

11-17-2023 LETTING ITEM 040

FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
29634	FAP 0348 23 TR	COOK	50	1
		ILLINOIS	CONTRACT NO.: 62W14	

PROJECT LOCATED IN COOK AND McHENRY COUNTIES IN DISTRICT ONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP 348 IL ROUTE 43 (HARLEM AVENUE) OVER
US ROUTE 12/20 (95TH STREET)
SECTION FAP 0348 23 TR
HARLEM AVENUE (99TH ST TO 92ND PL/STANDFOR DR)
FAP 29 95TH ST (F.A.I. 294 (TRI-STATE TOLLWAY TO NEW ENGLAND AVE)
FAP ROUTE 326 (IL ROUTE 47)
AT IL ROUTE 176 (NORTH AND SOUTH
JUNCTION) AND PLEASANT VALLEY ROAD
TREE REMOVAL
COOK & McHENRY COUNTIES
C-91-107-24

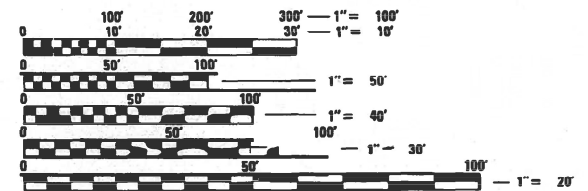
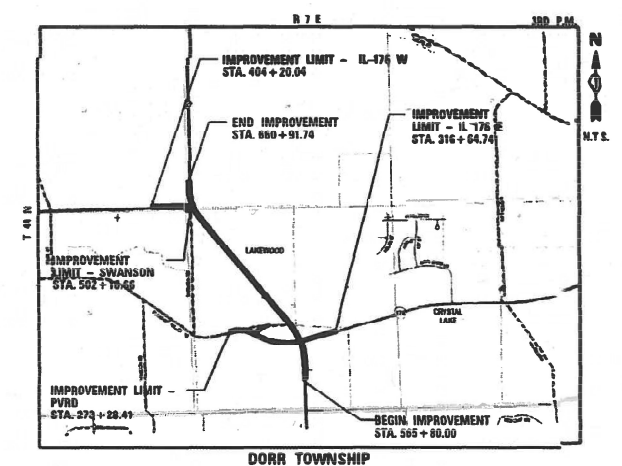
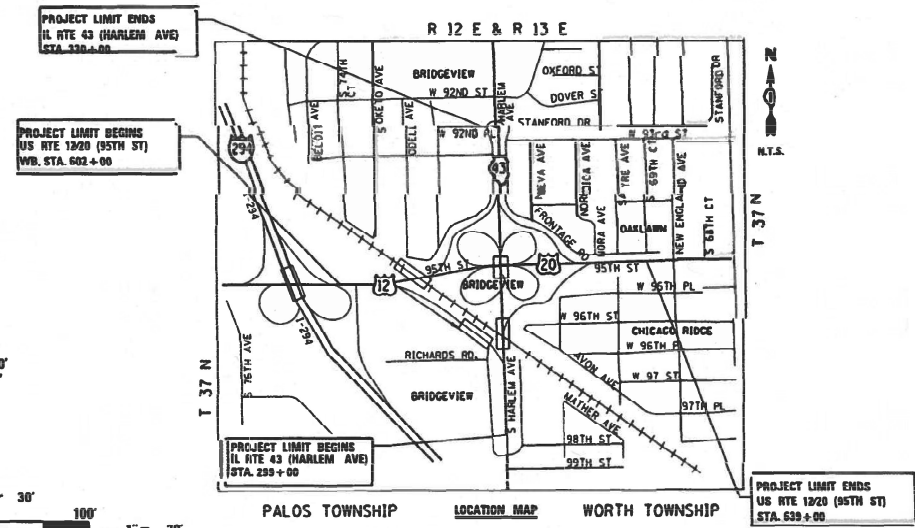
D-91-024-24



LOCATION OF SECTION INDICATED THUS: -

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

THE HOH GROUP, INC.
CONSULTING ENGINEERS
The HOH Group, Inc.
623 Cooper Court
Schuamburg, IL 60173
(312) 346-8131

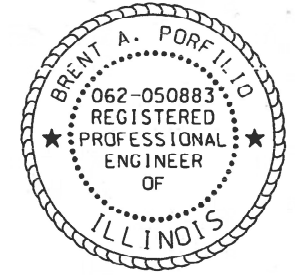


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL
MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL
EQUIPMENT AND UNDERGROUND CABLES 773-287-7672

IDOT PROJECT ENGINEER: MR. TIMOTHY SCHMIDT, PE, SE (847)705-4238
IDOT PROJECT MANAGER: MR. JOE CROSS, PE, PLS (847)705-4605
CONTRACT NO.: 62W14



[Signature]
PROJECT MANAGER
"LICENSE EXPIRES 11-30-23"
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
1-15,50



[Signature]
"LICENSE EXPIRES 11-30-23"
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
16-49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 16, 2023
[Signature]
REGIONAL ENGINEER

October 13, 2023
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET - VOLUME 1
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
3	SUMMARY OF QUANTITIES
4 - 49	TREE REMOVAL PLANS
50	DISTRICT 1 STANDARD TC-17

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF OAK LAWN, BRIDGEVIEW AND CHICAGO RIDGE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE CONTRACTOR. THE COST OF PROVIDING THE SIGNS AND ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
- ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- THE ENGINEER WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171, AT LEAST 7 DAYS PRIOR TO TREE REMOVAL AND PRIOR TO PLANTING TO CHECK THE LAYOUT OF THE TREE REMOVAL, SELECTIVE CLEARING, WOODY PLANT CARE, AND OTHER LANDSCAPING ITEMS.
- CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREA ABUTTING EXISTING OR NEW TREES BY MAINTAINING THE MULCH RING AROUND THE TREE.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED [AY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 250 AND 252 RESPECTIVELY.
- THE CONTRACTOR SHALL NOT REMOVE ANY TREES OTHER THAN THOSE SHOWN ON THE PLANS UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- EXISTING SEWER LOCATIONS SHOWN ARE FROM AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY THEIR LOCATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD, SURFACE, AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOW ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

STATE HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES

DISTRICT 1 STANDARDS

TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARITAL RAMP CLOSURES
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COMMITMENTS

- CHICAGO RIDGE POLICE AND FIRE DEPARTMENT IS TO BE NOTIFIED PRIOR TO ANY WORK ON RAMP G (NB HARLEM TO EB 95TH STREET). THE POLICE AND FIRE DEPARTMENTS USE THIS RAMP TO GET TO THE NORTH SIDE OF THE CSX RAILROAD TRACKS AND WILL NEED TO KNOW IF AND WHEN IT IS CLOSED IN CASE OF AN EMERGENCY.

FILE NAME = ...ID162W14_sht_Index.dgn	USER NAME = aafitzpatrick	DESIGNED - AAF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES, AND COMMITMENTS	F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.	29 & 34E FAP 0349 23 TR COOK 50 2	CONTRACT NO. 62W14	
THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998 ft / in.	DRAWN - AAF	REVISED -			SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	ILLINOIS FED. AID PROJECT
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -						
	DATE -	REVISED -							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE
				100% STATE
				ROADWAY 0004 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	3,158	3,158
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1,039	1,039
20100500	TREE REMOVAL, ACRES	ACRE	10.00	10.00
20101000	TEMPORARY FENCE	FOOT	6,205	6,205
20101100	TREE TRUNK PROTECTION	EACH	15	15
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	20	20
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20
67100100	MOBILIZATION	L SUM	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0064800	SELECTIVE CLEARING	UNIT	55	55
K0026700	TREE CARE	EACH	24	24
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1
X2010106	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	100	100
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	13.00	13.00
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

