

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAU ROUTE 345B IL 19 (IRVING PARK ROAD)  
IRVING PARK ROAD AT OLD RIVER ROAD  
INTERSECTION IMPROVEMENT  
SECTION: 15-00082-00-CH  
PROJECT: HMTU(653)  
SCHILLER PARK  
COOK COUNTY  
C-91-189-16

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	1
		ILLINOIS	CONTRACT NO. 61J90	

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

TRAFFIC DATA

ROAD NAME: IRVING PARK ROAD  
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL  
POSTED SPEED LIMIT: 30 MPH  
DESIGN SPEED: 35 MPH  
ADT: 37,900 (2016)  
ADT: 39,300 (2050)

TRAFFIC DATA

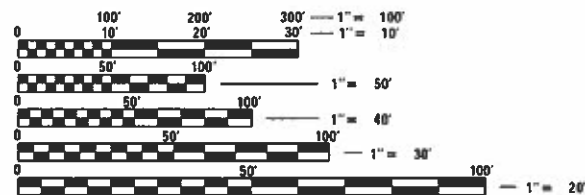
ROAD NAME: OLD RIVER ROAD  
FUNCTIONAL CLASSIFICATION: LOCAL ROAD  
POSTED SPEED LIMIT: 20 MPH  
DESIGN SPEED: 25 MPH  
ADT: 4,200 (2016)  
ADT: 5,100 (2050)

IRVING PARK ROAD

GROSS LENGTH = 1152.59 FT. = 0.218 MILE  
NET LENGTH = 1152.59 FT. = 0.218 MILE

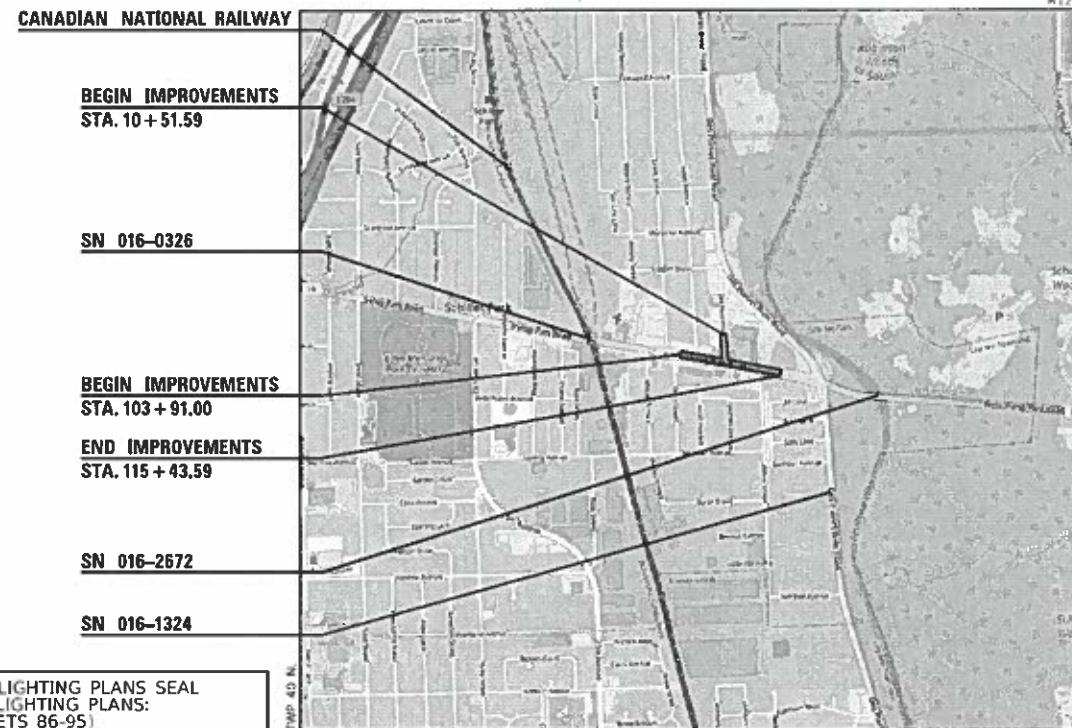
OLD RIVER ROAD

GROSS LENGTH = 304.82 FT. = 0.058 MILE  
NET LENGTH = 304.82 FT. = 0.058 MILE



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

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



FOR LIGHTING PLANS SEAL  
SEE LIGHTING PLANS:  
(SHEETS 86-95)

SHEETS COVERED BY THIS SEAL:  
ROADWAY PLANS  
(SHEETS 1-71, 96-122)



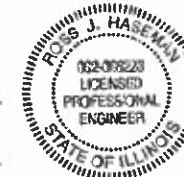
SIGNED: Kevin L. Belgrave  
KEVIN L. BELGRAVE, P.E., PTOE  
DATE: JULY 26, 2024 EXP. 11/30/2025

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055  
E WMOJobStart@mwrd.org

SHEETS COVERED BY THIS SEAL:  
SIGNAL PLANS  
(SHEETS 72-85)

SIGNED: Ross J. Haseaman  
ROSS J. HASEAMAN, P.E., PTOE  
DATE: JULY 26, 2024 EXP. 11/30/2025



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED Bret Kraska  
7/26/2024 VILLAGE OF SCHILLER PARK VILLAGE MANAGER

PASSED Sept 9, 2024  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW September 9 2024  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GHA GEWALT HAMILTON ASSOCIATES, INC.  
625 Forest Edge Drive Vernon Hills, IL 60061  
TEL 847.478.9700 FAX 847.478.9701

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

CONTRACT NO. 61J90

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## HIGHWAY STANDARDS

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280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602306-03	INLET TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6' DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7' DIAMETER
602416-09	PRECAST MANHOLE, TYPE A, 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
604086-03	FRAME AND GRATE TYPE 23
604091-05	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) 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 LAND 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
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729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1 2024, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.

2. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK.

5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

6. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

8. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED.

9. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.

10. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

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

12. TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, EMAD ALHUSSEINI, VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV

13. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

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

## DISTRICT 1 DETAILS

BD-02 DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND

FACE OF CURB GREATER THAN 15' (4.5 m)

BD-07 STORM CONNECTION TO EXISTING SEWER

BD-08 FRAME AND LIDS ADJUSTMENT WITH MILLING

BD-32 BUTT JOINTS AND HMA TAPER DETAILS

BM-02 ANCHOR DETAIL FOR STEEL PLATE BEAM

GUARDRAIL ON CONCRETE

BM-21 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

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 MARKING

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

15. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEMS 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.

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

17. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

18. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS.

19. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

20. ALL SALVAGED LIGHTING UNITS SHALL BE THE PROPERTY OF THE VILLAGE OF SCHILLER PARK. THE CONTRACTOR SHALL CORDINATE WITH THE VILLAGE PRIOR TO THE TAKE DOWN OF SUCH SALVAGABLE LIGHTING ITEMS.

## UTILITY NOTES

1. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.

2. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.

3. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.

4. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.

5. ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.

6. THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.

## TRAFFIC SIGNAL NOTES

### MOTORIST NOTIFICATION FOR TURNING ON NEW TRAFFIC SIGNALS

2 WEEKS PRIOR TO SCHEDULED SIGNAL TURN-ON:  
PLACE A CHANGEABLE MESSAGE SIGN (CMS) ON EACH MAINLINE APPROACH TO THE INTERSECTION WHICH READS:

NEW  
TRAFFIC  
SIGNAL

STARTING  
MMM ##

[INSERT 3-DIGIT MONTH ABBREVIATION & DATE FOR  
SCHEDULED TURN-ON]

ON THE DAY OF THE TURN-ON, CHANGE MESSAGES TO READ:

NEW  
SIGNAL  
AHEAD

BE  
PREPARED  
TO STOP

THE TEMPORARY WARNING DEVICES AND SIGN ACCESSORIES  
SHALL BE REMOVED 2 WEEKS AFTER SIGNAL TURN-ON

FILE NAME = 4999-sht-gn.dgn  
USER NAME = DOlesak  
DESIGNED - KLB  
REVISED -  
DRAWN - DGO  
REVISIED -  
PLOT SCALE = 1:40  
CHECKED - KLB  
REVISIED -  
PLOT DATE = 7/25/2024  
DATE - 7/26/2024  
REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LISTING OF APPLICABLE STANDARDS, GENERAL NOTES

IRVING PARK ROAD - SCHILLER PARK, IL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
345B	15-00082-00-CH	COOK	122 2
			CONTRACT NO. 61190
ILLINOIS		FED. AID PROJECT	

**A. REFERENCED SPECIFICATIONS**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:  
 \* STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;  
 \* STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;  
 \* VILLAGE OF SCHILLER PARK MUNICIPAL CODE;  
 \* THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;  
 \* IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. NOTIFICATIONS**

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO [WMOJOBSTART@MWRD.ORG](mailto:WMOJOBSTART@MWRD.ORG)).

2. THE VILLAGE OF SCHILLER PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

**C. GENERAL NOTES**

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS ' FT.

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

**D. SANITARY SEWER**

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.

4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350	ASTM D-3261,F-2620 (HEAT FUSION)
	ASTM D-3035	ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4 " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:  
 a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.  
 b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.  
 c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING. USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

**E. EROSION AND SEDIMENT CONTROL**

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:  
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.  
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

MWRD GENERAL NOTES		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IRVING PARK ROAD - SCHILLER PARK, IL		345B	15-00082-00-CH	COOK	122	3
		CONTRACT NO. 6190				
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**  
80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		20101100	TREE TRUNK PROTECTION	EACH	5	5
		20101200	TREE ROOT PRUNING	EACH	5	5
		20200100	EARTH EXCAVATION	CU YD	1,366	1,366
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	205	205
		20800150	TRENCH BACKFILL	CU YD	2,758	2,758
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	615	615
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	771	771
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	14	14
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	14	14
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	14	14
		25200110	SODDING, SALT TOLERANT	SQ YD	771	771
		25200200	SUPPLEMENTAL WATERING	UNIT	42	42
		28000510	INLET FILTERS	EACH	53	53
		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	205	205
		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,430	1,430
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,229	2,229

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
SCALE: N.T.S. SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	4
			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**  
80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		35501302	HOT-MIX ASPHALT BASE COURSE, 4 1/2"	SQ YD	125	125
		35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ YD	136	136
		35600660	HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"	SQ YD	43	43
		35600722	HOT-MIX ASPHALT BASE COURSE WIDENING, 11 1/2"	SQ YD	722	722
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	152	152
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,538	5,538
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	115	115
		40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	331	331
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	114	114
		40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	670	670
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6	6
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	18	18
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13,320	13,320
		42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	2,662	2,662
		42400800	DETECTABLE WARNINGS	SQ FT	283	283
		44000100	PAVEMENT REMOVAL	SQ YD	201	201

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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

**SUMMARY OF QUANTITIES**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	5
CONTRACT NO.			61/90	
ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**  
80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	6,802	6,802
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,072	1,072
		44000300	CURB REMOVAL	FOOT	458	458
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,784	2,784
		44000600	SIDEWALK REMOVAL	SQ FT	13,110	13,110
		44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	3	3
		44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	17	17
		44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	13	13
		44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	70	70
		44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	21	21
		44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	600	600
		550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	35	35
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	531	531
		550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	165	165
		550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	313	313
		55100500	STORM SEWER REMOVAL 12"	FOOT	114	114

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 6
CONTRACT NO. 61J90			ILLINOIS FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**

**80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK**

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		55100700	STORM SEWER REMOVAL 15"	FOOT	28	28
		55101200	STORM SEWER REMOVAL 24"	FOOT	36	36
	*	56100700	WATER MAIN 8"	FOOT	25	25
	*	56100900	WATER MAIN 12"	FOOT	63	63
	*	56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1
	*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1
	*	56500700	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	1	1
	*	56500800	DOMESTIC WATER SERVICE BOXES	EACH	1	1
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,247	2,247
		60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1
		60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1
		60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
		60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	5	5
		60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	6	6
		60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	7
CONTRACT NO. 61J90			ILLINOIS FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**

**80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK**

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
		60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	4	4
		60222230	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	5	5
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
		60224439	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1
		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6	6
		60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	5	5
		60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	1	1
		60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	4	4
		60600605	CONCRETE CURB, TYPE B	FOOT	278	278
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,091	2,091
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	313	313
		60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	180	180
		60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	92	92

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	8
			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				



SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	79	79
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2,045	2,045
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	13	13
	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9
		67100100	MOBILIZATION	LSUM	1	1
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	294	294
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,764	2,764
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	6,987	6,987
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	579	579
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	13,071	13,071
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1,830	1,830
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2,226	2,226

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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		DATE - 7/26/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL

SCALE: N.T.S. SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J90	

SUMMARY OF QUANTITIES						CONSTRUCTION CODE
						80% FEDERAL / 20% VILLAGE OF SCHILLER PARK
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	360	360
		70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	220	220
		70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	16,385	16,385
		70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	228	228
		70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	78	78
		70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	96	96
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	625	625
		70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	27	27
		70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	93	93
	*	72000200	SIGN PANEL - TYPE 2	SQ FT	33	33
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	6	6
	*	72900200	METAL POST - TYPE B	FOOT	95	95
	*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	193	193
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,190	6,190

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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DESIGNED - KLB  
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DATE - 7/26/2024

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL  
SCALE: N.T.S. SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3458	15-00082-00-CH	COOK	122	10
CONTRACT NO. 61190				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	305	305
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	830	830
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	120	120
	*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	136	136
	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	116	116
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	102	102
		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	46	46
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,805	1,805
	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,769	1,769
	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	143	143
	*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	362	362
	*	81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	850	850
	*	81400100	HANDHOLE	EACH	4	4
	*	81400200	HEAVY-DUTY HANDHOLE	EACH	1	1
	*	81400300	DOUBLE HANDHOLE	EACH	2	2
	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	17	17

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL

SCALE: N.T.S. SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J90	

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**

**80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK**

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
	*	81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3,465	3,465
	*	82700100	TRANSFORMER, GENERAL PURPOSE	EACH	12	12
	*	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	72	72
	*	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	2	2
	*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	1
	*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,233	1,233
	*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,174	1,174
	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,507	1,507
	*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,176	2,176
	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	695	695
	*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,777	1,777
	*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	126	126
	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	568	568
	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	4

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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	DATE - 7/26/2024	REVISED -

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CHECKED - KLB	REVISED -
DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 12
			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

**CONSTRUCTION CODE**  
80% FEDERAL / 20%  
VILLAGE OF SCHILLER  
PARK

#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
	*	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	1
	*	87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1
	*	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2	2
	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	20
	*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4
	*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	29	29
	*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22	22
	*	87900200	DRILL EXISTING HANDHOLE	EACH	2	2
	*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7	7
	*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6	6
	*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2
	*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	2
	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8
	*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9	9
	*	88500100	INDUCTIVE LOOP DETECTOR	EACH	5	5
	*	88600100	DETECTOR LOOP, TYPE I	FOOT	230	230

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042



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PLOT DATE =	7/25/2024	DATE -	7/26/2024	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: N.T.S. SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	13
			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES						CONSTRUCTION CODE	
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL / 20% VILLAGE OF SCHILLER PARK	
						0004	
	*	88700200	LIGHT DETECTOR	EACH	2	2	
	*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	1	
	*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,877	1,877	
		X0322102	TEMPORARY SIDEWALK RAMP	EACH	6	6	
	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	277	277	
	*	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	LSUM	1	1	
		X0327036	BIKE PATH REMOVAL	SQ YD	68	68	
	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1	
		X1700112	BRICK PAVER REMOVAL	SQ FT	3,233	3,233	
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	14	14	
		X4023000	TEMPORARY ACCESS (ROAD)	EACH	4	4	
	*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	82	82	
	*	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	1	1	
		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	11	11	
	*	X6331009	REMOVE AND REPLACE STEEL PLATE BEAM GUARDRAIL (SPECIAL)	FOOT	97	97	
		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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		DATE - 7/26/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IRVING PARK ROAD - SCHILLER PARK, IL			
SCALE: N.T.S.	SHEET 11	OF 13 SHEETS	STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 14
CONTRACT NO. 61190				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES						CONSTRUCTION CODE
						80% FEDERAL / 20% VILLAGE OF SCHILLER PARK
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		X7240502	RELOCATE SIGN, SPECIAL	EACH	1	1
		X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	93	93
	*	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	93	93
	*	X8250500	LIGHTING UNIT COMPLETE (SPECIAL)	EACH	12	12
	*	X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1
	*	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	1
	*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,233	1,233
	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8
	*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	17	17
	*	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2	2
		Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	408	408
	*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	7	7
		Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	6	6
	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10	10
	*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IRVING PARK ROAD - SCHILLER PARK, IL			
SCALE: N.T.S.	SHEET 12 OF 13 SHEETS	STA.	TO STA.

F.A.U. RATE: 345B	SECTION: 15-00082-00-CH	COUNTY: COOK	TOTAL SHEETS: 122	SHEET NO.: 15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61190	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
#	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	197	197
		Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	9	9
		Z0056611	STORM SEWER (WATER MAIN REQUIREMENTS) 16 INCH	FOOT	19	19
		Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	953	953
		Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	333	333
		Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	28	28
		Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	34	34
		Z0056678	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	FOOT	27	27
	*	Z0067600	STEEL CASINGS 18"	FOOT	25	25
	*	Z0067800	STEEL CASINGS 22"	FOOT	24	24
	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2
#		Z0076600	TRAINEES	HOUR	500	500
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

\* SPECIALTY ITEM # CONSTRUCTION CODE 0042

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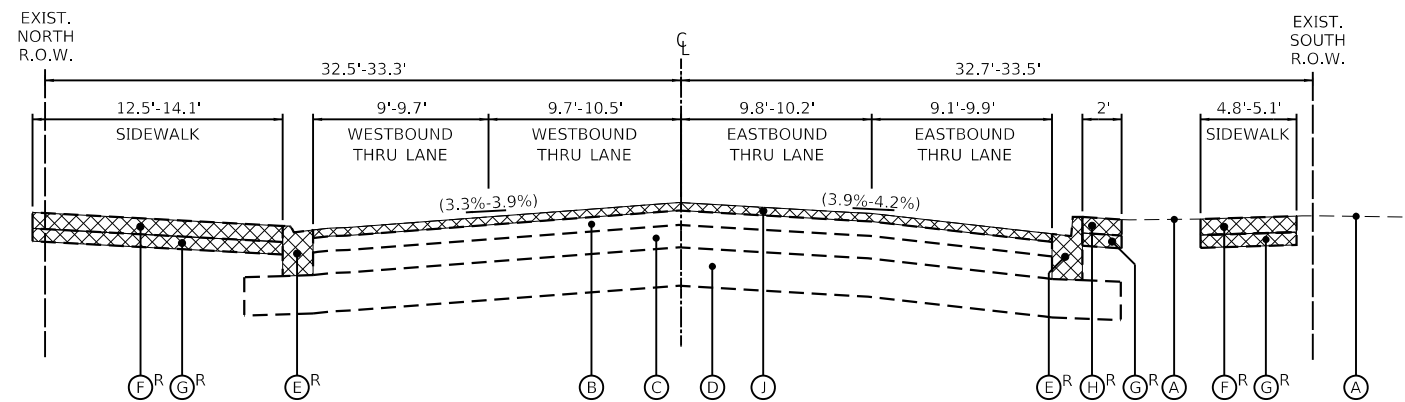
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IRVING PARK ROAD - SCHILLER PARK, IL		345B	15-00082-00-CH	COOK	122	16
SCALE: N.T.S.		SHEET 13 OF 13 SHEETS		STA.	TO STA.	
		ILLINOIS		FED. AID PROJECT		
				CONTRACT NO. 61190		



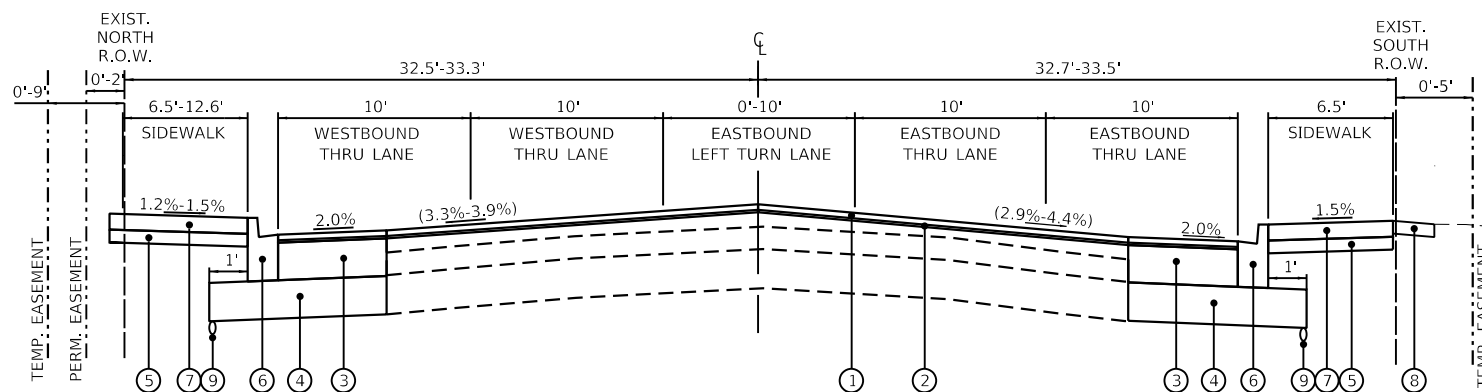
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7"±
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7"±
- (D) EXISTING AGGREGATE SUBGRADE, 12"±
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) EXISTING AGGREGATE BASE COURSE
- (H) EXISTING BRICK PAVERS
- (I) EXISTING CONCRETE CURB
- (J) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (8) TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT SODDING, SALT TOLERANT SUPPLEMENTAL WATERING
- (9) PIPE UNDERDRAINS, TYPE 2, 4"



**IRVING PARK ROAD  
EXISTING TYPICAL SECTION**

STA. 103+91 TO STA. 107+61



**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**

STA. 103+91 TO STA. 107+61

NOTE:  
COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12  
FOR LEFT CURBLINE FROM  
STA. 103+94 TO STA. 105+43

NOTE:  
5' SIDEWALK FROM STA. 104+76 TO STA. 105+45  
6.5' CARRIAGE WALK FROM STA. 105+45 TO STA. 108+14

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
IRVING PARK ROAD RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"	3.5% @ 80 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 Gyr.	LR1030-2
OLD RIVER RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 Gyr.	LR1030-2
IRVING PARK ROAD WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1.75"	3.5% @ 80 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm); 11.5"	4% @ 90 Gyr.	LR1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING, 11.5' (HMA BINDER IL-19.0)	4% @ 90 Gyr.	LR1030-2
OLD RIVER ROAD WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm); 4.5"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING, 4.5' (HMA BINDER IL-19.0)	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	LR1030-2
HMA BASE COURSE (HMA BINDER IL-19 mm), CE- 8"	4% @ 50 Gyr.	LR1030-2
HMA PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" (TWO LIFTS)	4% @ 50 Gyr.	LR1030-2
PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 Gyr.	LR1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 Gyr.	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

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

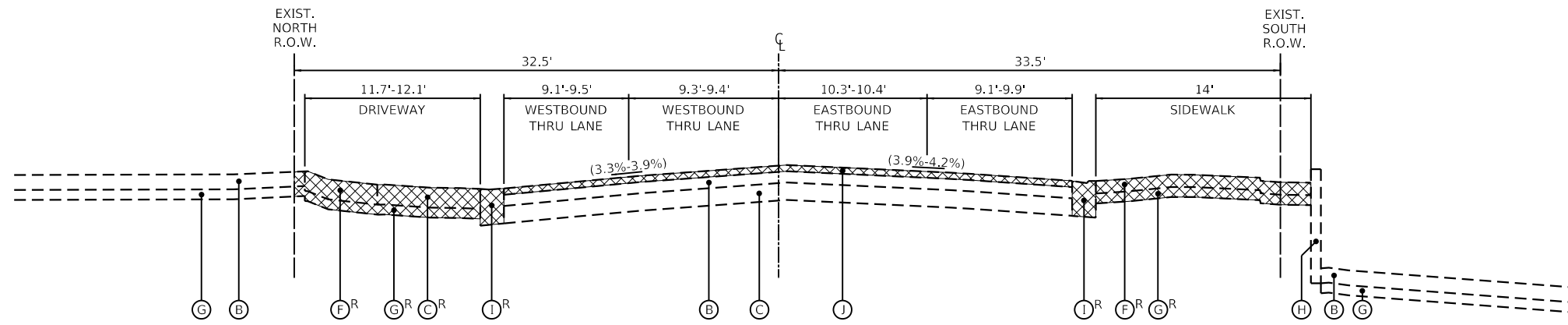
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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		DATE - 7/26/2024	REVISED -

<b>TYPICAL SECTIONS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>		345B	15-00082-00-CH	COOK	122	17
SCALE: N.T.S.		SHEET 1 OF 7 SHEETS		STA. TO STA.	CONTRACT NO. 6190	
		ILLINOIS		FED. AID PROJECT		

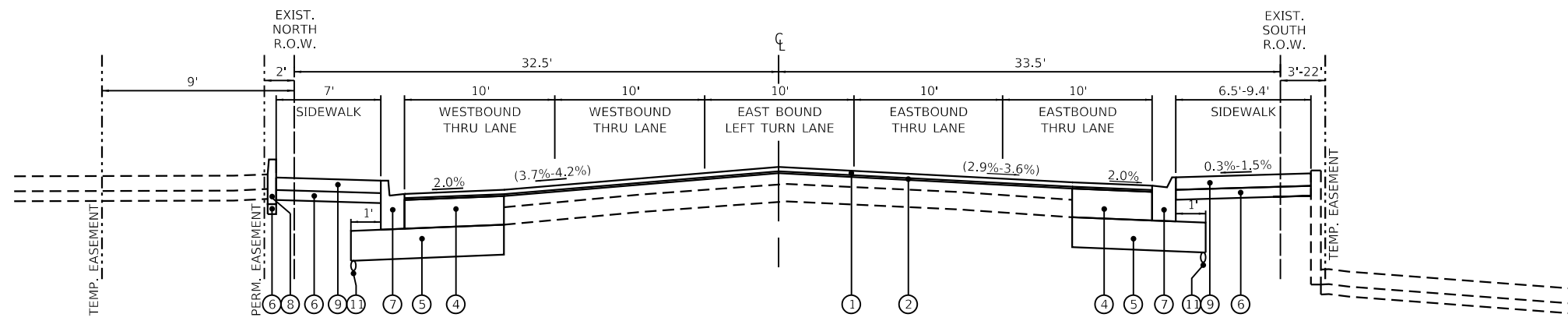
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7"±
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7"±
- (D) EXISTING AGGREGATE SUBGRADE, 12"±
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) EXISTING AGGREGATE BASE COURSE
- (H) EXISTING RETAINING WALL
- (I) EXISTING CONCRETE CURB
- (J) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (K) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (4) HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) CONCRETE CURB, TYPE B
- (9) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (10) TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
PHOSPHORUS FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
SODDING, SALT TOLERANT  
SUPPLEMENTAL WATERING
- (11) PIPE UNDERDRAINS, TYPE 2, 4"



**IRVING PARK ROAD  
EXISTING TYPICAL SECTION**

STA. 107+61 TO STA. 109+05



**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**

STA. 107+61 TO STA. 109+05

NOTE: COMBINATION CONCRETE CURB AND GUTTER,  
TYPE M-4.12 FOR RIGHT CURBLINE FROM  
STA. 108+14 TO STA. 109+05.

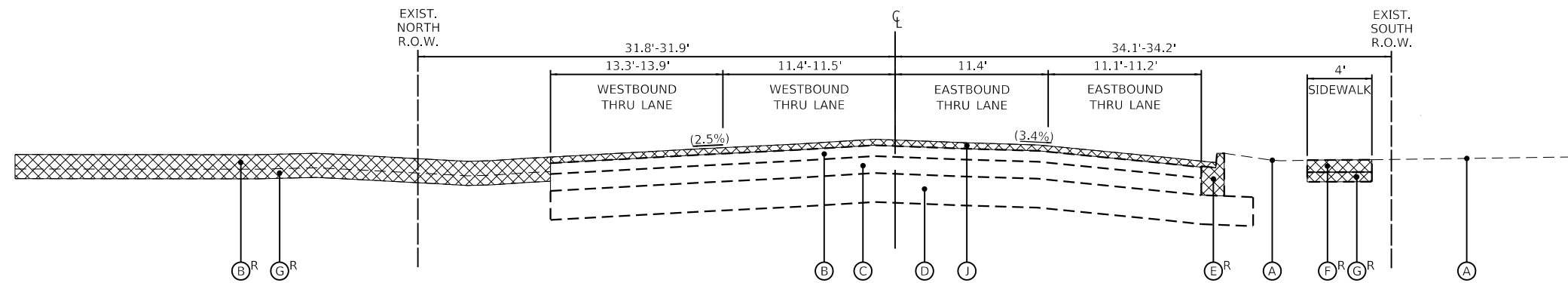
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<b>TYPICAL SECTIONS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: N.T.S.	SHEET 2 OF 7 SHEETS
STA.	TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	18
CONTRACT NO.			61190	
ILLINOIS FED. AID PROJECT				

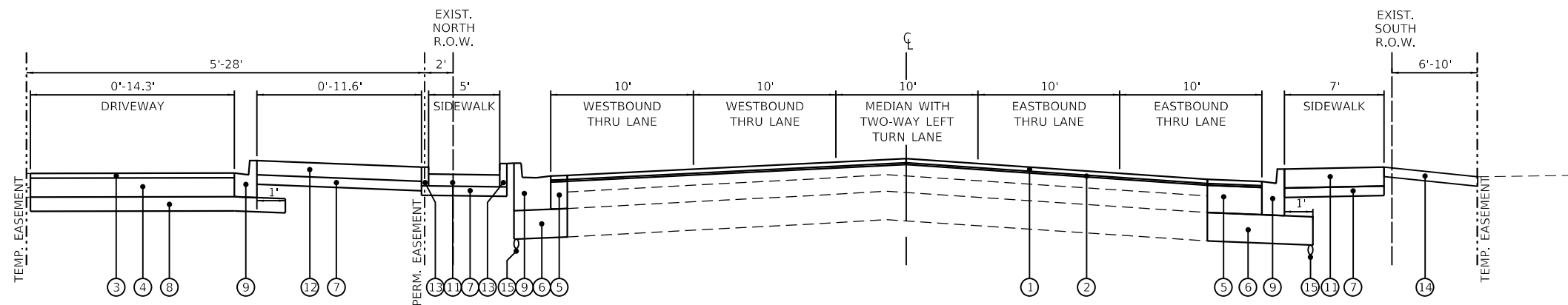
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7"±
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7"±
- (D) EXISTING AGGREGATE SUBGRADE, 12"±
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) EXISTING AGGREGATE BASE COURSE
- (H) EXISTING BRICK PAVERS
- (I) EXISTING CONCRETE CURB
- (J) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (4) HOT-MIX ASPHALT BASE COURSE, 8"
- (5) HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (8) AGGREGATE BASE COURSE, TYPE B 6"
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (12) CONCRETE MEDIAN SURFACE, 6"
- (13) SIDE CURB (SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM)
- (14) TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT SODDING, SALT TOLERANT SUPPLEMENTAL WATERING
- (15) PIPE UNDERDRAINS, TYPE 2, 4"



**IRVING PARK ROAD  
EXISTING TYPICAL SECTION**

STA. 111+51 TO STA. 111+98



**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**

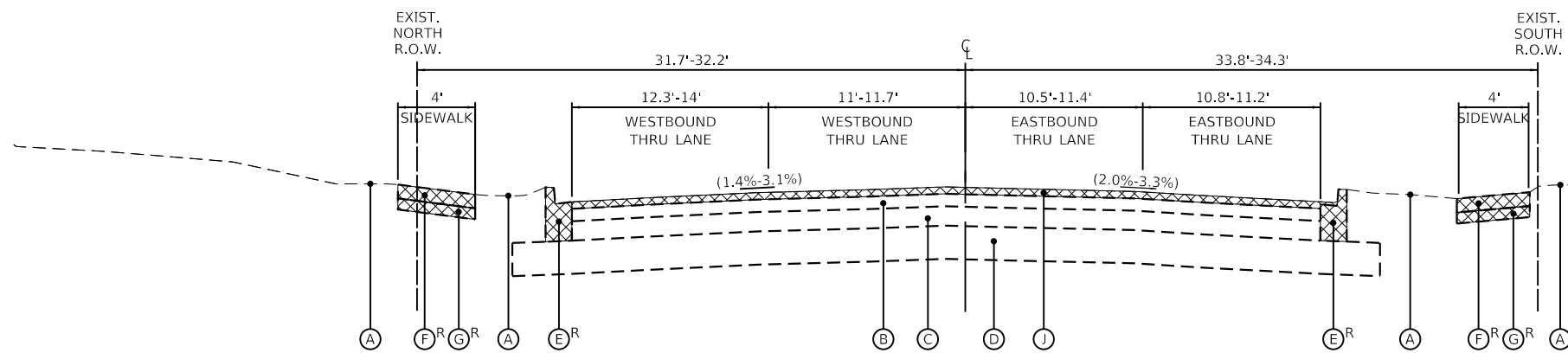
STA. 111+20 TO STA. 112+13

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		DATE - 7/26/2024	REVISED -

<b>TYPICAL SECTIONS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>		345B	15-00082-00-CH	COOK	122	19
SCALE: N.T.S.		SHEET 3 OF 7 SHEETS		STA.	TO STA.	
				ILLINOIS FED. AID PROJECT CONTRACT NO. 6190		

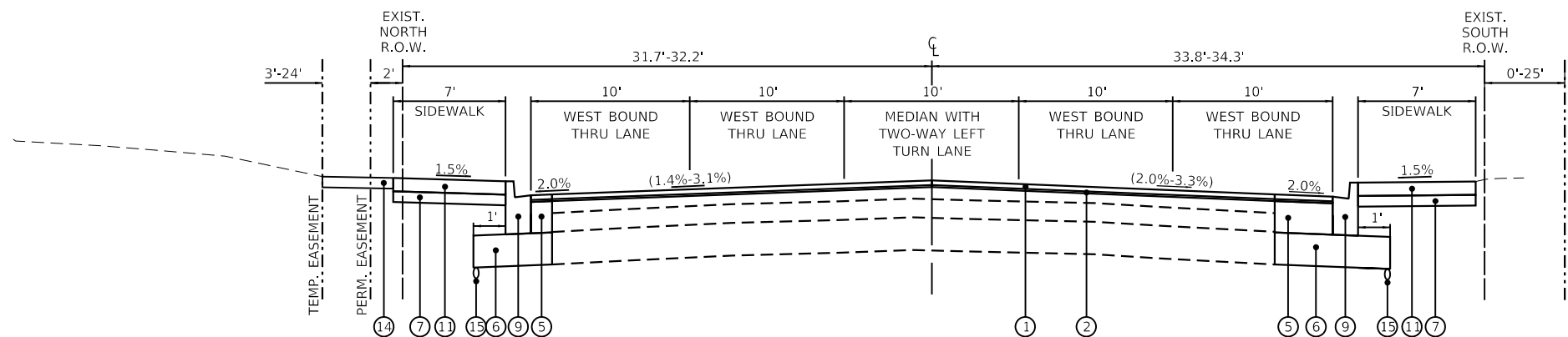
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7"±
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7"±
- (D) EXISTING AGGREGATE SUBGRADE, 12"±
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) EXISTING AGGREGATE BASE COURSE
- (H) EXISTING BRICK PAVERS
- (I) EXISTING CONCRETE CURB
- (J) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (R) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (4) HOT-MIX ASPHALT BASE COURSE, 8"
- (5) HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (8) AGGREGATE BASE COURSE, TYPE B 6"
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (11) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (12) CONCRETE MEDIAN SURFACE, 6"
- (13) SIDE CURB (SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM)
- (14) TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT SODDING, SALT TOLERANT SUPPLEMENTAL WATERING
- (15) PIPE UNDERDRAINS, TYPE 2, 4"



**IRVING PARK ROAD  
EXISTING TYPICAL SECTION**

STA. 109+05 TO STA. 111+51  
STA. 111+98 TO STA. 113+06



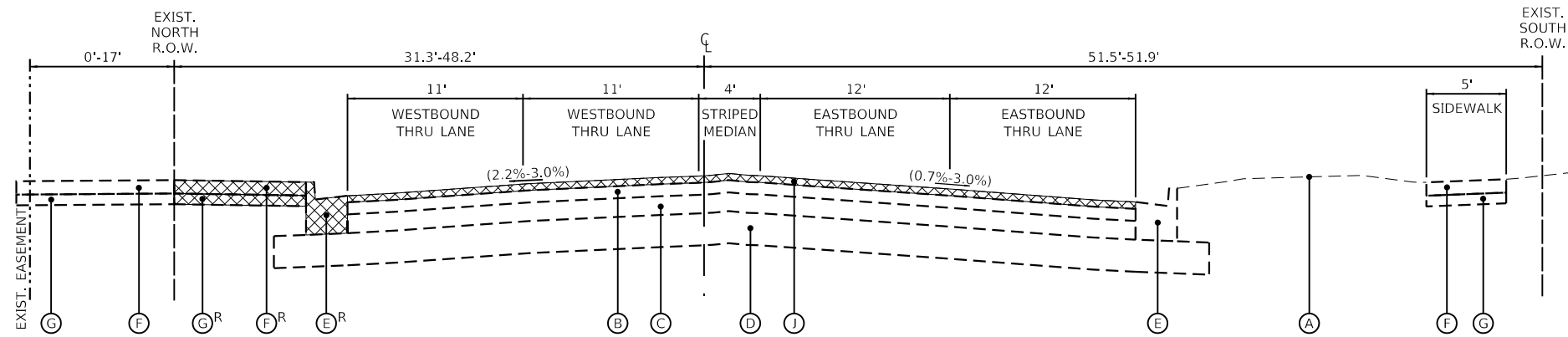
**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**

STA. 109+05 TO STA. 111+20  
STA. 112+13 TO STA. 113+06

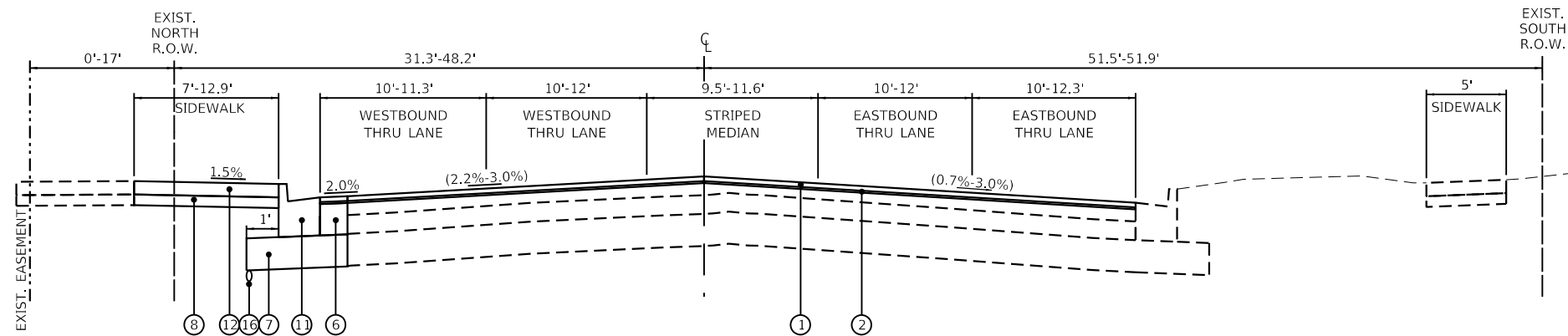
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<b>TYPICAL SECTIONS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: N.T.S.	SHEET 4 OF 7 SHEETS
STA.	TO STA.

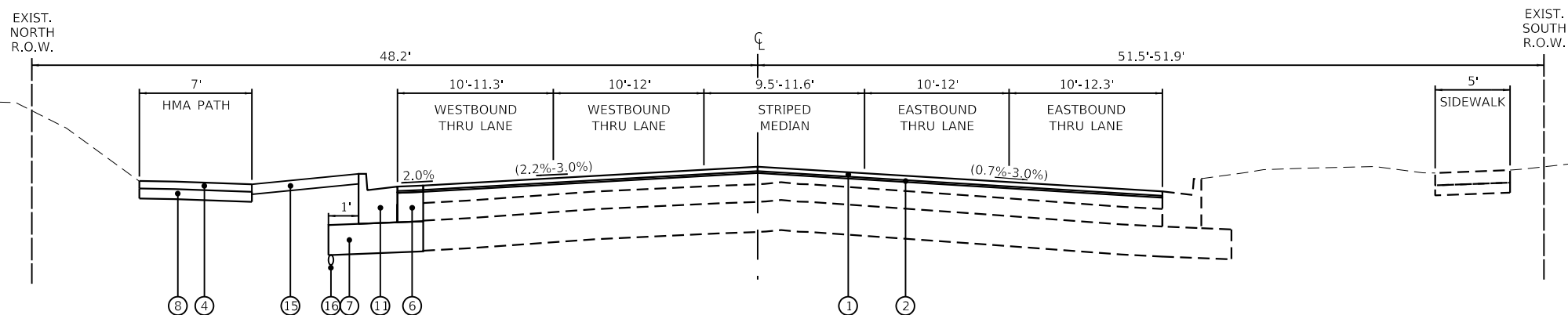
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	20
CONTRACT NO.			6190	
ILLINOIS FED. AID PROJECT				



**IRVING PARK ROAD  
EXISTING TYPICAL SECTION**  
STA. 113+06 TO STA. 115+44



**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**  
STA. 113+06 TO STA. 114+83



**IRVING PARK ROAD  
PROPOSED TYPICAL SECTION**  
STA. 114+83 TO STA. 115+44

**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7"±
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7"±
- (D) EXISTING AGGREGATE SUBGRADE, 12"±
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) EXISTING AGGREGATE BASE COURSE
- (H) EXISTING BRICK PAVERS
- (I) EXISTING CONCRETE CURB
- (J) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (K) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" (IN TWO LIFTS)
- (5) HOT-MIX ASPHALT BASE COURSE, 8"
- (6) HOT-MIX ASPHALT BASE COURSE, 11 1/2"
- (7) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (9) AGGREGATE BASE COURSE, TYPE B 6"
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (13) CONCRETE MEDIAN SURFACE, 6"
- (14) SIDE CURB (SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM)
- (15) TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
PHOSPHORUS FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
SODDING, SALT TOLERANT  
SUPPLEMENTAL WATERING
- (16) PIPE UNDERDRAINS, TYPE 2, 4"

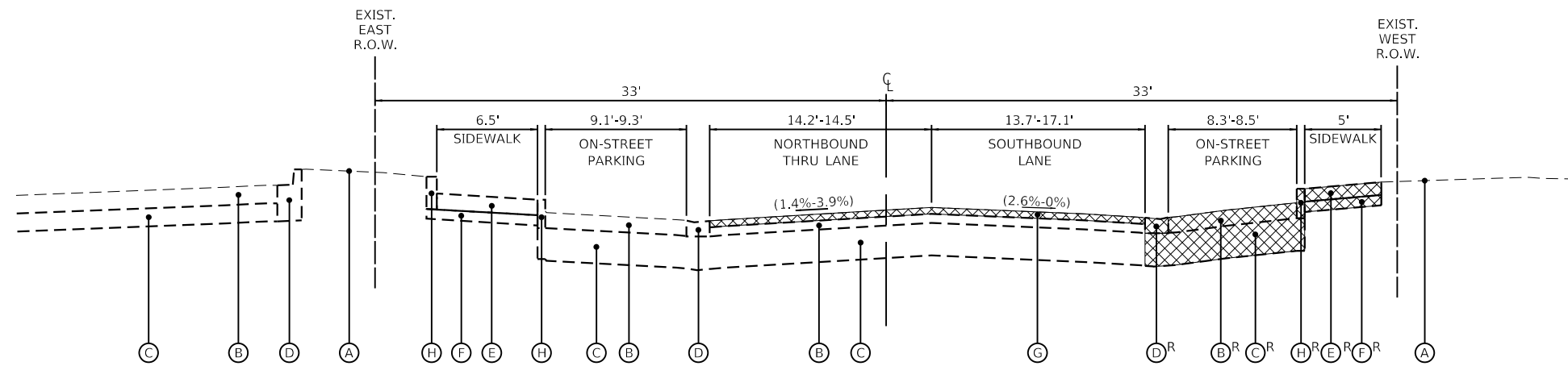
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<b>TYPICAL SECTIONS</b>			
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>			
SCALE: N.T.S.	SHEET 5 OF 7 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	21
CONTRACT NO. 6190				
ILLINOIS FED. AID PROJECT				

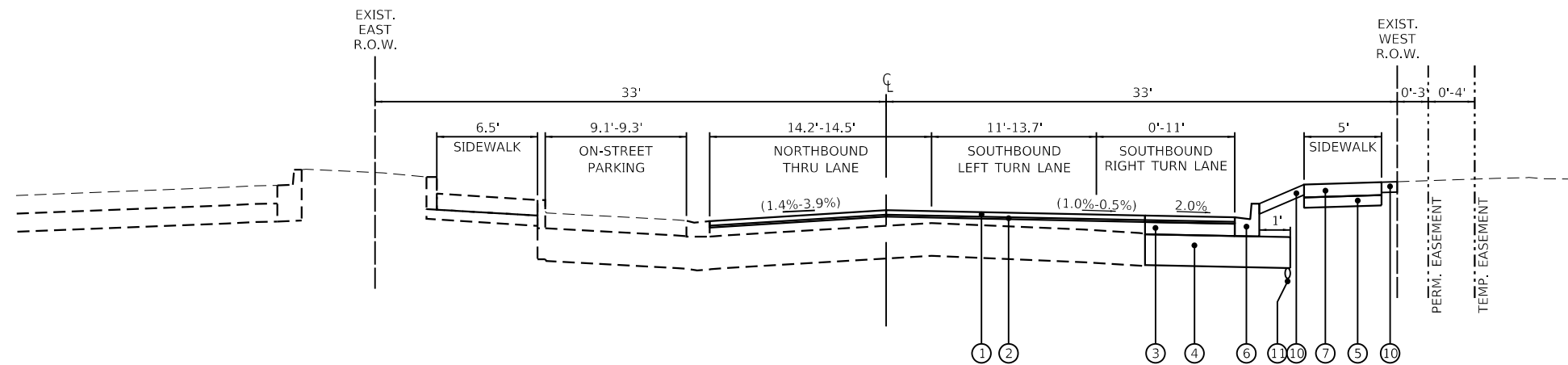
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"±
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING AGGREGATE BASE COURSE
- (G) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (H) EXISTING CONCRETE CURB
- (R) ITEM TO BE REMOVED
  
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5, N50, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT BASECOURSE, 4 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (8) SIDE CURB (SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM)
- (9) CONCRETE CURB, TYPE B
- (10) TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT SODDING, SALT TOLERANT SUPPLEMENTAL WATERING
- (11) PIPE UNDERDRAINS, TYPE 2, 4"



**OLD RIVER ROAD  
EXISTING TYPICAL SECTION**

STA. 10+52 TO STA. 12+43



**OLD RIVER ROAD  
PROPOSED TYPICAL SECTION**

STA. 10+52 TO STA. 12+43

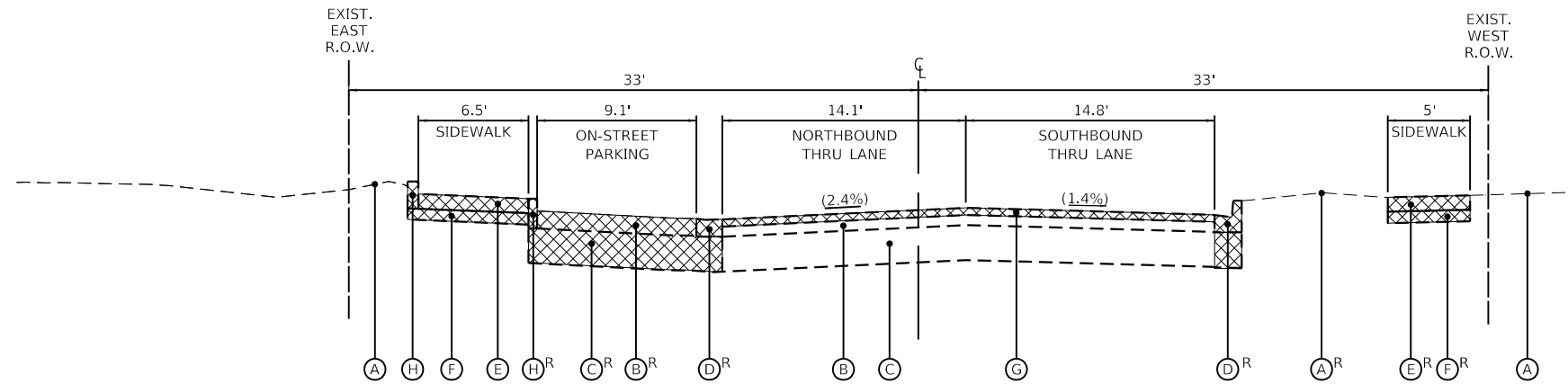
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<b>TYPICAL SECTIONS</b>	
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>	
SCALE: N.T.S.	SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	22
CONTRACT NO.			61190	
ILLINOIS		FED. AID PROJECT		

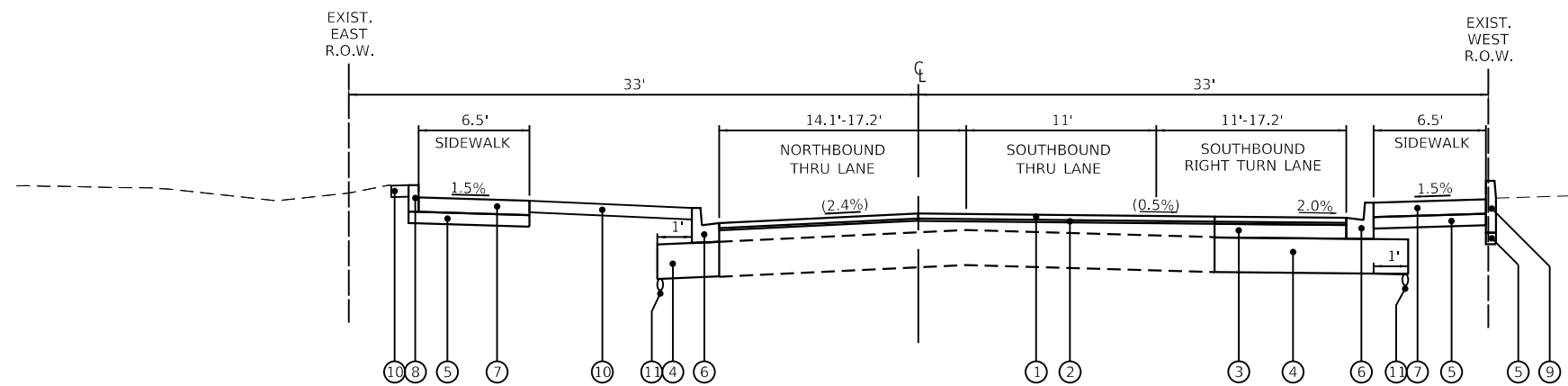
**LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"±
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING AGGREGATE BASE COURSE
- (G) HOT-MIX ASPHALT REMOVAL 2 1/2"
- (H) EXISTING CONCRETE CURB
- (H)<sup>R</sup> ITEM TO BE REMOVED
  
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5, N50, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT BASECOURSE, 4 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (8) SIDE CURB (SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM)
- (9) CONCRETE CURB, TYPE B
- (10) TOPSOIL FURNISH AND PLACE, 4" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT SODDING, SALT TOLERANT SUPPLEMENTAL WATERING
- (11) PIPE UNDERDRAINS, TYPE 2, 4"



**OLD RIVER ROAD  
EXISTING TYPICAL SECTION**

STA. 12+43 TO STA. 12+98



**OLD RIVER ROAD  
PROPOSED TYPICAL SECTION**

STA. 12+43 TO STA. 12+98

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		DATE - 7/26/2024	REVISED -

<b>TYPICAL SECTIONS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>		345B	15-00082-00-CH	COOK	122	23
		SCALE: N.T.S.		SHEET 7 OF 7 SHEETS		CONTRACT NO. 61190
		STA. TO STA.		ILLINOIS FED. AID PROJECT		

SCHEDULE OF EARTHWORK						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
103+50.00	TO	104+00.00	10.82	9.20	1.89	7.31
104+00.00	TO	104+50.00	27.33	23.23	3.63	19.60
104+50.00	TO	105+00.00	41.89	35.61	3.50	32.11
105+00.00	TO	105+50.00	55.51	47.18	2.92	44.26
105+50.00	TO	105+71.52	20.61	17.52	0.83	16.69
105+71.52	TO	106+00.00	32.54	27.66	1.17	26.49
106+00.00	TO	106+50.00	73.19	62.21	2.97	59.24
106+50.00	TO	107+00.00	68.81	58.49	3.35	55.14
107+00.00	TO	107+37.95	57.22	48.63	2.00	46.63
107+37.95	TO	107+50.00	18.83	16.01	0.35	15.66
107+50.00	TO	107+52.87	4.04	3.44	0.06	3.38
107+52.87	TO	107+95.97	72.95	62.00	1.38	60.62
107+95.97	TO	108+00.00	8.40	7.14	0.17	6.97
108+00.00	TO	108+22.84	44.02	37.42	0.93	36.49
108+22.84	TO	108+50.00	39.75	33.79	1.37	32.42
108+50.00	TO	109+00.00	42.47	36.10	2.20	33.90
109+00.00	TO	109+20.21	17.63	14.99	0.36	14.63
109+20.21	TO	109+50.00	41.74	35.48	0.53	34.95
109+50.00	TO	109+79.78	35.92	30.53	0.97	29.56
109+79.78	TO	110+00.00	18.68	15.88	0.99	14.89
110+00.00	TO	110+50.00	51.06	43.40	2.90	40.50
110+50.00	TO	110+72.14	19.91	16.92	1.10	15.82
110+72.14	TO	111+00.00	23.06	19.60	1.25	18.35
111+00.00	TO	111+33.28	30.48	25.91	1.15	24.76
111+33.28	TO	111+50.00	20.58	17.49	2.50	14.99
111+50.00	TO	111+66.53	23.50	19.97	2.95	17.02
111+66.53	TO	111+94.05	32.60	27.71	1.36	26.35
111+94.05	TO	112+00.00	6.03	5.13	0.10	5.03
112+00.00	TO	112+50.00	46.84	39.81	1.79	38.02
112+50.00	TO	112+90.35	29.98	25.48	1.31	24.17
112+90.35	TO	113+00.00	4.62	3.93	0.11	3.82
113+00.00	TO	113+30.35	14.47	12.30	0.75	11.55
113+30.35	TO	113+50.00	11.13	9.46	0.66	8.80
113+50.00	TO	114+00.00	20.99	17.84	1.68	16.16
114+00.00	TO	114+50.00	14.50	12.33	2.06	10.27
114+50.00	TO	114+60.33	2.87	2.44	0.50	1.94
114+60.33	TO	115+00.00	9.79	8.32	1.87	6.45
115+00.00	TO	115+50.00	5.04	4.28	1.16	3.12
<b>TOTAL VOLUMES (CU YD):</b>			<b>1100</b>	<b>935</b>	<b>57</b>	<b>878</b>

SCHEDULE OF EARTHWORK						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
10+00.00	TO	10+50.00	0.00	0.00	0.00	0.00
10+50.00	TO	10+89.66	4.86	4.13	3.18	0.95
10+89.66	TO	11+00.00	4.26	3.62	0.98	2.64
11+00.00	TO	11+50.00	25.54	21.71	2.52	19.19
11+50.00	TO	11+76.46	18.93	16.09	0.95	15.14
11+76.46	TO	12+00.00	21.10	17.93	0.00	17.93
12+00.00	TO	12+17.06	12.97	11.02	0.00	11.02
12+17.06	TO	12+50.00	28.64	24.34	3.57	20.77
12+50.00	TO	13+00.00	87.81	74.64	6.11	68.53
13+00.00	TO	13+50.00	62.25	52.91	0.69	52.22
<b>TOTAL VOLUMES (CU YD):</b>			<b>266</b>	<b>226</b>	<b>18</b>	<b>208</b>

FILE NAME = 4999-sht-EV3schedule.dgn	USER NAME = DOlesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EARTHWORKS SCHEDULE  
IRVING PARK ROAD - SCHILLER PARK, IL**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

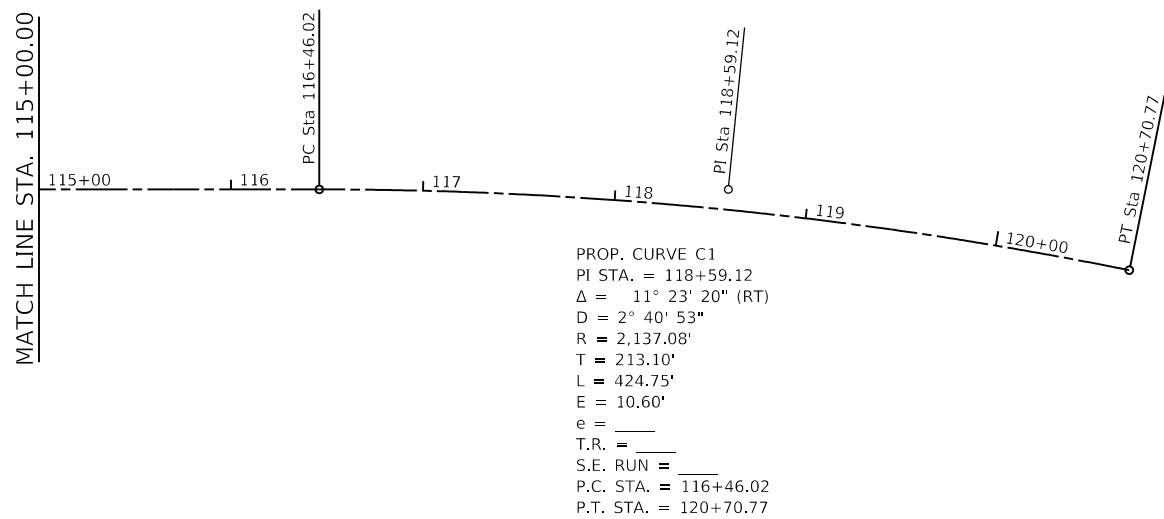
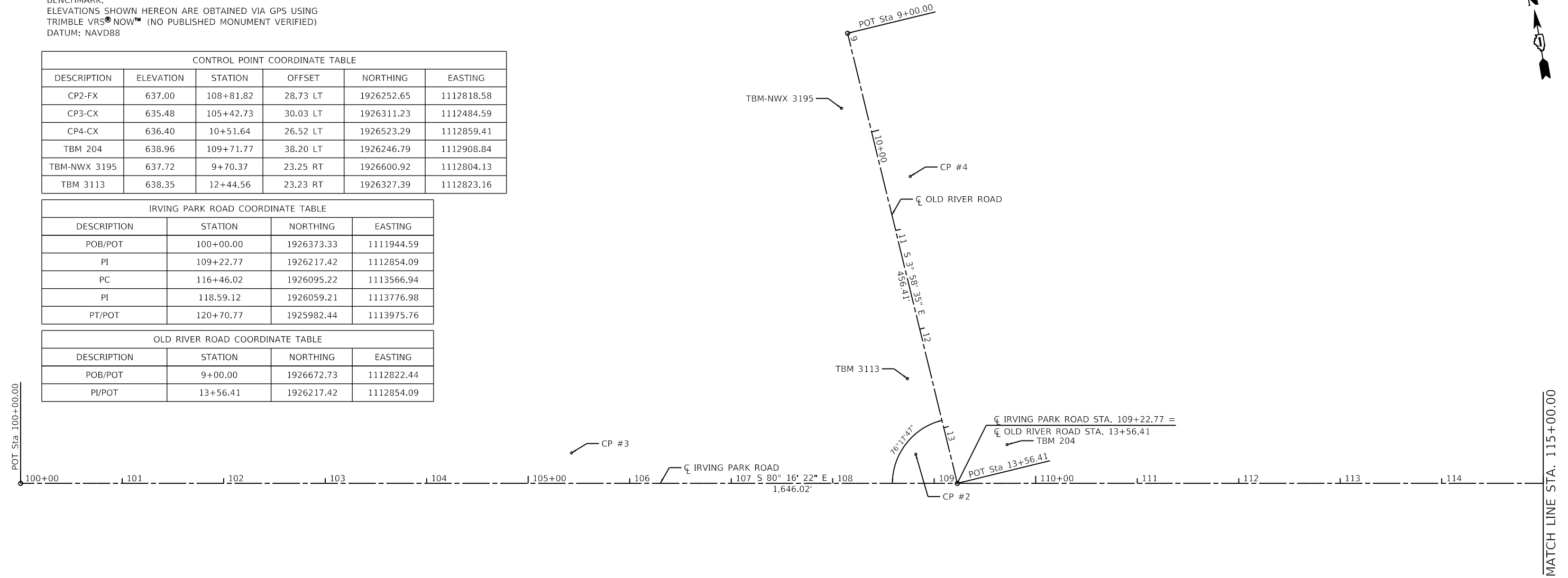


BENCHMARK:  
 ELEVATIONS SHOWN HEREON ARE OBTAINED VIA GPS USING  
 TRIMBLE VRS<sup>®</sup> NOW™ (NO PUBLISHED MONUMENT VERIFIED)  
 DATUM: NAVD88

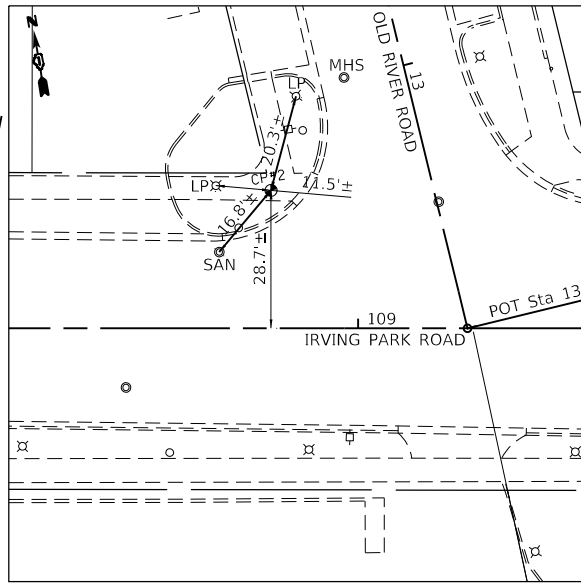
CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP2-FX	637.00	108+81.82	28.73 LT	1926252.65	1112818.58
CP3-CX	635.48	105+42.73	30.03 LT	1926311.23	1112484.59
CP4-CX	636.40	10+51.64	26.52 LT	1926523.29	1112859.41
TBM 204	638.96	109+71.77	38.20 LT	1926246.79	1112908.84
TBM-NWX 3195	637.72	9+70.37	23.25 RT	1926600.92	1112804.13
TBM 3113	638.35	12+44.56	23.23 RT	1926327.39	1112823.16

IRVING PARK ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POB/POT	100+00.00	1926373.33	1111944.59
PI	109+22.77	1926217.42	1112854.09
PC	116+46.02	1926095.22	1113566.94
PI	118.59.12	1926059.21	1113776.98
PT/POT	120+70.77	1925982.44	1113975.76

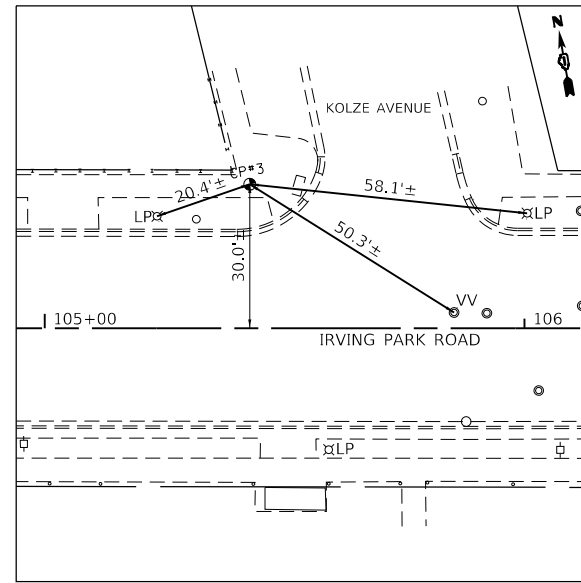
OLD RIVER ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POB/POT	9+00.00	1926672.73	1112822.44
PI/POT	13+56.41	1926217.42	1112854.09



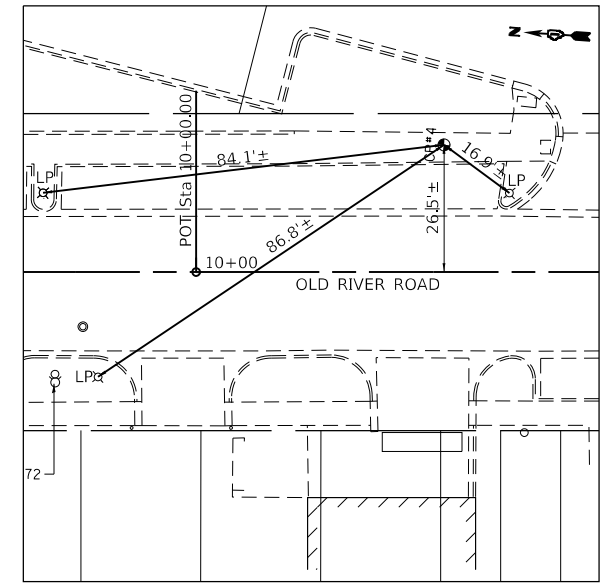
PROP. CURVE C1  
 PI STA. = 118+59.12  
 $\Delta = 11^\circ 23' 20''$  (RT)  
 $D = 2^\circ 40' 53''$   
 $R = 2,137.08'$   
 $T = 213.10'$   
 $L = 424.75'$   
 $E = 10.60'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 116+46.02  
 P.T. STA. = 120+70.77



CP2-FX  
 "X" IN SIDEWALK



CP3-CX  
 "X" IN SIDEWALK



CP4-CX  
 "X" IN SIDEWALK

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default  
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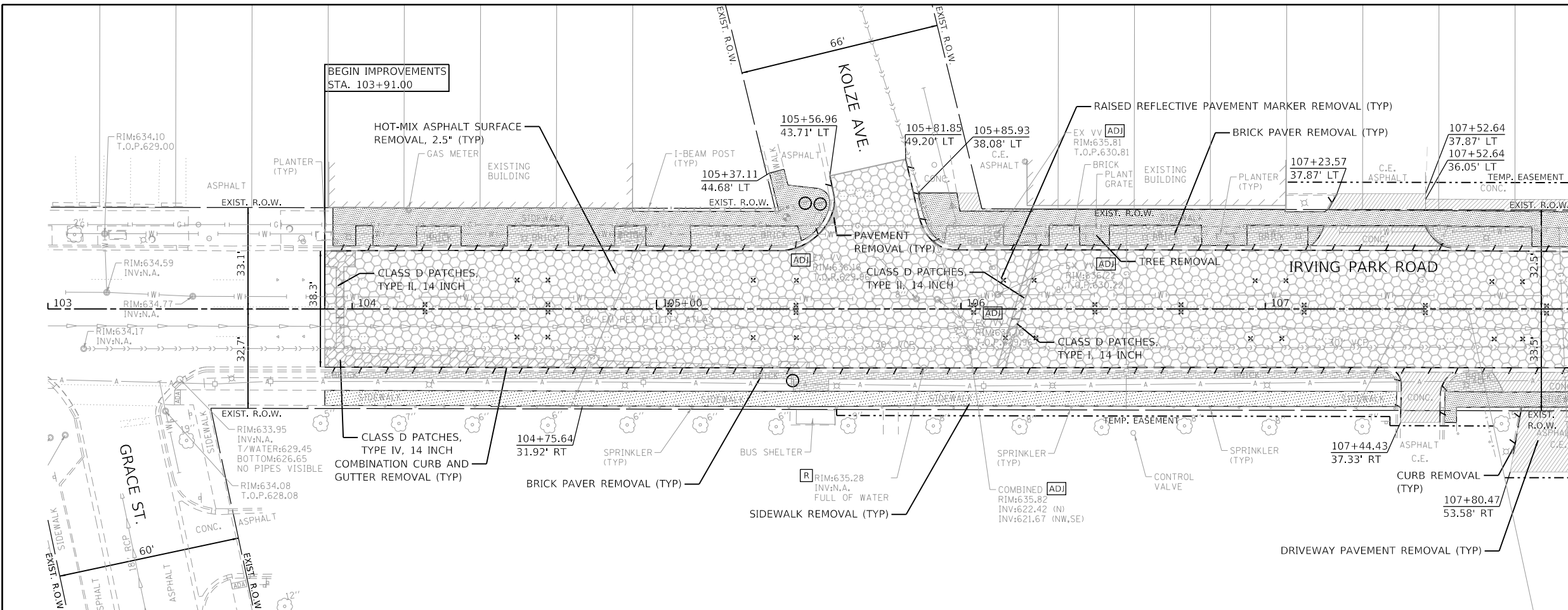
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4999-sht-atb.dgn		DRAWN - DGO	REVISED -
4999.1		CHECKED - KLB	REVISED -
Default		DATE - 7/26/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK  
 IRVING PARK ROAD - SCHILLER PARK, IL

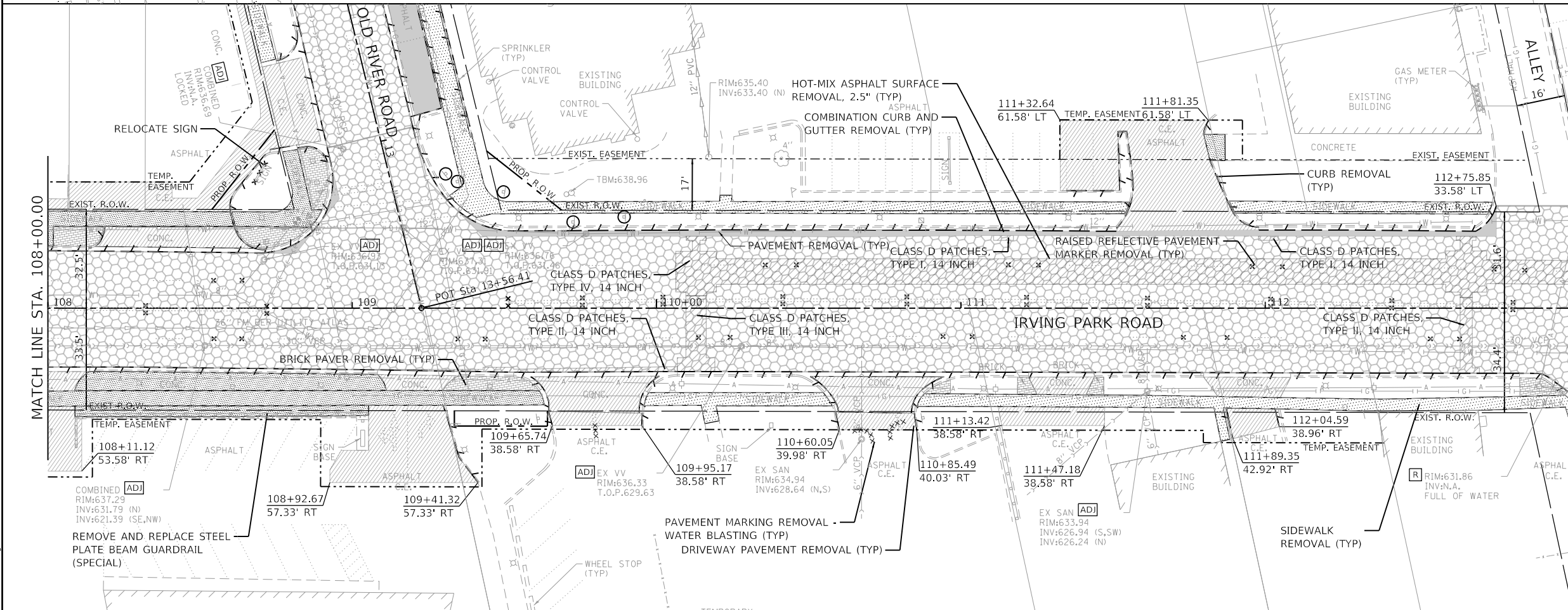
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	25
CONTRACT NO. 6190				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BRICK PAVER REMOVAL
- BIKE PATH REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- DRAINAGE STRUCTURE TO BE REMOVED
- TREE REMOVAL
- REMOVING AND RESETTING STREET SIGNS



