIRECTION. SEPARATE TRAFFIC FROM WORK ZONE WITH DRUMS AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. SHIFT TRAFFIC TO HAWTHORNE LANE, PROVIDING ONE 10' LANE IN EACH DIRECTION EXCEPT DURING SHORT-TERM SINGLE LANE CLOSURES.
4. SHIFT TRAFFIC TO EAST SIDE OF BALLARD ROAD, PROVIDING ONE 10' LANE IN EACH DIRECTION.

STAGE 1B CONSTRUCTION

1. CONTINUE WORK ON WESTBOUND RAND ROAD.
2. CONSTRUCT REMAINING PORTION OF HAWTHORNE LANE.
3. CONSTRUCT THE NORTHBOUND PORTION OF BALLARD ROAD TO THE LIMITS SHOWN ON THE PLANS.

STAGE 1B TRAFFIC

1. RAND ROAD TRAFFIC REMAINS IN STAGE 1A CONFIGURATION.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. SHIFT TRAFFIC TO WEST SIDE OF HAWTHORNE LANE, PROVIDING ONE 10' LANE IN EACH DIRECTION EXCEPT DURING SHORT-TERM SINGLE LANE CLOSURES.
4. SHIFT TRAFFIC TO WEST SIDE OF BALLARD ROAD, PROVIDING ONE 10' LANE IN EACH DIRECTION.

STAGE 2 CONSTRUCTION

1. CONSTRUCT THE EASTBOUND RAND ROAD PAVEMENT, SIDEWALKS, RETAINING WALLS, AND COMPENSATORY STORAGE AREA TO THE LIMITS SHOWN ON THE PLANS.
2. CONSTRUCT PROPOSED CBH DRIVEWAY (WILSON LANE).
3. CONSTRUCT PROPOSED MULTI-USE PATH BETWEEN ELK BLVD AND SCHOOL ENTRANCE WHILE EXISTING SIDEWALK IS OPERATIONAL TO PROVIDE PEDESTRIAN ACCESS FOR SCHOOL AND CBH.
4. CONSTRUCT SOUTH HALF OF THE STORM SYSTEM.

**SEQUENCE OF CONSTRUCTION (CONTINUED)**

STAGE 2 TRAFFIC

1. SHIFT TRAFFIC TO NORTH SIDE OF RAND ROAD WITH ONE 11' LANE IN EACH DIRECTION. SEPARATE TRAFFIC FROM WORK ZONE WITH DRUMS AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. HAWTHORNE LANE IN PROPOSED CONFIGURATION.
4. CONSTRUCT TEMPORARY CBH WEST DRIVEWAY WIDENING AND CONNECTION TO PROPOSED RAND ROAD PAVEMENT.
5. EXISTING WILSON LANE DRIVEWAY IS CLOSED TO TRAFFIC.
6. MAINTAIN DES PLAINES RIVER TRAIL NORTH-SOUTH CONNECTION AT BALLARD ROAD.
7. THE EXISTING SIDEWALK SOUTH OF RAND ROAD AND WEST OF THE SCHOOL ENTRANCE REMAINS OPEN TO PROVIDE PEDESTRIAN ACCESS FOR SCHOOL AND CBH.
8. SHIFT PEDESTRIAN TRAFFIC TO NORTH SIDEWALK.

STAGE 2B CONSTRUCTION

1. CONSTRUCT PART OF THE SCHOOL ENTRANCE PAVEMENT.

STAGE 2B TRAFFIC

1. MOVE CBH ENTRANCE TRAFFIC TO PROPOSED DRIVEWAY.

STAGE 2C CONSTRUCTION

1. CONSTRUCT REMAINING EB PAVEMENT AND MULTI-USE PATH.

STAGE 2C TRAFFIC

1. MOVE SCHOOL ENTRANCE TRAFFIC TO THE WEST, PROVIDING TWO 10' LANES.

STAGE 3 CONSTRUCTION (NOT SHOWN)

1. REMOVE TEMPORARY PAVEMENT AND STEEL PLATES OVER PERMANENT DRAINAGE FEATURES CONSTRUCTED IN STAGE 1.
2. CONSTRUCT REMAINING PROPOSED SIDEWALK, CURB AND GUTTER, AND DRAINAGE INLET TOPS TO COMPLETE RAODSIDE FEATURES.
3. INSTALL FINAL PAVEMENT MARKINGS AND COMPLETE ANY REMAINING TRAFFIC SIGNAL WORK OR PUNCH LIST ITEMS.

STAGE 3 TRAFFIC (NOT SHOWN)

1. ALL TRAFFIC IN PROPOSED CONFIGURATION.

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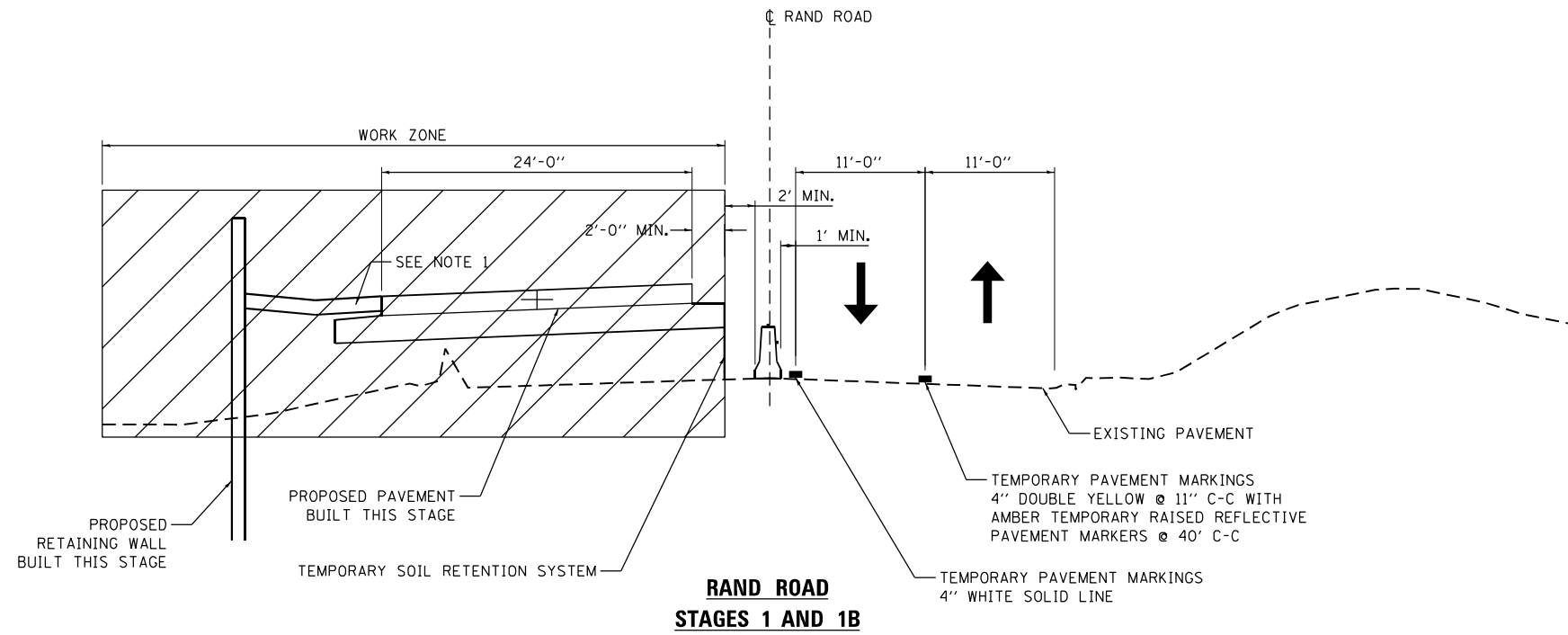
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**




**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
NOTES & SEQUENCE OF CONSTRUCTION**

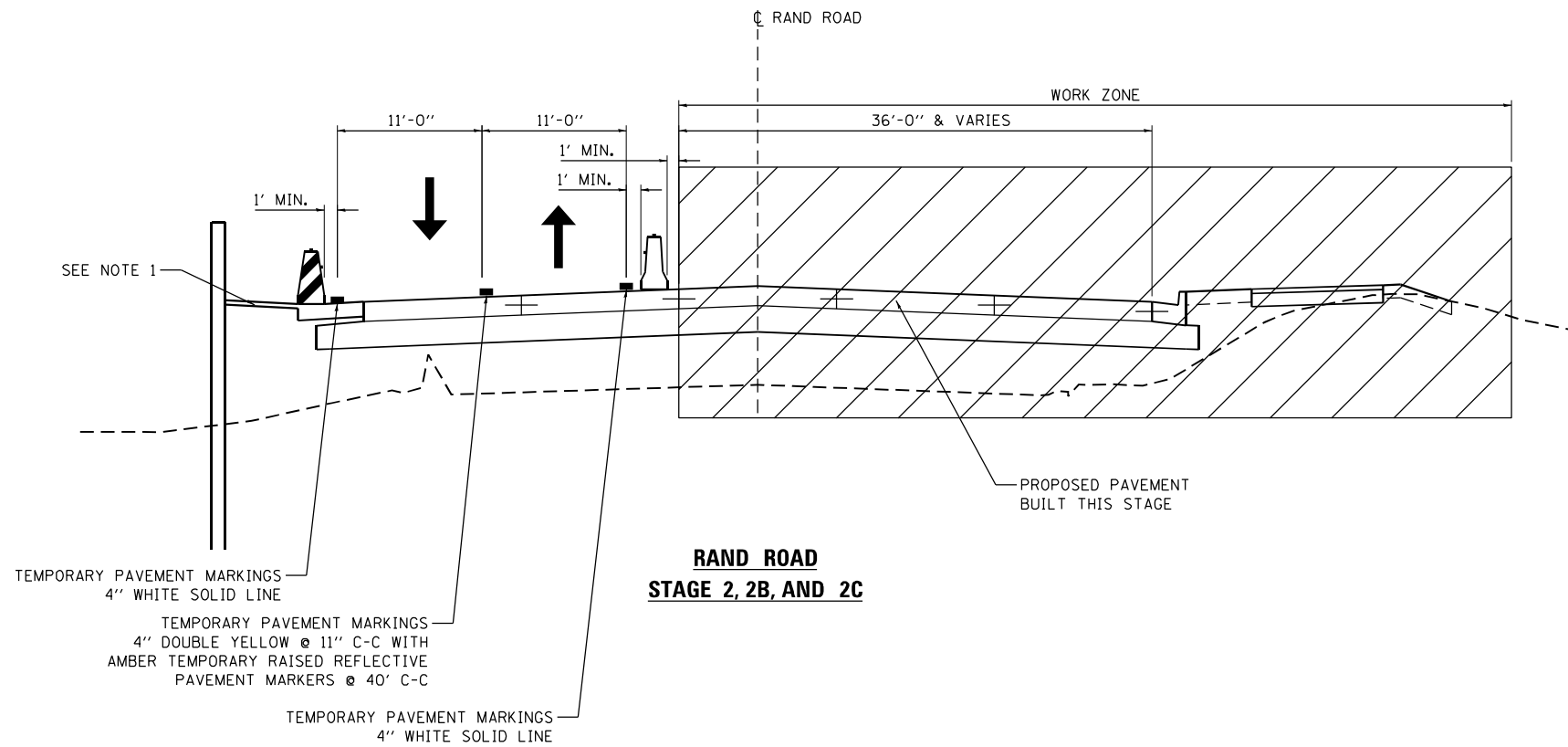
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	33
<b>CONTRACT NO. 60J10</b>				
ILLINOIS FED. AID PROJECT				



**LEGEND**

↑	DIRECTION OF TRAFFIC
	TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED CRYSTAL TYPE C REFLECTORS (STANDARD 704001) (RESTRAINED ON BRIDGE PER DETAIL R-27)
	TEMPORARY WATER FILLED BARRIER WITH DOUBLE SIDED CRYSTAL TYPE C REFLECTORS
	WORK ZONE



- NOTES**
- CONSTRUCT TEMPORARY PAVEMENT TO ACCOMMODATE A TEMPORARY SIDEWALK AND PART OF THE OUTSIDE LANE. PLACE TEMPORARY WATER FILLED BARRIER WITH TEMPORARY TEST LEVEL 2 IMPACT ATTENUATOR DURING STAGE 2 WHEN ADJACENT TO OPEN TRAFFIC. PERMANENT SIDEWALK AND CURB AND GUTTER CONSTRUCTED IN STAGE 3 (NOT SHOWN IN STAGING PLANS).

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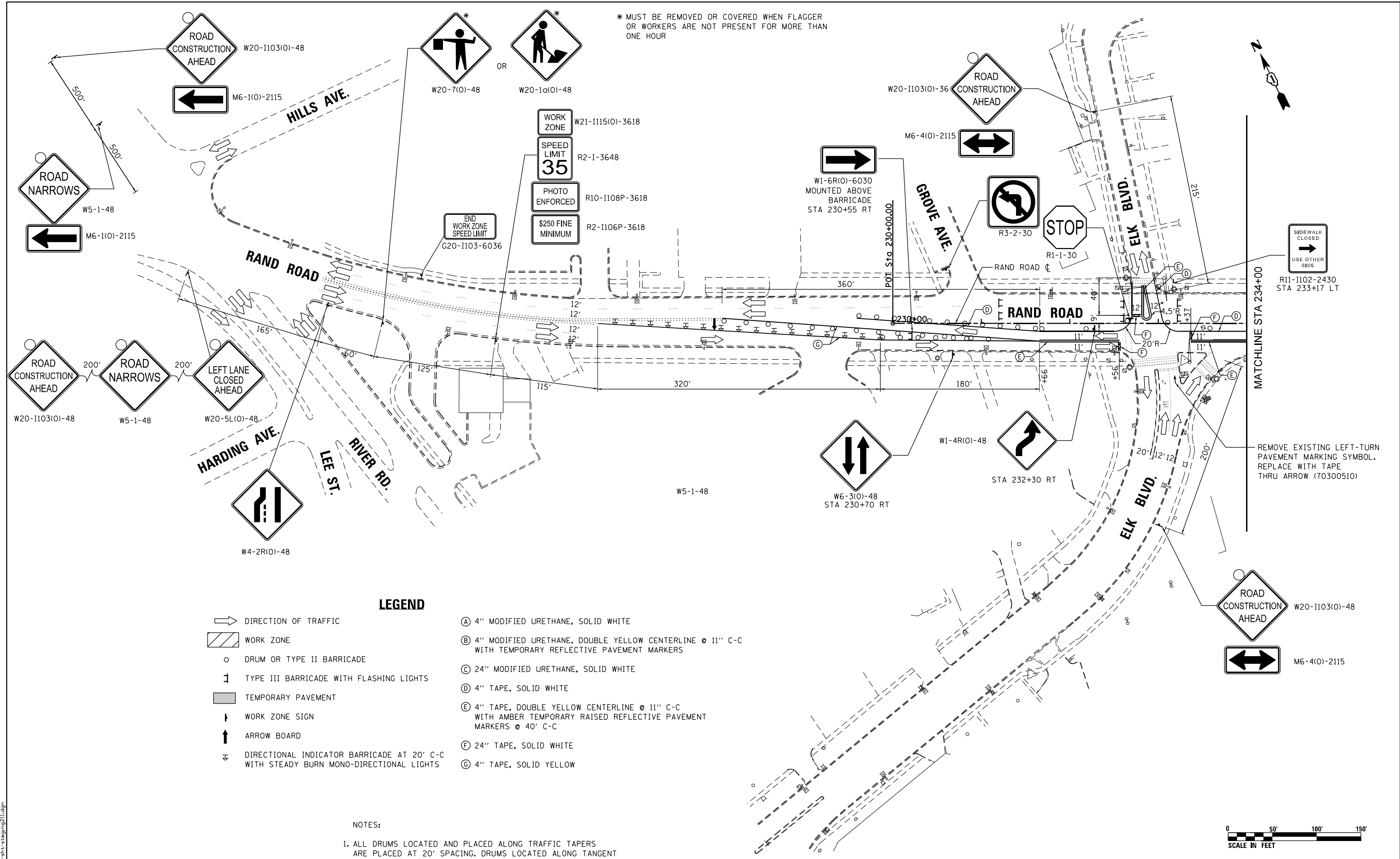
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
TYPICAL SECTIONS			
SCALE: NA	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	34
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

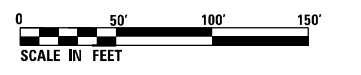
\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW

NOTES:  
 1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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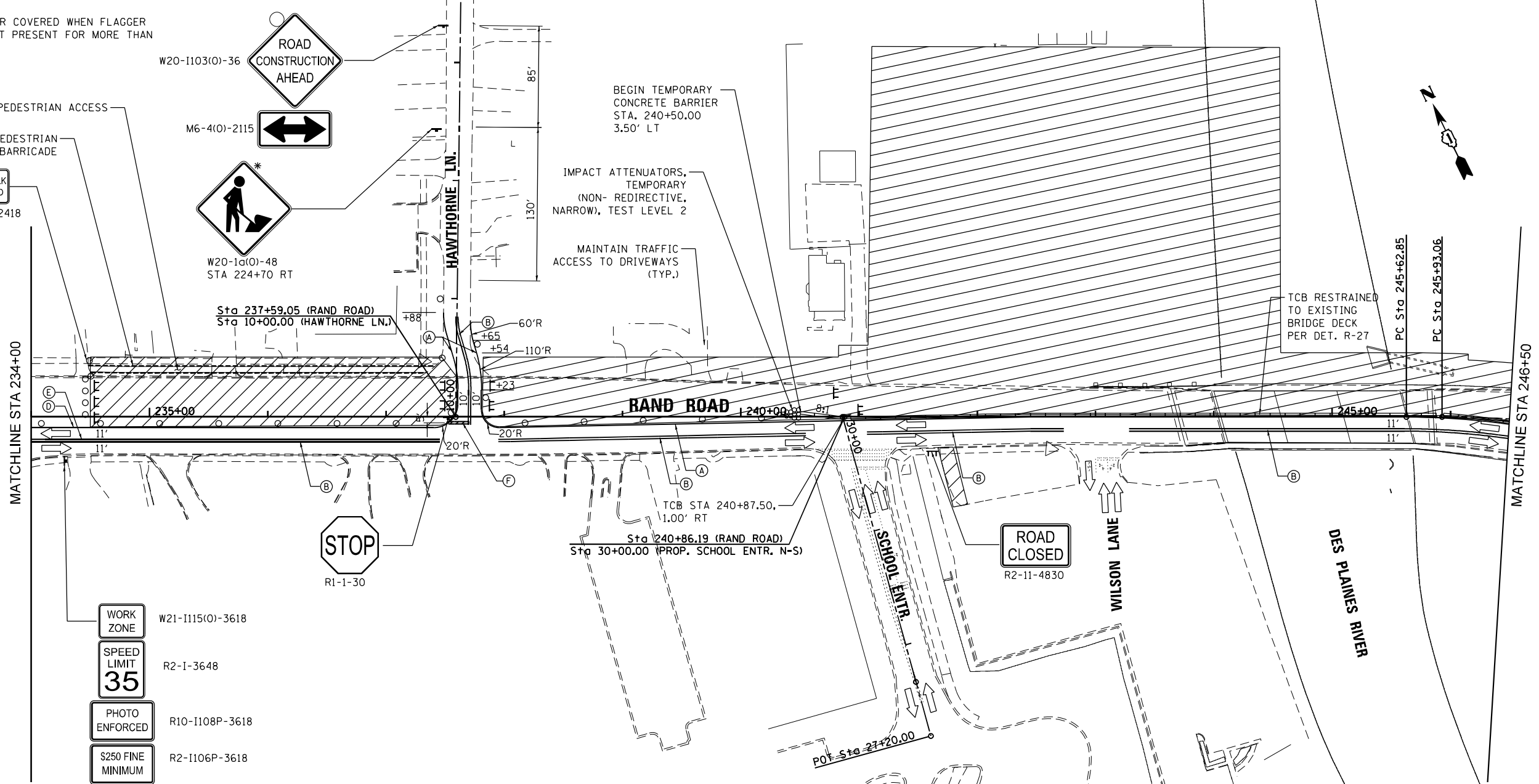
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 1			
SCALE: 1" = 50'	SHEET 1	OF 4 SHEETS	STA. 230+00.00 TO STA. 234+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	35
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

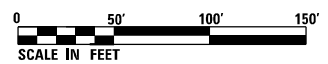


- WORK ZONE W21-1115(O)-3618
- SPEED LIMIT 35 R2-1-3648
- PHOTO ENFORCED R10-1108P-3618
- \$250 FINE MINIMUM R2-1106P-3618
- STA 234+30 RT

**LEGEND**

- DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌄ TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- ↑ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌄ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW

NOTES:  
 1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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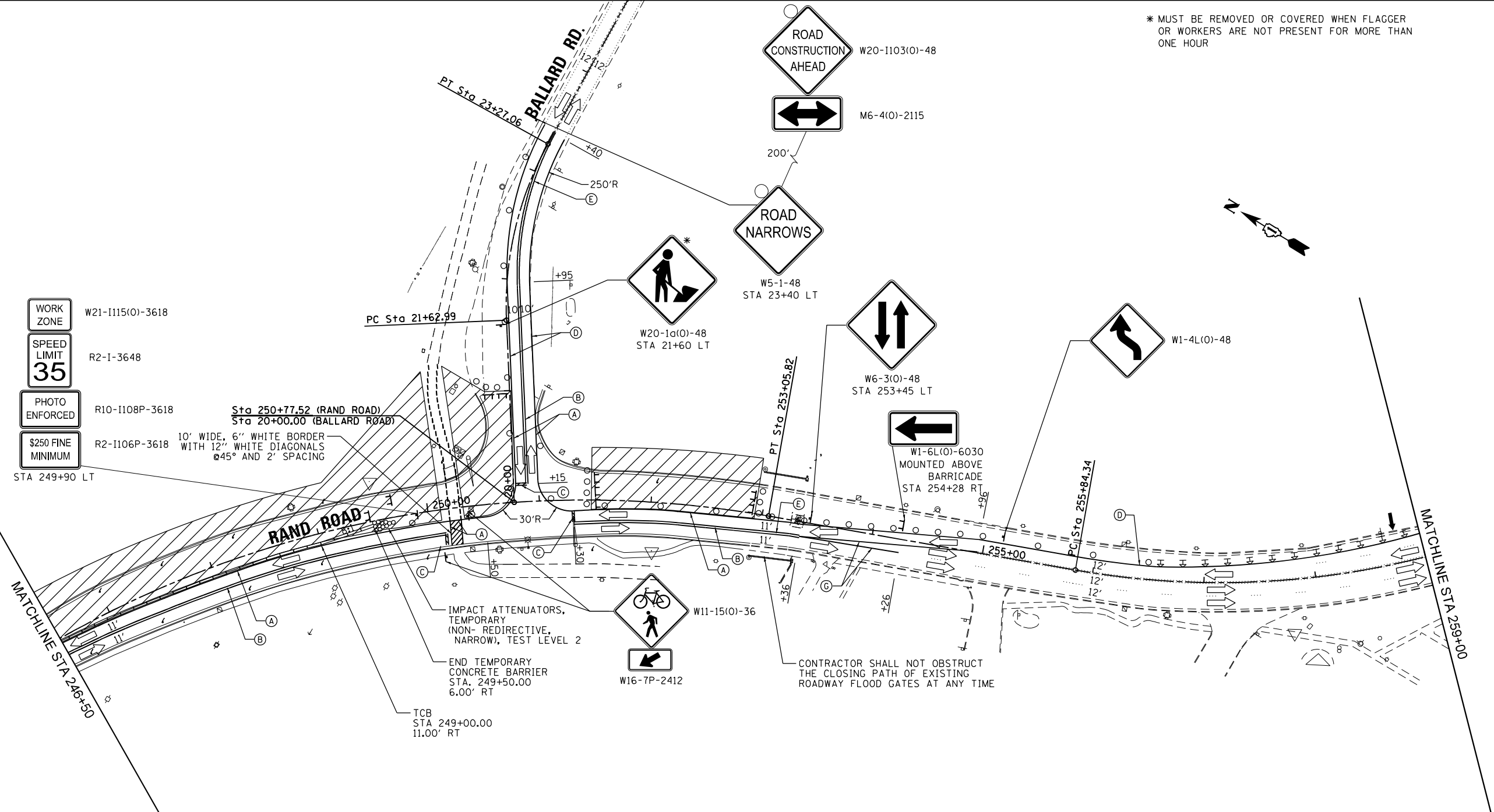
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 1			
SCALE: 1" = 50'	SHEET 2 OF 4 SHEETS	STA. 234+00.00 TO STA. 246+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	36
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

- WORK ZONE W21-I115(O)-3618
- SPEED LIMIT 35 R2-I-3648
- PHOTO ENFORCED R10-I108P-3618
- \$250 FINE MINIMUM R2-I106P-3618



10' WIDE, 6" WHITE BORDER WITH 12" WHITE DIAGONALS @45° AND 2' SPACING

IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2

END TEMPORARY CONCRETE BARRIER STA. 249+50.00 6.00' RT

TCB STA 249+00.00 11.00' RT

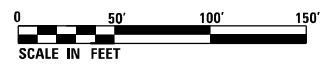
CONTRACTOR SHALL NOT OBSTRUCT THE CLOSING PATH OF EXISTING ROADWAY FLOOD GATES AT ANY TIME

**LEGEND**

- DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌄ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▭ TEMPORARY PAVEMENT
- ⌄ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌄ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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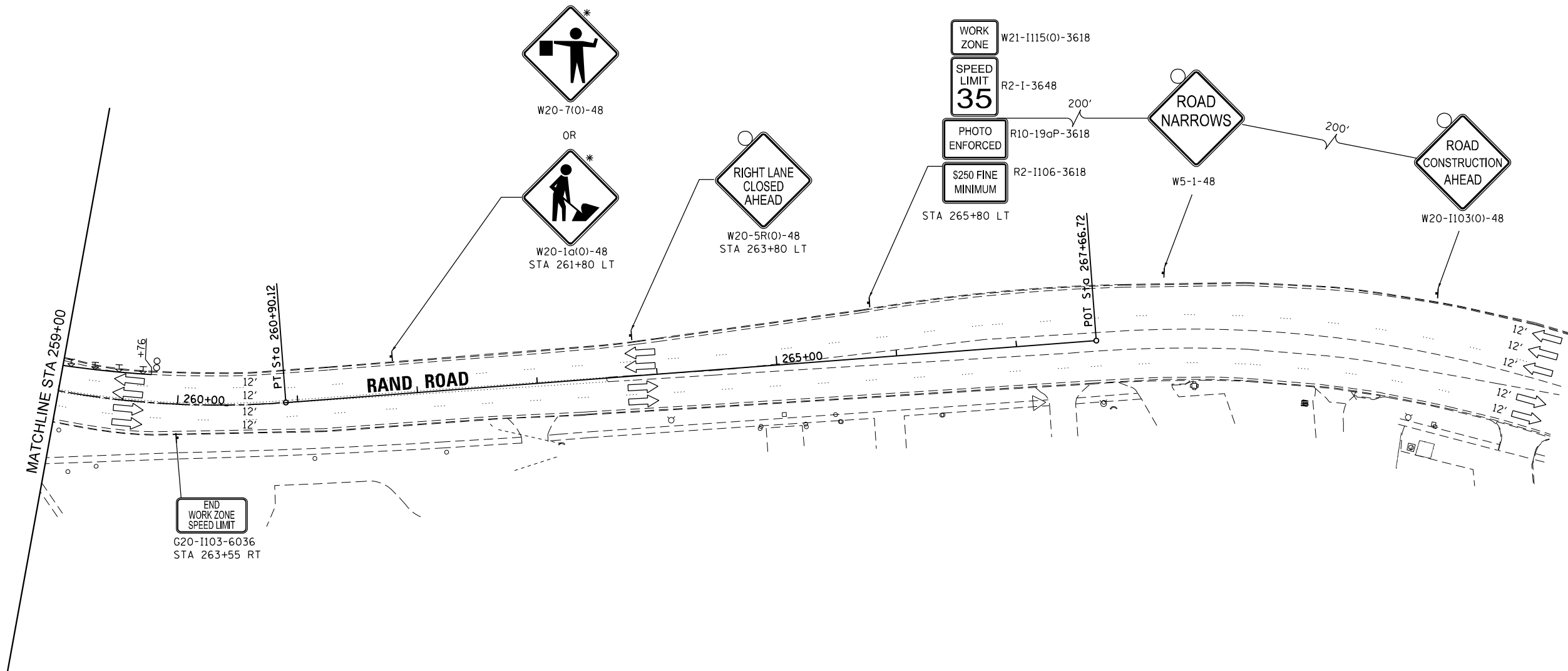
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1**

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 246+50.00 TO STA. 259+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	37
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌈ TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- ⌋ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⚡ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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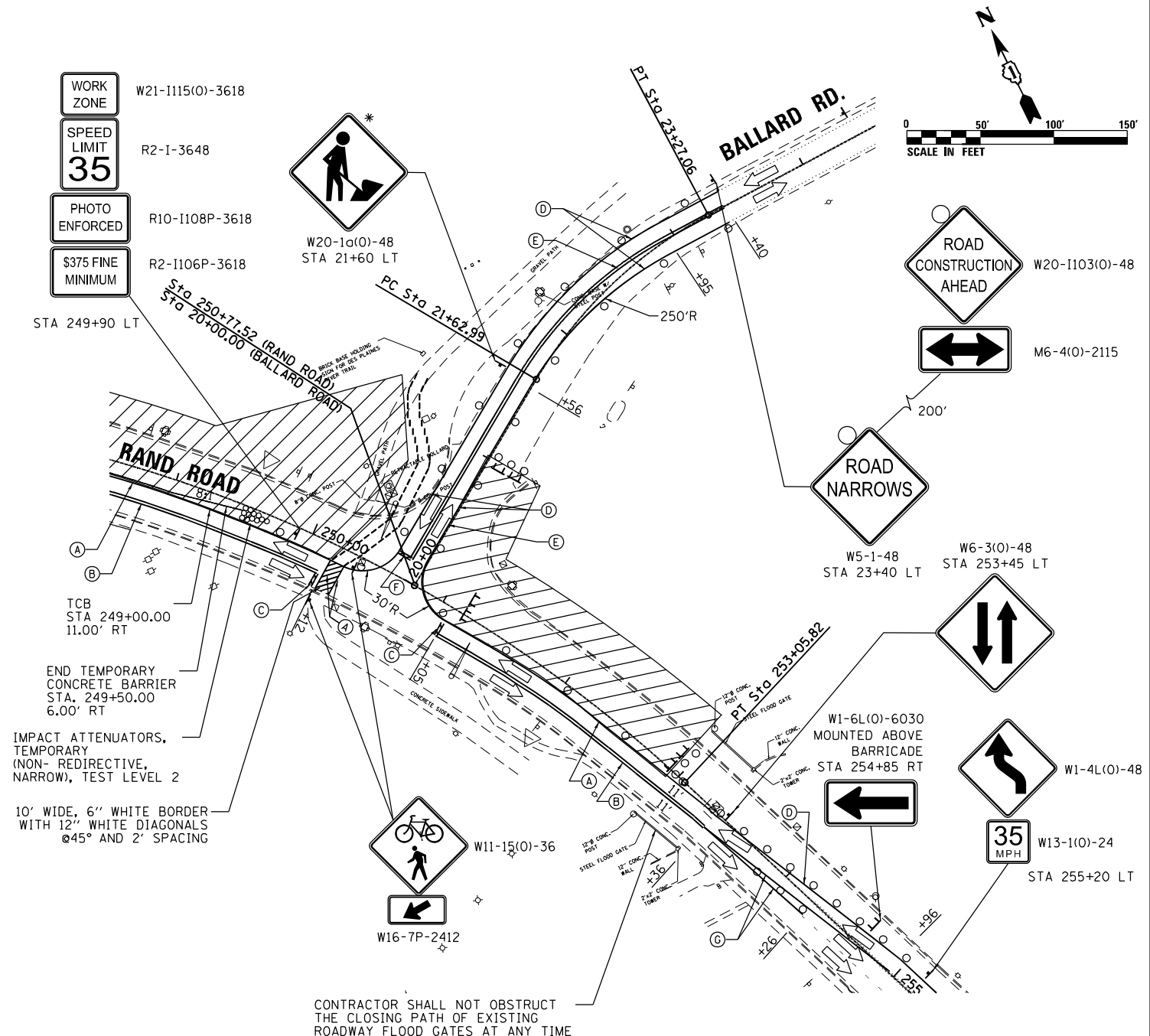
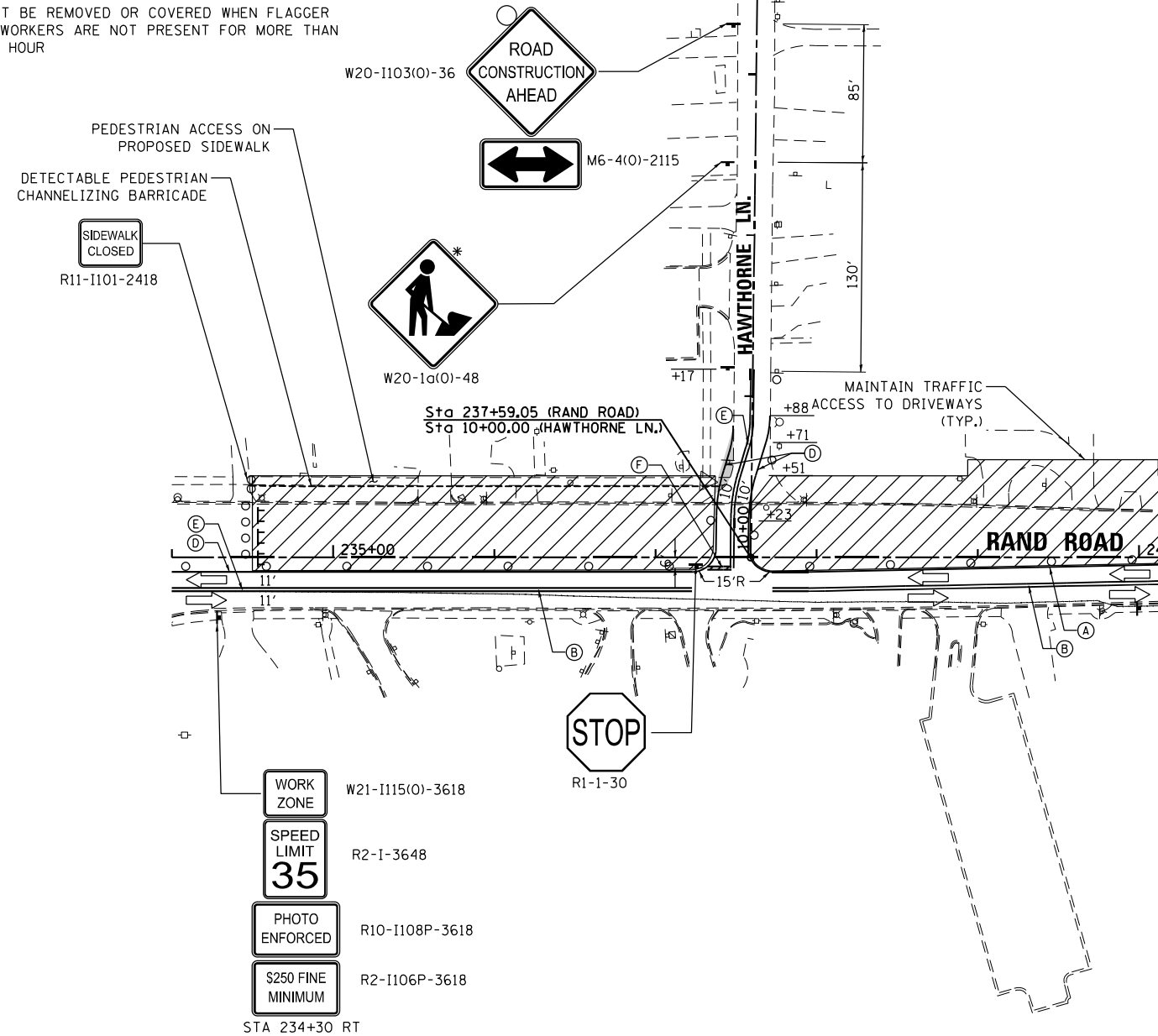
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1**

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 259+00.00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	38
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌚ TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- ⌚ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌚ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW

NOTES:  
1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.

FILE NAME = D:\60110-rt-11-11-2024.dgn



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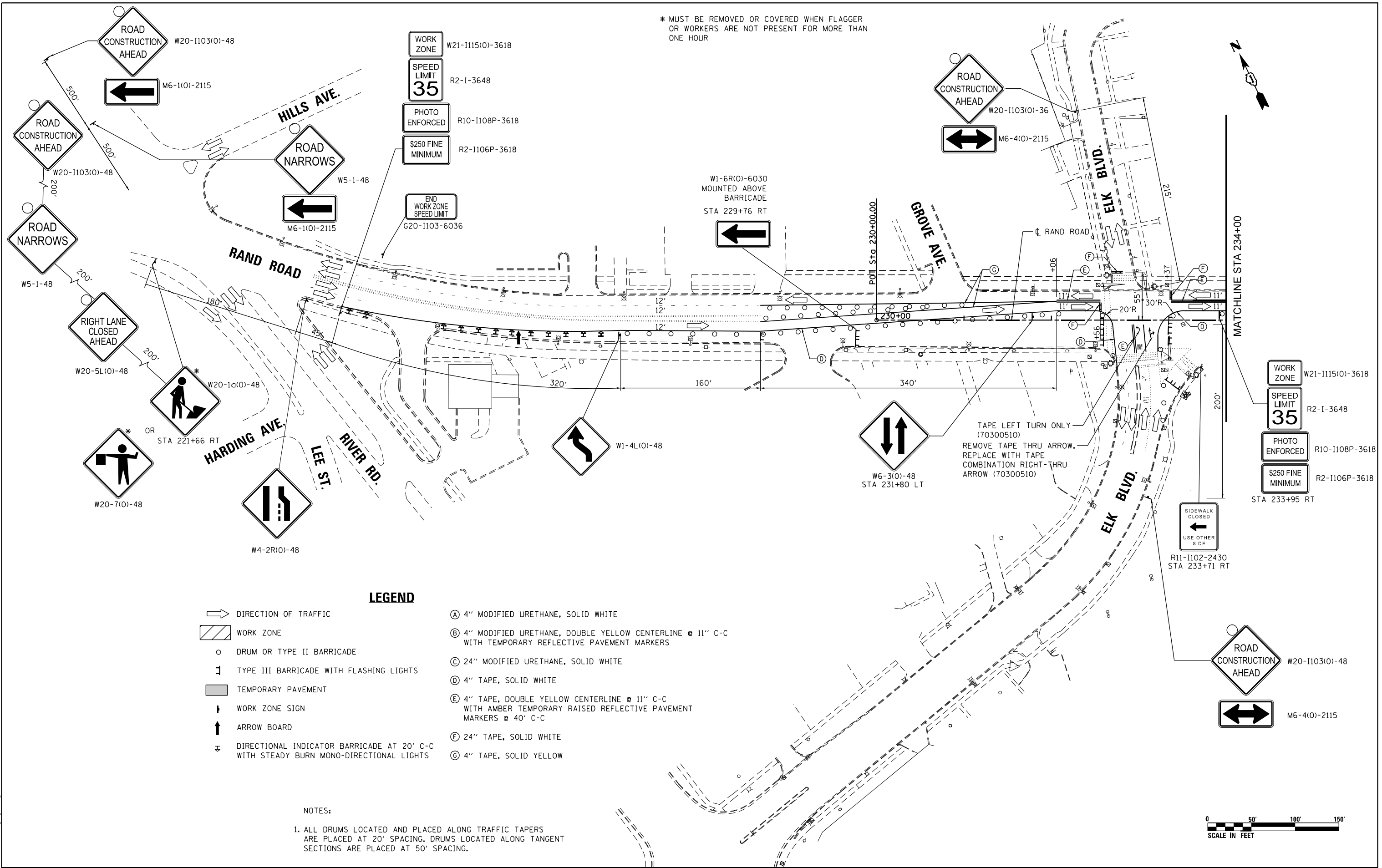
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1B**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	39
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW

NOTES:  
 1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.

FILE NAME = D:\62110-ht-staging\231.dgn



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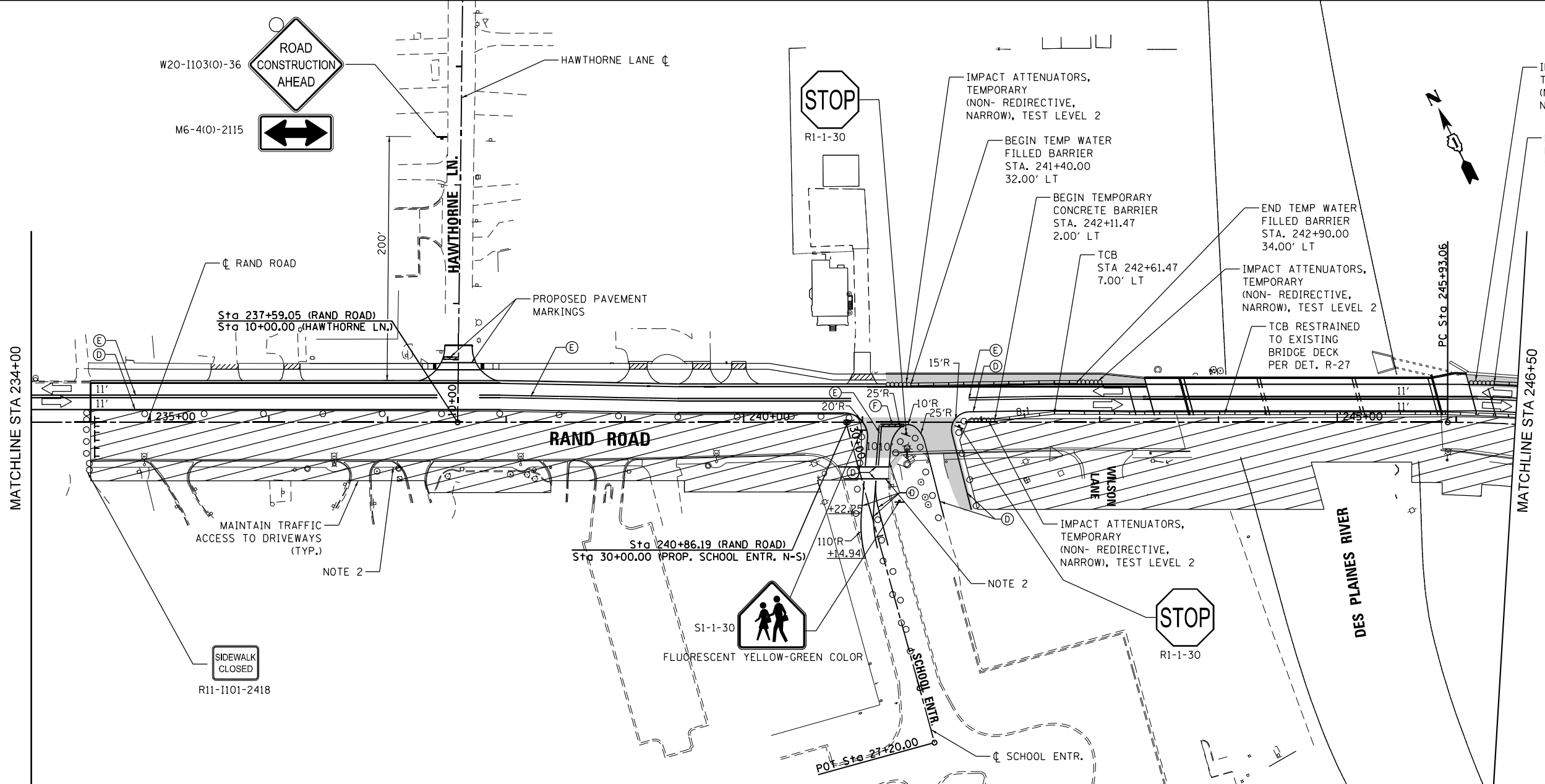
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
 STAGE 2**

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 230+00.00 TO STA. 234+00.00

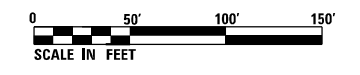
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	40
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





- LEGEND**
- ➔ DIRECTION OF TRAFFIC
  - ▨ WORK ZONE
  - DRUM OR TYPE II BARRICADE
  - ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
  - TEMPORARY PAVEMENT
  - ⊥ WORK ZONE SIGN
  - ↑ ARROW BOARD
  - ⊥ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
  - Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
  - Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
  - Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
  - Ⓓ 4" TAPE, SOLID WHITE
  - Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
  - Ⓕ 24" TAPE, SOLID WHITE
  - Ⓖ 4" TAPE, SOLID YELLOW

- NOTES:**
- ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
  - PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.