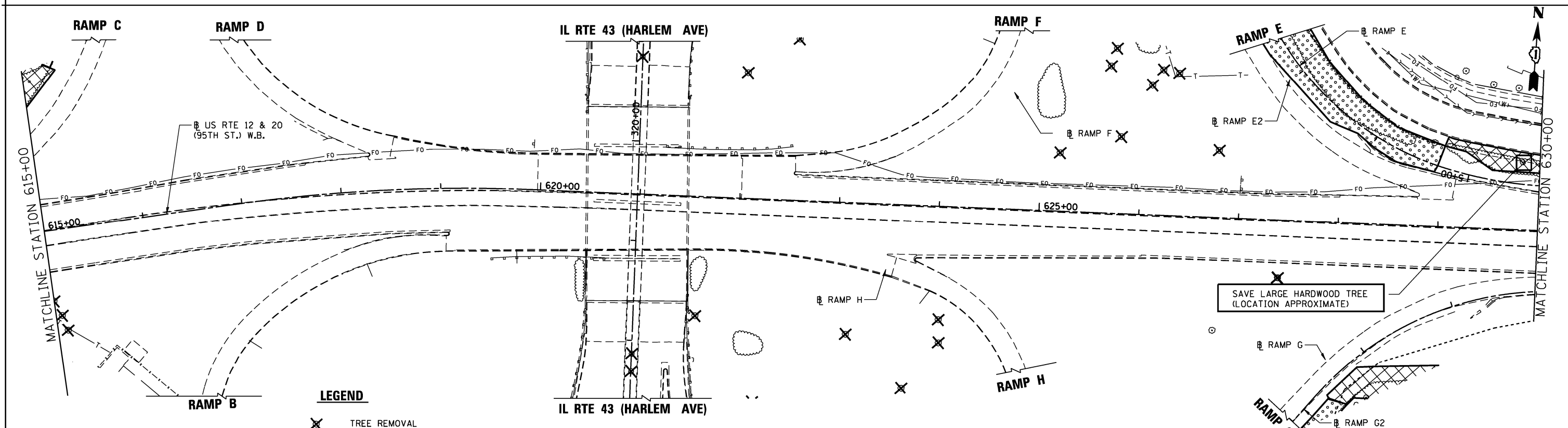
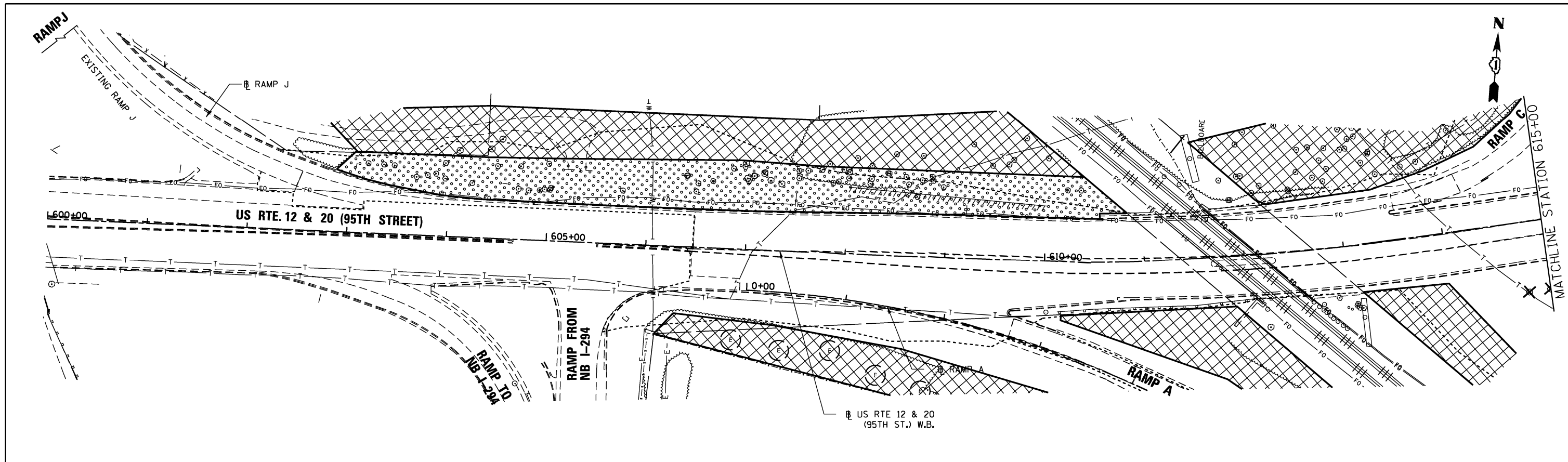
* SPECIALTY ITEM

TREE REMOVAL						CALCULATED / ESTIMATED SIZE 2022		NOTES	TREE REMOVAL						CALCULATED / ESTIMATED SIZE 2022		NOTES
						TREE REMOVAL, 6" - 15"	TREE REMOVAL, OVER 15"								TREE REMOVAL, 6" - 15"	TREE REMOVAL, OVER 15"	
ROADWAY	STATION	OFFSET	LOOP RAMP LOCATION	YEAR OF SURVEY	ORIGINAL MEASURED SIZE	20100110 UNIT	20100210 UNIT		ROADWAY	STATION	OFFSET	LOOP RAMP LOCATION	YEAR OF SURVEY	ORIGINAL MEASURED SIZE	20100110 UNIT	20100210 UNIT	
HARLEM	298+27	0 RT		2014	3			Assumed 3" of growth since 2002	HARLEM	328+76	47 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	298+44	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	329+03	45 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	298+59	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	329+27	45 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	298+77	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	329+72	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	299+45	66 RT		2014	15		21	Assumed 6" of growth since 2002	HARLEM	329+97	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	299+50	66 RT		2014	22		28	Assumed 6" of growth since 2002	HARLEM	330+23	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	300+20	60 RT		2002	NONE	12		Estimated Size (to be field Verified)	HARLEM	330+48	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	301+92	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	330+73	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+08	0 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	331+22	44 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+24	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	331+50	48 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+39	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	331+87	48 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+55	0 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	332+12	47 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+70	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	332+35	48 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	302+84	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	332+57	47 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	303+18	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	332+81	47 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	305+60	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	333+10	48 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	305+78	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	333+31	47 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	305+97	1 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	333+56	48 LT		2014	2	5		Assumed 3" of growth since 2002
HARLEM	306+15	0 LT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	323+91	0 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	306+34	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+06	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	306+61	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+22	0 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	306+80	1 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+37	0 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	306+98	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+53	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	309+27	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+65	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	309+48	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+84	1 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	309+71	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	324+99	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	312+73	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	325+17	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	312+89	0 LT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	325+35	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	313+05	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	327+55	0 LT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	313+21	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	327+71	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	313+38	0 RT		2014	5	8		Assumed 3" of growth since 2002	HARLEM	327+83	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	313+56	0 RT		2014	5	8		Assumed 3" of growth since 2002	HARLEM	328+00	0 RT		2014	4	7		Assumed 3" of growth since 2002
HARLEM	313+74	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	328+15	0 RT		2014	4	7		Assumed 3" of growth since 2002
HARLEM	313+90	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	328+31	0 RT		2014	4	7		Assumed 3" of growth since 2002
HARLEM	314+07	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	328+48	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	317+30	0 RT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	328+75	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	317+68	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	328+91	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	317+87	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	329+05	0 RT		2014	3	6		Assumed 3" of growth since 2002
HARLEM	320+85	0 RT		2014	4	7		Assumed 3" of growth since 2002	HARLEM	316+66	392 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	321+38	0 RT		2014	2	5		Assumed 3" of growth since 2002	HARLEM	316+60	362 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	322+87	184 LT		2002	NONE	12		Estimated Size (to be field Verified)	HARLEM	316+71	256 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	323+63	81 LT		2002	NONE	12		Estimated Size (to be field Verified)	HARLEM	316+09	302 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	323+69	140 LT		2002	NONE	12		Estimated Size (to be field Verified)	HARLEM	316+25	261 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	326+74	66 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	316+80	132 LT	SW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	327+00	63 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	316+10	79 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	327+25	59 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	315+92	87 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	327+75	53 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	316+02	165 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	328+00	51 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	315+88	200 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	328+27	49 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	315+82	240 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	328+52	49 LT		2014	3	6		Assumed 3" of growth since 2002	HARLEM	315+82	246 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)

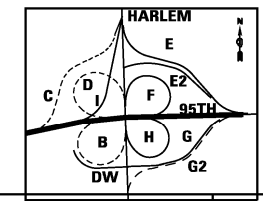
TREE REMOVAL						CALCULATED / ESTIMATED SIZE 2022		NOTES
						TREE REMOVAL, 6" - 15"	TREE REMOVAL, OVER 15"	
ROADWAY	STATION	OFFSET	LOOP RAMP LOCATION	YEAR OF SURVEY	ORIGINAL MEASURED SIZE	20100110 UNIT	20100210 UNIT	
HARLEM	315+79	341 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	318+27	62 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	317+43	122 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	318+14	213 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	318+33	306 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	316+59	164 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	316+21	137 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	316+11	152 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	315+85	271 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	317+38	176 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	317+28	169 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	318+09	307 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	317+62	271 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	316+71	310 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	315+95	300 RT	SE RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	320+73	106 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	321+09	157 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	321+62	237 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	321+36	290 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	321+35	307 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	322+81	180 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
HARLEM	322+48	282 RT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	614+78	71 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	615+00	71 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	615+06	86 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	615+06	86 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+01	336 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+43	328 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+74	287 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+30	201 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+72	166 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+19	146 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+35	143 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+67	148 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+09	130 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+19	58 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	625+80	77 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+78	67 LT	NW RAMP AREA	2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+04	160 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	627+42	58 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+70	166 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	626+66	179 RT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	631+94	53 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	632+01	52 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	632+07	53 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	632+57	50 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	633+13	53 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	633+23	52 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	633+67	51 LT		2002	NONE	12		Estimated Size (to be field Verified)
95WB	633+83	52 LT		2002	NONE	12		Estimated Size (to be field Verified)
TOTALS						1301	49	