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

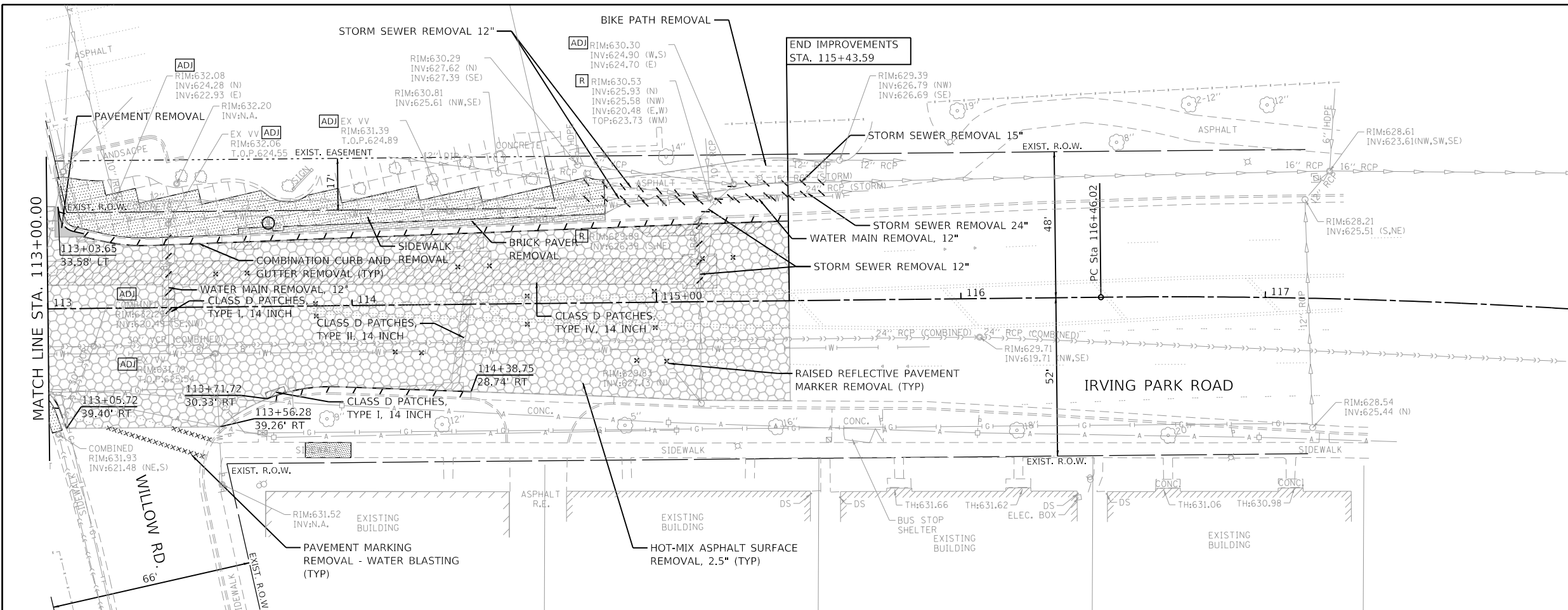
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 USER NAME = D0lesak  
 DESIGNED - KLB  
 DRAWN - DGO  
 CHECKED - KLB  
 DATE - 7/26/2024

REVISIONS:  
 1. REVISED -  
 2. REVISED -  
 3. REVISED -  
 4. REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
 SCALE: 1"=20'  
 SHEET 1 OF 3 SHEETS  
 STA. 103+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	26
CONTRACT NO. 6190			ILLINOIS FED. AID PROJECT	



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- CLASS D PATCHES
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BRICK PAVER REMOVAL
- BIKE PATH REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- UTILITY TO BE REMOVED
- PAVEMENT MARKING REMOVAL - WATER BLASTING
- RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- DRAINAGE STRUCTURE TO BE REMOVED
- TREE REMOVAL
- REMOVING AND RESETTING STREET SIGNS

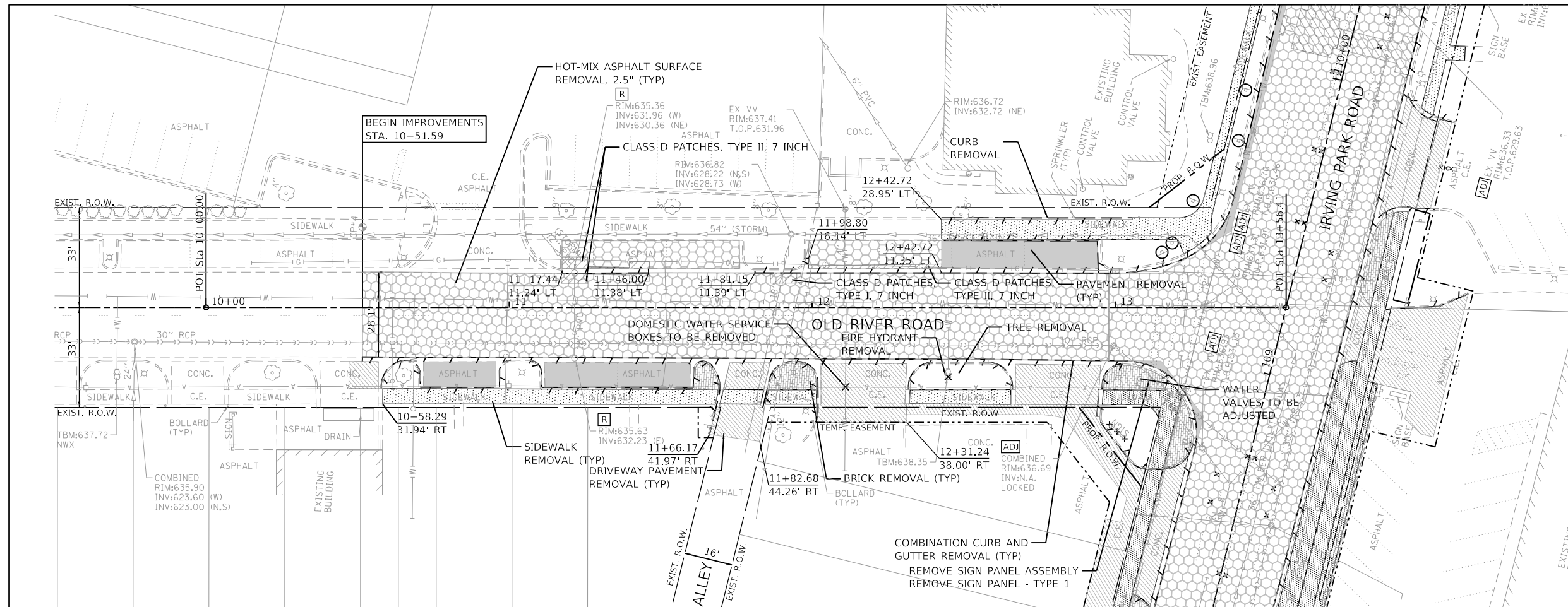
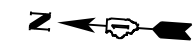
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
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4999.1	PLOT SCALE = 1:40	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLANS</b>			
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>			
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 113+00 TO STA. 117+00	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	27
CONTRACT NO.			61190	
ILLINOIS FED. AID PROJECT				



**LEGEND**

	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
	CLASS D PATCHES
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	BRICK PAVER REMOVAL
	BIKE PATH REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	UTILITY TO BE REMOVED
	PAVEMENT MARKING REMOVAL - WATER BLASTING
	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	DRAINAGE STRUCTURE TO BE REMOVED
	TREE REMOVAL
	REMOVING AND RESETTING STREET SIGNS

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
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FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999-sht-removal3.dgn		DRAWN - DGO	REVISED -
4999.1		CHECKED - KLB	REVISED -
Default		DATE - 7/26/2024	REVISED -

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

<b>REMOVAL PLANS</b>			
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>			
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS	STA. 9+50	TO STA. 13+50

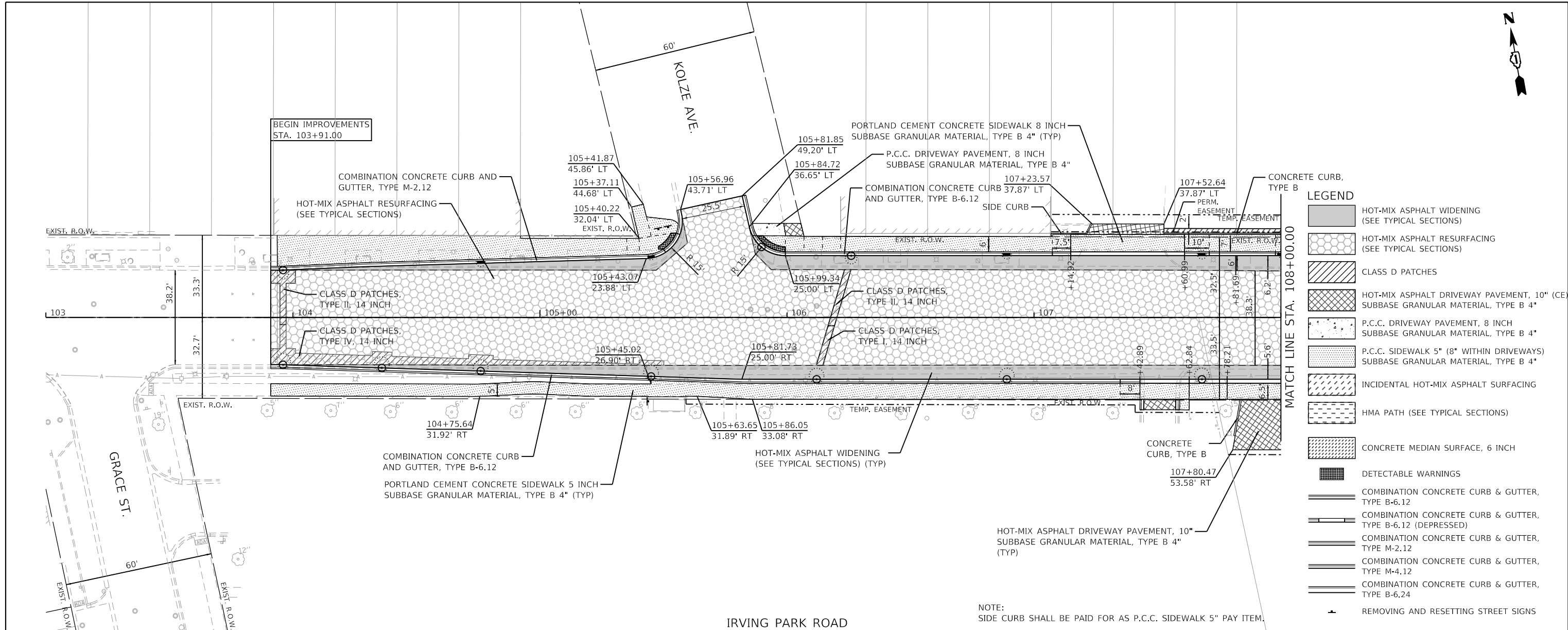
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	28
			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
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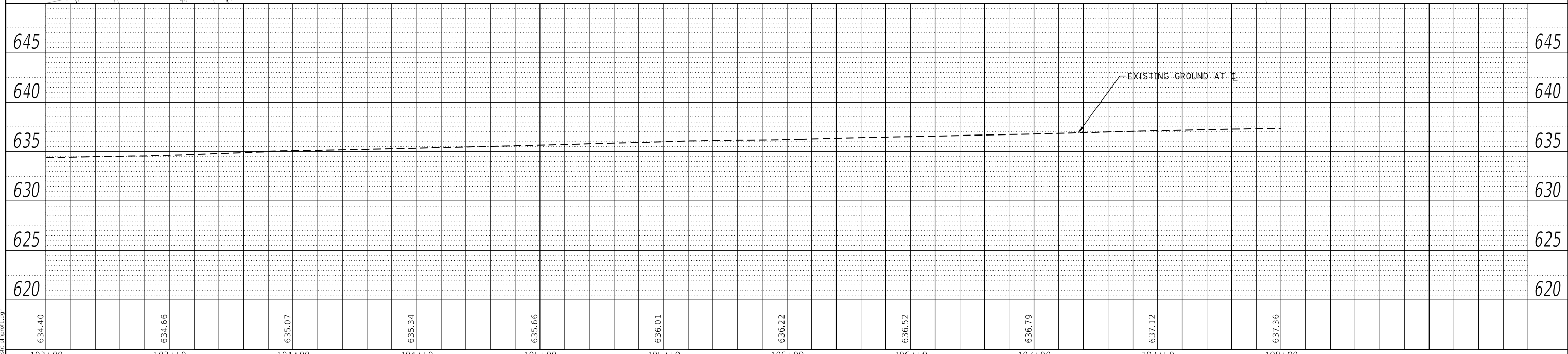
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4999-sht-plnprof1.dgn



LEGEND	
[Pattern]	HOT-MIX ASPHALT WIDENING (SEE TYPICAL SECTIONS)
[Pattern]	HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
[Pattern]	CLASS D PATCHES
[Pattern]	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4"
[Pattern]	P.C.C. DRIVEWAY PAVEMENT, 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
[Pattern]	P.C.C. SIDEWALK 5" (8" WITHIN DRIVEWAYS) SUBBASE GRANULAR MATERIAL, TYPE B 4"
[Pattern]	INCIDENTAL HOT-MIX ASPHALT SURFACING
[Pattern]	HMA PATH (SEE TYPICAL SECTIONS)
[Pattern]	CONCRETE MEDIAN SURFACE, 6 INCH
[Symbol]	DETECTABLE WARNINGS
[Symbol]	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
[Symbol]	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)
[Symbol]	COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
[Symbol]	COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12
[Symbol]	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
[Symbol]	REMOVING AND RESETTING STREET SIGNS

NOTE:  
 SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.



FILE NAME =	USER NAME = D00esak	DESIGNED - KLB	REVISED -
4999-sht-plnprof1.dgn		DRAWN - DGO	REVISED -
4999.1	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

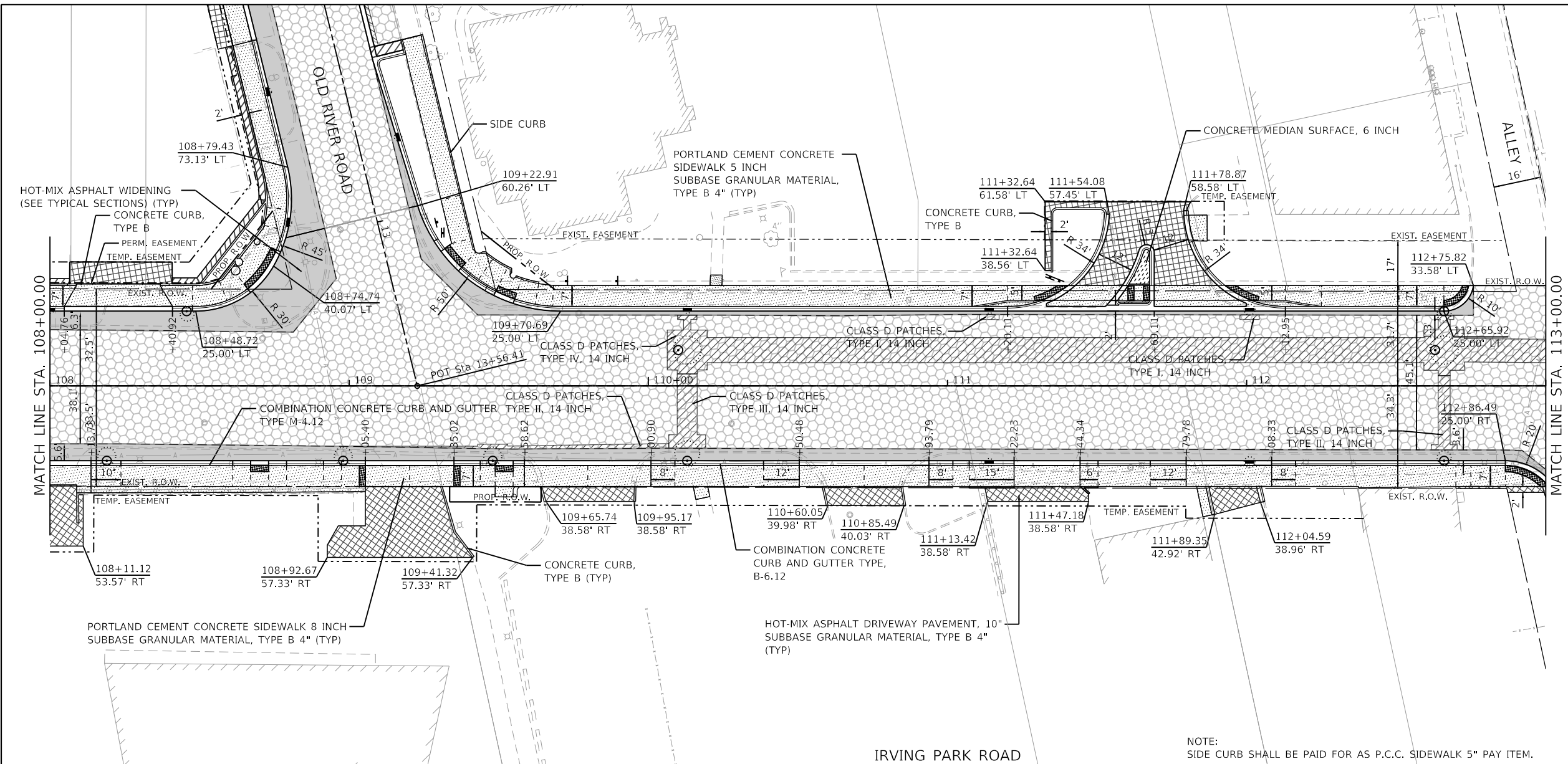
**PLAN AND PROFILE**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
 SCALE: H: 1"=20' SHEET 1 OF 4 SHEETS STA. 103+00 TO STA. 108+00  
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	29
CONTRACT NO.			61190	
ILLINOIS FED. AID PROJECT				



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

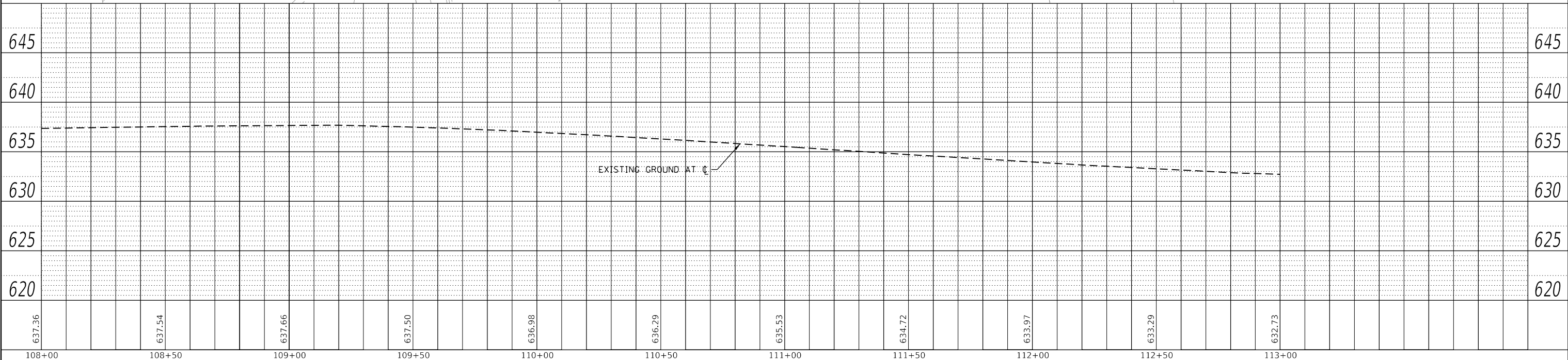
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES	
CHECKED	
STRUCTURE	
NOTATION	
NO. _____	
NOTE BOOK	
NO. _____	



**LEGEND**

- HOT-MIX ASPHALT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. DRIVEWAY PAVEMENT, 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. SIDEWALK 5" (8" WITHIN DRIVEWAYS) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- INCIDENTAL HOT-MIX ASPHALT SURFACING
- HMA PATH (SEE TYPICAL SECTIONS)
- CONCRETE MEDIAN SURFACE, 6 INCH
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- REMOVING AND RESETTING STREET SIGNS

NOTE:  
SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE NAME: 4999-sht-plnprof2.dgn

FILE NAME =	USER NAME = D01esak	DESIGNED - KLB	REVISED -
4999-sht-plnprof2.dgn		DRAWN - DGO	REVISED -
4999.1		CHECKED - KLB	REVISED -
Default		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: H: 1"=20'  
V: 1"=5'

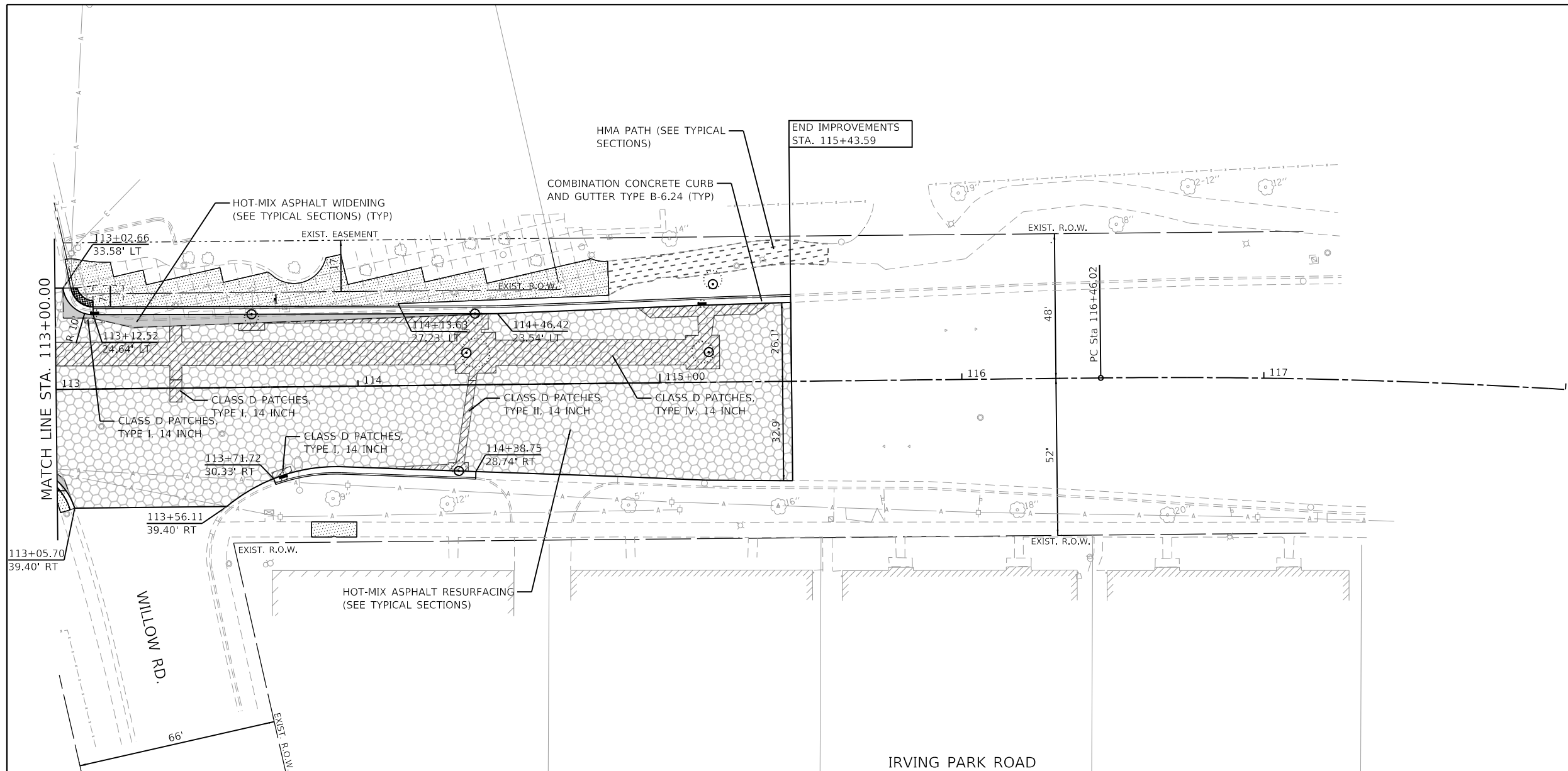
SHEET 2 OF 4 SHEETS  
STA. 108+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	30
CONTRACT NO.			61190	
ILLINOIS FED. AID PROJECT				



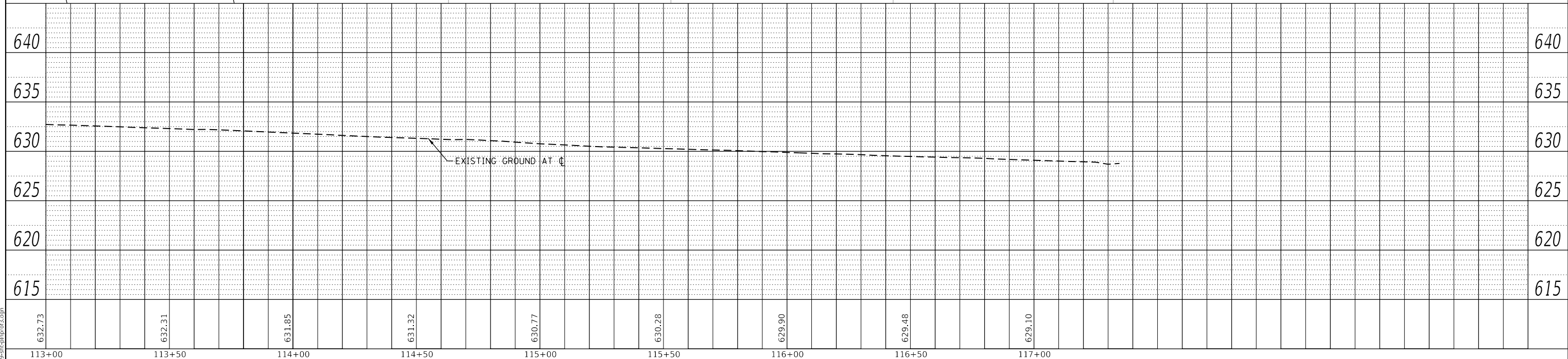
PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNED	CHECKED
	NO.	FILE NAME

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES	CHECKED
	NO.	STRUCTURE
		NOTATION



**LEGEND**

- HOT-MIX ASPHALT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. DRIVEWAY PAVEMENT, 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. SIDEWALK 5" (8" WITHIN DRIVEWAYS) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- INCIDENTAL HOT-MIX ASPHALT SURFACING
- HMA PATH (SEE TYPICAL SECTIONS)
- CONCRETE MEDIAN SURFACE, 6 INCH
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- REMOVING AND RESETTING STREET SIGNS



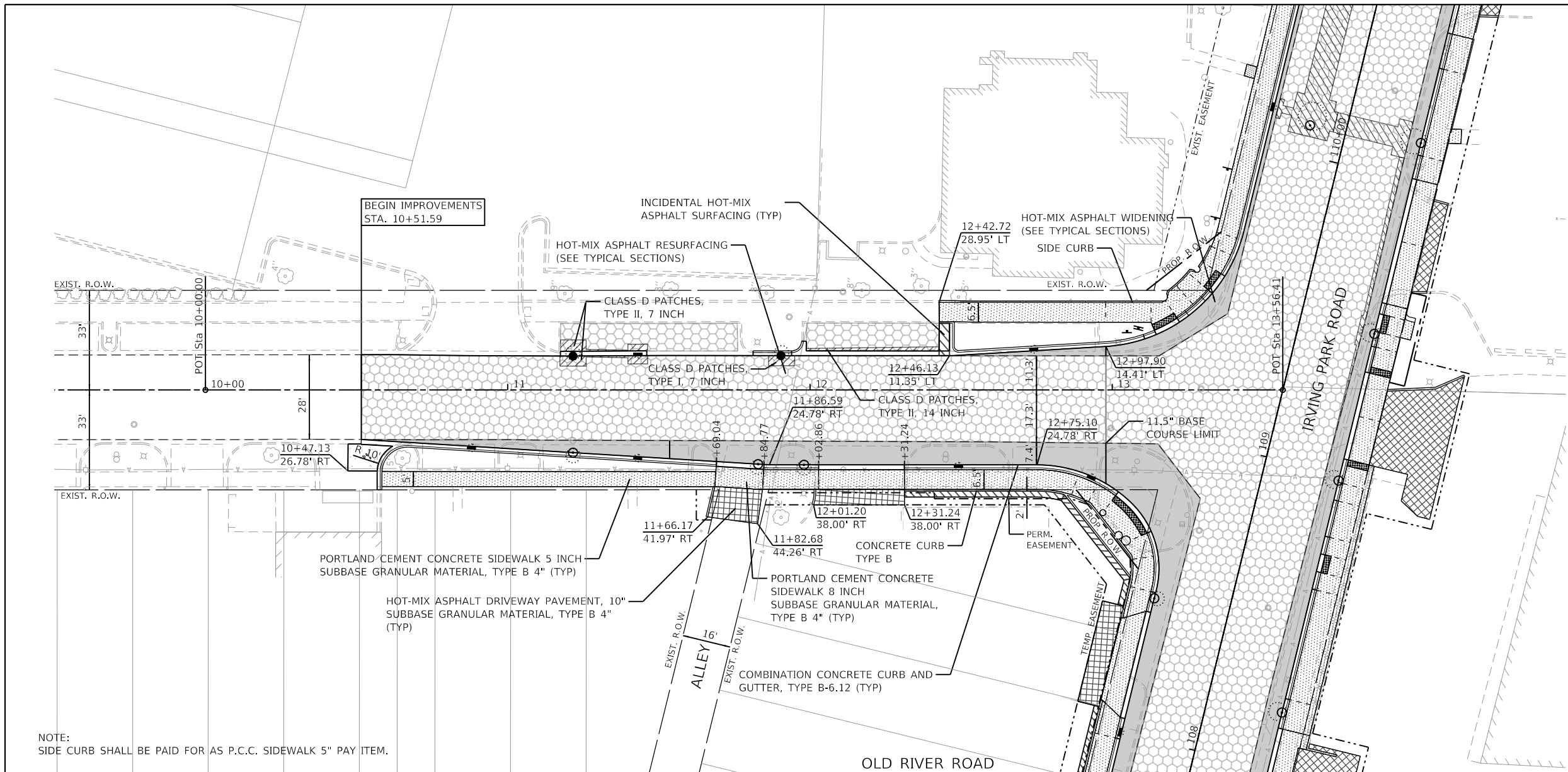
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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4999.1	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			SCALE: H: 1"=20' V: 1"=5'		SHEET 3 OF 4 SHEETS		STA. 113+00 TO STA. 117+00		CONTRACT NO. 6190
Default	PLOT DATE = 7/25/2024	DATE = 7/26/2024	REVISED -			ILLINOIS FED. AID PROJECT						



PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNMENT CHECKED	
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	NO.	

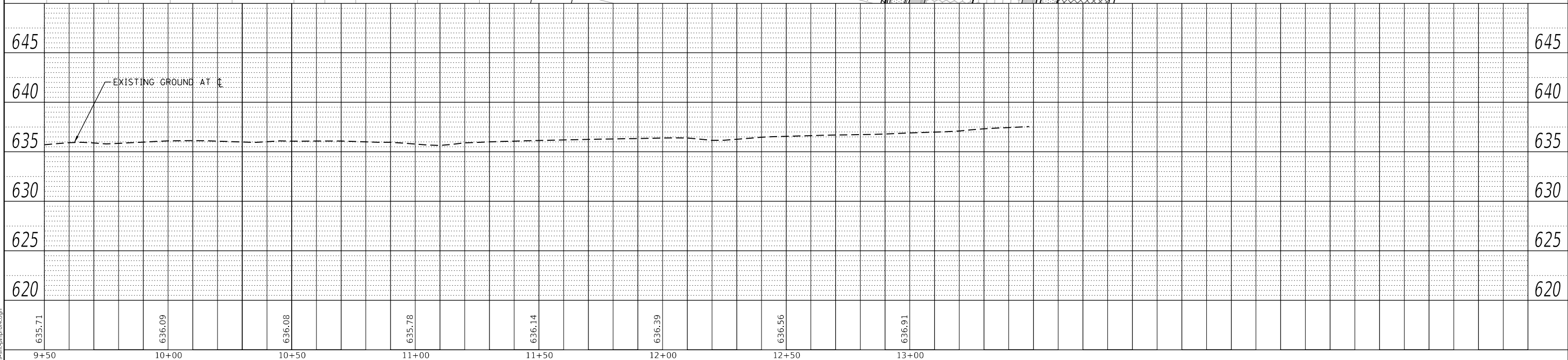
PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



**LEGEND**

- HOT-MIX ASPHALT WIDENING (SEE TYPICAL SECTIONS)
- HOT-MIX ASPHALT RESURFACING (SEE TYPICAL SECTIONS)
- CLASS D PATCHES
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (CE) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. DRIVEWAY PAVEMENT, 8 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
- P.C.C. SIDEWALK 5" (8" WITHIN DRIVEWAYS) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- INCIDENTAL HOT-MIX ASPHALT SURFACING
- HMA PATH (SEE TYPICAL SECTIONS)
- CONCRETE MEDIAN SURFACE, 6 INCH
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- REMOVING AND RESETTING STREET SIGNS

NOTE:  
SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE NAME: 4999-sht-plnprof4.dgn

FILE NAME = 4999-sht-plnprof4.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:40	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>	
SCALE: H: 1"=20'	V: 1"=5'
SHEET 4 OF 4 SHEETS	STA. 9+50 TO STA. 13+50

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	



## MAINTENACE OF TRAFFIC GENERAL NOTES

1. NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND AS SHOWN ON THE PLANS.
2. THE PERMANENT TRAFFIC CONTROL SHOWN ON THE PLANS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE LUMP SUM PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIAL PROVISIONS.
3. ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE WARNING SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS FLUORESCENT ORANGE REFLECTIVE SHEETING.
4. ALL CONSTRUCTION SIGNS, BARRICADES AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
6. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS, FLAGS ARE OPTIONAL.
7. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PREFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
8. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
9. BARRICADES WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
10. BARRICADES WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' ALONG TAPERS AND 10' AROUND RADII.
11. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
12. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE. ATLEAST TWO WEEKS IN ADVANCE TO ANY STAGE CHANGE THE CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE SIGNS.
13. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
14. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON TWO-LANE ROADS IN OTHER LOCATION THAN WHAT IS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND FLAGGERS AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON FOUR-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND BARRICADES AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. THE ENGINEER MAY WAIVE THE LANE CLOSURE TIME RESTRICTION AT HIS/HER DISCRETION.
15. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT FOR MORE THAN ONE HOUR. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
16. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
17. THE "ROAD CLOSED" (R11-2) SIGNS SHALL BE MOUNTED ON THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A- LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.
18. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGE AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

19. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE 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. WHERE TEMPORARY CONCRETE BARRIER IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.
20. UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

21. SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
22. DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)", "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)", AND "TEMPORARY ACCESS (ROAD)". PEDESTRIAN ACCESS ACROSS ROADWAYS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (ROAD)." AT THE DIRECTION OF THE ENGINEER, DRIVEWAYS MAY BE CLOSED FOR A MAXIMUM OF 7 DAYS TO FACILITATE DRIVEWAY, SIDEWALK, AND CURB AND GUTTER CONSTRUCTION. THE CONTRACTOR SHALL WORK COOPERATIVELY WITH THE RESIDENTS AND ENGINEER TO ACCOMMODATE ACCESS THROUGHOUT THE PROJECT.
23. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

24. PACE BUS STOP ACCESS AND SIGNAGE SHALL BE MAINTAINED DURING THE DURATION OF THE PROJECT THROUGH THE USE OF "TEMPORARY SIDEWALK RAMPS". LOCATIONS OF THESE RAMPS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

25. EQUIPMENT, MATERIAL, AND TRUCKS SHALL NOT BE STAGED IN OPEN TRAVEL LANES IN A WAY THAT RESTRICTS TRAFFIC FLOW.

26. ALL CONSTRUCTION AND TRUCK TRAFFIC AS WELL AS PERSONAL VEHICLES OF THE CONSTRUCTION CREW SHALL ADHERE TO THE POSTED DIRECTION OF TRAVEL. DETOUR ROUTE. LOCAL PARKING RESTRICTIONS, AND ALL APPLICABLE REGULATORY LAWS. EACH INFRACTION NOTED BY THE ENGINEER SHALL BE SUBJECT TO A TRAFFIC CONTROL DEFICIENCY DEDUCTION IN ACCORDANCE WITH ARTICLE 105.03 OF THE STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME = D0hesak	DESIGNED - KLB	REVISED -
4999-sht-mot.gn 1.dgn		DRAWN - DGO	REVISED -
4999.1	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	33
CONTRACT NO.			61190	
ILLINOIS		FED. AID PROJECT		

**SEQUENCE OF CONSTRUCTION PRE-STAGE**

1. INSTALL TEMPORARY INFORMATION SIGNS SEVEN (7) DAYS IN ADVANCE OF CONSTRUCTION COMMENCEMENT.
2. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARD 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
3. INSTALL EROSION CONTROL MEASURES AND TREE PROTECTION. PERFORM TREE ROOT PRUNING.
4. CONSTRUCT WATER MAIN. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701606. A QUANTITY FOR CLASS D PATCHES HAS BEEN INCLUDED FOR PATCHING THE EXISTING PAVEMENT.

**SEQUENCE OF CONSTRUCTION STAGE 1**

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501 AND 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AS SHOWN IN THE MOT PLAN STAGE 1. IMPLEMENT TEMPORARY TRAFFIC SIGNAL TIMINGS AT IRVING PARK ROAD AT RIVER ROAD.
3. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES ALONG THE WEST SIDE OF OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501 AND 701606.
4. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS ON THE WEST SIDE OF OLD RIVER ROAD.
5. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
6. INSTALL AGGREGATE SUBGRADE.
7. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS ON THE WEST SIDE OF OLD RIVER ROAD.

**SEQUENCE OF CONSTRUCTION STAGE 2**

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501 AND 701611. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AS SHOWN IN THE MOT PLAN STAGE 2. IMPLEMENT TEMPORARY TRAFFIC SIGNAL TIMINGS AT IRVING PARK ROAD AT RIVER ROAD.
3. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES ALONG THE NORTH SIDE OF IRVING PARK ROAD EAST OF THE INTERSECTION OF OLD RIVER ROAD AND ALONG THE EAST SIDE OF OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501 AND 701611. A QUANTITY FOR CLASS D PATCHES HAS BEEN INCLUDED FOR PATCHING THE EXISTING PAVEMENT.
4. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS ON THE NORTH SIDE OF IRVING PARK ROAD EAST OF THE INTERSECTION OF OLD RIVER ROAD AND ALONG THE EAST SIDE OF OLD RIVER ROAD.
5. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
6. INSTALL AGGREGATE SUBGRADE.
7. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS ON THE NORTH SIDE OF IRVING PARK ROAD EAST OF THE INTERSECTION OF OLD RIVER ROAD AND ALONG THE EAST SIDE OF OLD RIVER ROAD.

**SEQUENCE OF CONSTRUCTION STAGE 3**

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARD 701611. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AS SHOWN IN THE MOT PLAN STAGE 3. IMPLEMENT TEMPORARY TRAFFIC SIGNAL TIMINGS ALONG IRVING PARK ROAD AT THE INTERSECTIONS OF RIVER ROAD AND WESLEY TERRACE.
3. CONSTRUCT STORM SEWERS, LATERAL EXTENSIONS TO CONNECT INTO PREVIOUSLY CONSTRUCTED STORM SEWER, AND DRAINAGE STRUCTURES ALONG THE SOUTH SIDE OF IRVING PARK ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701606. A QUANTITY FOR CLASS D PATCHES HAS BEEN INCLUDED FOR PATCHING THE EXISTING PAVEMENT.
4. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS ON THE SOUTH SIDE OF IRVING PARK ROAD.
5. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
6. INSTALL AGGREGATE SUBGRADE.
7. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS ON THE SOUTH SIDE OF IRVING PARK ROAD.

**SEQUENCE OF CONSTRUCTION STAGE 4**

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARD 701611. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AS SHOWN IN THE MOT PLAN STAGE 4.
3. CONSTRUCT STORM SEWERS, LATERAL EXTENSIONS TO CONNECT INTO PREVIOUSLY CONSTRUCTED STORM SEWER, AND DRAINAGE STRUCTURES ALONG THE NORTH SIDE OF IRVING PARK ROAD WEST OF THE INTERSECTION OF OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701606. A QUANTITY FOR CLASS D PATCHES HAS BEEN INCLUDED FOR PATCHING THE EXISTING PAVEMENT.
4. REMOVE THE COMBINATION CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALKS ON THE NORTH SIDE OF IRVING PARK ROAD WEST OF THE INTERSECTION OF OLD RIVER ROAD.
5. PROOF ROLL THE EXISTING SUBGRADE AND PERFORM UNDER CUT OPERATIONS AT LOCATIONS DIRECTED BY THE ENGINEER.
6. INSTALL AGGREGATE SUBGRADE.
7. CONSTRUCT NEW COMBINATION CURB AND GUTTER, ROADWAY PAVEMENT THROUGH HOT-MIX ASPHALT BASE COURSE, AND TEMPORARY PEDESTRIAN ACCESS SIDEWALK ON THE NORTH SIDE OF IRVING PARK ROAD WEST OF THE INTERSECTION OF OLD RIVER ROAD.

**SEQUENCE OF CONSTRUCTION STAGE 5**

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS PER IDOT HIGHWAY STANDARDS 701501 AND 701606. FURNISH AND INSTALL ADDITIONAL TRAFFIC CONTROL AND PROTECTION MEASURES.
2. REMOVE CONFLICTING PAVEMENT MARKINGS.
3. COMPLETE TRAFFIC SIGNALS, LIGHTING, SIDEWALK, DRIVEWAYS, AND LANDSCAPE RESTORATION.
4. PREFORM MILLING OPERATIONS ALONG IRVING PARK ROAD AND OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701602, 701606, 701611, AND 701701.
5. PLACE SHORT TERM PAVEMENT MARKINGS.
6. PLACE BINDER COURSE ALONG IRVING PARK ROAD AND OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701602, 701606, 701611, AND 701701.
7. PLACE SURFACE COURSE ALONG IRVING PARK ROAD AND OLD RIVER ROAD. TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701501, 701602, 701606, 701611, AND 701701.
8. INSTALL PERMANENT STRIPING AND SIGNAGE.
9. TURN ON TRAFFIC SIGNAL AT IRVING PARK ROAD AT OLD RIVER ROAD.
10. REMOVE CONSTRUCTION SIGNS
11. END TEMPORARY TRAFFIC SIGNAL TIMINGS.



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FILE NUMBER: 4999-sht-mot gn 2.dgn

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Default	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED SEQUENCE OF CONSTRUCTION  
IRVING PARK ROAD – SCHILLER PARK, IL**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	34
CONTRACT NO.			61190	
ILLINOIS		FED. AID PROJECT		

**LEGEND**



WORK ZONE



DRUMS OR BARRICADES, TYPE II



TEMPORARY CONCRETE BARRIER  
(TYPE C DOUBLE SIDED CRYSTAL REFLECTORS PER HIGHWAY  
STANDARDS 704001-8 & 782006-01)



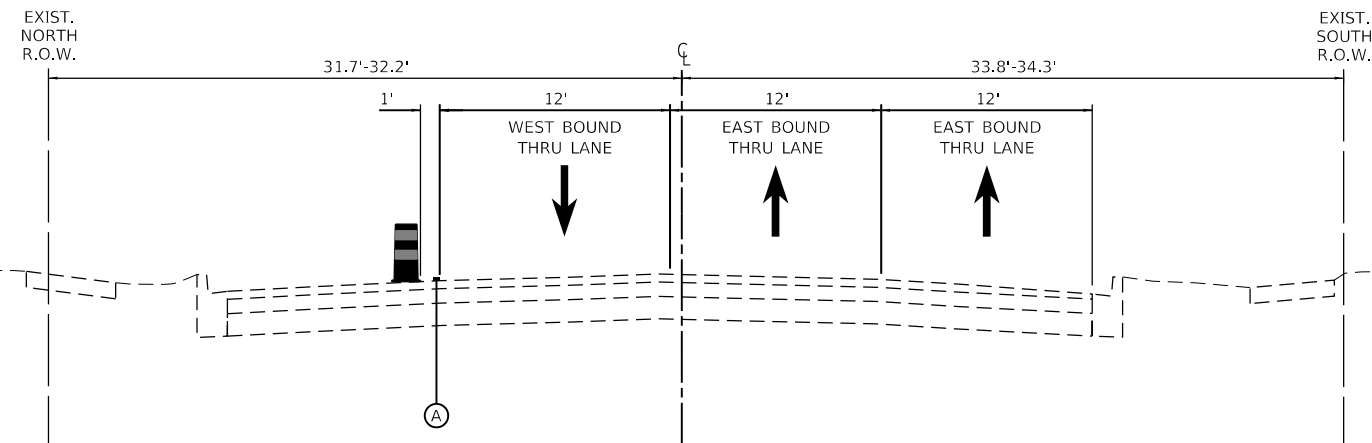
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TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)

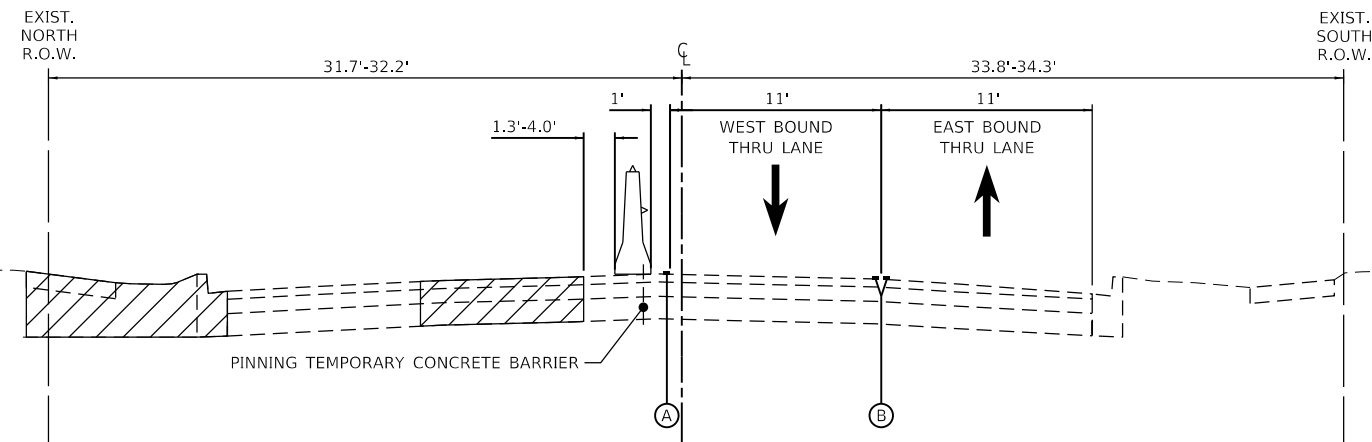


TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11" C-C)



**IRVING PARK ROAD  
STAGE 1 TYPICAL SECTION**

STA. 103+91.00 TO STA. 115+43.59



**IRVING PARK ROAD  
STAGE 2 TYPICAL SECTION**

STA. 103+91.00 TO STA. 115+43.59

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PLOT DATE = 7/25/2024	DATE - 7/26/2024

DESIGNED - KLB	REVISED -
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DATE - 7/26/2024	REVISED -

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	35
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	

**LEGEND**



WORK ZONE



DRUMS OR BARRICADES, TYPE II



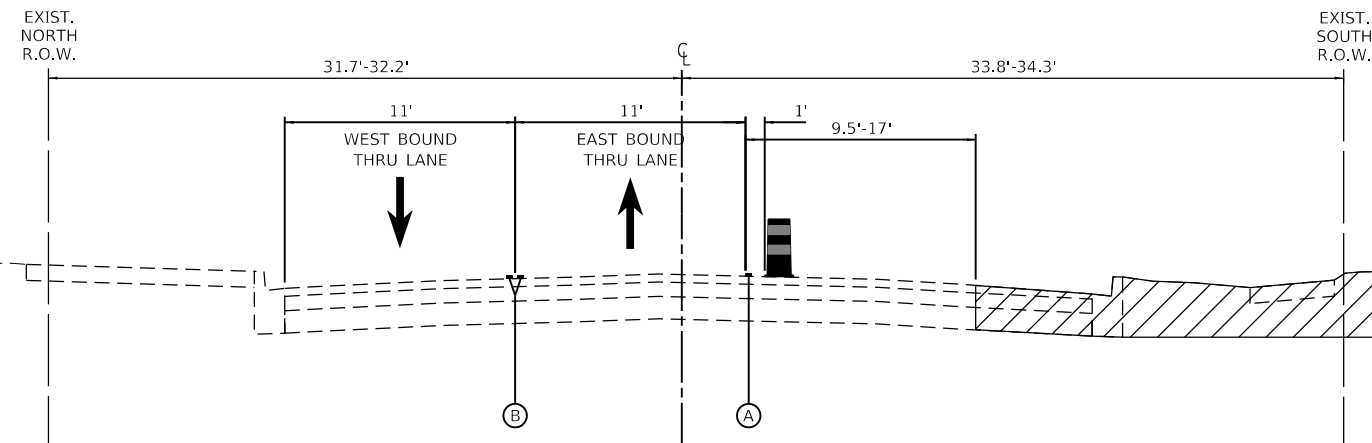
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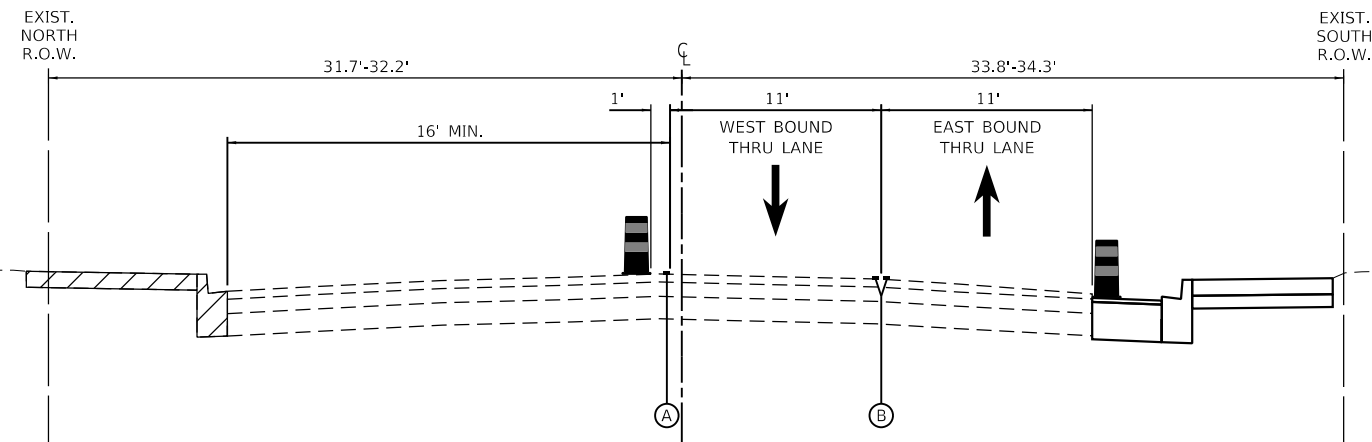


TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11" C-C)



**IRVING PARK ROAD  
STAGE 3 TYPICAL SECTION**

STA. 103+91.00 TO STA. 115+43.59



**IRVING PARK ROAD  
STAGE 4 TYPICAL SECTION**

STA. 103+91.00 TO STA. 115+43.59

FILE NAME =	USER NAME = DOhesak
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CHECKED - KLB	REVISED -
DATE - 7/26/2024	REVISED -

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	36
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	

**LEGEND**



WORK ZONE



DRUMS OR BARRICADES, TYPE II



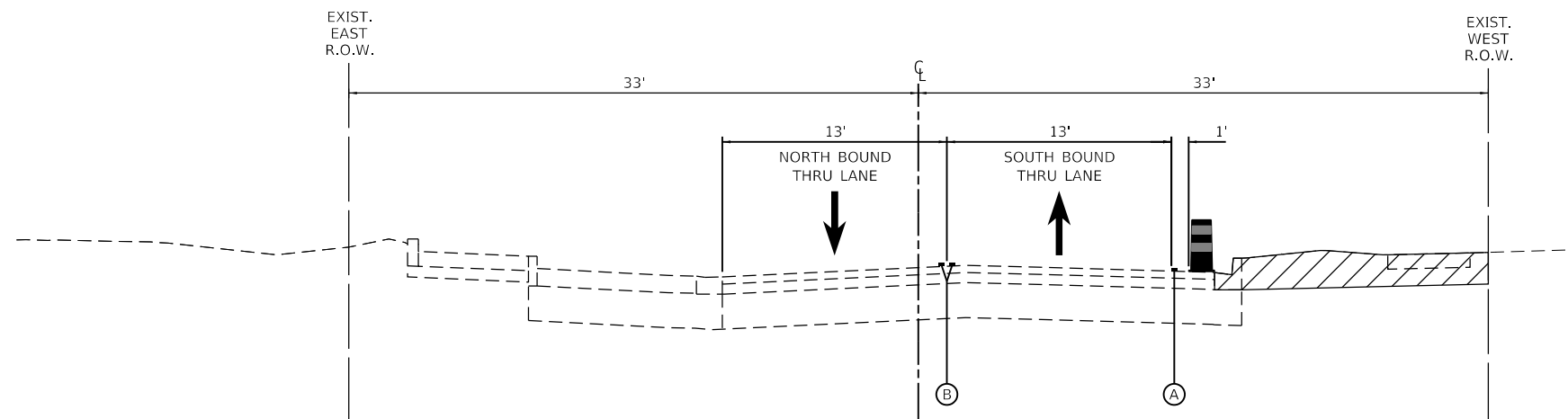
DIRECTIONAL ARROW



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

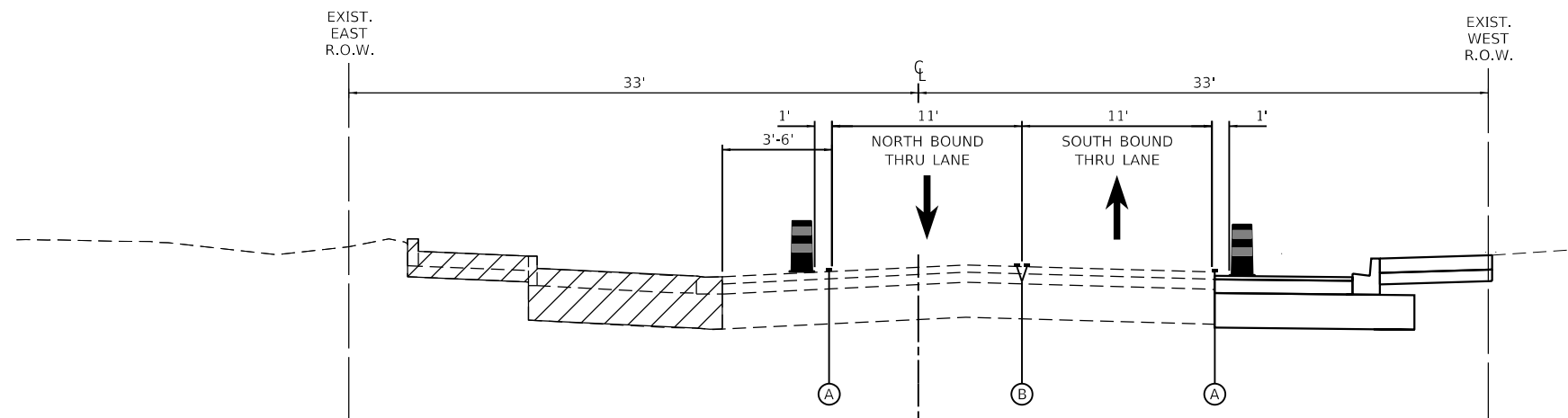


TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (DOUBLE YELLOW @ 11" C-C)



**OLD RIVER ROAD  
STAGE 1 TYPICAL SECTION**

STA. 10+51.56 TO STA. 12+98





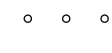




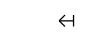
**OLD RIVER ROAD  
STAGE 2 TYPICAL SECTION**

STA. 10+51.56 TO STA. 12+98

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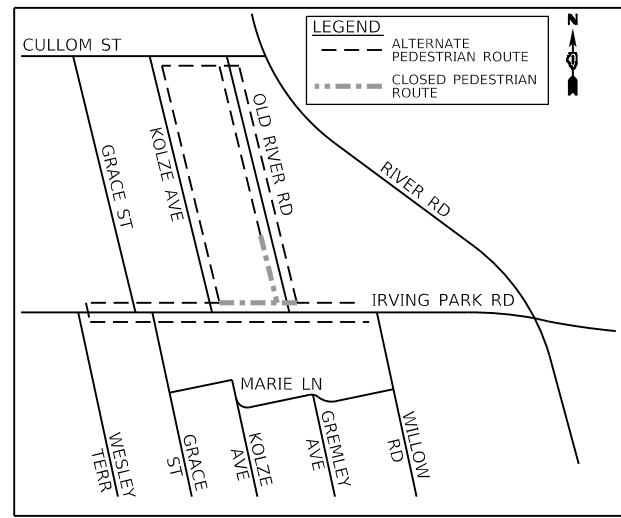
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	37
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	

**MAINTENANCE OF TRAFFIC LEGEND**

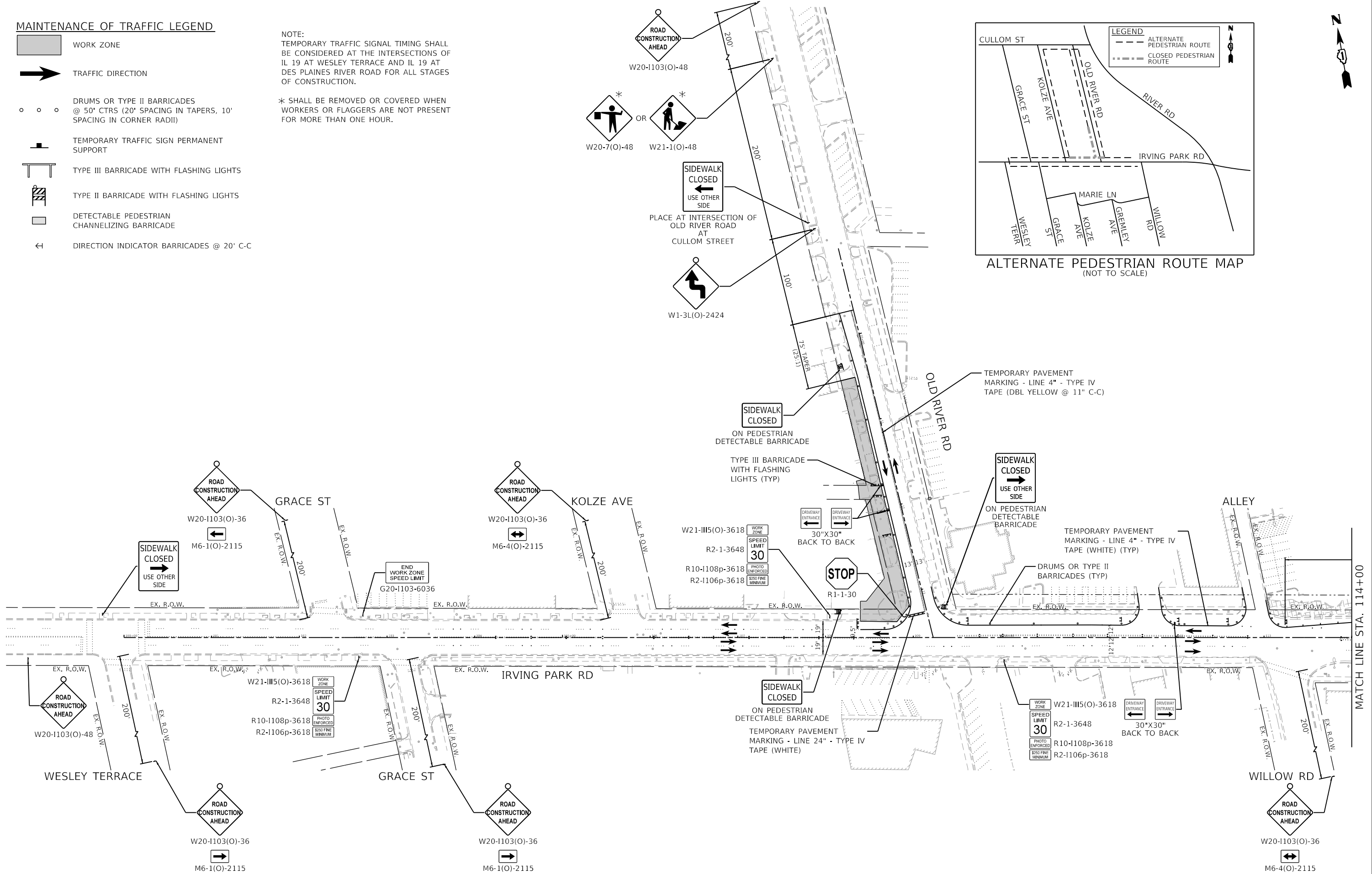
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



MATCH LINE STA. 114+00

**GHA GEWALT HAMILTON ASSOCIATES, INC.**



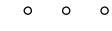




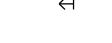
FILE NAME = 4999-sht-mot stage 1-1.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 1**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

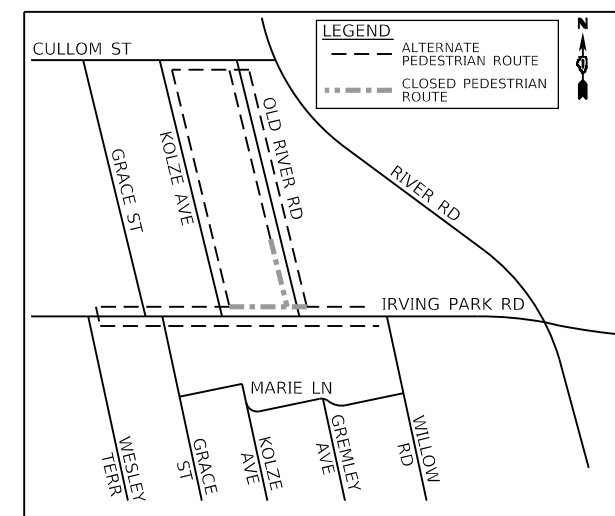
F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 38
CONTRACT NO. 6190				
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OF TRAFFIC LEGEND**

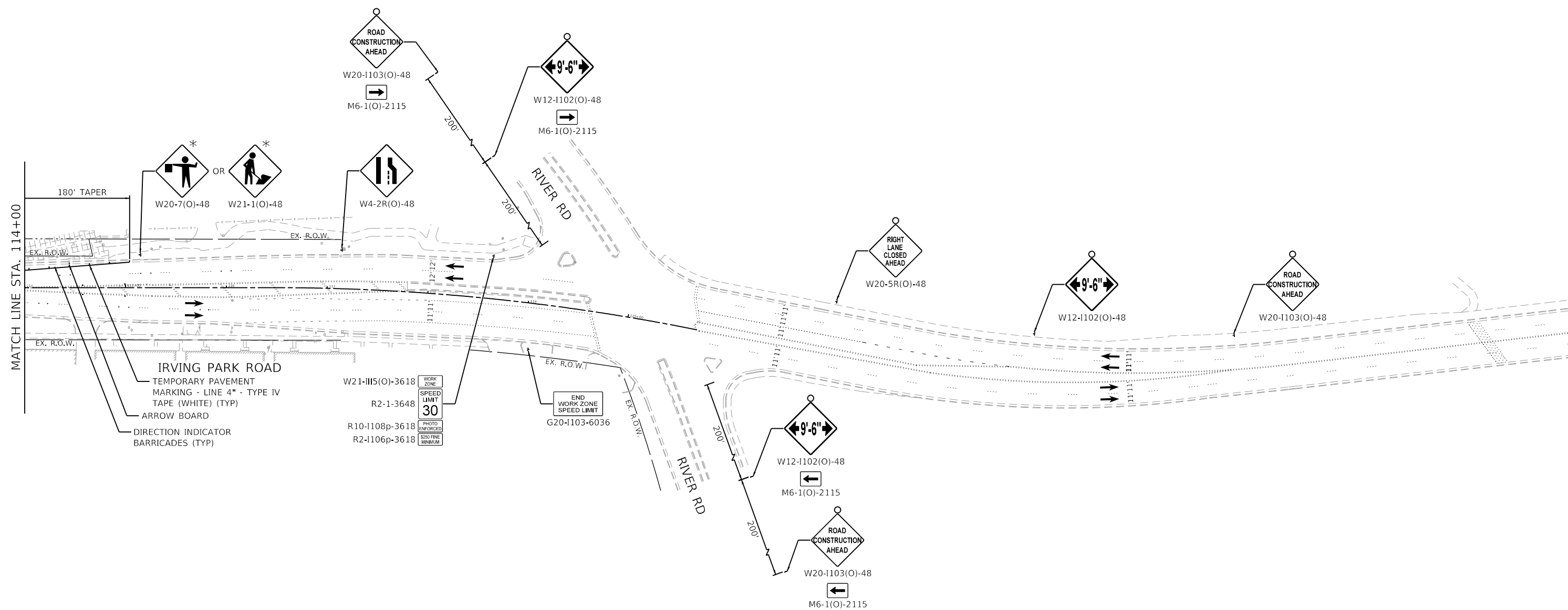
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.










