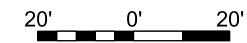
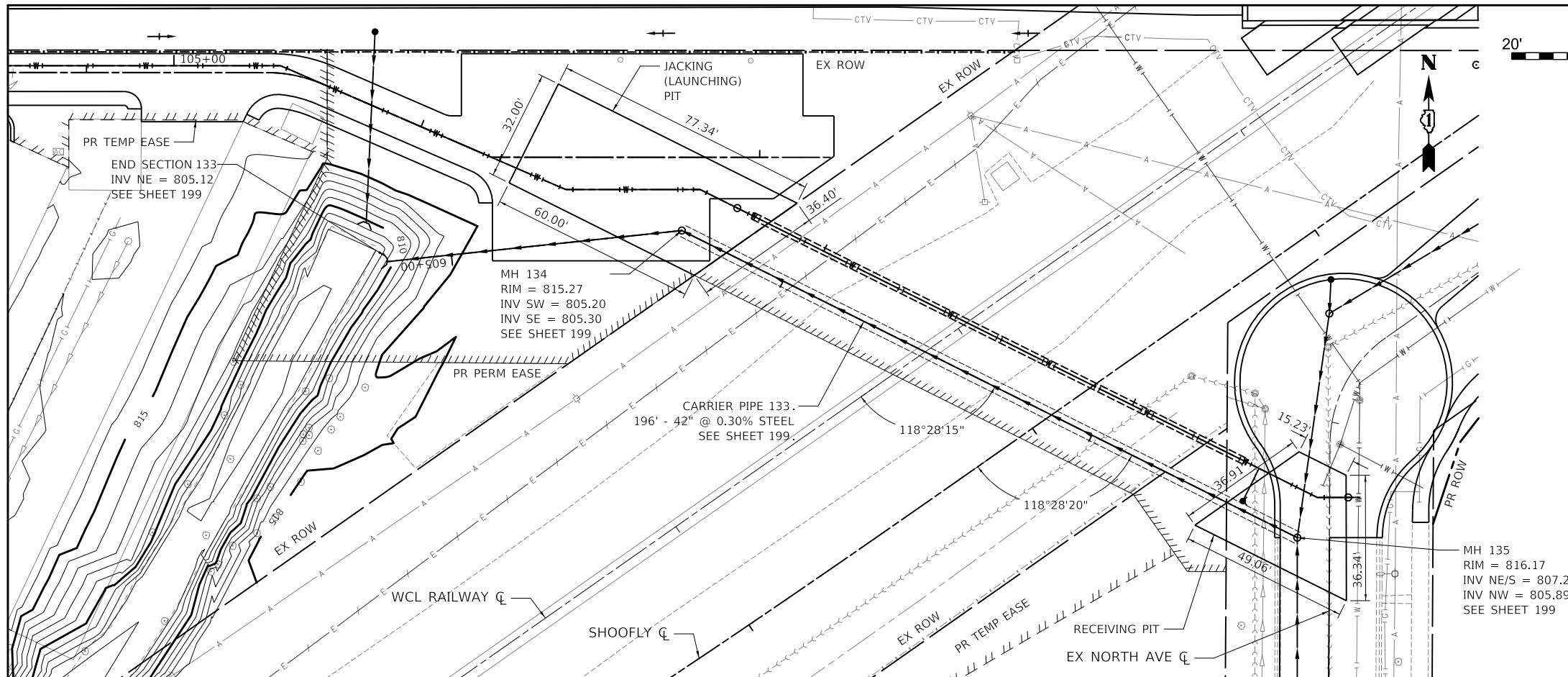
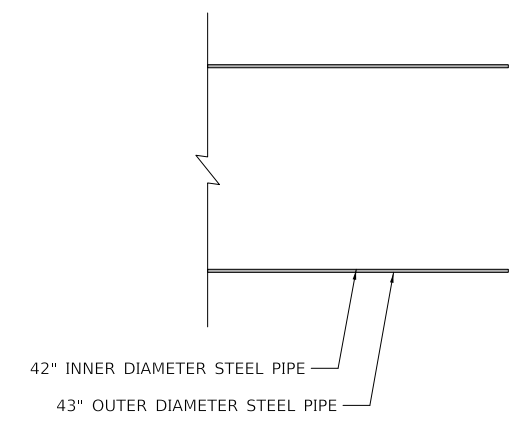
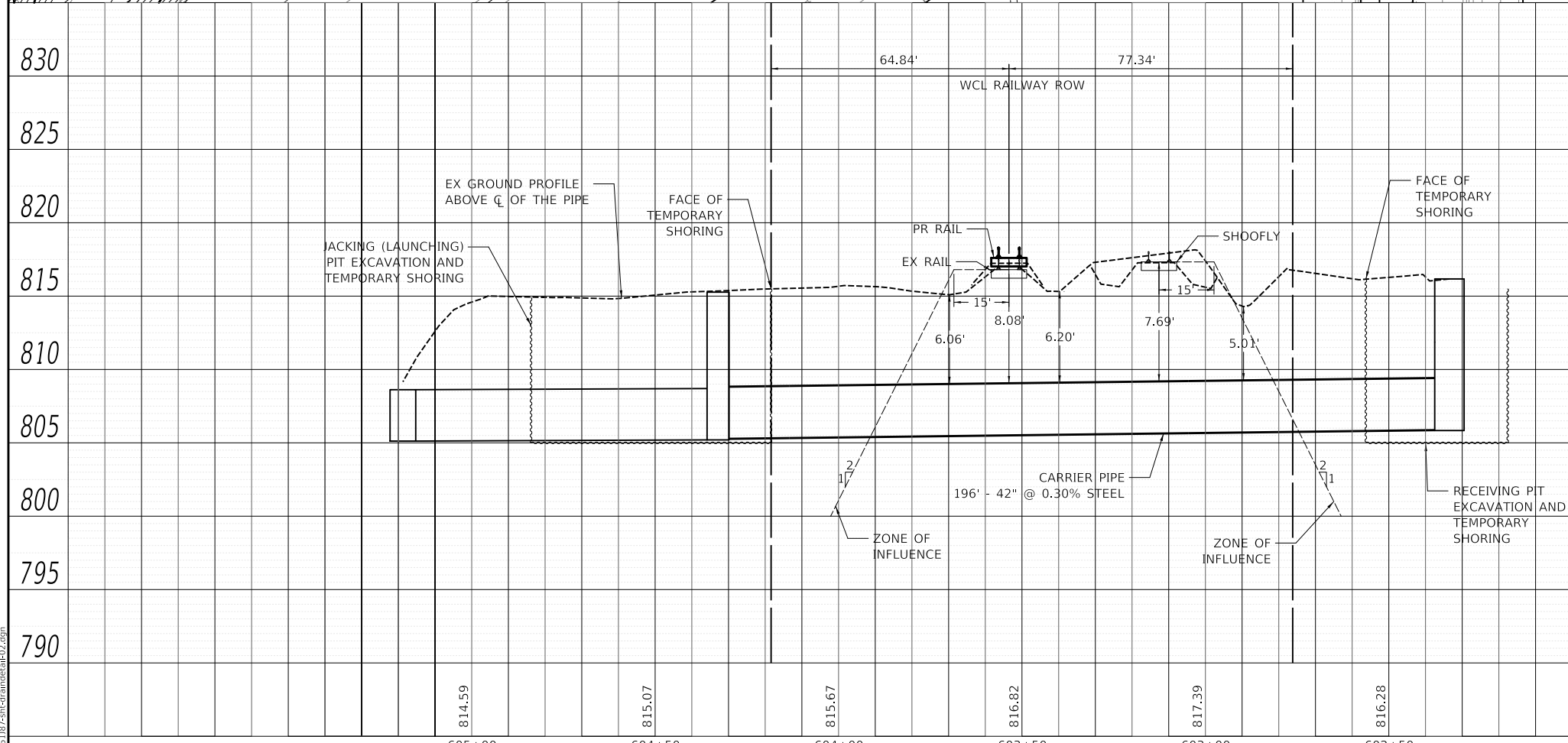
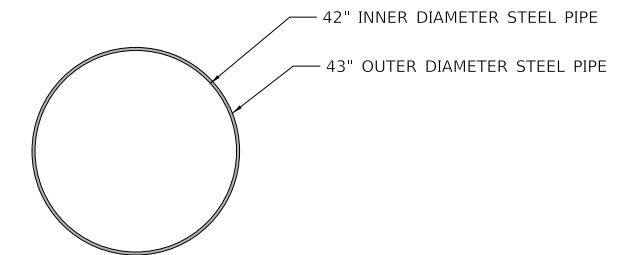


DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
	NO. _____
	DATE _____

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



STEEL CASING/STORM SEWER PIPE INFORMATION	
INSIDE DIAMETER	42"
OUTSIDE DIAMETER	43"
WALL THICKNESS	1"
PIPE MATERIAL	STEEL
WEIGHT	448.88 LBS/FT
MIN. MATERIAL YIELD STRENGTH	35,000 PSI
JOINT TYPE	WELDED SEAMLESS
STANDARDS APPLIED	ASTM A252, ASTM A139, ASTM A1011, ASTM A1018, AWWA C200
FUSION BONDED EPOXY THICKNESS	30 MILS
ABRASION RESISTANT OVERLAY THICKNESS	30 MILS
CATHODIC PROTECTION TYPE	NONE
ANNULUS VOID FILL MATERIAL	N/A



- REQUIREMENTS**
1. NO EXCAVATION CAN BE CLOSER THAN 25' FROM CENTERLINE OF NEAREST TRACK.
 2. IF THE EXCAVATION IS INSIDE THE ZONE OF INFLUENCE THEN SHORING PLANS ARE REQUIRED AND MUST INCLUDE THE LIVE E80 LOADING FROM PASSING TRAINS.
 3. THE ZONE OF INFLUENCE IS DESCRIBED AS 15' FROM CENTERLINE THEN A 2:1 SLOPE OUTWARD.
 4. IF EXCAVATION IS OUTSIDE OF ZONE OF INFLUENCE THEN EXCAVATION SHALL FOLLOW OSHA REQUIREMENTS.

MODEL: SH06LNAME5
FILE NAME: ...1016187-ssm-draindetail-02.dgn

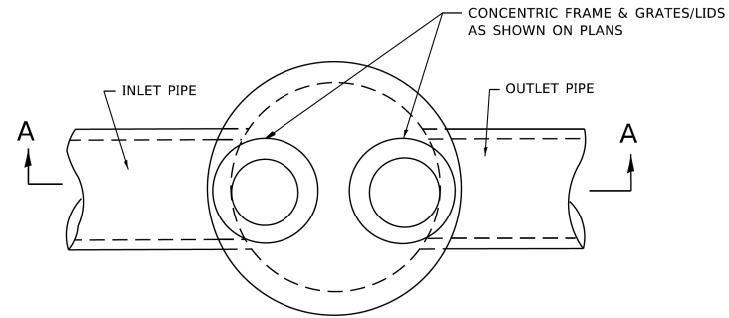
CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
www.civiltechinc.com

USER NAME = mc	DESIGNED - EML	REVISED -
	DRAWN - EML	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TKL	REVISED -
PLOT DATE = 8/27/2024	DATE - 08/28/2024	REVISED -

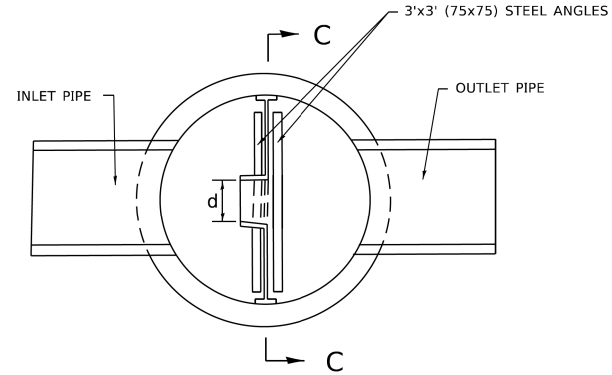
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM SEWER JACKING REQUIREMENTS DETAILS
DRAINAGE PLAN AND PROFILE**
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

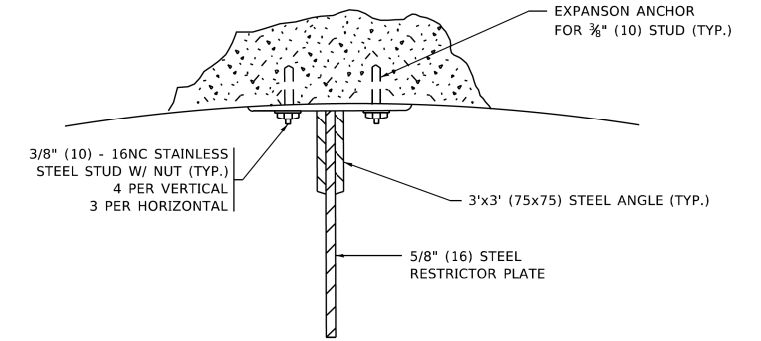
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	201
CONTRACT NO. 61187				
ILLINOIS FED. AID PROJECT				



PLAN



SECTION B-B



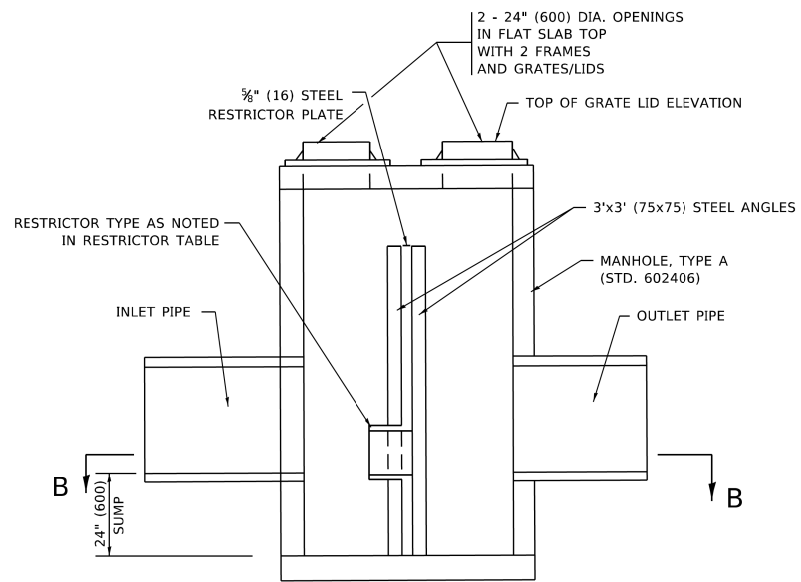
ANGLE FASTENER DETAIL

NOTES:

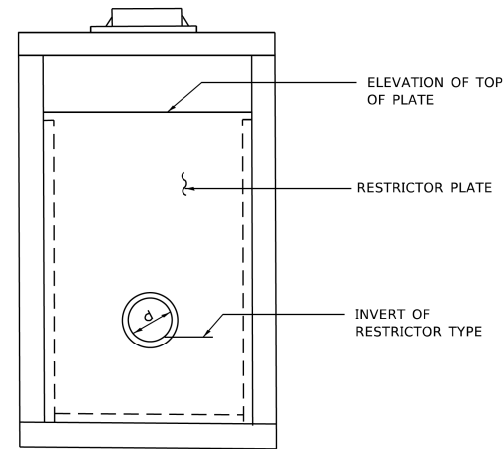
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.

BASIS OF PAYMENT:

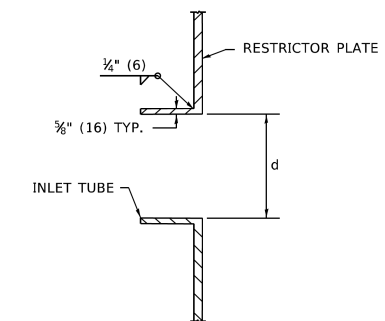
1. TO BE PAID FOR AS "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.



SECTION A-A

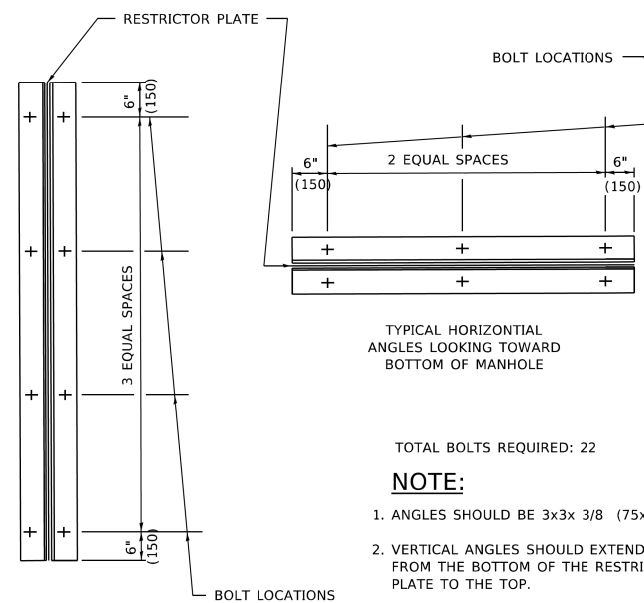


SECTION C-C



INLET TUBE DETAIL

STATION AND OFFSET	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
221+99.63' LT Structure No. 78	6'	T1F CL	SHARP EDGED	8"	813.25	817.00



TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

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

STEEL ANGLE BOLTING DETAILS

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

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

MODEL: Default
FILE: Manhole_Plan.mxd
PROJECT: D:\Projects\11-18-22\11-18-22-CAD\DWG\CAD\Sheet\11-18-22.dwg

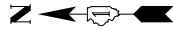
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 11/18/2022	CHECKED -	REVISED - M. GOMEZ 01-08-01
	DATE - 09-09-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
RESTRICTOR PLATE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	202
BD600-04 (BD-12)		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				



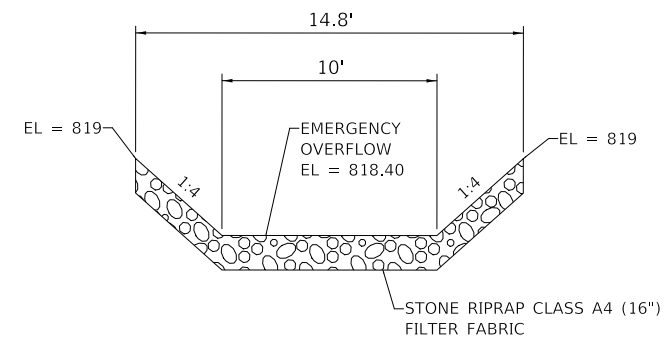
LOCATION	EARTHWORK VOLUMES (CU YD)								EARTHWORK BALANCE SHORTAGE (-) I = D-G
	TOPSOIL STRIPPING	CUT (+)	SUITABLE FILL	ADJUST FOR SHRINKAGE (15%)	UNSUITABLE MATERIAL	NON-SPECIAL WASTE	FILL	TOPSOIL PLACEMENT	
	A	B	C = B-F	D = 0.85 * C	E	F	G	H	
Detention Basin	1,428.29	4,777.40	4,777.40	4,060.79	0.00	0.00	1,523.13	1,440.20	2,537.67

*SEE SHEET 671

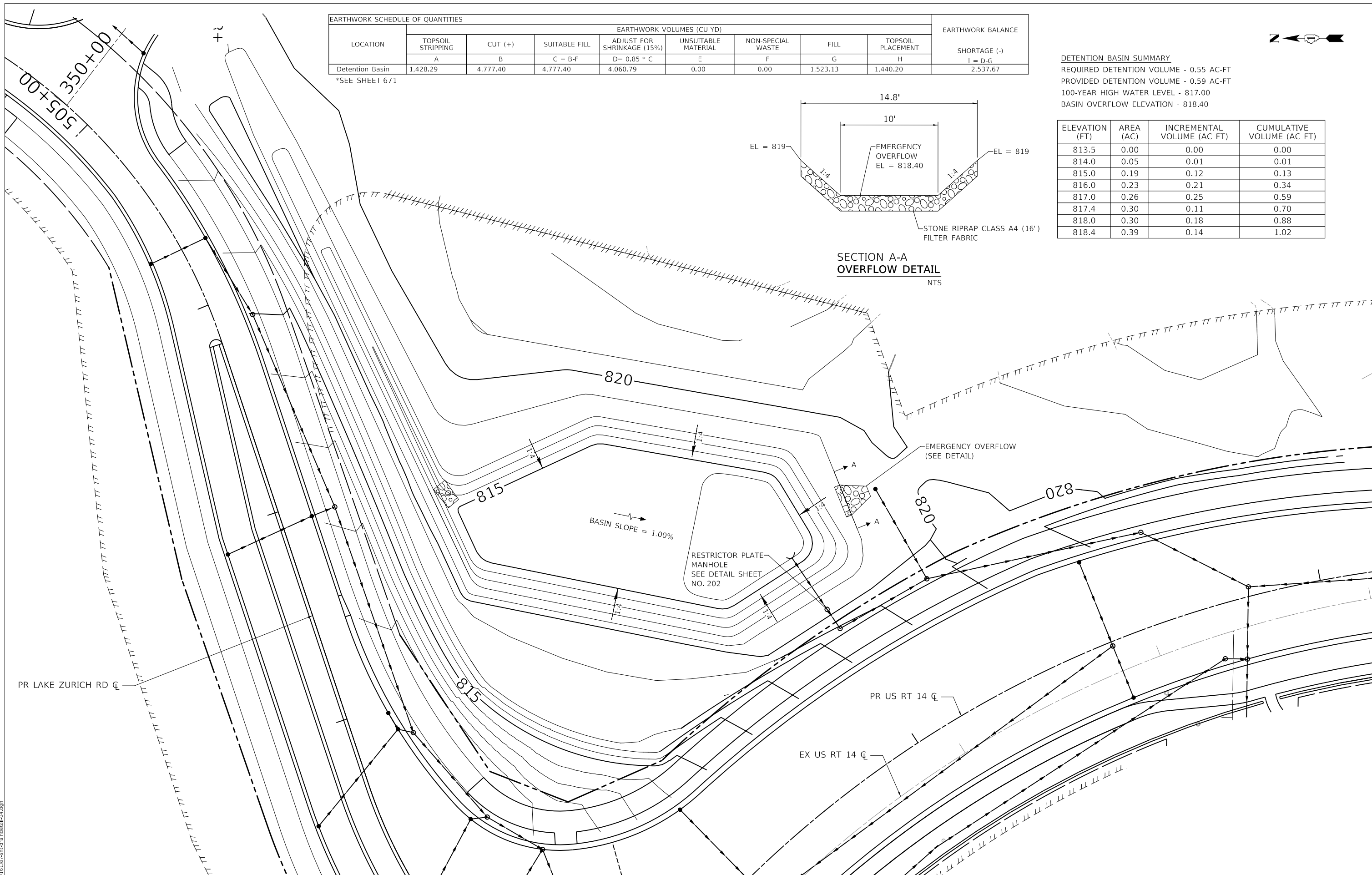
DETENTION BASIN SUMMARY

REQUIRED DETENTION VOLUME - 0.55 AC-FT
 PROVIDED DETENTION VOLUME - 0.59 AC-FT
 100-YEAR HIGH WATER LEVEL - 817.00
 BASIN OVERFLOW ELEVATION - 818.40

ELEVATION (FT)	AREA (AC)	INCREMENTAL VOLUME (AC FT)	CUMULATIVE VOLUME (AC FT)
813.5	0.00	0.00	0.00
814.0	0.05	0.01	0.01
815.0	0.19	0.12	0.13
816.0	0.23	0.21	0.34
817.0	0.26	0.25	0.59
817.4	0.30	0.11	0.70
818.0	0.30	0.18	0.88
818.4	0.39	0.14	1.02



**SECTION A-A
OVERFLOW DETAIL**
NTS



MODEL: \\MODEL\NAME
 FILE: \\NAME: ...10187-4-11-drawn\detail04.dgn

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900
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 www.civiltechinc.com

USER NAME = mic	DESIGNED - EML	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - EML	REVISED -
PLOT DATE = 8/27/2024	CHECKED - TKL	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 PROPOSED DETENTION BASIN GRADING DETAIL			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 203
CONTRACT NO. 61187				
ILLINOIS FED. AID PROJECT				

PROJECT SPECIFIC NOTES

- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT INCLUDE; CRITICAL SPOT GRADES SUCH AS OVERFLOW ELEVATIONS, SPOT ELEVATIONS NEAR ENTRANCES, SPOT ELEVATIONS ALONG THE DESIGNATED ADA ROUTE, SUFFICIENT INFORMATION SUCH THAT THE ENGINEER MAY VERIFY DETENTION VOLUMES, RIM AND INVERT ELEVATIONS OF ALL SEWERS, RIM AND TOP OF PIPE ELEVATIONS OF ALL WATER MAIN, LOCATIONS OF ALL INSTALLED UNDERGROUND UTILITIES, LOCATIONS OF ALL BURIED BENDS AND FITTINGS AND ALL FIELD CHANGES FROM THE APPROVED DRAWINGS.
- ALL CONSTRUCTION WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AS WELL AS THE STANDARD SPECIFICATIONS.
- ALL PUBLIC WATER MAINS AND SANITARY SEWER MAINS MUST BE ACCEPTED BY THE VILLAGE OF BARRINGTON.
- THE SEWER AND WATER CONTRACTOR SHALL BE REQUIRED TO BE LICENSED AND BONDED WITH THE VILLAGE OF BARRINGTON BEFORE WORK IS STARTED.
- CONTRACTOR SHALL NOTIFY THE THE PROJECT ENGINEER (847-478-9700) AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, THE MUNICIPALITY AND THEIR AGENTS, FROM ALL LIABILITY INVOLVED IN CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.
- THE CONTRACTOR MUST CARRY INSURANCE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ALL OFFICIALS, EMPLOYEES AND AGENTS OF GEWALT HAMILTON ASSOCIATES MUST BE LISTED AS ADDITIONAL INSURED.
- ALL ELEVATIONS ARE ON NAVD 88 VERTICAL DATUM.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INITIAL ACCEPTANCE OF THE WORK BY THE OWNER AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
- STOCKPILING MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN AND OR THE FLOODWAY IS STRICTLY PROHIBITED
- CRUSHED CONCRETE IS NOT PERMITTED FOR USE ON THE PROJECT UNLESS PRIOR WRITTEN NOTICE IS GIVEN BY THE ENGINEER.
- ALL STONE USED ON THE PROJECT SHALL BE CRUSHED UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER OR TO THE CONE SECTION OR TOP OF BARREL SECTION OF THE STRUCTURE. THIS BUTIL/RUBBER SHALL BE APPLIED IN SUCH MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE THROUGH GAPS BETWEEN BARREL SECTIONS, CONE SECTIONS OR ADJUSTING RINGS.

UTILITY NOTES

- 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. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCLUDED TO THE COST OF THE CONTRACT. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
- MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
- SANITARY SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.
- ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
- 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.
- ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.
- 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.
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER. ALL DOWNSPOUTS, SIDE YARD DRAINS, AND OUTSIDE DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM. FOOTING DRAINS SHALL FIRST DRAIN TO A SUMP PIT.

DRILLING & FRAC-OUT CONTINGENCY NOTES

- THE DRILL RIG SHALL BE SETUP IN AN AREA OUTSIDE OF THE WETLANDS AND THEN DRILL UNDER THE WETLANDS TO A CATCH PIT LOCATED OUTSIDE THE WETLAND AREA. IN ORDER TO LOCATE THE DRILL, THE CONTRACTOR WILL WALK OVER THE BORE ROUTE AND THROUGH THE WETLANDS.
- IN THE EVENT OF A SLURRY FRAC-OUT, DRILLING IS TO STOP IMMEDIATELY AND EROSION EELS OR SIMILAR CONTROL MEASURES ARE TO BE INSTALLED TO CONTAIN THE SLURRY. A VACUUM TRUCK WILL THEN BE USED TO COLLECT THE SLURRY FOR OFF-SITE DISPOSAL.
- A VACUUM TRUCK SHALL BE ONSITE DURING ALL DRILLING OPERATIONS. THE CONTRACTOR WILL NOT BE COMPENSATED FOR DOWNTIME RESULTING FROM WAITING FOR A VACUUM TRUCK TO BECOME AVAILABLE.
- A FULL-TIME DESIGNATED EROSION CONTROL INSPECTOR (DECI) WILL WALK THE BORE ROUTE AND IDENTIFY AND FRAC-OUTS AND COORDINATE REMEDIATION NEEDED. DECI WILL BE PROVIDED BY VILLAGE.
- CONTRACTOR SHALL HAVE AN ADEQUATE AMOUNT OF POLYMER STORED ONSITE TO TREAT AT LEAST ONE RELEASE INTO WETLANDS OR STREAMS WITH THE UNDERSTANDING THAT ADDITIONAL POLYMER WILL BE PROCURED IF THE FIRST IS USED.
- ANY FRAC-OUTS IN UPLAND AREAS THAT DO NOT AFFECT WETLANDS OR OTHER SENSITIVE AREAS WILL BE SUMMARIZED IN A WEEKLY REPORT TO THE SMC DETAILING THE AMOUNT OF DRILLING MUD RELEASED, THE METHOD OF CONTAINMENT, REMEDIATION METHOD USED AND ANY ADDITIONAL RELEVANT INFORMATION.
- THE CONTRACTOR WILL CONTACT SMC IMMEDIATELY IF A FRAC-OUT AFFECTS WETLAND AREAS. EACH FRAC-OUT WILL BE SUMMARIZED IN A DAILY REPORT TO THE SMC DETAILING THE AMOUNT OF DRILLING MUD RELEASED, THE METHOD OF CONTAINMENT, REMEDIATION METHOD USED AND ANY ADDITIONAL RELEVANT INFORMATION.

WETLAND / FLOODWAY / STREAM CROSSING NOTES

STREAM AND WETLAND CROSSINGS SHALL COMPLY WITH THE REQUIREMENTS OF USACE REGIONAL PERMIT NO. 8 AND IDNR REGIONAL PERMIT NO. 3. IN PARTICULAR, STREAM AND WETLAND CROSSINGS SHALL MEET THE FOLLOWING CRITERIA:

- CARE AND CAUTION SHALL BE GIVEN TO ALL STEPS OF THE DRILLING PROCESS.
- IF BREAKAGE OCCURS, ALL REASONABLE EFFORTS WILL BE MADE TO RETRIEVE DRILLING MATERIALS.
- NO EXCAVATION, DISTURBANCE OF VEGETATION, FILL, OR INSTALLATION OF ABOVE-GROUND APPURTENANCES SHALL OCCUR WITHIN ANY JURISDICTIONAL WATERS OF THE US OR REGULATORY FLOODWAY.
- THE CONSTRUCTION SHALL NOT RESULT IN ANY CHANGE IN GROUND ELEVATIONS WITHIN THE FLOODPLAIN, FLOODWAY, OR WETLANDS.
- THE TOP OF THE WATERMAIN PIPE SHALL BE A MINIMUM OF FIVE FEET BELOW THE STREAM BED.
- NO EXCESS DRILLING FLUID, BENTONITE SLURRY OR OTHER MATERIAL SHALL BE DISCHARGED INTO ANY STREAM, BUT SHALL BE CONTAINED WITHIN RELIEF PITS OUTSIDE THE FLOODWAY AND REMOVED FROM THE SITE USING VACUUM OR OTHER SUITABLE EQUIPMENT.
- SILT FENCE SHALL SURROUND ALL WORK AREAS TO PREVENT EROSION INTO JURISDICTIONAL WATERS OF THE US.
- ALL WORK AREAS BEYOND THE FLOODWAY SHALL BE STABILIZED DURING AND FOLLOWING CONSTRUCTION ACTIVITIES.



REQUIRED MATERIALS LIST

Date of Revision:
September 2016
November 2020

Water main pipe	Ductile iron pipe, class 52, in accordance with <i>A.W.W.A. Standard C-151, C-111, and C-104</i> , by water main shall be installed in accordance with <i>A.W.W.A. C-600 and C-601 with 8 mil. polywrap</i> . Class 56, ductile iron pipe shall be installed as directed by the Director of Public Works. No 90 degree bends are allowed.
Main Line water valve/ auxiliary valve	American Flow Control, Waterous Model A.F.C. 2500, ductile iron M.J., resilient wedge/open left, all stainless steel trim or Clow Model F-2683-C515 Resilient Wedge Gate Valve.
Valve vault	Precast reinforced concrete, 60" (5' in diameter) for 4" or larger. Vaults in parkway are required to have external chimney seal, manufactured by Cretex Specialty Products and an exterior joint wrap such as Mac Wrap.
Valve vault frame and grate (in pavement)	In accordance with Section 604 of the <i>Standard Specifications for Road and Bridge Construction</i> and as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (No. 1050) cover marked <i>Water</i> .
Valve vault frame and grate (in parkway)	In accordance with Section 604 of the <i>Standard Specifications for Road and Bridge Construction</i> and as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1022) cover marked <i>Water</i> .
Fire hydrant	Waterous WB-67-250, Breakaway three-way N.S.T. one 2-1/2" vented cap, stainless steel bolts and nuts on the barrel section and shoe, 5-1/4" valve opening, six inch (6") M.J. shoe with 16" traffic barre or Clow Medallion F-2545 Fire Hydrant with stainless steel trim and one vented cap with 5-1/4" valve opening M.J.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by manufacturer only. No alternatives allowed.
Water main fittings	Water main fittings shall be ductile iron mechanical joint in accordance with <i>A.W.W.A. Standard C-153</i> , and shall be made in U.S.A. with mega lug and stainless steel trim.
Valve boxes	Tyler 664-5 cast iron, three-piece box with <i>Adapter II</i> rubber stabilizer. Must be made in the U.S.A. To be used where valve vaults cannot be utilized because of conflicts with other utilities and conditions, to be approved by the Director of Public Works.
Water service material type	Water services shall be of Type K copper, one-inch minimum to two inches in diameter. Anything larger shall be ductile iron pipe.

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Corporation stop	Corporation stops shall be Ford F1000-5Q or AY McDonald 74701BQ full port. 1 1/4" in diameter. Saddle by Ford Company, Model FS1, no direct taps allowed.
Curb valve	Curb valves shall be as manufactured by Ford Company Model #B44-XXXM-NL, Minneapolis top thread or AY McDonald 76104QI Full Port.
Curb box	AY McDonald 5623, 1-1/2" in diameter, Minneapolis pattern base or Ford Company EM 26067. All B-boxes shall have a threaded coupling. No alternates allowed.
Water service tapping sleeve	Ford Company, Model FS-313 or Cascade CS22
Water main pressure tapping sleeve	Cascade Waterworks Mfg. Style CST-EX, Ford FT-SS

- Water main corporation stop abandonment sleeve, Cascade Waterworks Mfg. Style CST-EX
- (03EX) (05EX) (3/4" x 1") (1-1/4" x 2") or Ford FACC.
- Tapping valve shall be a true tapping valve with center ring.
- Copper to Copper Fittings - An all Compression couplings are required, no sweat joint or flared connections are allowed. Ford C44-XX is the only exception allowed.

Sanitary sewer pipe	PVC SDR 26, ASTM, D-2241, joints D-3212; class 56 ductile iron pipe, in the back and side yards, or as requested by the Director of Public Works.
Sanitary manhole	Precast reinforced concrete, standard 48" (4') in diameter with external chimney seal manufactured by Cretex Specialty Products, asphalt emulsion and exterior joint Mac Wrap required for all manholes.
Sanitary manhole frame and grate (in pavement)	In accordance with Section 604 of the <i>Standard Specifications for Road and Bridge Construction</i> as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc.(no. 1050), gasketed lids marked <i>Sanitary</i> .
Sanitary manhole frame and grate (in parkway)	In accordance with Section 604 of the <i>Standard Specifications for Road and Bridge Construction</i> as manufactured by Neenah Foundry Company (Heavy Duty R-1713) or East Jordan Iron Works, Inc. (no. 1050), gasketed lids marked <i>Sanitary</i> .
Sanitary sewer service fittings	SDR-26 gasketed wyes with 45 degree-bend. Services deeper than six feet (6') shall use risers and riser adaptors or D-2241 tee wye. All services shall be 6" in diameter. Fittings should be SDR-26. Mission coupling shall be ARC, non-shear. CSWRV Cascade Waterworks Mfg. 0863-06RC Sewer Saddle Tee/Wye CSWRT 0863-06RC

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TESTING REQUIREMENTS	
WATER MAIN	ALL WATER MAIN SHALL HAVE A PRESSURE AND LEAKAGE TEST PERFORMED IN ACCORDANCE WITH SECTION 41-2.14 OF STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS ACCEPT THE PRESSURE DURING THE TESTS SHALL BE EQUAL TO 150PSI.
SANITARY SEWER	ALL SANITARY SEWER SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS. ALL RIGID SANITARY SEWER PIPE SHALL BE TESTED BY EITHER METHOD A B OR C AS OUTLINED IN SECTION 31-1.12. ALL FLEXIBLE SANITARY SEWER PIPE SHALL BE TESTED BY METHOD D AND EITHER METHOD A B OR C. ALL SANITARY SEWER MUST BE TESTED BY METHOD E. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A COPY OF THE VIDEO ON A DIGITAL VIDEO DISC. THE VIDEO MUST BE IN COLOR AND PROCEED NO FASTER THAN 1 FOOT PER SECOND.
SEWER WATER MAIN CROSSINGS	ALL SEWERS THAT CROSS OR RUN PARRALEL TO WATER MAINS SUBJECT TO IEPA REQUIREMENTS FOR WATER MAIN QUALITY PIPE MUST BE PRESSURE TESTED ACCORDING TO 41-2.14 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS
SANITARY MANHOLES	ALL SANITARY MANHOLES SHALL BE TESTED BY EITHER ASTM C-969 OR ASTM C-1244

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14
WATERMAIN AND SANITARY SEWER GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

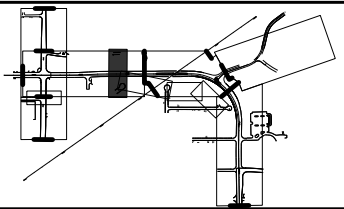
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	204
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



USER NAME = mc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/27/2024	DATE - 08/28/2024	REVISED -

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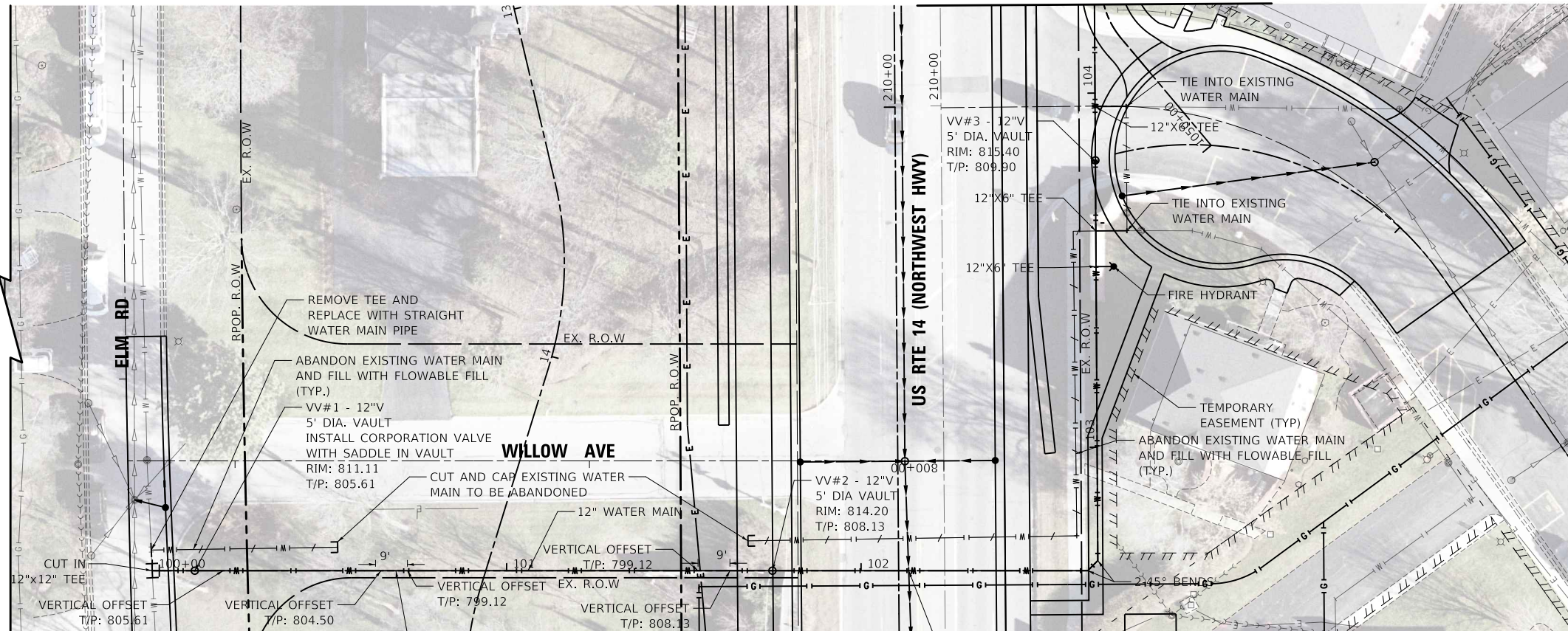
MATCH LINE STA 104+25
(SEE SHEET 206)



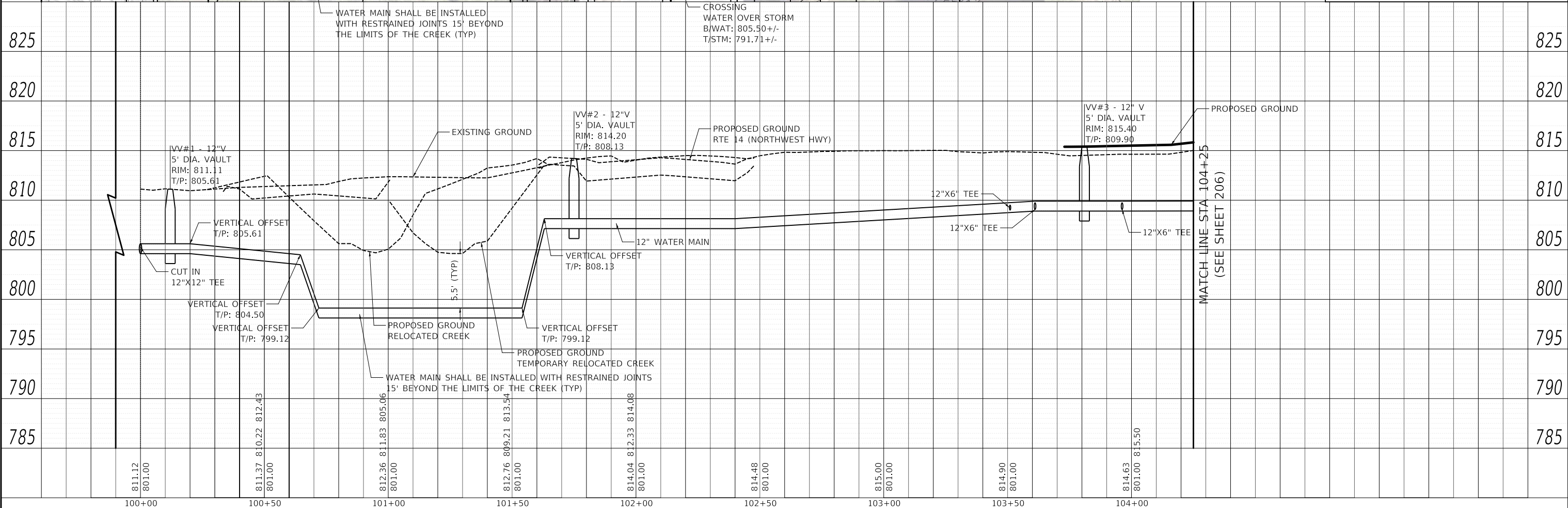
UTILITY LEGEND

— W — PROPOSED WATER MAIN

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



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	STRUCTURE NOTATIONS CHWD	



MODEL: SMODELNAMES
FILE NAME: ...10101875-sh-cvll-vm-g1.dgn



USER NAME = mc	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/27/2024	DATE - 08/28/2024	REVISED -

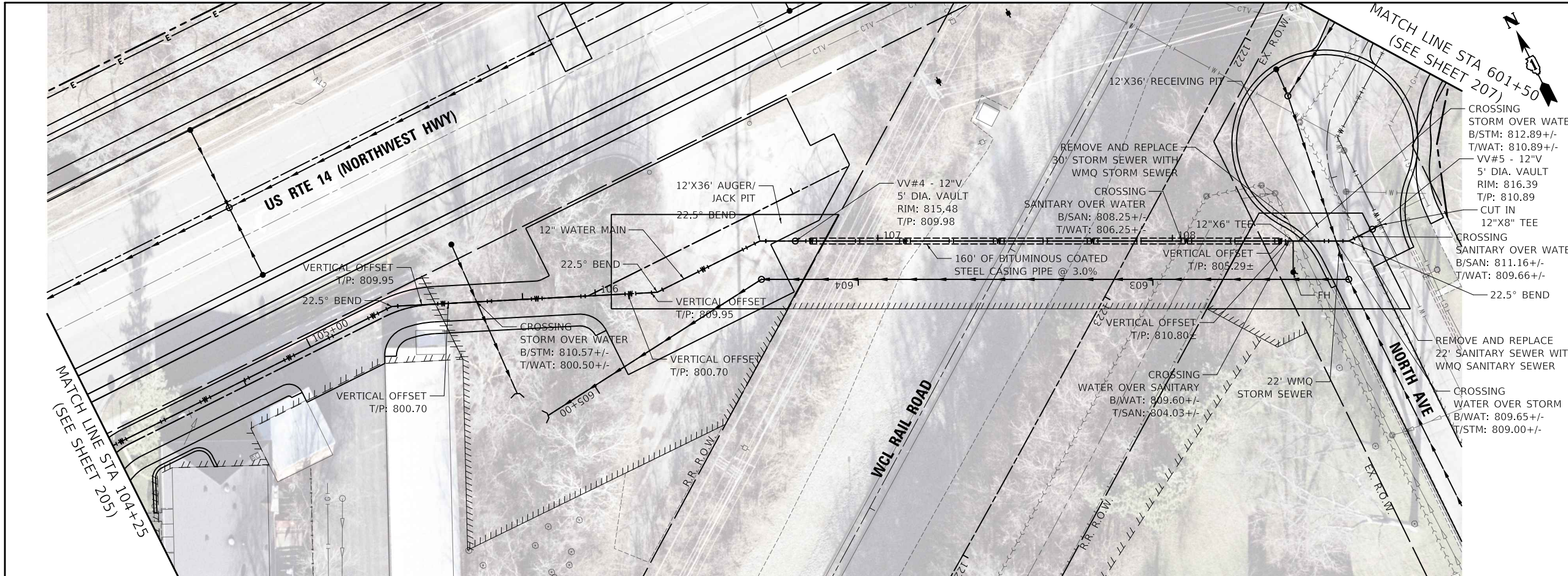
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14			
WATER MAIN AND SANITARY SEWER PLAN AND PROFILE			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 205
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
NOTED	
PLOTTED	
CHECKED	
FILE NAME	

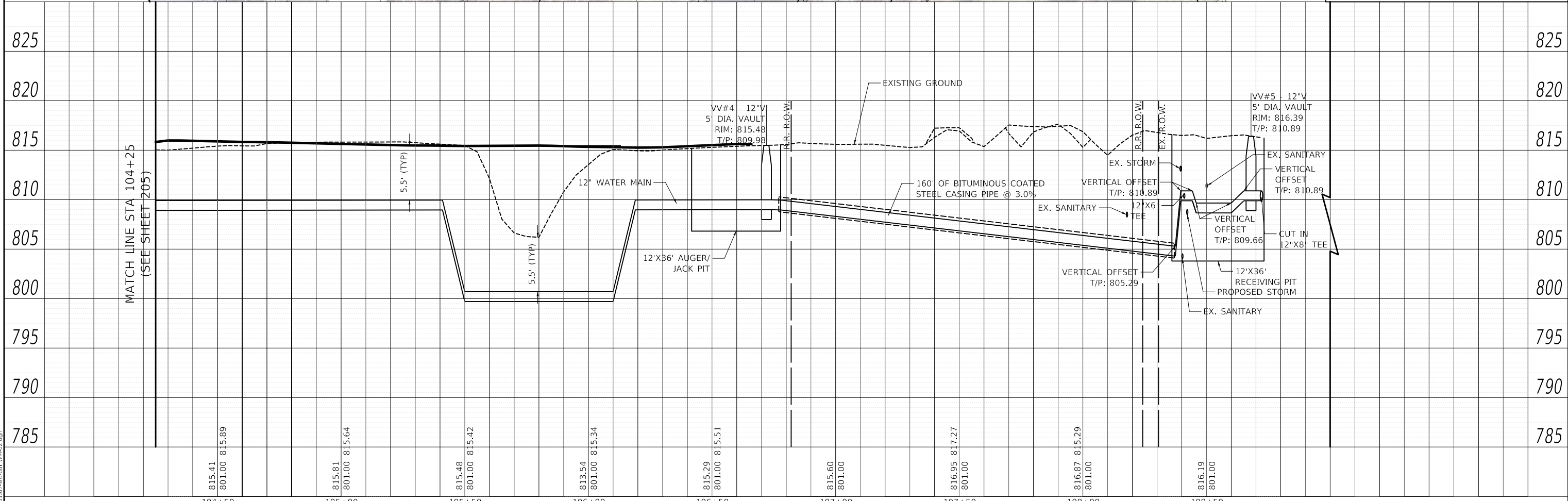
DATE	
BY	
PROFILE	
SURVEYED	
NOTED	
PLOTTED	
CHECKED	
FILE NAME	



UTILITY LEGEND

— W — PROPOSED WATER MAIN

- CROSSING STORM OVER WATER
B/STM: 812.89+/-
T/WAT: 810.89+/-
VV#5 - 12" V 5' DIA. VAULT
RIM: 816.39
T/P: 810.89
- CUT IN 12"X8" TEE
- CROSSING SANITARY OVER WATER
B/SAN: 811.16+/-
T/WAT: 809.66+/-
- 22.5° BEND
- REMOVE AND REPLACE 22' SANITARY SEWER WITH WMQ SANITARY SEWER
- CROSSING WATER OVER STORM
B/WAT: 809.65+/-
T/STM: 809.00+/-



815.41 801.00 815.89	815.81 801.00 815.64	815.48 801.00 815.42	813.54 801.00 815.34	815.29 801.00 815.51	815.60 801.00	816.95 817.27 801.00	816.87 815.29 801.00	816.19 801.00	
104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	

MODEL: S:\MODEL\NAMES
FILE NAME: ...1016187-5-11-civil WM-Q2.dgn

USER NAME	= mc
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	08/28/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14
WATER MAIN AND SANITARY SEWER PLAN AND PROFILE**

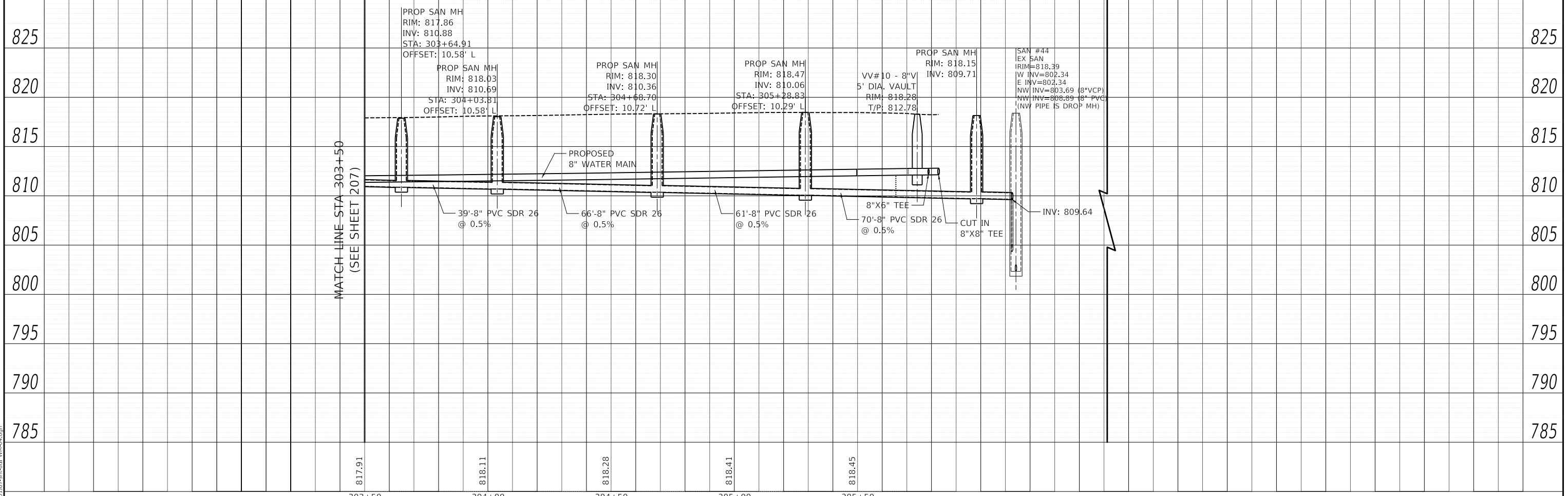
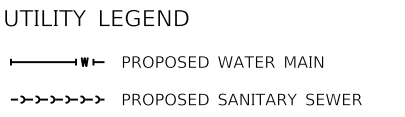
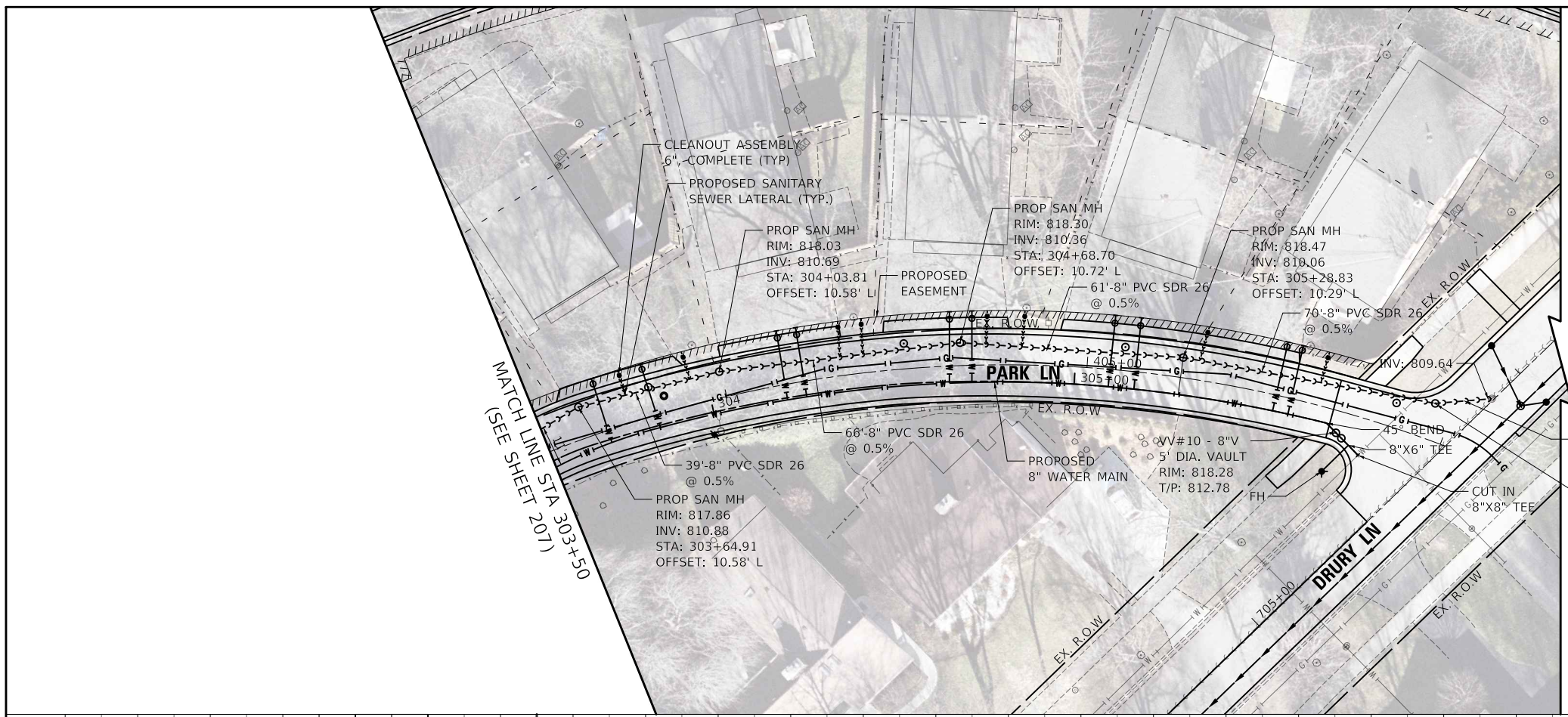
SCALE:	1" = 20'				
SHEET	OF	SHEETS	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	206

CONTRACT NO. 61J87
ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
BY		
PLANNED		
NOTE BOOK NO.		
DATE		

PROFILE	SURVEYED	DATE
BY		
PLANNED		
NOTE BOOK NO.		
DATE		



MODEL: SHMODEL\MAMES
FILE NAME: ...1010187-5-hic-dwg-ww-04.dgn

GHA GEWALT HAMILTON ASSOCIATES, INC.

USER NAME = mc	DESIGNED -	REVISED -
PLLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLLOT DATE = 8/27/2024	CHECKED -	REVISED -
	DATE - 08/28/2024	REVISED -

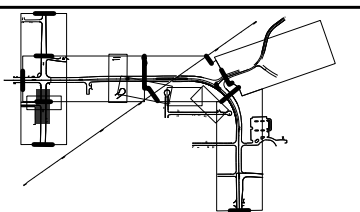
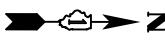
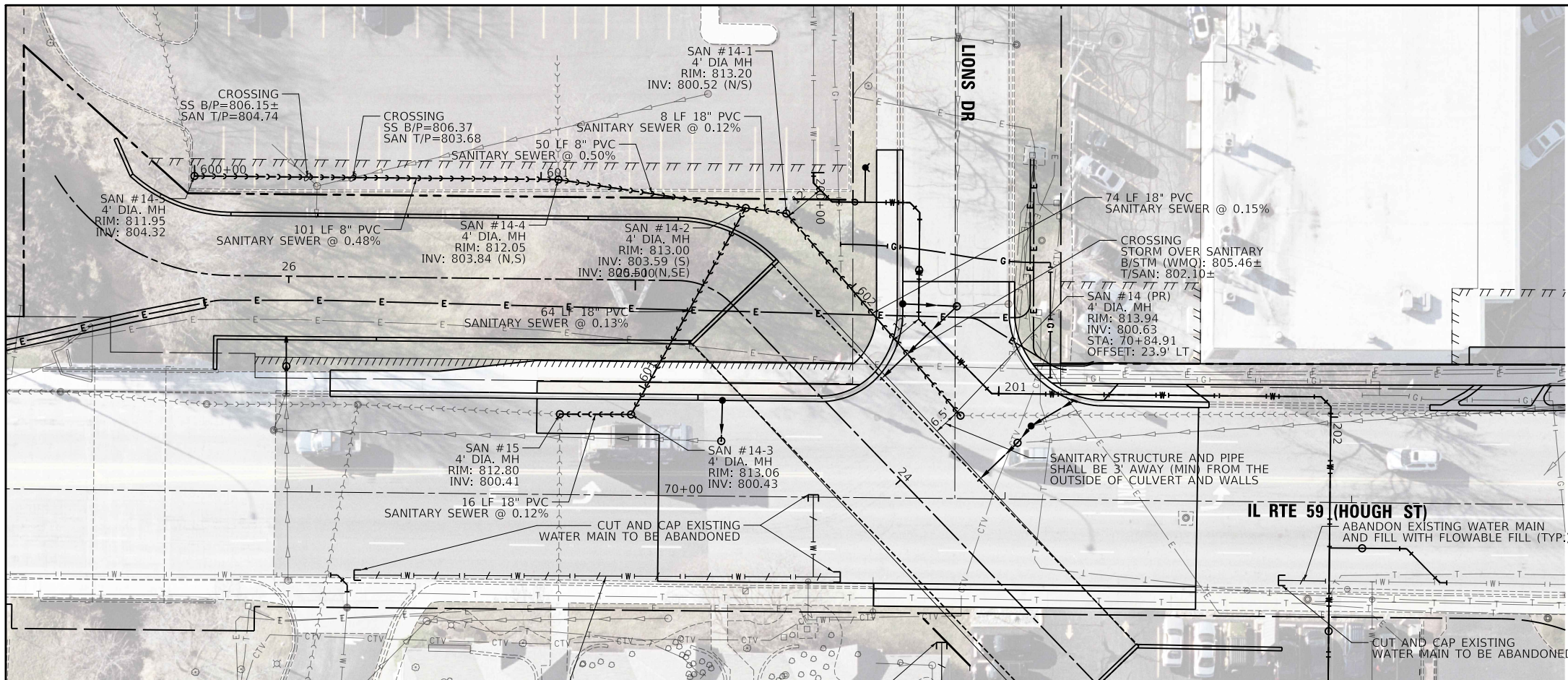
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

US ROUTE 14				
WATER MAIN AND SANITARY SEWER PLAN AND PROFILE				
SCALE: 1" = 20'	SHEET	OF SHEETS	STA.	TO STA.

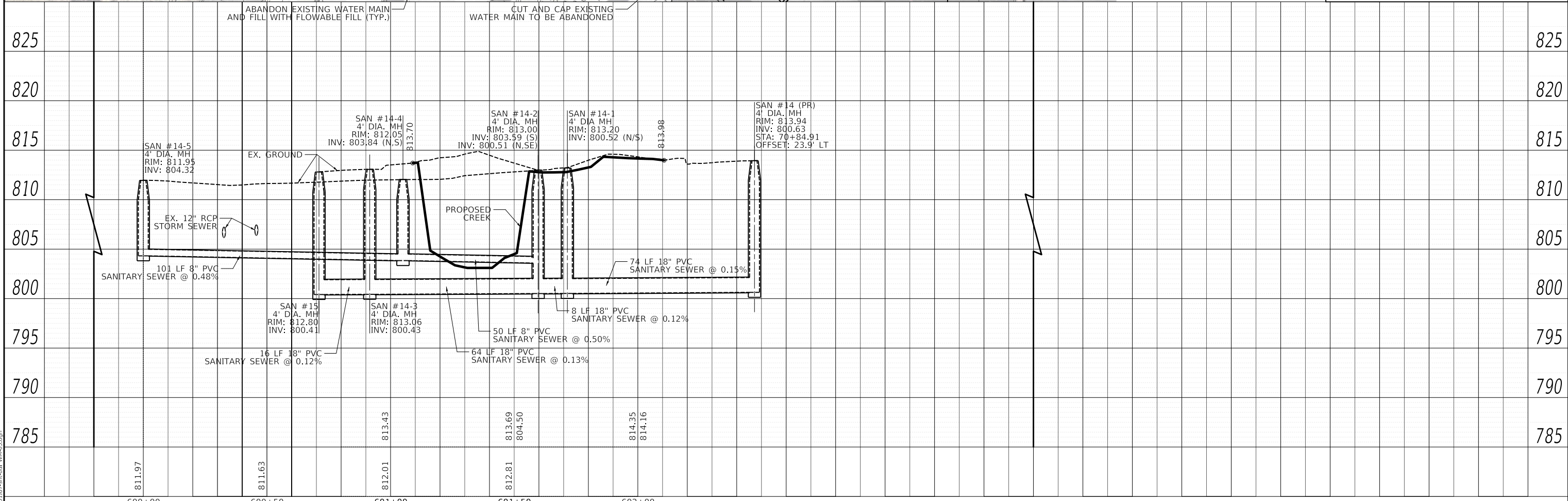
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	208
				CONTRACT NO. 61J87
		ILLINOIS	FED. AID PROJECT	

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

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



UTILITY LEGEND
 —W— PROPOSED WATER MAIN
 -S-S- PROPOSED SANITARY SEWER



MODEL: SHODLNAME
FILE NAME: ...1010187-511-civil WM-05.dgn



USER NAME = mc	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/27/2024	CHECKED -	REVISED -
	DATE = 08/28/2024	REVISED -

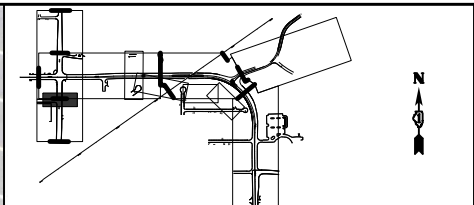
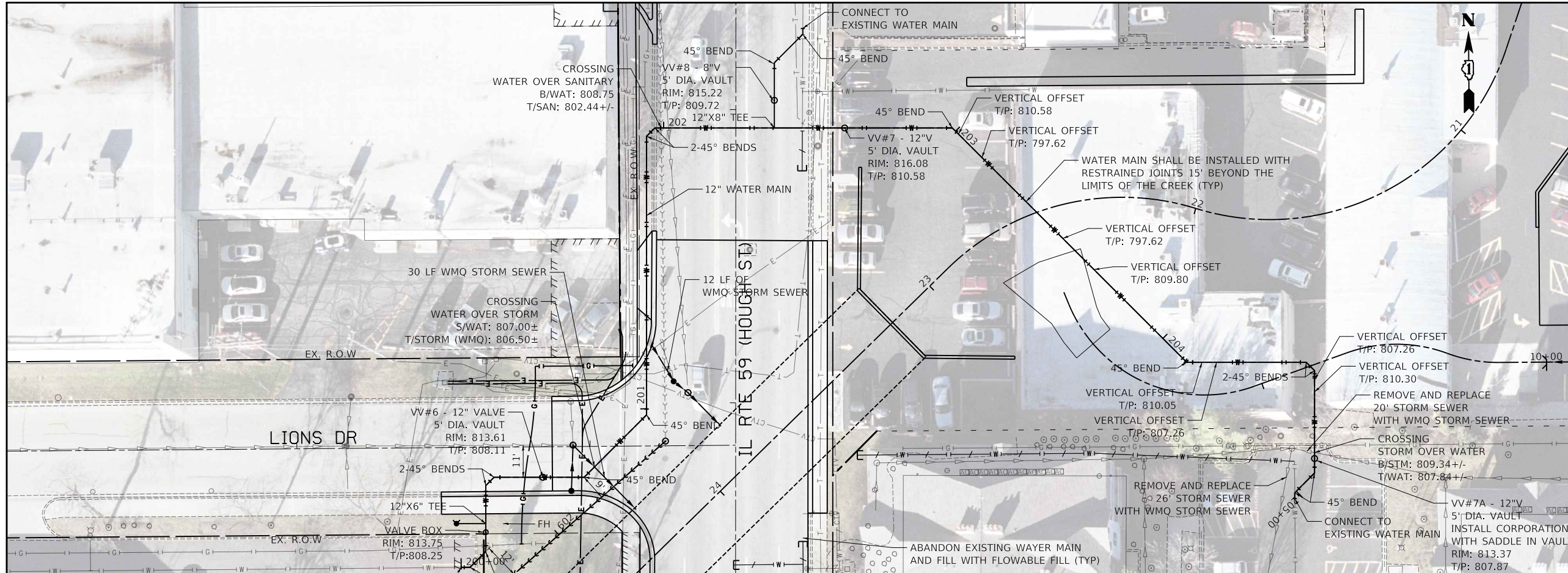
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59
WATER MAIN AND SANITARY SEWER PLAN AND PROFILE**
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	209
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

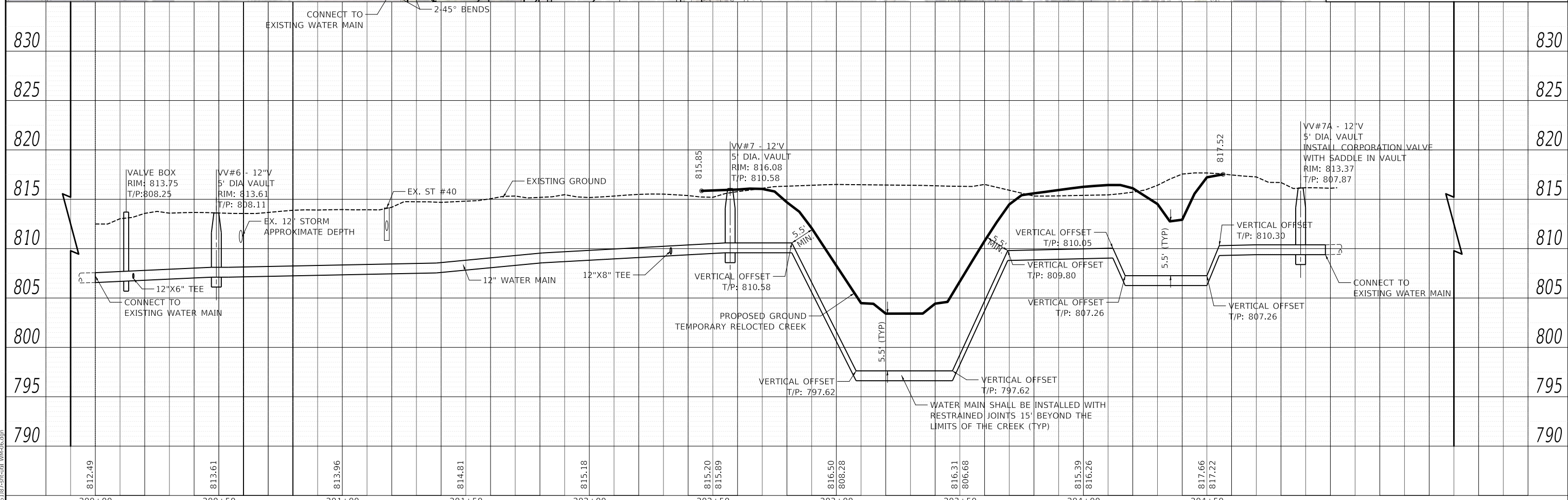
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	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



UTILITY LEGEND

— W — PROPOSED WATER MAIN



MODEL: SMODELNAMER
FILE NAME: ...D:\101875-spl-civil\wm-cs.dgn

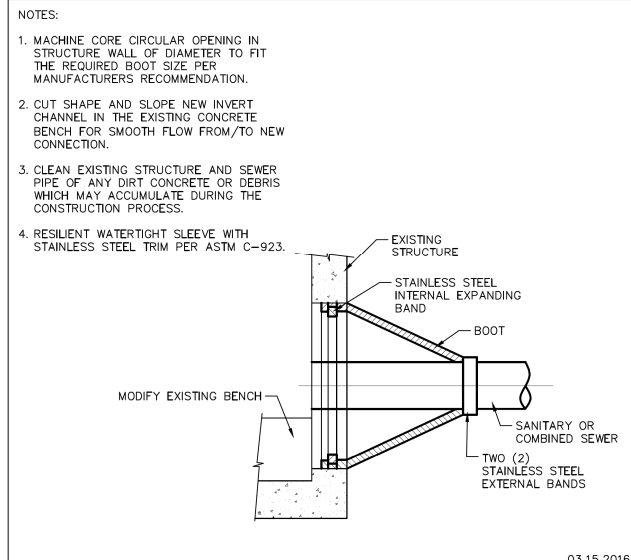


USER NAME = mc	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/27/2024	CHECKED -	REVISED -
	DATE - 08/28/2024	REVISED -

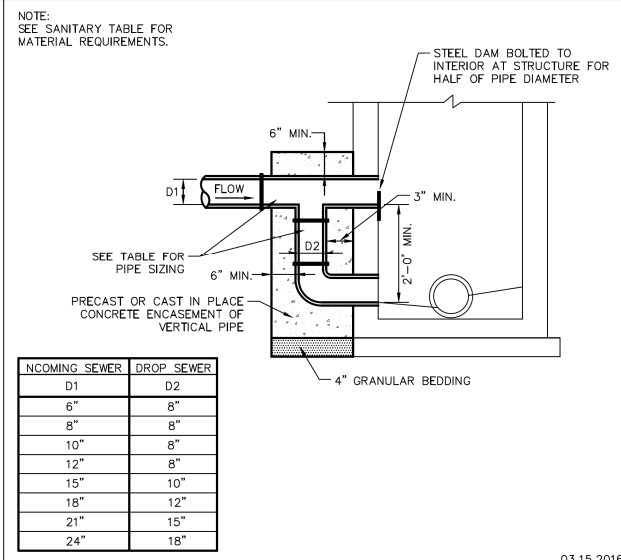
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 59
WATER MAIN AND SANITARY SEWER PLAN AND PROFILE

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

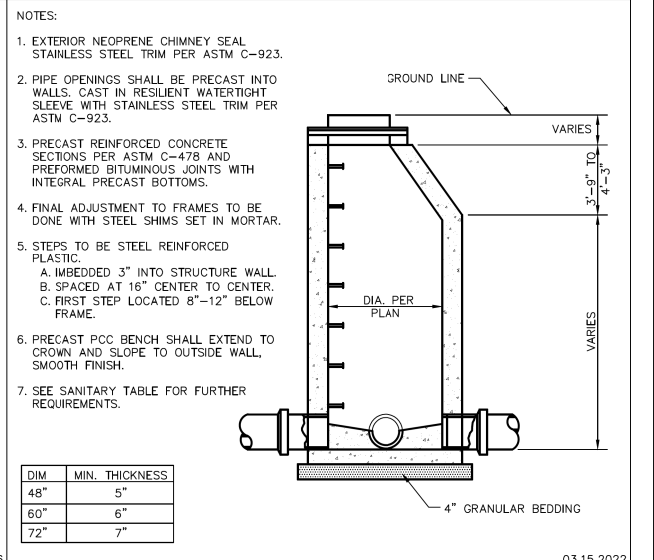
F.A.P. RTE. 338	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 210
CONTRACT NO. 61J87			ILLINOIS FED. AID PROJECT	



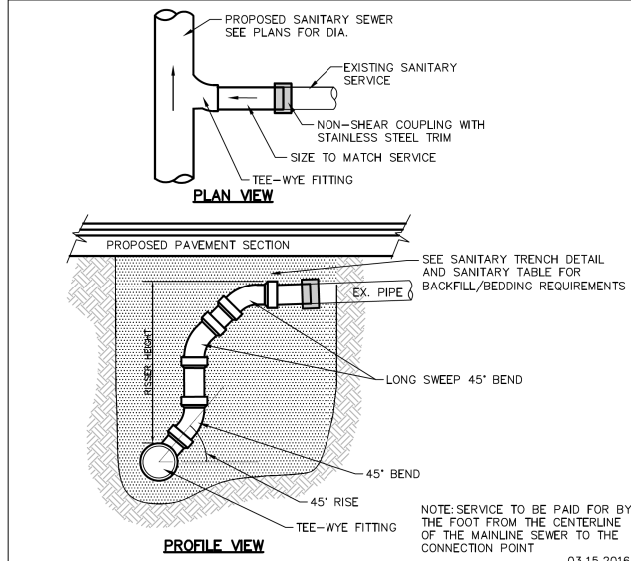
03.15.2016
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY OR COMBINED SEWER PIPE CONNECTION TO EXISTING STRUCTURE DETAIL



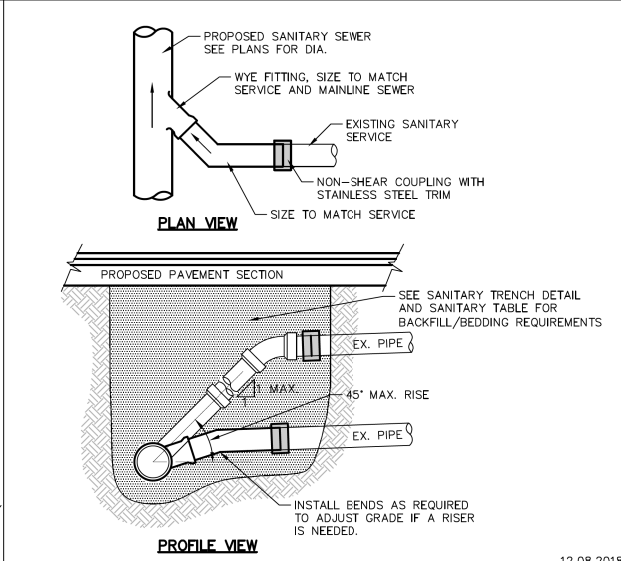
03.15.2016
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY DROP MANHOLE CONNECTION



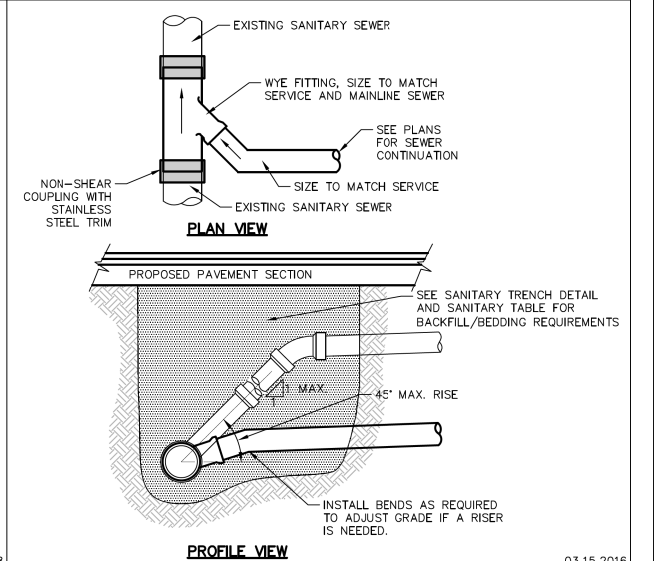
03.15.2022
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY MANHOLE