TREE REMOVAL, ACRES & CLEARING						TREE REMOVAL ACRES	TREE REMOVAL ACRES (SPECIAL)	SELECTIVE CLEARING
FROM			TO			20100500	X2010350	Z0064800
ROADWAY	STATION	OFFSET	ROADWAY	STATION	OFFSET	AREA ACRE	AREA ACRE	UNIT
RAMP C	N/A	RIGHT	RAMP C	N/A	RIGHT			37
95TH WB	630+00	LEFT	95TH WB	638+50	LEFT			10
95TH WB	631+00	RIGHT	95TH WB	637+20	RIGHT			8
95TH WB	603+00	LEFT	95TH WB	610+50	LEFT	0.76	0.77	
95TH WB	612+00	LEFT	95TH WB	615+00	LEFT		0.60	
95TH WB	628+00	RIGHT	95TH WB	631+00	RIGHT		0.26	
RAMP A	00+00	RIGHT	RAMP A	14+00	RIGHT		2.40	
RAMP A	04+50	LEFT	RAMP A	13+50	LEFT		1.30	
HARLEM	299+00	LEFT	HARLEM	314+00	LEFT		2.10	
HARLEM	399+50	RIGHT	HARLEM	312+50	RIGHT		1.70	
RAMP B	N/A	LEFT	RAMP B	N/A	LEFT	1.20		
RAMP E	05+00	RIGHT	RAMP E	12+80	RIGHT	0.72		
RAMP G2	32+00	RIGHT	RAMP G2	41+50	RIGHT		1.30	
RAMP G2	32+00	LEFT	RAMP G2	41+50	LEFT	0.17		
TOTAL						2.85	10.43	55

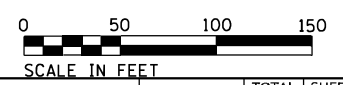
TREE CARE, TRUNK PROTECTION, AND PRUNING			IDOT				REMARKS
			TREE CARE	TREE TRUNK PROTECTION	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)	
ROADWAY	STATION	OFFSET	K0026700 EACH	20101100 EACH	20101300 EACH	20101350 EACH	
95TH ST.	630+09	LT		1			APPROX. LOCATION
95TH ST.	630+37	LT		1			
95TH ST.	630+61	LT		1			
95TH ST.	630+86	LT		1			
95TH ST.	632+90	LT		1			
95TH ST.	633+13	LT		1			
95TH ST.	633+67	LT		1			
95TH ST.	636+20	LT		1			
95TH ST.	636+41	LT		1			
95TH ST.	638+66	LT		3			
HARLEM AVE.	299+52	CL	1				
HARLEM AVE.	299+70	CL	1				
HARLEM AVE.	302+84	CL	1				
HARLEM AVE.	303+19	CL	1				
HARLEM AVE.	305+78	CL	1				
HARLEM AVE.	306+15	CL	1				
HARLEM AVE.	306+61	CL	1				
HARLEM AVE.	306+98	CL	1				
HARLEM AVE.	331+22	LT	1				
HARLEM AVE.	331+50	LT	1				
HARLEM AVE.	331+87	LT	1				
HARLEM AVE.	332+12	LT	1				
HARLEM AVE.	332+35	RT	1				
HARLEM AVE.	332+57	RT	1				
HARLEM AVE.	332+81	LT	1				
HARLEM AVE.	332+87	RT	2				
HARLEM AVE.	333+10	LT	1				
HARLEM AVE.	333+11	RT	1				
HARLEM AVE.	333+25	RT	1				
HARLEM AVE.	333+31	LT	1				
HARLEM AVE.	333+37	RT	1				
HARLEM AVE.	333+51	RT	1				
HARLEM AVE.	333+56	LT	1				
RAMP E	9+17	RT		1			APPROX. LOCATION
RAMP G2	36+90	RT		1			APPROX. LOCATION
RAMP G2	40+46	RT		1			APPROX. LOCATION
VARIES	VARIES	VAR.			20	20	
TOTAL			24	15	20	20	



- LEGEND**
- TREE REMOVAL (SEE SCHEDULES FOR ESTIMATED TREE SIZE)
 - TREE REMOVAL ACRES
 - TREE REMOVAL ACRES (SPECIAL)
 - SELECTIVE CLEARING



SAVE LARGE HARDWOOD TREE (LOCATION APPROXIMATE)

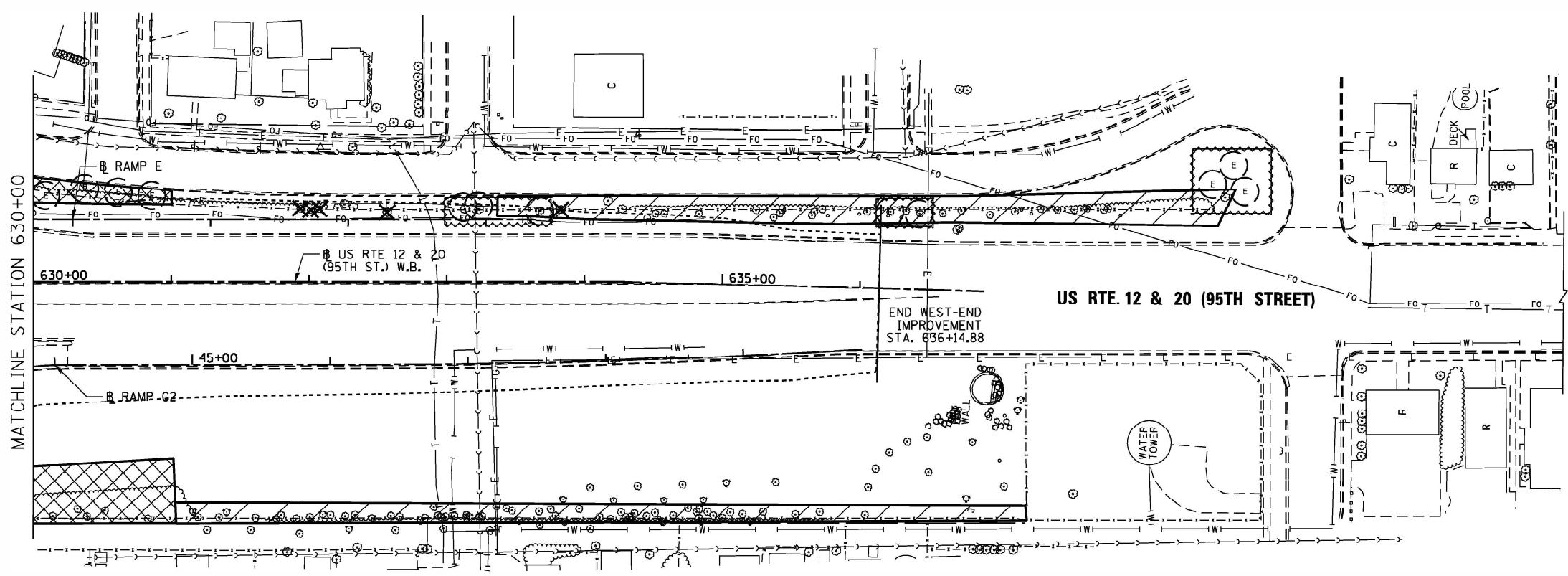


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THE HOH GROUP, INC.	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -
ARCHITECTS ENGINEERS	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
PN: 3730		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

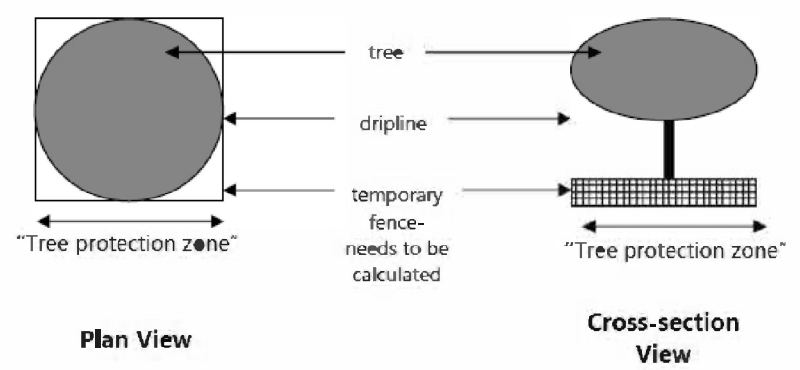
TREE REMOVAL
US ROUTE 12 & 20 (95TH ST.)
SCALE: 1"=50'
SHEET NO. 1 OF 2 SHEETS
STA. 600+00.00 TO STA. 630+00.00

F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 6
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	

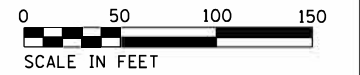
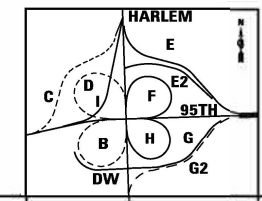


LEGEND

- (TC) TREE CARE
- (E) EXISTING TREE TO REMAIN
(TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
- X TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted pattern] TREE REMOVAL ACRES
- [Cross-hatch pattern] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal lines] SELECTIVE CLEARING
- [Wavy line] TEMPORARY FENCE