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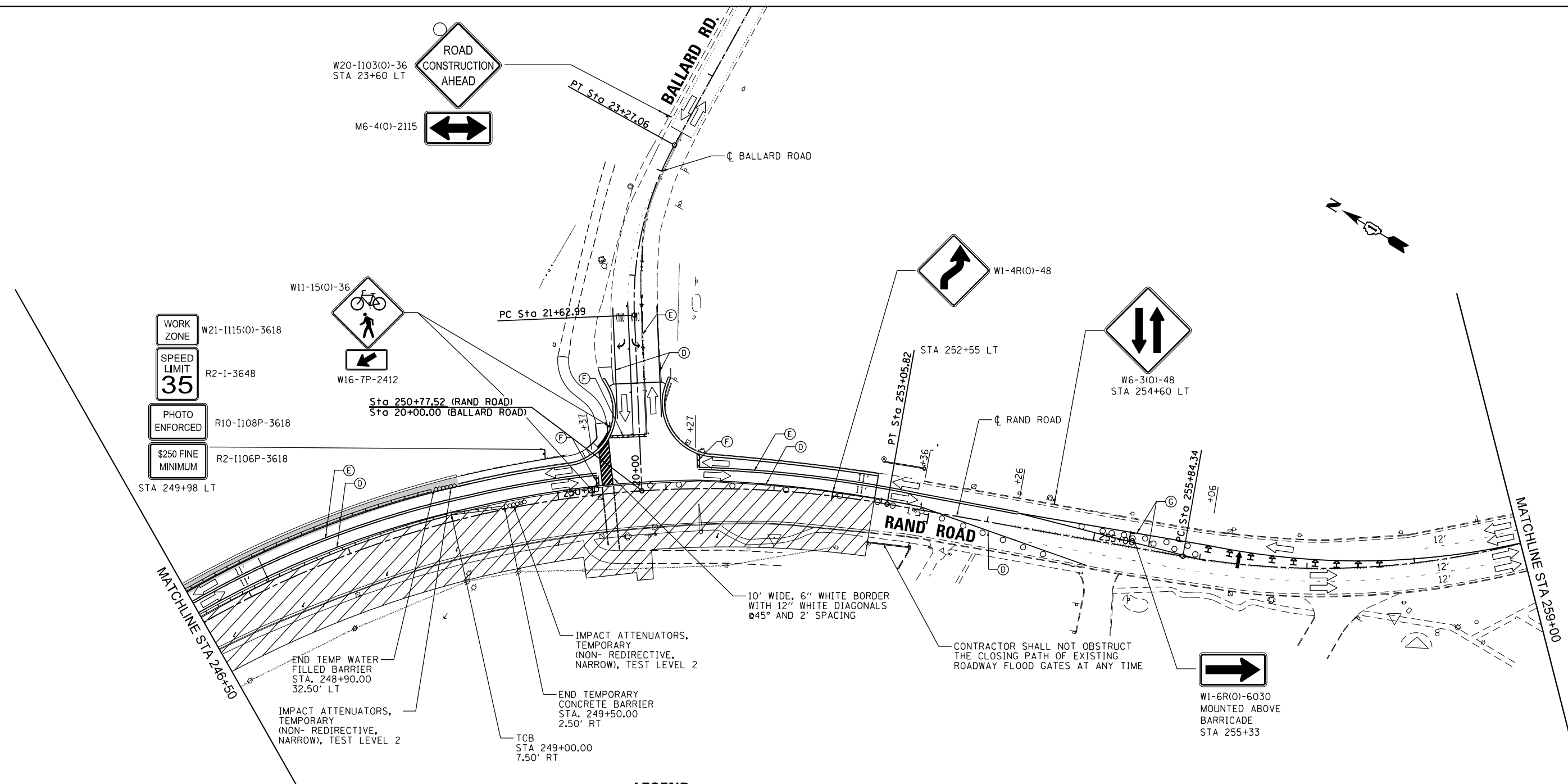
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

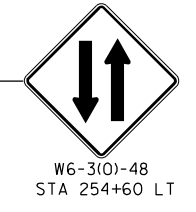
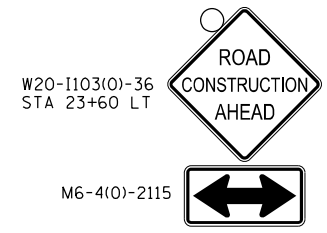
STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2			
SCALE: 1" = 50'	SHEET 2 OF 4 SHEETS	STA. 234+00.00 TO STA. 246+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	41
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\62110-ht-staging\233.dgn



- WORK ZONE W21-1115(O)-3618
- SPEED LIMIT 35 R2-I-3648
- PHOTO ENFORCED R10-1108P-3618
- \$250 FINE MINIMUM R2-1106P-3618

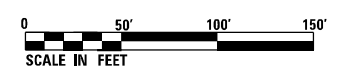


**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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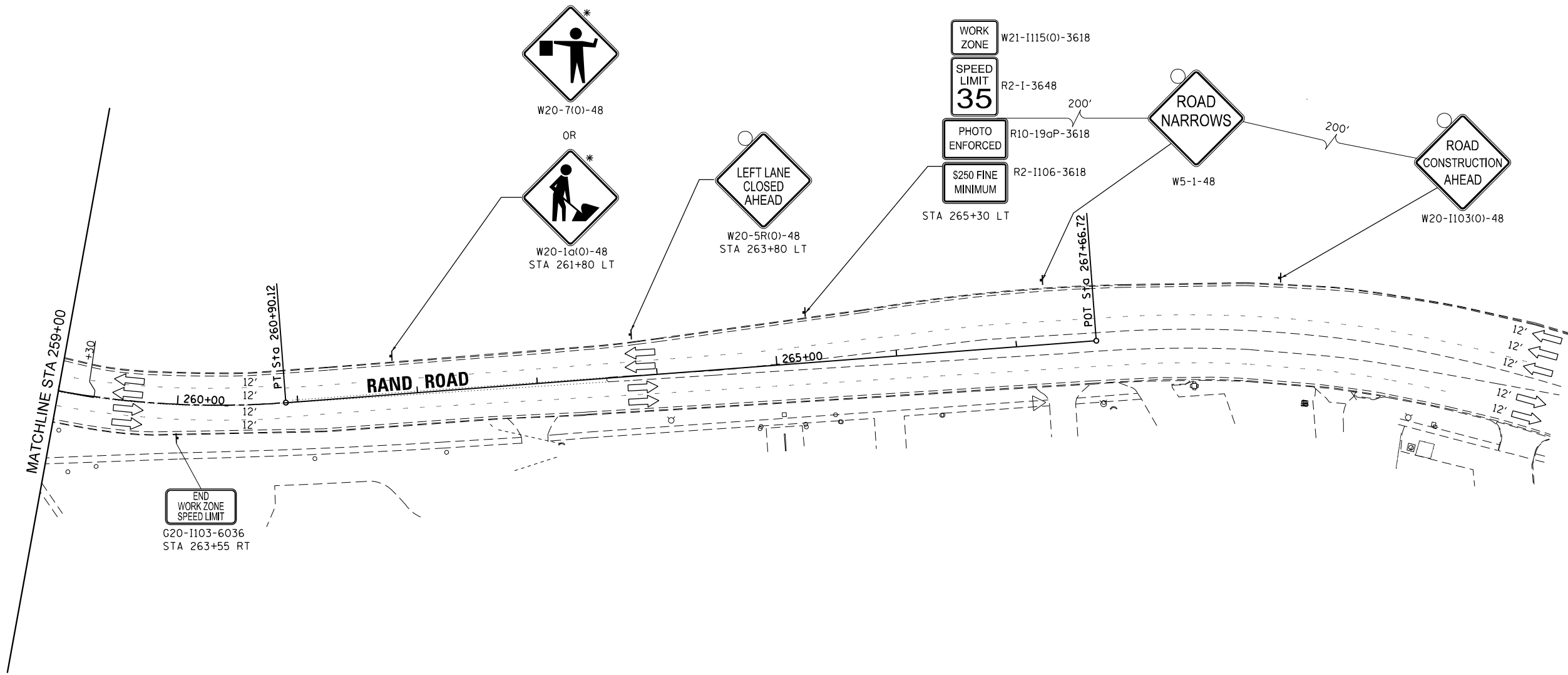
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2**

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 246+50.00 TO STA. 259+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	42
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



END WORK ZONE SPEED LIMIT  
G20-1103-6036  
STA 263+55 RT

**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- 4" MODIFIED URETHANE, SOLID WHITE
- 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- 24" MODIFIED URETHANE, SOLID WHITE
- 4" TAPE, SOLID WHITE
- 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- 24" TAPE, SOLID WHITE
- 4" TAPE, SOLID YELLOW

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



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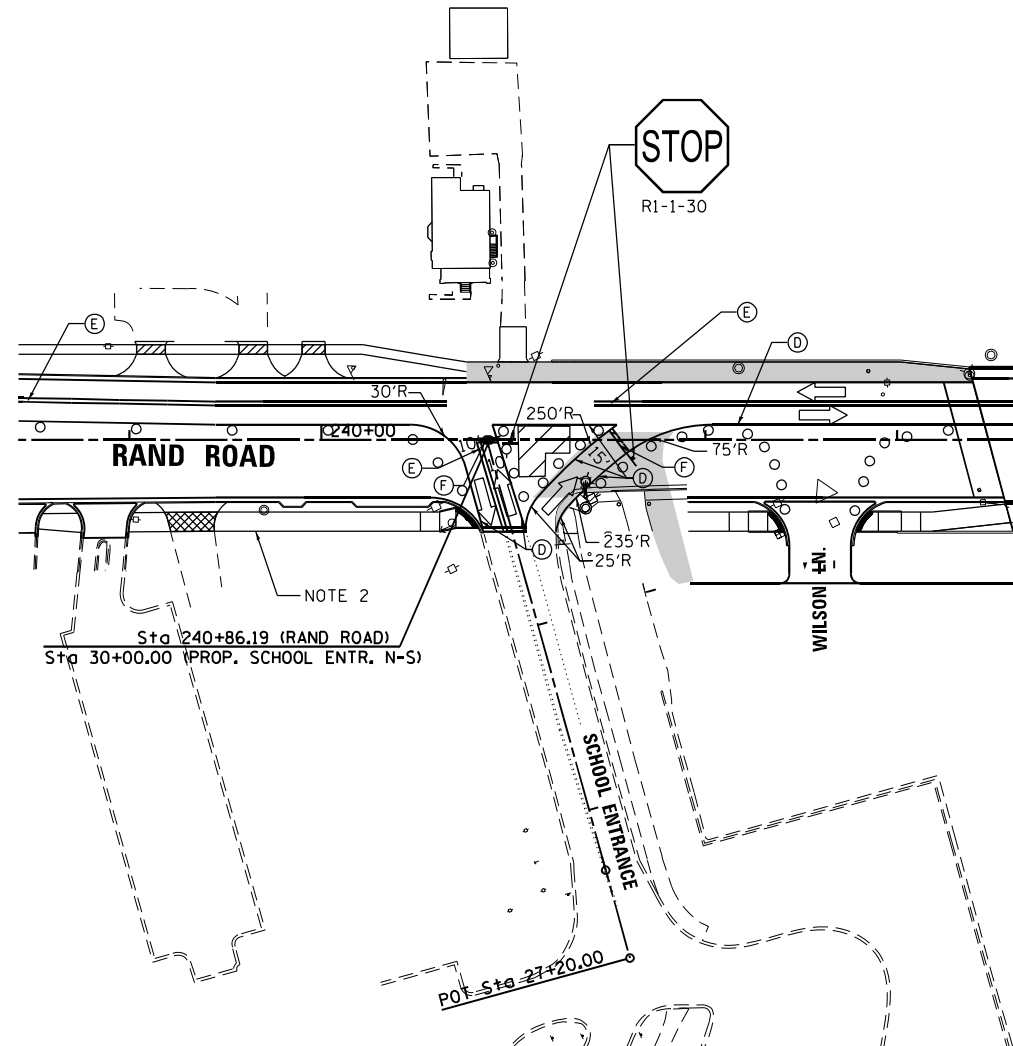
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2**

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 259+00.00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	43
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS

- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW

NOTES:

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
2. PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.

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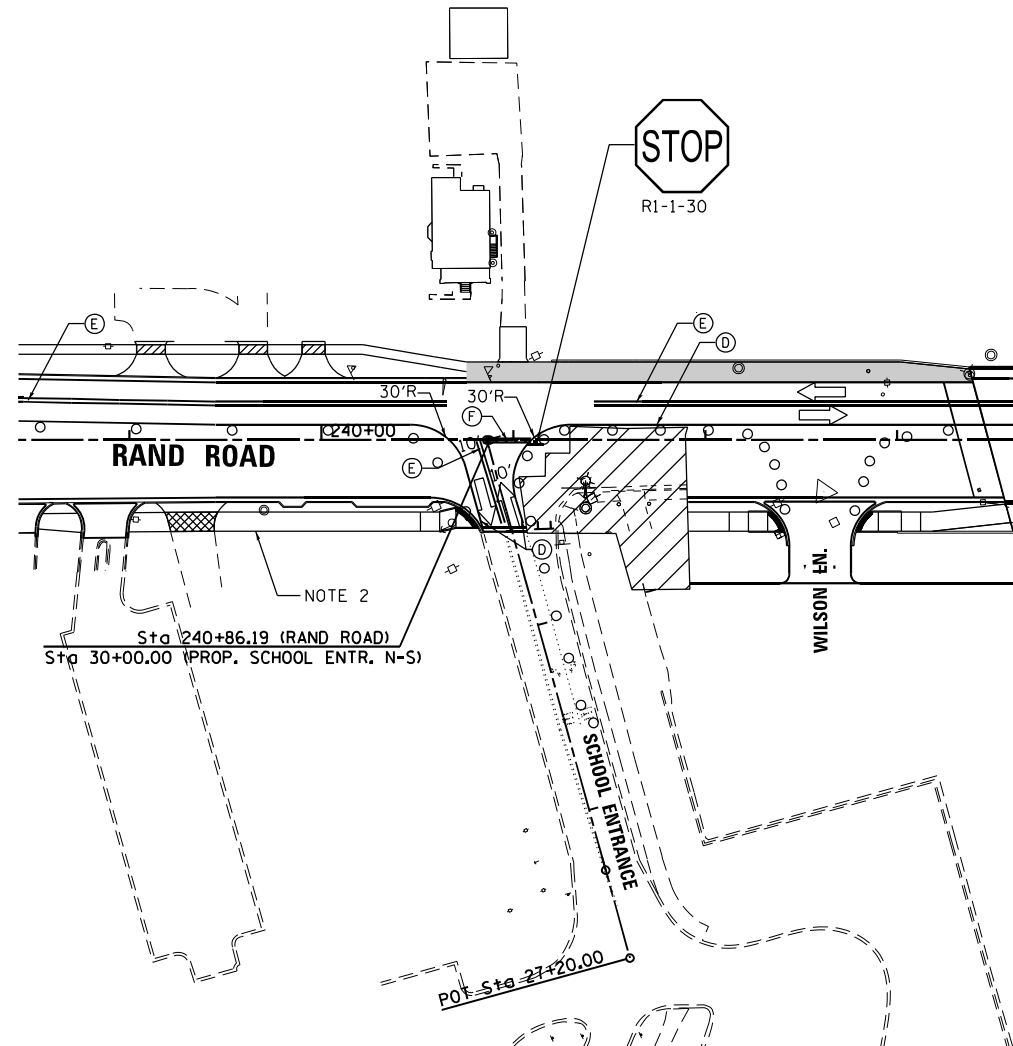
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2B**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	44
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- 4" MODIFIED URETHANE, SOLID WHITE
- 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- 24" MODIFIED URETHANE, SOLID WHITE
- 4" TAPE, SOLID WHITE
- 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- 24" TAPE, SOLID WHITE
- 4" TAPE, SOLID YELLOW

NOTES:

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
2. PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.

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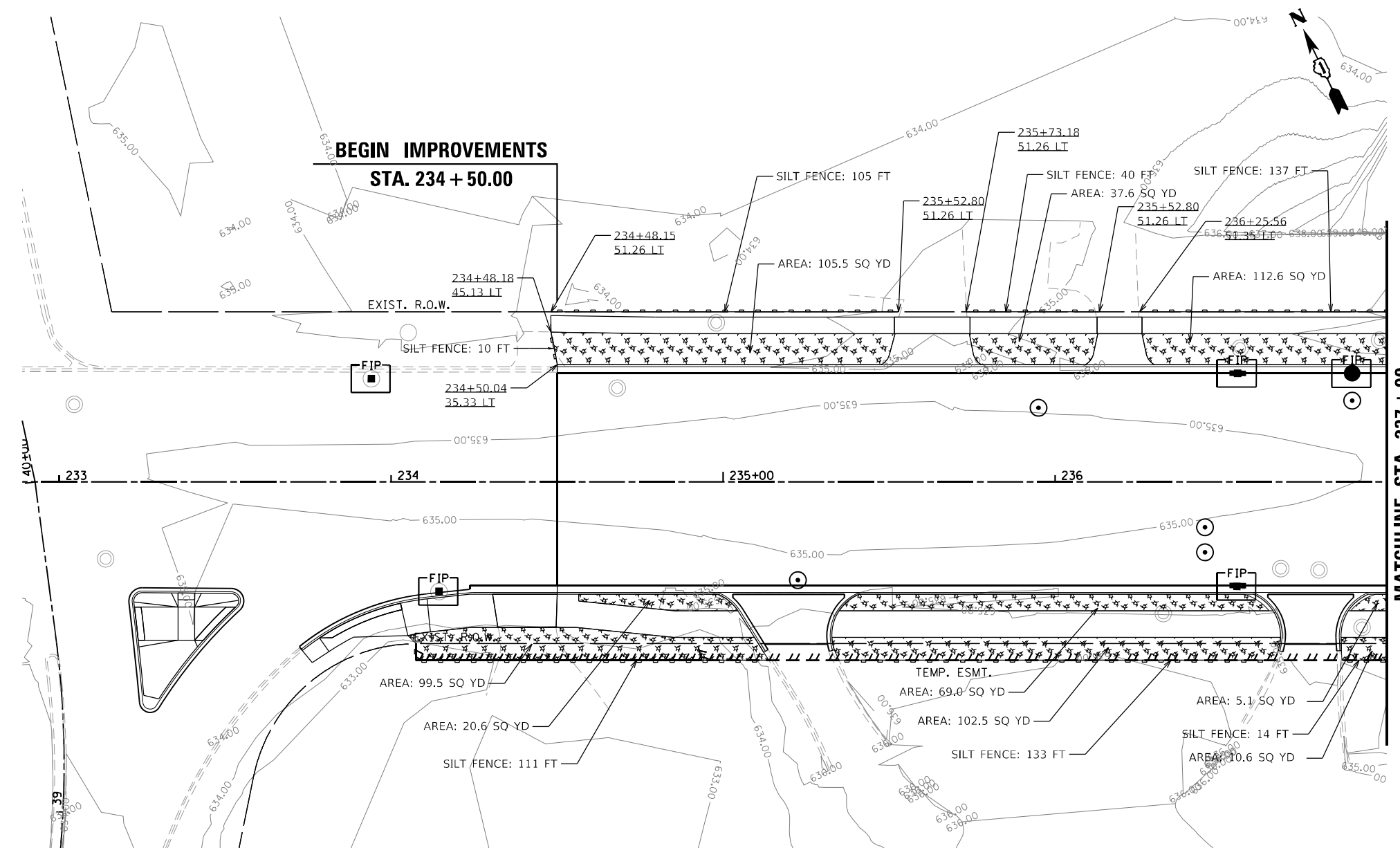
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2C**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	45
<b>CONTRACT NO. 60J10</b>				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  MULCH METHOD 2 (25100115)
-  SEEDING, CLASS 2 (25000200)
-  STONE RIPRAP, CLASS A3 (28100105)
-  PERIMETER EROSION BARRIER (SILT FENCE) (28000400)
-  INLET AND PIPE PROTECTION (28000500)
-  INLET FILTERS (28000510)
-  AGGREGATE DITCH CHECKS (28000315)
-  XXX - TEMPORARY CONSTRUCTION FENCE (Z0055905)



**EROSION AND SEDIMENT CONTROL NOTES**

1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING THE WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
3. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: <http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control/>.
4. THE CONTRACTOR SHOULD PROVIDE TO THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. 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 EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
5. 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.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY, BUT IN NO CASE MORE THAN ONE (1) DAY UPON COMPLETION OF DISTURBANCE, OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR FOURTEEN (14) DAYS OR MORE.
7. 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 RESIDENT ENGINEER.
8. EACH TEMPORARY PRACTICE UTILIZED IN THE EROSION AND SEDIMENT CONTROL PLAN SHOULD BE CHECKED ABOVE. ADDITIONALLY, A DESCRIPTION OF HOW THE PRACTICE WILL BE IMPLEMENTED SHOULD ALSO BE INCLUDED.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDING AT ONE TIME.
10. THIS PROJECT REQUIRES AN U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITIONS OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 2) WITH A BASIS OF PAYMENT OF EACH.
11. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY. WETLAND SIGNS SHALL BE RETURNED TO THE ROADSIDE DEVELOPMENT UNIT AT THE COMPLETION OF THE CONTRACT

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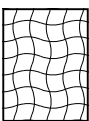

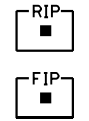
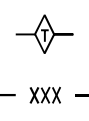





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

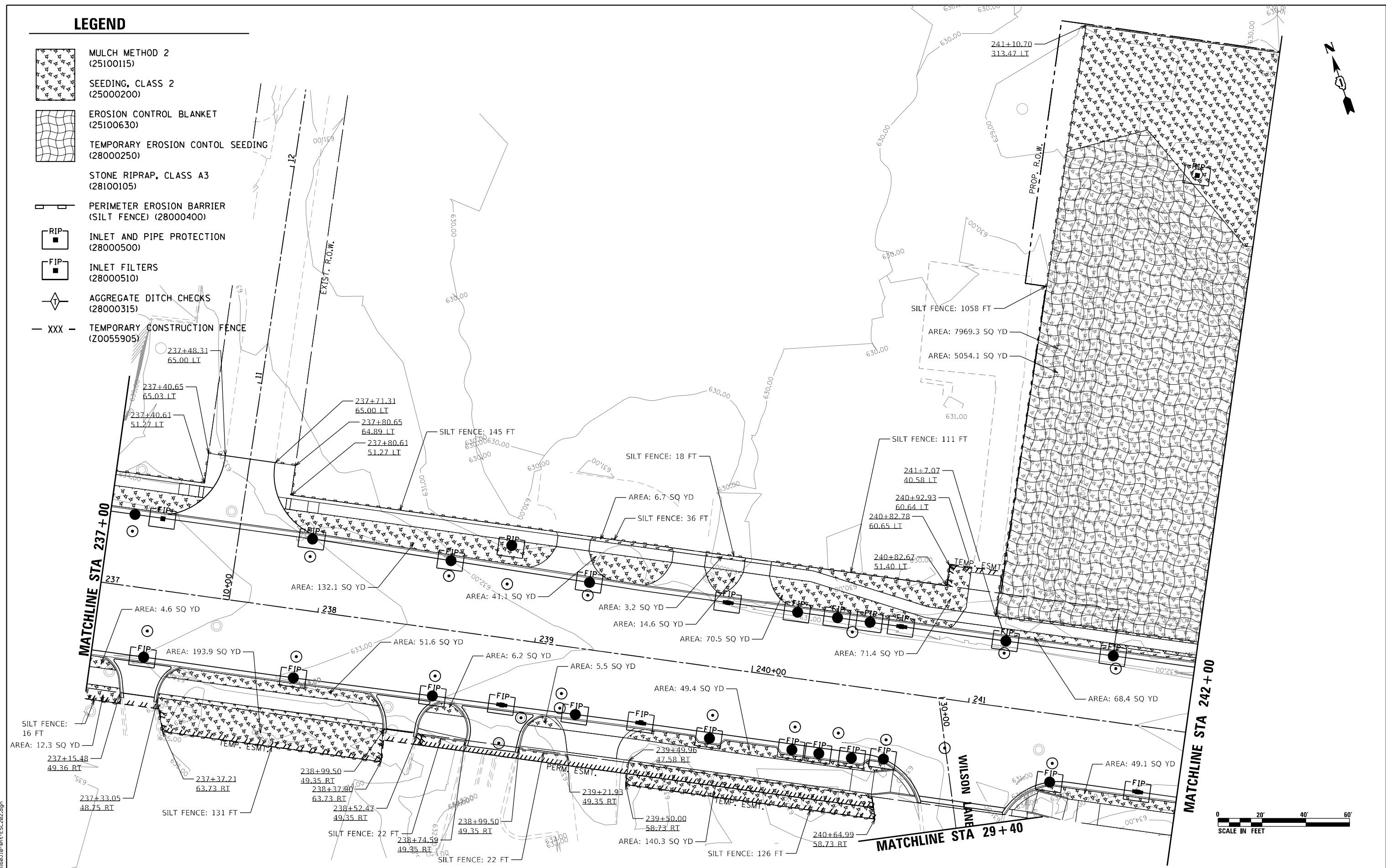
**EROSION AND SEDIMENT CONTROL**

SCALE: 1"=20' SHEET 1 OF 5 SHEETS STA. 234+50 TO STA. 237+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	46
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  MULCH METHOD 2 (25100115)
-  SEEDING, CLASS 2 (25000200)
-  EROSION CONTROL BLANKET (25100630)
-  TEMPORARY EROSION CONTROL SEEDING (28000250)
-  STONE RIPRAP, CLASS A3 (28100105)
-  PERIMETER EROSION BARRIER (SILT FENCE) (28000400)
-  INLET AND PIPE PROTECTION (28000500)
-  INLET FILTERS (28000510)
-  AGGREGATE DITCH CHECKS (28000315)
-  TEMPORARY CONSTRUCTION FENCE (20055905)



FILE NAME = D:\680110-ah+-ESC2022.dgn



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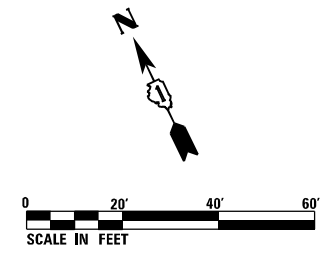
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL**












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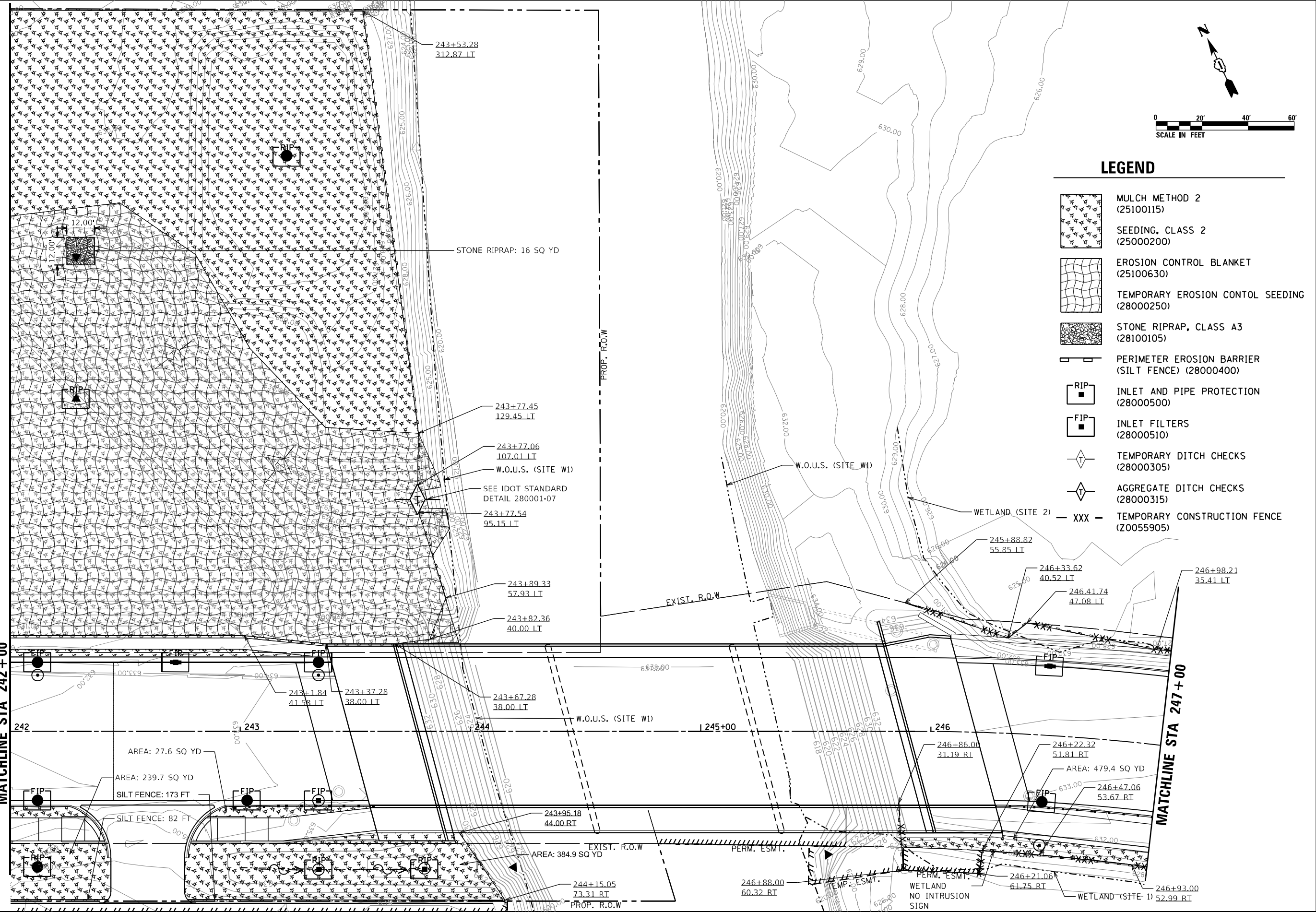
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	47
CONTRACT NO. 60J10				

ILLINOIS FED. AID PROJECT



**LEGEND**

-  MULCH METHOD 2 (25100115)
-  SEEDING, CLASS 2 (25000200)
-  EROSION CONTROL BLANKET (25100630)
-  TEMPORARY EROSION CONTROL SEEDING (28000250)
-  STONE RIPRAP, CLASS A3 (28100105)
-  PERIMETER EROSION BARRIER (SILT FENCE) (28000400)
-  RIP ■ INLET AND PIPE PROTECTION (28000500)
-  FIP ■ INLET FILTERS (28000510)
-  ◇ TEMPORARY DITCH CHECKS (28000305)
-  ◇ AGGREGATE DITCH CHECKS (28000315)
-  -XXX- TEMPORARY CONSTRUCTION FENCE (20055905)



FILE NAME = D:\60110-ah+-ESC203.dgn



USER NAME = EtwileE	DESIGNED - PDB	REVISED -
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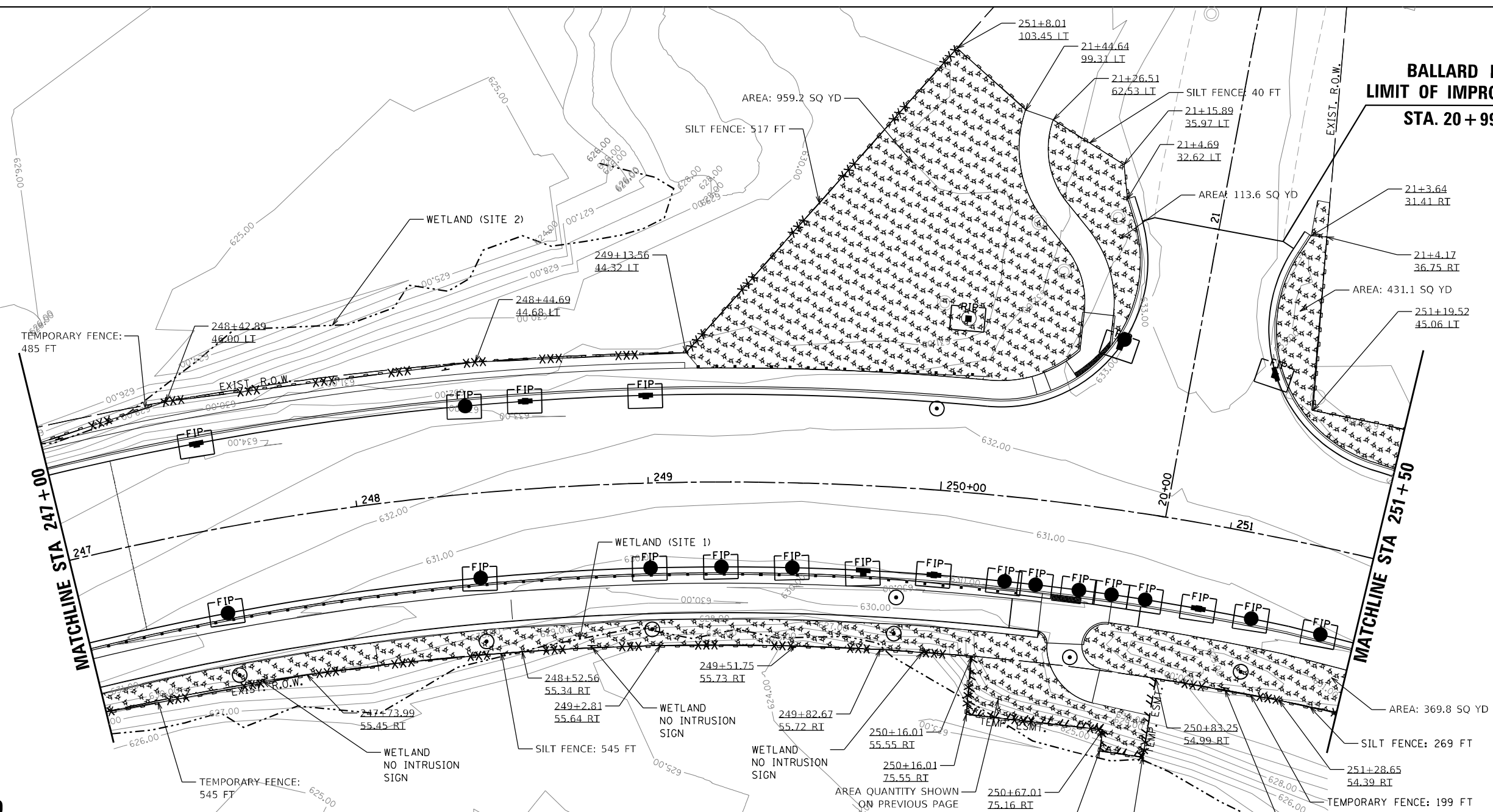
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL**









SCALE: 1"=20'    SHEET 3 OF 5 SHEETS    STA. 242+00 TO STA. 247+00

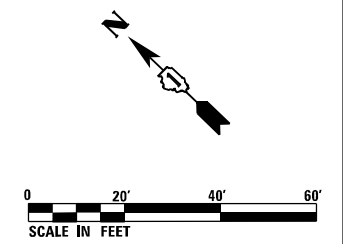
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	48
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**BALLARD ROAD  
LIMIT OF IMPROVEMENTS  
STA. 20 + 99.95**



**LEGEND**

-  MULCH METHOD 2 (25100115)
-  SEEDING, CLASS 2 (25000200)
-  STONE RIPRAP, CLASS A3 (28100105)
-  PERIMETER EROSION BARRIER (SILT FENCE) (28000400)
-  INLET AND PIPE PROTECTION (28000500)
-  INLET FILTERS (28000510)
-  AGGREGATE DITCH CHECKS (28000315)
-  XXX - TEMPORARY CONSTRUCTION FENCE (Z0055905)



FILE NAME = D:\60J10-ah+-ESC\204.dgn



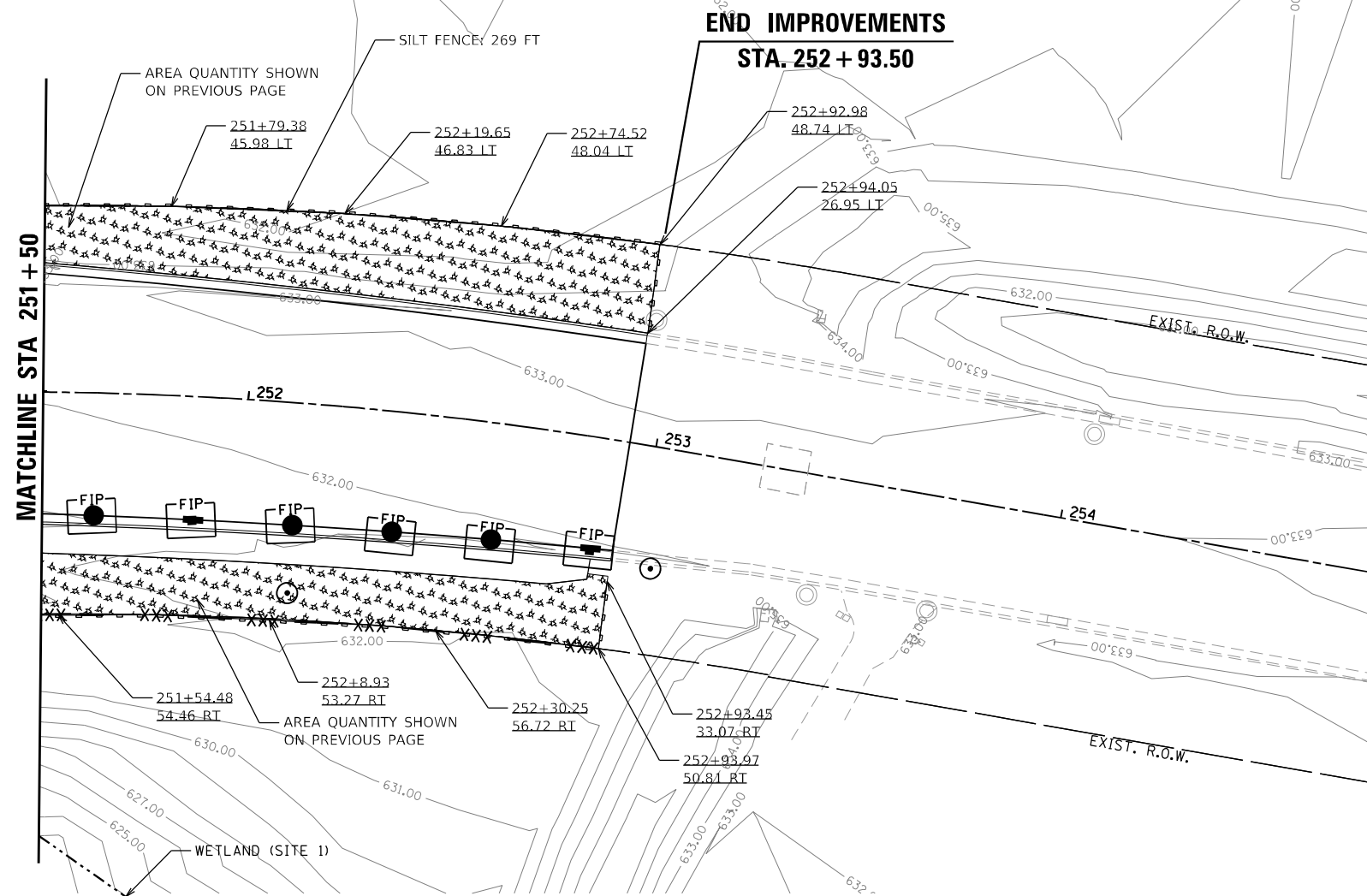
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PLOT SCALE = 40.0000' / in.	DRAWN - PDB	REVISED -
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	DATE - 3/18/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

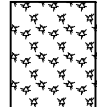
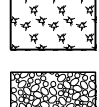
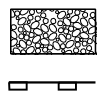
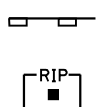
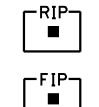
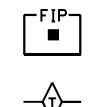
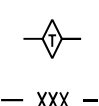

**EROSION AND SEDIMENT CONTROL**

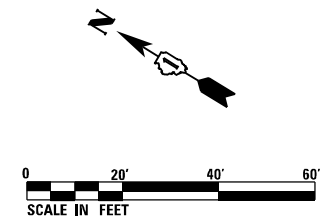
SCALE: 1"=20' SHEET 4 OF 5 SHEETS STA. 247+00 TO STA. 251+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	49
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  MULCH METHOD 2 (25100115)
-  SEEDING, CLASS 2 (25000200)
-  STONE RIPRAP, CLASS A3 (28100105)
-  PERIMETER EROSION BARRIER (SILT FENCE) (28000400)
-  INLET AND PIPE PROTECTION (28000500)
-  INLET FILTERS (28000510)
-  AGGREGATE DITCH CHECKS (28000315)
-  XXX - TEMPORARY CONSTRUCTION FENCE (Z0055905)



FILE NAME = D:\60J10-ah+-ESC205.dgn



USER NAME = EtwileE	DESIGNED - PDB	REVISED -
	DRAWN - PDB	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL**

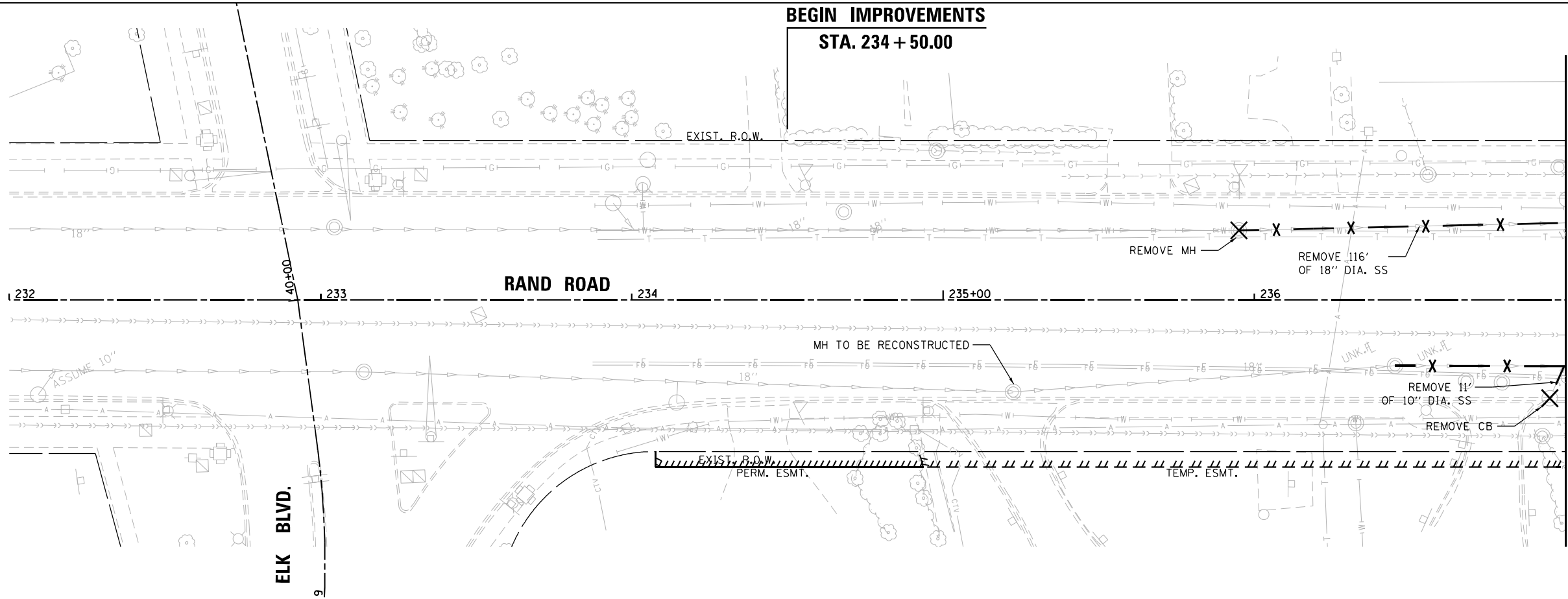
SCALE: 1"=20' SHEET 5 OF 5 SHEETS STA. 251+50 TO STA. 254+78

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	50
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