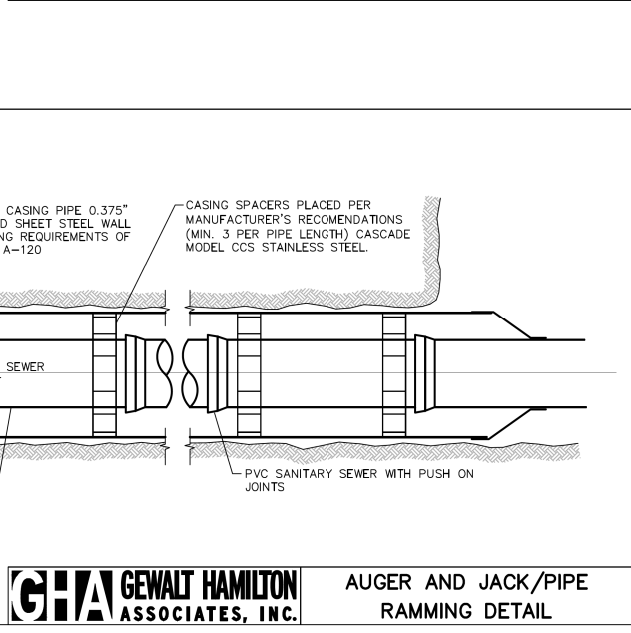
03.15.2016
GHA GEWALT HAMILTON ASSOCIATES, INC. VERTICAL RISER SERVICE DETAIL



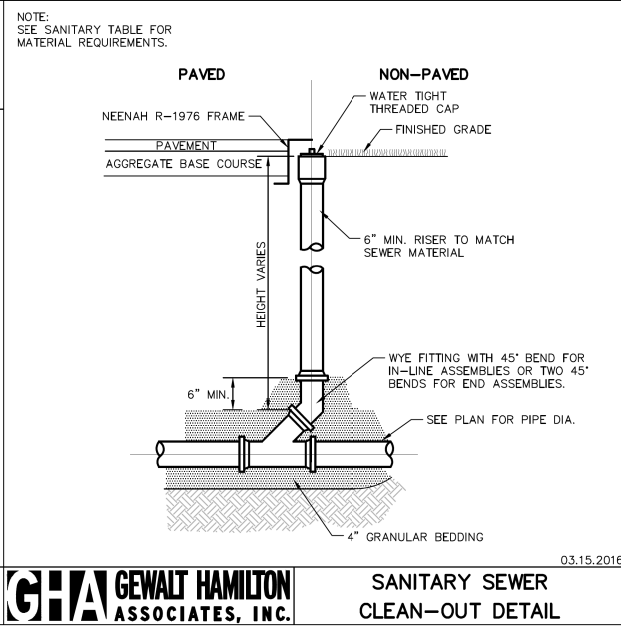
12.08.2018
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY SERVICE RECONNECTION DETAIL



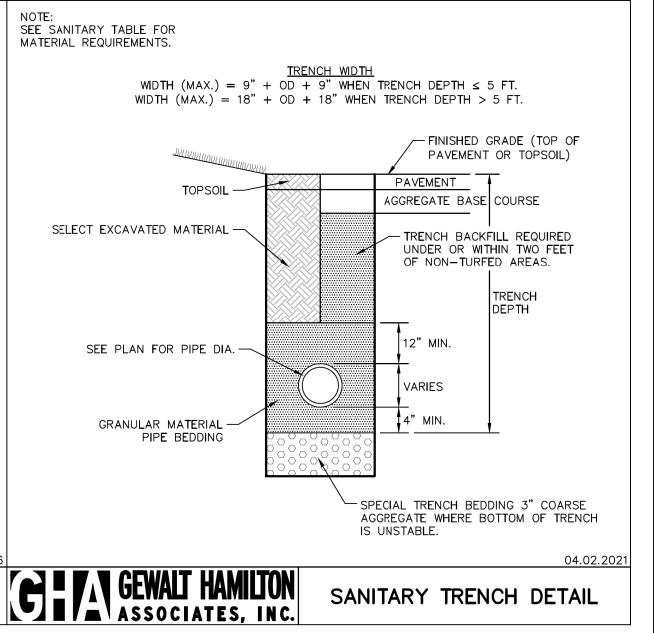
03.15.2016
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY SERVICE CONNECTION DETAIL



GHA GEWALT HAMILTON ASSOCIATES, INC. AUGER AND JACK/PIPE RAMMING DETAIL



03.15.2016
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY SEWER CLEAN-OUT DETAIL



04.02.2021
GHA GEWALT HAMILTON ASSOCIATES, INC. SANITARY TRENCH DETAIL

MODEL: 1400001.DWG
 FILE NAME: 11-00087-00-GS-001.dwg

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

**ROUTE: NORTHWEST HIGHWAY
(STATE ROUTE 14)**

SECTION: 11-00067-00-GS

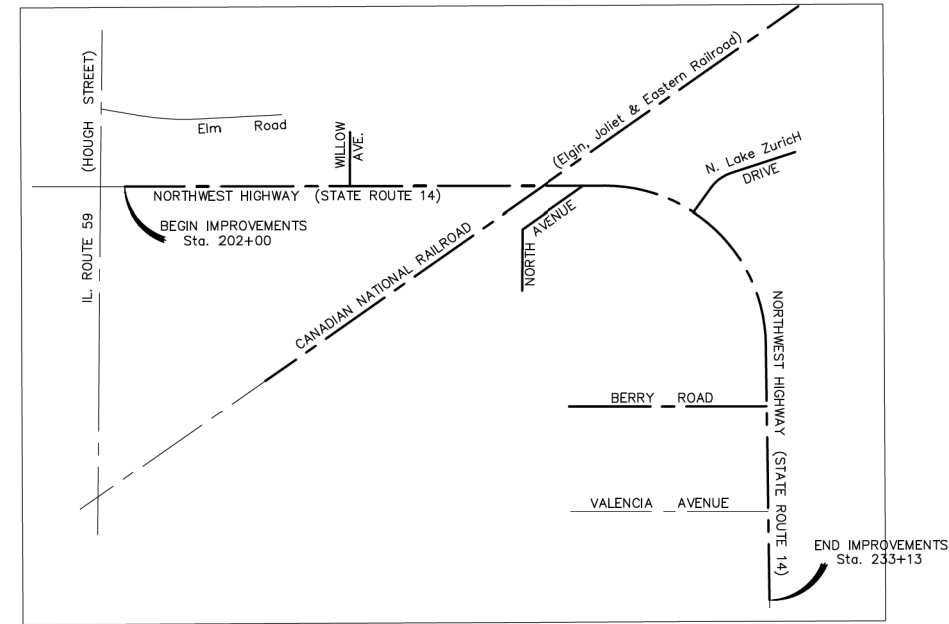
COUNTY: LAKE

LIMITS: 202+00 - 233+13

JOB NO.: R-91-001-15

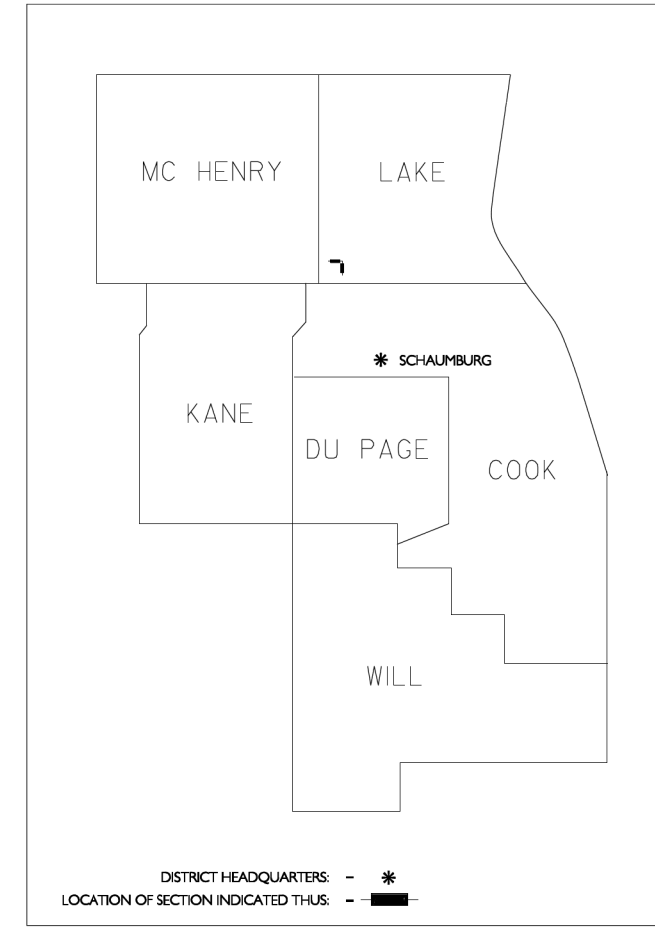
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Route	Section	LAKE	12	1
		ILLINOIS	CONTRACT NO. Contract	

PARCEL NUMBER	OWNER	STREET ADDRESS	SHEET NO.	PROPERTY ACQUIRED BY
1MF0110 1MF0110 T.E.	L.B. ANDERSEN & COMPANY, INC., AS TO AN UNDIVIDED 1/2 INTEREST AND CHICAGO TITLE LAND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 25TH DAY OF MARCH, 2013, KNOWN AS TRUST NUMBER 8002361519	101 LIONS DRIVE	2	
1MF0111	THE LEO G. STRATON LIVING TRUST AS TO AN UNDIVIDED 1/2 INTEREST AND THE THERESA L. STRATON LIVING TRUST AS TO AN UNDIVIDED 1/2 INTEREST, EACH HOLDING THEIR RESPECTIVE INTERESTS AS JOINT TENANTS	557 N. HOUGH STREET	3	
1MF0112 T.E.	NATIONAL RETAIL PROPERTIES, LP, A DELAWARE LIMITED PARTNERSHIP	563 NORTHWEST HIGHWAY	3	
1MF0114	MICHAEL S. MARKOWSKI AND KRISTA A. MARKOWSKI, HUSBAND AND WIFE, AS TRUSTEE UNDER A TRUST AGREEMENT DATED JULY 12, 2008 AND DESIGNATED THE MARKOWSKI FAMILY TRUST	107 ELM ROAD	3	
1MF0115 1MF0115 T.E.	ANDREW THOMAS LAUE AND JILLIAN MARIE LAUE, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	113 ELM ROAD	3	
1MF0117	HELEN K. SCHIEWE AS TRUSTEE OF THE HELEN K. SCHIEWE TRUST U/T/A/ DATED MARCH 3, 2009	225 ELM ROAD	3	
1MF0118 T.E.	SHORELY WOOD CONDOMINIUM APARTMENTS ASSOCIATION ON BEHALF OF THE UNIT OWNERS AS THEIR INTEREST MAY APPEAR	510 - 565 SHORELY DRIVE	4	
1MF019 P.E. 1MF019 T.E.	THE SHORELY WOOD CONDOMINIUM NO. ONE ASSOCIATION ON BEHALF OF THE UNIT OWNERS AS THEIR INTEREST MAY APPEAR	571 - 599 SHORELY DRIVE	4	
1MF0120 P.E. 1MF0120 T.E.	HEATHER MOORE, AN UNMARRIED PERSON	542 NORTH AVENUE	9	
1MF0121	ANOOSH VARDA AND ALBERTA VARDA, HUSBAND AND WIFE, IN JOINT TENANCY	25625 W. ELM ROAD	5	
1MF0124	VILLAGE OF BARRINGTON, A MUNICIPAL CORPORATION	0 ELM ROAD	5	
1MF0128	LAUREN B. PATEL AND SAGAR J. PATEL, AS TENANTS BY THE ENTIRETY	557 NORTH AVENUE	6	
1MF0129 P.E.A 1MF0129 P.E.B	JAMES E. CARNEL, AS TO AN UNDIVIDED 1/2 INTEREST AND CHRIS CARNEL AND MARY JO CARNEL, AS JOINT TENANTS, AS TO A 1/2 INTEREST.	410 PARK LANE	6	
1MF0130 P.E.A 1MF0130 P.E.B	MICHAEL J. HAUT AND MAUREEN M. HAUT, HUSBAND AND WIFE, AS JOINT TENANTS	416 PARK LANE	6	
1MF0131 P.E.A 1MF0131 P.E.B	RYAN KLINE	422-426 PARK LANE	6	
1MF0132 P.E.	CHDH LLC, AND ILLINOIS LIABILITY COMPANY	428 PARK LANE	6	
1MF0133 P.E.	TERESA JEANE SCHURECHT, WIDOW	434 PARK LANE	6	
1MF0134 (LOT1) 1MF0134 P.E. 1MF0134 T.E.	BARRINGTON PARK DISTRICT, COOK AND LAKE COUNTIES, IL, A BODY CORPORATE AND POLITIC	511 LAKE ZURICH ROAD	7	
1MF0135 (LOT 2) 1MF0135 T.E.A 1MF0135 T.E.B	BARRINGTON PARK DISTRICT, COOK AND LAKE COUNTIES, IL, A BODY CORPORATE AND POLITIC	511 LAKE ZURICH ROAD	7	
1MF0136	VILLAGE OF BARRINGTON, A MUNICIPAL CORPORATION	VALENCIA AVENUE	8	
1MF0137 P.E.A 1MF0137 P.E.B 1MF0137 T.E.A 1MF0137 T.E.B	WISCONSIN CENTRAL LTD., SUCCESSOR BY MERGER TO ELGIN, JOLIET AND EASTERN RAILWAY COMPANY SUCCESSOR BY MERGER TO EJ&E WEST COMPANY	NORTHWEST HWY/C.N.N.R.O.W.	9	
1MF0138 1MF0138 T.E.A 1MF0138 T.E.B	SUPPES GROUP, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	101 W. NORTHWEST HIGHWAY	3	
1MF0139	CREEKSIDE POINTE CONDOMINIUMS ASSOCIATION ON BEHALF OF THE UNIT OWNERS AS THEIR INTEREST MAY APPEAR	541-543 N. HOUGH ST	2	
1MF0140	THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION	205 ELM ROAD	3	I.D.O.T.
1MF0141	VILLAGE OF BARRINGTON, A MUNICIPAL CORPORATION	WILLOW ROAD	5	
1MF0142	THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION	303 ELM ROAD 317 ELM ROAD	5	I.D.O.T.
1MF0143	THE PEOPLE OF THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION	335 ELM ROAD	5&6	I.D.O.T.
1MF0144 T.E.	THE GARLANDS OF BARRINGTON, LLC. AN ILLINOIS LIMITED LIABILITY COMPANY	1000 GARLANDS LANE	8	
1MF0145 T.E.	ANTHONY J. LEIDIG, SR.	440 PARK LANE	6&7	
1MF0146 T.E.	KOH HOLDING, LLC	446 PARK LANE	7	
1MF0147 T.E.	BILAI HUNANI AND SUMAIRA HUNANI, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	450 PARK LANE	7	
1MF0148 T.E.	KOH HOLDING, LLC	456 PARK LANE	7	
1MF0149 P.E.	CHDH LLC, AND ILLINOIS LIMITED LIABILITY COMPANY	428 PARK LANE	6	
1MF0150 P.E.	TERESA JEANE SCHURECHT, A WIDOW	432 PARK LANE	6	
1MF0151 P.E.	ANTHONY J. LEIDIG, SR.	436 PARK LANE	7	
1MF0152 P.E.	TK ISAAC HOLDING PRIVATE LLC, A DELAWARE LIMITED LIABILITY COMPANY	442 PARK LANE	7	



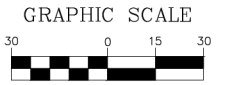
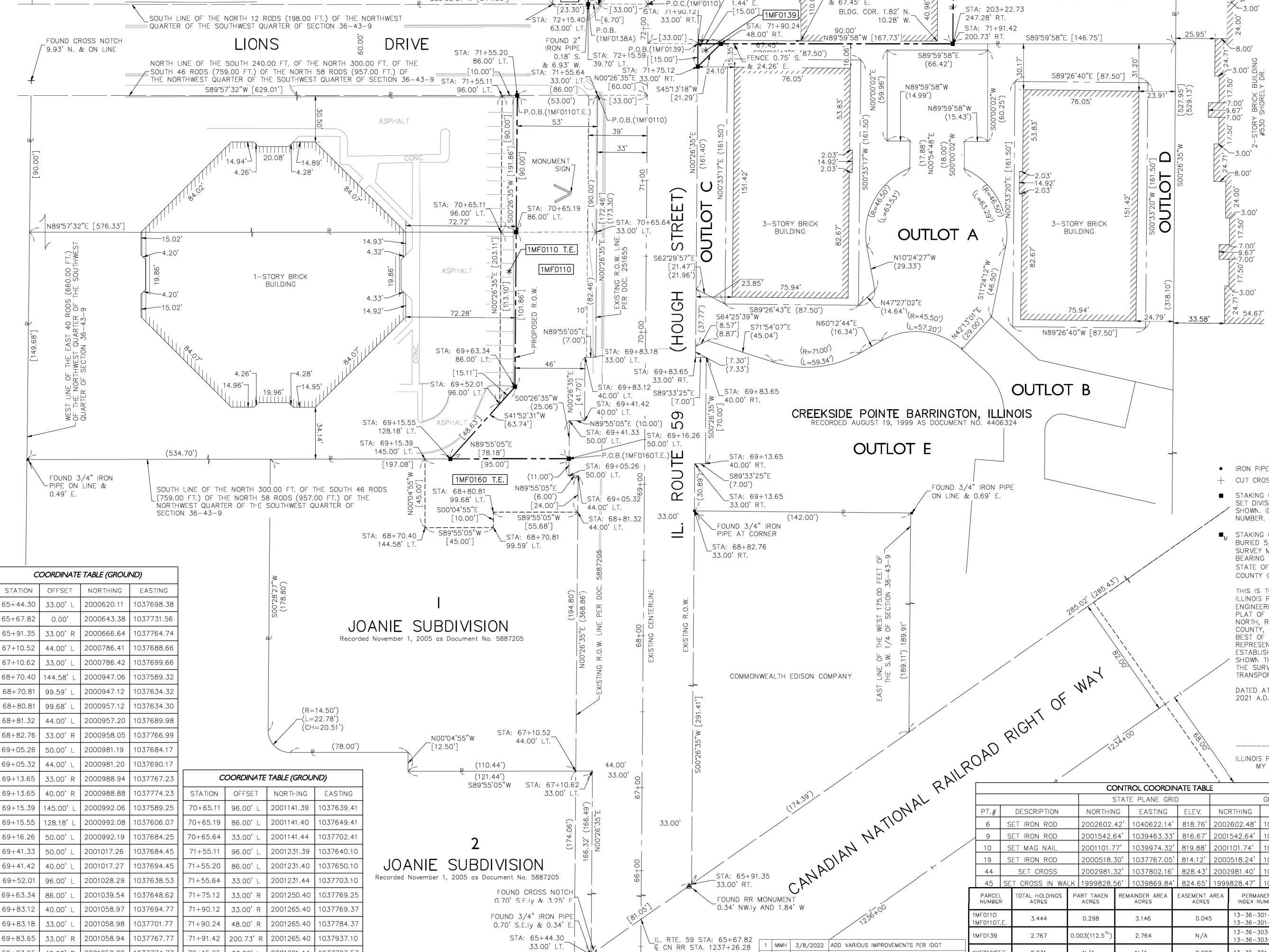
LOCATION MAP
N.G.S. Monumentation
BH01 PID: NH1700
BH11 PID: NH1703
BH21 PID: AJ3059
CO053 1A PID: AJ2847
LAK12 3B PID: AJ2860

PARCEL NUMBER	OWNER	STREET ADDRESS	SHEET NO.	PROPERTY ACQUIRED BY
1MF0153 P.E.	BILAI HUNANI AND SUMAIRA HUNANI, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	448 PARK LANE	7	
1MF0154 P.E.	TK ISAAC HOLDING PRIVATE LLC, A DELAWARE LIMITED LIABILITY COMPANY	454 PARK LANE	7	
1MF0155 1MF0155 T.E.	THE BOARD OF LIBRARY TRUSTEES OF THE BARRINGTON PUBLIC LIBRARY DISTRICT, LAKE, KANE, COOK AND MCHENRY COUNTIES, ILLINOIS, AN ILLINOIS MUNICIPAL CORPORATION	505 N. NORTHWEST HIGHWAY	7&8	
1MF0156 T.E.	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO PALATINE NATIONAL BANK & TRUST COMPANY UNDER TRUST AGREEMENT DATED AUGUST 30, 1985 AND KNOWN AS TRUST NUMBER 4663	447 E. DRURY LANE	7	
1MF0160 T.E.	BANK OF AMERICA, N.A.	500 HOUGH STREET	2	



NO.	BY	DATE	REVISION
3	EAH	3/2/2023	UPDATE INDEX SHEET PER IDOT
2	MMH	11/4/2022	UPDATE INDEX SHEET PER IDOT
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDOT

SHEET 1 OF 9 SHEETS
IDOT USE ONLY



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99994849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".



- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- RECORD DATA
- COMPUTED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- ⊗ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL

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

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER. STATE OF ILLINOIS' S.S. COUNTY OF LAKE

THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-00922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
MY LICENSE EXPIRES NOVEMBER 30, 2022



COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
65+44.30	33.00' L	2000620.11	1037698.38
65+67.82	0.00'	2000643.38	1037731.56
65+91.35	33.00' R	2000666.64	1037764.74
67+10.52	44.00' L	2000786.41	1037688.66
67+10.62	33.00' L	2000786.42	1037699.66
68+70.40	144.58' L	2000947.06	1037589.32
68+70.81	99.59' L	2000947.12	1037634.32
68+80.81	99.68' L	2000957.12	1037634.30
68+81.32	44.00' L	2000957.20	1037689.98
68+82.76	33.00' R	2000958.05	1037766.99
69+05.26	50.00' L	2000981.19	1037684.17
69+05.32	44.00' L	2000981.20	1037690.17
69+13.65	33.00' R	2000988.94	1037767.23
69+13.65	40.00' R	2000988.88	1037774.23
69+15.39	145.00' L	2000992.06	1037589.25
69+15.55	128.18' L	2000992.08	1037606.07
69+16.26	50.00' L	2000992.19	1037684.25
69+41.33	50.00' L	2001017.26	1037684.45
69+41.42	40.00' L	2001017.27	1037694.45
69+52.01	96.00' L	2001028.29	1037638.53
69+63.34	86.00' L	2001039.54	1037648.62
69+83.12	40.00' L	2001058.97	1037694.77
69+83.18	33.00' L	2001058.98	1037701.77
69+83.65	33.00' R	2001058.94	1037767.77
69+83.65	40.00' R	2001058.88	1037774.77

COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
70+65.11	96.00' L	2001141.39	1037639.41
70+65.19	86.00' L	2001141.40	1037649.41
70+65.64	33.00' L	2001141.44	1037702.41
71+55.11	96.00' L	2001231.39	1037640.10
71+55.20	86.00' L	2001231.40	1037650.10
71+55.64	33.00' L	2001231.44	1037703.10
71+75.12	33.00' R	2001250.40	1037769.25
71+90.12	33.00' R	2001265.40	1037769.37
71+90.24	48.00' R	2001265.40	1037784.37
71+91.42	200.73' R	2001265.40	1037937.10
72+15.65	33.00' L	2001291.44	1037703.57

1
JOANIE SUBDIVISION
Recorded November 1, 2005 as Document No. 5887205

2
JOANIE SUBDIVISION
Recorded November 1, 2005 as Document No. 5887205

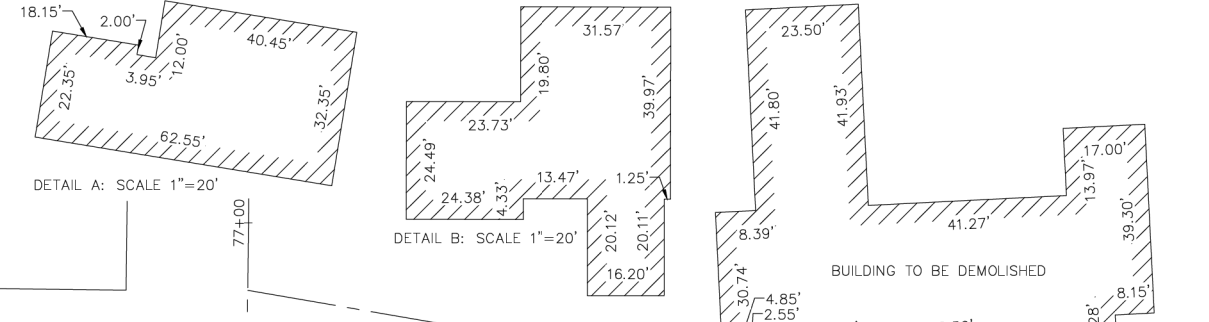
CREEKSIDE POINTE BARRINGTON, ILLINOIS
RECORDED AUGUST 19, 1999 AS DOCUMENT NO. 4406324

CONTROL COORDINATE TABLE

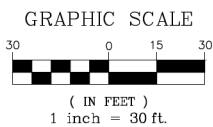
PT.#	DESCRIPTION	STATE PLANE GRID			GROUND		
		NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
6	SET IRON ROD	2002602.42'	1040622.14'	818.76'	2002602.48'	1040622.21'	818.76'
9	SET IRON ROD	2001542.64'	1039463.33'	816.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.86'	824.65'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0110	3.444	0.298	3.146	0.045	13-36-301-004	13-36-301-012
1MF0139	2.767	0.003(112.5 ^{sq})	2.764	N/A	13-36-303-119	13-36-303-199
1MF0160T.E.	0.931	N/A	N/A	0.090	13-36-301-015	

THAT PART OF SEC. 36, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS



COORDINATE TABLE (GROUND)				COORDINATE TABLE (GROUND)				COORDINATE TABLE (GROUND)				COORDINATE TABLE (GROUND)			
STATION	OFFSET	NORTHING	EASTING	STATION	OFFSET	NORTHING	EASTING	STATION	OFFSET	NORTHING	EASTING	STATION	OFFSET	NORTHING	EASTING
71+90.12	33.00' R	2001265.40	1037769.37	73+19.96	33.00' R	2001395.23	1037770.37	73+69.08	39.70' L	2001444.92	1037698.05	201+24.39	0.00'	2001512.29	1037738.28
72+15.40	63.00' L	2001291.42	1037673.57	73+21.20	200.73' R	2001395.18	1037938.10	73+91.92	62.00' L	2001467.93	1037675.93	201+65.71	100.59' L	2001612.97	1037779.40
72+15.59	39.70' L	2001291.43	1037696.87	73+28.32	62.00' L	2001404.33	1037675.44	74+13.96	0.00'	2001489.49	1037738.10	201+81.05	60.93' L	2001573.33	1037794.82
72+15.65	33.00' L	2001291.44	1037703.57	73+28.48	39.70' L	2001404.31	1037697.74	74+36.77	0.00'	2001512.29	1037738.28	201+86.23	44.08' R	2001468.33	1037800.20
72+55.73	63.00' L	2001331.75	1037673.88	73+42.27	33.00' L	2001418.06	1037704.55					202+13.62	37.14' R	2001475.32	1037827.58
72+55.89	39.70' L	2001331.73	1037697.18	73+43.64	33.00' R	2001418.92	1037770.56					202+22.58	42.84' L	2001555.32	1037836.38

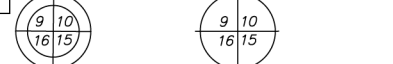


ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

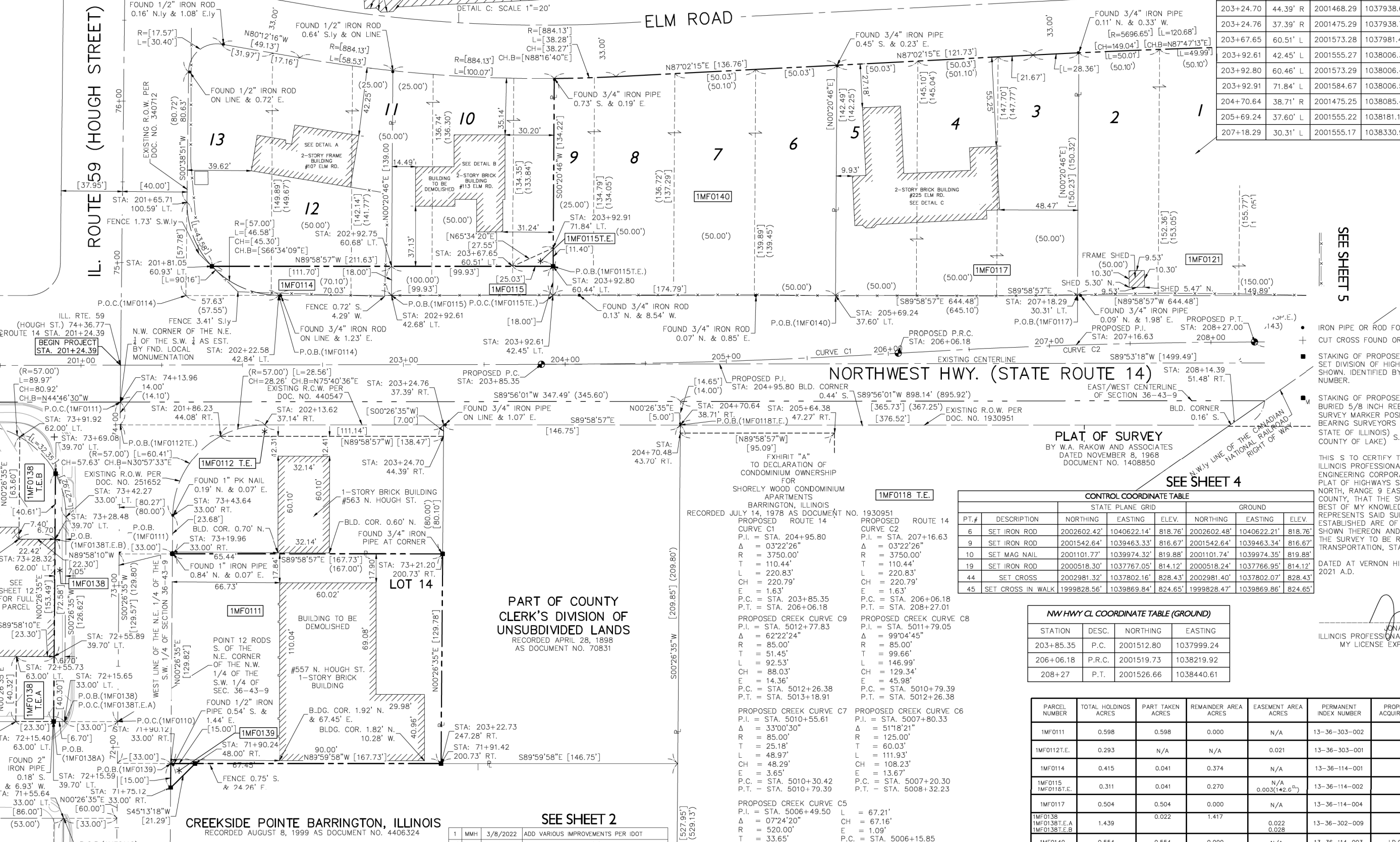
BEARINGS AND COORDINATES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 2011 ADJUSTMENT "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99994849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".



- SECTION CORNER
- QUARTER SECTION CORNER
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- RECORD DATA
- COMPUTED DIMENSION
- EXISTING BUILDING



JEWEL PARK SUBDIVISION
RECORDED JULY 26, 1929 AS DOCUMENT NO. 340712

NORTHWEST HWY. (STATE ROUTE 14)

PLAT OF SURVEY
BY W.A. RAKOW AND ASSOCIATES
DATED NOVEMBER 8, 1968
DOCUMENT NO. 1408850

SEE SHEET 4

CONTROL COORDINATE TABLE							
PT.#	DESCRIPTION	STATE PLANE GRID			GROUND		
		NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
6	SET IRON ROD	2002602.42'	1040622.14'	818.76'	2002602.48'	1040622.21'	818.76'
9	SET IRON ROD	2001542.64'	1039463.33'	816.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.86'	824.65'

NW HWY CL COORDINATE TABLE (GROUND)			
STATION	DESC.	NORTHING	EASTING
203+85.35	P.C.	2001512.80	1037999.24
206+06.18	P.R.C.	2001519.73	1038219.92
208+27	P.T.	2001526.66	1038440.61

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0111	0.598	0.598	0.000	N/A	13-36-303-002	
1MF0112.E.	0.293	N/A	N/A	0.021	13-36-303-001	
1MF0114	0.415	0.041	0.374	N/A	13-36-114-001	
1MF0115	0.311	0.041	0.270	N/A	13-36-114-002	
1MF0117	0.504	0.504	0.000	N/A	13-36-114-004	
1MF0138	1.439	0.022	1.417	0.022	13-36-302-009	
1MF0140	0.554	0.554	0.000	N/A	13-36-114-003	I.D.O.T.

- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER. STATE OF ILLINOIS) S.S. COUNTY OF LAKE)

THIS S TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-00922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
MY LICENSE EXPIRES NOVEMBER 30, 2022



GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive
Tel 847.478.9700
Vernon Hills, IL 60061
Fax 847.478.9701

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS
PROJECT JOB NO. R-91-001-15
STATION 202+00 TO STATION 233+13
SCALE: 1"=30'
SHEET 3 OF 12

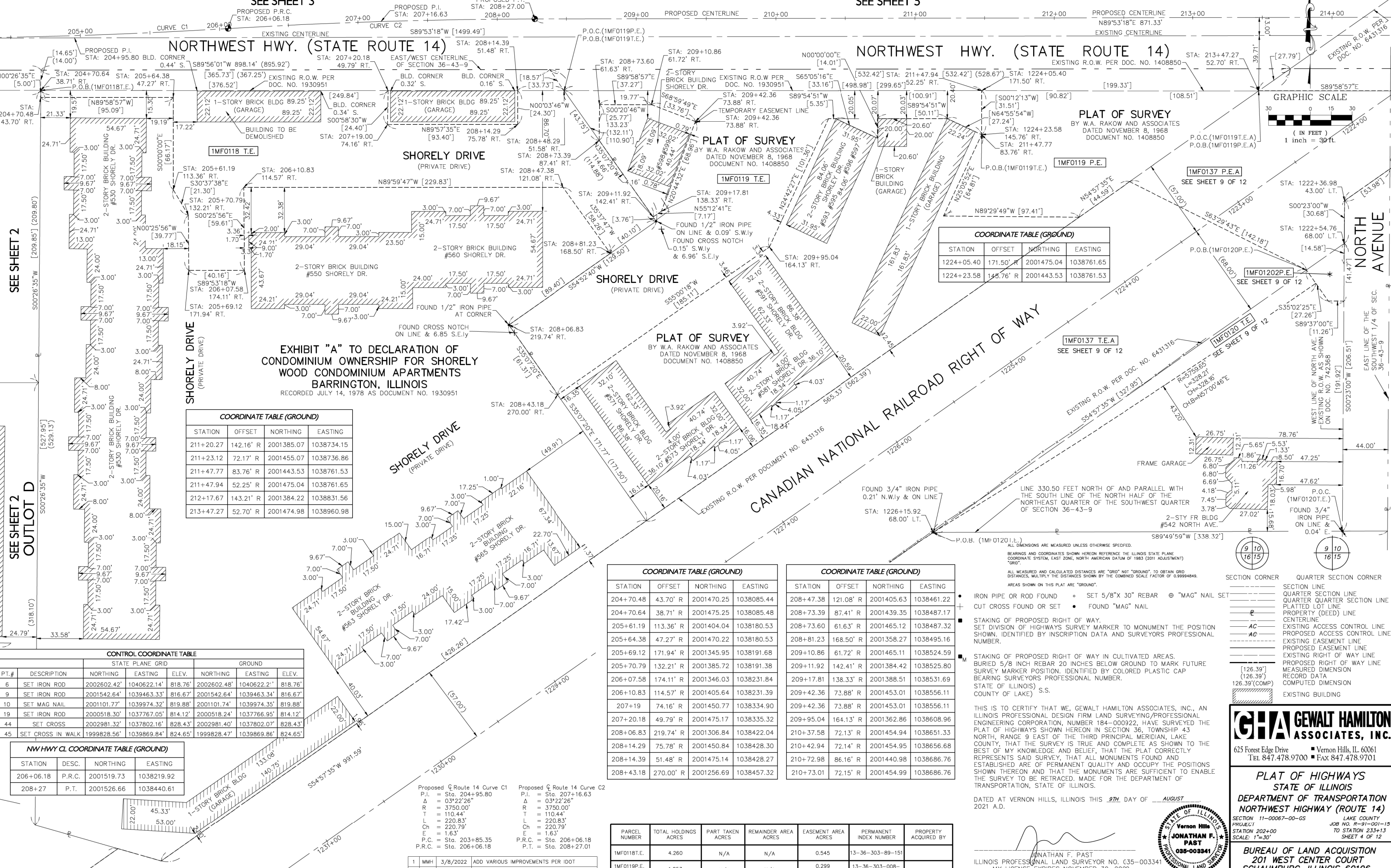
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SEE SHEET 3

SEE SHEET 5

NORTHWEST HWY. (STATE ROUTE 14)

NORTHWEST HWY. (STATE ROUTE 14)



SEE SHEET 2

SEE SHEET 2 OUTLOT D

NORTH AVENUE

1MF0118 T.E.

1MF0119 T.E.

PLAT OF SURVEY BY W.A. RAKOW AND ASSOCIATES DATED NOVEMBER 8, 1968 DOCUMENT NO. 1408850

1MF0119 P.E.

1MF0137 P.E.A. SEE SHEET 9 OF 12

1MF0120 P.E. SEE SHEET 9 OF 12

1MF0137 T.E.A. SEE SHEET 9 OF 12

1MF0120 T.E. SEE SHEET 9 OF 12

EXHIBIT "A" TO DECLARATION OF CONDOMINIUM OWNERSHIP FOR SHORELY WOOD CONDOMINIUM APARTMENTS BARRINGTON, ILLINOIS RECORDED JULY 14, 1978 AS DOCUMENT NO. 1930951

COORDINATE TABLE (GROUND) with columns: STATION, OFFSET, NORTHING, EASTING

COORDINATE TABLE (GROUND) with columns: STATION, OFFSET, NORTHING, EASTING

COORDINATE TABLE (GROUND) with columns: STATION, OFFSET, NORTHING, EASTING

CONTROL COORDINATE TABLE with columns: PT.#, DESCRIPTION, NORTHING, EASTING, ELEV.

NW HWY CL COORDINATE TABLE (GROUND) with columns: STATION, DESC., NORTHING, EASTING

Proposed C Route 14 Curve C1 and Curve C2 data including P.I., P.T., R, T, L, Ch, E, P.C., P.R.C.

Table with columns: PARCEL NUMBER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY

COORDINATE TABLE (GROUND) with columns: STATION, OFFSET, NORTHING, EASTING

BEARINGS AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99998489. AREAS SHOWN ON THIS PLAT ARE "GROUND".

- IRON PIPE OR ROD FOUND SET 5/8" X 30" REBAR @ "MAG" NAIL SET CUT CROSS FOUND OR SET FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER. STATE OF ILLINOIS (COUNTY OF LAKE) S.S.

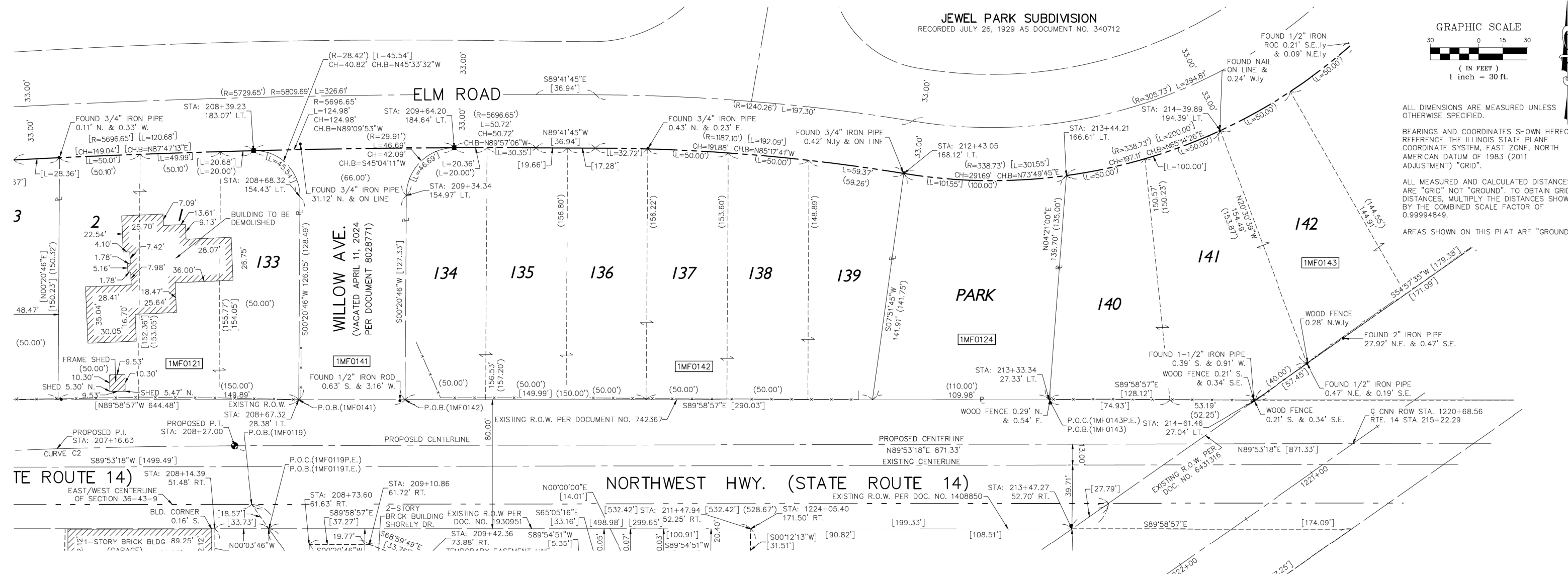
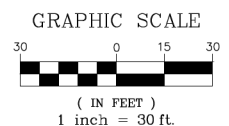
- SECTION CORNER QUARTER SECTION CORNER
- SECTION LINE
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THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-000922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

GEWALT HAMILTON ASSOCIATES, INC. 625 Forest Edge Drive Vernon Hills, IL. 60061 TEL 847.478.9700 FAX 847.478.9701. PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION NORTHWEST HIGHWAY (ROUTE 14) SECTION 11-00067-00-GS LAKE COUNTY PROJECT JOB NO. R-91-001-15 STATION 202+00 TO STATION 233+13 SCALE: 1"=30' SHEET 4 OF 12. BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196

CONTROL COORDINATE TABLE							
STATE PLANE GRID			GROUND				
PT.#	DESCRIPTION	NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
6	SET IRON ROD	2002602.42'	1040622.14'	818.76'	2002602.48'	1040622.21'	818.76'
9	SET IRON ROD	2001542.64'	1039463.33'	816.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.86'	824.65'



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATION	OFFSET	NORTHING	EASTING
197+47.04	35.85' R	2001475.71	1037361.00
200+33.60	36.62' R	2001475.50	1037647.56
200+61.96	44.24' R	2001467.93	1037675.93
200+84.04	67.30' R	2001444.92	1037698.05
200+90.48	94.17' R	2001418.06	1037704.55
207+18.29	30.31' L	2001555.17	1038330.97
208+67.32	28.38' L	2001555.12	1038480.87
209+33.33	28.23' L	2001555.10	1038546.88
210+83.32	27.89' L	2001555.06	1038696.87
212+23.36	27.58' L	2001555.01	1038836.91
213+33.34	27.33' L	2001554.98	1038946.89
214+61.46	27.04' L	2001554.94	1039075.01



- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
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- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- RECORD DATA
- COMPUTED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
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STATE OF ILLINOIS) S.S.
COUNTY OF LAKE)

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625 Forest Edge Drive Vernon Hills, IL 60061
TEL 847.478.9700 FAX 847.478.9701

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTHWEST HIGHWAY (ROUTE 14)
SECTION 11-00067-00-GS LAKE COUNTY
PROJECT JOB NO. R-91-001-15
STATION 202+00 TO STATION 233+13
SCALE: 1"=30' SHEET 5 OF 12

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



DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
MY LICENSE EXPIRES NOVEMBER 30, 2022

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0121	0.522	0.522	0.000	N/A	13-36-114-008	
1MF0124	0.334	0.334	0.000	N/A	13-36-115-003	
1MF0141	0.245	0.245	0.000	N/A	N/A ROAD	
1MF0142	1.050	1.050	0.000	N/A	13-36-115-001 13-36-115-002	I.D.O.T.
1MF0143	0.859	0.859	0.000	N/A	13-36-115-004 13-36-202-001 13-36-202-002	I.D.O.T.

Proposed Creek Curve	Proposed Creek Curve	Proposed Creek Curve	Proposed Creek Curve	Proposed Creek Curve	Proposed Creek Curve
Proposed Creek Curve C1 P.I. = Sta. 5001+07.11 Δ = 65°40'49" R = 100.00' T = 64.54' L = 114.63' Ch = 108.46' E = 19.02' P.C. = Sta. 5000+42.57 P.T. = Sta. 5001+57.20	Proposed Creek Curve C3 P.I. = Sta. 5004+03.93 Δ = 13°47'33" R = 220.00' T = 26.61' L = 52.96' Ch = 52.83' E = 1.60' P.C. = Sta. 5003+77.32 P.T. = Sta. 5004+30.28	Proposed Creek Curve C5 P.I. = Sta. 5006+49.50 Δ = 07°24'20" R = 520.00' T = 33.65' L = 67.21' Ch = 67.16' E = 1.09' P.C. = Sta. 5006+15.85 P.T. = Sta. 5006+83.06	Proposed Creek Curve C2 P.I. = Sta. 5002+86.44 Δ = 10°52'53" R = 180.00' T = 17.14' L = 112.09' Ch = 111.84' E = 3.29' P.C. = Sta. 5002+69.29 P.T. = Sta. 5003+03.48	Proposed Creek Curve C4 P.I. = Sta. 5004+86.59 Δ = 13°22'49" R = 480.00' T = 56.30' L = 122.09' Ch = 122.09' E = 1.63' P.C. = Sta. 5004+30.28 P.T. = Sta. 5005+42.38	Proposed Creek Curve C2 P.I. = Sta. 207+16.63 Δ = 03°22'26" R = 3750.00' T = 110.44' L = 220.83' Ch = 220.79' E = 1.63' P.C. = Sta. 206+06.18 P.T. = Sta. 208+27.01

COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
218+86.15	63.00' R	2001435.80	1039473.16
219+04.85	57.29' R	2001434.93	1039490.60
219+04.88	63.00' R	2001429.66	1039488.39
219+09.74	157.85' R	2001341.03	1039454.41
219+11.34	162.84' R	2001336.01	1039453.42
219+74.65	57.01' R	2001407.15	1039545.97
219+77.40	157.58' R	2001319.79	1039496.10
219+77.58	162.58' R	2001315.44	1039493.62

Q COORDINATE TABLE (GROUND)

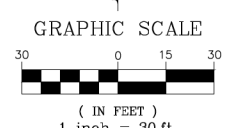
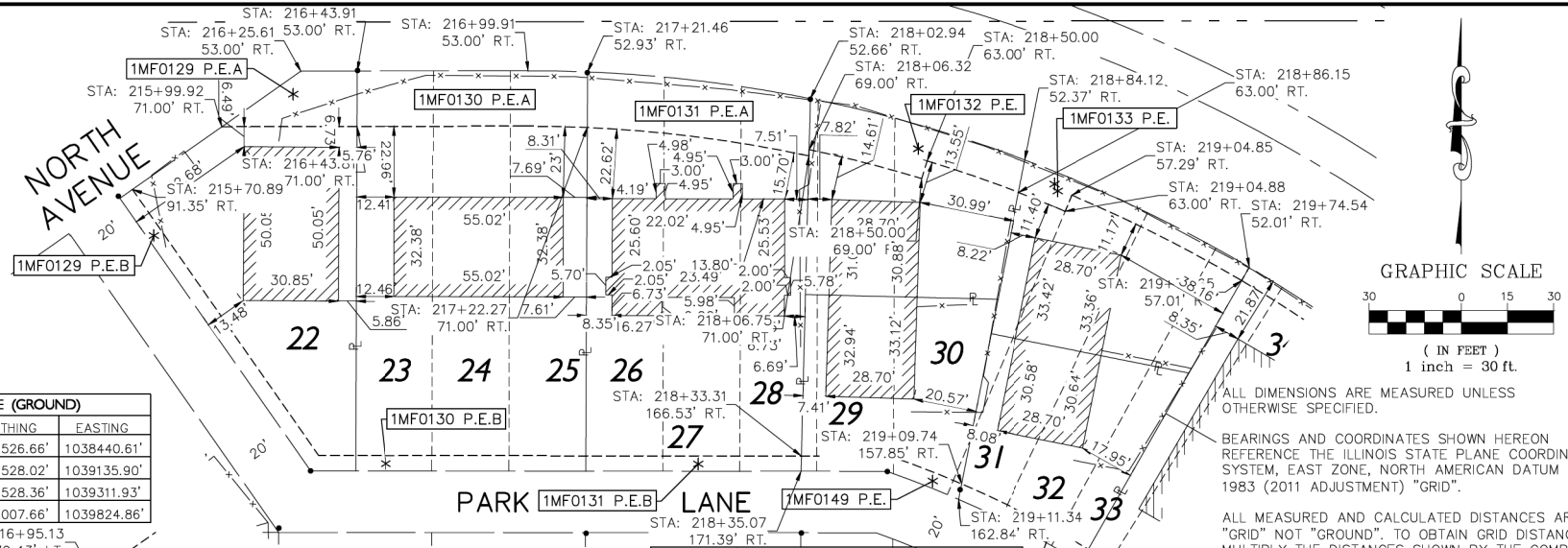
STATION	DISC.	NORTHING	EASTING
208+27.01	P.T.	2001526.66'	1038440.61'
215+22.29	RTE./C.N.	2001528.02'	1039135.90'
216+98.33	P.C.	2001528.36'	1039311.93'
225+12.29	P.T.	2001007.66'	1039824.86'

COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
213+81.34	181.38' R	2001346.37	1038995.30
213+88.07	191.01' R	2001336.75	1039002.04
213+96.95	203.73' R	2001324.05	1039010.95
214+08.20	203.83' R	2001323.97	1039022.21
214+08.56	162.36' R	2001365.44	1039022.48
214+08.84	131.68' R	2001396.12	1039022.70
214+61.46	27.04' L	2001554.94	1039075.01
214+68.22	190.07' R	2001337.84	1039082.20
214+68.43	163.10' R	2001364.81	1039082.36
214+76.19	166.31' R	2001361.62	1039090.12
214+90.98	147.31' R	2001380.65	1039104.87
215+21.36	53.10' R	2001474.92	1039135.07
215+66.79	94.21' R	2001433.90	1039180.58
215+70.89	91.35' R	2001436.76	1039184.68
215+99.92	71.00' R	2001457.17	1039213.66
216+25.61	53.00' R	2001475.22	1039239.32
216+28.56	183.00' R	2001345.23	1039242.52
216+31.18	178.01' R	2001350.23	1039245.13
216+43.17	183.04' R	2001345.21	1039257.13
216+43.20	178.04' R	2001350.21	1039257.15
216+43.81	71.00' R	2001457.26	1039257.55
216+43.91	53.00' R	2001475.26	1039257.62
217+21.46	52.93' R	2001475.00	1039332.77
217+22.27	71.00' R	2001456.92	1039332.69
217+28.85	177.67' R	2001350.14	1039332.20
217+29.27	182.66' R	2001345.14	1039332.18
218+02.94	52.66' R	2001466.33	1039405.25
218+06.32	69.00' R	2001449.73	1039404.83
218+06.75	71.00' R	2001447.69	1039404.78
218+33.31	166.53' R	2001350.07	1039402.31
218+35.07	171.39' R	2001345.07	1039402.18
218+50	63.00' R	2001446.06	1039443.16
218+50	69.00' R	2001440.32	1039441.42
218+73.69	157.99' R	2001350.05	1039431.18
218+74.97	162.98' R	2001345.05	1039430.33

CONTROL COORDINATE TABLE

PT.#	DESCRIPTION	STATE PLANE GRID			GROUND		
		NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
6	SET IRON ROD	2002602.42'	1040622.14'	010.76'	2002602.40'	1040622.21'	010.76'
9	SET IRON ROD	2001542.64'	1039463.33'	816.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.86'	824.65'

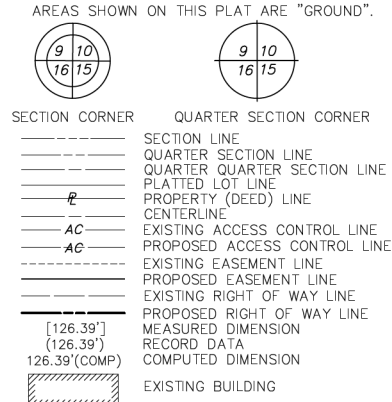


ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND COORDINATES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99994849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".



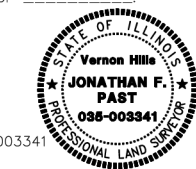
- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- FOUND "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

STATE OF ILLINOIS) S.S.
 COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-00922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
 MY LICENSE EXPIRES NOVEMBER 30, 2022



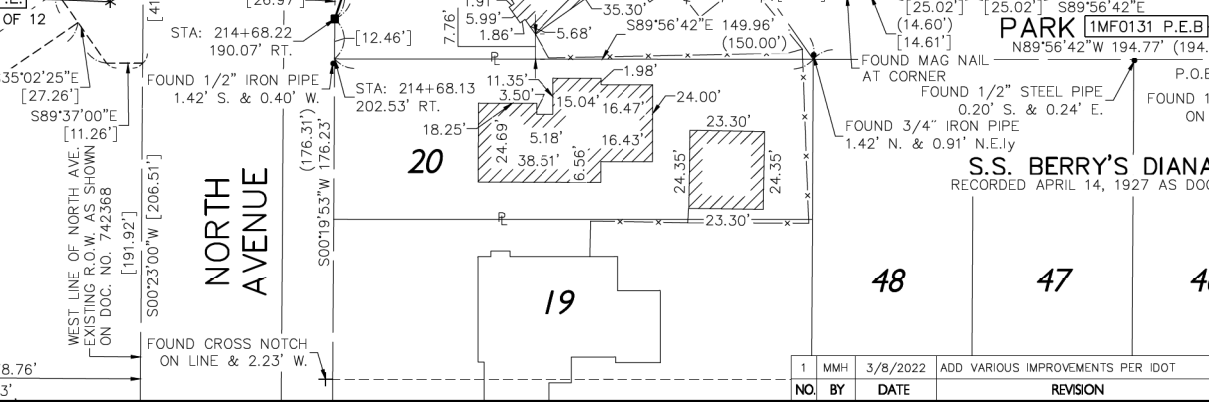
GEWALT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive
 Vernon Hills, IL 60061
 Tel 847.478.9700 Fax 847.478.9701

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS
 PROJECT
 STATION 202+00
 SCALE: 1"=30'

LAKE COUNTY
 JOB NO. R-91-001-15
 TO STATION 233+12
 SHEET 6 OF 12

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMUNGER, ILLINOIS 60196



NW HWY CL COORDINATE TABLE (GROUND)

STATION	DESC.	NORTHING	EASTING
216+98.33	P.C.	2001528.36	1039311.93
225+12.29	P.T.	2001007.66	1039824.86

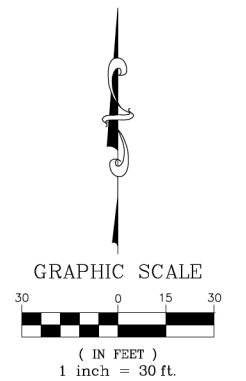
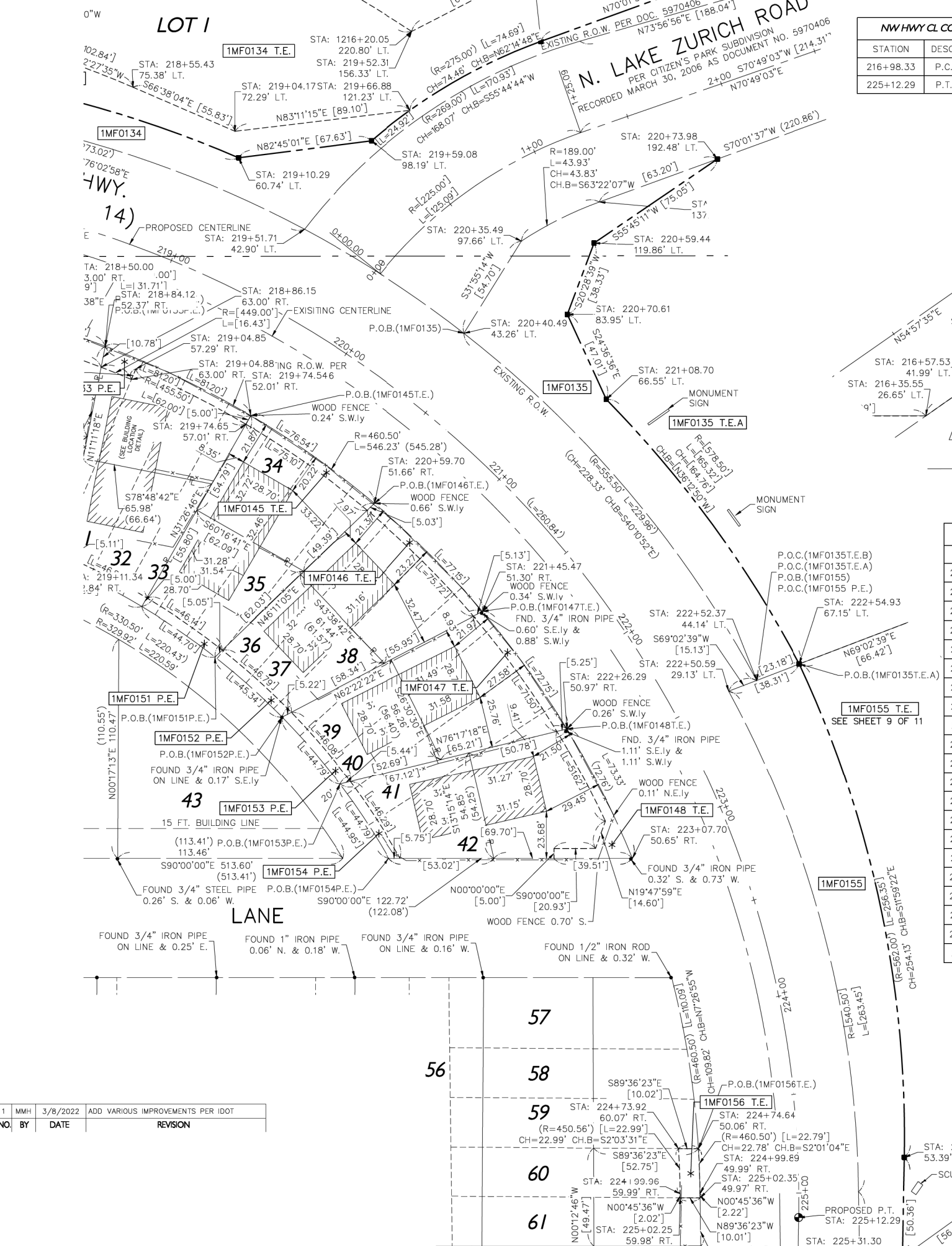
COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
216+98.33	125.00' L	2001653.36	1039311.69
217+00.52	60.01' L	2001588.37	1039314.27
217+32.23	87.29' L	2001614.42	1039351.42
217+44.78	112.57' L	2001638.47	1039368.30
217+50.12	104.96' L	2001630.29	1039374.04
218+31.34	171.62' L	2001677.39	1039487.24
219+04.17	72.29' L	2001554.51	1039540.51
219+10.29	60.74' L	2001541.17	1039542.30
219+52.31	156.33' L	2001604.75	1039629.89
219+59.08	98.19' L	2001549.70	1039609.39
219+66.88	121.23' L	2001565.08	1039628.98
219+74.54	52.01' R	2001411.49	1039548.45
219+74.65	57.01' R	2001407.15	1039545.97
219+77.40	157.58' R	2001319.79	1039496.10
219+77.58	162.58' R	2001315.44	1039493.62
219+96.12	185.29' L	2001599.75	1039694.87
220+43.05	162.31' R	2001290.17	1039530.45
220+44.03	157.31' R	2001293.67	1039534.09
220+59.12	56.66' R	2001363.83	1039607.22
220+59.70	51.66' R	2001367.31	1039610.84
221+09.41	162.03' R	2001259.96	1039564.21

COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
221+11.54	157.02' R	2001262.38	1039568.84
221+44.23	56.31' R	2001310.57	1039660.92
221+45.47	51.30' R	2001312.95	1039665.47
221+74.90	161.76' R	2001226.07	1039593.45
221+77.98	156.75' R	2001227.36	1039598.74
222+24.54	55.98' R	2001252.77	1039702.89
222+26.29	50.97' R	2001254.02	1039707.99
222+40.59	161.49' R	2001188.59	1039618.21
222+44.66	156.48' R	2001188.59	1039623.96
222+82.48	55.75' R	2001207.32	1039727.30
222+84.45	84.99' R	2001193.59	1039701.43
222+89.93	87.04' R	2001188.59	1039701.43
222+94.42	65.86' R	2001193.59	1039722.36
223+07.70	50.65' R	2001188.59	1039740.93
224+73.92	60.07' R	2001042.53	1039764.11
224+74.64	50.06' R	2001042.46	1039774.13
224+83.88	53.39' L	2001038.11	1039877.91
225+02.25	59.98' R	2001017.54	1039764.95
225+02.35	49.97' R	2001017.47	1039774.96
225+31.30	52.43' L	2000987.75	1039876.96

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0134 (LOT 1)	5.135	0.241	4.894	N/A	13-36-205-001	
1MF0134 P.E.				0.121		
1MF0134 T.E.				1.308		
1MF0135 (LOT 2)	37.313	0.193	37.120	N/A	13-36-206-001	
1MF0135 T.E.A.				1.242		
1MF0135 T.E.B.				0.125		
1MF0145 T.E.	0.084	N/A	N/A	0.009(379.1 ^{sq})	13-36-401-006	
1MF0146 T.E.	0.086	N/A	N/A	0.009(382.2 ^{sq})	13-36-401-007	
1MF0147 T.E.	0.086	N/A	N/A	0.008(360.6 ^{sq})	13-36-401-008	
1MF0148 T.E.	0.086	N/A	N/A	0.014	13-36-401-009	
1MF0151 P.E.	0.070	N/A	N/A	0.005(227.1 ^{sq})	13-36-401-012	
1MF0152 P.E.	0.070	N/A	N/A	0.005(230.3 ^{sq})	13-36-401-013	
1MF0153 P.F.	0.064	N/A	N/A	0.005(227.2 ^{sq})	13-36-401-014	
1MF0154 P.E.	0.065	N/A	N/A	0.005(228.1 ^{sq})	13-36-401-015	
1MF0155	12.333	0.352	11.981	N/A	13-36-402-032 13-36-402-033 13-36-406-018 13-36-402-040	
1MF0155 T.E.				0.792		
1MF0156 T.E.	0.154	N/A	N/A	0.006(250.1 ^{sq})	13-36-403-013	

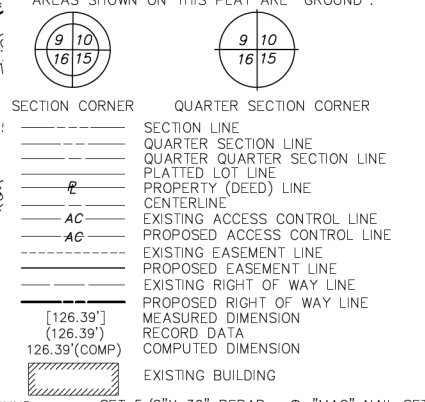


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BEARINGS AND COORDINATES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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AREAS SHOWN ON THIS PLAT ARE "GROUND".



- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER, STATE OF ILLINOIS) S.S. COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-00922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
MY LICENSE EXPIRES NOVEMBER 30, 2022



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

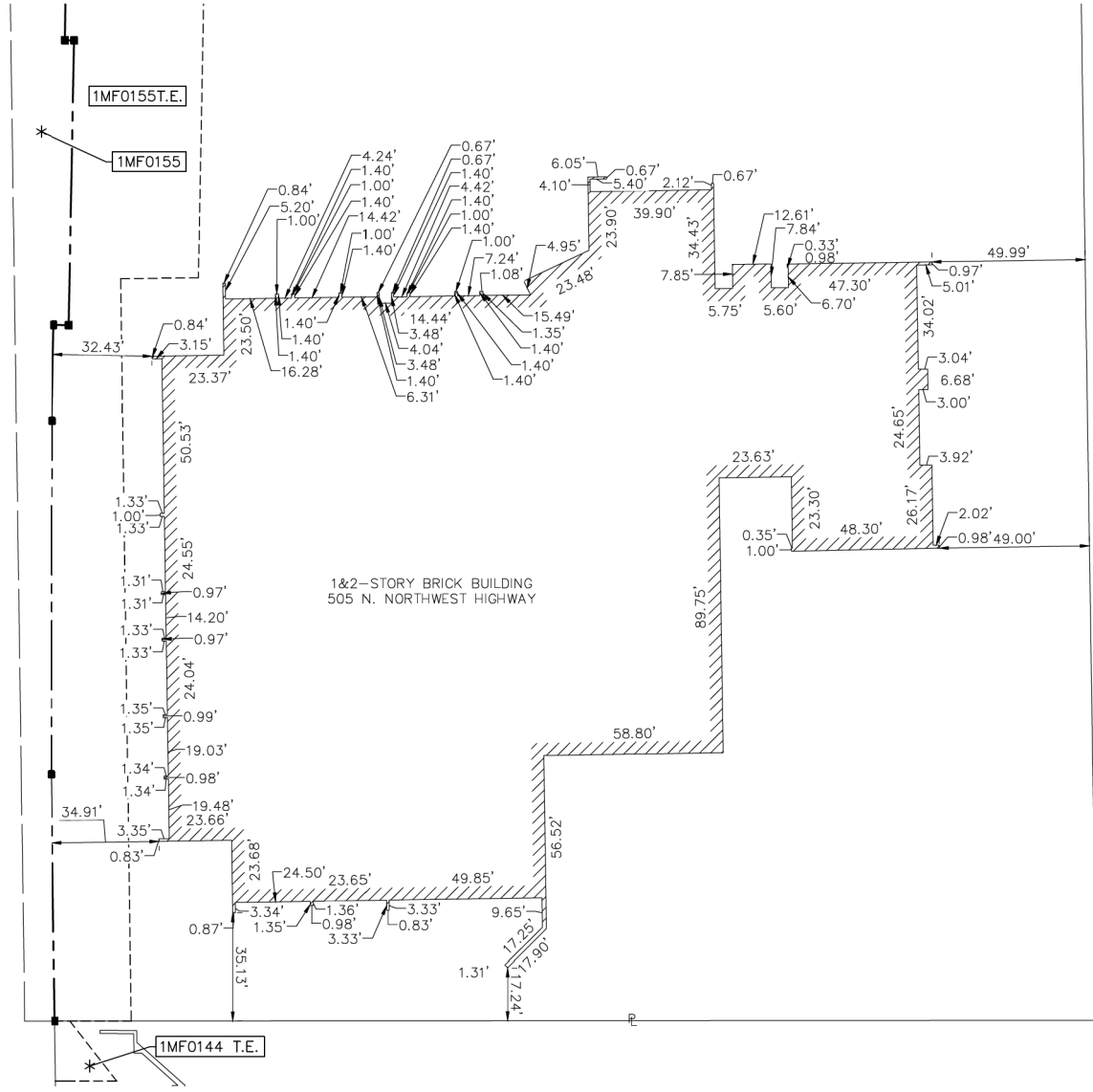
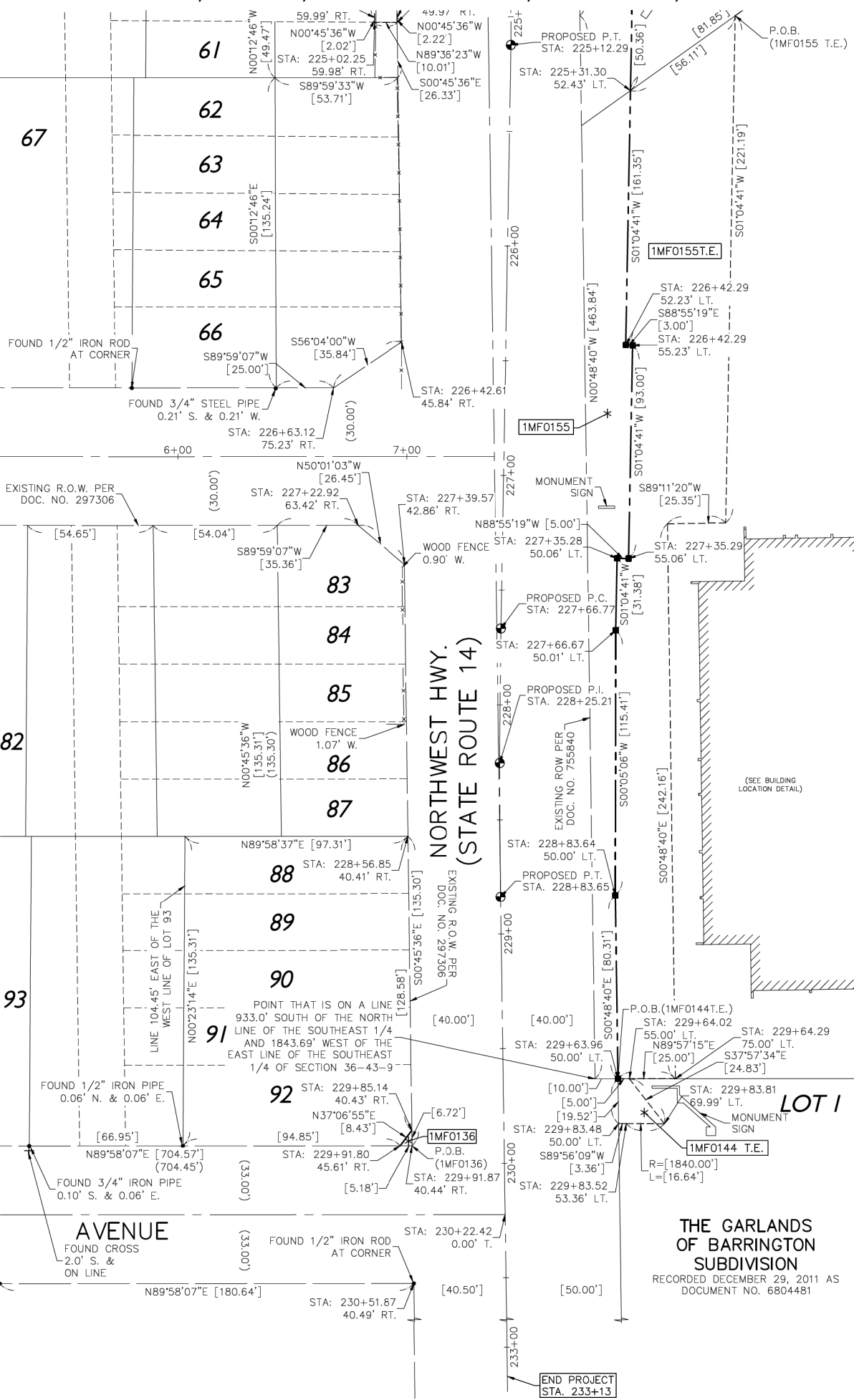
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS
PROJECT JOB NO. R-91-001-15
STATION 202+00 TO STATION 233+13
SCALE: 1"=30'
LAKE COUNTY
SHEET 7 OF 12

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

NO.	BY	DATE	REVISION
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDOT

THAT PART OF SEC. 36, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS

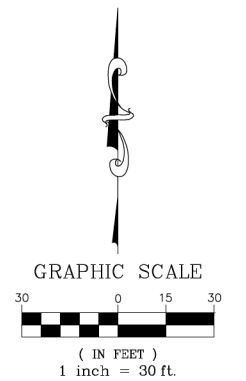


COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
225+31.30	52.43' L	2000987.75	1039876.96
226+42.29	52.23' L	2000876.79	1039874.87
226+42.29	55.23' L	2000876.73	1039877.87
227+19.06	97.09' L	2000799.26	1039918.42
227+19.85	71.75' L	2000798.90	1039893.07
227+35.28	50.06' L	2000783.84	1039871.12
227+35.29	55.06' L	2000783.75	1039876.12
228+83.64	50.00' L	2000637.05	1039870.36
229+63.82	40.00' L	2000556.74	1039861.50
229+63.96	50.00' L	2000556.74	1039871.50
229+64.02	55.00' L	2000556.75	1039876.50
229+64.29	75.00' L	2000556.76	1039896.50
229+83.48	50.00' L	2000537.22	1039871.77
229+83.52	53.36' L	2000537.23	1039875.13
229+83.81	69.99' L	2000537.17	1039891.77
229+85.14	40.43' R	2000534.28	1039781.37
229+91.80	45.61' R	2000527.55	1039776.28
229+91.87	40.44' R	2000527.56	1039781.46

NW HWY CL COORDINATE TABLE (GROUND)

STATION	DESC.	NORTHING	EASTING
225+12.29	P.C.	2001007.66	1039824.86
227+66.77	P.T.	2000753.21	1039820.53
228+25.21	P.I.	2000694.78	1039819.99
228+83.64	P.T.	2000636.34	1039820.36

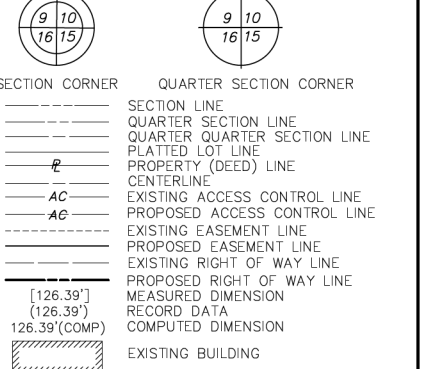


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AREAS SHOWN ON THIS PLAT ARE "GROUND".



Proposed Route 14 Curve C4
 P.I. = Sta. 228+25.21
 Δ = 01°47'09"
 R = 3750.00'
 T = 58.44'
 A = 116.88'
 Ch = 116.88'
 E = 0.45'
 P.C. = Sta. 227+66.77
 P.T. = Sta. 228+83.65

- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER. STATE OF ILLINOIS) S.S. COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-000922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
 MY LICENSE EXPIRES NOVEMBER 30, 2022



THE GARLANDS OF BARRINGTON SUBDIVISION
 RECORDED DECEMBER 29, 2011 AS DOCUMENT NO. 6804481

NO.	BY	DATE	REVISION
2	MMH	6/6/2023	REVISION TO PARCEL 1MF0144 T.E.
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDOT

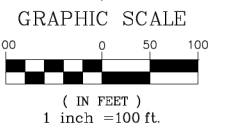
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0136	0.307	0.0004 (17.39%)	0.3066	N/A	13-36-404-025	
1MF0144 T.E.	30.070	N/A	N/A	0.006(243.8%)	13-36-402-055	
1MF0155	12.333	0.352	11.981	N/A	13-36-402-036	
1MF0155 T.E.	N/A	N/A	N/A	0.792	13-36-402-040	

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

PLAT OF HIGHWAYS STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS
 PROJECT JOB NO. R-91-001-15
 STATION 202+00 TO STATION 233+13
 SCALE: 1"=30' SHEET 8 OF 12

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

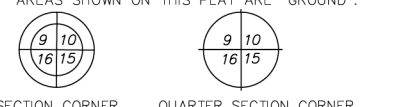


ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND COORDINATES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99994849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".



- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- RECORD DATA
- COMPUTED DIMENSION
- EXISTING BUILDING

Proposed Route 14 Curve C3
 P.I. = Sta. 222+20.14
 Δ = 91°05'11"
 R = 512.00'
 T = 521.80'
 L = 813.96'
 Ch = 730.91'
 E = 219.04'
 P.C. = Sta. 216+98.33
 F.T. = Sta. 225+12.29

- IRON PIPE OR ROD FOUND
- SET 5/8" X 30" REBAR
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
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DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
 MY LICENSE EXPIRES NOVEMBER 30, 2022

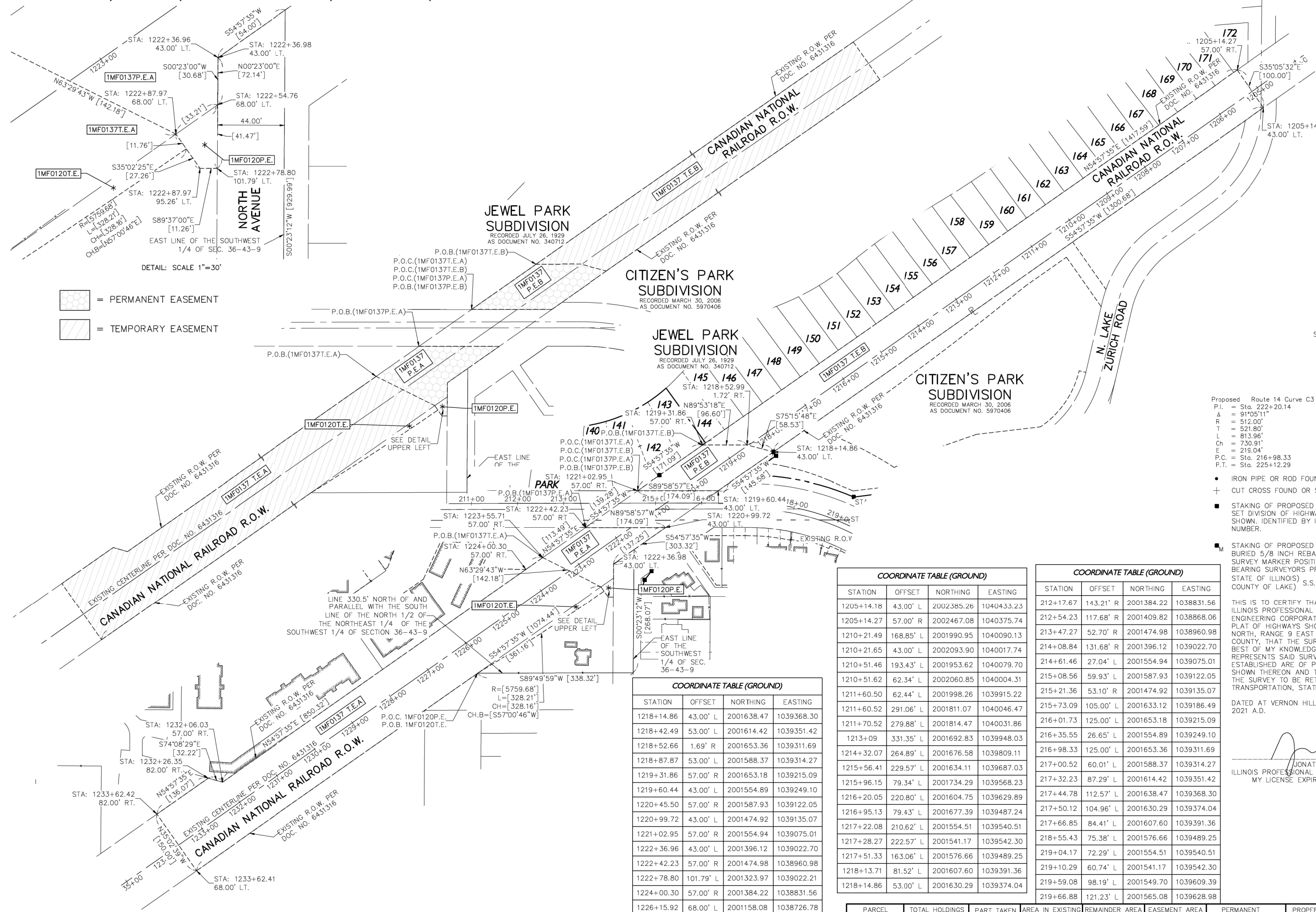


GHA GEWALT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive ■ Vernon Hills, IL. 60061
 TEL 847.478.9700 ■ FAX 847.478.9701

PLAT OF HIGHWAYS STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS LAKE COUNTY
 PROJECT JOB NO. R-91-001-15
 STATION 202+00 TO STATION 233+13
 SCALE: 1"=100' SHEET 9 OF 12

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



COORDINATE TABLE (GROUND)

STATION	OFFSET	NORTHING	EASTING
1218+14.86	43.00' L	2001638.47	1039368.30
1218+42.49	53.00' L	2001614.42	1039351.42
1218+52.66	1.69' R	2001653.36	1039311.69
1218+87.87	53.00' L	2001588.37	1039314.27
1219+31.86	57.00' R	2001653.18	1039215.09
1219+60.44	43.00' L	2001554.89	1039249.10
1220+45.50	57.00' R	2001587.93	1039122.05
1220+99.72	43.00' L	2001474.92	1039135.07
1221+02.95	57.00' R	2001554.94	1039075.01
1222+36.96	43.00' L	2001396.12	1039022.70
1222+42.23	57.00' R	2001474.98	1038960.98
1222+78.80	101.79' L	2001323.97	1039022.21
1224+00.30	57.00' R	2001384.22	1038831.56
1226+15.92	68.00' L	2001158.08	1038726.78
1232+06.03	57.00' R	2000921.61	1038171.87
1232+26.35	82.00' R	2000930.41	1038140.88
1233+62.41	68.00' L	2000729.48	1038115.60
1233+62.42	82.00' R	2000852.29	1038029.47

COORDINATE TABLE (GROUND)

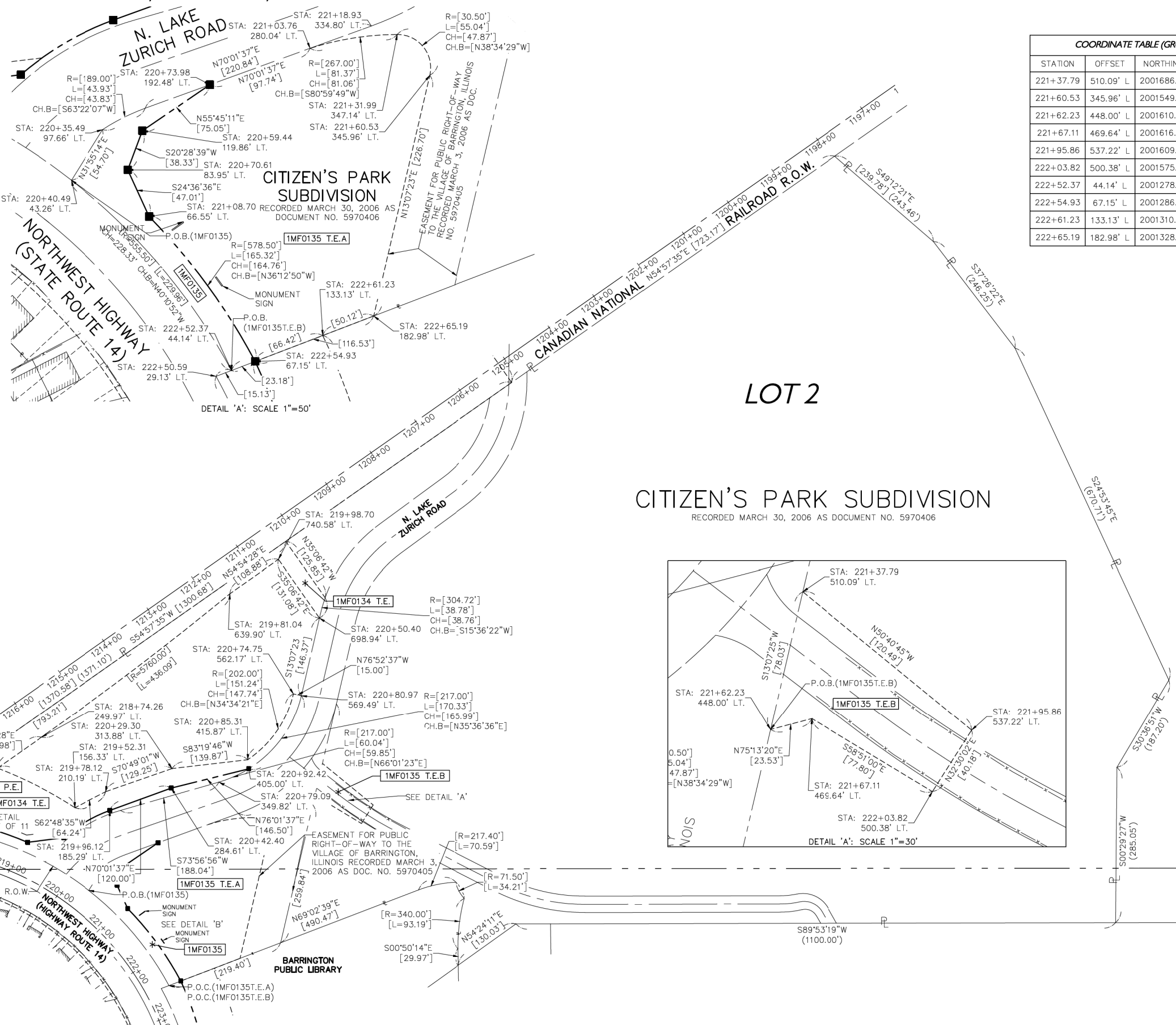
STATION	OFFSET	NORTHING	EASTING
1205+14.18	43.00' L	2002385.26	1040433.23
1205+14.27	57.00' R	2002467.08	1040375.74
1210+21.49	168.85' L	2001990.95	1040090.13
1210+21.65	43.00' L	2002093.90	1040017.74
1210+51.46	193.43' L	2001953.62	1040079.70
1210+51.62	62.34' L	2002060.85	1040004.31
1211+60.50	62.44' L	2001998.26	1039915.22
1211+60.52	291.06' L	2001811.07	1040046.47
1211+70.52	279.88' L	2001814.47	1040031.86
1213+09	331.35' L	2001692.83	1039948.03
1214+32.07	264.89' L	2001676.58	1039809.11
1215+56.41	229.57' L	2001634.11	1039687.03
1215+96.15	79.34' L	2001734.29	1039568.23
1216+20.05	220.80' L	2001604.75	1039629.89
1216+95.13	79.43' L	2001677.39	1039487.24
1217+22.08	210.62' L	2001554.51	1039540.51
1217+28.27	222.57' L	2001541.17	1039542.30
1217+51.33	163.06' L	2001576.66	1039489.25
1218+13.71	81.52' L	2001607.60	1039391.36
1218+14.86	53.00' L	2001630.29	1039374.04

COORDINATE TABLE (GROUND)

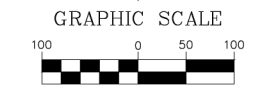
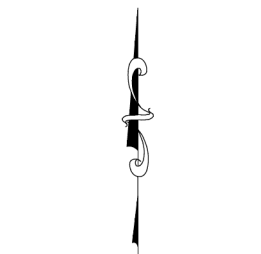
STATION	OFFSET	NORTHING	EASTING
212+17.67	143.21' R	2001384.22	1038831.56
212+54.23	117.68' R	2001409.82	1038868.06
213+47.27	52.70' R	2001474.98	1038960.98
214+08.84	131.68' R	2001396.12	1039022.70
214+61.46	27.04' L	2001554.94	1039075.01
215+08.56	59.93' L	2001587.93	1039122.05
215+21.36	53.10' R	2001474.92	1039135.07
215+73.09	105.00' L	2001633.12	1039186.49
216+01.73	125.00' L	2001653.18	1039215.09
216+35.55	26.65' L	2001554.89	1039249.10
216+98.33	125.00' L	2001653.36	1039311.69
217+00.52	60.01' L	2001588.37	1039314.27
217+32.23	87.29' L	2001614.42	1039351.42
217+44.78	112.57' L	2001638.47	1039368.30
217+50.12	104.96' L	2001630.29	1039374.04
217+66.85	84.41' L	2001607.60	1039391.36
218+55.43	75.38' L	2001576.66	1039489.25
219+04.17	72.29' L	2001554.51	1039540.51
219+10.29	60.74' L	2001541.17	1039542.30
219+59.08	98.19' L	2001549.70	1039609.39
219+66.88	121.23' L	2001565.08	1039628.98

NO.	BY	DATE	REVISION
1	MMH	5/16/2023	ADD VARIOUS IMPROVEMENTS PER IDOT
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDOT

COORDINATE TABLE (GROUND) with columns for STATION, OFFSET, NORTHING, EASTING and rows of survey data.



COORDINATE TABLE (GROUND) with columns for STATION, OFFSET, NORTHING, EASTING and rows of survey data.



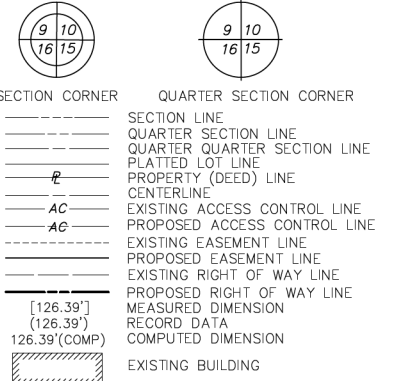
(IN FEET) 1 inch =100 ft.

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BEARINGS AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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AREAS SHOWN ON THIS PLAT ARE "GROUND".



- IRON PIPE OR ROD FOUND, SET 5/8" X 30" REBAR, "MAG" NAIL SET, CUT CROSS FOUND OR SET, FOUND "MAG" NAIL

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

- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER. STATE OF ILLINOIS) S.S. COUNTY OF LAKE)

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DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341 MY LICENSE EXPIRES NOVEMBER 30, 2022

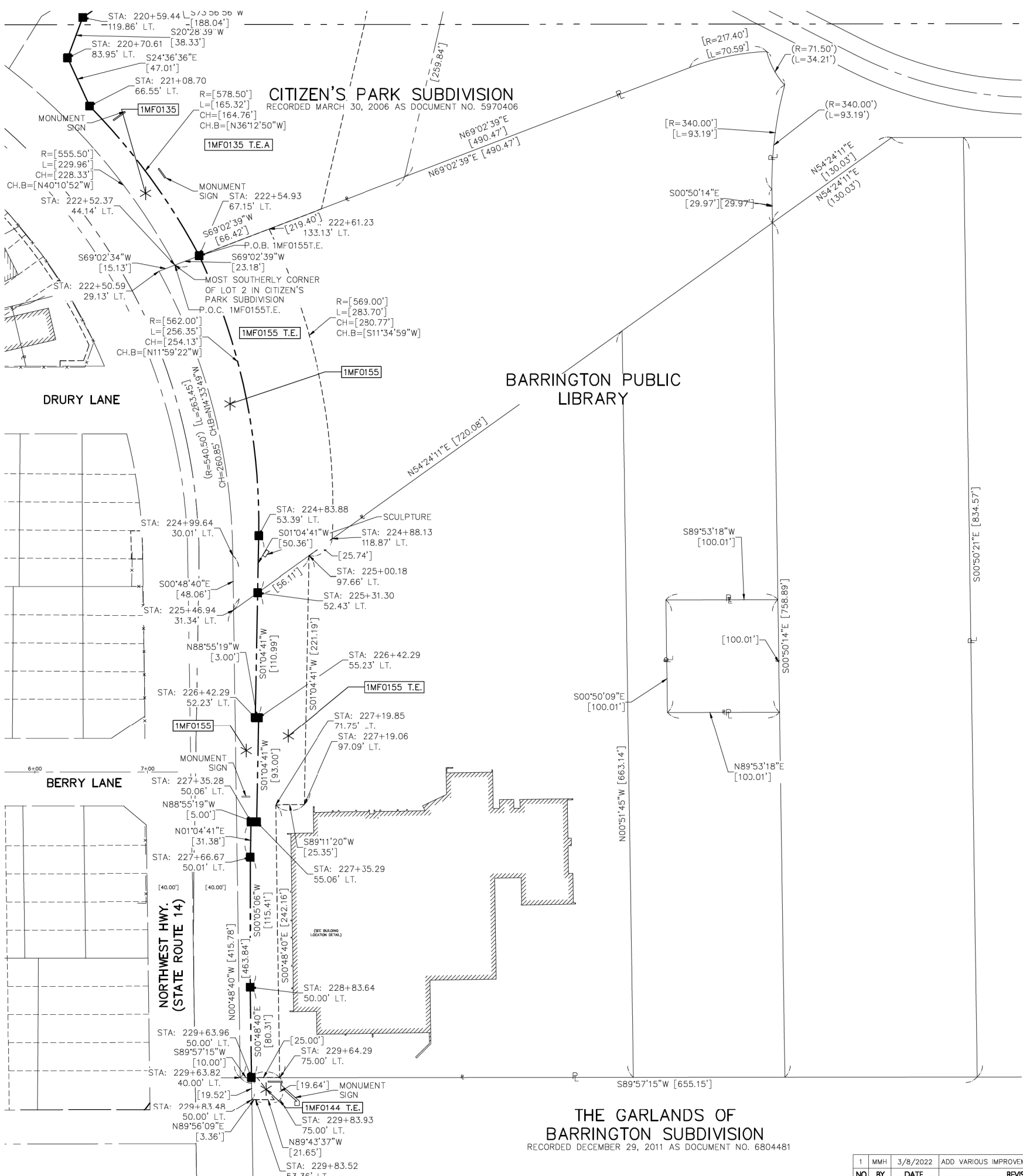


CONTROL COORDINATE TABLE with columns for STATE PLANE GRID and GROUND, including PT.#, DESCRIPTION, NORTHING, EASTING, and ELEV.

Table with columns for NO., BY, DATE, and REVISION.

Table with columns for PARCEL NUMBER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, PERMANENT INDEX NUMBER, and PROPERTY ACQUIRED BY.

Advertisement for GHA GEWALT HAMILTON ASSOCIATES, INC. including address, contact info, and project details for 'PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION NORTHWEST HIGHWAY (ROUTE 14)'.



CONTROL COORDINATE TABLE							
PT.#	DESCRIPTION	STATE PLANE GRID			GROUND		
		NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
6	SET IRON ROD	2002602.42'	1040622.14'	818.76'	2002602.48'	1040622.21'	818.76'
9	SET IRON ROD	2001542.64'	1039463.33'	816.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.86'	824.65'

COORDINATE TABLE (GROUND)			
STATION	OFFSET	NORTHING	EASTING
220+59.44	119.86' L	2001498.28	1039721.61
220+70.61	83.95' L	2001462.37	1039708.20
221+08.70	66.55' L	2001419.63	1039727.77
222+50.59	29.13' L	2001273.00	1039789.34
222+52.37	44.14' L	2001278.41	1039803.46
222+54.93	67.15' L	2001286.70	1039825.11
222+61.23	133.13' L	2001310.45	1039887.14
222+65.19	182.98' L	2001328.38	1039933.94
224+88.13	118.87' L	2001035.40	1039943.51
224+99.64	30.01' L	2001020.53	1039854.93
225+00.18	97.66' L	2001020.41	1039922.58
225+31.30	52.43' L	2000987.75	1039876.96
225+46.94	31.34' L	2000972.47	1039855.61
226+42.29	52.23' L	2000876.73	1039877.87
226+42.29	52.23' L	2000876.79	1039874.87
227+19.06	97.09' L	2000799.26	1039918.42
227+19.85	71.75' L	2000798.90	1039893.07
227+35.28	50.06' L	2000783.84	1039871.12
227+35.29	55.06' L	2000783.75	1039876.12
227+66.67	50.01' L	2000752.46	1039870.53
228+83.64	50.00' L	2000637.05	1039870.36
229+63.96	50.00' L	2000556.74	1039871.50
229+64.29	75.00' L	2000556.76	1039896.50
229+83.48	50.00' L	2000537.22	1039871.77
229+83.52	53.36' L	2000537.23	1039875.13
229+83.93	75.00' L	2000537.12	1039896.78

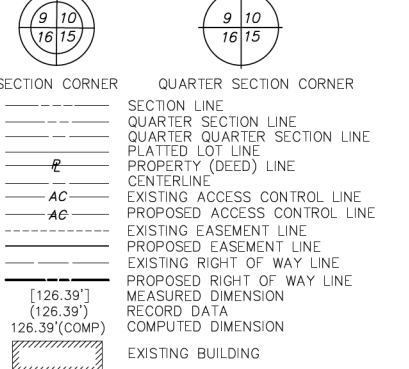


(IN FEET)
1 inch = 50 ft.

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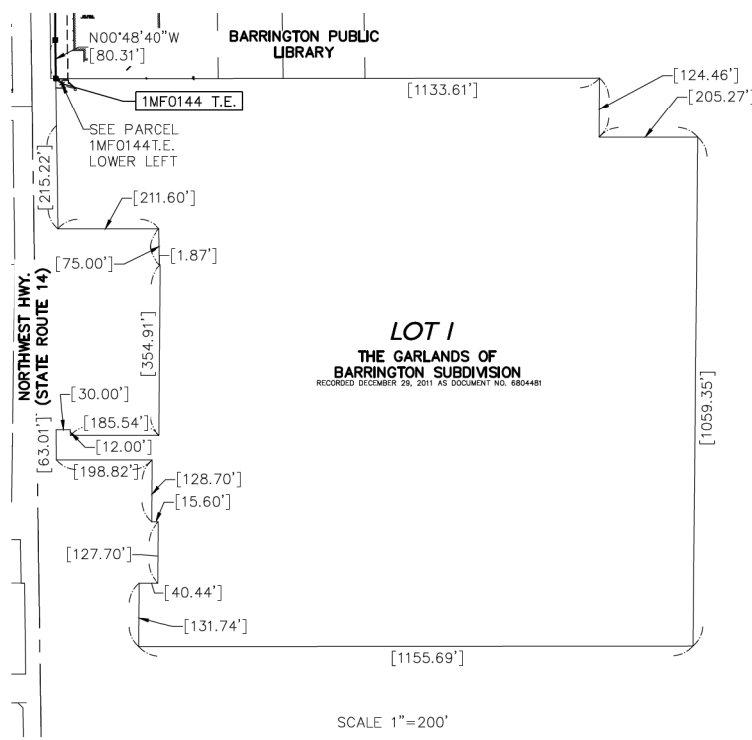


- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
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DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
MY LICENSE EXPIRES NOVEMBER 30, 2022



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0144 T.E.	30.070	N/A	N/A	0.006(243.8 ⁹)	13-36-402-040	
1MF0155 T.E.	12.562	0.352	12.210	0.792	13-36-402-055	

THE GARLANDS OF BARRINGTON SUBDIVISION
RECORDED DECEMBER 29, 2011 AS DOCUMENT NO. 6804481

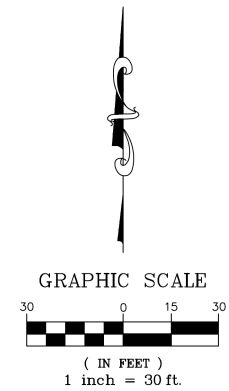
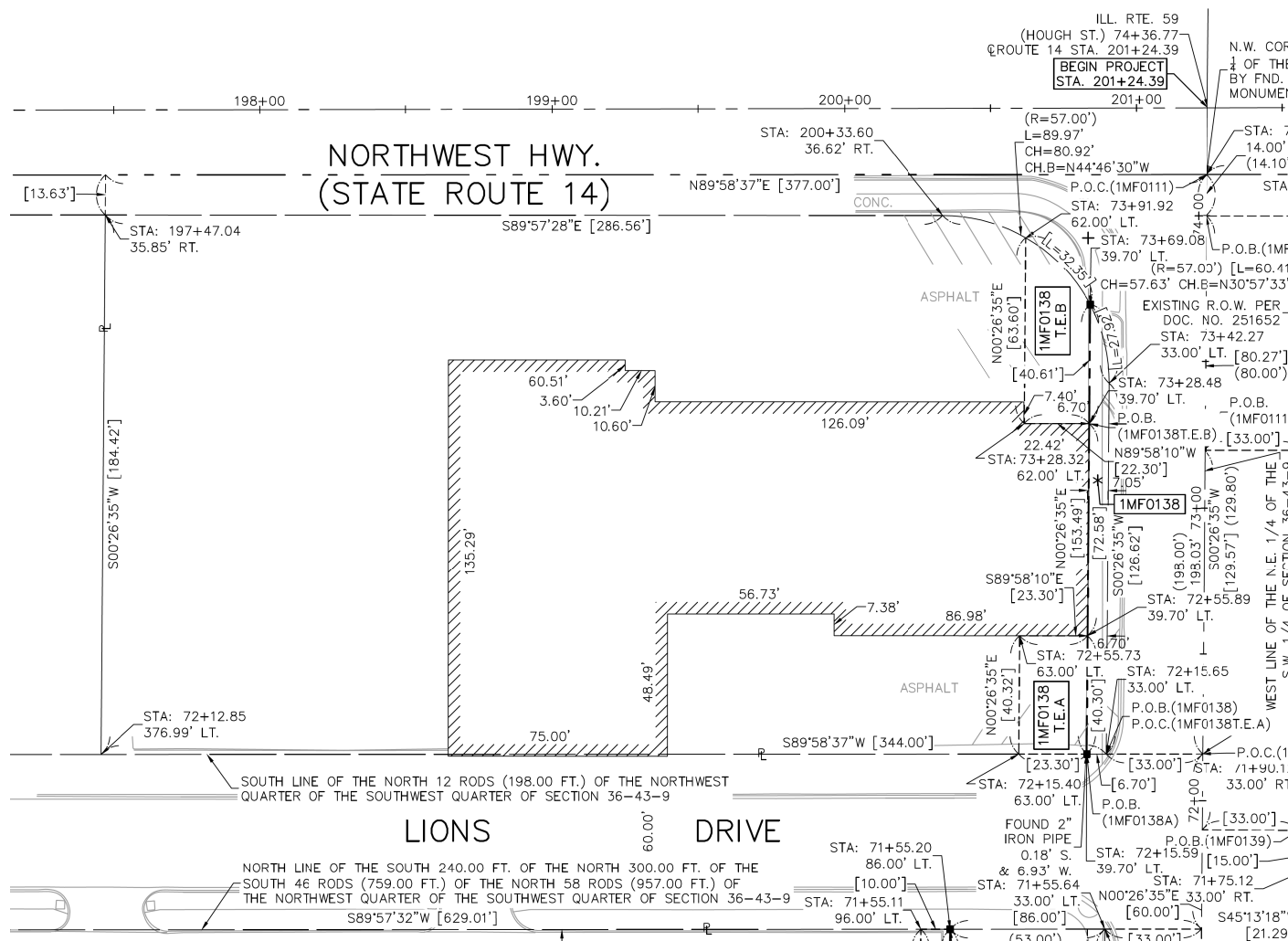
NO	BY	DATE	REVISION
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDOT

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

PLAT OF HIGHWAYS STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTHWEST HIGHWAY (ROUTE 14)
SECTION 11-00067-00-GS LAKE COUNTY
PROJECT JOB NO. R-91-001-15
STATION 202+00 TO STATION 233+13
SCALE: 1"=50' SHEET 11 OF 12
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

CONTROL COORDINATE TABLE							
PT.#	DESCRIPTION	STATE PLANE GRID			GROUND		
		NORTHING	EASTING	ELEV.	NORTHING	EASTING	ELEV.
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9	SET IRON ROD	2001542.64'	1039463.33'	815.67'	2001542.64'	1039463.34'	816.67'
10	SET MAG NAIL	2001101.77'	1039974.32'	819.88'	2001101.74'	1039974.35'	819.88'
19	SET IRON ROD	2000518.30'	1037767.05'	814.12'	2000518.24'	1037766.95'	814.12'
44	SET CROSS	2002981.32'	1037802.16'	828.43'	2002981.40'	1037802.07'	828.43'
45	SET CROSS IN WALK	1999828.56'	1039869.84'	824.65'	1999828.47'	1039869.66'	824.65'

COORDINATE TABLE (GROUND)			
STATION	OFFSET	NORTHING	EASTING
72+12.85	376.99' L	2001291.30	1037359.57
72+15.40	63.00' L	2001291.42	1037673.57
72+15.59	39.70' L	2001291.43	1037696.87
72+15.65	33.00' L	2001291.44	1037703.57
72+55.73	63.00' L	2001331.75	1037673.88
72+55.89	39.70' L	2001331.73	1037697.18
73+28.32	62.00' L	2001404.33	1037675.44
73+28.48	39.70' L	2001404.31	1037697.74
73+42.27	33.00' L	2001418.06	1037704.55
73+69.08	39.70' L	2001444.92	1037698.05
73+91.92	62.00' L	2001467.93	1037675.93
73+99.27	90.43' L	2001475.50	1037647.56

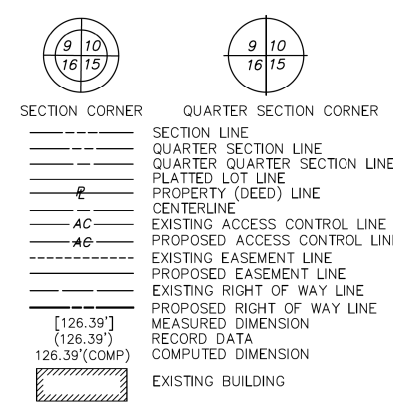


ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GRID DISTANCES, MULTIPLY THE DISTANCES SHOWN BY THE COMBINED SCALE FACTOR OF 0.99994849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".



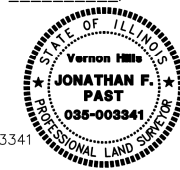
- IRON PIPE OR ROD FOUND ◦ SET 5/8" X 30" REBAR ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET • FOUND "MAG" NAIL
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

STATE OF ILLINOIS) S.S.
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, GEWALT HAMILTON ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING/PROFESSIONAL ENGINEERING CORPORATION, NUMBER 184-000922, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT VERNON HILLS, ILLINOIS THIS 9TH DAY OF AUGUST 2021 A.D.

JONATHAN F. PAST
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003341
NY LICENSE EXPIRES NOVEMBER 30, 2022



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

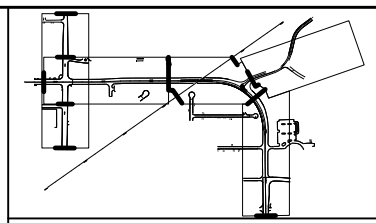
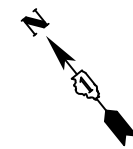
PLAT OF HIGHWAYS STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NORTHWEST HIGHWAY (ROUTE 14)

SECTION 11-00067-00-GS LAKE COUNTY
PROJECT JOB NO. R-91-001-15
STATION 202+00 TO STATION 233+13
SCALE: 1"=30' SHEET 12 OF 12

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

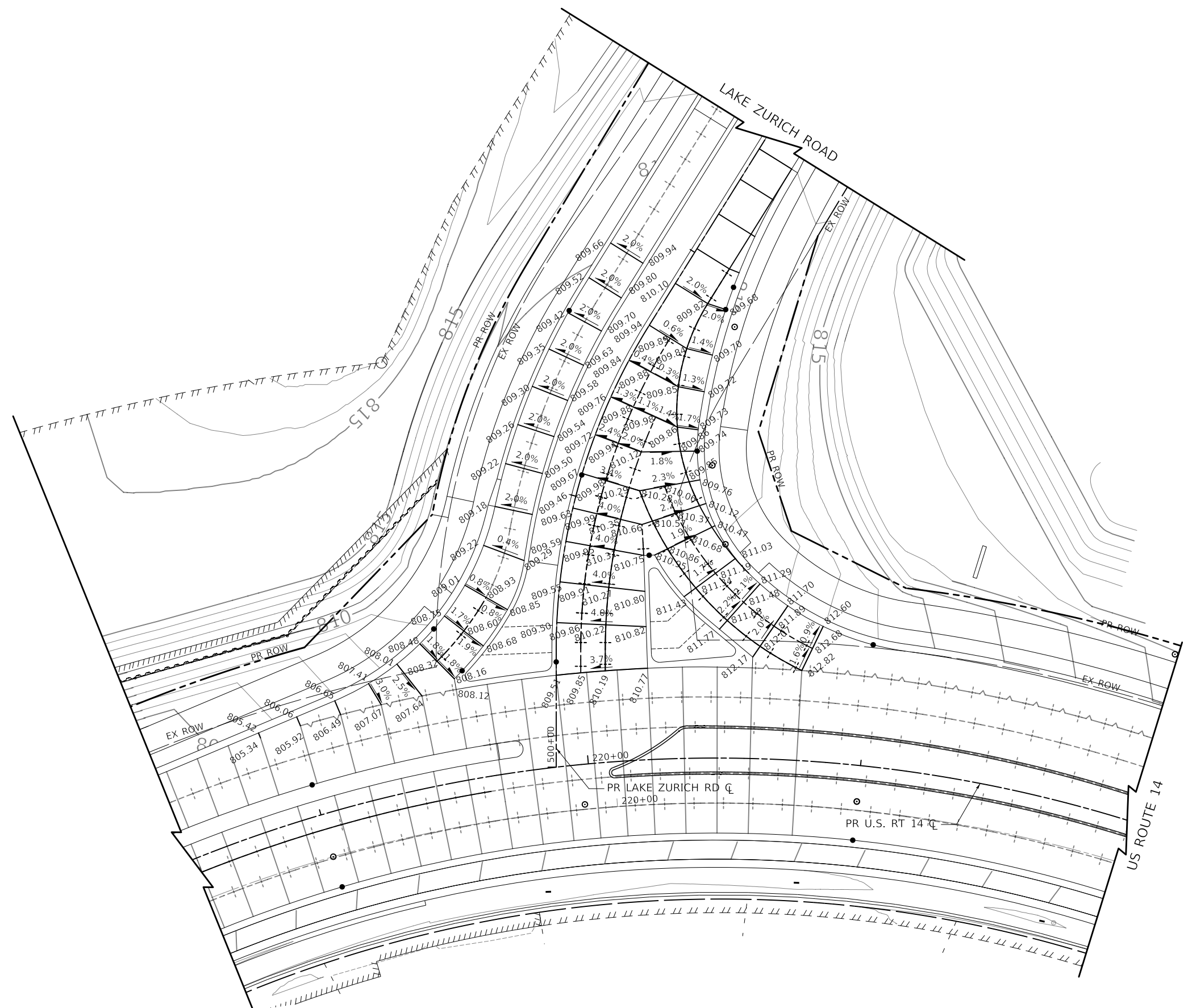
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1MF0138 1MF0138T.E.A 1MF0138T.E.B	1.439	0.022	1.417	N/A 0.022 0.028	13-36-115-004 13-36-202-001 13-36-202-002	

NO.	BY	DATE	REVISION
1	MMH	3/8/2022	ADD VARIOUS IMPROVEMENTS PER IDO*



PAVEMENT JOINT LEGEND

+--+ PAVEMENT JOINT - SAWED
 -|-|- PAVEMENT JOINT - KEYED
 ——— PAVEMENT JOINT
 (XX.XXX) EXISTING SPOT ELEVATION
 XX.XXX PROPOSED SPOT ELEVATION



MODEL: \\MODEL\NAME
 FILE: \\NAME - 03161872-41-dtd-intersection-01.dgn

Two Pierce Place, Suite 1400
 Moline, Illinois 61413
 Tel: 630.773.3900
 Fax: 630.773.3975
 www.civiltech.com

USER NAME = mc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 8/27/2024

DESIGNED - NEM
 DRAWN - MC
 CHECKED - DNM
 DATE - 08/28/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

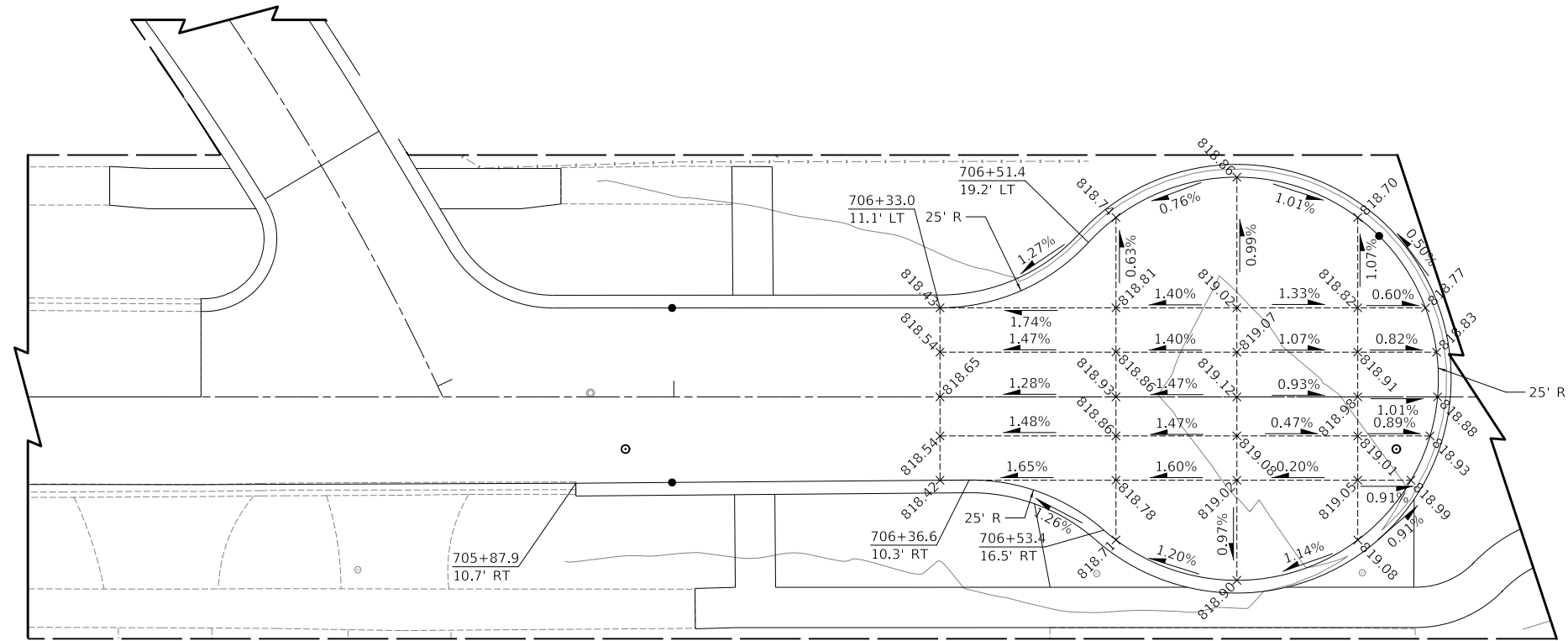
**US ROUTE 14 AND LAKE ZURICH ROAD
 INTERSECTION GRADING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	225
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

INTERSECTION GRADING LEGEND

- GRADING LINE
- X.XX% SLOPE
- +XXX.XX PROPOSED SPOT ELEVATION



MODEL: \\MODEL\NAME
 FILE: \\NAME - 0310187-41-druryintersection-02.dwg


 Two Pierce Place, Suite 1400
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 Fax: 630.773.3975
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USER NAME = mc	DESIGNED - NEM	REVISED -
DRAWN - MC	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 8/27/2024	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

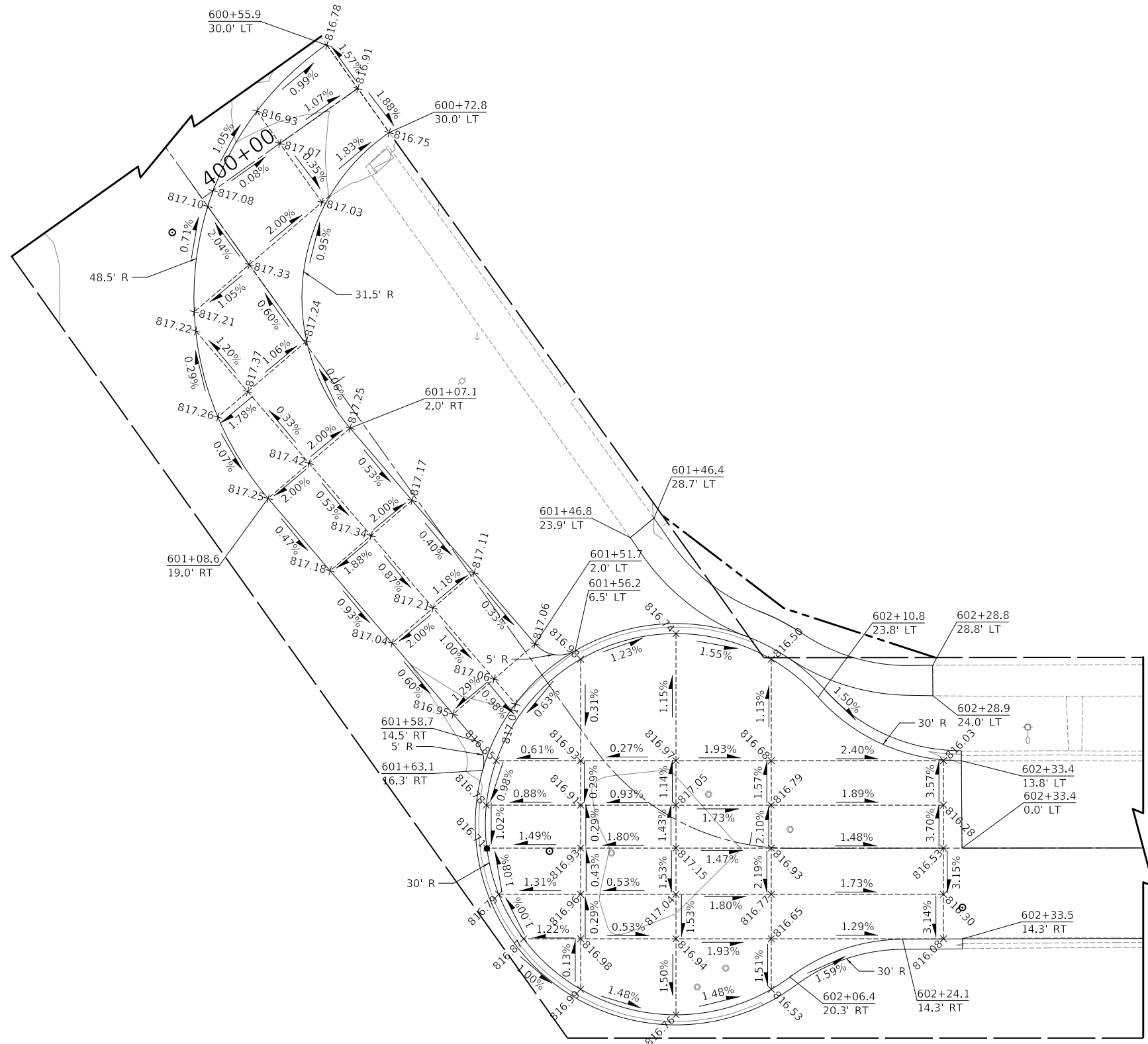
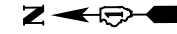
DRURY LANE CUL-DE-SAC
INTERSECTION GRADING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	226
CONTRACT NO. 61J87				
		ILLINOIS	FED. AID PROJECT	

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

INTERSECTION GRADING LEGEND

- GRADING LINE
- X.XX% SLOPE
- +XXX.XX PROPOSED SPOT ELEVATION



MODEL: \\MODEL\NAME
 FILE: NAME_00101017-dm-03.dwg

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 Moline, Illinois 61413
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	DRAWN - MC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 8/27/2024	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

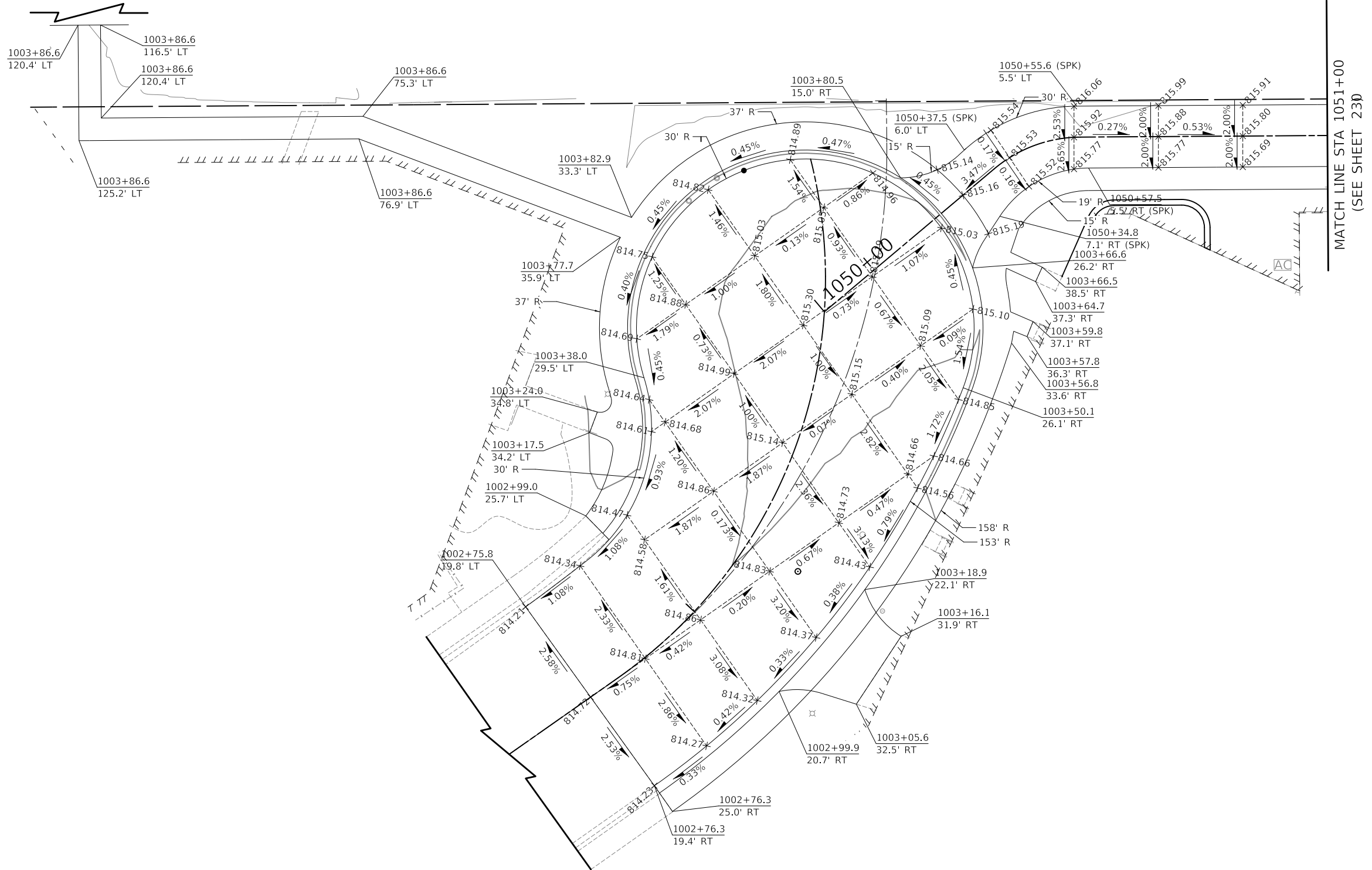
NORTH AVENUE CUL-DE-SAC
INTERSECTION GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	227
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

INTERSECTION GRADING LEGEND

- GRADING LINE
- X.XX% SLOPE
- +XXX.XX PROPOSED SPOT ELEVATION



EARTHWORK SCHEDULE OF QUANTITIES				EARTHWORK VOLUMES (CU YD)					EARTHWORK BALANCE
LOCATION	TOPSOIL STRIPPING	CUT (+)	SUITABLE FILL	ADJUST FOR SHRINKAGE (15%)	UNSUITABLE MATERIAL	NON-SPECIAL WASTE	FILL	TOPSOIL PLACEMENT	SHORTAGE (-) I = D-G
	A	B	C = B-F	D = 0.85 * C	E	F	G	H	
Shorely Entrance & Lot	342.59	638.02	638.02	542.32	0.00	0.00	1,258.17	414.75	-715.86

MODEL: \\MODEL\NAME
 FILE: \\NAME - 03101872-411-01-intersectio-04.dwg

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 Moline, Illinois 61413
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 Fax: 630.773.3975
 www.civiltechinc.com

USER NAME = mc	DESIGNED - NEM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

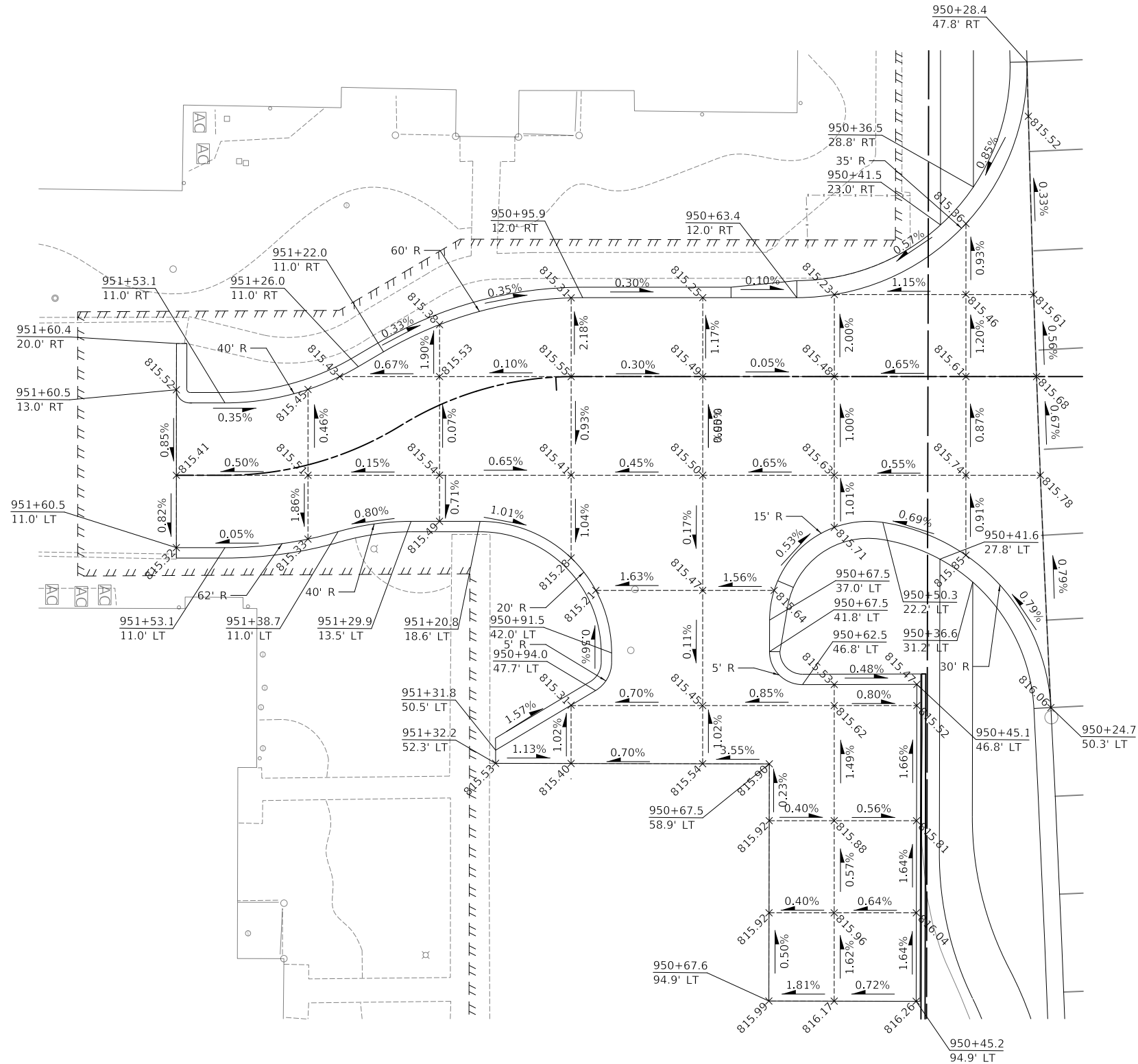
SHORELY DRIVE CUL-DE-SAC
INTERSECTION GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	228
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

INTERSECTION GRADING LEGEND

- GRADING LINE
- X.XX% SLOPE
- +XXX.XX PROPOSED SPOT ELEVATION



MODEL: \\MODEL\NAME: FILE: \\NAME: ...10187-4\11-intersection-07.dgn

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Mascoutah, Illinois 60143
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Fax: 630.773.3975
www.civiltechinc.com

USER NAME = mc	DESIGNED - NEM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

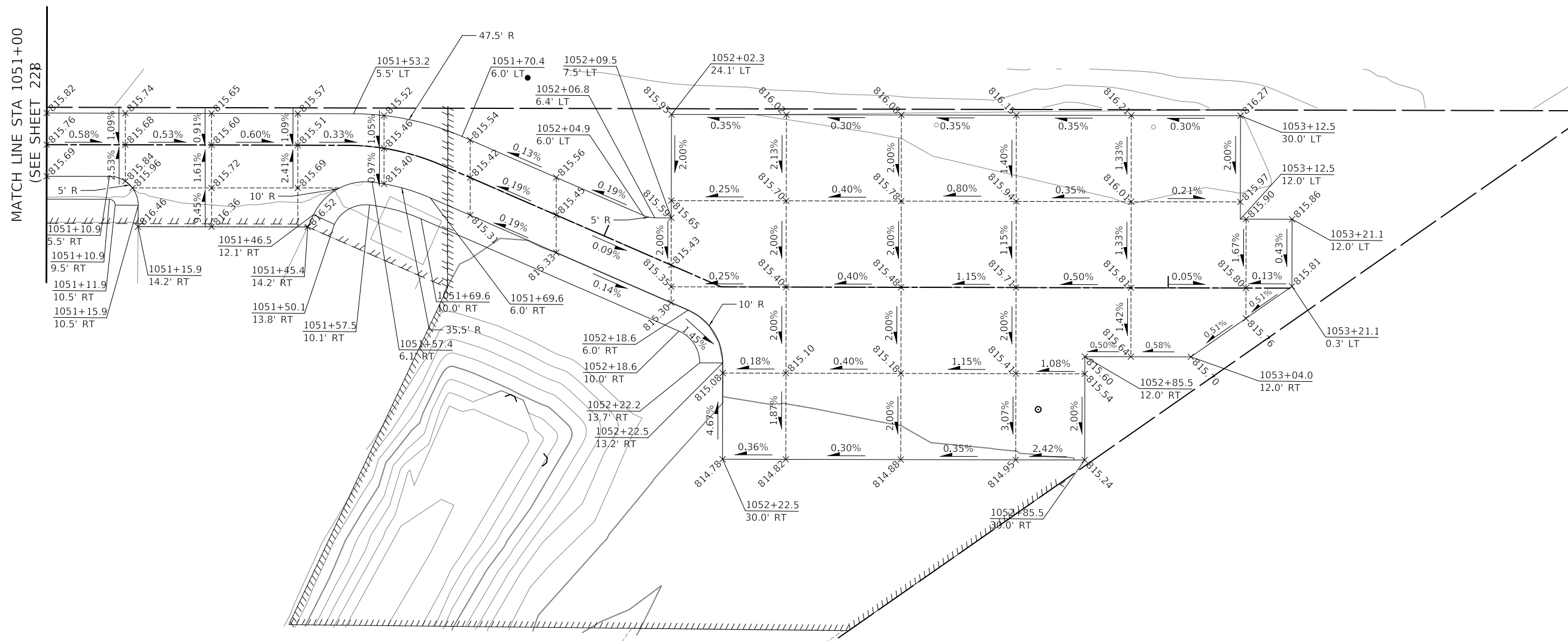
**SHORELY DRIVE ENTRANCE
INTERSECTION GRADING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	229
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

INTERSECTION GRADING LEGEND

- GRADING LINE
- X.XX% SLOPE
- +XXX.XX PROPOSED SPOT ELEVATION



LOCATION	EARTHWORK VOLUMES (CU YD)								EARTHWORK BALANCE SHORTAGE (-) I = D-G
	TOPSOIL STRIPPING	CUT (+)	SUITABLE FILL	ADJUST FOR SHRINKAGE (15%)	UNSUITABLE MATERIAL	NON-SPECIAL WASTE	FILL	TOPSOIL PLACEMENT	
	A	B	C = B-F	D = 0.85 * C	E	F	G	H	
Shorely Entrance & Lot SEE SHEET 671	342.59	638.02	638.02	542.32	0.00	0.00	1,258.17	414.75	-715.86

MODEL: \\MODELNAME
FILE: \\NAME - 0310187-2-01-intersection-08.dgn

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Mascoutah, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
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USER NAME = mc	DESIGNED - NEM	REVISED -
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PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

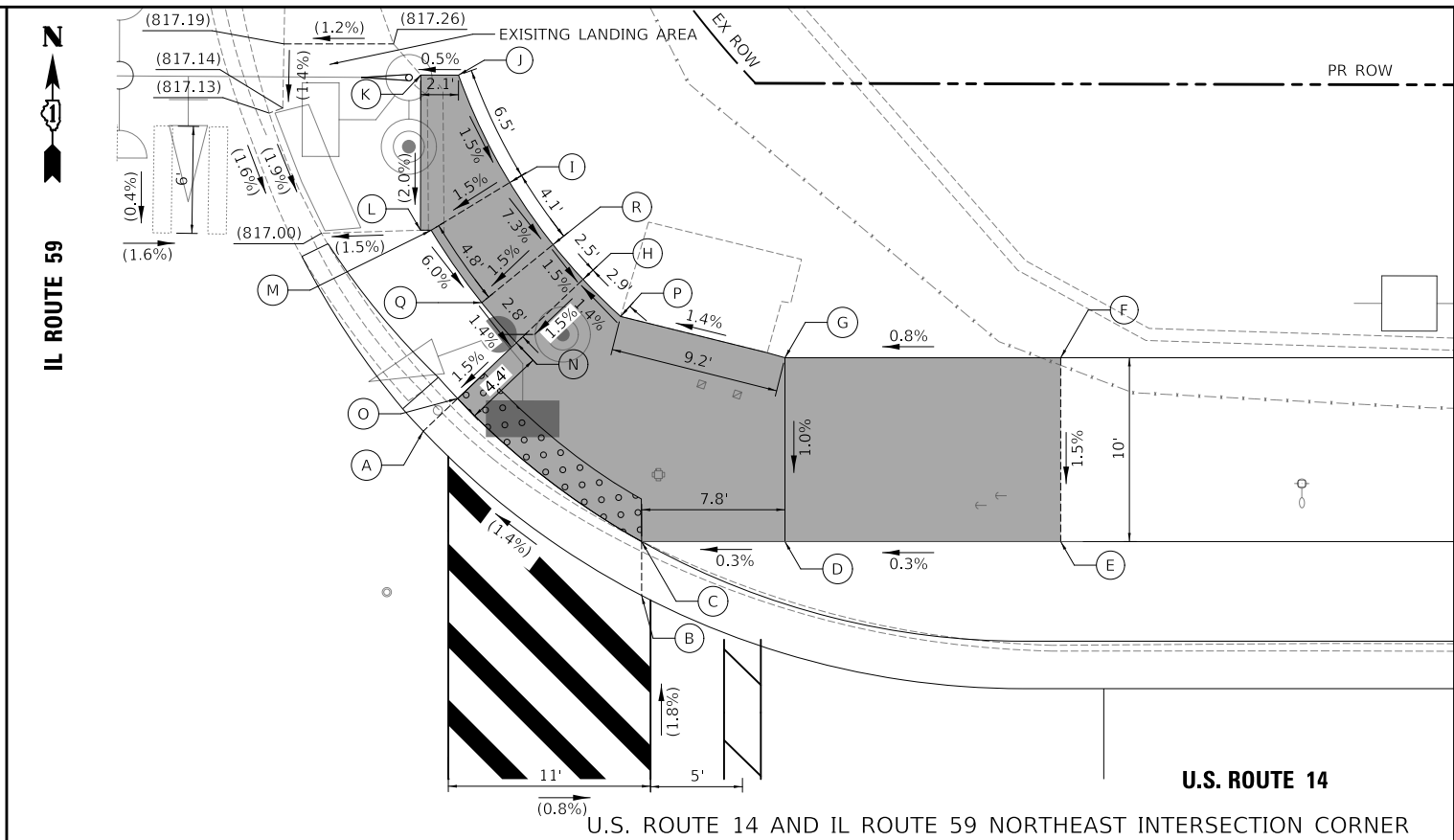
PARKING LOT INTERSECTION GRADING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	230
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

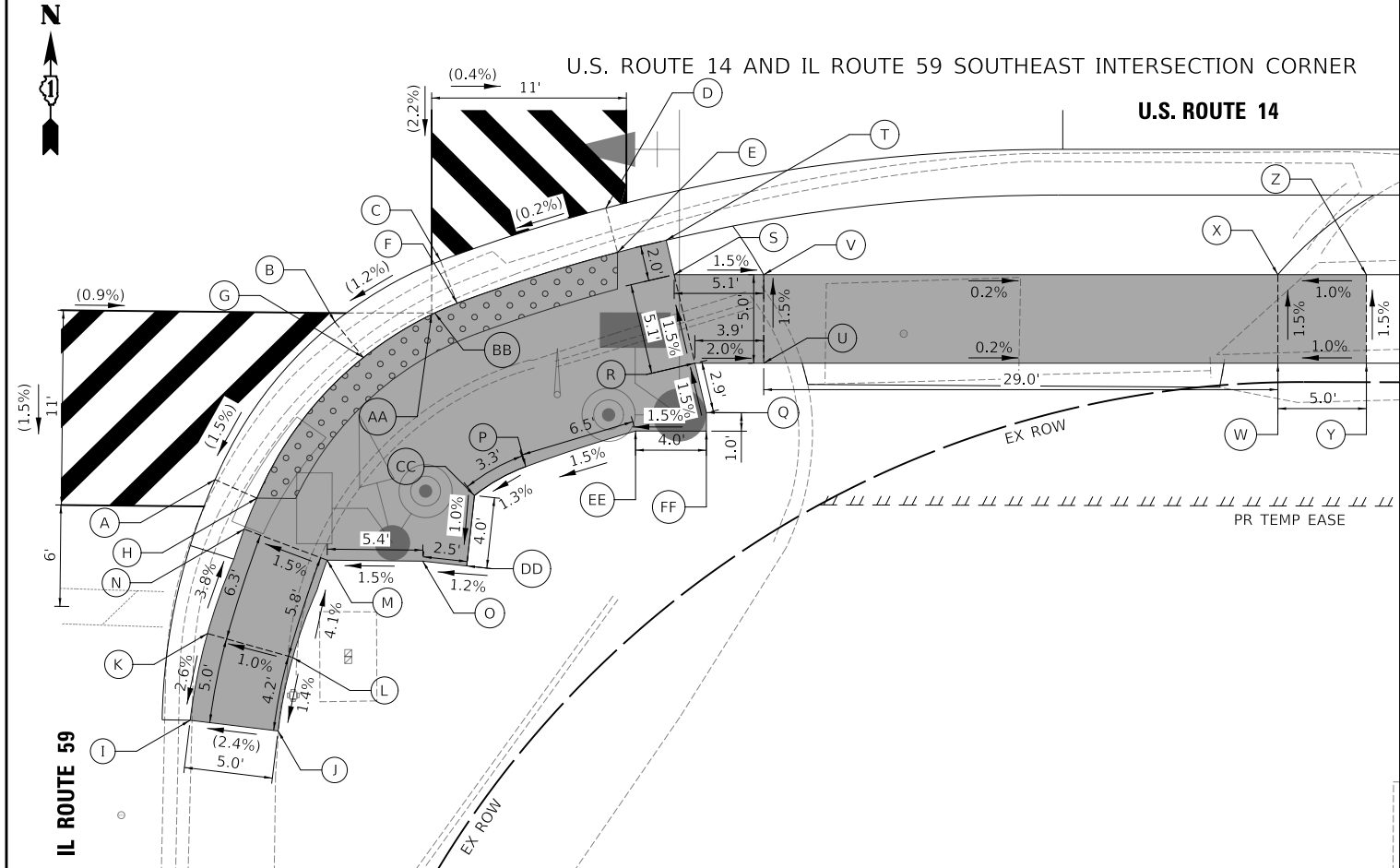
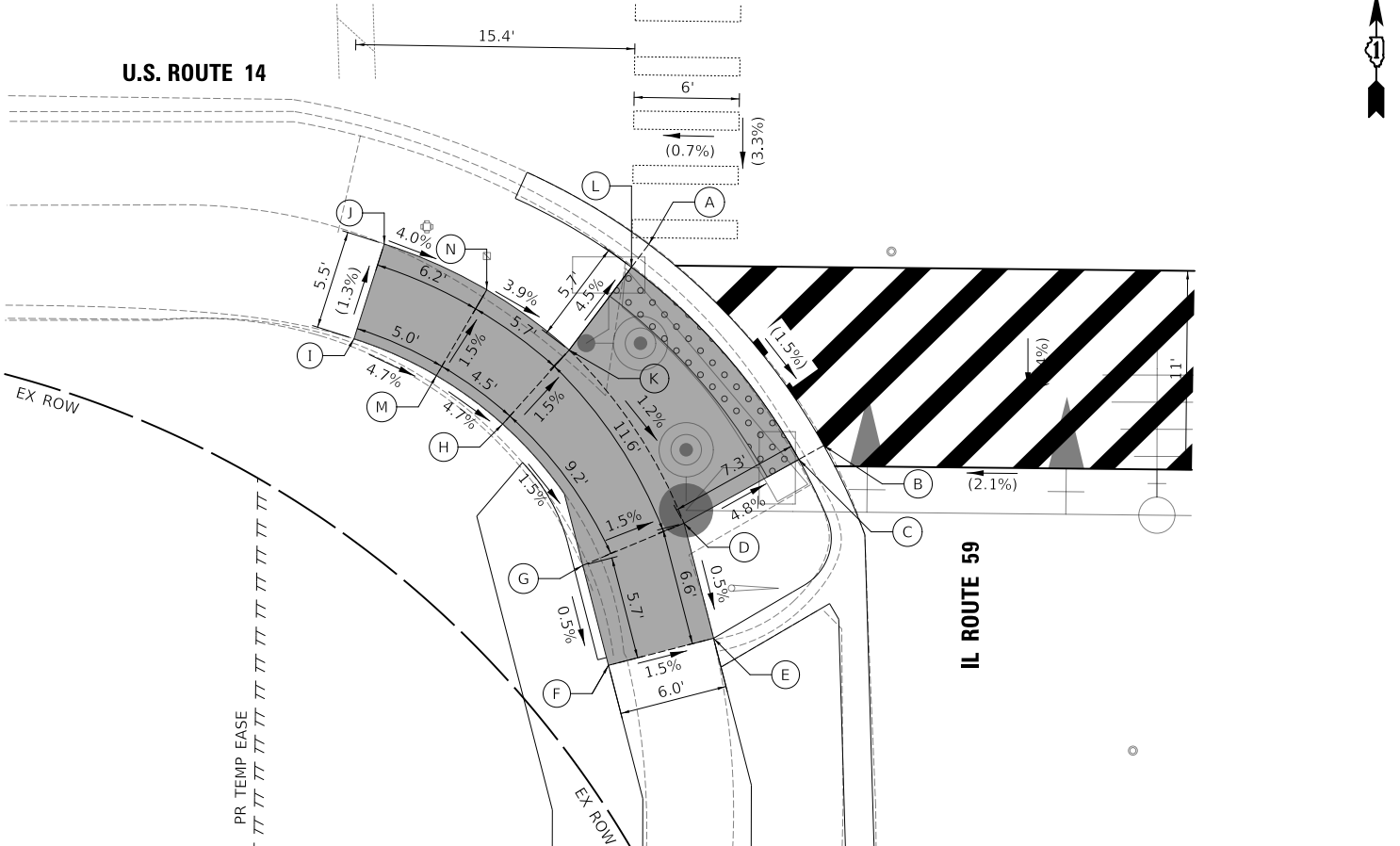
U.S RT 14 AND IL RT 59 NORTHEAST			
STATION	OFFSET	ELEVATION	
A	201+63.0	42.0' L	(816.74)
B	201+74.9	33.1' L	(816.95)
C	201+74.9	36.0' L	816.89
D	201+77.7	36.0' L	816.91
E	201+97.7	36.0' L	816.96
F	201+97.7	46.0' L	817.11
G	201+77.7	46.0' L	816.99
H	201+72.1	50.7' L	816.82
I	201+68.2	55.6' L	817.16
J	201+65.3	61.4' L	817.26
K	201+62.8	61.4' L	(817.25)
L	201+62.8	52.9' L	(817.08)
M	201+64.0	52.9' L	817.08
N	201+68.5	47.2' L	816.75
O	201+64.9	43.8' L	816.68
P	201+73.7	48.2' L	816.86
Q	201+66.2	49.0' L	816.79
R	201+70.0	52.2' L	816.86

U.S RT 14 AND IL RT 59 SOUTHWEST			
STATION	OFFSET	ELEVATION	
A	200+83.6	31.3' R	(816.60)
B	200+93.3	42.4' R	(816.37)
C	200+91.9	43.2' R	816.37
D	200+85.5	46.7' R	816.72
E	200+87.2	53.1' R	816.69
F	200+81.4	54.6' R	816.78
G	200+79.9	49.1' R	816.81
H	200+75.5	41.3' R	816.95
I	200+67.3	36.5' R	(817.40)
J	200+69.0	31.3' R	(817.33)
K	200+79.2	37.2' R	816.86
L	200+82.6	32.6' R	816.60
M	200+71.8	38.6' R	817.16
N	200+74.6	33.8' R	817.08

U.S RT 14 AND IL RT 59 SOUTHEAST			
STATION	OFFSET	ELEVATION	
A	201+52.1	42.7' R	(816.55)
B	201+58.9	33.7' R	(816.72)
C	201+64.8	30.3' R	(816.80)
D	201+74.2	27.3' R	(816.82)
E	201+74.8	29.8' R	816.76
F	201+65.8	32.7' R	816.74
G	201+60.5	35.8' R	816.66
H	201+54.5	43.7' R	816.49
I	201+50.7	56.2' R	(816.58)
J	201+55.7	56.8' R	(816.70)
K	201+51.7	51.3' R	816.71
L	201+56.5	52.7' R	816.76
M	201+58.4	47.2' R	816.55
N	201+53.8	45.5' R	816.47
O	201+63.8	47.3' R	816.63
P	201+69.7	41.9' R	816.74
Q	201+79.9	38.9' R	816.88
R	201+79.2	36.1' R	816.84
S	201+78.0	31.1' R	816.76
T	201+77.6	29.1' R	816.73
U	201+83.1	36.1' R	816.76
V	201+83.1	31.1' R	816.68
W	202+12.1	36.1' R	816.70
X	202+12.1	31.1' R	816.62
Y	202+17.1	36.1' R	816.75
Z	202+17.1	31.1' R	816.67
AA	201+63.5	33.7' R	816.74
BB	201+64.8	33.1' R	816.76
CC	201+66.8	43.6' R	816.70
DD	201+66.3	47.5' R	816.66
EE	201+75.9	39.9' R	816.84
FF	201+79.9	39.9' R	816.90



U.S. ROUTE 14 AND IL ROUTE 59 SOUTHWEST INTERSECTION CORNER



MODEL: \\MODELS\NAME: FILE: \\NAME: 0310187-2-01-01-01-01.dwg

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900
 Fax: 630.773.3975
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USER NAME = mc	DESIGNED - NEM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 14 AND IL ROUTE 59
SIDEWALK GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	231
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



US RT 14 AND SHORELY DR WEST

	STATION	OFFSET	ELEVATION
A	205+61.2	35.2' R	815.37
B	205+65.8	40.5' R	815.33
C	205+62.4	40.3' R	815.28
D	205+51.8	39.8' R	815.34
E	205+38.5	39.2' R	815.73
F	205+38.7	34.2' R	815.80
G	205+52.0	34.8' R	815.41
H	205+56.9	35.0' R	815.33

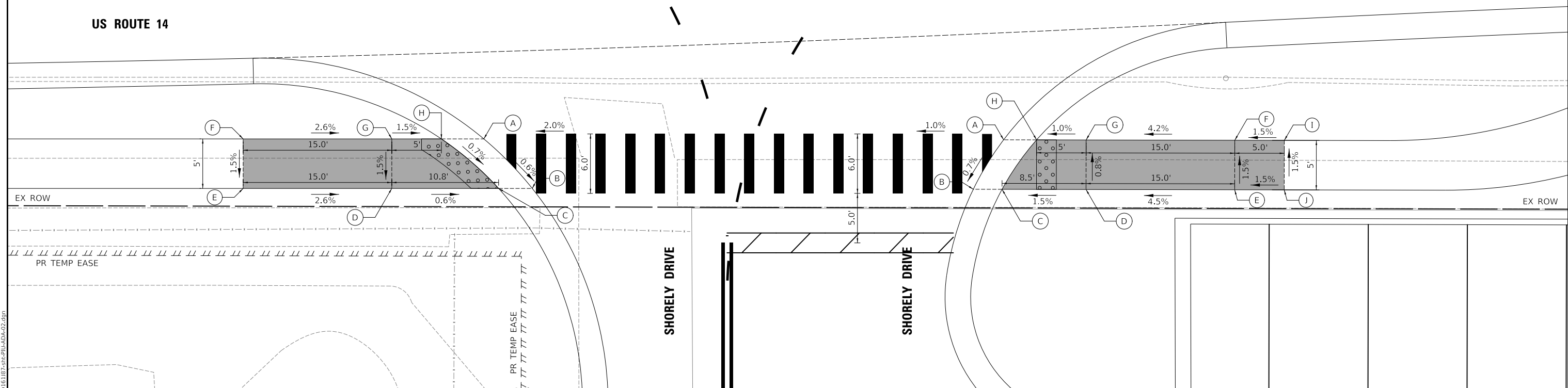
US RT 14 AND SHORELY DR EAST

	STATION	OFFSET	ELEVATION
A	206+13.2	38.1' R	815.86
B	206+09.8	42.9' R	815.82
C	206+12.7	43.1' R	815.81
D	206+21.3	43.6' R	815.94
E	206+36.0	44.4' R	816.61
F	206+36.7	39.4' R	816.53
G	206+21.6	38.6' R	815.90
H	206+16.5	38.3' R	815.85
I	206+41.8	39.7' R	816.61
J	206+41.5	44.7' R	816.68

US ROUTE 14 AND SHORELY DRIVE EAST INTERSECTION CORNER

US ROUTE 14 AND SHORELY DRIVE WEST INTERSECTION CORNER

US ROUTE 14



MODEL: \\MODEL\NAME: FILE: NAME: 0310187-PLU-DR-DA-02.dwg

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
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USER NAME = mc	DESIGNED - NEM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14 AND SHORELY DRIVE
SIDEWALK GRADING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	232
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

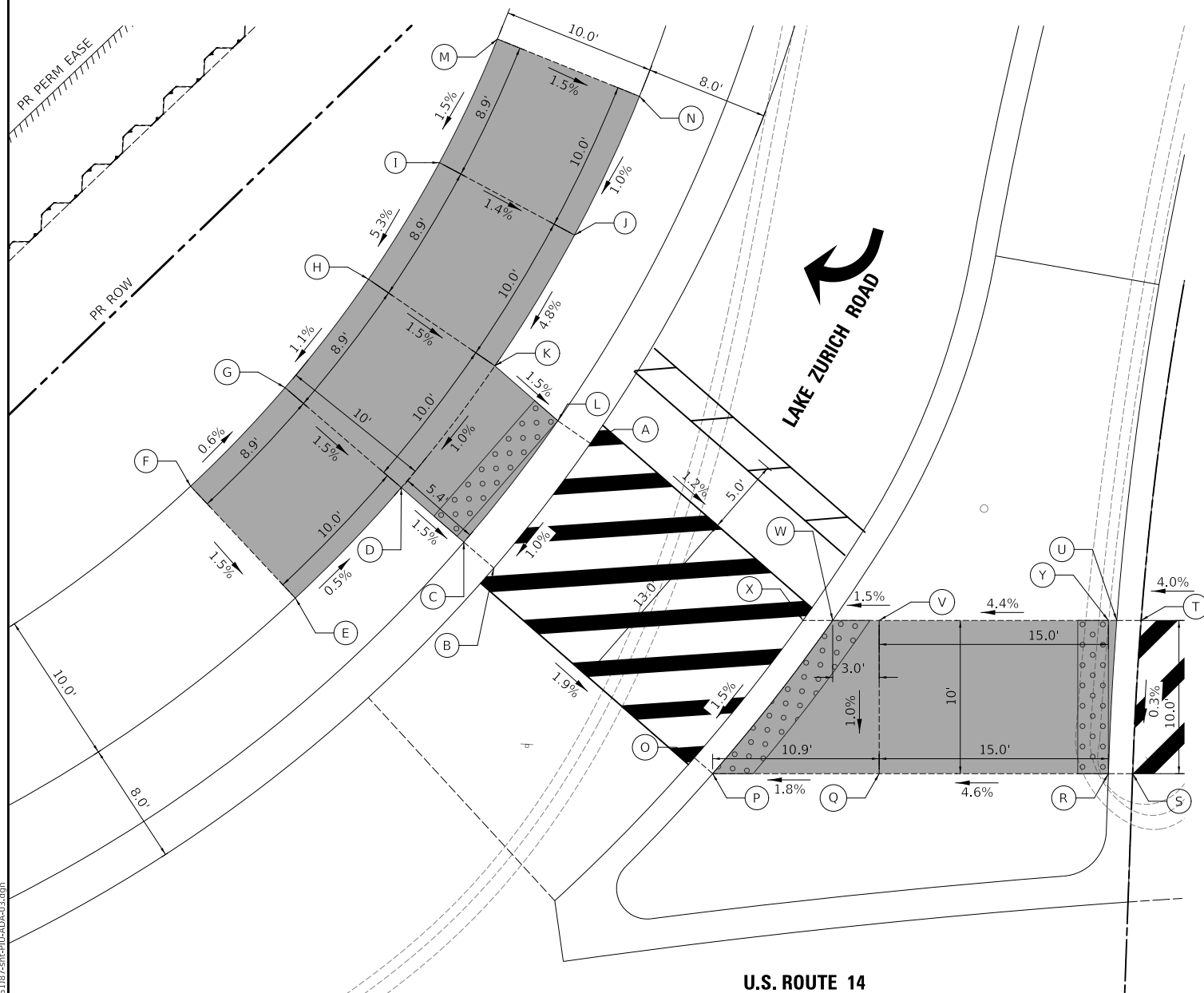
U.S RT 14 AND LAKE ZURICH RD NORTHEAST			
	STATION	OFFSET	ELEVATION
A	500+59.9	36.9' L	808.97
B	500+52.2	42.4' L	808.87
C	500+53.5	44.5' L	808.84
D	500+56.1	49.8' L	808.92
E	500+49.8	55.1' L	808.97
F	500+55.2	62.5' L	809.12
G	500+60.8	57.1' L	809.07
H	500+67.0	52.6' L	809.17
I	500+73.7	49.2' L	809.64
J	500+71.0	39.7' L	809.50
K	500+63.3	43.7' L	809.02
L	500+60.7	39.1' L	808.94
M	500+80.8	47.0' L	809.77