TEMPORARY FENCE AT TREES TO REMAIN DETAIL



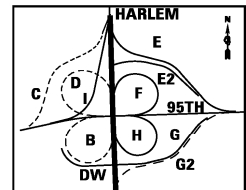
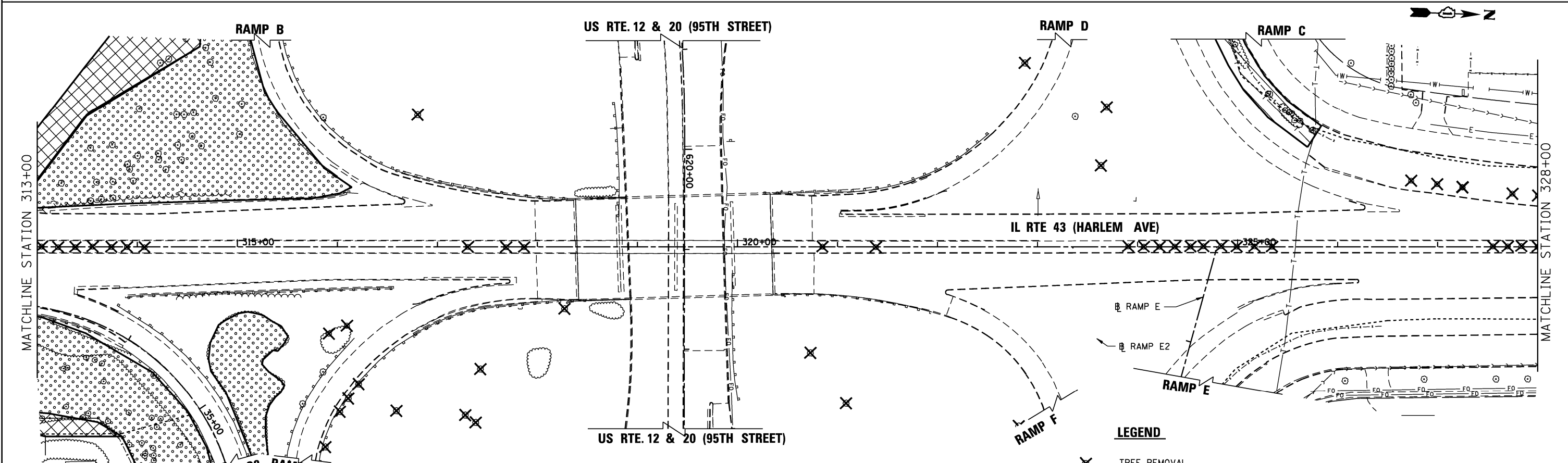
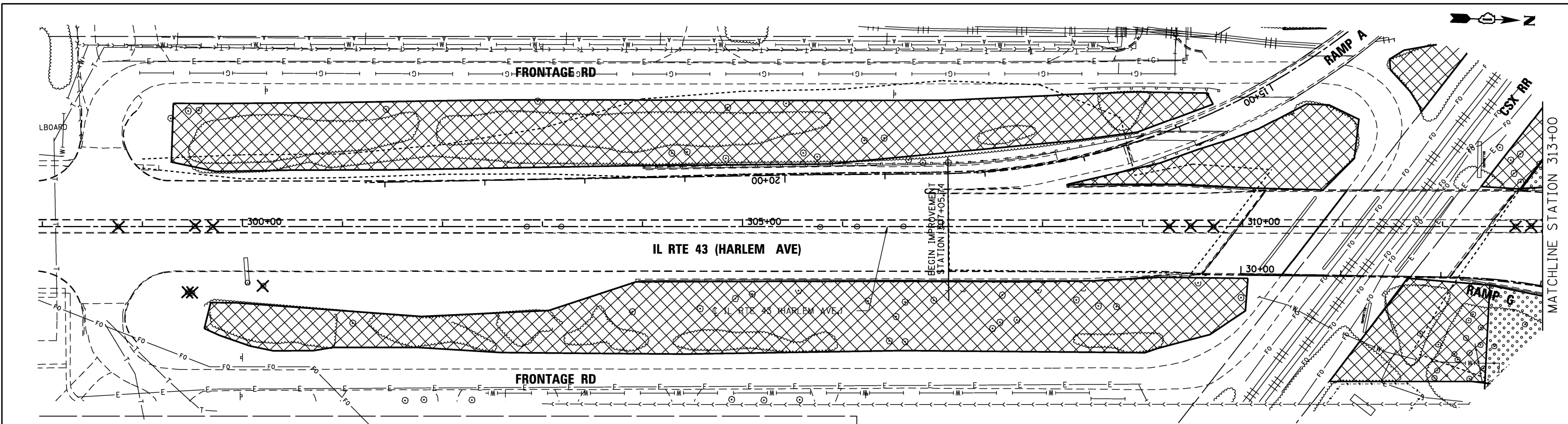
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THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL
US ROUTE 12 & 20 (95TH ST.)**

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 630+00.00 TO STA. 636+14.88

F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 7
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 62W14				



LEGEND

(TC) TREE CARE

(E) EXISTING TREE TO REMAIN
(TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)

LEGEND

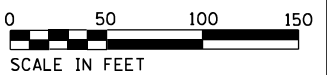
✕ TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)

▨ TREE REMOVAL ACRES

▩ TREE REMOVAL ACRES (SPECIAL)

▧ SELECTIVE CLEARING

~ TEMPORARY FENCE



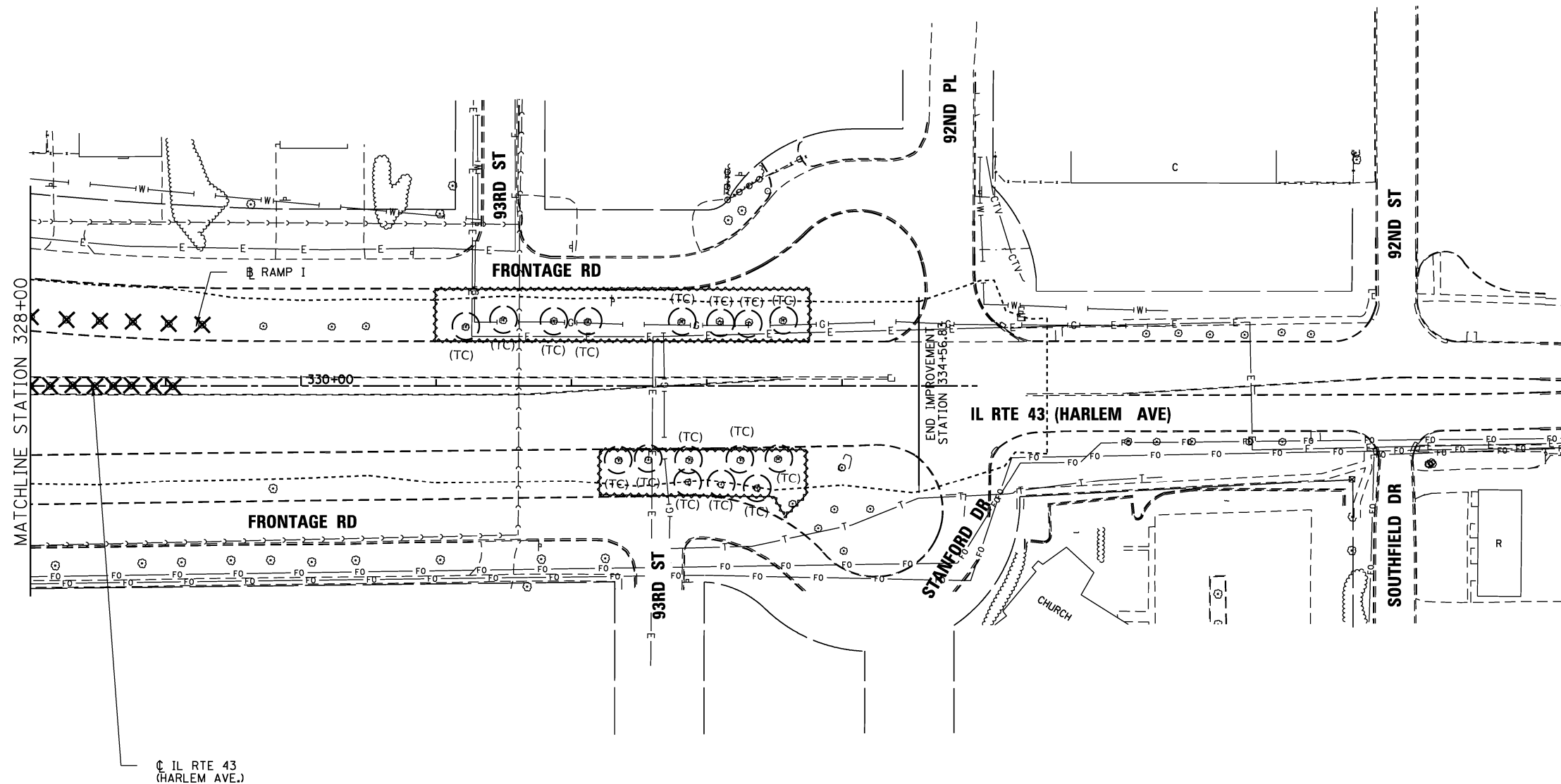
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THE HOH GROUP, INC.		DRAWN - AAF	REVISED -
ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	CHECKED - BAP	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**TREE REMOVAL
ILLINOIS ROUTE 43 (HARLEM AVE.)**

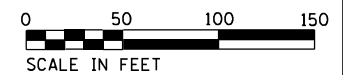
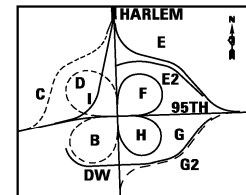
SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 307+05.74 TO STA. 328+00.00