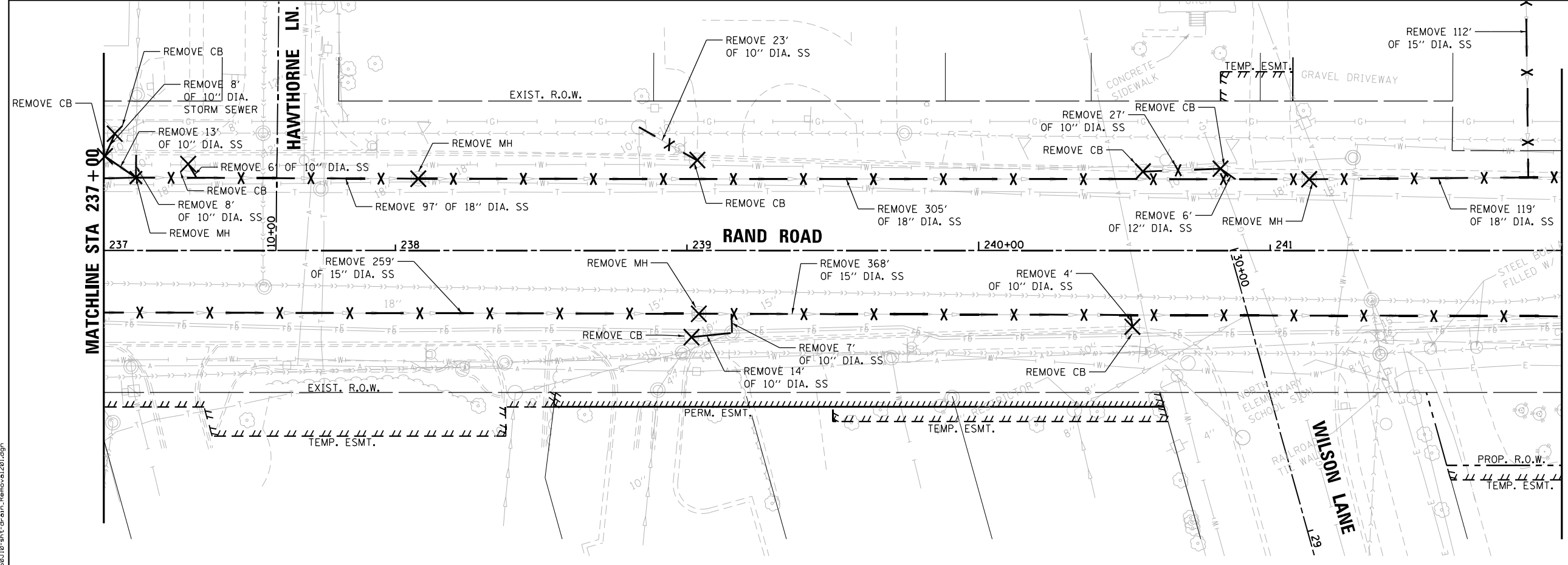


BEGIN IMPROVEMENTS

STA. 234 + 50.00



MATCHLINE STA 237 + 00



MATCHLINE STA 242 + 00

LEGEND

- X — X PIPE REMOVAL
- X DRAINAGE STRUCTURE REMOVAL

FILE NAME = D:\080110-shr-drain-Removal\201.dgn



USER NAME = EtwileE	DESIGNED - PDB	REVISED -
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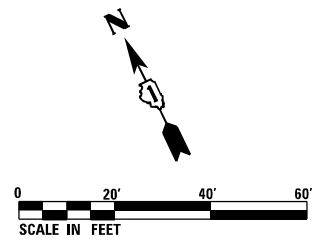
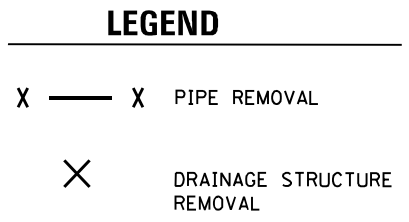
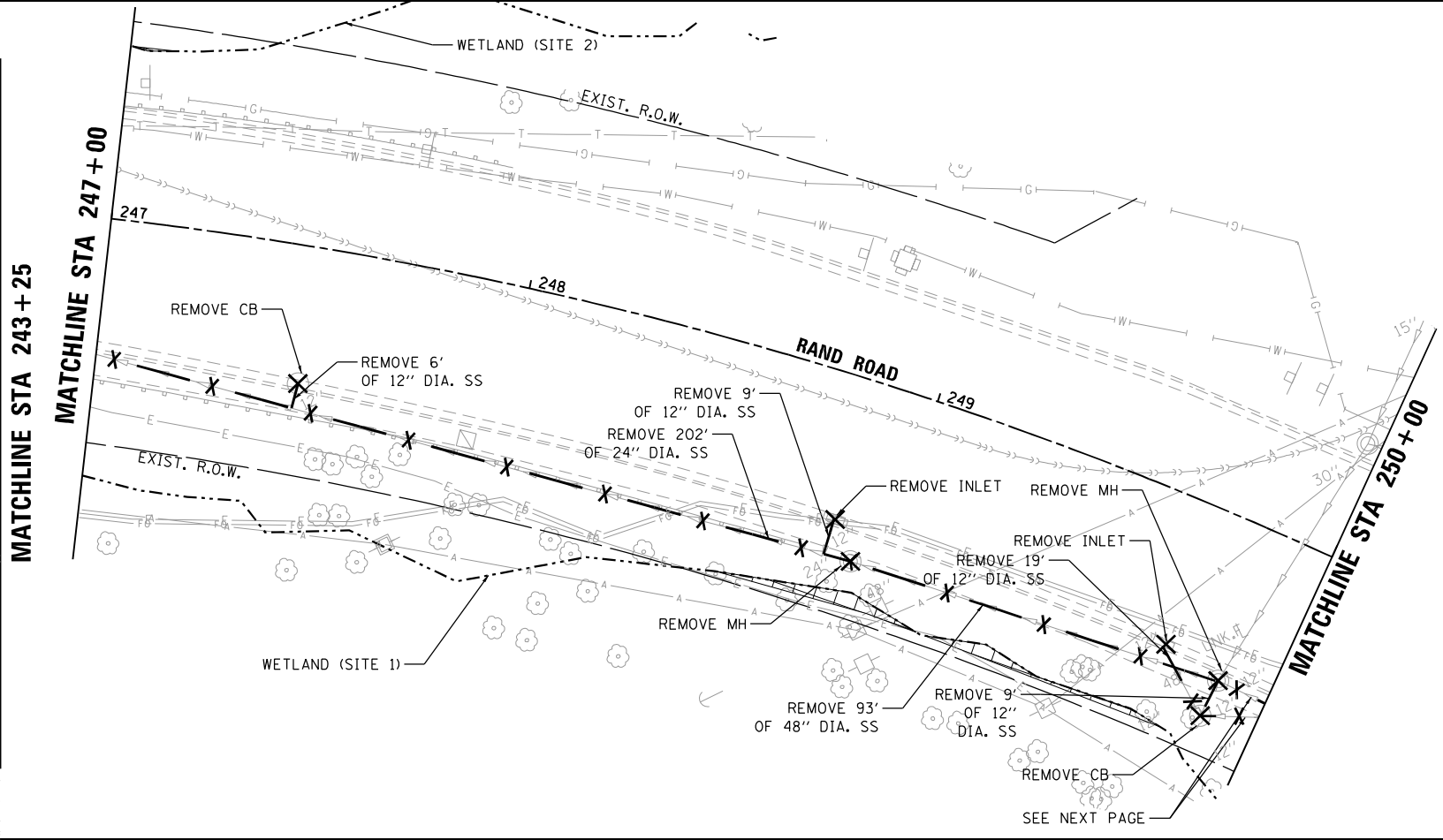
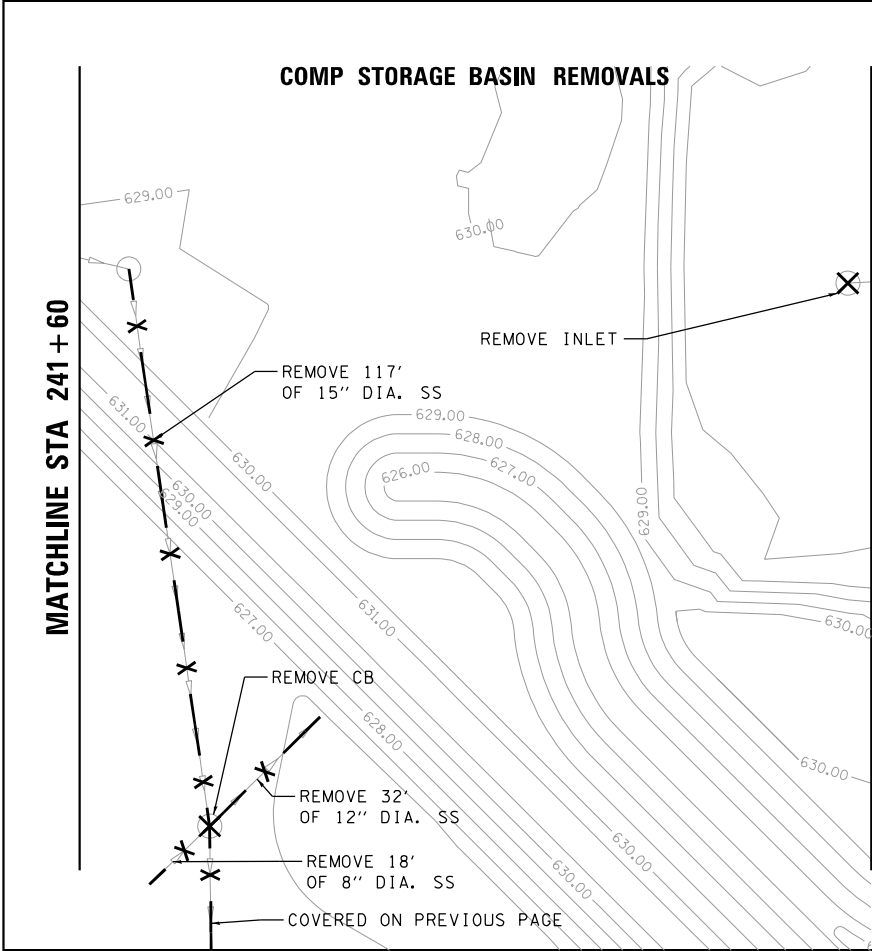
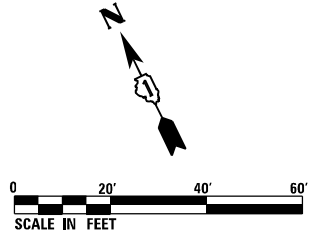
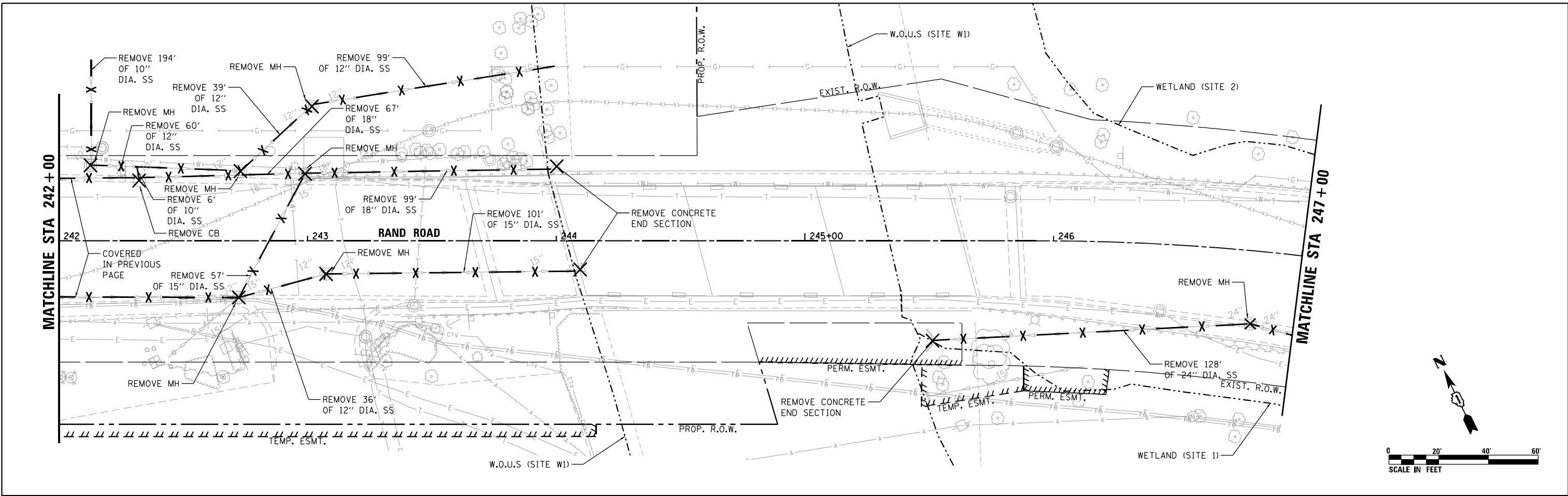
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES  
REMOVALS

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 234+50 TO STA. 242+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	51
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





FILE NAME = D:\60110-shr-drain-Removal\2022.dgn



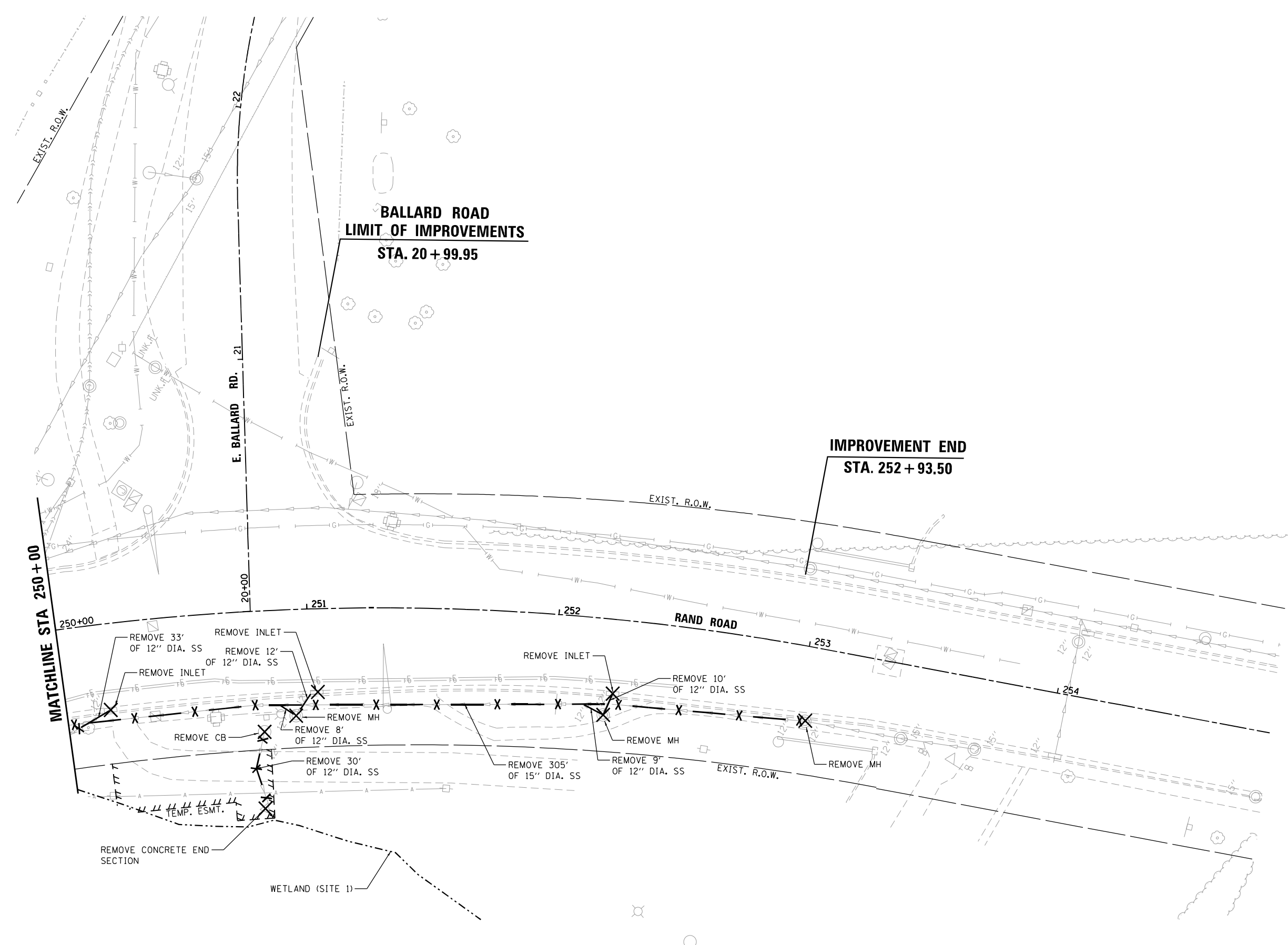
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PLOT DATE = 3/18/2024	CHECKED - OIU	REVISED -
	DATE - 3/18/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
REMOVALS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 242+00 TO STA. 250+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	52
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

X — X PIPE REMOVAL

X DRAINAGE STRUCTURE REMOVAL

SCALE IN FEET

FILE NAME = D:\60J10-ah+drain-Removal\203.dgn



USER NAME = EtzwieE	DESIGNED - PDB	REVISED -
	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - OIU	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/18/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
REMOVALS**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 250+00 TO STA. 254+85

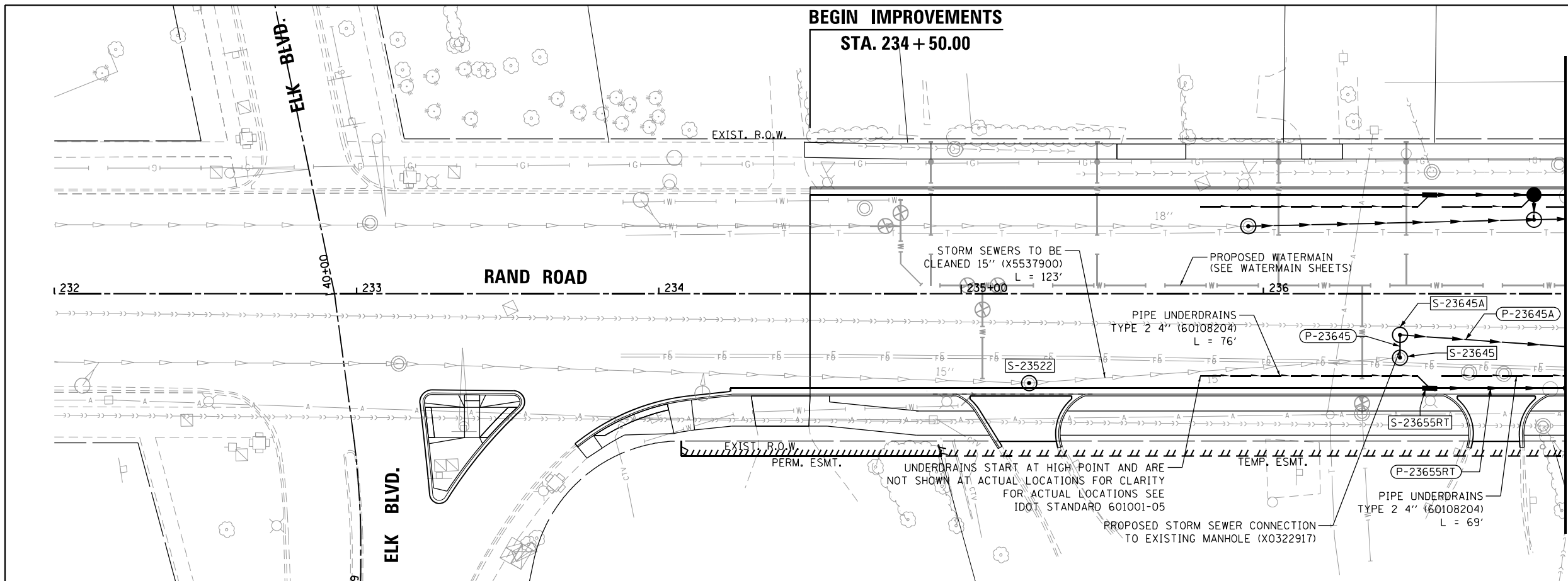
F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 53
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CAD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

FILE NAME = D:\60J10-ent-drain20-RightSide.dgn



**NOTE:**  
 1. SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.  
 2. SEE WATERMAIN SHEETS FOR PROPOSED WATERMAIN CROSSING INFO.

**DRAINAGE LEGEND**

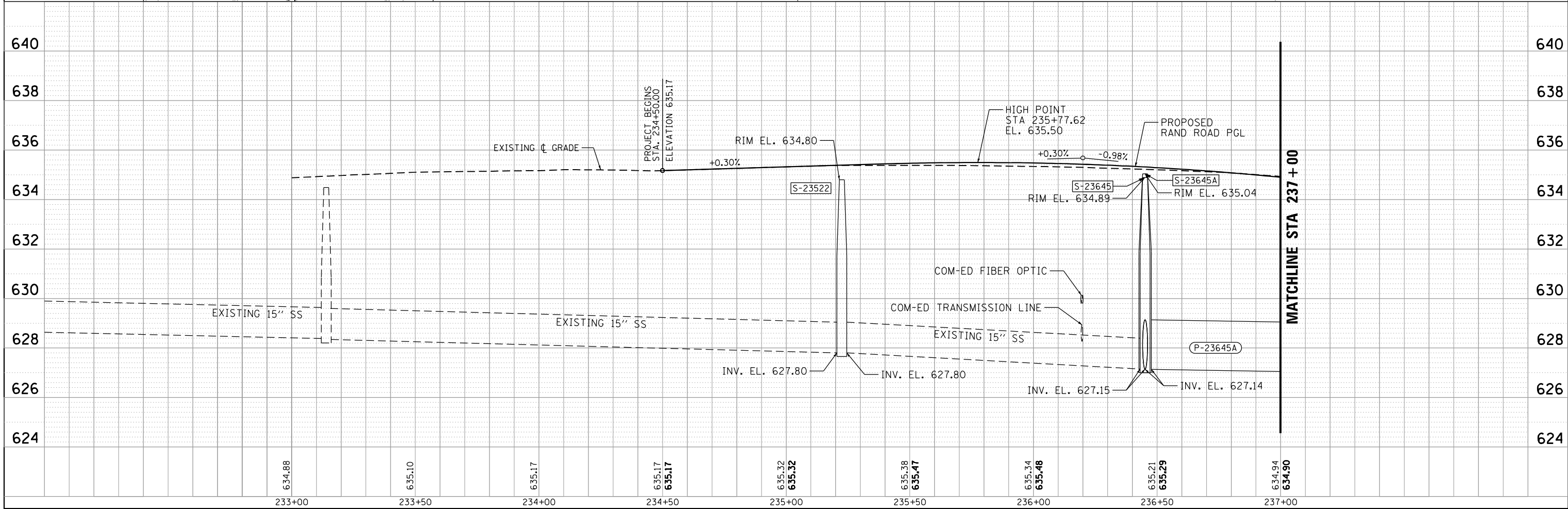
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- DRAINAGE STRUCTURE NUMBER
- DRAINAGE PIPE NUMBER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE

**UTILITY LEGEND**

- GAS
- COMBINED SEWER
- SANITARY SEWER
- WATER
- ELECTRICAL
- AERIAL
- TELEPHONE

0 2' 4' 6'  
 VERTICAL SCALE IN FEET

0 20' 40' 60'  
 SCALE IN FEET

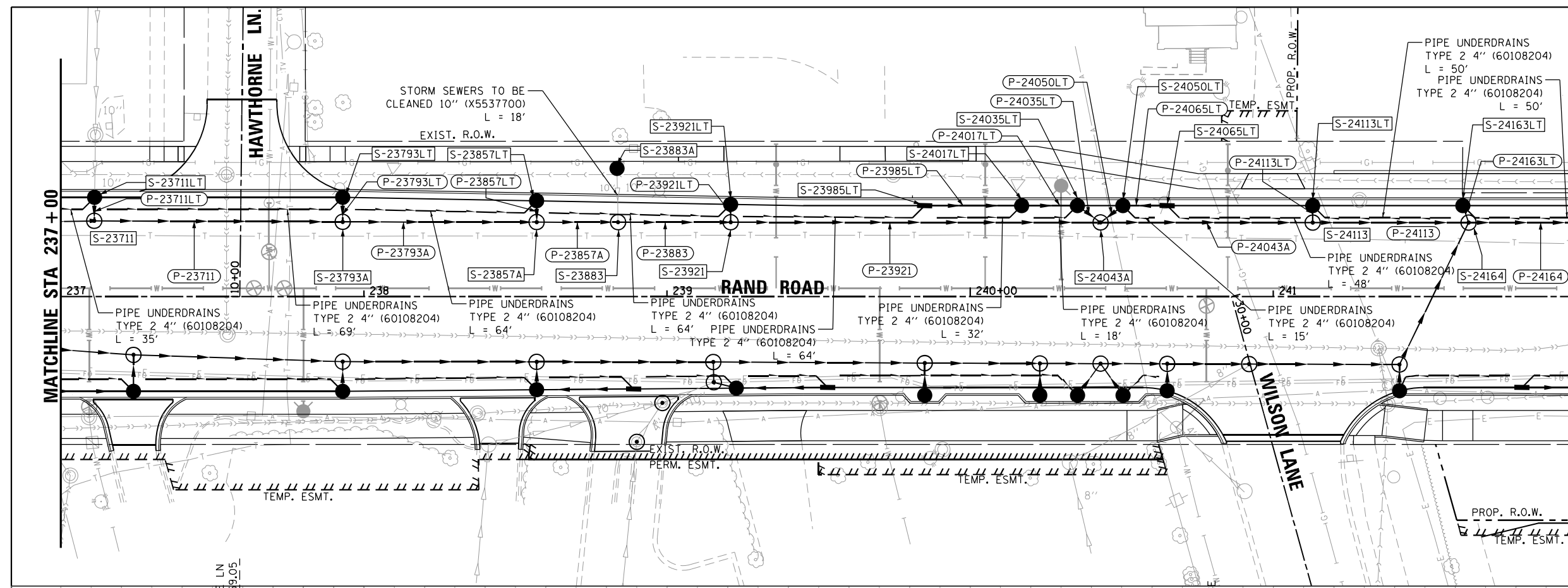


	USER NAME = EtwileE	DESIGNED - PDB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITIES</b> <b>SOUTH SYSTEM</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - PDB	REVISED -		3523	120-Y-B	COOK	267	55			
	PLOT DATE = 3/18/2024	CHECKED - OIU	REVISED -		SCALE: 1"=20' SHEET 2 OF 14 SHEETS STA. 234+50 TO STA. 237+00				CONTRACT NO. 60J10			
		DATE - 3/18/2024	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

FILE NAME = D:\60\110-ent-drain202-1\efstas05.dgn



NOTE:  
 1. SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.  
 2. SEE WATERMAIN SHEETS FOR PROPOSED WATERMAIN CROSSING INFO.

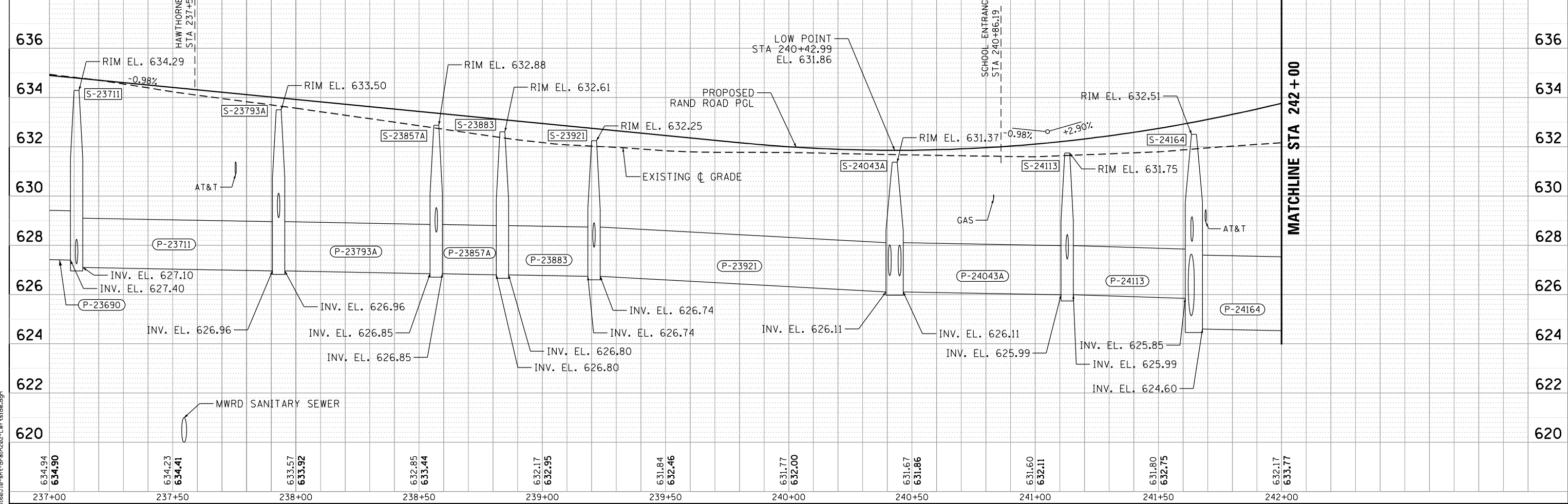
### DRAINAGE LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- DRAINAGE STRUCTURE NUMBER
- DRAINAGE PIPE NUMBER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE

### UTILITY LEGEND

- GAS
- COMBINED SEWER
- SANITARY SEWER
- WATER
- ELECTRICAL
- AERIAL
- TELEPHONE

0 2 4 6  
 VERTICAL SCALE IN FEET  
 0 20 40 60  
 SCALE IN FEET



USER NAME = EtwileE	DESIGNED - PDB	REVISIONS
PLOT SCALE = 40.0000' / in.	DRAWN - PDB	REVISIONS
PLOT DATE = 3/18/2024	CHECKED - OIU	REVISIONS
	DATE = 3/18/2024	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'	SHEET 3	OF 14 SHEETS	STA. 237+00 TO STA. 242+00
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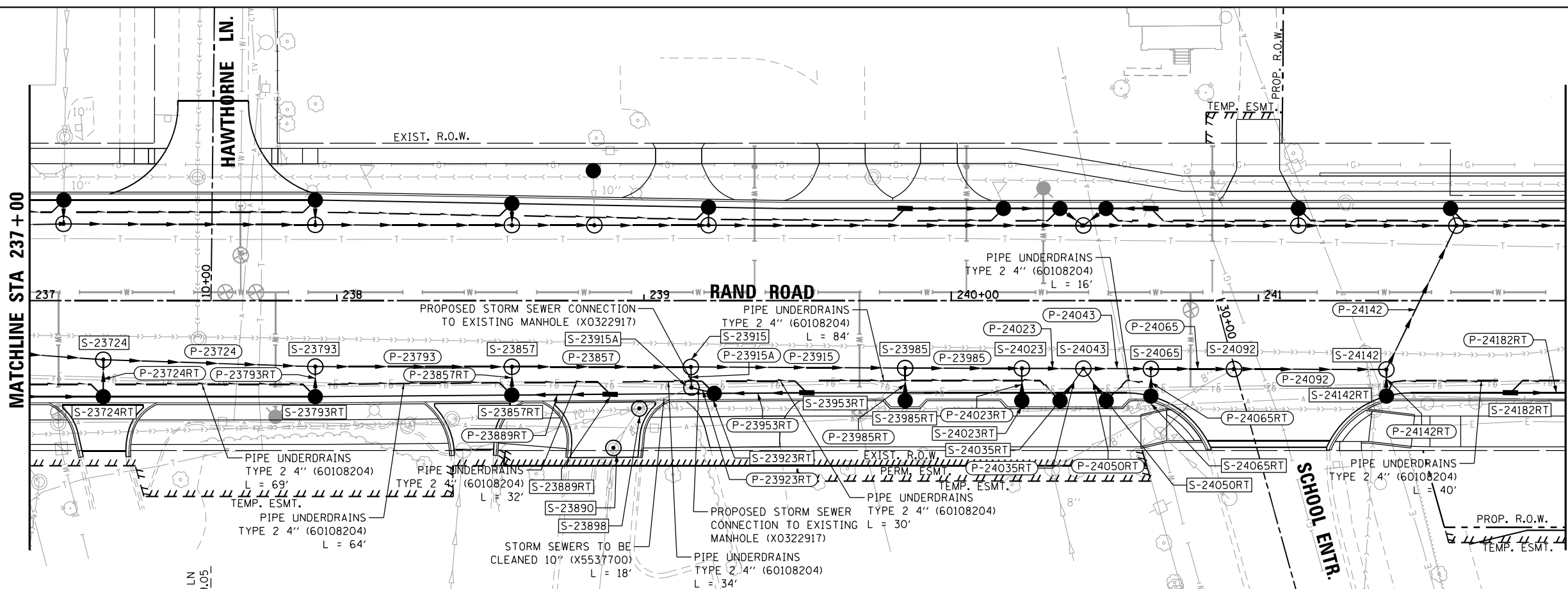
<b>DRAINAGE AND UTILITIES</b>			
<b>NORTH SYSTEM</b>			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
3523	120-Y-B	COOK	267
			SHEET NO. 56
CONTRACT NO. 60J10			

ILLINOIS FED. AID PROJECT			
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DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK	
CHECKED	
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DATE	
BY	
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SURVEYED	
PLOTTED	
NOTE BOOK	
CHECKED	
NO.	
STRUCTURE NOTATIONS CHKD	

FILE NAME = D:\60110-ent-dr-anc202-RightSide.dgn



NOTE:  
 1. SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.  
 2. SEE WATERMAIN SHEETS FOR PROPOSED WATERMAIN CROSSING INFO.

### DRAINAGE LEGEND

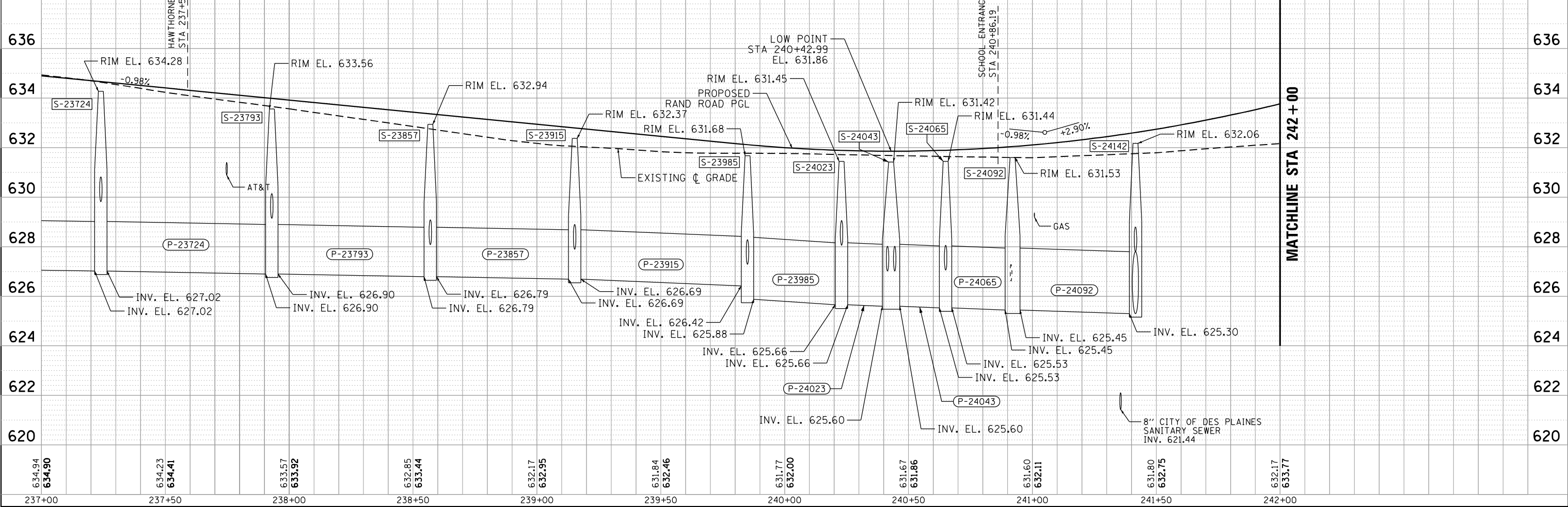
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- DRAINAGE STRUCTURE NUMBER
- DRAINAGE PIPE NUMBER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE

### UTILITY LEGEND

- GAS
- COMBINED SEWER
- SANITARY SEWER
- WATER
- ELECTRICAL
- AERIAL
- TELEPHONE

0 2' 4' 6'  
 VERTICAL SCALE IN FEET

0 20' 40' 60'  
 SCALE IN FEET



USER NAME = EtwileE	DESIGNED - PDB	REVISED -
	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - OIU	REVISED -
PLOT DATE = 3/18/2024	DATE = 3/18/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

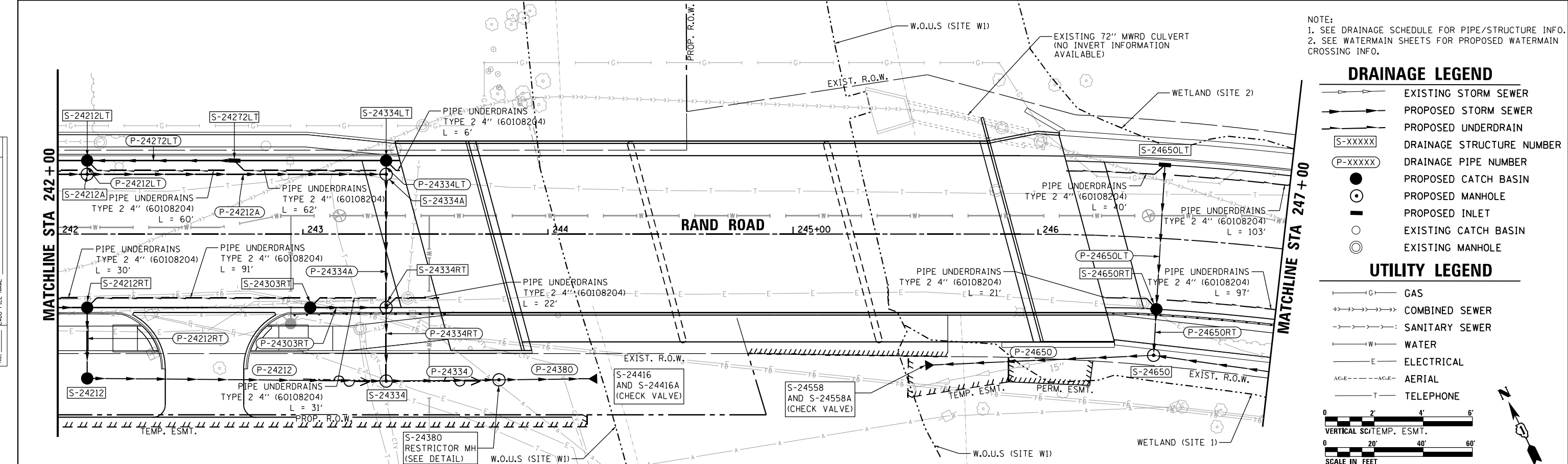
DRAINAGE AND UTILITIES  
 SOUTH SYSTEM

SCALE: 1"=20' SHEET 4 OF 14 SHEETS STA. 237+00 TO STA. 242+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	57
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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SURVEYED	
PLOTTED	
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CADD FILE NAME	

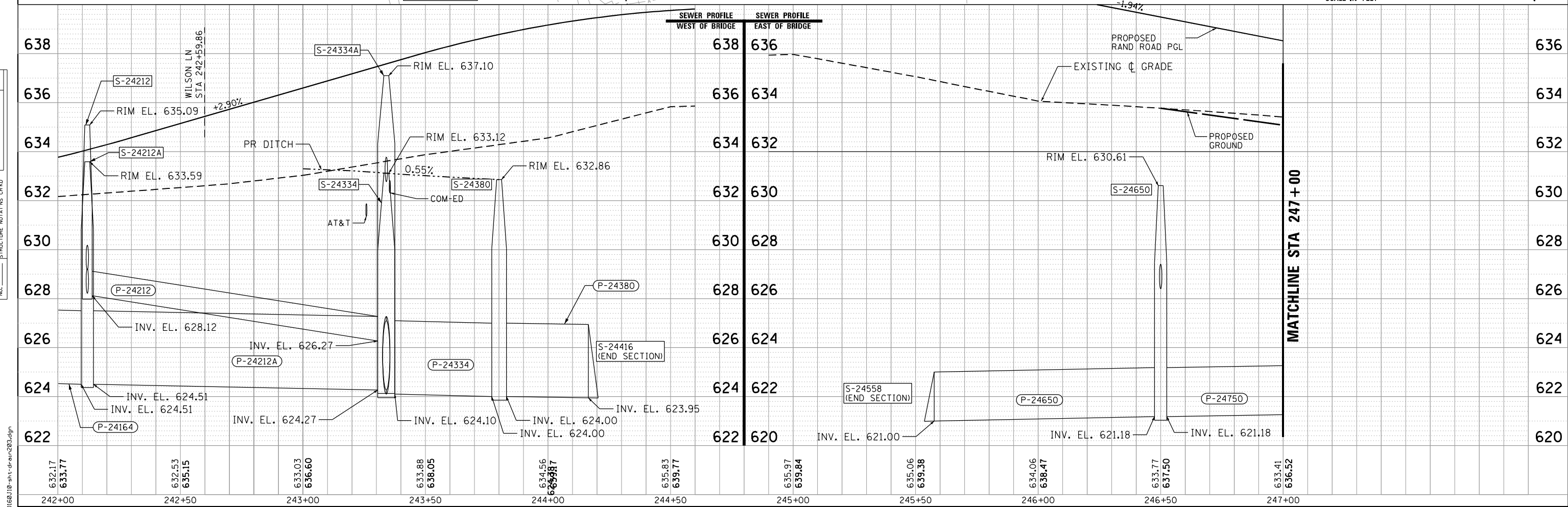
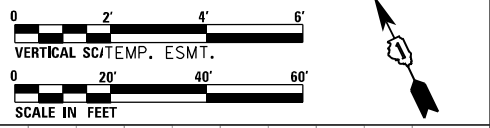
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NO.	
STRUCTURE NOTATIONS CHKD	



NOTE:  
 1. SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.  
 2. SEE WATERMAIN SHEETS FOR PROPOSED WATERMAIN CROSSING INFO.

- ### DRAINAGE LEGEND
- EXISTING STORM SEWER
  - PROPOSED STORM SEWER
  - PROPOSED UNDERDRAIN
  - DRAINAGE STRUCTURE NUMBER
  - DRAINAGE PIPE NUMBER
  - PROPOSED CATCH BASIN
  - PROPOSED MANHOLE
  - PROPOSED INLET
  - EXISTING CATCH BASIN
  - EXISTING MANHOLE

- ### UTILITY LEGEND
- GAS
  - COMBINED SEWER
  - SANITARY SEWER
  - WATER
  - ELECTRICAL
  - AERIAL
  - TELEPHONE



FILE NAME = D:\6010-ent-drain20a.dgn



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	DRAWN - PDB	REVISED -
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PLOT DATE = 3/18/2024	DATE = 3/18/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES

SCALE: 1"=20' SHEET 5 OF 14 SHEETS STA. 242+00 TO STA. 247+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	58
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

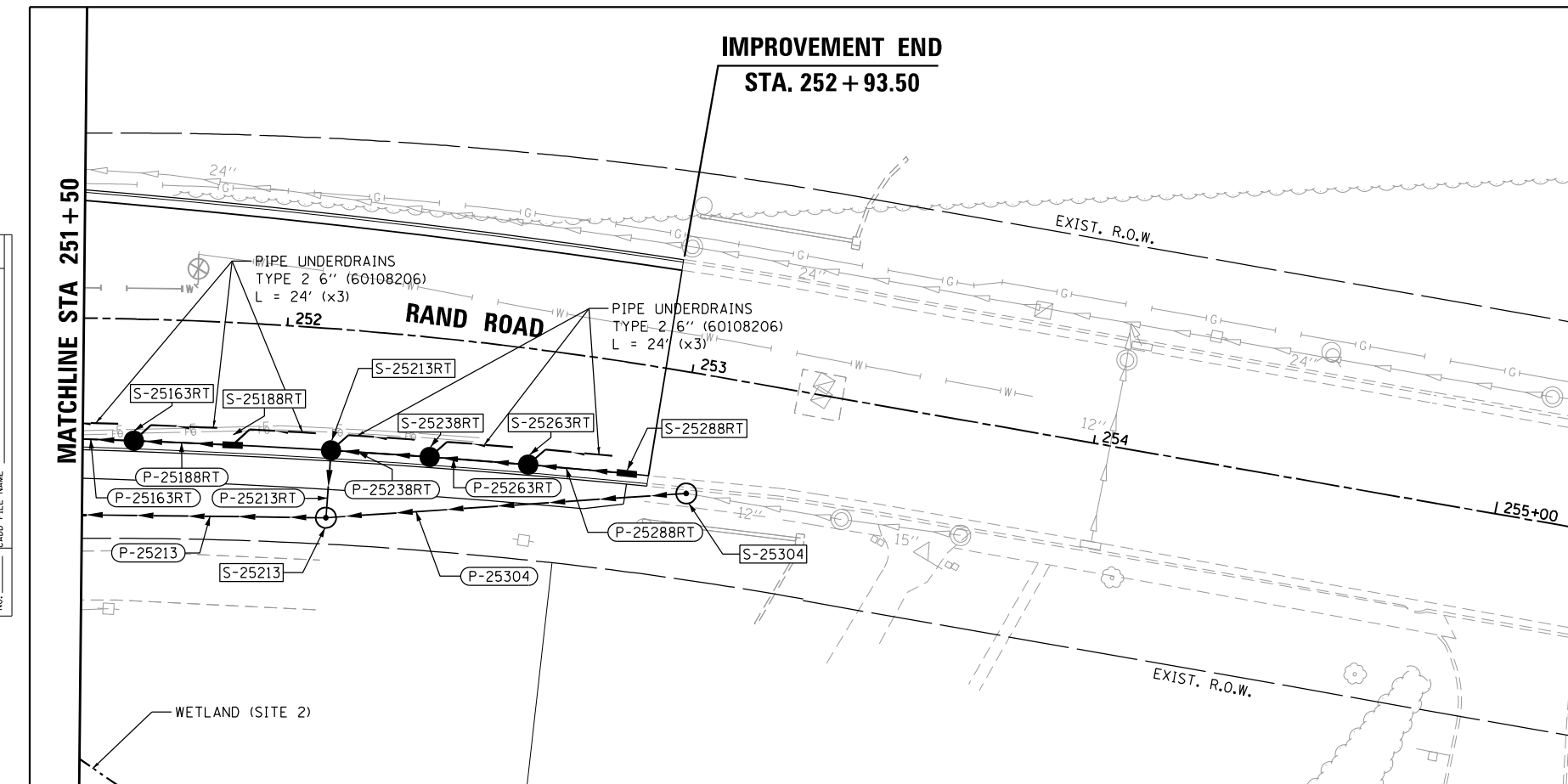






DATE	
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NOTE BOOK	
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BY	
PROFILE	
SURVEYED	
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NOTE BOOK	
CHECKED	
NO.	
STRUCTURE NOTATION CHYD	



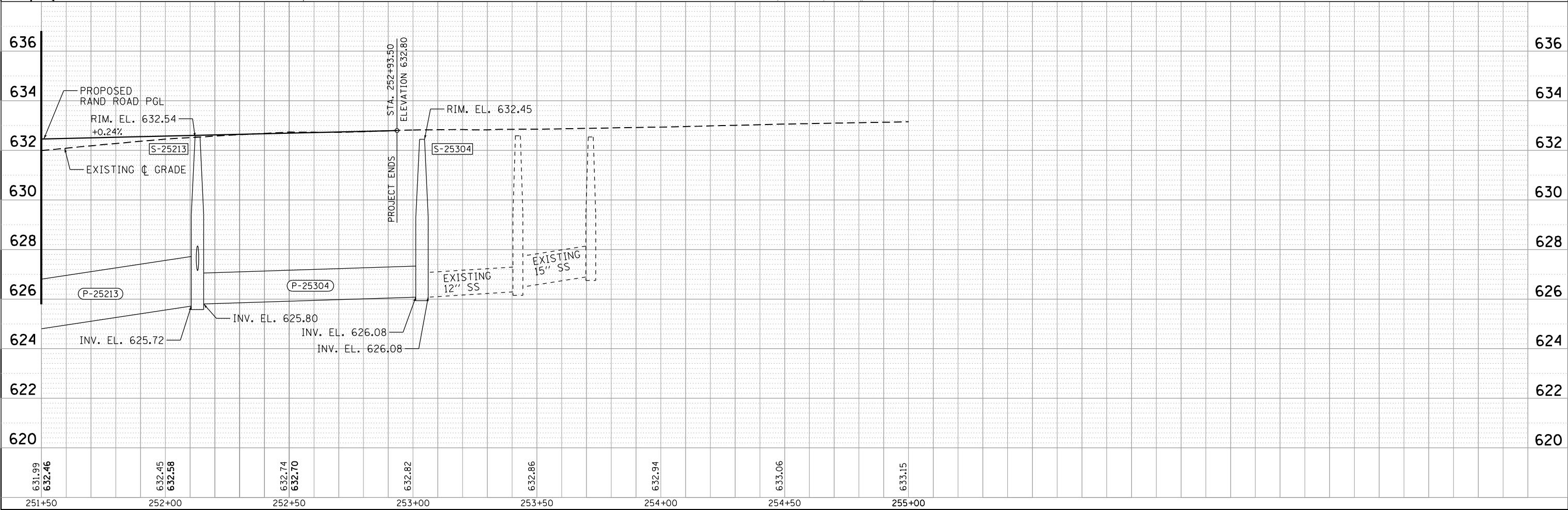
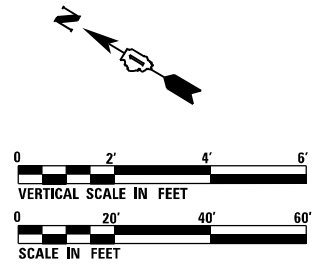
NOTE:  
 1. SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.  
 2. SEE WATERMAIN SHEETS FOR PROPOSED WATERMAIN CROSSING INFO.