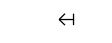
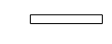


ALTERNATE PEDESTRIAN ROUTE MAP  
(NOT TO SCALE)



FILE NAME = 4999-sht-mot_stage_1-2.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

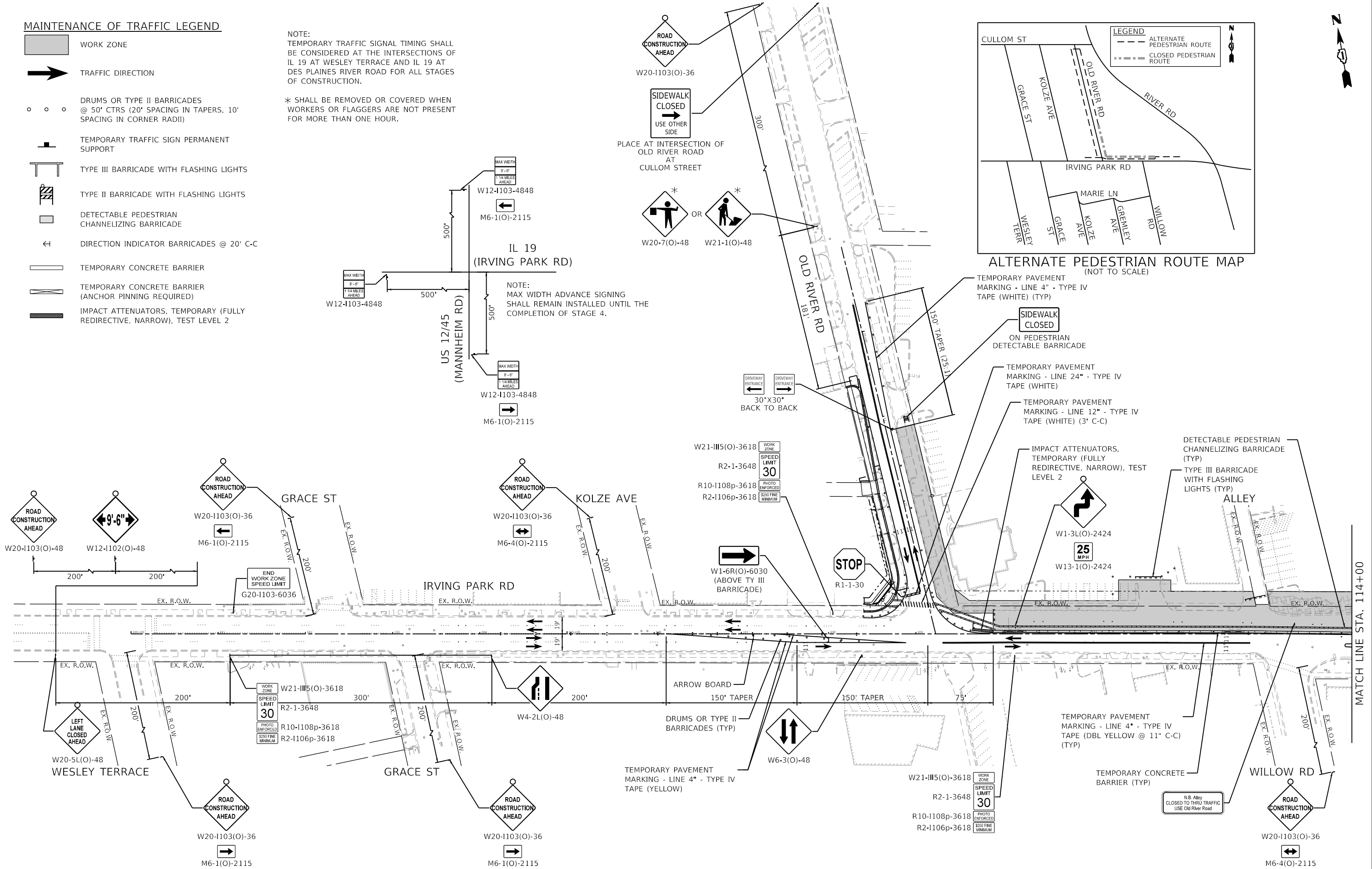
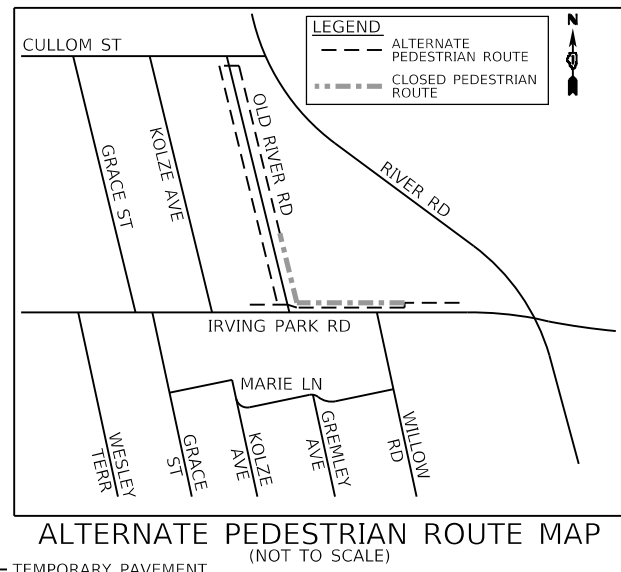
**MAINTENANCE OF TRAFFIC LEGEND**

-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY CONCRETE BARRIER (ANCHOR PINNING REQUIRED)
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

NOTE:  
MAX WIDTH ADVANCE SIGNING SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF STAGE 4.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE: 4999-shl-mot-stage-2-1.dgn

FILE NAME = 4999-shl-mot-stage-2-1.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

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







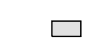
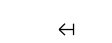
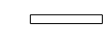


<b>MAINTENANCE OF TRAFFIC - STAGE 2</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	40
CONTRACT NO. 6190			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 114+00

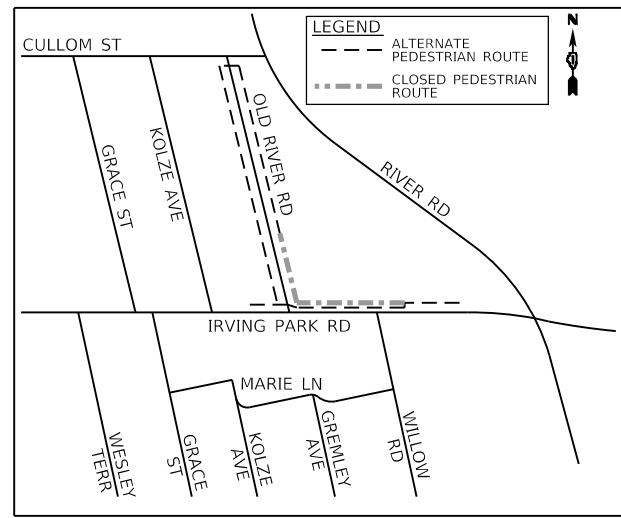


**MAINTENANCE OF TRAFFIC LEGEND**

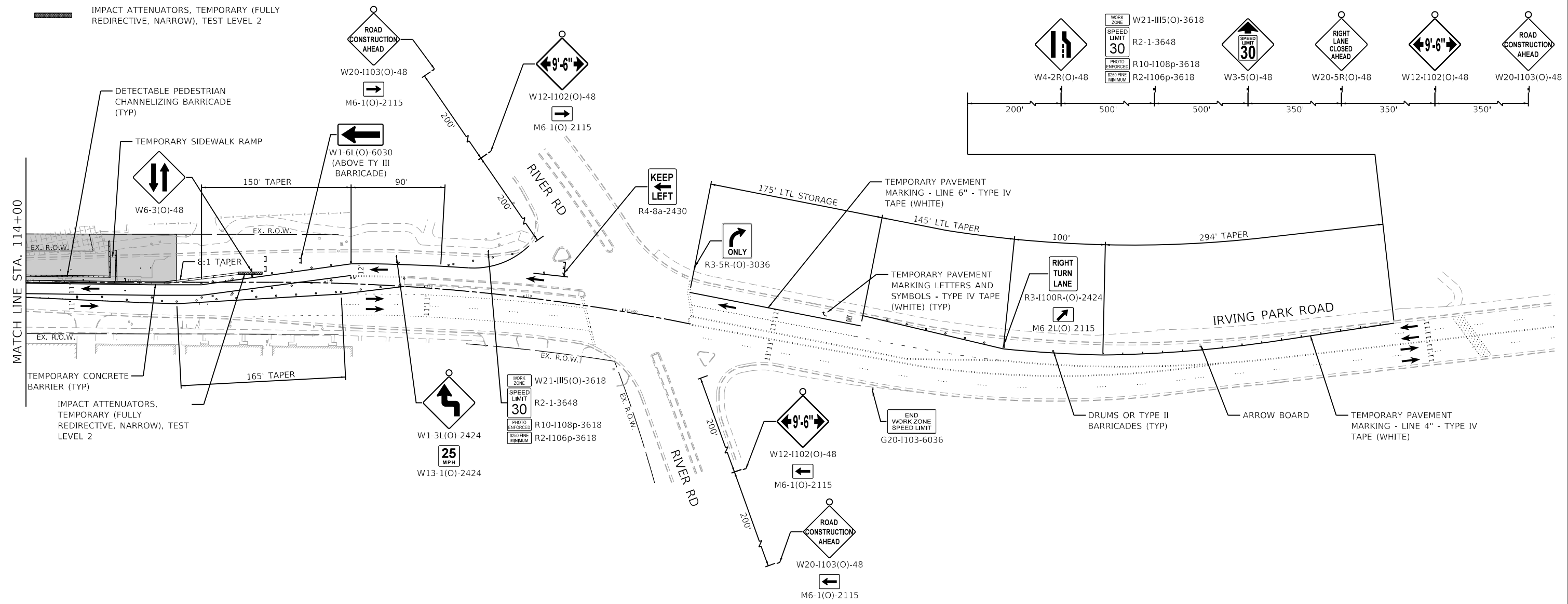
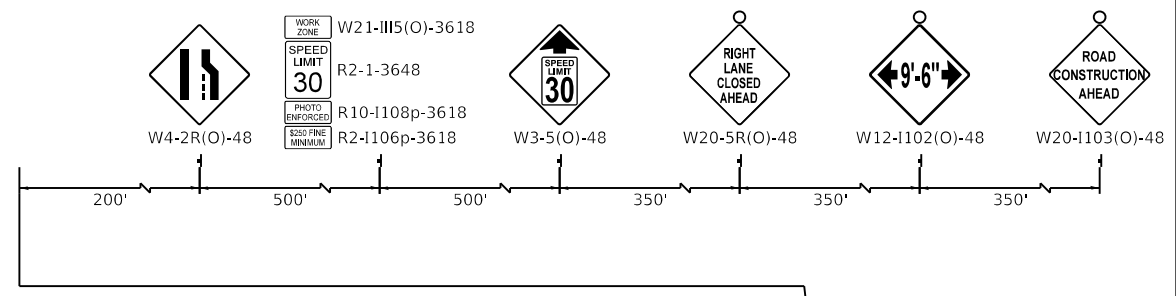
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY CONCRETE BARRIER (ANCHOR PINNING REQUIRED)
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE: 4999-sht-mot-stage-2.dgn






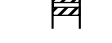


FILE NAME = 4999-sht-mot-stage-2.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC - STAGE 2</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS STA. TO STA.

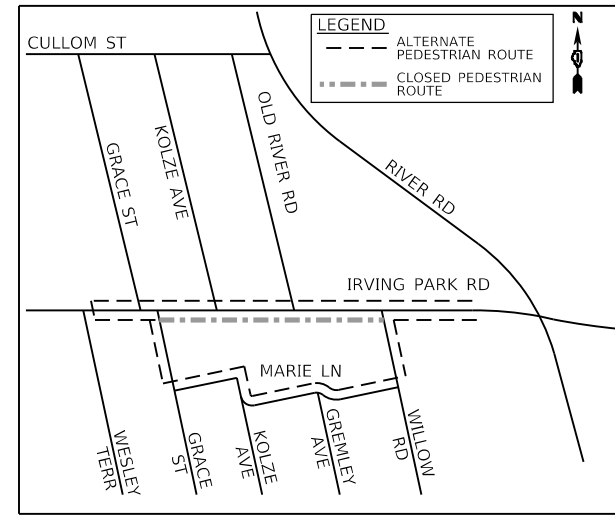
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	41
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	

**MAINTENANCE OF TRAFFIC LEGEND**

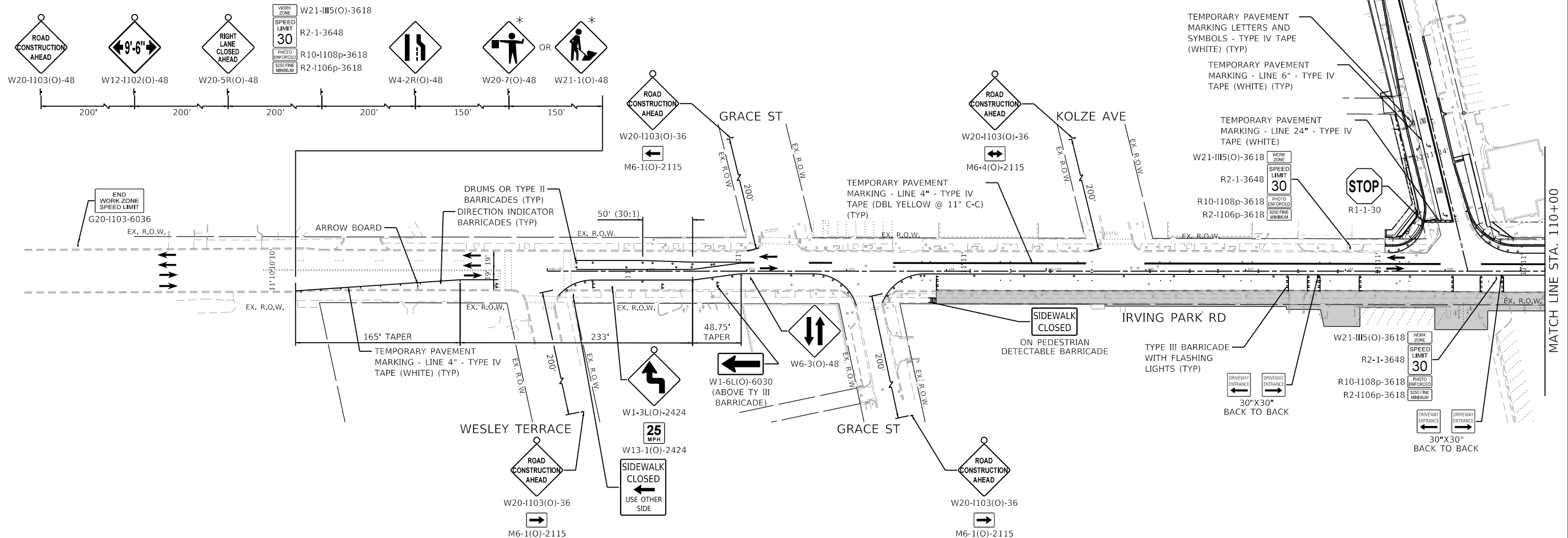
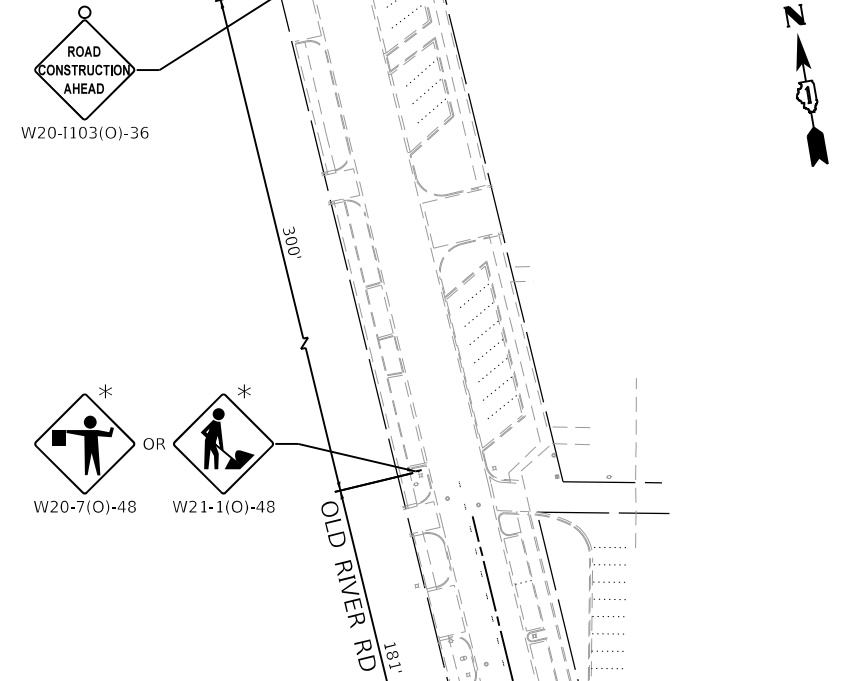
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



FILE NAME =	USER NAME = DOhesak
4999-sh1-mot stage 3-1.dgn	
4999.1	
Default	

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
CHECKED - KLB	REVISD -
DATE - 7/26/2024	REVISD -

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
CHECKED - KLB	REVISD -
DATE - 7/26/2024	REVISD -

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
CHECKED - KLB	REVISD -
DATE - 7/26/2024	REVISD -






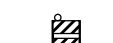

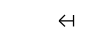
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 3  
IRVING PARK ROAD - SCHILLER PARK, IL**

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

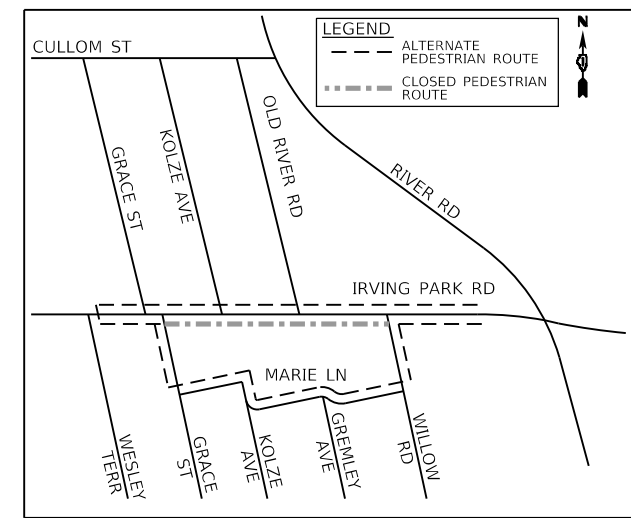
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	42
				CONTRACT NO. 6190
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OF TRAFFIC LEGEND**

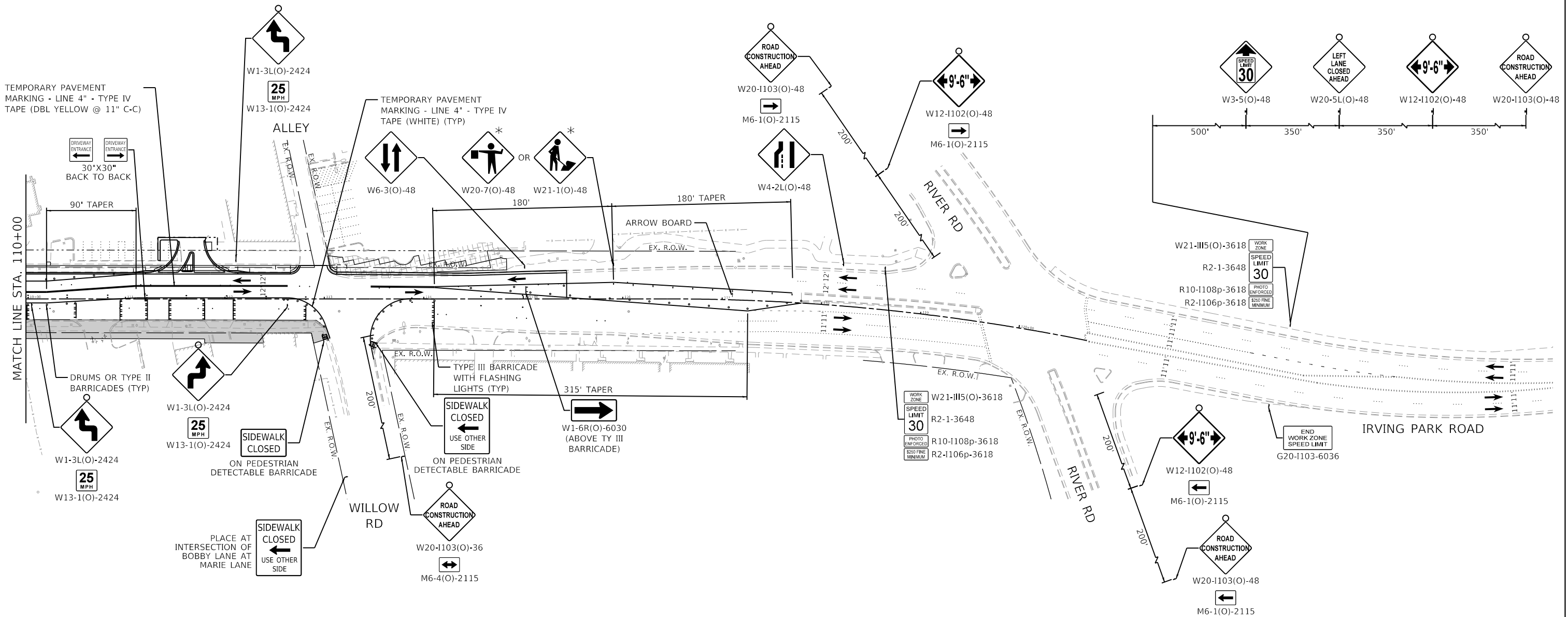
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE: 4999-shl-mot-stage\_3-2.dgn

FILE NAME = 4999-shl-mot-stage_3-2.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -



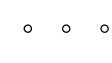


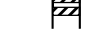


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 3  
IRVING PARK ROAD - SCHILLER PARK, IL**

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

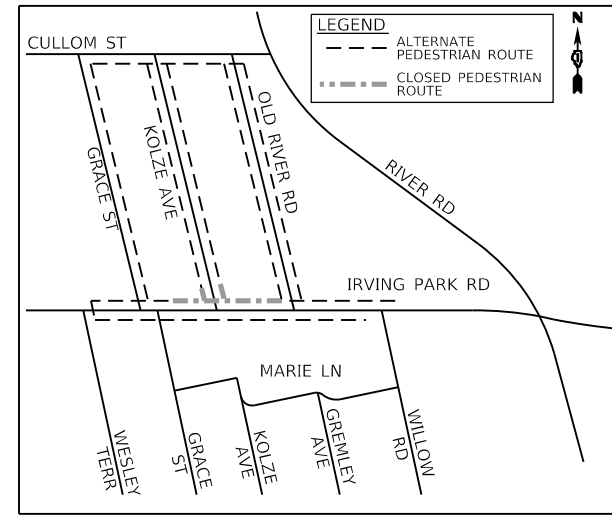
F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 43
CONTRACT NO. 6190			ILLINOIS FED. AID PROJECT	

**MAINTENANCE OF TRAFFIC LEGEND**

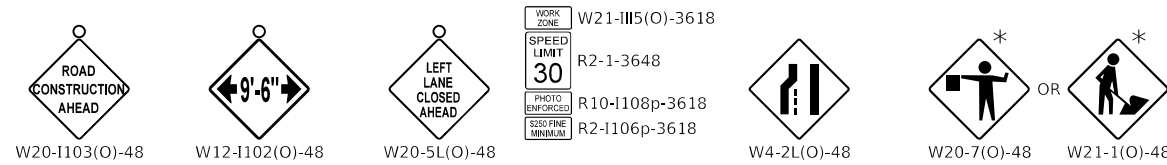
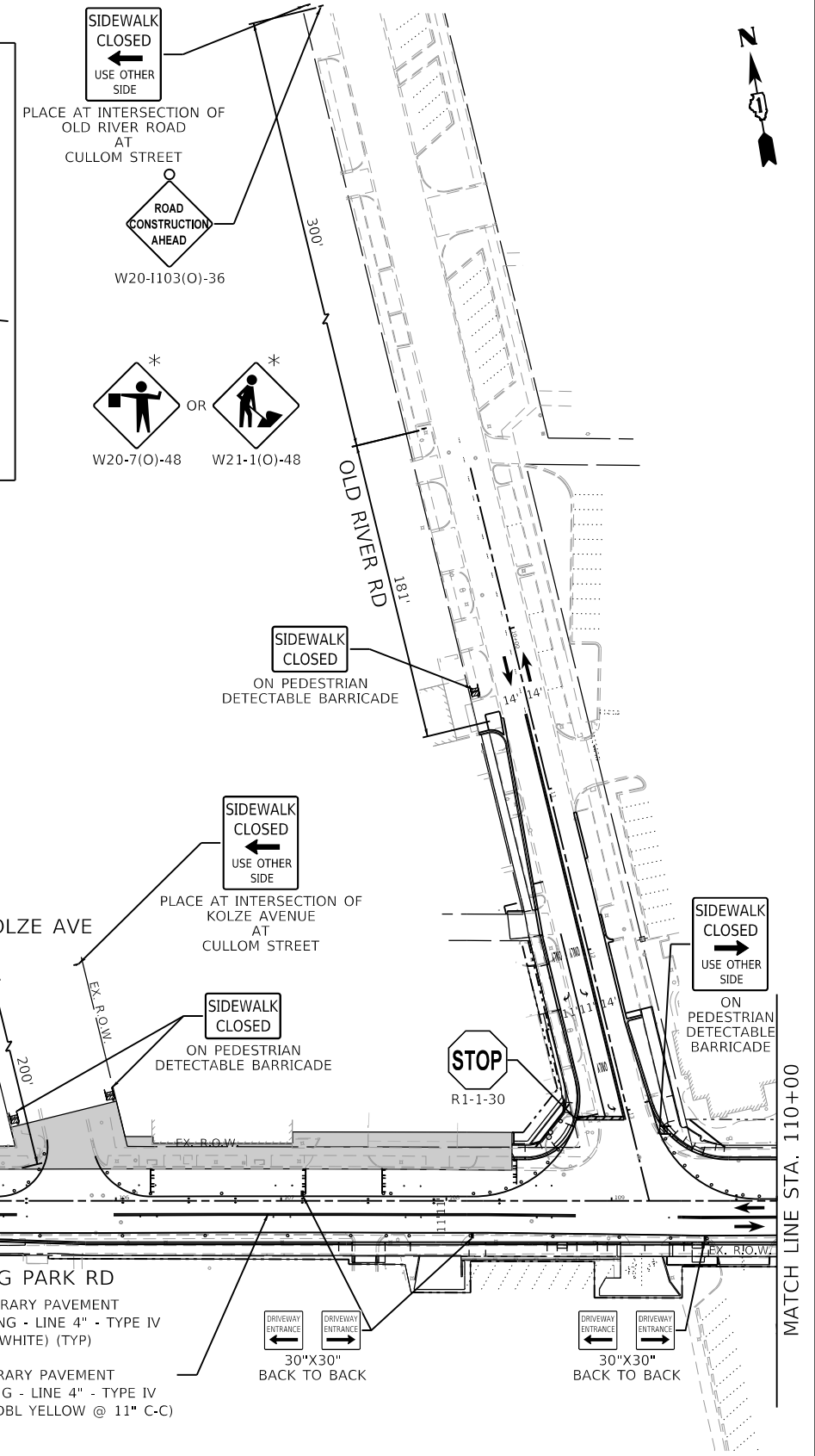
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



FILE NAME =	4999-shl-mot-stage-4-1.dgn
USER NAME =	DOhesak
DESIGNED -	KLB
DRAWN -	DGO
CHECKED -	KLB
DATE -	7/26/2024
PLOT SCALE =	1:100
PLOT DATE =	7/25/2024

DESIGNED -	KLB	REVISED -	
DRAWN -	DGO	REVISED -	
CHECKED -	KLB	REVISED -	
DATE -	7/26/2024	REVISED -	








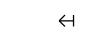
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 4  
IRVING PARK ROAD - SCHILLER PARK, IL**

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

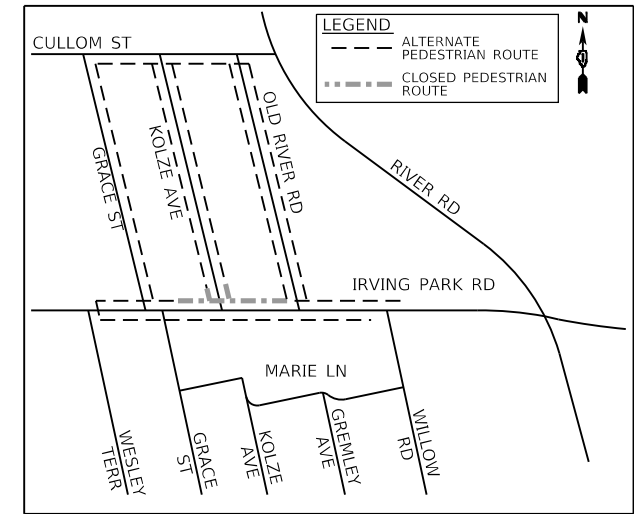
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	44
CONTRACT NO. 6190			ILLINOIS FED. AID PROJECT	

**MAINTENANCE OF TRAFFIC LEGEND**

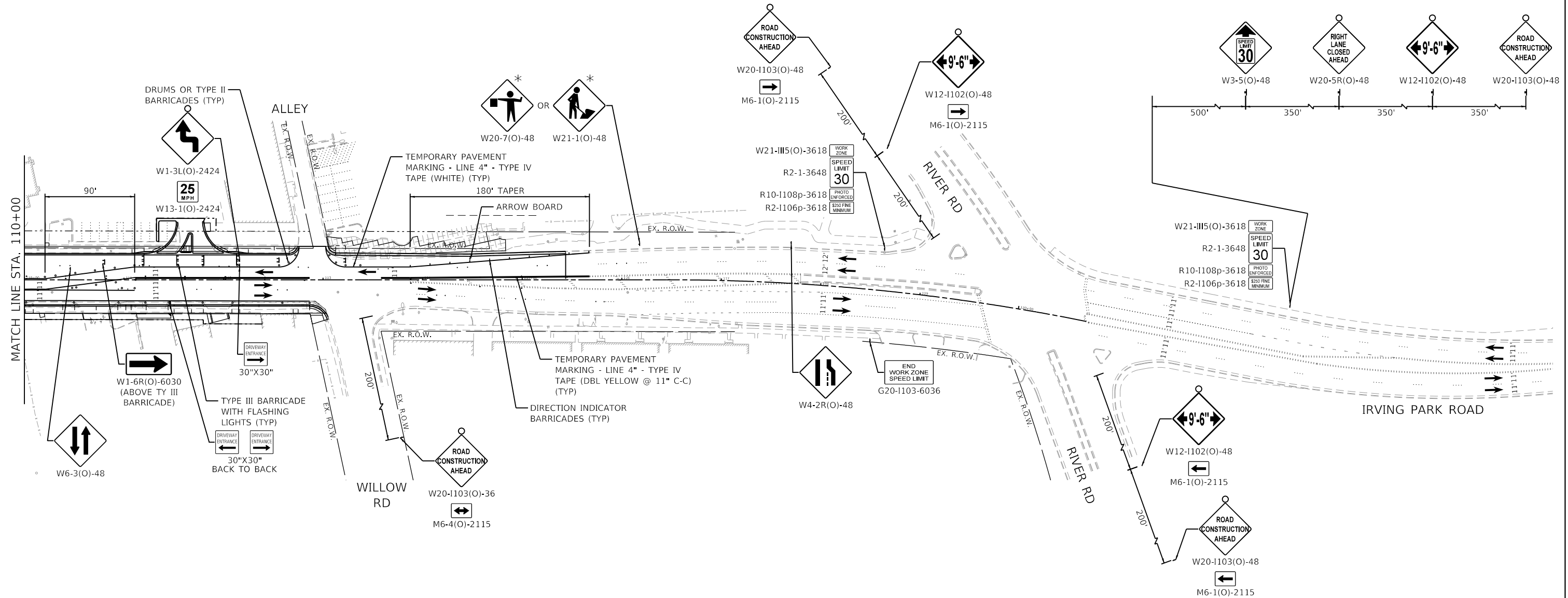
-  WORK ZONE
-  TRAFFIC DIRECTION
-  DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TEMPORARY TRAFFIC SIGN PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TYPE II BARRICADE WITH FLASHING LIGHTS
-  DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
-  DIRECTION INDICATOR BARRICADES @ 20' C-C

NOTE:  
TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED AT THE INTERSECTIONS OF IL 19 AT WESLEY TERRACE AND IL 19 AT DES PLAINES RIVER ROAD FOR ALL STAGES OF CONSTRUCTION.

\* SHALL BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



ALTERNATE PEDESTRIAN ROUTE MAP (NOT TO SCALE)



GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default  
FILE: 4999-shl-mot-stage-4-2.dgn

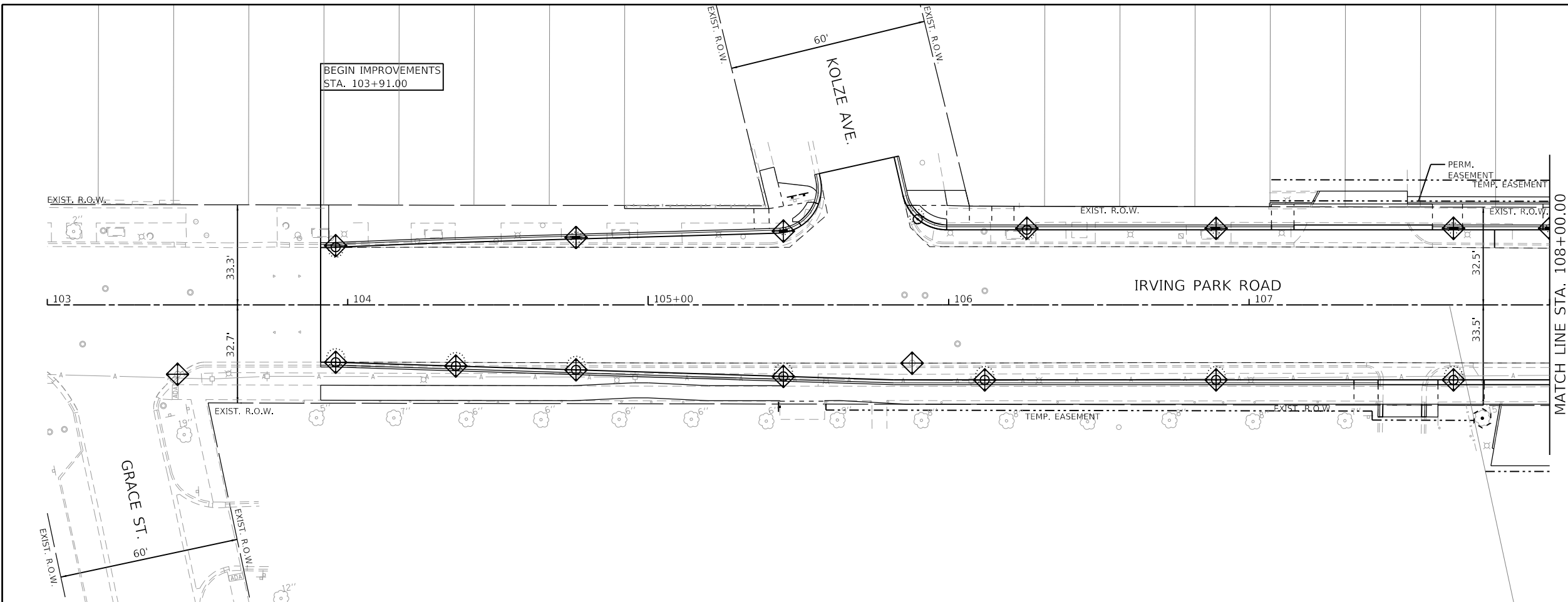
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4999.1	PLOT SCALE = 1:100	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

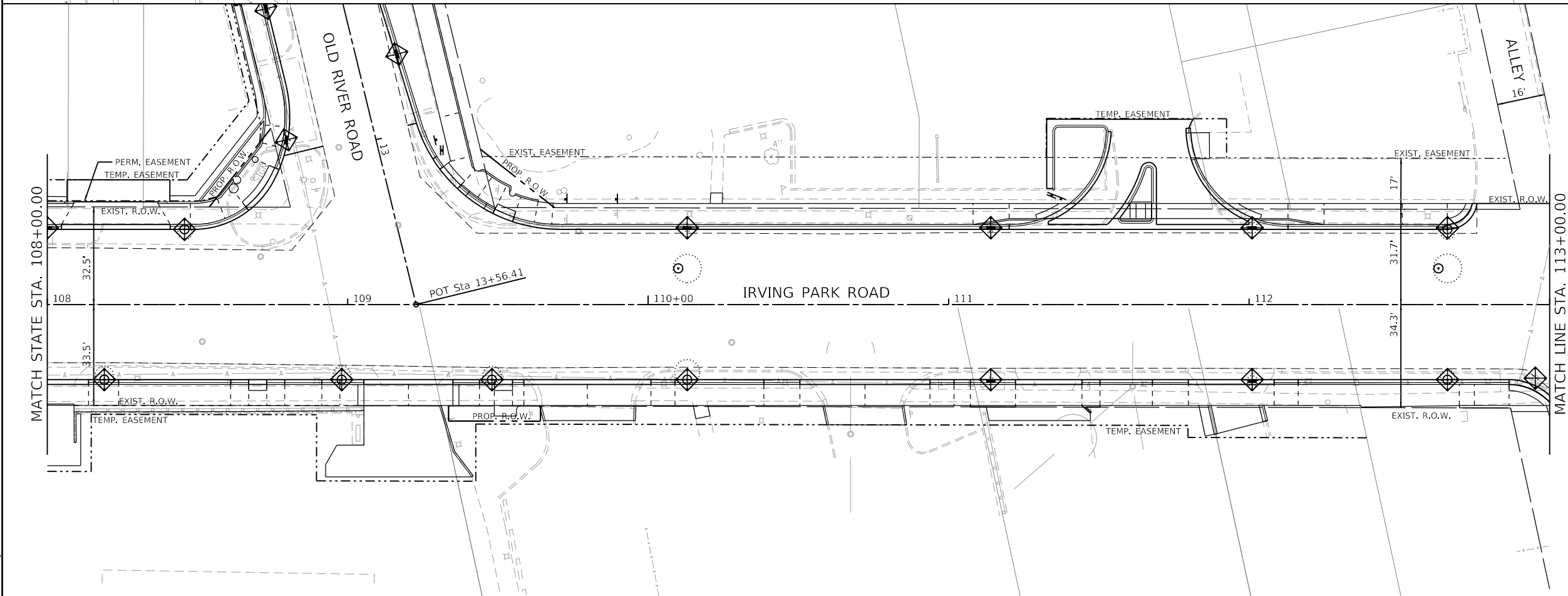
MAINTENANCE OF TRAFFIC - STAGE 4  
IRVING PARK ROAD - SCHILLER PARK, IL

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

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 45
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	



- LEGEND**
-  INLET FILTERS
  -  TREE TRUNK PROTECTION
  -  TREE ROOT PRUNING



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

FILE NAME = 4999-sht-eros1.dgn  
 USER NAME = D01esak  
 PLOT SCALE = 1:40  
 PLOT DATE = 7/25/2024

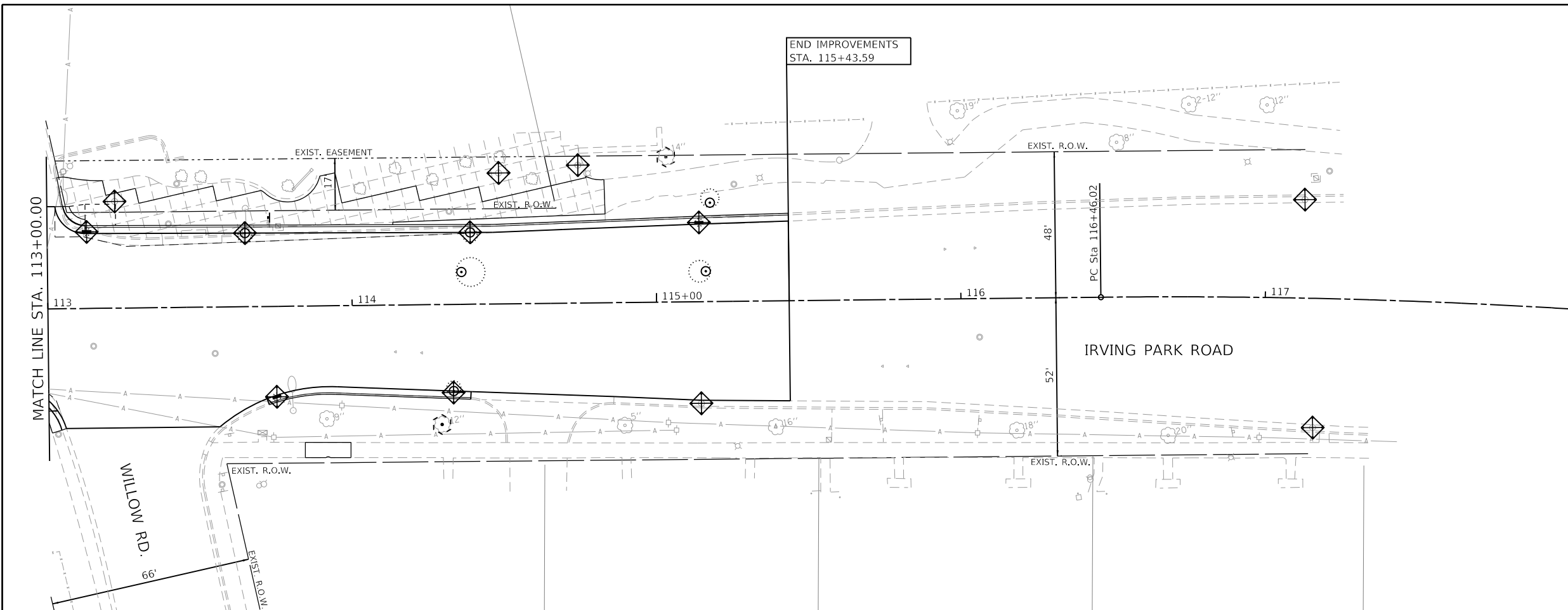
DESIGNED - KLB	REVISED -
DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: 1"=20'    SHEET 1 OF 3 SHEETS    STA. 103+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	



- LEGEND**
- INLET FILTERS
  - TREE TRUNK PROTECTION
  - TREE ROOT PRUNING

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
 FILE NAME: 4999-sht-eros2.dgn

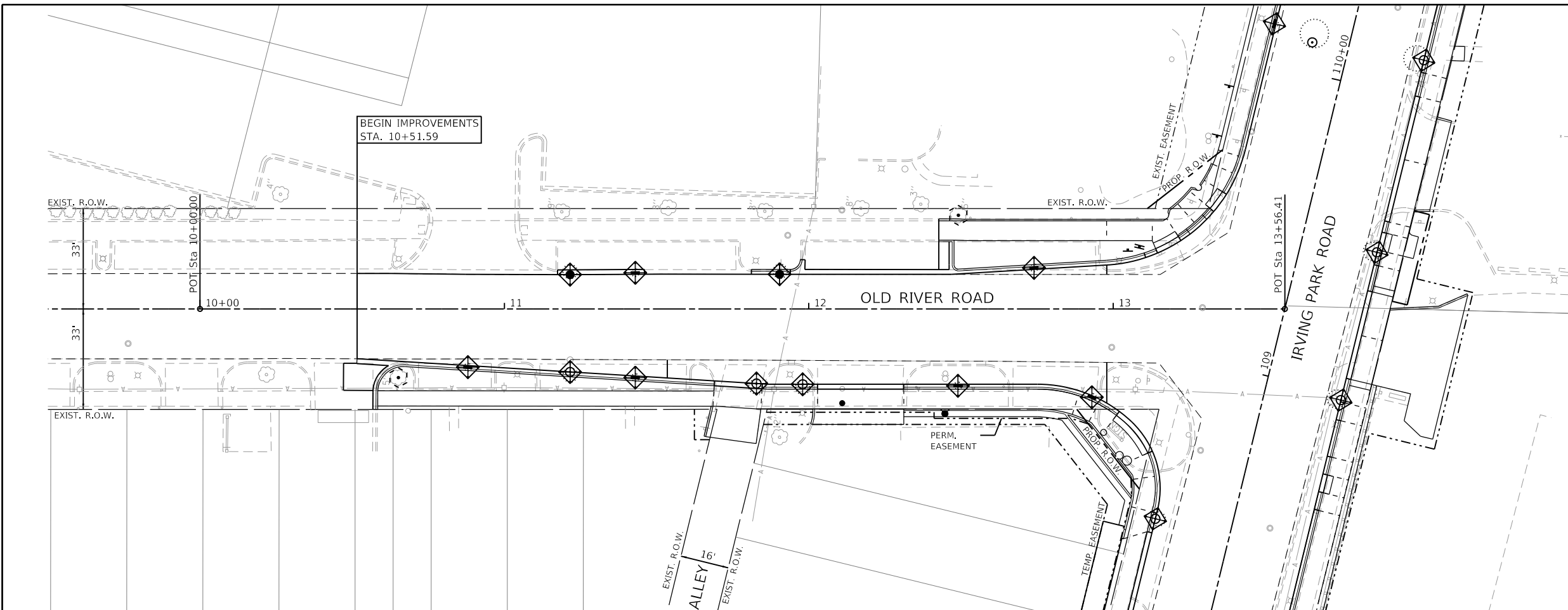
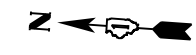
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4999.1	PLOT SCALE = 1:40	DRAWN - DGO	REVISED -
Default	CHECKED - KLB	PLOT DATE = 7/25/2024	REVISED -
	DATE - 7/26/2024		REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS  
IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 113+00 TO STA. 117+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	47
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	



**LEGEND**

◊	INLET FILTERS
⊙	TREE TRUNK PROTECTION TREE ROOT PRUNING

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE NAME: 4999-shi-eros3.dgn

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Default	CHECKED - KLB	DATE - 7/26/2024	REVISED -
	PLOT DATE = 7/25/2024		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS  
OLD RIVER ROAD - SCHILLER PARK, IL**

SCALE: 1"=20'    SHEET 3 OF 3 SHEETS    STA. 9+50 TO STA. 13+50

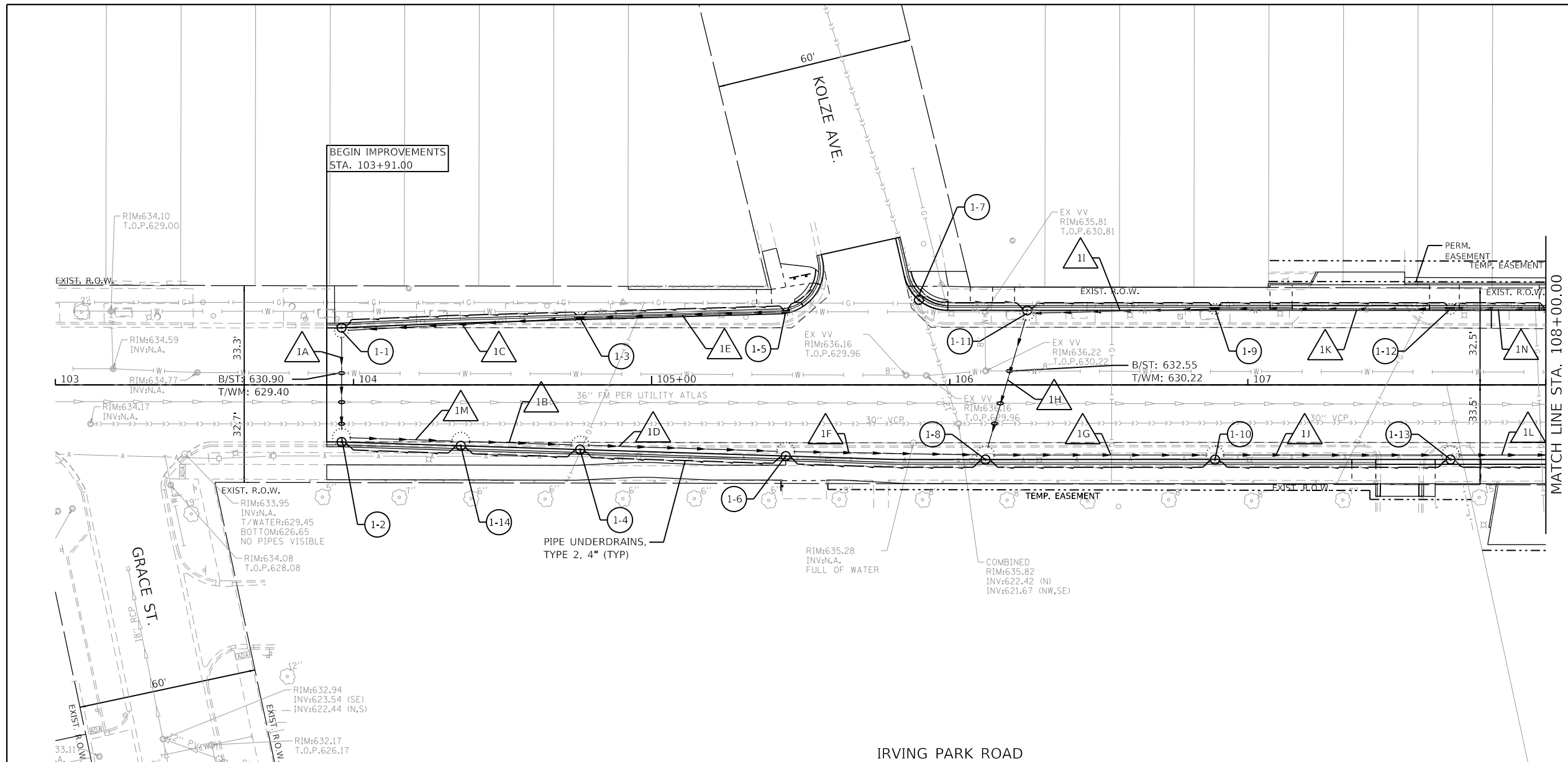
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	48
CONTRACT NO.			61190	
ILLINOIS		FED. AID PROJECT		





PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNED	CHECKED
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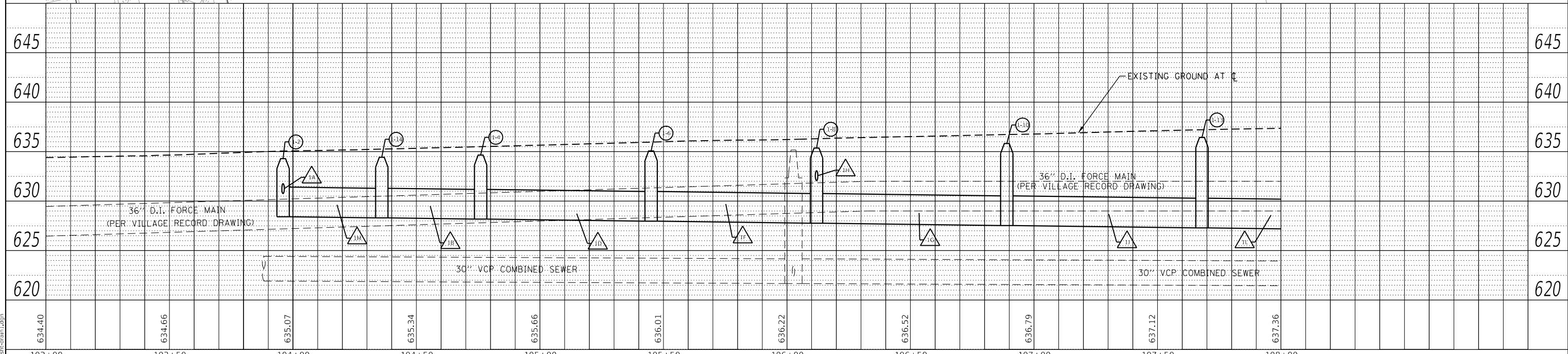
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	PLOTTED	
NOTE BOOK	GRADES	CHECKED
	NO.	NO.
FILE NAME: 4999-sht-drain1.dgn		



NOTE:  
SEE DRAINAGE SCHEDULES AND UTILITY CROSSING TABLES FOR STRUCTURE, PIPE, AND CONFLICT INFORMATION.

PIPE UNDERDRAINS SHALL NOT BE CONNECTED TO STRUCTURES 1-7 & 2-3 WHICH OUTFLOW TO COMBINED SEWERS.

EXISTING AND DISCOVERED SEWERS TO BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM SHALL BE TELEVISED AND FLOW QUALITY SAMPLED TO ENSURE NO SANITARY OR COMBINED FLOW CROSS CONNECTING. ALL EXISTING SANITARY OR COMBINED SEWER MUST NOT DISCHARGE TO THE WATERWAY.



FILE NAME = 4999-sht-drain1.dgn	USER NAME = D00esak	DESIGNED - KLB	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS</b> <b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	F.A.U. RTE. = 345B	SECTION = 15-00082-00-CH	COUNTY = COOK	TOTAL SHEETS = 122	SHEET NO. = 49	
PLOT SCALE = 1:40	CHECKED - KLB	REVISOR -	SCALE: 1"=20'			SHEET 1 OF 4 SHEETS	STA. 103+00 TO STA. 108+00	CONTRACT NO. 6190		ILLINOIS FED. AID PROJECT	
PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISOR -	V:1"=5'								

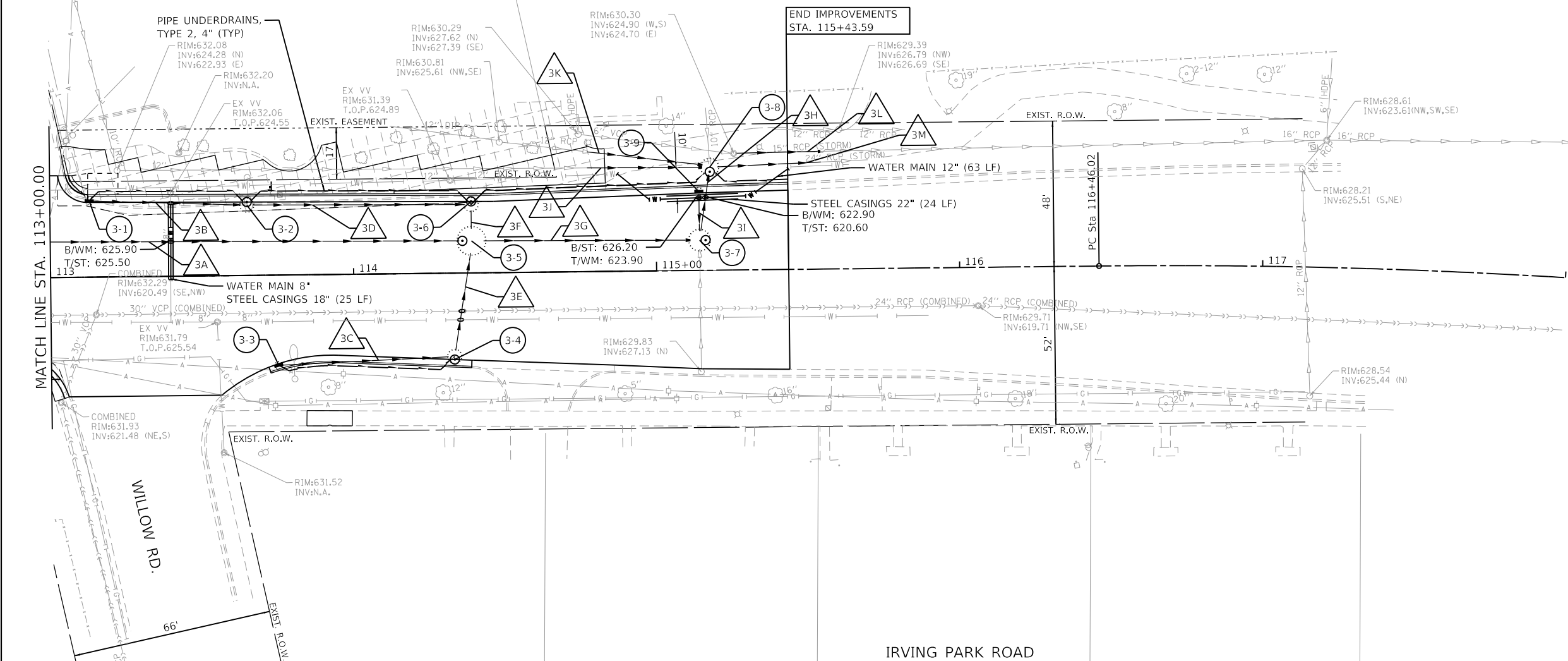




PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
	FILE NAME	

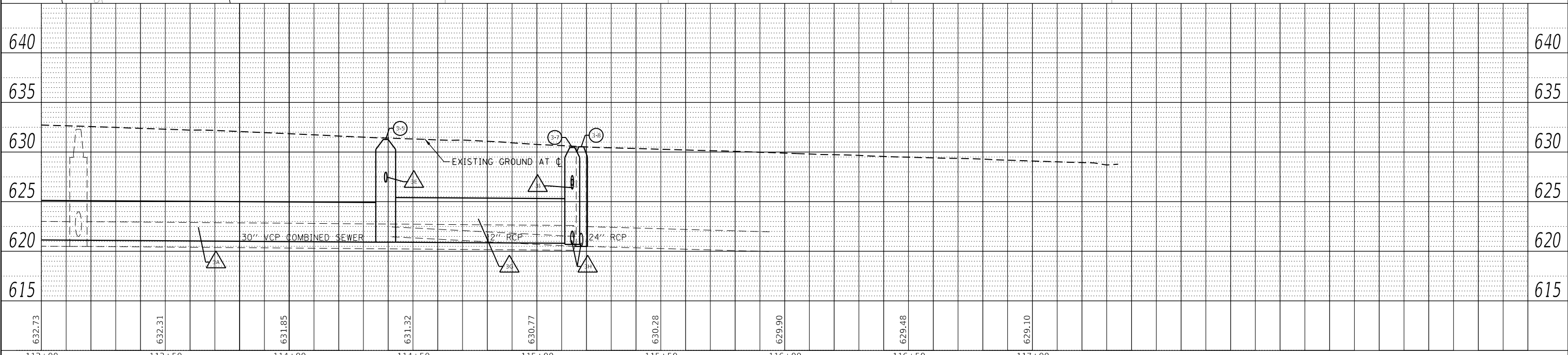
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4999-sht-drain3.dgn



NOTE:  
 SEE DRAINAGE SCHEDULES AND UTILITY CROSSING TABLES FOR STRUCTURE, PIPE, AND CONFLICT INFORMATION.

PIPE UNDERDRAINS SHALL NOT BE CONNECTED TO STRUCTURES 1-7 & 2-3 WHICH OUTFLOW TO COMBINED SEWERS.

EXISTING AND DISCOVERED SEWERS TO BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM SHALL BE TELEVIEWED AND FLOW QUALITY SAMPLED TO ENSURE NO SANITARY OR COMBINED FLOW CROSS CONNECTING. ALL EXISTING SANITARY OR COMBINED SEWER MUST NOT DISCHARGE TO THE WATERWAY.



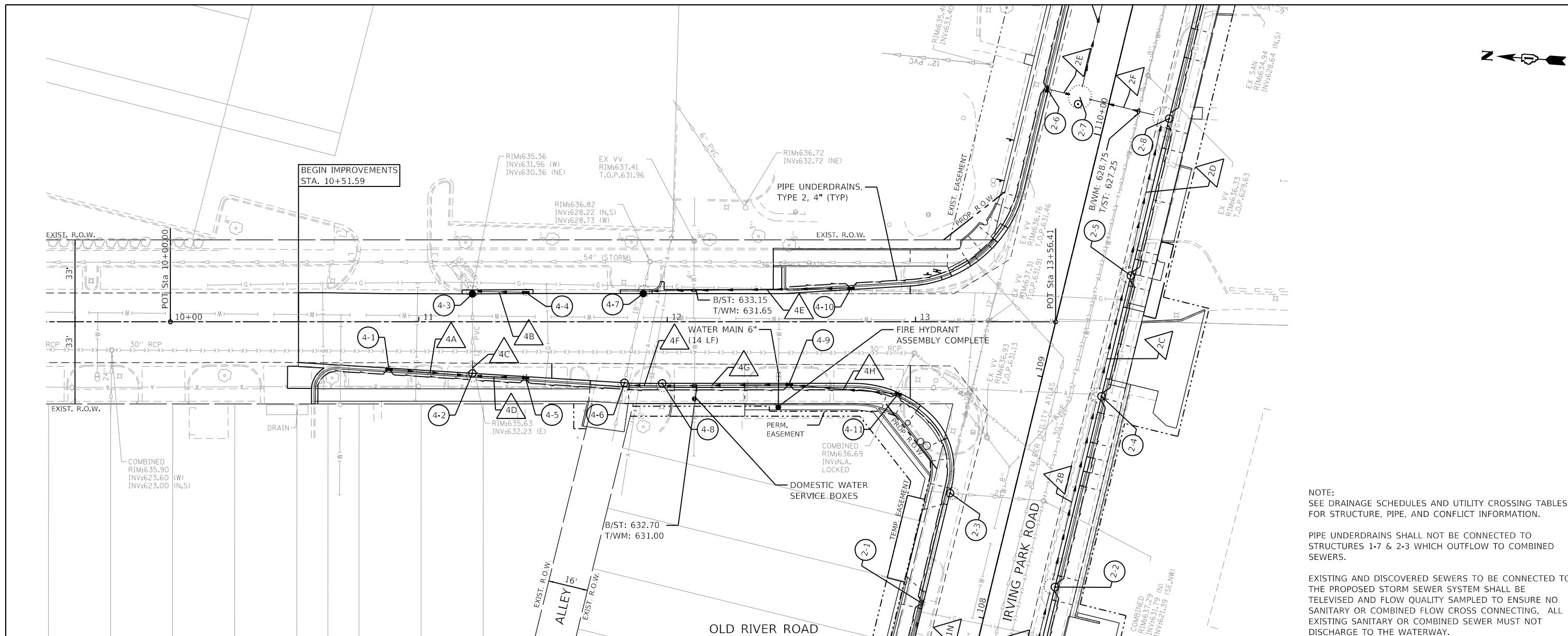
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4999.1	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			SCALE: 1"=20'	SHEET 3 OF 4 SHEETS	STA. 113+00	TO STA. 117+00	CONTRACT NO. 6190		
Default	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -			V:1"=5'		ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

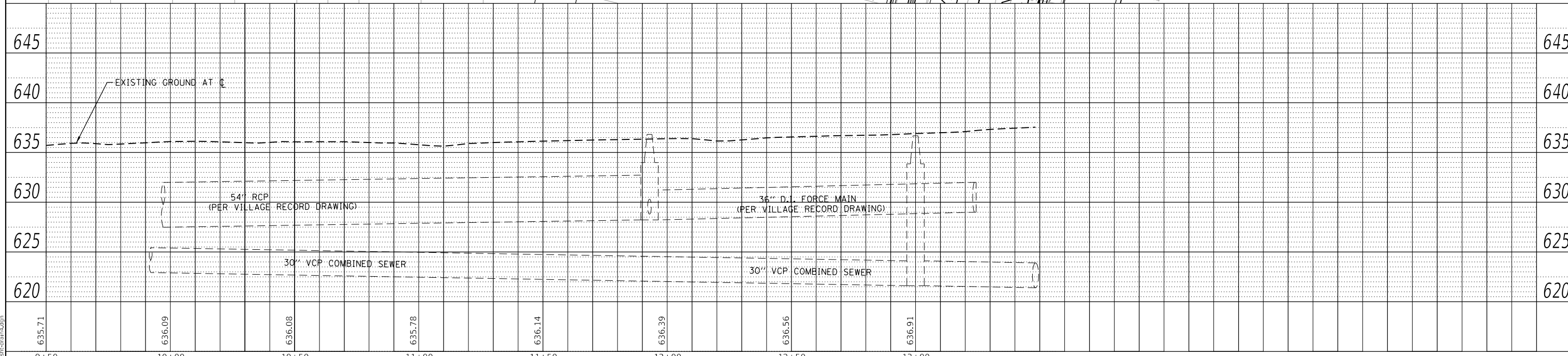
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4999-sht-drain4.dgn



NOTE:  
 SEE DRAINAGE SCHEDULES AND UTILITY CROSSING TABLES FOR STRUCTURE, PIPE, AND CONFLICT INFORMATION.

PIPE UNDERDRAINS SHALL NOT BE CONNECTED TO STRUCTURES 1-7 & 2-3 WHICH OUTFLOW TO COMBINED SEWERS.

EXISTING AND DISCOVERED SEWERS TO BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM SHALL BE TELEVIEWED AND FLOW QUALITY SAMPLED TO ENSURE NO SANITARY OR COMBINED FLOW CROSS CONNECTING. ALL EXISTING SANITARY OR COMBINED SEWER MUST NOT DISCHARGE TO THE WATERWAY.



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS OLD RIVER ROAD - SCHILLER PARK, IL</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
4999-sht-drain4.dgn	D01esak	DRAWN - DGO	REVISED -			345B	15-00082-00-CH	COOK	122	52	
4999.1		CHECKED - KLB	REVISED -			CONTRACT NO. 61190					
Default		DATE - 7/26/2024	REVISED -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE = 1:40		SCALE: 1"=20' V:1"=5'		SHEET 4 OF 4 SHEETS		STA. 9+50 TO STA. 13+50			





**PROJECT LOCATION**

IRVING PARK ROAD  
VILLAGE OF SCHILLER PARK, ILLINOIS

**LOCATION & SEWER ROUTING MAP**

(Not to Scale)

FILE NAME =	USER NAME = DOlesak
4999-sht-mwrdr-map.dgn	
4999.1	
Default	

DESIGNED -	KLB
DRAWN -	DGO
CHECKED -	KLB
DATE -	7/26/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MWRD ROUTING MAP</b>			
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>			
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

FILE NAME =	4999-sht-grade1.dgn
USER NAME =	DOlesak
DESIGNED -	KLB
DRAWN -	DGO
CHECKED -	KLB
DATE -	7/26/2024

DESIGNED -	KLB
REVISOR -	
DATE -	7/26/2024

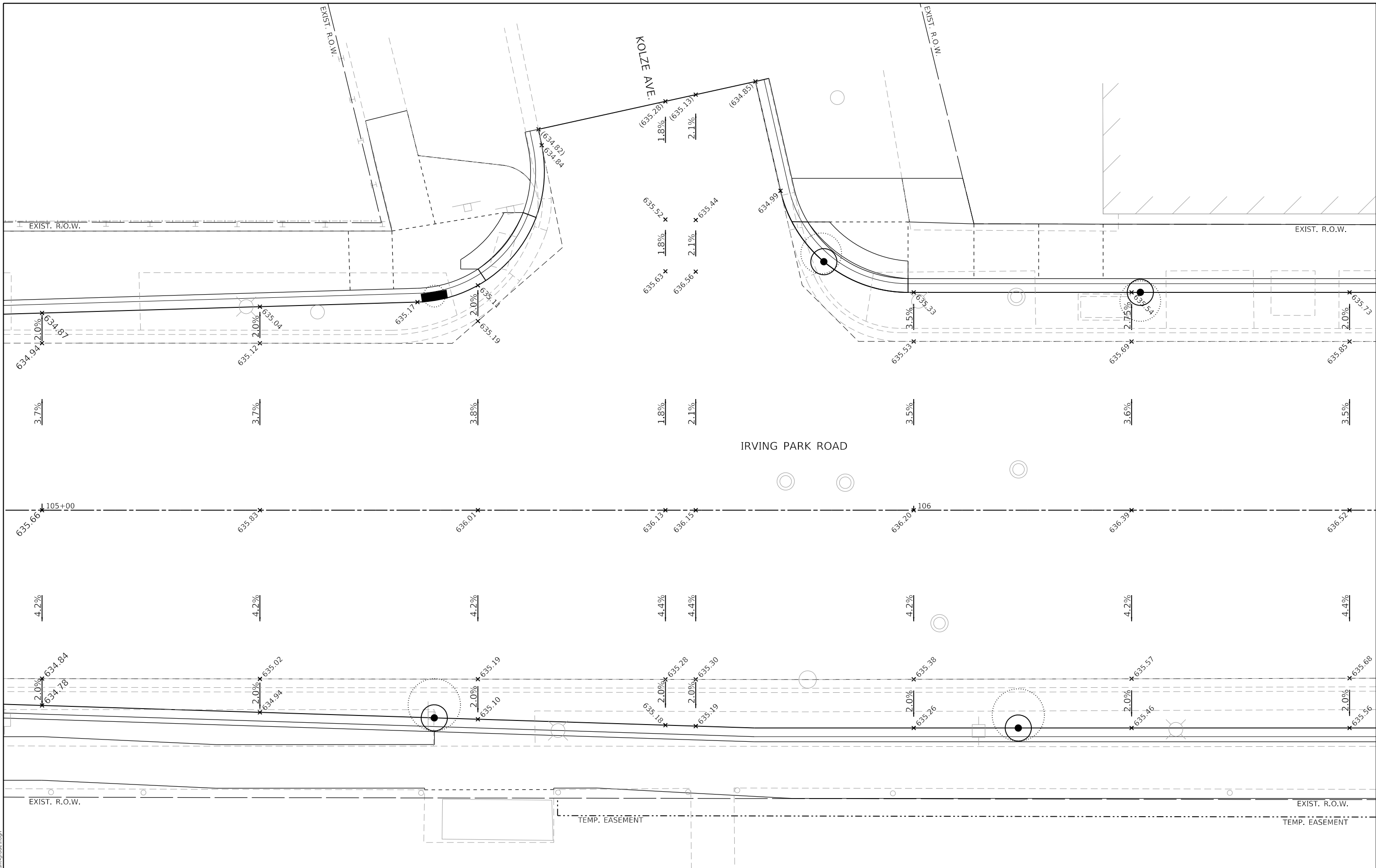
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REVISOR -	
DATE -	7/26/2024

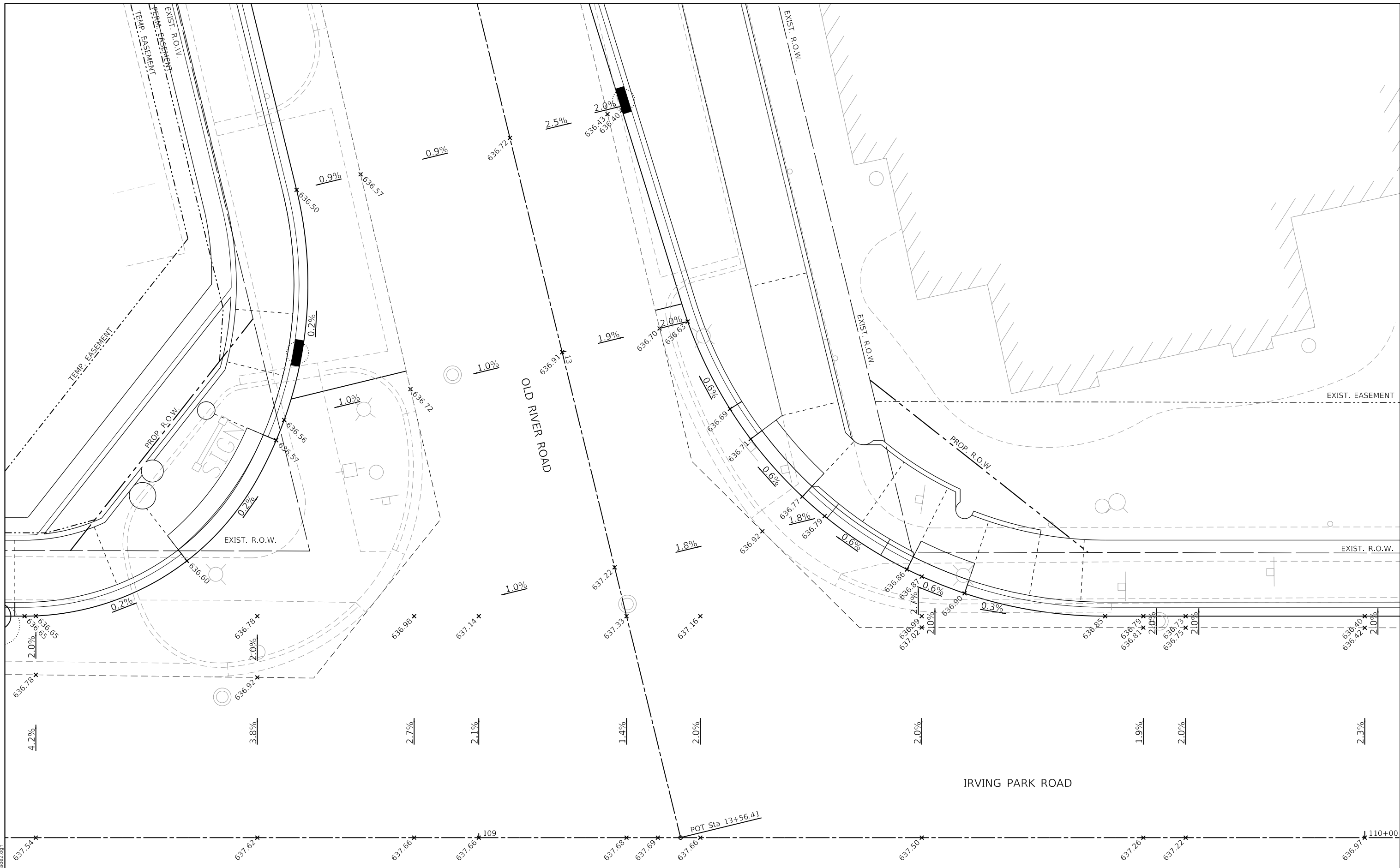
DESIGNED -	KLB
REVISOR -	
DATE -	7/26/2024

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING DETAIL PLANS  
IRVING PARK ROAD - SCHILLER PARK, IL**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	55
CONTRACT NO.			61190	
ILLINOIS FED. AID PROJECT				





MODEL: Default  
 FILE NAME: 4999-sht-grade2.dgn

FILE NAME =	4999-sht-grade2.dgn
USER NAME =	D01esak
PLOT SCALE =	1:10
PLOT DATE =	7/25/2024

DESIGNED -	KLB	REVISED -	
DRAWN -	DGO	REVISED -	
CHECKED -	KLB	REVISED -	
DATE -	7/26/2024	REVISED -	

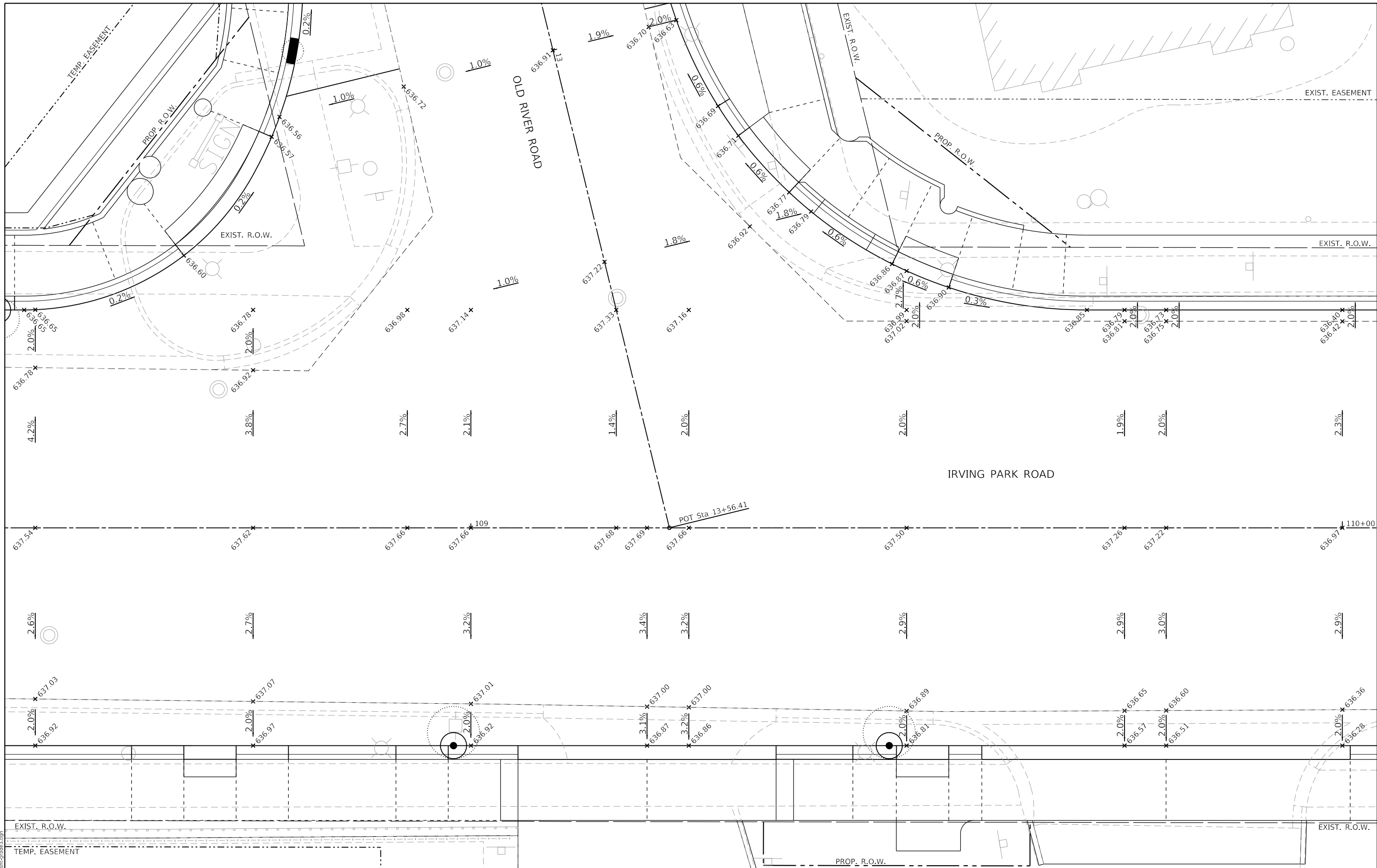
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING DETAIL PLANS  
 IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: 1"=10' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	56
CONTRACT NO. 61190			ILLINOIS FED. AID PROJECT	