U.S RT 14 AND LAKE ZURICH RD NORTHEAST			
	STATION	OFFSET	ELEVATION
N	500+79.3	37.2' L	809.60
O	500+42.1	28.6' L	808.64
P	500+41.1	27.4' L	808.64
Q	500+41.5	16.5' L	808.84
R	500+42.0	1.6' L	809.53
S	500+42.1	.0' L	809.53
T	500+52.1	.0' L	809.56
U	500+52.0	1.6' L	809.56
V	500+50.9	17.0' L	808.89
W	500+50.7	20.1' L	808.84
X	500+50.6	22.0' L	808.81
Y	500+51.9	2.1' L	809.55

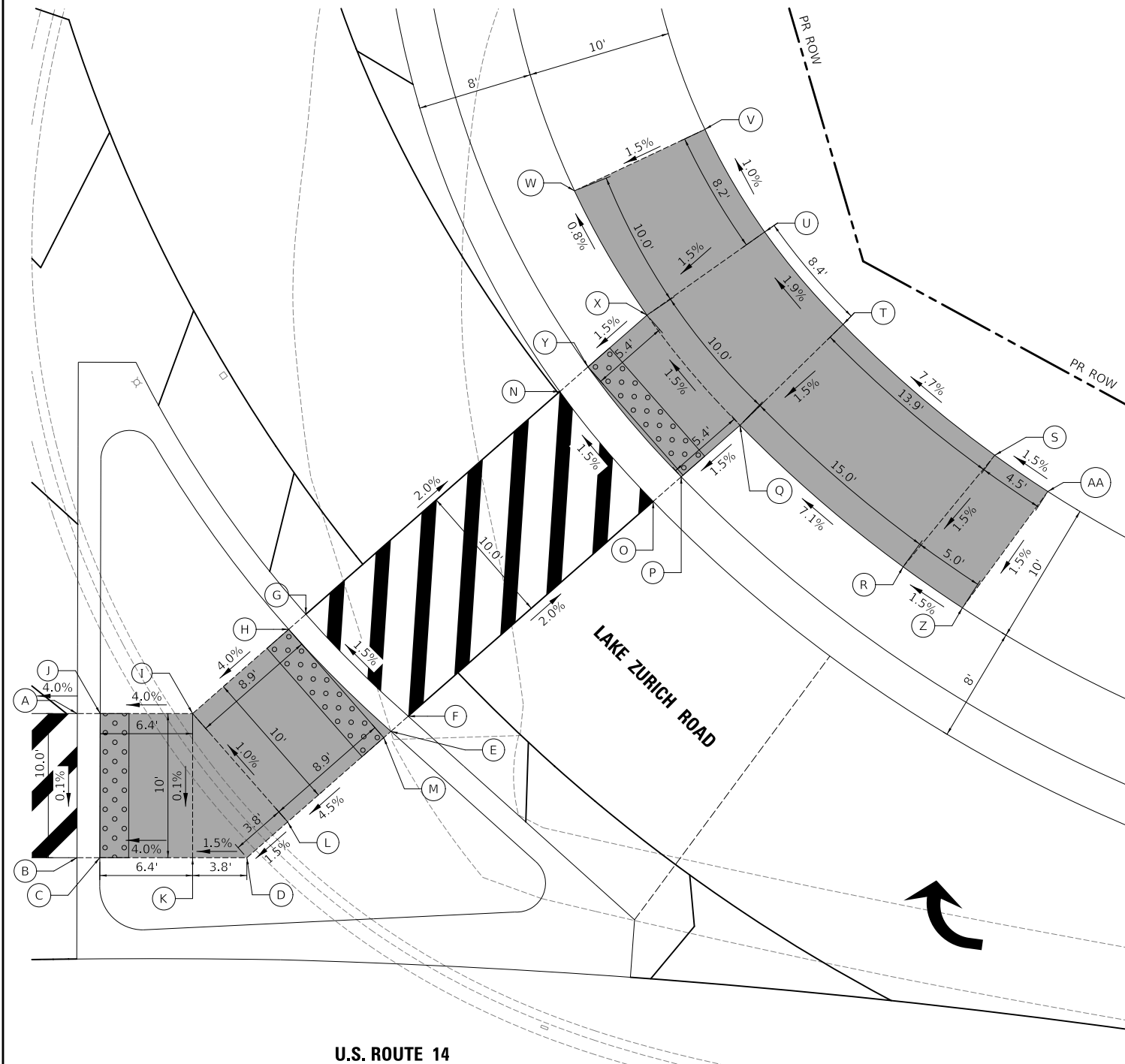
U.S RT 14 AND LAKE ZURICH RD SOUTHEAST			
	STATION	OFFSET	ELEVATION
A	500+55.1	32.6' R	810.88
B	500+43.4	33.3' R	810.87
C	500+43.4	34.8' R	810.87
D	500+43.9	45.0' R	811.19
E	500+56.0	54.4' R	811.64
F	500+57.6	55.5' R	811.64
G	500+65.6	47.6' R	811.49
H	500+64.1	46.6' R	811.49
I	500+55.9	40.6' R	811.09
J	500+55.2	34.2' R	810.88
K	500+43.7	41.3' R	811.13
L	500+47.2	47.7' R	811.25
M	500+55.4	54.0' R	811.65
N	500+90.1	62.0' R	811.02

U.S RT 14 AND LAKE ZURICH RD SOUTHEAST			
	STATION	OFFSET	ELEVATION
O	500+81.6	70.0' R	811.19
P	500+84.7	71.6' R	811.15
Q	500+91.2	74.7' R	811.23
R	500+80.2	87.9' R	812.30
S	500+95.2	92.3' R	812.45
T	501+04.5	79.6' R	811.38
U	501+11.0	72.4' R	811.22
V	501+18.6	66.1' R	811.14
W	501+08.7	59.0' R	810.99
X	500+99.5	66.4' R	811.07
Y	500+93.0	63.5' R	810.98
Z	500+76.9	92.5' R	812.37
AA	500+92.7	96.5' R	812.52

U.S. ROUTE 14 AND LAKE ZURICH ROAD NORTHEAST INTERSECTION CORNER



U.S. ROUTE 14 AND LAKE ZURICH ROAD SOUTHEAST INTERSECTION CORNER



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 14 AND LAKE ZURICH ROAD
SIDEWALK GRADING PLAN

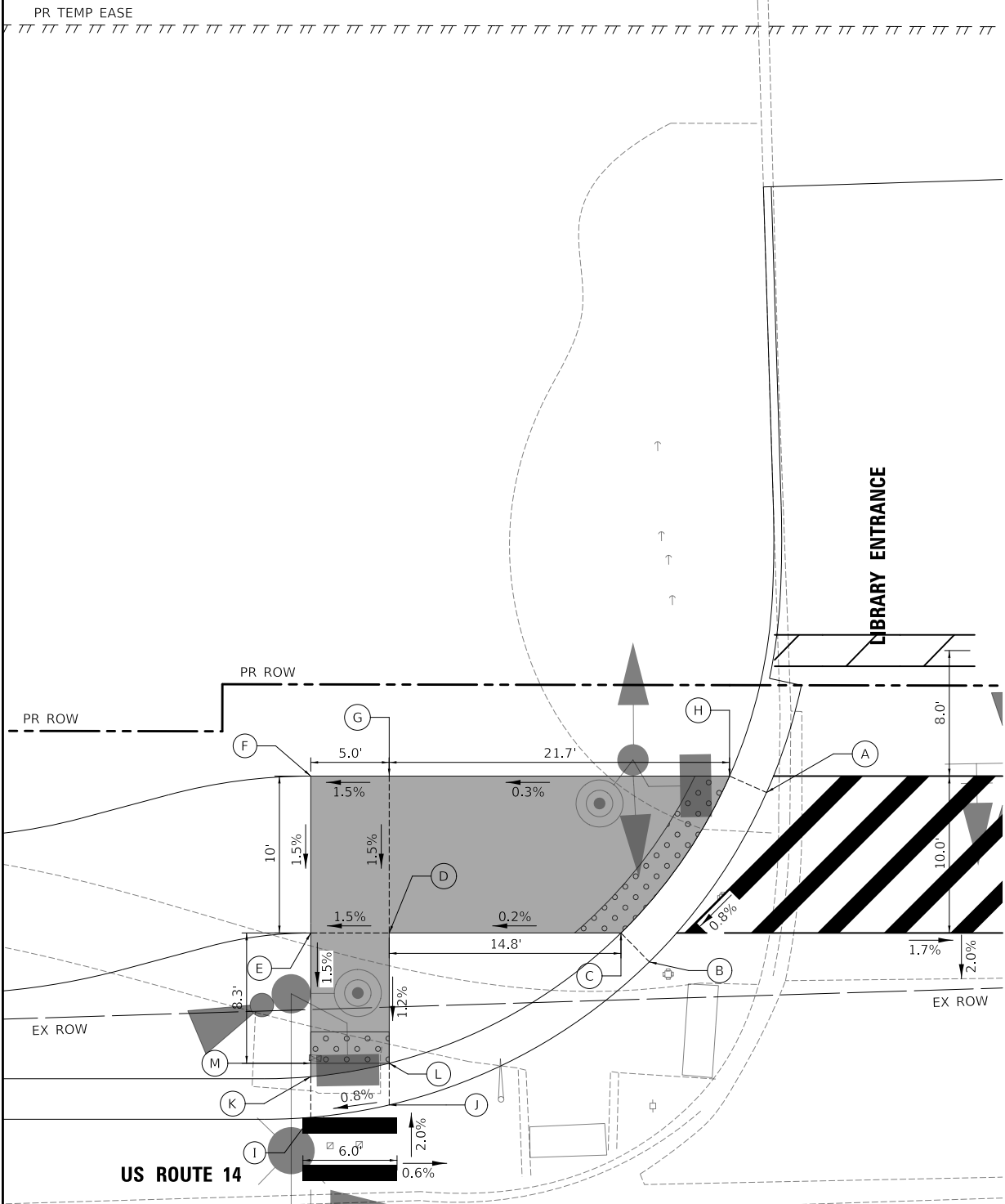
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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
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PLOT SCALE = 10.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

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

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 233
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

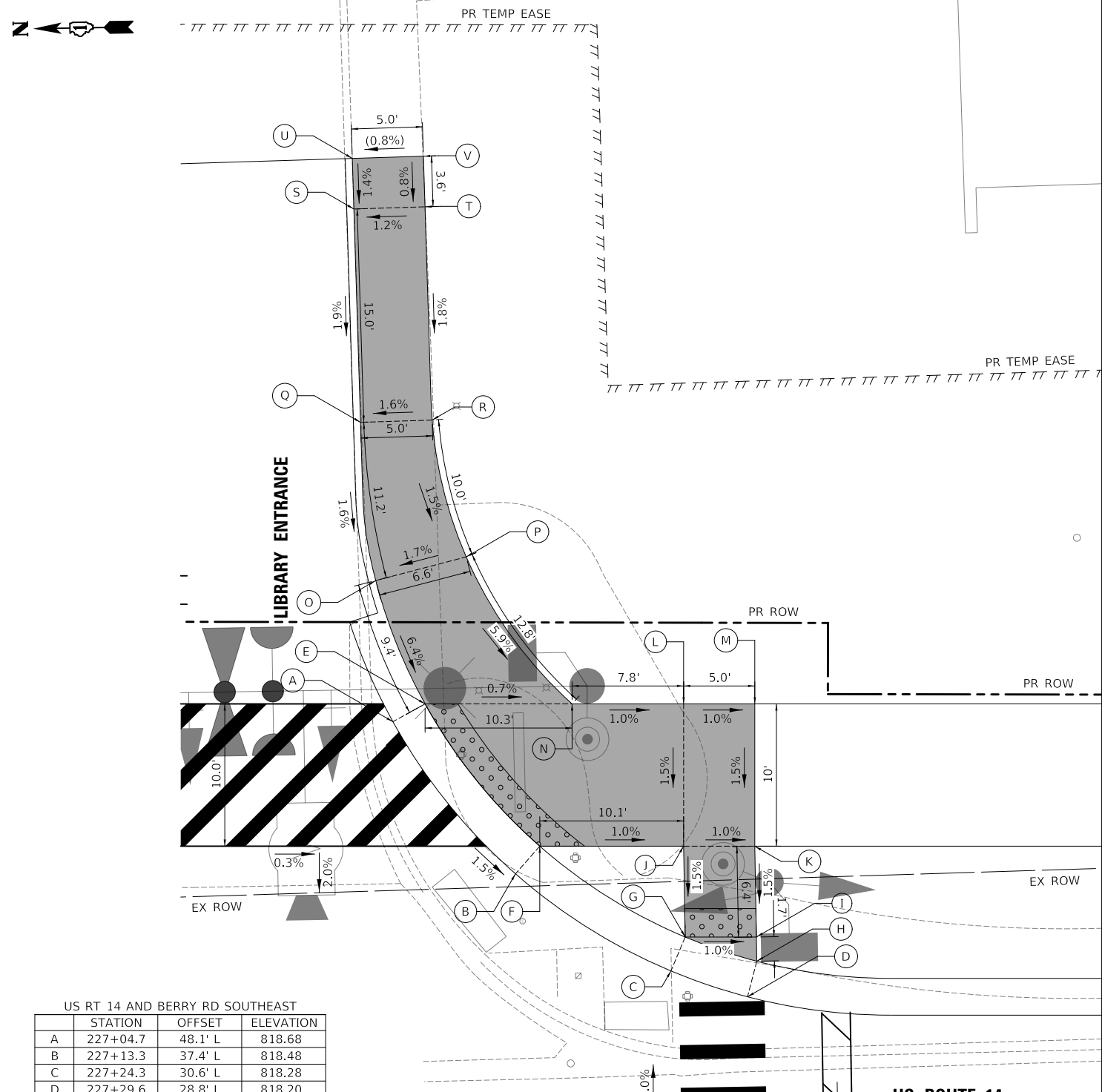
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US ROUTE 14 AND BERRY ROAD NORTHEAST INTERSECTION CORNER

US RT 14 AND BERRY RD NORTHEAST

	STATION	OFFSET	ELEVATION
A	226+77.0	48.3' L	818.92
B	226+69.5	37.5' L	818.81
C	226+67.7	39.4' L	818.77
D	226+52.9	39.4' L	818.80
E	226+47.9	39.4' L	818.73
F	226+47.9	49.4' L	818.88
G	226+52.9	49.4' L	818.95
H	226+74.6	49.4' L	818.88
I	226+47.9	27.6' L	818.63
J	226+52.9	28.4' L	818.67
K	226+47.9	30.2' L	818.59
L	226+52.9	31.1' L	818.63
M	226+47.9	31.1' L	818.60



US ROUTE 14 AND BERRY ROAD SOUTHEAST INTERSECTION CORNER

US RT 14 AND BERRY RD SOUTHEAST

	STATION	OFFSET	ELEVATION
A	227+04.7	48.1' L	818.68
B	227+13.3	37.4' L	818.48
C	227+24.3	30.6' L	818.28
D	227+29.6	28.8' L	818.20
E	227+07.0	49.4' L	818.64
F	227+15.0	39.4' L	818.44
G	227+25.3	33.0' L	818.24
H	227+30.3	31.3' L	818.16
I	227+30.3	33.0' L	818.19
J	227+25.2	39.4' L	818.34
K	227+30.2	39.4' L	818.29
L	227+25.2	49.4' L	818.49
M	227+30.2	49.4' L	818.44
N	227+17.3	49.4' L	818.57
O	227+03.5	58.0' L	819.22
P	227+09.9	59.7' L	819.33
Q	227+02.5	69.2' L	819.40
R	227+07.5	69.3' L	819.48
S	227+02.0	84.2' L	819.69
T	227+07.0	84.3' L	819.75
U	227+01.9	87.7' L	(819.74)
V	227+06.9	87.9' L	(819.78)

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PLOT DATE = 8/27/2024	CHECKED - DNM	REVISIONS -
	DATE - 08/28/2024	REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 14 AND BERRY ROAD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SIDEWALK GRADING PLAN		305	11-00087-00-GS	LAKE	816	234
SCALE: 1" = 5'		SHEET OF SHEETS		STA.	TO STA.	

CONTRACT NO. 61J87		ILLINOIS	FED. AID PROJECT
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US RT 14 AND BERRY RD SOUTHWEST

	STATION	OFFSET	ELEVATION
A	227+09.1	37.0' R	817.90
B	227+06.0	42.0' R	817.92
C	227+08.9	42.0' R	817.85
D	227+16.6	42.0' R	817.97
E	227+26.1	27.6' R	818.06
F	227+26.4	30.4' R	818.00
G	227+31.4	27.5' R	818.08
H	227+31.4	30.1' R	818.02
I	227+21.6	42.0' R	818.17
J	227+41.6	42.0' R	818.92
K	227+41.6	37.0' R	818.84
L	227+21.6	37.0' R	818.10
M	227+46.6	41.9' R	(818.99)
N	227+46.6	36.9' R	(818.82)
O	227+31.6	42.0' R	818.44
P	227+31.5	37.0' R	818.37
Q	227+16.5	37.0' R	817.90
R	227+12.5	37.0' R	817.83
S	227+36.6	42.0' R	818.68
T	227+36.6	37.0' R	818.61
U	227+06.6	40.8' R	817.91
V	227+10.6	35.2' R	817.89
W	227+26.5	37.0' R	818.30
X	227+26.6	42.0' R	818.37
Y	227+12.5	42.0' R	817.90

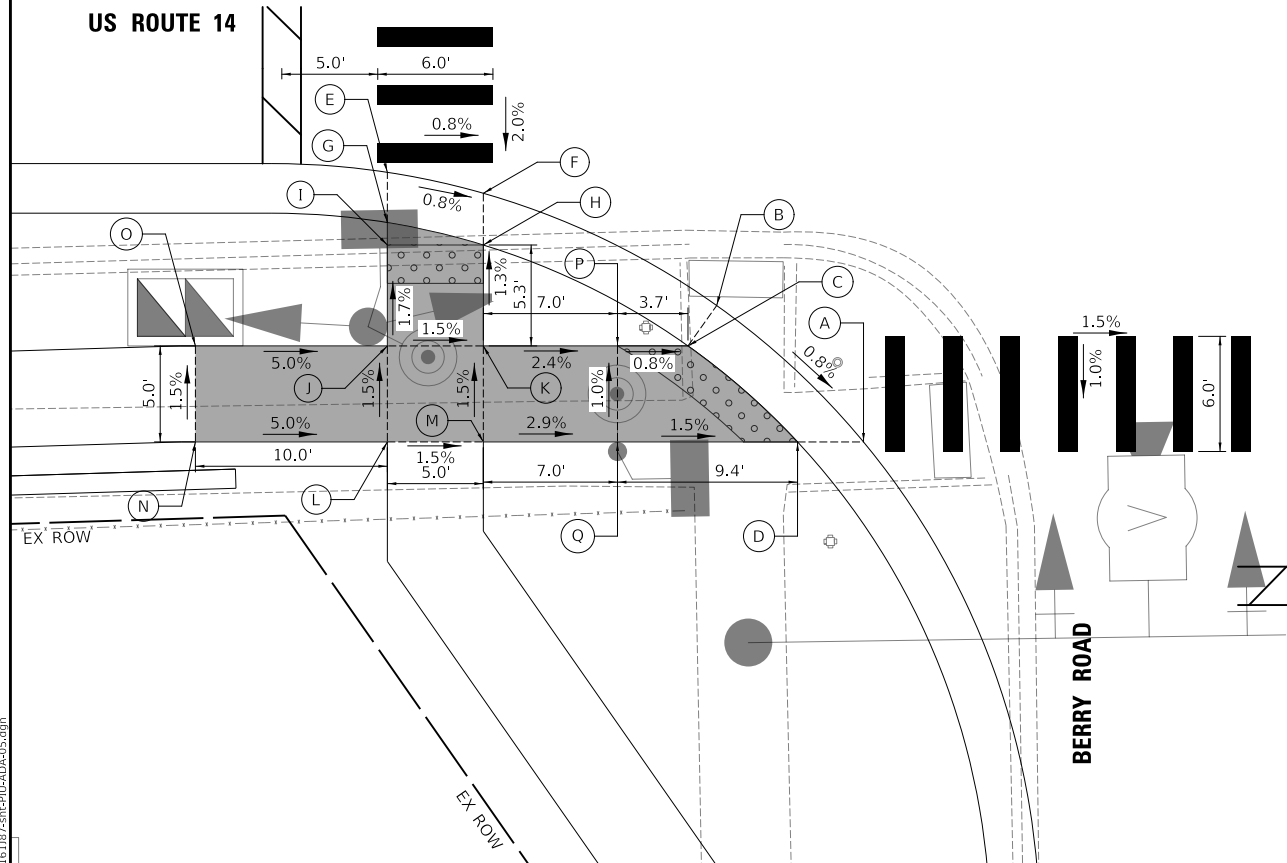
US RT 14 AND BERRY RD NORTHWEST

	STATION	OFFSET	ELEVATION
A	226+72.7	42.0' R	818.35
B	226+65.1	34.9' R	818.41
C	226+63.6	37.0' R	818.37
D	226+69.3	42.0' R	818.31
E	226+47.4	28.0' R	818.58
F	226+52.9	29.0' R	818.54
G	226+47.9	30.6' R	818.54
H	226+52.9	31.7' R	818.50
I	226+47.9	31.7' R	818.56
J	226+47.9	37.0' R	818.65
K	226+52.9	37.0' R	818.57
L	226+47.9	42.0' R	818.72
M	226+52.9	42.0' R	818.65
N	226+37.9	42.0' R	819.22
O	226+37.9	37.0' R	819.14
P	226+59.9	37.0' R	818.40
Q	226+59.9	42.0' R	818.45



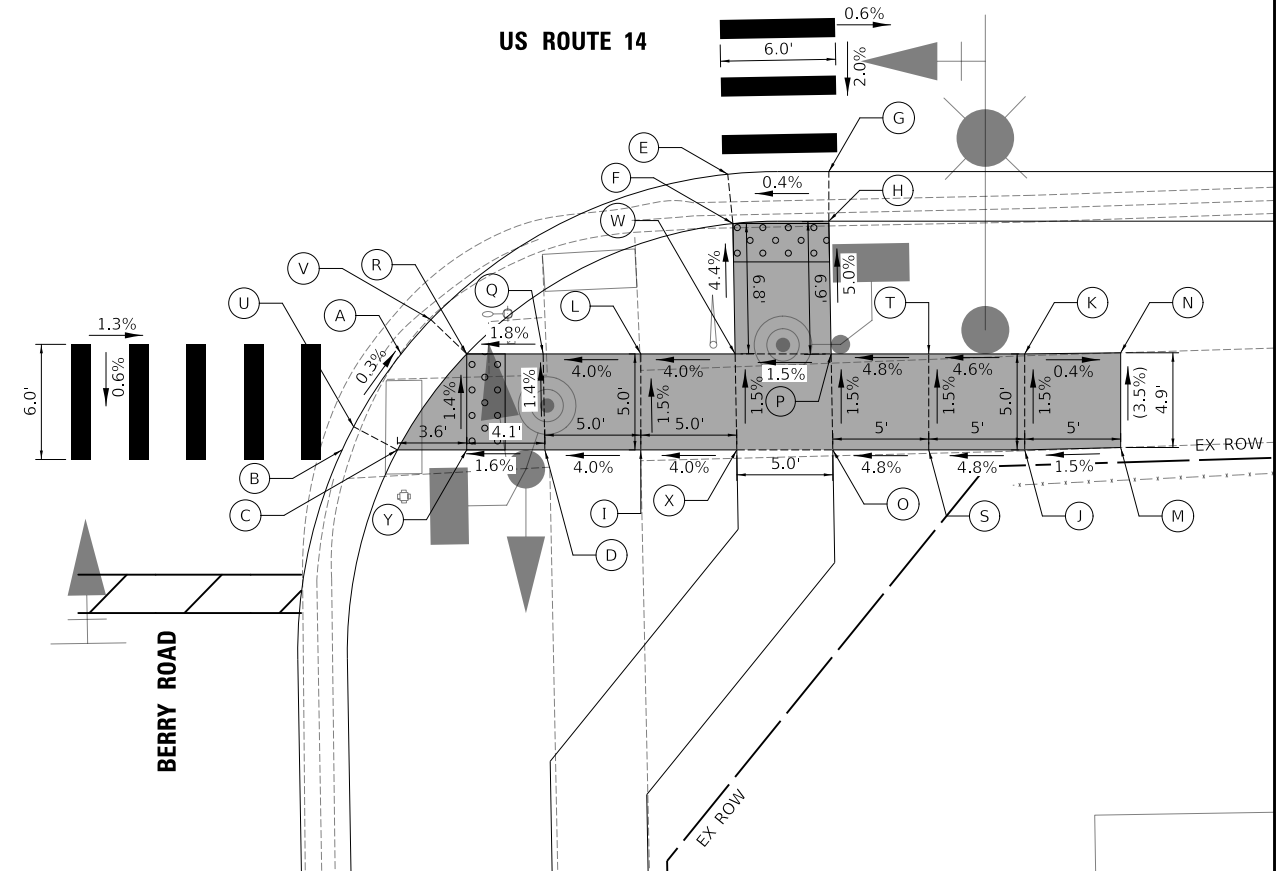
US ROUTE 14 AND BERRY ROAD NORTHWEST INTERSECTION CORNER

US ROUTE 14



US ROUTE 14 AND BERRY ROAD SOUTHWEST INTERSECTION CORNER

US ROUTE 14



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 AND BERRY ROAD
SIDEWALK GRADING PLAN

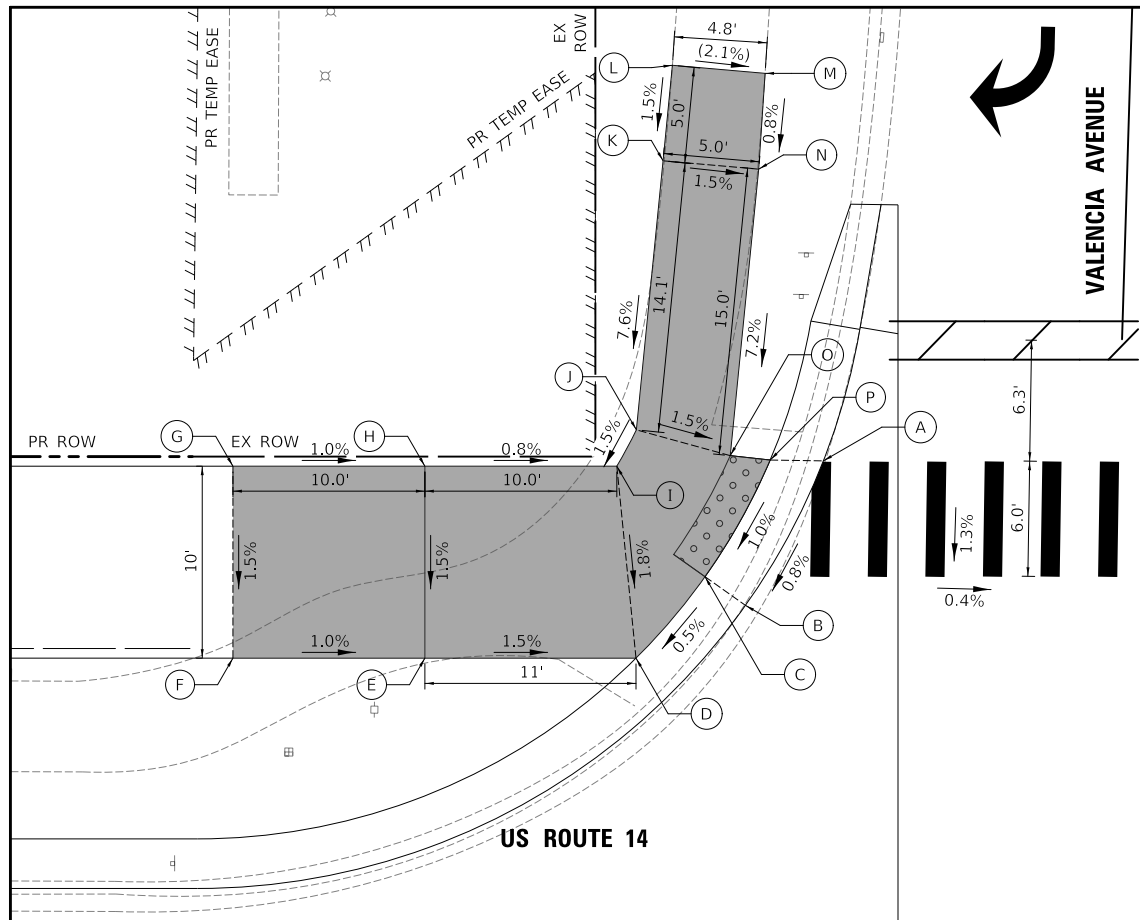
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	235
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

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

MODEL: \\MODELS\NAME: FILE: NAME: 202408187-RTU-2024-08-05.dwg

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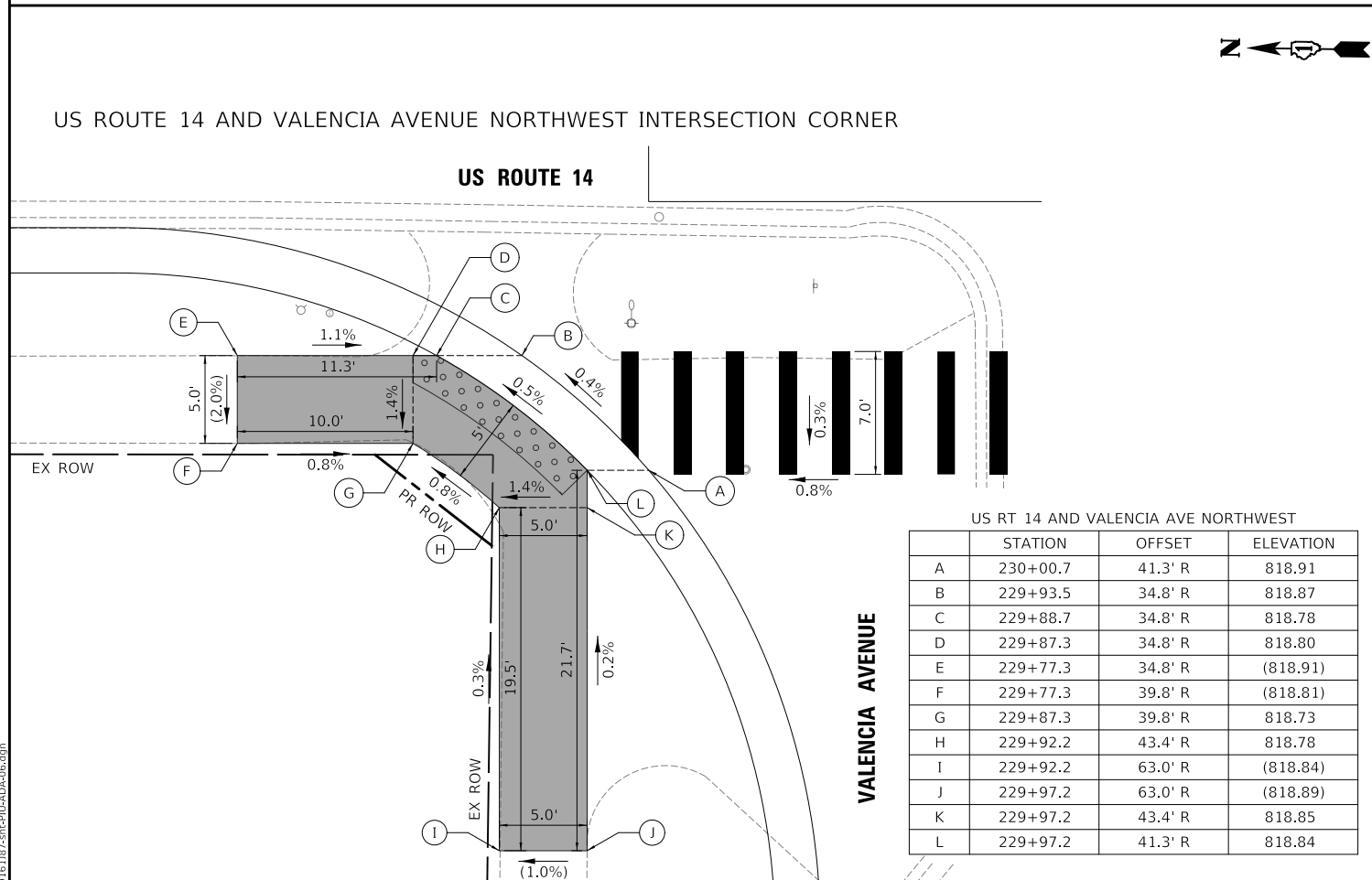
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PLOT SCALE = 10.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -



US RT 14 AND VALENCIA AVE NORTHEAST

	STATION	OFFSET	ELEVATION
A	229+96.8	49.8' L	819.21
B	229+92.8	42.2' L	819.13
C	229+90.7	43.7' L	819.07
D	229+87.1	35.2' L	819.04
E	229+76.1	35.2' L	819.15
F	229+66.1	35.2' L	819.25
G	229+66.1	45.2' L	819.40
H	229+76.1	45.2' L	819.30
I	229+86.1	45.2' L	819.22
J	229+87.1	51.4' L	819.25
K	229+88.5	64.4' L	820.32
L	229+89.0	70.4' L	(820.39)
M	229+93.8	70.0' L	(820.29)
N	229+93.5	65.0' L	820.25
O	229+92.0	50.0' L	819.17
P	229+94.1	49.8' L	819.14

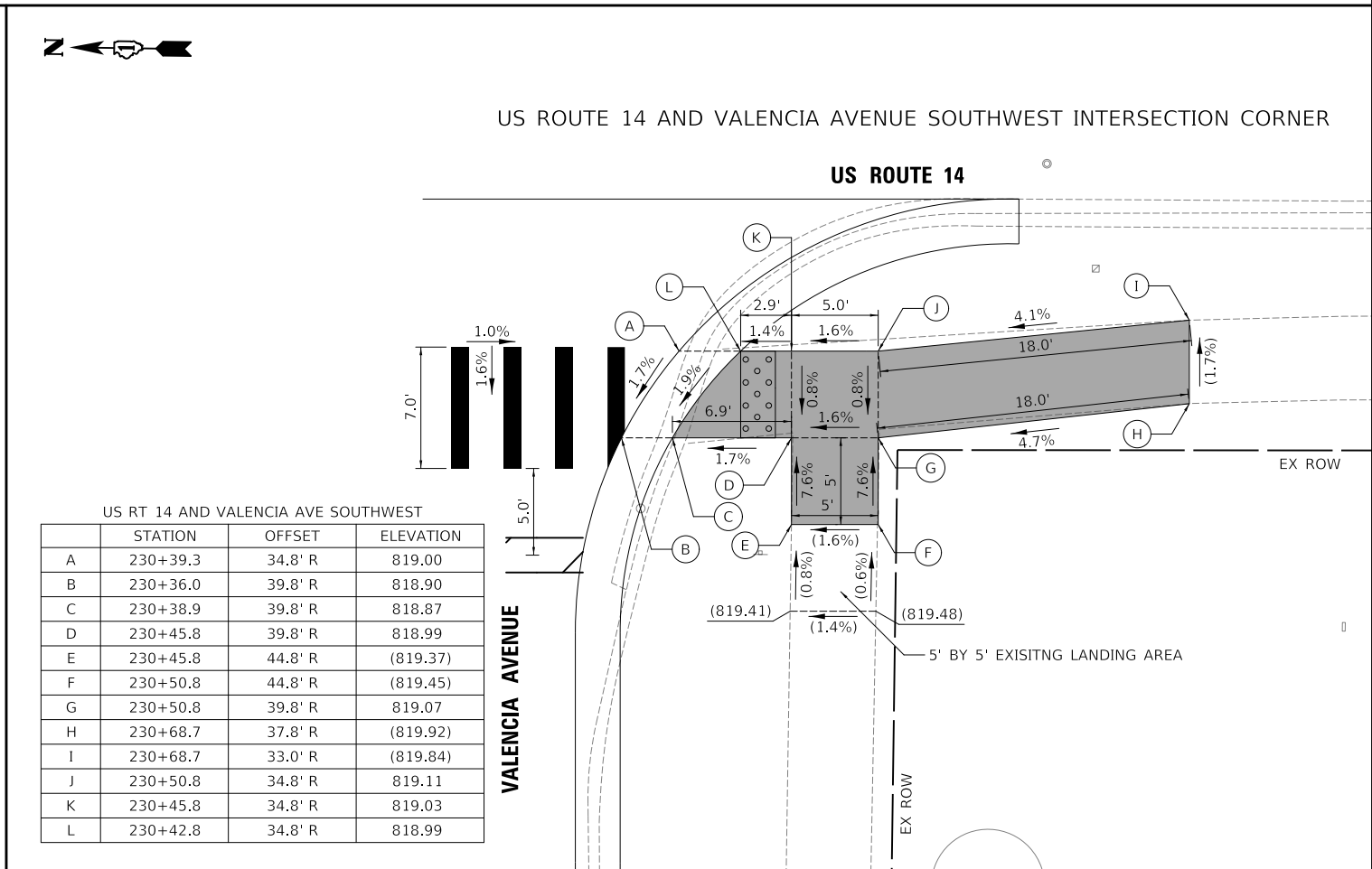
US ROUTE 14 AND VALENCIA AVENUE NORTHEAST INTERSECTION CORNER



US RT 14 AND VALENCIA AVE NORTHWEST

	STATION	OFFSET	ELEVATION
A	230+00.7	41.3' R	818.91
B	229+93.5	34.8' R	818.87
C	229+88.7	34.8' R	818.78
D	229+87.3	34.8' R	818.80
E	229+77.3	34.8' R	(818.91)
F	229+77.3	39.8' R	(818.81)
G	229+87.3	39.8' R	818.73
H	229+92.2	43.4' R	818.78
I	229+92.2	63.0' R	(818.84)
J	229+97.2	63.0' R	(818.89)
K	229+97.2	43.4' R	818.85
L	229+97.2	41.3' R	818.84

US ROUTE 14 AND VALENCIA AVENUE NORTHWEST INTERSECTION CORNER



US RT 14 AND VALENCIA AVE SOUTHWEST

	STATION	OFFSET	ELEVATION
A	230+39.3	34.8' R	819.00
B	230+36.0	39.8' R	818.90
C	230+38.9	39.8' R	818.87
D	230+45.8	39.8' R	818.99
E	230+45.8	44.8' R	(819.37)
F	230+50.8	44.8' R	(819.45)
G	230+50.8	39.8' R	819.07
H	230+68.7	37.8' R	(819.92)
I	230+68.7	33.0' R	(819.84)
J	230+50.8	34.8' R	819.11
K	230+45.8	34.8' R	819.03
L	230+42.8	34.8' R	818.99

US ROUTE 14 AND VALENCIA AVENUE SOUTHWEST INTERSECTION CORNER

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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/27/2024

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 CHECKED - DNM
 DATE - 08/28/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 AND VALENCIA AVENUE
SIDEWALK GRADING PLAN

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

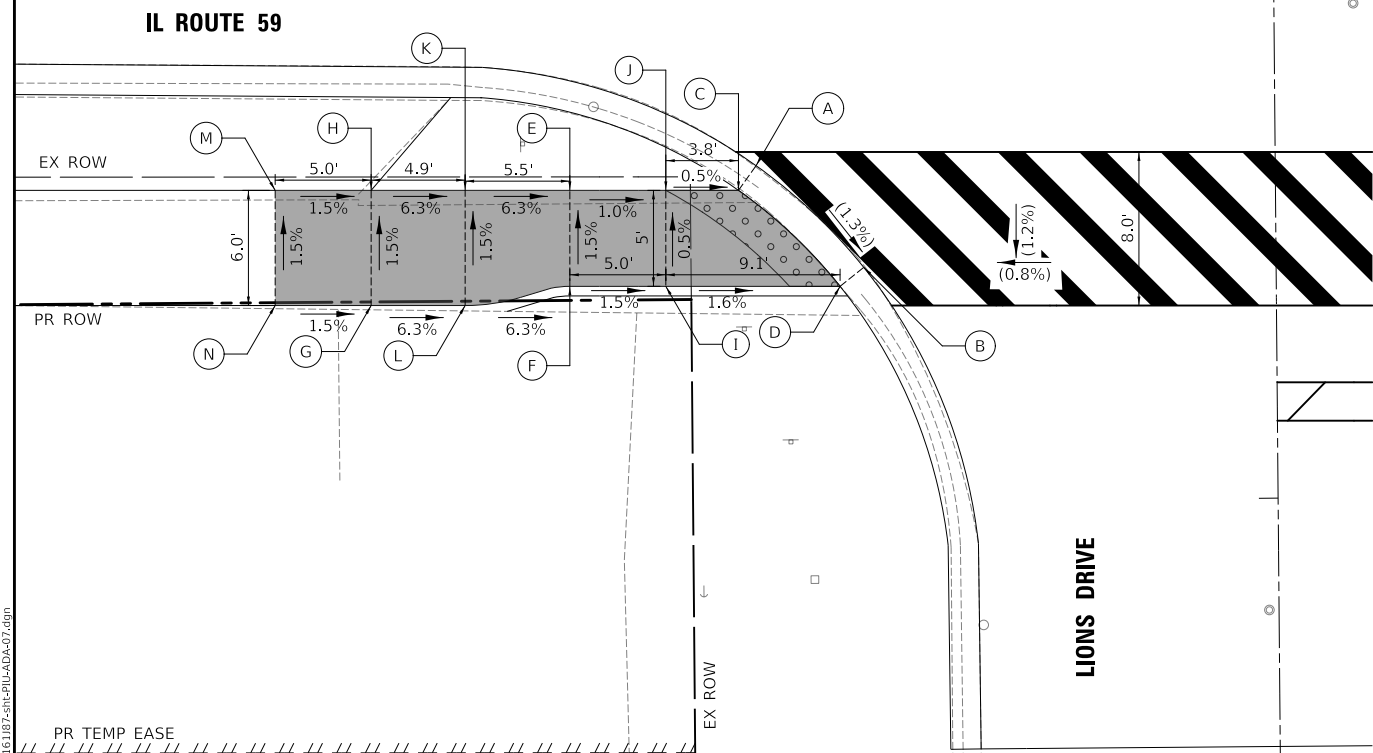
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	236
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



IL RT 59 AND LIONS DR NORTHWEST

	STATION	OFFSET	ELEVATION
A	71+12.3	32.3' L	(813.84)
B	71+06.7	37.6' L	(813.74)
C	71+13.2	33.6' L	813.84
D	71+07.9	38.6' L	813.74
E	71+22.0	33.6' L	813.94
F	71+22.0	38.6' L	814.02
G	71+32.3	39.6' L	814.69
H	71+32.3	33.6' L	814.60
I	71+17.0	38.6' L	813.94
J	71+17.0	33.6' L	813.89
K	71+27.4	33.6' L	814.29
L	71+27.4	39.6' L	814.36
M	71+37.3	33.6' L	814.67
N	71+37.3	39.6' L	814.76

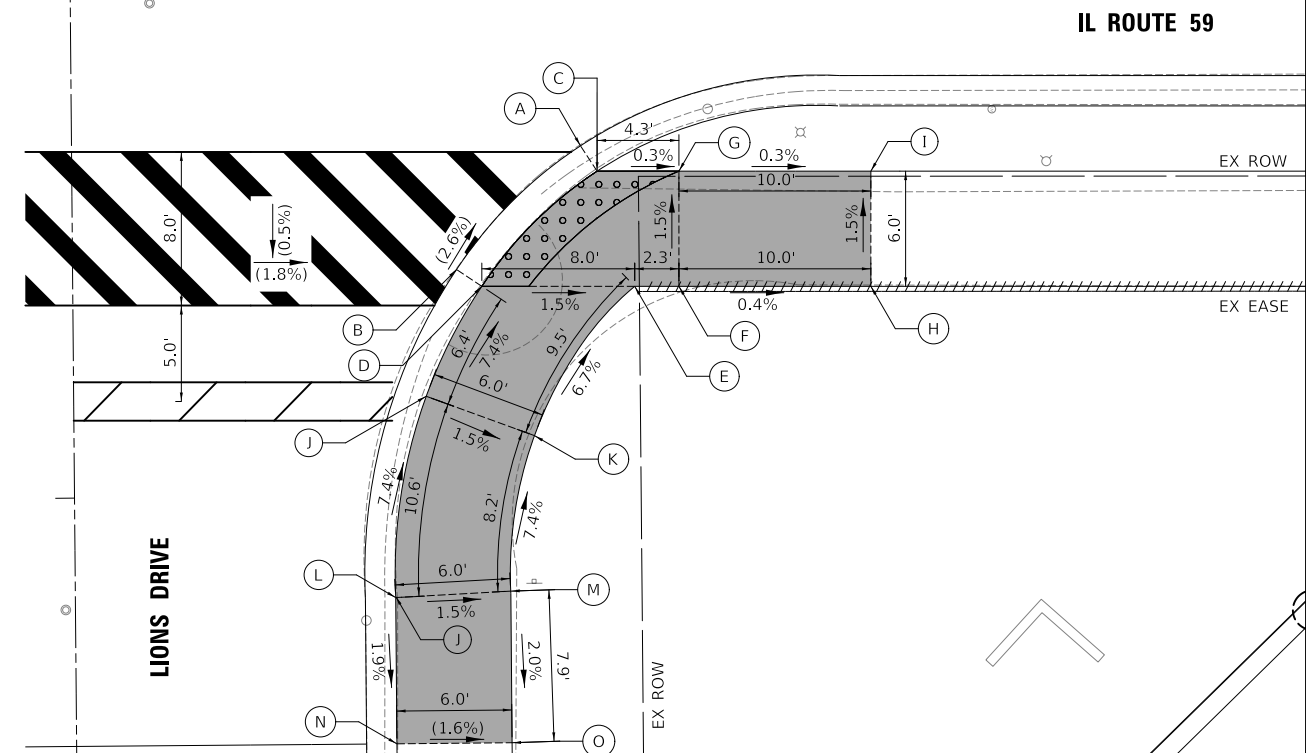
IL ROUTE 59 AND LIONS DRIVE NORTHWEST INTERSECTION CORNER



IL RT 59 AND LIONS DR SOUTHWEST

	STATION	OFFSET	ELEVATION
A	70+31.2	31.3' L	(813.80)
B	70+37.7	37.7' L	(814.04)
C	70+30.4	32.6' L	813.79
D	70+36.4	38.6' L	814.03
E	70+28.4	38.6' L	813.95
F	70+26.1	38.6' L	813.87
G	70+26.1	32.6' L	813.78
H	70+16.1	38.6' L	813.83
I	70+16.1	32.6' L	813.74
J	70+39.3	44.3' L	814.50
K	70+33.6	46.4' L	814.59
L	70+40.9	54.8' L	815.29
M	70+34.9	54.5' L	815.20
N	70+40.8	62.4' L	(815.14)
O	70+34.6	62.4' L	(815.04)

IL ROUTE 59 AND LIONS DRIVE SOUTHWEST INTERSECTION CORNER



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FILE: \\NAME: 031013187-RT-59-IL-DA-07.dwg

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 59 AND LIONS DRIVE
SIDEWALK GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	237
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

LAKE ZURICH RD AND PARK ACCESS DR NORTHWEST

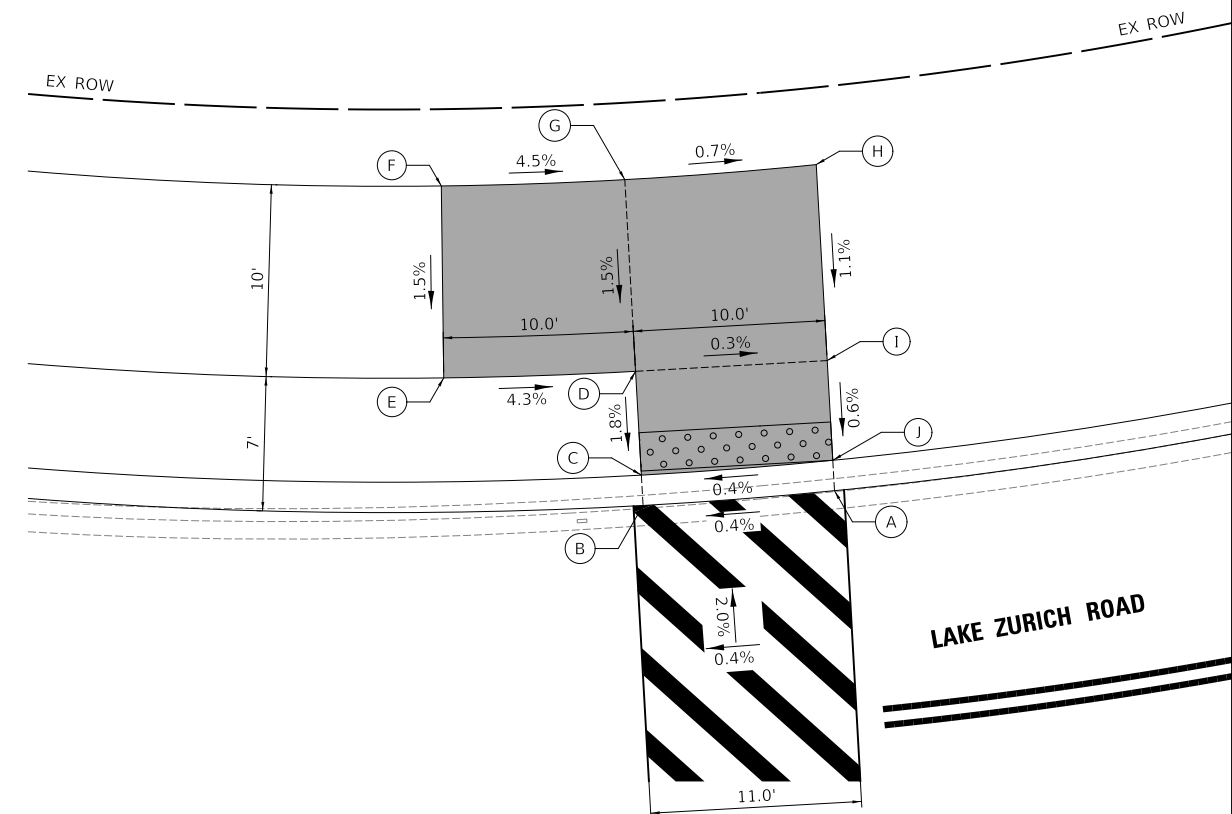
	STATION	OFFSET	ELEVATION
A	505+48.6	12.0' L	817.72
B	505+38.1	12.0' L	817.68
C	505+38.1	13.6' L	817.62
D	505+38.1	19.0' L	817.72
E	505+27.3	19.0' L	818.15
F	505+27.3	29.0' L	818.30
G	505+38.1	29.0' L	817.87
H	505+49.4	29.0' L	817.80
I	505+48.9	18.8' L	817.69
J	505+48.7	13.6' L	817.66

LAKE ZURICH RD AND PARK ACCESS DR SOUTHEAST

	STATION	OFFSET	ELEVATION
A	504+97.8	28.4' R	817.40
B	505+02.9	37.9' R	817.58
C	505+01.5	38.0' R	817.58
D	504+66.4	29.0' R	817.45
E	504+66.4	19.0' R	817.30
F	504+96.1	28.6' R	817.40

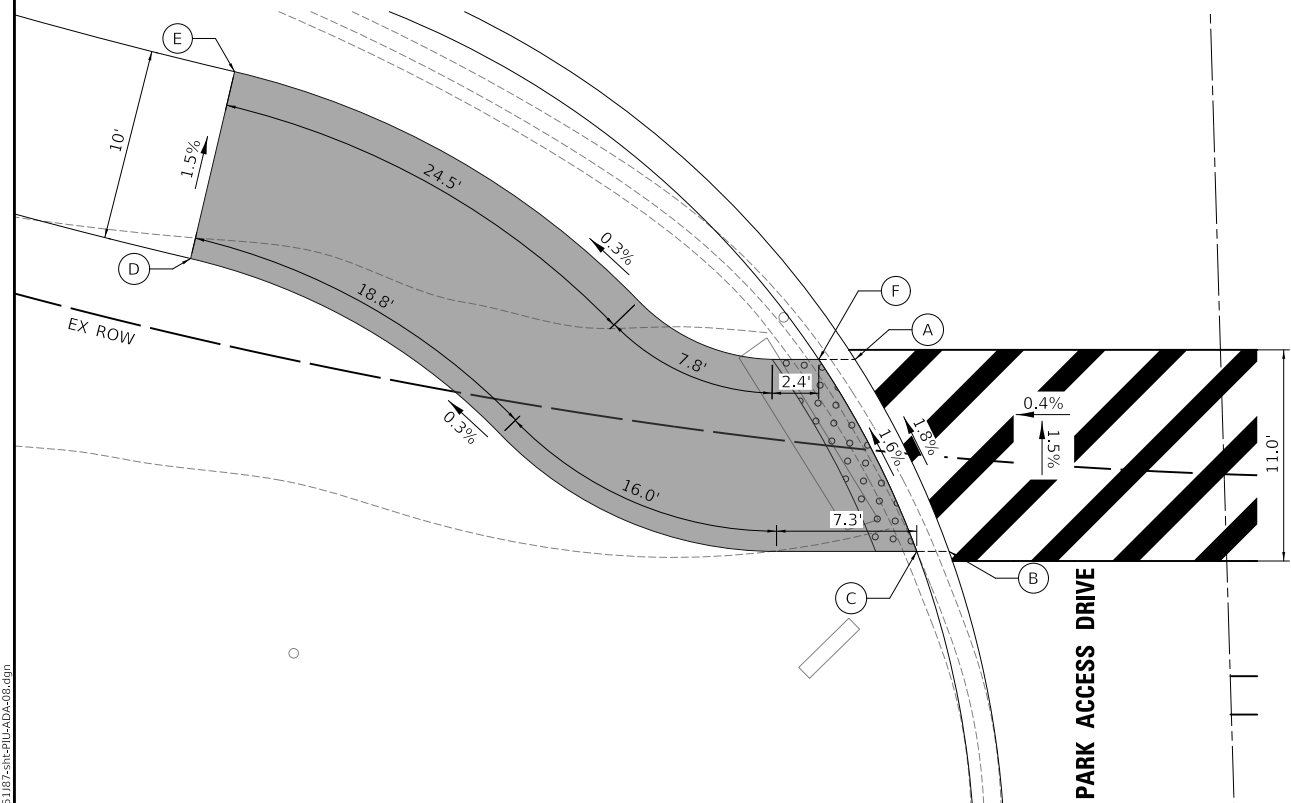
LAKE ZURICH RD AND PARK ACCESS DR NORTHEAST

	STATION	OFFSET	ELEVATION
A	505+47.5	17.1' R	817.84
B	505+30.4	36.8' R	818.01
C	505+31.7	37.5' R	817.95
D	505+43.8	49.9' R	(817.78)
E	505+52.1	35.1' R	(817.71)
F	505+47.9	18.7' R	817.78

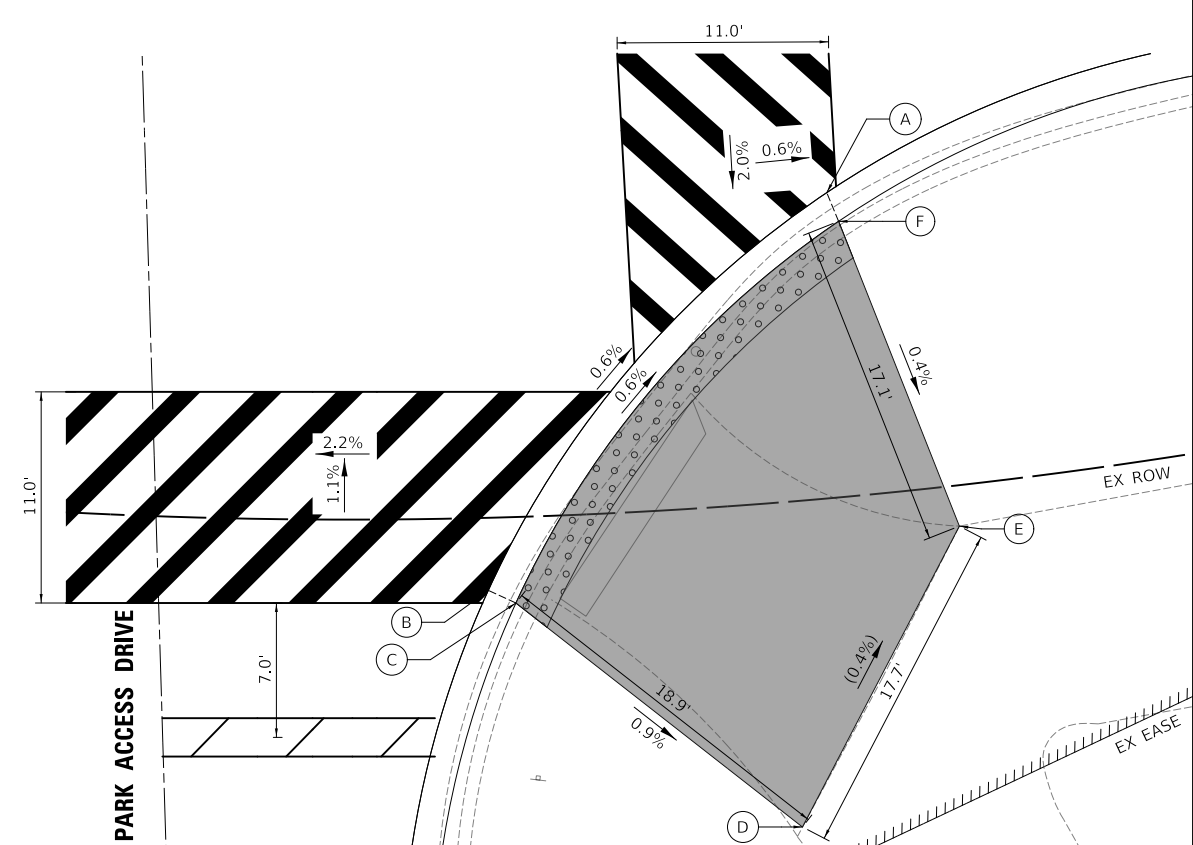


LAKE ZURICH ROAD AND PARK ACCESS DRIVE NORTHWEST INTERSECTION CORNER

LAKE ZURICH ROAD AND PARK ACCESS DRIVE SOUTHEAST INTERSECTION CORNER



LAKE ZURICH ROAD AND PARK ACCESS DRIVE NORTHEAST INTERSECTION CORNER



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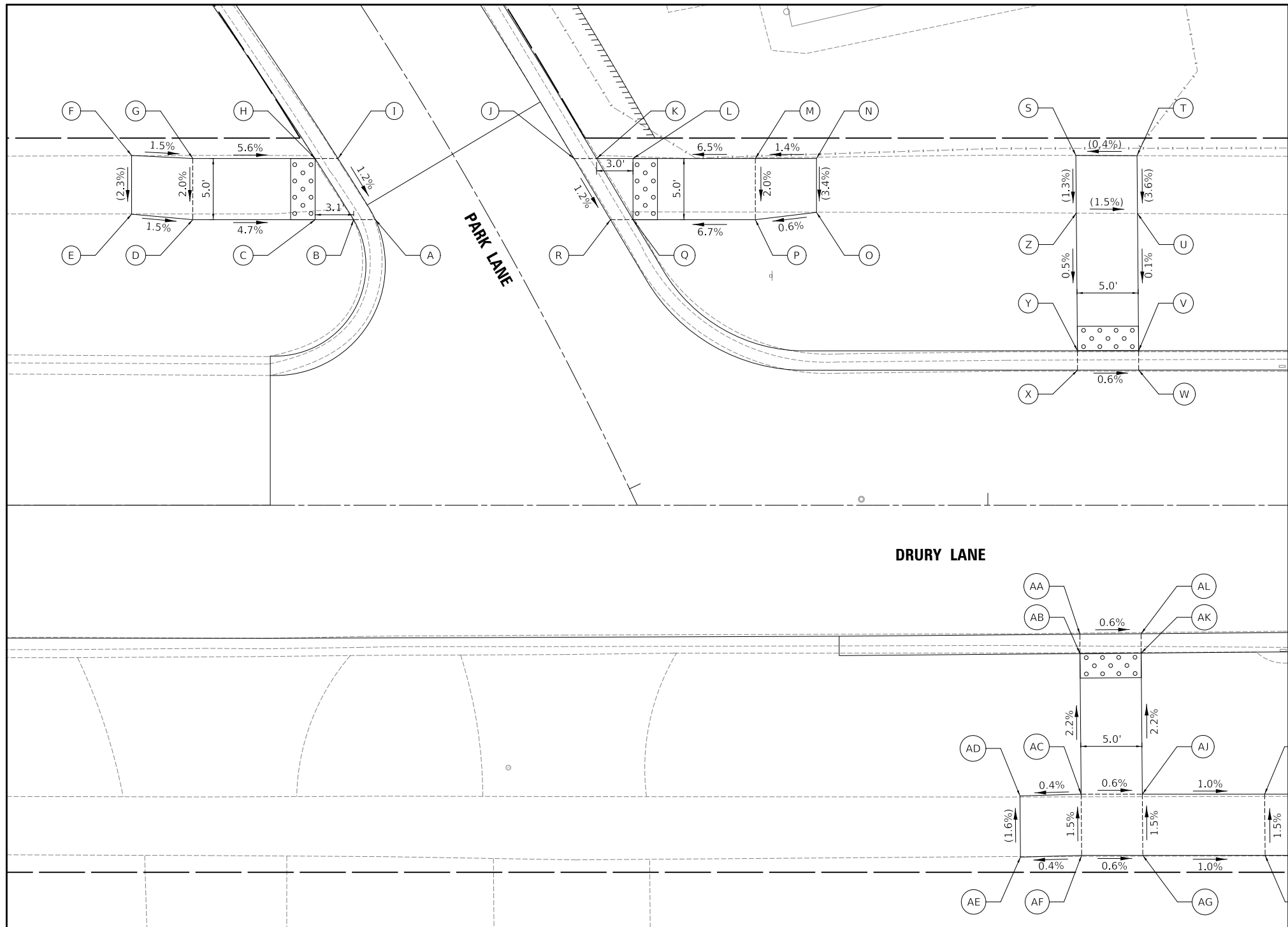
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PLOT DATE = 8/27/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LAKE ZURICH ROAD AND PARK ACCESS DRIVE
SIDEWALK GRADING PLAN**
SCALE: 1" = 5'
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 238
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PARK LANE (P) AND DRURY LANE (D)			
	STATION	OFFSET	ELEVATION
A	405+70.5 (P)	8.2' R	818.20
B	405+69.5 (P)	9.7' R	818.20
C	405+67.9 (P)	12.4' R	818.26
D	405+62.5 (P)	21.0' R	818.73
E	405+59.2 (P)	25.0' R	(818.80)
F	405+54.9 (P)	22.4' R	(818.91)
G	405+58.0 (P)	18.3' R	818.83
H	405+63.5 (P)	9.8' R	818.27
I	405+64.5 (P)	8.2' R	818.27
J	405+74.3 (P)	8.4' L	818.22
K	405+75.1 (P)	10.0' L	818.22
L	405+76.6 (P)	12.6' L	818.28
M	405+81.2 (P)	21.4' L	818.93
N	405+83.4 (P)	25.8' L	(819.00)
O	405+87.0 (P)	23.7' L	(818.85)
P	405+85.3 (P)	19.0' L	818.82
Q	405+80.8 (P)	10.2' L	818.15
R	405+79.9 (P)	8.6' L	818.15
S	706+07.2 (D)	28.6' L	(819.16)
T	706+12.2 (D)	28.6' L	(819.18)
U	706+12.2 (D)	23.8' L	(819.01)
V	706+12.3 (D)	12.6' L	818.01
W	706+12.3 (D)	11.0' L	818.01
X	706+07.3 (D)	11.0' L	818.04
Y	706+07.3 (D)	12.6' L	818.04
Z	706+07.2 (D)	23.9' L	(819.09)
AA	706+07.5 (D)	10.5' R	818.03
AB	706+07.5 (D)	12.1' R	818.03
AC	706+07.6 (D)	23.6' R	819.28
AD	706+02.6 (D)	23.8' R	(819.26)
AE	706+02.7 (D)	28.8' R	(819.34)
AF	706+07.7 (D)	28.6' R	819.36
AG	706+12.7 (D)	28.6' R	819.33
AH	706+22.7 (D)	28.6' R	819.23
AI	706+22.6 (D)	23.6' R	819.15
AJ	706+12.6 (D)	23.6' R	819.25
AK	706+12.5 (D)	12.1' R	818.00
AL	706+12.5 (D)	10.5' R	818.00

MODEL: \\MODELNAME
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 Two Pierce Place, Suite 1400
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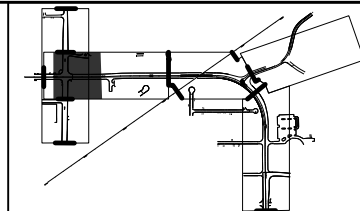
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	DATE - 08/28/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION

PARK LANE AND DRURY LANE
SIDEWALK GRADING PLAN

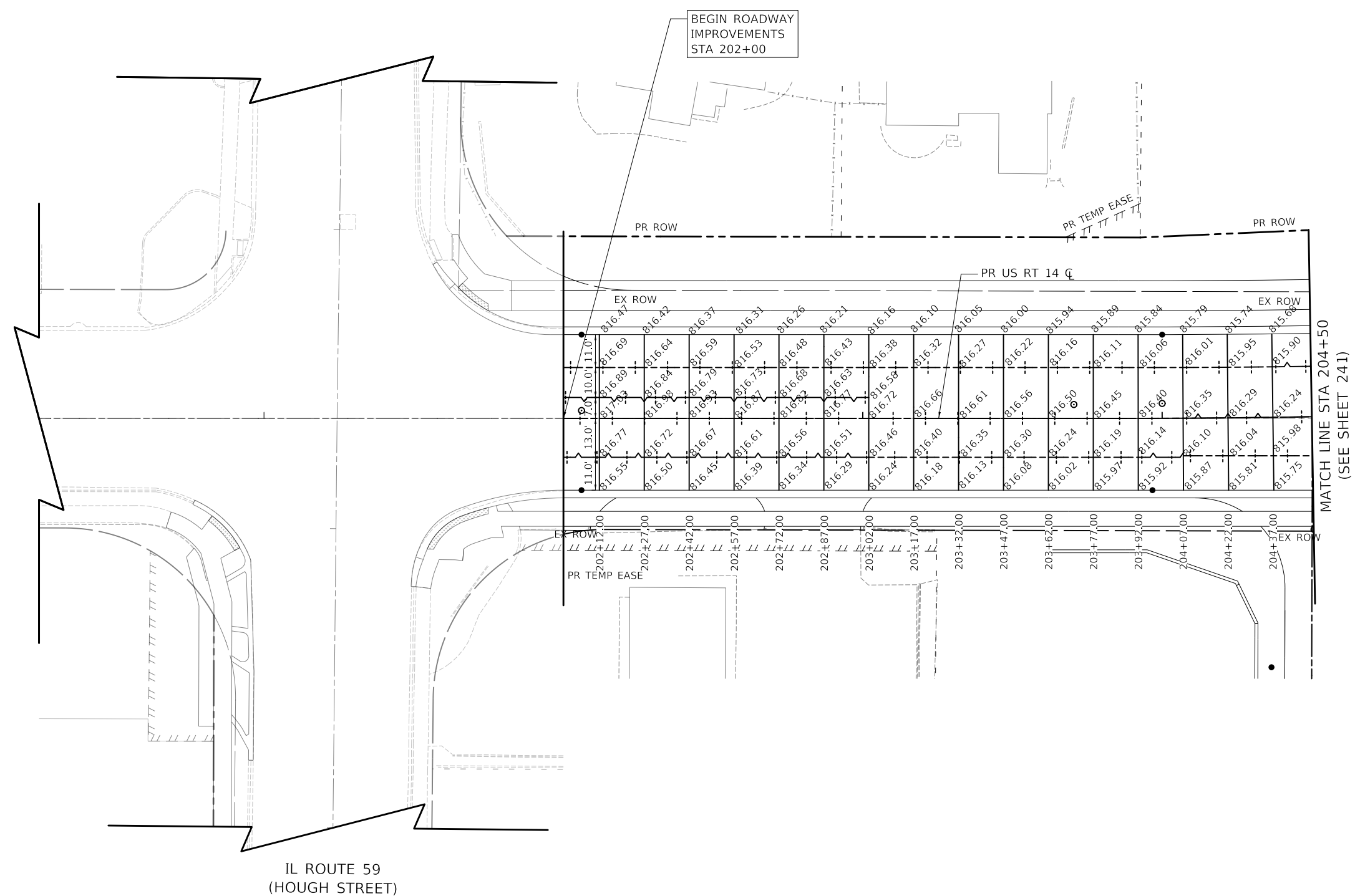
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	239
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +--- PAVEMENT JOINT - SAWED
- +--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MODEL: \\MODEL\NAME
 FILE: \\NAME: 0310187-410001.dgn


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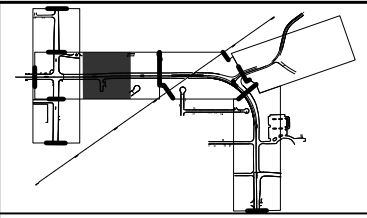
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PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14
PAVEMENT JOINT PLAN

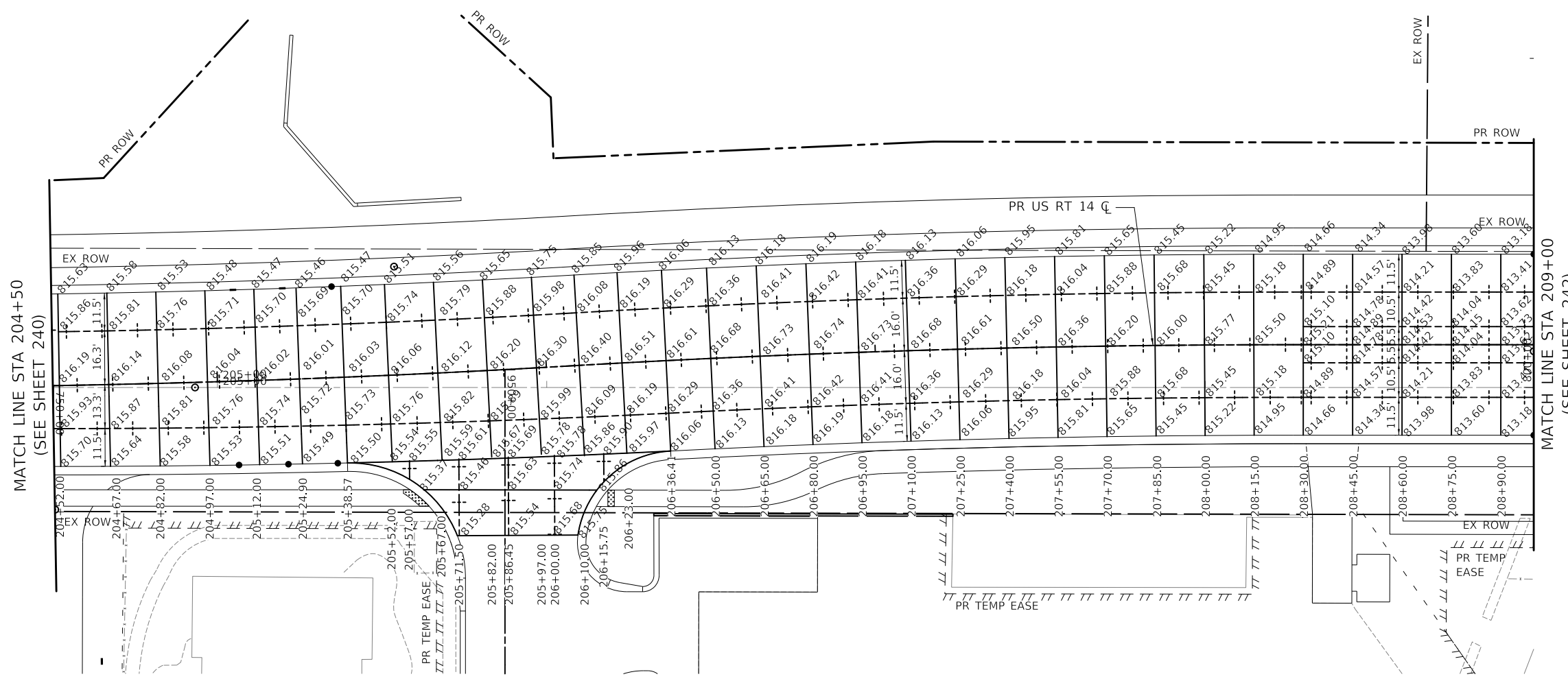
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	240
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +--- PAVEMENT JOINT - SAWED
- +--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MATCH LINE STA 204+50
(SEE SHEET 240)

MATCH LINE STA 209+00
(SEE SHEET 242)

MODEL: \\MODELNAME
FILE: \\NAME_0310187-2-11-2024.dwg

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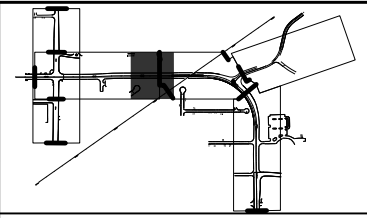
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PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14
PAVEMENT JOINT PLAN**

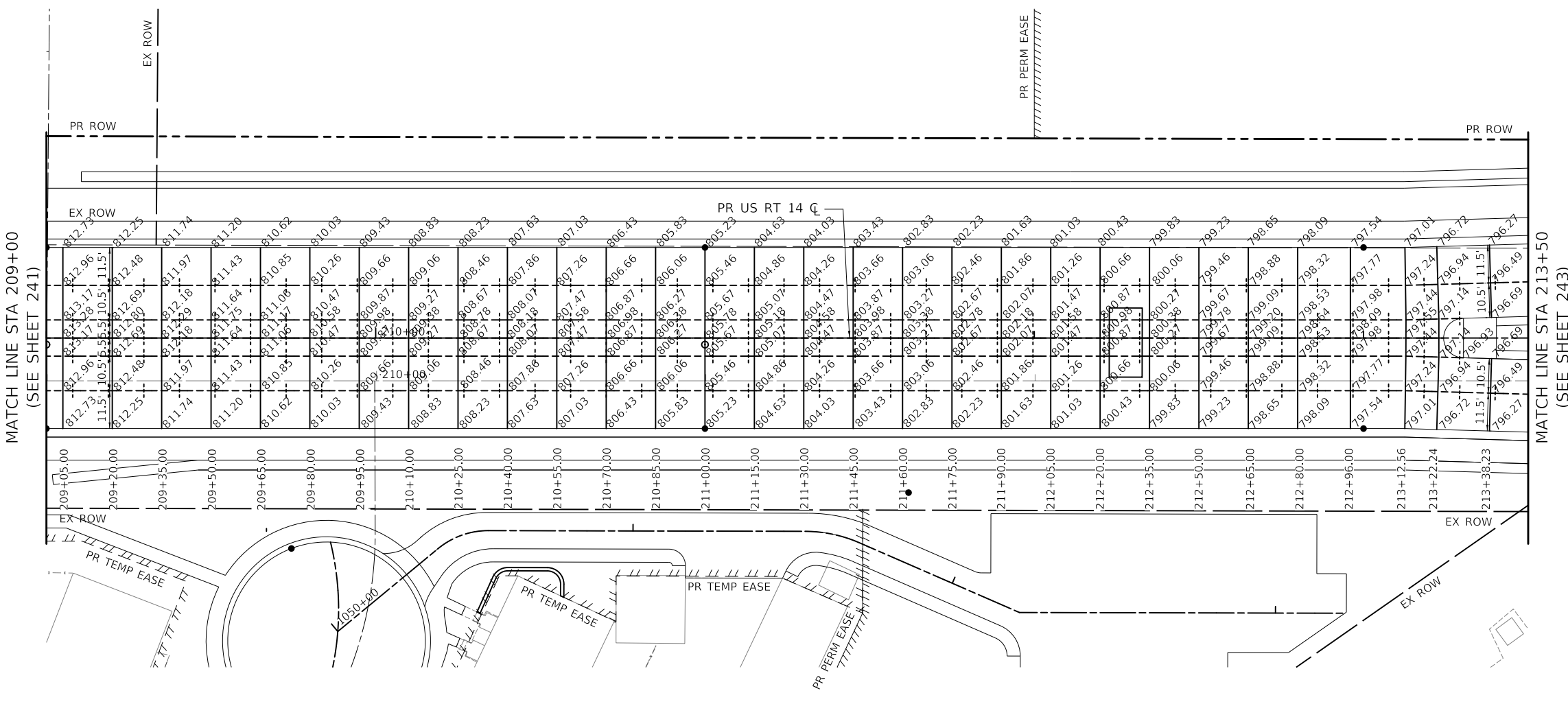
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	241
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +---+--- PAVEMENT JOINT - SAWED
- +---+--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MATCH LINE STA 209+00
(SEE SHEET 241)