**DRAINAGE LEGEND**

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- DRAINAGE STRUCTURE NUMBER
- DRAINAGE PIPE NUMBER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE

**UTILITY LEGEND**

- GAS
- COMBINED SEWER
- SANITARY SEWER
- WATER
- ELECTRICAL
- AERIAL
- TELEPHONE



FILE NAME = D:\60110-ent-drain206.dgn



USER NAME = EtwileE	DESIGNED - PDB	REVISED -
	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - OIU	REVISED -
PLOT DATE = 3/18/2024	DATE = 3/18/2024	REVISED -

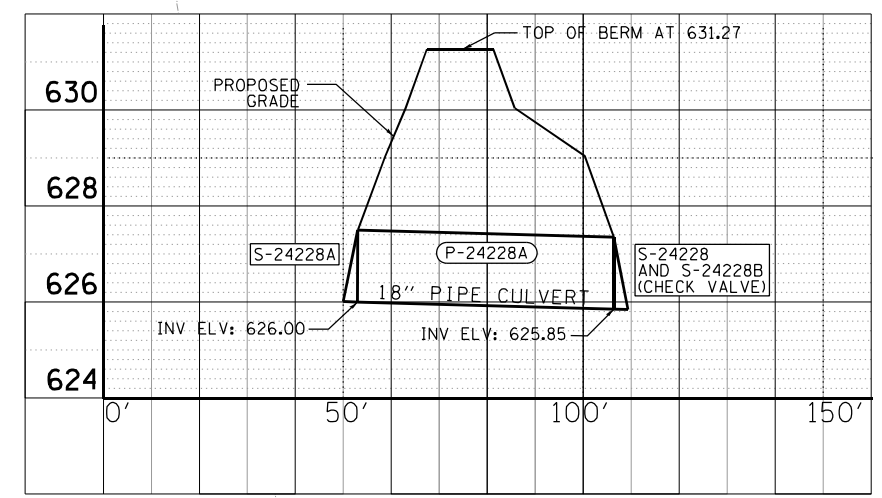
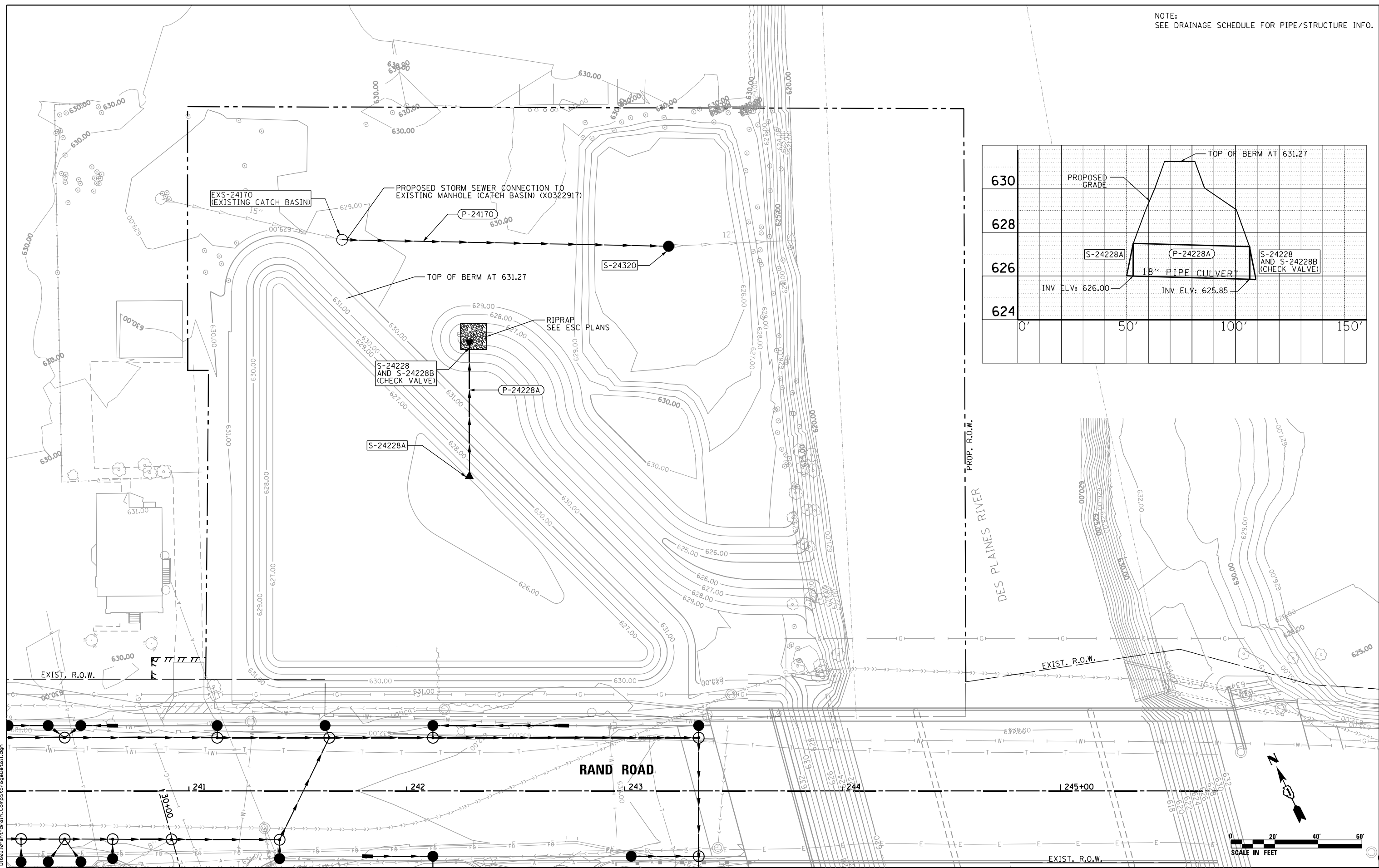
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
SOUTH SYSTEM**

SCALE: 1"=20' SHEET 7 OF 14 SHEETS STA. 251+50 TO STA. 253+19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	60
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

NOTE:  
SEE DRAINAGE SCHEDULE FOR PIPE/STRUCTURE INFO.



FILE NAME = D:\60J10-shr-drain\_CompStorageData.dgn



USER NAME = EtwileE  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/18/2024

DESIGNED - PDB  
 DRAWN - PDB  
 CHECKED - OIU  
 DATE - 3/18/2024

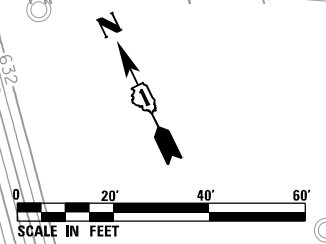
REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
 COMPENSATORY DRAINAGE AREA**

SCALE: 1"=20' SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 61
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



STRUCTURE NO.	STATION	OFFSET	RIM ELEV. (FT)	PAY ITEM DESCRIPTION	PAY ITEM #	INVERTS (FT)				NOTES
						NORTH	SOUTH	EAST	WEST	
EXS-24170	241+70.28	253.01	LT	628.43	-			623.53	623.53'	PLUG EX 12" FROM SOUTH - PR CONNECTION TO EAST
EXS-25004	250+04.81	59.42	RT	629.98	-			627.78	627.78'	PR CONNECTION TO EAST
S-23522	235+22.51	29.58	RT	634.80	60255500			627.80*	627.80*	EX RIM: 634.82
S-23595	235+95.00	22.35	LT	635.04	60221100			627.60	627.60'	
S-23645	236+45.16	21.18	RT	634.89	60255500	627.15			627.15*	EX RIM: 634.75
S-23645A	236+45.16	13.64	RT	635.04	60221100		627.14	627.14		
S-23655LT	236+55.00	32.75	LT	634.60	60237470			630.42		
S-23655RT	236+55.00	31.25	RT	634.63	60237470			630.45		
S-23690	236+89.50	24.51	LT	634.51	60221100	630.02		627.44	627.44	
S-23690LT	236+89.50	32.75	LT	634.34	60201340		630.06		630.16	
S-23711	237+11.03	25.01	LT	634.29	60221100	627.25		627.10	627.10	
S-23711LT	237+11.14	32.75	LT	634.14	60201340	627.29*	627.29			CONNECT TO EX 10" FROM NORTH
S-23724	237+24.00	21.34	RT	634.28	60221100		629.82	627.02	627.02	
S-23724RT	237+24.00	31.25	RT	634.04	60200905	629.86			629.86	
S-23793	237+93.00	21.48	RT	633.56	60221100			626.90	626.90	
S-23793A	237+93.00	24.66	LT	633.50	60221100	629.12		626.96	626.96	
S-23793LT	237+93.00	32.75	LT	633.34	60208240		629.16			
S-23793RT	237+93.00	31.25	RT	633.37	60208240		629.19			
S-23857	238+57.00	21.53	RT	632.94	60221100		628.09	626.79	626.79	
S-23857A	238+57.00	24.59	LT	632.88	60221100	628.53		626.85	626.85	
S-23857LT	238+57.00	31.61	LT	632.74	60208240		628.56			
S-23857RT	238+57.00	30.73	RT	632.75	60200905	628.13		628.13		
S-23883	238+83.84	24.56	LT	632.61	60221100	626.84*		626.80	626.80	EX BLIND CONNECTION AT THIS LOCATION - CONNECT MH TO EX 10" FROM NORTH
S-23883A	238+83.50	42.31	LT	631.37	60251200		626.94*			EX RIM: 630.84
S-23889RT	238+89.00	30.47	RT	632.45	60236600				628.27	
S-23890	238+90.02	47.91	RT	632.41	60255500					EX RIM: 632.43
S-23898	238+98.49	35.08	RT	632.28	60255500					EX RIM: 631.85
S-23915	239+15.27	21.58	RT	632.37	60221100		627.90	626.69	626.69	
S-23915A	239+15.42	28.27	RT	632.23	60255500	627.93	628.14 (SW)*	627.93		EX RIM: 631.34 - PLUG EX 10" FROM WEST
S-23921	239+21.00	24.54	LT	632.25	60221100	627.92		626.74	626.74	
S-23921LT	239+21.00	30.44	LT	632.13	60207705		627.95			
S-23923RT	239+22.83	30.20	RT	632.12	60200905			627.96	627.96	
S-23953RT	239+53.00	30.00	RT	632.83	60237470				628.65	
S-23985	239+85.00	21.93	RT	631.68	60221100		627.29	625.88	626.42	
S-23985LT	239+85.00	30.00	LT	631.52	60236600			627.34		
S-23985RT	239+85.00	32.58	RT	631.52	60207915	627.34				
S-24017LT	240+17.00	30.00	LT	631.31	60201340			626.86	627.20	
S-24023	240+23.00	22.05	RT	631.45	60221100		628.06	625.66	625.66	
S-24023RT	240+23.00	32.58	RT	632.29	60207915	628.11				
S-24035LT	240+35.39	30.00	LT	631.26	60201110		626.80 (SE)		626.80	
S-24035RT	240+35.42	32.58	RT	631.26	60207915	627.08 (NE)				
S-24043	240+42.99	22.11	RT	631.42	60224446	627.02 (SW)	627.02 (SE)	625.60	625.60	
S-24043A	240+42.99	24.47	LT	631.37	60224446	626.77 (NW)	626.76 (NE)	626.11	626.11	
S-24050LT	240+50.39	30.00	LT	631.27	60201110		626.79 (SW)	627.06		
S-24050RT	240+50.42	32.58	RT	631.26	60207915	627.08 (NW)				
S-24065	240+65.00	22.18	RT	631.44	60221100		627.06	625.53	625.53	
S-24065LT	240+65.00	30.00	LT	631.30	60237470				627.12	
S-24065RT	240+65.00	31.07	RT	631.24	60208240	627.10				
S-24092	240+92.00	22.26	RT	631.53	60224446		626.62 (SW)*	625.45	625.45	EX BLIND CONNECTION AT THIS LOCATION - CONNECT MH TO EX 8" FROM SW
S-24113	241+13.00	24.43	LT	631.75	60221100	627.44		625.99	625.99	
S-24113LT	241+13.00	30.00	LT	631.64	60207705		627.46			
S-24142	241+41.62	22.41	RT	632.06	60221100	625.30 (NE)	627.80		625.30	
S-24142RT	241+41.62	31.07	RT	631.79	60208240	627.84				
S-24163LT	241+62.50	30.00	LT	632.37	60208240		628.19			
S-24164	241+64.43	24.43	LT	632.51	60224446	628.16	625.14	624.60	625.85	
S-24182RT	241+82.00	30.00	RT	632.76	60237470			628.58		
S-24212	242+12.00	58.90	RT	635.09	60200805	628.22		628.12		
S-24212A	242+12.00	24.43	LT	633.59	60221100	629.18		624.51	624.51	
S-24212LT	242+12.00	30.00	LT	633.48	60201340		629.20	629.30		
S-24212RT	242+12.00	30.00	RT	633.48	60201340		628.35		628.45	
S-24228	242+28.77	204.19	LT	N/A	54213663		626.00			CHECK VALVE (SEE DETAILS FOR INSTALLATION)
S-24228B	242+28.77	204.19	LT	N/A						
S-24228A	242+28.74	144.45	LT	N/A	54213663	626.15				
S-24272LT	242+72.00	30.00	LT	635.19	60237470				631.00	
S-24303RT	243+03.00	30.00	RT	636.09	60208240			631.90		
S-24320	243+20.17	250.05	LT	625.35	60200805			622.85*	622.85	REPLACE EXISTING INLET STRUCTURE AND CONNECT TO EXISTING PIPE
S-24334	243+34.00	60.00	RT	633.12	60224448	624.10		624.10	626.27	
S-24334A	243+34.00	24.43	LT	637.10	60224446	632.78	624.27		624.27	
S-24334LT	243+34.00	30.00	LT	636.99	60208240		632.80			
S-24334RT	243+34.00	30.00	RT	636.99	60224039	624.16	624.16		631.76	
S-24380	243+80.00	59.50	RT	632.86	X0325034			624.00	624.00	SEE DETAILS FOR INSTALLATION
S-24416	244+16.44	59.10	RT	N/A	54261236				623.95	CHECK VALVE (SEE DETAILS FOR INSTALLATION)
S-24416A	244+16.44	59.10	RT	N/A						
S-24558	245+57.58	53.40	RT	N/A	54261224			621.00		CHECK VALVE (SEE DETAILS FOR INSTALLATION)
S-24558A	245+57.58	53.40	RT	N/A	X0327064					
S-24650	246+50.00	47.87	RT	630.61	60221100	626.40		621.18	621.18	
S-24650LT	246+50.00	30.00	LT	636.90	60237470			632.70		
S-24650RT	246+50.00	29.00	RT	636.92	60201340	631.52	626.78			

NOTE 1. REFERENCE POINTS FOR STRUCTURES ALONG THE CURB IS TO THE EDGE OF PAVEMENT.  
NOTE 2. REFERENCE POINTS FOR STRUCTURES ON THE PAVEMENT IS FROM THE CENTER OF THE STRUCTURE.  
NOTE 3. REFERENCE POINTS FOR END SECTIONS IS TO THE INVERT ELEVATION ON THE BACK WALL. REFERENCE POINTS FOR FLARED END SECTIONS IS TO THE INVERT OF THE PIPE AT THE END CONNECTION.

FILE NAME = D:\6010-ht-df-inr-500281.dgn



USER NAME = EtzweE	DESIGNED - PDB	REVISED -
	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - OIU	REVISED -
PLOT DATE = 3/18/2024	DATE = 3/18/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
SCHEDULE OF QUANTITIES**

SCALE: 1"=20' SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	62
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

PROPOSED STRUCTURE SCHEDULE											
STRUCTURE NO.	STATION	OFFSET	RIM ELEV. (FT)	PAY ITEM DESCRIPTION	PAY ITEM #	INVERTS (FT)				NOTES	
						NORTH	SOUTH	EAST	WEST		
S-24750	247+50.00	50.57	RT	630.46	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	626.25		621.34	621.34	
S-24750LT	247+50.00	30.00	LT	634.95	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470		630.75			
S-24750RT	247+50.00	29.00	RT	634.97	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	629.57	626.68			
S-24840	248+40.00	50.79	RT	629.64	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	625.45		621.48	621.48	
S-24840LT	248+40.00	30.00	LT	633.33	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340		628.66	628.76		
S-24840RT	248+40.00	29.00	RT	633.35	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	627.92	625.89			
S-24860	248+60.00	30.00	LT	633.04	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	60236825				628.85	
S-24900	249+00.00	50.00	RT	626.84	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400			621.58	621.58	WITH FLAT SLAB TOP
S-24900LT	249+00.00	30.00	LT	633.14	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470		628.95			
S-24900RT	249+00.00	29.00	RT	632.56	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340	627.77		627.22	626.95	
S-24925RT	249+25.00	29.00	RT	632.31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.43	627.33	
S-24950RT	249+50.00	29.00	RT	632.10	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.64	627.54	
S-24975RT	249+75.00	29.00	RT	631.93	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470				627.75	
S-24987	249+87.18	37.60	RT	632.36	MANHOLES TO BE RECONSTRUCTED	60257900	622.8 (NE)*	622.15			EX RIM: 630.30
S-24987A	249+87.18	50.00	RT	627.16	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800	621.90		621.90	621.90	
S-24997	249+96.66	27.79	LT	632.96	MANHOLES TO BE ADJUSTED	60255500					EX RIM: 632.71
S-25000RT	250+00.00	29.00	RT	631.81	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470			627.63		
S-25025RT	250+25.00	29.00	RT	631.73	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.50	627.51	
S-25036RT	250+36.00	29.00	RT	631.71	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	60201110			627.35	627.45	
S-25051	250+51.32	52.18	RT	631.83	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	626.85		623.12	623.12	
S-25051RT	250+51.41	29.00	RT	631.70	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	60200905		626.92	627.19	627.28	
S-25054	250+55.45	57.99	LT	633.17	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			628.27	628.17	
S-25063RT	250+63.00	29.00	RT	631.70	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	60201110			627.34	627.24	
S-25075RT	250+75.00	29.00	RT	631.71	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.49	627.39	
S-25094RT	250+94.00	29.00	RT	631.75	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470				627.57	
S-25105	251+05.33	54.65	LT	632.90	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470				628.70	
S-25113	251+13.00	47.50	RT	629.55	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	625.38		624.29	624.29	
S-25113RT	251+13.00	29.00	RT	631.79	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340		625.75	627.24		
S-25138RT	251+38.00	29.36	RT	631.85	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.45	627.35	
S-25163RT	251+63.00	29.87	RT	631.89	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.66	627.56	
S-25188RT	251+88.00	30.00	RT	631.95	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470				627.77	
S-25213	252+13.00	46.36	RT	632.54	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	627.15		625.80	625.72	
S-25213RT	252+13.00	29.81	RT	632.01	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340		627.22	627.32		
S-25238RT	252+38.00	29.25	RT	632.08	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.53	627.43	
S-25263RT	252+63.00	28.32	RT	632.09	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	60201340			627.74	627.64	
S-25288RT	252+88.00	27.03	RT	632.02	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	60237470				627.85	
S-25304	253+03.65	29.49	RT	632.45	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100			626.08*	626.08	

\* EXISTING PIPE INVERT

STORM SEWER PIPE SCHEDULE											
PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	UPSTREAM INVERT	DOWNSTREAM INVERT	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	TYPE	TRENCH BACKFILL (CY)	LENGTH (FT)	SLOPE (%)	NOTES
P-23595	S-23595	S-23690	627.60	627.44	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	75.7	90	0.18%	
P-23645	S-23645	S-23645A	627.15	627.14	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	2.9	3	0.33%	UPSTREAM CONNECTION TO EXISTING MANHOLE
P-23645A	S-23645A	S-23724	627.14	627.02	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	68.6	74	0.16%	
P-23655LT	S-23655LT	S-23690LT	630.42	630.16	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.1	32	0.83%	
P-23655RT	S-23655RT	S-23724RT	630.45	629.86	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	12.8	66	0.89%	
P-23690	S-23690	S-23711	627.44	627.40	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	13.3	17	0.24%	
P-23690LT	S-23690LT	S-23690	630.06	630.02	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.8	4	1.08%	
P-23711	S-23711	S-23793A	627.10	626.96	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	58.9	77	0.18%	
P-23711LT	S-23711LT	S-23711	627.29	627.25	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	2.3	3	1.25%	
P-23724	S-23724	S-23793	627.02	626.90	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	51.5	64	0.19%	
P-23724RT	S-23724RT	S-23724	629.86	629.82	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.5	8	0.53%	
P-23793	S-23793	S-23857	626.90	626.79	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	27.9	59	0.19%	
P-23793A	S-23793A	S-23857A	626.96	626.85	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	26.1	59	0.19%	
P-23793LT	S-23793LT	S-23793A	629.16	629.12	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.9	5	0.87%	
P-23793RT	S-23793RT	S-23793	629.19	629.15	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.2	6	0.63%	
P-23857	S-23857	S-23915	626.79	626.69	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	20.4	53	0.19%	
P-23857A	S-23857A	S-23883	626.85	626.80	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	8.4	22	0.23%	
P-23857LT	S-23857LT	S-23857A	628.56	628.53	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.7	4	0.86%	
P-23857RT	S-23857RT	S-23857	628.13	628.09	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.1	5	0.85%	
P-23883	S-23883	S-23921	626.80	626.74	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	11.4	32	0.19%	
P-23889RT	S-23889RT	S-23857RT	628.27	628.13	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.2	29	0.48%	
P-23915	S-23915	S-23985	626.69	626.42	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	21.0	65	0.42%	
P-23915A	S-23915A	S-23915	627.93	627.90	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.5	2	1.36%	UPSTREAM CONNECTION TO EXISTING MANHOLE
P-23921	S-23921	S-24043A	626.74	626.11	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	37.6	116	0.54%	
P-23921LT	S-23921LT	S-23921	627.95	627.92	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.5	2	1.25%	
P-23923RT	S-23923RT	S-23915A	627.96	627.93	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.7	4	0.81%	DOWNSTREAM CONNECTION TO EXISTING MANHOLE
P-23953RT	S-23953RT	S-23923RT	628.65	627.96	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	5.3	27	2.54%	
P-23985	S-23985	S-24023	625.88	625.66	STORM SEWERS, CLASS A, TYPE 2 30"	550A0430	2	12.0	33	0.67%	
P-23985LT	S-23985LT	S-24017LT	627.34	627.20	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	5.0	29	0.48%	
P-23985RT	S-23985RT	S-23985	627.34	627.29	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.4	7	0.69%	
P-24017LT	S-24017LT	S-24035LT	626.86	626.80	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	Z0056610	2	3.1	14	0.42%	
P-24023	S-24023	S-24043	625.66	625.60	STORM SEWERS, CLASS A, TYPE 2 30"	550A0430	2	5.1	14	0.43%	
P-24023RT	S-24023RT	S-24023	628.11	628.06	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.1	7	0.71%	
P-24035LT	S-24035LT	S-24043A	626.80	626.77	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	0.8	4	0.77%	
P-24035RT	S-24035RT	S-24043	627.08	627.02	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.6	8	0.71%	
P-24043	S-24043	S-24065	625.60	625.53	STORM SEWERS, CLASS A, TYPE 2 30"	550A0430	2	5.8	16	0.44%	

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USER NAME = EtzweE  
 PLOT SCALE = 40.0000' / 1"  
 PLOT DATE = 3/18/2024

DESIGNED - PDB  
 DRAWN - PDB  
 CHECKED - OIU  
 DATE - 3/18/2024

REVISED -  
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES  
 SCHEDULE OF QUANTITIES

SCALE: 1"=20' SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	63
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

STORM SEWER PIPE SCHEDULE											
PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	UPSTREAM INVERT	DOWNSTREAM INVERT	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	TYPE	TRENCH BACKFILL (CY)	LENGTH (FT)	SLOPE (%)	NOTES
P-24043A	S-24043A	S-24113	626.11	625.99	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	Z0056616	2	20.7	64	0.19%	
P-24050LT	S-24050LT	S-24043A	626.79	626.76	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	0.8	4	0.81%	
P-24050RT	S-24050RT	S-24043	627.08	627.02	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.6	8	0.72%	
P-24065	S-24065	S-24092	625.53	625.45	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	Z0056620	2	8.3	21	0.38%	
P-24065LT	S-24065LT	S-24050LT	627.12	627.06	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	2.3	12	0.52%	
P-24065RT	S-24065RT	S-24065	627.10	627.06	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.1	5	0.74%	
P-24092	S-24092	S-24142	625.45	625.30	STORM SEWERS, CLASS A, TYPE 2 30"	550A0430	2	20.2	44	0.34%	
P-24113	S-24113	S-24164	625.99	625.85	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	20.1	45	0.31%	
P-24113LT	S-24113LT	S-24113	627.46	627.44	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.4	2	0.95%	
P-24142	S-24142	S-24164	625.30	625.14	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	Z0056620	2	36.7	46	0.35%	
P-24142RT	S-24142RT	S-24142	627.84	627.80	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.0	5	0.77%	
P-24163LT	S-24163LT	S-24164	628.19	628.16	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.3	1	2.14%	
P-24164	S-24164	S-24212A	624.60	624.51	STORM SEWERS, CLASS A, TYPE 2 36"	550A0450	2	46.2	42	0.22%	
P-24170	EXS-24170	S-24320	623.53	622.85	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.0	146	0.47%	UPSTREAM CONNECTION TO EXISTING MANHOLE (CATCH BASIN)
P-24182RT	S-24182RT	S-24212RT	628.58	628.45	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.4	27	0.48%	
P-24212	S-24212	S-24334	628.12	626.27	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.0	117	1.59%	
P-24212A	S-24212A	S-24334A	624.51	624.27	STORM SEWERS, CLASS A, TYPE 2 36"	550A0450	2	203.6	116	0.21%	
P-24212LT	S-24212LT	S-24212A	629.20	629.18	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.2	1	1.82%	
P-24212RT	S-24212RT	S-24212	628.35	628.22	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	9.5	25	0.52%	
P-24228A	S-24228A	S-24228	626.00	625.85	PIPE CULVERTS, CLASS A, TYPE 1 18"	542A0223	1	0.0	57	0.27%	
P-24272LT	S-24272LT	S-24212LT	631.00	629.30	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	11.1	57	2.98%	
P-24303RT	S-24303RT	S-24334RT	631.90	631.76	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.4	27	0.52%	
P-24334	S-24334	S-24380	624.10	624.00	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	Z0056622	2	0.0	40	0.25%	
P-24334A	S-24334A	S-24334RT	624.27	624.16	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	Z0056622	2	105.4	48	0.23%	
P-24334LT	S-24334LT	S-24334A	632.80	632.78	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	0.2	1	1.82%	
P-24334RT	S-24334RT	S-24334	624.16	624.10	STORM SEWERS, CLASS A, TYPE 2 36"	550A0450	2	40.1	24	0.26%	
P-24380	S-24380	S-24416	624.00	623.95	STORM SEWERS, CLASS A, TYPE 2 36"	550A0450	2	0.0	34	0.15%	
P-24650	S-24650	S-24558	621.18	621.00	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	31.1	88	0.20%	
P-24650LT	S-24650LT	S-24650RT	632.70	631.52	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	14.4	56	2.11%	
P-24650RT	S-24650RT	S-24650	626.78	626.40	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	11.4	14	2.64%	
P-24750	S-24750	S-24650	621.34	621.18	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	112.6	90	0.18%	
P-24750LT	S-24750LT	S-24750RT	630.75	629.57	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	14.4	56	2.11%	
P-24750RT	S-24750RT	S-24750	626.68	626.25	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.9	17	2.51%	
P-24840	S-24840	S-24750	621.48	621.34	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	90.7	80	0.17%	
P-24840LT	S-24840LT	S-24840RT	628.66	627.92	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	15.3	55	1.35%	
P-24840RT	S-24840RT	S-24840	625.89	625.45	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	6.5	17	2.54%	
P-24860	S-24860	S-24840LT	628.85	628.76	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	2.3	18	0.51%	
P-24900	S-24900	S-24840	621.58	621.48	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	37.9	52	0.19%	
P-24900LT	S-24900LT	S-24900RT	628.95	627.77	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	12.1	56	2.11%	
P-24900RT	S-24900RT	S-24840RT	626.95	626.76	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	21.6	54	0.35%	
P-24925RT	S-24925RT	S-24900RT	627.33	627.22	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	6.0	20	0.54%	
P-24950RT	S-24950RT	S-24925RT	627.54	627.43	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.8	20	0.54%	
P-24975RT	S-24975RT	S-24950RT	627.75	627.64	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.1	21	0.52%	
P-24987	S-24987	S-24987A	622.15	621.90	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	4.5	5	5.10%	UPSTREAM CONNECTION TO EXISTING MANHOLE
P-24987A	S-24987A	S-24900	621.90	621.58	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	22.8	78	0.41%	
P-25000RT	S-25000RT	S-25025RT	627.63	627.51	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.1	21	0.57%	
P-25025RT	S-25025RT	S-25036RT	627.50	627.45	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.3	7	0.75%	
P-25036RT	S-25036RT	S-25051RT	627.35	627.28	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	2.3	11	0.64%	
P-25051	S-25051	S-24987A	623.12	621.90	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	44.5	55	2.21%	
P-25051RT	S-25051RT	S-25051	626.92	626.85	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	4.3	19	0.37%	
P-25054	S-25054	EXS-25004	628.17	627.78	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	Z0056608	2	6.4	49	0.80%	DOWNSTREAM CONNECTION TO EXISTING MANHOLE (CATCH BASIN)
P-25063RT	S-25063RT	S-25051RT	627.24	627.19	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.6	7	0.69%	
P-25075RT	S-25075RT	S-25063RT	627.39	627.34	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	1.5	8	0.66%	
P-25094RT	S-25094RT	S-25075RT	627.57	627.49	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	3.0	15	0.52%	
P-25105	S-25105	S-25054	628.70	628.27	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	10.9	51	0.85%	
P-25113	S-25113	S-25051	624.29	623.12	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	43.2	54	2.18%	
P-25113RT	S-25113RT	S-25113	625.75	625.38	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	3.9	14	2.64%	
P-25138RT	S-25138RT	S-25113RT	627.35	627.24	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.4	20	0.54%	
P-25163RT	S-25163RT	S-25138RT	627.56	627.45	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.4	20	0.54%	
P-25188RT	S-25188RT	S-25163RT	627.77	627.66	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.1	21	0.52%	
P-25213	S-25213	S-25113	625.72	624.29	STORM SEWERS, CLASS A, TYPE 2 24"	550A0410	2	37.2	90	1.59%	
P25213RT	S-25213RT	S-25213	627.22	627.15	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	3.4	12	0.58%	
P-25238RT	S-25238RT	S-25213RT	627.43	627.32	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.8	20	0.54%	
P-25263RT	S-25263RT	S-25238RT	627.64	627.53	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.4	20	0.54%	
P-25288RT	S-25288RT	S-25263RT	627.85	627.74	STORM SEWERS, CLASS A, TYPE 2 12"	550A0340	2	4.1	21	0.52%	
P-25304	S-25304	S-25213	626.08	625.80	STORM SEWERS, CLASS A, TYPE 2 15"	550A0360	2	59.4	84	0.33%	

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	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - OIU	REVISED -
PLOT DATE = 3/18/2024	DATE - 3/18/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES  
SCHEDULE OF QUANTITIES**

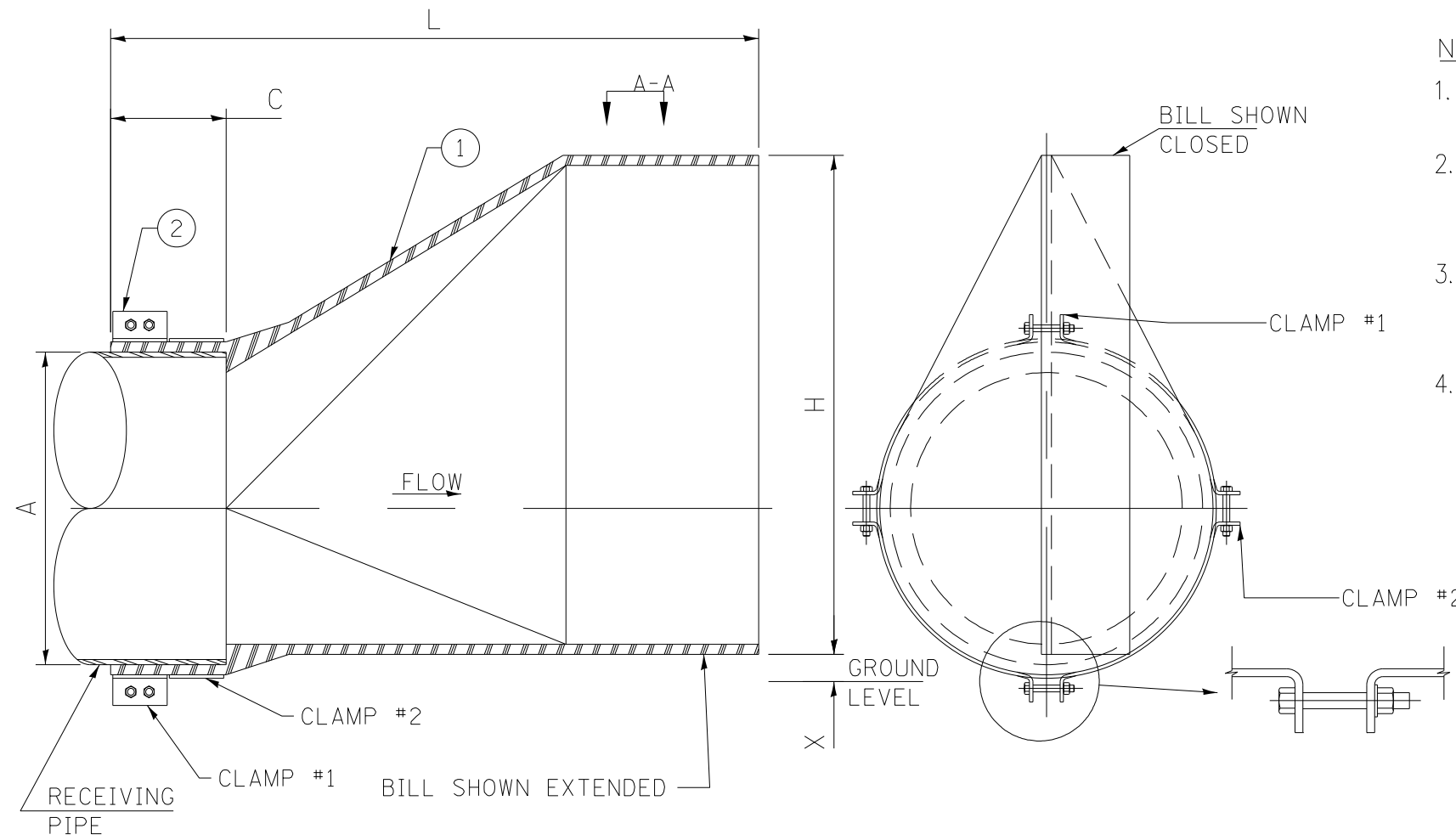
SCALE: 1"=20' SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	64
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

ITEM	QTY.*	DESCRIPTION
1	1	CHECK VALVE SLEEVE
2	2	MOUNTING CLAMP

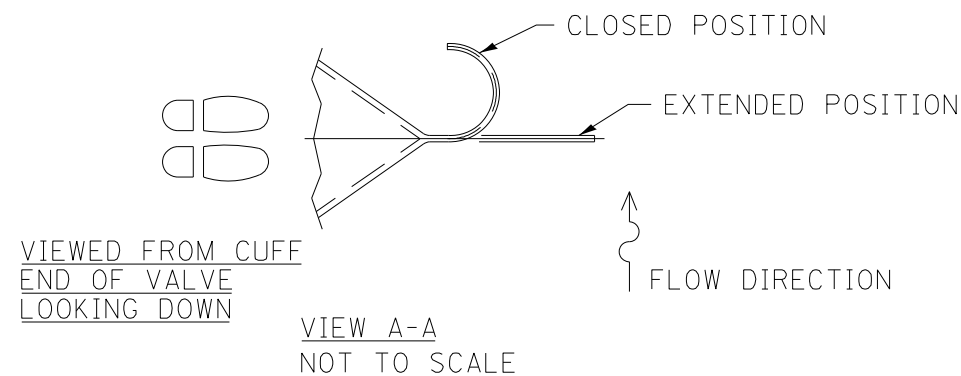
\*PER EACH

## CHECK VALVE



### NOTES:

1. VALVE IS TO BE MOUNTED WITH THE OUTLET IN THE VERTICAL POSITION
2. CHECK VALVE TO FIT ON A 23", 30", 44" O.D. PIPE (INSIDE DIAMETER 18", 24", 36", STRUCTURES S-24228, S-24416 AND S-24558).
3. BECAUSE OF SAND, ROCK, AND OTHER DEBRIS ACCUMULATION BY BACKFLOW OF WATER THE SUGGESTED BOTTOM CLEARANCE SHOULD BE PROVIDED.
4. VALVE IS TO BE ATTACHED TO THE PIPE WITHIN AN END SECTION. THE PIPE SHALL BE EXTRUDED FROM THE BACKWALL OF THE END SECTION TO THE CUFF LENGTH SPECIFIED FOR THE PIPE DIAMETER. THE END SECTION MAY NEED TO BE ALTERED TO ATTACH THE CHECK VALVE.



DIMENSIONS TABLE

PIPE O.D. (A)	LENGTH (L)	BILL HEIGHT (H)	CUFF LENGTH (L)	MIN. CLEARANCE (X)
23"	44.37"	36.75"	8.5"	2.0"
30"	56.81"	55.13"	9.0"	3.0"
44"	65.43"	73.01"	10.0"	4.0"

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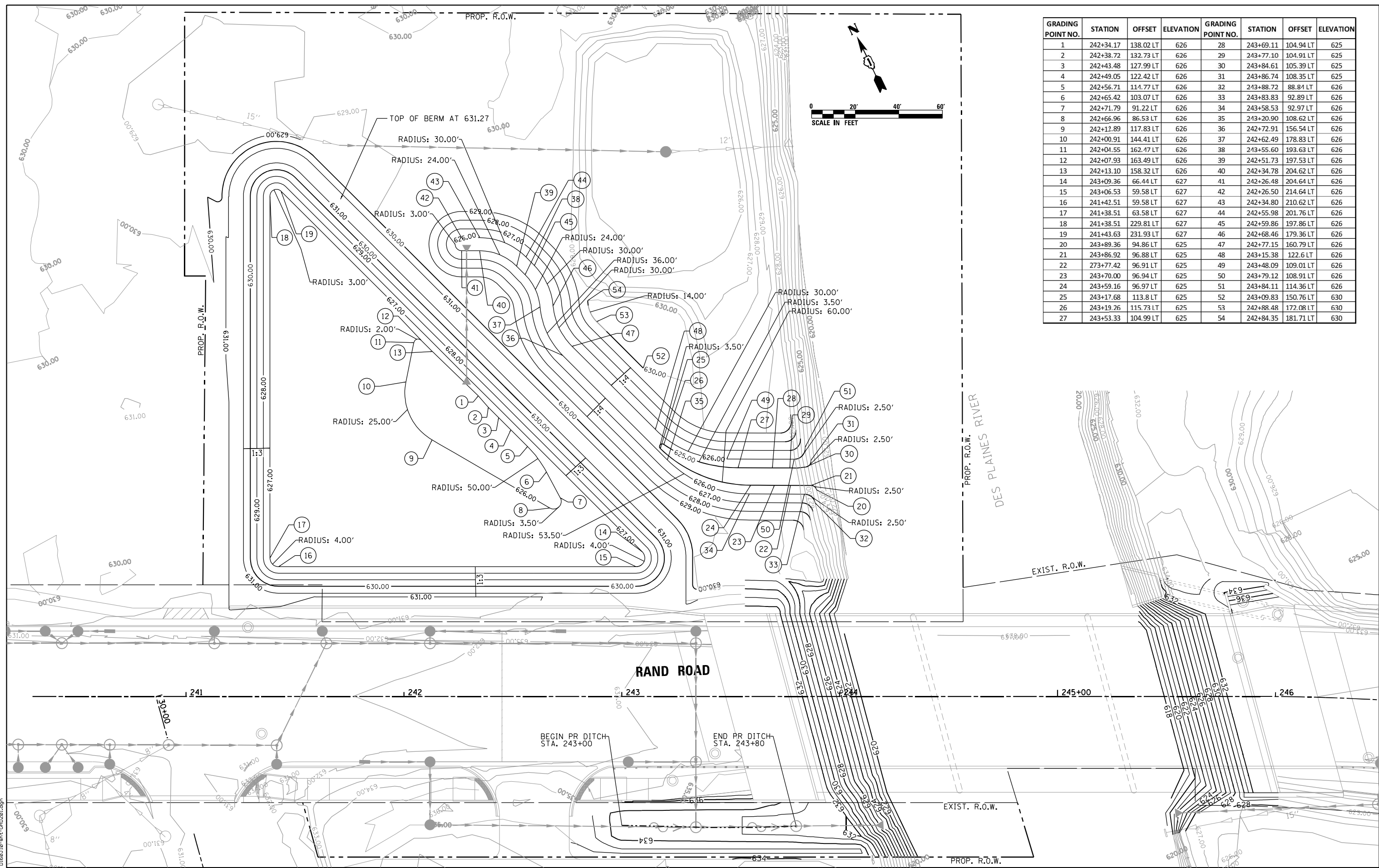
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	DATE - 3/18/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES  
DRAINAGE DETAILS

SCALE: 1"=20' SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	65
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



GRADING POINT NO.	STATION	OFFSET	ELEVATION	GRADING POINT NO.	STATION	OFFSET	ELEVATION
1	242+34.17	138.02 LT	626	28	243+69.11	104.94 LT	625
2	242+38.72	132.73 LT	626	29	243+77.10	104.91 LT	625
3	242+43.48	127.99 LT	626	30	243+84.61	105.39 LT	625
4	242+49.05	122.42 LT	626	31	243+86.74	108.35 LT	625
5	242+56.71	114.77 LT	626	32	243+88.72	88.84 LT	626
6	242+65.42	103.07 LT	626	33	243+83.83	92.89 LT	626
7	242+71.79	91.22 LT	626	34	243+58.53	92.97 LT	626
8	242+66.96	86.53 LT	626	35	243+20.90	108.62 LT	626
9	242+12.89	117.83 LT	626	36	242+72.91	156.54 LT	626
10	242+00.91	144.41 LT	626	37	242+62.49	178.83 LT	626
11	242+04.55	162.47 LT	626	38	243+55.60	193.63 LT	626
12	242+07.93	163.49 LT	626	39	242+51.73	197.53 LT	626
13	242+13.10	158.32 LT	626	40	242+34.78	204.62 LT	626
14	243+09.36	66.44 LT	627	41	242+26.48	204.64 LT	626
15	243+06.53	59.58 LT	627	42	242+26.50	214.64 LT	626
16	241+42.51	59.58 LT	627	43	242+34.80	210.62 LT	626
17	241+38.51	63.58 LT	627	44	242+55.98	201.76 LT	626
18	241+38.51	229.81 LT	627	45	242+59.86	197.86 LT	626
19	241+43.63	231.93 LT	627	46	242+68.46	179.36 LT	626
20	243+89.36	94.86 LT	625	47	242+77.15	160.79 LT	626
21	243+86.92	96.88 LT	625	48	243+15.38	122.6 LT	626
22	273+77.42	96.91 LT	625	49	243+48.09	109.01 LT	626
23	243+70.00	96.94 LT	625	50	243+79.12	108.91 LT	626
24	243+59.16	96.97 LT	625	51	243+84.11	114.36 LT	626
25	243+17.68	113.8 LT	625	52	243+09.83	150.76 LT	630
26	243+19.26	115.73 LT	625	53	242+88.48	172.08 LT	630
27	243+53.33	104.99 LT	625	54	242+84.35	181.71 LT	630

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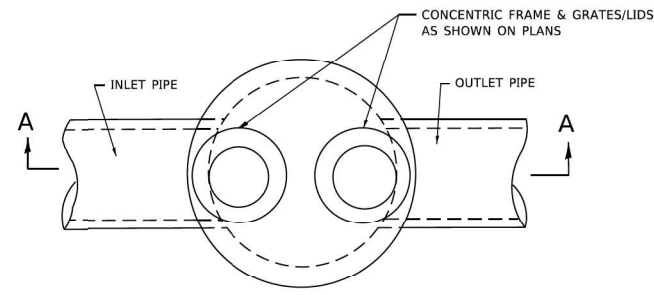
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

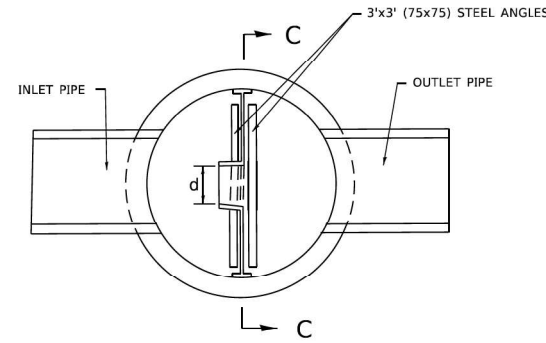
**DRAINAGE AND UTILITIES  
 COMPENSATORY DRAINAGE AREA AND DITCH GRADING DETAILS**  
 SCALE: 1"=20' SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 66
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

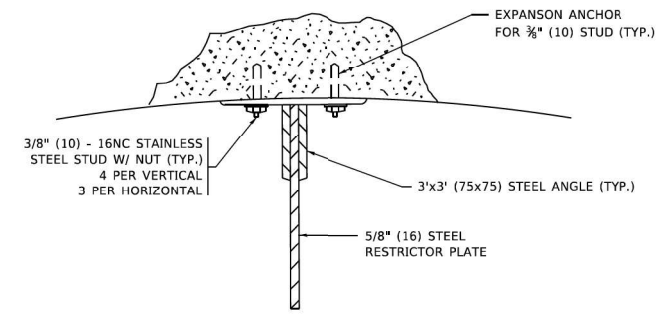




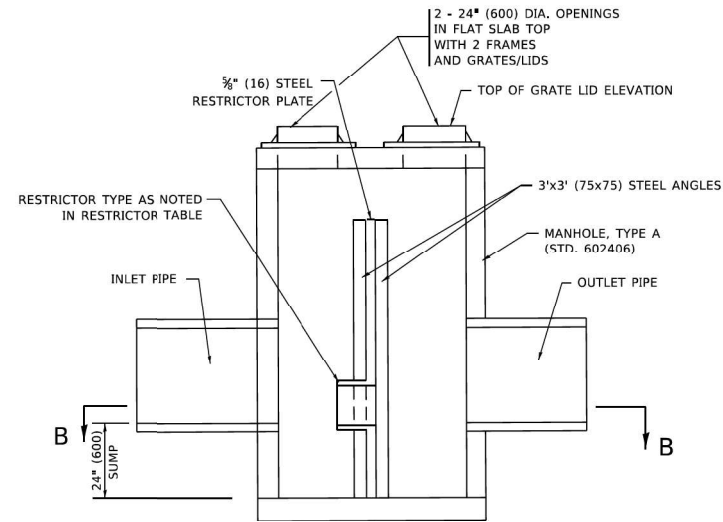
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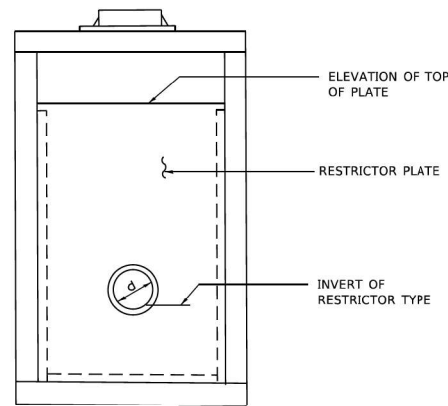
**SECTION B-B**



**ANGLE FASTENER DETAIL**



**SECTION A-A**



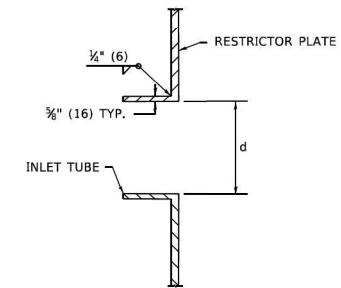
**SECTION C-C**

**NOTES:**

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.