MODEL: Default  
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FILE NAME = 4999-sht-grade3.dgn  
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 PLOT SCALE = 1:10  
 PLOT DATE = 7/25/2024

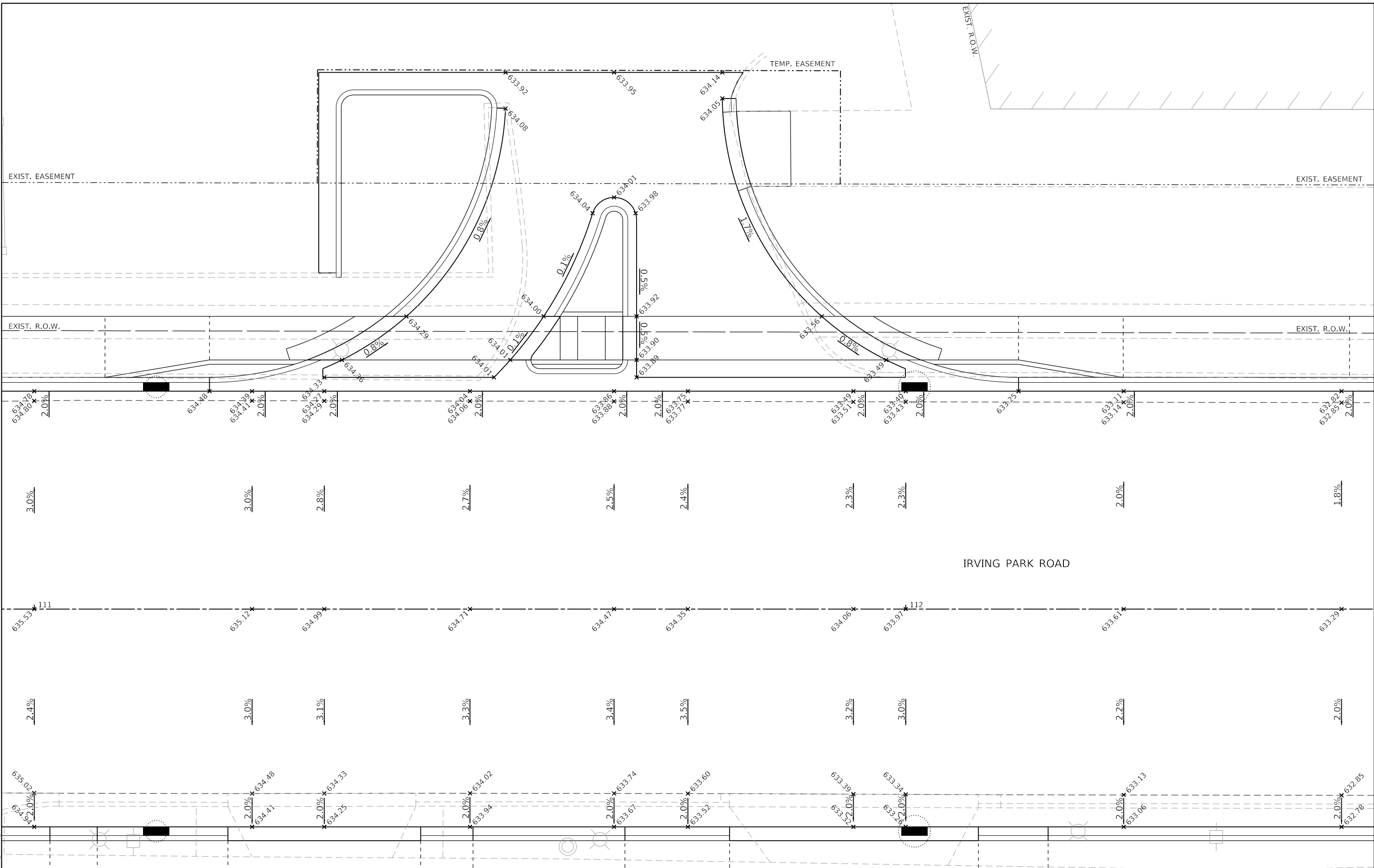
DESIGNED - KLB  
 DRAWN - DGO  
 CHECKED - KLB  
 DATE - 7/26/2024

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING DETAIL PLANS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
 SCALE: 1"=10'  
 SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	57
CONTRACT NO. 61190				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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 PLOT DATE = 7/25/2024

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 CHECKED - KLB  
 DATE - 7/26/2024

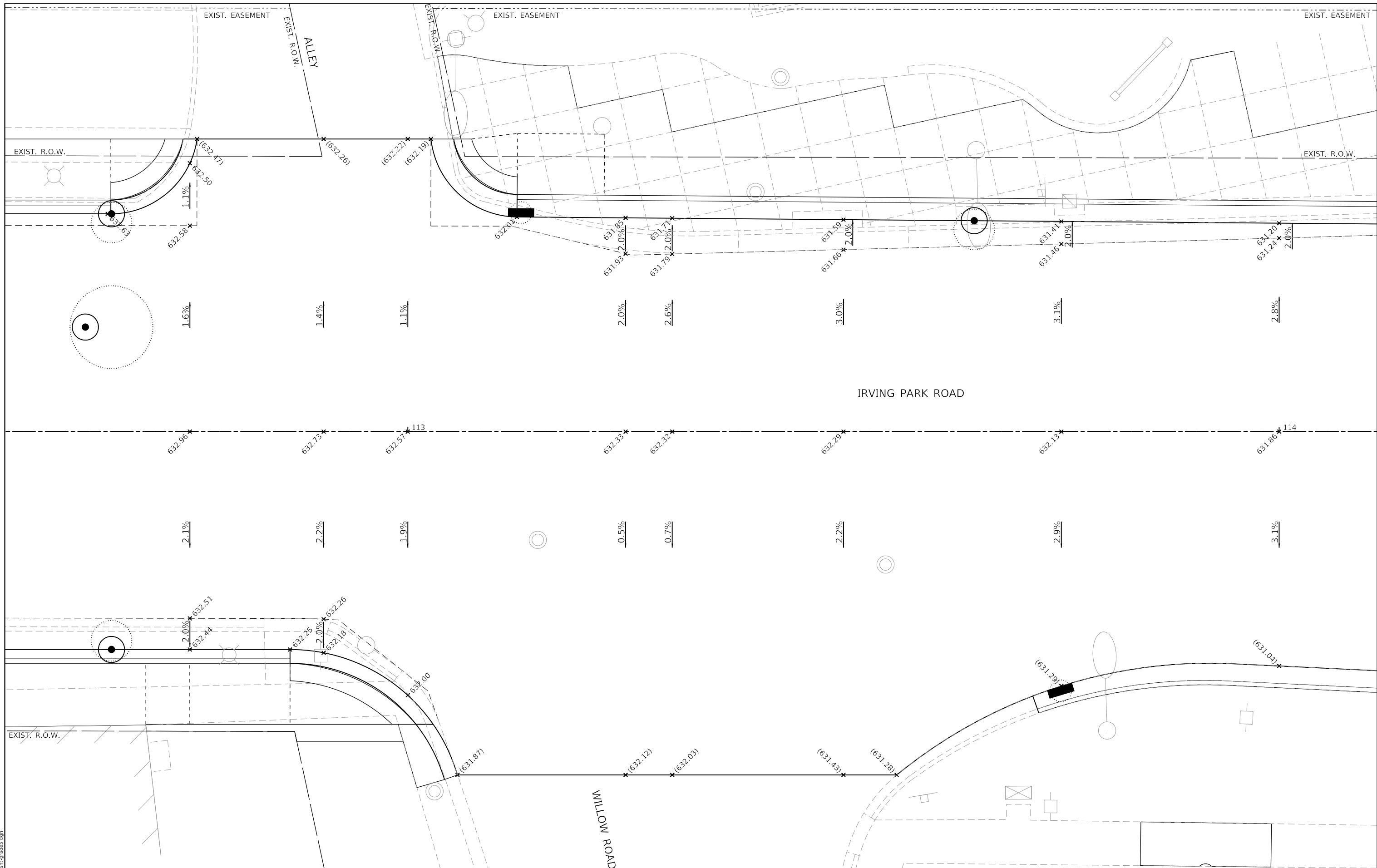
REVISOR -  
 REVISION -  
 REVISION -  
 REVISION -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING DETAIL PLANS  
 IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: 1"=10' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	



MODEL: Default  
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FILE NAME = 4999-sht-grade5.dgn  
 USER NAME = D01esak  
 PLOT SCALE = 1:10  
 PLOT DATE = 7/25/2024

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
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DATE - 7/26/2024	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

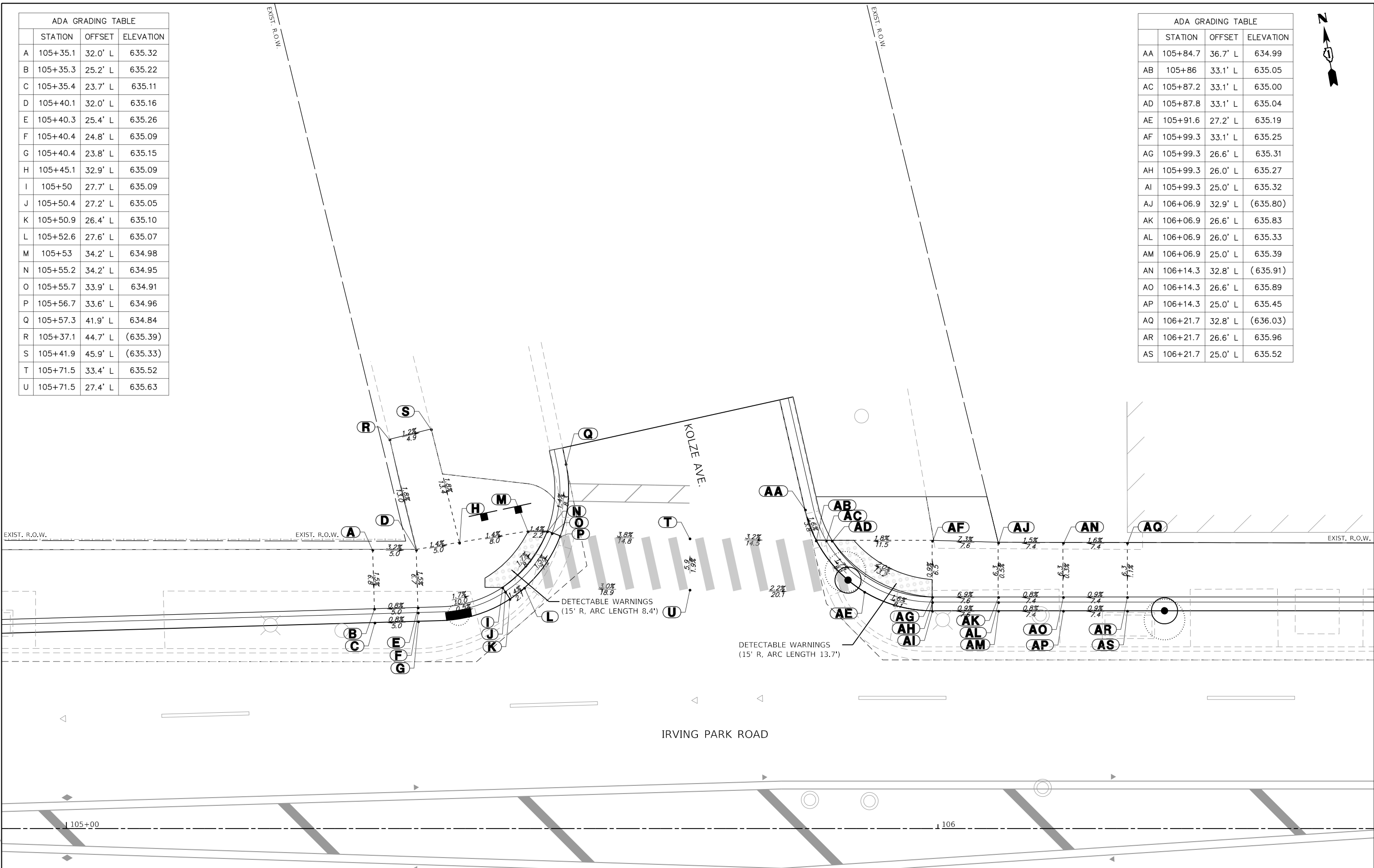
**INTERSECTION GRADING DETAIL PLANS  
 IRVING PARK ROAD - SCHILLER PARK, IL**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	59
CONTRACT NO. 6190			ILLINOIS FED. AID PROJECT	

ADA GRADING TABLE			
STATION	OFFSET		ELEVATION
A	105+35.1	32.0' L	635.32
B	105+35.3	25.2' L	635.22
C	105+35.4	23.7' L	635.11
D	105+40.1	32.0' L	635.16
E	105+40.3	25.4' L	635.26
F	105+40.4	24.8' L	635.09
G	105+40.4	23.8' L	635.15
H	105+45.1	32.9' L	635.09
I	105+50	27.7' L	635.09
J	105+50.4	27.2' L	635.05
K	105+50.9	26.4' L	635.10
L	105+52.6	27.6' L	635.07
M	105+53	34.2' L	634.98
N	105+55.2	34.2' L	634.95
O	105+55.7	33.9' L	634.91
P	105+56.7	33.6' L	634.96
Q	105+57.3	41.9' L	634.84
R	105+37.1	44.7' L	(635.39)
S	105+41.9	45.9' L	(635.33)
T	105+71.5	33.4' L	635.52
U	105+71.5	27.4' L	635.63

ADA GRADING TABLE			
STATION	OFFSET		ELEVATION
AA	105+84.7	36.7' L	634.99
AB	105+86	33.1' L	635.05
AC	105+87.2	33.1' L	635.00
AD	105+87.8	33.1' L	635.04
AE	105+91.6	27.2' L	635.19
AF	105+99.3	33.1' L	635.25
AG	105+99.3	26.6' L	635.31
AH	105+99.3	26.0' L	635.27
AI	105+99.3	25.0' L	635.32
AJ	106+06.9	32.9' L	(635.80)
AK	106+06.9	26.6' L	635.83
AL	106+06.9	26.0' L	635.33
AM	106+06.9	25.0' L	635.39
AN	106+14.3	32.8' L	(635.91)
AO	106+14.3	26.6' L	635.89
AP	106+14.3	25.0' L	635.45
AQ	106+21.7	32.8' L	(636.03)
AR	106+21.7	26.6' L	635.96
AS	106+21.7	25.0' L	635.52



GHA GEWALT HAMILTON ASSOCIATES, INC.  
 MODEL: Default  
 FILE NAME: 4999-sht-ada1.dgn

FILE NAME = 4999-sht-ada1.dgn  
 USER NAME = D01esak  
 PLOT SCALE = 1:10  
 PLOT DATE = 7/25/2024

DESIGNED - KLB	REVISED -
DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/26/2024	REVISED -

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

**ADA GRADING DETAILS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

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

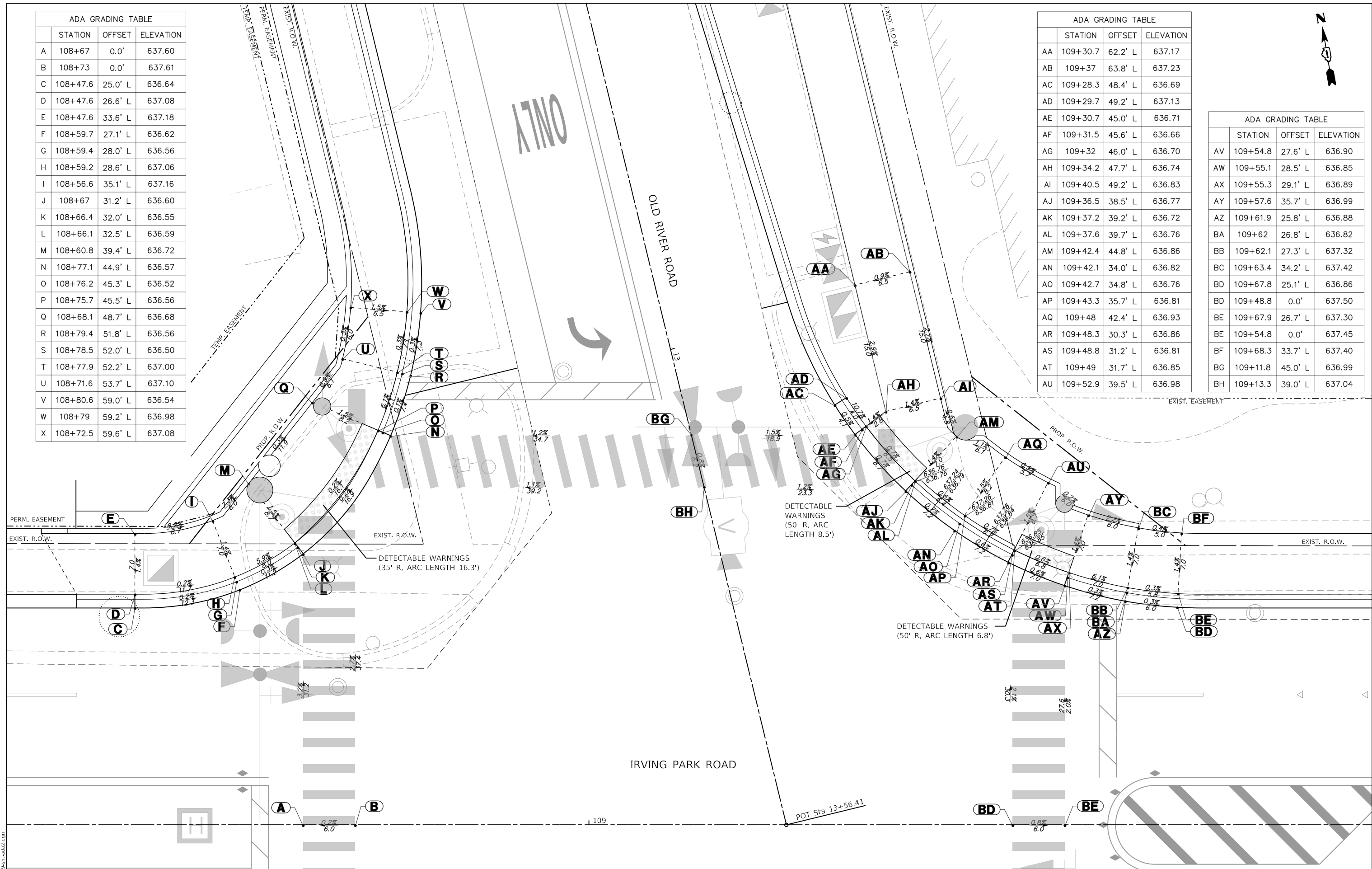
F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 60
CONTRACT NO. 6190				ILLINOIS FED. AID PROJECT



ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
A	108+67	0.0'	637.60
B	108+73	0.0'	637.61
C	108+47.6	25.0' L	636.64
D	108+47.6	26.6' L	637.08
E	108+47.6	33.6' L	637.18
F	108+59.7	27.1' L	636.62
G	108+59.4	28.0' L	636.56
H	108+59.2	28.6' L	637.06
I	108+56.6	35.1' L	637.16
J	108+67	31.2' L	636.60
K	108+66.4	32.0' L	636.55
L	108+66.1	32.5' L	636.59
M	108+60.8	39.4' L	636.72
N	108+77.1	44.9' L	636.57
O	108+76.2	45.3' L	636.52
P	108+75.7	45.5' L	636.56
Q	108+68.1	48.7' L	636.68
R	108+79.4	51.8' L	636.56
S	108+78.5	52.0' L	636.50
T	108+77.9	52.2' L	637.00
U	108+71.6	53.7' L	637.10
V	108+80.6	59.0' L	636.54
W	108+79	59.2' L	636.98
X	108+72.5	59.6' L	637.08

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AA	109+30.7	62.2' L	637.17
AB	109+37	63.8' L	637.23
AC	109+28.3	48.4' L	636.69
AD	109+29.7	49.2' L	637.13
AE	109+30.7	45.0' L	636.71
AF	109+31.5	45.6' L	636.66
AG	109+32	46.0' L	636.70
AH	109+34.2	47.7' L	636.74
AI	109+40.5	49.2' L	636.83
AJ	109+36.5	38.5' L	636.77
AK	109+37.2	39.2' L	636.72
AL	109+37.6	39.7' L	636.76
AM	109+42.4	44.8' L	636.86
AN	109+42.1	34.0' L	636.82
AO	109+42.7	34.8' L	636.76
AP	109+43.3	35.7' L	636.81
AQ	109+48	42.4' L	636.93
AR	109+48.3	30.3' L	636.86
AS	109+48.8	31.2' L	636.81
AT	109+49	31.7' L	636.85
AU	109+52.9	39.5' L	636.98

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AV	109+54.8	27.6' L	636.90
AW	109+55.1	28.5' L	636.85
AX	109+55.3	29.1' L	636.89
AY	109+57.6	35.7' L	636.99
AZ	109+61.9	25.8' L	636.88
BA	109+62	26.8' L	636.82
BB	109+62.1	27.3' L	637.32
BC	109+63.4	34.2' L	637.42
BD	109+67.8	25.1' L	636.86
BE	109+48.8	0.0'	637.50
BE	109+67.9	26.7' L	637.30
BE	109+54.8	0.0'	637.45
BF	109+68.3	33.7' L	637.40
BG	109+11.8	45.0' L	636.99
BH	109+13.3	39.0' L	637.04



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE: 4999-sht-ada2.dgn

FILE NAME = 4999-sht-ada2.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
4999.1	PLOT SCALE = 1:10	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

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

SCALE: 1"=5'		SHEET 2 OF 6 SHEETS		STA. _____	TO STA. _____
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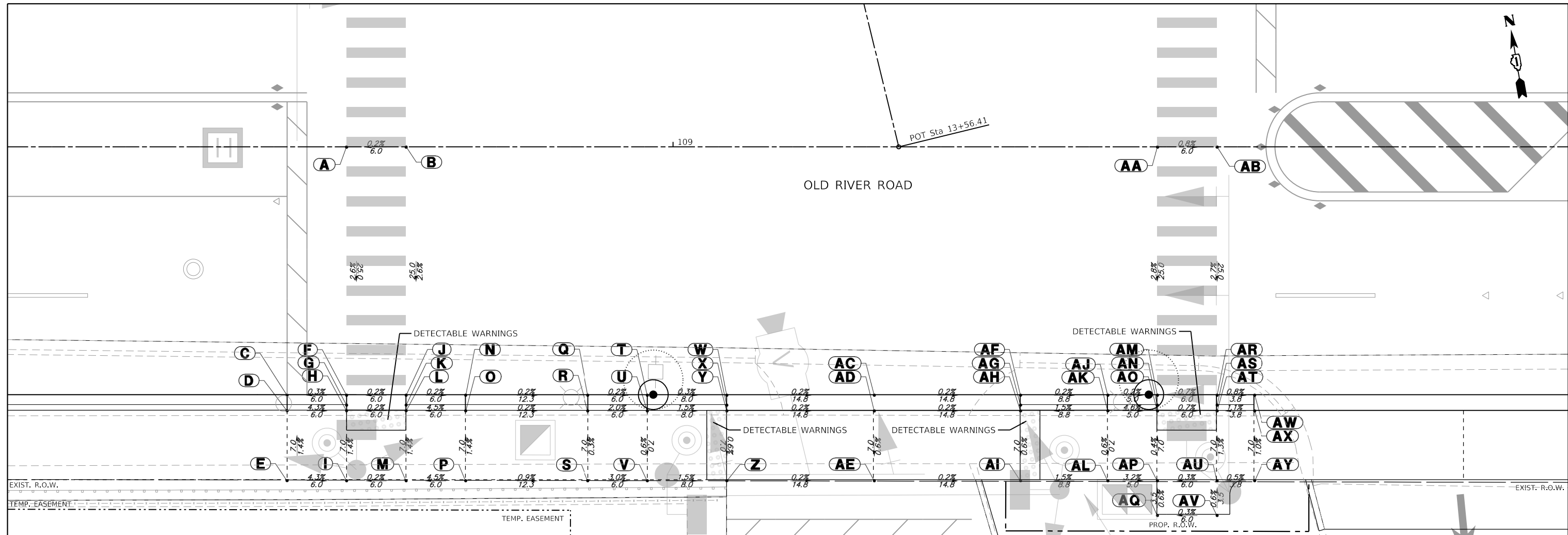
**ADA GRADING DETAILS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 61
CONTRACT NO. 6190				
ILLINOIS FED. AID PROJECT				



OLD RIVER ROAD

POT Sta 13+56.41



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	108+67	0.0'	637.60
B	108+73	0.0'	637.61
C	108+61	25.0' R	636.94
D	108+61	26.6' R	637.21
E	108+61	33.6' R	637.31
F	108+67	25.0' R	636.96
G	108+67	26.0' R	636.91
H	108+67	26.6' R	636.95
I	108+67	33.6' R	637.05
J	108+73	25.0' R	636.97
K	108+73	26.0' R	636.92
L	108+73	26.6' R	636.96
M	108+73	33.6' R	637.06
N	108+79	25.0' R	636.96
O	108+79	26.6' R	637.23
P	108+79	33.6' R	637.33
Q	108+91.4	25.0' R	636.93
R	108+91.4	26.6' R	637.20
S	108+91.4	33.6' R	637.22
T	108+97.4	25.0' R	636.92

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
U	108+97.4	26.6' R	637.08
V	108+97.4	33.6' R	637.04
W	109+05.4	25.0' R	636.90
X	109+05.4	26.0' R	636.84
Y	109+05.4	26.6' R	636.96
Z	109+05.4	33.6' R	636.92

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	109+48.8	0.0'	637.50
AB	109+54.8	0.0'	637.45
AC	109+20.2	25.0' R	636.87
AD	109+20.2	26.6' R	636.93
AE	109+20.2	33.6' R	636.89
AF	109+35	25.0' R	636.84
AG	109+35	26.0' R	636.78
AH	109+35	26.6' R	636.90
AI	109+35	33.6' R	636.86
AJ	109+43.8	25.0' R	636.82
AK	109+43.8	26.6' R	637.03
AL	109+43.8	33.6' R	636.99
AM	109+48.8	25.0' R	636.81
AN	109+48.8	26.0' R	636.76
AO	109+48.8	26.6' R	636.80
AP	109+48.8	33.6' R	636.83
AQ	109+48.8	37.1' R	636.85
AR	109+54.8	25.0' R	636.77
AS	109+54.8	26.0' R	636.72
AT	109+54.8	26.6' R	636.76

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AU	109+54.8	33.6' R	636.85
AV	109+54.8	37.1' R	636.87
AW	109+58.6	25.0' R	636.74
AX	109+58.6	26.6' R	636.80
AY	109+58.6	33.6' R	636.87

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA GRADING DETAILS</b>			
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>			
SCALE: 1"=5'	SHEET 3 OF 6 SHEETS	STA.	TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

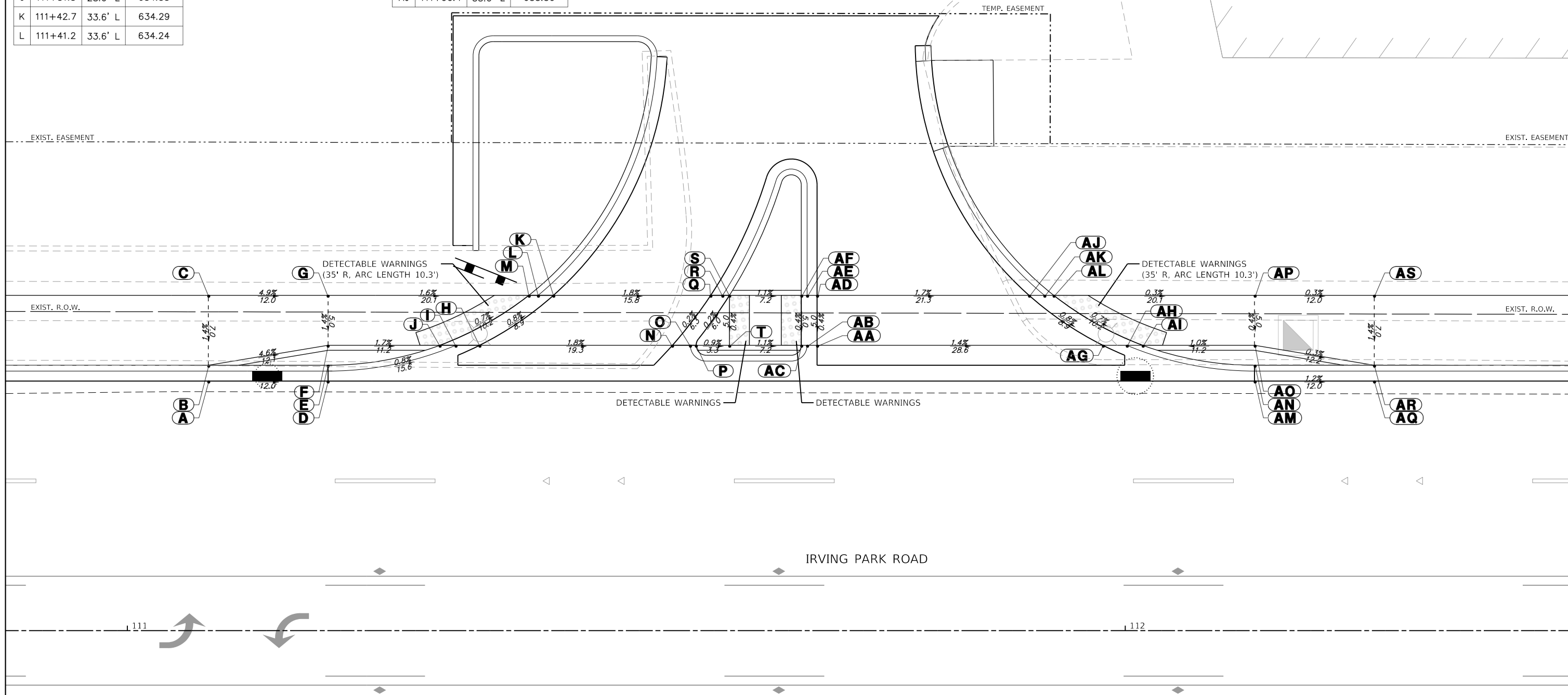


ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
A	111+08.1	25.0' L	634.66
B	111+08.1	26.6' L	635.10
C	111+08.1	33.6' L	635.20
D	111+20.1	25.0' L	634.48
E	111+20.1	26.6' L	634.92
F	111+20.1	28.6' L	634.54
G	111+20.1	33.6' L	634.61
H	111+35.3	28.6' L	634.36
I	111+32.9	28.6' L	634.31
J	111+31.3	28.6' L	634.35
K	111+42.7	33.6' L	634.29
L	111+41.2	33.6' L	634.24

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
M	111+40.2	33.6' L	634.28
N	111+54.6	28.6' L	634.01
O	111+56.4	28.6' L	633.96
P	111+57	28.6' L	634.00
Q	111+58.5	33.6' L	634.00
R	111+59.6	33.6' L	633.95
S	111+60.3	33.6' L	633.99
T	111+60.3	28.6' L	633.97

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AA	111+69.1	28.6' L	633.90
AB	111+68.1	28.6' L	633.85
AC	111+67.5	28.6' L	633.89
AD	111+69.1	33.6' L	633.92
AE	111+68.1	33.6' L	633.87
AF	111+67.5	33.6' L	633.91
AG	111+97.8	28.6' L	633.49
AH	112+00.1	28.6' L	633.44
AI	112+01.7	28.6' L	633.48
AJ	111+90.4	33.6' L	633.56

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AK	111+91.9	33.6' L	633.51
AL	111+92.8	33.6' L	633.55
AM	112+12.9	25.0' L	633.25
AN	112+12.9	26.6' L	633.24
AO	112+12.9	28.6' L	633.59
AP	112+12.9	33.6' L	633.61
AQ	112+24.9	25.0' L	633.11
AR	112+24.9	26.6' L	633.55
AS	112+24.9	33.6' L	633.65



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

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

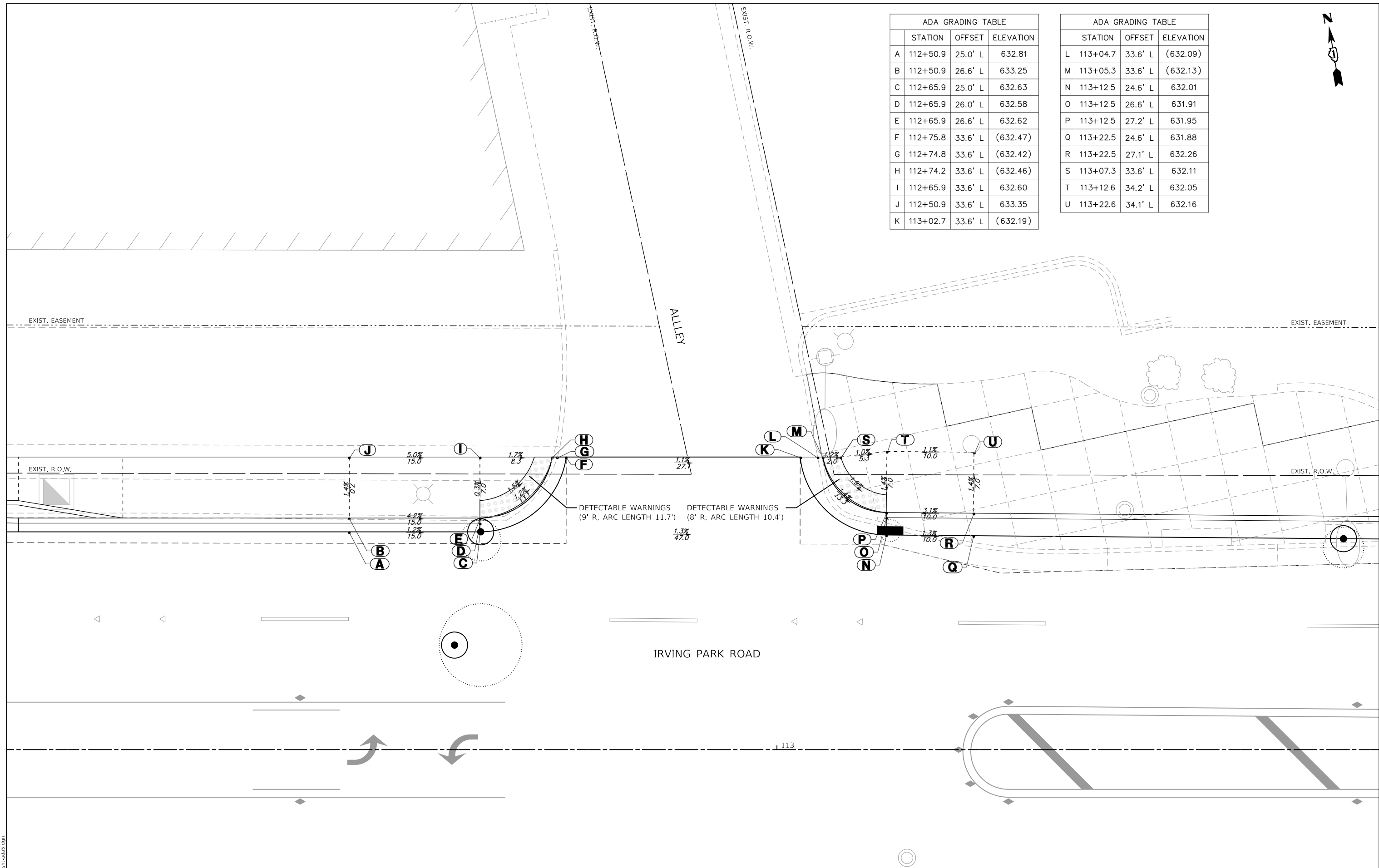
<b>ADA GRADING DETAILS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: 1"=5'	SHEET 4 OF 6 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 63
			CONTRACT NO. 6190	
<small>ILLINOIS FED. AID PROJECT</small>				



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	112+50.9	25.0' L	632.81
B	112+50.9	26.6' L	633.25
C	112+65.9	25.0' L	632.63
D	112+65.9	26.0' L	632.58
E	112+65.9	26.6' L	632.62
F	112+75.8	33.6' L	(632.47)
G	112+74.8	33.6' L	(632.42)
H	112+74.2	33.6' L	(632.46)
I	112+65.9	33.6' L	632.60
J	112+50.9	33.6' L	633.35
K	113+02.7	33.6' L	(632.19)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
L	113+04.7	33.6' L	(632.09)
M	113+05.3	33.6' L	(632.13)
N	113+12.5	24.6' L	632.01
O	113+12.5	26.6' L	631.91
P	113+12.5	27.2' L	631.95
Q	113+22.5	24.6' L	631.88
R	113+22.5	27.1' L	632.26
S	113+07.3	33.6' L	632.11
T	113+12.6	34.2' L	632.05
U	113+22.6	34.1' L	632.16



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
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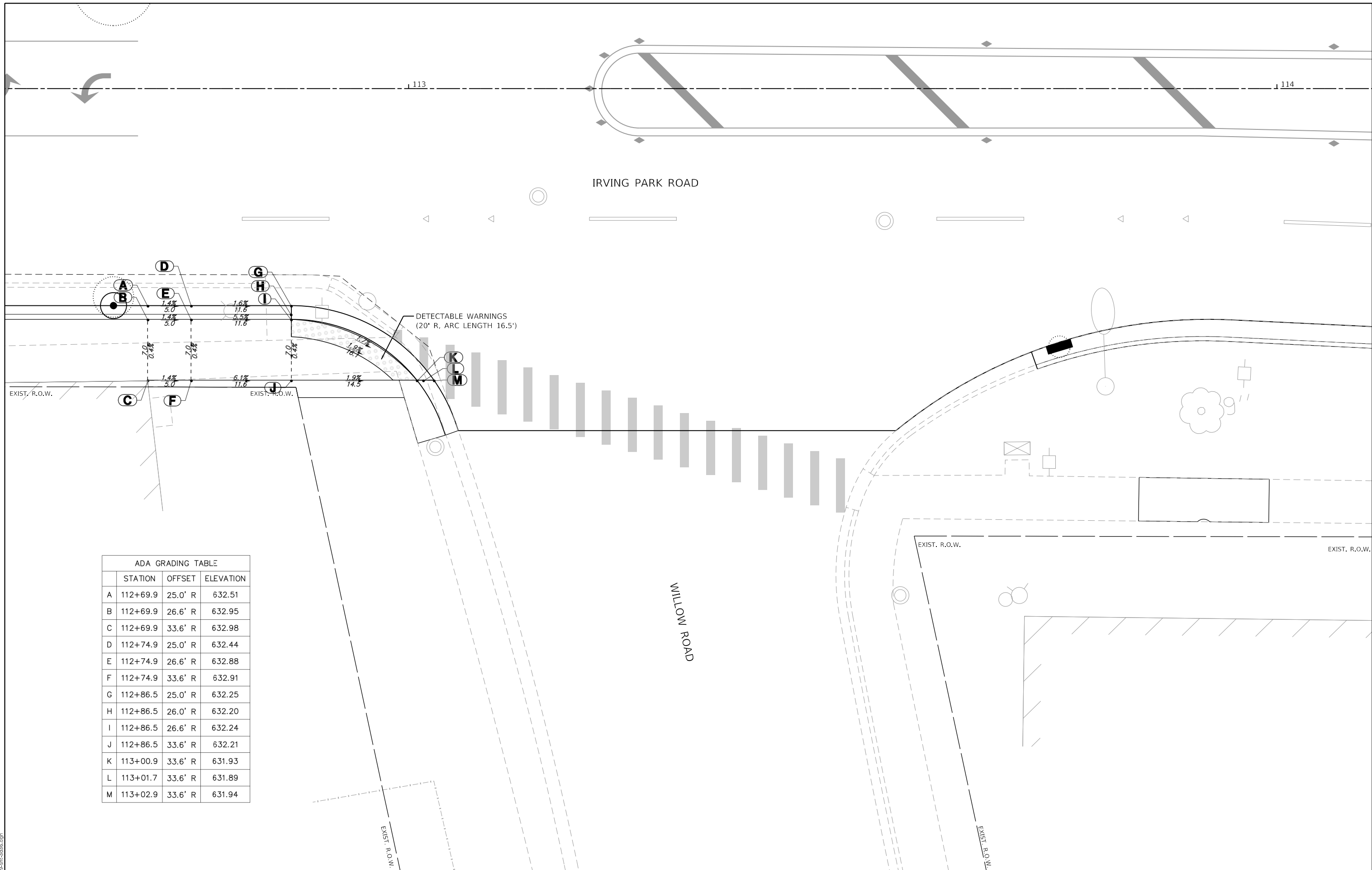
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ADA GRADING DETAILS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

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

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 64
			CONTRACT NO. 6190	
ILLINOIS FED. AID PROJECT				





ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	112+69.9	25.0' R	632.51
B	112+69.9	26.6' R	632.95
C	112+69.9	33.6' R	632.98
D	112+74.9	25.0' R	632.44
E	112+74.9	26.6' R	632.88
F	112+74.9	33.6' R	632.91
G	112+86.5	25.0' R	632.25
H	112+86.5	26.0' R	632.20
I	112+86.5	26.6' R	632.24
J	112+86.5	33.6' R	632.21
K	113+00.9	33.6' R	631.93
L	113+01.7	33.6' R	631.89
M	113+02.9	33.6' R	631.94

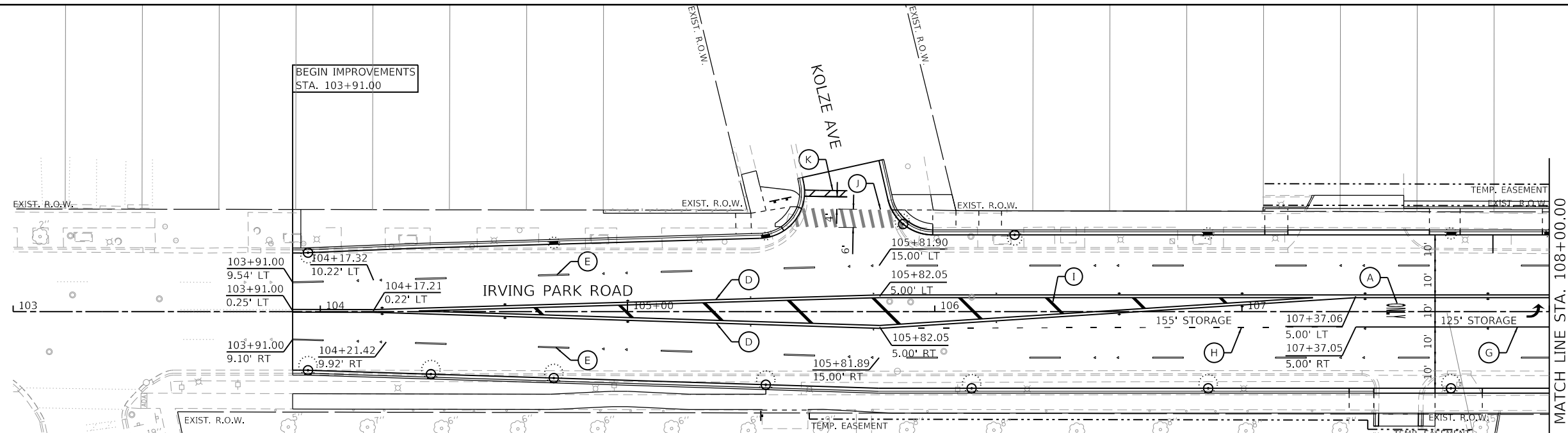
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

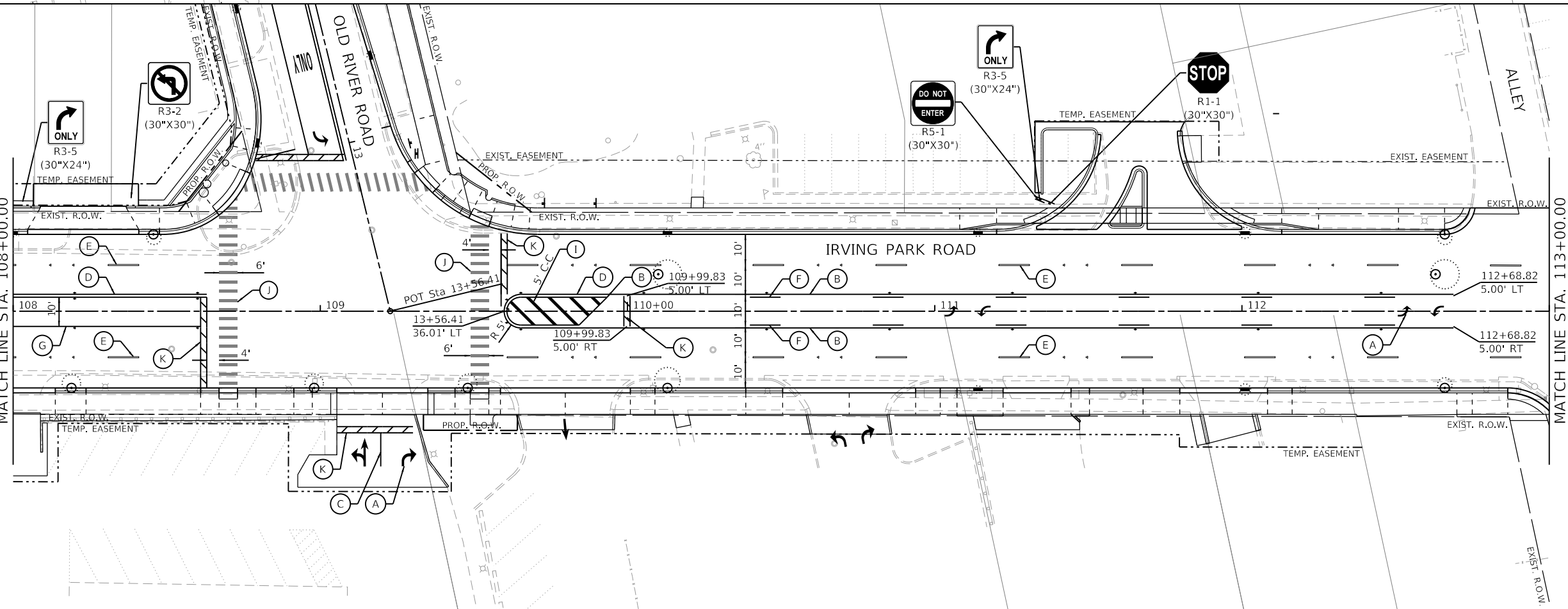
<b>ADA GRADING DETAILS</b> <b>IRVING PARK ROAD - SCHILLER PARK, IL</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		345B	15-00082-00-CH	COOK	122	65
SCALE: 1"=5'		SHEET 6 OF 6 SHEETS		STA. TO STA.		

CONTRACT NO. 61190		ILLINOIS	FED. AID PROJECT
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**PAVEMENT MARKING LEGEND**

- |  |  |   |
|--|--|---|
| (A) THERMOPLASTIC - LETTERS AND SYMBOLS                            | (F) THERMOPLASTIC - LINE 4" YELLOW SKIP-DASH (10' DASH - 30' SPACE)                      | (J) THERMOPLASTIC - LINE 12" SOLID WHITE (3' C-C) |
| (B) THERMOPLASTIC - LINE 4" SOLID YELLOW                           | (G) THERMOPLASTIC - LINE 6" SOLID WHITE  | (K) THERMOPLASTIC - LINE 24" SOLID WHITE          |
| (C) THERMOPLASTIC - LINE 4" SOLID WHITE                            | (H) THERMOPLASTIC - LINE 6" WHITE DOTTED (2' DASH - 6' SPACE)                            | ◀ ONE-WAY AMBER MARKER                            |
| (D) THERMOPLASTIC - LINE 4" DOUBLE YELLOW                          | (I) THERMOPLASTIC - LINE 12" SOLID YELLOW DIAGONAL (45°, 20' C-C UNLESS OTHERWISE NOTED) | ◀ ONE-WAY CRYSTAL MARKER (W/O)                    |
| (E) THERMOPLASTIC - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE) |  | ◆ TWO-WAY AMBER MARKER                            |



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

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 USER NAME = D0lesak  
 PLOT SCALE = 1:40  
 PLOT DATE = 7/25/2024

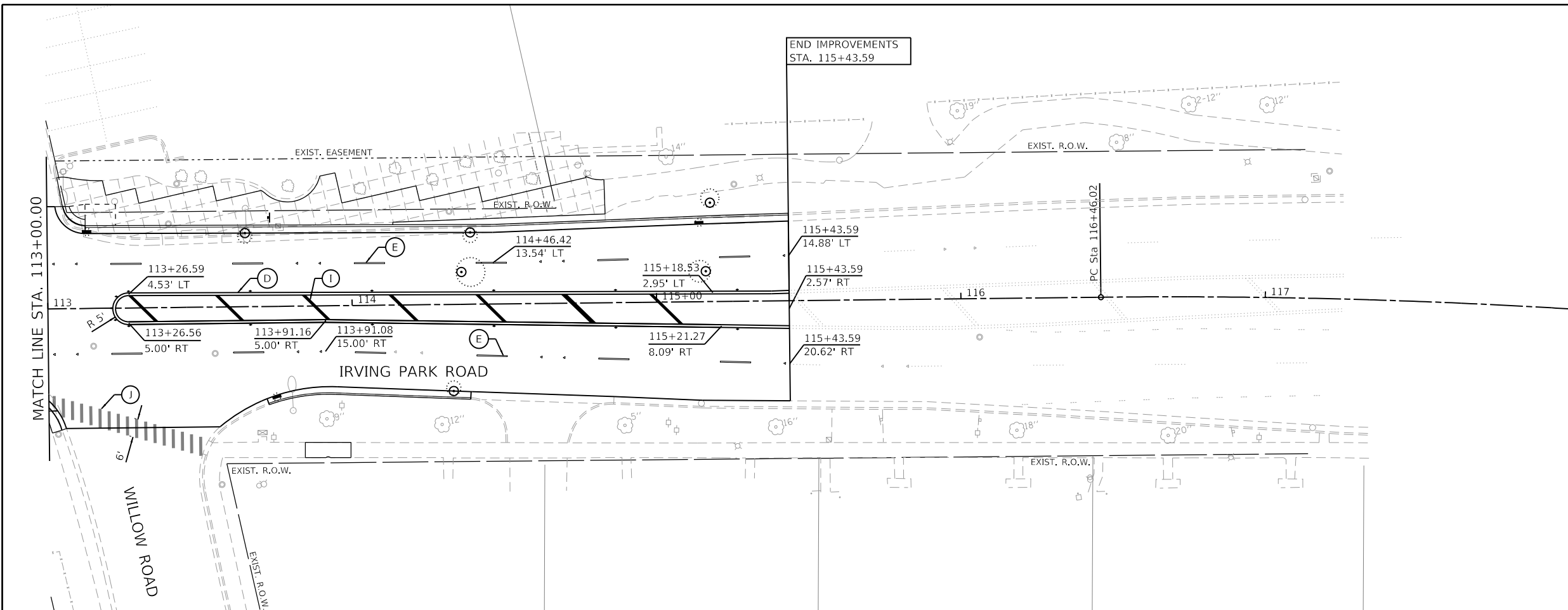
DESIGNED - KLB  
 DRAWN - DGO  
 CHECKED - KLB  
 DATE - 7/26/2024

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**  
 SCALE: 1"=20'  
 SHEET 1 OF 3 SHEETS  
 STA. 103+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	66
				CONTRACT NO. 61190
ILLINOIS FED. AID PROJECT				



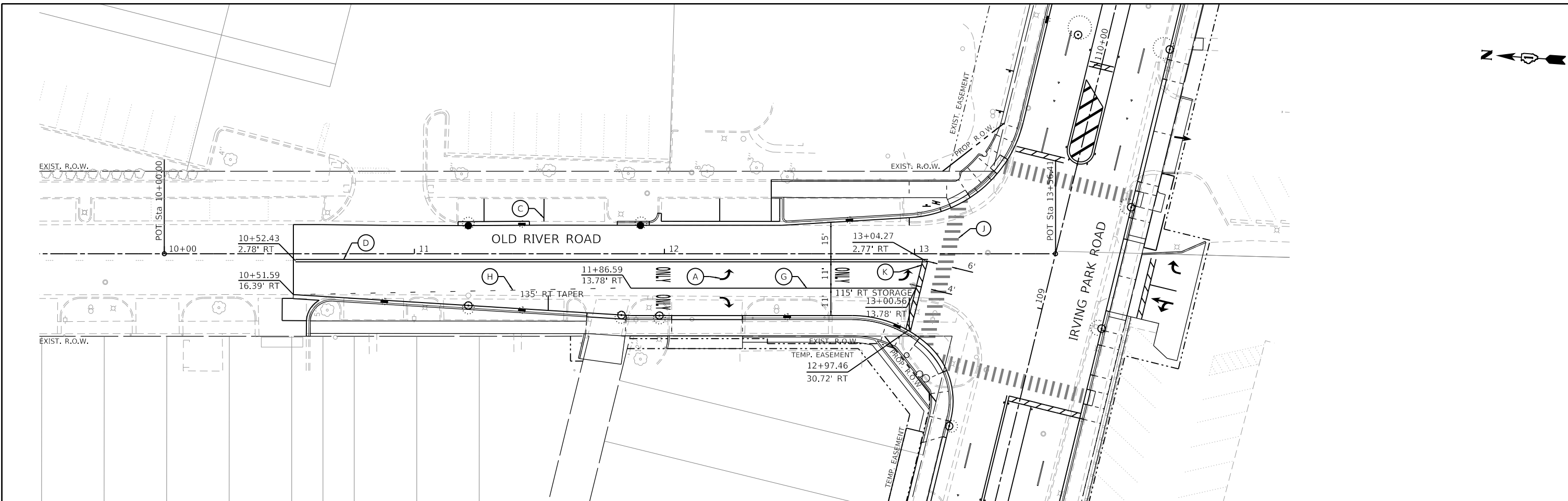
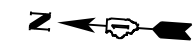
**PAVEMENT MARKING LEGEND**

- |  |  |   |
|--|--|---|
| (A) THERMOPLASTIC - LETTERS AND SYMBOLS                            | (F) THERMOPLASTIC - LINE 4" YELLOW SKIP-DASH (10' DASH - 30' SPACE)                      | (J) THERMOPLASTIC - LINE 12" SOLID WHITE (3' C-C) |
| (B) THERMOPLASTIC - LINE 4" SOLID YELLOW                           | (G) THERMOPLASTIC - LINE 6" SOLID WHITE  | (K) THERMOPLASTIC - LINE 24" SOLID WHITE          |
| (C) THERMOPLASTIC - LINE 4" SOLID WHITE                            | (H) THERMOPLASTIC - LINE 6" WHITE DOTTED (2' DASH - 6' SPACE)                            | ◀ ONE-WAY AMBER MARKER                            |
| (D) THERMOPLASTIC - LINE 4" DOUBLE YELLOW                          | (I) THERMOPLASTIC - LINE 12" SOLID YELLOW DIAGONAL (45°, 20' C-C UNLESS OTHERWISE NOTED) | ◁ ONE-WAY CRYSTAL MARKER (W/O)                    |
| (E) THERMOPLASTIC - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE) |  | ◆ TWO-WAY AMBER MARKER                            |

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		DATE - 7/26/2024	REVISED -

<b>PAVEMENT MARKING PLANS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS STA. 113+00 TO STA. 117+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61190	



**PAVEMENT MARKING LEGEND**

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>(A) THERMOPLASTIC - LETTERS AND SYMBOLS</li> <li>(B) THERMOPLASTIC - LINE 4" SOLID YELLOW</li> <li>(C) THERMOPLASTIC - LINE 4" SOLID WHITE</li> <li>(D) THERMOPLASTIC - LINE 4" DOUBLE YELLOW</li> <li>(E) THERMOPLASTIC - LINE 4" WHITE SKIP-DASH (10' DASH - 30' SPACE)</li> </ul> | <ul style="list-style-type: none"> <li>(F) THERMOPLASTIC - LINE 4" YELLOW SKIP-DASH (10' DASH - 30' SPACE)</li> <li>(G) THERMOPLASTIC - LINE 6" SOLID WHITE</li> <li>(H) THERMOPLASTIC - LINE 6" WHITE DOTTED (2' DASH - 6' SPACE)</li> <li>(I) THERMOPLASTIC - LINE 12" SOLID YELLOW DIAGONAL (45°, 20' C-C UNLESS OTHERWISE NOTED)</li> </ul> | <ul style="list-style-type: none"> <li>(J) THERMOPLASTIC - LINE 12" SOLID WHITE (3' C-C)</li> <li>(K) THERMOPLASTIC - LINE 24" SOLID WHITE</li> <li>◀ ONE-WAY AMBER MARKER</li> <li>◀ ONE-WAY CRYSTAL MARKER (W/O)</li> <li>◆ TWO-WAY AMBER MARKER</li> </ul> |
|---|---|---|

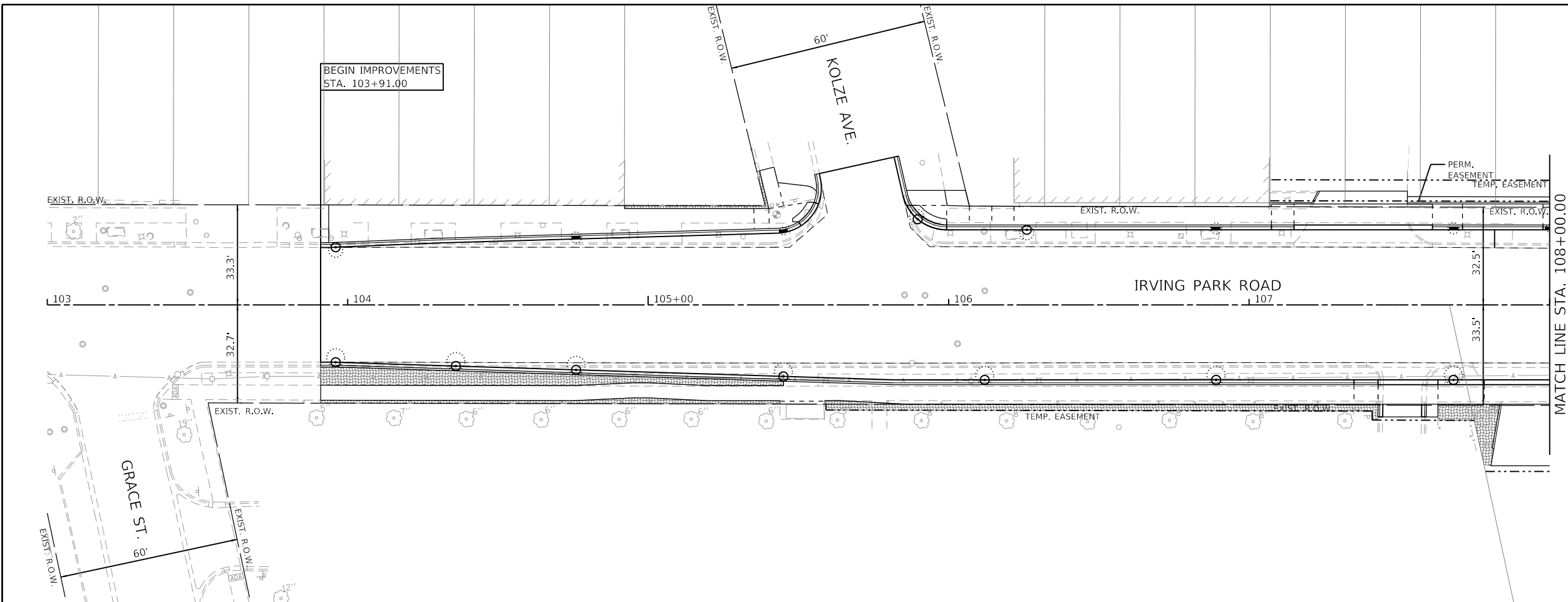
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

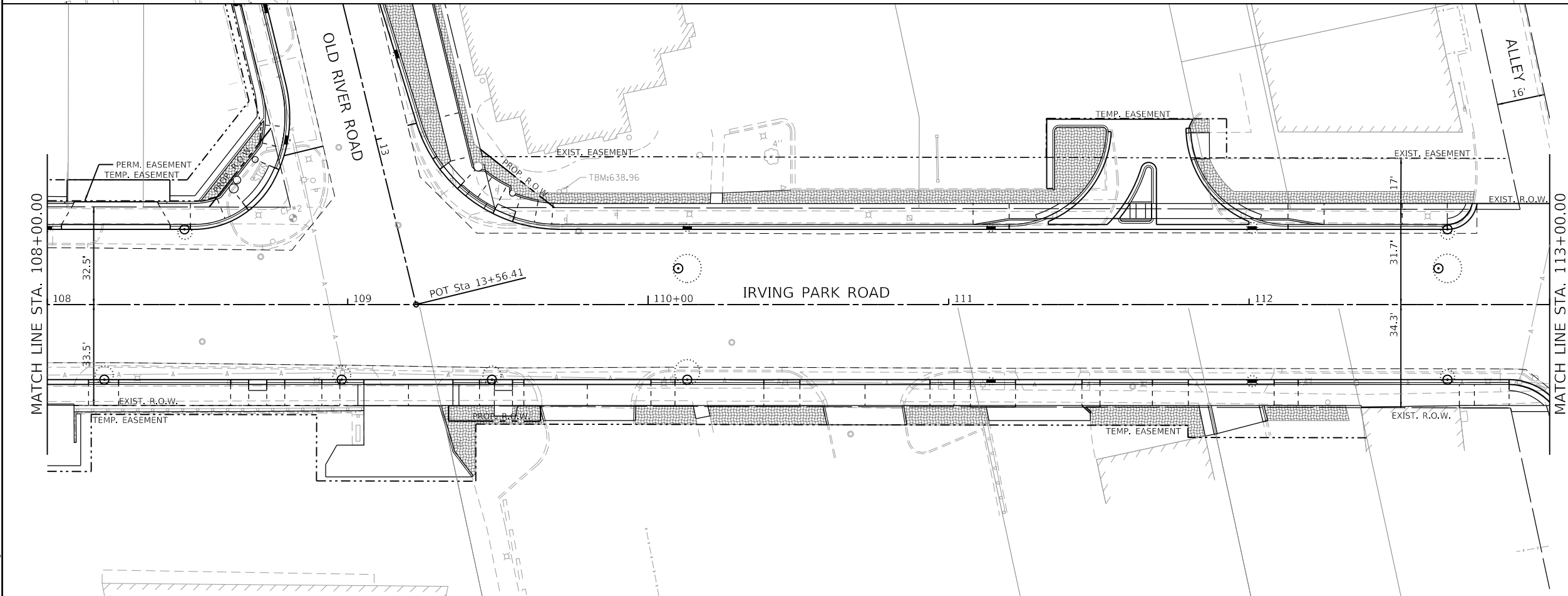
<b>PAVEMENT MARKING PLANS</b>			
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>			
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS	STA. 9+50	TO STA. 13+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	68
			CONTRACT NO. 6190	
		ILLINOIS FED. AID PROJECT		



**LEGEND**

- TOPSOIL FURNISH AND PLACE, 4"
- NITROGEN FERTILIZER NUTRIENT
- PHOSPHORUS FERTILIZER NUTRIENT
- POTASSIUM FERTILIZER NUTRIENT
- SODDING, SALT TOLERANT
- SUPPLEMENTAL WATERING



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

MODEL: Default  
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USER NAME = D01esak  
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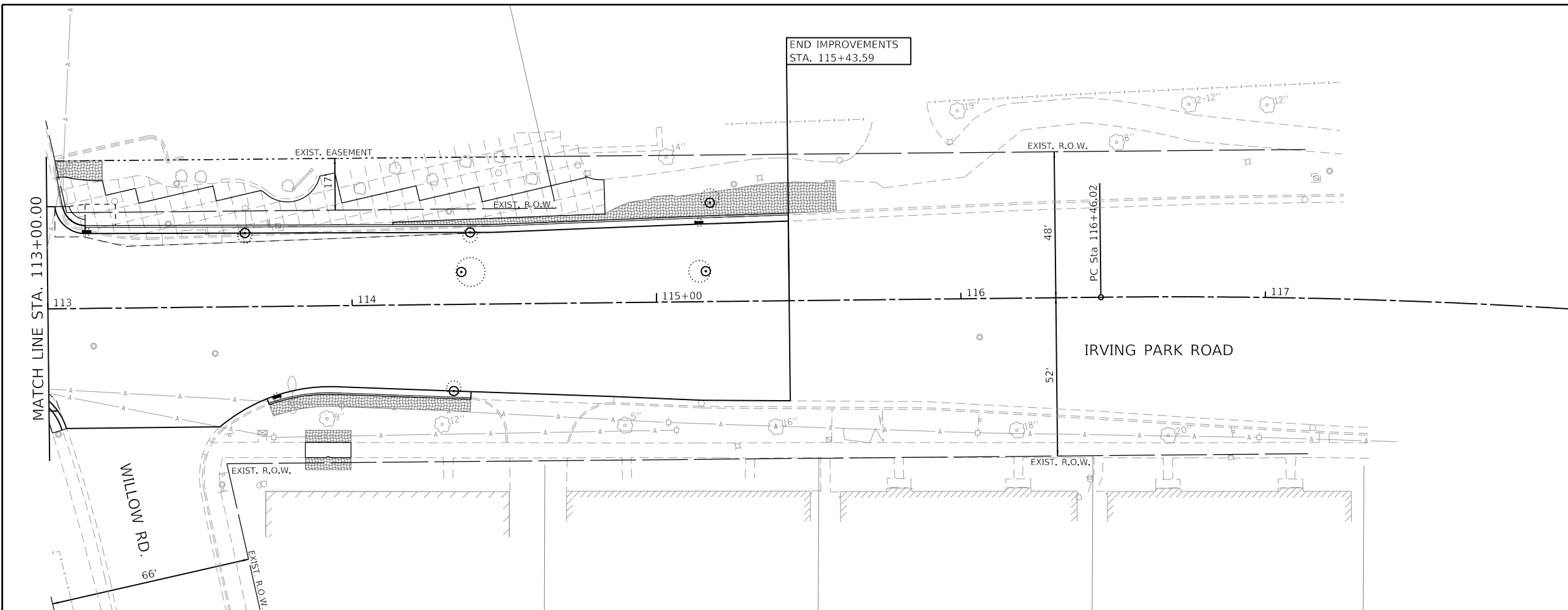
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CHECKED - KLB	REVISED -
DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**  
**IRVING PARK ROAD - SCHILLER PARK, IL**

SCALE: 1"=20'    SHEET 1 OF 3 SHEETS    STA. 103+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	69
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	



**LEGEND**

	TOPSOIL FURNISH AND PLACE, 4"
	NITROGEN FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	SODDING, SALT TOLERANT
	SUPPLEMENTAL WATERING

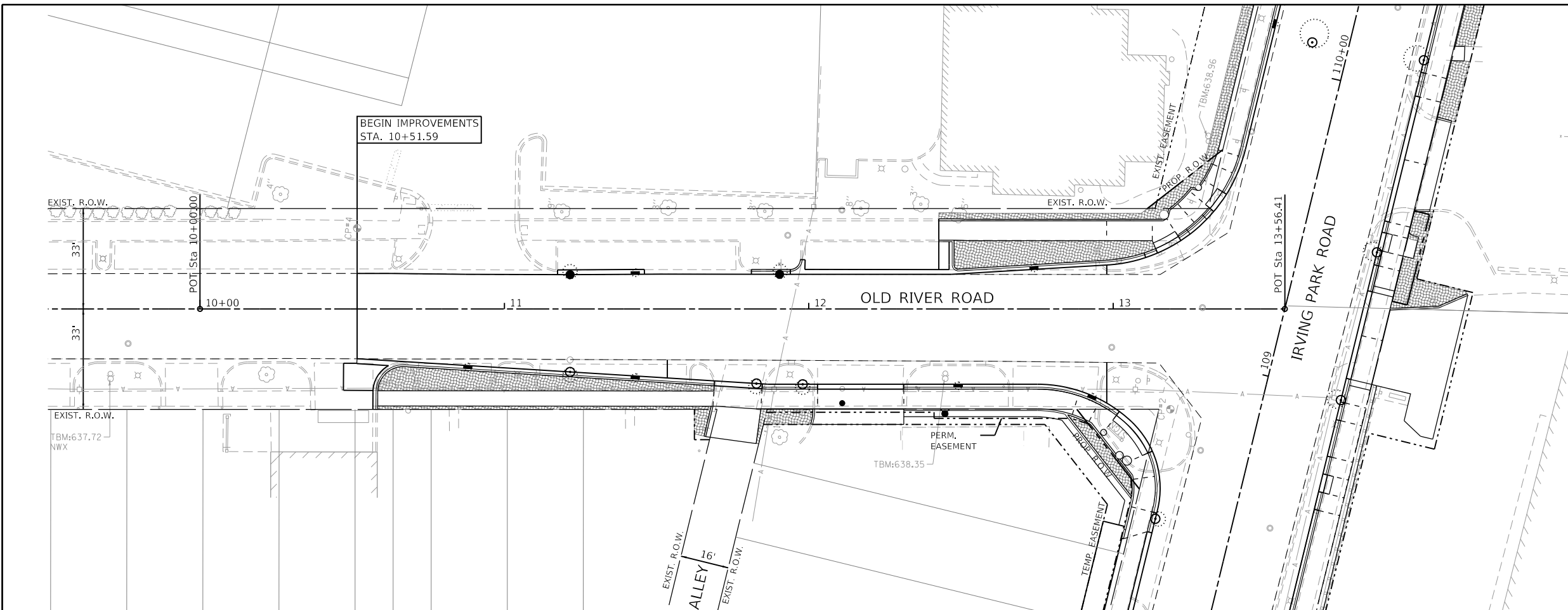
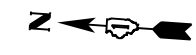
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING PLANS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS
STA. 113+00	TO STA. 117+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	70
CONTRACT NO.			61190	
ILLINOIS		FED. AID PROJECT		