F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 8
				CONTRACT NO. 62W14
ILLINOIS FED. AID PROJECT				



LEGEND

-  TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
-  TREE REMOVAL ACRES
-  TREE REMOVAL ACRES (SPECIAL)
-  SELECTIVE CLEARING



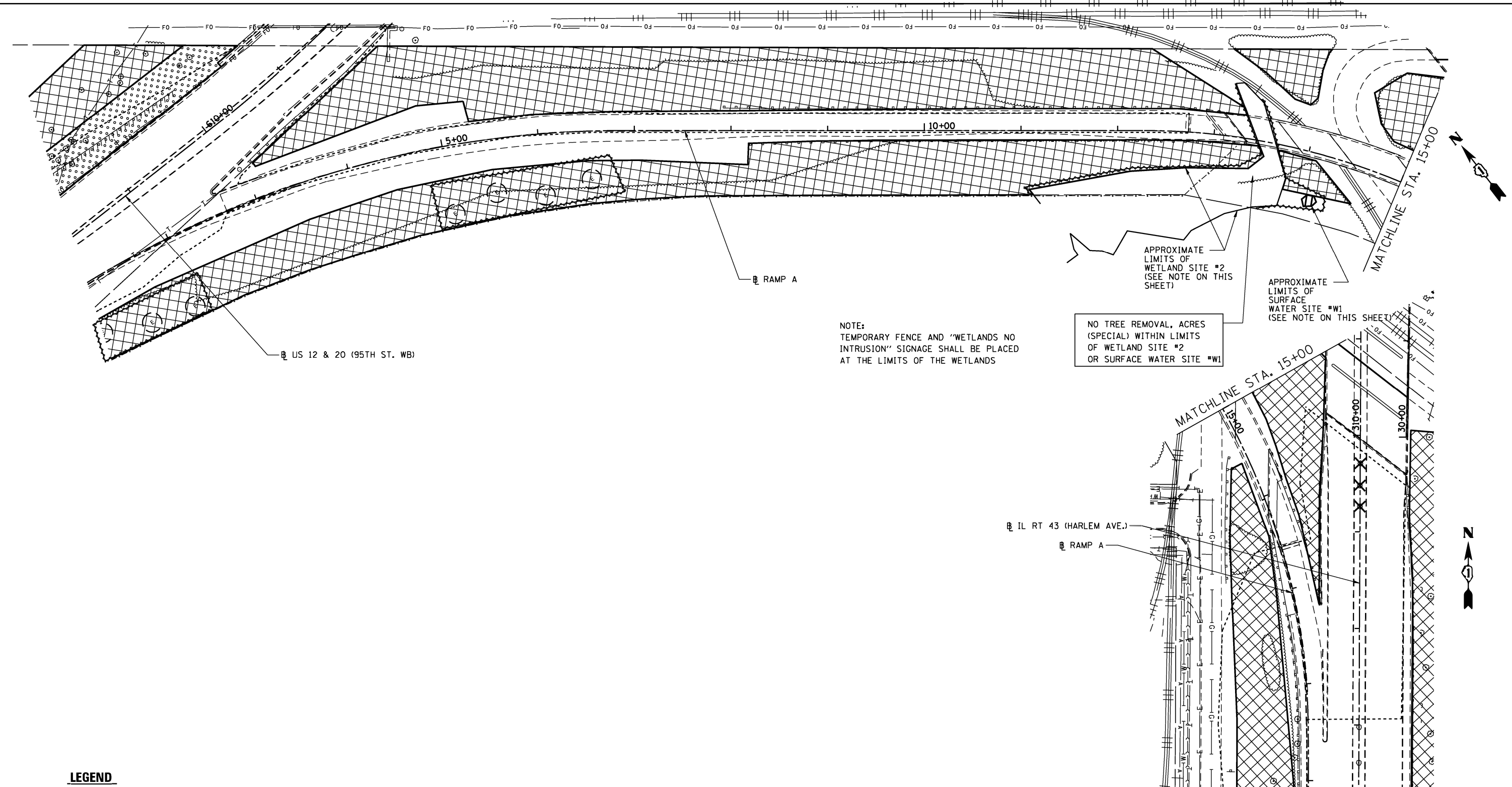
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THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL
ILLINOIS ROUTE 43 (HARLEM AVE.)**

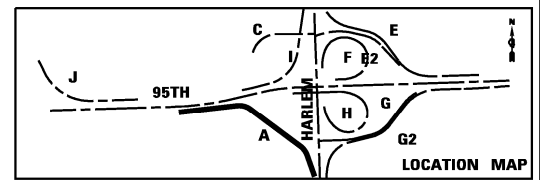
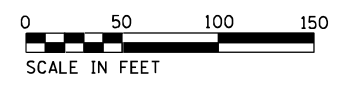
SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 328+00.00 TO STA. 334+56.83

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
29 & 348	FAP 0349 23 TR	COOK	50	9
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				



LEGEND

- (TC) TREE CARE
- (E) EXISTING TREE TO REMAIN
(TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
- X TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted pattern] TREE REMOVAL ACRES
- [Cross-hatch pattern] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal line pattern] SELECTIVE CLEARING
- [Wavy line] TEMPORARY FENCE



FILE NAME = ...ID162W14_sht_Rem_Ramp_A.dgn	USER NAME = aafitzpatrick	DESIGNED - AAF	REVISED -
THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL
RAMP A**

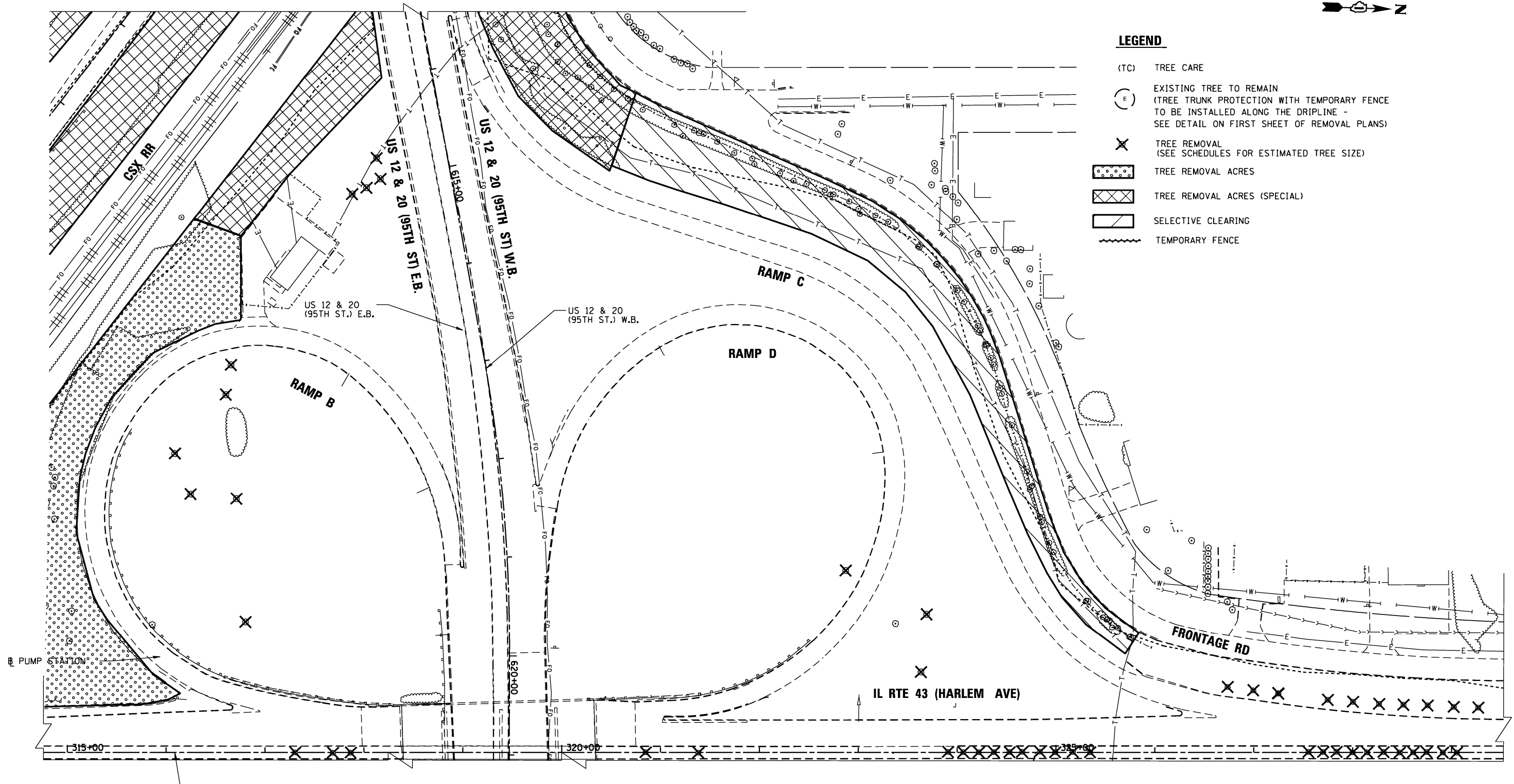
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 2+65.58 TO STA. 18+37.00