**BASIS OF PAYMENT:**

1. TO BE PAID FOR AS \*MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE\* EACH
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.

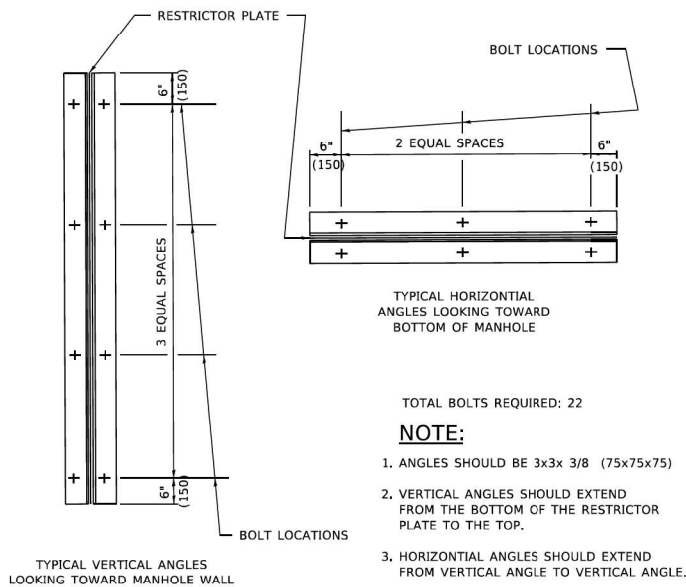


**INLET TUBE DETAIL**

S-24380

STATION AND OFFSET	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
243+80.00	6'	T1-0L	3	17"	624.00	630.90

RIM ELEVATION: 632.86



**STEEL ANGLE BOLTING DETAILS**

**NOTE:**

1. ANGLES SHOULD BE 3x3x 3/8 (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

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

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

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PLOT DATE = 2/2/2022	DATE - 09-09-94	REVISED - M. GOMEZ 01-08-01
		REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MANHOLE WITH RESTRICTOR PLATE**  
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD600-04	(BD-12)			
CONTRACT NO.			ILLINOIS	FED. AID PROJECT

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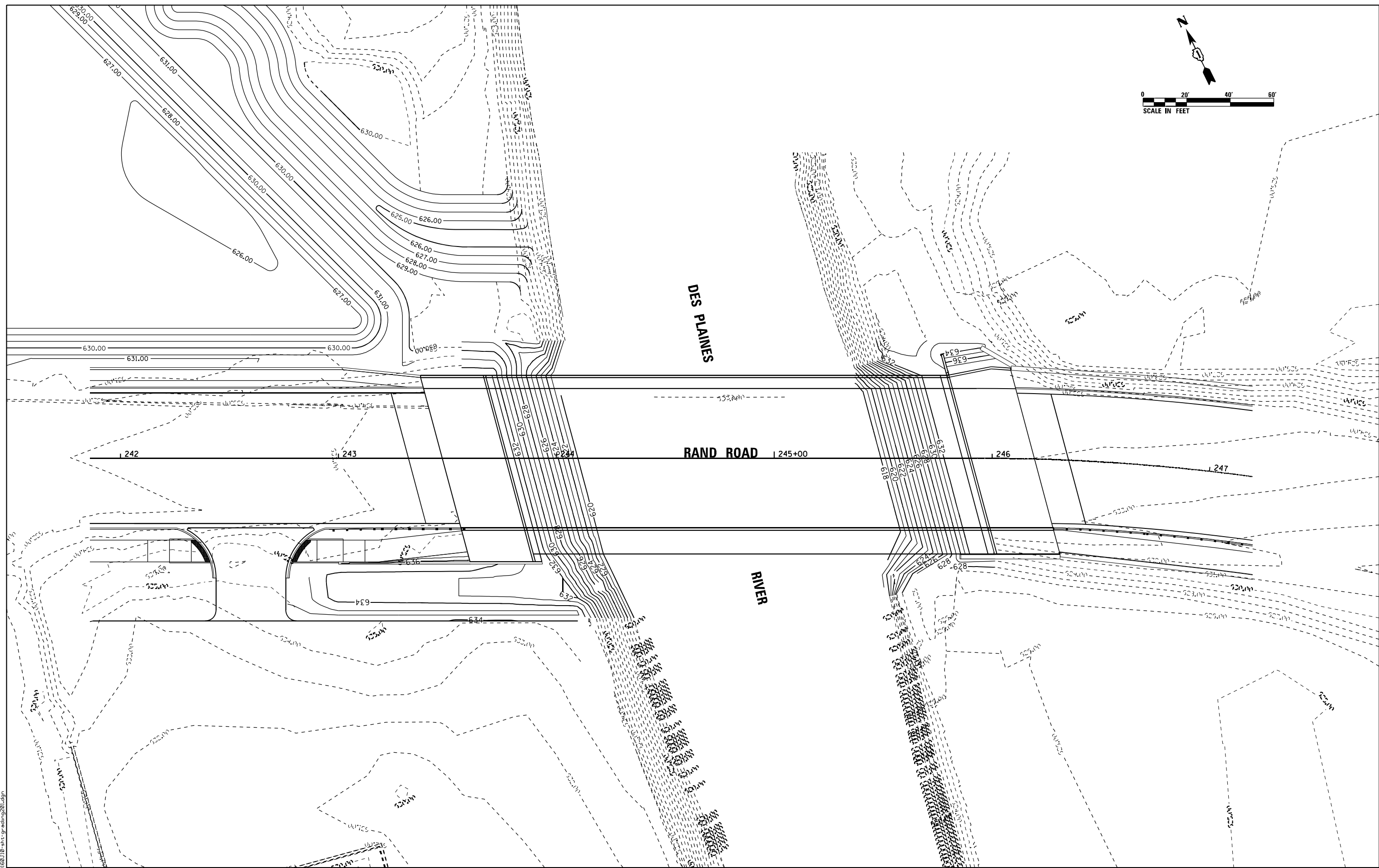
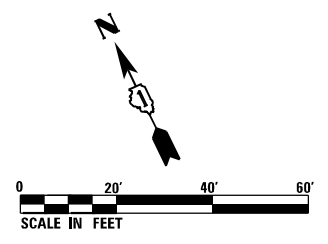
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES MANHOLE RESTRICTOR DETAILS**  
SCALE: 1"=20' SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	67
CONTRACT NO. 60J10			ILLINOIS	FED. AID PROJECT





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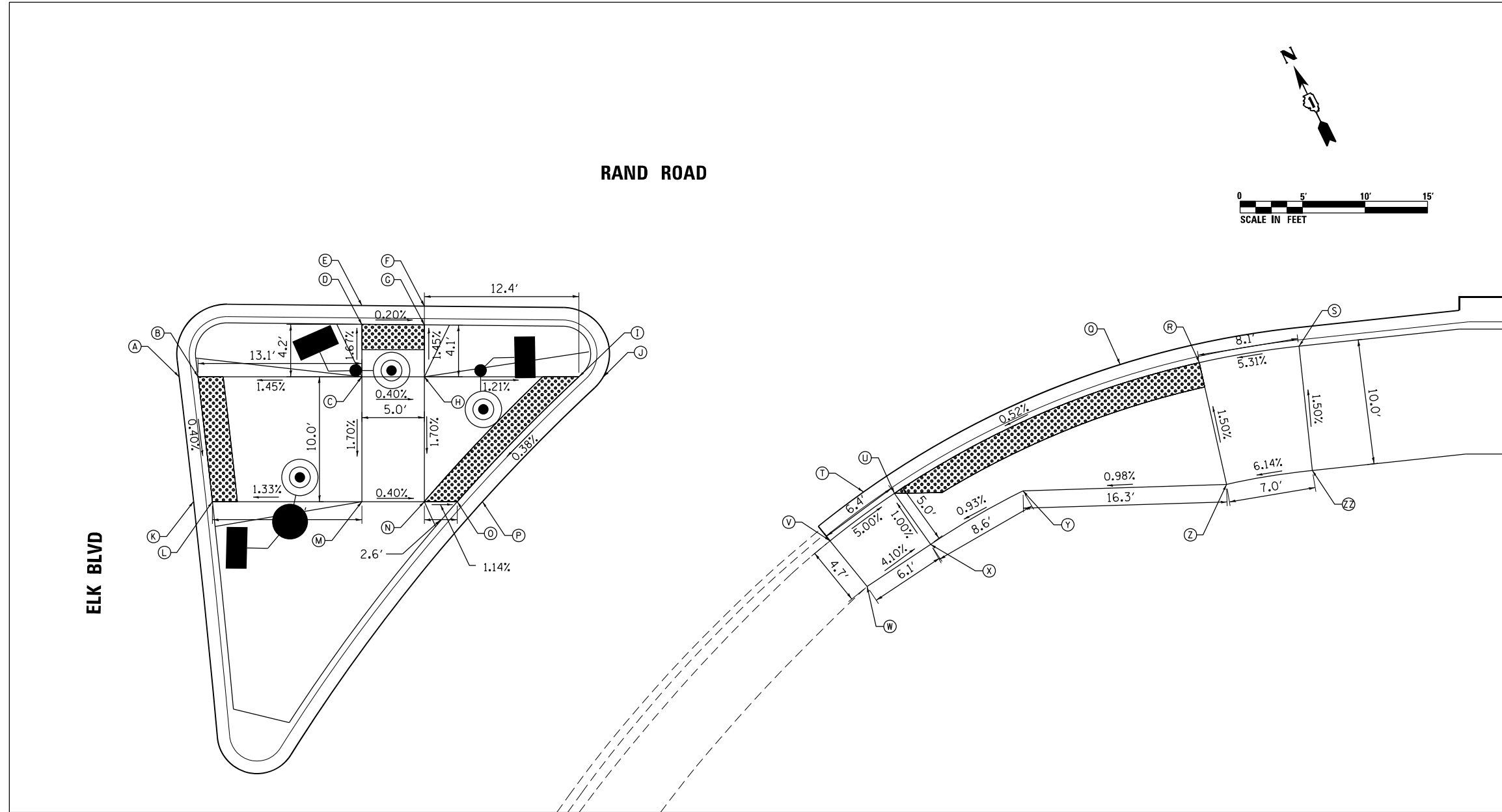
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
ABUTMENT GRADING**

SCALE: 1" = 20'    SHEET 1 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 68
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

ADA PEDESTRIAN RAMPS AT  
RAND ROAD AND ELK BLVD



ELK BLVD

RAND ROAD

POINT NO.	STATION	OFFSET	SIDE	ELEVATION
A	233+21.13	37.65'	RT	634.39
B	233+22.64	37.65'	RT	634.38
C	233+35.76	37.65'	RT	634.57
D	233+35.76	33.45'	RT	634.50
E	233+35.76	31.95'	RT	634.51
F	233+40.76	32.00'	RT	634.50
G	233+40.76	33.50'	RT	634.49
H	233+40.76	37.65'	RT	634.55
I	233+53.14	37.65'	RT	634.40
J	233+55.09	37.65'	RT	634.41
K	233+22.28	47.65'	RT	634.35
L	233+23.79	47.65'	RT	634.34
M	233+35.76	47.65'	RT	634.40
N	233+40.76	47.65'	RT	634.38
O	233+43.40	47.65'	RT	634.35
P	233+45.41	47.65'	RT	634.36

POINT NO.	STATION	OFFSET	SIDE	ELEVATION
Q	233+94.47	37.65'	RT	634.34
R	234+02.80	36.52'	RT	634.39
S	234+10.78	35.21'	RT	634.82
T	233+21.13	37.65'	RT	634.25
U	233+21.13	37.65'	RT	634.25
V	233+73.23	50.79'	RT	634.57
W	233+76.21	54.45'	RT	634.53
X	233+81.28	51.07'	RT	634.30
Y	233+88.68	46.79'	RT	634.38
Z	234+04.98	46.28'	RT	634.54
ZZ	234+11.85	45.15'	RT	634.97

NOTES:

- ALL STATIONS ARE RELATIVE TO RAND ROAD CENTERLINE

LEGEND

 DETECTABLE WARNING SURFACE

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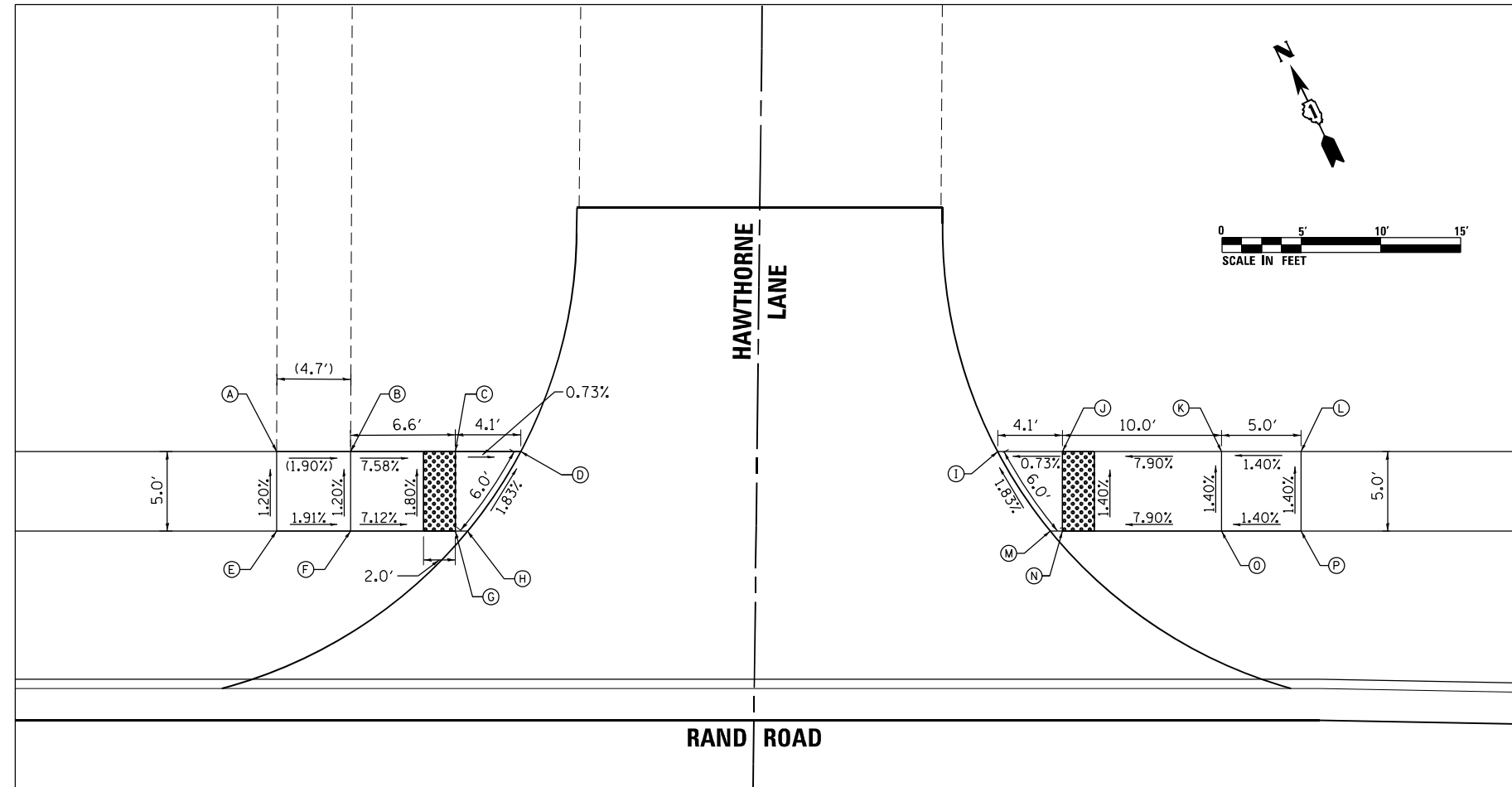
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
ADA RAMPS

SCALE: 1" = 5' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	69
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**ADA PEDESTRIAN RAMPS AT  
RAND ROAD AND HAWTHORNE LANE**




POINT NO.	STATION	OFFSET	SIDE	ELEVATION
A	237+29.42	49.64'	LT	634.02
B	237+34.07	49.64'	LT	633.93
C	237+40.66	49.64'	LT	633.43
D	237+44.77	49.64'	LT	633.40
E	237+29.42	44.64'	LT	634.08
F	237+34.07	44.64'	LT	633.99
G	237+40.66	44.64'	LT	633.52
H	237+41.42	44.64'	LT	633.51
I	237+74.76	49.64'	LT	632.92
J	237+78.83	49.64'	LT	632.95
K	237+88.83	49.64'	LT	633.74
L	237+93.83	49.64'	LT	633.81
M	237+78.08	44.64'	LT	633.03
N	237+78.83	44.64'	LT	633.02
O	237+88.83	44.64'	LT	633.81
P	237+93.83	44.64'	LT	633.88

**NOTES:**

1. ALL STATIONS ARE RELATIVE TO RAND ROAD CENTERLINE

**LEGEND**

 DETECTABLE WARNING SURFACE

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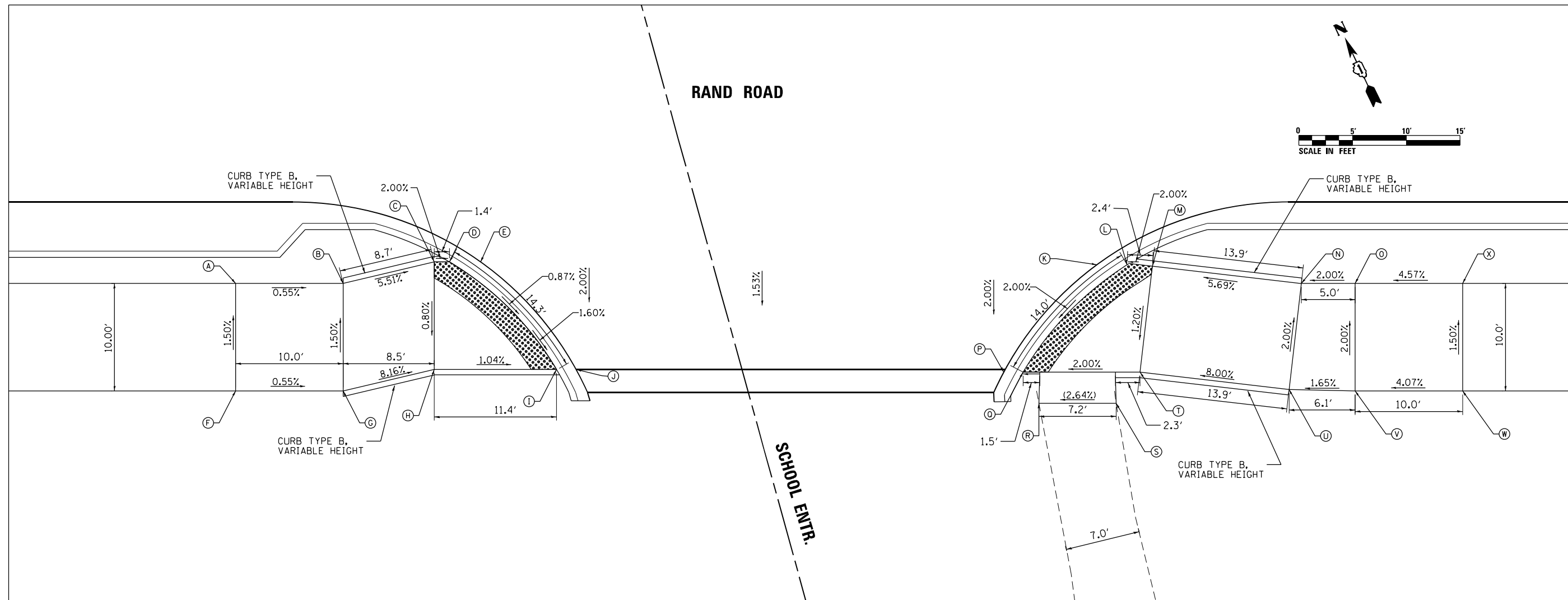
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
ADA RAMPS**

SCALE: 1" = 5' SHEET 4 OF 7 SHEETS STA. 236+50.00 TO STA. 238+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	70
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

# ADA PEDESTRIAN RAMPS AT RAND ROAD AND SCHOOL ENTR.



POINT NO.	STATION	OFFSET	SIDE	ELEVATION	POINT NO.	STATION	OFFSET	SIDE	ELEVATION
A	240+51.69	37.58'	RT	631.72	K	241+31.79	35.84'	RT	631.46
B	240+61.69	37.58'	RT	631.67	L	241+34.60	35.84'	RT	631.50
C	240+70.17	35.58'	RT	631.19	M	241+35.81	35.84'	RT	631.54
D	240+74.48	35.58'	RT	631.15	N	241+50.81	37.58'	RT	632.34
E	240+78.44	37.58'	RT	631.13	O	241+55.81	37.58'	RT	632.44
F	240+51.69	47.58'	RT	631.87	P	241+23.13	45.84'	RT	631.19
G	240+61.69	47.58'	RT	631.82	Q	241+24.93	45.84'	RT	631.20
H	240+70.17	45.58'	RT	631.11	R	241+26.40	48.73'	RT	631.25*
I	240+81.54	45.58'	RT	630.88	S	241+33.59	48.73'	RT	631.44*
J	240+83.36	45.58'	RT	630.98	T	241+35.81	45.84'	RT	631.42
					U	241+49.66	47.45'	RT	632.54
					V	241+55.81	47.58'	RT	632.64
					W	241+65.81	47.58'	RT	633.04
					X	241+65.81	37.58'	RT	632.89

**NOTES:**

1. ALL STATIONS ARE RELATIVE TO RAND ROAD CENTERLINE

\*MATCH EXISTING SCHOOL SIDEWALK ELEVATION

**LEGEND**

DETECTABLE WARNING SURFACE

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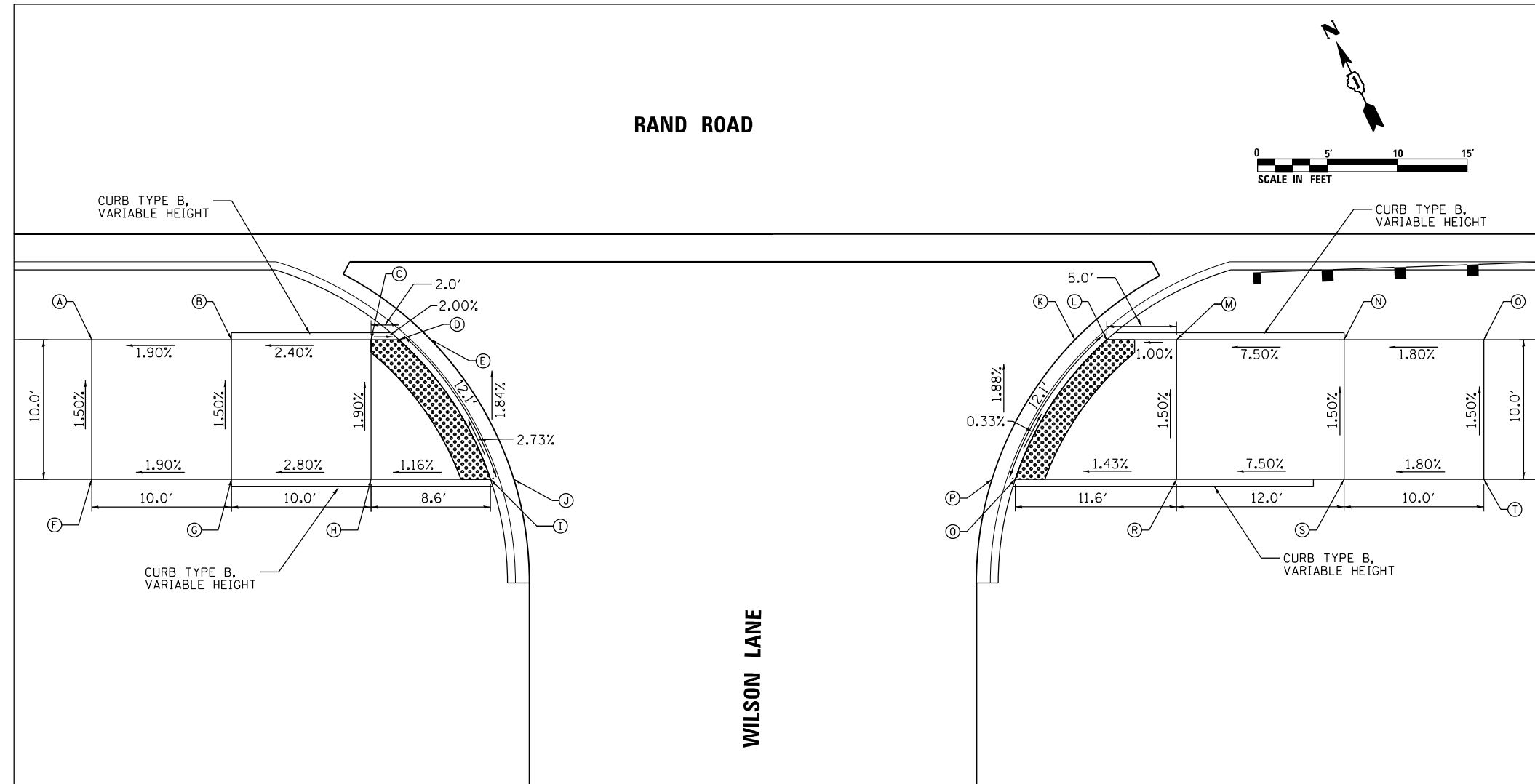
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
ADA RAMPS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	71
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**ADA PEDESTRIAN RAMPS AT  
WILSON LANE AND WILSON LANE CONNECTOR**




POINT NO.	STATION	OFFSET	SIDE	ELEVATION
A	242+12.51	37.58'	RT	633.95
B	242+22.51	37.58'	RT	634.14
C	242+34.51	37.58'	RT	634.38
D	242+36.79	37.58'	RT	634.34
E	242+36.79	37.58'	RT	634.46
F	242+22.51	47.58'	RT	634.10
G	242+41.07	47.58'	RT	634.29
H	242+42.73	47.58'	RT	634.57
I	242+82.92	37.58'	RT	634.67
J	242+42.73	47.58'	RT	634.70
K	242+82.92	37.58'	RT	635.71
L	242+85.20	37.58'	RT	635.68
M	242+87.20	37.58'	RT	635.73
N	242+97.20	37.58'	RT	636.63
O	243+02.20	37.58'	RT	636.81
P	242+76.98	47.58'	RT	635.74
Q	242+78.64	47.58'	RT	635.72
R	242+87.20	47.58'	RT	635.88
S	242+97.20	47.58'	RT	636.78
T	243+02.20	47.58'	RT	636.96

**NOTES:**

- ALL STATIONS ARE RELATIVE TO RAND ROAD CENTERLINE

**LEGEND**

 DETECTABLE WARNING SURFACE

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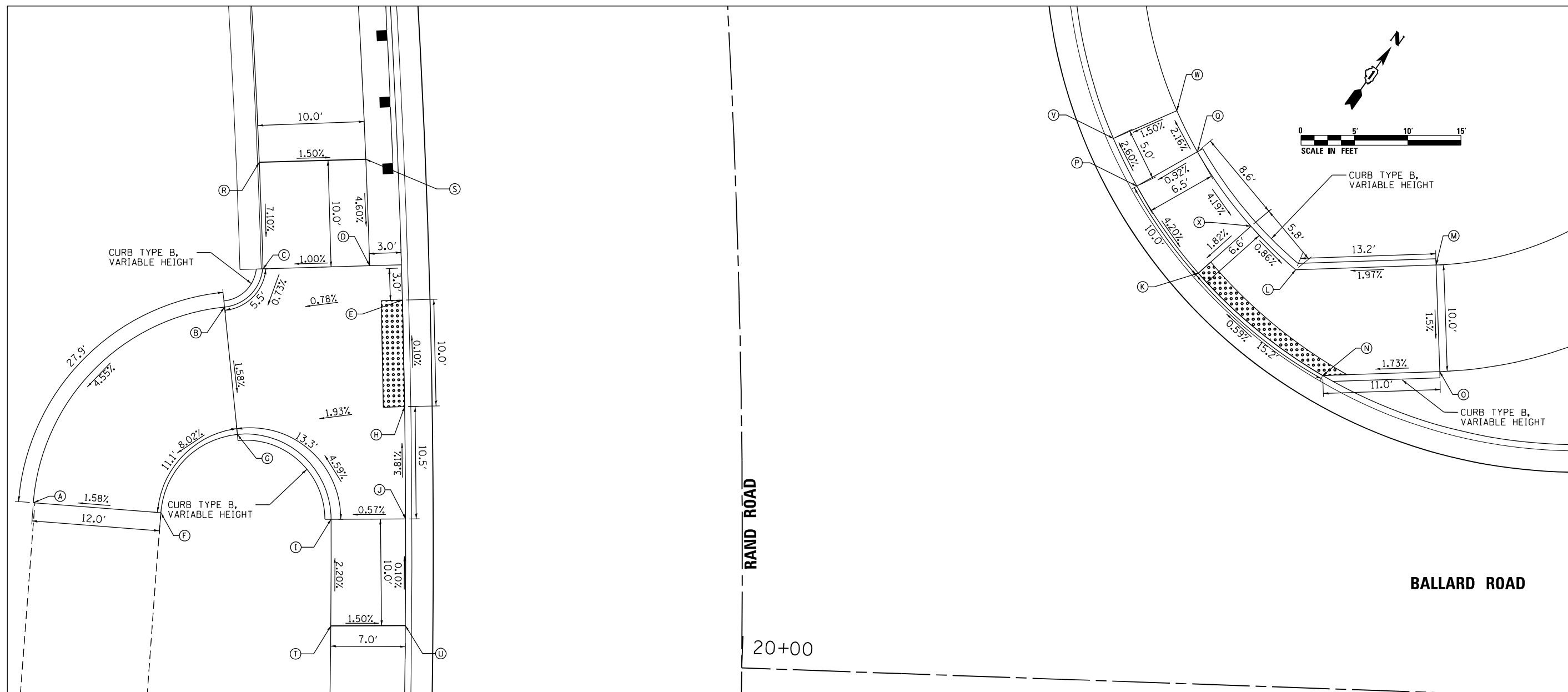
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
ADA RAMPS**

SCALE: 1" = 5' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	72
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

# ADA PEDESTRIAN RAMPS AT RAND ROAD AND BALLARD ROAD



NOTES:  
1. ALL STATIONS ARE RELATIVE TO RAND ROAD CENTERLINE

POINT NO.	STATION	OFFSET	SIDE	ELEVATION
A	250+61.67	66.37'	RT	630.29
B	250+42.43	48.29'	RT	631.56
C	250+38.78	44.62'	RT	631.60
D	250+38.76	34.58'	RT	631.70
E	250+42.19	31.58'	RT	631.69
F	250+62.72	54.56'	RT	630.48
G	250+54.72	45.92'	RT	631.37
H	250+52.53	31.58'	RT	631.68
I	250+63.43	38.00'	LT	631.98
J	250+63.43	31.58'	LT	632.08
K	250+41.61	43.14'	LT	633.12
L	250+41.55	52.28'	LT	633.29
M	250+41.46	65.46'	LT	633.55
N	250+50.99	54.59'	LT	633.21
O	250+50.81	65.58'	LT	633.40
P	250+33.63	37.62'	LT	633.54
Q	250+30.73	43.41'	LT	633.60

POINT NO.	STATION	OFFSET	SIDE	ELEVATION
R	250+28.27	44.58'	RT	632.31
S	250+28.38	34.58'	RT	632.16
T	250+73.85	38.58'	RT	632.20
U	250+73.77	31.58'	RT	632.09
V	250+29.24	35.58'	LT	633.41
W	250+26.98	41.64'	LT	633.51
X	250+37.56	48.18'	LT	633.24

**LEGEND**

- DETECTABLE WARNING SURFACE
- SIGNAL POST
- PEDESTRIAN PUSH-BUTTON

FILE NAME = D:\62110-h-rand-ada-ramp-1185.dgn

**WATER MAIN NOTES**

1. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
2. ALL HYDRANTS AND AUXILIARY VALVES, FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BE RETURNED TO THE CITY OF DES PLAINES.
3. WHERE STORM SEWER MAIN HAS A HORIZONTAL SEPARATION OF LESS THAN 10 FEET TO A WATER MAIN, OR CROSS OVER/UNDER A WATER MAIN, THE STORM SEWER AND WATER MAIN CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", MOST CURRENT EDITION.
4. LOCATION AND SIZES OF ALL CONNECTIONS TO EXISTING WATER MAINS AND SERVICE LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
5. THE STANDARD SPECIFICATIONS UNLESS OTHERWISE SHOWN ON THE APPROVED ROAD ENGINEERING PLANS FOR ALL WATER MAIN CONSTRUCTION SHALL BE: "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION.
6. THE FOLLOWING MATERIALS ARE CITY OF DES PLAINES STANDARDS. NO VARIATION FROM THE APPROVED STANDARDS WILL BE ACCEPTED.
  - WATER MAIN PIPE:  
WATER MAIN SHALL BE DUCTILE IRON PIPE AWWA C-151, CLASS 52, AND AWWA C-111/A21.11 PUSH ON JOINTS (OR MECHANICAL), WITH AWWA C-153/A21.53 FITTINGS, ALL WITH AWWA C-104 CEMENT MORTAR LINING. POLYETHYLENE ENCASEMENT SHALL CONFORM TO AWWA C105/A21.5.
  - FIRE HYDRANT:  
FIRE HYDRANTS SHALL BE MUELLER COMPANY SUPER CENTURION 250 CATALOG NO. A-423 WITH 5 1/4" AUXILIARY GATE VALVE CATALOG NO. A-2360.
  - GATE VALVE:  
GATE VALVES SHALL BE MUELLER COMPANY CATALOG NO. A-2360.
  - BEDDING:  
PIPE BEDDING SHALL BE CRUSHED CA-11 OR CA-13.
  - TRENCH BACKFILL:  
AGGREGATE SHALL BE CRUSHED CA-6. SAMPLES OF ALL MATERIALS SHALL BE FURNISHED TO THE CITY OF DES PLAINES ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO INCORPORATING ANY MATERIAL IN THE PROPOSED CONSTRUCTION.
  - VALVE VAULTS:  
EAST JORDAN IRON WORKS COMPANY CATALOG NO. 1022-1, SPECIFY H.D. COVER (325"), "WATER" IMPRINT ON LID. (FOR 4" HIGH FRAME, SPECIFY EAST JORDAN IRON WORKS COMPANY CATALOG NO. 1037Z FRAME).  
OR  
NEENAH FOUNDRY COMPANY CATALOG NO. R-1772-B, SPECIFY "WATER" IMPRINT ON LID. (FOR 4" HIGH FRAME, USE NEENAH FOUNDRY COMPANY CATALOG NO. R-1647A.)
  - STEPS:  
STEPS MAY BE POLYPROPYLENE COATED STEEL REINFORCING RODS AND SHALL MEET OSHA STANDARDS FOR LOAD AND PULLOUT RATINGS OR AS APPROVED BY THE CITY ENGINEER.
  - EXPLORATION TRENCH:  
EXPLORATION TRENCHES SHALL BE 72" IN DEPTH, MEASURED FROM THE EXISTING GROUND ELEVATION.
  - WATER MAIN LINE STOP:  
LINE STOPS SHALL BE ADVANCE VALVE TECHNOLOGIES, INC. E22 VALVE SYSTEM.
7. ALL PUBLIC WATER MAIN IMPROVEMENTS REQUIRE INSPECTION NOTIFICATION PRIOR TO ANY CONSTRUCTION. NOTIFY THE ENGINEERING DEPARTMENT, (847)391-5390 TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION TO ARRANGE FOR REQUIRED INSPECTIONS.
8. ALL MATERIAL TO BE INCORPORATED INTO THE PUBLIC IMPROVEMENTS REQUIRES INSPECTION AND APPROVAL PRIOR TO ANY CONSTRUCTION.
9. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO PERFORM APPLICABLE RESTORATION WILL NOT BE PAID SEPARATELY AND IS INCLUDED IN THE UNIT PRICES OF THE CONTRACT.
10. IN THE AREAS WHERE TRAFFIC WILL BE RESTORED AFTER WATERMAIN CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT. SEE ROADWAY TYPICAL SECTIONS FOR THE HOT-MIX ASPHALT MIX REQUIREMENTS TABLE.
11. THE VILLAGE OF DES PLAINES WATER DEPARTMENT SHALL BE RESPONSIBLE FOR TURNING WATER MAIN VALVES ON AND OFF. THE CONTRACTOR IS NOT ALLOWED TO TURN THE WATER MAIN VALVES ON AND OFF.