**LEGEND**

	TOPSOIL FURNISH AND PLACE, 4"
	NITROGEN FERTILIZER NUTRIENT
	PHOSPHORUS FERTILIZER NUTRIENT
	POTASSIUM FERTILIZER NUTRIENT
	SODDING, SALT TOLERANT
	SUPPLEMENTAL WATERING

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
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Default	PLOT DATE = 7/25/2024	CHECKED - KLB	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING PLANS</b>			
<b>OLD RIVER ROAD - SCHILLER PARK, IL</b>			
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS	STA. 9+50	TO STA. 13+50

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 71
CONTRACT NO. 61190				
ILLINOIS FED. AID PROJECT				





# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

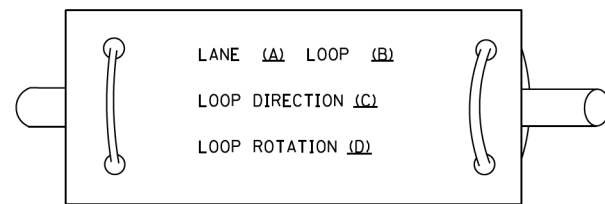
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F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 73
TS-05		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				

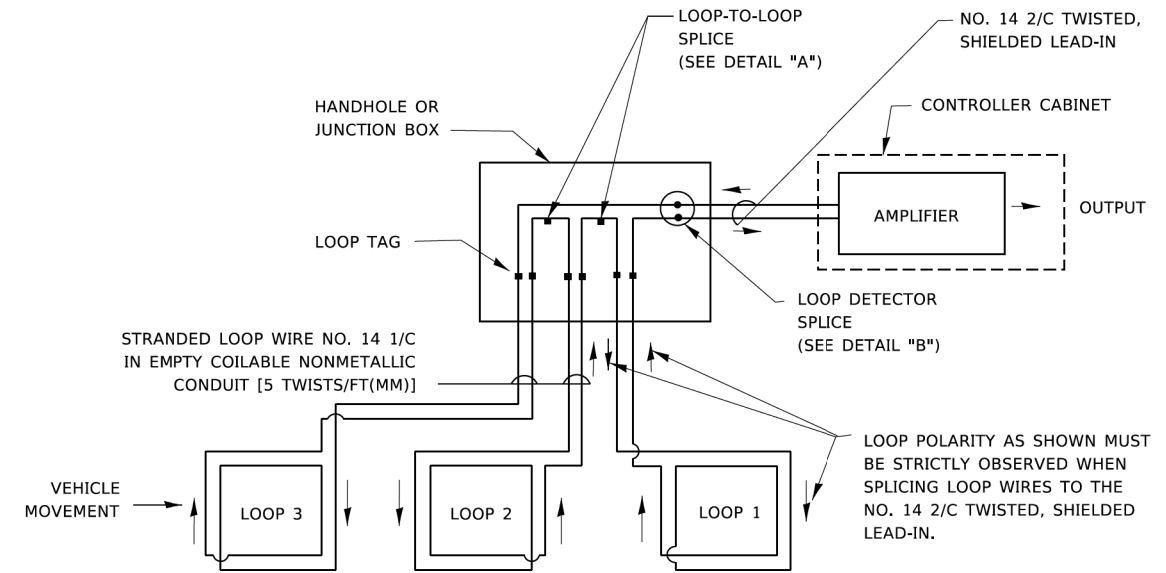
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

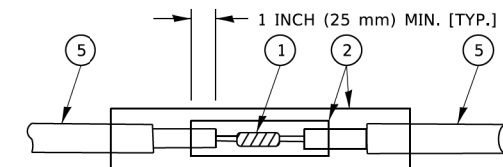


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

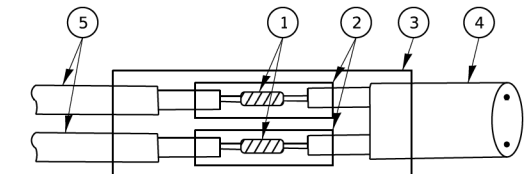


**DETECTOR LOOP WIRING SCHEMATIC**

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

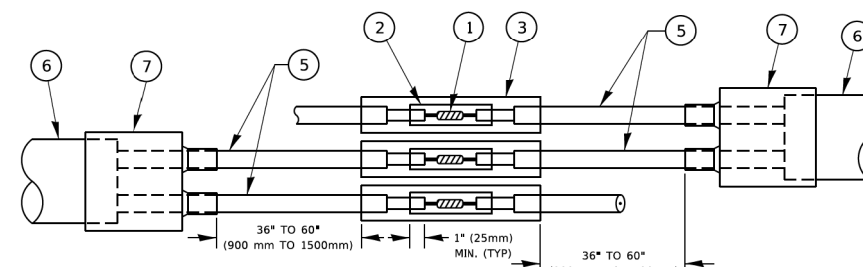


DETAIL "A"  
LOOP-TO-LOOP SPLICE

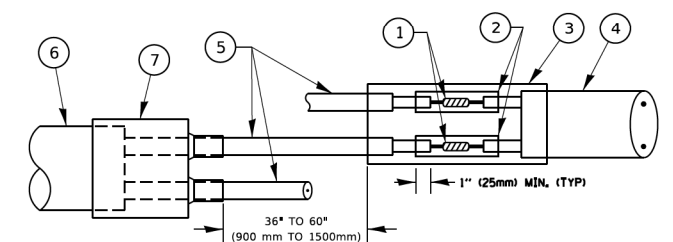


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

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

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

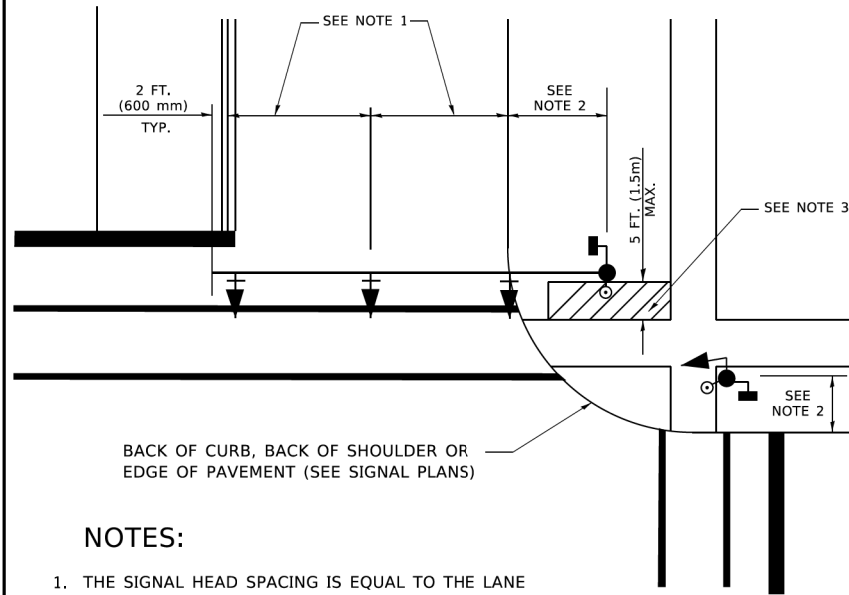
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 74
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**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

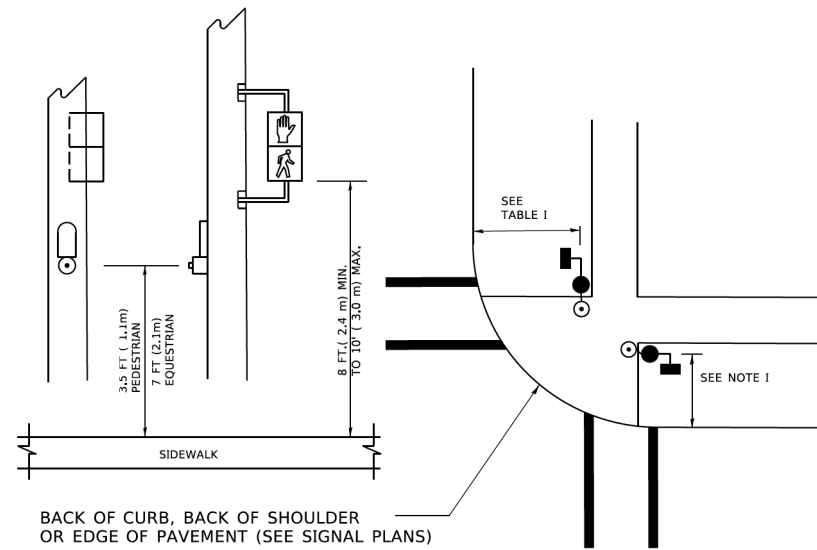
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

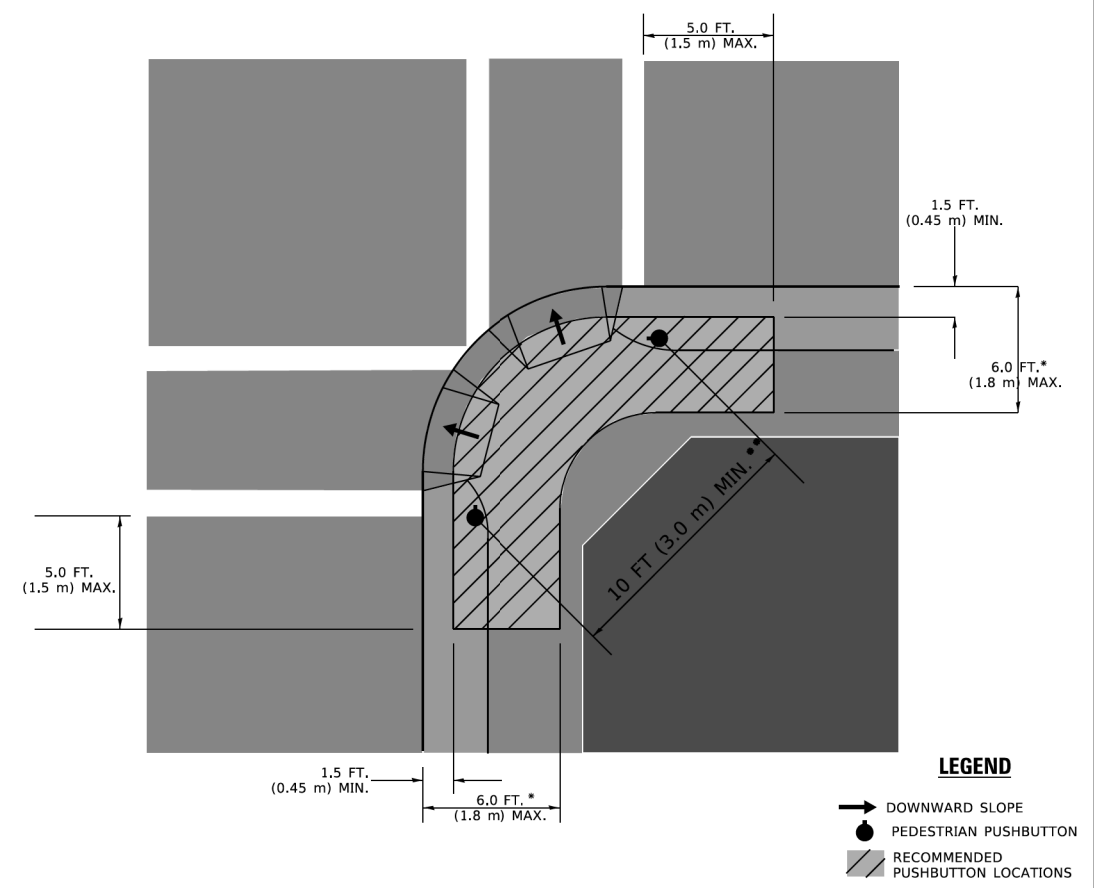
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

\* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

\*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

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

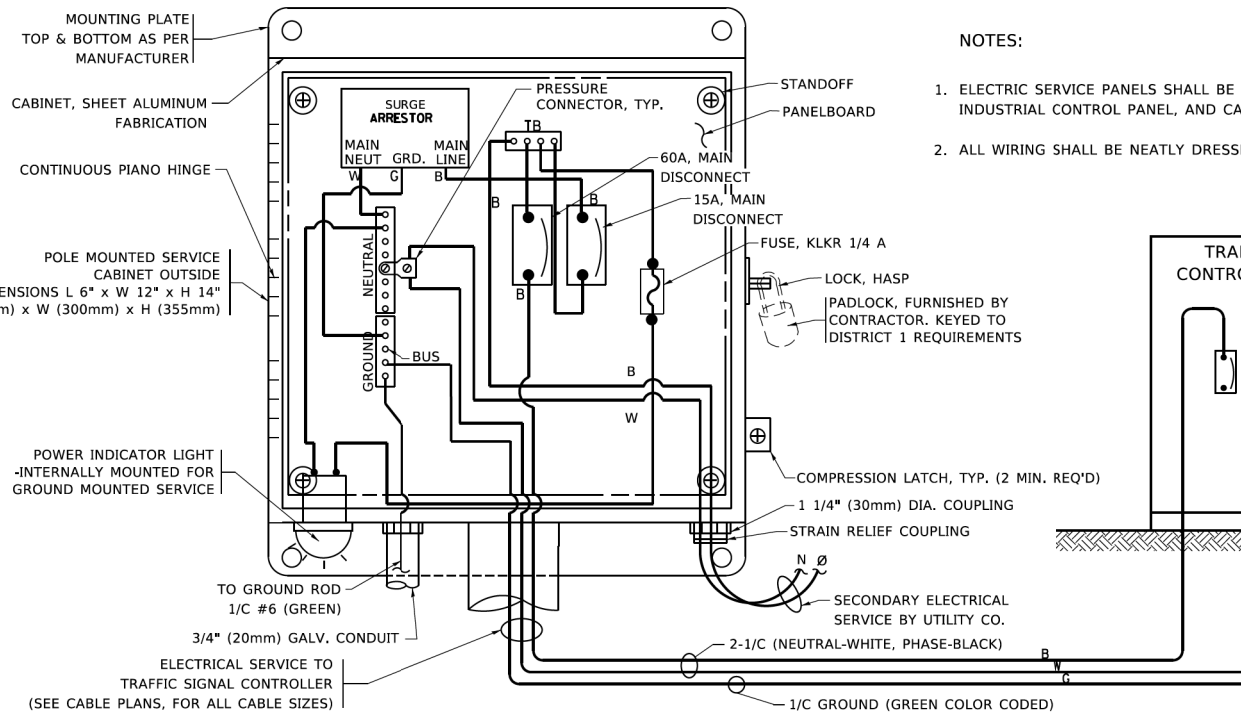
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

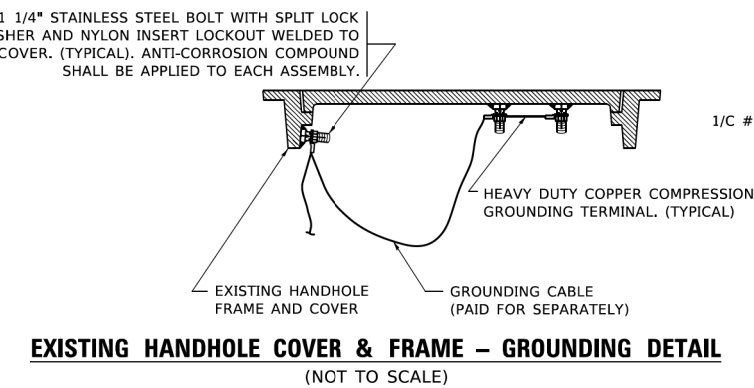
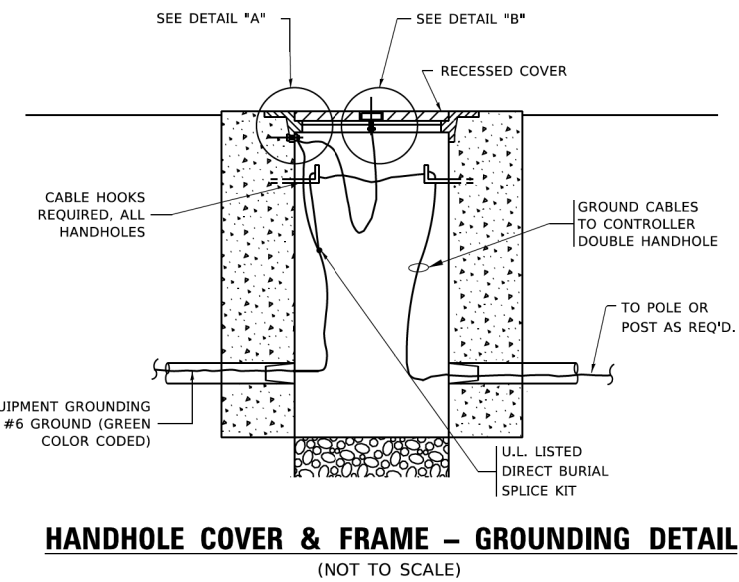
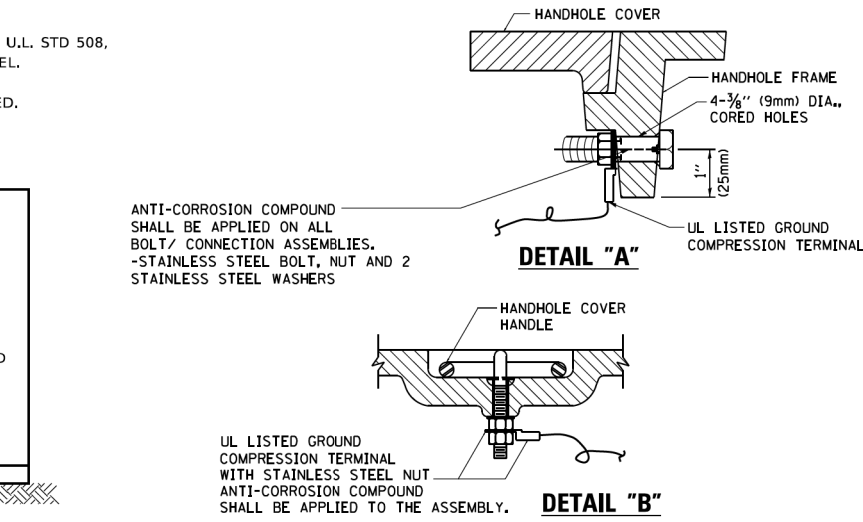
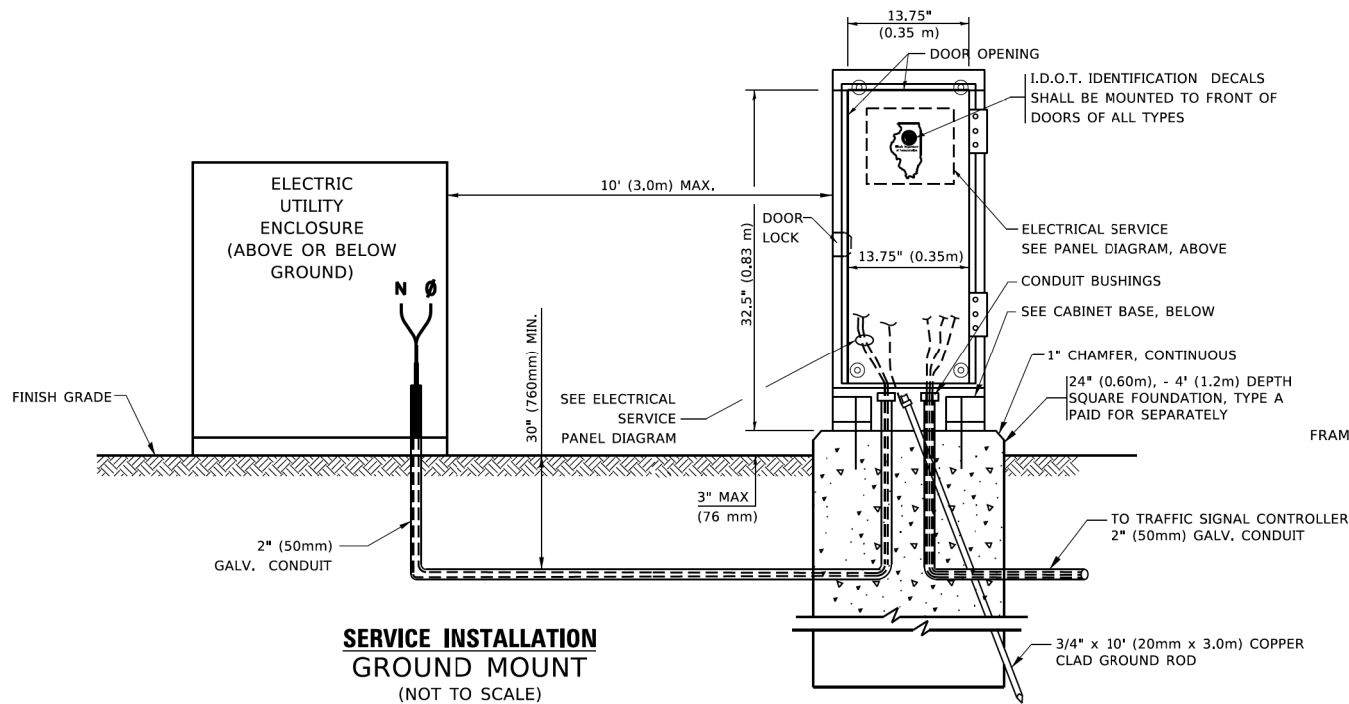
**NOTES:**

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

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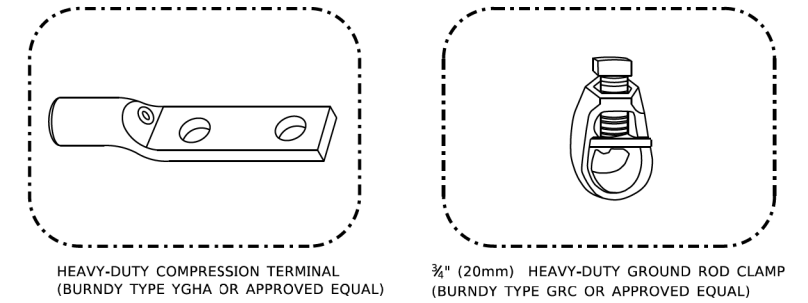


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



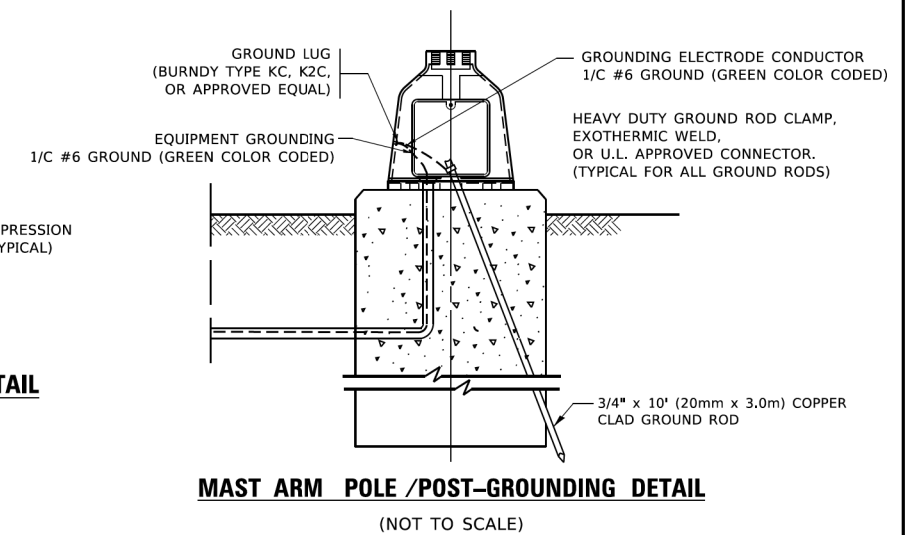
**NOTES:**  
**GROUNDING SYSTEM**

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



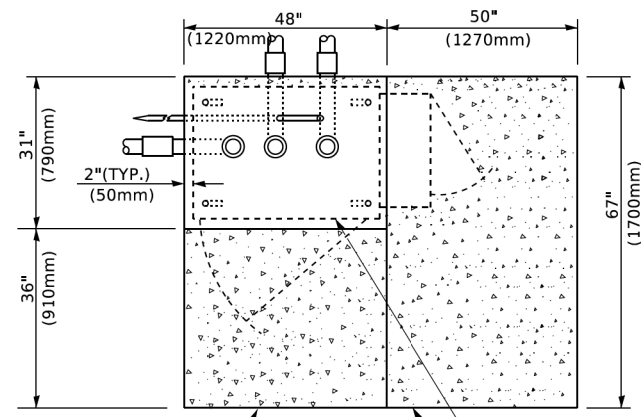
**NOTES:**

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

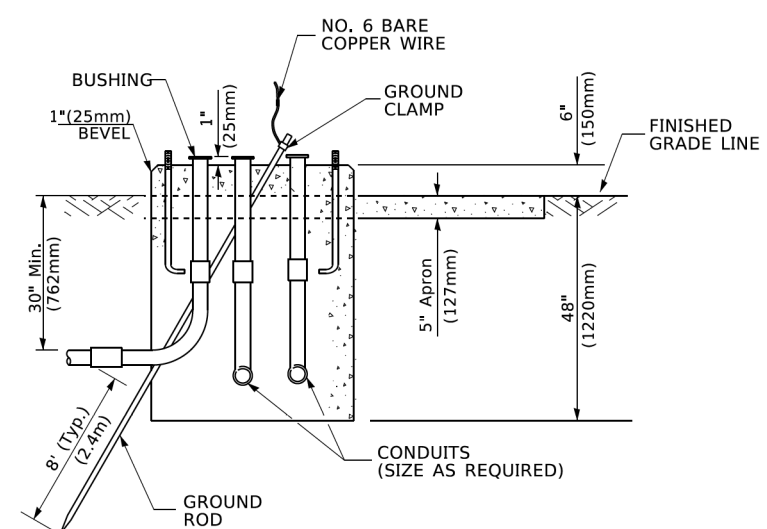


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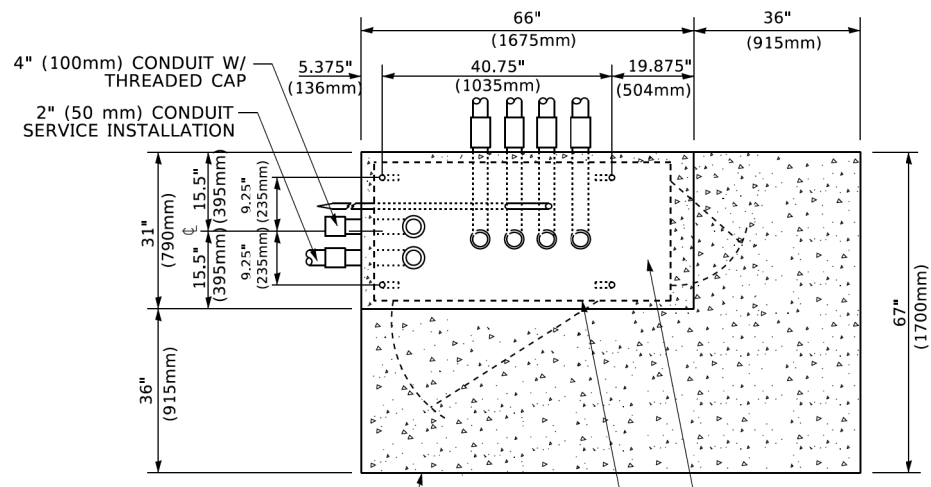
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		ILLINOIS / FED. AID PROJECT		



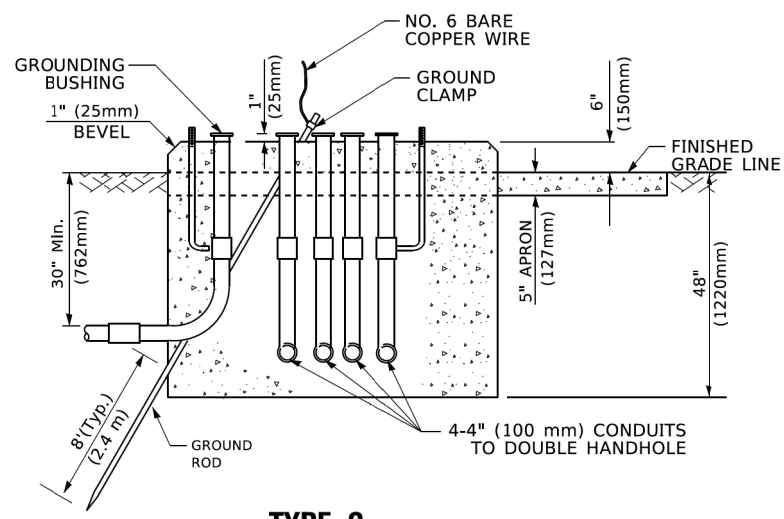
**TOP VIEW**



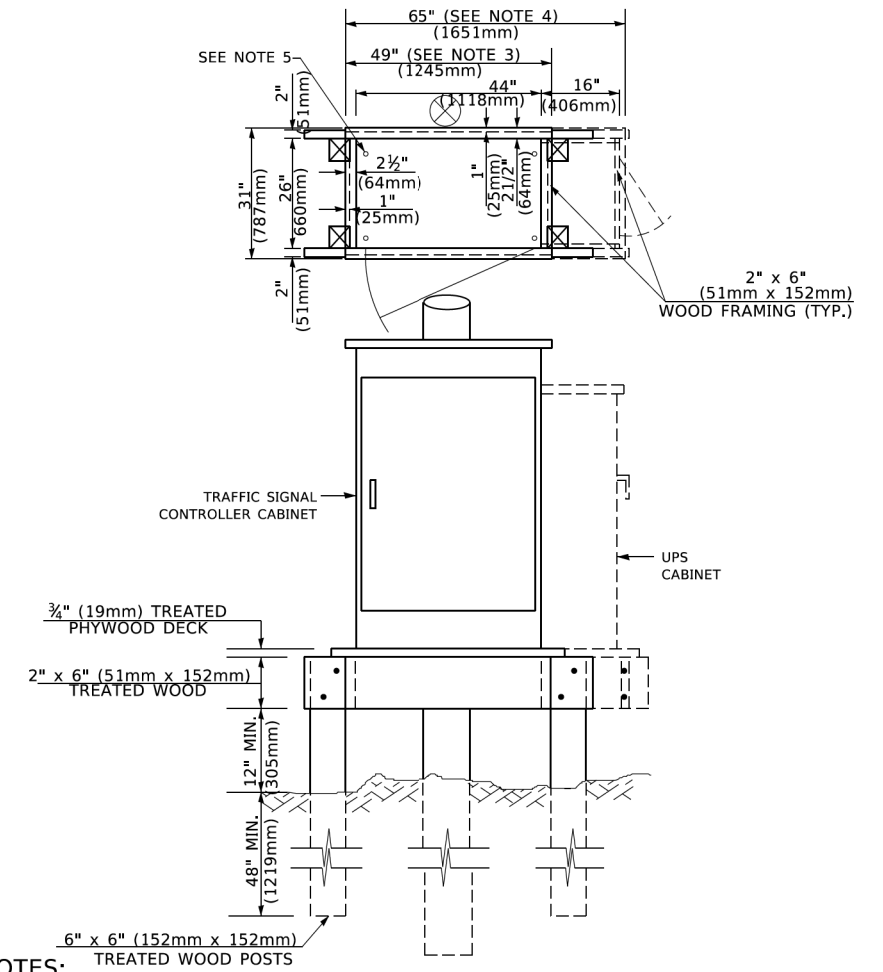
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**TOP VIEW**



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

**GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 6**

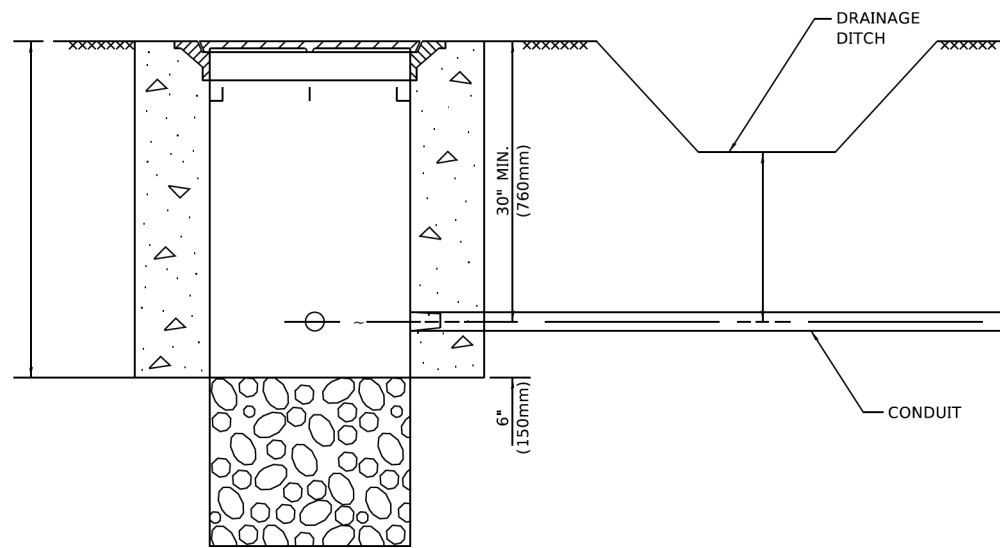
MODEL: Default; FILE NAME: p:\work\BENTLEY\TEC\Illinois\gov\WIDOT\Documents\DOT Offices\District 1\Projects\Dist1\S273-21\CADD\Detail\CAD\sheet\ts05.dgn

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

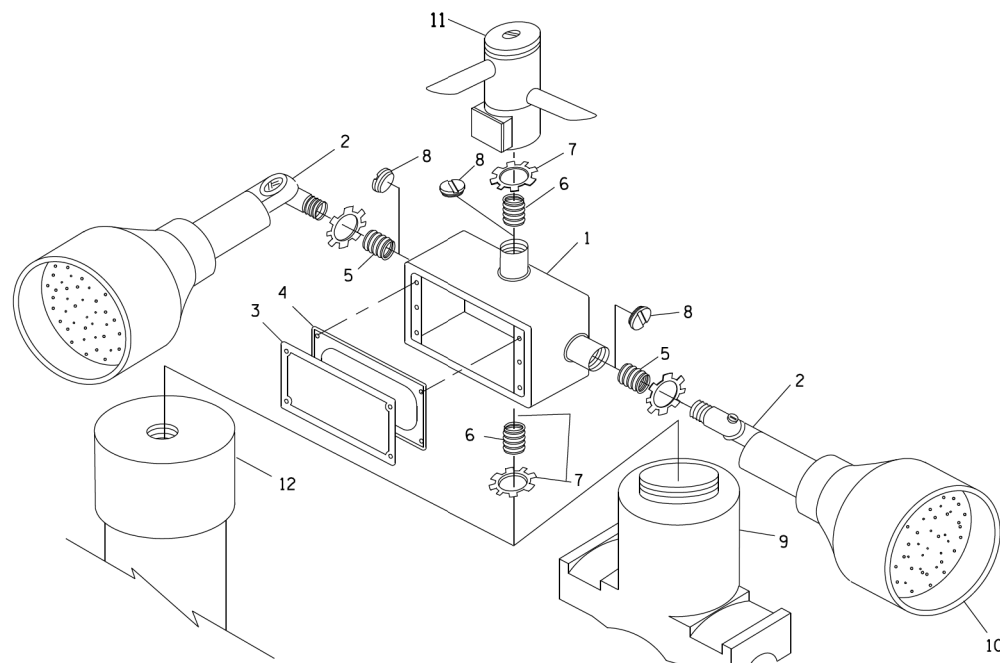
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	77
<b>TS-05</b>		CONTRACT NO. 61J90		
ILLINOIS / FED. AID PROJECT				



**NOTES:**

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

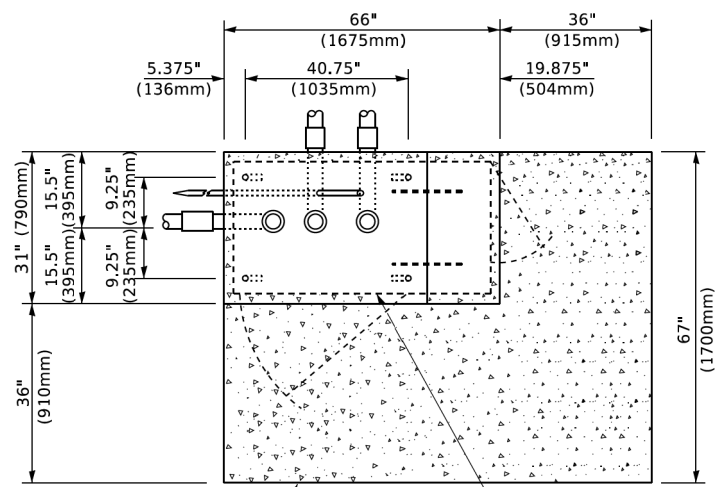
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



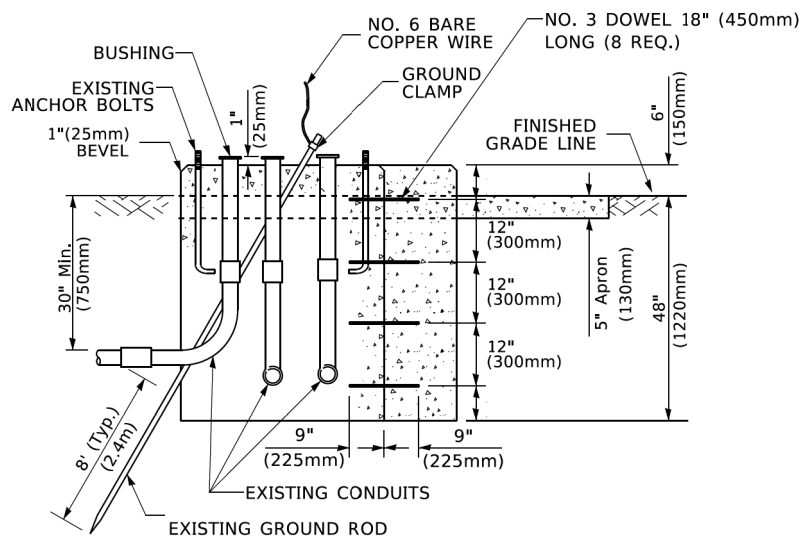
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW (NOT TO SCALE)**

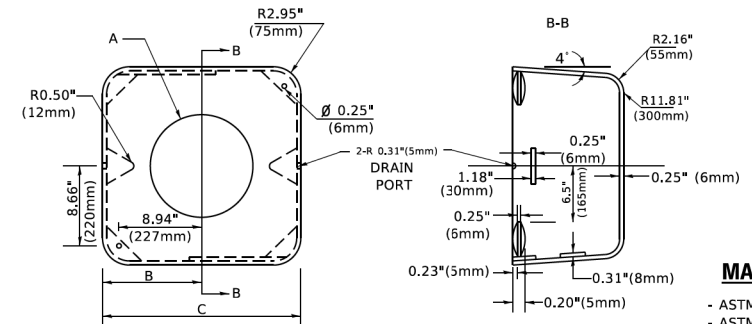


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

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



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

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

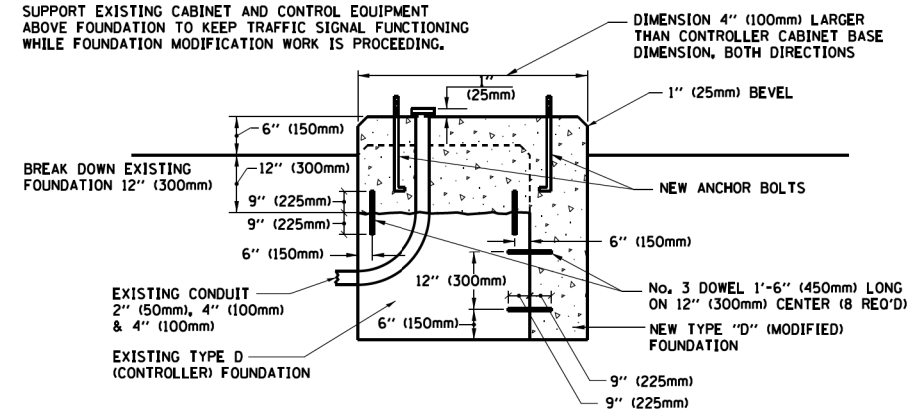
**SHROUD**

**NOTES:**

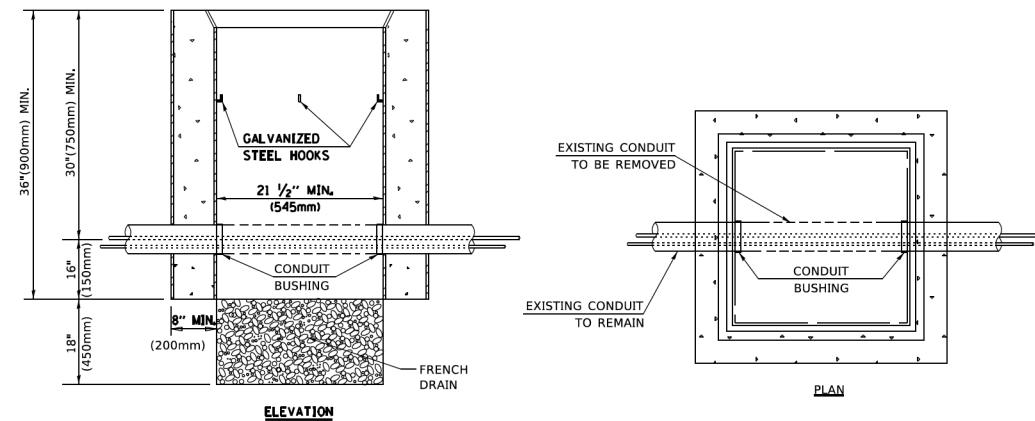
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

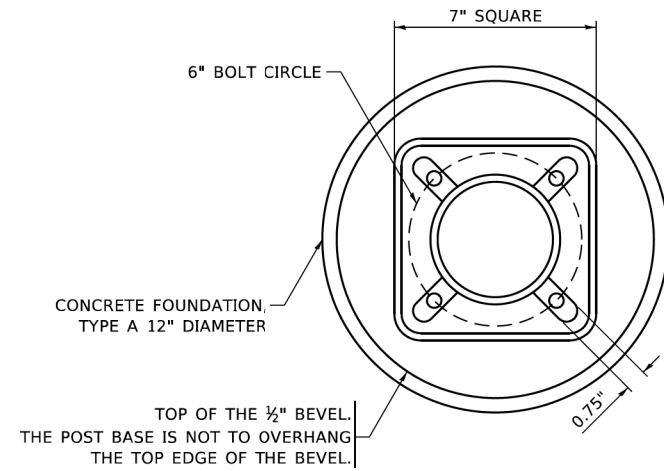
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	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

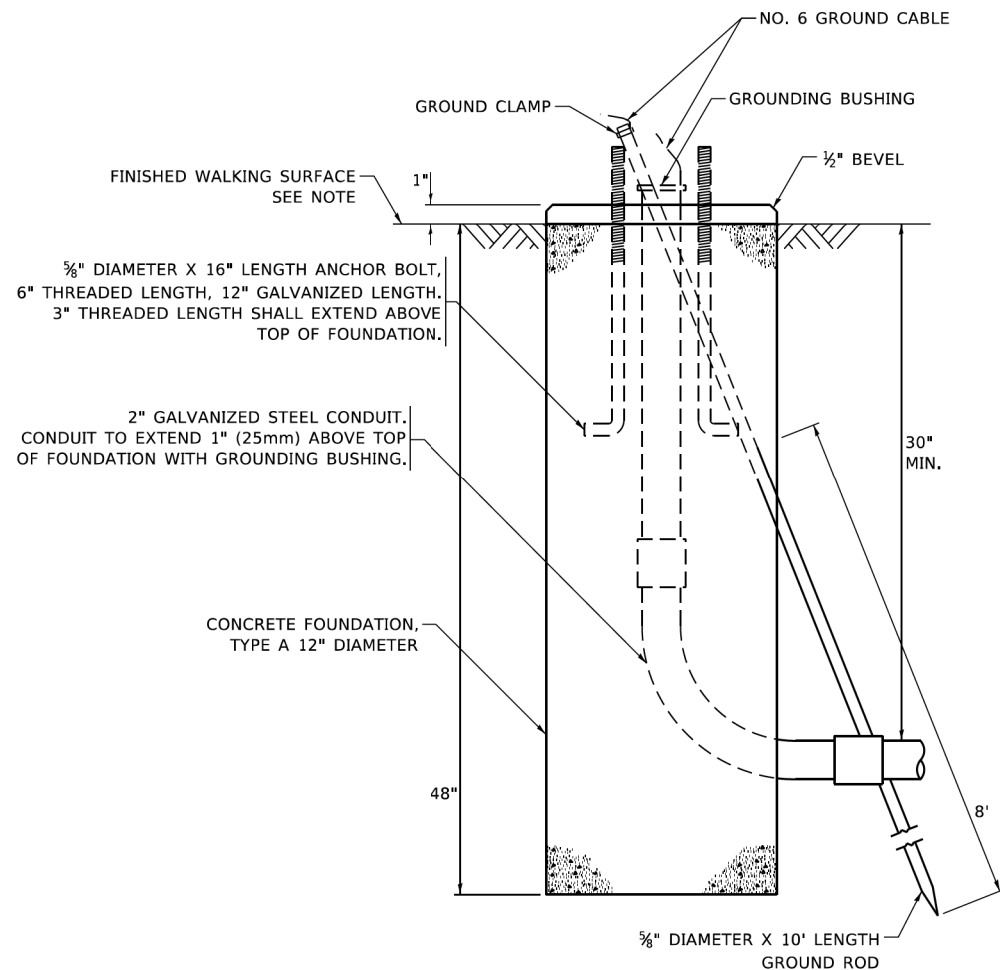
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	78
<b>TS-05</b>		CONTRACT NO.	6190	
ILLINOIS / FED. AID PROJECT				



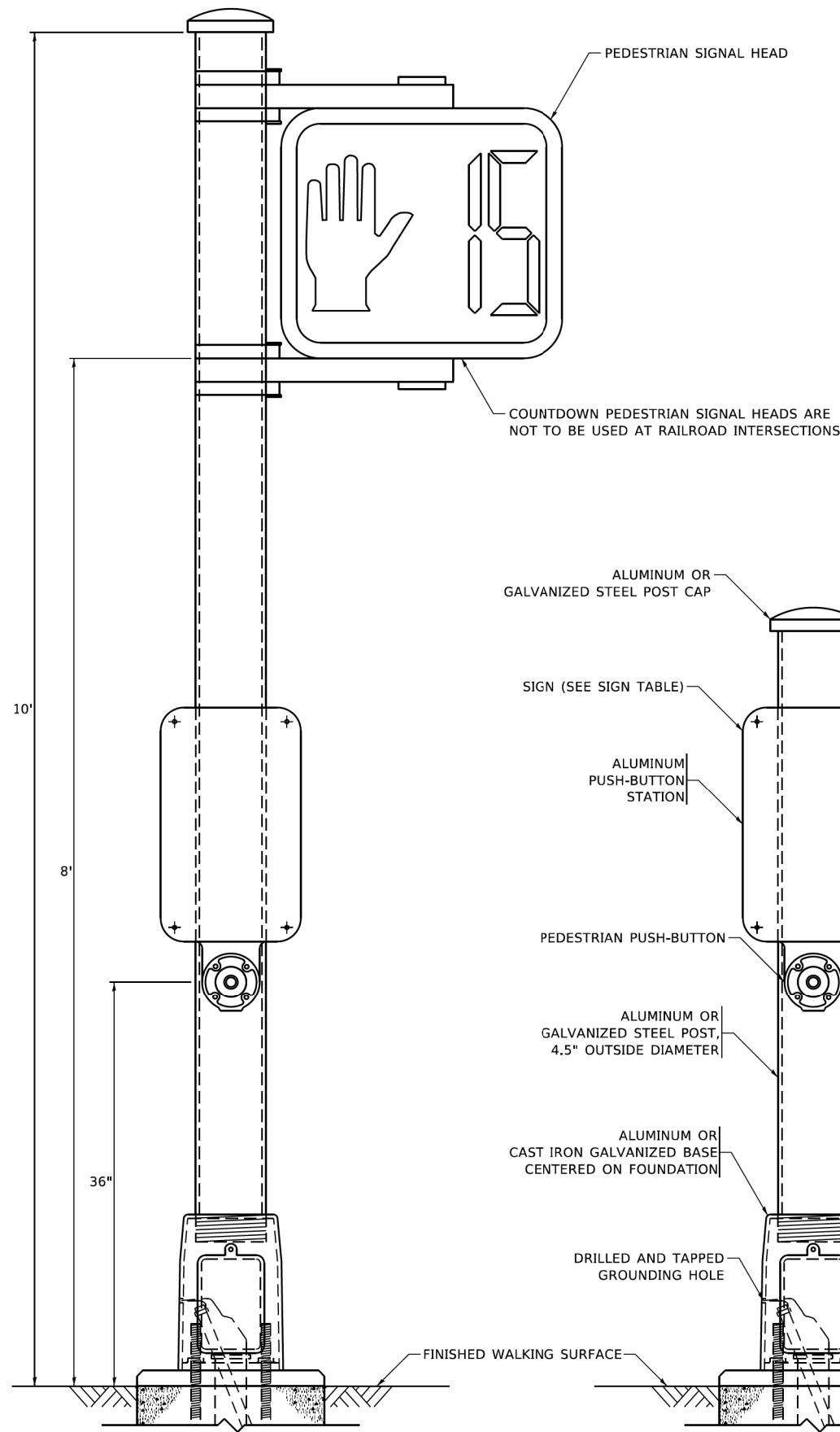
**BOLT PATTERN**

**NOTE:**

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

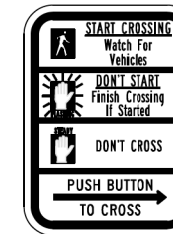


**CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER**

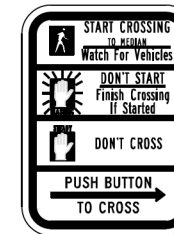


**PEDESTRIAN SIGNAL POST, 10 FT.**

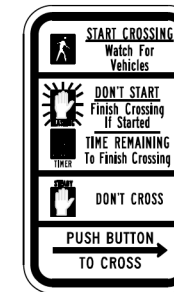
**PEDESTRIAN SIGNAL POST, 5 FT.**



**R10-3b**



**R10-3d**



**R10-3e**

**SIGN TABLE**

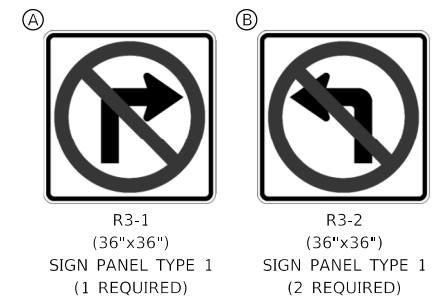
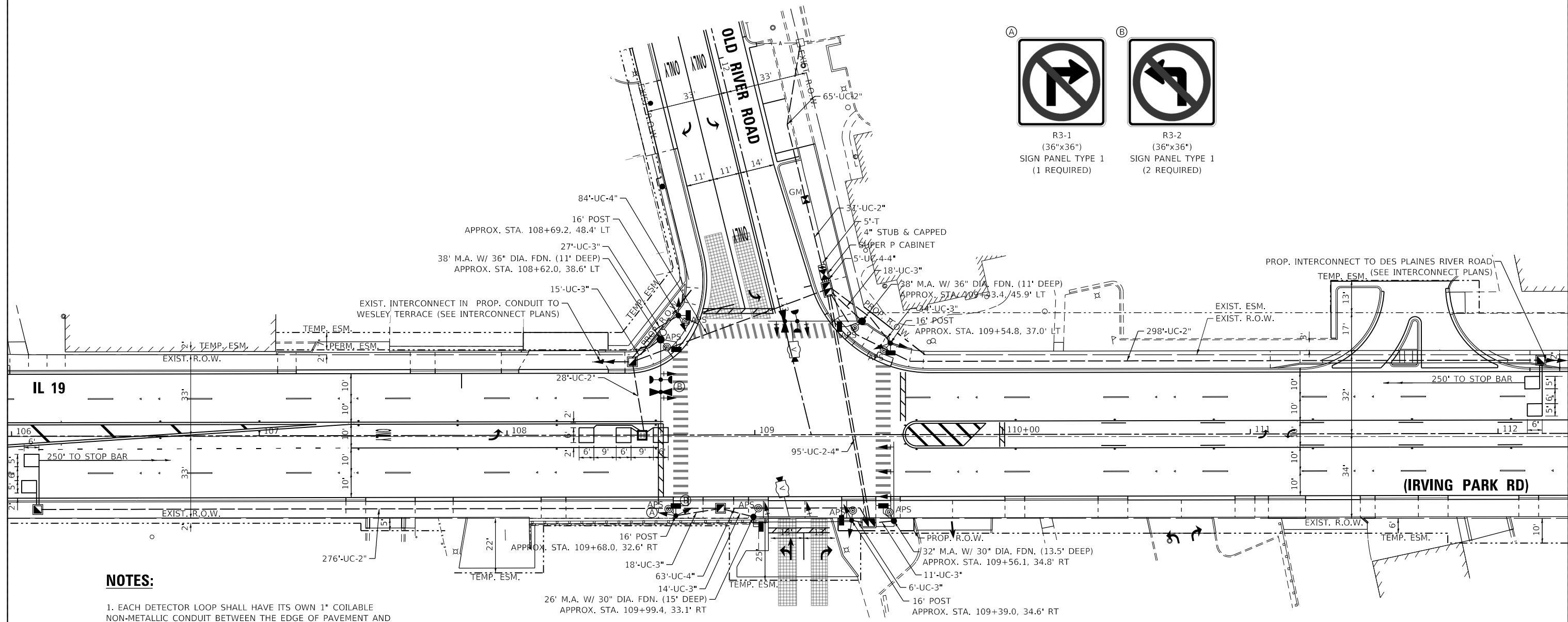
SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

**NOTES:**

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

USER NAME = gagllanrbt	DESIGNED - IP	REVISED - 10-15-2020
PLOT SCALE = 100.0000' / in.	DRAWN - IP	REVISED -
PLOT DATE = 11/23/2020	CHECKED - LP	REVISED -
	DATE - 10-15-2018	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	79
<b>TS-05</b>		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
3. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS SHALL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. SNOW CONE LENS COVERS SHALL BE INSTALLED ON ALL RED LIGHT LENSES.

**GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 9**  
MODEL: Default  
 FILE: 4999-shl-TS-Perm.dgn

FILE NAME = 4999-shl-TS-Perm.dgn	USER NAME = D0hesak	DESIGNED - RJH	REVISED -
4999.1	PLOT SCALE = 1:40	DRAWN - ZCW	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - RJH	REVISED -
		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
 IL 19 (IRVING PARK RD) AT OLD RIVER ROAD**

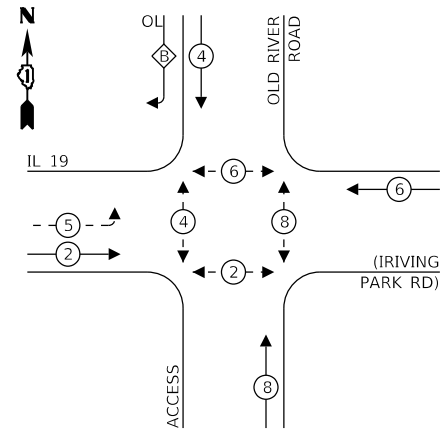
SCALE: 1"=20'    SHEET OF SHEETS    STA. TO STA.

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 80
			CONTRACT NO. 6190	
ILLINOIS FED. AID PROJECT				

**TS#1973  
 EAGLE 2K**



**PROPOSED CONTROLLER SEQUENCE**



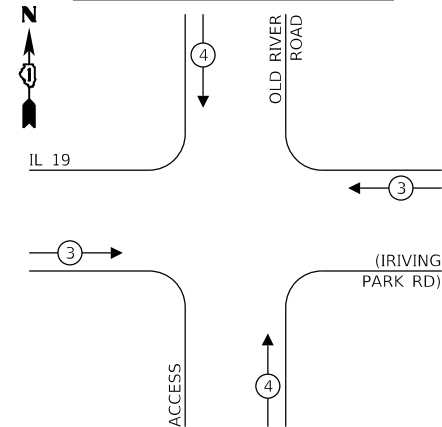
**LEGEND:**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER B = PERMISSIVE PHASE 4 + PROTECTED PHASE 5

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



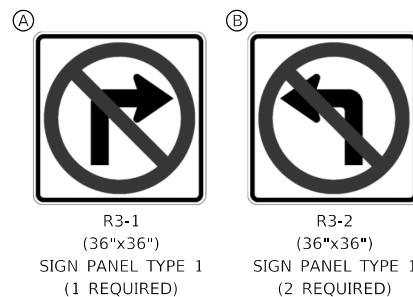
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3-SECTION	13	11	143
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION	RADAR	-	20	-
	VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH (II OR III)	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL FOR UPS =			530	
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL FOR SERVICE =			1,135	

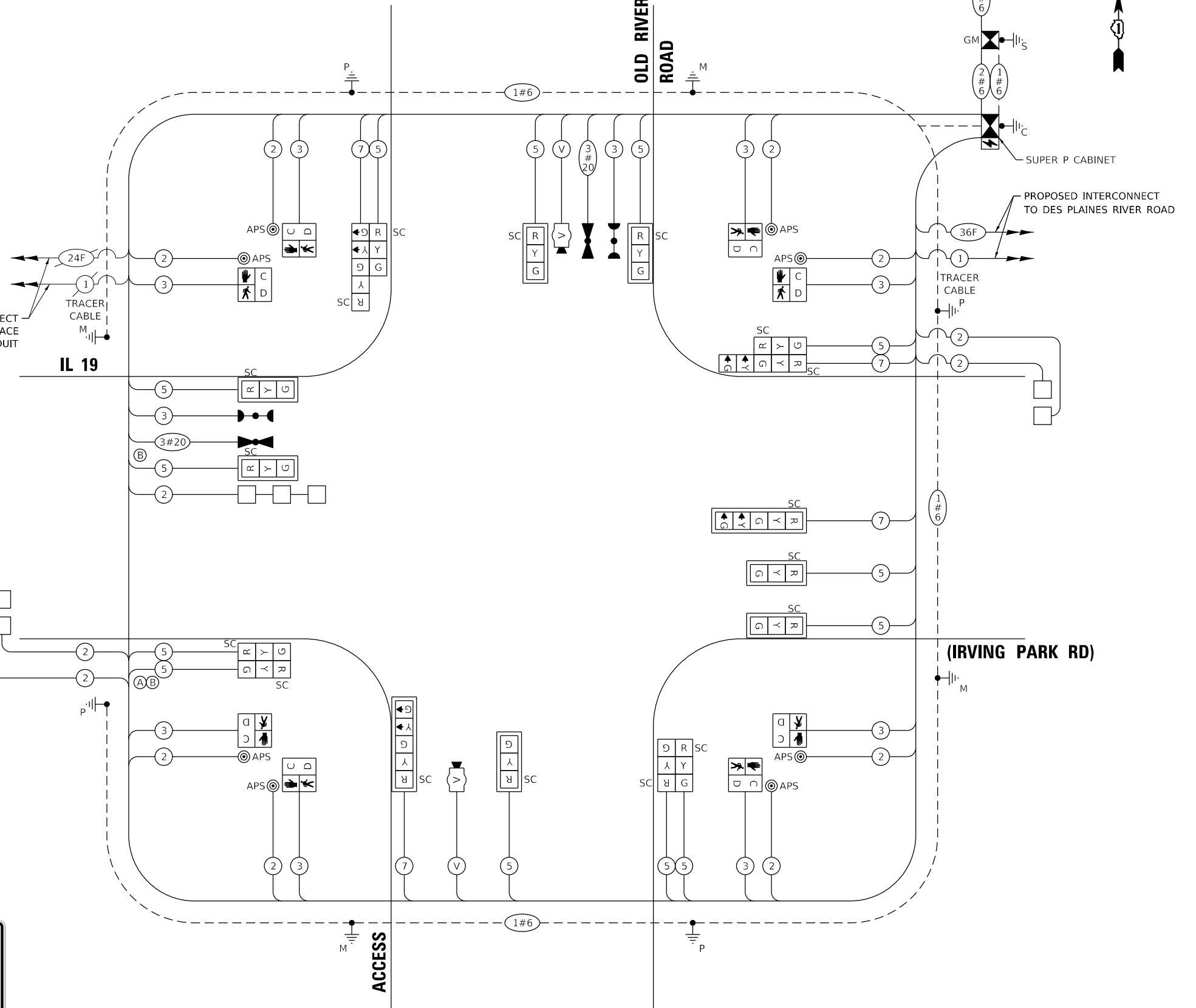
ENERGY COSTS TO:

VILLAGE OF SCHILLER PARK  
9526 W. IRVING PARK ROAD  
SCHILLER PARK, IL 60176

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.  
PHONE: (866) 639-3532  
COMPANY: COM-ED  
ACCOUNT NUMBER: 3148170122



EXIST. INTERCONNECT TO WESLEY TERRACE IN PROP. CONDUIT



**CABLE PLAN**  
(NOT TO SCALE)

**GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 10**

MODEL: Default  
 FILE: 4999-sht-TS-Cable-Perm.dgn

FILE NAME =	USER NAME = D0hesak	DESIGNED - RJH	REVISED -
4999-sht-TS-Cable-Perm.dgn		DRAWN - ZCW	REVISED -
4999.1		CHECKED - RJH	REVISED -
Default		DATE - 7/25/2024	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL 19 (IRVING PARK RD) AT OLD RIVER ROAD**

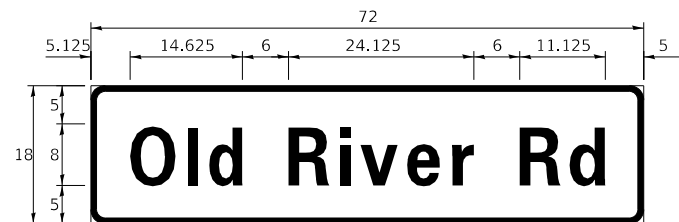
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	81
				CONTRACT NO. 6190
ILLINOIS FED. AID PROJECT				

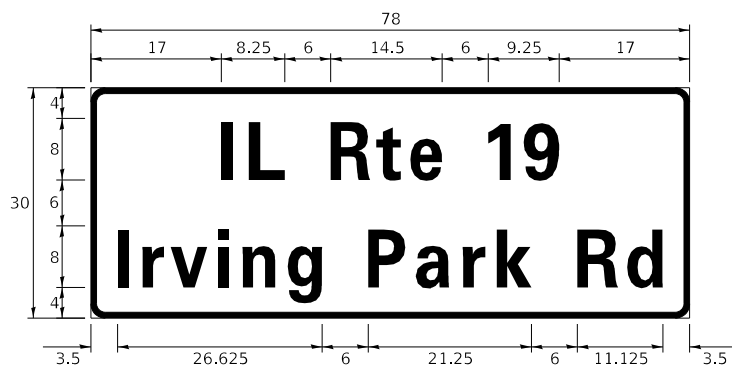
**TS#1973 EAGLE 2K**

**SIGN PANEL – TYPE 1 OR TYPE 2**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	16.25	2	ZZ	2

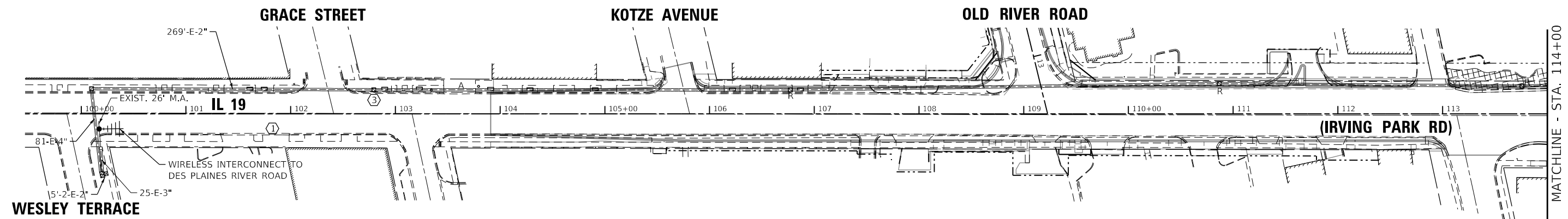
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

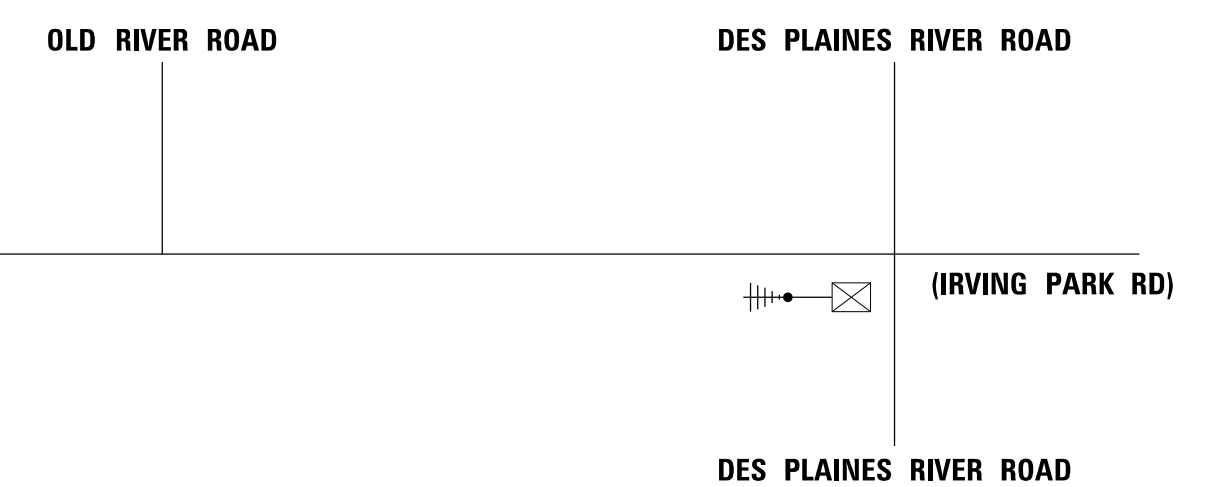
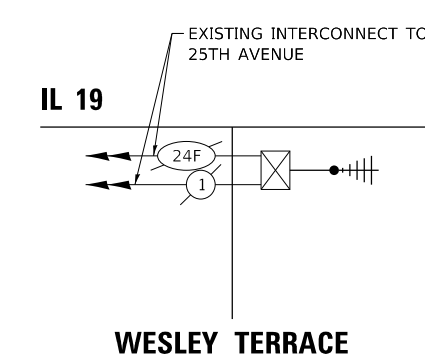
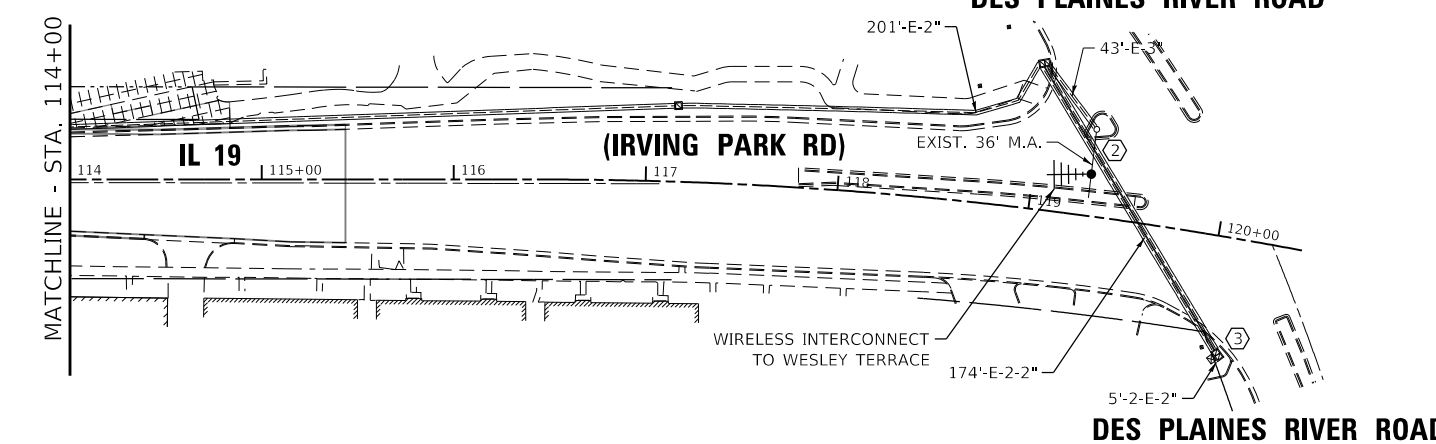
ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	45.5
SIGN PANEL - TYPE 2	SQ FT	32.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	698
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	143
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	362
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,174
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,507
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,176
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	695
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,777
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	126
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	568
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	28.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	230
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	277
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
LED SIGNAL FACE, LENS COVER	EACH	17

FILE NAME = 4999-sht-TS-Signage.dgn	USER NAME = DOlesak	DESIGNED - RJH	REVISED -
4999.1	PLOT SCALE = 1:40	DRAWN - ZCW	REVISED -
Default	PLOT DATE = 7/25/2024	CHECKED - RJH	REVISED -
		DATE - 7/26/2024	REVISED -

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 82
			CONTRACT NO. 6190	
		ILLINOIS	FED. AID PROJECT	



- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL INSTALL A WIRELESS INTERCONNECT ON AN EXISTING MAST ARM AT IL 19 (IRVING PARK RD) AND WESLEY TERRACE. ALL TEMPORARY INTERCONNECT COMPONENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF "TEMPORARY WIRELESS INTERCONNECT, COMPLETE".
  - ② THE CONTRACTOR SHALL INSTALL A WIRELESS INTERCONNECT ON EXISTING MAST ARM AT IL 19 (IRVING PARK RD) AND DES PLAINES RIVER ROAD. ALL TEMPORARY INTERCONNECT COMPONENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF "TEMPORARY WIRELESS INTERCONNECT, COMPLETE".
  - ③ THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK FROM THE EXISTING CABINET AT IL 19 (IRVING PARK RD) AND DES PLAINES RIVER ROAD TO THE EXISTING HANDHOLE AT APPROX. STA. 102+79.3. ALL WORK REQUIRED TO PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK TO THE HANDHOLE AND THEN BACK TO THE NEW TRAFFIC CABINET AT IL 19 (IRVING PARK RD) AND OLD RIVER ROAD SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".



**GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 12**  
MODEL: Int Temp  
 FILE NAME: 4999-sht-TS-Perm.dgn

FILE NAME = 4999-sht-TS-Perm.dgn	USER NAME = D0hesak	DESIGNED - RJH	REVISED -
4999.1	PLOT SCALE = 1:100	DRAWN - ZCW	REVISED -
Int Temp	PLOT DATE = 7/25/2024	CHECKED - RJH	REVISED -
		DATE - 7/26/2024	REVISED -

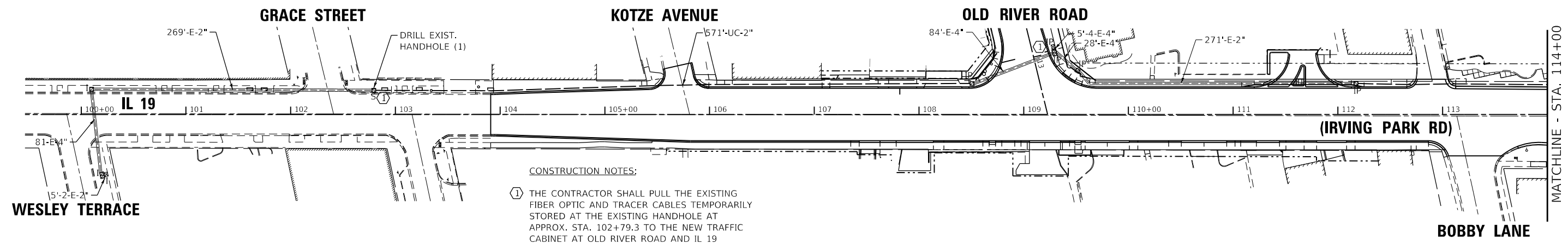
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN AND SCHEMATIC - EAGLE 2K  
 IL 19 (IRVING PARK RD) - WESLEY TERRACE TO DES PLAINES RIVER RD**

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

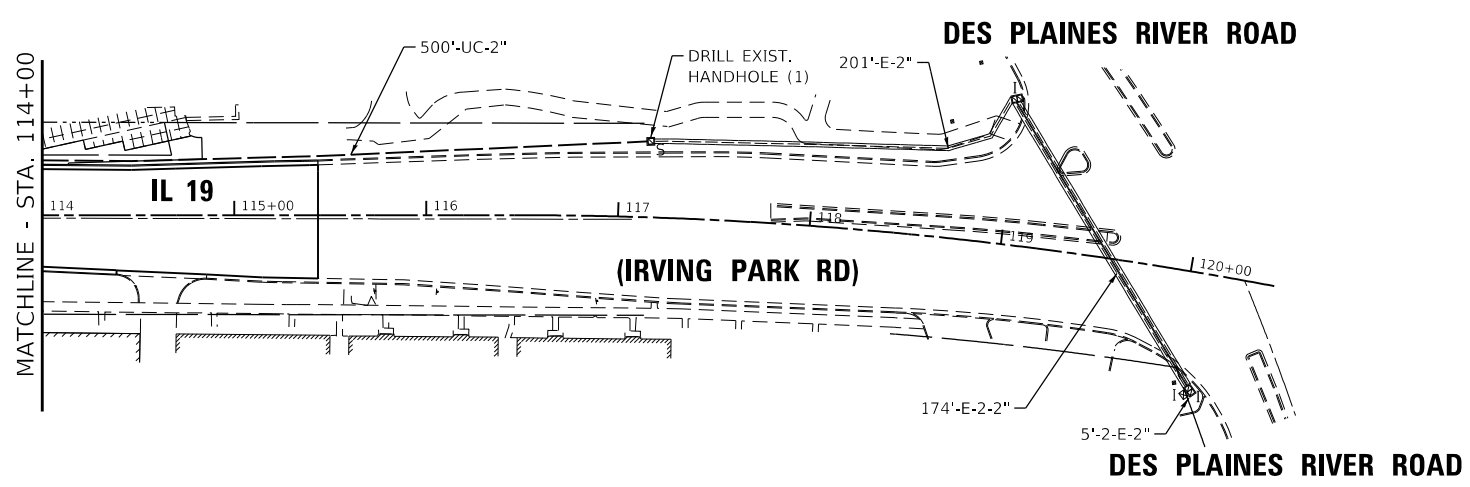
F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 83
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

**EAGLE 2K**



**CONSTRUCTION NOTES:**

① THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES TEMPORARILY STORED AT THE EXISTING HANDHOLE AT APPROX. STA. 102+79.3 TO THE NEW TRAFFIC CABINET AT OLD RIVER ROAD AND IL 19 (IRVING PARK RD) THROUGH THE NEW CONDUIT. ALL WORK REQUIRED TO PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK TO THE HANDHOLE AND THEN BACK TO THE NEW TRAFFIC CABINET SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".



**GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 13**  
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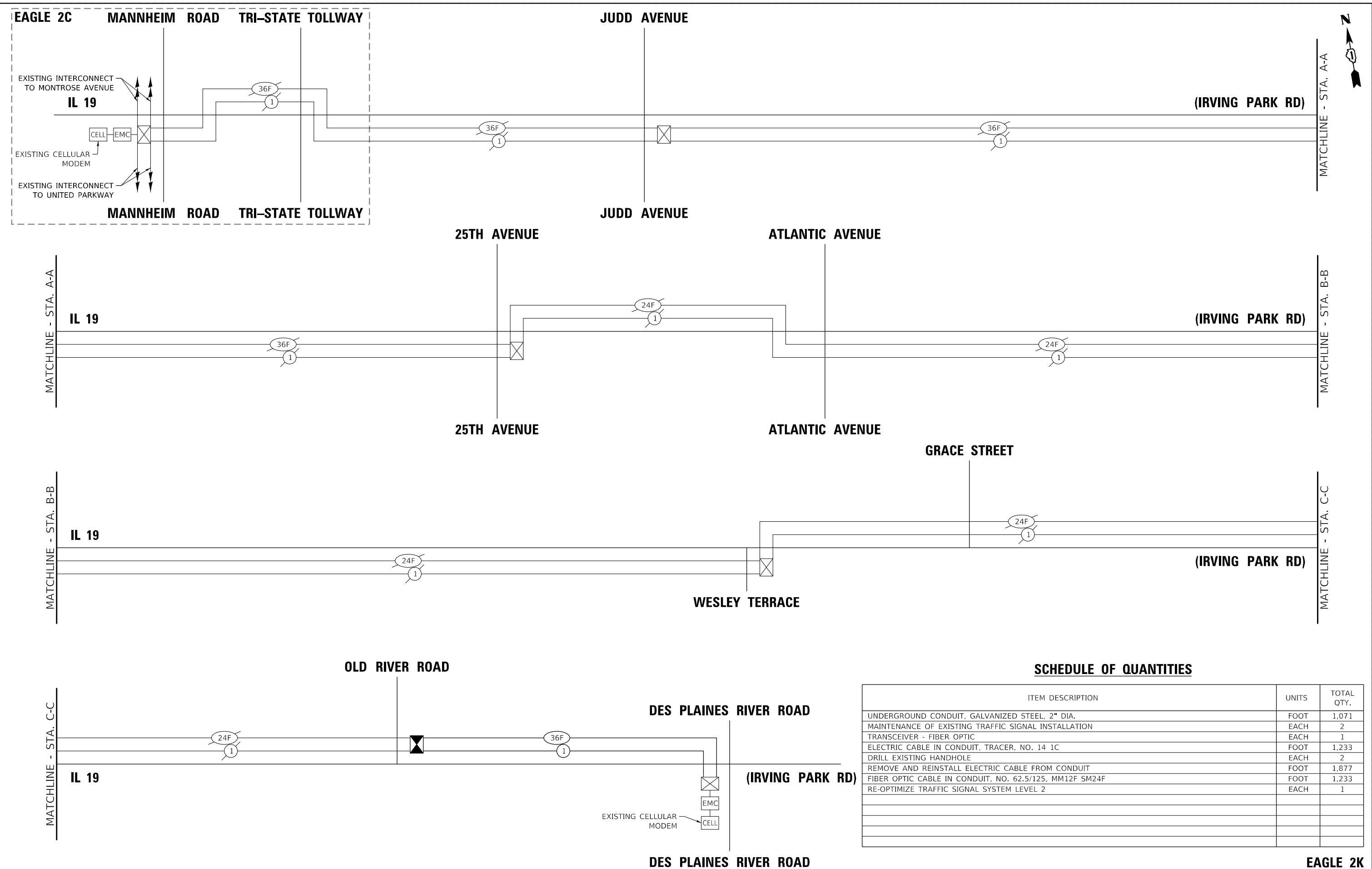
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		DATE - 7/26/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PERMANENT INTERCONNECT PLAN - EAGLE 2K</b> <b>IL 19 (IRVING PARK RD) - WESLEY TERRACE TO DES PLAINES RIVER RD</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	

**EAGLE 2K**



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,071
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,233
DRILL EXISTING HANDHOLE	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,877
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,233
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

**EAGLE 2K**

FILE NAME = 4999-sht-TS-Perm.dgn	USER NAME = DOlesak	DESIGNED - RJH	REVISED -
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		DATE - 7/26/2024	REVISED -

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

**PERMANENT INTERCONNECT SCHEMATIC -EAGLE 2K**  
**IL 19 (IRVING PARK RD) - MANNHEIM RD TO DES PLAINES RIVER RD**

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 85
SCALE: 1"=50'			CONTRACT NO. 6190	
SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

## GENERAL LIGHTING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER. AT NO TIME SHALL THE ROADWAY BE LEFT UNLIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL VILLAGE OF SCHILLER PARK HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE LOCATED AND MARKED IN THE AREA OF ANY UG TRENCHING OR BORING AND MAINTAINED AS NEEDED AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLES SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
- BANNER ARMS SHALL NOT BE INSTALLED ON LIGHT POLES NEAR THE INTERSECTION OF OLD RIVER RD AND IRVING PARK RD.
- LUMINAIRES SHALL BE PAID FOR UNDER PAY ITEM "X8250500-LIGHTING UNIT COMPLETE, SPECIAL".
- STAGE 1 - REMOVE ALL EXISTING LIGHTS ALONG THE WEST SIDE OF OLD RIVER ROAD, MAINTAIN EXISTING LIGHTS ON THE EAST SIDE OF OLD RIVER.
- STAGE 2 - MAINTAIN ALL EXISTING LIGHTS ALONG THE NORTH SIDE OF IL 19 WEST OF OLD RIVER ROAD. INSTALL NEW LIGHTS ALONG THE NORTH SIDE OF IL 19 EAST OF OLD RIVER.
- STAGE 3 - REMOVE EXISTING LIGHTS ON THE SOUTH SIDE OF IL 19. INSTALL ALL NEW LIGHTS ALONG THE SOUTH SIDE OF IL 19 PRIOR TO STARTING STAGE 4.
- STAGE 4 - REMOVE ALL EXISTING LIGHTS ON THE NORTH SIDE OF IL 19. INSTALL ALL NEW LIGHTS ALONG THE NORTH SIDE OF IL 19 WEST OF OLD RIVER ROAD AND ALL NEW LIGHTS ON OLD RIVER ROAD. REMOVE ALL THE LIGHTS ON THE EAST SIDE OF OLD RIVER ROAD.
- THE CONTRACTOR MAY HAVE TO PROVIDE TEMPORARY WIRING TO MAINTAIN EXISTING LIGHTS AS REQUIRED.
- THE ELECTRICAL TRANSFORMERS SHALL BE INCLUDED UNDER "LIGHTING UNIT COMPLETE, SPECIAL" PAY ITEM.

## HIGHWAY STANDARDS

- 812001-01 RACEWAYS EMBEDDED IN STRUCTURE
- 814001-03 HANDHOLES
- 836001-04 LIGHT POLE FOUNDATION

## LEGEND

- PROPOSED DECORATIVE POLE, 40' MOUNTING HEIGHT, WITH 12' MAST ARM, DUAL DECORATIVE LUMINAIRES, BANNER ARMS AND DUPLEX OUTLET. SEE DETAILS ON SHEET L-09. POLE SHALL BE INSTALLED ON STANDARD 30" DIAMETER FOUNDATION. LUMINAIRE OPERATING VOLTAGE SHALL BE 240V.
- EXISTING POST TOP LIGHT POLE TO REMAIN.
- EXISTING POST TOP LIGHT POLE TO BE REMOVED.
- EXISTING DAVIT ARM LIGHT POLE AND LUMINAIRE TO REMAIN.
- EXISTING UNIT DUCT TO REMAIN IN PLACE.
- PROPOSED UNIT DUCT, SIZE AS INDICATED ON PLANS.
- PROPOSED UNDERGROUND CONDUIT CASING, 2 1/2" DIA. LENGTH AS NOTED.
- EXISTING LIGHTING CONTROLLER. OWNED BY VILLAGE OF SCHILLER PARK, 120/240V SINGLE PHASE.
- PROPOSED PULL BOX.

## CABLE/CONDUIT SCHEDULE

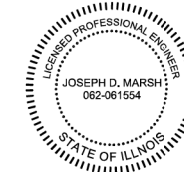
- UNIT DUCT, 600 V, 4-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- UNIT DUCT, 600 V, 4-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE IN 2 1/2" CASING, DIRECTIONALLY BORED.

LIGHTING ITEMS		
UNDERGROUND CONDUIT, COILABLE NON METALLIC CONDUIT 2 1/2" DIA	850	LF
HANDHOLE, COMPOSITE CONCRETE	17	EA
UNIT DUCT, 600V, 4-1C NO.4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	3465	LF
TRANSFORMER, GENERAL PURPOSE	12	EA
LIGHT POLE FOUNDATION, 30" DIAMETER	72	LF
REMOVAL OF LIGHTING UNIT, SALVAGE	34	EA
REMOVAL OF POLE FOUNDATION	34	EA
MAINTENANCE OF LIGHTING SYSTEM	10	CAL MO
LIGHTING UNIT COMPLETE, SPECIAL	12	EA

## INDEX OF SHEETS

- L-01 GENERAL NOTES, LEGEND, SCHEDULES AND INDEX OF SHEETS
- L-02 LIGHTING REMOVAL PLAN SHEETS - STA. 103+00 TO 113+00
- L-03 LIGHTING REMOVAL PLAN SHEETS - STA. 113+00 TO 116+00
- L-04 LIGHTING REMOVAL PLAN SHEETS - STA. 9+50 TO 13+00
- L-05 LIGHTING PLAN SHEETS - STA. 103+00 TO 113+00
- L-06 LIGHTING PLAN SHEETS - STA. 113+00 TO 116+00
- L-07 LIGHTING PLAN SHEETS - STA. 9+50 TO 13+00
- L-08 WIRING DIAGRAM
- L-09 LIGHT POLE DETAIL
- L-10 MISC ELECTRICAL DETAILS

SHEETS COVERED BY THIS SEAL:  
LIGHTING PLANS  
(SHEETS L-01 THRU L-10)



SIGNED: 2024.07.25  
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EXP. 11/30/2025

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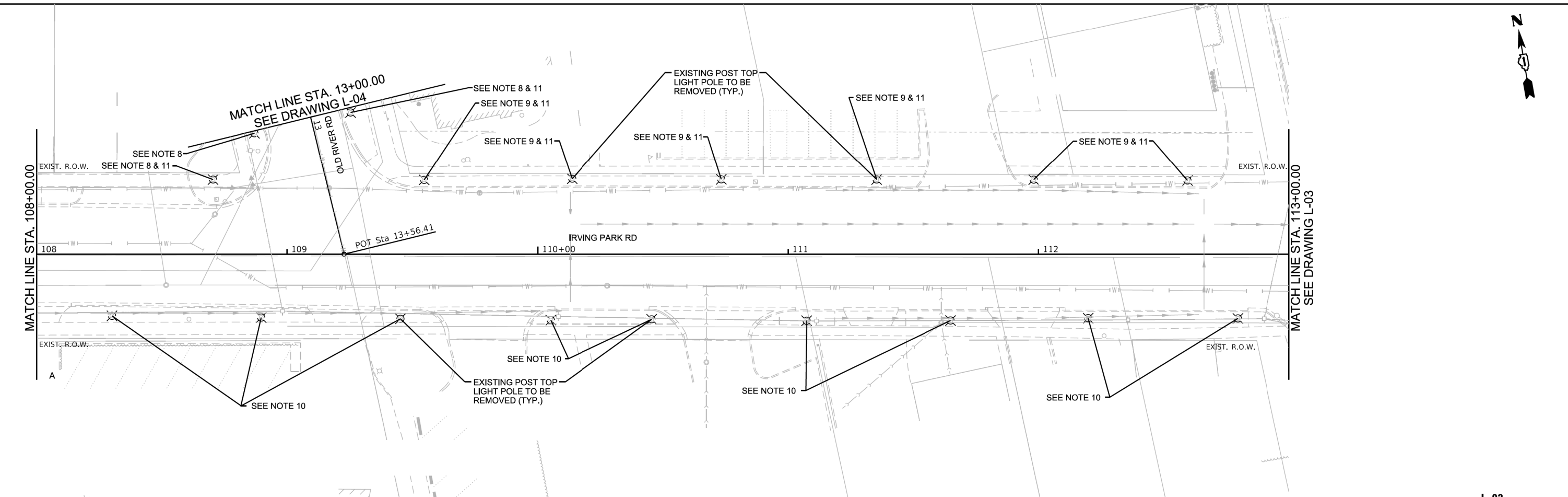
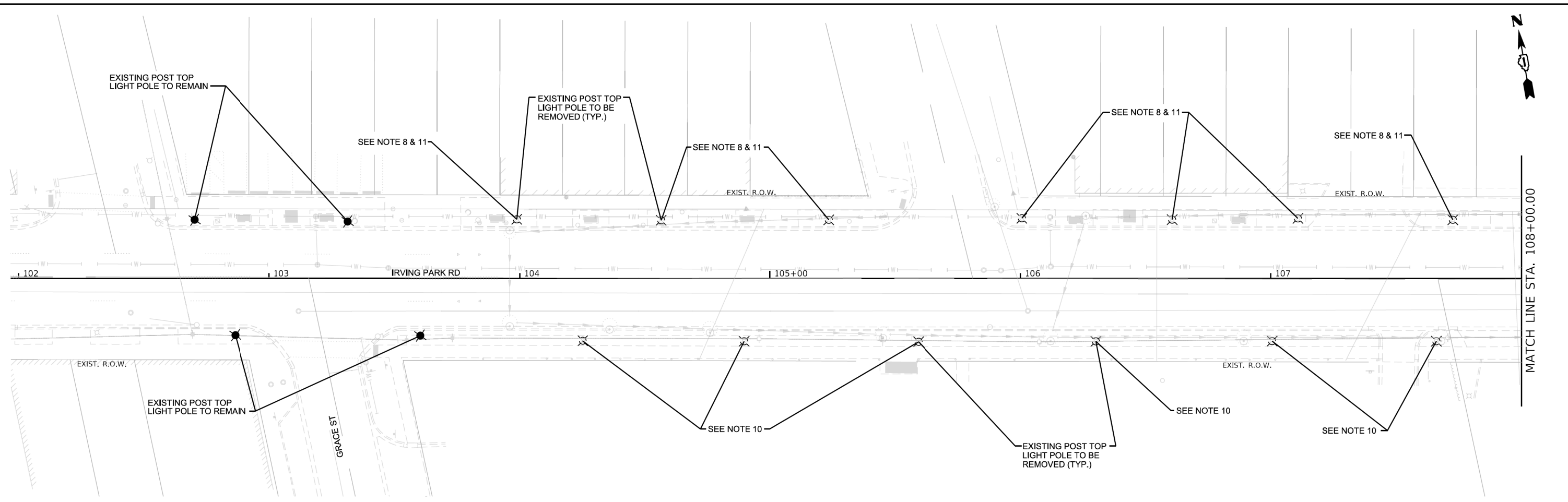
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN SHEETS  
SCHILLER PARK, ILLINOIS

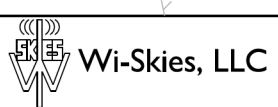
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

L-01



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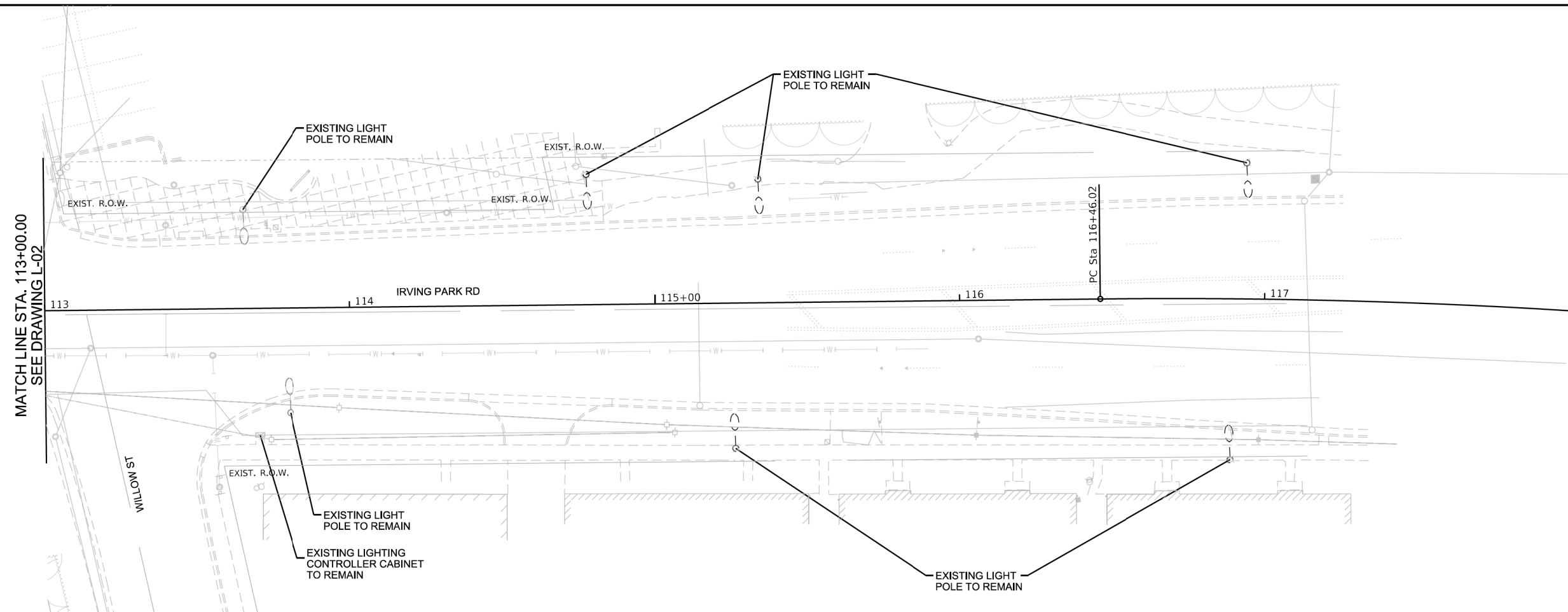
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN SHEETS**  
**SCHILLER PARK, ILLINOIS**

SCALE: 1" = 40'      SHEET 2 OF 10 SHEETS      STA. 103+00      TO STA. 113+00

F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 87
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ILLINOIS FED. AID PROJECT				

**L-02**



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

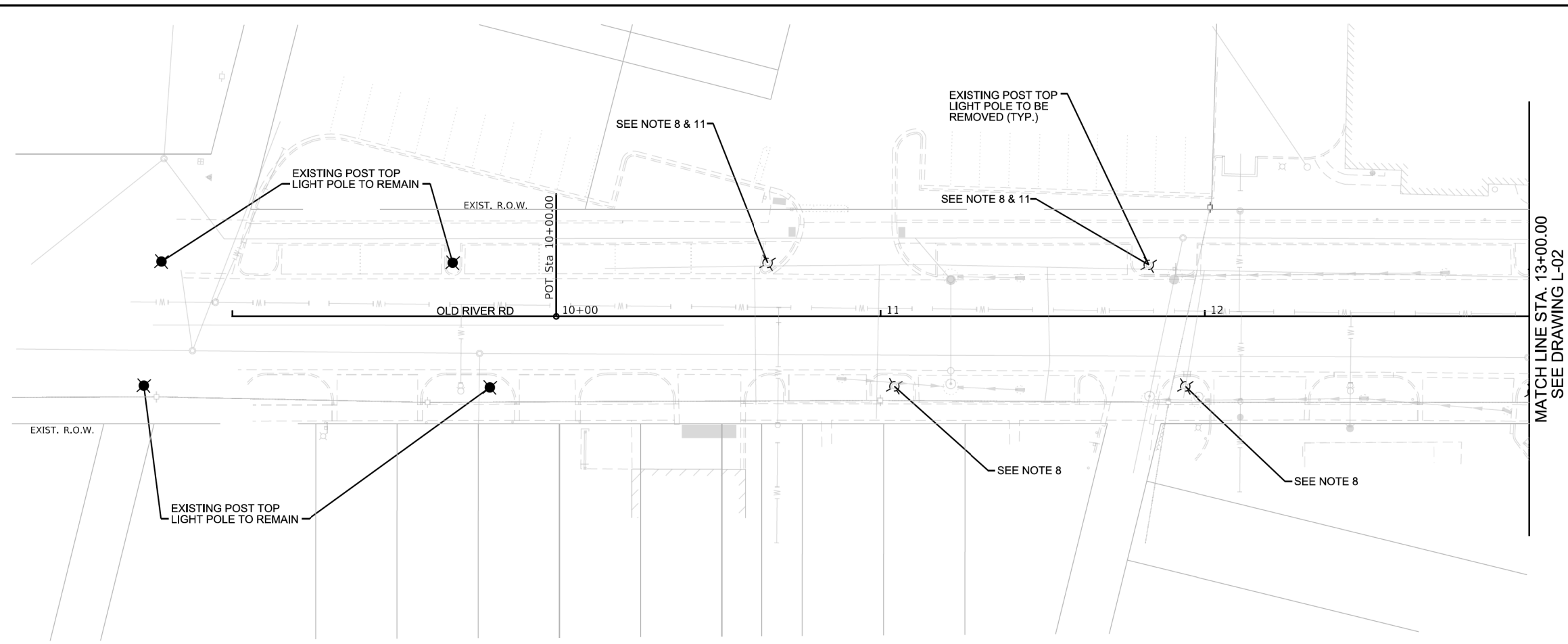
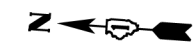
**LIGHTING REMOVAL PLAN SHEETS**  
**SCHILLER PARK, ILLINOIS**

SCALE: 1" = 40'    SHEET 3 OF 10 SHEETS    STA. 113+00    TO STA. 116+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	88
CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

**L-03**





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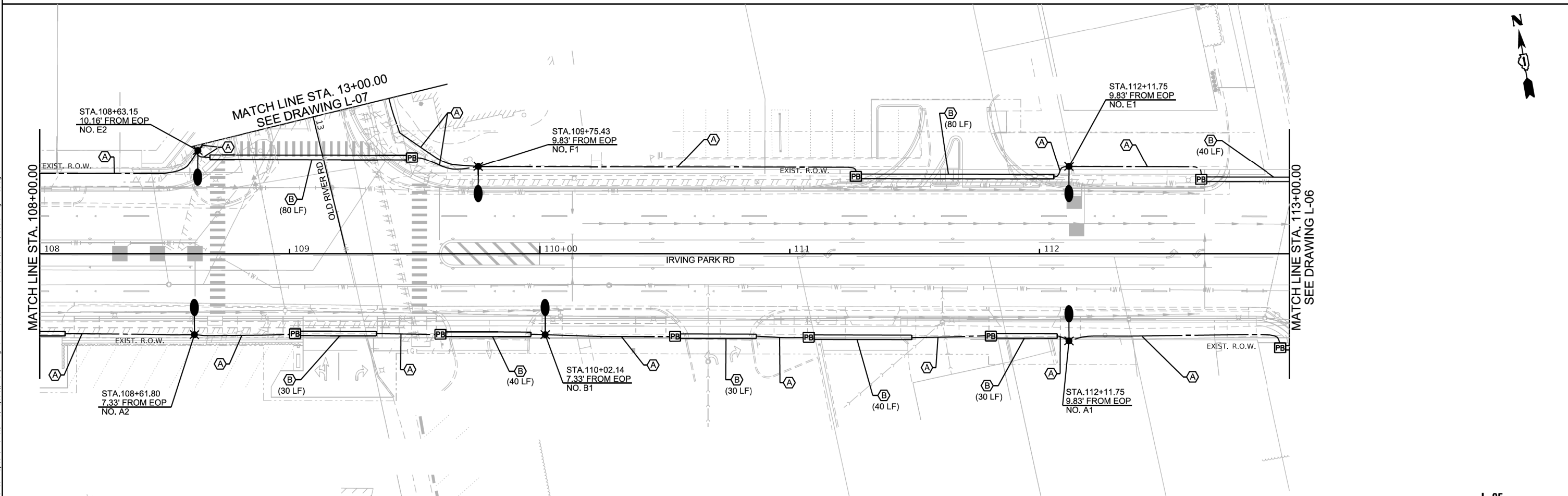
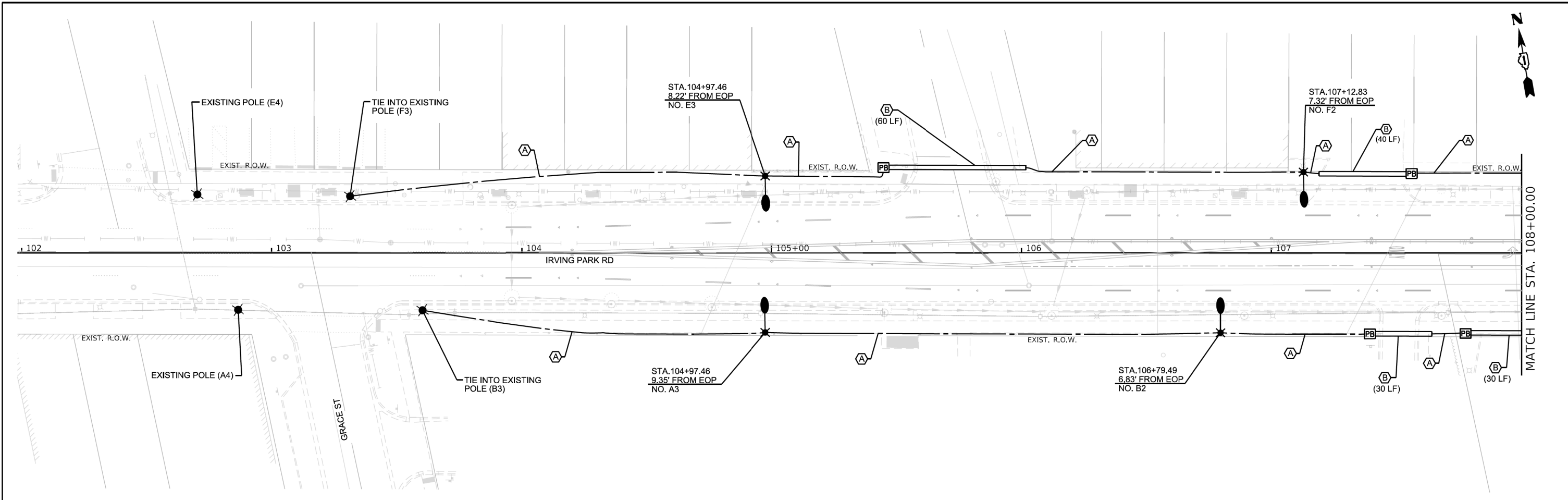
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN SHEETS**  
**SCHILLER PARK, ILLINOIS**

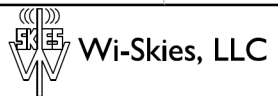
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F.A.U RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 89
CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

**L-04**



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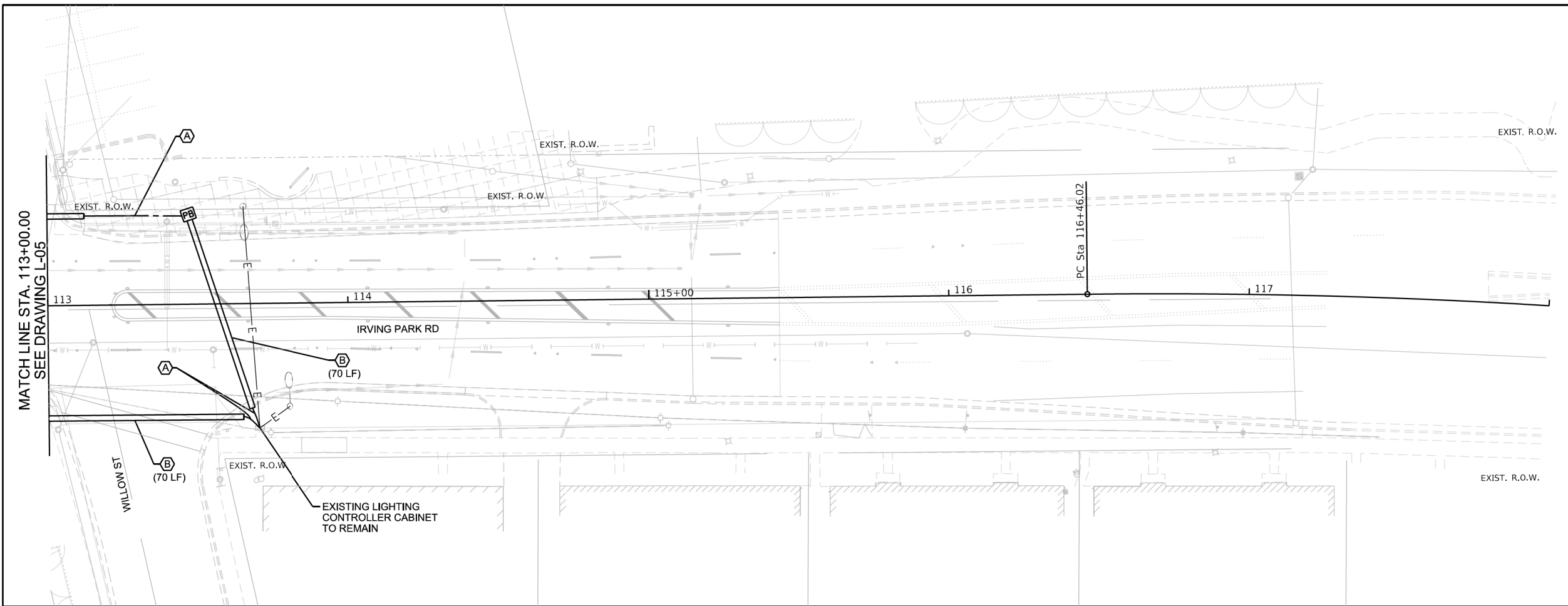
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>LIGHTING PLAN SHEETS</b> <b>SCHILLER PARK, ILLINOIS</b>	
SCALE: 1" = 40'	SHEET 5 OF 10 SHEETS STA. 103+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	90
CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

**L-05**



MATCH LINE STA. 113+00.00  
SEE DRAWING L-05

EXISTING LIGHTING CONTROLLER CABINET TO REMAIN

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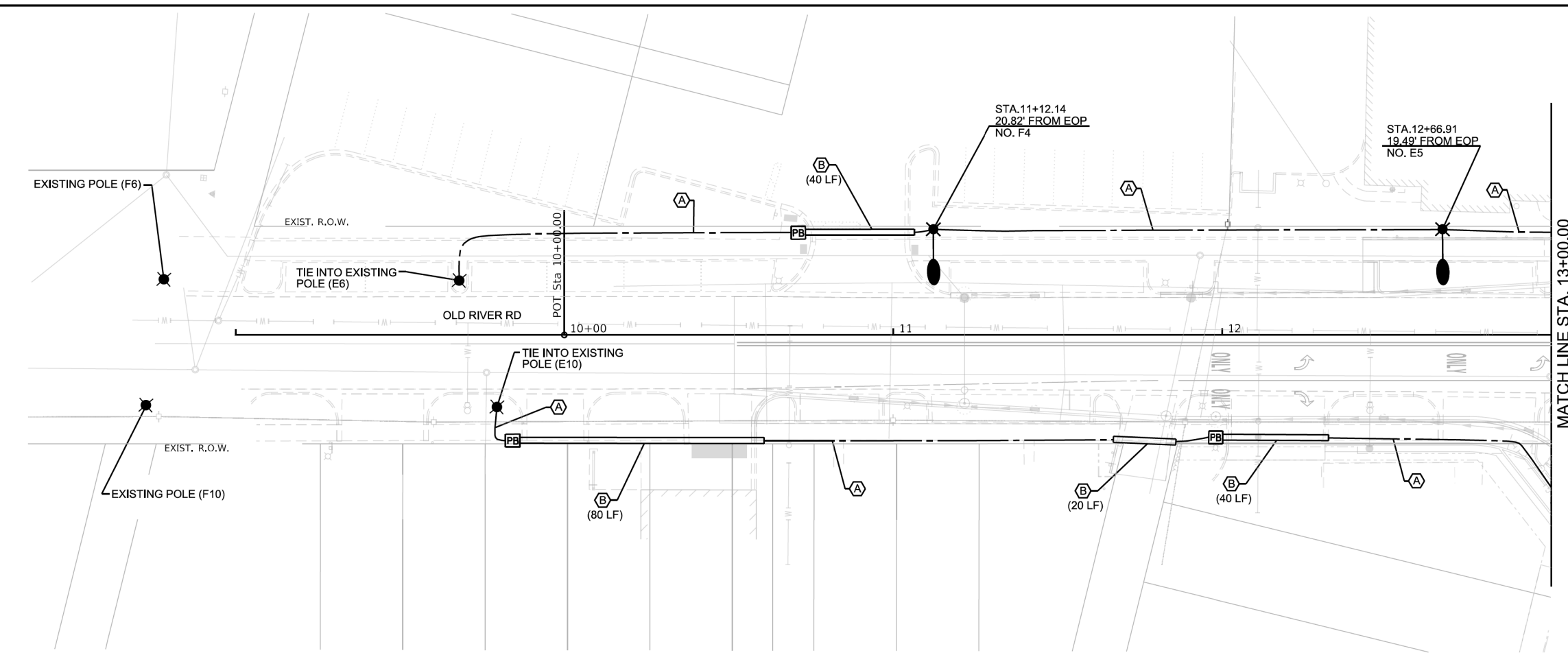
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN SHEETS  
SCHILLER PARK, ILLINOIS**

SCALE: 1" = 40' SHEET 6 OF 10 SHEETS STA. 113+00 TO STA. 116+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	91
CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

**L-06**



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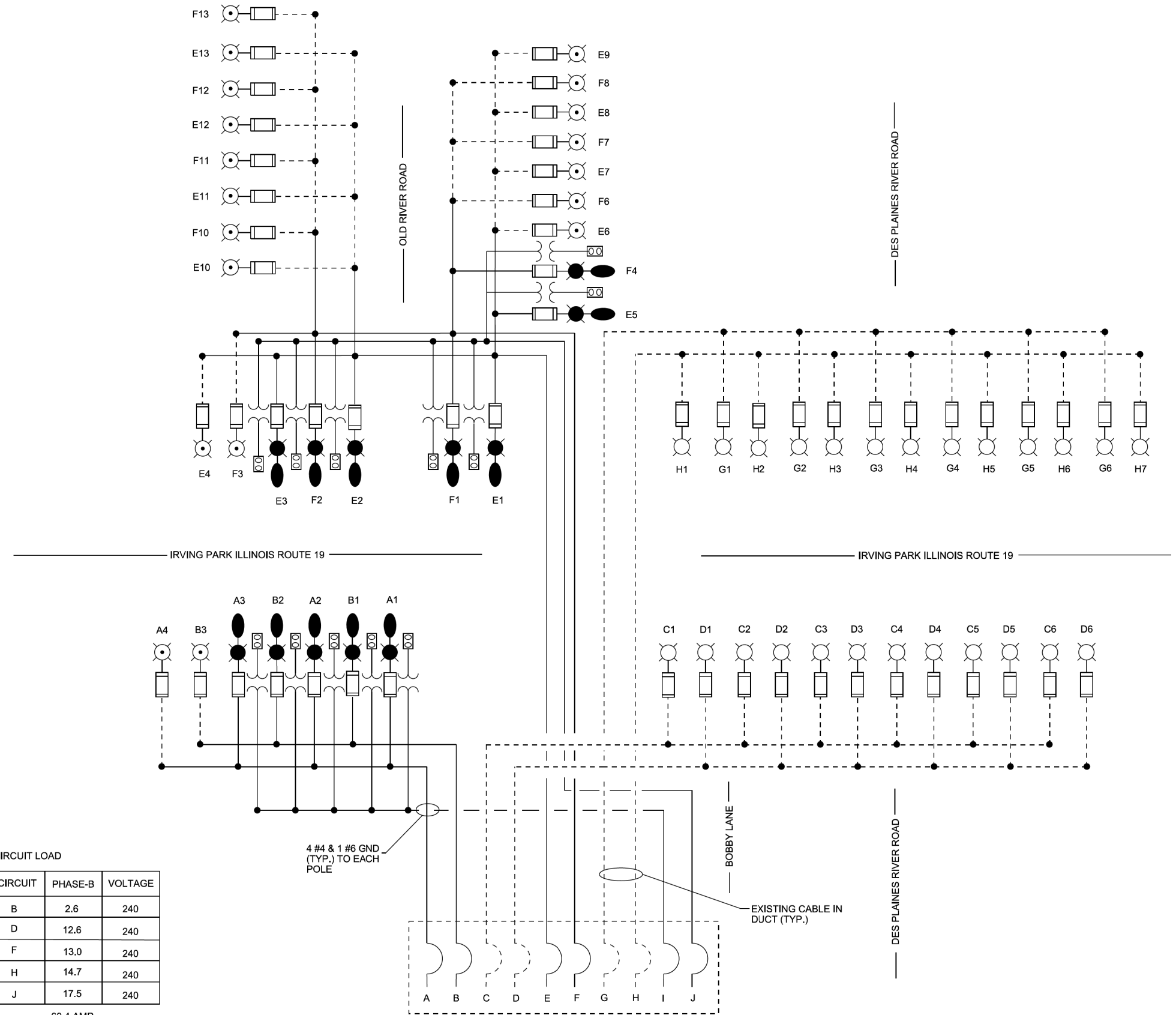
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>LIGHTING PLAN SHEETS</b>	
<b>SCHILLER PARK, ILLINOIS</b>	
SCALE: 1" = 20'	SHEET 7 OF 10 SHEETS
STA. 9+50	TO STA. 13+00.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	92
CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

**L-07**

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**CONTROLLER-2 CIRCUIT LOAD**

CIRCUIT	PHASE-A	VOLTAGE	CIRCUIT	PHASE-B	VOLTAGE
A	3.2	240	B	2.6	240
C	12.6	240	D	12.6	240
E	14.9	240	F	13.0	240
G	12.6	240	H	14.7	240
I	12.5	240	J	17.5	240
<b>TOTAL</b>		<b>55.8 AMP</b>			<b>60.4 AMP</b>

4 #4 & 1 #6 GND (TYP.) TO EACH POLE

NOTE: ALL EXISTING BREAKERS AND EQUIPMENT WITHIN SERVICE CABINET SHALL REMAIN IN PLACE.

- SINGLE LINE LEGEND**
- LUMINAIRE, 30W & 105W
  - LUMINAIRE, 250W HPS
  - LUMINAIRE, 400W HPS
  - FUSE, 5A 400W HPS
  - FUSE, 3A 250W HPS AND LED
  - CIRCUIT BREAKER
  - 3 1/2 #4 & 1 #6 GND IN UNIT DUCT
  - EXISTING UNIT DUCT AND CABLE TO REMAIN
  - CONNECTION
  - GFCI DUPLEX OUTLET, 120V
  - TRANSFORMER, 0.15kVA, 1 PHASE 240:480V PRIMARY, 120:240V SECONDARY



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WIRING DIAGRAM  
SCHILLER PARK, ILLINOIS**

SCALE: None    SHEET 8 OF 10 SHEETS

<b>L-08</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		345B	15-00082-00-CH	COOK	122	93
					CONTRACT NO. 61J90	
					ILLINOIS FED. AID PROJECT	

GFI DUPLEX RECEPTACLE (15A, NEMA 5-15R)  
WITH WEATHER PROTECTIVE IN USE COVER

ALUMINUM BREAKAWAY BANNER ARM SET WITH  
REMOVABLE CAST ALUMINUM BALL CAP

27 1/2" DIA. DMS50 SERIES LUMEC  
FIXTURE, (TYPE III, 14082 LUMENS)  
FLAT GLASS LENS, HANG STRAIGHT  
COUPLING.  
DMS50-108W48LED4K-G3-LE3F-UNV-DMG-SMB-RCD7-BKTX

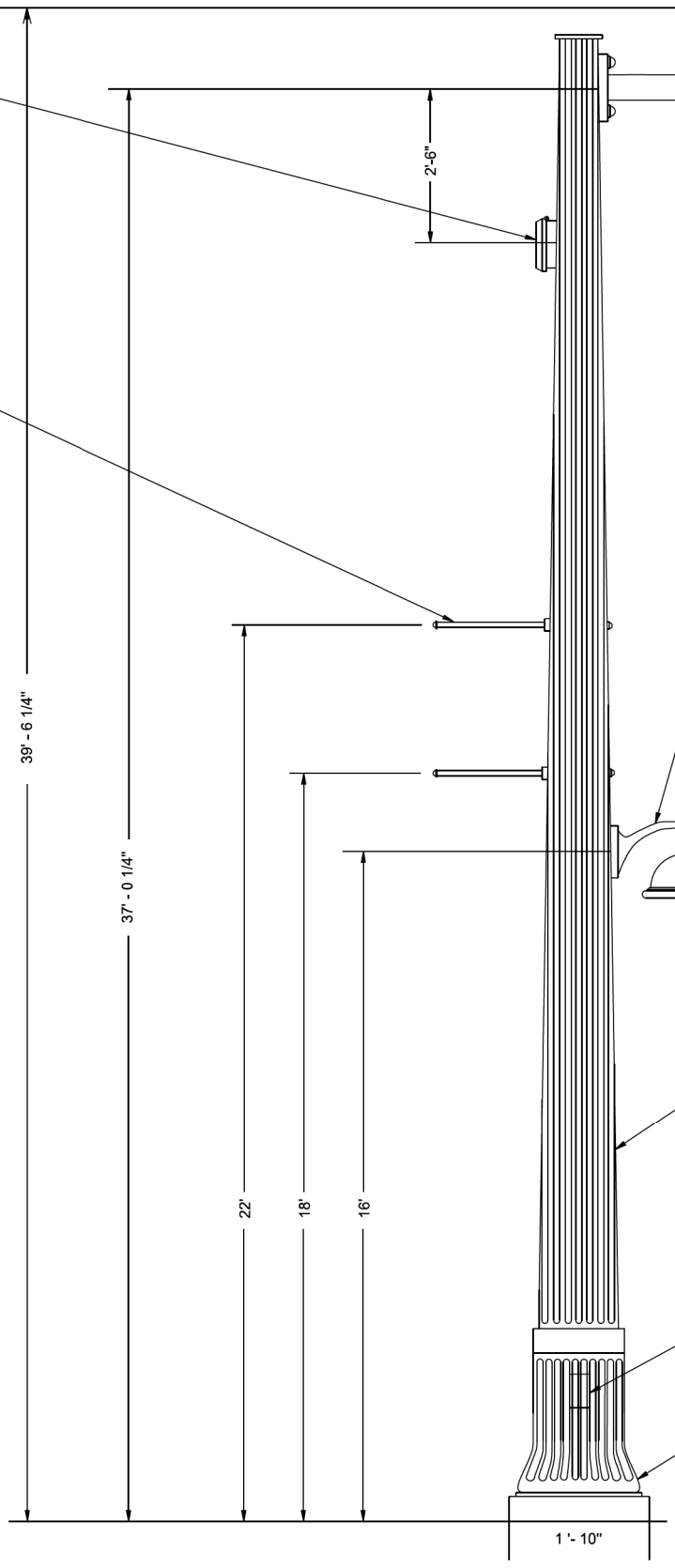
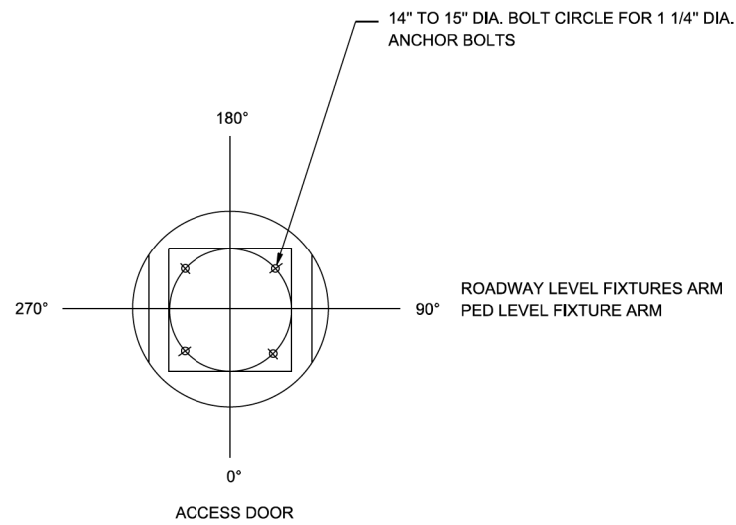
12' LONG, TAPERED ALUMINUM ELIPTICAL. (4" X 2 7/8")  
ARM WITH MOUNTING FLANGE, 2 3/8" OD LUMINAIRE END

18" DIA. DOS SERIES LUMEC FIXTURE, (TYPE III, 2597  
LUMENS) FLAT GLASS LENS, HANG STRAIGHT COUPLING  
DOS-24W16LED4K-T-LE2F-UNV-SP2-AST-DBC-1A-BKTX

10" DIA. BASE, 6" DIA. TOP TAPERED FLUTED ALUMINUM  
POLE SHAFT, 16 SHARP FLUTE, MIN. 0.250" WALL  
THICKNESS VIBRATION DAMPENER INCLUDED POLE  
MUST BE DESIGNED TO MEET CURRENT AASHTO  
STANDARDS FOR 90 MPH WIND, 3 SECOND GUST, AND  
50 YEAR MINIMUM DESIGN LIFE.

4" X 8" HANDHOLE WITH GASKETED COVER LOCATED 18"  
ABOVE GRADE PROVIDED 3/8-16 GROUND LUG

2 PIECE ALUMINUM CLAMSHELL BASE WITH GROUND  
LUG AND ACCESS DOOR



**LIGHTING UNIT COMPLETE, SPECIAL**

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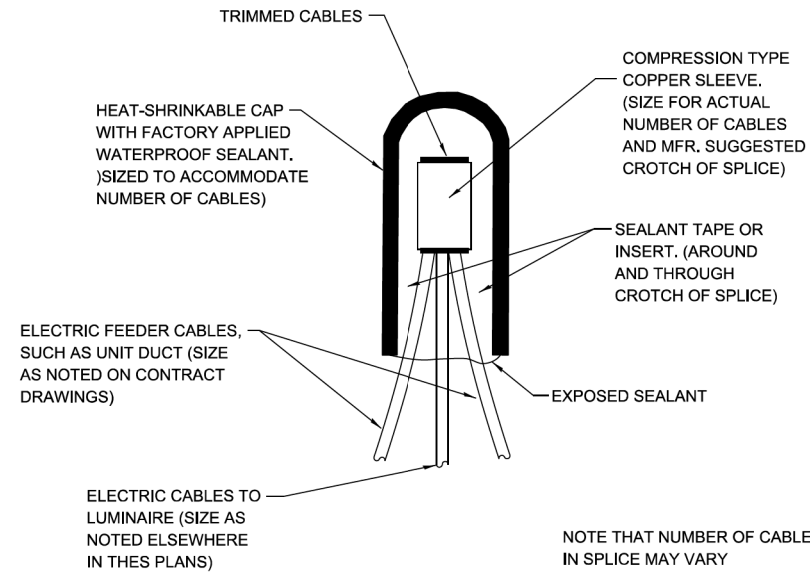
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE DETAIL  
SCHILLER PARK, ILLINOIS**

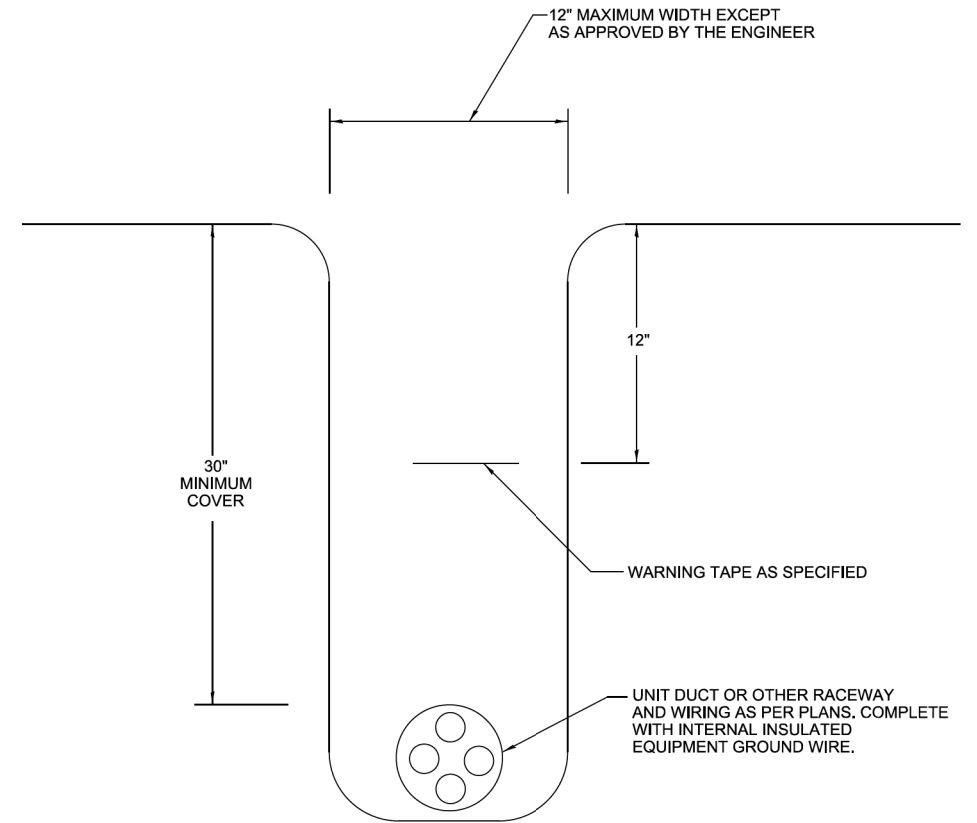
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<b>L-09</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J90						
ILLINOIS FED. AID PROJECT						

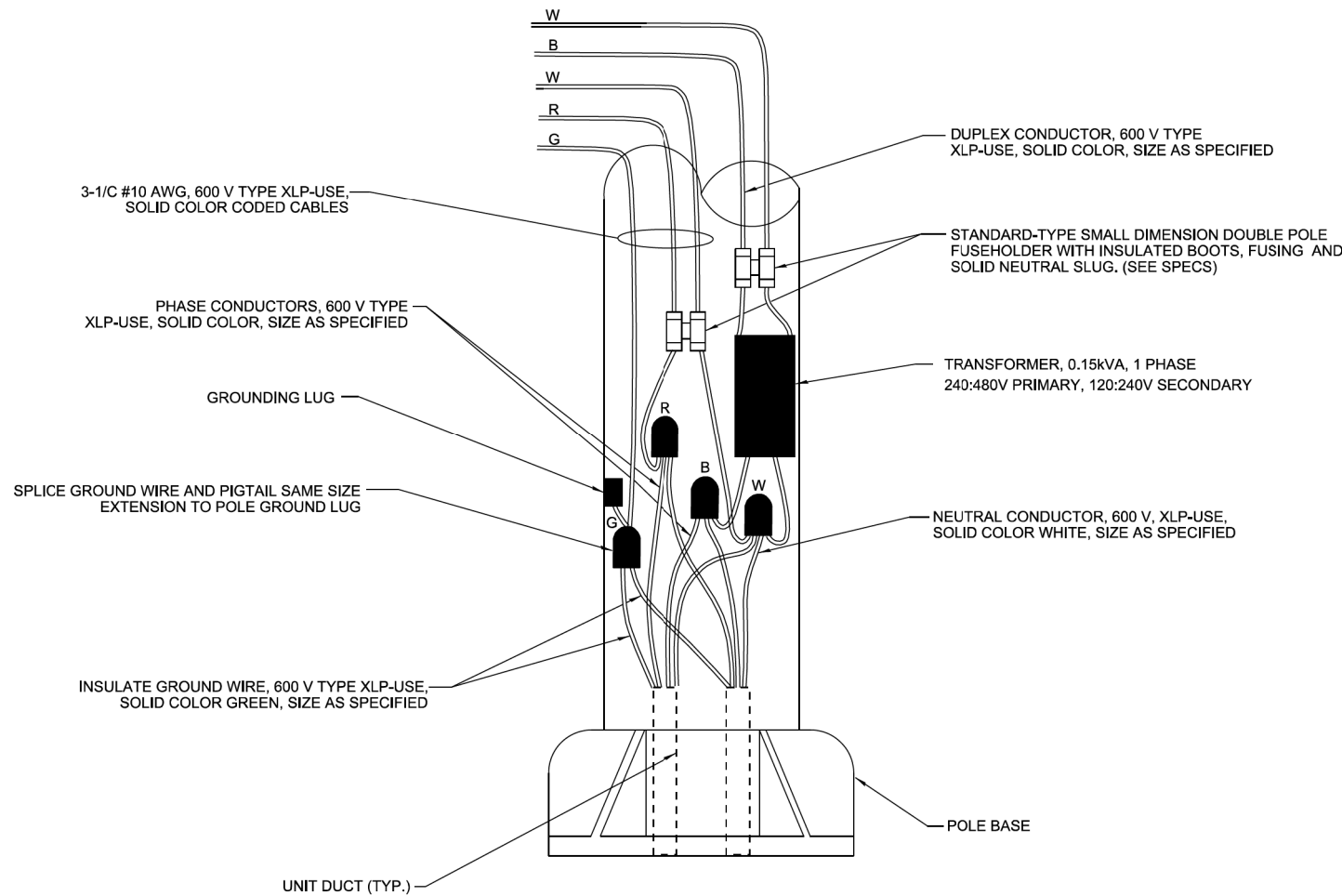


NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY

**TYPICAL SPLICE DETAIL**



**TYPICAL WIRING IN TRENCH DETAIL**



**POLE WIRING DETAIL**

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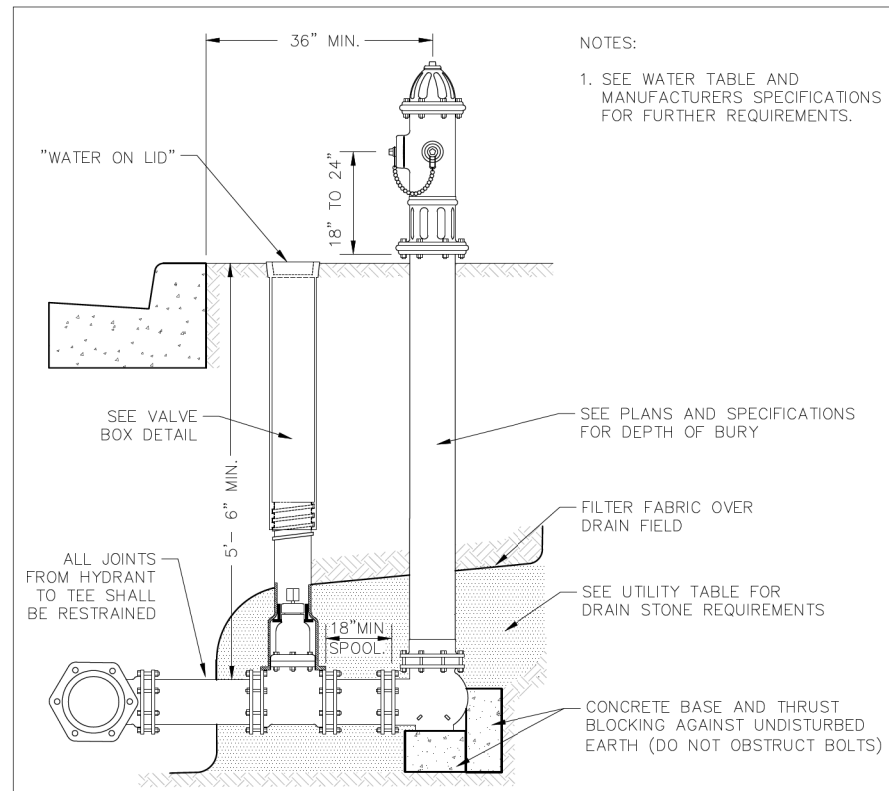
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS  
SCHILLER PARK, ILLINOIS**

SCALE: None SHEET 10 OF 10 SHEETS

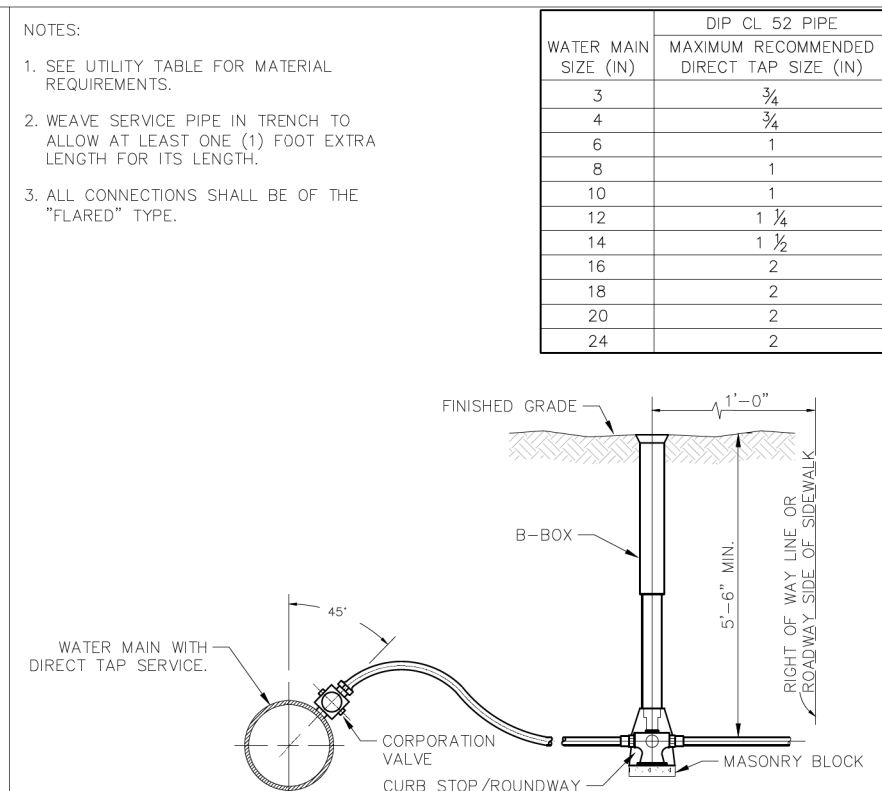
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J90				
ILLINOIS FED. AID PROJECT				

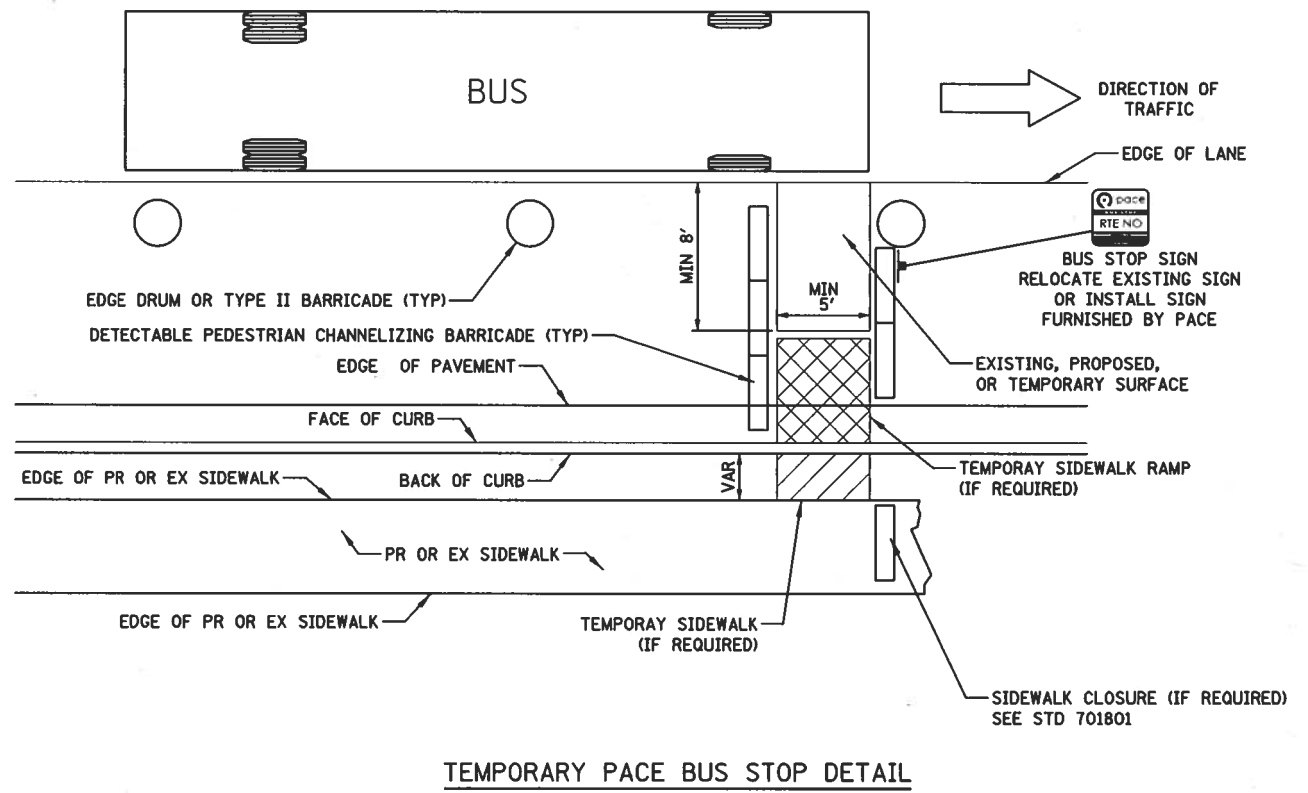


NOTES:  
 1. SEE WATER TABLE AND MANUFACTURERS SPECIFICATIONS FOR FURTHER REQUIREMENTS.

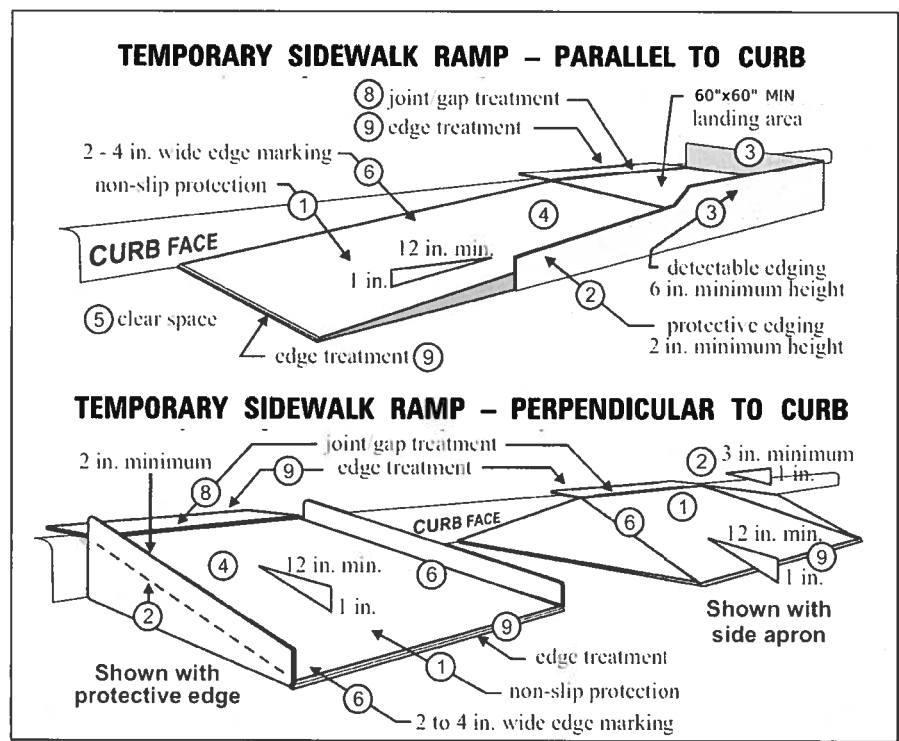
**GHA GEWALT HAMILTON ASSOCIATES, INC.** FIRE HYDRANT 03.17.2021



**GHA GEWALT HAMILTON ASSOCIATES, INC.** WATER SERVICE 04.02.2021



**TEMPORARY PACE BUS STOP DETAIL**



(FIGURE FROM MnDOT TPAR)

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

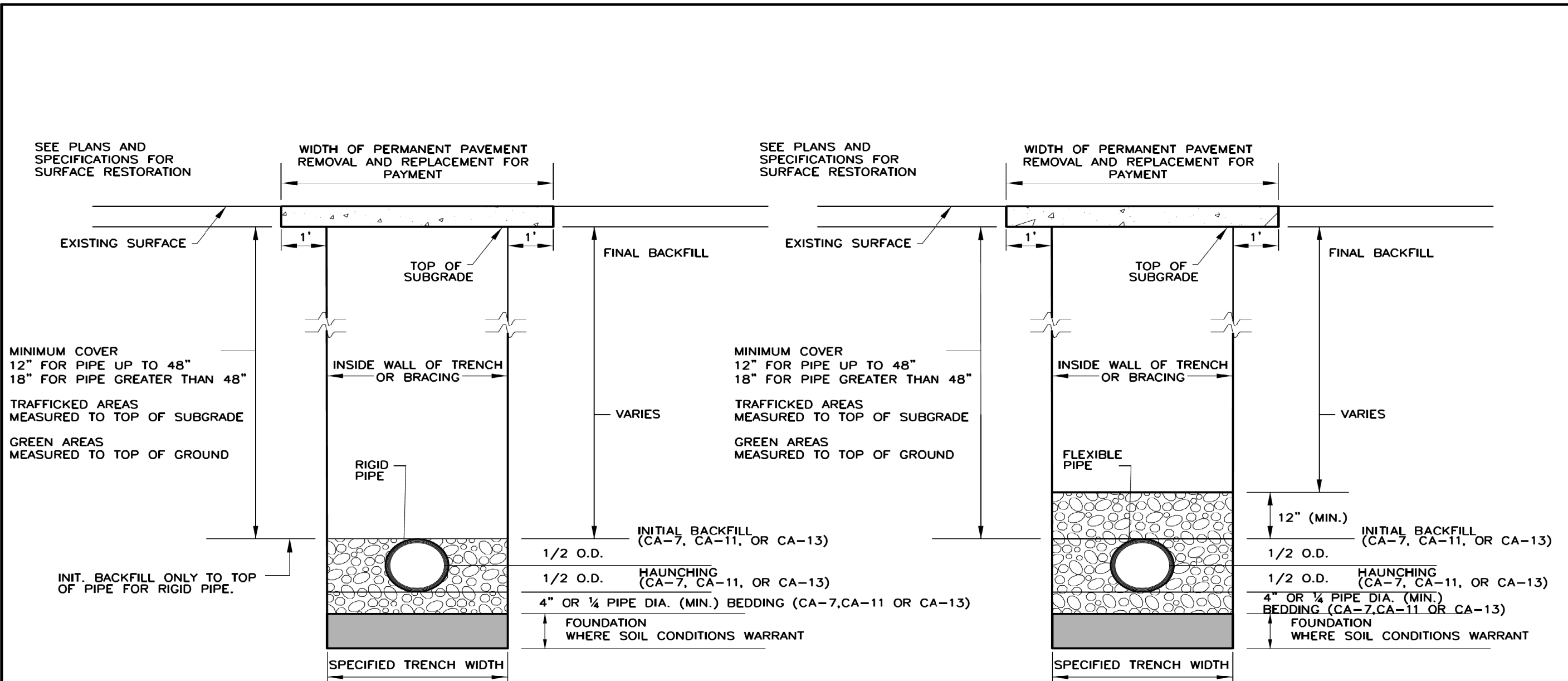
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>GHA DETAILS</b>	
<b>IRVING PARK ROAD - SCHILLER PARK, IL</b>	
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 96
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	





**RIGID PIPE INSTALLATION DETAIL**

**FLEXIBLE PIPE INSTALLATION DETAIL**

- NOTES:  
 1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.  
 2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE



TECHNICAL GUIDANCE MANUAL

RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL

7/1/15

STD. DWG. NO. 34

PAGE NO. 35

GHA GEWALT HAMILTON ASSOCIATES, INC.