F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 10
				CONTRACT NO. 62W14
ILLINOIS FED. AID PROJECT				



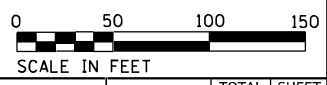
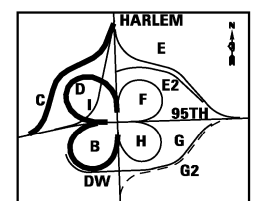
LEGEND

- (TC) TREE CARE
- (E) EXISTING TREE TO REMAIN
(TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
- X TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted pattern] TREE REMOVAL ACRES
- [Cross-hatch pattern] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal line pattern] SELECTIVE CLEARING
- [Wavy line] TEMPORARY FENCE



LEGEND

- X TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted pattern] TREE REMOVAL ACRES
- [Cross-hatch pattern] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal line pattern] SELECTIVE CLEARING



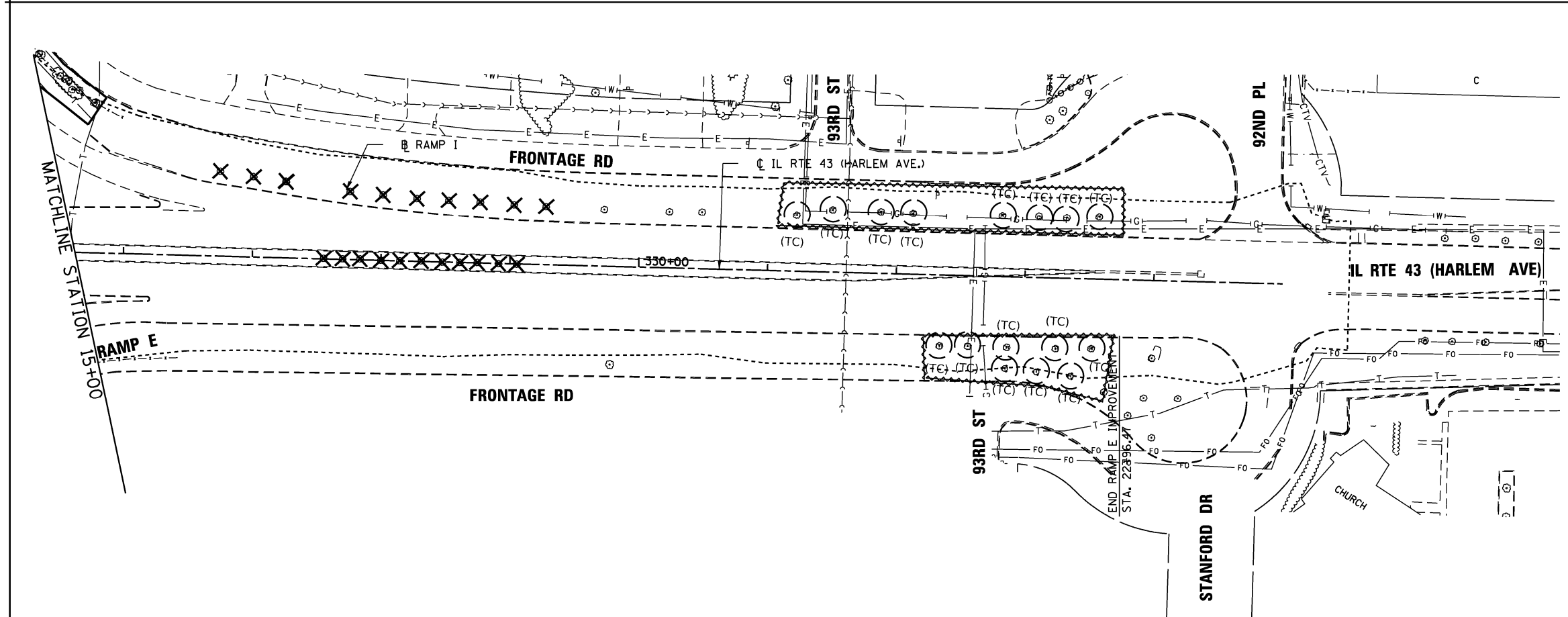
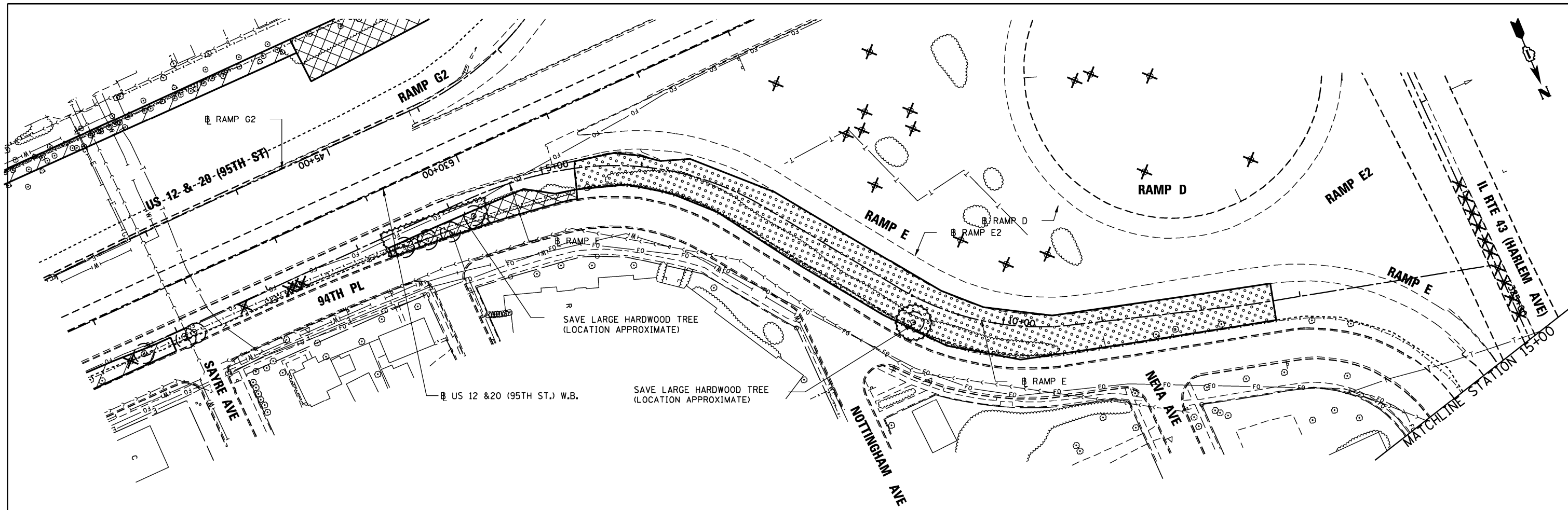
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THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9999' / in.	DRAWN - AAF	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL
RAMP B, C, & D**

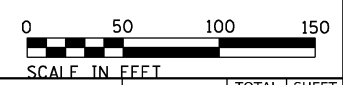
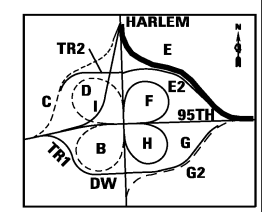
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
29 & 348	FAP 0349 23 TR	COOK	50	11
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				