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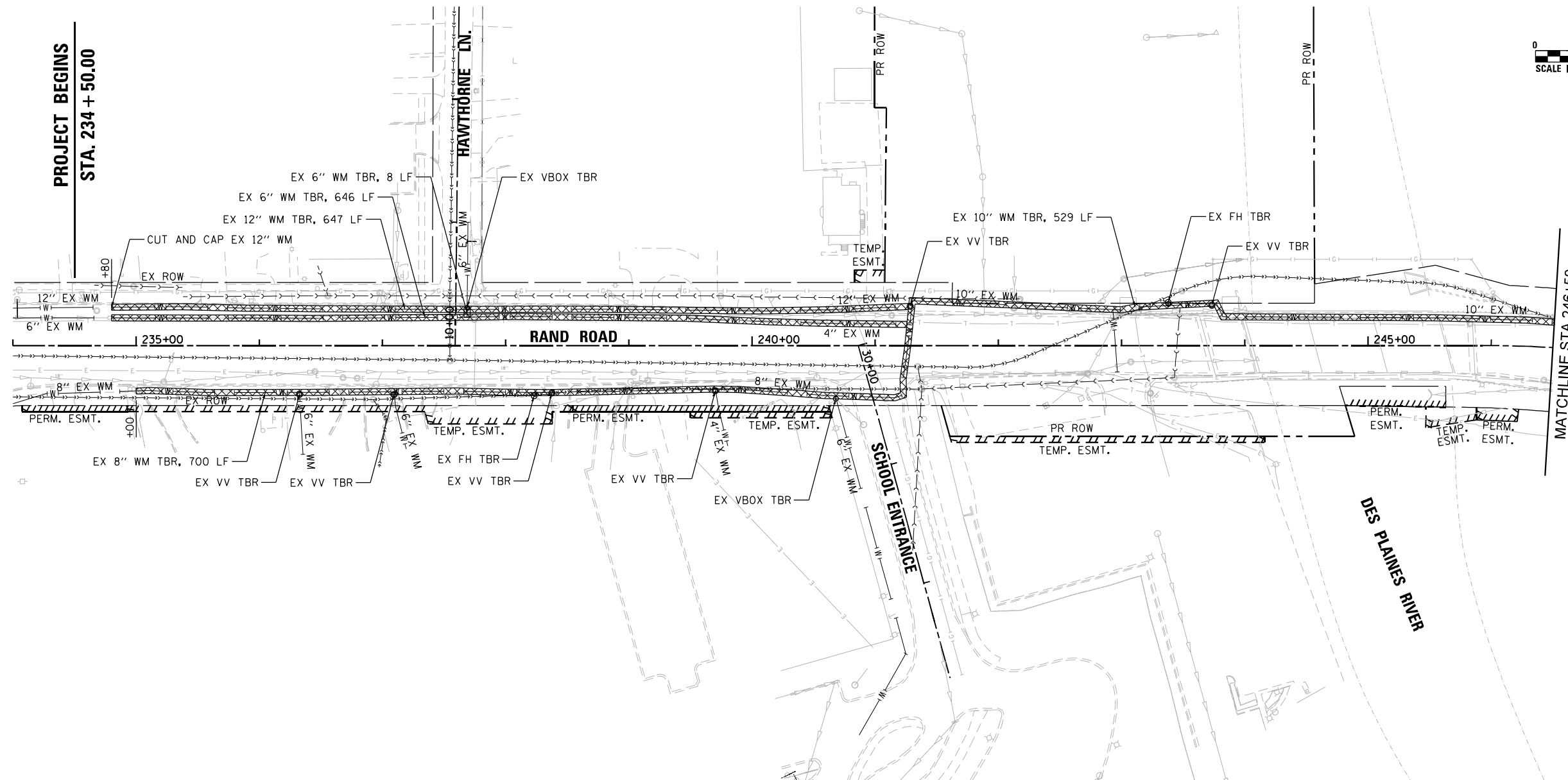
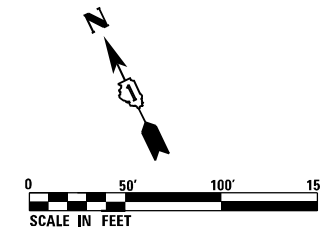
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLANS  
GENERAL NOTES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	74
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**REMOVAL LEGEND**

WATER MAIN REMOVAL

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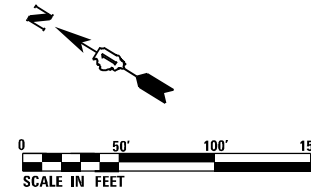
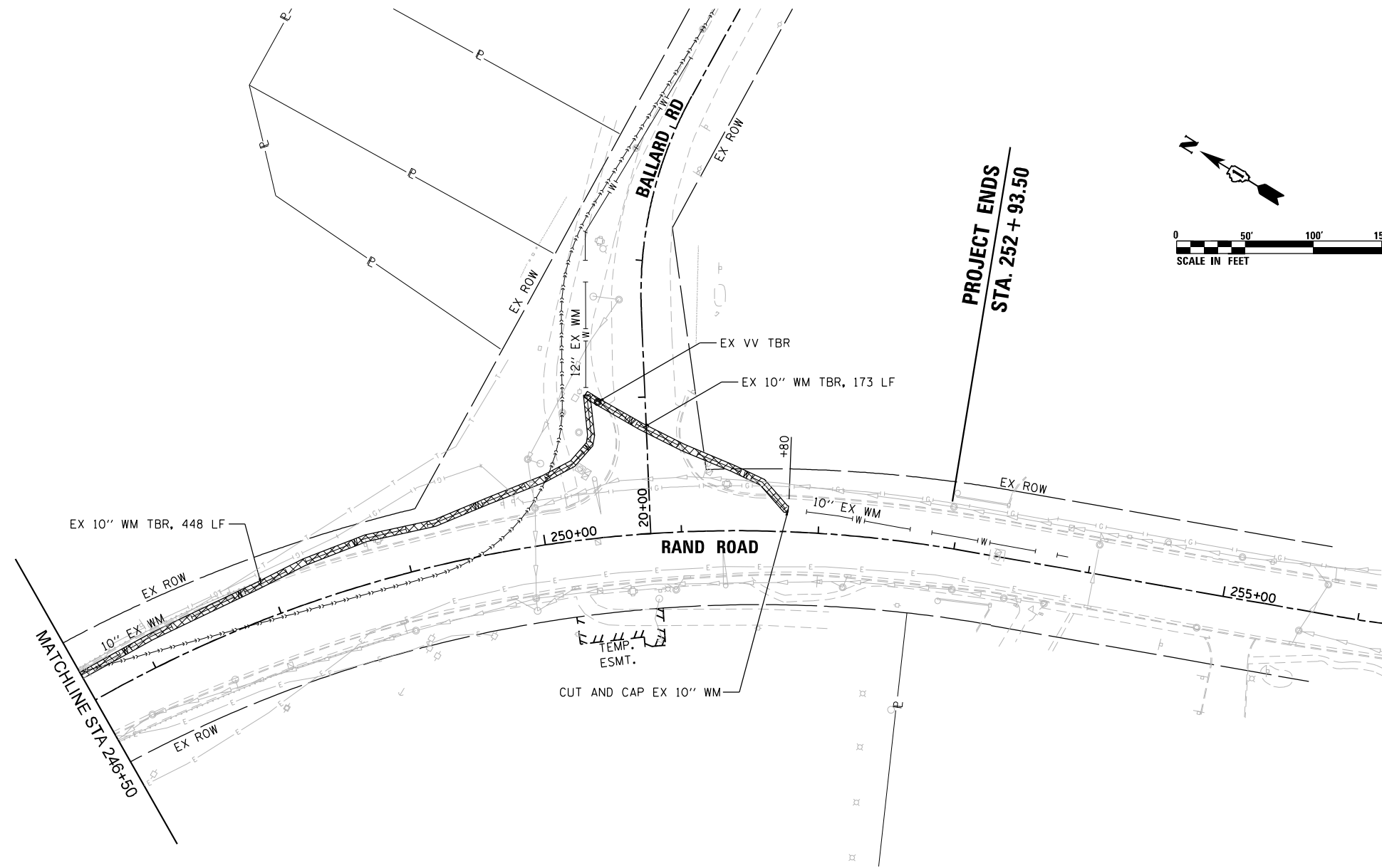
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLANS  
REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 234+50.00 TO STA. 246+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	75
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





**REMOVAL LEGEND**

 WATER MAIN REMOVAL

FILE NAME = D:\6210-sh-rem21.dgn



USER NAME = EtwileE	DESIGNED - JLB	REVISED -
	DRAWN - JLB	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 06/23/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

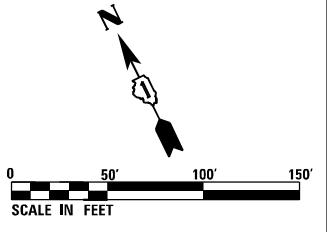
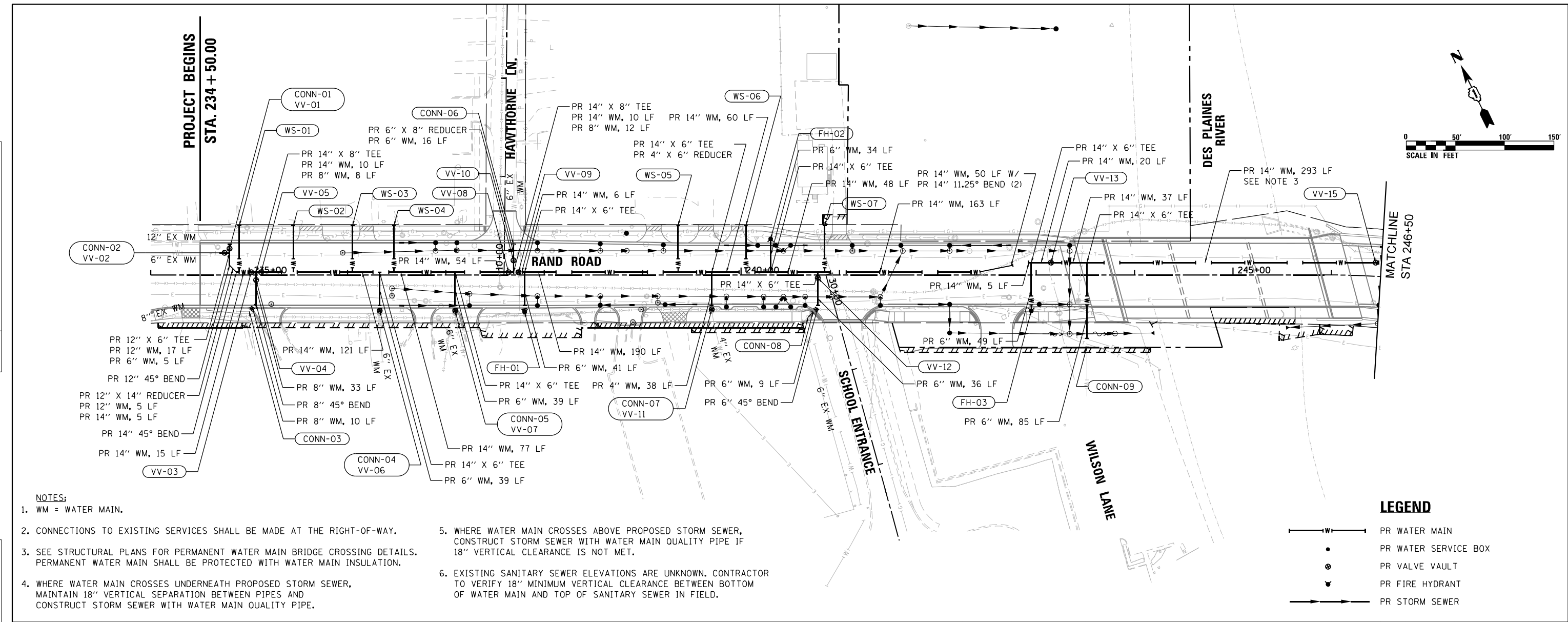
**WATER MAIN PLANS  
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 246+50.00 TO STA. 252+93.50

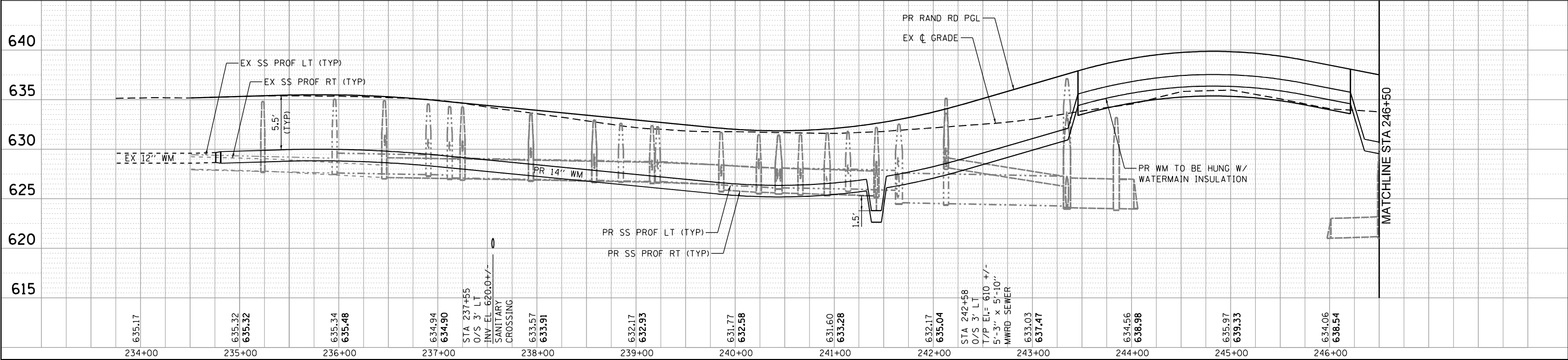
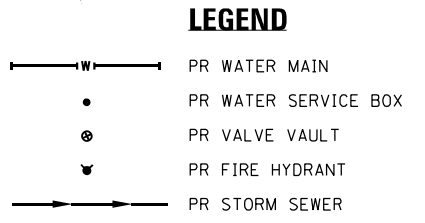
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	76
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLANNED	
CHECKED	
ALIGNED	
FILE NAME	
NO.	

DATE	
BY	
PROFILING	
CHECKED	
GRADES	
STRUCTURE	
NOTATIONS	
NO.	



- NOTES:**
- WM = WATER MAIN.
  - CONNECTIONS TO EXISTING SERVICES SHALL BE MADE AT THE RIGHT-OF-WAY.
  - SEE STRUCTURAL PLANS FOR PERMANENT WATER MAIN BRIDGE CROSSING DETAILS. PERMANENT WATER MAIN SHALL BE PROTECTED WITH WATER MAIN INSULATION.
  - WHERE WATER MAIN CROSSES UNDERNEATH PROPOSED STORM SEWER, MAINTAIN 18" VERTICAL SEPARATION BETWEEN PIPES AND CONSTRUCT STORM SEWER WITH WATER MAIN QUALITY PIPE.
  - WHERE WATER MAIN CROSSES ABOVE PROPOSED STORM SEWER, CONSTRUCT STORM SEWER WITH WATER MAIN QUALITY PIPE IF 18" VERTICAL CLEARANCE IS NOT MET.
  - EXISTING SANITARY SEWER ELEVATIONS ARE UNKNOWN. CONTRACTOR TO VERIFY 18" MINIMUM VERTICAL CLEARANCE BETWEEN BOTTOM OF WATER MAIN AND TOP OF SANITARY SEWER IN FIELD.



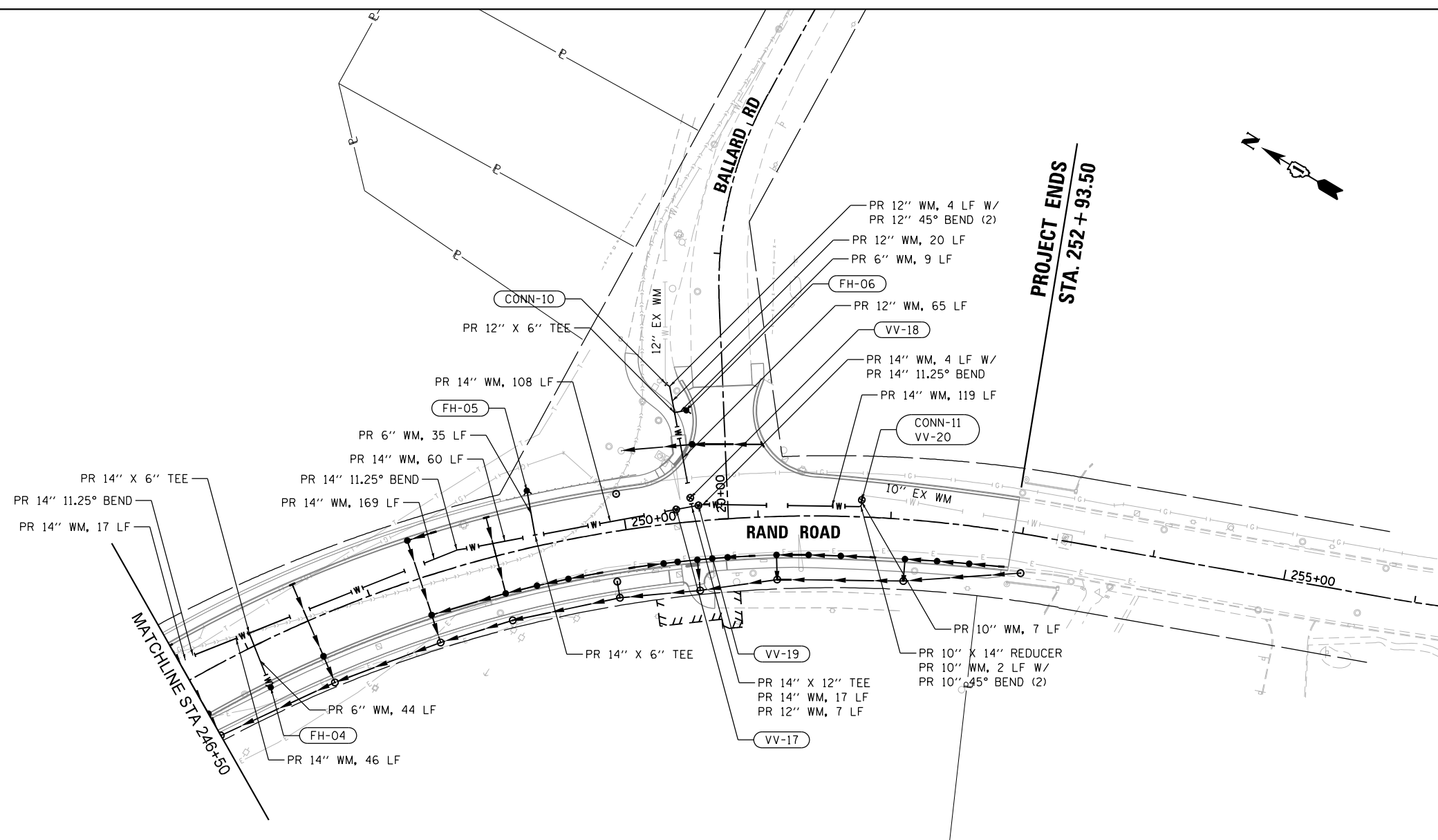
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	USER NAME = EtwileE	DESIGNED - JLB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WATER MAIN PLANS</b> <b>PLAN &amp; PROFILE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1"	CHECKED - MXF	REVISED -		SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS	STA. 234+50.00 TO STA. 246+50.00	3523	120-Y-B	COOK	267	77
	PLOT DATE = 3/18/2024	DATE - 06/23/2023	REVISED -					CONTRACT NO. 60J10 ILLINOIS FED. AID PROJECT				

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

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

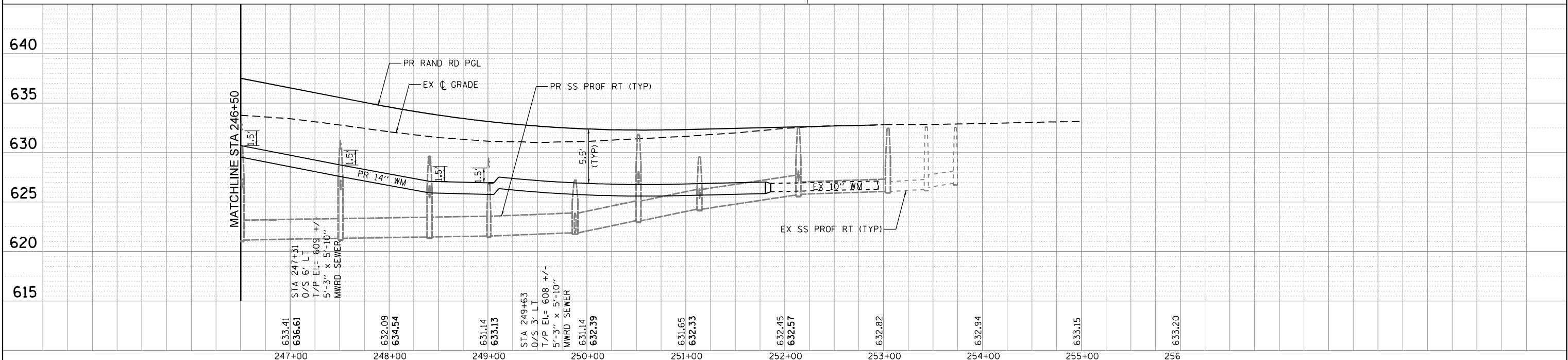
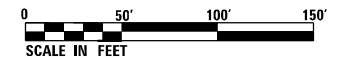
FILE NAME = D:\6010\p11203.dgn



- NOTES:**
1. WM = WATER MAIN.
  2. WHERE WATER MAIN CROSSES UNDERNEATH PROPOSED STORM SEWER, MAINTAIN 18" VERTICAL SEPARATION BETWEEN PIPES AND CONSTRUCT STORM SEWER WITH WATER MAIN QUALITY PIPE.
  3. WHERE WATER MAIN CROSSES ABOVE PROPOSED STORM SEWER, CONSTRUCT STORM SEWER WITH WATER MAIN QUALITY PIPE IF 18" VERTICAL CLEARANCE IS NOT MET.
  4. EXISTING SANITARY SEWER ELEVATIONS ARE UNKNOWN. CONTRACTOR TO VERIFY 18" MINIMUM VERTICAL CLEARANCE BETWEEN BOTTOM OF WATER MAIN AND TOP OF SANITARY SEWER IN FIELD.

**LEGEND**

- PR WATER MAIN
- PR WATER SERVICE BOX
- PR VALVE VAULT
- PR FIRE HYDRANT
- PR STORM SEWER



USER NAME = EtzwieE	DESIGNED - JLB	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JLB	REVISED -
PLOT DATE = 3/18/2024	CHECKED - MMR	REVISED -
	DATE - 06/23/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**WATER MAIN PLANS**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 246+50.00 TO STA. 252+93.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	78
				CONTRACT NO. 60J10
ILLINOIS FED. AID PROJECT				

**WATER SERVICES**

WS-01  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-02  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-03  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-04  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-05  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-06  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

WS-07  
 PR WATER SERVICE LINE, 1.5", 48 LF  
 PR CORPORATION STOP, 1.5"  
 PR CURB STOP, 1.5"  
 PR DOM WATER SERVICE BOX  
 PR WATER SERVICE CONNECTION, 1.5"  
 FIELD VERIFY SERVICE SIZE AND LOCATION

**FIRE HYDRANTS**

FH-01  
 PR FH W/ AUX VALVE & VBOX  
 STA 237+80, O/S 38' RT  
 FINISHED GRADE = 633.96

FH-02  
 PR FH W/ AUX VALVE & VBOX  
 STA 240+30, O/S 37' LT  
 FINISHED GRADE = 631.74

FH-03  
 PR FH W/ AUX VALVE & VBOX  
 STA 242+95, O/S 37' RT  
 FINISHED GRADE = 636.32

FH-04  
 PR FH W/ AUX VALVE & VBOX  
 STA 247+02, O/S 34' RT  
 FINISHED GRADE = 636.31

FH-05  
 PR FH W/ AUX VALVE & VBOX  
 STA 249+33, O/S 43' LT  
 FINISHED GRADE = 633.81

FH-06  
 PR FH W/ AUX VALVE & VBOX  
 STA 250+53, O/S 84' LT  
 FINISHED GRADE = 633.41

**VALVE VAULTS**

VV-01  
 PR WV 12"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 234+80, O/S 27' LT  
 FINISHED GRADE = 634.73

VV-02  
 PR WV 6"  
 PR VV TY A, 4'-DIA, TY 1 FR, CL  
 STA 234+75, O/S 22' LT  
 FINISHED GRADE = 634.80

VV-03  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 235+02, O/S 3' LT  
 FINISHED GRADE = 635.27

VV-04  
 PR WV 8"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 235+07, O/S 5' RT  
 FINISHED GRADE = 635.24

VV-05  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 235+12, O/S 3' LT  
 FINISHED GRADE = 635.30

VV-06  
 PR WV 6"  
 PR VV TY A, 4'-DIA, TY 1 FR, CL  
 STA 236+33, O/S 36' RT  
 FINISHED GRADE = 635.30

VV-07  
 PR WV 6"  
 PR VV TY A, 4'-DIA, TY 1 FR, CL  
 STA 237+09, O/S 36' RT  
 FINISHED GRADE = 635.70

VV-08  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 237+64, O/S 3' LT  
 FINISHED GRADE = 634.22

VV-09  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 237+74, O/S 3' LT  
 FINISHED GRADE = 634.13

VV-10  
 PR WV 8"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 237+69, O/S 15' LT  
 FINISHED GRADE = 633.94

VV-11  
 PR WV 4"  
 PR VV TY A, 4'-DIA, TY 1 FR, CL  
 STA 239+70, O/S 35' RT  
 FINISHED GRADE = 632.20

VV-12  
 PR WV 6"  
 PR VV TY A, 4'-DIA, TY 1 FR, CL  
 STA 240+78, O/S 3' RT  
 FINISHED GRADE = 631.89

VV-13  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 243+15, O/S 13' LT  
 FINISHED GRADE = 636.78

VV-14  
 NOT USED

VV-15  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 246+45, O/S 14' LT  
 FINISHED GRADE = 637.32

VV-16  
 NOT USED

VV-17  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 250+39, O/S 10' LT  
 FINISHED GRADE = 632.50

VV-18  
 PR WV 12"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 250+50, O/S 18' LT  
 FINISHED GRADE = 632.61

VV-19  
 PR WV 14"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 250+56, O/S 12' LT  
 FINISHED GRADE = 632.52

VV-20  
 PR WV 10"  
 PR VV TY A, 5'-DIA, TY 1 FR, CL  
 STA 251+78, O/S 13' LT  
 FINISHED GRADE = 632.78

**CONNECTIONS TO EXISTING WATER MAIN**

CONN-01  
 PR PRESSURE CONNECTION TO EX WM (12" X 12")  
 STA 234+80, O/S 31' LT

CONN-02  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 8" 45° BEND FOR CONNECTION  
 STA 234+70, O/S 22' LT

CONN-03  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" COUPLING SLEEVE FOR CONNECTION  
 STA 235+00, O/S 37' RT

CONN-04  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" COUPLING SLEEVE FOR CONNECTION  
 STA 236+33, O/S 40' RT

CONN-05  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" COUPLING SLEEVE FOR CONNECTION  
 STA 237+09, O/S 40' LT

CONN-06  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" COUPLING SLEEVE FOR CONNECTION  
 STA 237+69, O/S 31' RT

CONN-07  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 4" COUPLING SLEEVE FOR CONNECTION  
 STA 239+70, O/S 37' RT

CONN-08  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" 45° BEND FOR CONNECTION  
 STA 240+68, O/S 43' RT

CONN-09  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 6" COUPLING SLEEVE FOR CONNECTION  
 STA 243+51, O/S 73' RT  
 FIELD VERIFY SERVICE SIZE AND LOCATION

CONN-10  
 PR NON-PRESSURE CONNECTION TO EX WM  
 PR 12" COUPLING SLEEVE FOR CONNECTION  
 STA 250+41, O/S 105' LT

CONN-11  
 PR PRESSURE CONNECTION TO EX WM (10" X 10")  
 STA 251+78, O/S 16' LT

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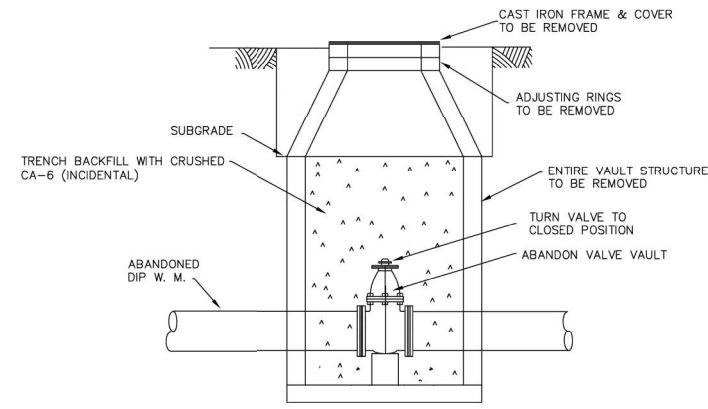
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	DRAWN - JLB	REVISED -
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PLOT DATE = 3/18/2024	DATE - 06/23/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

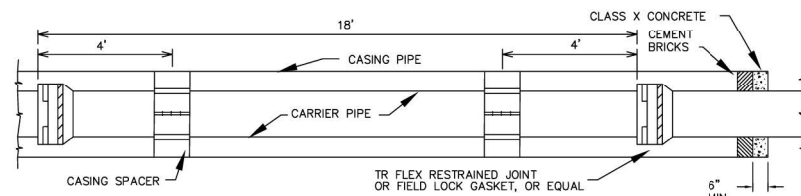
**WATER MAIN PLANS  
 STRUCTURE TAGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	79
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

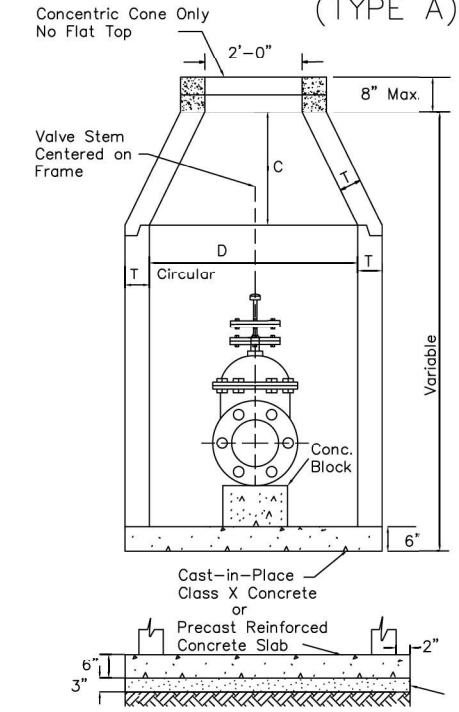


VALVE VAULT ABANDONMENT DETAIL



CARRIER PIPE & PIPE CASING BULKHEAD DETAIL

STANDARD DESIGN FOR VALVE VAULT (TYPE A)



MATERIAL FOR WALLS	D	C	T (Min.)
Precast Reinforced Concrete Risers	4'-0"	2'-6"	4"
	5'-0"	3'-9"	5"

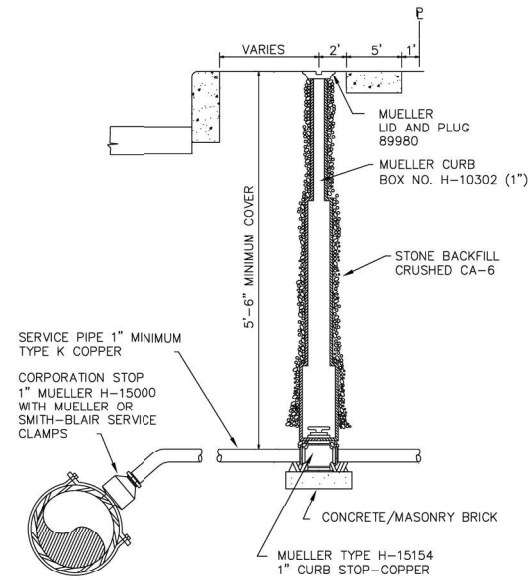
Dimension C for Precast Reinforced Concrete Risers may vary from the dimension given to plus six inches.

DIAMETER OF WATER MAIN	D
10 inches and under	4'-0"
12 inches and over	5'-0"

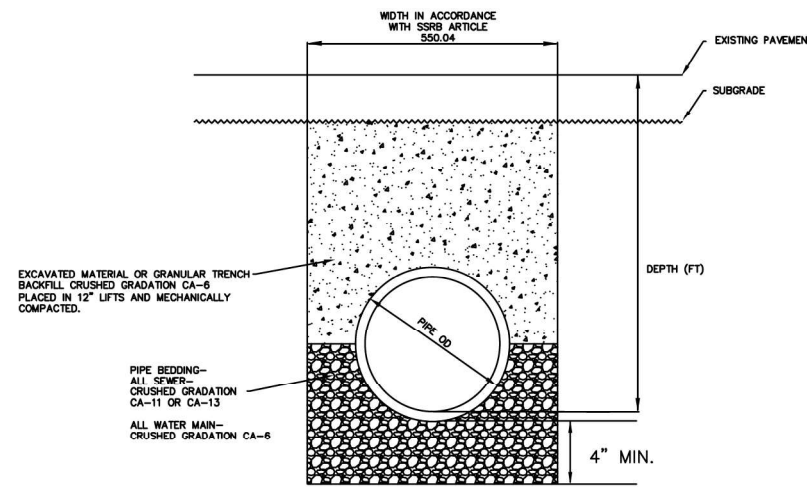
Notes:

1. If the valve stem is greater than 5' in depth, a valve stem extension to 5' is required.
2. Type A Valve Vault shall be provided with Frame and Lid as shown in general notes.
3. Valve Vault joints shall be sealed with Butyl Mastic joints.
4. Steel shims shall be used when adjusting frames of Manholes, Catch Basins, Inlets, and Valve Vaults.
5. Valve shall be Mueller A-2360 resilient seat valve only.

TYPICAL CURB BOX INSTALLATION HOUSE WATER SERVICE

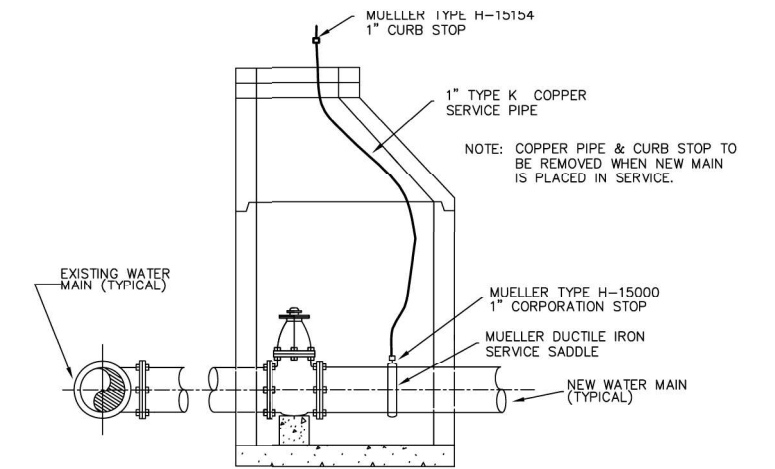
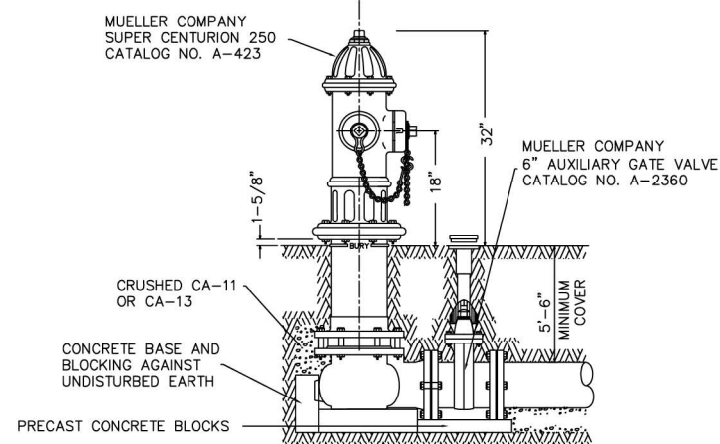


ALL TRENCH BACKFILL WILL BE MEASURED USING THE IDOT TRENCH BACKFILL TABLES

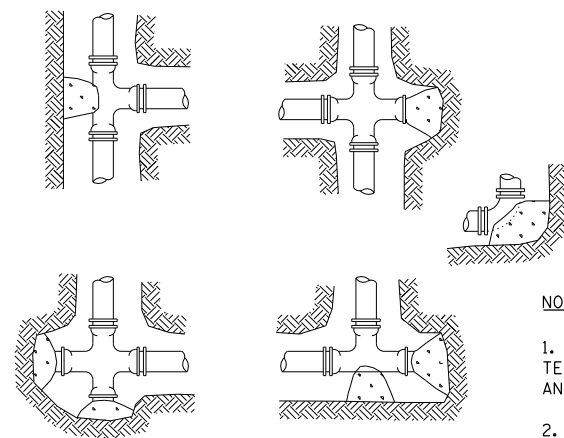


TRENCH BACKFILL DETAIL ALL SEWER AND WATER (EXCEPT PVC)

TYPICAL HYDRANT INSTALLATION



DISINFECTION/FLUSHING-TAP DETAIL



NOTES:

1. THRUST BLOCKS SHALL BE AT ALL TEES AND BENDS OF 11-1/4° BENDS AND GREATER.
2. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
3. CONCRETE SHALL BE 3000 P.S.I. (MIN.)

THRUST BLOCKING DETAIL

FILE NAME = D:\62110-ph-t-detailed\1204.dgn



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	DRAWN - JLB	REVISED -
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PLOT DATE = 3/18/2024	DATE - 06/23/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLANS  
CONSTRUCTION DETAILS

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

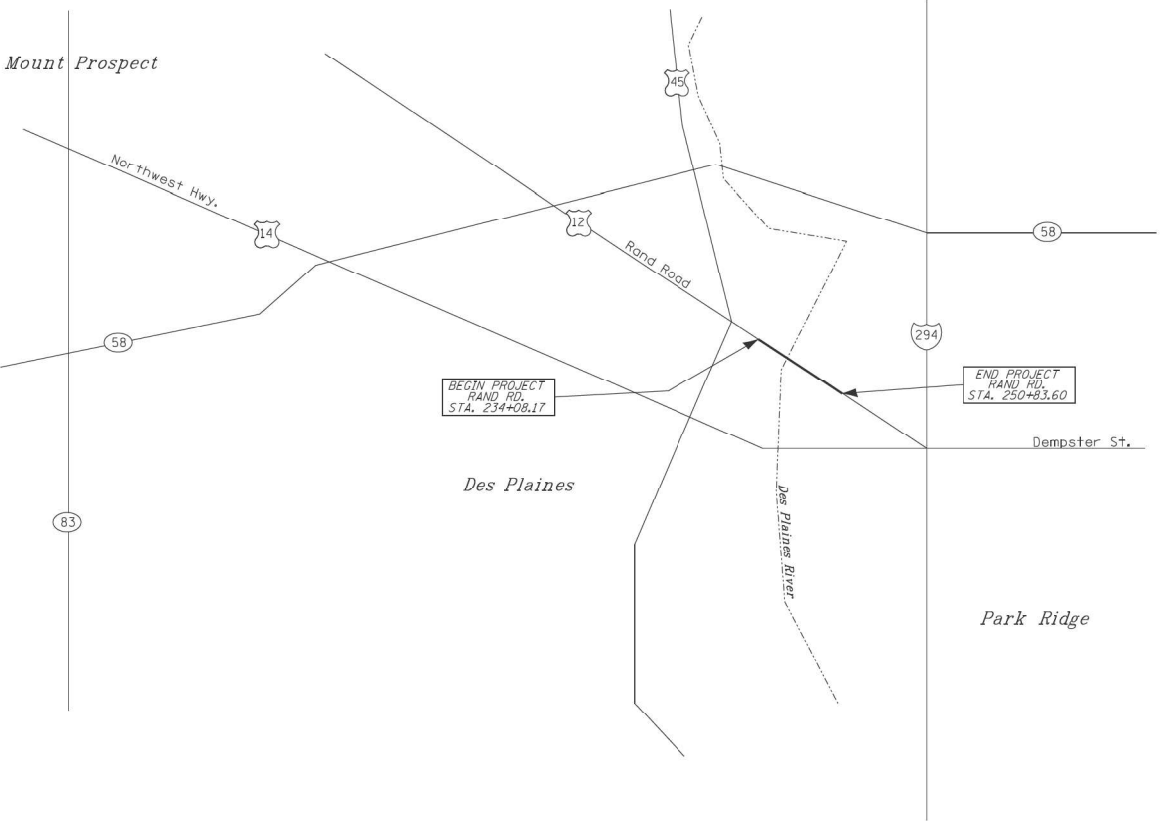
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	80
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLAT OF HIGHWAYS**

**RAND ROAD  
SECTION  
COOK COUNTY  
LIMITS AT DES PLAINES RIVER**

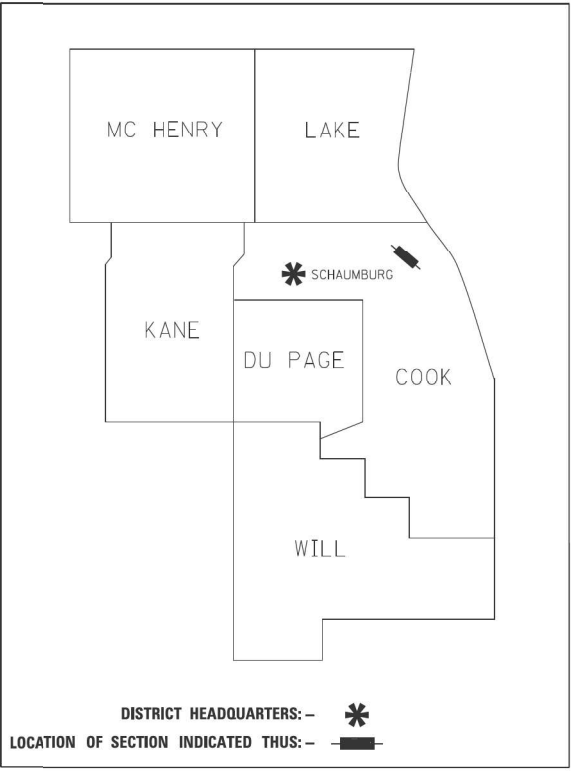
R-90-009-11

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OHN0001TE	HAWTHORN RAND CONDOMINIUM ASSOCIATION (OR ITS SUCCESSORS OR ASSIGNS) ON BEHALF OF THE UNIT OWNERS AS THEIR INTERESTS MAY APPEAR	2	
OHN0002PE OHN0002TE	HELEN BANOS, AS TRUSTEE UNDER THE HELEN BANOS FAMILY TRUST DATED 11-12-2001	2	
OHN0004 OHN0004TE	CHCT ILLINOIS, LLC A DELAWARE LIMITED LIABILITY CO.	4	
OHN0005PE-A OHN0005PE-B OHN0005TE-A OHN0005TE-B	COOK COUNTY FOREST PRESERVE DISTRICT	5	
OHN0007TE	<del>RAMIRO MORALES, A MARRIED PERSON</del>	<del>6</del>	
OHN0008TE	<del>HENRY KOELINE AND KATHERINE KOELINE, HIS WIFE IN JOINT TENANCY</del>	<del>6</del>	
OHN0009 OHN0009TE	FOREST HOSPITAL, INC.	7	
OHN0010	MORRIS B. SOUIRE	7	
OHN0011	THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION	7	DOC #1011619001
OHN0012	FOREST HOSPITAL, INC.	8	
OHN0013PE OHM0013TE	THE NORTHWEST COMMERCE BANK (OR ITS SUCCESSOR) AS TRUSTEE UNDER TRUST AGREEMENT DATED 11-5-1984 KNOWN AS TRUST NO. LT-84-064	2	
OHN0014PE	DENNIS WAYNE LARSON & ESTHER E. LARSON, BOTH UNMARRIED, IN JOINT TENANCY	9	
OHN0015TE	MARYVILLE ACADEMY, AN ILLINOIS CORPORATION	9	
OHN0016PE	CHCT ILLINOIS, LLC A DELAWARE LIMITED LIABILITY COMPANY	2	



**LOCATION MAP**

GROSS LENGTH = 1675.43 FT. = 0.32 MILE



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OF THE STATE OF ILLINOIS**

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants  
 129 CAPSTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: (815) 744-6000 FAX: (815) 744-0101  
 website: www.ruettiger.com  
**R.T. & A. Dwg. No.: 2011-0250**

**IDOT USE ONLY**

APPROVED  
By certum on 11:10 am, Jan 24, 2022

FILE NAME = D:\60110-rt-Parcel1201.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAT OF HIGHWAYS**

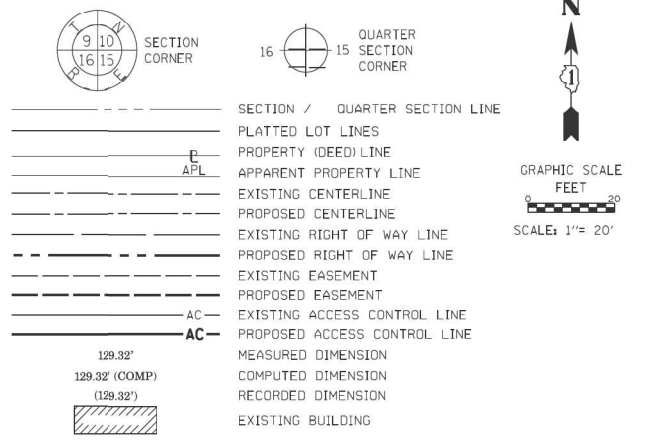
SCALE: NA SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	81
<b>CONTRACT NO. 60J10</b>				
<small>ILLINOIS FED. AID PROJECT</small>				

PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

STATION	OFFSET	PT#	NORTH	EAST
239+20.20	48.73' RT.	1040	1959443.074	1107320.509
238+54.87	48.73' RT.	1122	1959471.478	1107261.681
240+62.20	48.73' RT.	1104	1959381.33	1107448.382
236+95.66	48.73' RT.	1129	1959540.704	1107118.312
239+50.00	58.73' RT.	1139	1959421.109	1107342.999
240+64.99	58.73' RT.	1140	1959371.109	1107446.551
239+91.20	48.73' RT.	1289	1959412.202	1107384.446
239+93.62	58.73' RT.	1296	1959402.142	1107382.282
237+37.21	63.73' RT.	1331	1959509.132	1107149.204
238+37.91	63.73' RT.	1332	1959465.345	1107239.890
236+97.05	53.73' RT.	1359	1959535.599	1107117.384
238+54.26	53.73' RT.	1360	1959467.241	1107258.958
238+37.75	53.73' RT.	1361	1959474.422	1107244.085
237+34.43	53.73' RT.	1362	1959519.344	1107151.049
239+21.59	53.73' RT.	1363	1959437.963	1107319.593
239+92.41	53.73' RT.	1364	1959407.172	1107383.364
240+63.59	53.73' RT.	1365	1959376.220	1107447.467
239+50.00	53.73' RT.	1366	1959425.612	1107345.173

**LEGEND**



- IRON PIPE OR ROD FOUND    ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET    ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 41 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SHOREWOOD, ILLINOIS THIS \_\_\_ DAY OF JULY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
 LICENSE EXPIRATION DATE: 11-30-2022

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



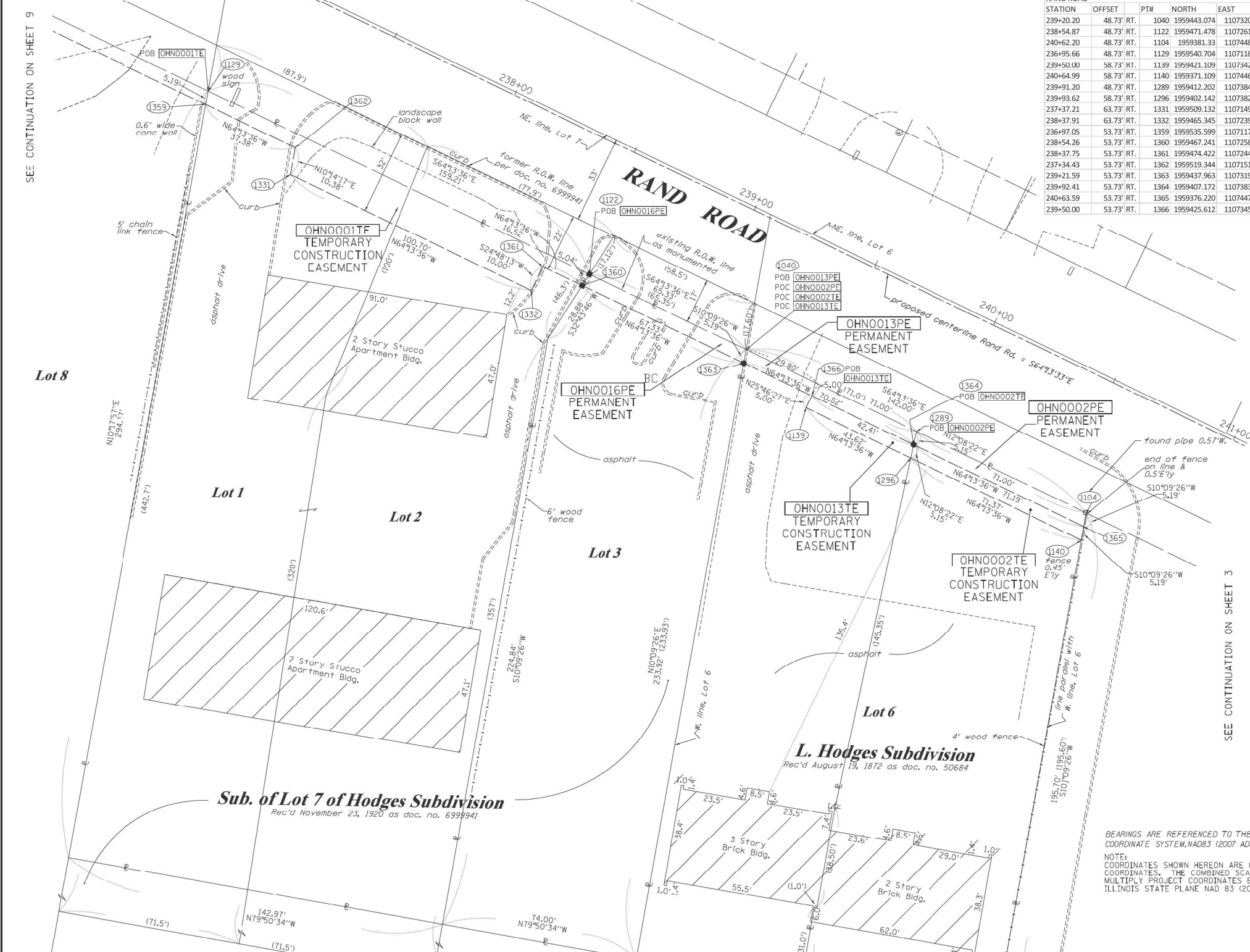
**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6600 FAX: (815) 744-0101  
 www.rta.com  
 R.T. & A. Dwg. No.: 2011-0250