MATCH LINE STA 213+50
(SEE SHEET 243)

MODEL: \\MODELNAME
FILE: \\NAME_0310187-2-10-civiltech-03.dgn

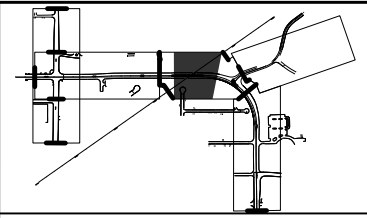
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PLOT SCALE = 40.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

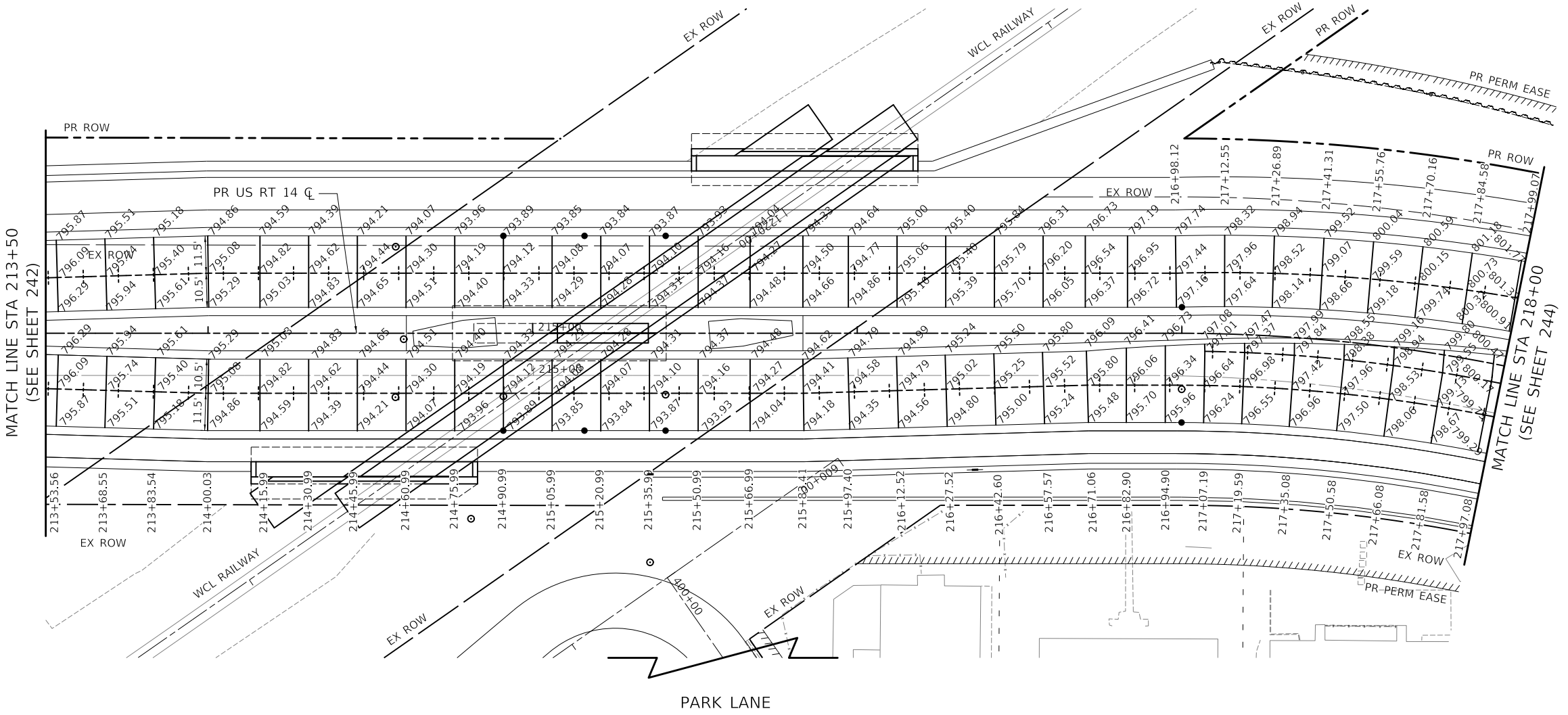
US ROUTE 14 PAVEMENT JOINT PLAN	
SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 242
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +---+--- PAVEMENT JOINT - SAWED
- +---+--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MATCH LINE STA 213+50
(SEE SHEET 242)

MATCH LINE STA 218+00
(SEE SHEET 244)

MODEL: \\MODEL\NAME
FILE: \\NAME: 03101872-rtcpavjoint.dwg

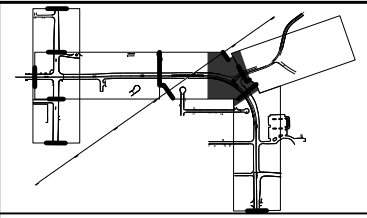
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USER NAME = mc	DESIGNED - NEM	REVISED -
DRAWN - MC	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

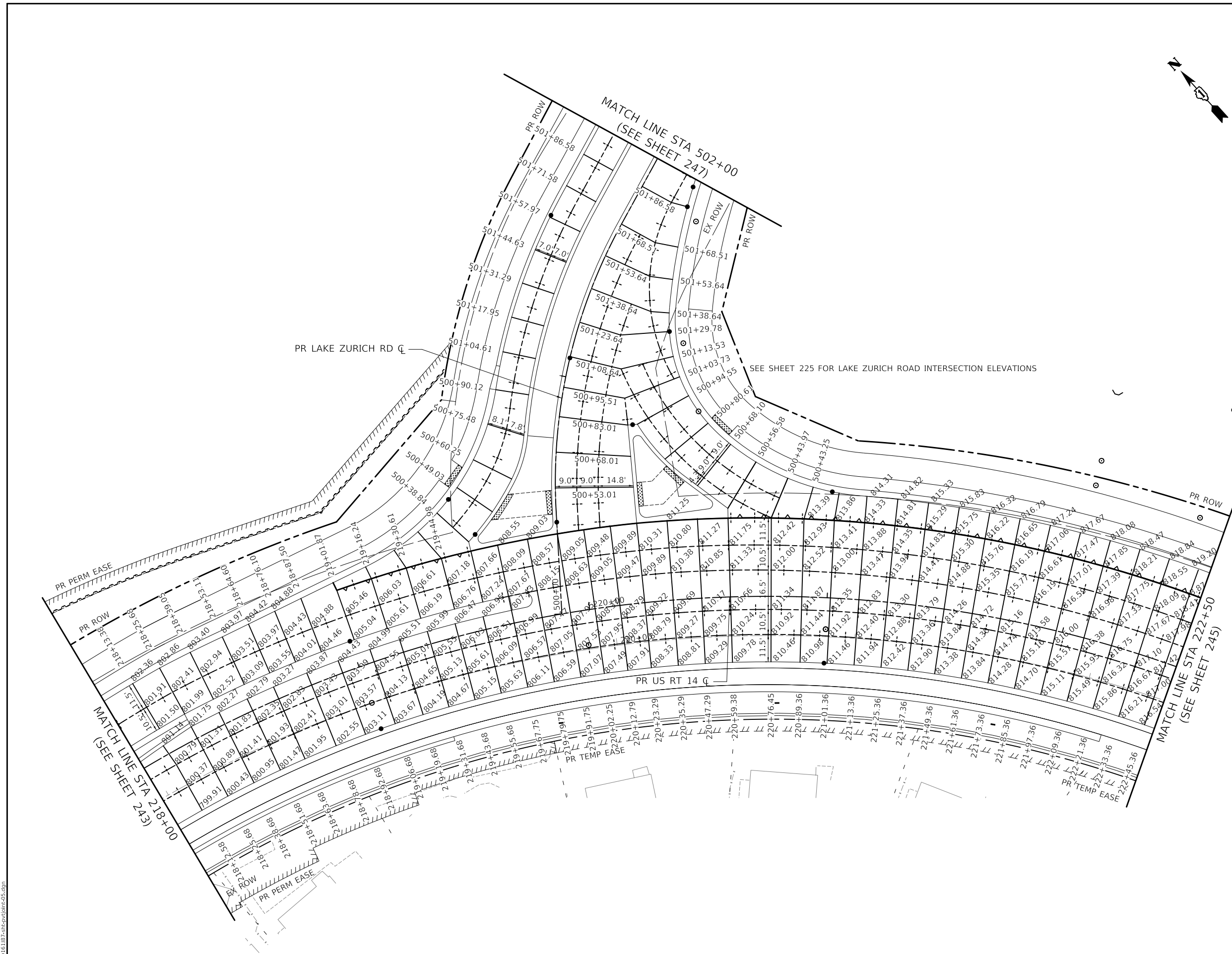
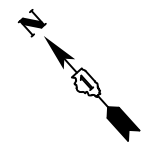
US ROUTE 14 PAVEMENT JOINT PLAN			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	243
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +--- PAVEMENT JOINT - SAWED
- +--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MODEL: \\MODELNAME
 FILE: \\NAME_03101872-01000000.dwg

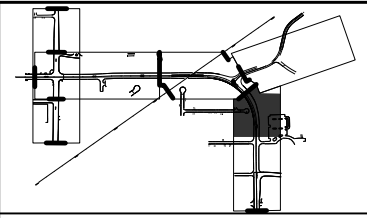
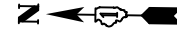
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USER NAME = mc	DESIGNED - NEM	REvised -
PLOT SCALE = 40.0000' / in.	DRAWN - MC	REvised -
PLOT DATE = 8/28/2024	CHECKED - DNM	REvised -
	DATE - 08/28/2024	REvised -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

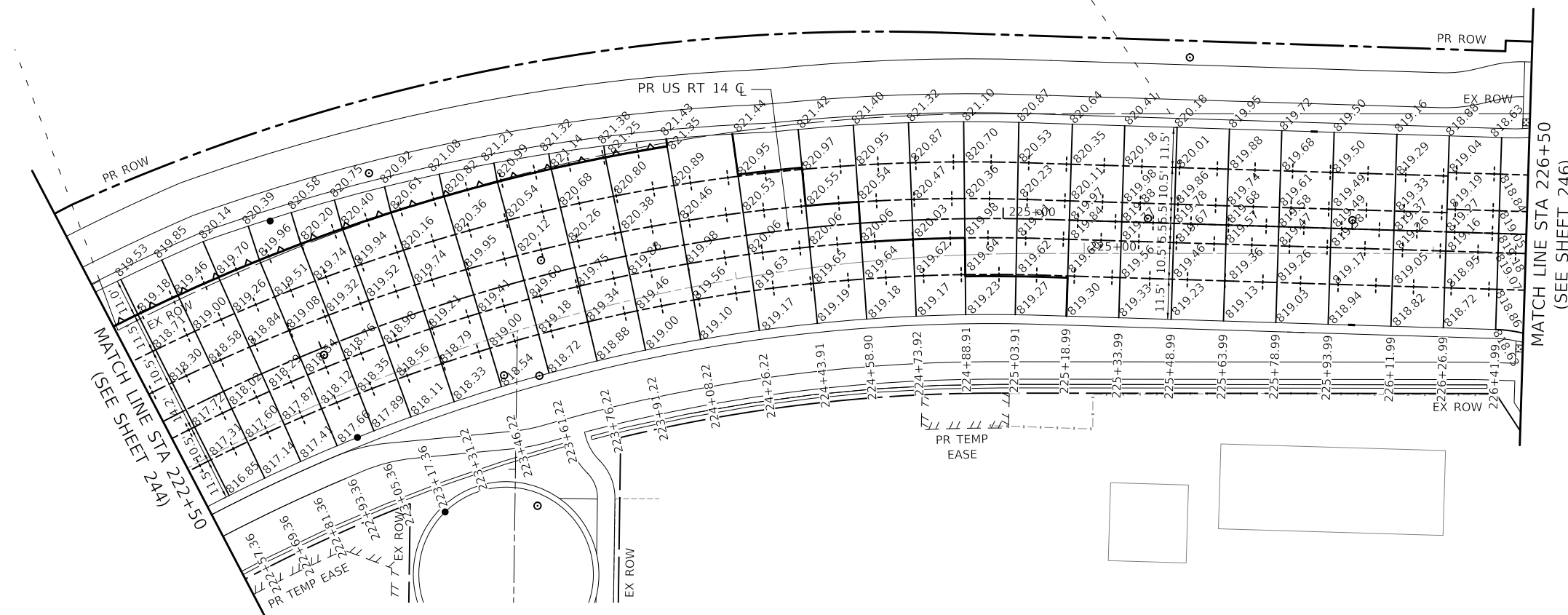
US ROUTE 14	
PAVEMENT JOINT PLAN	
SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	244
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +---+ PAVEMENT JOINT - SAWED
- +---+ PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MATCH LINE STA 222+50
(SEE SHEET 244)

MATCH LINE STA 226+50
(SEE SHEET 246)

MODEL: \\MODEL\NAME
 FILE: \\NAME\...1031037-2\pc\pavjoint_06.dgn

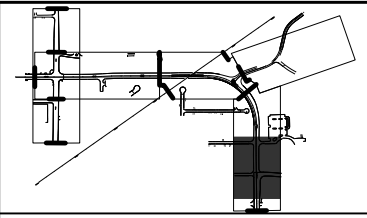
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USER NAME = mc	DESIGNED - NEM	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION

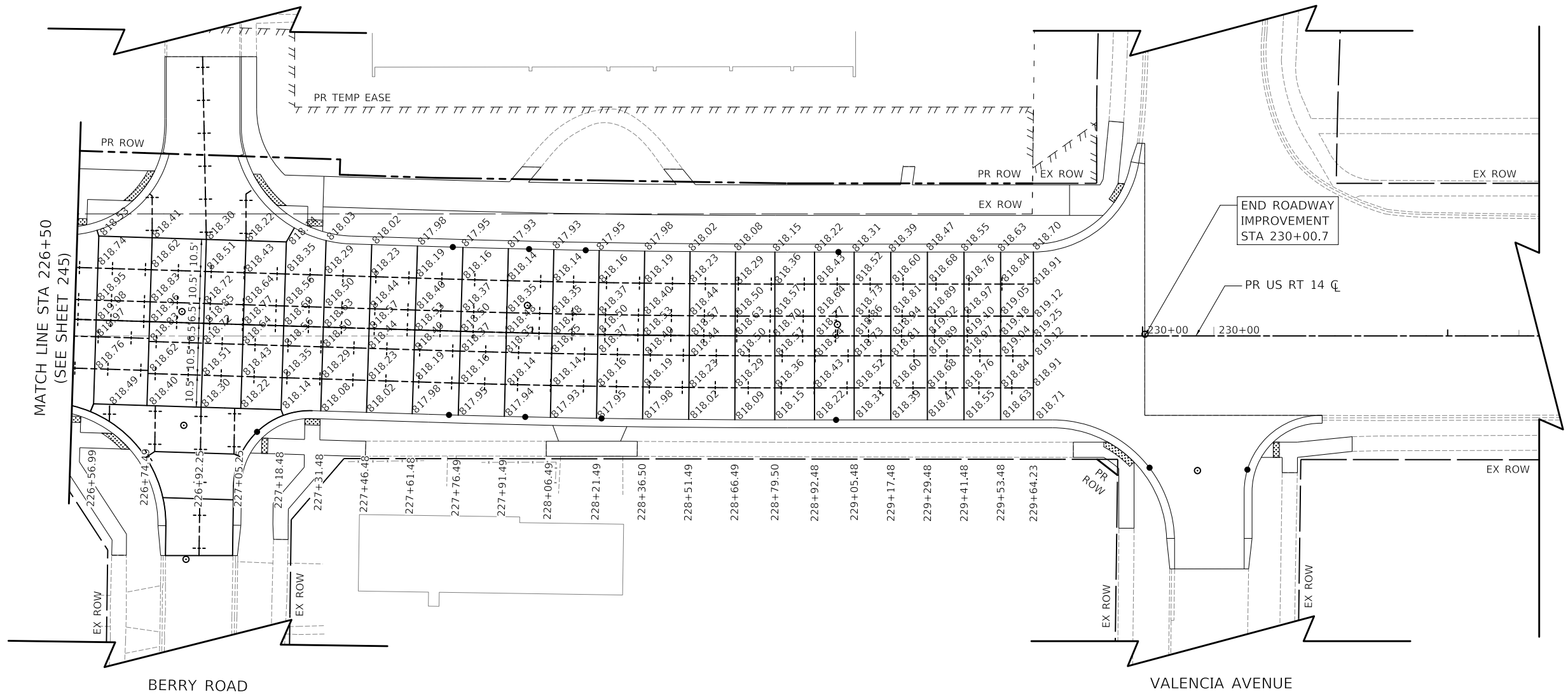
US ROUTE 14 PAVEMENT JOINT PLAN			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	245
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +--- PAVEMENT JOINT - SAWED
- +--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MODEL: \\MODELNAME
 FILE: \\NAME_03101872-rtcpavjoint-07.dgn


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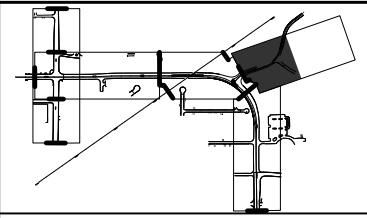
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PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14
PAVEMENT JOINT PLAN

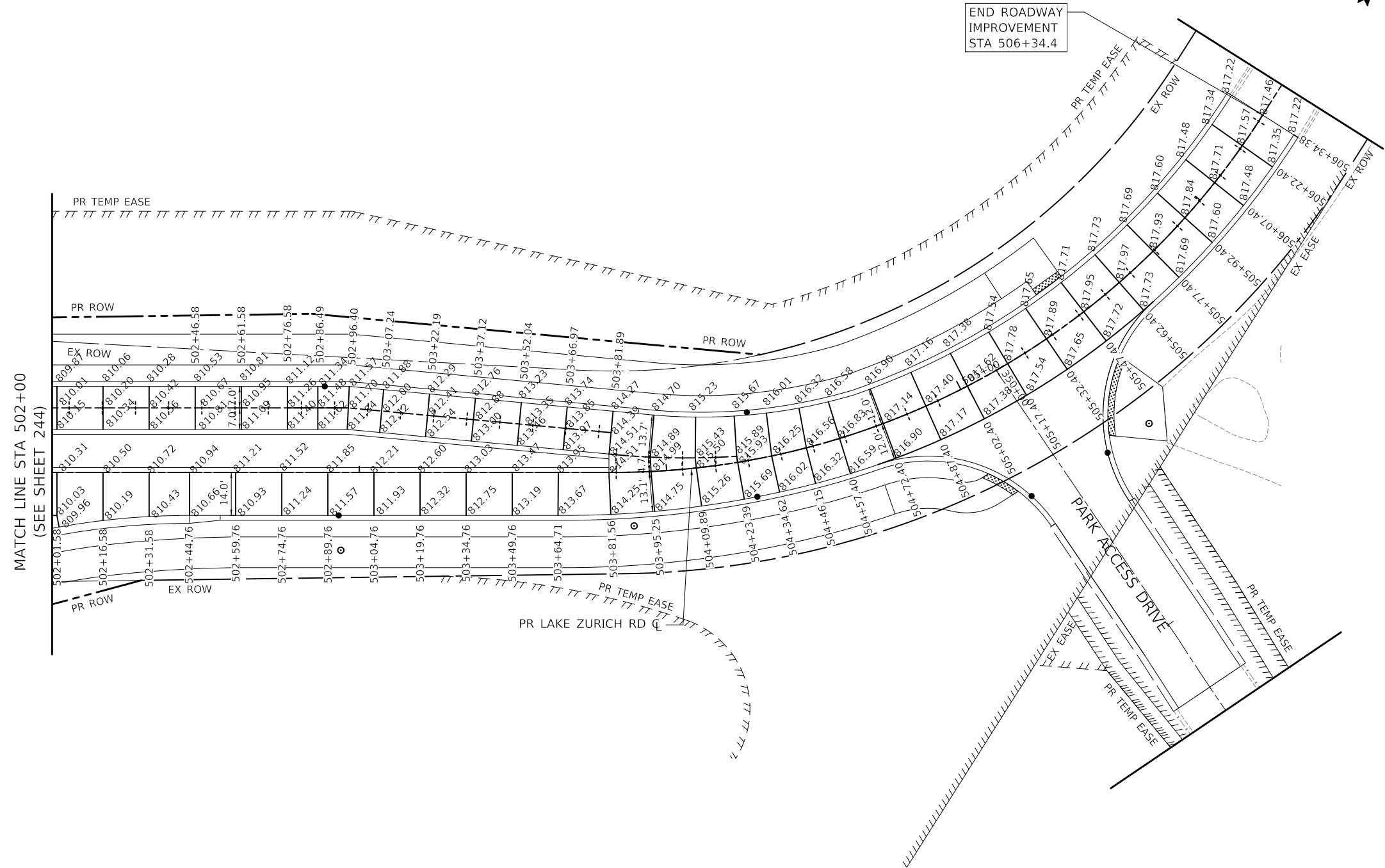
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	246
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



PAVEMENT JOINT LEGEND

- +--- PAVEMENT JOINT - SAWED
- +--- PAVEMENT JOINT - KEYED
- PAVEMENT JOINT
- (XX.XXX) EXISTING SPOT ELEVATION
- XX.XXX PROPOSED SPOT ELEVATION



MATCH LINE STA 502+00
(SEE SHEET 244)

END ROADWAY
IMPROVEMENT
STA 506+34.4

PARK ACCESS DRIVE

PR LAKE ZURICH RD

MODEL: \\MODELNAME
FILE: \\NAME: 03101872-rlc\pavjoint-08.dgn

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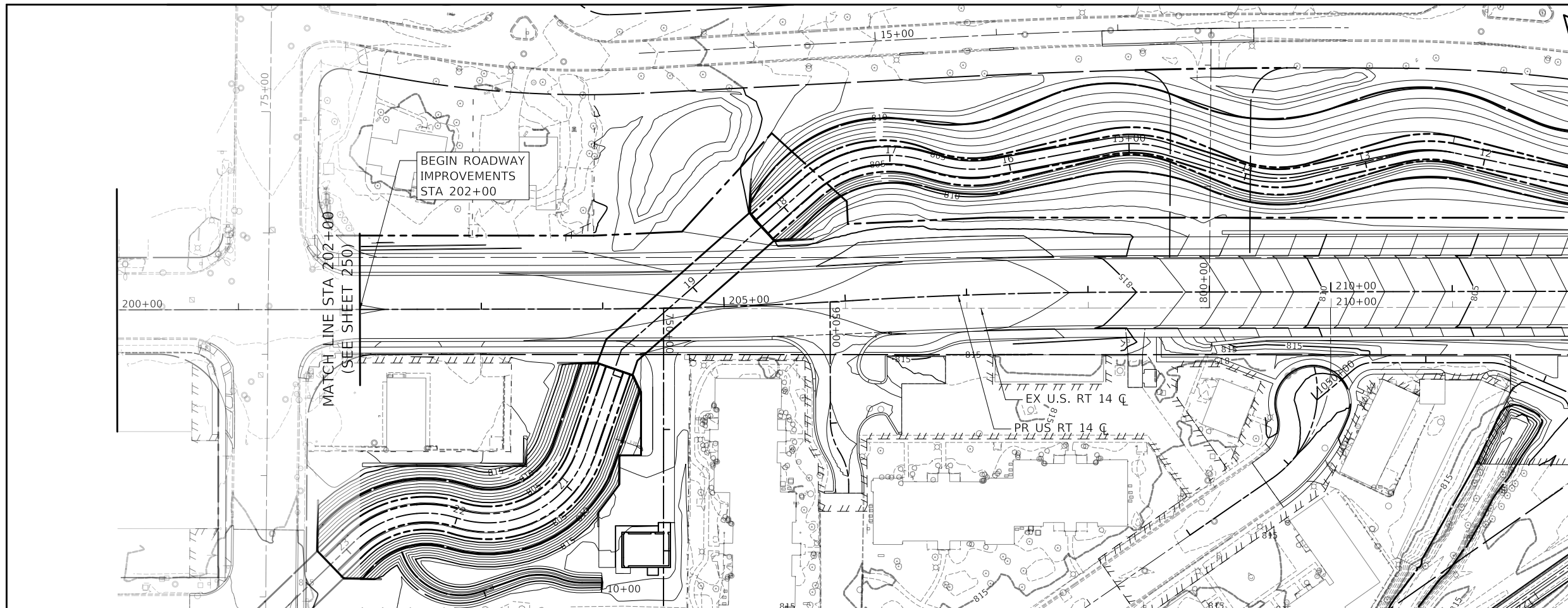
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PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LAKE ZURICH ROAD
PAVEMENT JOINT PLAN**

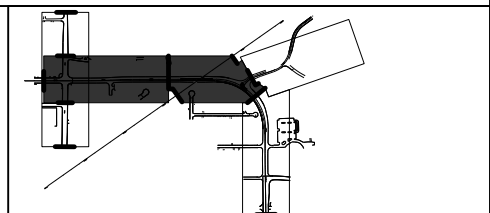
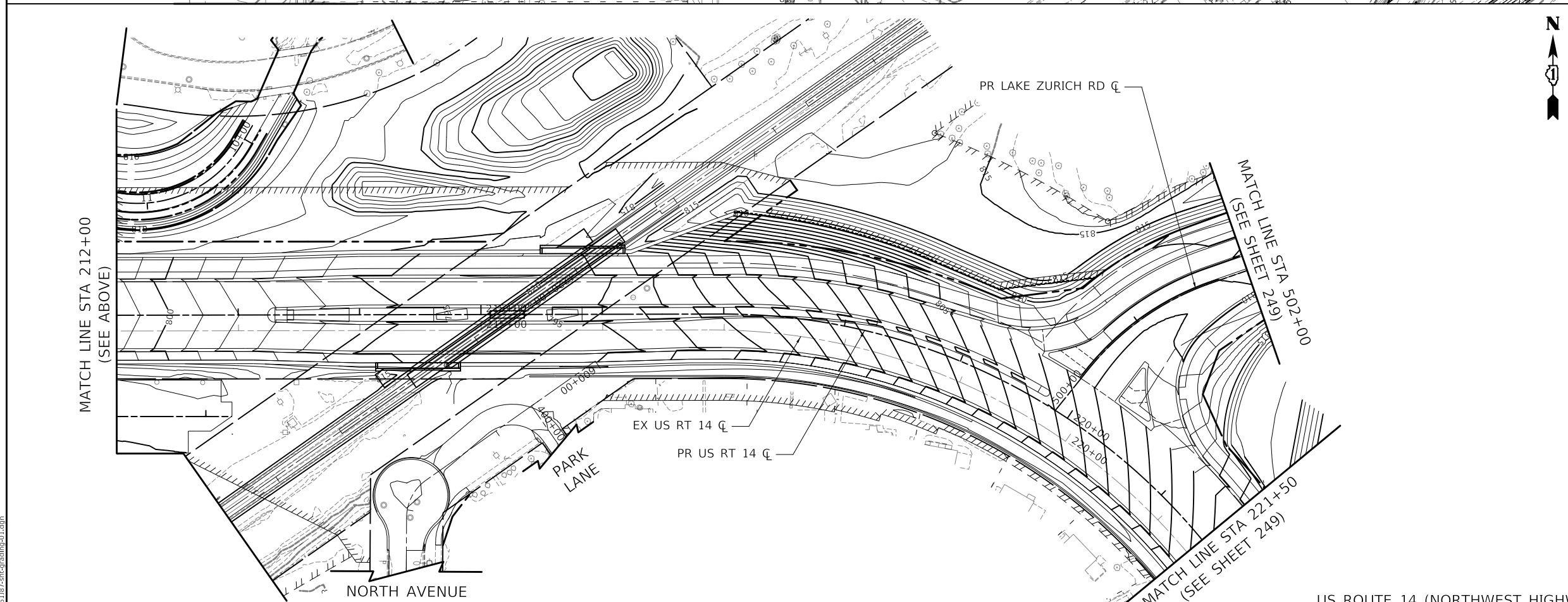
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	247
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 212+00
(SEE BELOW)

US ROUTE 14 (NORTHWEST HIGHWAY)



GRADING LEGEND

- EXISTING MINOR CONTOUR
- 815- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 815- PROPOSED MAJOR CONTOUR
- 1:2 SLOPE NOTATION

US ROUTE 14 (NORTHWEST HIGHWAY)

MODEL: \\MODEL\NAME
FILE: \\NAME: 03161872-rt-grading-01.dgn

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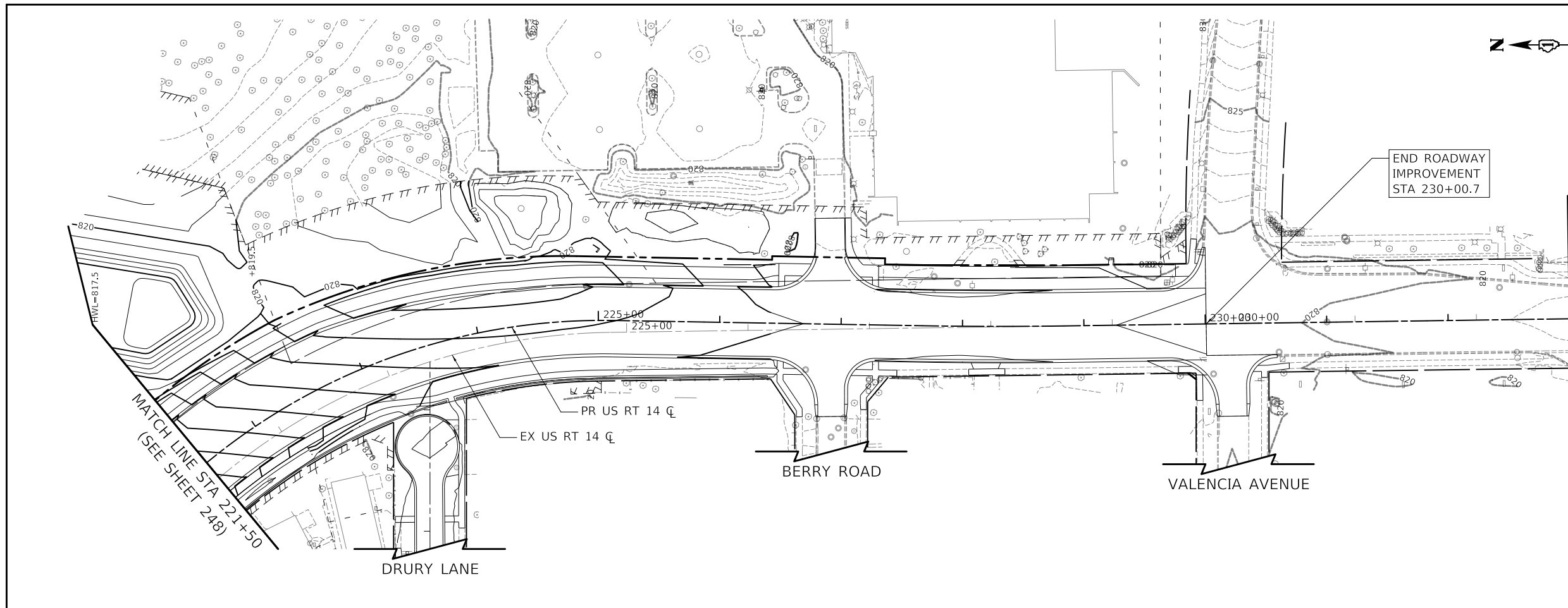
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PLOT SCALE = 100,0000' / in.	DRAWN - MC	REVISED -
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	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

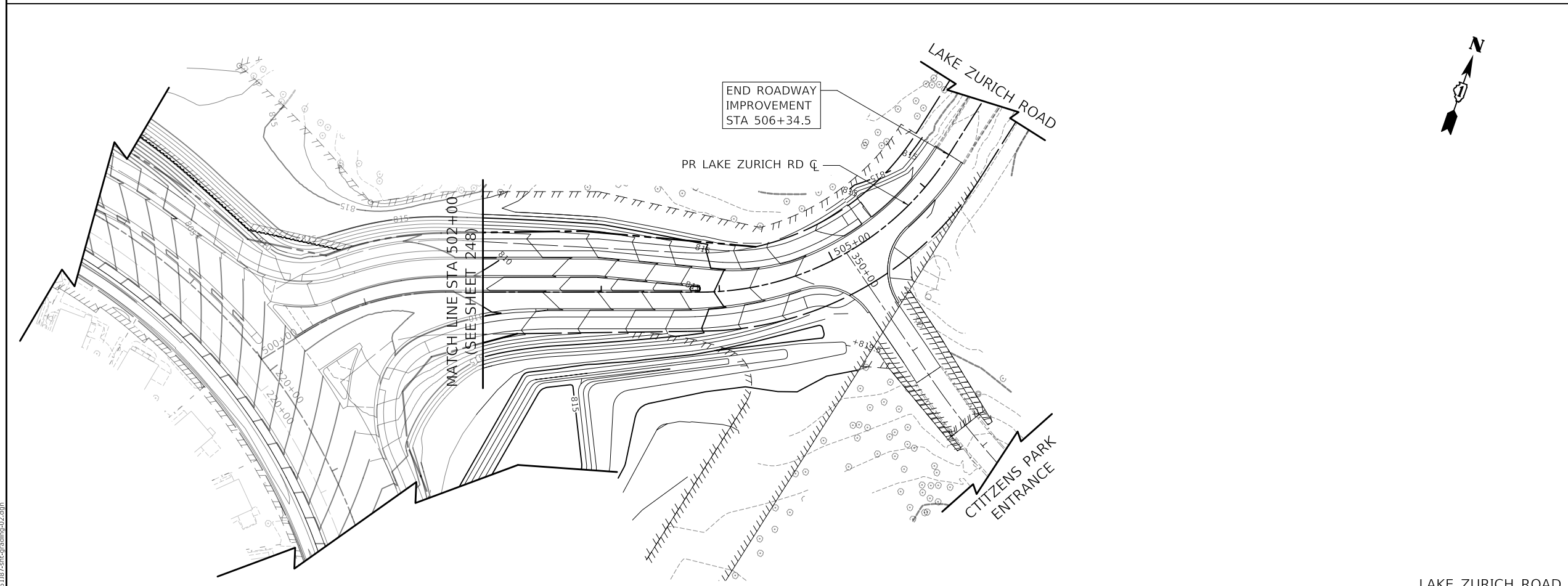
**US ROUTE 14
GRADING PLAN**

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

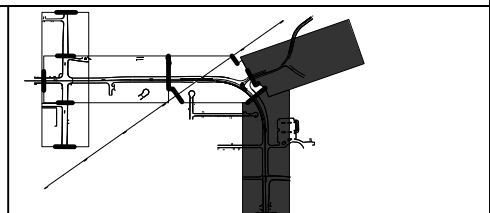
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	248
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



US ROUTE 14 (NORTHWEST HIGHWAY)



LAKE ZURICH ROAD



GRADING LEGEND

- EXISTING MINOR CONTOUR
- 815--- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 815--- PROPOSED MAJOR CONTOUR
- ▽ SLOPE NOTATION

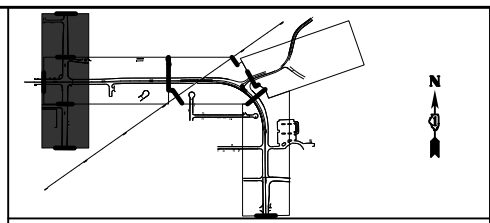
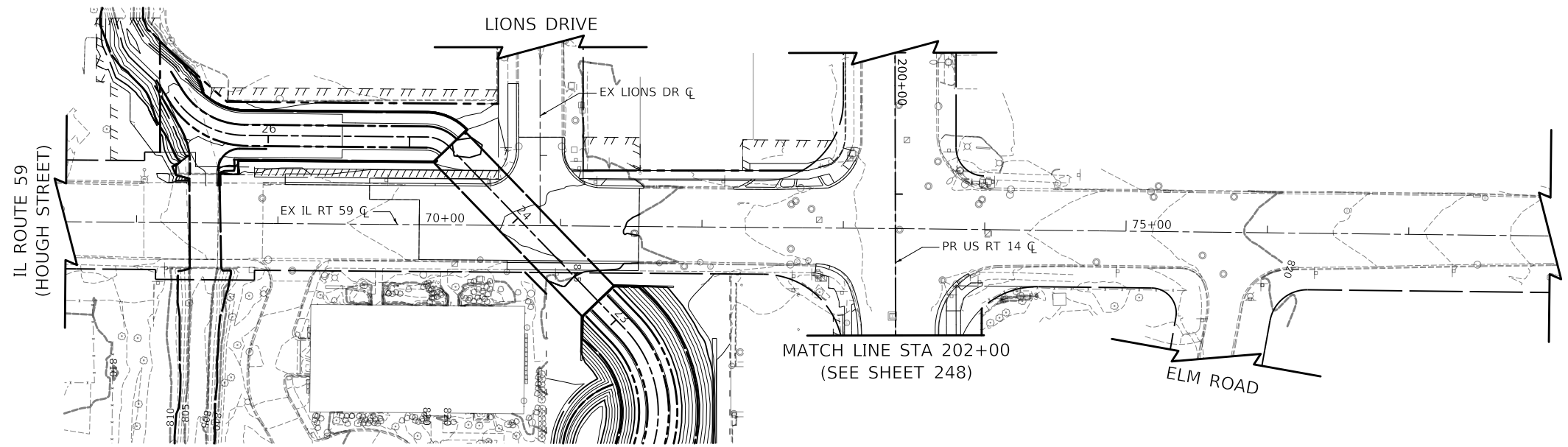
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	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	USER NAME = mc PLOT SCALE = 100.0000' / in. PLOT DATE = 8/28/2024	DESIGNED - NEM DRAWN - MC CHECKED - DNM DATE - 08/28/2024	REVISED - REVISED - REVISED - REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 AND LAKE ZURICH ROAD GRADING PLAN			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	249
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



GRADING LEGEND

- EXISTING MINOR CONTOUR
- 815— EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 815— PROPOSED MAJOR CONTOUR
- 1:2 SLOPE NOTATION

IL ROUTE 59 (HOUGH STREET)

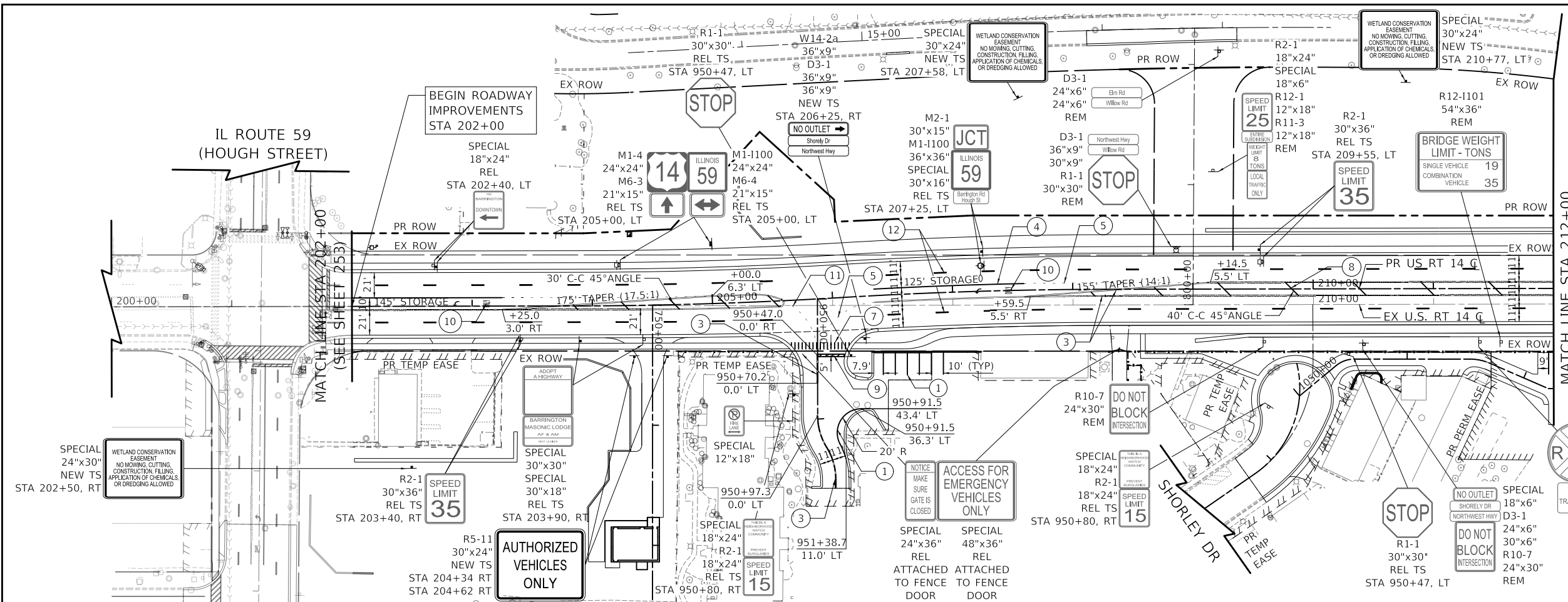
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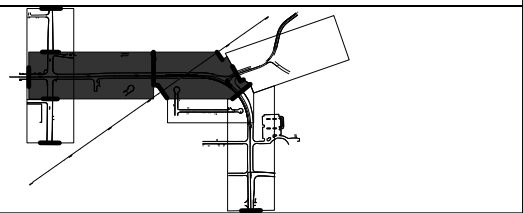
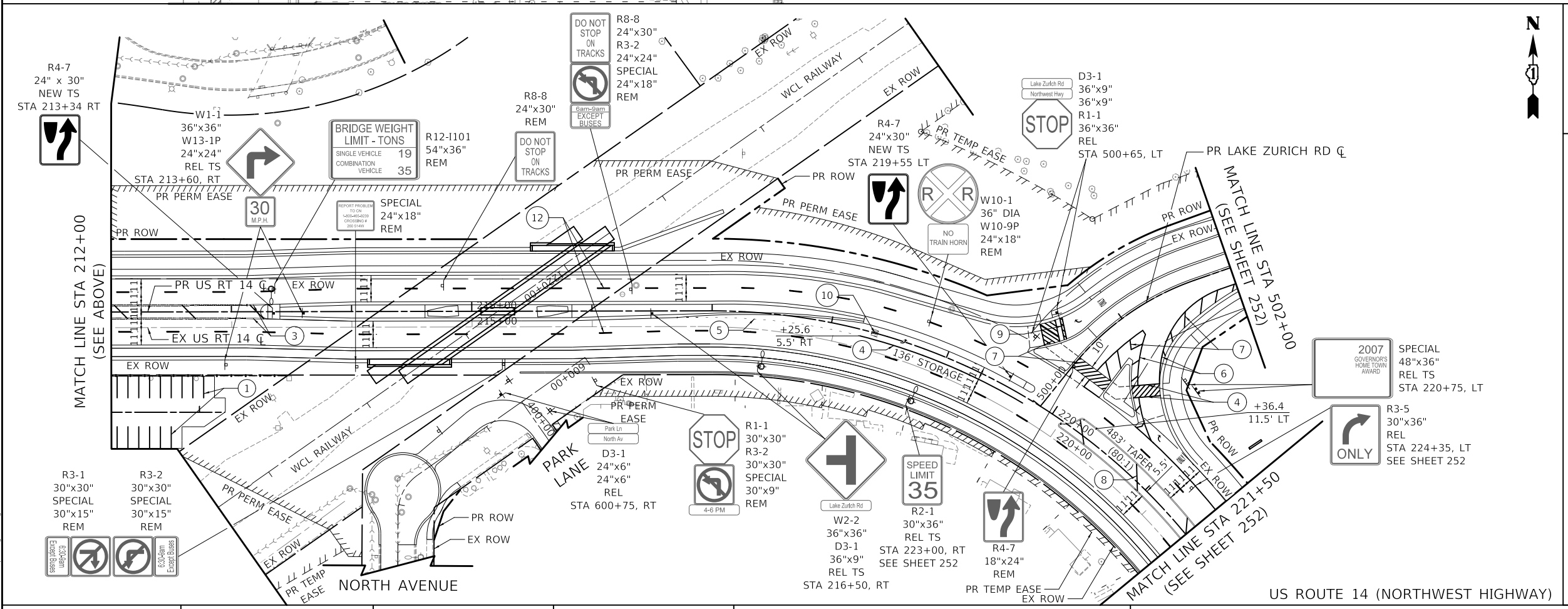
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	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 59 GRADING PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		338	11-00087-00-GS	LAKE	816	250
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61J87 ILLINOIS FED. AID PROJECT				



- NOTES**
1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HMA PAVEMENTS.
 2. MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED FOR ALL EDGE LINE, GORE LINES, DIAGONALS, AND LETTERS AND SYMBOLS ON PCC PAVEMENTS.
 3. GROOVED PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENTS.



- PAVEMENT MARKING AND SIGNING LEGEND**
- EX SIGN
 - SIGN ATTACHED TO POLE
 - SIGN ATTACHED TO TRAFFIC SIGNAL
 - PR SIGN
 - PR SIGN ATTACHED TO TRAFFIC SIGNAL
 - REM REMOVE SIGN PANEL ASSEMBLY
 - REL RELOCATE SIGN PANEL ASSEMBLY
 - REL TS RELOCATE SIGN PANEL ASSEMBLY TELESCOPING STEEL SIGN SUPPORT
 - NEW SIGN PANEL
 - NEW TS SIGN PANEL TELESCOPING STEEL SIGN SUPPORT
- ① 4" WHITE
 - ② 4" WHITE (10' DASH - 30' SKIP)
 - ③ 2 - 4" YELLOW AT 11" C-C
 - ④ 6" WHITE
 - ⑤ 6" WHITE (2' DASH - 6' SKIP)
 - ⑥ 8" WHITE
 - ⑦ 12" WHITE
 - ⑧ 12" YELLOW
 - ⑨ 24" WHITE
 - ⑩ LETTERS AND SYMBOLS, WHITE
 - ⑪ 6" YELLOW (2' DASH - 6' SKIP)
 - ⑫ 7" PREFORMED MARKING (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH - 30' SKIP) (GROOVED)

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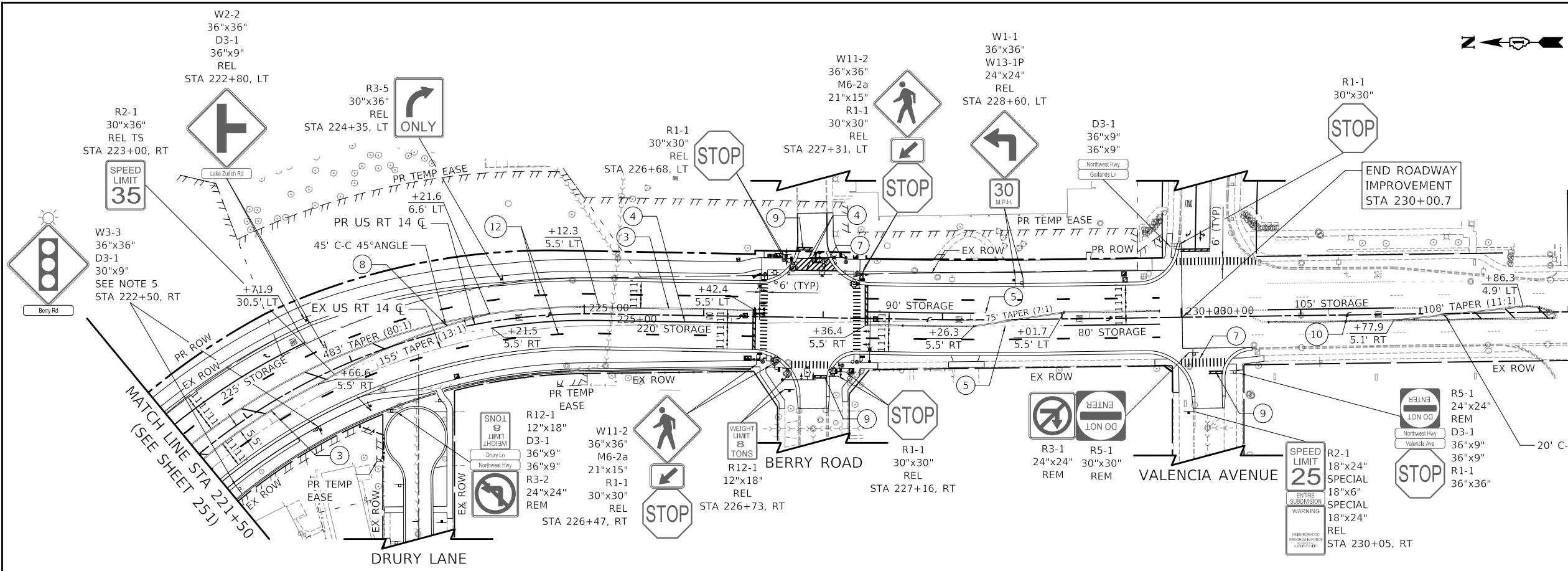
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PLOT SCALE = 100,0000' / in.	DRAWN - MC	REVISED -
PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
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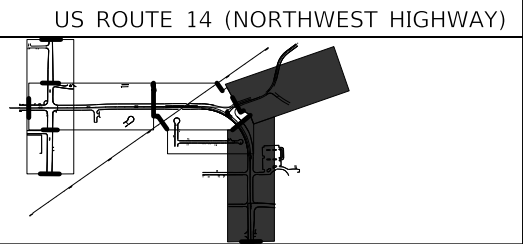
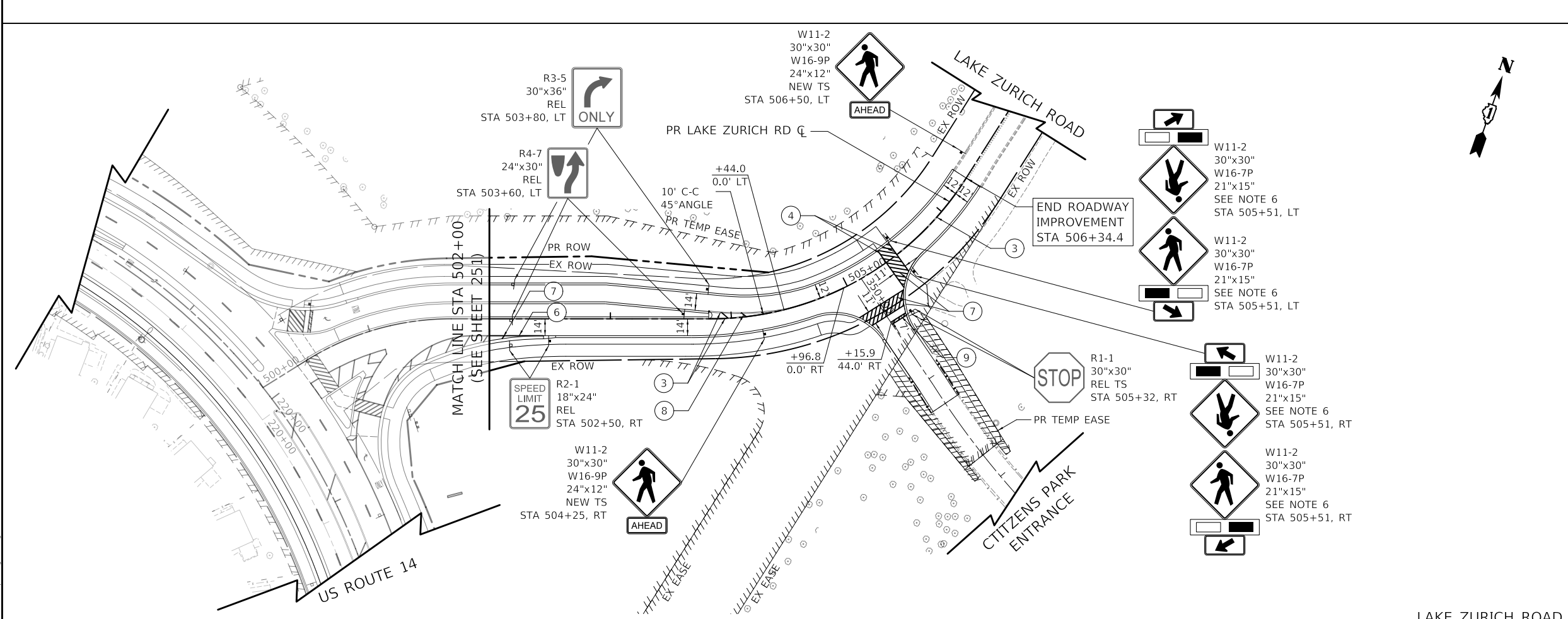
**US ROUTE 14
 PAVEMENT MARKING AND SIGNING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	251
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



- NOTES**
1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HMA PAVEMENTS.
 2. MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED FOR ALL EDGE LINE, GORE LINES, DIAGONALS, AND LETTERS AND SYMBOLS ON PCC PAVEMENTS.
 3. GROOVED PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENTS.
 4. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
 5. W3-3 SIGN PAID FOR AS RELOCATE EXISTING FLASHING BEACON. D3-1 SIGN PAID FOR AS SIGN PANEL - TYPE 1. POST PAID FOR AS WOOD SIGN SUPPORT. FOR INSTALLATION DETAILS SEE SHEETS 669 AND 670
 6. PAID FOR AS RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE). FOR RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM DETAIL SEE SHEET 254



PAVEMENT MARKING AND SIGNING LEGEND

- EX SIGN
- SIGN ATTACHED TO POLE
- SIGN ATTACHED TO TRAFFIC SIGNAL
- PR SIGN
- PR SIGN ATTACHED TO TRAFFIC SIGNAL
- REM REMOVE SIGN PANEL ASSEMBLY
- REL REMOVE SIGN PANEL ASSEMBLY
- REL TS REMOVE SIGN PANEL ASSEMBLY TELESCOPING STEEL SIGN SUPPORT
- NEW SIGN PANEL
- NEW TS SIGN PANEL TELESCOPING STEEL SIGN SUPPORT

① 4" WHITE
 ② 4" WHITE (10' DASH - 30' SKIP)
 ③ 2 - 4" YELLOW AT 11" C-C
 ④ 6" WHITE
 ⑤ 6" WHITE (2' DASH - 6' SKIP)
 ⑥ 8" WHITE
 ⑦ 12" WHITE
 ⑧ 12" YELLOW
 ⑨ 24" WHITE
 ⑩ LETTERS AND SYMBOLS, WHITE
 ⑪ 6" YELLOW (2' DASH - 6' SKIP)
 ⑫ 7" PREFORMED MARKING (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH - 30' SKIP) (GROOVED)

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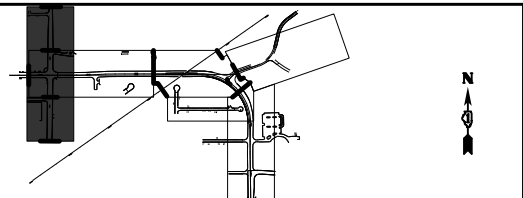
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	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14 AND LAKE ZURICH ROAD
 PAVEMENT MARKING AND SIGNING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	252
CONTRACT NO. 61J87				
ILLINOIS		FED. AID PROJECT		

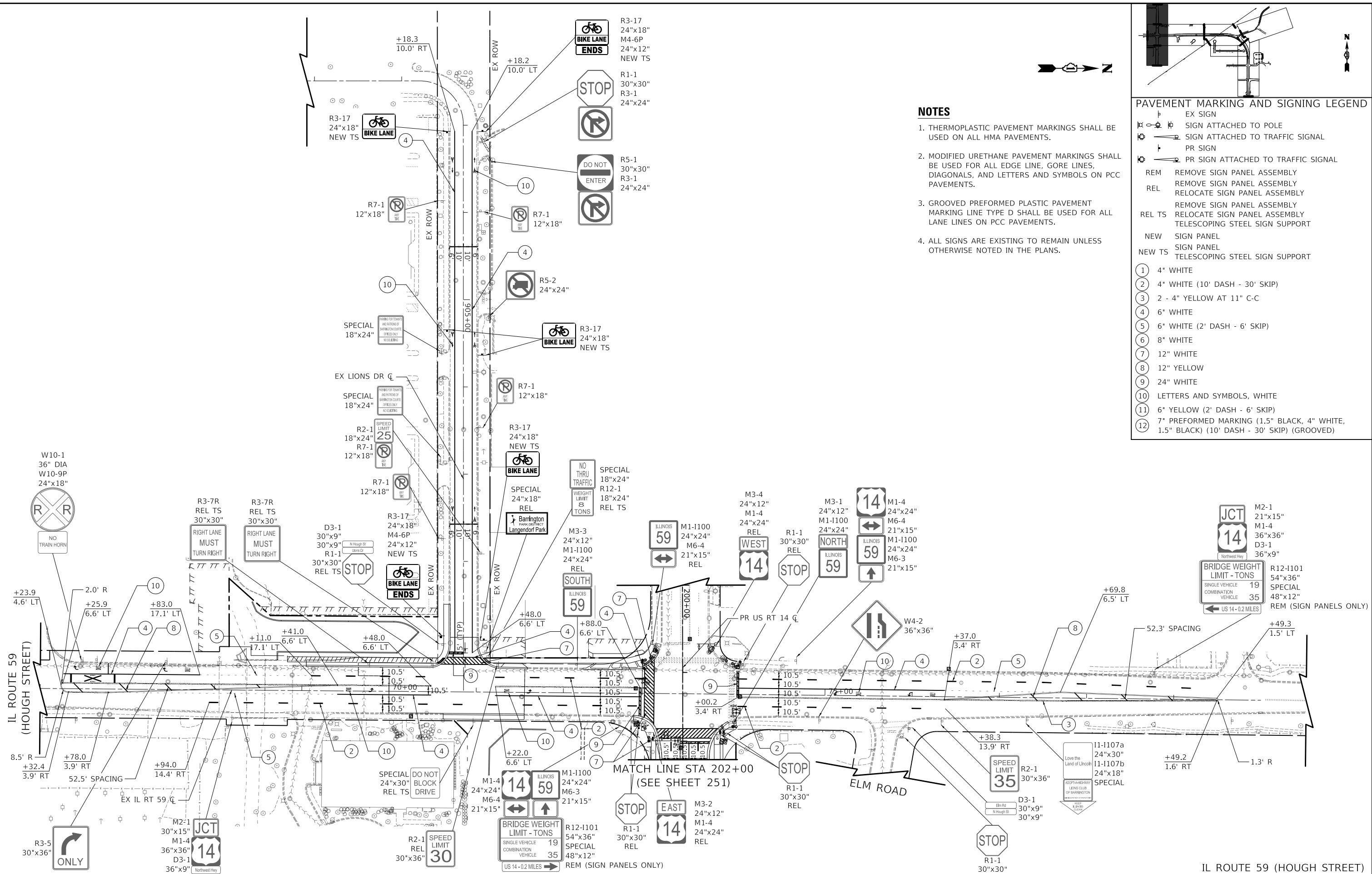


PAVEMENT MARKING AND SIGNING LEGEND

- EX SIGN
 - SIGN ATTACHED TO POLE
 - SIGN ATTACHED TO TRAFFIC SIGNAL
 - PR SIGN
 - PR SIGN ATTACHED TO TRAFFIC SIGNAL
 - REM REMOVE SIGN PANEL ASSEMBLY
 - REL REMOVE SIGN PANEL ASSEMBLY
 - REL TS RELOCATE SIGN PANEL ASSEMBLY
 - REL TS RELOCATE SIGN PANEL ASSEMBLY
 - REL TS TELESCOPING STEEL SIGN SUPPORT
 - NEW SIGN PANEL
 - NEW TS SIGN PANEL
 - NEW TS TELESCOPING STEEL SIGN SUPPORT
- ① 4" WHITE
 - ② 4" WHITE (10' DASH - 30' SKIP)
 - ③ 2 - 4" YELLOW AT 11" C-C
 - ④ 6" WHITE
 - ⑤ 6" WHITE (2' DASH - 6' SKIP)
 - ⑥ 8" WHITE
 - ⑦ 12" WHITE
 - ⑧ 12" YELLOW
 - ⑨ 24" WHITE
 - ⑩ LETTERS AND SYMBOLS, WHITE
 - ⑪ 6" YELLOW (2' DASH - 6' SKIP)
 - ⑫ 7" PREFORMED MARKING (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH - 30' SKIP) (GROOVED)

NOTES

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HMA PAVEMENTS.
2. MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED FOR ALL EDGE LINE, GORE LINES, DIAGONALS, AND LETTERS AND SYMBOLS ON PCC PAVEMENTS.
3. GROOVED PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENTS.
4. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

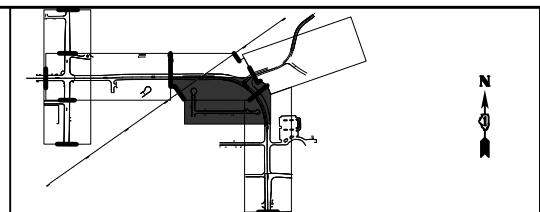
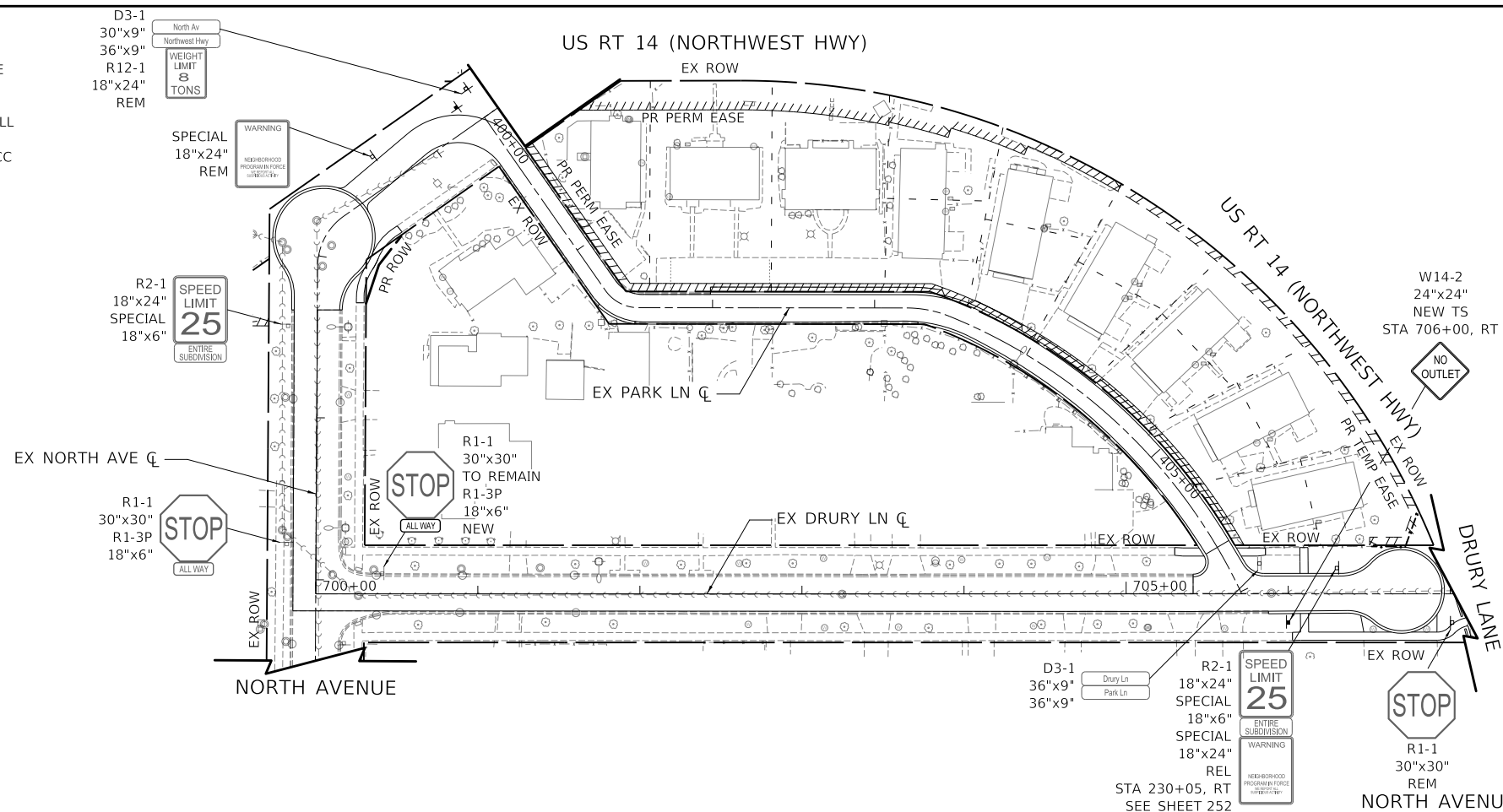
IL ROUTE 59	
PAVEMENT MARKING AND SIGNING PLAN	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	253
CONTRACT NO. 61J87				
ILLINOIS		FED. AID PROJECT		

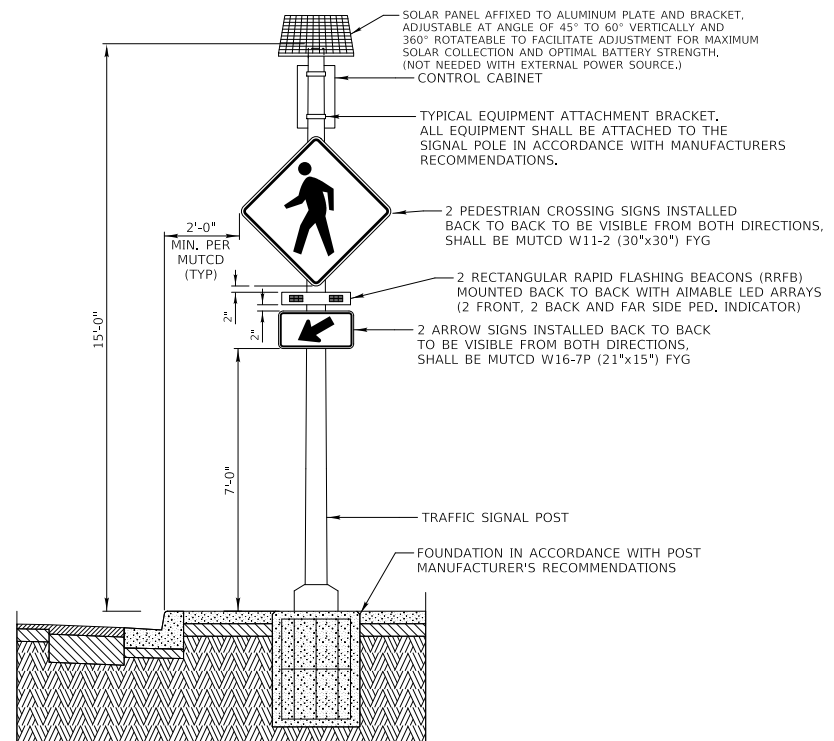
IL ROUTE 59 (HOUGH STREET)

NOTES

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HMA PAVEMENTS.
2. MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED FOR ALL EDGE LINE, GORE LINES, DIAGONALS, AND LETTERS AND SYMBOLS ON PCC PAVEMENTS.
3. GROOVED PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENTS.
4. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.