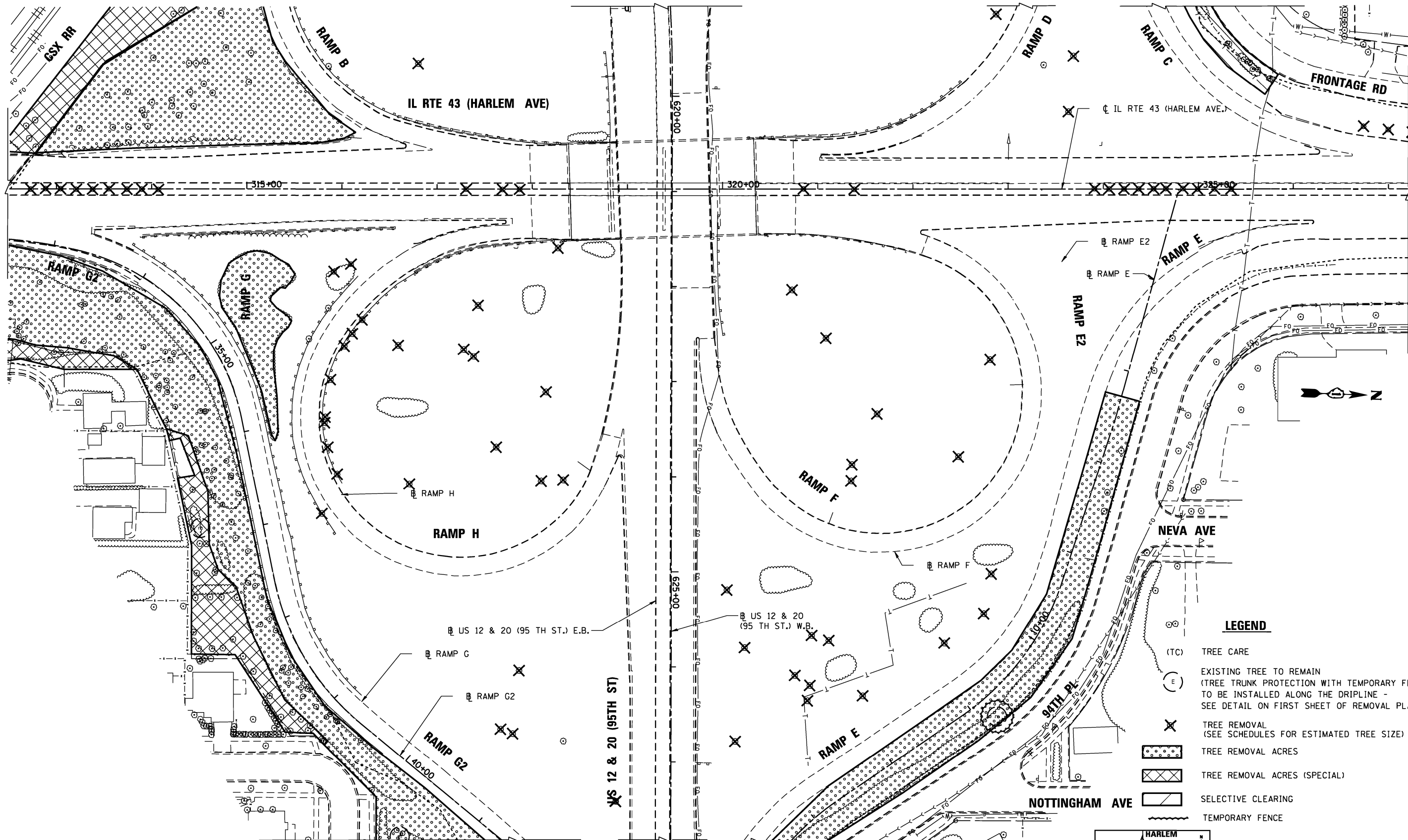


LEGEND

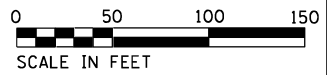
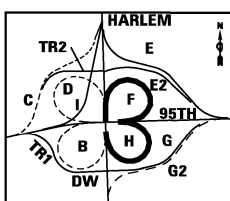
- (TC) TREE CARE
- (E) EXISTING TREE TO REMAIN (TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
- X TREE REMOVAL (SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted Area] TREE REMOVAL ACRES
- [Cross-hatched Area] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal Lines] SELECTIVE CLEARING
- [Wavy Line] TEMPORARY FENCE



FILE NAME = ...ID162W14_sht_Rem_Ramp_E_E2.dwg THE HOH GROUP, INC. <small>ARCHITECTS ENGINEERS</small>	USER NAME = aafitzpatrick	DESIGNED - AAF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TREE REMOVAL RAMP E AND E2	F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 12
	PLOT SCALE = 99.9998' / in.	CHECKED - BAP	REVISED -			SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 62W14	
PN: 3730	PLOT DATE = 8/29/2023	DATE -	REVISED -	ILLINOIS FED. AID PROJECT						



- LEGEND**
- (TC) TREE CARE
 - (E) EXISTING TREE TO REMAIN (TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
 - X TREE REMOVAL (SEE SCHEDULES FOR ESTIMATED TREE SIZE)
 - [Dotted Pattern] TREE REMOVAL ACRES
 - [Cross-hatch Pattern] TREE REMOVAL ACRES (SPECIAL)
 - [Diagonal Line Pattern] SELECTIVE CLEARING
 - [Wavy Line] TEMPORARY FENCE



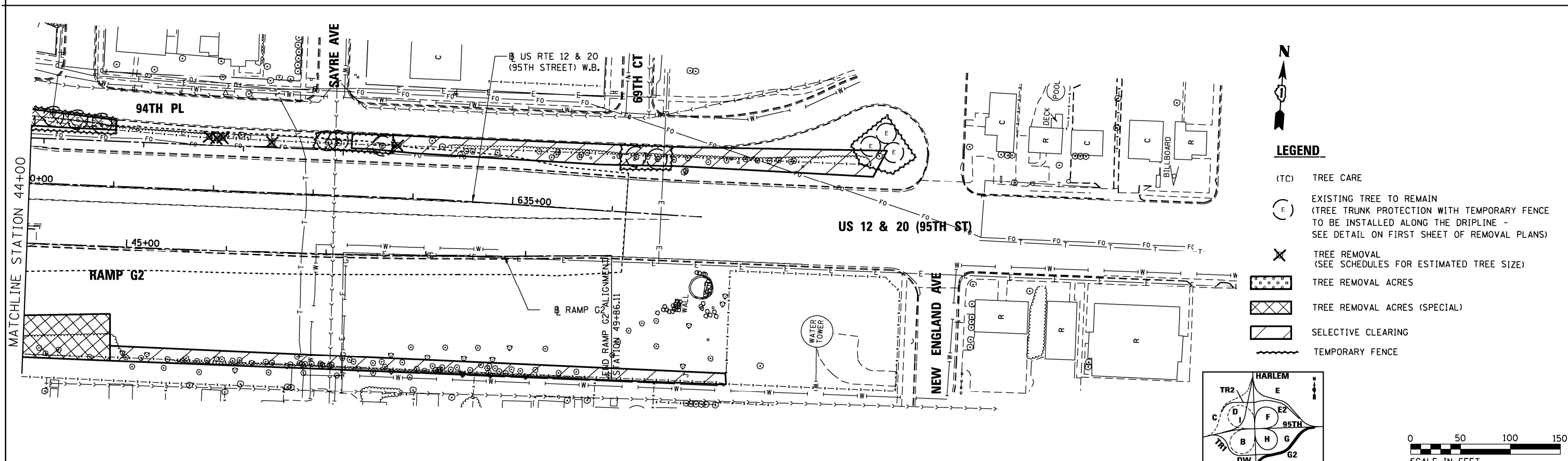
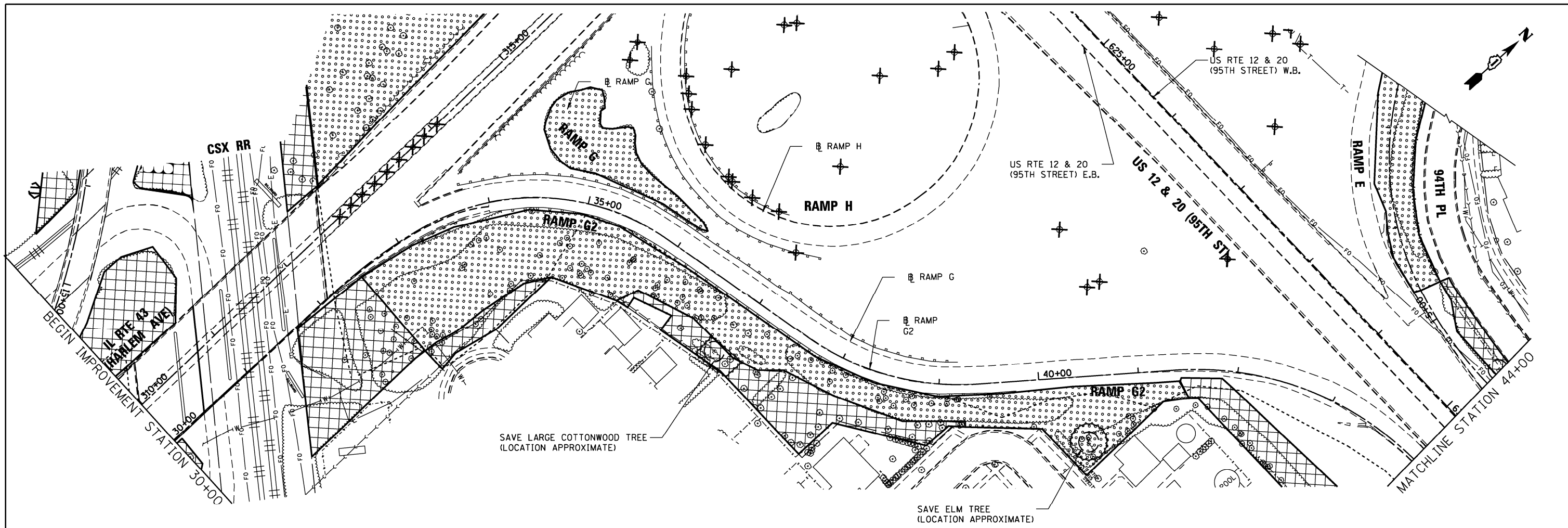
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THE HOH GROUP, INC.		DRAWN - AAF	REVISED -
ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	CHECKED - BAP	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