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 RAND ROAD

LIMITS: DES PLAINES RIVER COUNTY: COOK  
 SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
 STA. 237+10 TO STA. 241+00  
 SCALE: 1"=20' SHEET 2 OF 9 SHEETS

**IDOT USE ONLY**  
 APPROVED  
 (By consensus at 11:10 am, Jan 24, 2022)

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



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OHNO001TE	0.903	N/A	N/A	0.903	0.041	N/A	09-16-300-111-1001 (111100) 1014
OHNO002PE	0.339	N/A	N/A	0.339	0.008	352	09-16-300-110
OHNO002TE	0.335	N/A	N/A	0.335	0.008	355	09-16-300-109
OHNO013PE	0.411	N/A	N/A	0.411	0.008	332	09-16-300-077

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

REVISION DATE: 09/11/2019 REVISION MADE BY: TW

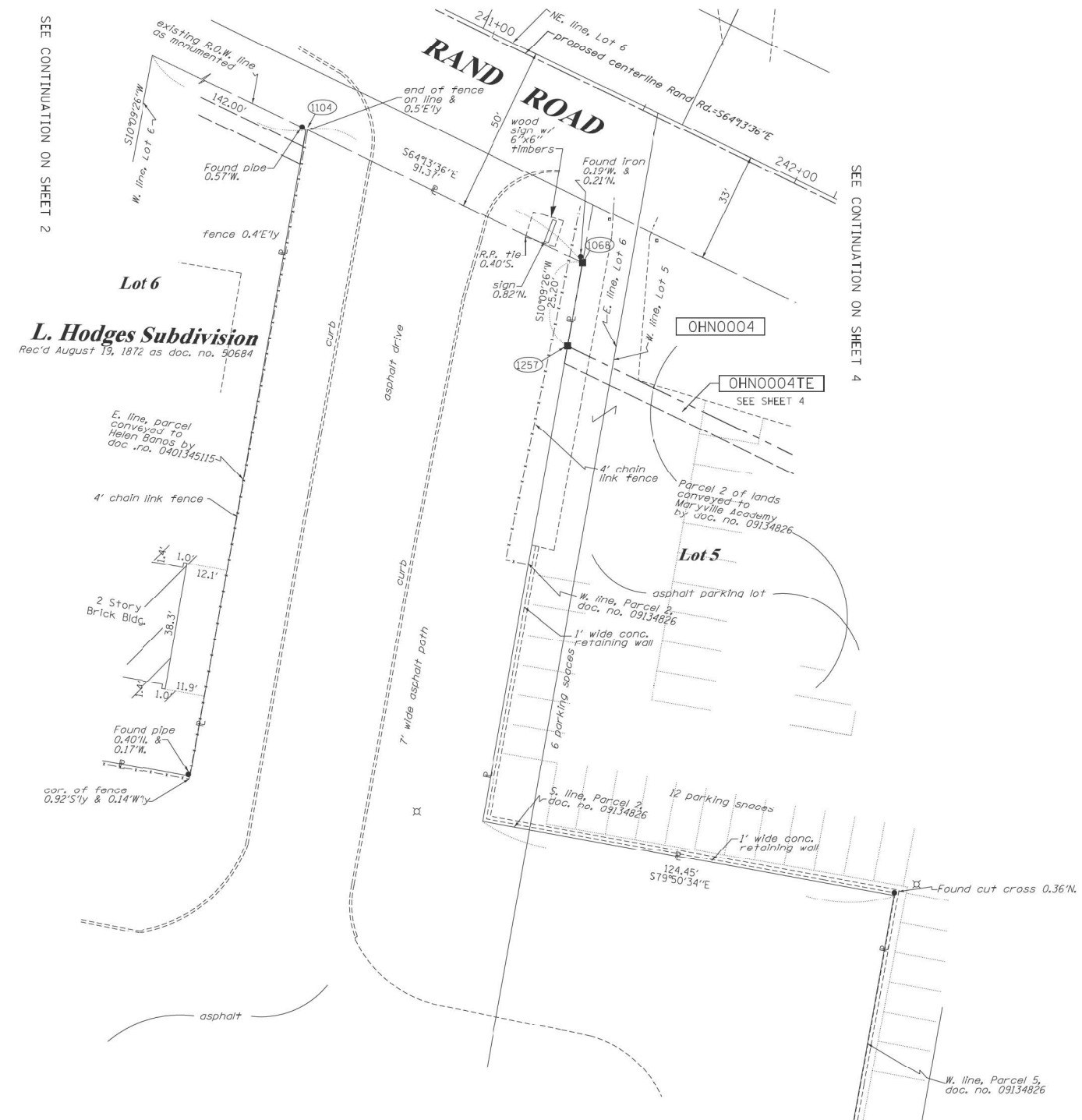
FILE NAME = D:\60110-rt-parcel\2022.dgn



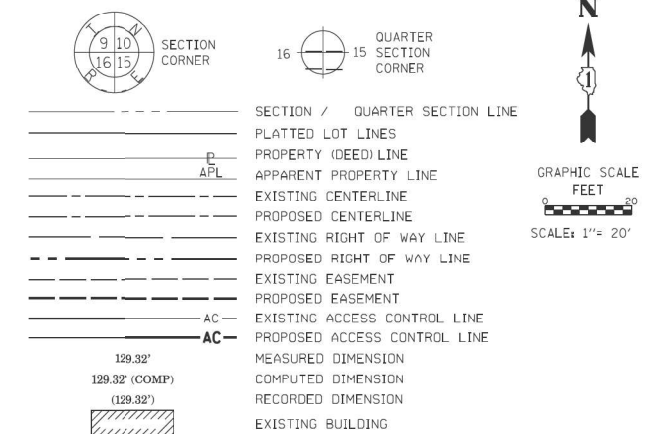
PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

SEE CONTINUATION ON SHEET 2

SEE CONTINUATION ON SHEET 4



**LEGEND**



- o IRON PIPE OR ROD FOUND      ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET      ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

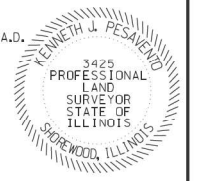
STATE OF ILLINOIS    )  
                                  )SS  
COUNTY OF WILL    )

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 41 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SHOREWOOD, ILLINOIS THIS \_\_\_ DAY OF JULY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
LICENSE EXPIRATION DATE: 11-30-2022

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



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants  
129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
PH: (815) 744-6000 FAX: (815) 744-0101  
www.rtaengineers.com  
R.T. & A. Dwg. No.: 2011-0250

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
RAND ROAD

LIMITS: DES PLAINES RIVER COUNTY: COOK  
SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
STA. 240+50 TO STA. 242+00  
SCALE: 1"=20' SHEET 3 OF 9 SHEETS

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

**IDOT USE ONLY**

APPROVED  
By consensus at 11:10 am, Jan 24, 2022

REVISION DATE: \_\_\_/\_\_\_/\_\_\_ REVISION MADE BY: \_\_\_\_\_

FILE NAME = D:\6010-ht-parcel\203.dgn



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

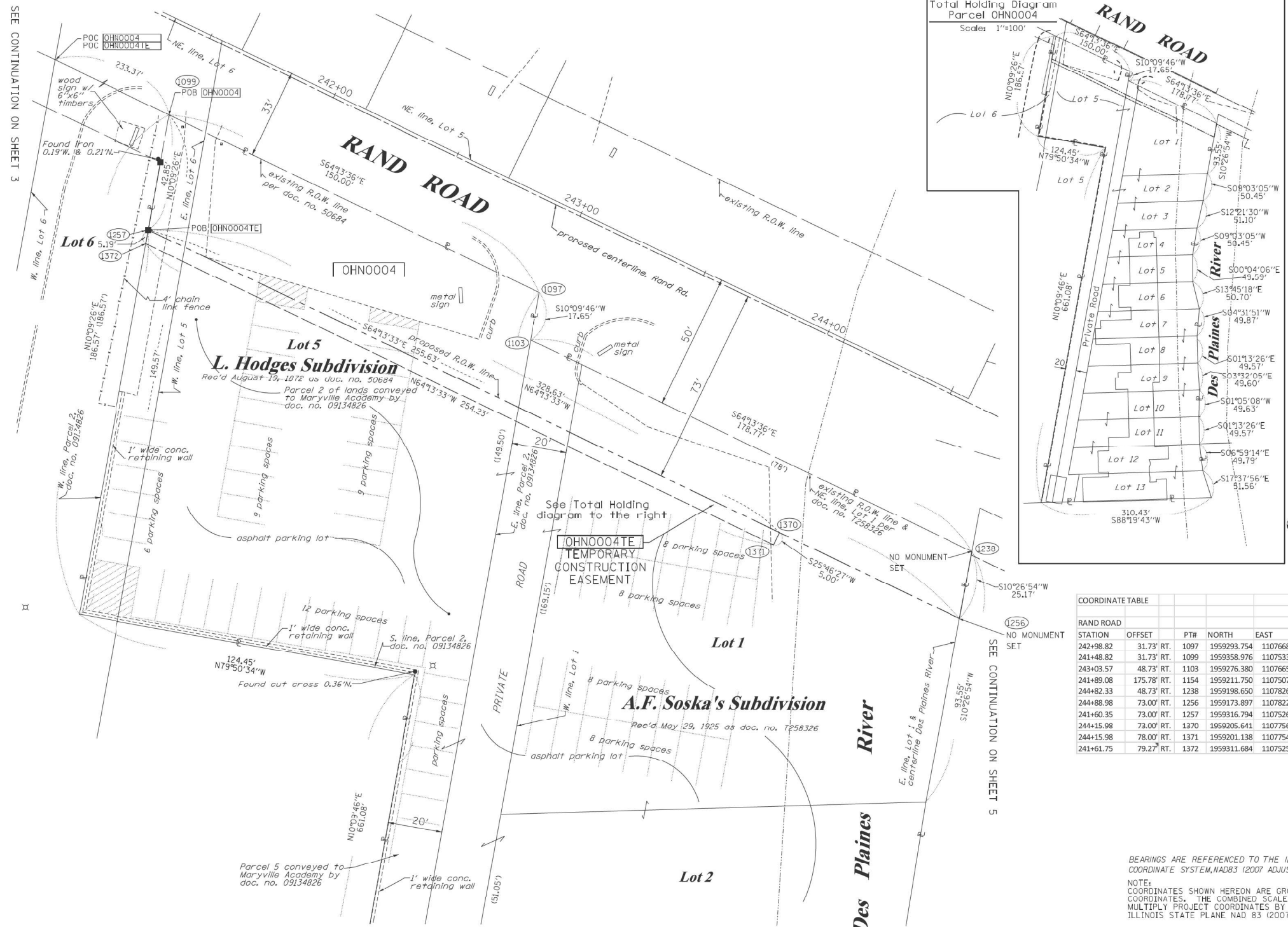
**PLAT OF HIGHWAYS**

SCALE: NA SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	83
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



### LEGEND

SECTION CORNER: 9 10 15 16  
 QUARTER CORNER: 16 15

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

GRAPHIC SCALE: 0 20 FEET  
 SCALE: 1" = 20'

- IRON PIPE OR ROD FOUND
- ⊕ \*MAG NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 COUNTY OF WILL )

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DATED AT SHOREWOOD, ILLINOIS THIS \_\_\_ DAY OF JULY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
 LICENSE EXPIRATION DATE: 11-30-2022

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



#### COORDINATE TABLE

STATION	OFFSET	PTH	NORTH	EAST
242+98.82	31.73' RT.	1097	1959293.754	1107668.854
241+48.82	31.73' RT.	1099	1959358.976	1107533.776
243+03.57	48.73' RT.	1103	1959276.380	1107665.740
241+89.08	175.78' RT.	1154	1959211.750	1107507.399
244+82.33	48.73' RT.	1238	1959198.650	1107826.722
244+88.98	73.00' RT.	1256	1959173.897	1107822.157
241+60.35	73.00' RT.	1257	1959316.794	1107526.219
244+15.98	73.00' RT.	1370	1959205.641	1107756.417
244+15.98	78.00' RT.	1371	1959201.138	1107754.242
241+61.75	79.27' RT.	1372	1959311.684	1107525.303

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.  
 NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OHN0004 OHN0004TE	4.313	0.242	N/A	4.071	TE- 0.029	N/A N/A	09-16-300-072 09-16-300-097 09-16-300-104 09-16-300-053 09-16-300-098 09-16-300-087

FILE NAME = D:\6010-ht-parcel\204.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
PLOT SCALE = 20.00' / in.	DRAWN - MCK	REVISED -
PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NA SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	84
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 RAND ROAD

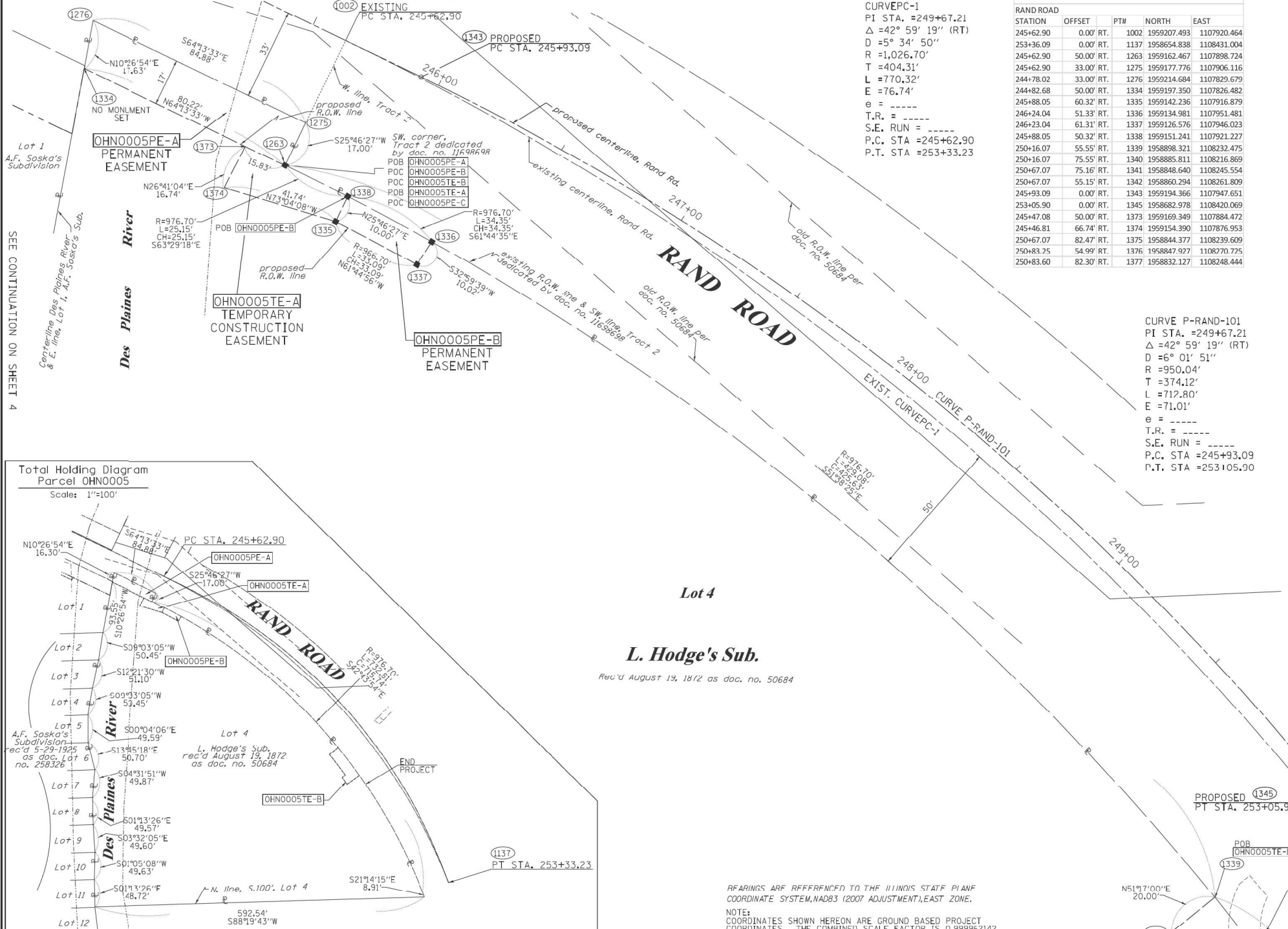
LIMITS: DES PLAINES RIVER COUNTY: COOK  
 SECTION: STA. 241+50 TO STA. 244+50 JOB NO.: R90-009-11  
 SCALE: 1"=20' SHEET 4 OF 9 SHEETS

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

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 129 CAPITAL DRIVE - SHOREWOOD, ILLINOIS 60404  
 TEL: (815) 744-6000 FAX: (815) 744-0101  
 website: www.rtaonline.com  
 R.T. & A. Dwg. No.: 2011-0250

**IDOT USE ONLY**  
 APPROVED  
 (By consensus at 11:10 am, Jan 24, 2022)

PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
245+62.90	0.00' RT.	1002	1959207.493	1107920.464
253+36.09	0.00' RT.	1137	1958654.838	1108431.004
245+62.90	50.00' RT.	1263	1959162.467	1107898.724
245+62.90	33.00' RT.	1275	1959177.776	1107906.116
244+78.02	33.00' RT.	1276	1959214.684	1107829.679
244+82.68	50.00' RT.	1334	1959197.350	1107826.482
245+88.05	60.32' RT.	1335	1959142.236	1107916.879
246+24.04	51.33' RT.	1336	1959134.981	1107951.481
246+23.04	61.31' RT.	1337	1959126.576	1107946.023
245+88.05	50.32' RT.	1338	1959151.241	1107921.227
250+16.07	55.55' RT.	1339	1958898.321	1108232.475
250+16.07	75.55' RT.	1340	1958885.811	1108216.869
250+67.07	75.16' RT.	1341	1958848.640	1108245.554
250+67.07	55.15' RT.	1342	1958860.294	1108261.809
245+93.09	0.00' RT.	1343	1959194.366	1107947.651
253+05.90	0.00' RT.	1345	1958682.978	1108420.069
245+47.08	50.00' RT.	1373	1959169.349	1107884.472
245+46.81	66.74' RT.	1374	1959154.390	1107876.953
250+67.07	82.47' RT.	1375	1958844.377	1108239.609
250+83.25	54.99' RT.	1376	1958847.927	1108270.725
250+83.60	82.30' RT.	1377	1958832.127	1108248.444

**LEGEND**

SECTION CORNER 16 15 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

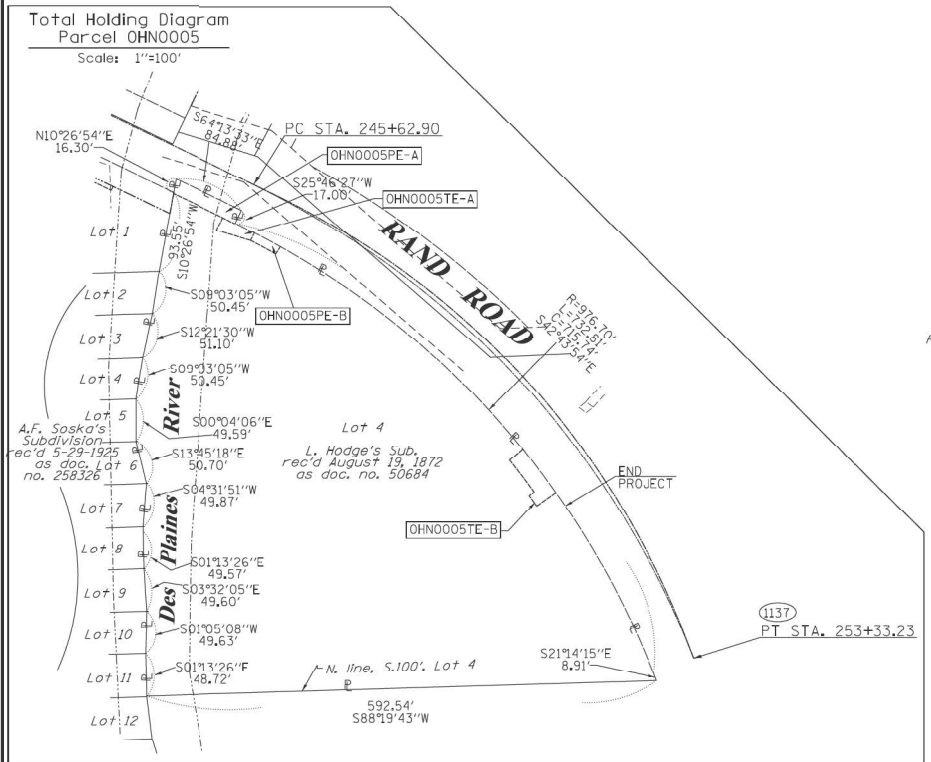
MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

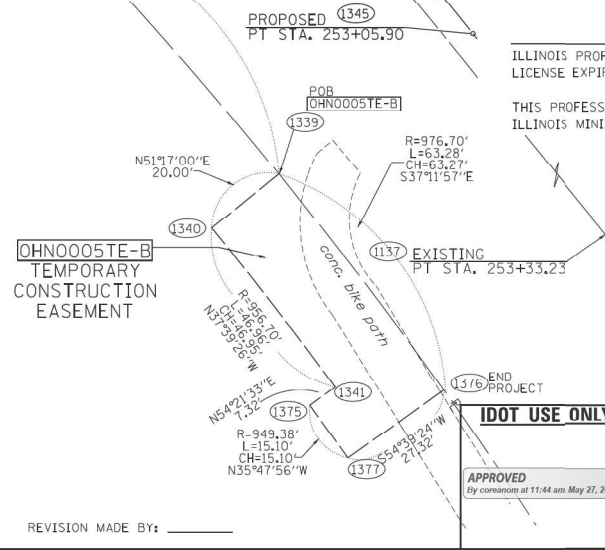
GRAPHIC SCALE  
 FEET  
 SCALE: 1" = 20'



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OHN0005PE-A	5.224	N/A	N/A	5.224	PE-A 0.032	N/A	09-16-306-001
OHN0005PE-B					PE-B 0.008	N/A	
OHN0005TE-A					TE-A 0.013	N/A	
OHN0005TE-B					TE-B 0.031	N/A	

**Lot 4**  
**L. Hodge's Sub.**  
 Rec'd August 19, 1872 as doc. no. 50684

REFERENCING TO THE ILLINOIS STATE PLAIN COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.  
 NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLAIN NAD 83 (2007) GRID COORDINATES.



STATE OF ILLINOIS )  
 COUNTY OF WILL )

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DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
 LICENSE EXPIRATION DATE: 11-30-2020

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

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants  
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 website: www.rtaonline.com  
**R.T. & A. Dwg. No.: 2011-0250**

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
**RAND ROAD**

LIMITS: DES PLAINES RIVER COUNTY: COOK  
 SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
 STA. 245+50 TO STA. 250+00  
 SCALE: 1"=20' SHEET 5 OF 9 SHEETS

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

**IDOT USE ONLY**  
 APPROVED  
 By command at 11:44 am May 27, 2020

FILE NAME = D:\6010-ht-parcel\205.dgn



USER NAME = EtzweE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NA SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	85
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

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INTENTIONALLY BLANK**

FILE NAME = D:\6010-ht-parcel\286.dgn



USER NAME = EtzwieE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

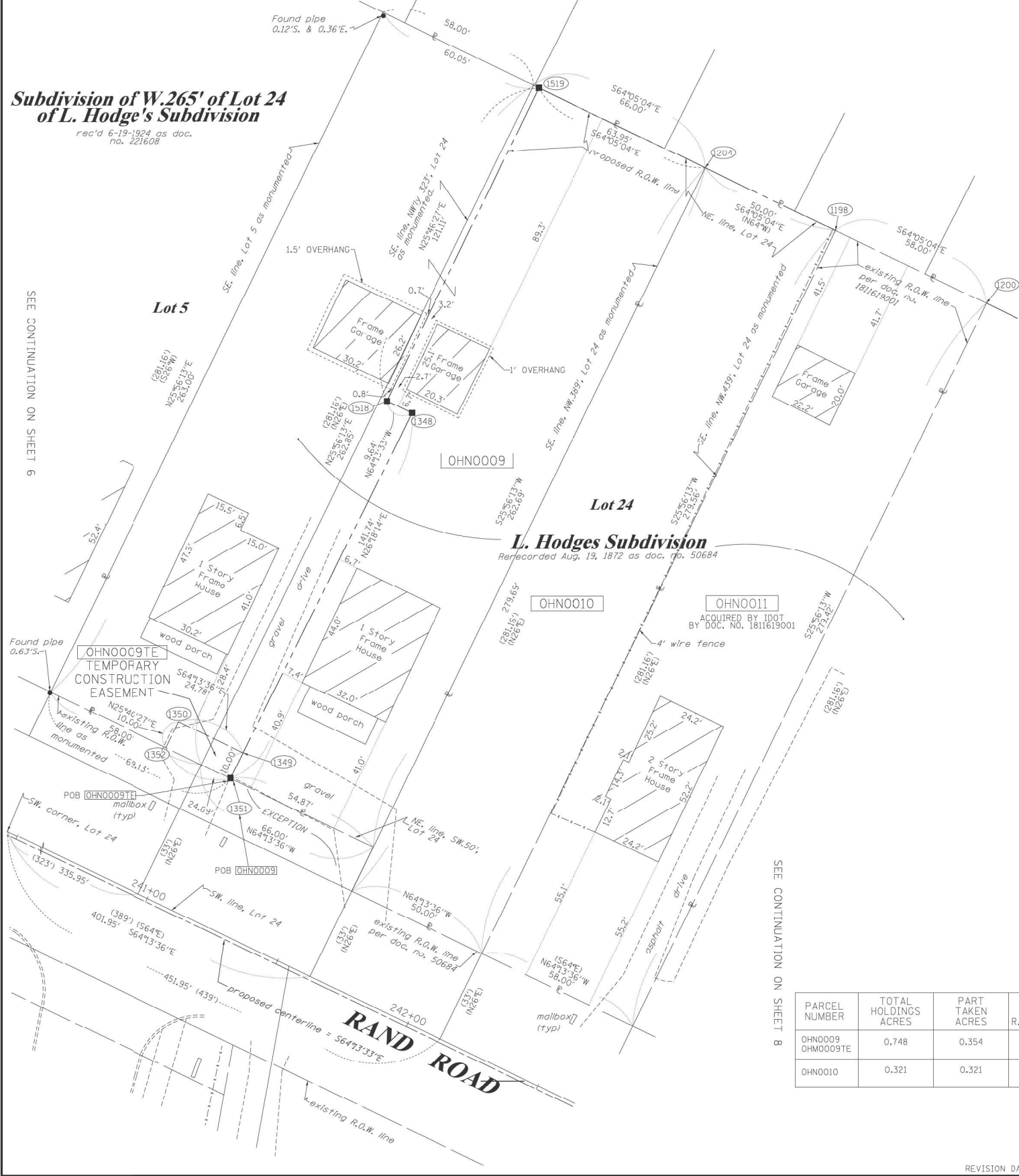
**PLAT OF HIGHWAYS**

SCALE: NA SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	86
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

**Subdivision of W.265' of Lot 24 of L. Hodges Subdivision**  
 rec'd 6-19-1924 as doc. no. 221608



STATION	OFFSET	PTH	NORTH	EAST
241+62.59	51.27' LT.	1195	1959427.73	1107582.269
242+13.33	313.83' LT.	1198	1959642.107	1107742.135
242+71.33	313.69' LT.	1200	1959616.758	1107794.302
241+63.33	313.96' LT.	1204	1959663.959	1107697.163
241+09.03	193.01' LT.	1348	1959578.654	1107595.670
241+07.81	61.27' LT.	1349	1959460.552	1107537.291
240+83.03	61.27' LT.	1350	1959471.328	1107514.974
241+07.72	51.27' LT.	1351	1959451.587	1107532.860
240+83.03	51.27' LT.	1352	1959462.323	1107510.626
240+99.39	193.01' LT.	1518	1959582.846	1107586.987
240+99.39	314.12' LT.	1519	1959691.907	1107639.648

### LEGEND

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 16 15

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

\* MAG' NAIL SET

5 / 8" REBAR SET

T1, T2, T3: THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1, BT2, BT3: THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

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

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

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE

FEET

SCALE: 1" = 20'

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVANTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 41 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
LICENSE EXPIRATION DATE: 11-30-2018

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OHNO009 OHMO009TE	0.748	0.354	N/A	0.394	0.006	247	09-16-107-016 09-16-107-015
OHNO010	0.321	0.321	N/A	0.000	N/A	N/A	09-16-107-017

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (2007 ADJUSTMENT), EAST ZONE.

NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 129 CAPTIVA DRIVE • SEBASTOPOLIS, ILLINOIS 60404  
 TEL (815) 744-6600 FAX (815) 744-0101  
 website: www.rtaillinois.com  
**R.T. & A. Dwg. No.: 2011-0250**

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 (ROAD NAME)

LIMITS: DES PLAINES RIVER COUNTY: COOK  
 SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
 STA. 240+50 TO STA. 242+50  
 SCALE: 1"=20' SHEET 7 OF 9 SHEETS

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

RECEIVED  
 AUG 09 2018  
 PLATS & LEGALS



USER NAME = EtzwlE	DESIGNED - MCK	REVISED -
PLOT SCALE = 20.00' / in.	DRAWN - MCK	REVISED -
PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS  
 SCALE: NA SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	87
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\60110-hh-parcel\207.dgn

PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OHN0012	1.328	1.328	0.141	0.000	N/A	N/A	09-16-107-019

**LEGEND**

SECTION CORNER 16 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

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

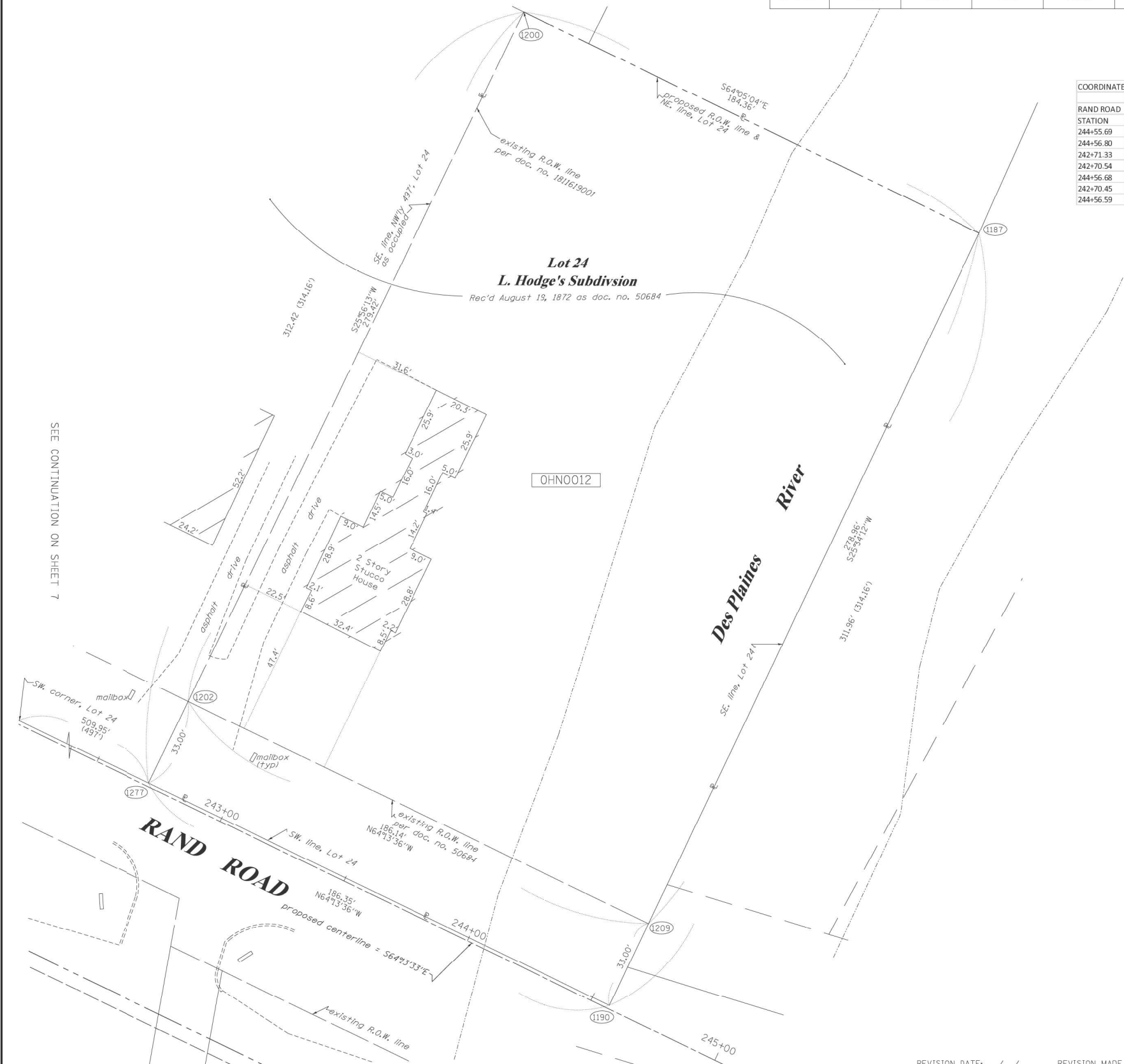
RECORDED DIMENSION

EXISTING BUILDING

GRAPHIC SCALE  
FEET  
0 20  
SCALE: 1"= 20'

**COORDINATE TABLE**

RAND ROAD	STATION	OFFSET	PTH	NORTH	EAST
	244+55.69	313.24' LT.	1187	1959536.186	1107960.120
	244+56.80	1.27' LT.	1190	1959254.777	1107825.472
	242+71.33	313.69' LT.	1200	1959616.759	1107794.302
	242+70.54	34.27' LT.	1202	1959365.483	1107672.090
	244+56.68	34.27' LT.	1209	1959284.545	1107839.716
	242+70.45	1.27' LT.	1277	1959335.806	1107657.655
	244+56.59	60.00' LT.	1280	1959307.751	1107850.819



- IRON PIPE OR ROD FOUND      ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET      ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, KENNETH J. PFSAVANTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 41 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, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
LICENSE EXPIRATION DATE: 11-30-2018

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

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.  
NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants  
129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
PH. (815) 744-6000 FAX (815) 744-0101  
www.rta.com

R.T. & A. Dwg. No.: 2011-0250

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
(ROAD NAME)

LIMITS: DES PLAINES RIVER COUNTY: COOK  
SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
STA. 242+50 TO STA. 244+50  
SCALE: 1"=20' SHEET 8 OF 9 SHEETS

**IDOT USE ONLY**  
AUG 31 2018  
PLATS & LEGALS

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

FILE NAME = D:\60110-ht-parcel\208.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAT OF HIGHWAYS**

SCALE: NA SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	88
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



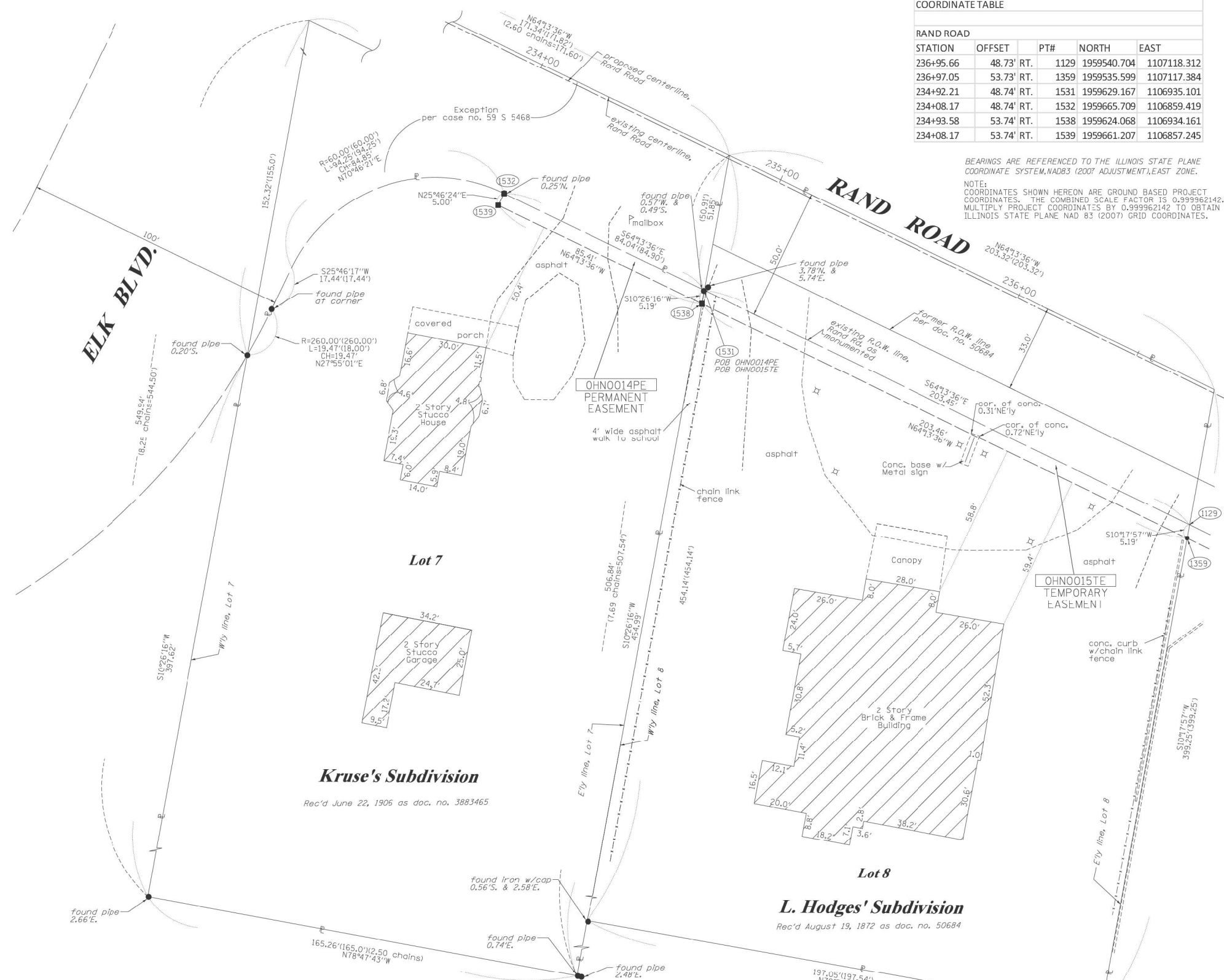
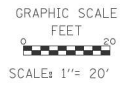
PART OF THE SW.1/4 OF SECTION 16, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

COORDINATE TABLE					
RAND ROAD					
STATION	OFFSET	PT#	NORTH	EAST	
236+95.66	48.73' RT.	1129	1959540.704	1107118.312	
236+97.05	53.73' RT.	1359	1959535.599	1107117.384	
234+92.21	48.74' RT.	1531	1959629.167	1106935.101	
234+08.17	48.74' RT.	1532	1959665.709	1106859.419	
234+93.58	53.74' RT.	1538	1959624.068	1106934.161	
234+08.17	53.74' RT.	1539	1959661.207	1106857.245	

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.  
 NOTE: COORDINATES SHOWN HEREON ARE GROUND BASED PROJECT COORDINATES. THE COMBINED SCALE FACTOR IS 0.999962142. MULTIPLY PROJECT COORDINATES BY 0.999962142 TO OBTAIN ILLINOIS STATE PLANE NAD 83 (2007) GRID COORDINATES.

**LEGEND**

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



SEE CONTINUATION ON SHEET 2

- IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET      ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
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STATE OF ILLINOIS )  
 COUNTY OF WILL )

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DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425  
 LICENSE EXPIRATION DATE: 11-30-2020

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

**RT & A** Ruettiger, Tonelli & Associates, Inc.  
 Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants  
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404  
 PH: (815) 744-6800 FAX: (815) 744-0101  
 website: www.ruettiger.com  
 R.T. & A. Dwg. No.: 2011-0250

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 RAND ROAD

LIMITS: DES PLAINES RIVER COUNTY: COOK  
 SECTION: \_\_\_\_\_ JOB NO.: R90-009-11  
 STA. 234+00 TO STA. 236+97.05  
 SCALE: 1" = 20' SHEET 9 OF 9 SHEETS

**IDOT USE ONLY**  
 RECEIVED  
 SEP 13 2019  
 PLATS & LEGALS

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OHNO014PE	1.759	N/A	N/A	1.759	0.010	424	09-16-300-014
OHNO015TE	1.925	N/A	N/A	1.925	0.023	N/A	09-16-300-079

REVISION DATE: 09/12/2019 REVISION MADE BY: TW

FILE NAME = D:\60110-rt-ht-parcel\209.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.00' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

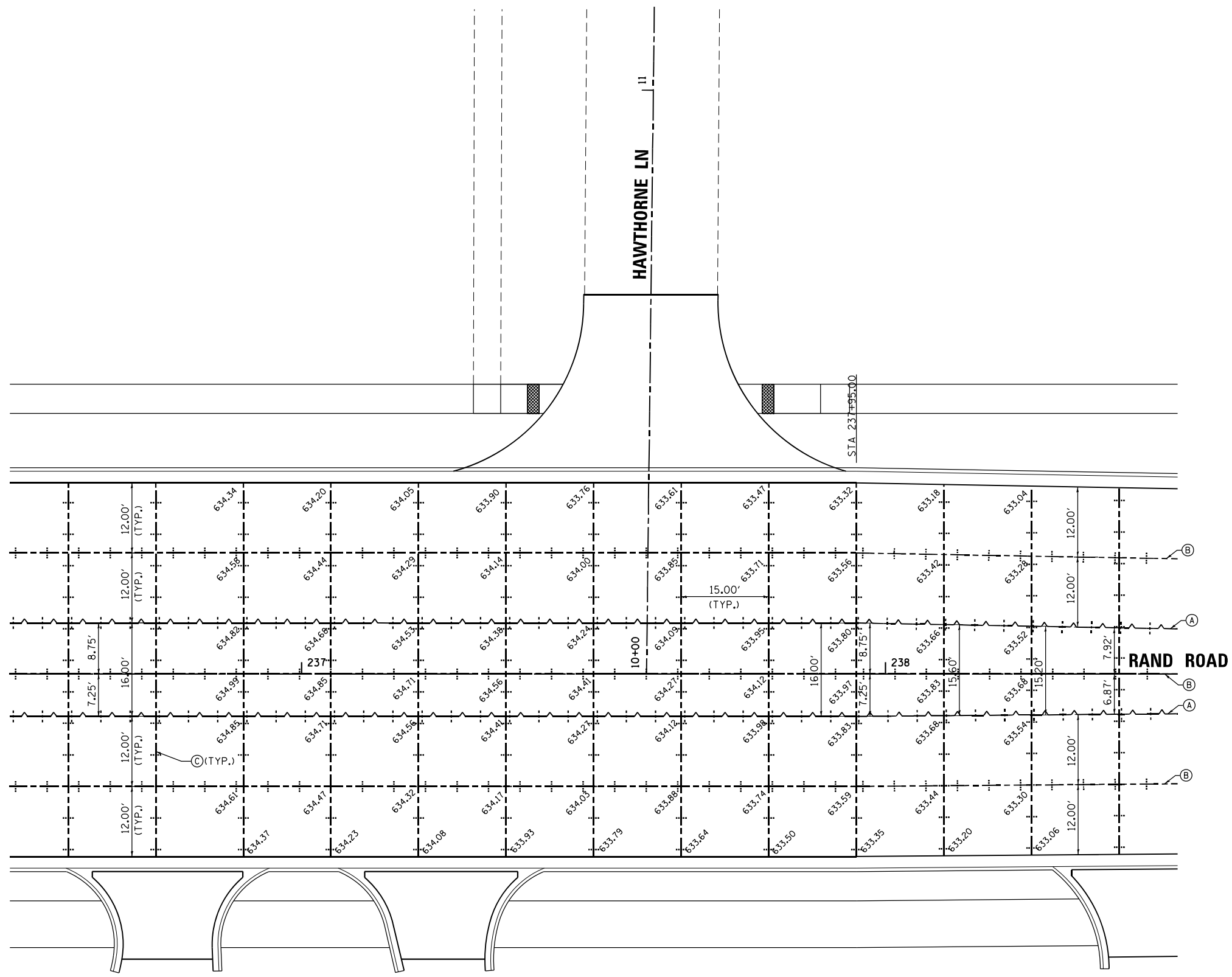
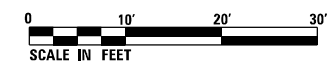
**STATE OF ILLINOIS**  
 DEPARTMENT OF TRANSPORTATION

**PLAT OF HIGHWAYS**

SCALE: NA SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	89

CONTRACT NO. 60J10  
 ILLINOIS FED. AID PROJECT



LEGEND

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH GROUTED-IN-PLACE DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (B) LONGITUDINAL SAWED JOINT WITH DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (C) TRANSVERSE CONTRACTION JOINT WITH 18" DOWEL BARS AT 12" CENTERS

FILE NAME = D:\62110-ht-intersec201.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

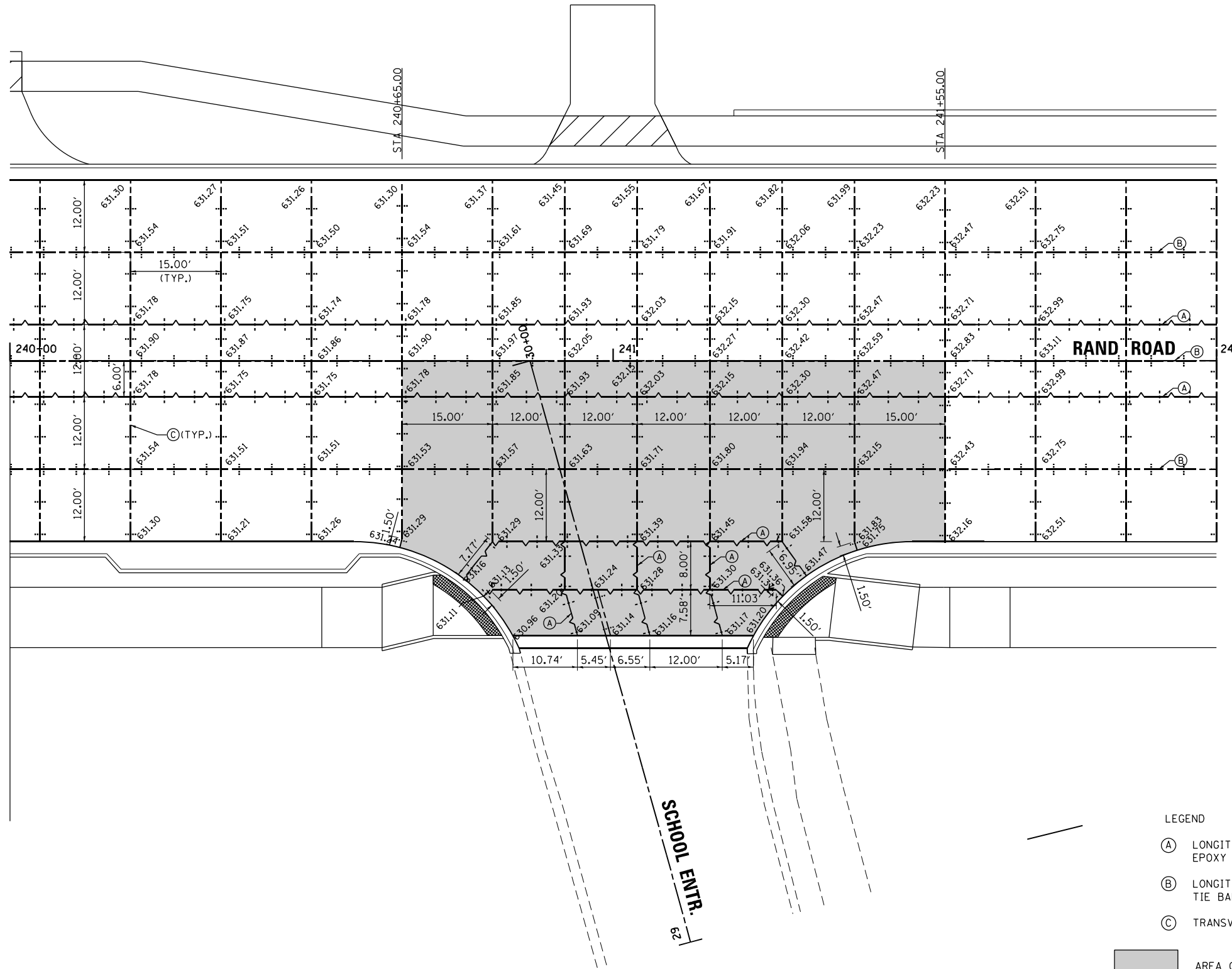
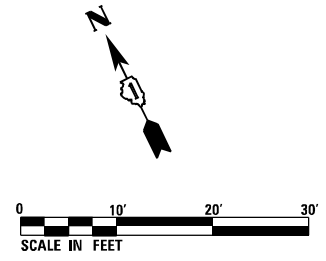
PAVEMENT JOINTING PLAN

SCALE: 1" = 10' SHEET 1 OF 4 SHEETS STA. 236+50.00 TO STA. 238+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	90
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.