PAVEMENT MARKING AND SIGNING LEGEND	
[Symbol]	EX SIGN
[Symbol]	SIGN ATTACHED TO POLE
[Symbol]	SIGN ATTACHED TO TRAFFIC SIGNAL
[Symbol]	PR SIGN
[Symbol]	PR SIGN ATTACHED TO TRAFFIC SIGNAL
REM	REMOVE SIGN PANEL ASSEMBLY
REL	REMOVE SIGN PANEL ASSEMBLY RELOCATE SIGN PANEL ASSEMBLY
REL TS	REMOVE SIGN PANEL ASSEMBLY RELOCATE SIGN PANEL ASSEMBLY TELESCOPING STEEL SIGN SUPPORT
NEW	SIGN PANEL
NEW TS	SIGN PANEL TELESCOPING STEEL SIGN SUPPORT
①	4" WHITE
②	4" WHITE (10' DASH - 30' SKIP)
③	2 - 4" YELLOW AT 11" C-C
④	6" WHITE
⑤	6" WHITE (2' DASH - 6' SKIP)
⑥	8" WHITE
⑦	12" WHITE
⑧	12" YELLOW
⑨	24" WHITE
⑩	LETTERS AND SYMBOLS, WHITE
⑪	6" YELLOW (2' DASH - 6' SKIP)
⑫	7" PREFORMED MARKING (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH - 30' SKIP) (GROOVED)



RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM DETAIL

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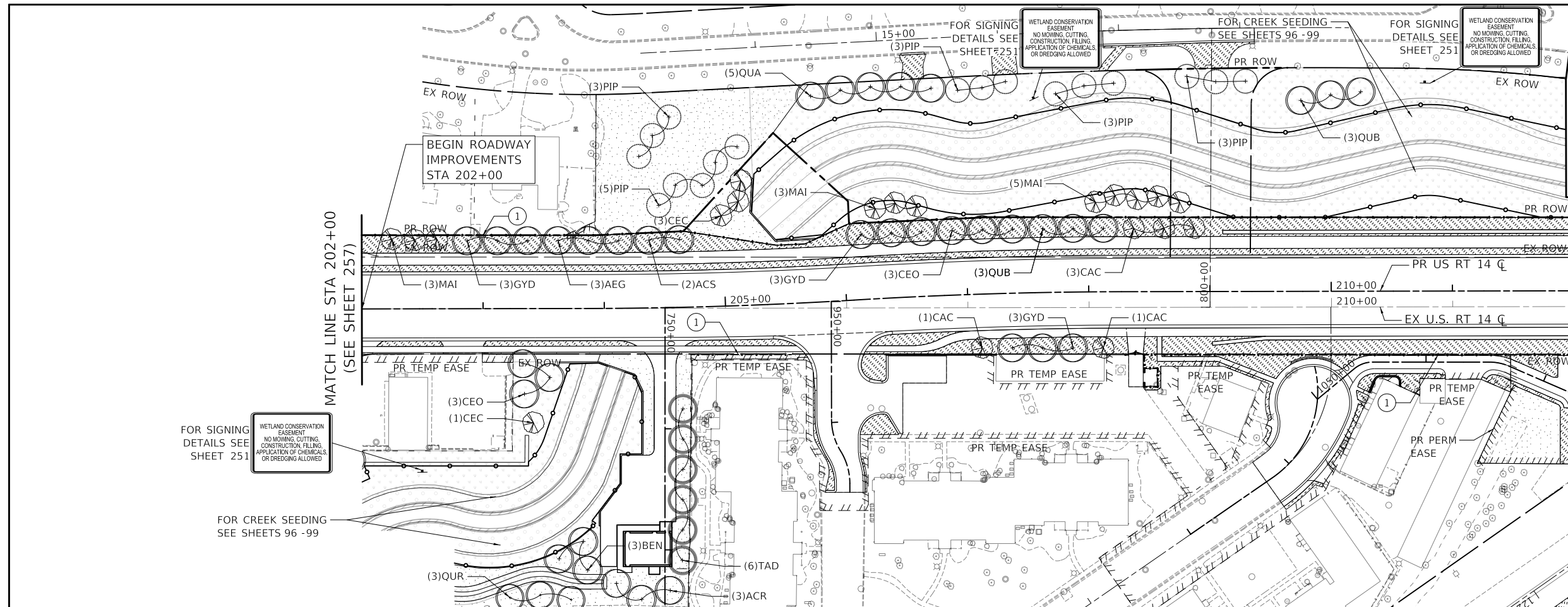
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	DRAWN - MC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

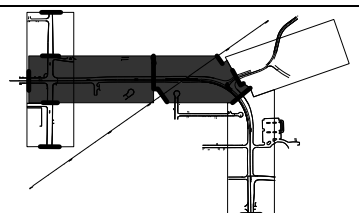
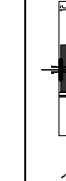
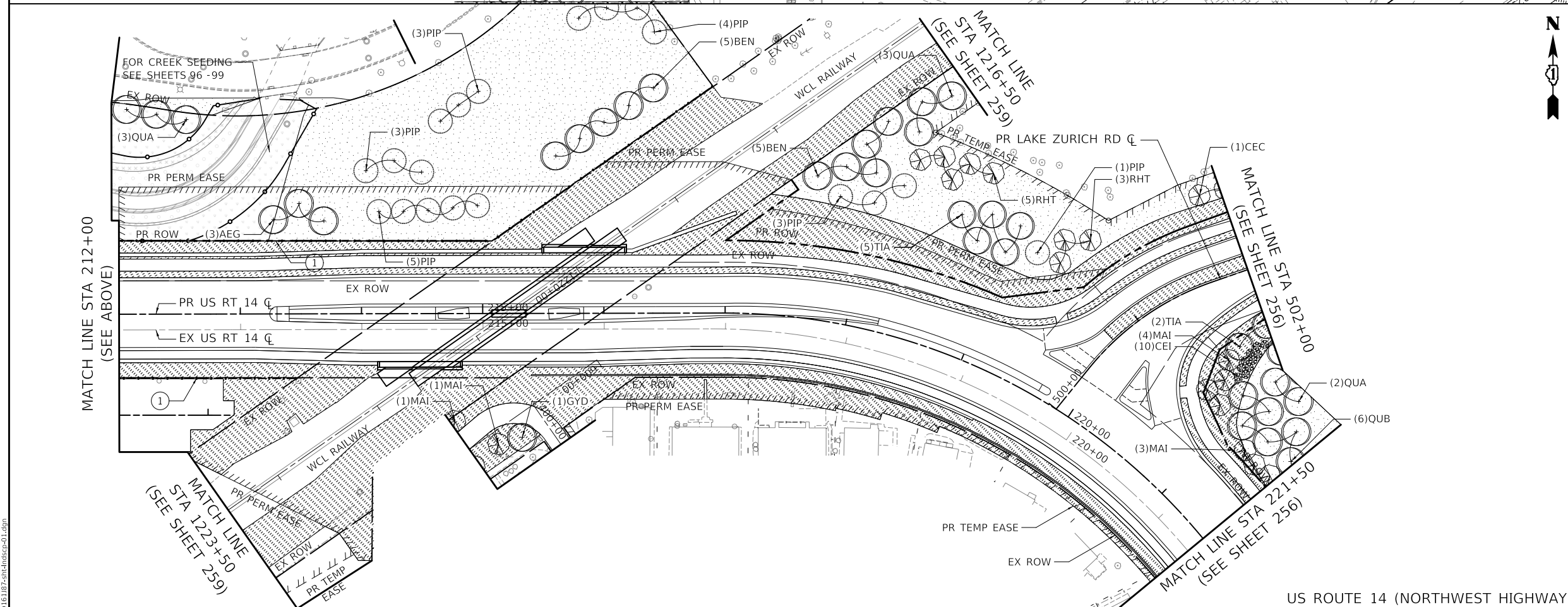
NORTH AVENUE AND DRURY LANE PAVEMENT MARKING AND SIGNING PLAN			
SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	254
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 212+00
(SEE BELOW)

US ROUTE 14 (NORTHWEST HIGHWAY)



LANDSCAPE LEGEND

	SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
	SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"
	SEEDING, CLASS 4B (SPECIAL) TOPSOIL FURNISH AND PLACE, 4"
	FENCE (SPECIAL)

TREES

ACR	ACER RUBRUM-RED MAPLE
ACS	ACER SACCHARUM - SUGAR MAPLE
AEG	AESCULUS GLABRA-OHIO BUCKEYE
AMX	AMELANCHIER X GRANDIFLORA
BEN	BETULA NIGRA-RIVER BIRCH
CAC	CARPINUS CAROLINIANA-AMERICAN HORNBEAM
CEC	CERCIS CANADENSIS - REDBUD
CEO	CELTIS OCCIDENTALIS-HACKBERRY
GYD	GYMNOCLADUS DIOICUS - COFFEETREE
MAI	MALUS IOENSIS - PRAIRIE ROSE CRABAPPLE
PIP	PICEA PUNGENS - BLUE SPRUCE
QUA	QUERCUS ALBA - WHITE OAK
QUB	QUERCUS BICOLOR - SWAMP WHITE OAK
QUR	QUERCUS RUBRA - RED OAK
TAD	TAXODIUM DISTICHUM - BALD CYPRESS
TIA	TILIA AMERICANA - AMERICAN LINDEN

SHRUBS

CEI	CEPHALANTHUS OCCIDENTALIS - BUTTONBUSH
ILG	ILEX GLABRA - INKBERRY
RHT	RHUS TYPHINA - STAGHORN SUMAC

US ROUTE 14 (NORTHWEST HIGHWAY)

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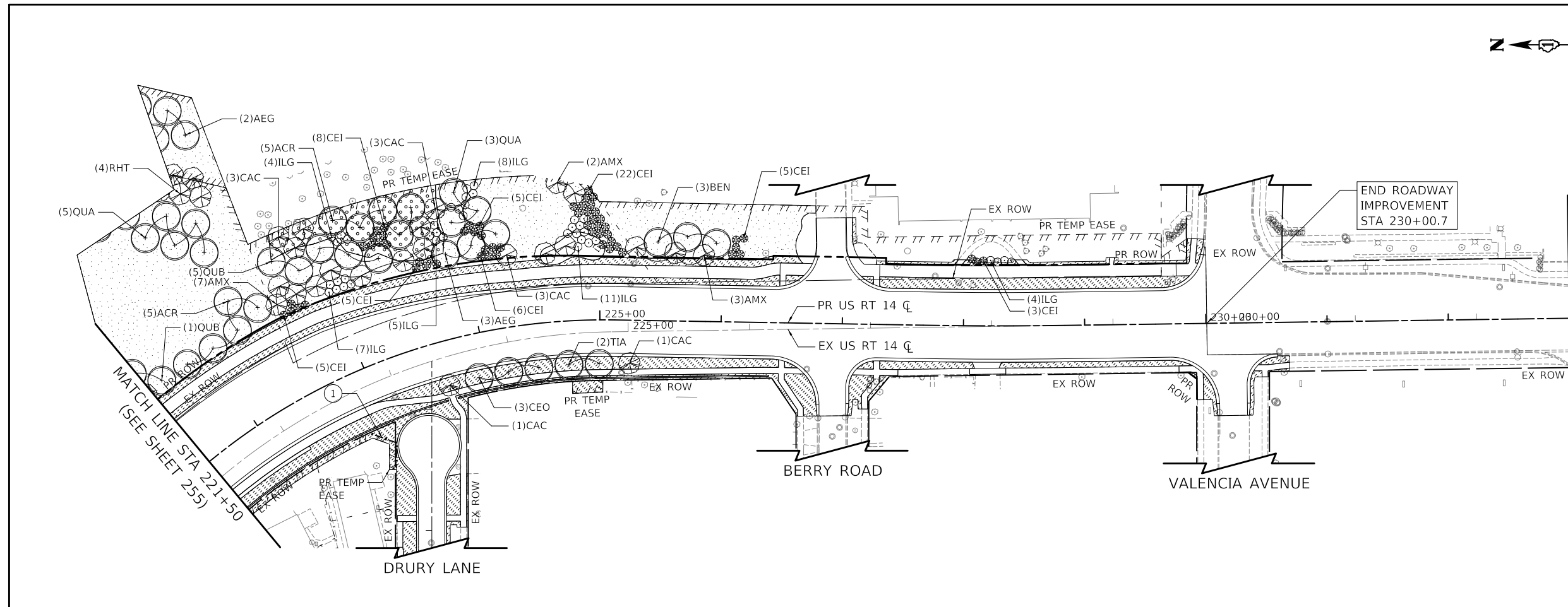
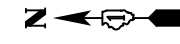


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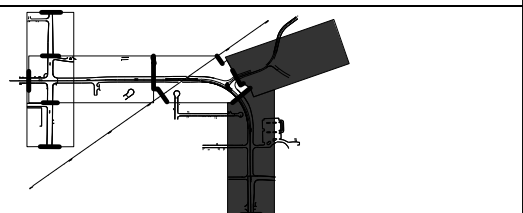
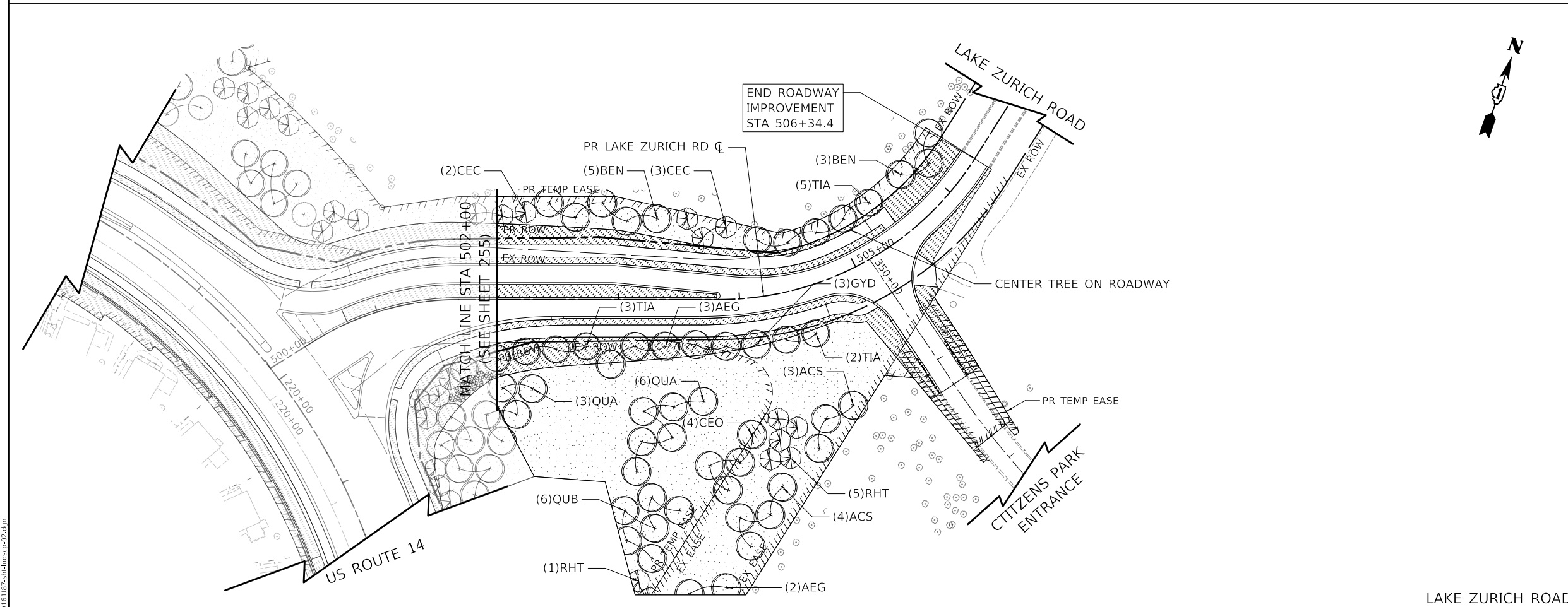
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 LANDSCAPE PLAN	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	255
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



US ROUTE 14 (NORTHWEST HIGHWAY)



LANDSCAPE LEGEND

- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4B (SPECIAL) TOPSOIL FURNISH AND PLACE, 4"
- (1) FENCE (SPECIAL)

TREES

- ACR ACER RUBRUM-RED MAPLE
- ACS ACER SACCHARUM - SUGAR MAPLE
- AEG AESCULUS GLABRA-OHIO BUCKEYE
- AMX AMELANCHIER X GRANDIFLORA -APPLE SERVICEBERRY
- BEN BETULA NIGRA-RIVER BIRCH
- CAC CARPINUS CAROLINIANA-AMERICAN HORNBEAM
- CEC CERCIS CANADENSIS - REDBUD
- CEO CELTIS OCCIDENTALIS-HACKBERRY
- GYD GYMNOCLADUS DIOICUS - COFFEETREE
- MAI MALUS IOENSIS - PRAIRIE ROSE CRABAPPLE
- PIP PICEA PUNGENS - BLUE SPRUCE
- QUA QUERCUS ALBA - WHITE OAK
- QUB QUERCUS BICOLOR - SWAMP WHITE OAK
- QUR QUERCUS RUBRA - RED OAK
- TAD TAXODIUM DISTICHUM - BALD CYPRESS
- TIA TILLIA AMERICANA - AMERICAN LINDEN

SHRUBS

- CEI CEPHALANTHUS OCCIDENTALIS - BUTTONBUSH
- ILG ILEX GLABRA - INKBERRY
- RHT RHUS TYPHINA - STAGHORN SUMAC

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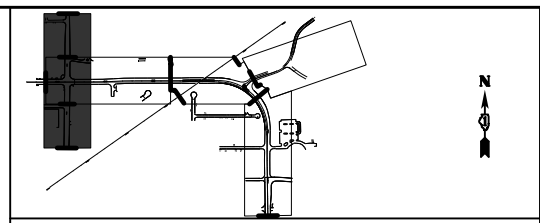
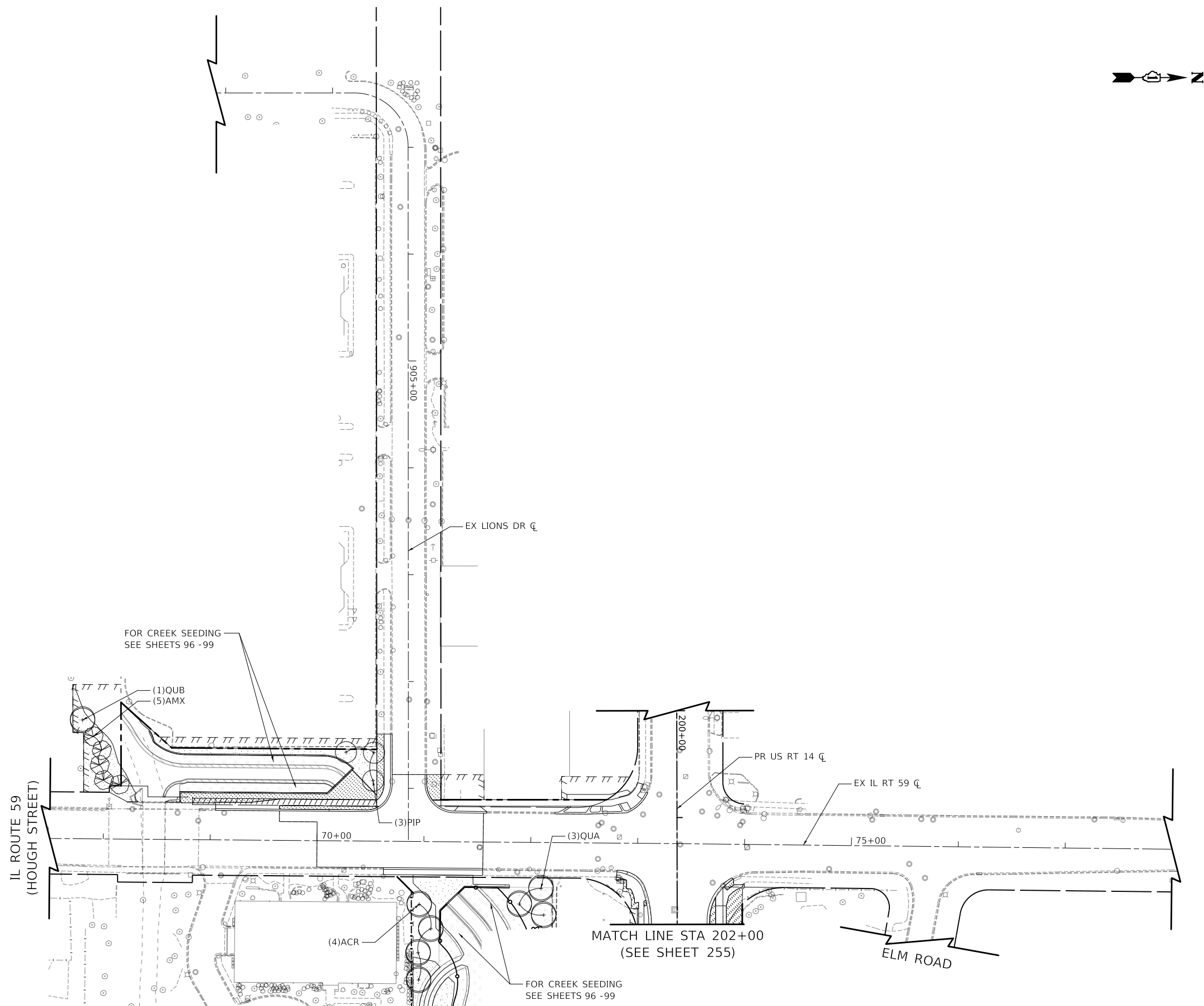
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DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 14 AND LAKE ZURICH ROAD
LANDSCAPE PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	256
CONTRACT NO. 61J87				
		ILLINOIS	FED. AID PROJECT	



LANDSCAPE LEGEND

	SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
	SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"
	SEEDING, CLASS 4B (SPECIAL) TOPSOIL FURNISH AND PLACE, 4"
	FENCE (SPECIAL)

TREES

ACR	ACER RUBRUM-RED MAPLE
ACS	ACER SACCHARUM - SUGAR MAPLE
AEG	AESCULUS GLABRA-OHIO BUCKEYE
AMX	AMELANCHIER X GRANDIFLORA -APPLE SERVICEBERRY
BEN	BETULA NIGRA-RIVER BIRCH
CAC	CARPINUS CAROLINIANA-AMERICAN HORNBEAM
CEC	CERCIS CANADENSIS - REDBUD
CEO	CELTIS OCCIDENTALIS-HACKBERRY
GYD	GYMNOCLADUS DIOICUS - COFFEETREE
MAI	MALUS IOENSIS - PRAIRIE ROSE CRABAPPLE
PIP	PICEA PUNGENS - BLUE SPRUCE
QUA	QUERCUS ALBA - WHITE OAK
QUB	QUERCUS BICOLOR - SWAMP WHITE OAK
QUR	QUERCUS RUBRA - RED OAK
TAD	TAXODIUM DISTICHUM - BALD CYPRESS
TIA	TILLIA AMERICANA - AMERICAN LINDEN

SHRUBS

CEI	CEPHALANTHUS OCCIDENTALIS - BUTTONBUSH
ILG	ILEX GLABRA - INKBERRY
RHT	RHUS TYPHINA - STAGHORN SUMAC

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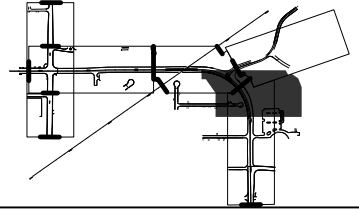
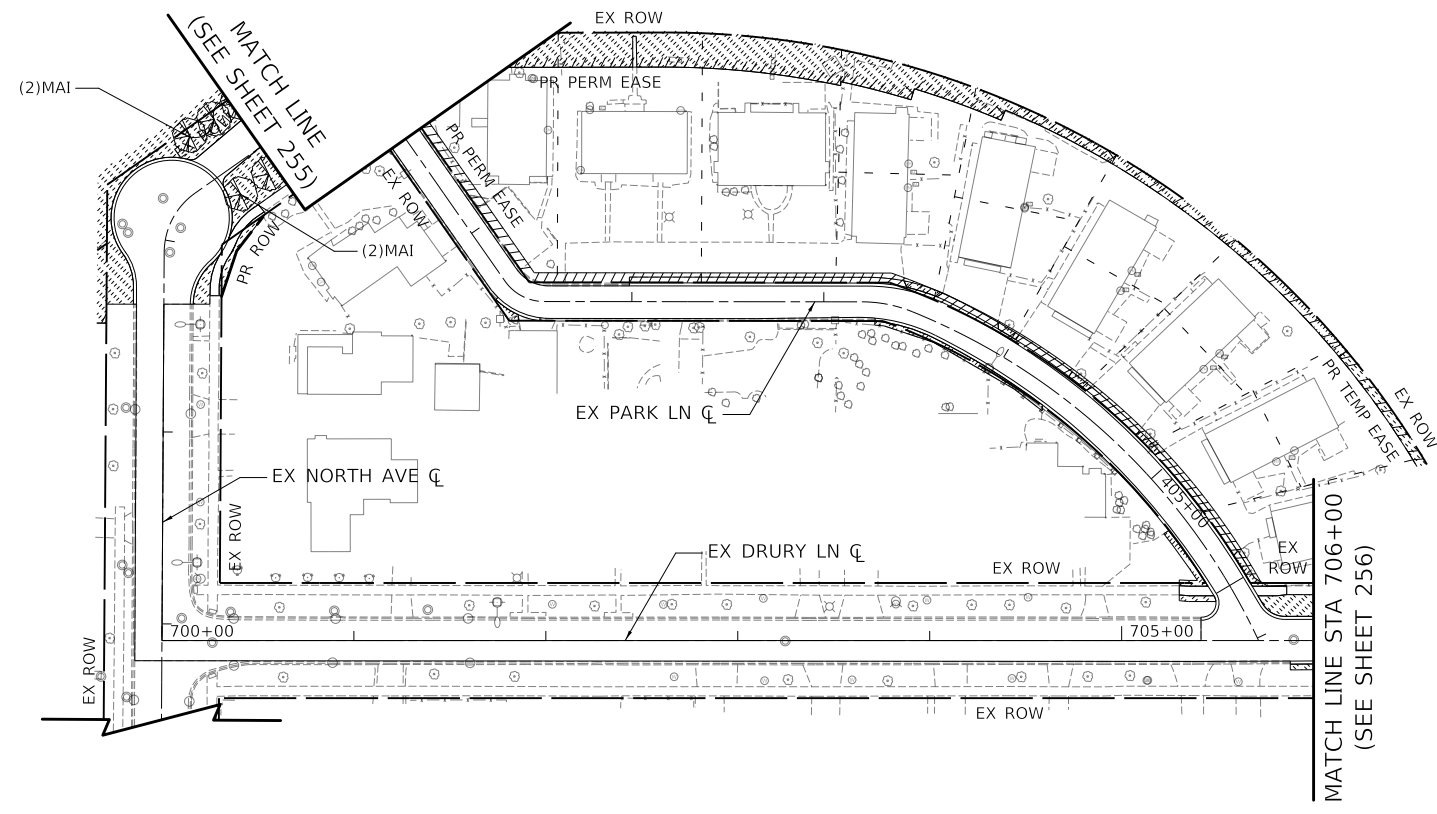


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 59 LANDSCAPE PLAN			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

IL ROUTE 59 (HOUGH STREET)			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
338	11-00087-00-GS	LAKE	816
			SHEET NO. 257
CONTRACT NO. 61J87			
ILLINOIS FED. AID PROJECT			



LANDSCAPE LEGEND

- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4B (SPECIAL) TOPSOIL FURNISH AND PLACE, 4"

① - - - - - FENCE (SPECIAL)

- TREES**
- ACR ACER RUBRUM-RED MAPLE
 - ACS ACER SACCHARUM - SUGAR MAPLE
 - AEG AESCULUS GLABRA-OHIO BUCKEYE
 - AMX AMELANCHIER X GRANDIFLORA -APPLE SERVICEBERRY
 - BEN BETULA NIGRA-RIVER BIRCH
 - CAC CARPINUS CAROLINIANA-AMERICAN HORNBEAM
 - CEC CERCIS CANADENSIS - REDBUD
 - CEO CELTIS OCCIDENTALIS-HACKBERRY
 - GYD GYMNOCLADUS DIOICUS - COFFEETREE
 - MAI MALUS IOENSIS - PRAIRIE ROSE CRABAPPLE
 - PIP PICEA PUNGENS - BLUE SPRUCE
 - QUA QUERCUS ALBA - WHITE OAK
 - QUB QUERCUS BICOLOR - SWAMP WHITE OAK
 - QUR QUERCUS RUBRA - RED OAK
 - TAD TAXODIUM DISTICHUM - BALD CYPRESS
 - TIA TILLIA AMERICANA - AMERICAN LINDEN
- SHRUBS**
- CEI CEPHALANTHUS OCCIDENTALIS - BUTTONBUSH
 - ILG ILEX GLABRA - INKBERRY
 - RHT RHUS TYPHINA - STAGHORN SUMAC

NORTH AVENUE AND DRURY LANE

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 Fax: 630.773.3975
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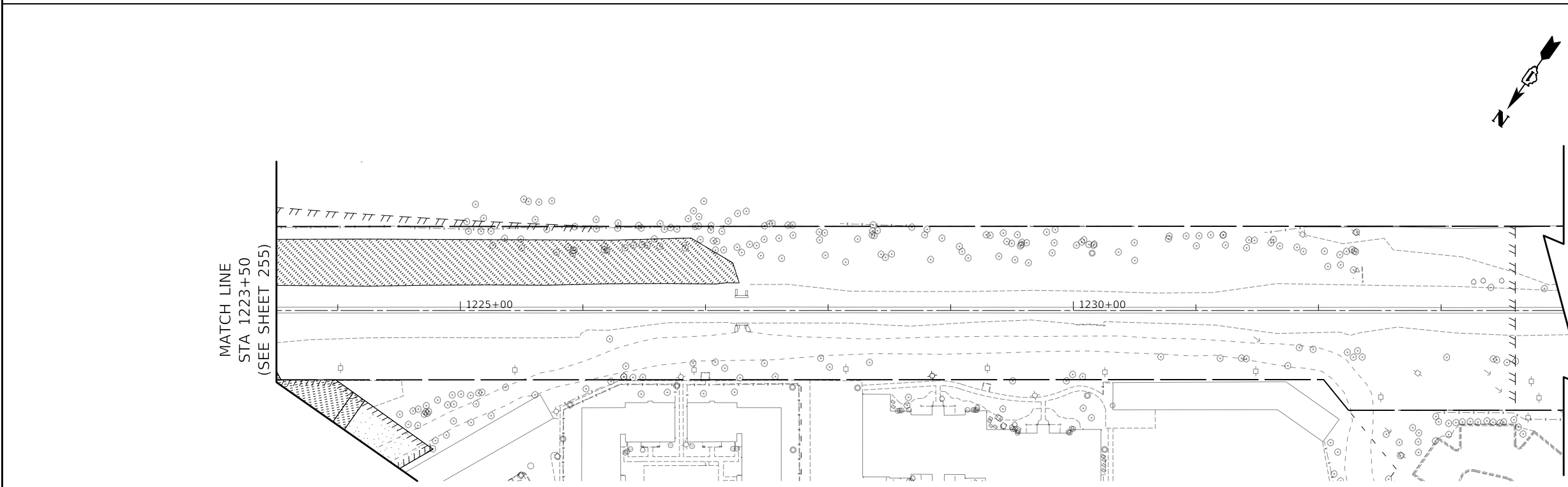
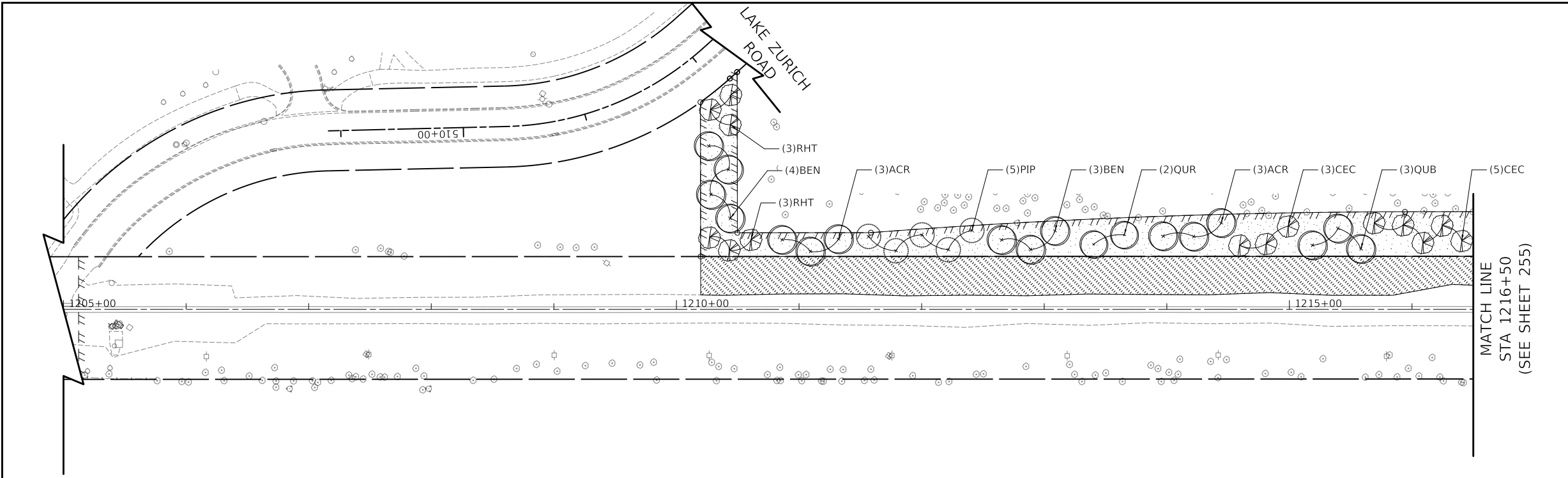
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

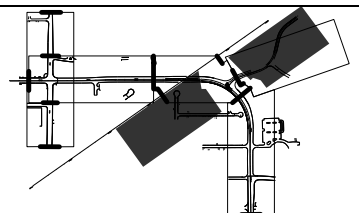
**NORTH AVENUE AND DRURY LANE
 LANDSCAPE PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	258
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



WCL RAILROAD



- LANDSCAPE LEGEND**
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
 - SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4"
 - SEEDING, CLASS 4B (SPECIAL) TOPSOIL FURNISH AND PLACE, 4"
 - FENCE (SPECIAL)

- TREES**
- ACR ACER RUBRUM-RED MAPLE
 - ACS ACER SACCHARUM - SUGAR MAPLE
 - AEG AESCULUS GLABRA-OHIO BUCKEYE
 - AMX AMELANCHIER X GRANDIFLORA -APPLE SERVICEBERRY
 - BEN BETULA NIGRA-RIVER BIRCH
 - CAC CARPINUS CAROLINIANA-AMERICAN HORNBEAM
 - CEC CERCIS CANADENSIS - REDBUD
 - CEO CELTIS OCCIDENTALIS-HACKBERRY
 - GYP GYMNOCLADUS DIOICUS - COFFEETREE
 - MAI MALUS IOENSIS - PRAIRIE ROSE CRABAPPLE
 - PIP PICEA PUNGENS - BLUE SPRUCE
 - QUA QUERCUS ALBA - WHITE OAK
 - QUB QUERCUS BICOLOR - SWAMP WHITE OAK
 - QUR QUERCUS RUBRA - RED OAK
 - TAD TAXODIUM DISTICHUM - BALD CYPRESS
 - TIA TILLIA AMERICANA - AMERICAN LINDEN
- SHRUBS**
- CEI CEPHALANTHUS OCCIDENTALIS - BUTTONBUSH
 - ILG ILEX GLABRA - INKBERRY
 - RHT RHUS TYPHINA - STAGHORN SUMAC

WCL RAILROAD

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www.civiltechinc.com

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PLOT DATE = 8/28/2024	CHECKED - DNM	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WCL RAILROAD
LANDSCAPE PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	259
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

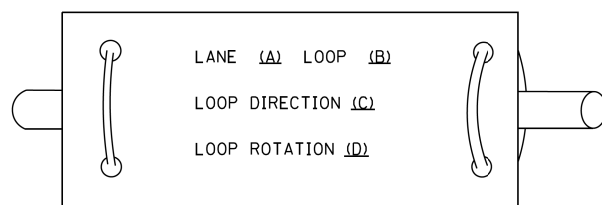
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. TO STA.	

F.A. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 260
TS-05			CONTRACT NO. 61J87	
ILLINOIS FED. AID PROJECT				

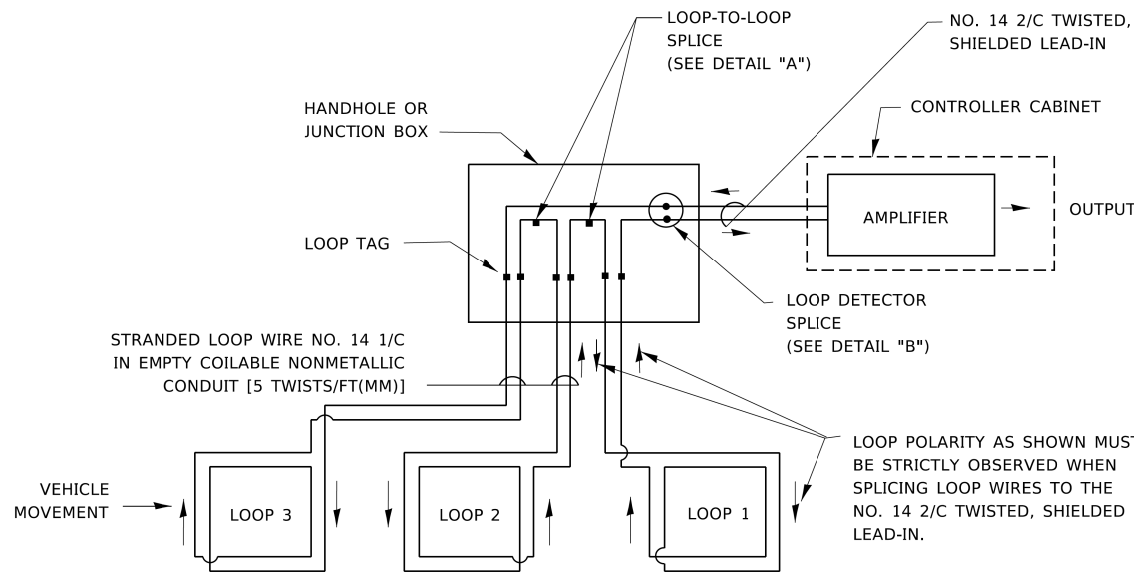
LOOP DETECTOR NOTES

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

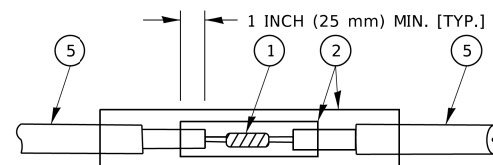


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

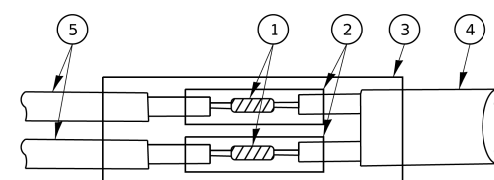


DETECTOR LOOP WIRING SCHEMATIC

- 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.

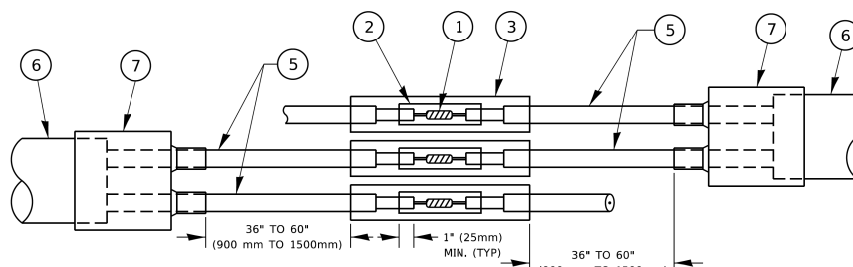


DETAIL "A"
LOOP-TO-LOOP SPLICE

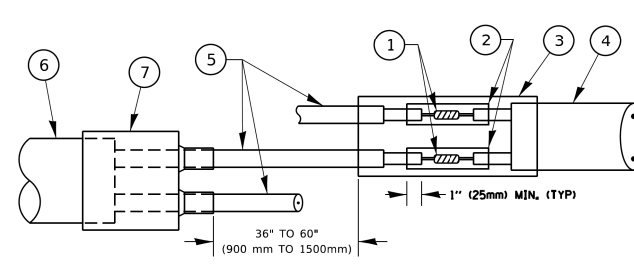


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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**

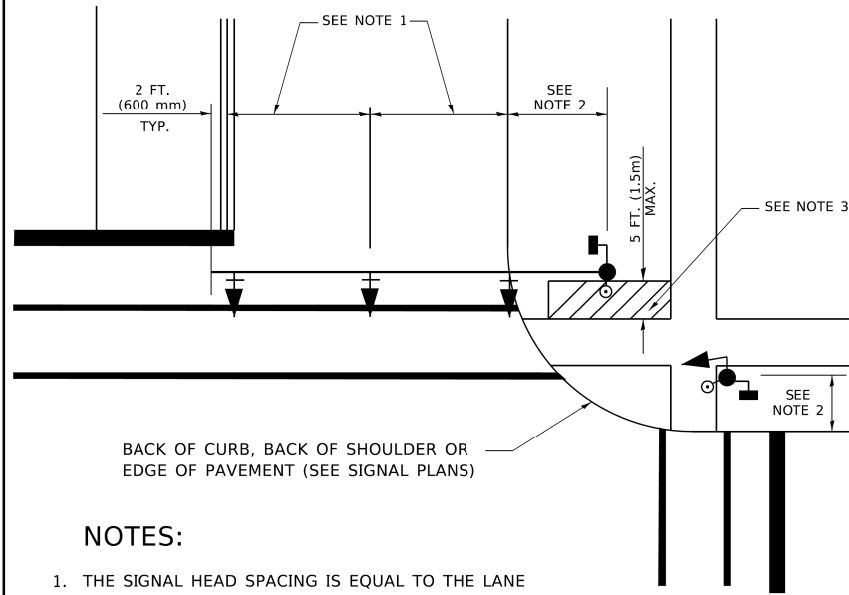
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	261
TS-05		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

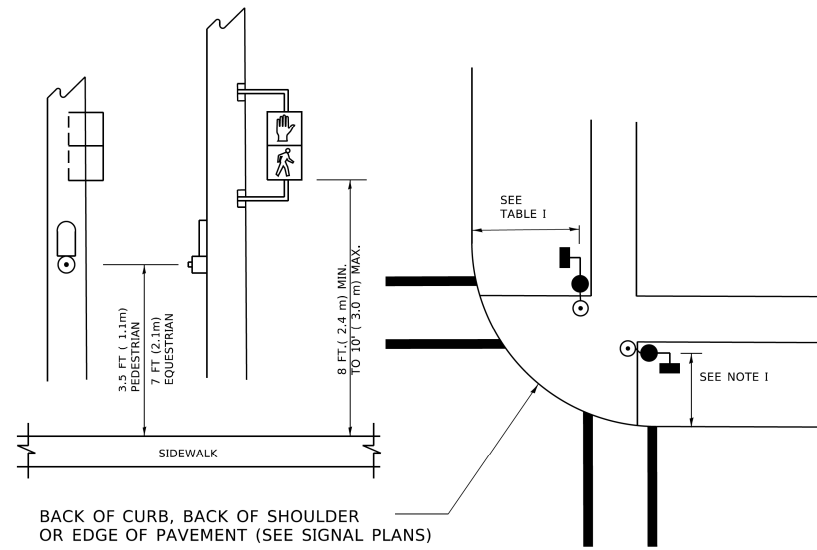
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

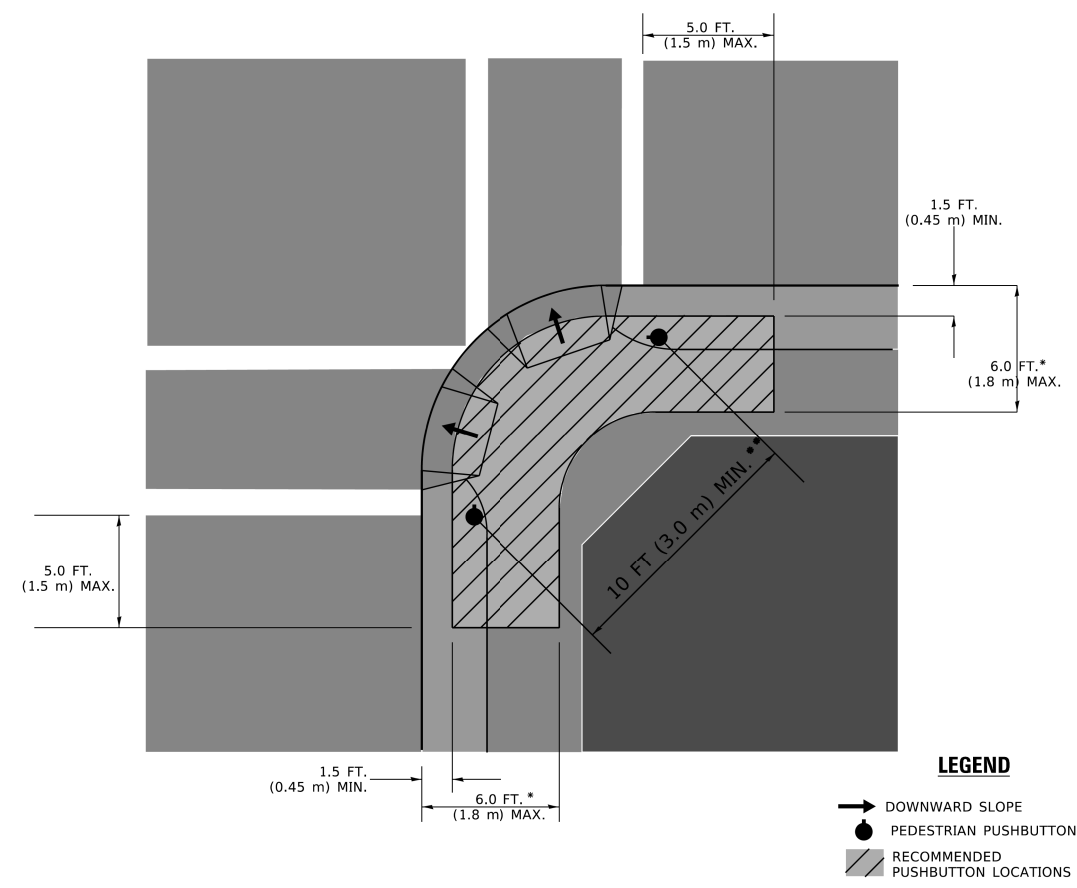
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

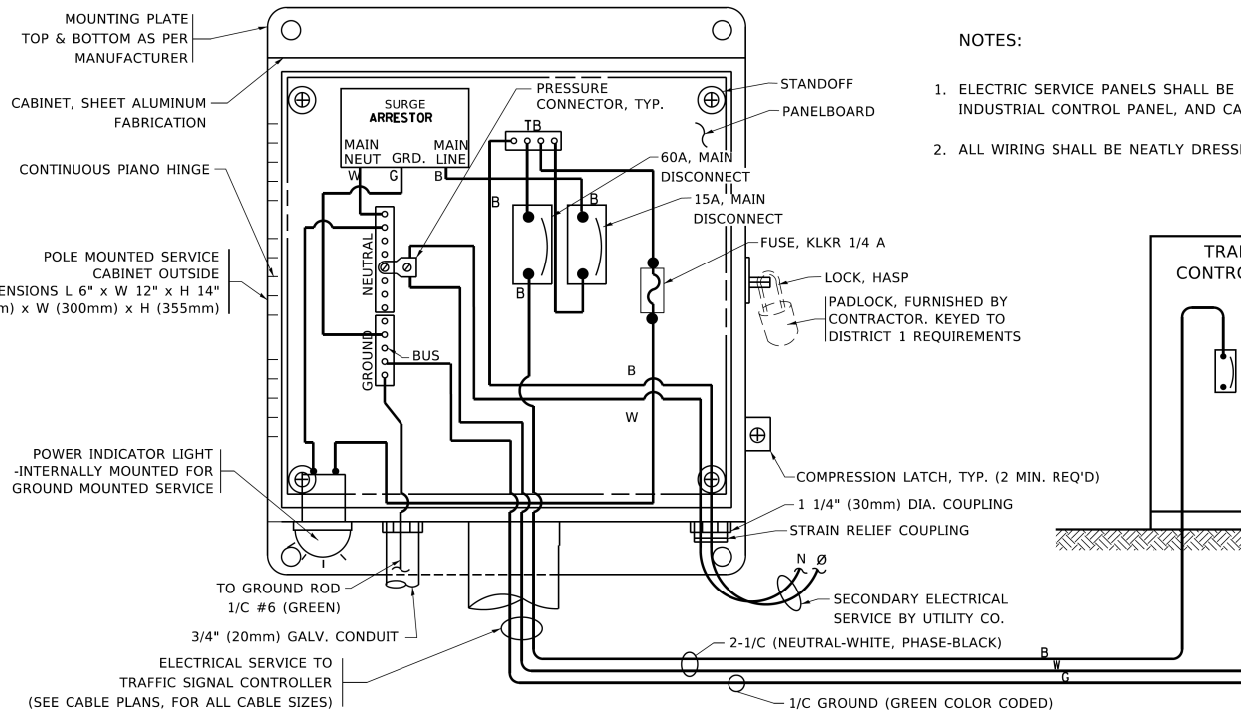
NOTES:

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

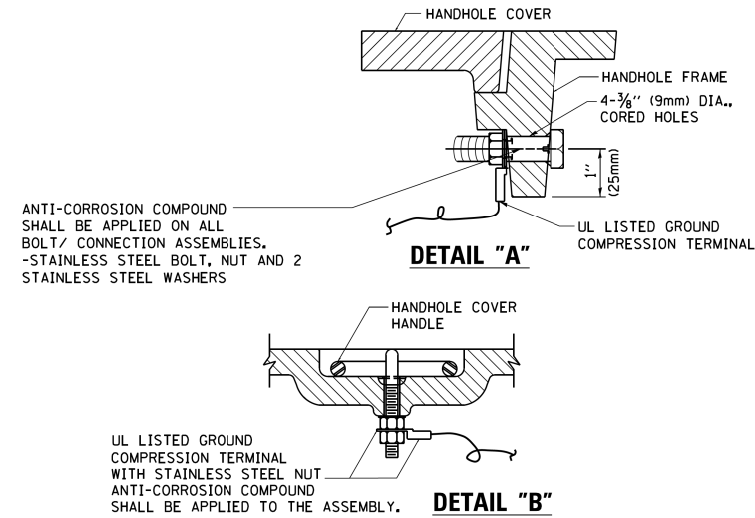
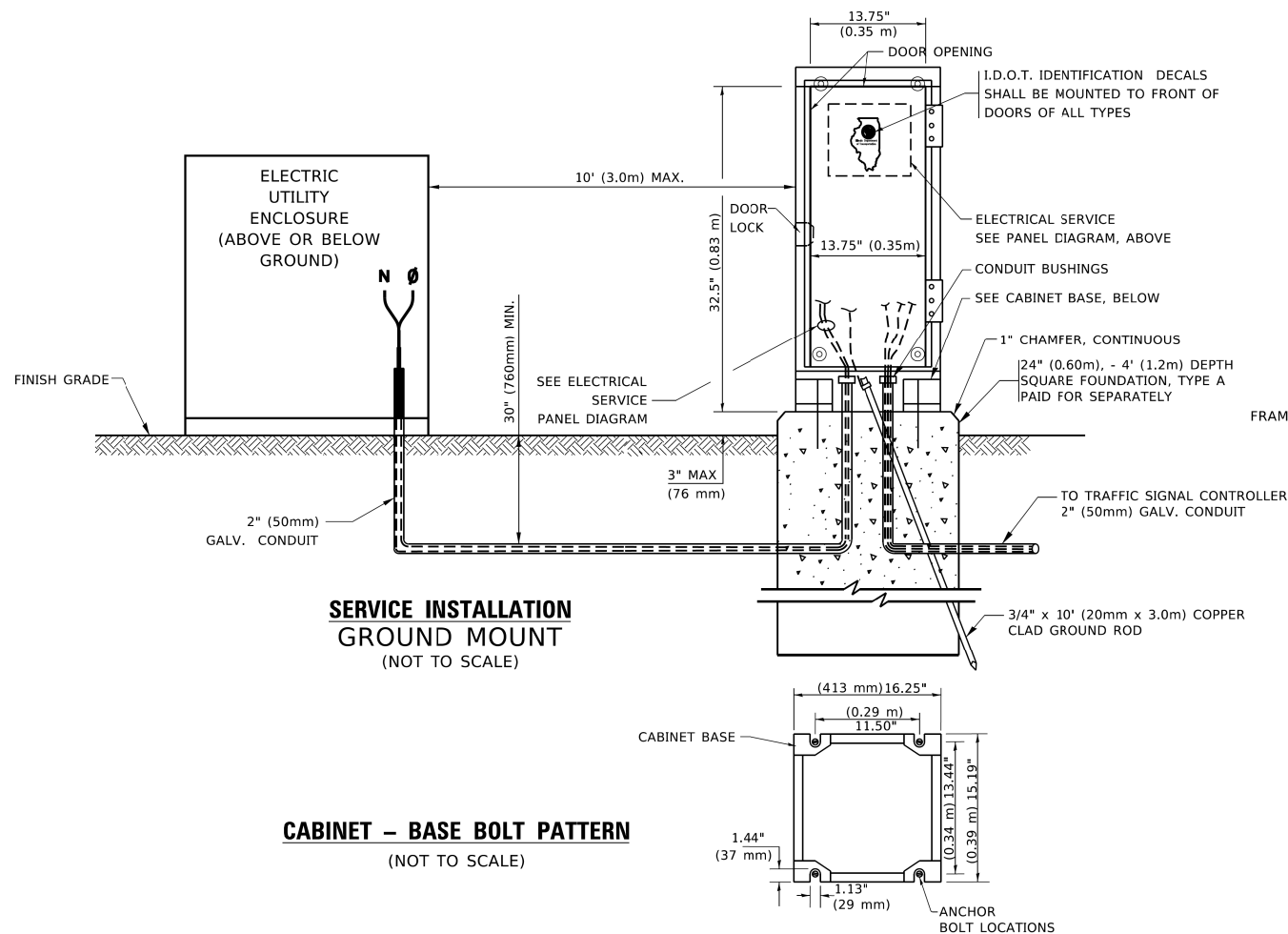
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
				305	11-00087-00-GS	LAKE	816	262	
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				TS-05		ILLINOIS FED. AID PROJECT			

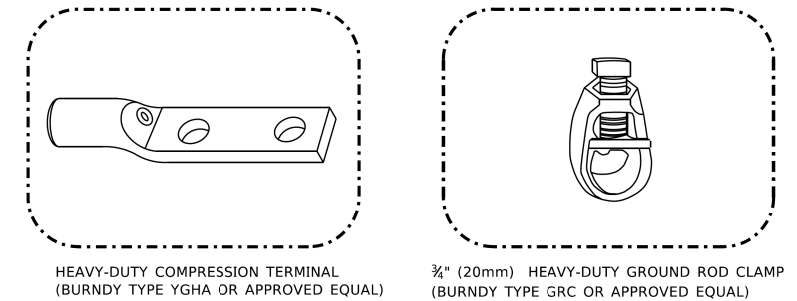
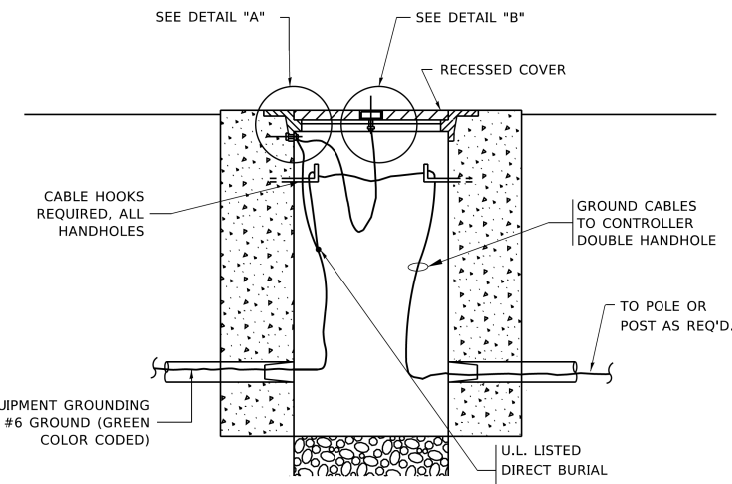


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



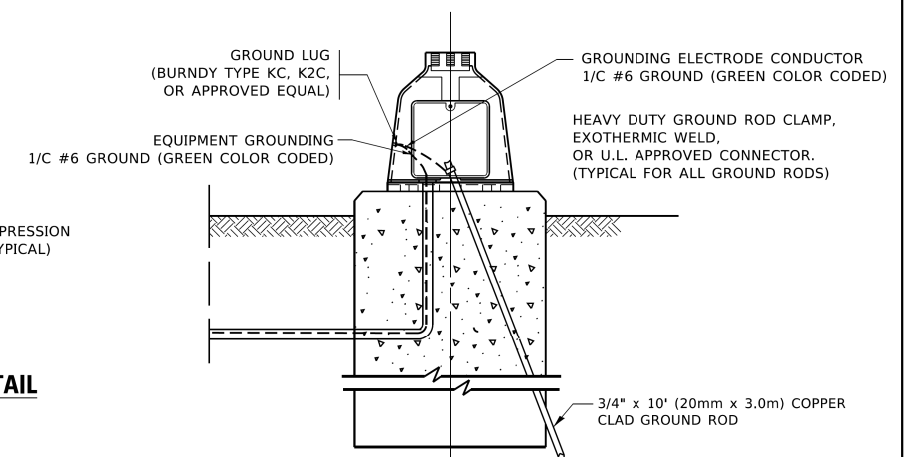
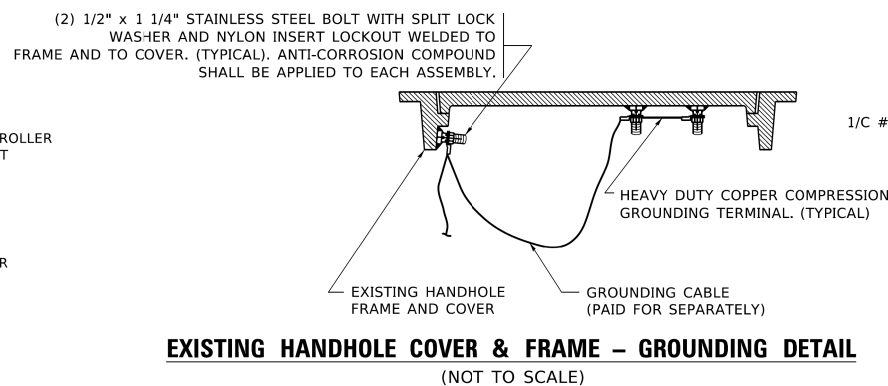
NOTES:
GROUNDING SYSTEM

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



NOTES:

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



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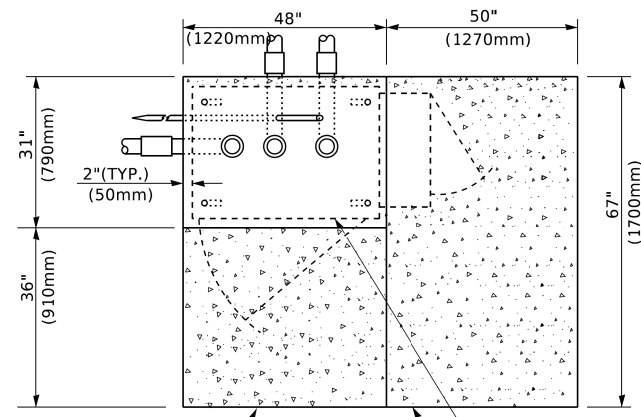
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

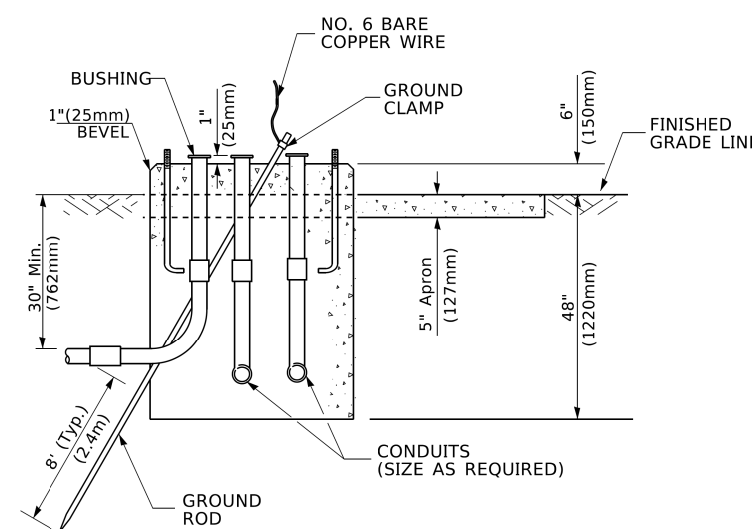
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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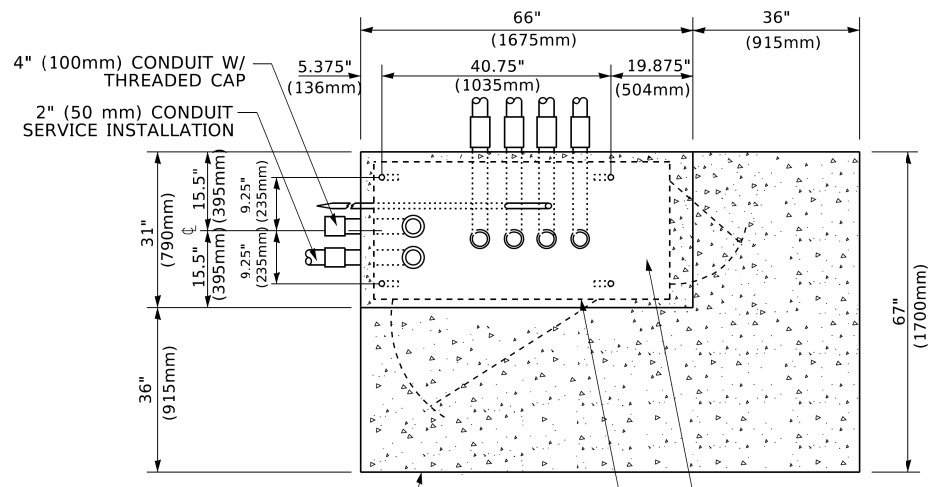
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TS-05		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				



TOP VIEW

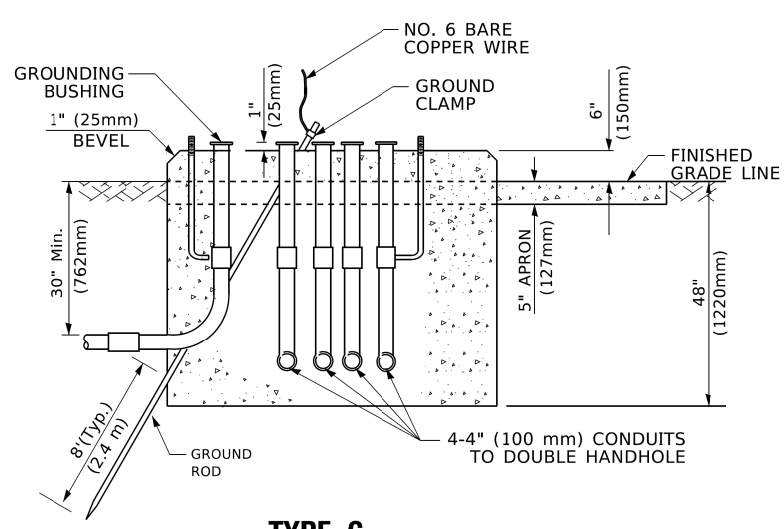


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

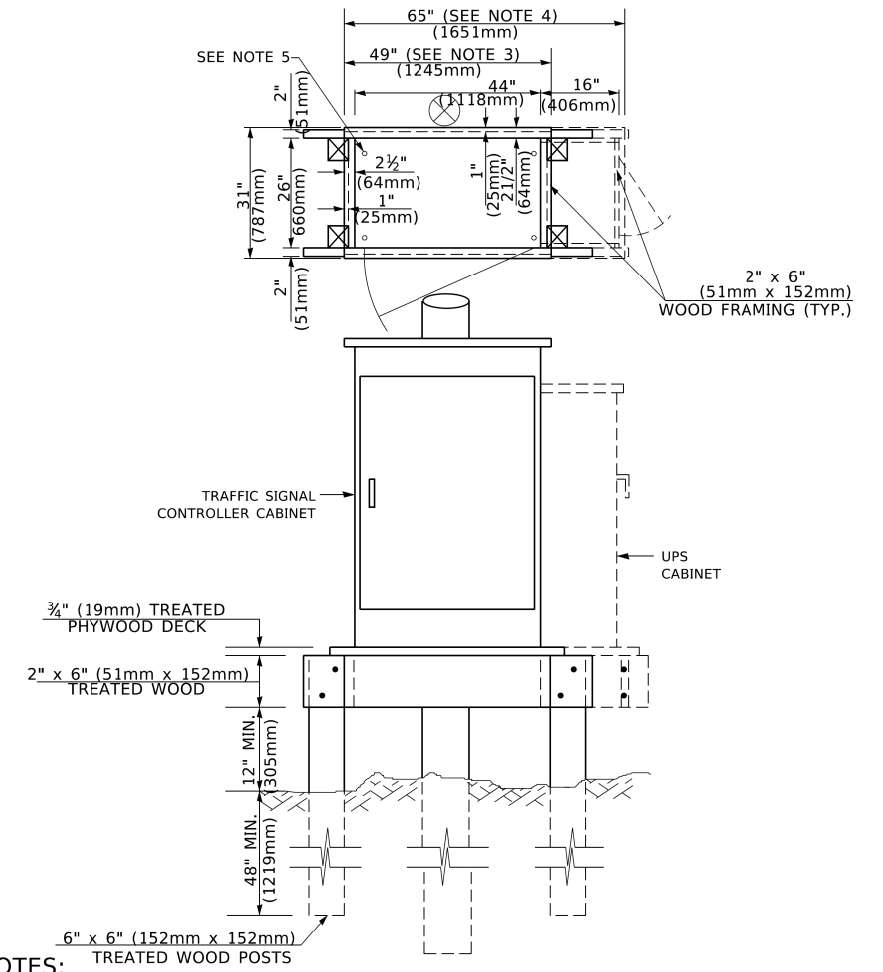


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**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)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 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) and up to 85' (25.9 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

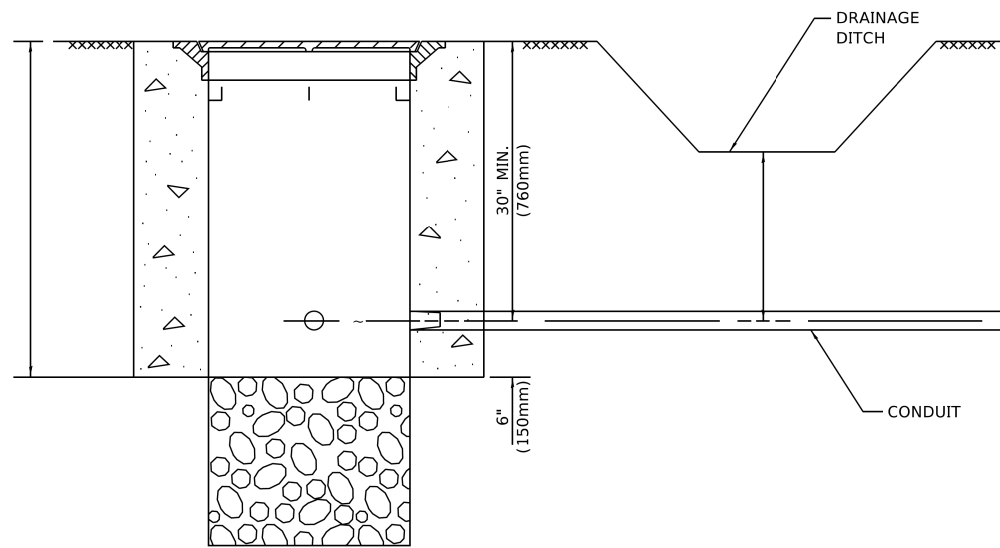
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PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

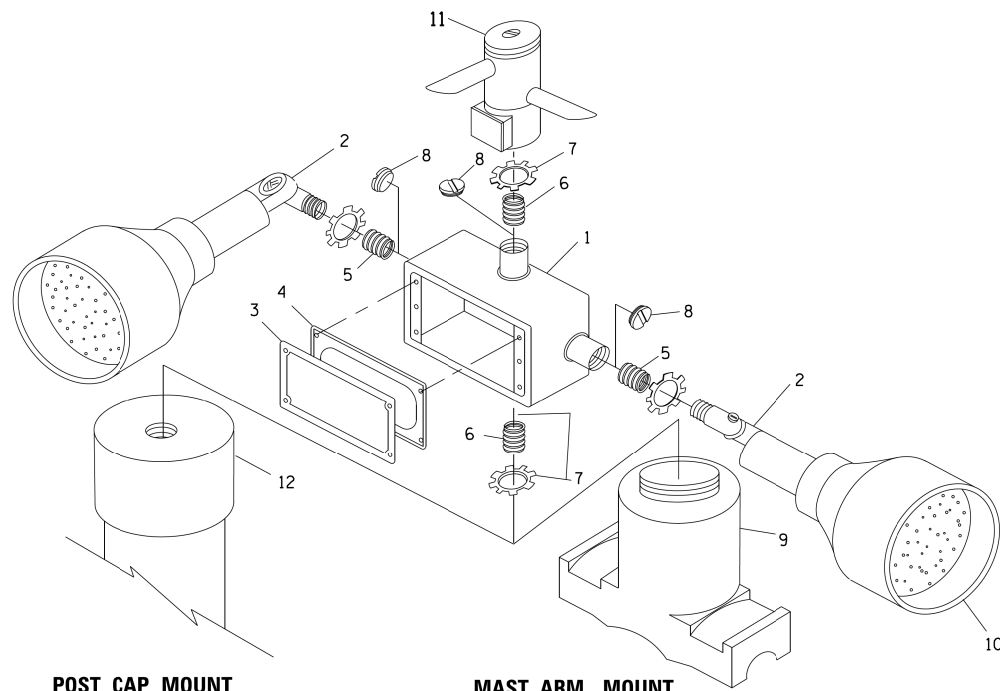
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	264
TS-05		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				



NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

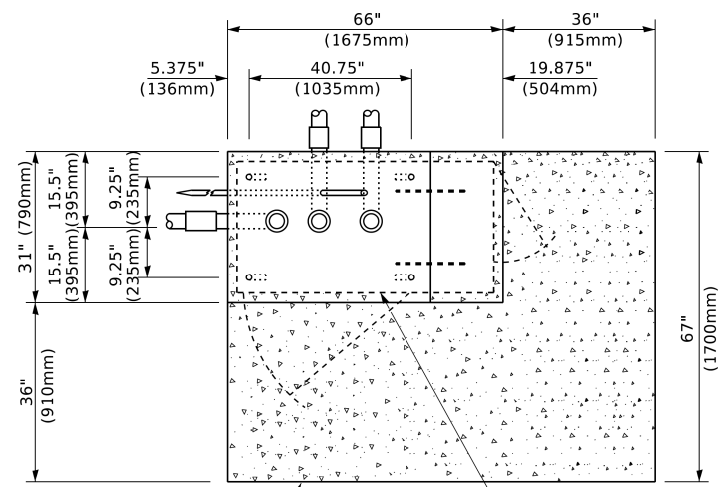


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

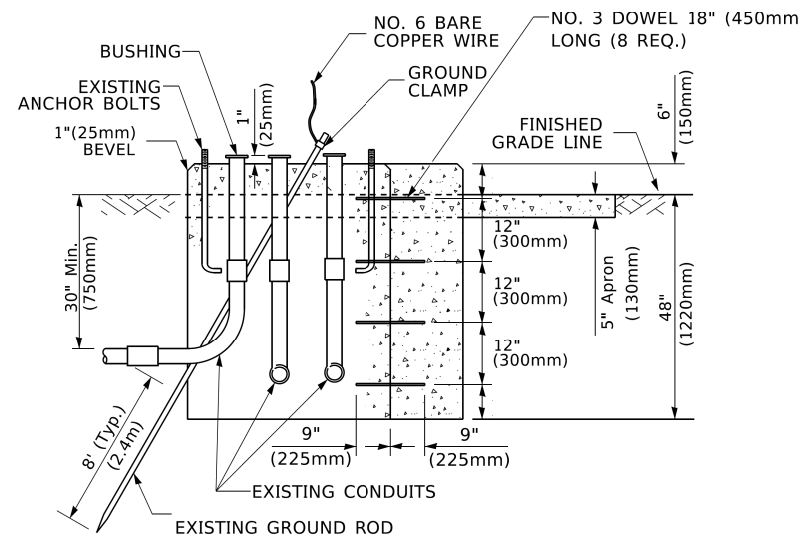
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

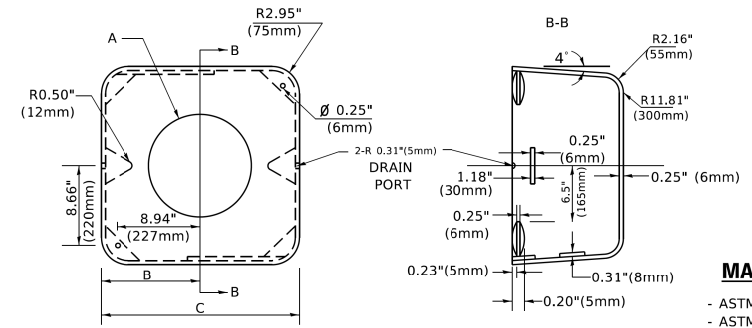
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



TOP VIEW
(NOT TO SCALE)



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



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

A	B	C	HEIGHT	WEIGHT
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)

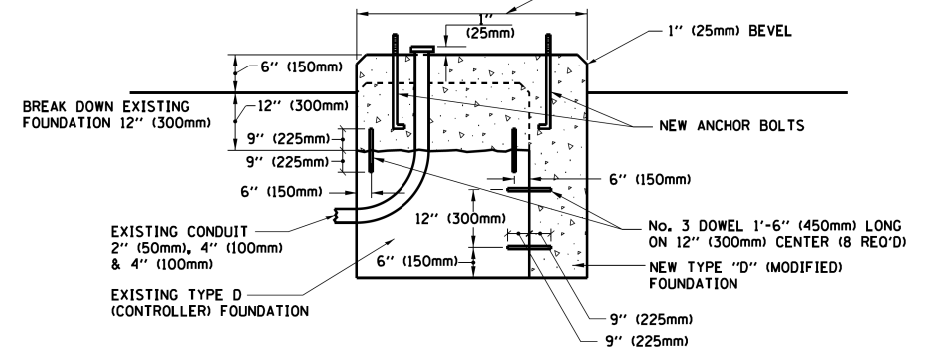
SHROUD

NOTES:

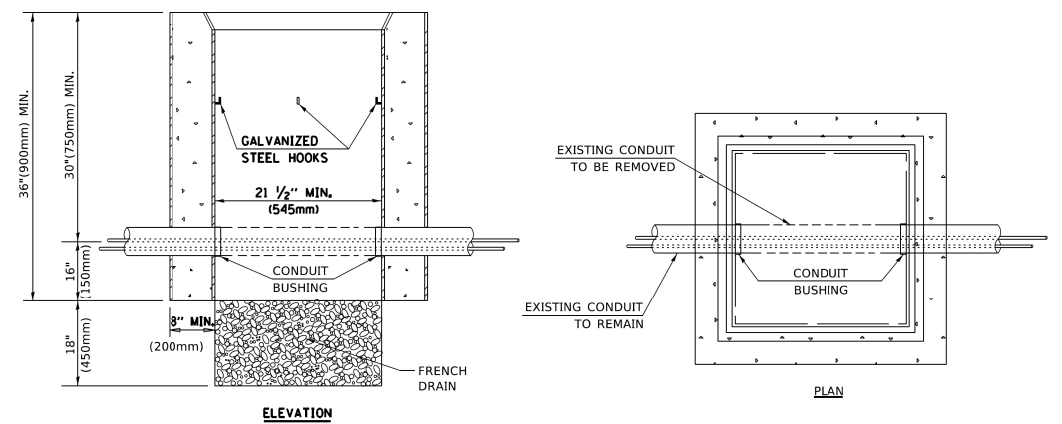
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

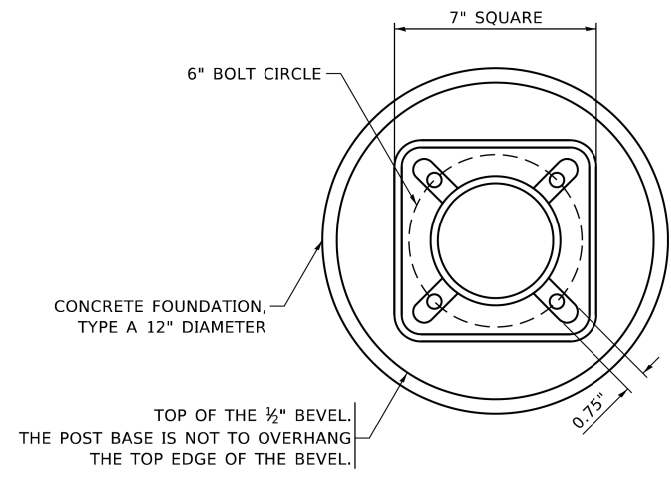
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

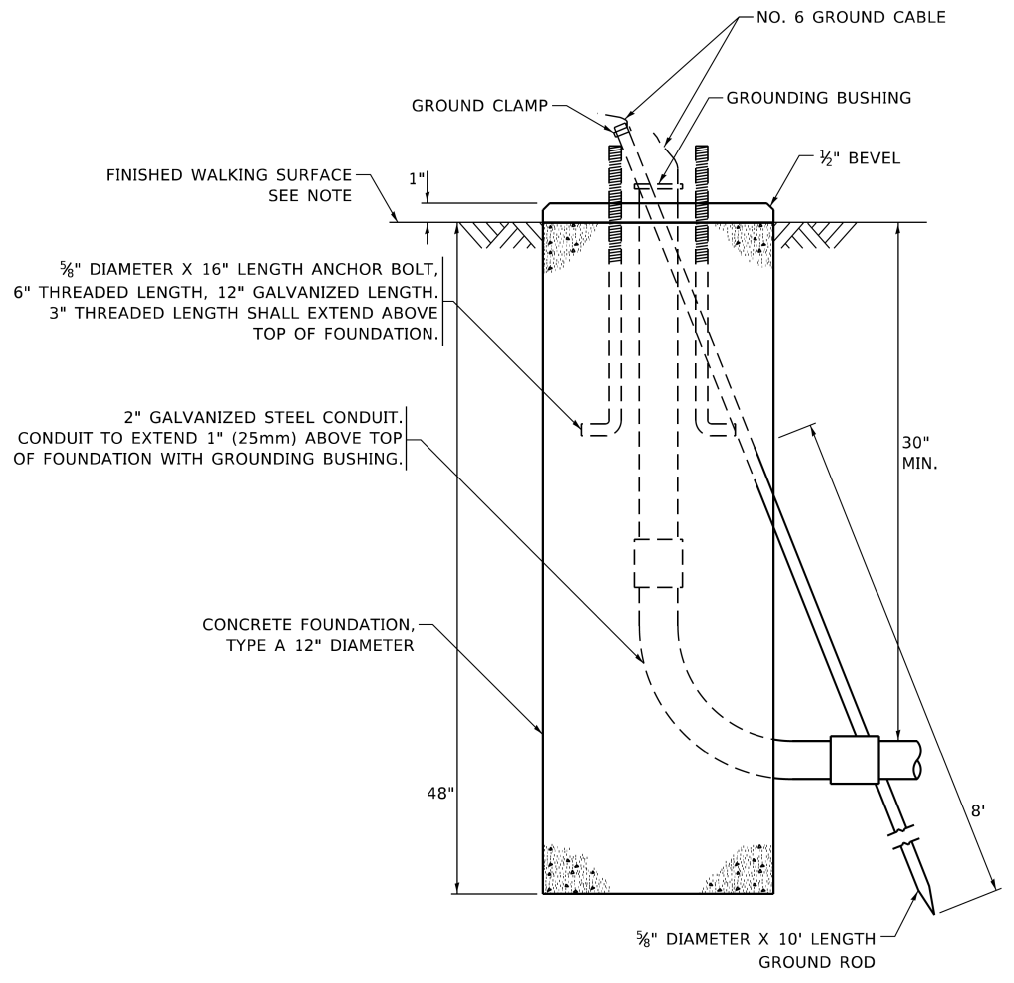
DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 6	OF 7 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	265
TS-05		CONTRACT NO. 61J87		
ILLINOIS / FED. AID PROJECT				

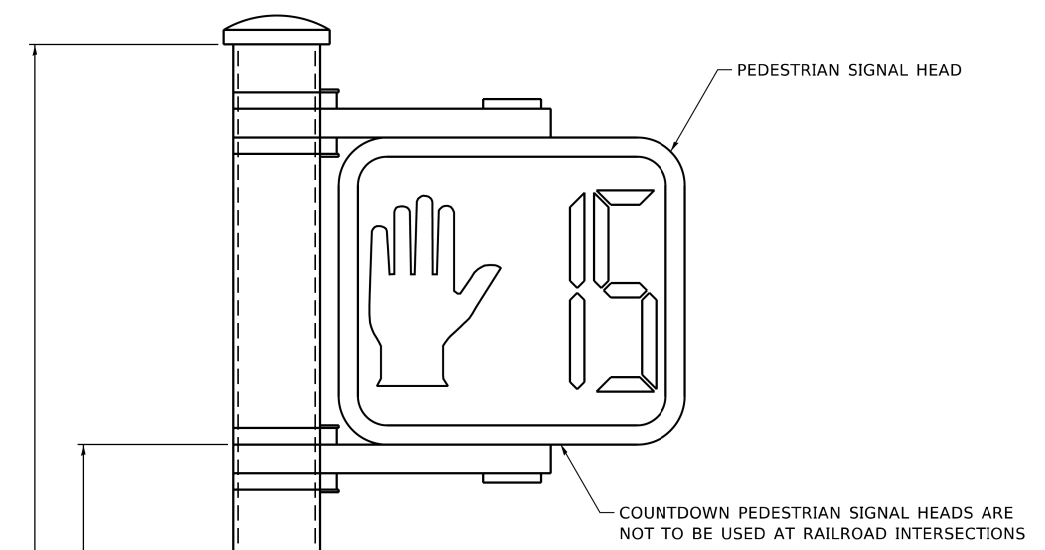


BOLT PATTERN

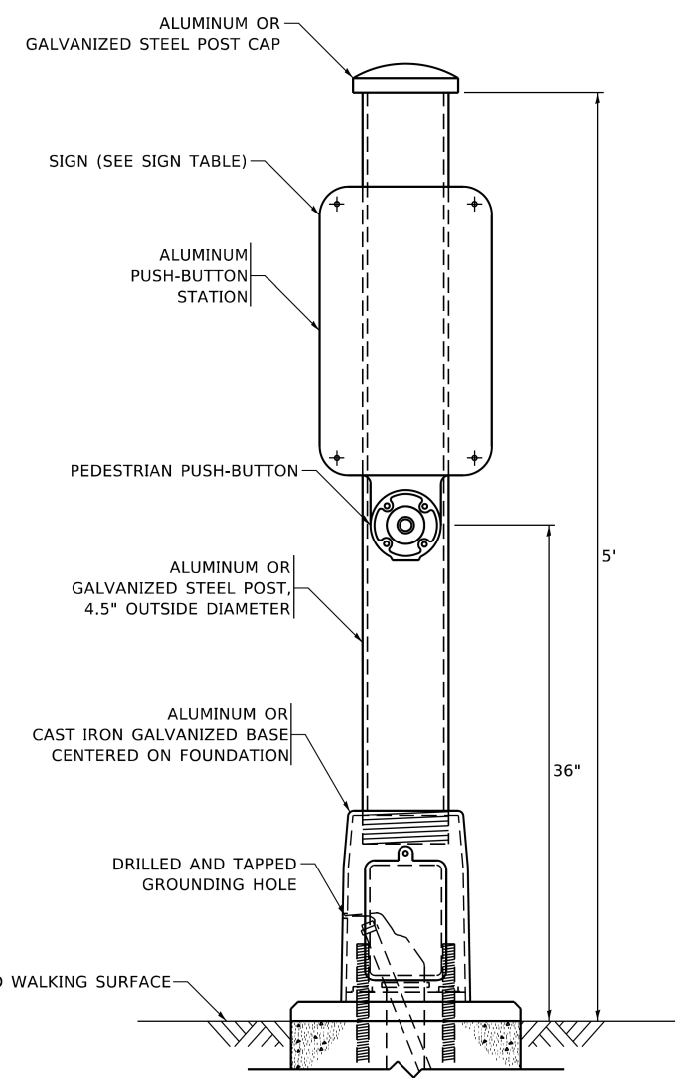
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



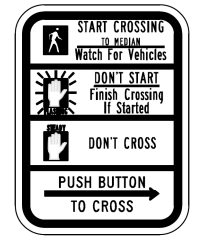
PEDESTRIAN SIGNAL POST, 10 FT.



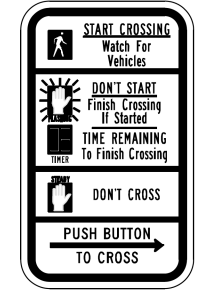
PEDESTRIAN SIGNAL POST, 5 FT.



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.