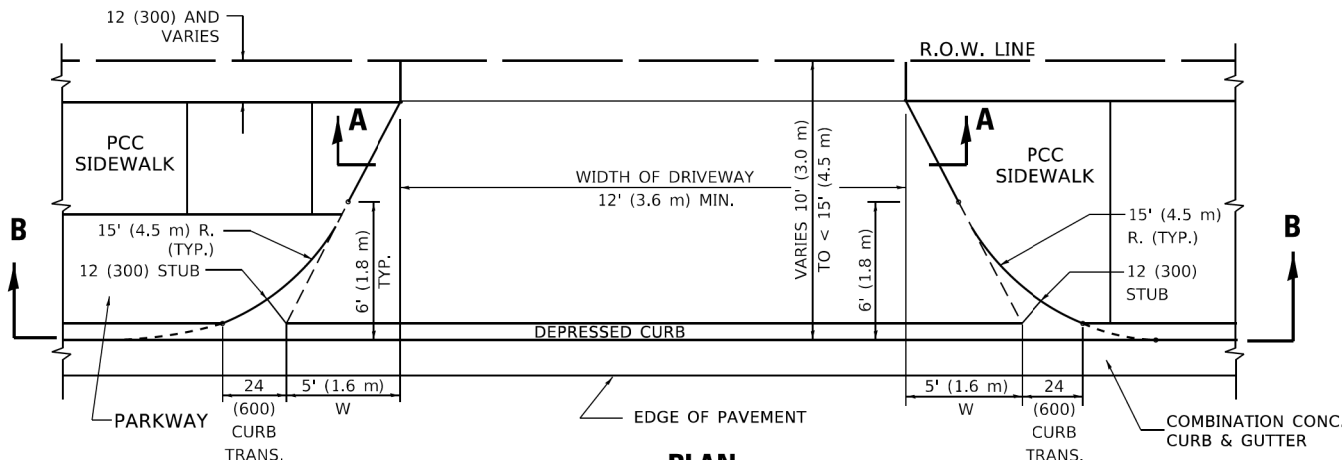
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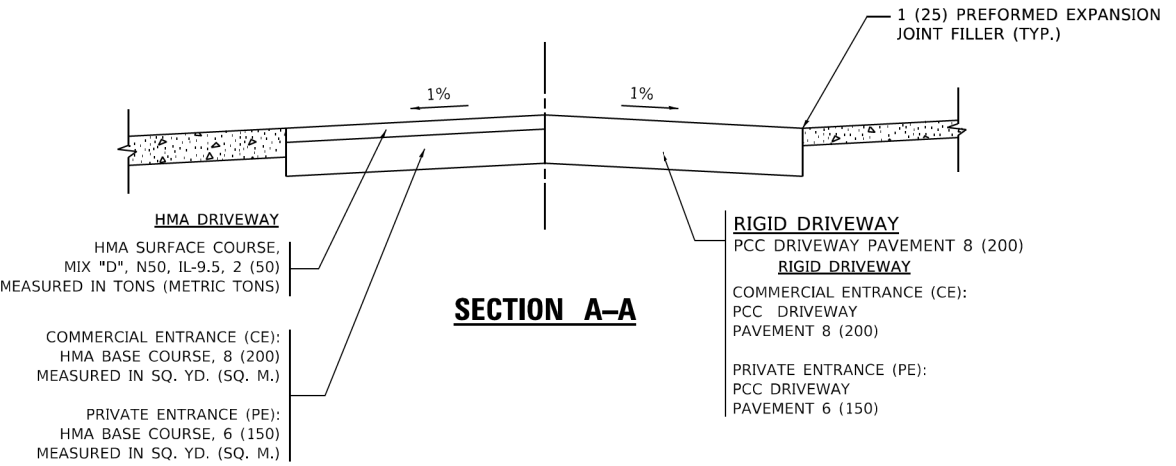
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MWRD DETAILS  
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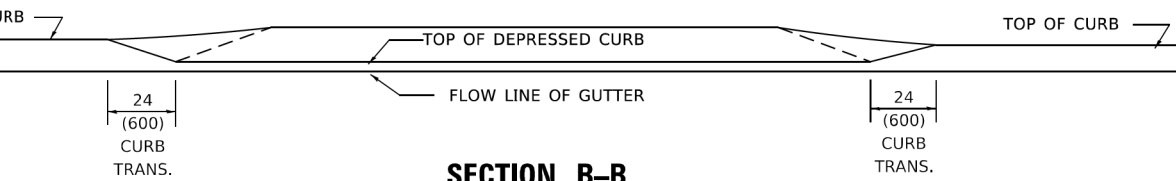
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345B	15-00082-00-CH	COOK	122	97
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6190	



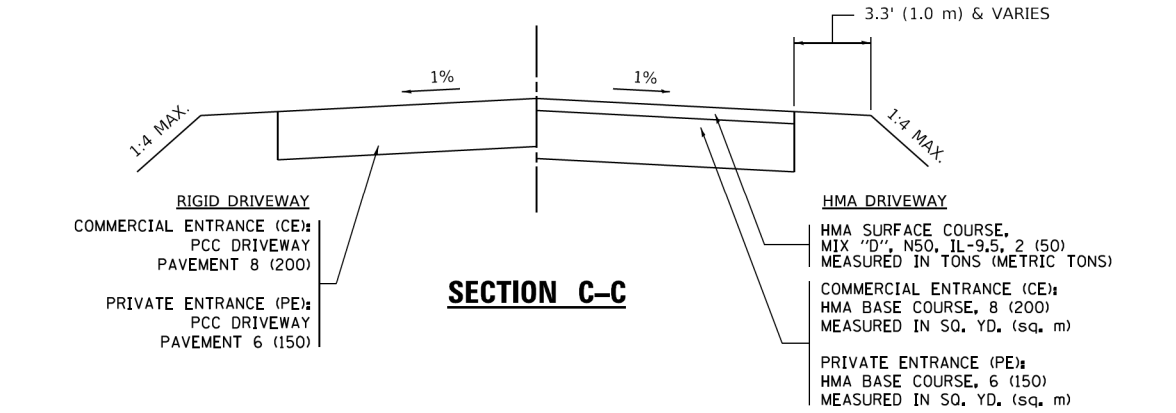
**PLAN**  
**10' (3.0 m) TO < 15' (4.5 m)**



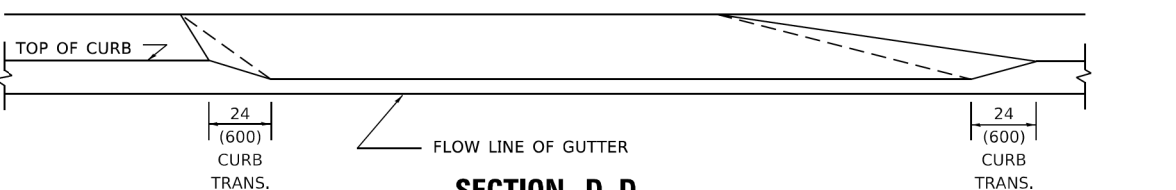
**SECTION A-A**



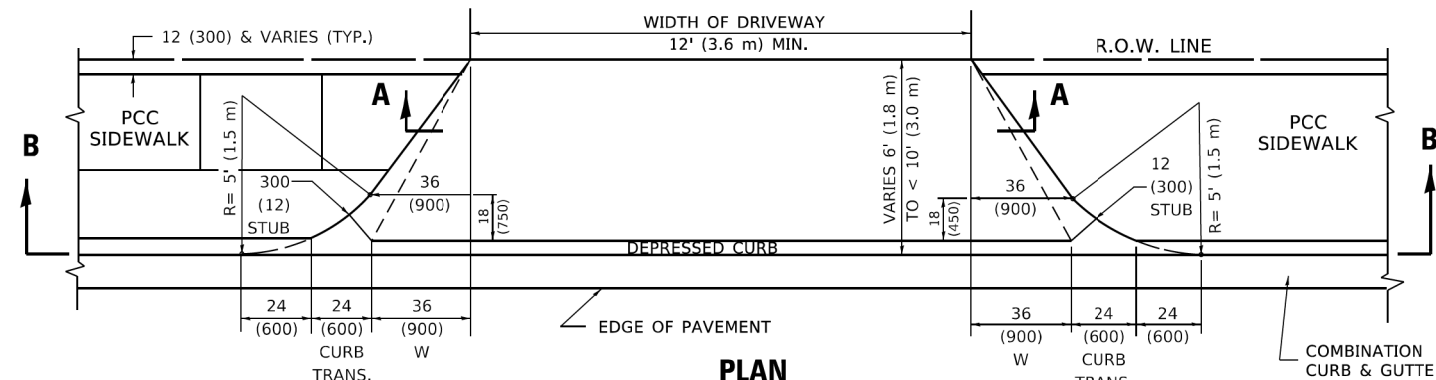
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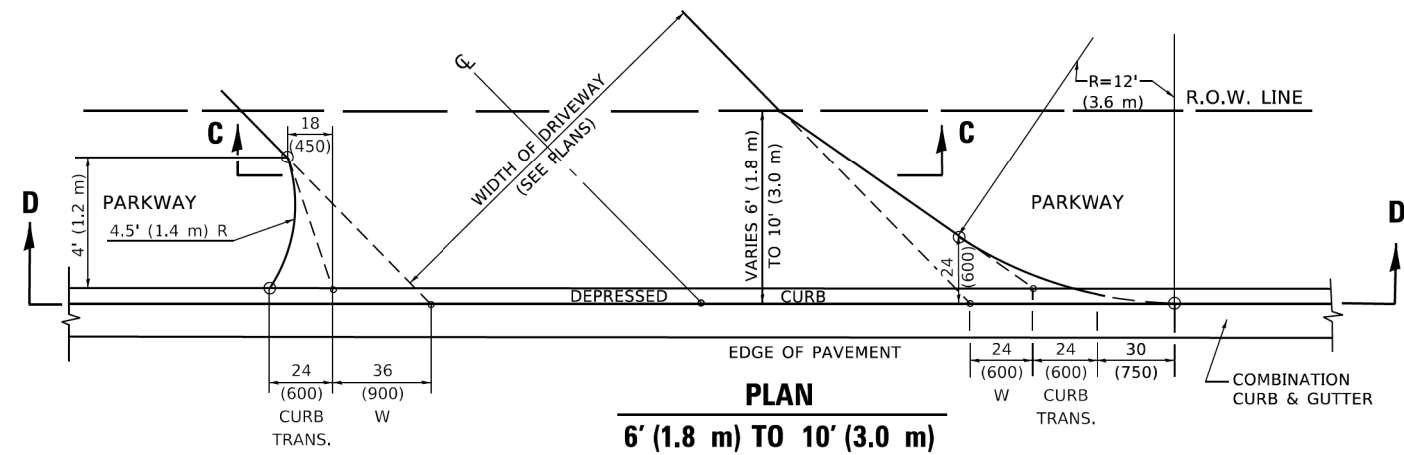
**SECTION C-C**



**SECTION D-D**



**PLAN**  
**6' (1.8 m) TO < 10' (3.0 m)**



**PLAN**  
**6' (1.8 m) TO < 10' (3.0 m)**

**GENERAL NOTES**

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

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

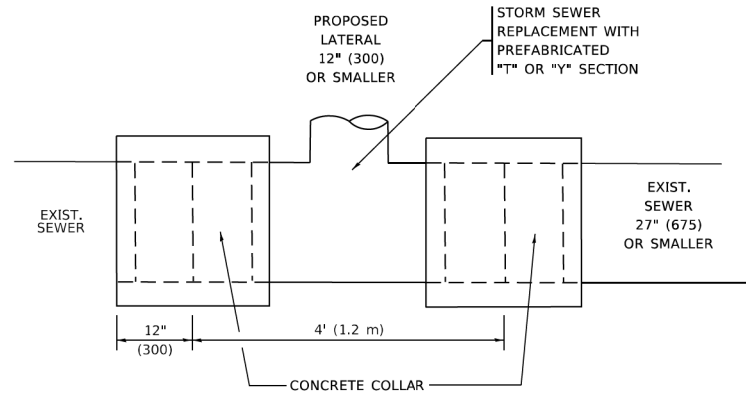
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS  
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

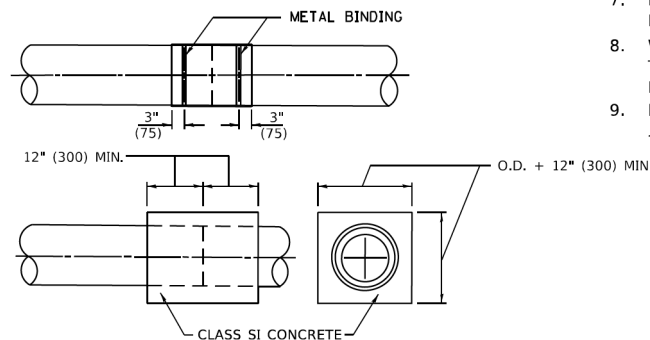
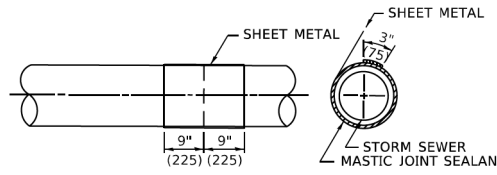
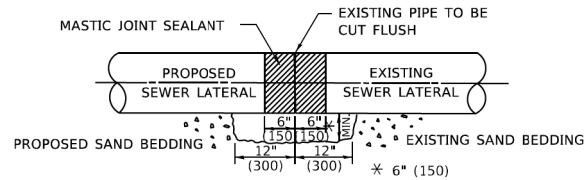
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>BD400-02 (BD-02)</b>			CONTRACT NO.	61190
ILLINOIS FED. AID PROJECT				



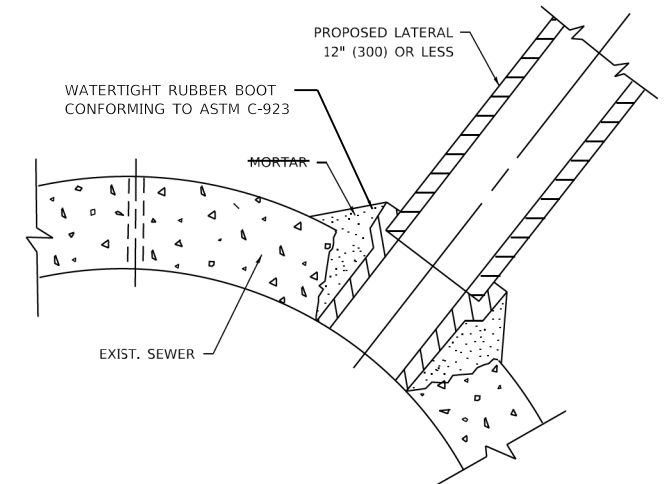
**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



**DETAIL "B"**

CLASS SI CONCRETE COLLAR



**DETAIL "C"**

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

**CONSTRUCTION SEQUENCE**

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

**NOTES:**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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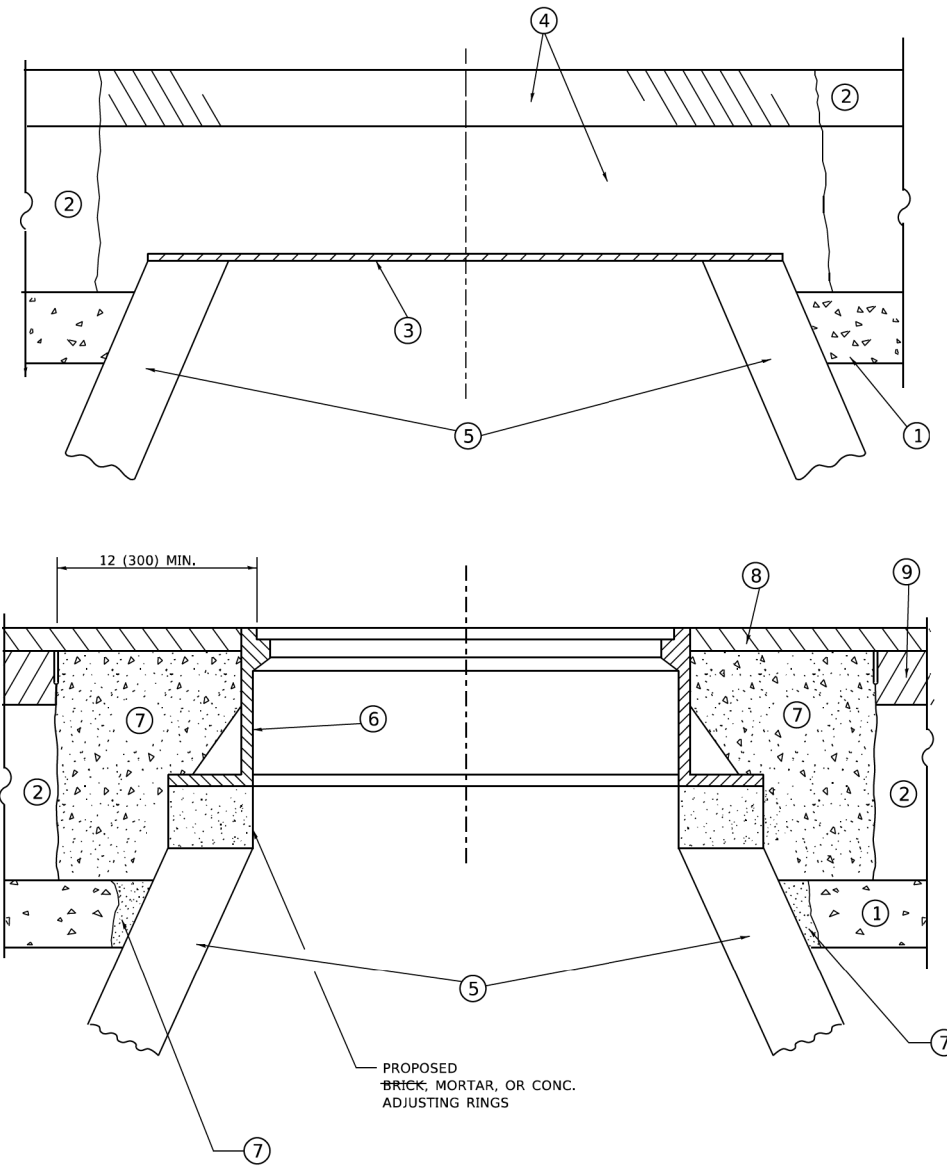
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PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	99
<b>BD500-01 (BD-07)</b>		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

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

**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- \* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

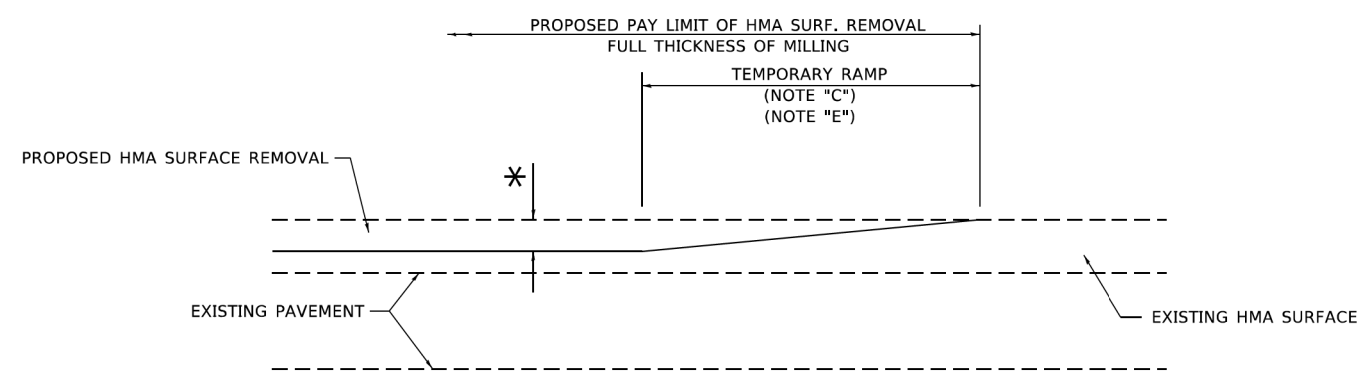
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

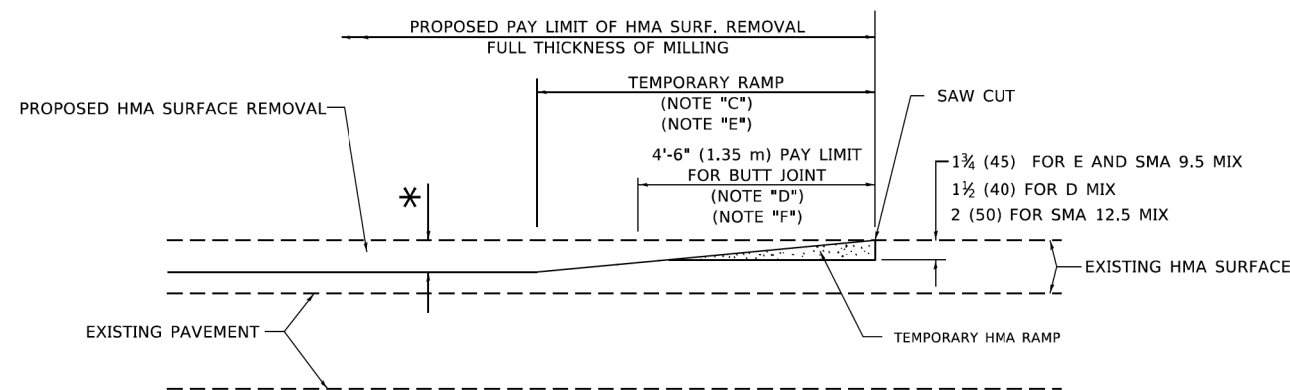
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	100
BD600-03 (BD-08)			CONTRACT NO.	6190
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

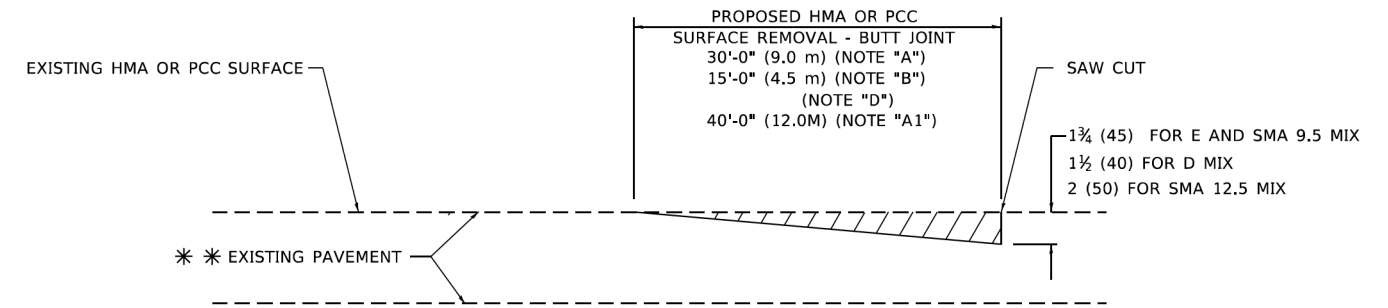
**OPTION 1**



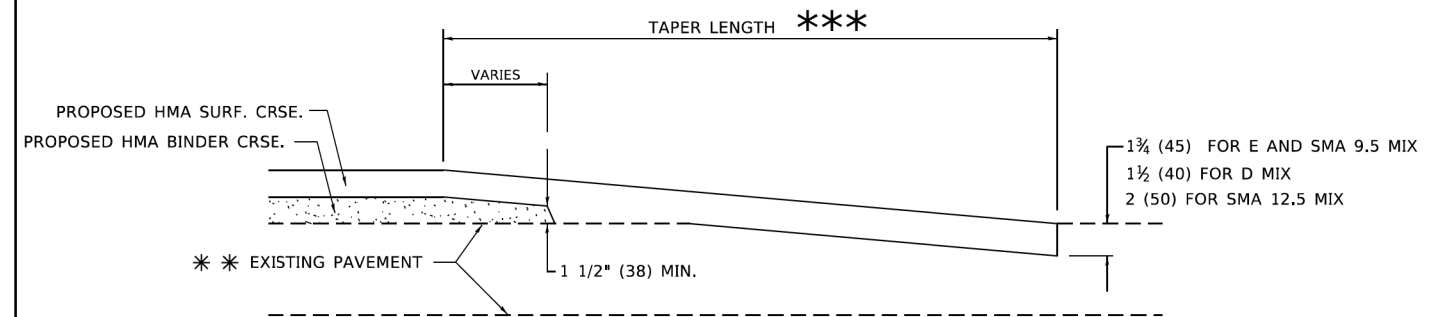
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

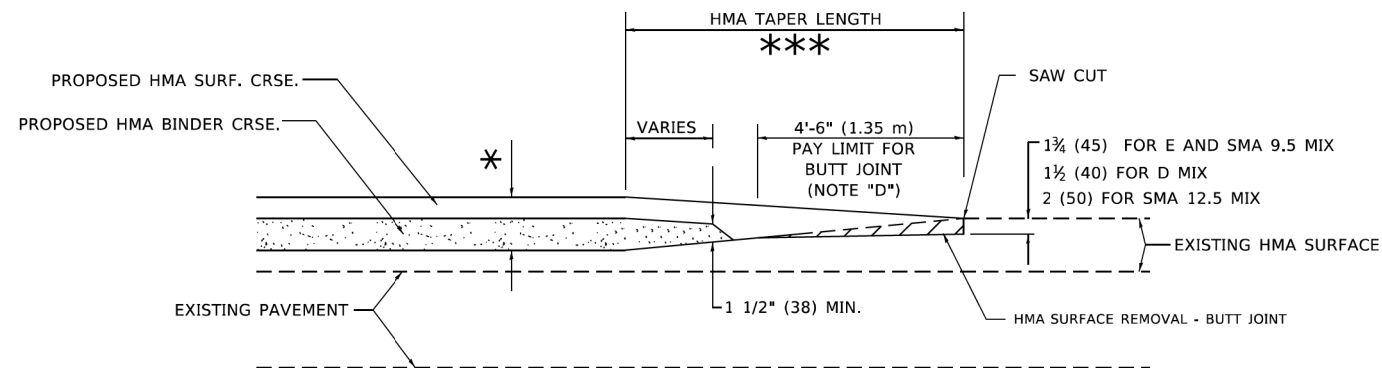
**GENERAL NOTES**

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

**BASIS OF PAYMENT**

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

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

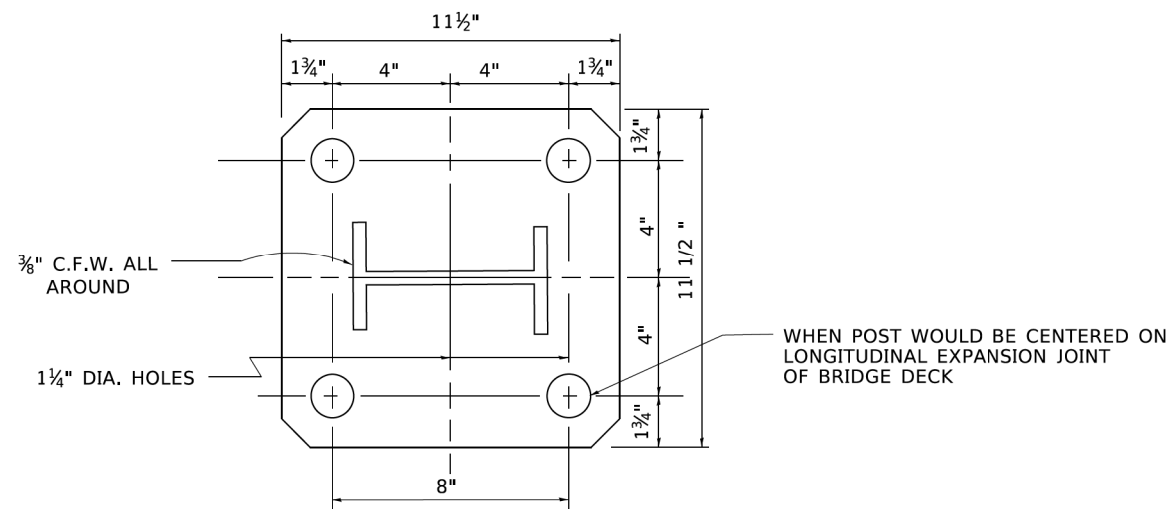
BUTT JOINT AND  
HMA TAPER DETAILS

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

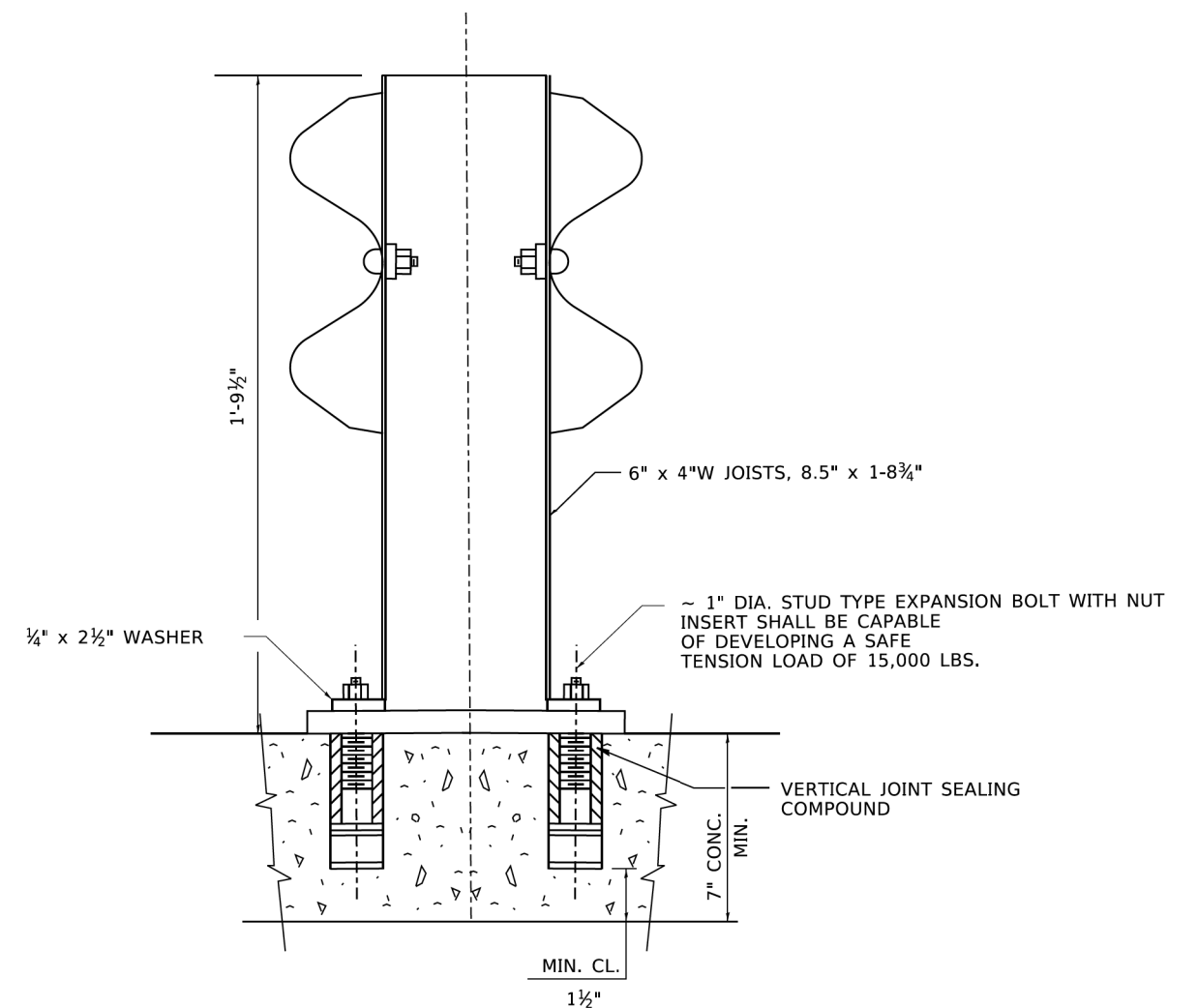
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	101
BD400-05 BD-32		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				

NOTE:

1. FOR DETAILS OF RAIL ELEMENTS, RAIL SPLICING, NUT, BOLT AND SIDE VIEW OF RAIL, SEE STANDARD 2230-2.
2. ALL WELDS SHALL BE GROUND SMOOTH
3. POSTS SHALL BE CUT AND WELDED TO THE BASE PLATE SO THAT THE POST WILL BE PLUMB WHEN ERECTED.
4. TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE, MINIMUM TEST LOAD=8 KIPS. IF ONE ANCHOR BOLT FAILS DURING THE TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT SHALL BE BOLT COMPANIES.
5. PROVIDE 11#8" AND 21#16" GALVANIZED SHIMS FOR 25% OF THE POSTS.



**RAIL POST BASE**  
 11 1/2" x 1 1/4" x 11 1/2"



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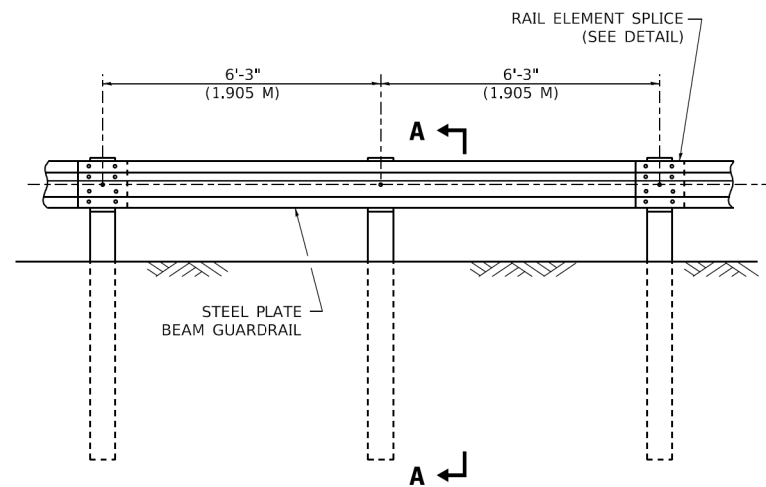
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PLOT DATE = 3/11/2019	DATE - 10-31-88	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ANCHOR DETAIL FOR STEEL PLATE BEAM  
 GUARDRAIL ON CONCRETE**

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

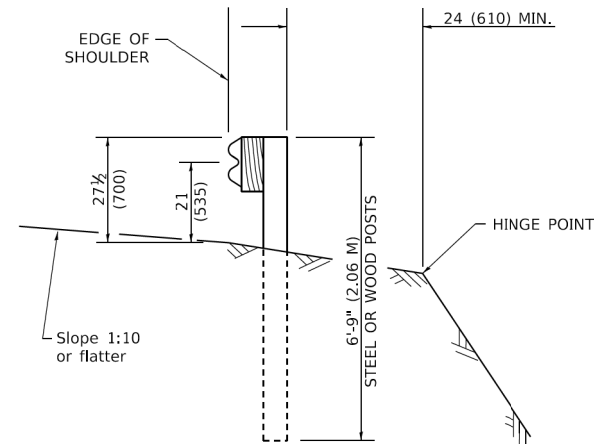
F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 102
<b>BM-02</b>		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				



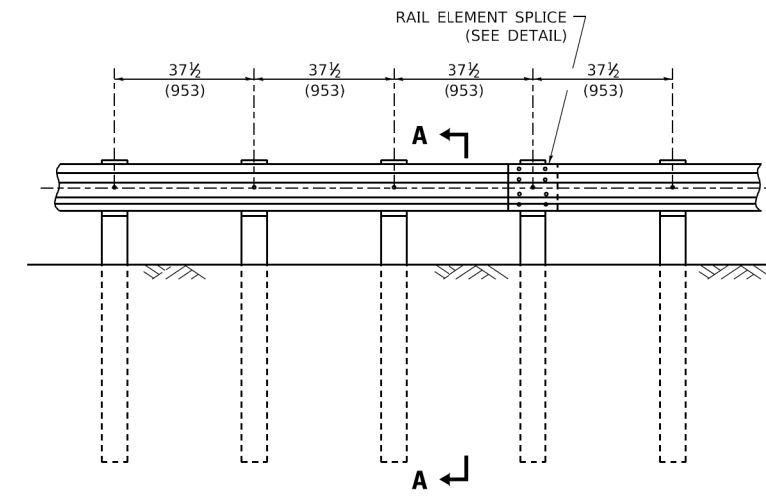
**ELEVATION**

**TYPE A**

6'-3" (1.905 M) TYPICAL POST SPACING



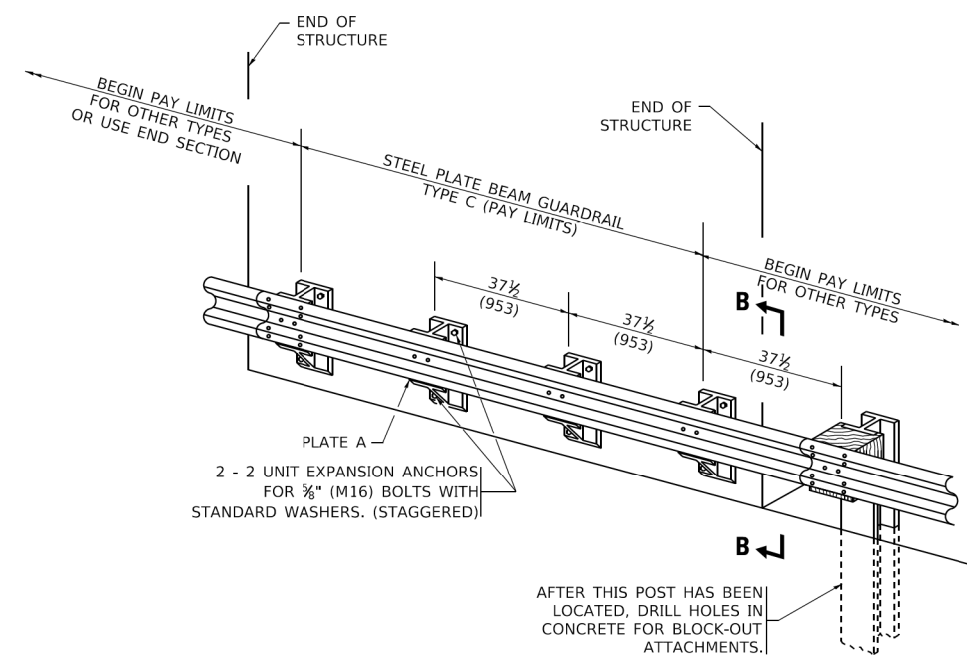
**SECTION A-A**



**ELEVATION**

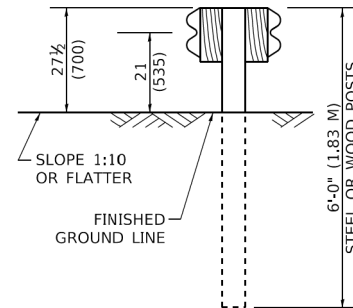
**TYPE A**

37 1/2 (953) CLOSED POST SPACING

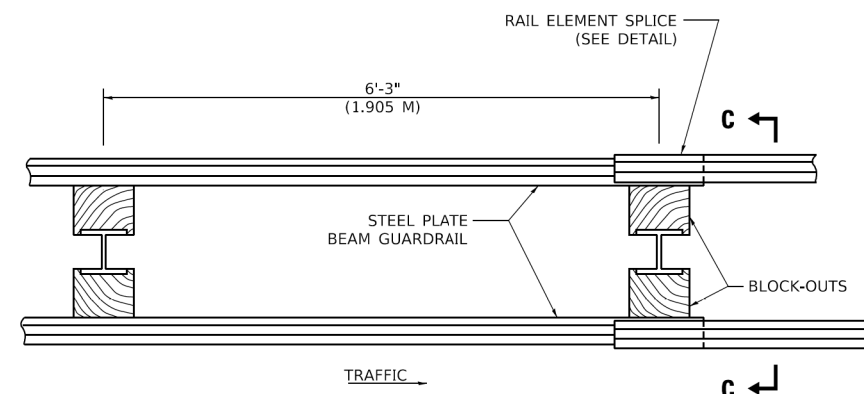


**TYPE C**

37 1/2 (953) BLOCK-OUT SPACING



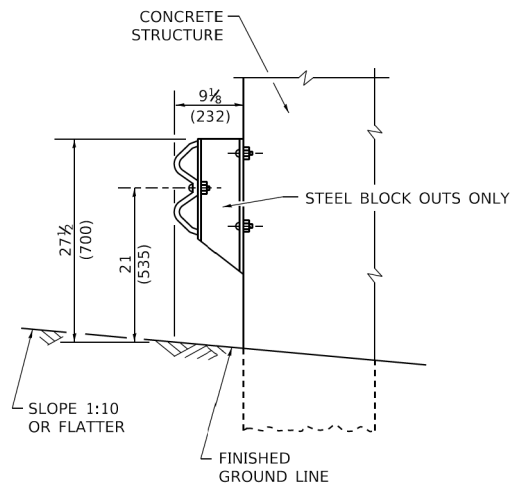
**SECTION C-C**



**PLAN**

**TYPE D**

DOUBLE STEEL PLATE BEAM GUARDRAIL  
6'-3" (1.905 M) TYPICAL POST SPACING



**SECTION B-B**

**GENERAL NOTES**

- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.
- THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

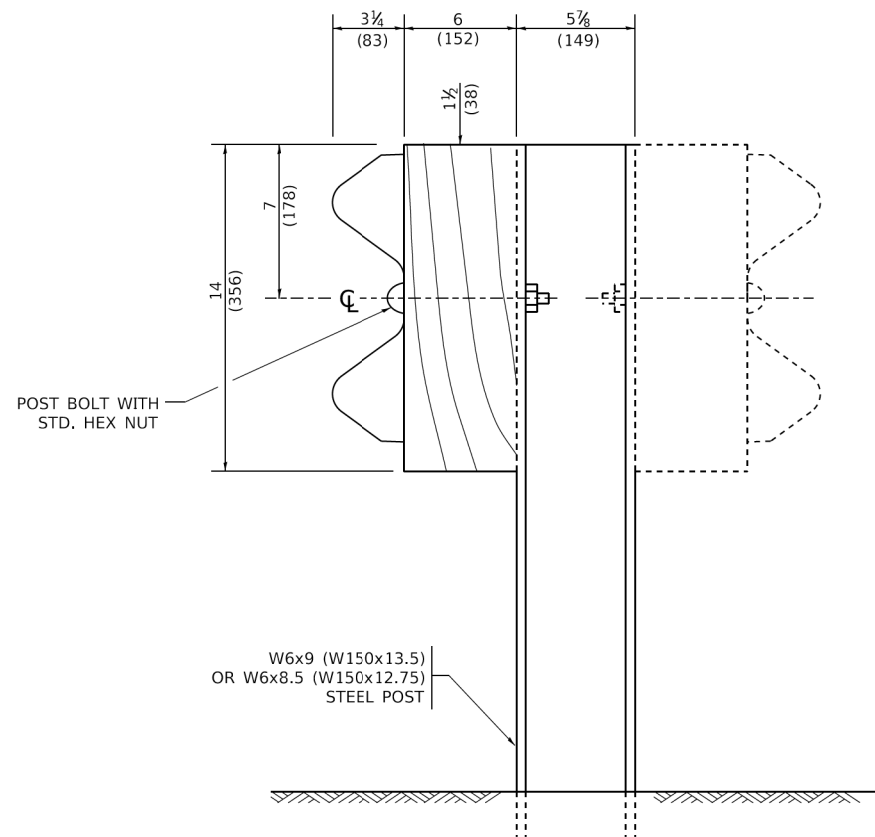
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USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/11/2019	DATE -	REVISED -

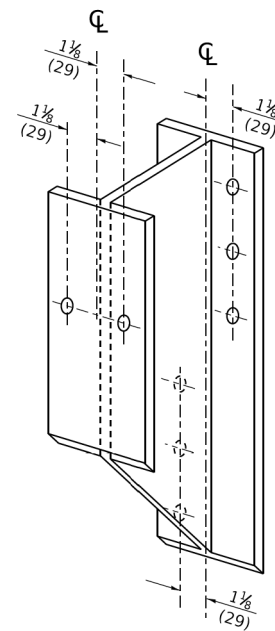
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL</b>	
SCALE: NONE	SHEET 1 OF 4 SHEETS STA. TO STA.

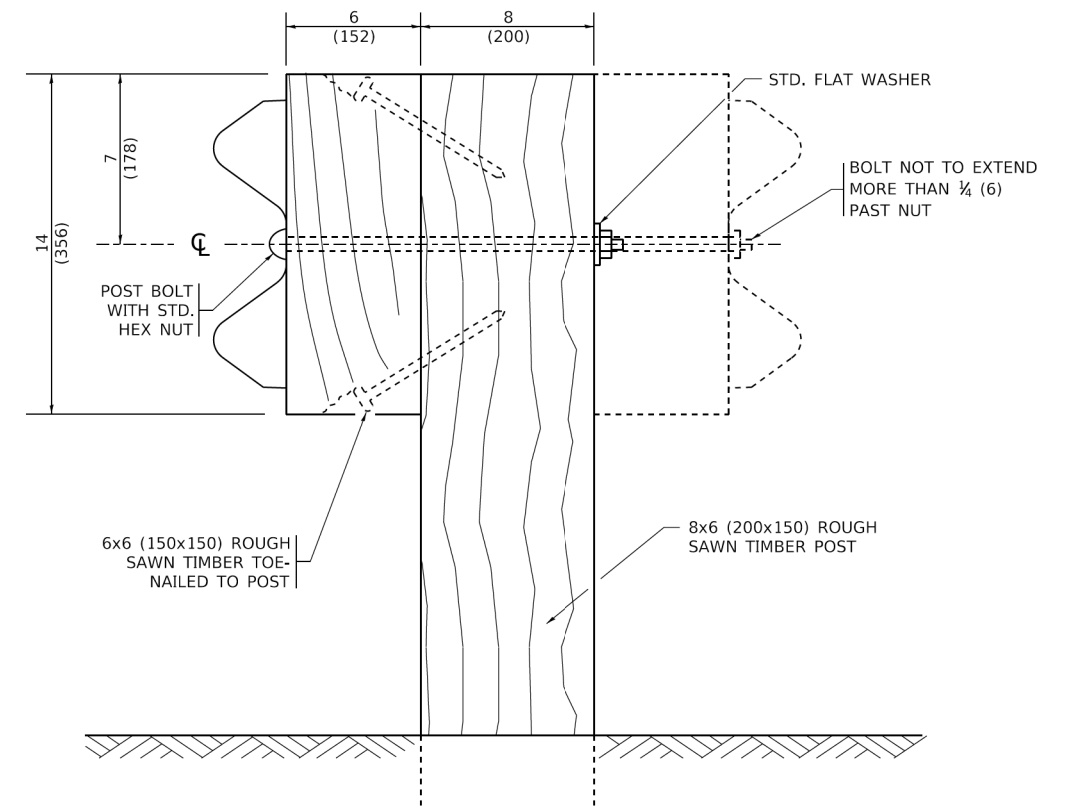
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	103
BM-21		CONTRACT NO. 61J90		
ILLINOIS		FED. AID PROJECT		



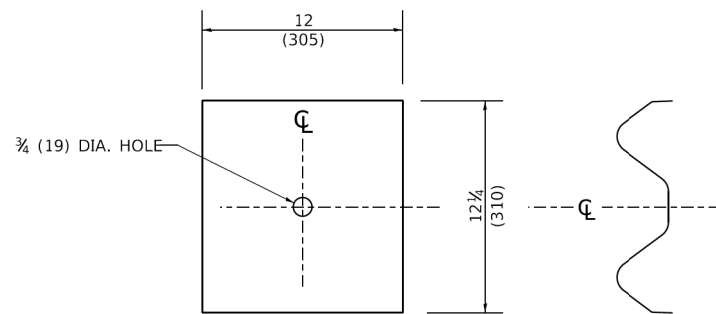
**STEEL POST CONSTRUCTION**



**STEEL BLOCK-OUT DETAIL**



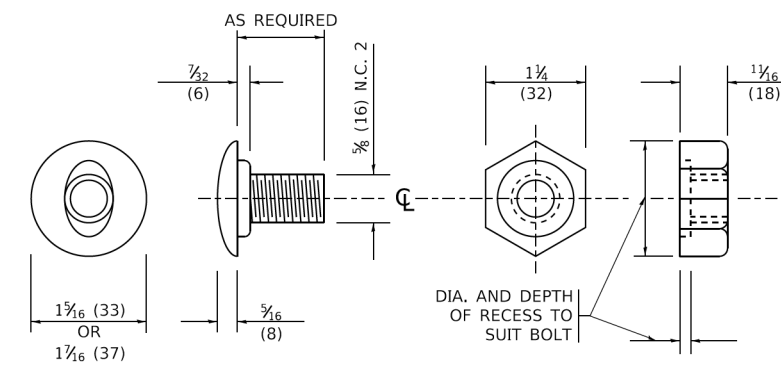
**WOOD POST CONSTRUCTION**



**NOTE:**

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

**PLATE A**



**POST OR SPLICE BOLT & NUT**

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	DRAWN -	REVISED -
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PLOT DATE = 3/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

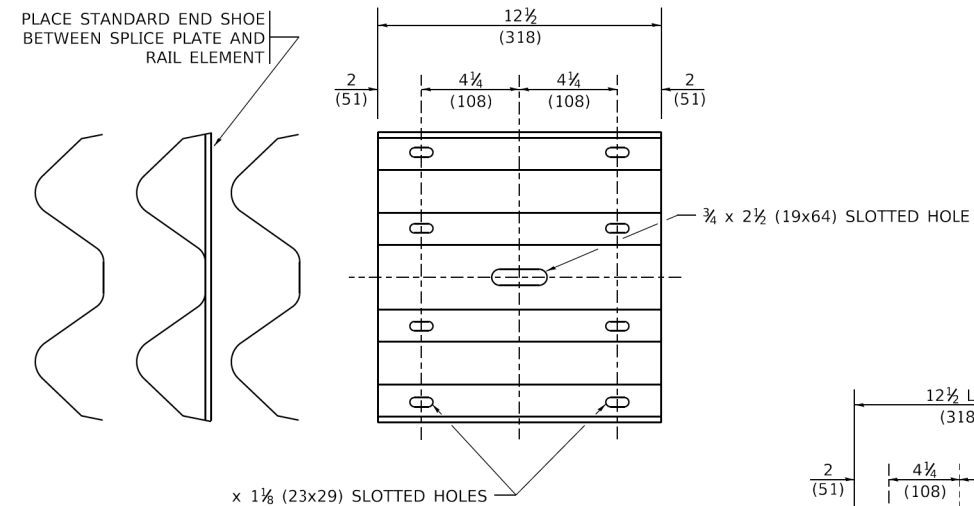
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

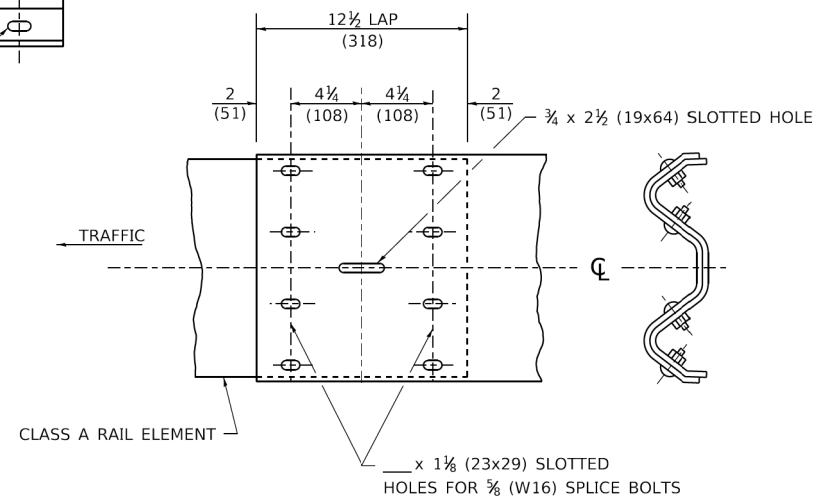
F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 104
BM-21		CONTRACT NO. 61J90		

ILLINOIS FED. AID PROJECT

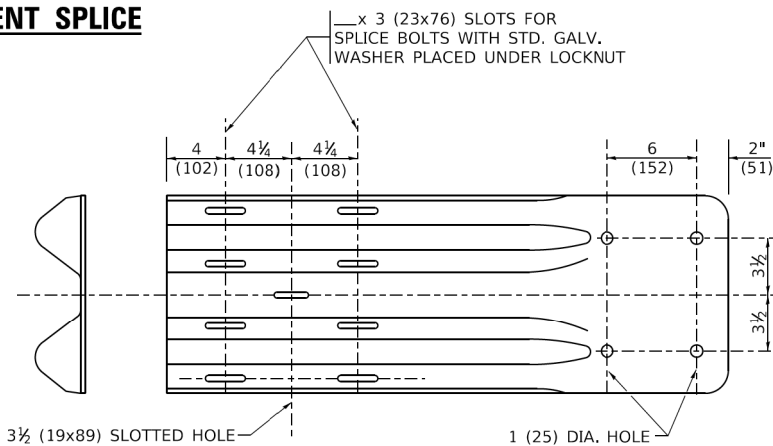




**SPLICE PLATE**



**RAIL ELEMENT SPLICE**



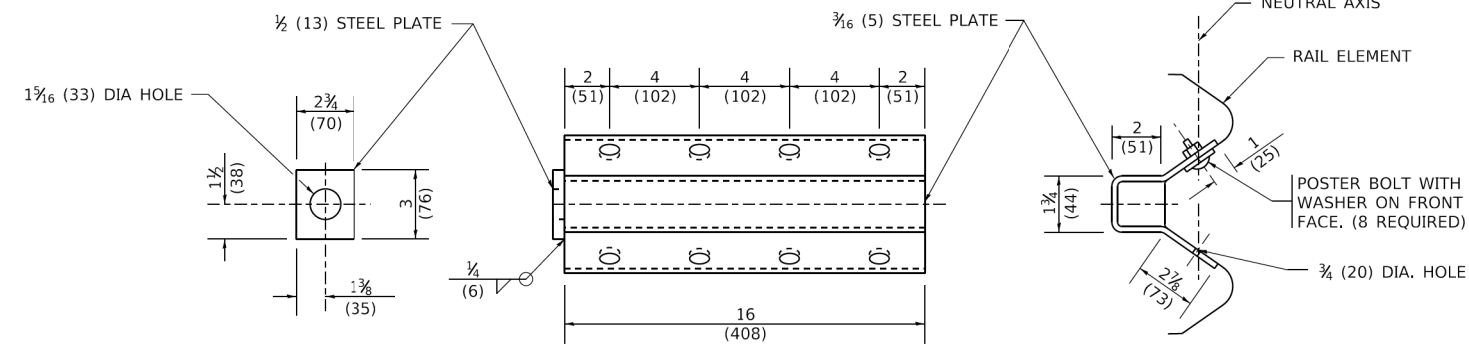
**END SHOE**

**NOTE:**

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

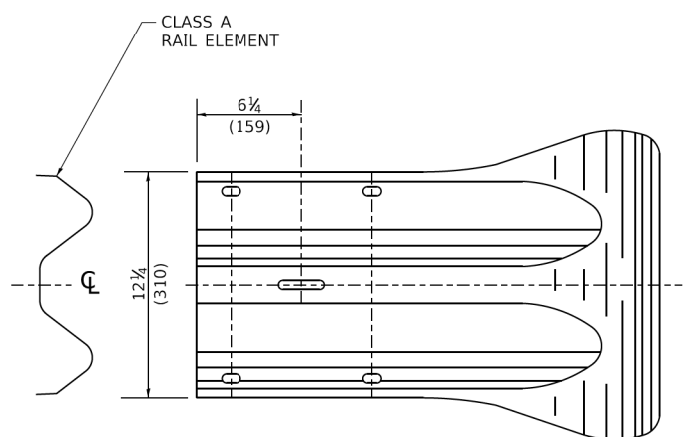
EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



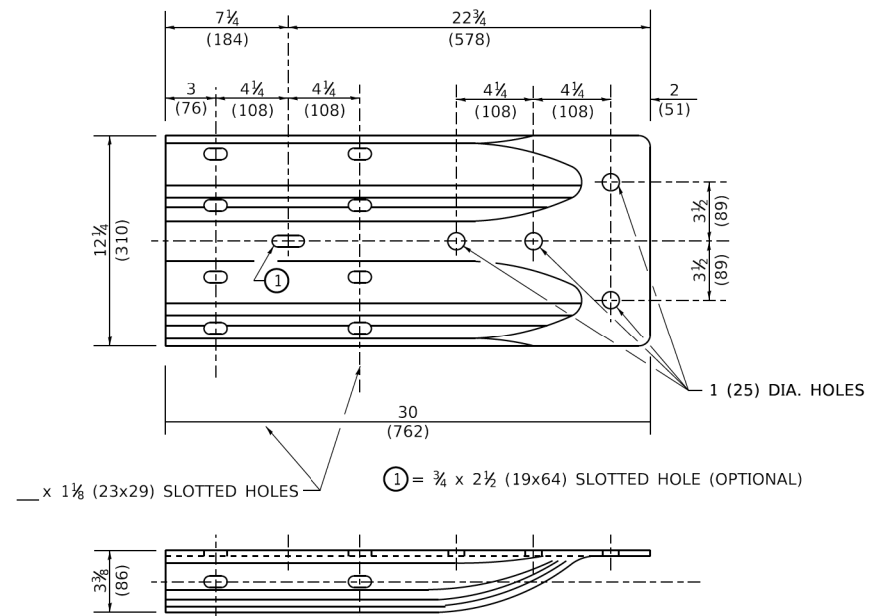
**NOTE:**

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHORE PLATE T DETAILS**



**END SECTION**



**ALTERNATE END SHOE**

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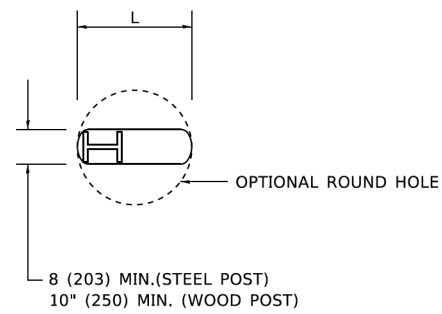
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PLOT DATE = 3/11/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

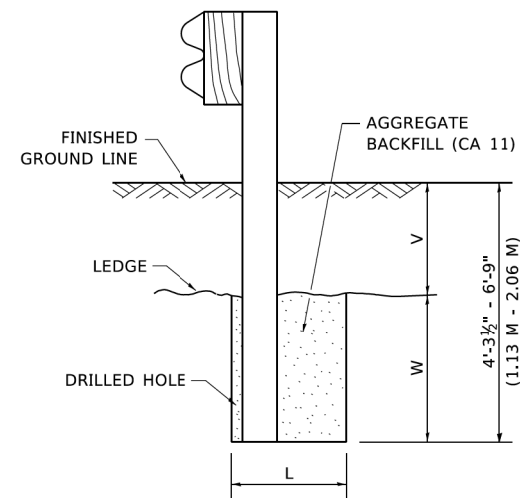
REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	105
BM-21		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				



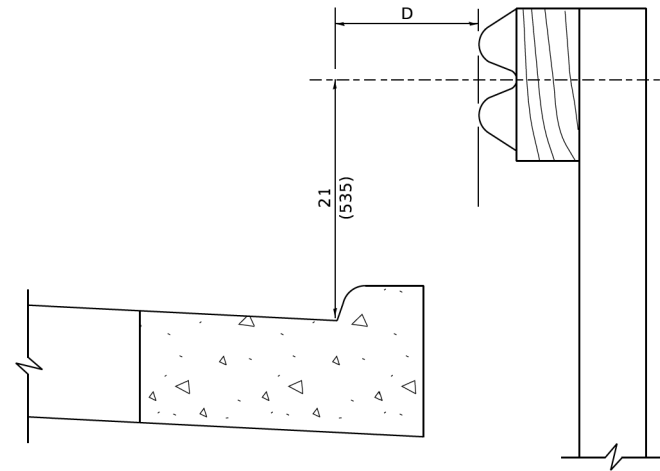
**PLAN**



**NOTE:**  
LEDGE LINE IS TOP OF ROCK  
LEDGE OR HARD SLAG FILL.

**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS  
MATERIAL IS ENCOUNTERED**



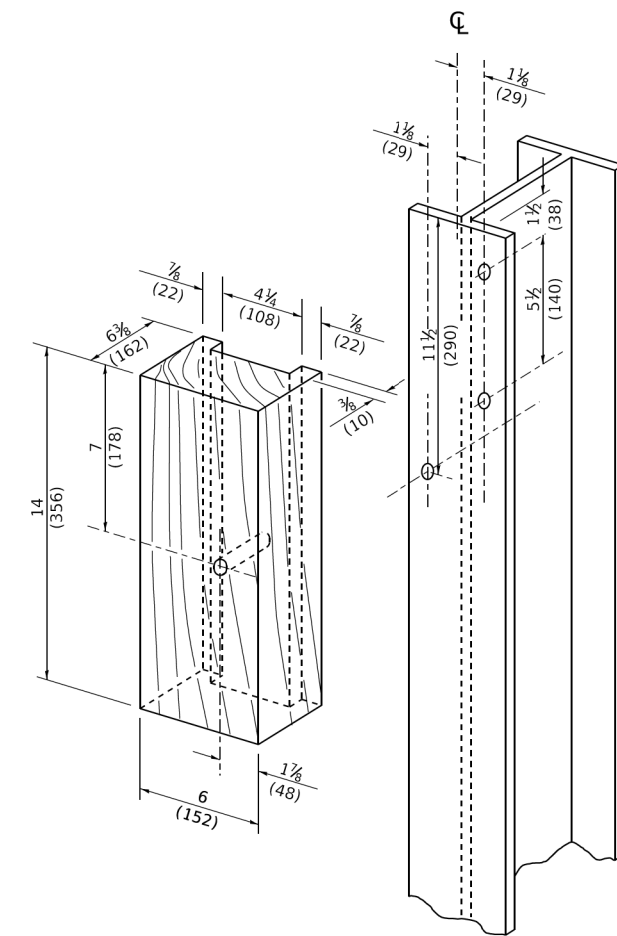
**NOTE:**

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

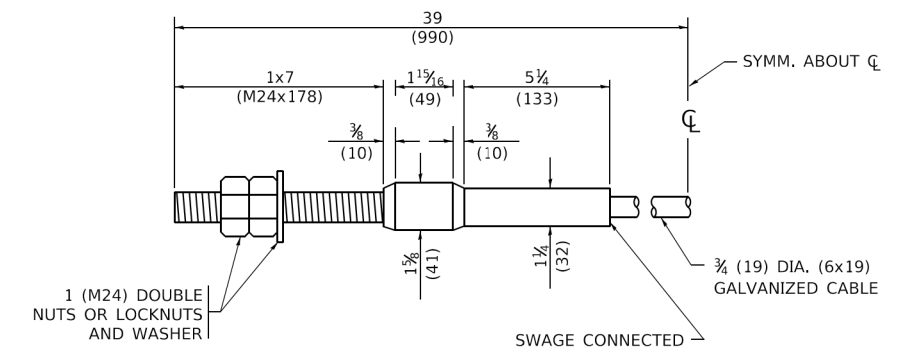
**GUARDRAIL PLACED BEHIND CURB**

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



**WOOD BLOCK - OUT AND  
STEEL POST DETAILS**



**CABLE ASSEMBLY**

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)  
TIGHTEN TO TAUT TENSION

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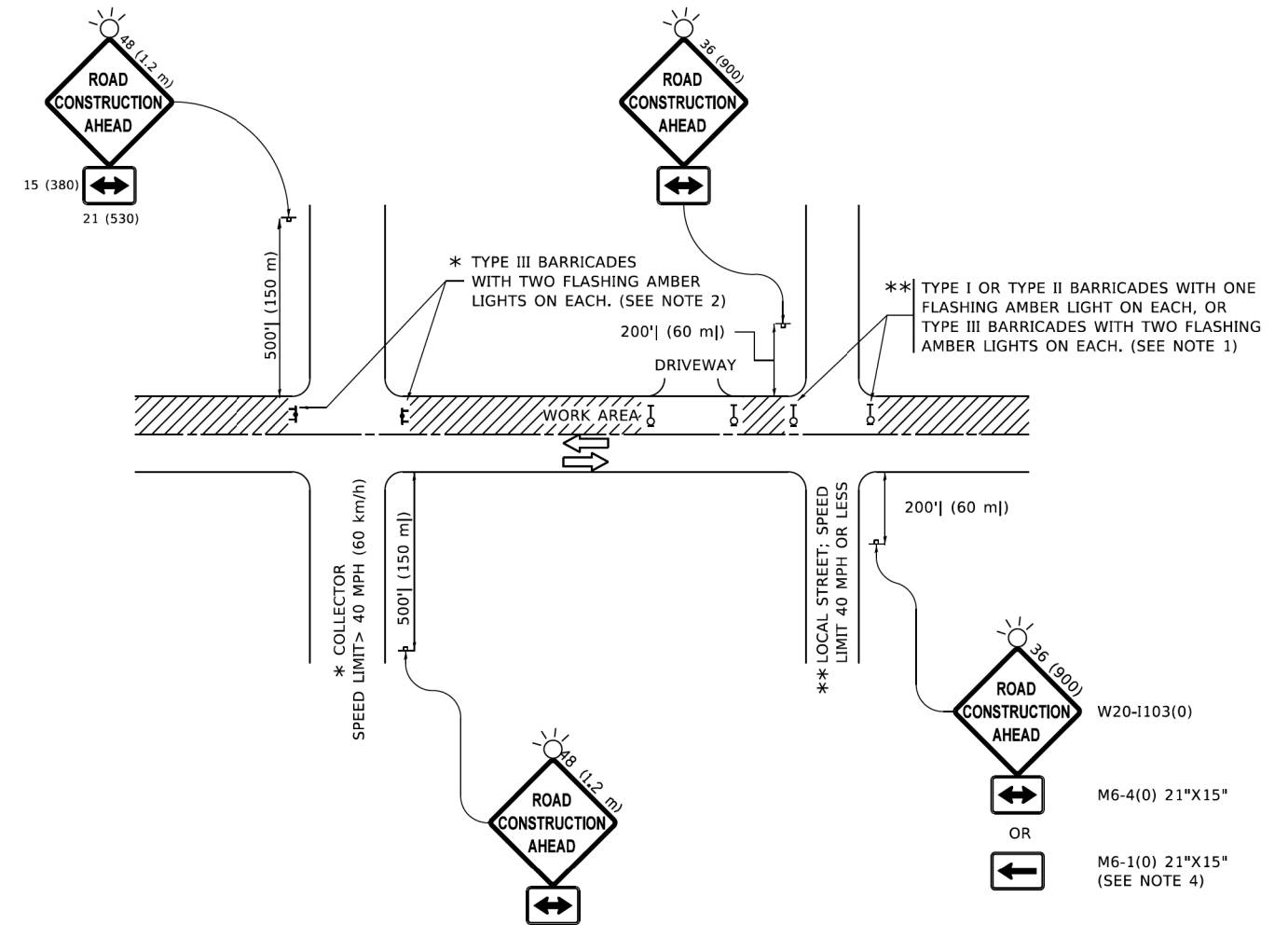
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PLOT SCALE = 50.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	106
BM-21		CONTRACT NO. 61190		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

MODEL: Default  
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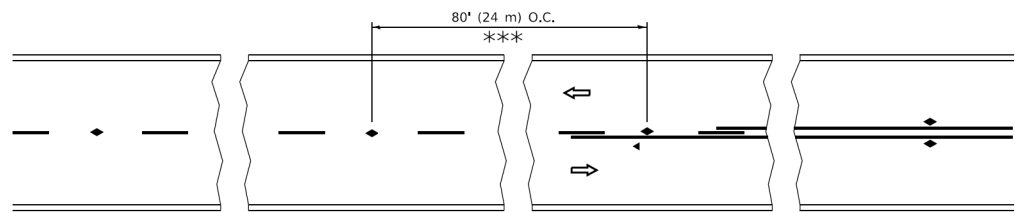
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	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

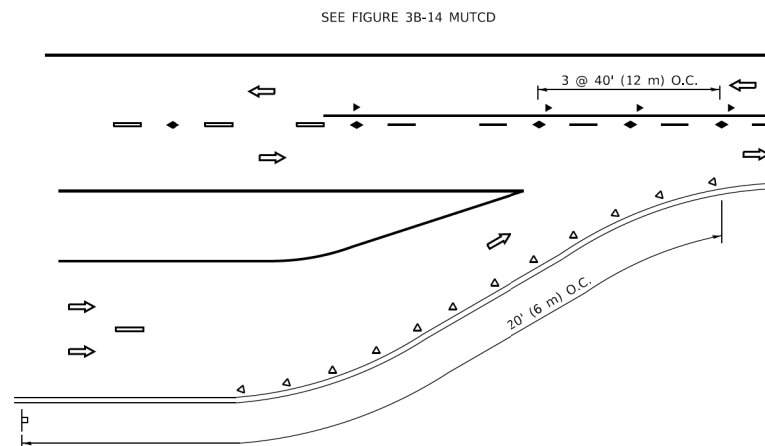
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				

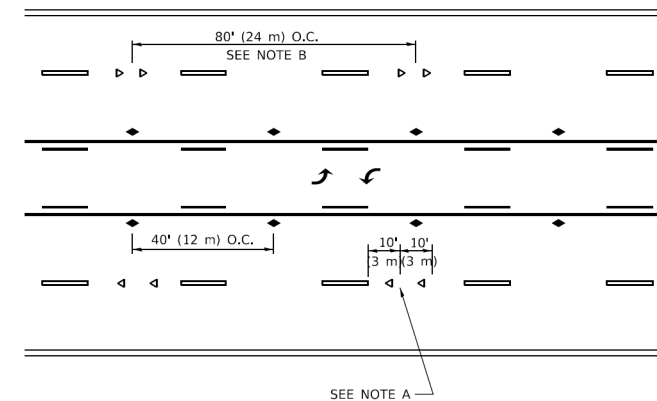


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

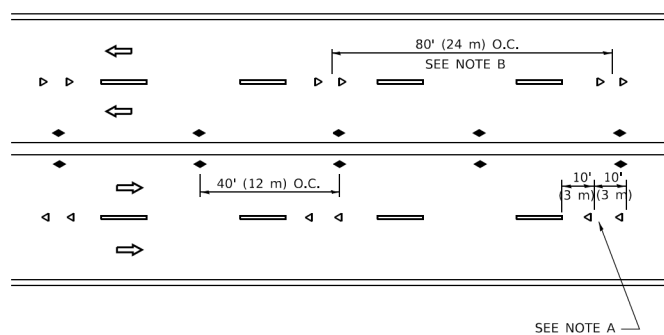
### TWO-LANE/TWO-WAY



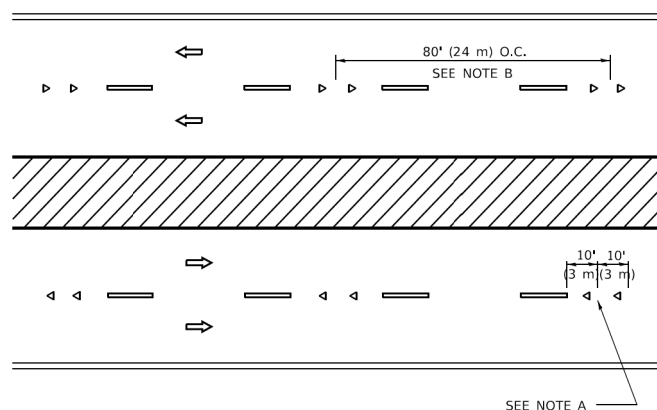
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