LEGEND

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH GROUTED-IN-PLACE DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (B) LONGITUDINAL SAWS JOINT WITH DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (C) TRANSVERSE CONTRACTION JOINT WITH 18" DOWEL BARS AT 12" CENTERS

AREA OF INTERSECTION SPECIAL GRADING

FILE NAME = D:\60110-ht-intersec202.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINTING PLAN

SCALE: 1" = 10' SHEET 2 OF 4 SHEETS STA. 240+00.00 TO STA. 242+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	91
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

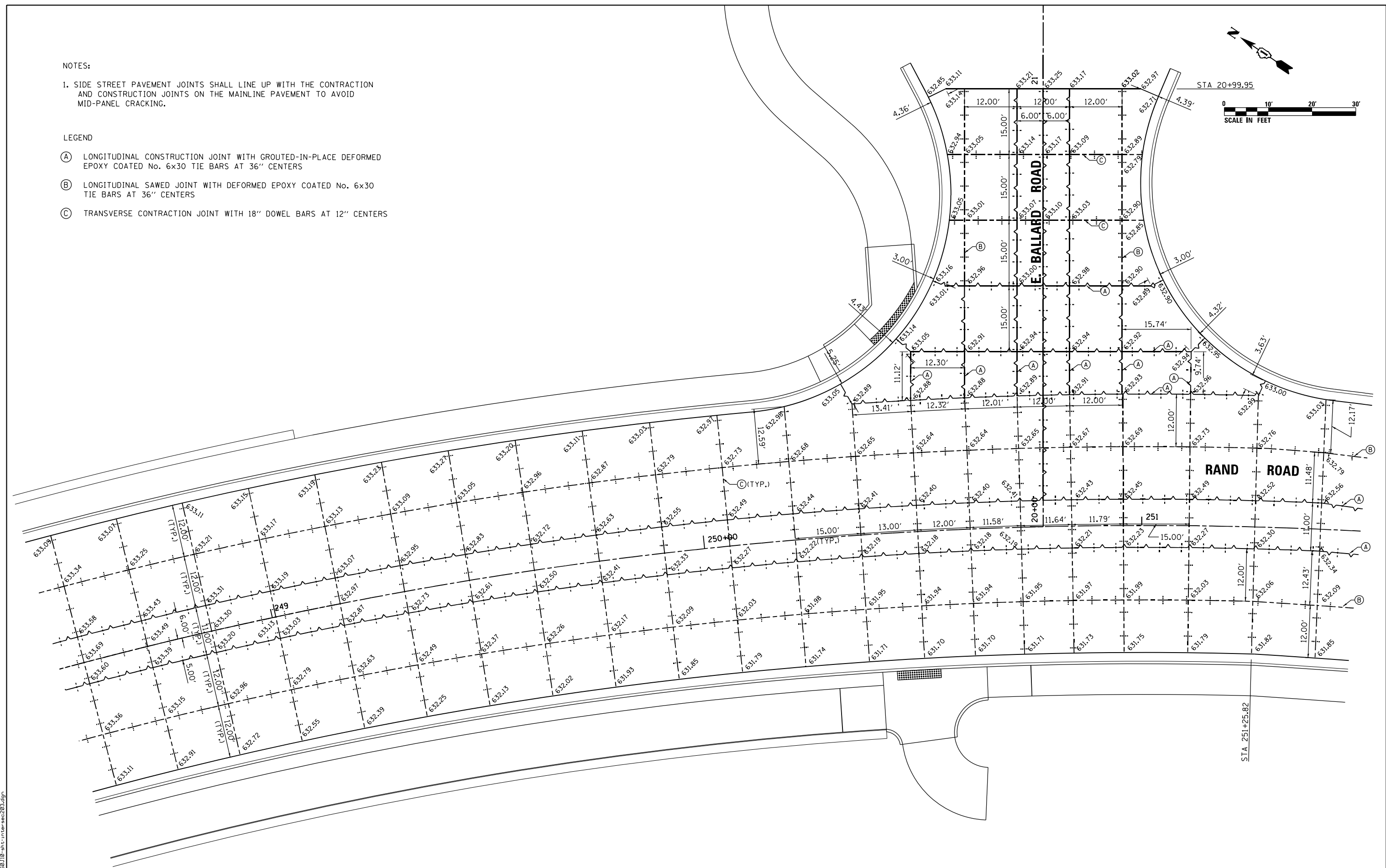
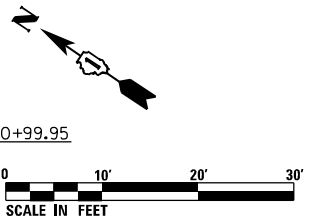


NOTES:

- SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.

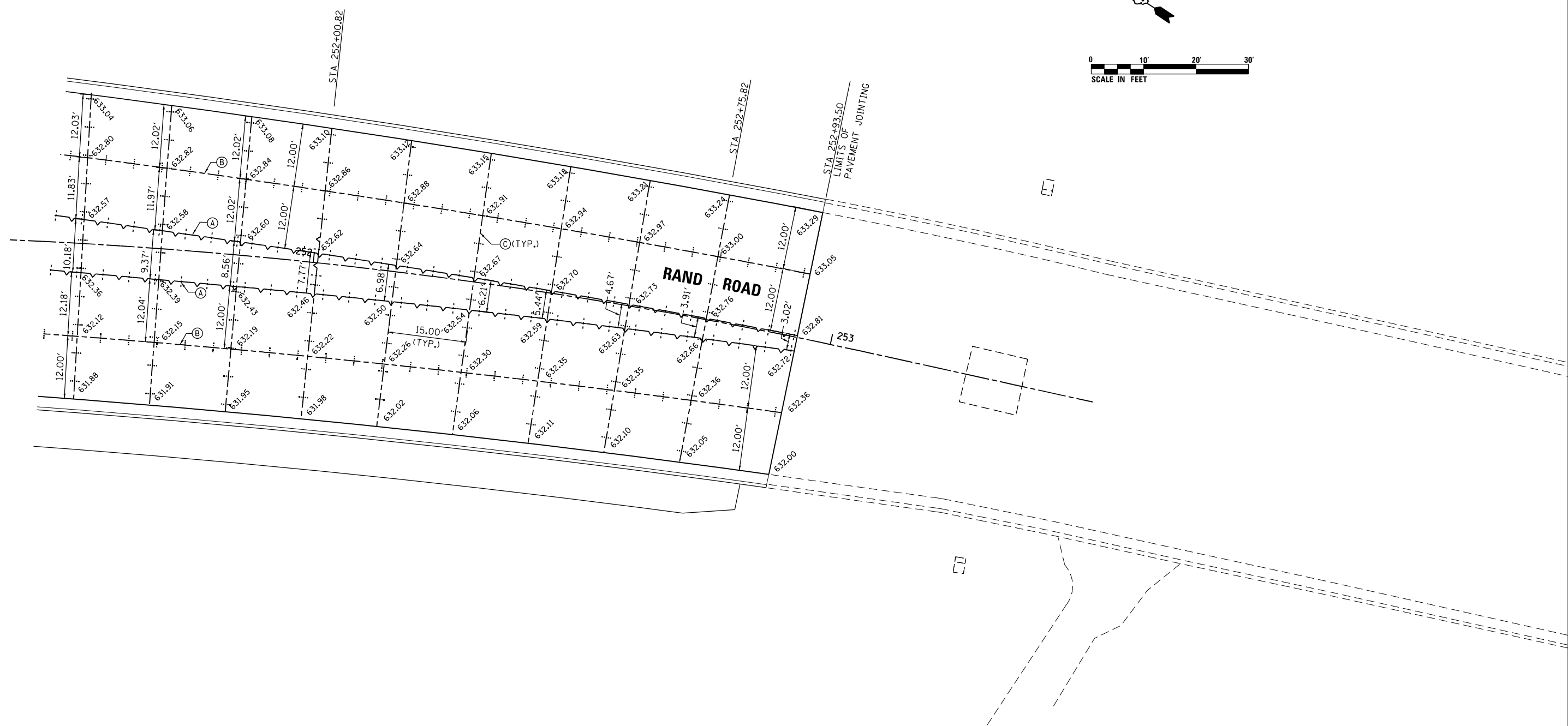
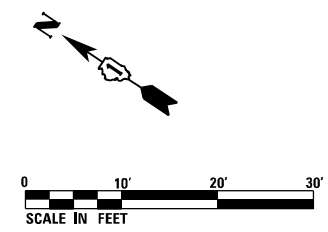
LEGEND

- (A) LONGITUDINAL CONSTRUCTION JOINT WITH GROUTED-IN-PLACE DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (B) LONGITUDINAL SAWED JOINT WITH DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
- (C) TRANSVERSE CONTRACTION JOINT WITH 18" DOWEL BARS AT 12" CENTERS



FILE NAME = D:\60110-ht-intersec203.dgn

<b>RS&amp;H</b>	USER NAME = EtwileE	DESIGNED - MCK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT JOINTING PLAN</b>	F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 92
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			SCALE: 1" = 10'	SHEET 3 OF 4 SHEETS	STA. 248+50.00 TO STA. 251+50.00	CONTRACT NO. 60J10	
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -			ILLINOIS FED. AID PROJECT				



- LEGEND
- (A) LONGITUDINAL CONSTRUCTION JOINT WITH GROUTED-IN-PLACE DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
  - (B) LONGITUDINAL SAWED JOINT WITH DEFORMED EPOXY COATED No. 6x30 TIE BARS AT 36" CENTERS
  - (C) TRANSVERSE CONTRACTION JOINT WITH 18" DOWEL BARS AT 12" CENTERS

FILE NAME = D:\60110-ht-intersec204.dgn



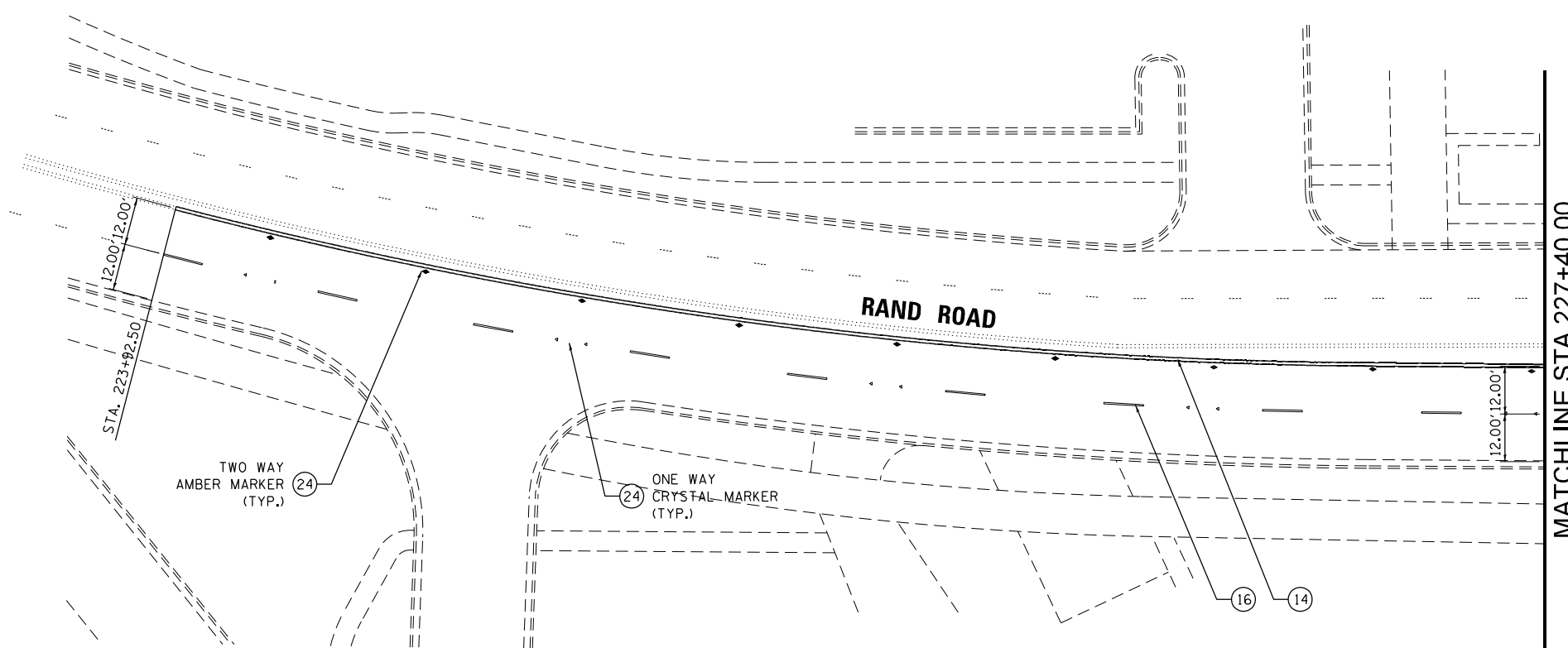
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	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT JOINTING PLAN**

SCALE: 1" = 10' SHEET 4 OF 4 SHEETS STA. 252+00.00 TO STA. 254+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	93
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
  3. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT BEGINS AT STA. 223+92.50 ON RAND ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.

LEGEND	
(1) POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	(13) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
(2) POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C	(14) THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
(3) POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C	(15) THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)	(16) THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
(5) POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE	(17) THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
(6) POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE	(18) THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
(7) POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)	(19) THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
(8) POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C	(20) THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
(9) POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE	(21) THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
(10) POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR	(22) THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
(11) PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)	(23) THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
(12) PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE	(24) RAISED REFLECTIVE PAVEMENT MARKER
	(25) RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

FILE NAME = D:\60110-ht-pml-200.dgn

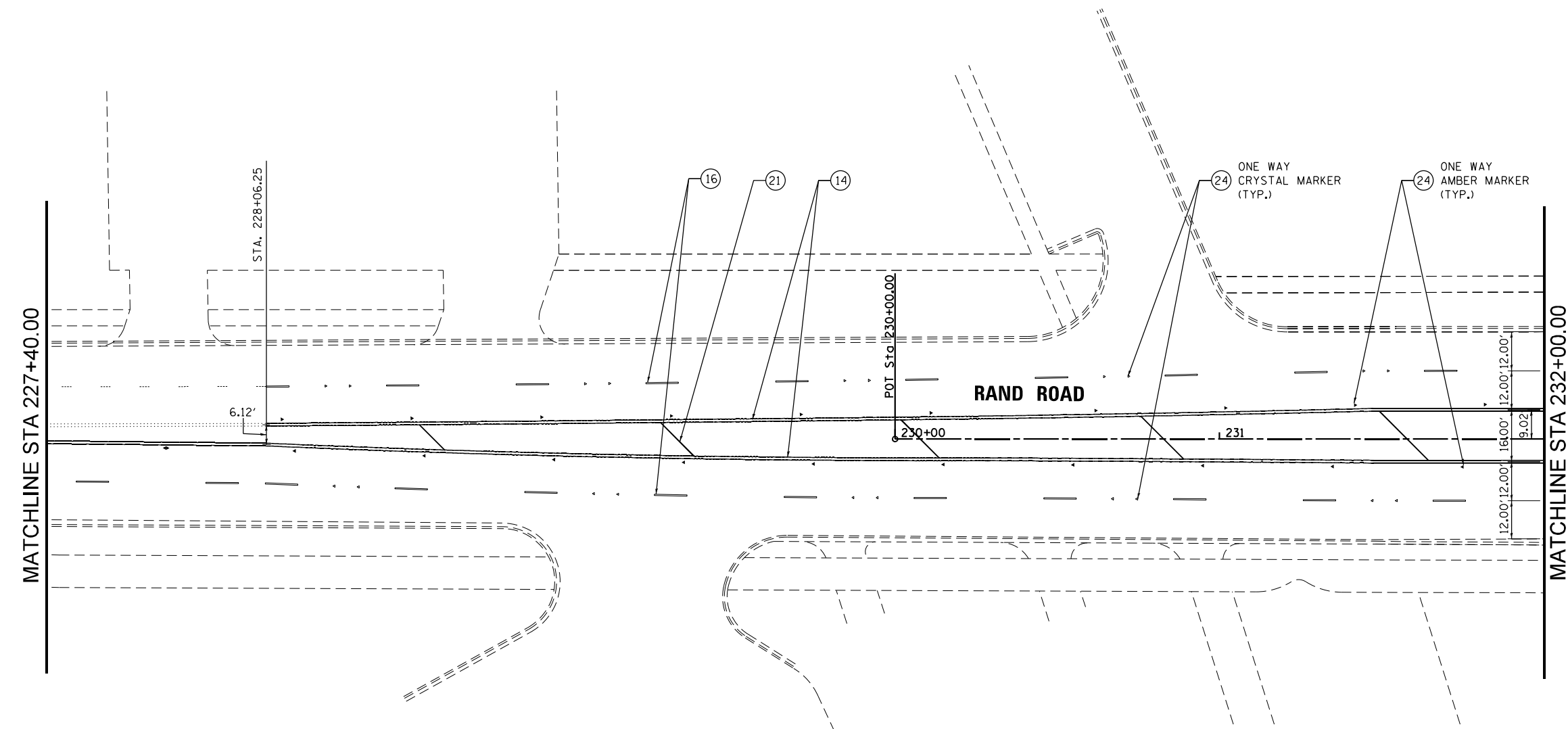


USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN RAND ROAD			
SCALE: 1" = 20'	SHEET 1 OF 9 SHEETS	STA. 223+92.50	TO STA. 227+40.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	94
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. CONCRETE PAVEMENT BEGINS AT STA. 234+50.00 ON RAND ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM THERMOPLASTIC TO POLYUREA AT THIS JOINT.
  3. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
  4. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT BEGINS AT STA. 228+06.00 ON RAND ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.

LEGEND	
①	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)
⑤	POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER
㉕	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

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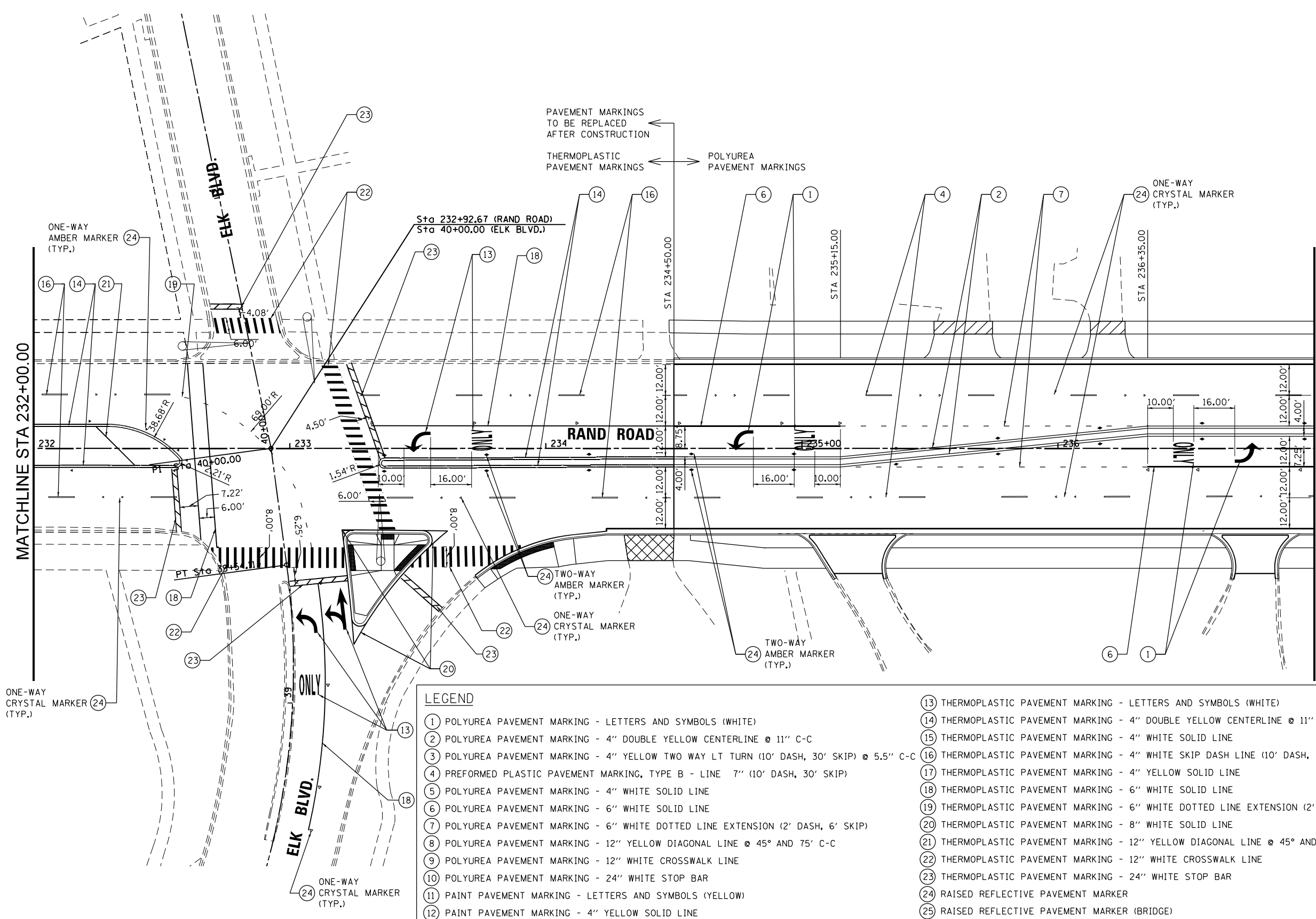
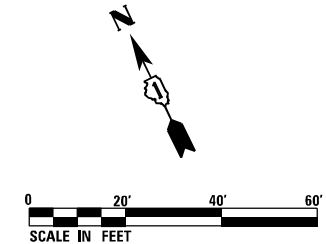


USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN RAND ROAD			
SCALE: 1" = 20'	SHEET 2 OF 9 SHEETS	STA. 227+40.00 TO STA. 232+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	95
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. CONCRETE PAVEMENT BEGINS AT STA. 234+50.00 ON RAND ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM THERMOPLASTIC TO POLYUREA AT THIS JOINT.
  3. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.

LEGEND	
①	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)
⑤	POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER
㉕	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

FILE NAME = D:\60110-rt-pmk\2022.dgn

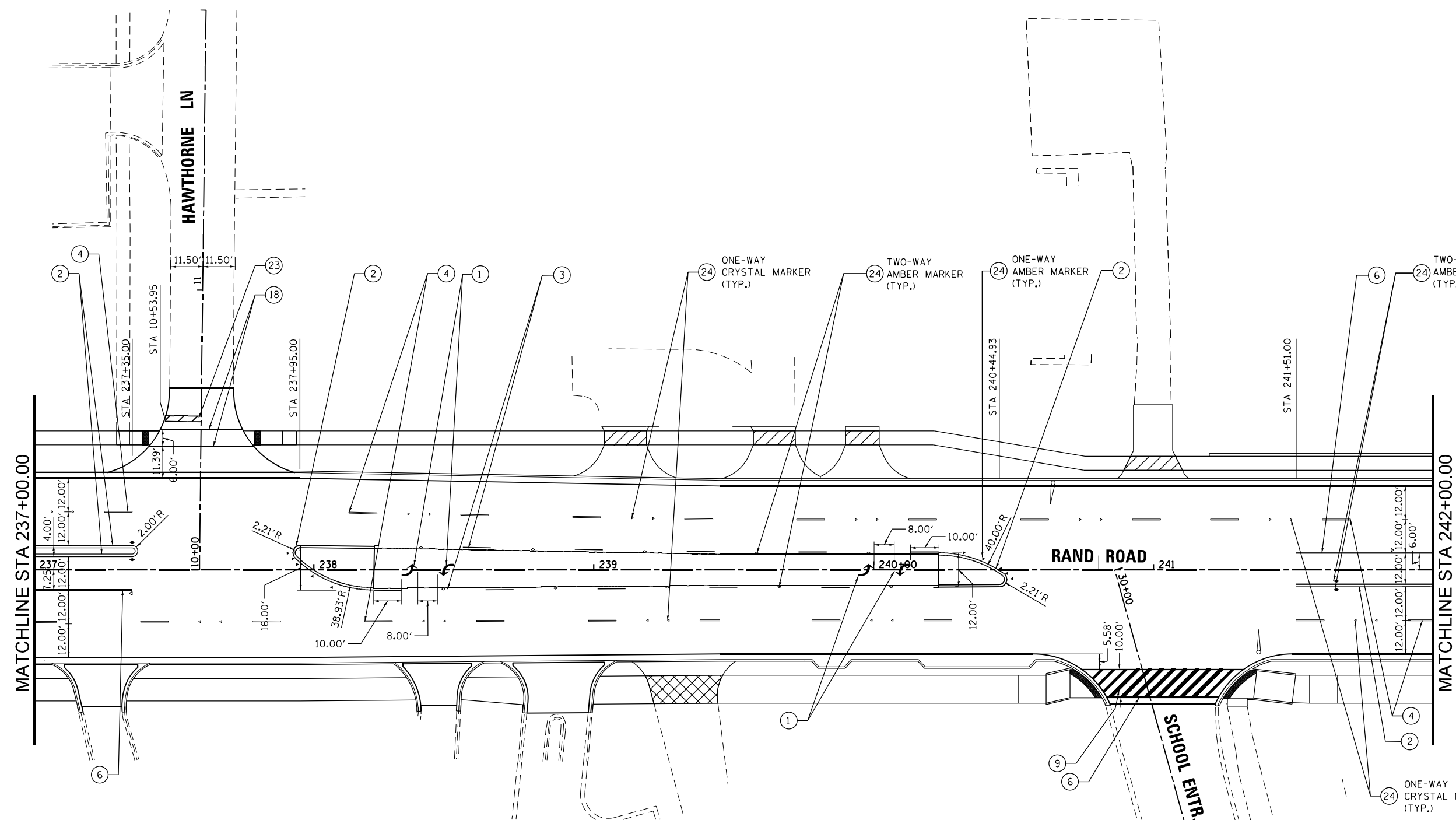
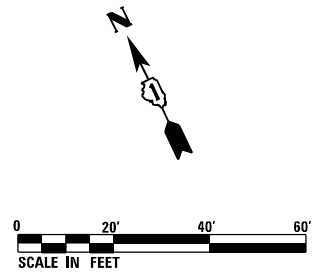


USER NAME = EtwileE	DESIGNED - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MCK	REVISED -
PLOT DATE = 3/18/2024	CHECKED -	REVISED -
	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
<b>RAND ROAD</b>			
SCALE: 1" = 20'	SHEET 3	OF 9 SHEETS	STA. 232+00.00 TO STA. 237+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	96
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



NOTES:  
 1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.

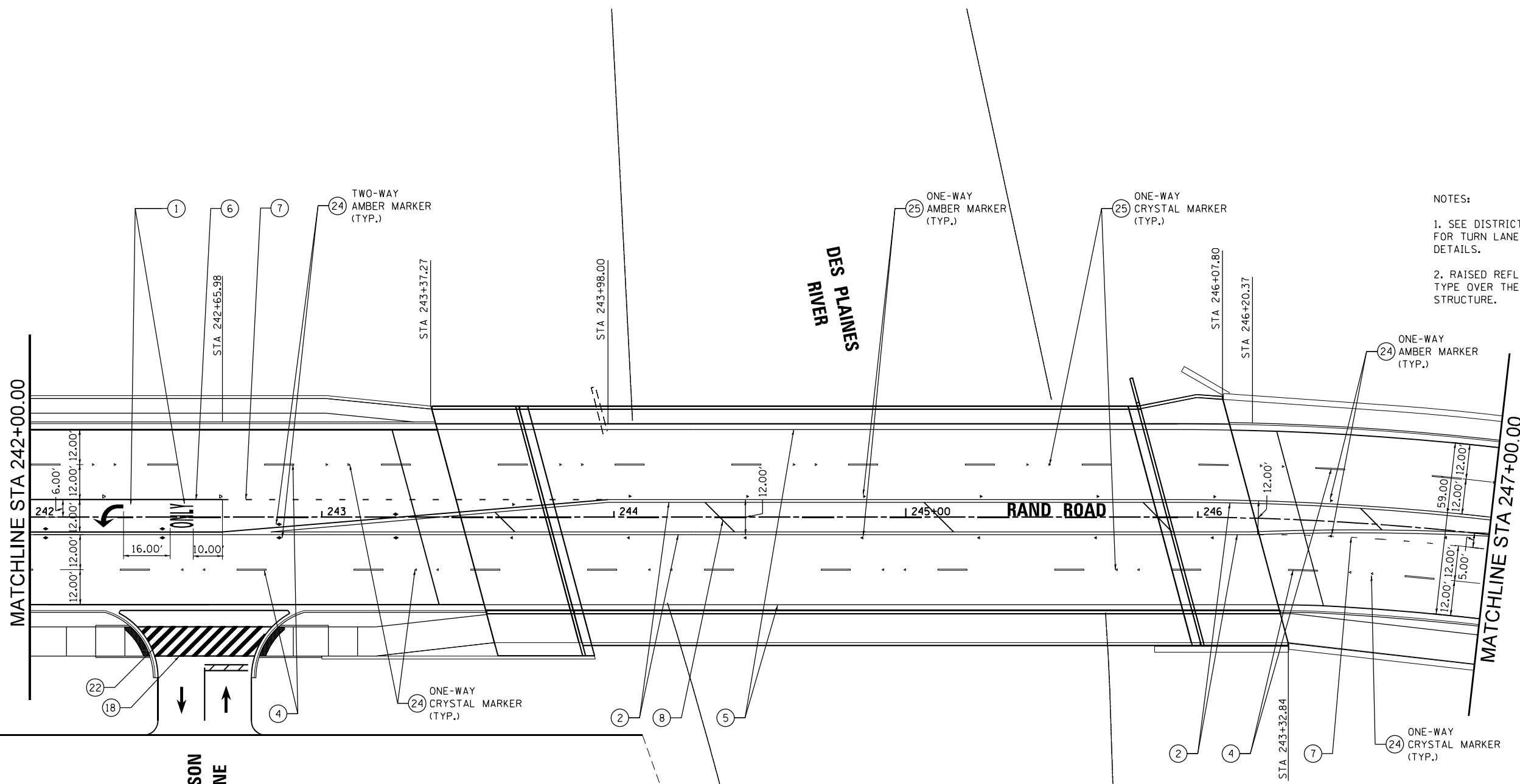
LEGEND	
① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
② POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C	⑭ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③ POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C	⑮ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)	⑯ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑤ POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE	⑰ THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑥ POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE	⑱ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦ POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)	⑲ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧ POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C	⑳ THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
⑨ POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE	㉑ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑩ POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR	㉒ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑪ PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)	㉓ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
⑫ PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE	㉔ RAISED REFLECTIVE PAVEMENT MARKER
	㉕ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

FILE NAME = D:\60110-rt-pmk\2023.dgn

	USER NAME = EtzweE	DESIGNED - MCK	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN          RAND ROAD</b>			F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 97
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET 4 OF 9 SHEETS	STA. 237+00.00 TO STA. 242+00.00	CONTRACT NO. 60J10				
	PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -			ILLINOIS FED. AID PROJECT						



- NOTES:
- SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  - RAISED REFLECTIVE PAVEMENT MARKERS CHANGE TYPE OVER THE LENGTH OF THE PROPOSED BRIDGE STRUCTURE.



LEGEND	
① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
② POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C	⑭ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③ POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C	⑮ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)	⑯ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑤ POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE	⑰ THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑥ POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE	⑱ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦ POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)	⑲ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧ POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C	⑳ THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
⑨ POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE	㉑ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C
⑩ POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR	㉒ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑪ PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)	㉓ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
⑫ PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE	㉔ RAISED REFLECTIVE PAVEMENT MARKER
	㉕ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

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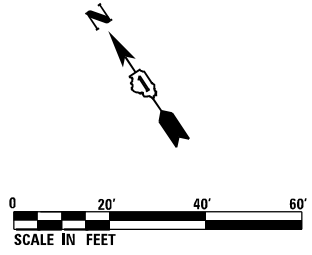
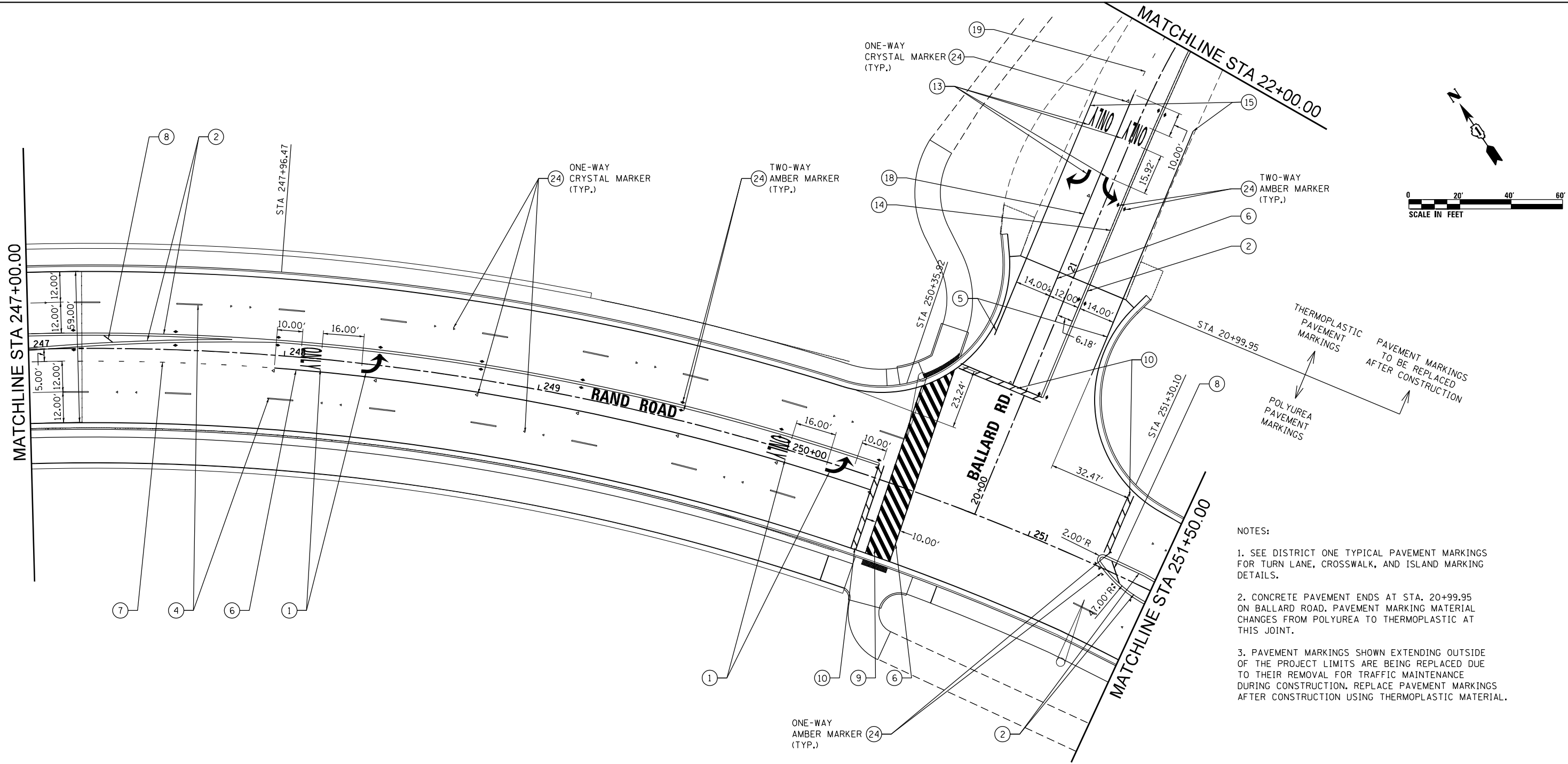


USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>	
<b>RAND ROAD</b>	
SCALE: 1" = 20'	SHEET 5 OF 9 SHEETS
STA. 242+00.00 TO STA. 247+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	98
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
- SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  - CONCRETE PAVEMENT ENDS AT STA. 20+99.95 ON BALLARD ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM POLYUREA TO THERMOPLASTIC AT THIS JOINT.
  - PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.

LEGEND	
①	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)
⑤	POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER
㉕	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

FILE NAME = D:\60110-pht-pmk\205.dgn



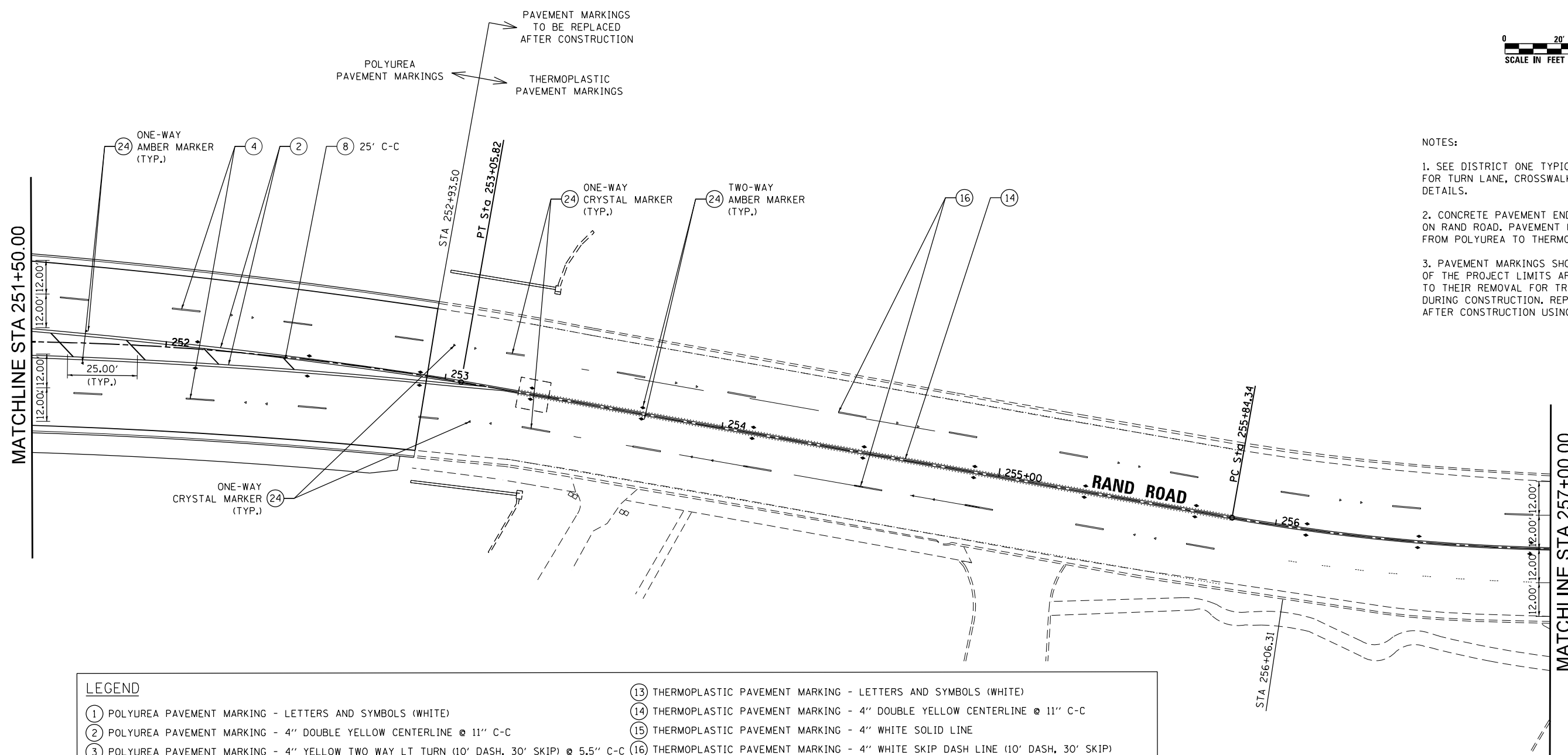
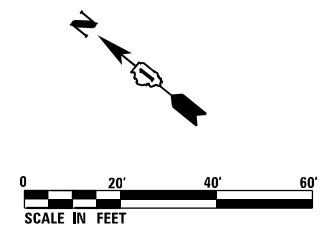
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	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN RAND ROAD</b>			
SCALE: 1" = 20'	SHEET 6 OF 9 SHEETS	STA. 247+00.00 TO STA. 251+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	99
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





- NOTES:
- SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  - CONCRETE PAVEMENT ENDS AT STA. 252+93.50 ON RAND ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM POLYUREA TO THERMOPLASTIC AT THIS JOINT.
  - PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.

LEGEND	
① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
② POLYUREA PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C	⑭ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③ POLYUREA PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C	⑮ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7" (10' DASH, 30' SKIP)	⑯ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑤ POLYUREA PAVEMENT MARKING - 4" WHITE SOLID LINE	⑰ THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑥ POLYUREA PAVEMENT MARKING - 6" WHITE SOLID LINE	⑱ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦ POLYUREA PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)	⑲ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧ POLYUREA PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C	⑳ THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
⑨ POLYUREA PAVEMENT MARKING - 12" WHITE CROSSWALK LINE	㉑ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑩ POLYUREA PAVEMENT MARKING - 24" WHITE STOP BAR	㉒ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑪ PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)	㉓ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
⑫ PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE	㉔ RAISED REFLECTIVE PAVEMENT MARKER
	㉕ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

FILE NAME = D:\60110-shr-pmk-206.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
RAND ROAD**

SCALE: 1" = 20' SHEET 7 OF 9 SHEETS STA. 251+50.00 TO STA. 257+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	100
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				