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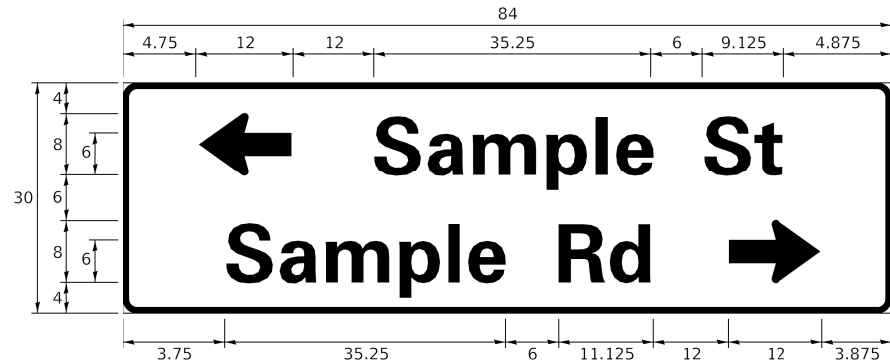
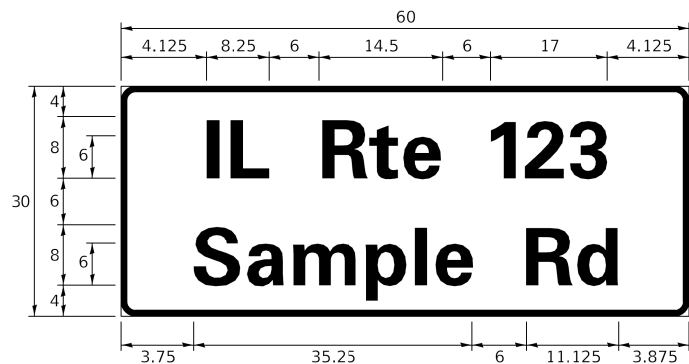
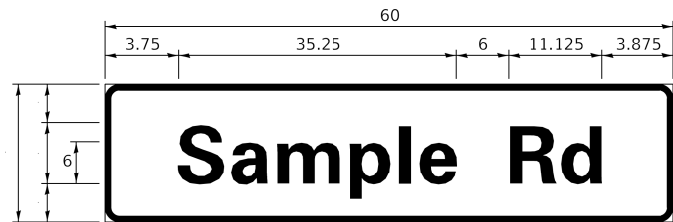
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	266
TS-05		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- I.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

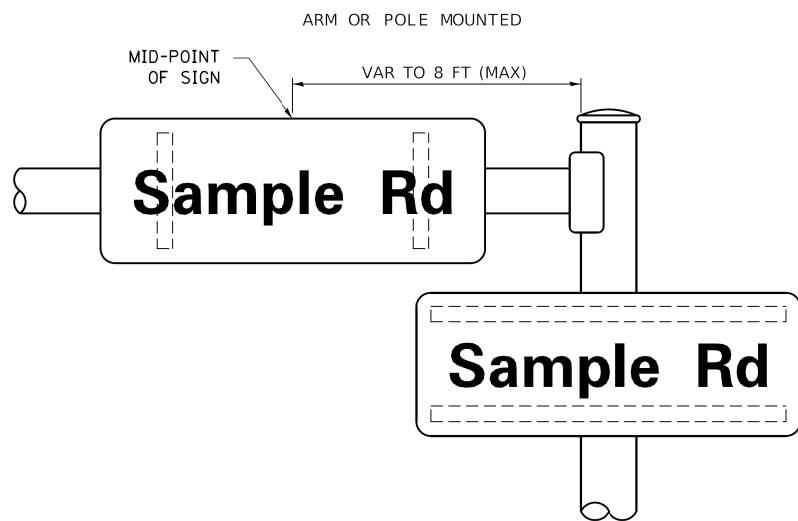
SIGN CHANNEL
SIGN SCREWS

BRACKETS

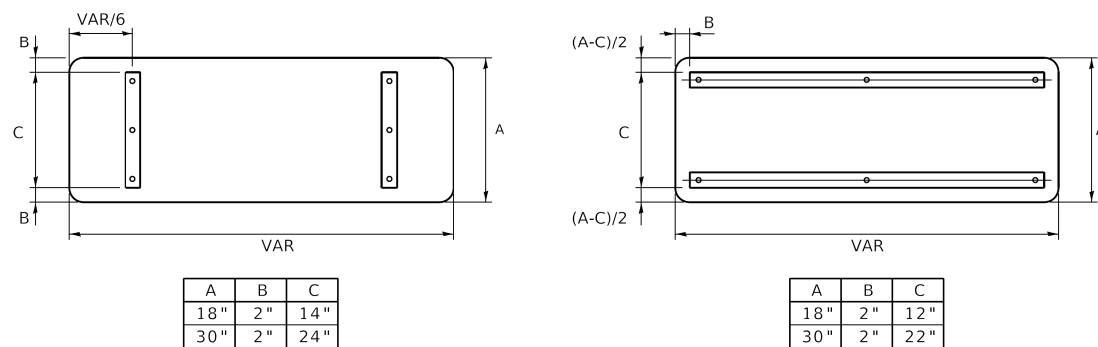
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.952	0.240	V	0.240	6.084	0.240
W	0.240	6.034	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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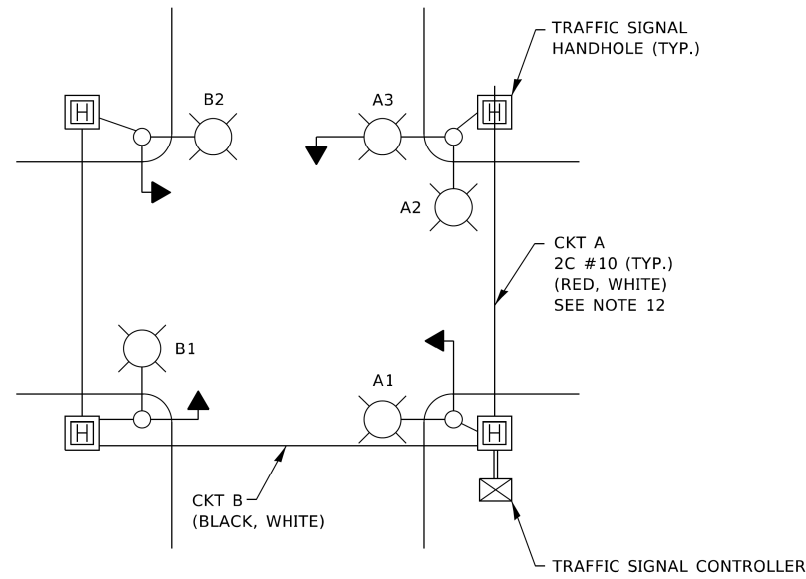
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

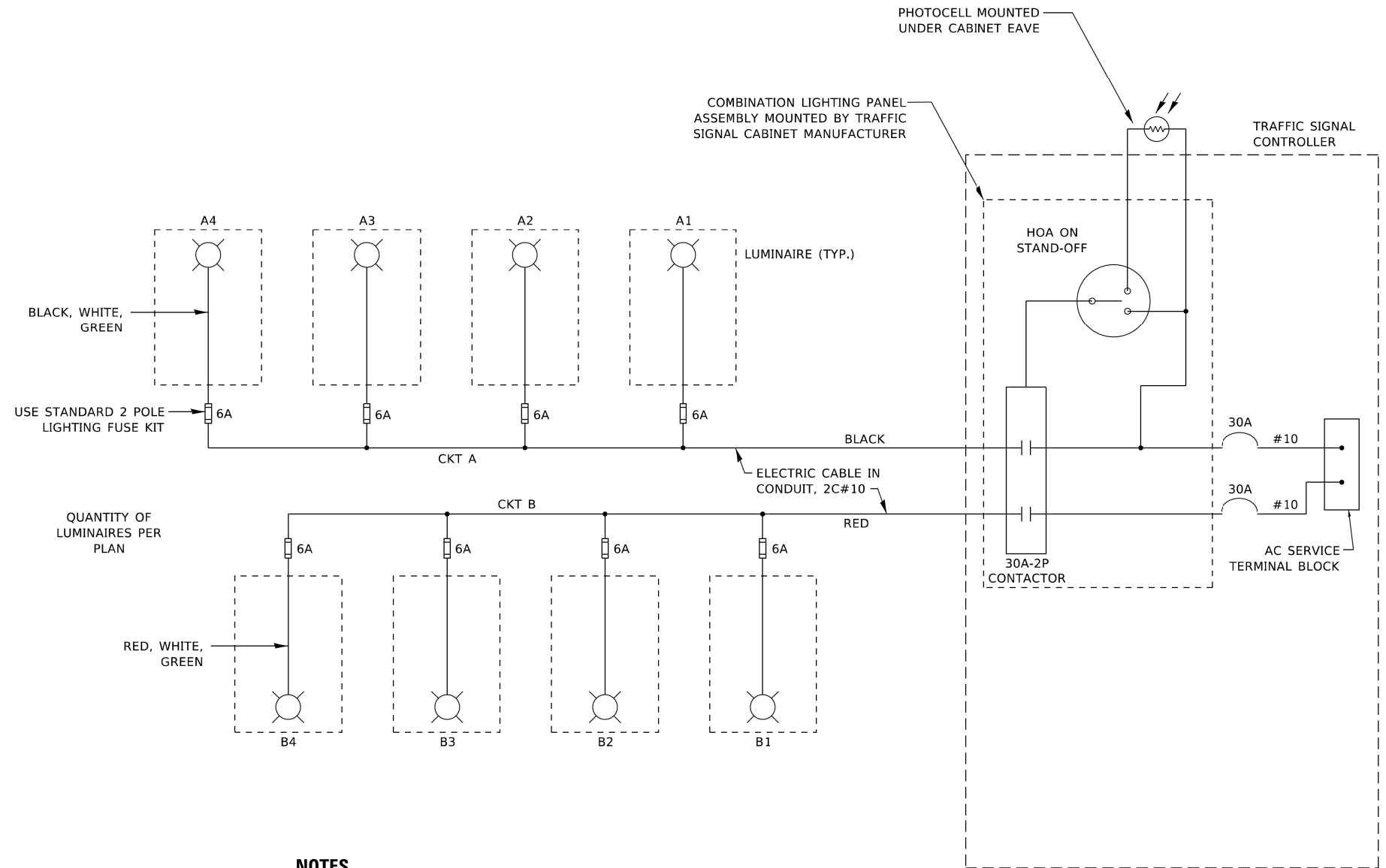
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

F.A. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 267
TS-02		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

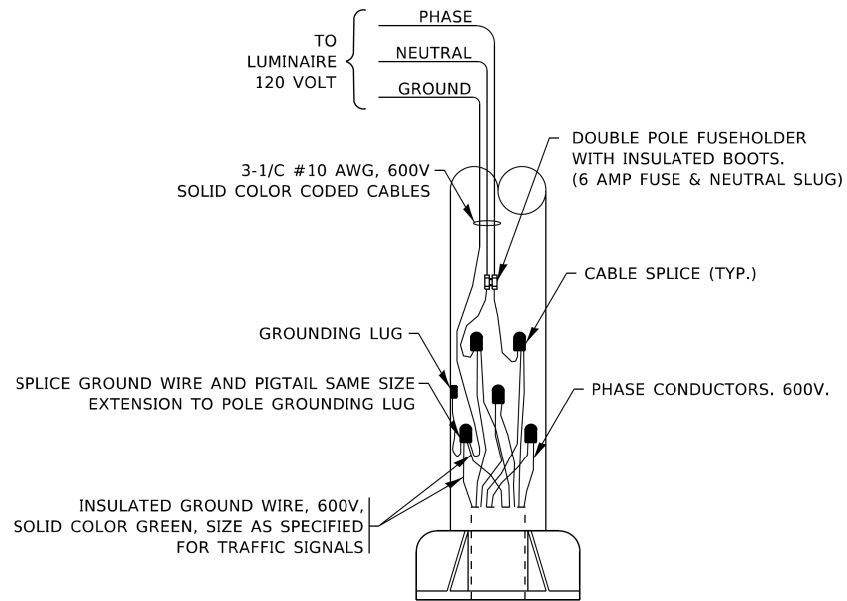


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

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



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

MODEL: Default
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	DRAWN -	REVISED - R. TOMSONS 3/22/18
PLOT SCALE = 100.0000' / in.	CHECKED - RT	REVISED - T.G. 8/03/2021
PLOT DATE = 5/5/2022	DATE - 08/18/2014	REVISED - T.G. 5/05/2022

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COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	268
BE-240		CONTRACT NO. 61J87		
ILLINOIS FED. AID PROJECT				



REMOVAL NOTES:

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

- 2 EACH MAST ARM ASSEMBLY AND POLE
- 2 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 4 EACH SIGNAL BACKPLATES
- 5 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED LOCATIONS:

- 2 EACH 5-SECTION SIGNAL HEAD
- 5 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH LIGHT DETECTOR
- 2 EACH STREET NAME SIGNS

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL, THE ITEMS SHALL BE RELOCATED TO THE EXISTING TRAFFIC SIGNAL INSTALLATION.

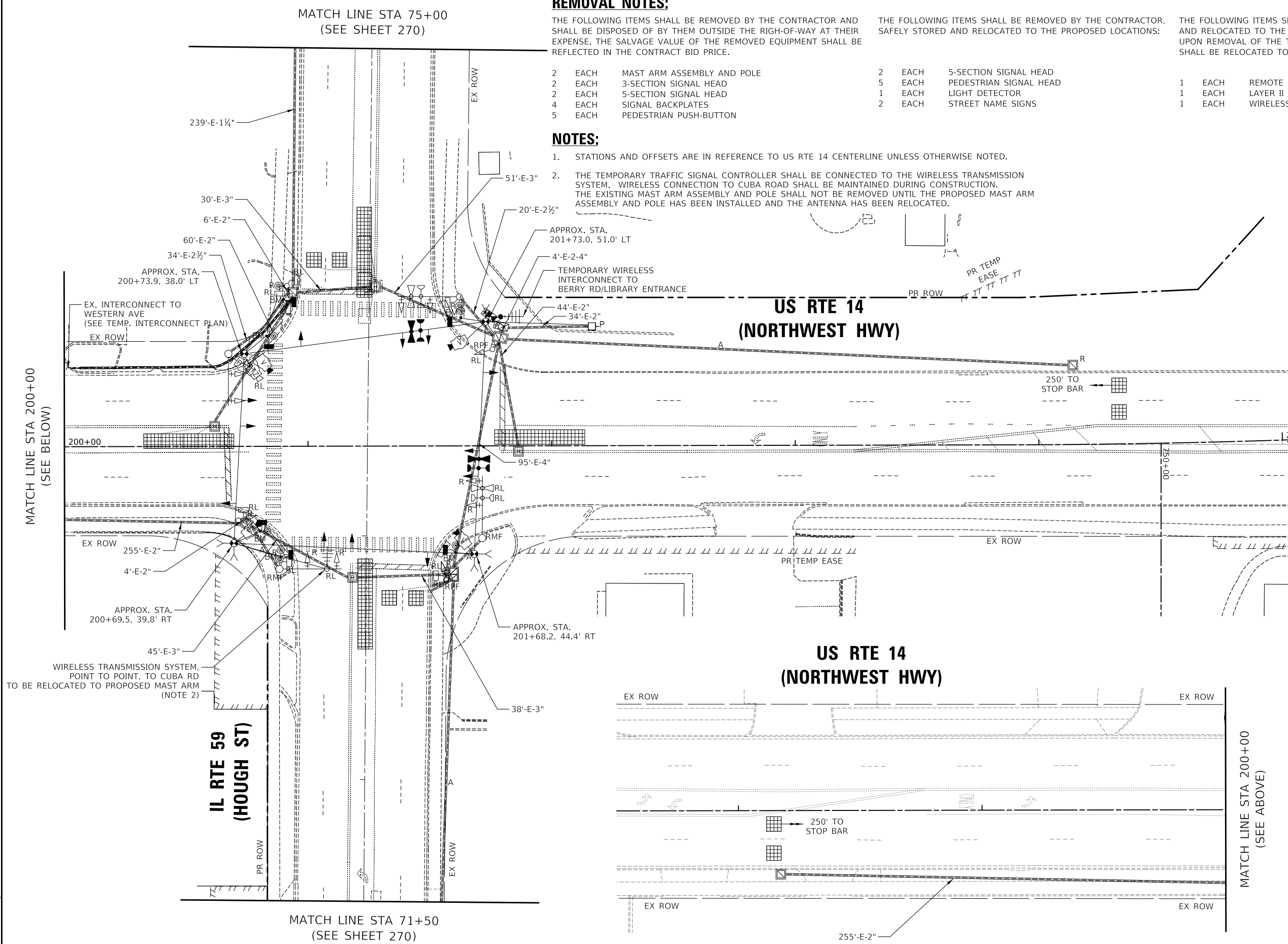
- 1 EACH REMOTE CONTROLLED VIDEO SYSTEM
- 1 EACH LAYER II (DATALINK) SWITCH
- 1 EACH WIRELESS TRANSMISSION SYSTEM, POINT TO POINT

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE TEMPORARY TRAFFIC SIGNAL CONTROLLER SHALL BE CONNECTED TO THE WIRELESS TRANSMISSION SYSTEM. WIRELESS CONNECTION TO CUBA ROAD SHALL BE MAINTAINED DURING CONSTRUCTION. THE EXISTING MAST ARM ASSEMBLY AND POLE SHALL NOT BE REMOVED UNTIL THE PROPOSED MAST ARM ASSEMBLY AND POLE HAS BEEN INSTALLED AND THE ANTENNA HAS BEEN RELOCATED.

MATCH LINE STA 200+00
(SEE BELOW)

MATCH LINE STA 200+00
(SEE ABOVE)



MODEL: \\MODELS\NAME: TS 6525 - 001.DWG
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**TS 6525
EAGLE 7B**

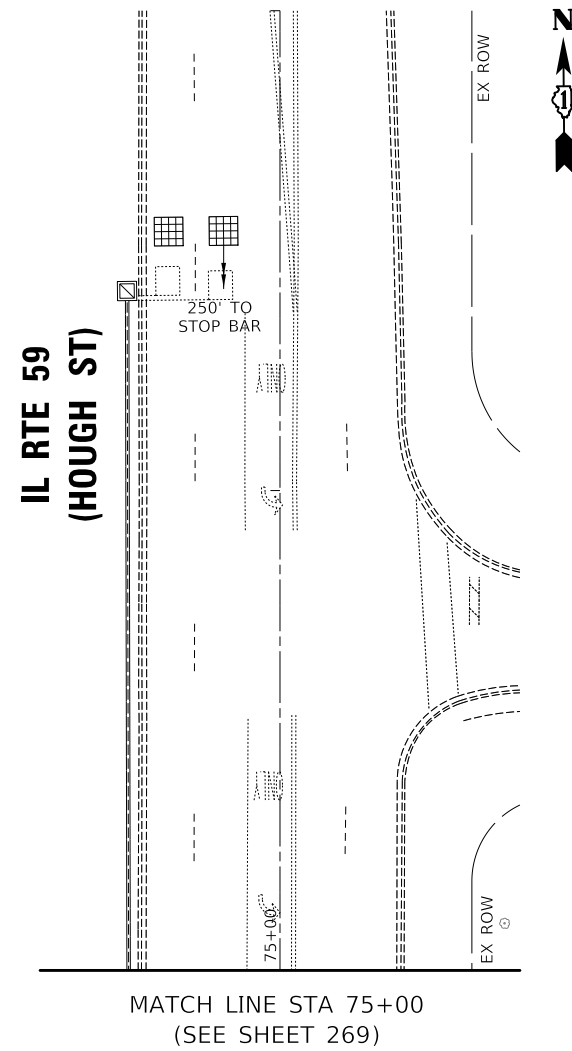
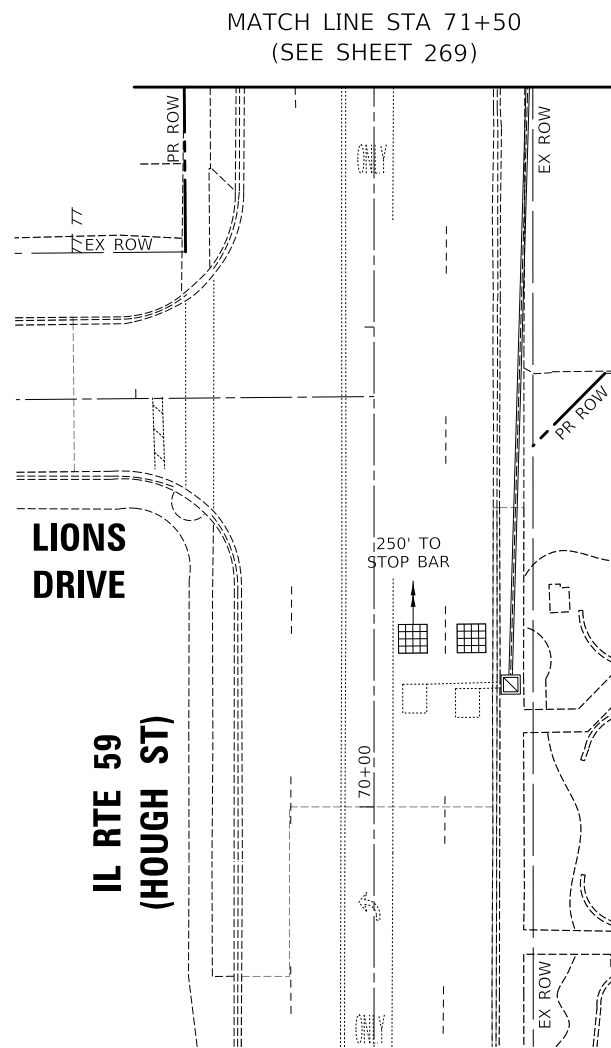
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	PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND
REMOVAL PLAN (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	269
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND
 REMOVAL PLAN (SHEET 2 OF 2)
 US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	270
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
 EAGLE 7B**



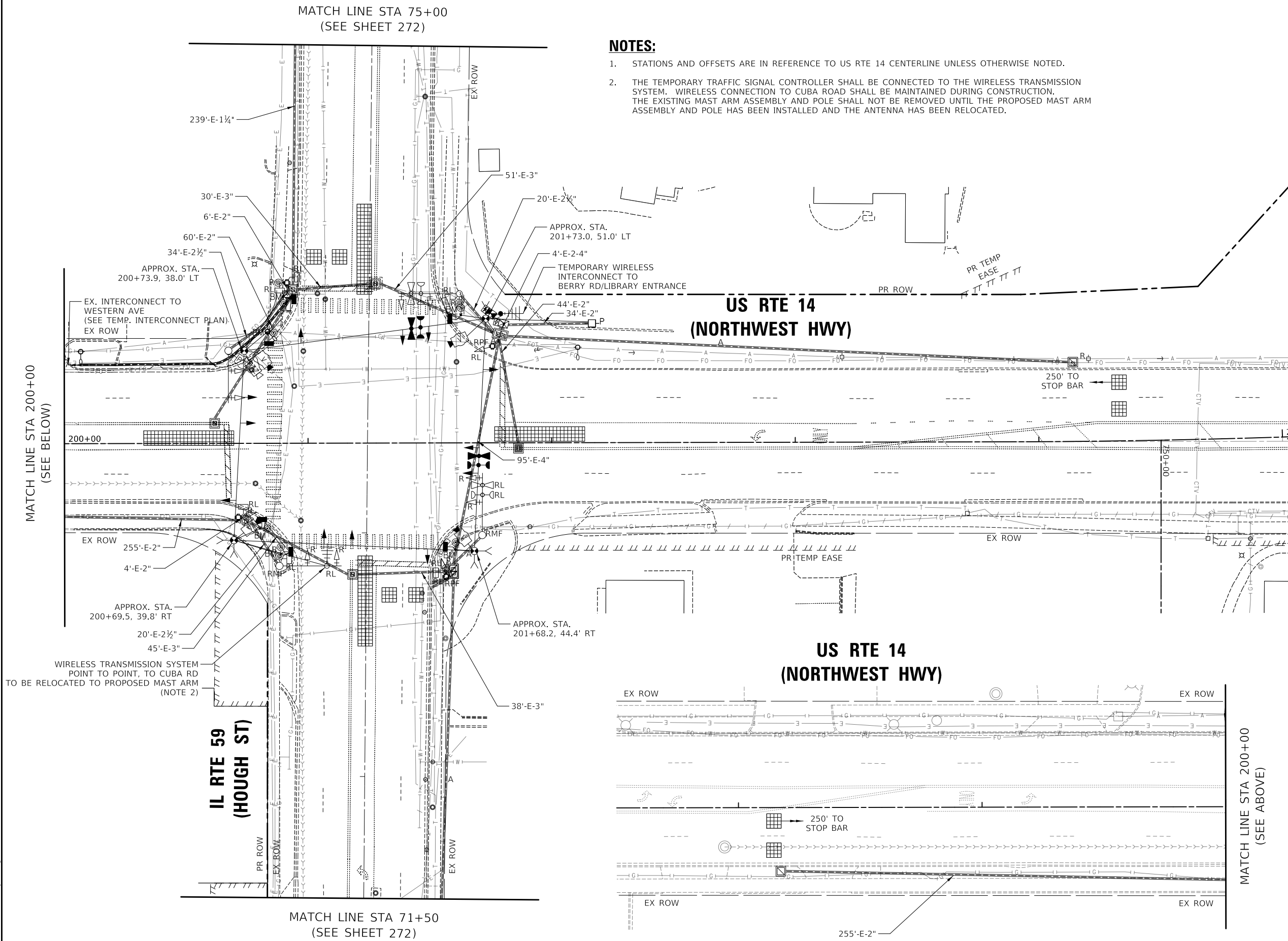
MATCH LINE STA 75+00
(SEE SHEET 272)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE TEMPORARY TRAFFIC SIGNAL CONTROLLER SHALL BE CONNECTED TO THE WIRELESS TRANSMISSION SYSTEM. WIRELESS CONNECTION TO CUBA ROAD SHALL BE MAINTAINED DURING CONSTRUCTION. THE EXISTING MAST ARM ASSEMBLY AND POLE SHALL NOT BE REMOVED UNTIL THE PROPOSED MAST ARM ASSEMBLY AND POLE HAS BEEN INSTALLED AND THE ANTENNA HAS BEEN RELOCATED.

MATCH LINE STA 200+00
(SEE BELOW)

MATCH LINE STA 200+00
(SEE ABOVE)



MATCH LINE STA 71+50
(SEE SHEET 272)

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	DATE - 08/28/2024	REVISED -

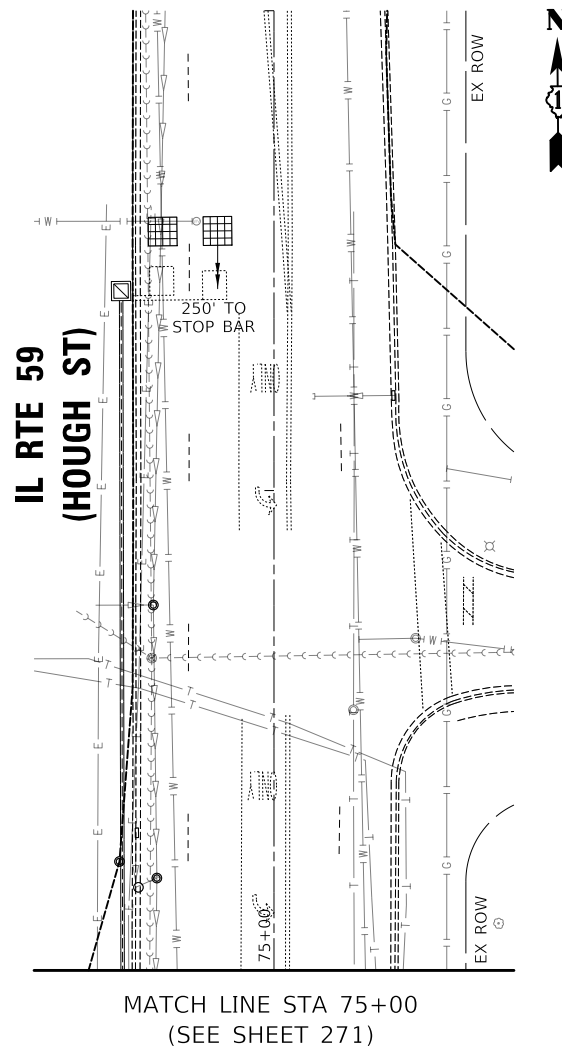
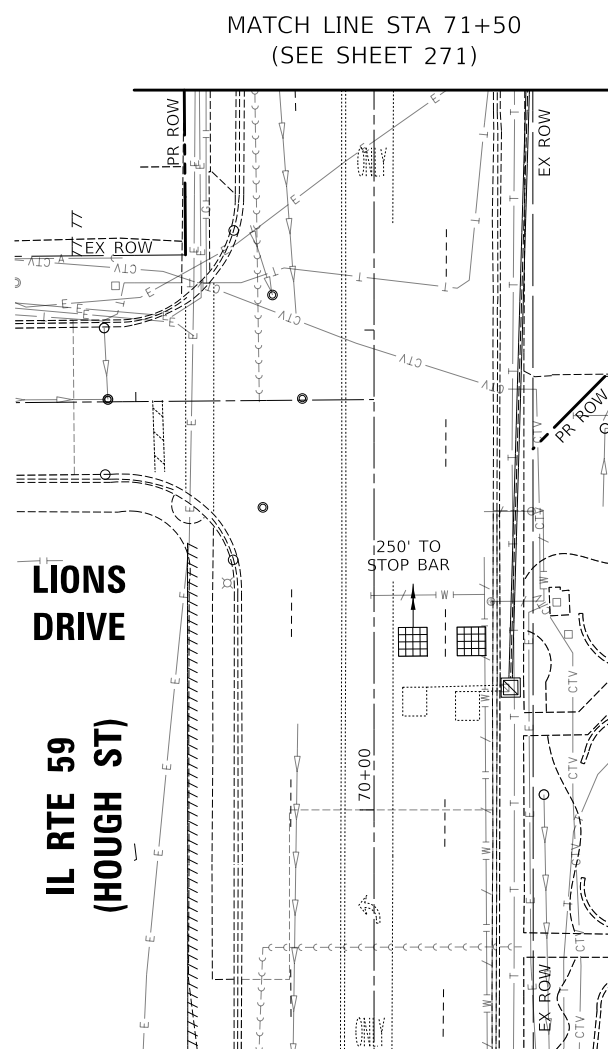
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DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
UTILITY PLAN (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 271
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



LIONS DRIVE

IL RTE 59
(HOUGH ST)

MATCH LINE STA 71+50
(SEE SHEET 271)

MATCH LINE STA 75+00
(SEE SHEET 271)

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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN UTILITY PLAN (SHEET 2 OF 2) US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)			
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	272
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



NOTES:

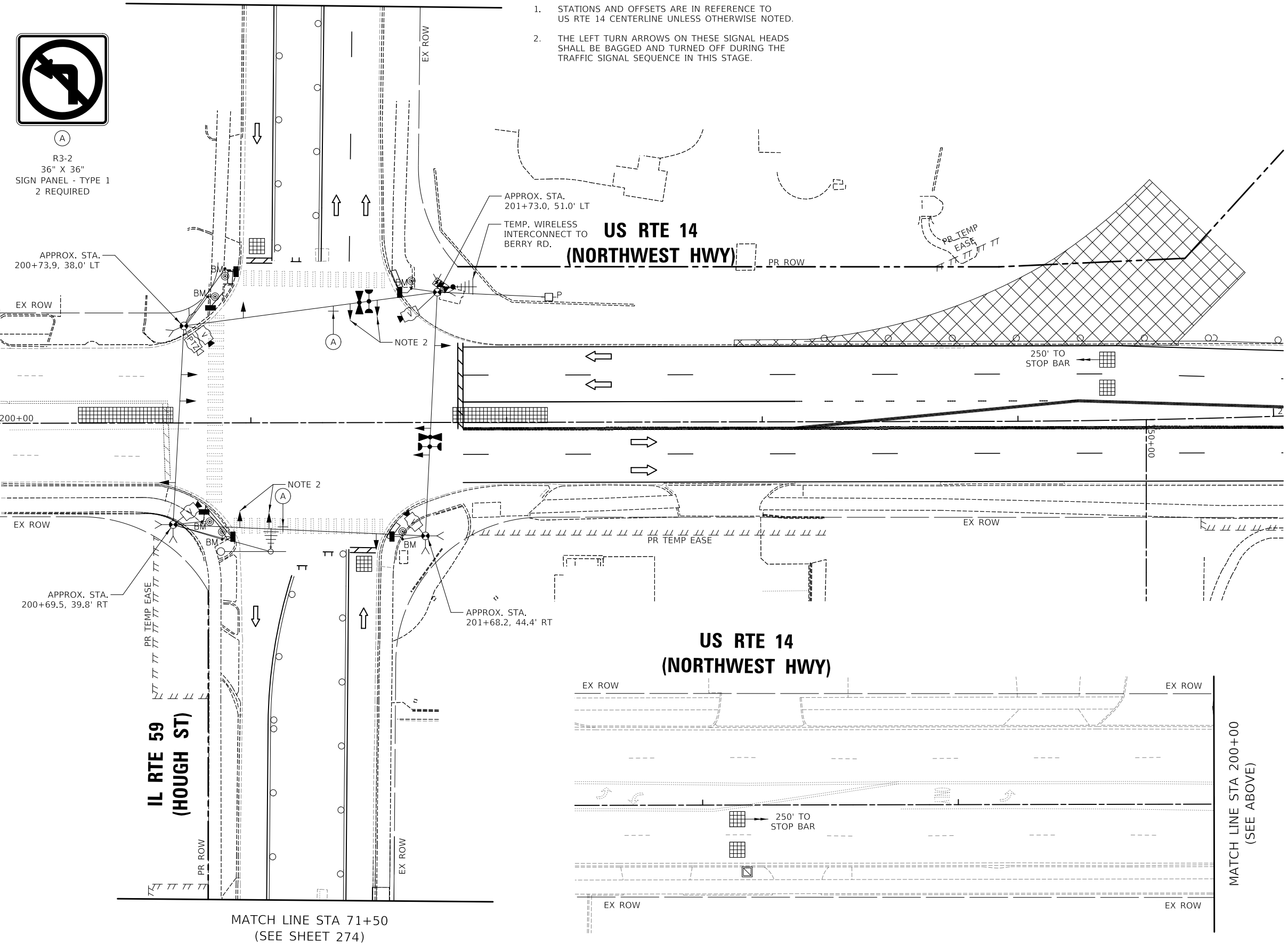
1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE LEFT TURN ARROWS ON THESE SIGNAL HEADS SHALL BE BAGGED AND TURNED OFF DURING THE TRAFFIC SIGNAL SEQUENCE IN THIS STAGE.



(A)
R3-2
36" X 36"
SIGN PANEL - TYPE 1
2 REQUIRED

MATCH LINE STA 75+00
(SEE SHEET 274)

MATCH LINE STA 200+00
(SEE BELOW)



MODEL: \\MODEL\NAME
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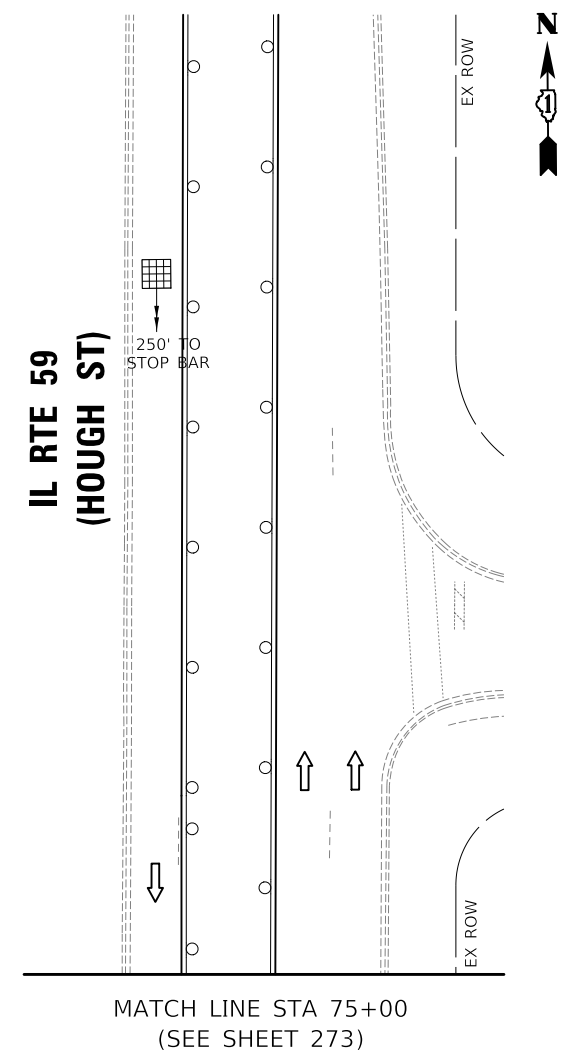
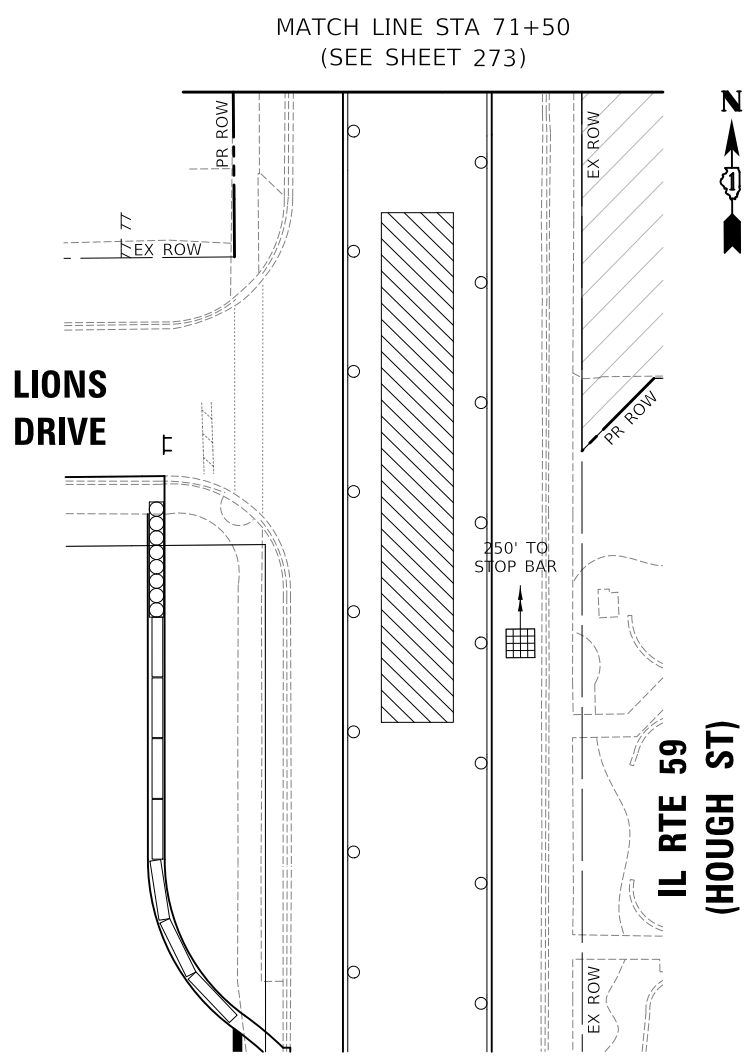
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	DATE - 08/28/2024	REVISED -

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TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 PRESTAGE (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)
 SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	273
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



MODEL: \\MODEL\NAME
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PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 PRESTAGE (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	274
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE LEFT TURN ARROWS ON THESE SIGNAL HEADS SHALL BE BAGGED AND TURNED OFF DURING THE SIGNAL SEQUENCE IN THIS STAGE.



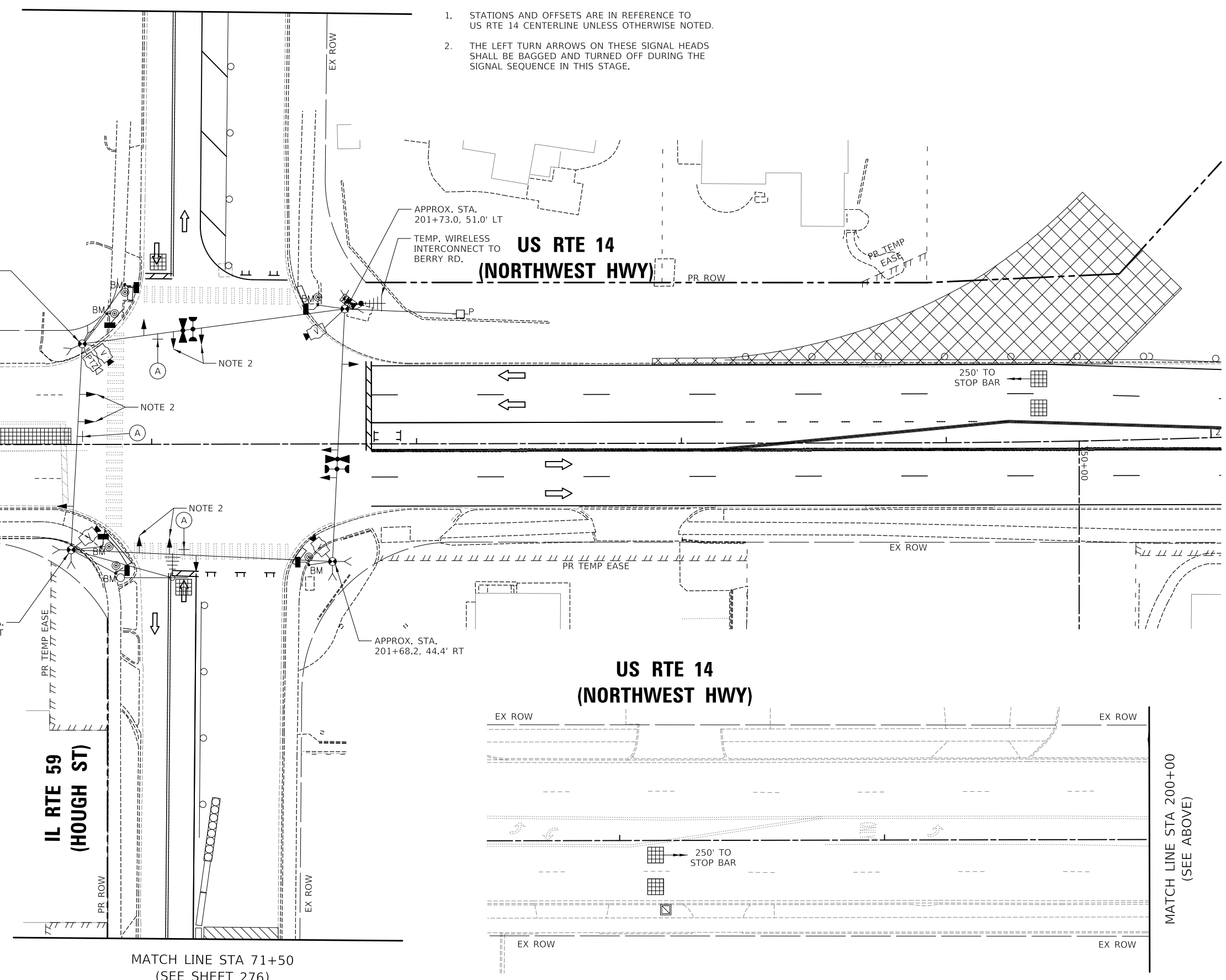
(A)
R3-2
36" X 36"
SIGN PANEL - TYPE 1
3 REQUIRED

MATCH LINE STA 75+00
(SEE SHEET 276)

MATCH LINE STA 200+00
(SEE BELOW)

MATCH LINE STA 200+00
(SEE ABOVE)

MATCH LINE STA 71+50
(SEE SHEET 276)



MODEL: \\MODEL\NAME
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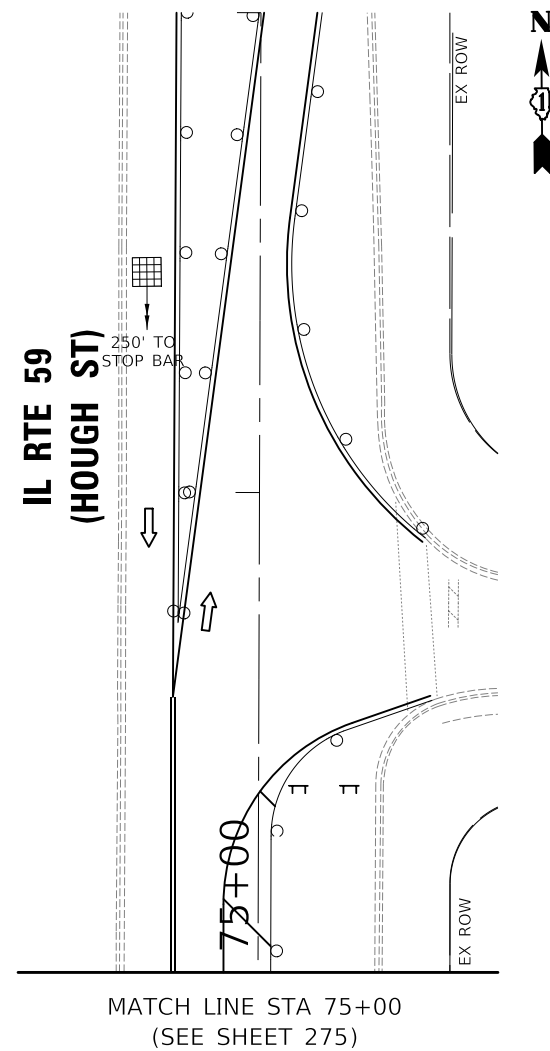
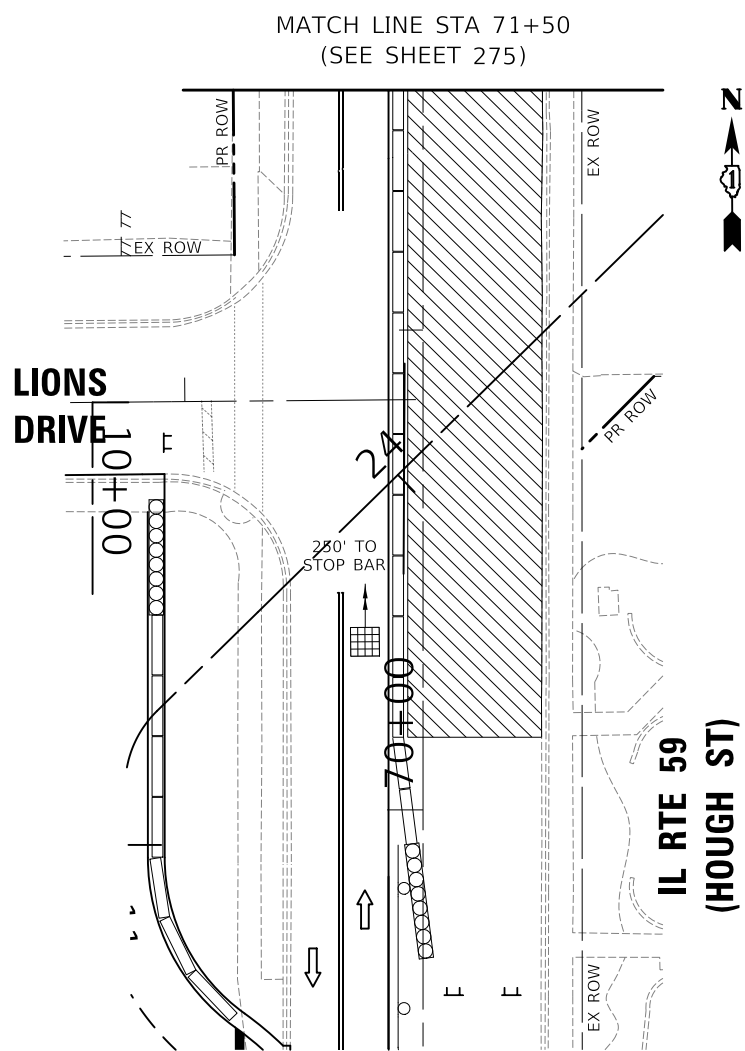
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
 PRESTAGE, IL RTE 59 STAGE 1 (SHEET 1 OF 2)
 US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	275
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
 EAGLE 7B**



MODEL: \\MODEL\NAME
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PLOT DATE = 8/28/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 STAGE 1 (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	276
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



NOTES:

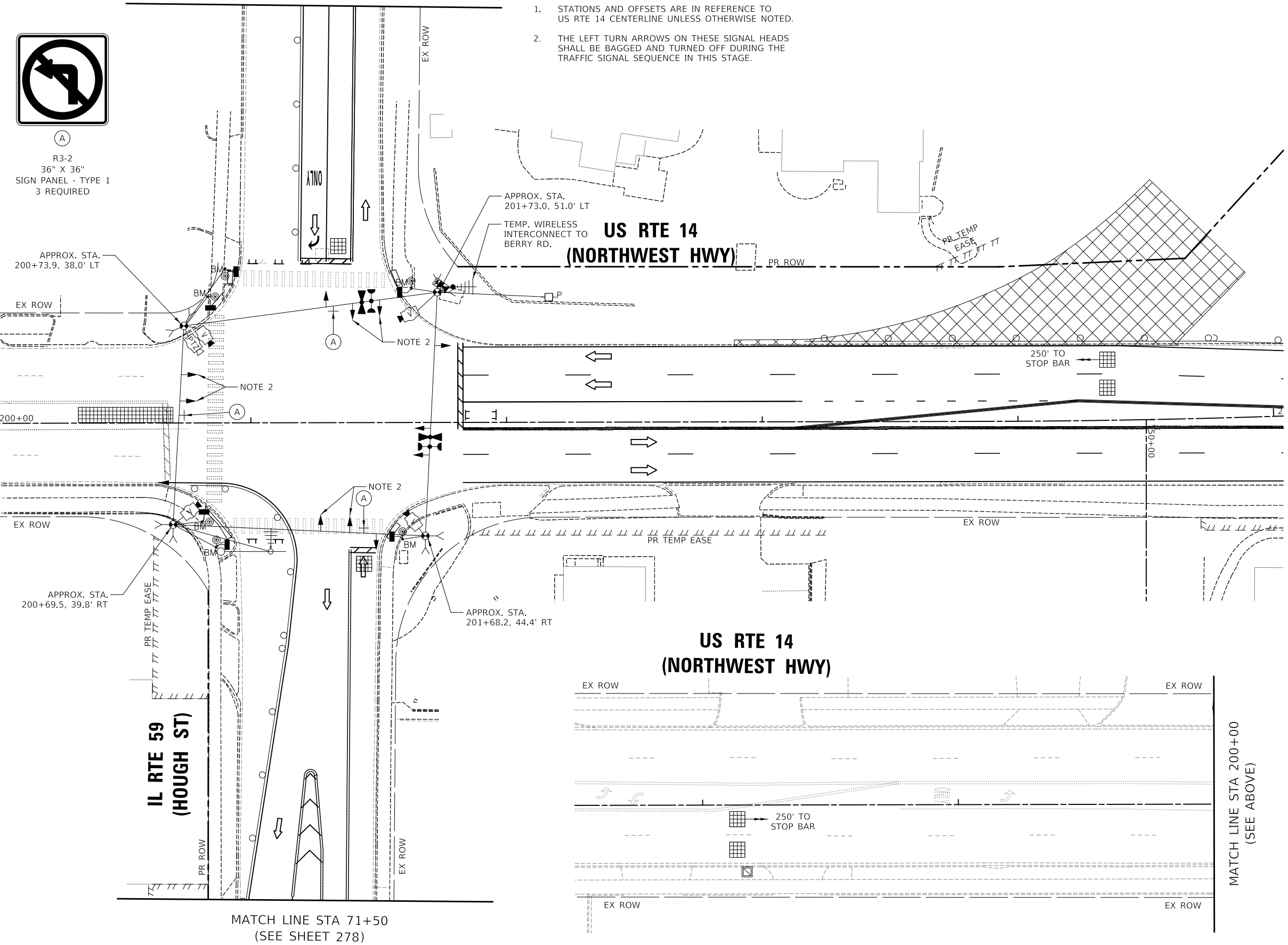
1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE LEFT TURN ARROWS ON THESE SIGNAL HEADS SHALL BE BAGGED AND TURNED OFF DURING THE TRAFFIC SIGNAL SEQUENCE IN THIS STAGE.



(A)
R3-2
36" X 36"
SIGN PANEL - TYPE 1
3 REQUIRED

MATCH LINE STA 75+00
(SEE SHEET 278)

MATCH LINE STA 200+00
(SEE BELOW)



MATCH LINE STA 71+50
(SEE SHEET 278)

MATCH LINE STA 200+00
(SEE ABOVE)

MODEL: \\MODEL\NAME
FILE: \\NAME\...010107-01-00.MOT IL 59.dwg 2.dwg

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	DATE - 08/28/2024	REVISED -

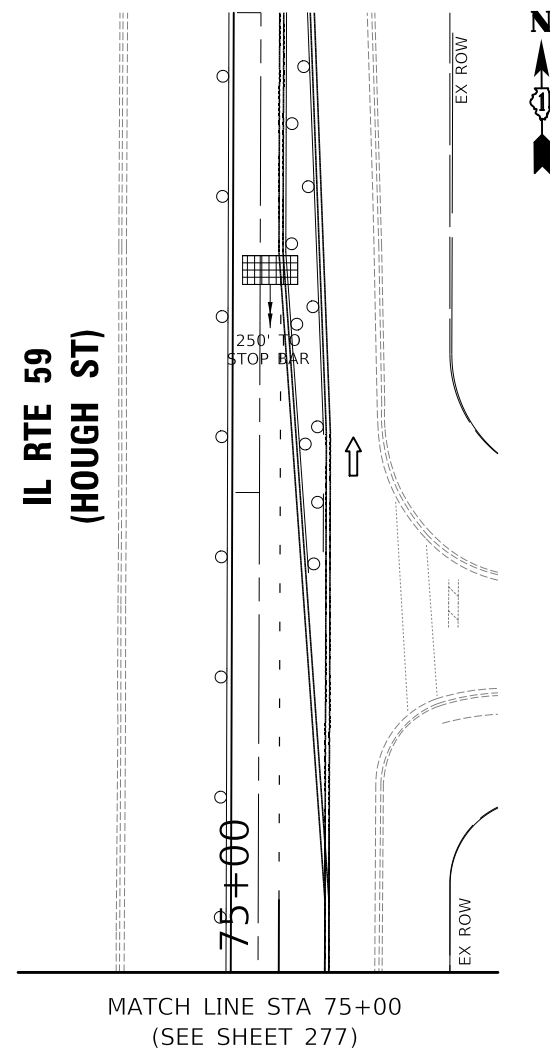
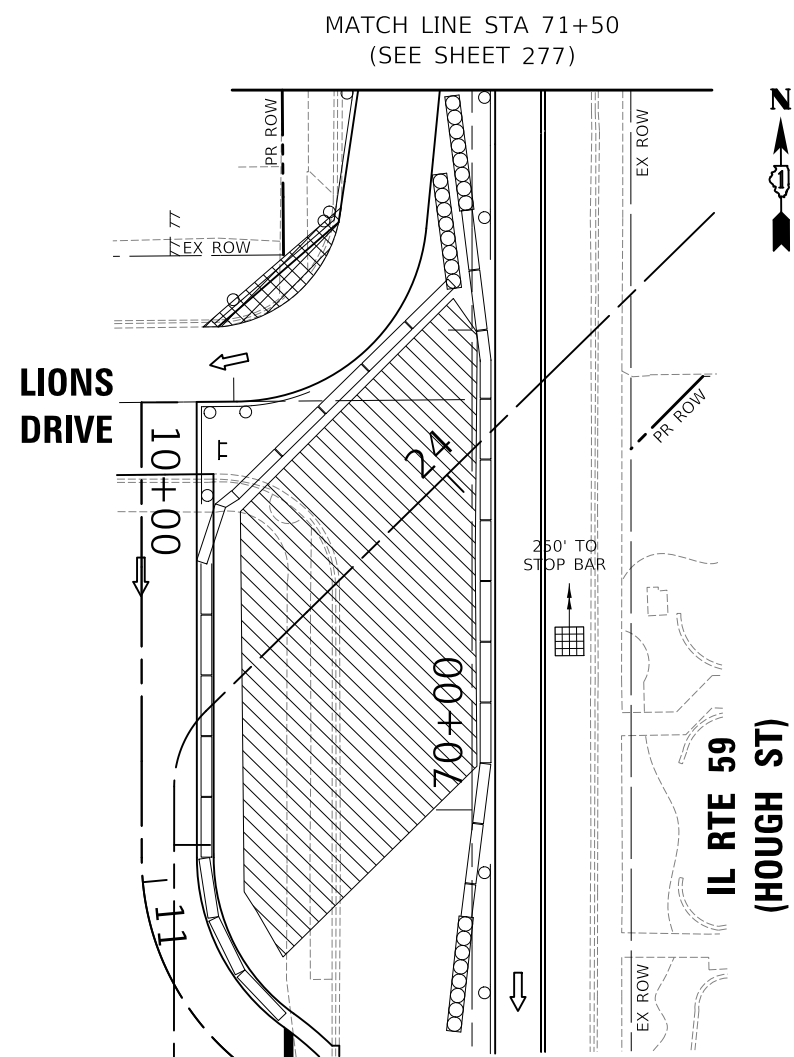
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 STAGES 2-2A (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	277
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



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PLOT DATE = 8/28/2024		

**STATE OF ILLINOIS
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**TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 STAGE 2-2A (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	278
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



NOTES:

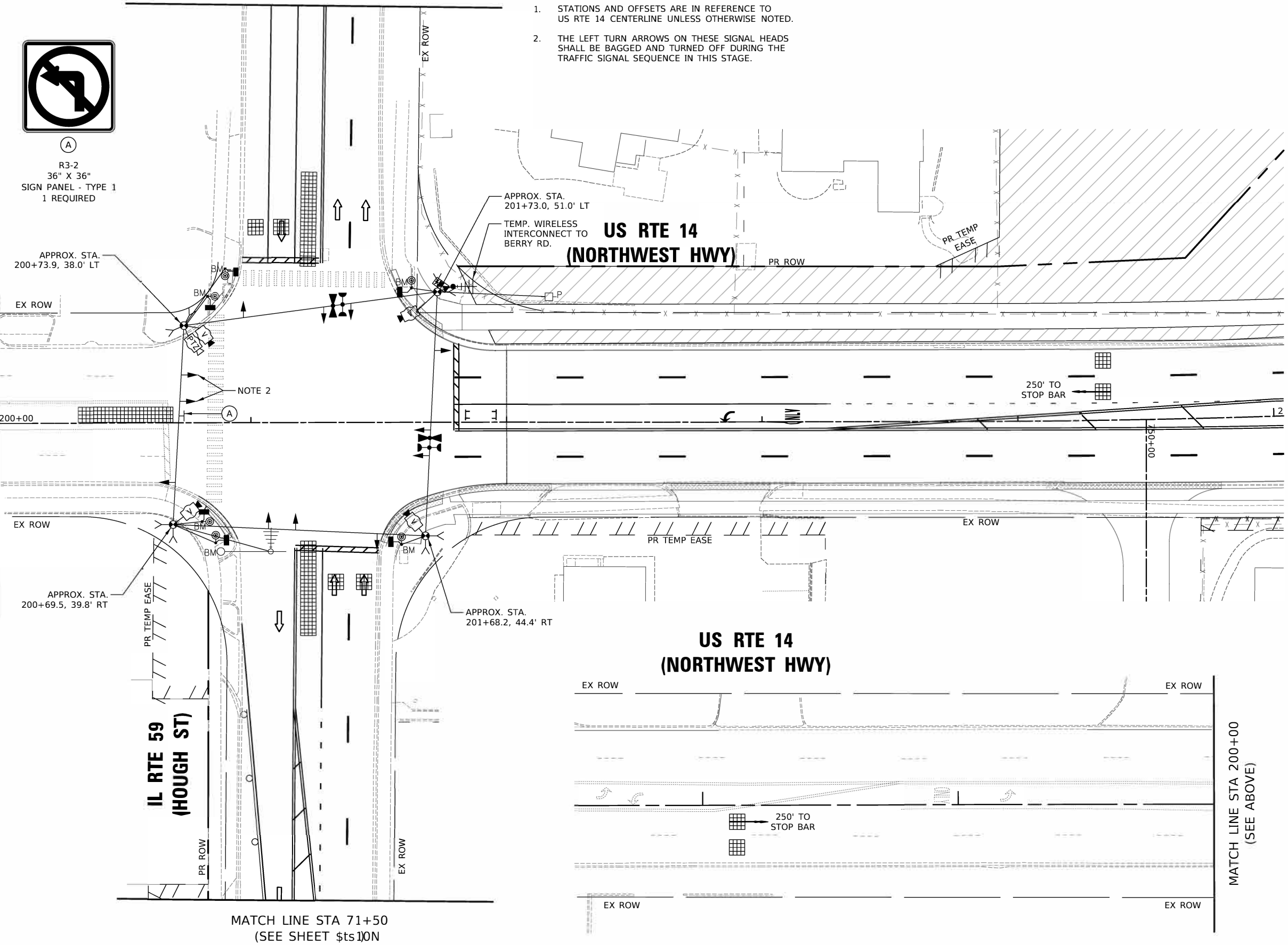
1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE LEFT TURN ARROWS ON THESE SIGNAL HEADS SHALL BE BAGGED AND TURNED OFF DURING THE TRAFFIC SIGNAL SEQUENCE IN THIS STAGE.



(A)
R3-2
36" X 36"
SIGN PANEL - TYPE 1
1 REQUIRED

MATCH LINE STA 75+00
(SEE SHEET \$ts10N

MATCH LINE STA 200+00
(SEE BELOW)




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	DATE - 08/28/2024	REVISED -

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TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 STAGE 3A (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)
 SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-G5	LAKE	816	279
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B

MODEL: \\MODEL\NAME
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DRAWN - AS	CHECKED - JJE	REVISED -
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PLOT DATE = 8/28/2024		

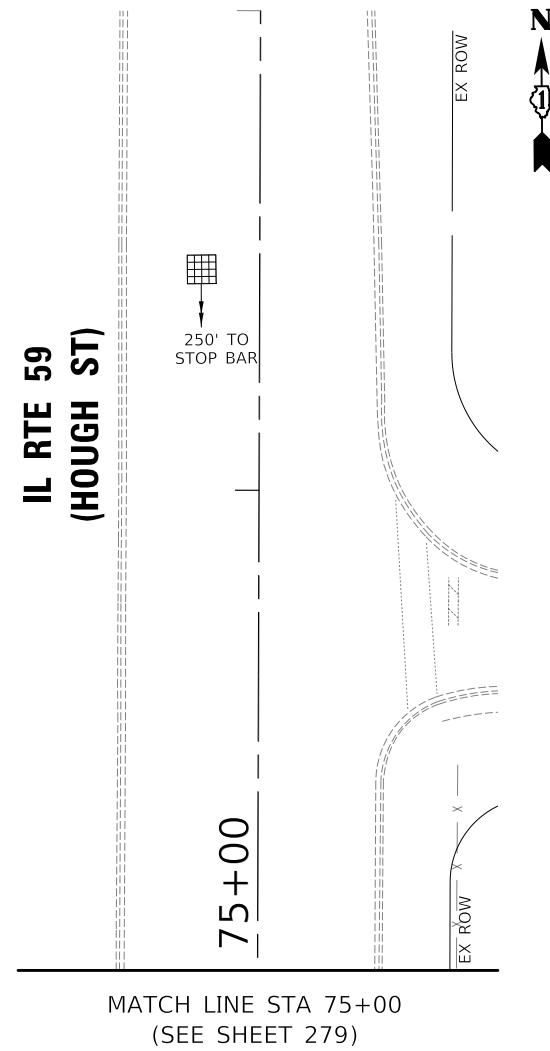
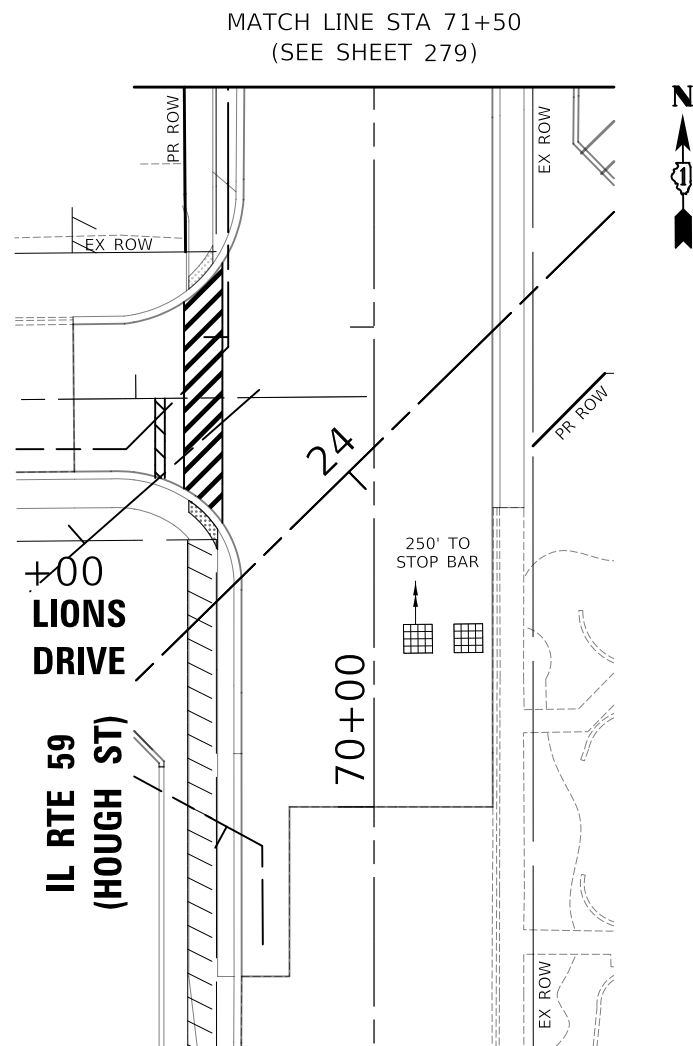
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
PRESTAGE, IL RTE 59 STAGE 3 (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	280
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

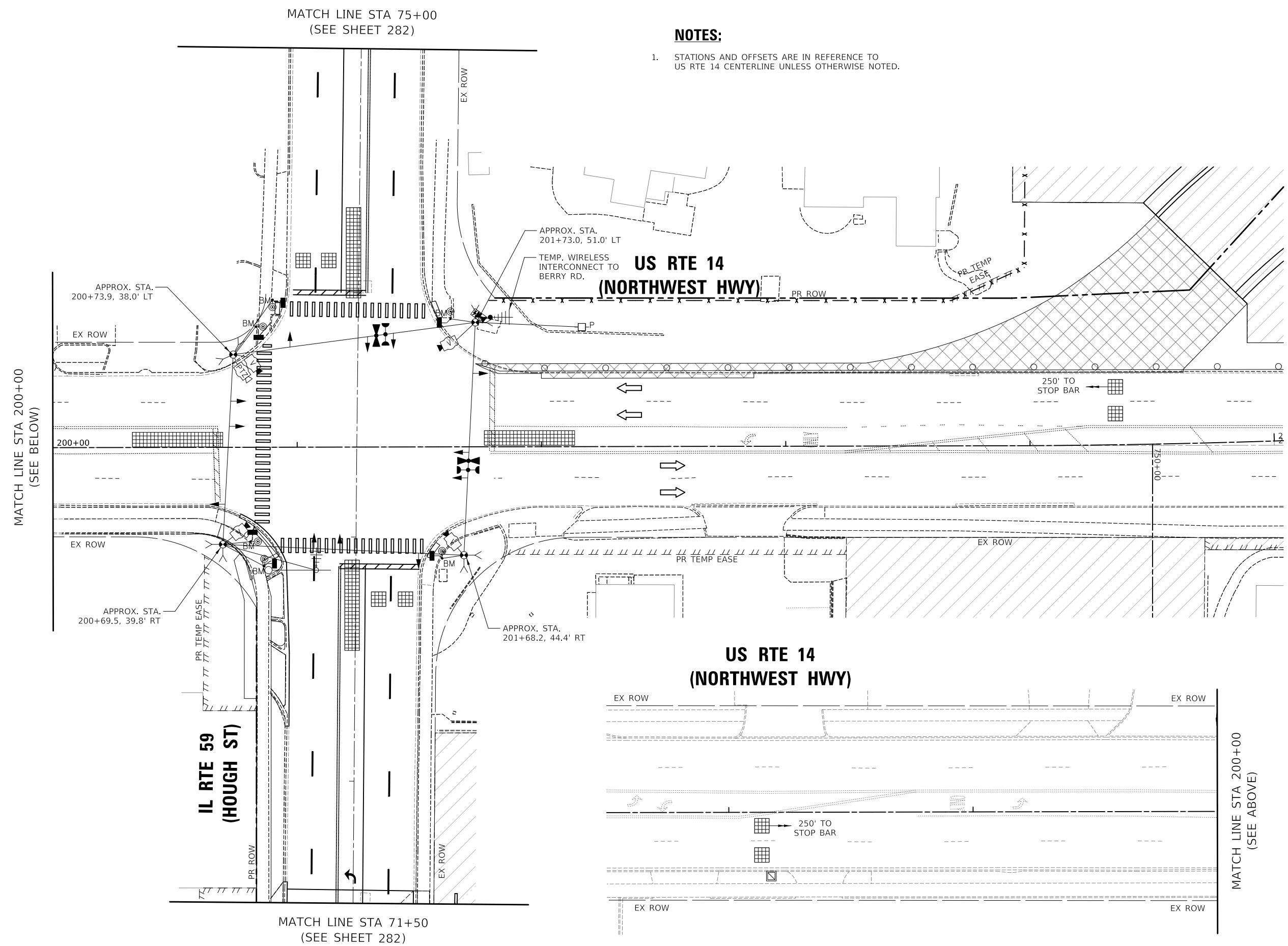
**TS 6525
EAGLE 7B**





NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.



**STATE OF ILLINOIS
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**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1 (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

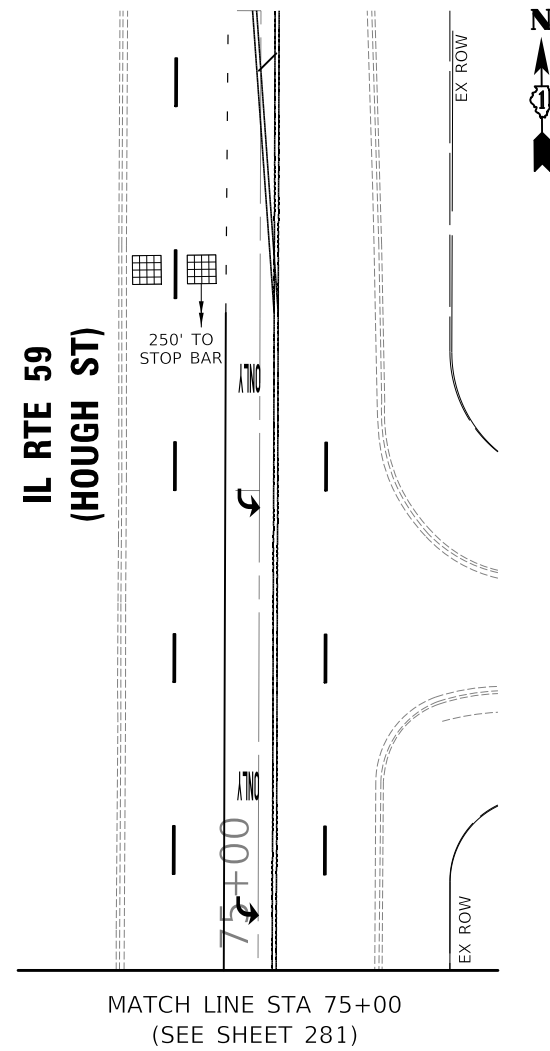
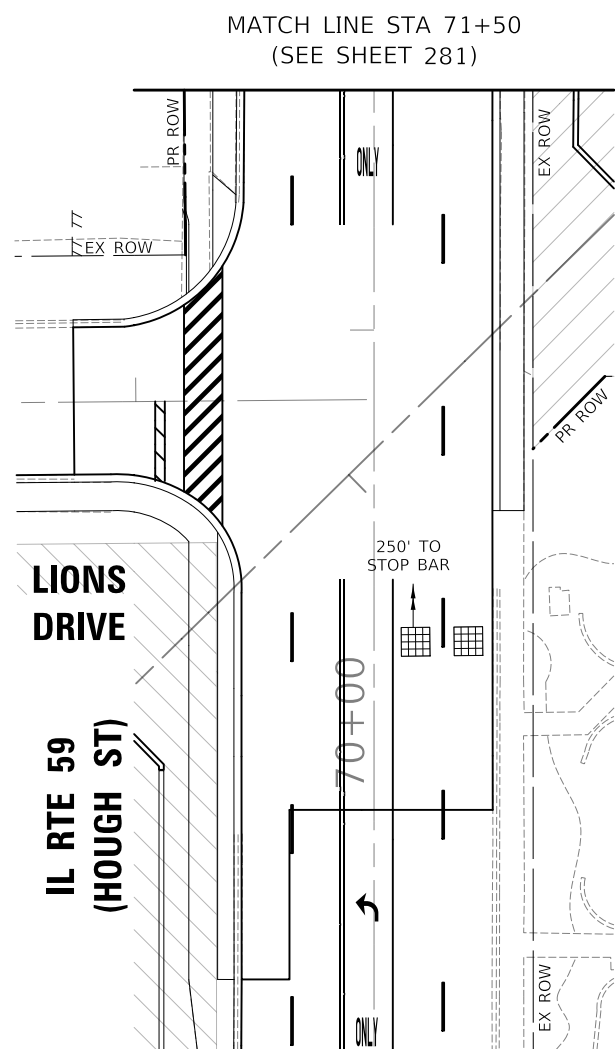
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	281
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**

MODEL: \\MODEL\NAME
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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -



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 FILE NAME: \\310101017-410-02-01 M.O.T. Stage 1.dgn

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DRAWN - AS	CHECKED - JJE	REVISED -
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PLOT DATE = 8/28/2024		

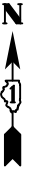
STATE OF ILLINOIS
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TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1 (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-G5	LAKE	816	282
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



MATCH LINE STA 75+00
(SEE SHEET 284)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA 200+00
(SEE BELOW)

APPROX. STA.
200+73.9, 38.0' LT

EX ROW

200+00

EX ROW

APPROX. STA.
200+69.5, 39.8' RT

**IL RTE 59
(HOUGH ST)**

MATCH LINE STA 71+50
(SEE SHEET 284)

APPROX. STA.
201+73.0, 51.0' LT

TEMP. WIRELESS
INTERCONNECT TO
BERRY RD.