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

### SYMBOLS

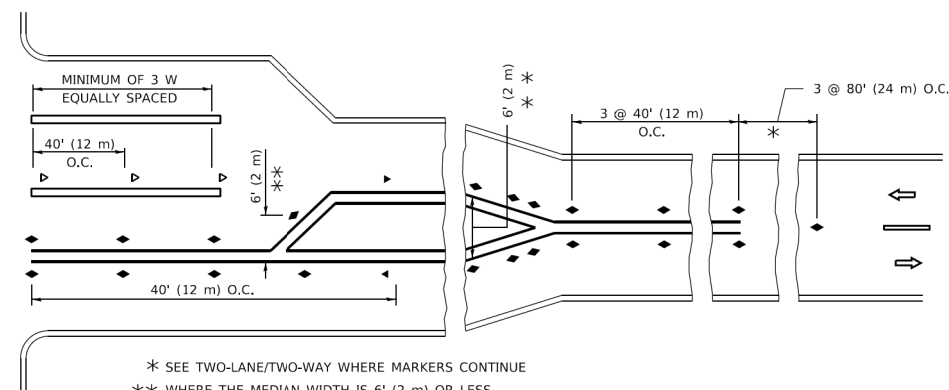
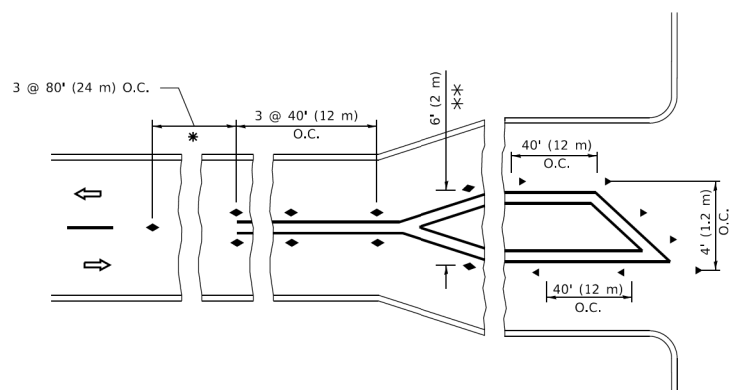
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

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

### DESIGN NOTES

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



### TURN LANES

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

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

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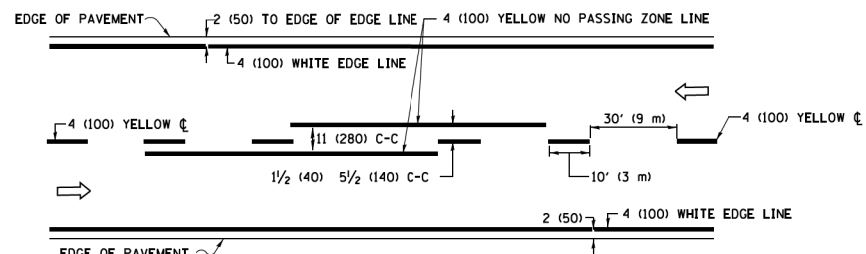
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

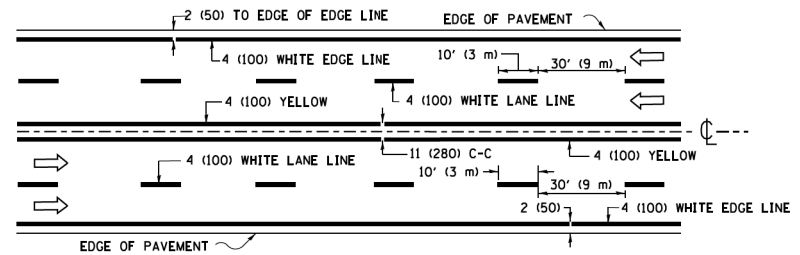
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

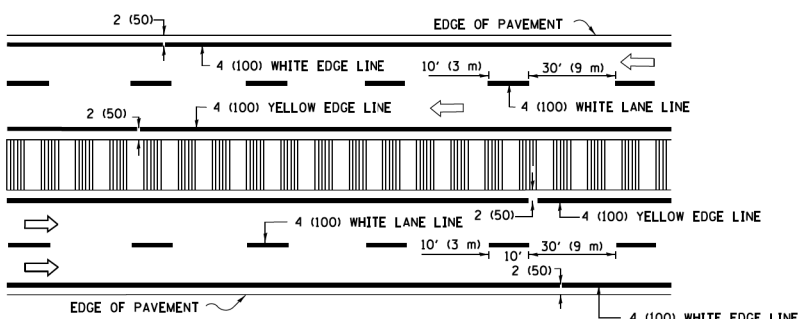
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	108
TC-11		CONTRACT NO. 6190		
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

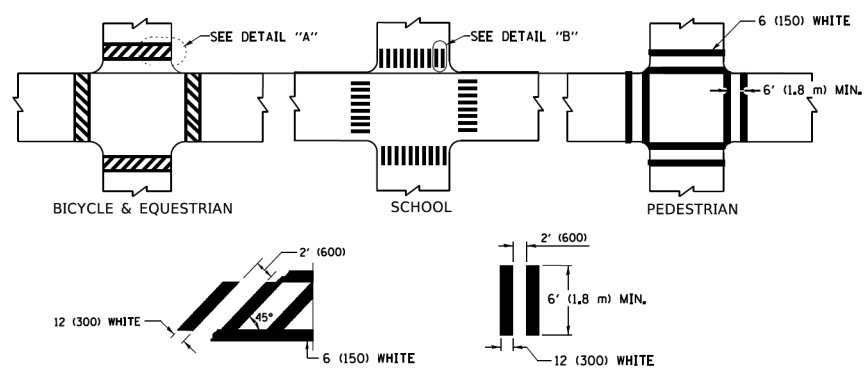


**MULTI-LANE UNDIVIDED**



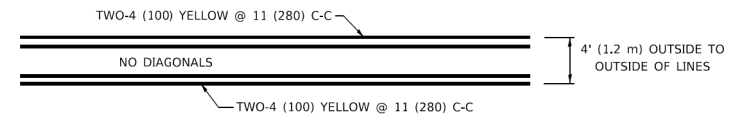
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

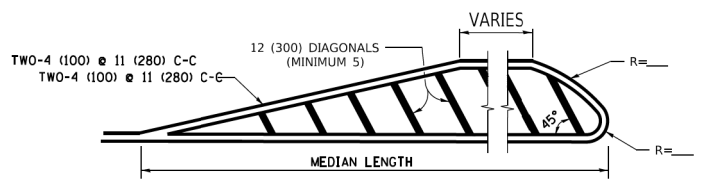


**TYPICAL CROSSWALK MARKING**

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

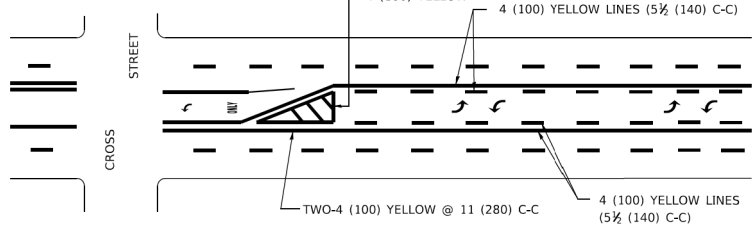


**4' (1.2 m) WIDE MEDIANS ONLY**



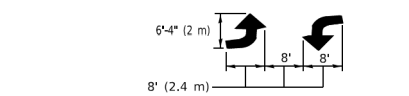
**MEDIANS OVER 4' (1.2 m) WIDE**

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

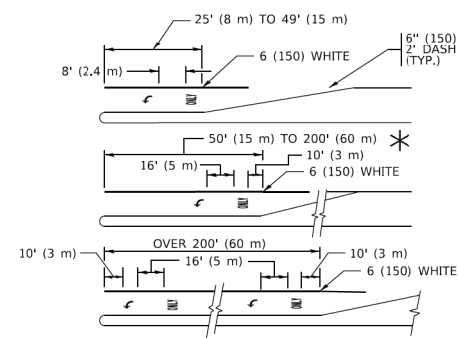


**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

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

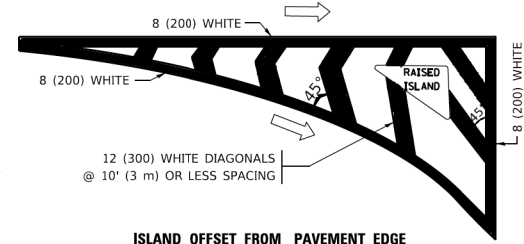


**TYPICAL LEFT (OR RIGHT) TURN LANE MARKING**

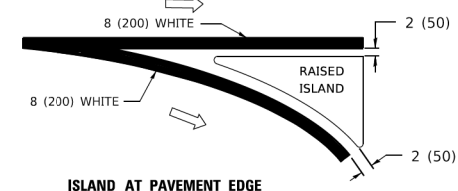


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL TURN LANE MARKING**

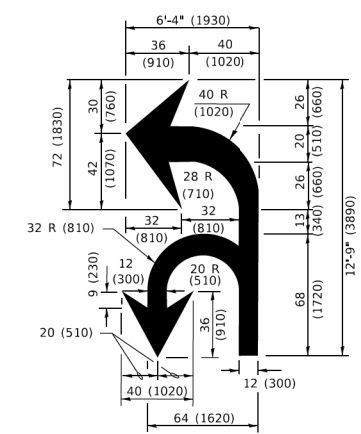


**ISLAND OFFSET FROM PAVEMENT EDGE**

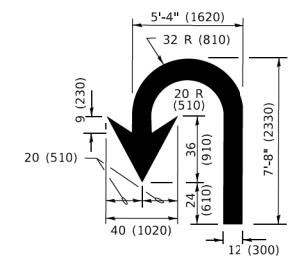


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

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

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

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

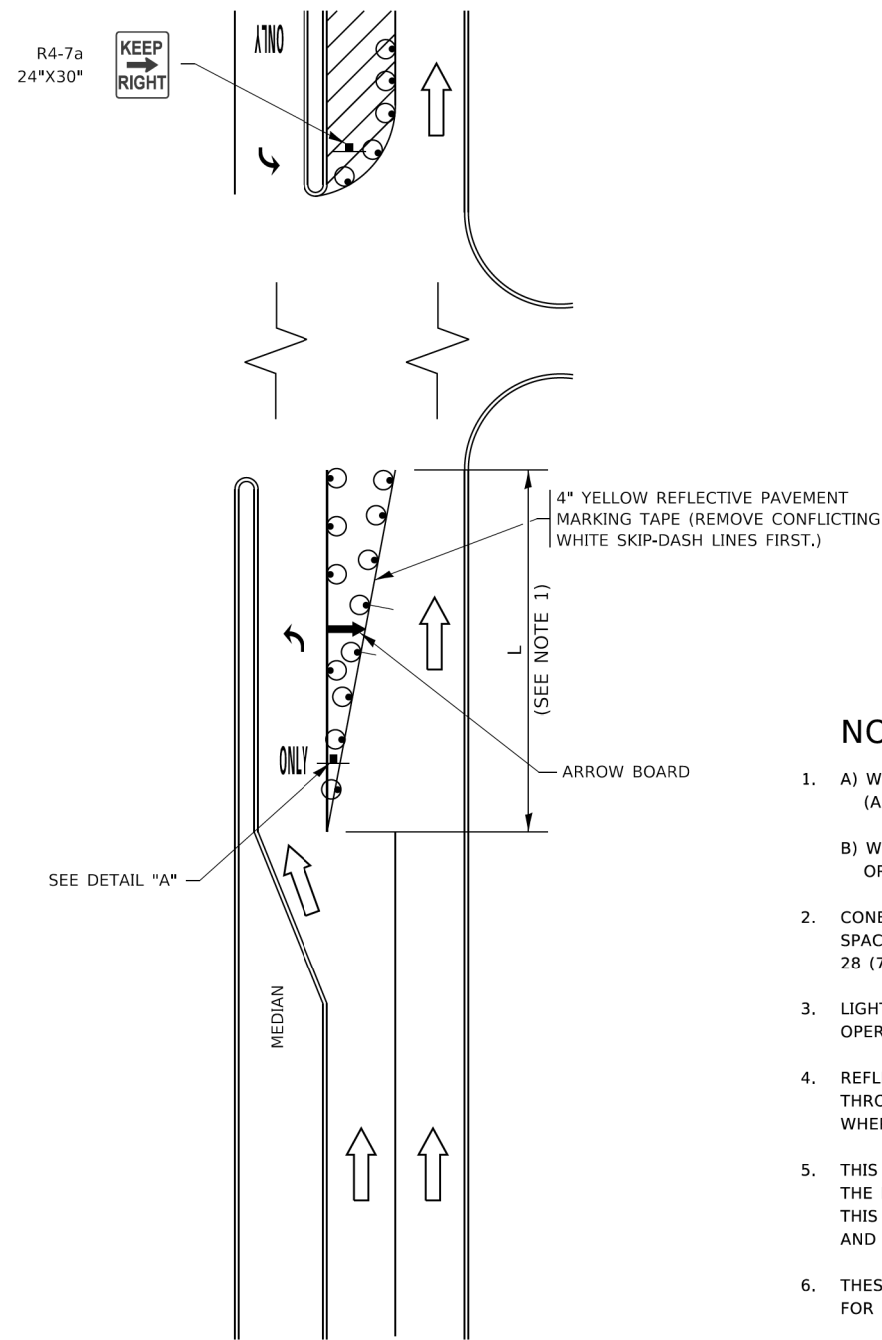
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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.00000 ' / ft.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

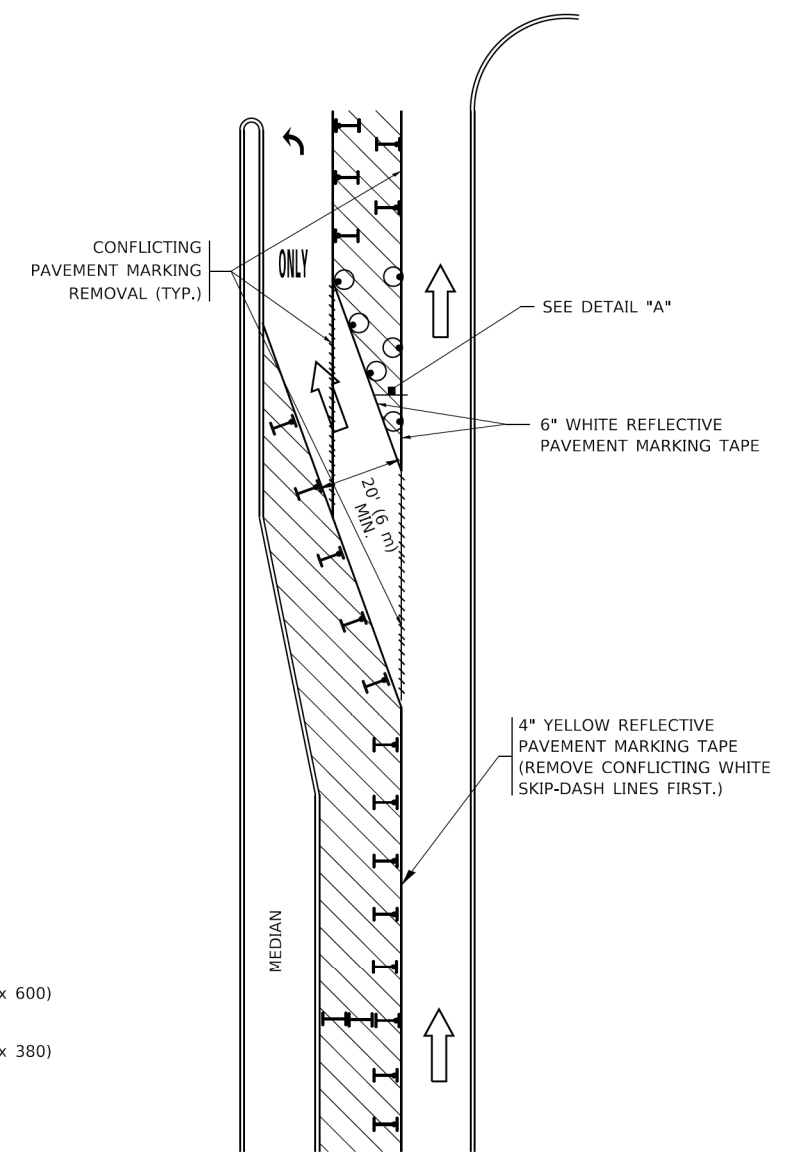
<b>DISTRICT ONE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		345B	15-00082-00-CH	COOK	122	109
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	<b>TC-13</b>		
				ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61J90

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



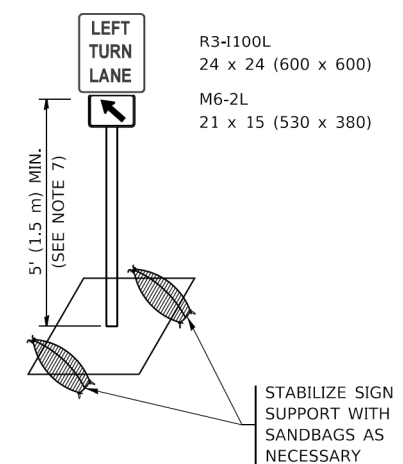
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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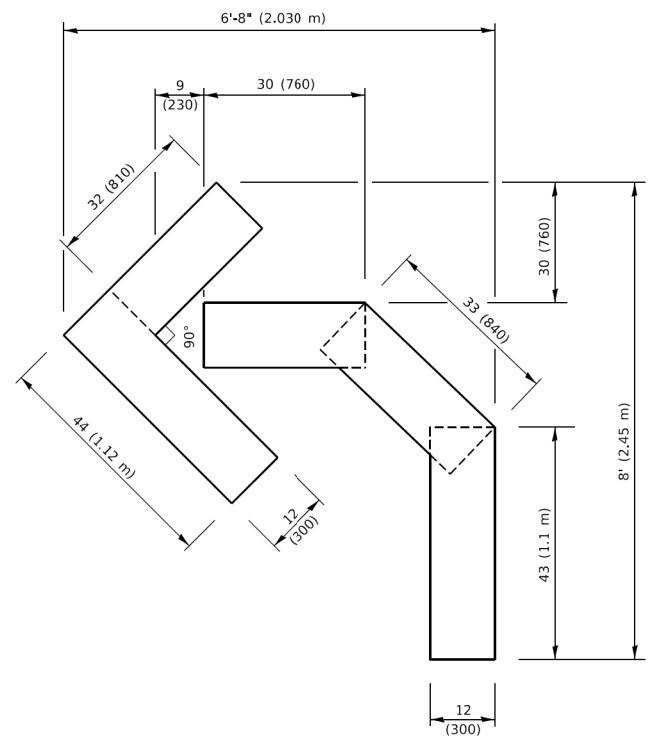
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

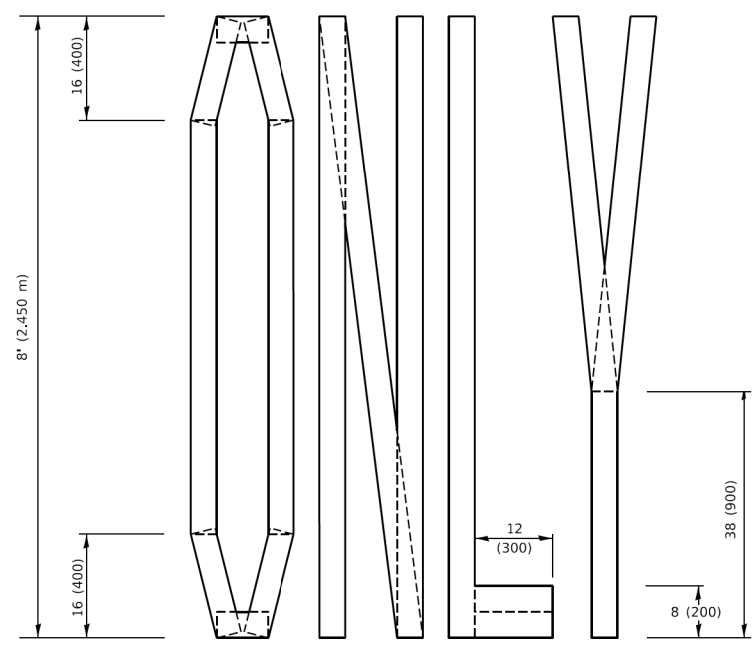
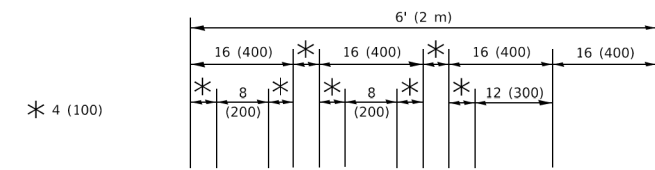
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

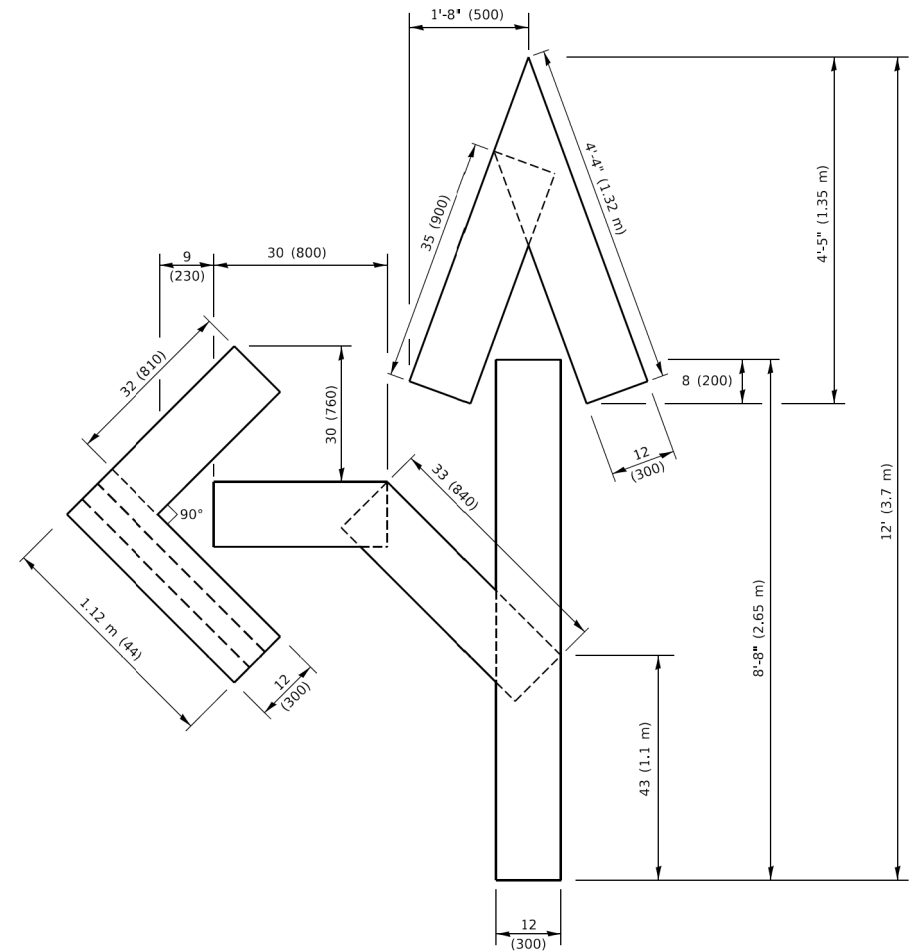
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	111
TC-14		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				



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

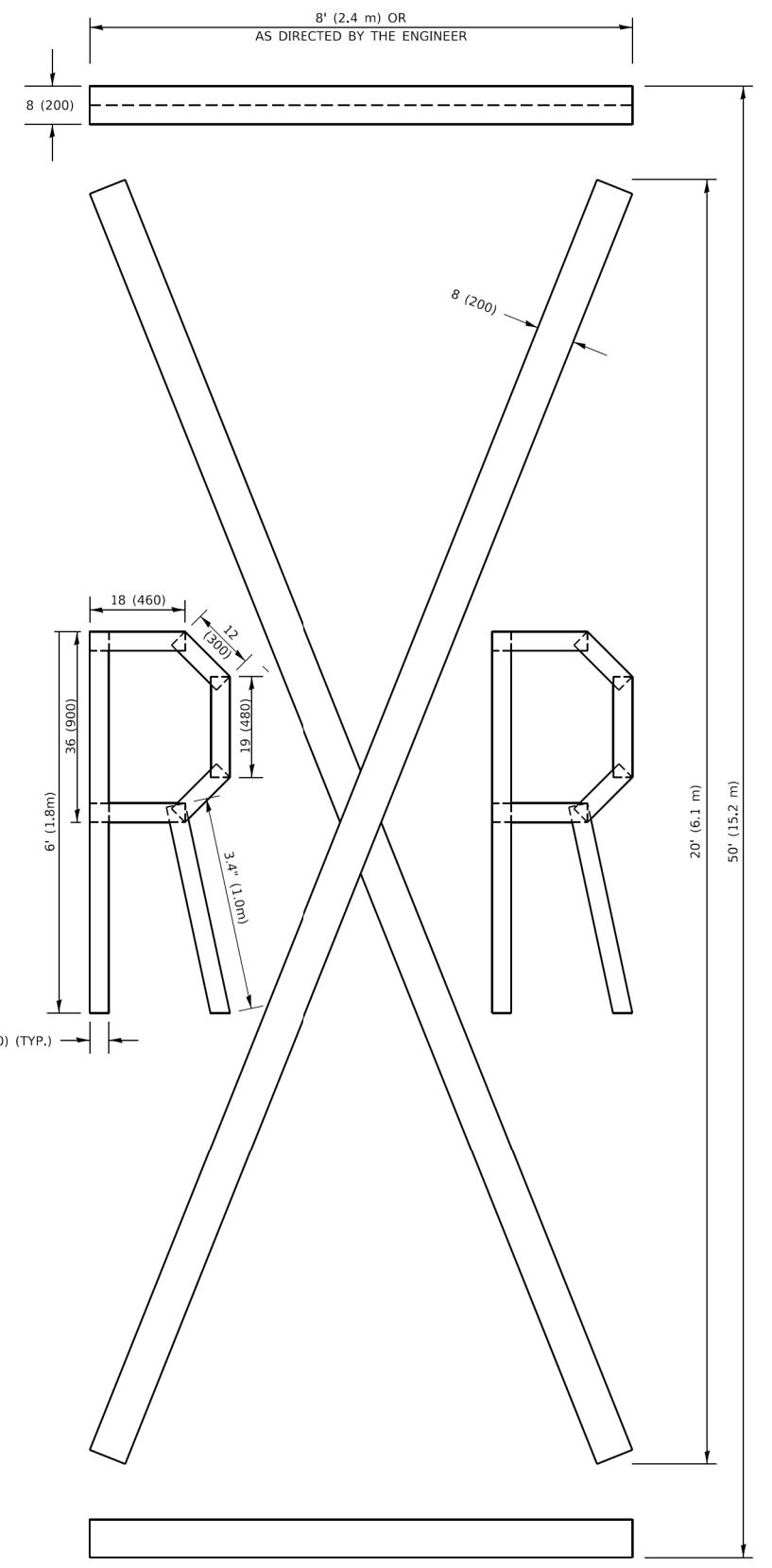


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

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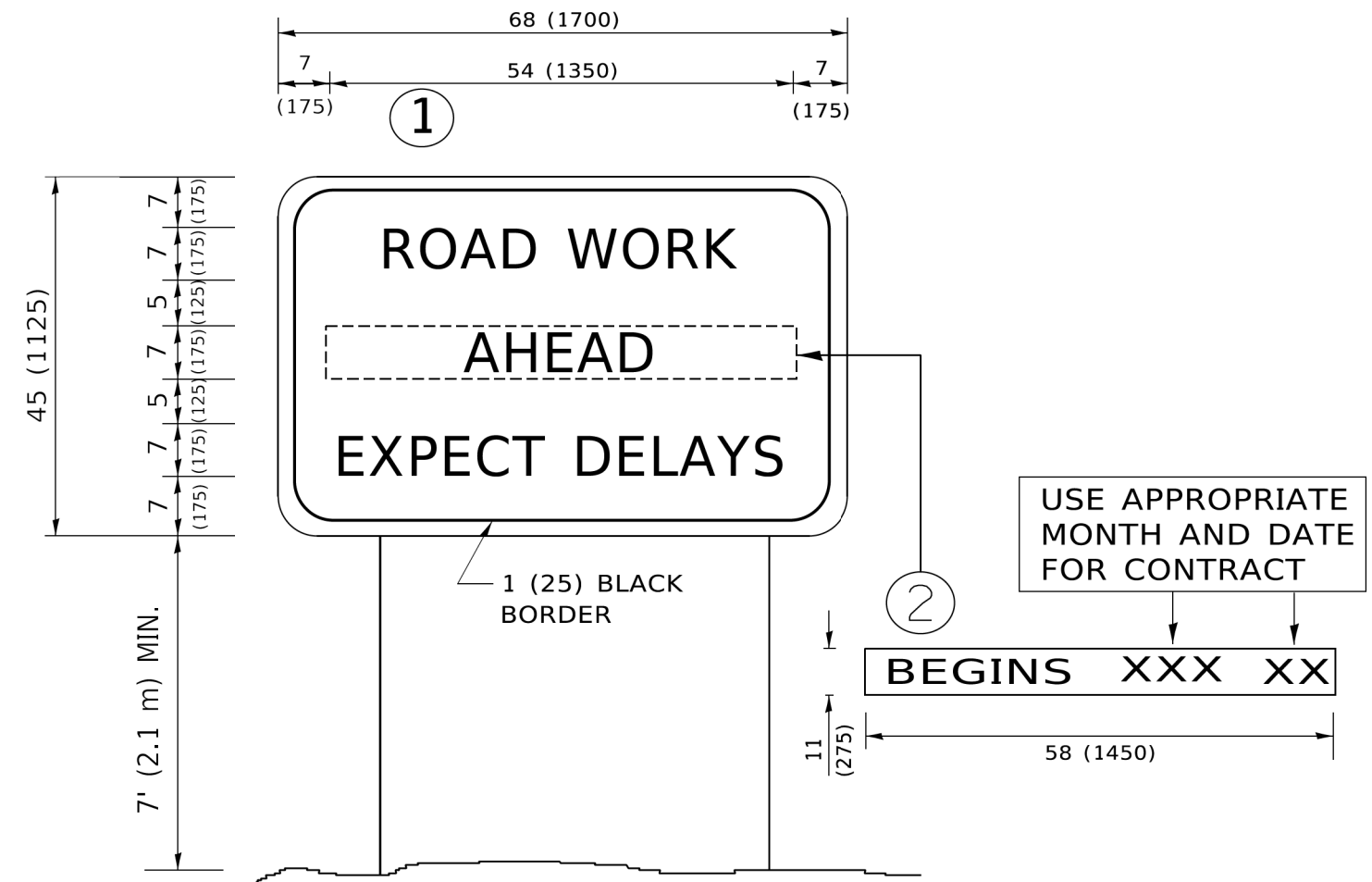
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068" / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	110
<b>TC-16</b>		CONTRACT NO. 6190		
		ILLINOIS FED. AID PROJECT		



**NOTES:**

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

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

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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

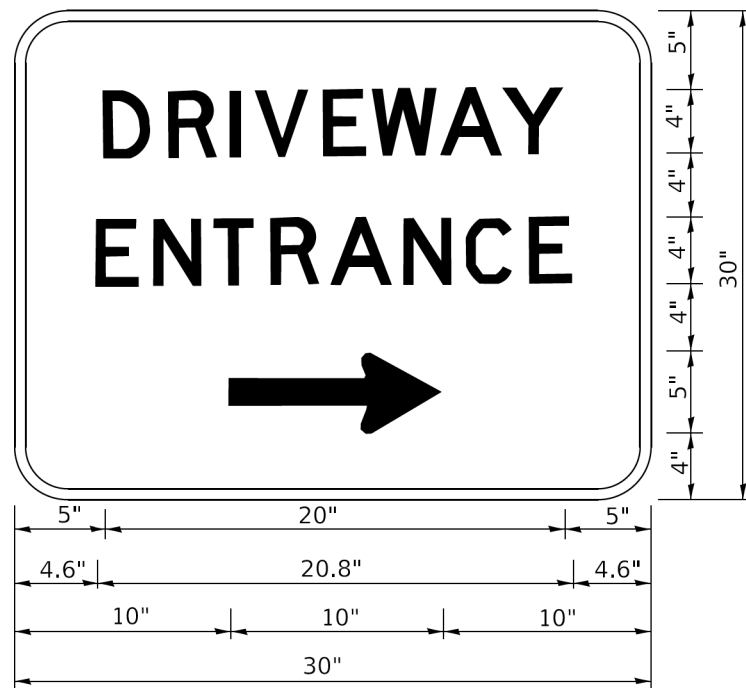
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	112
<b>TC-22</b>		CONTRACT NO. 6190		
ILLINOIS FED. AID PROJECT				





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

**NOTES:**

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

MODEL: Default  
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	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

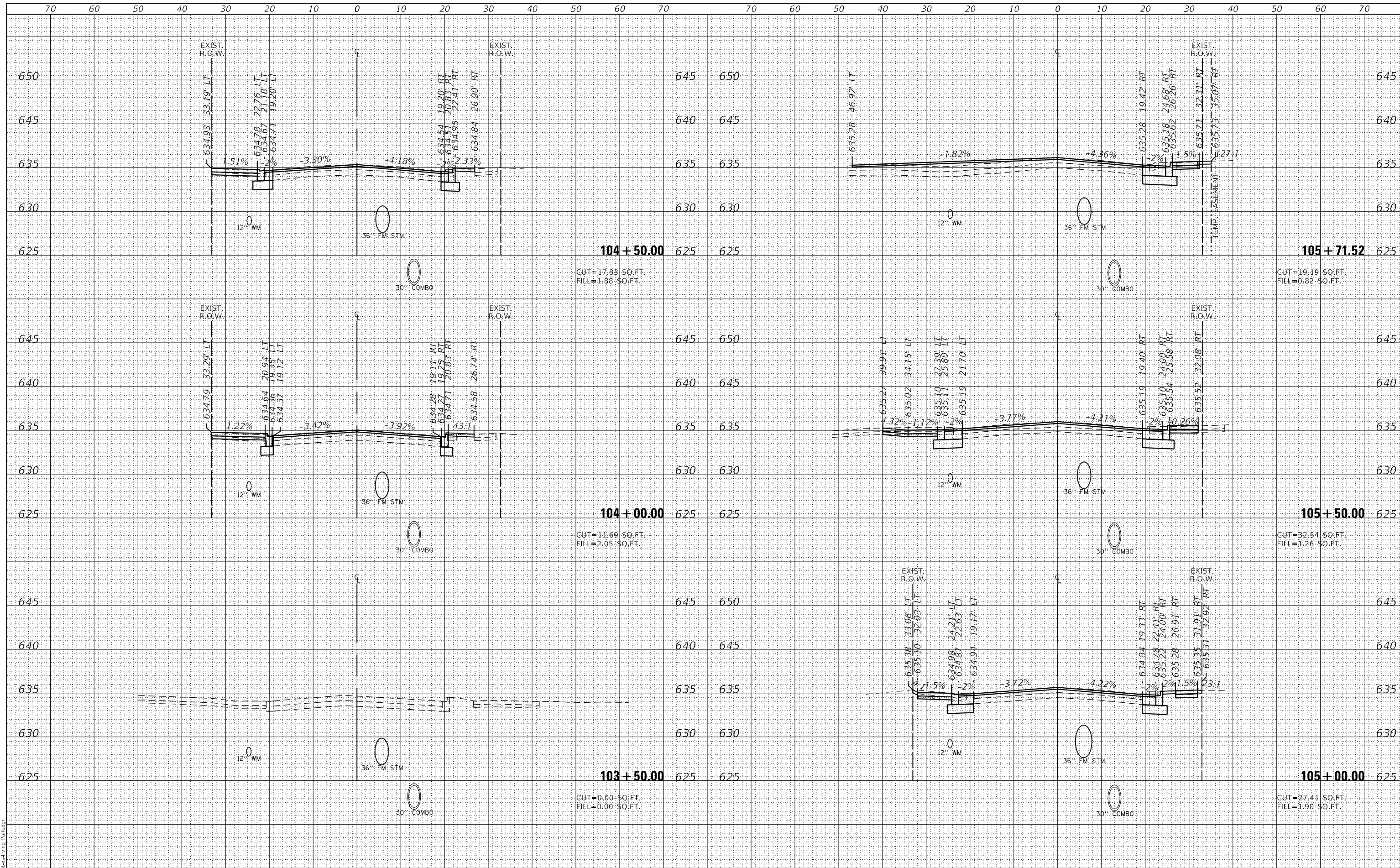
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F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345B	15-00082-00-CH	COOK	122	113
<b>TC-26</b>			CONTRACT NO. 61190	
ILLINOIS FED. AID PROJECT				

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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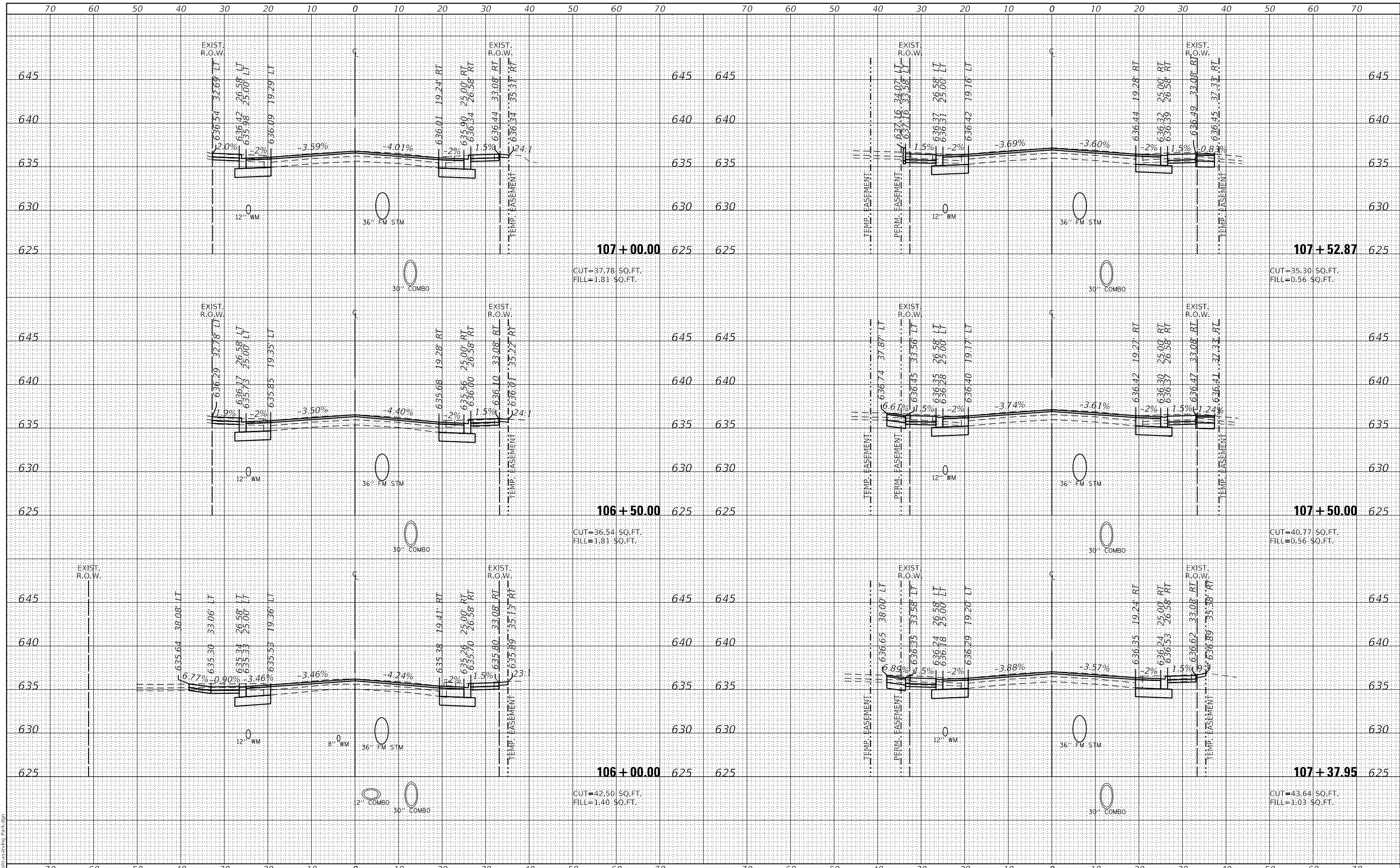


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PLOT SCALE = 1:20		CHECKED - KLB	REVISED -		SCALE: H: 1"=10'	SHEET 1 OF 7 SHEETS	STA. 103+50.00 TO STA. 105+71.52	CONTRACT NO. 61190		ILLINOIS FED. AID PROJECT		
PLOT DATE = 7/25/2024		DATE - 7/26/2024	REVISED -		V:1"=5'							
XS_SHEET_temporary_model_name_1												

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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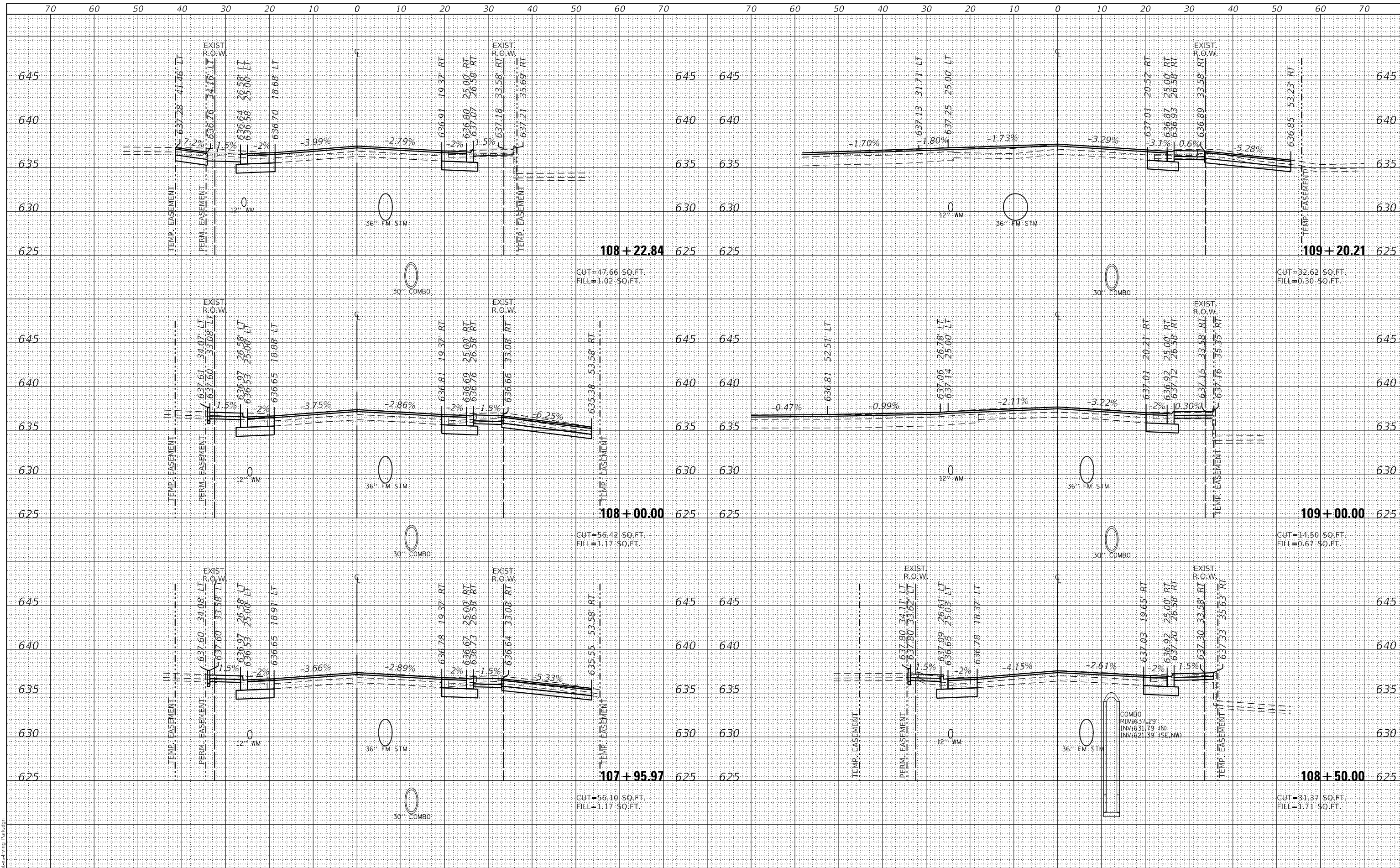


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PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISOR -	V: 1"=5'						

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

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NO.	TEMPLATE
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**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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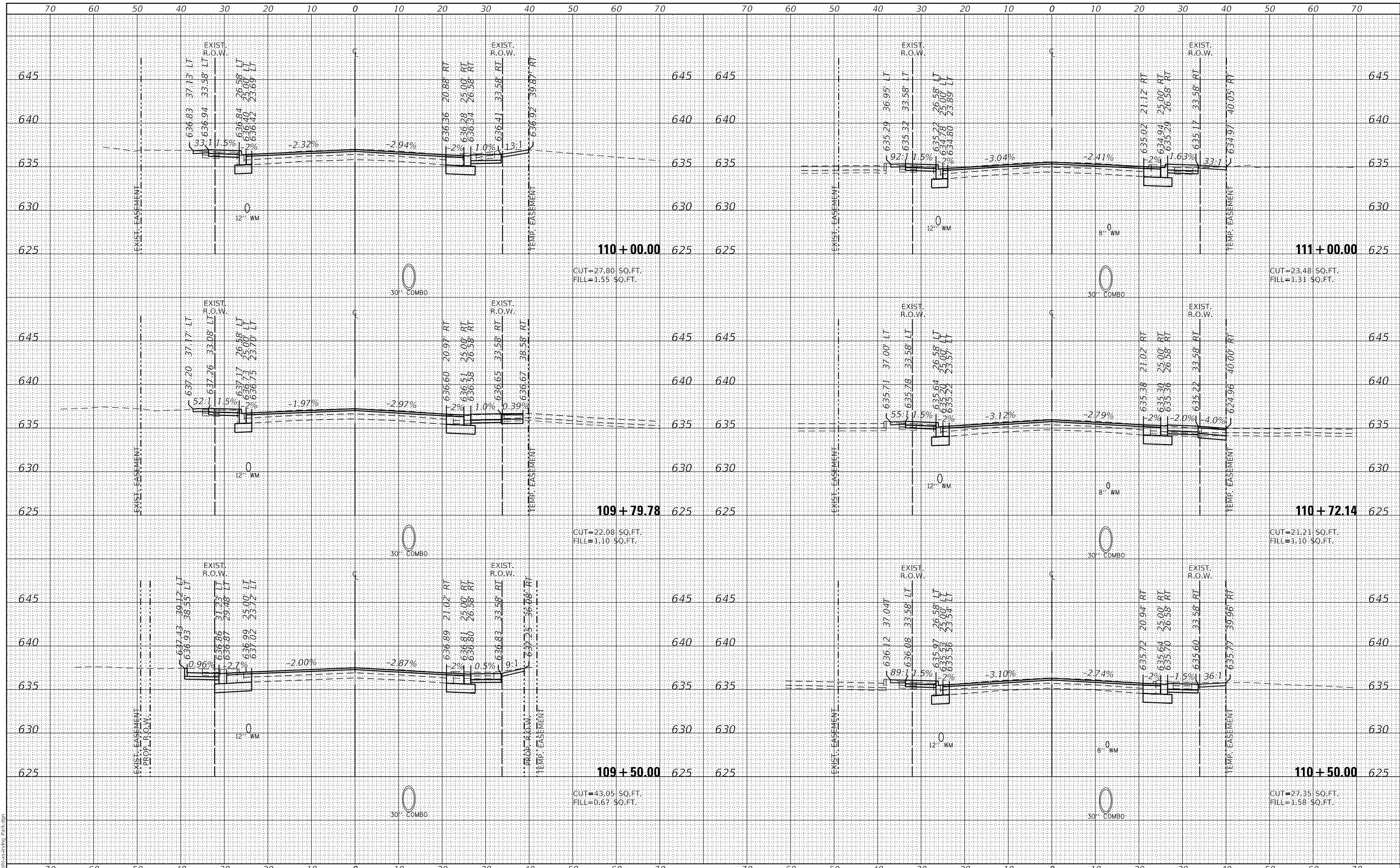


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DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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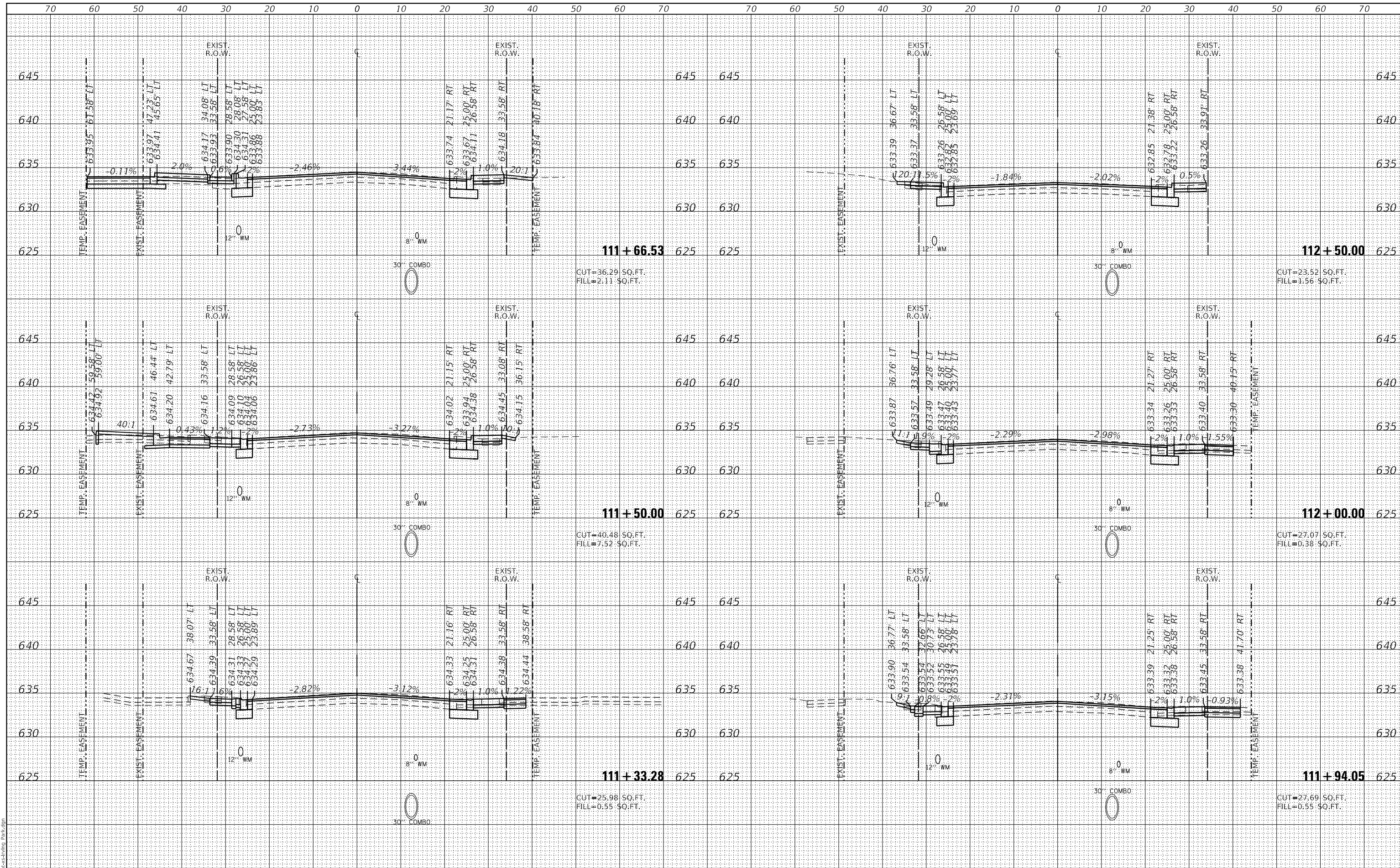


FILE NAME = 4999-sht-xs-Irving Park.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS - IRVING PARK ROAD</b> <b>SCHILLER PARK, IL</b>			F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 117
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PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISOR -	V:1"=5'									
CUT=43.05 SQ.FT. FILL=0.67 SQ.FT.      CUT=27.80 SQ.FT. FILL=1.55 SQ.FT.      CUT=23.48 SQ.FT. FILL=1.31 SQ.FT.												

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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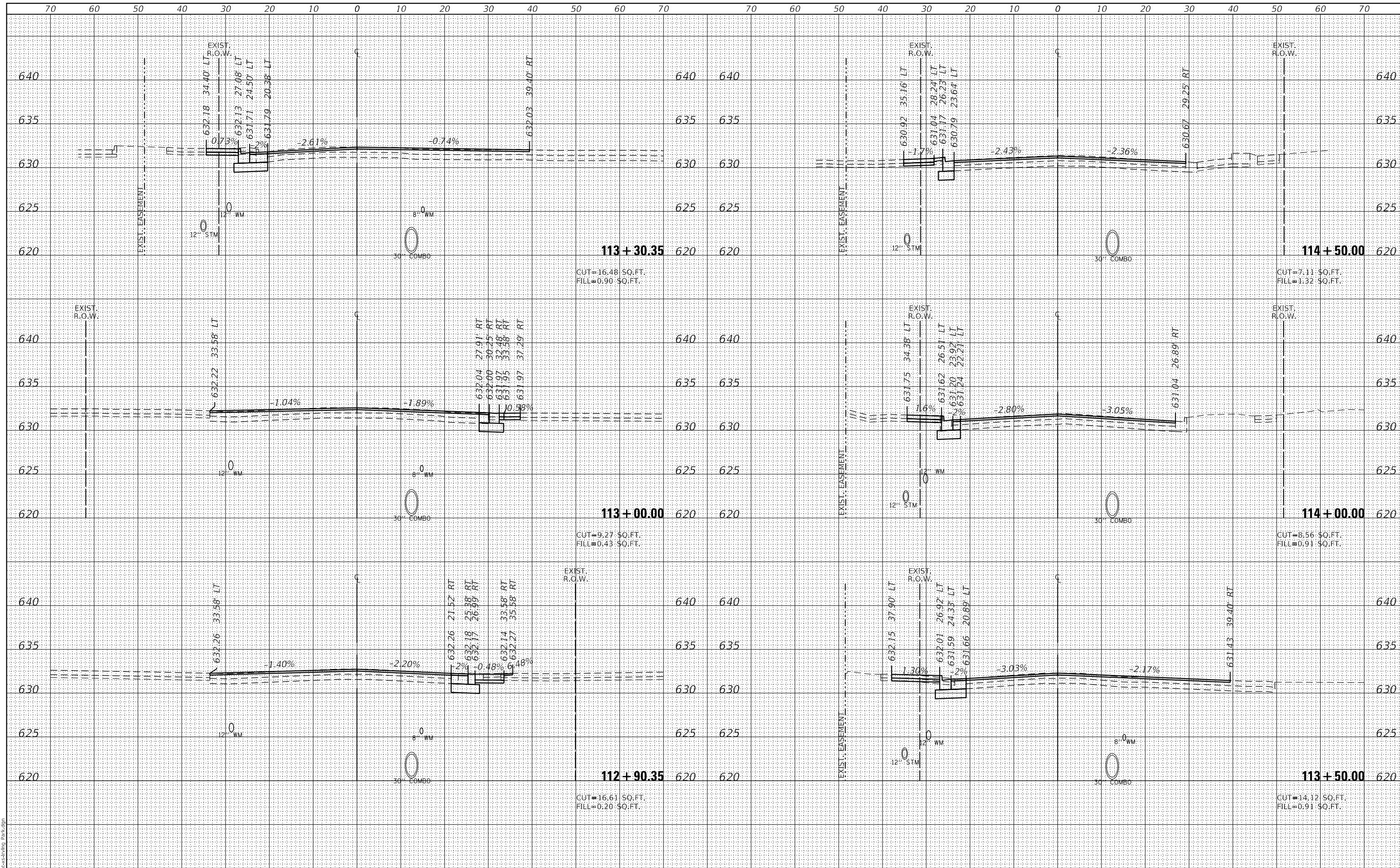


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PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -	REVISED -		SCALE: H: 1"=10'		SHEET 5 OF 7 SHEETS		STA. 111+33.28 TO STA. 112+50.00	
					V: 1"=5'					

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: XS\_SHEET\_temporary\_model\_name\_6  
 FILE NAME: 4999-sht-xs-Irving Park.dgn  
 XS\_SHEET\_temporary\_model\_name\_6

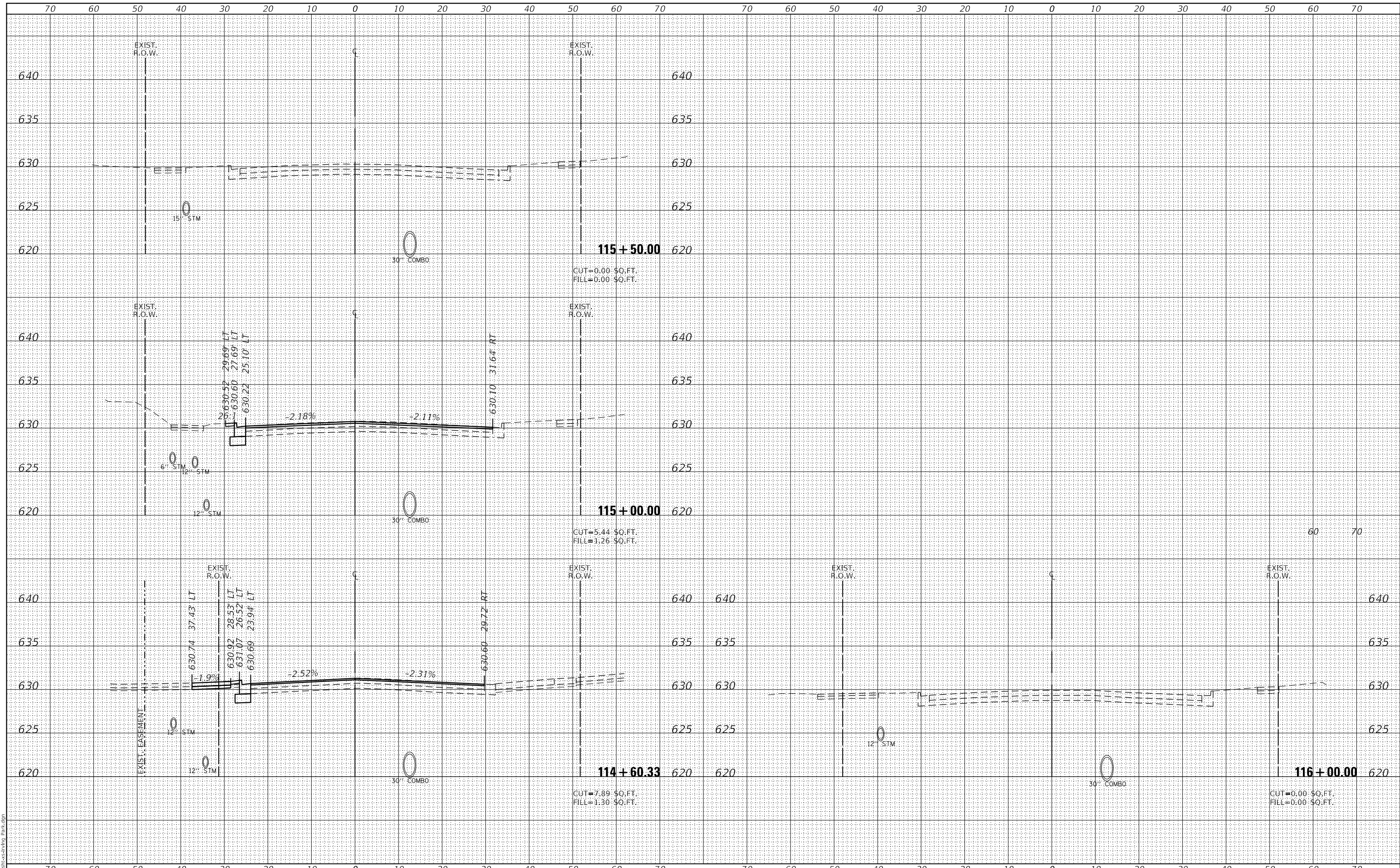


FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS - IRVING PARK ROAD</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4999-sht-xs-Irving Park.dgn		DRAWN - DGO	REVISED -		345B	15-00082-00-CH	COOK	122	119			
4999.1		CHECKED - KLB	REVISED -		CONTRACT NO. 61190							
XS_SHEET_temporary_model_name_6		DATE - 7/26/2024	REVISED -		SCALE: H: 1"=10'	SHEET 6 OF 7 SHEETS	STA. 112+90.35 TO STA. 114+50.00	ILLINOIS FED. AID PROJECT				

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: XS\_SHEET\_temporary\_model\_name\_7  
 FILE NAME: 4999-sht-xs-Irving Park.dgn



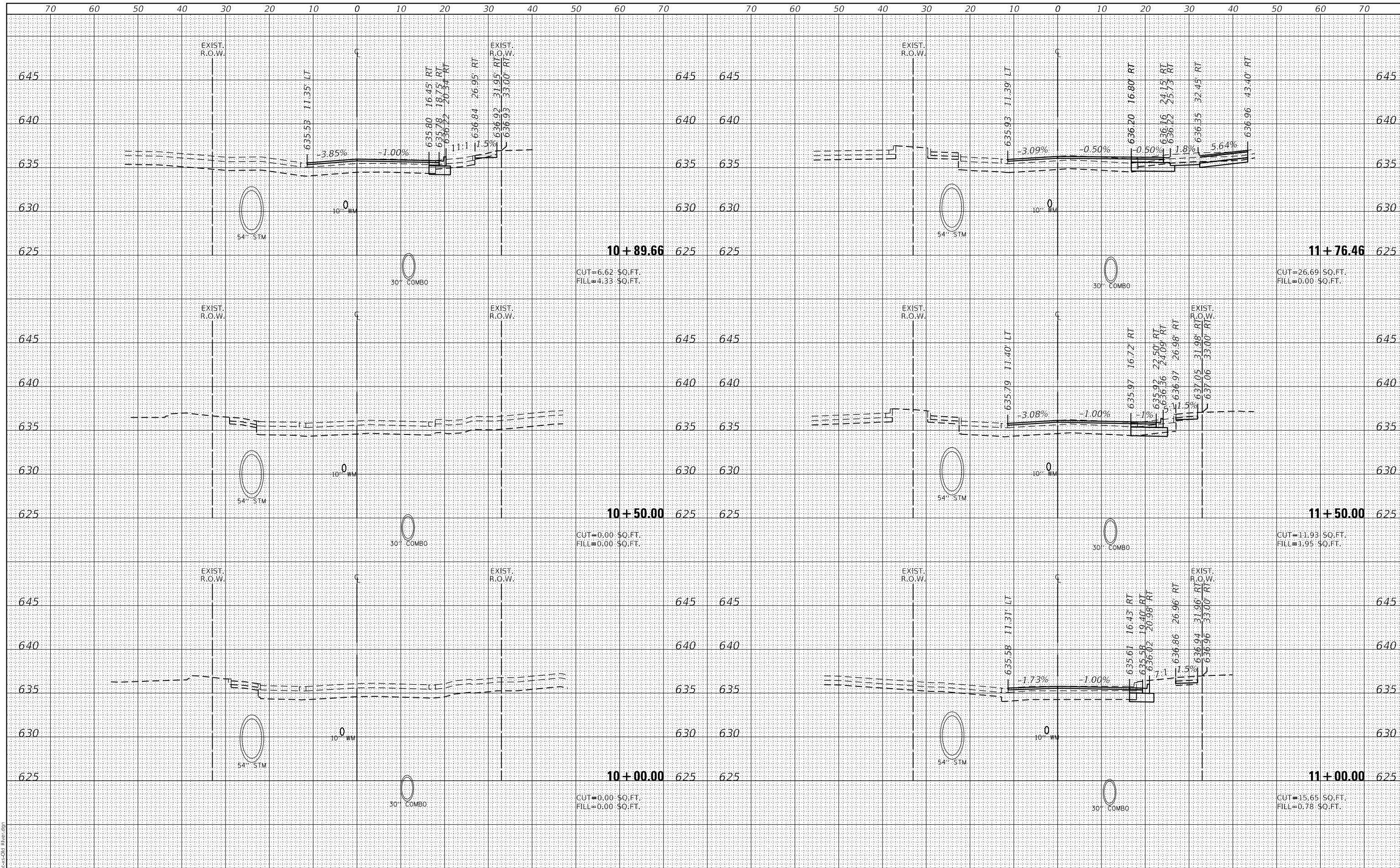
FILE NAME =	USER NAME = D00esak	DESIGNED - KLB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS - IRVING PARK ROAD</b> <b>SCHILLER PARK, IL</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4999-sht-xs-Irving Park.dgn		DRAWN - DGO	REVISED -		345B	15-00082-00-CH	COOK	122	120			
4999.1		CHECKED - KLB	REVISED -		CONTRACT NO. 61190							
XS_SHEET_temporary_model_name_7		DATE - 7/26/2024	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT SCALE = 1:20				SCALE: H: 1"=10'	SHEET 7 OF 7 SHEETS	STA. 114+60.33	TO STA. 116+00.00					
PLOT DATE = 7/25/2024				V: 1"=5'								



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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: XS\_SHEET\_temporary\_model\_name\_1  
 FILE NAME: 4999-sht-xs-Old River.dgn

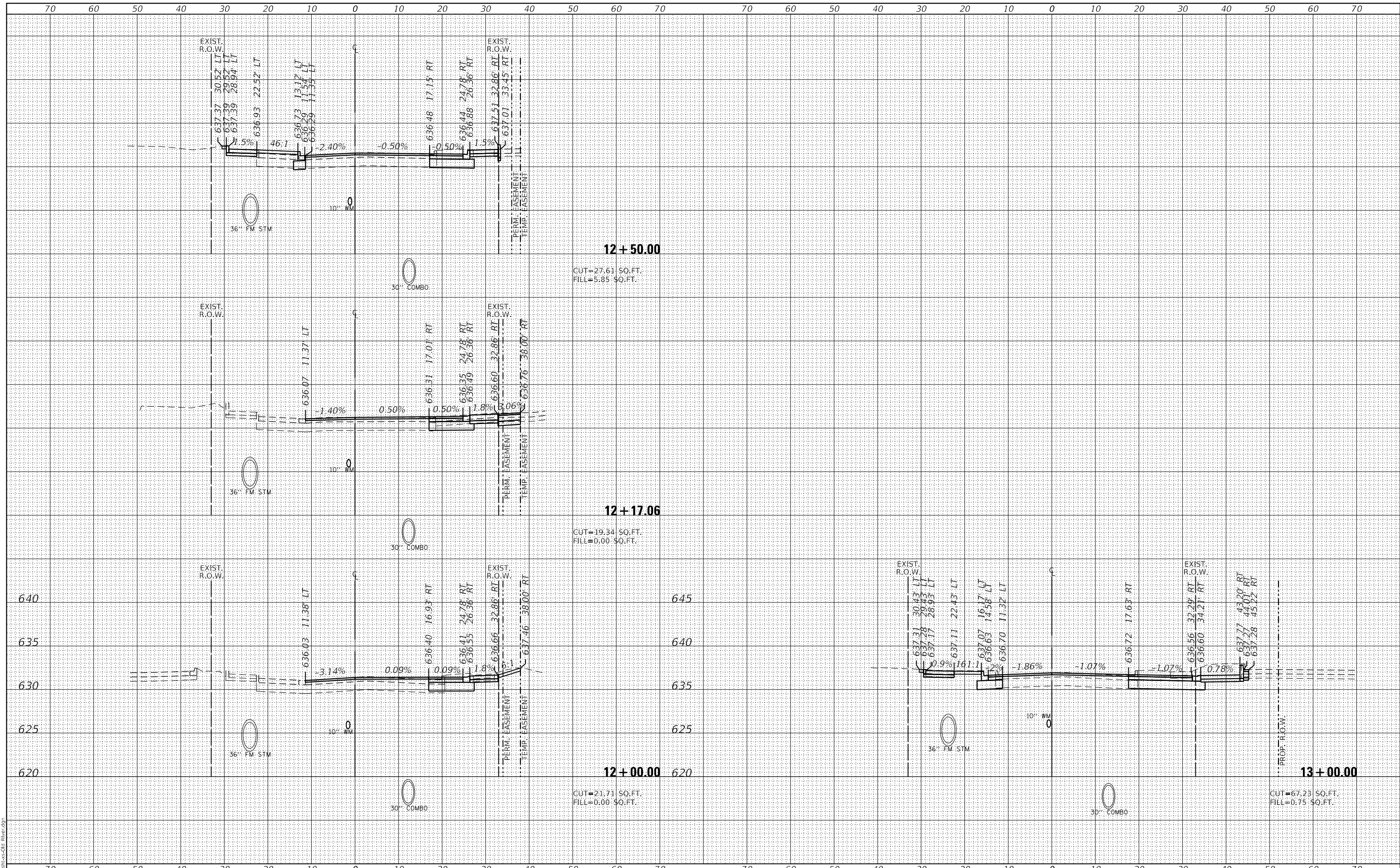


FILE NAME = 4999-sht-xs-Old River.dgn	USER NAME = D00esak	DESIGNED - KLB	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS - OLD RIVER ROAD</b> <b>SCHILLER PARK, IL</b>			F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 121	
4999.1	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -		SCALE: H: 1"=10'	SHEET 1 OF 2 SHEETS	STA. 10+00.00 TO STA. 11+76.46	CONTRACT NO. 61190		ILLINOIS FED. AID PROJECT			
XS_SHEET_temporary_model_name_1	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -										

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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: XS\_SHEET\_temporary\_model\_name\_2  
 FILE NAME: 4999-sht-xs-Old River.dgn



FILE NAME = 4999-sht-xs-Old River.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>  <b>CROSS SECTIONS - OLD RIVER ROAD          SCHILLER PARK, IL</b>  SCALE: H: 1"=10' V: 1"=5'	F.A.U. RTE. 345B	SECTION 15-00082-00-CH	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 122	
4999.1	PLOT SCALE = 1:20	CHECKED - KLB	REVISED -		STA. 12+00.00	TO STA. 13+00.00	CONTRACT NO. 61190		ILLINOIS	FED. AID PROJECT
XS_SHEET_temporary_model_name_2	PLOT DATE = 7/25/2024	DATE - 7/26/2024	REVISED -		SHEET 2 OF 2 SHEETS					