**US RTE 14
(NORTHWEST HWY)**

PR ROW

PR TEMP
EASE

250' TO
STOP BAR

200+00

EX ROW

**US RTE 14
(NORTHWEST HWY)**

EX ROW

EX ROW

EX ROW

EX ROW

MATCH LINE STA 200+00
(SEE ABOVE)

MODEL: \\MODEL\NAME
FILE: \\NAME\...1031037-rlc-CS-01-01.MOT_Signt_1A.dgn

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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

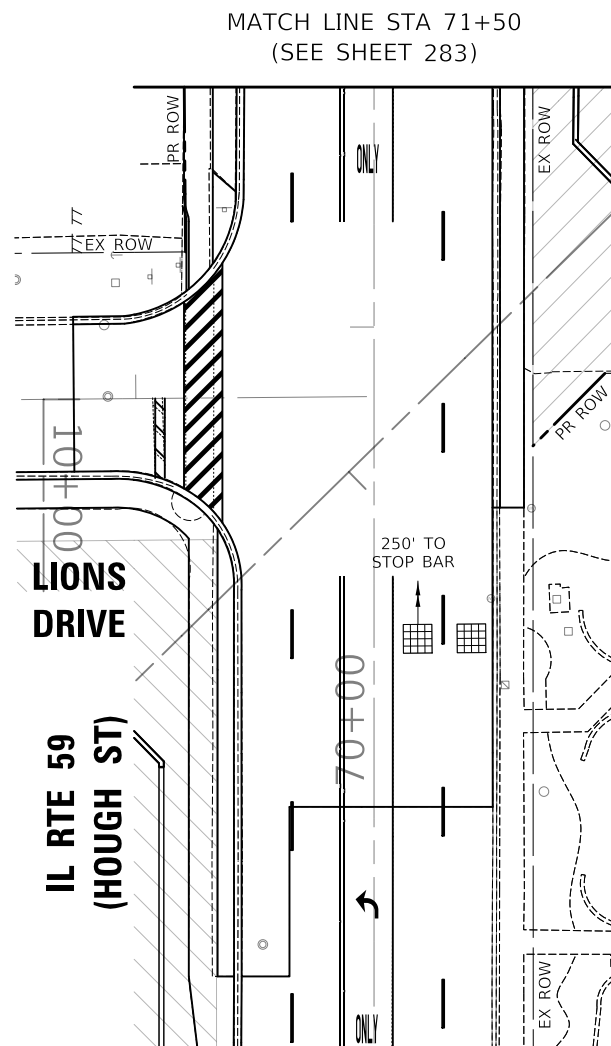
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1A (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

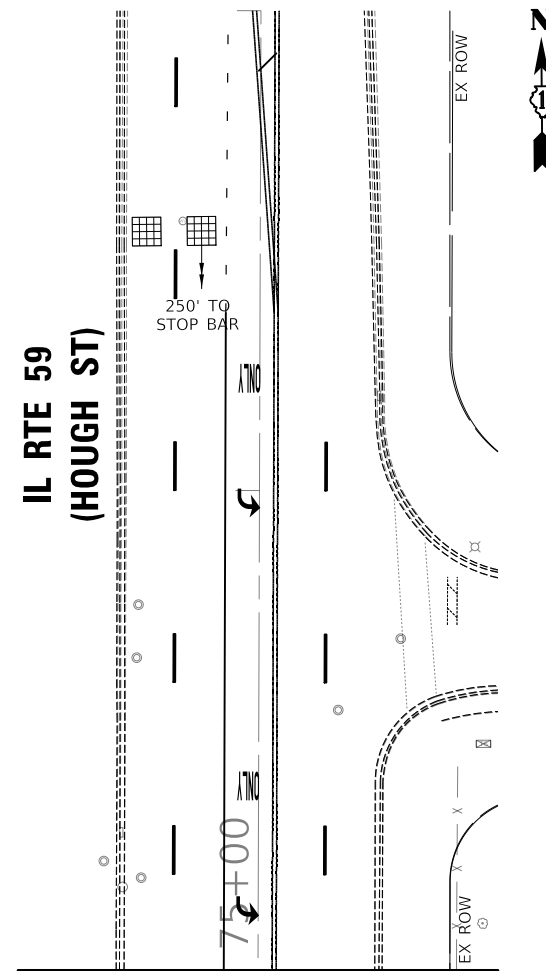
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	283
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



MATCH LINE STA 71+50
(SEE SHEET 283)



MATCH LINE STA 75+00
(SEE SHEET 283)



STATE OF ILLINOIS
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TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1A (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	284
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B

MODEL: \\MODEL\NAME
FILE NAME: \\3101087-00-GS-1A.dgn

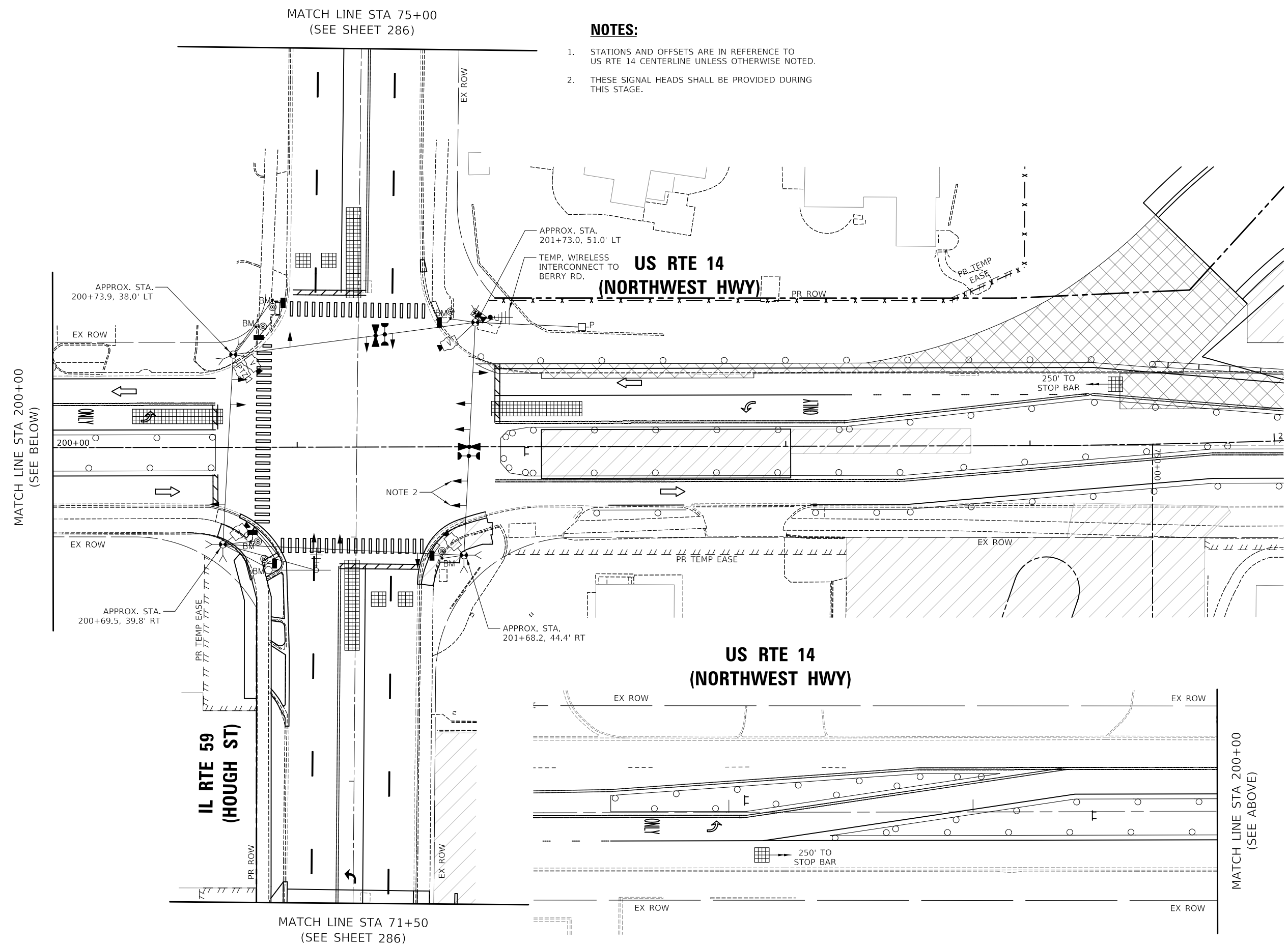
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PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -



NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THESE SIGNAL HEADS SHALL BE PROVIDED DURING THIS STAGE.



MODEL: \\MODEL\NAME
 FILE: \\NAME\...1031032-PLN-CS-1-01.MOT Stage 1B.dgn


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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

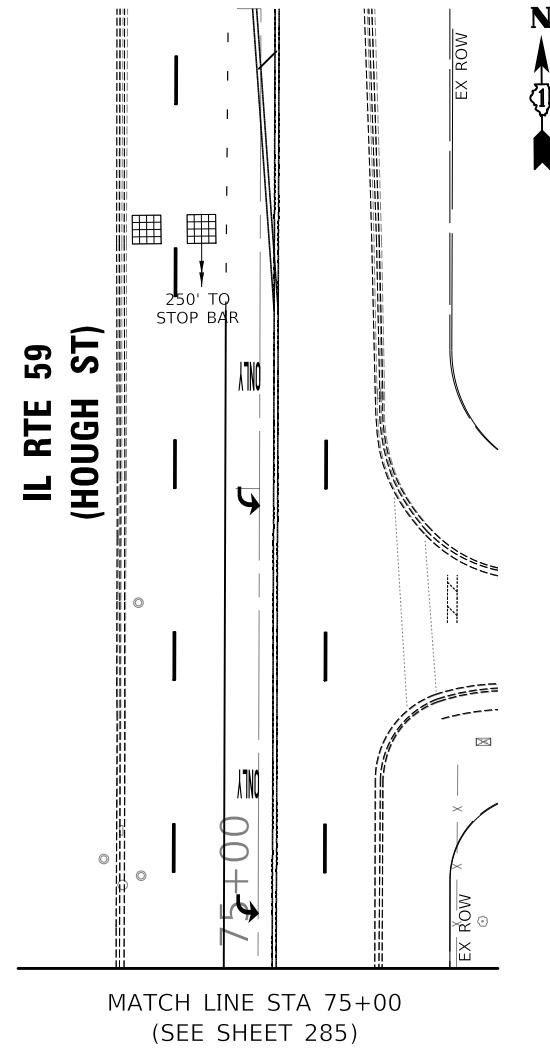
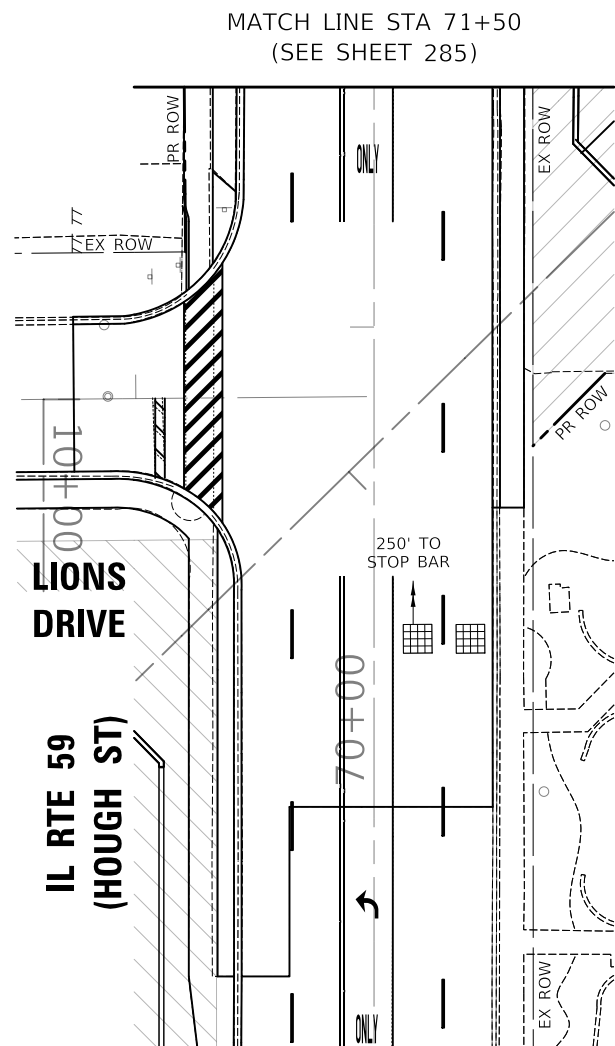
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1B (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	285
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



MODEL: \\MODEL\NAME
 FILE: NAME - 03101074-rlt-CS-02-01_MOT_Stage_1B.dwg

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PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1B (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

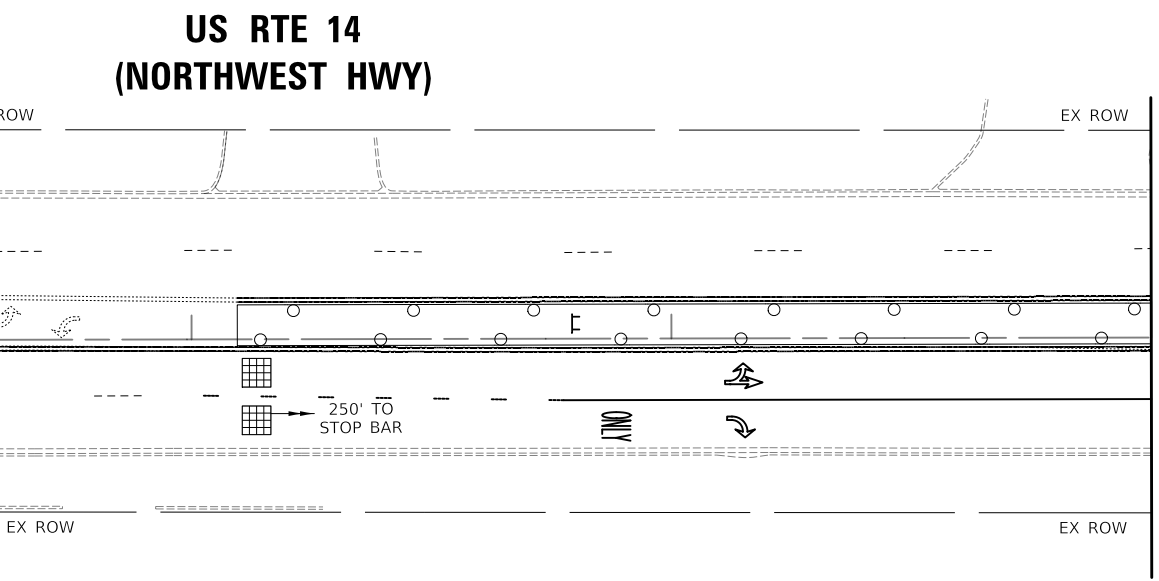
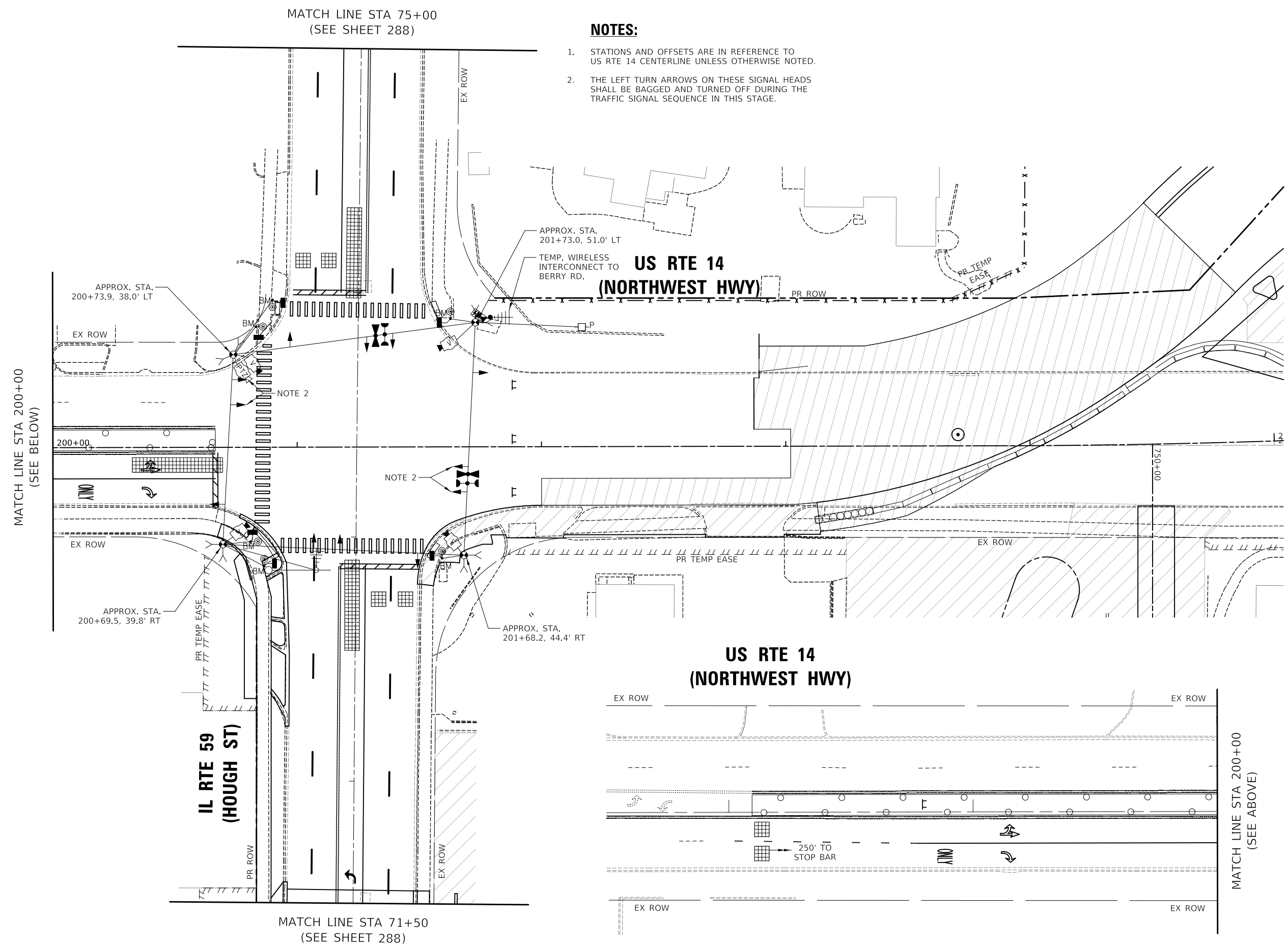
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	286
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THE LEFT TURN ARROWS ON THESE SIGNAL HEADS SHALL BE BAGGED AND TURNED OFF DURING THE TRAFFIC SIGNAL SEQUENCE IN THIS STAGE.



MODEL: \\MODEL\NAME
 FILE: \\NAME - 0310187-101-101-01.MOT Stage 1C.dgn


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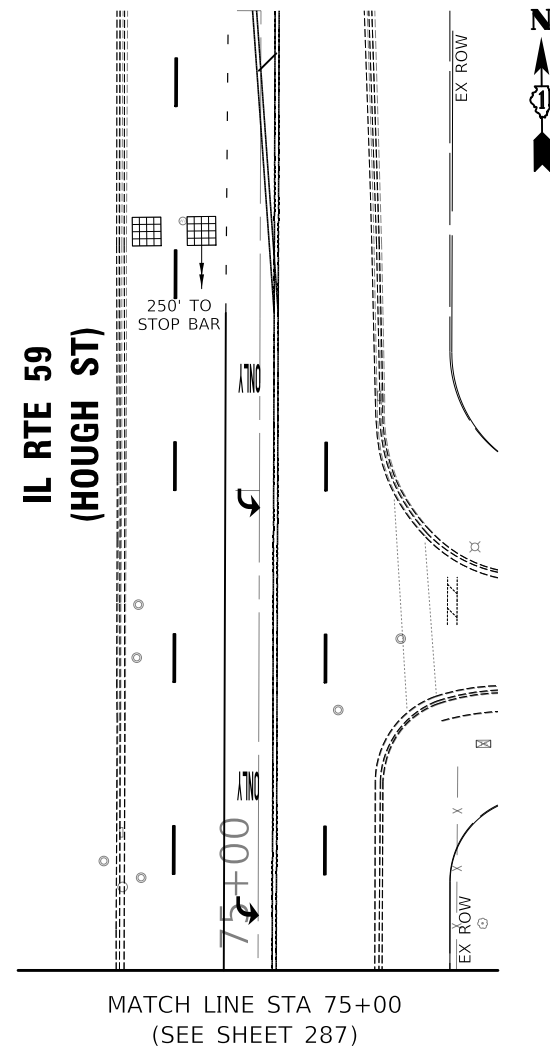
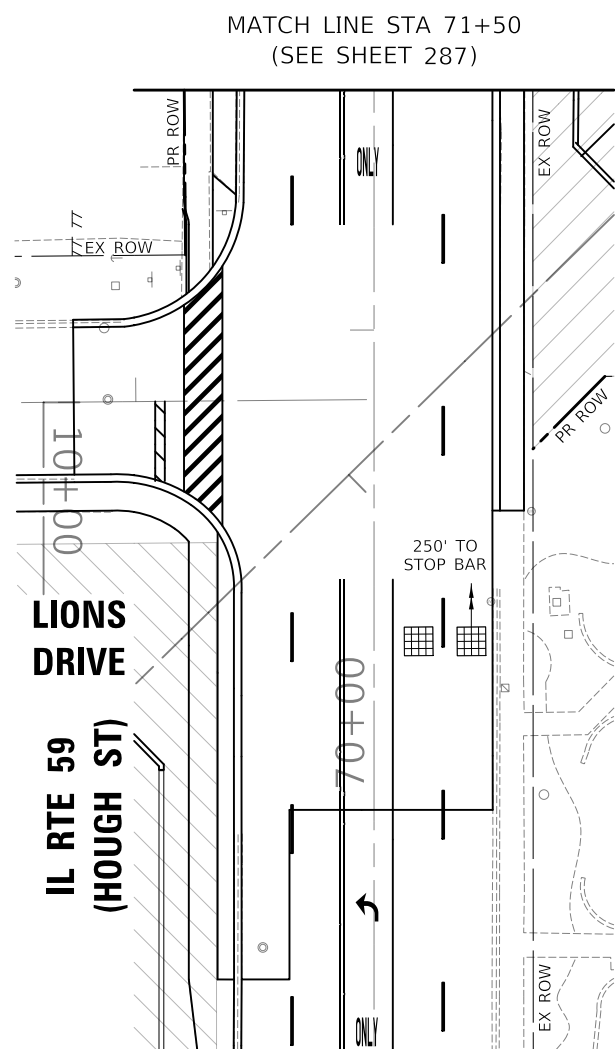
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PLOT SCALE = 40,0000 ' / in.	DRAWN - AS	REVISED -
PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1C (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)
 SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	287
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B



MODEL: \\MODEL\NAME
FILE NAME: \\3103\1072-plc-CS-11-02-01_MOT_Sigap_1C.dgn

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PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 1C (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	288
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**

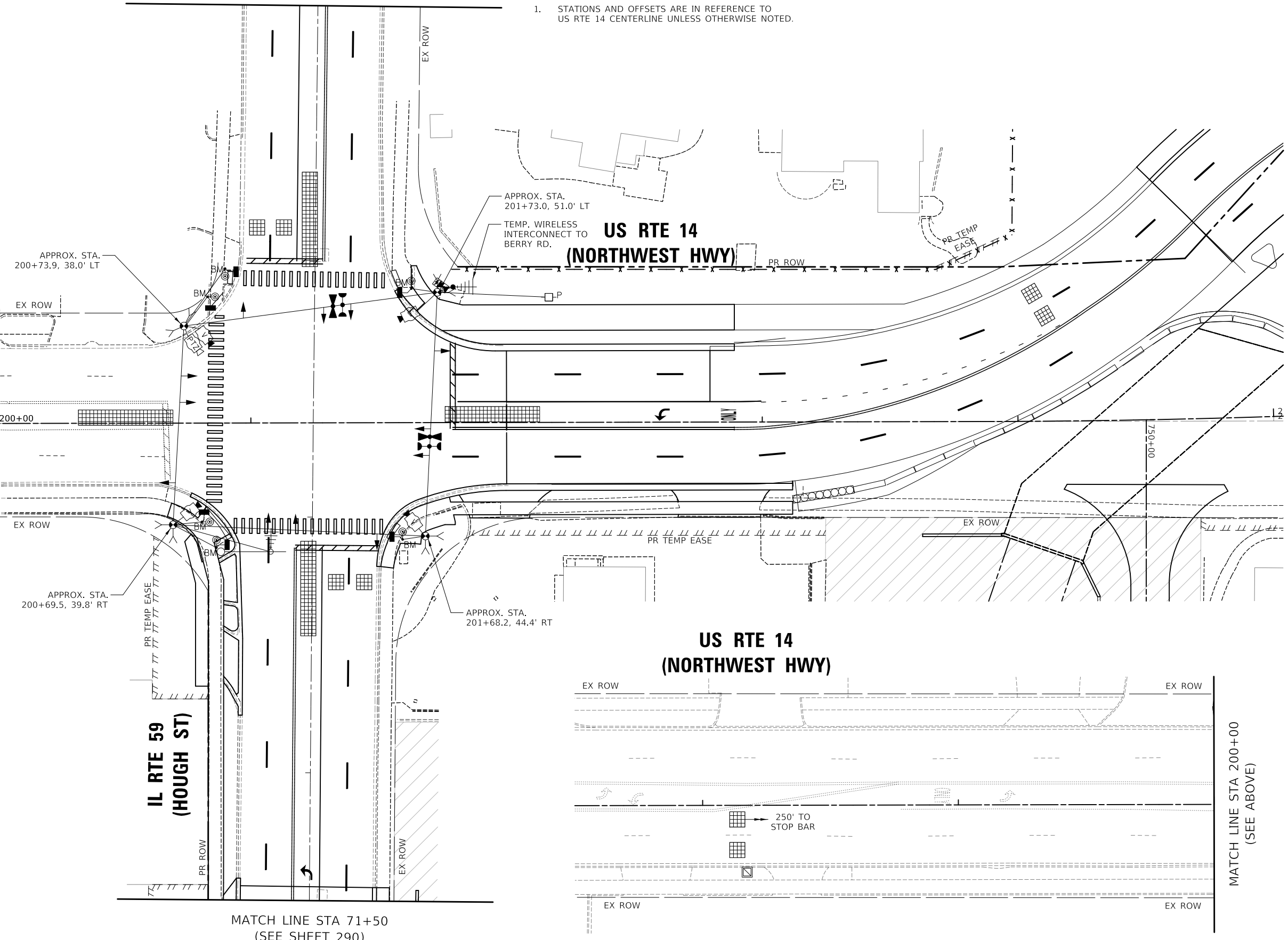


MATCH LINE STA 75+00
(SEE SHEET 290)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA 200+00
(SEE BELOW)



MATCH LINE STA 200+00
(SEE ABOVE)

MODEL: \\MODEL\NAME
 FILE: \\NAME - 0310187-2-01-C5-01-02_MOT_Sigap_2.dgn

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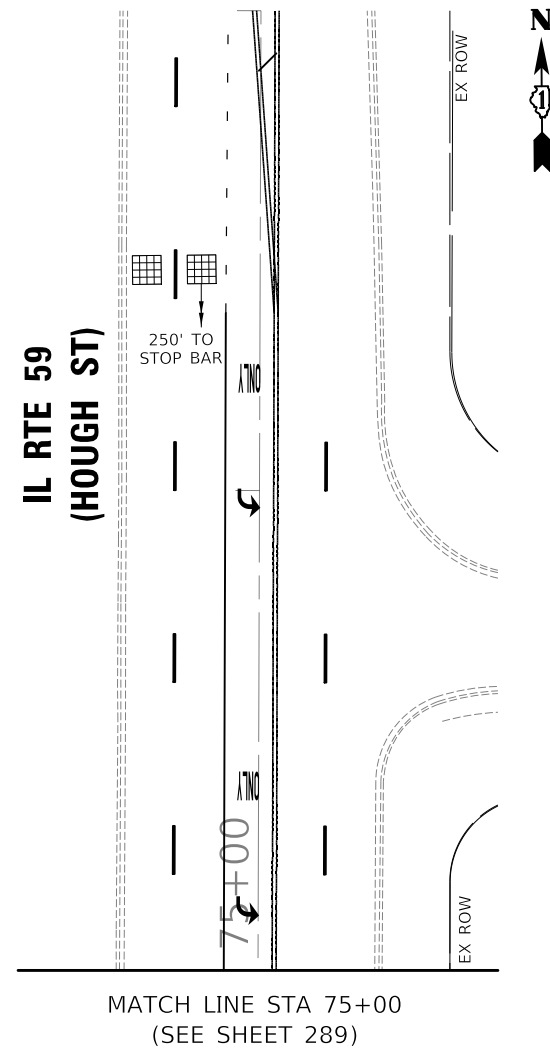
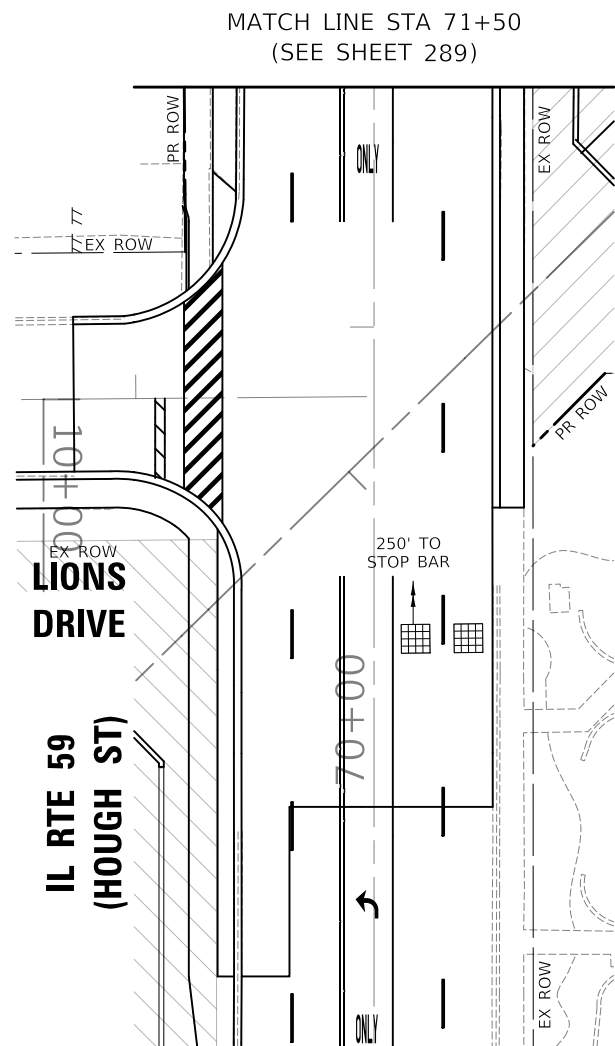
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2 (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	289
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



MODEL: \\MODEL\NAME
 FILE NAME: \\310101017-rlc-CS-11-02-MOT_Sigap_2.dgn

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PLOT SCALE = 40,0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
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TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2 (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	290
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B

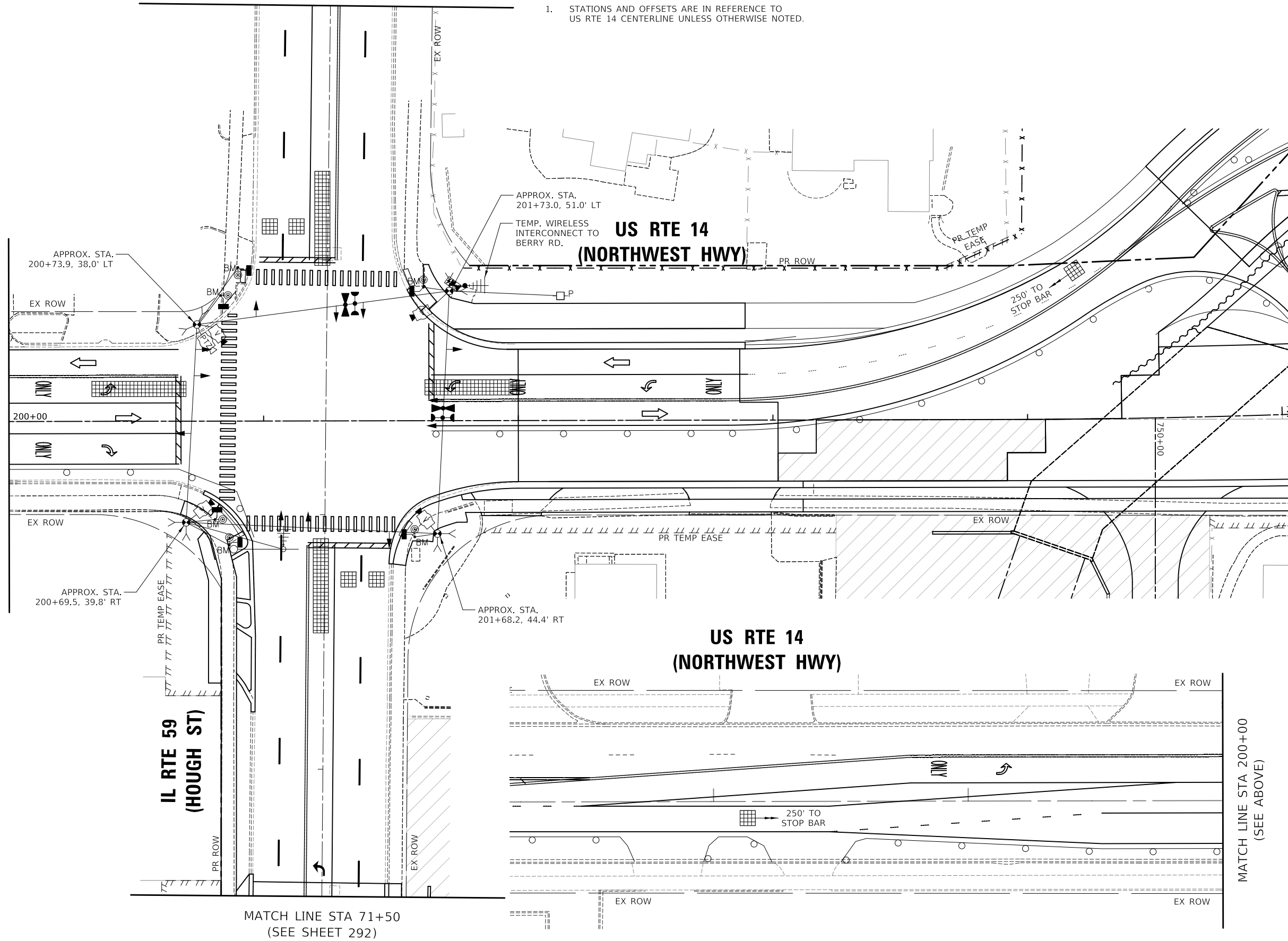


MATCH LINE STA 75+00
(SEE SHEET 292)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA 200+00
(SEE BELOW)



APPROX. STA. 200+73.9, 38.0' LT

APPROX. STA. 201+73.0, 51.0' LT

**US RTE 14
(NORTHWEST HWY)**

200+00

75+00

APPROX. STA. 200+69.5, 39.8' RT

APPROX. STA. 201+68.2, 44.4' RT

**US RTE 14
(NORTHWEST HWY)**

**IL RTE 59
(HOUGH ST)**

MATCH LINE STA 200+00
(SEE ABOVE)

MATCH LINE STA 71+50
(SEE SHEET 292)

MODEL: \\MODEL\NAME: \\NAME: \\0310137-01-02-MOT-Stage 2A.dgn

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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

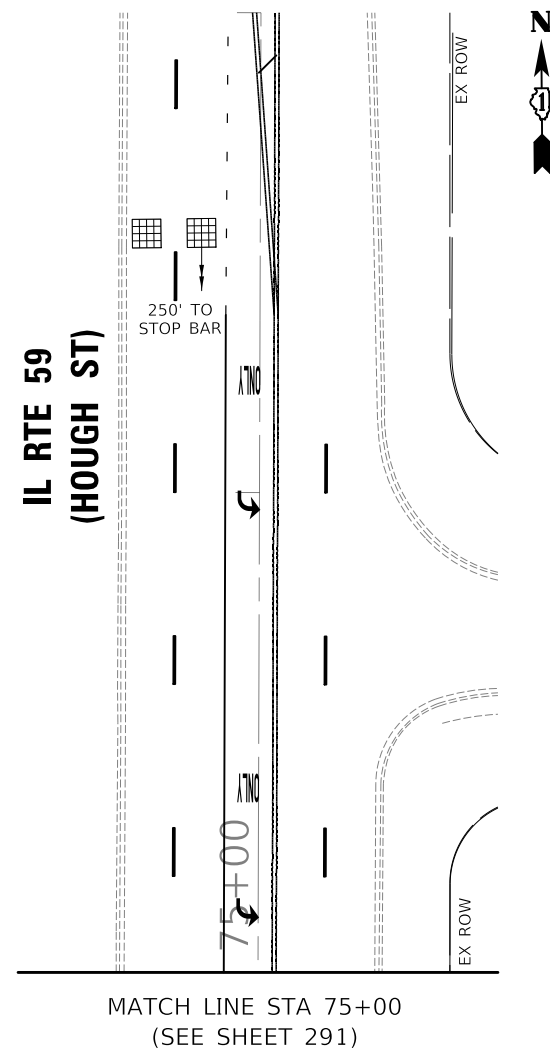
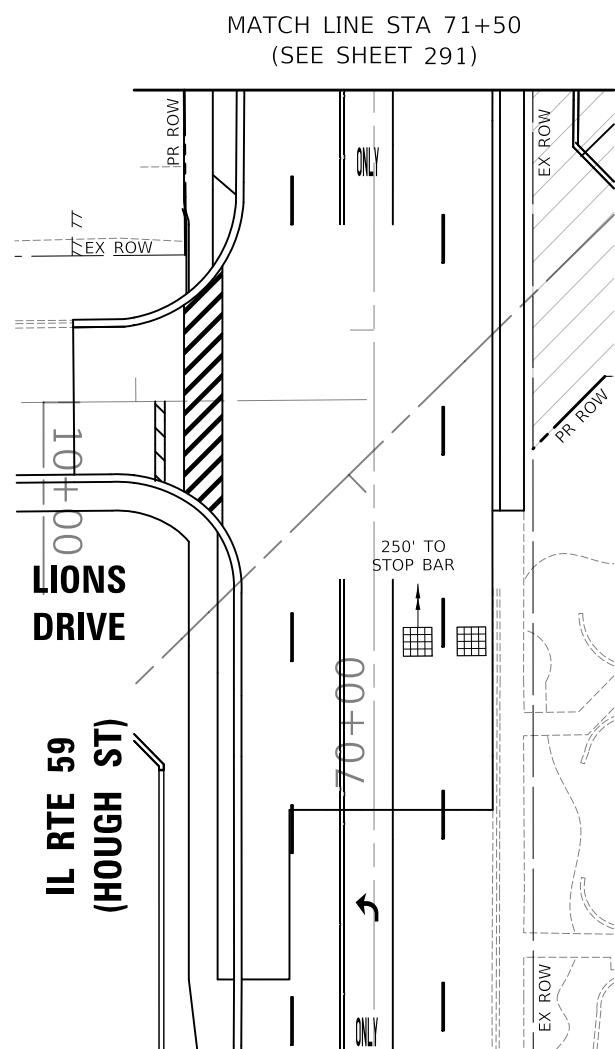
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2A (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE. 305	SECTION 11-00087-00-GS	COUNTY LAKE	TOTAL SHEETS 816	SHEET NO. 291
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



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 FILE NAME: \\31010107-rlt-CS-11-02_MOT_Stage_2A.dgn

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DRAWN - AS	CHECKED - JJE	REVISED -
PLOT SCALE = 40.0000' / in.	DATE - 08/28/2024	REVISED -
PLOT DATE = 8/28/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2A (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	292
				CONTRACT NO. 61J87
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B

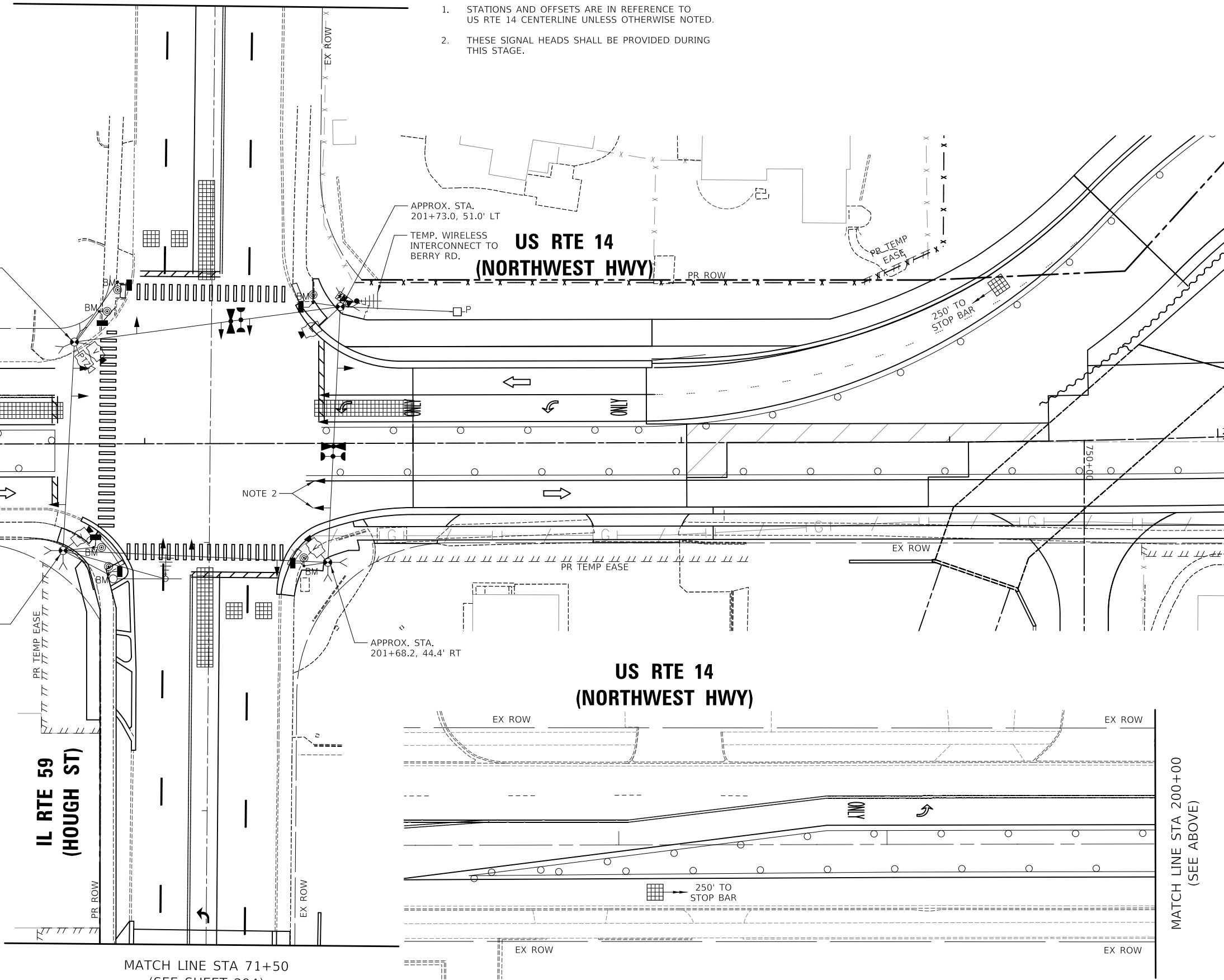


MATCH LINE STA 75+00
(SEE SHEET 294)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. THESE SIGNAL HEADS SHALL BE PROVIDED DURING THIS STAGE.

MATCH LINE STA 200+00
(SEE BELOW)



MATCH LINE STA 200+00
(SEE ABOVE)

MODEL: \\MODEL\NAME
 FILE: \\NAME - 0310107-2-01-02_MOT_Sigap_2B.dwg

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PLOT SCALE = 40,0000' / in.	DRAWN - AS	REVISED -
PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

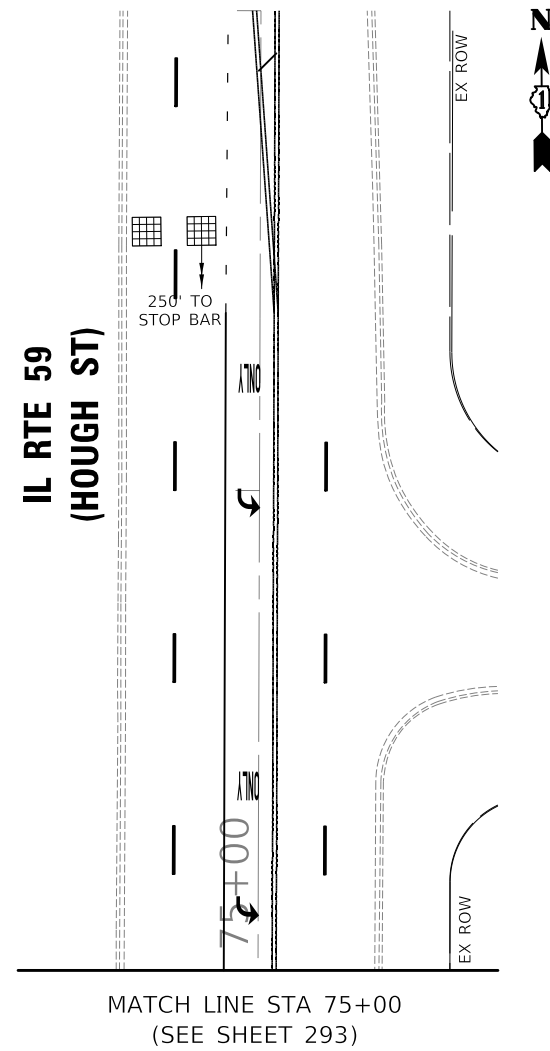
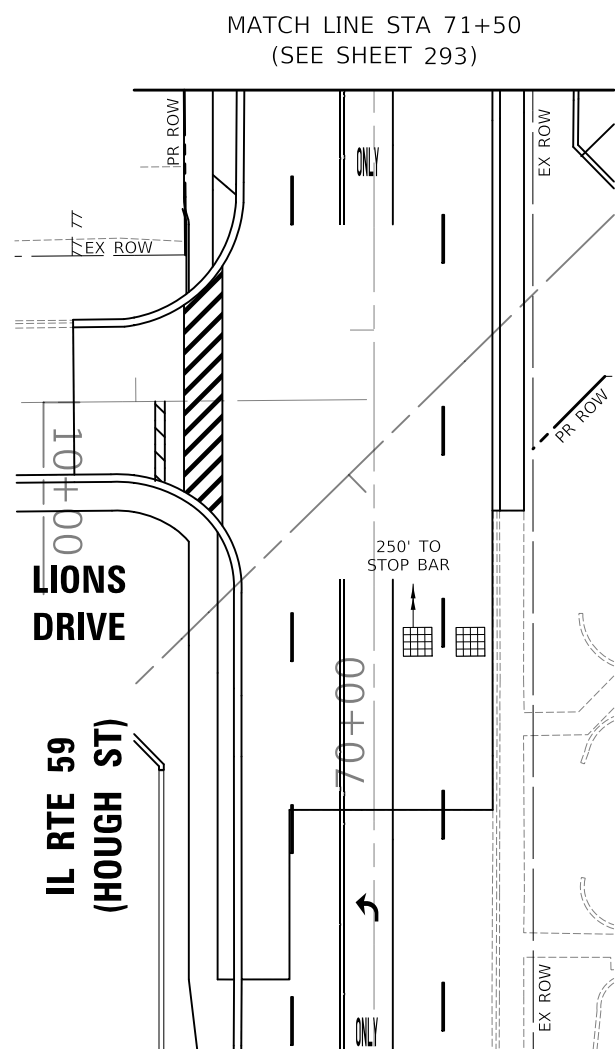
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2B (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	293
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



MODEL: \\MODEL\NAME
 FILE NAME: \\031037-411-02-02_MOT_Sign_2B.dwg

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DRAWN - AS	REVISIONS -	
PLOT SCALE = 40,0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/28/2024	DATE - 08/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2B (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)
 SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-G5	LAKE	816	294
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

TS 6525
EAGLE 7B

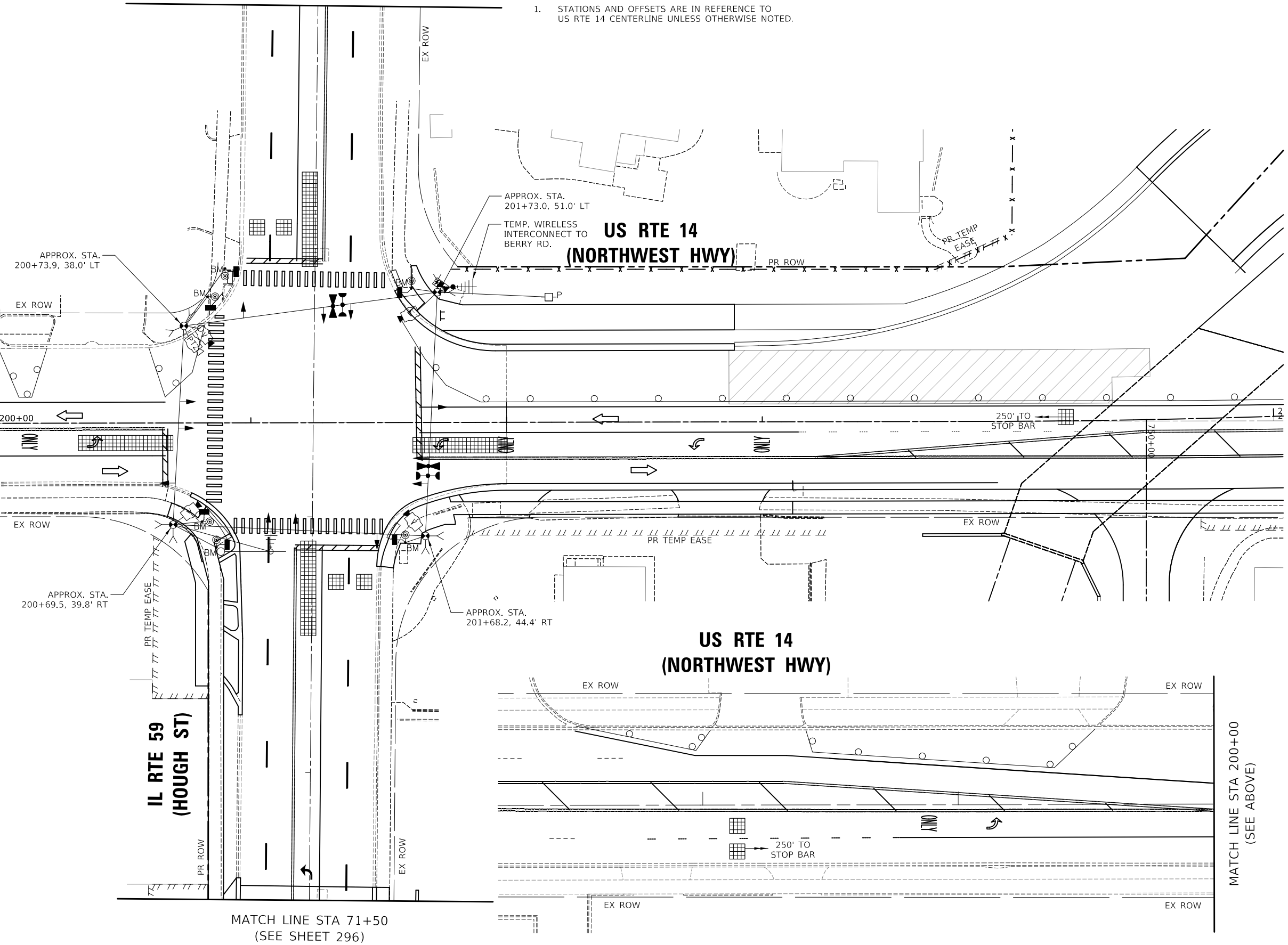


MATCH LINE STA 75+00
(SEE SHEET 296)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA 200+00
(SEE BELOW)



MATCH LINE STA 200+00
(SEE ABOVE)

MATCH LINE STA 71+50
(SEE SHEET 296)

MODEL: \\MODEL\NAME
FILE: \\NAME\...01031032-01031032-MOT_Sigap_2C.dwg

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Tel: 630.773.3900
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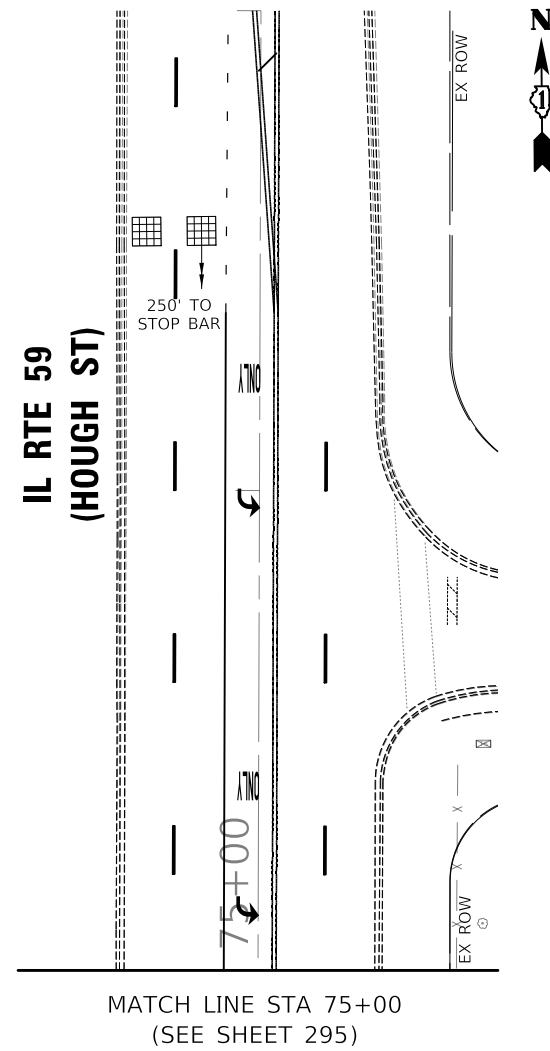
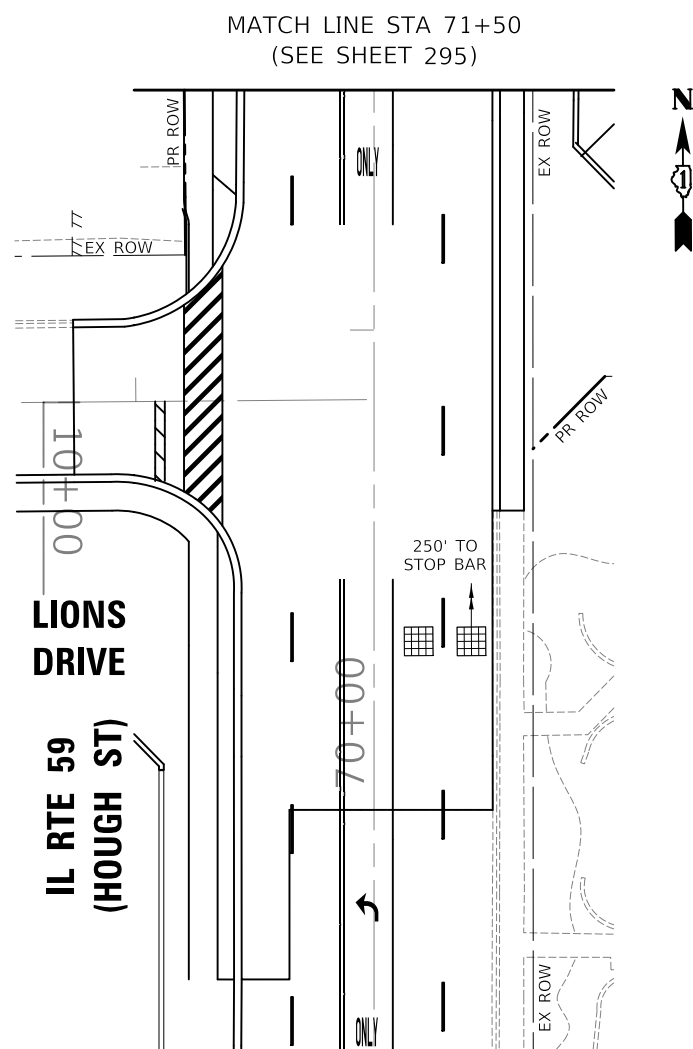
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	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2C (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	295
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



MODEL: \\MODEL\NAME
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Mascoutah, Illinois 60143
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DRAWN - AS	CHECKED - JJE	REVISED -
PLOT SCALE = 40,0000' / in.	DATE - 08/28/2024	REVISED -
PLOT DATE = 8/28/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 2C (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	11-00087-00-GS	LAKE	816	296
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**

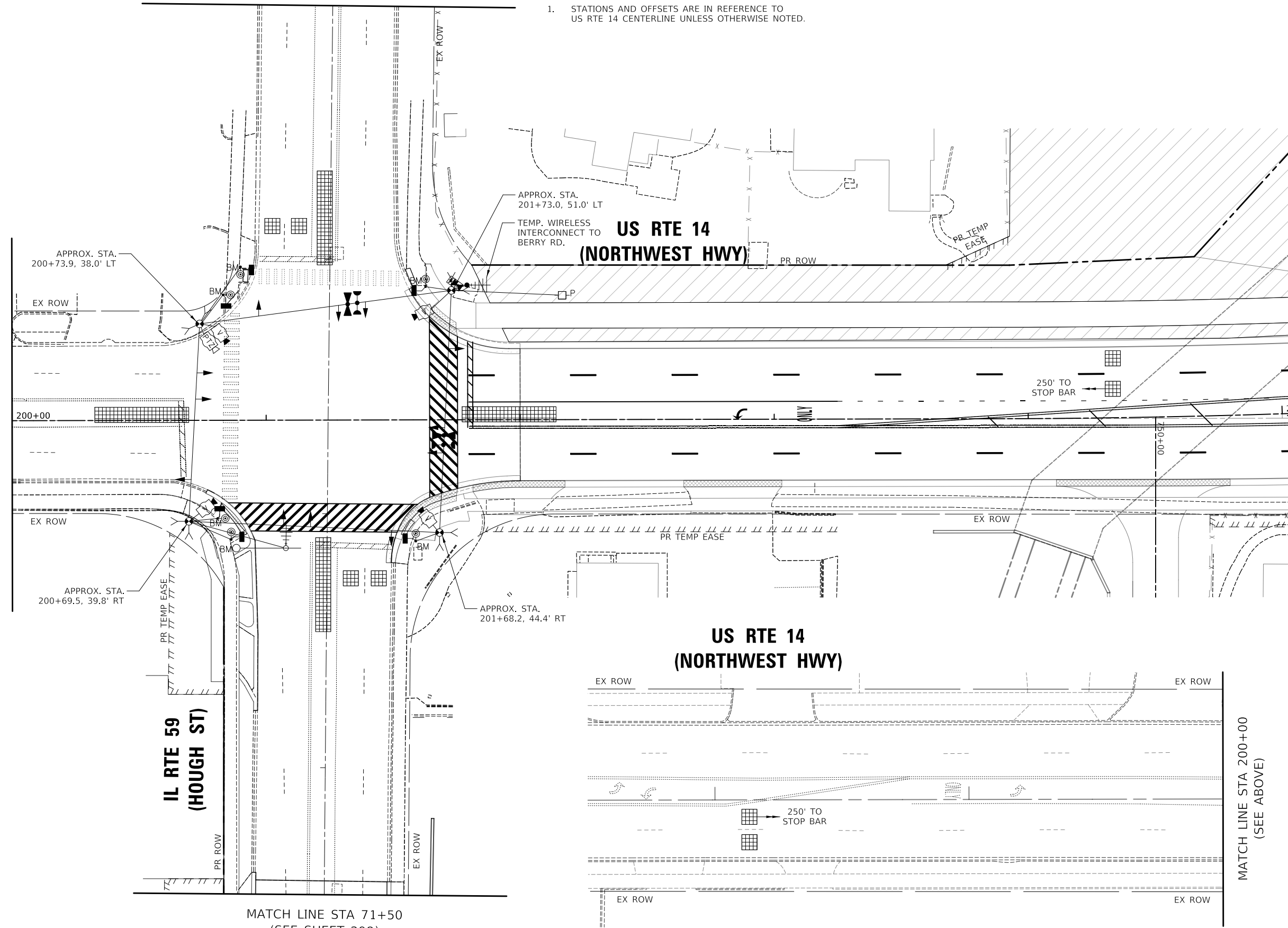


MATCH LINE STA 75+00
(SEE SHEET 298)

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA 200+00
(SEE BELOW)



MATCH LINE STA 71+50
(SEE SHEET 298)

MATCH LINE STA 200+00
(SEE ABOVE)

MODEL: \\MODEL\NAME
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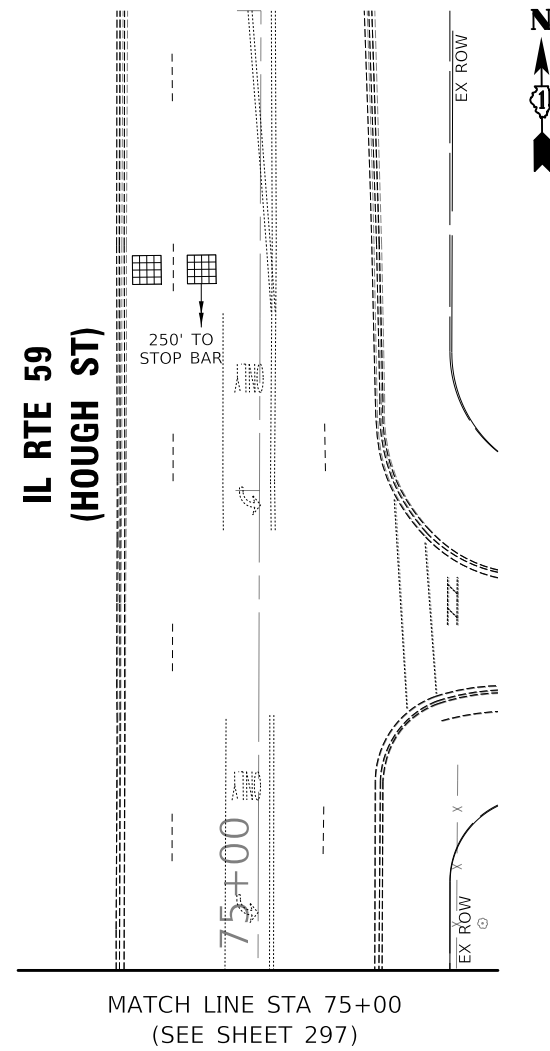
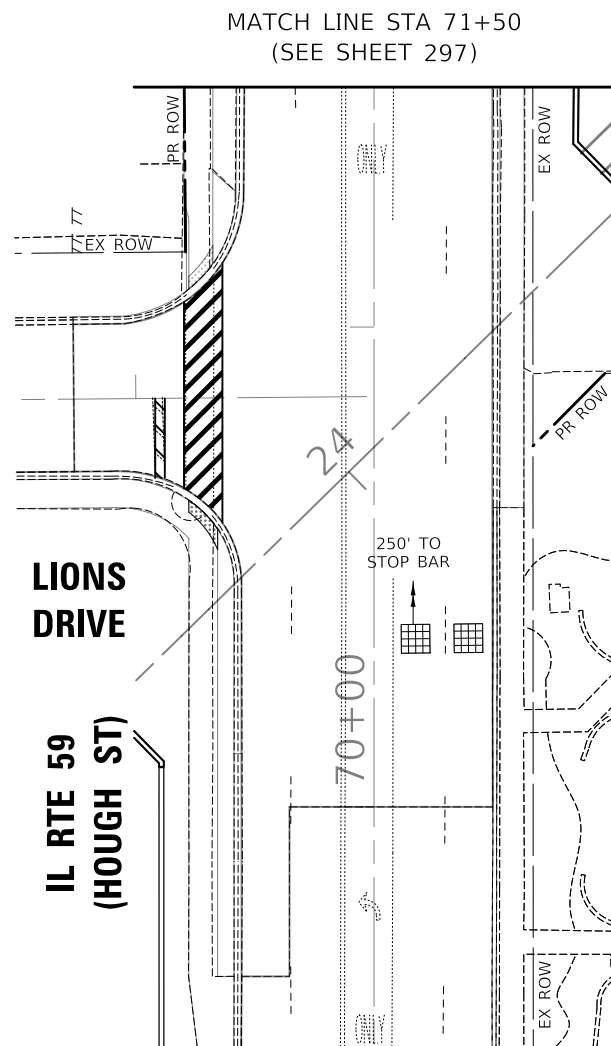
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PLOT DATE = 8/28/2024	CHECKED - JJE	REVISED -
	DATE - 08/28/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 3 (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	297
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**



MODEL: \\MODEL\NAME
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PLOT SCALE = 40,0000' / in.	DATE - 08/28/2024	REVISED -
PLOT DATE = 8/28/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

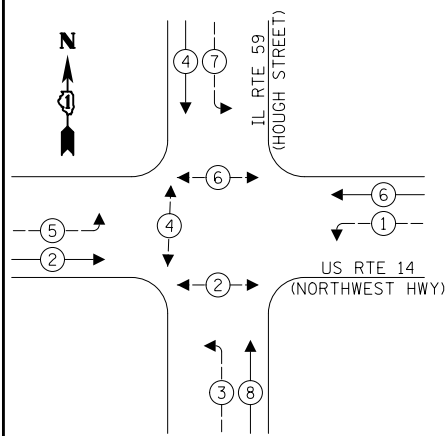
**TEMPORARY TRAFFIC SIGNAL PLAN
M.O.T. STAGE 3 (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

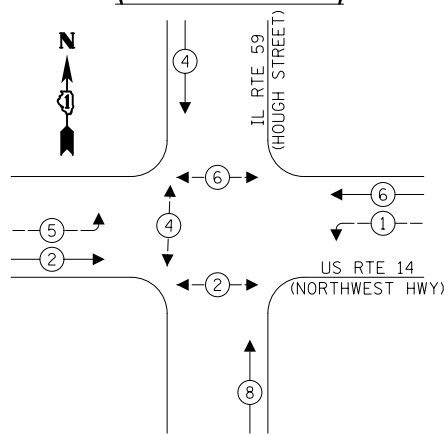
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CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**

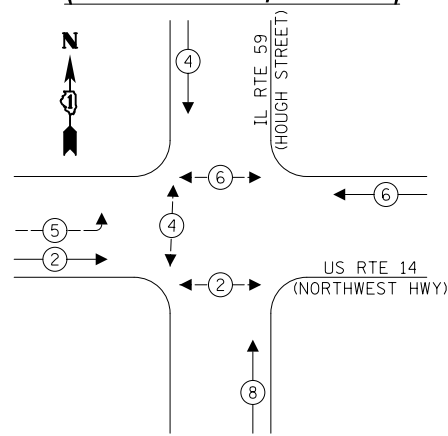
TEMPORARY CONTROLLER SEQUENCE ALL OTHER STAGES



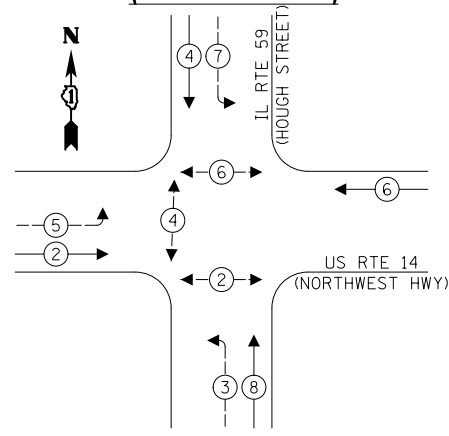
TEMPORARY CONTROLLER SEQUENCE PRESTAGE - (IL 59 PRESTAGE)



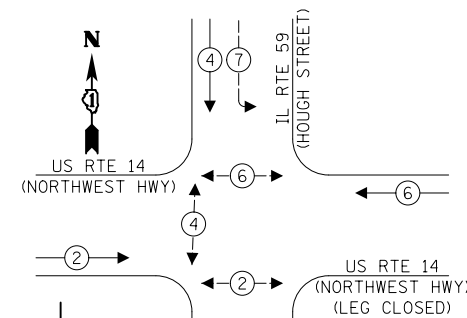
TEMPORARY CONTROLLER SEQUENCE PRESTAGE - (IL 59 STAGE 1, STAGE 2)



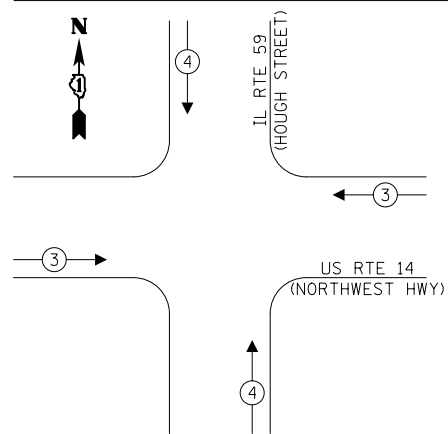
TEMPORARY CONTROLLER SEQUENCE PRESTAGE - (IL 59 STAGE 3)



TEMPORARY CONTROLLER SEQUENCE STAGE 1C



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	6	11
	4 - SECTION	-	14
	5 - SECTION	8	13
			104.0
PROGRAMMABLE SIGNALS			
	3 - SECTION	-	22
	4 - SECTION	-	32
	5 - SECTION	-	28
			-
PED. SIGNAL	6	15	90.0
CONTROLLER	1	150	150.0
MASTER CONTROLLER	-	100	-
UPS	1	25	25.0
DETECTION	RADAR	-	20
	VIDEO	4	20
			80.0
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
	TOTAL UPS SIZING =		515.0
UPS CHARGING	1	225	225.0
BATTERY HEATER MAT	1	180	180.0
CABINET HEATER	1	200	200.0
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
	TOTAL SERVICE WIRE SIZING =		1120.0

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 CENTER ST.
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: COMED
 ACCOUNT NUMBER: 00711-14095

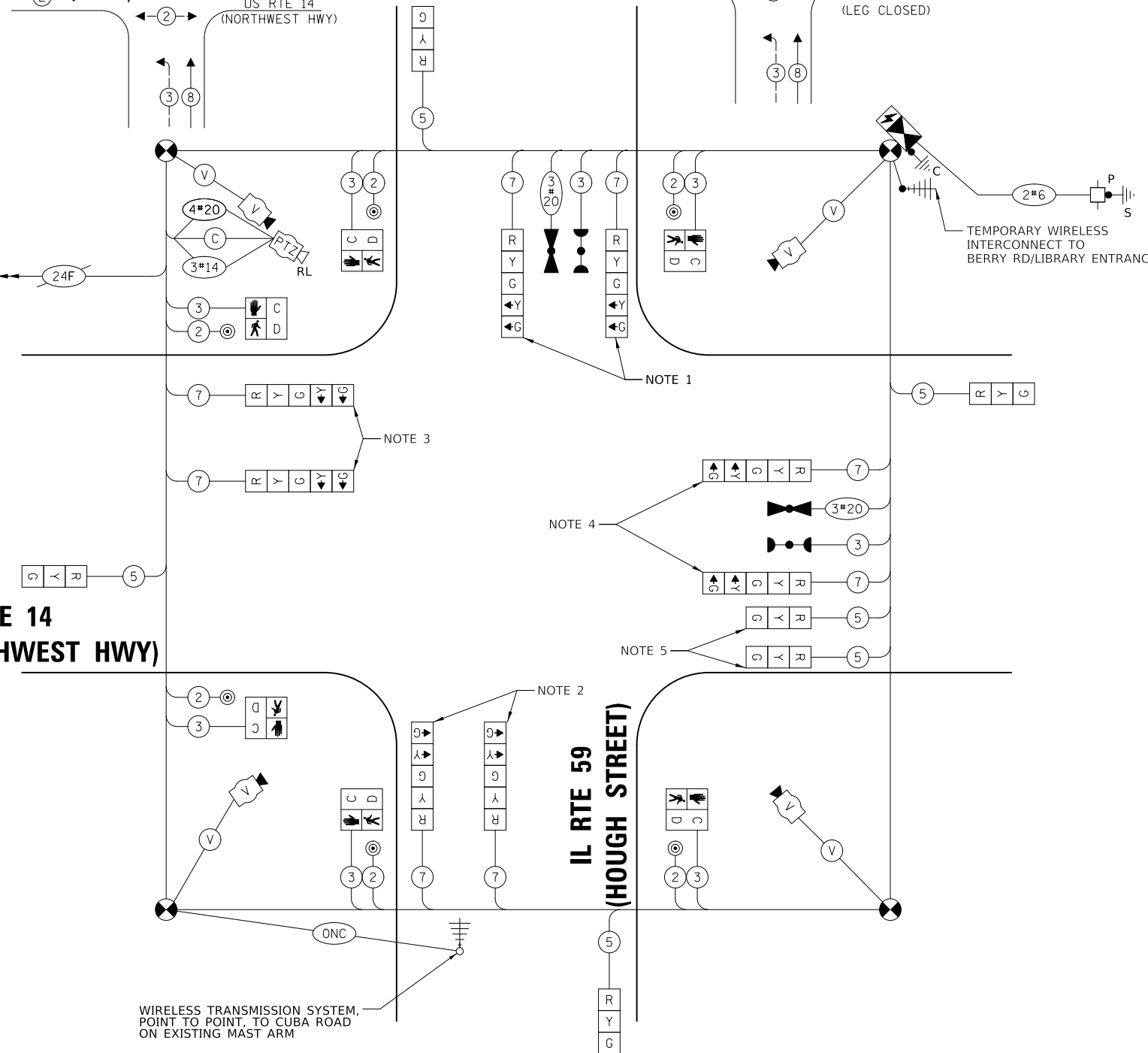
NOTES:

- THE LEFT TURN ARROWS ON THE NORTHBOUND SIGNAL HEADS SHALL BE BAGGED AND DEACTIVATED DURING THE FOLLOWING M.O.T. STAGES:
 PRESTAGE IL 59 PRESTAGE
 PRESTAGE IL 59 STAGE 1
 PRESTAGE IL 59 STAGE 2
- THE LEFT TURN ARROWS ON THE SOUTHBOUND SIGNAL HEADS SHALL BE BAGGED AND DEACTIVATED DURING THE FOLLOWING M.O.T. STAGES:
 PRESTAGE IL 59 PRESTAGE
 PRESTAGE IL 59 STAGE 1
 PRESTAGE IL 59 STAGE 2
- THE LEFT TURN ARROWS ON THE WESTBOUND SIGNAL HEADS SHALL BE BAGGED AND DEACTIVATED DURING THE FOLLOWING M.O.T. STAGES:
 PRESTAGE IL 59 STAGE 1
 PRESTAGE IL 59 STAGE 2
 PRESTAGE IL 59 STAGE 3
 STAGE 1C
- THE LEFT TURN ARROWS ON THE EASTBOUND SIGNAL HEADS SHALL BE BAGGED AND DEACTIVATED DURING M.O.T. STAGE 1C.
- THESE SIGNAL HEADS SHALL BE PROVIDED FOR STAGES 1B AND 2B.

EX. INTERCONNECT TO WESTERN AVE (OLD NORTHWEST HWY)

US RTE 14 (NORTHWEST HWY)

IL RTE 59 (HOUGH STREET)



TEMPORARY CABLE PLAN (NOT TO SCALE)

TS 6525 EAGLE 7B

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	299
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

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

MODEL: SMOBELNAMES
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DRAWN - AS	REVISED -
CHECKED - JJE	REVISED -
DATE - 08/28/2024	REVISED -

USER NAME = mic
PLOT SCALE = 40.0000' / in.
PLOT DATE = 8/28/2024

MATCH LINE STA 75+00
(SEE SHEET 301)

NOTES:

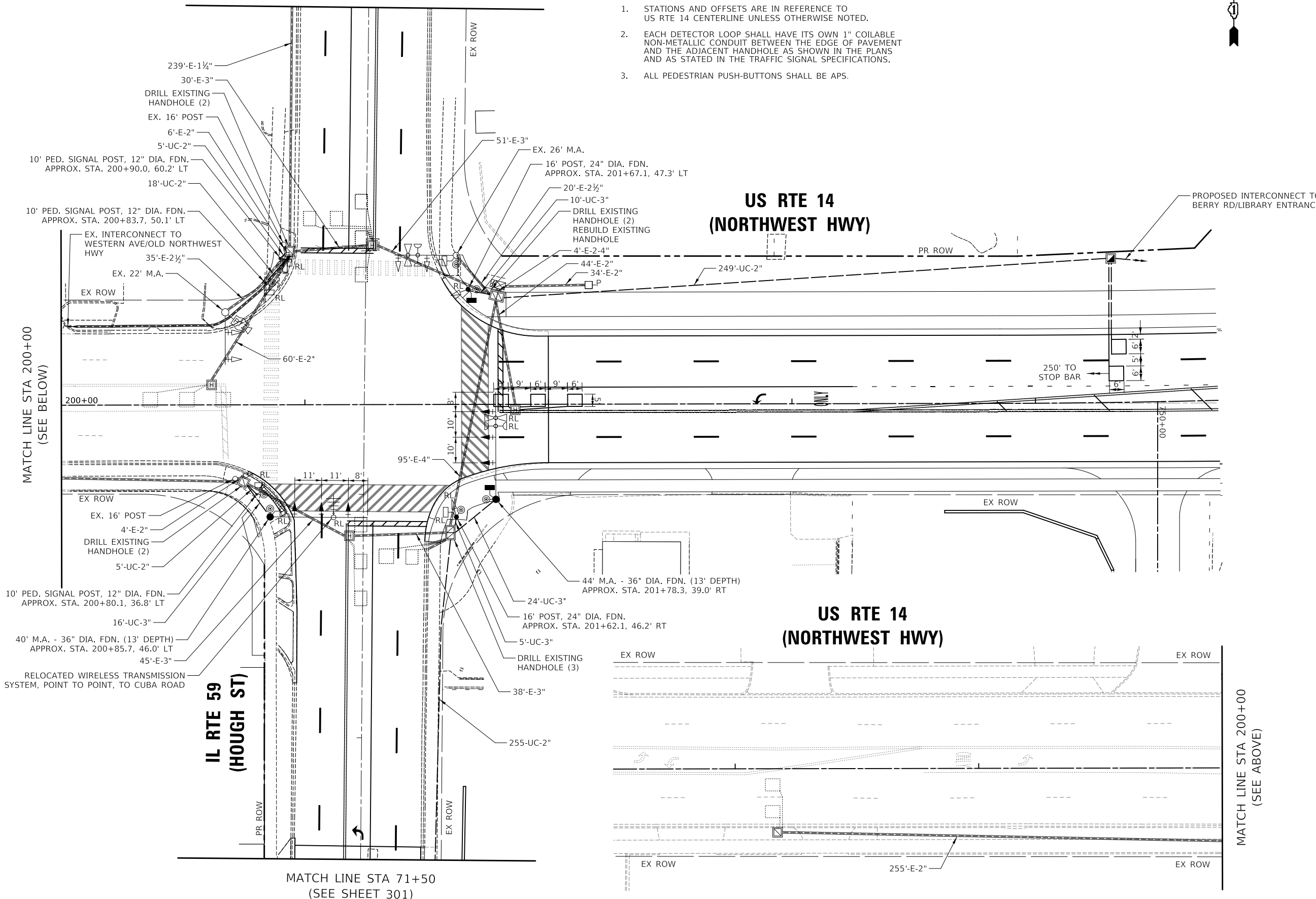
1. STATIONS AND OFFSETS ARE IN REFERENCE TO US RTE 14 CENTERLINE UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN IN THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.



**US RTE 14
(NORTHWEST HWY)**

**US RTE 14
(NORTHWEST HWY)**

**IL RTE 59
(HOUGH ST)**



MATCH LINE STA 200+00
(SEE BELOW)

MATCH LINE STA 200+00
(SEE ABOVE)

MATCH LINE STA 71+50
(SEE SHEET 301)

MODEL: \\MODEL\NAME
FILE: \\NAME: 20240828-107-4015-02.dwg

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) AND IL RTE 59 (HOUGH ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	11-00087-00-GS	LAKE	816	300
CONTRACT NO. 61J87				
ILLINOIS FED. AID PROJECT				

**TS 6525
EAGLE 7B**