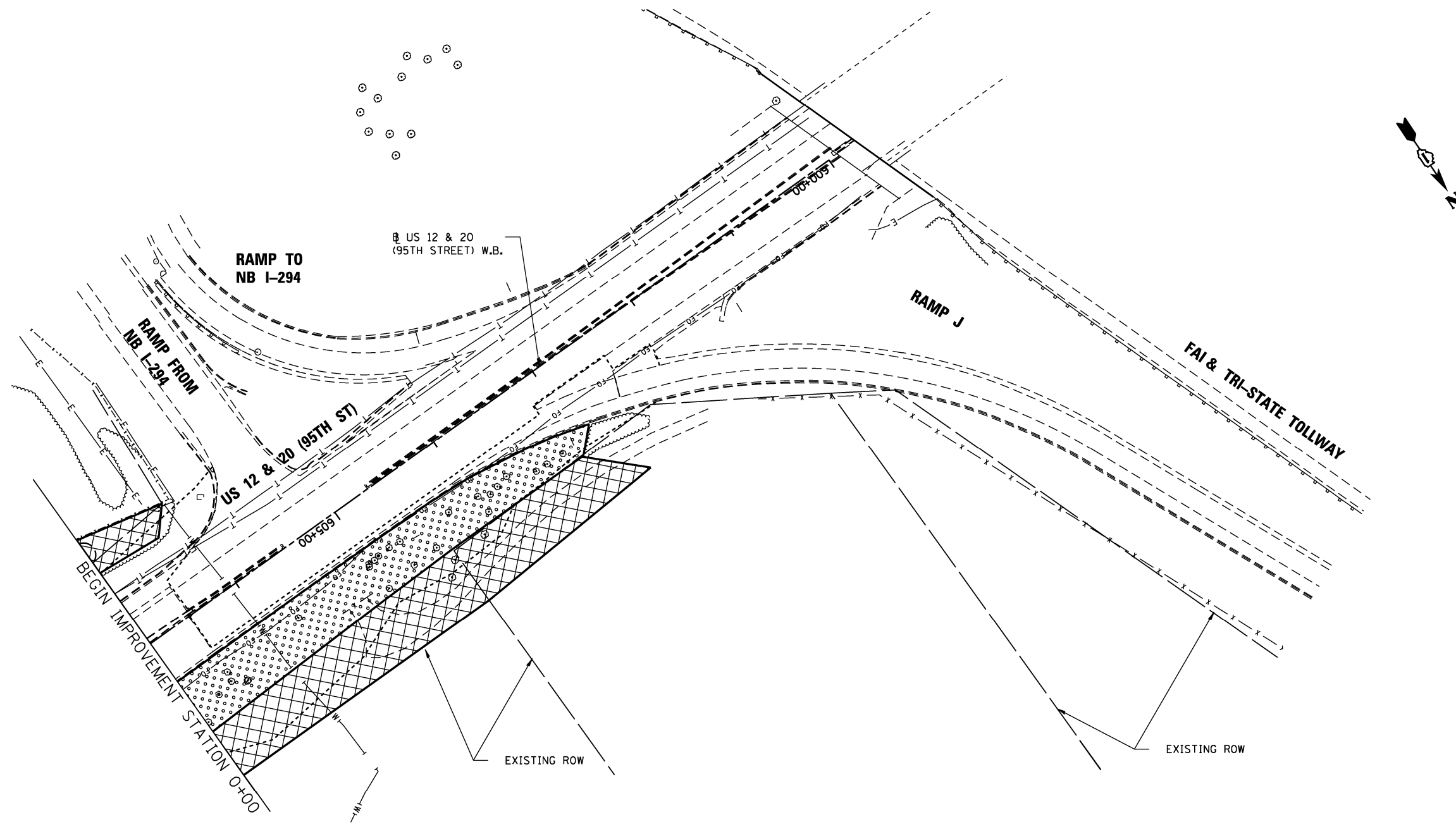
**TREE REMOVAL
RAMPS F & H**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
29 & 348	FAP 0349 23 TR	COOK	50	13
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				

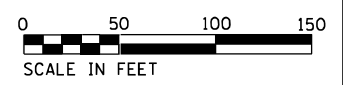
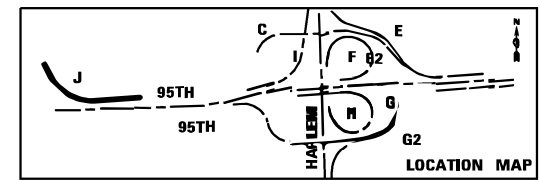


FILE NAME = ...ID162W14_sht_Rem_Ramp_G_G2.dwg	USER NAME = aafztpatrick	DESIGNED - AAF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TREE REMOVAL RAMP G AND G2		F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 14	
THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. N/A	CONTRACT NO. 62W14		ILLINOIS FED. AID PROJECT		
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -									
		DATE -	REVISED -									



LEGEND

- (TC) TREE CARE
- (E) EXISTING TREE TO REMAIN
(TREE TRUNK PROTECTION WITH TEMPORARY FENCE TO BE INSTALLED ALONG THE DRIPLINE - SEE DETAIL ON FIRST SHEET OF REMOVAL PLANS)
- X TREE REMOVAL
(SEE SCHEDULES FOR ESTIMATED TREE SIZE)
- [Dotted pattern] TREE REMOVAL ACRES
- [Cross-hatch pattern] TREE REMOVAL ACRES (SPECIAL)
- [Diagonal line pattern] SELECTIVE CLEARING
- [Wavy line] TEMPORARY FENCE



FILE NAME = ...ID162W14_sht_Rem_Ramp_J.dgn	USER NAME = aafitzpatrick	DESIGNED - AAF	REVISED -
THE HOH GROUP, INC. ARCHITECTS ENGINEERS	PLOT SCALE = 99.9998' / in.	DRAWN - AAF	REVISED -
PN: 3730	PLOT DATE = 8/29/2023	CHECKED - BAP	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL
RAMP J**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 29 & 348	SECTION FAP 0349 23 TR	COUNTY COOK	TOTAL SHEETS 50	SHEET NO. 15
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62W14

SCHEDULE OF TREE REMOVAL					
STATION	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT) 20100110	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT) 20100210	TREE REMOVAL ACRES (ACRES) 20100500	TREE REMOVAL ACRES (SPECIAL) (ACRES) X2010350
619+00.00	52.0 R				0.03
619+91.01	71.4 L	12			
619+91.01	71.4 L	10			
621+50.00	50.6 R				0.13
622+00.00	470.0 L			0.06	
623+87.00	72.6 L	12			
623+96.68	71.3 L	12			
624+14.47	80.5 L	12			
624+17.93	80.0 L	6			
629+00.00	80.1 L				0.04
630+50.00	58.0 R				0.07
631+00.00	87.5 L			0.11	
633+00.00	74.2 R			0.06	
634+00.00	74.5 R			0.15	
637+37.52	89.7 L	12			
637+40.80	94.6 L		18		
639+15.06	77.0 R	13			
639+15.06	77.0 R	8			
639+33.44	85.0 R	15			
639+33.44	85.0 R		16		
640+90.00	57.6 R				0.01
641+50.00	57.6 R				0.08
642+83.84	74.7 R		24		
644+20.93	75.1 R	12			
644+92.05	77.6 R	12			
645+37.86	67.2 L	10			
645+45.44	74.2 L	8			
645+45.44	74.2 L	6			
645+58.25	69.3 L	12			
645+69.18	63.5 L	12			
645+93.15	38.4 L	10			
645+93.15	38.4 L	6			
646+02.30	41.6 R	12			
646+18.66	38.8 L	15			
646+50.00	36.1 R			0.03	
646+83.30	45.6 R	13			
646+90.05	42.2 L	12			
647+45.78	37.2 R	8			
647+54.40	48.4 L	9			
647+59.14	47.6 L	11			
647+85.00	40.9 R			0.01	
648+00.00	33.9 L			0.06	
648+24.13	41.6 R		20		
648+90.78	39.7 L	10			
649+00.00	31.5 R			0.09	
649+25.59	38.6 L	30			
649+50.57	38.2 L	20			
650+00.00	59.7 L			0.03	
650+00.00	48.3 R			0.05	
650+01.56	46.3 R		20		
650+10.87	36.8 L	13			
650+39.42	47.3 R	13			
650+54.90	46.9 R	15			
651+50.00	53.4 L			0.22	
652+00.00	34.1 R			0.33	
652+49.97	44.2 L		16		
652+61.57	45.70 L	10			
652+68.09	38.8 L		16		
654+20.00	55.9 L			0.02	
654+25.00	55.1 L			0.02	
654+26.70	75.3 L	12			
654+27.89	60.4 L	8			
654+51.27	42.2 R	16			
654+88.41	41.7 L		18		

SCHEDULE OF TREE REMOVAL					
STATION	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT) 20100110	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT) 20100210	TREE REMOVAL ACRES (ACRES) 20100500	TREE REMOVAL ACRES (SPECIAL) (ACRES) X2010350
655+19.71	40.7 R	16			
655+20.00	36.5 R			0.03	
655+28.28	36.3 R	7			
655+35.33	37.6 R	16			
655+37.26	37.1 R	16			
655+72.02	39.2 L	10			
655+73.38	44.0 L	12			
655+75.00	52.0 L			0.04	
655+77.58	48.7 L	12			
656+00.00	30.0 R			0.04	
656+21.34	69.1 L		30		
657+50.00	31.6 R			0.44	
657+81.38	51.6 L		36		
658+50.00	31.9 R			0.14	
658+60.44	91.9 L	16			
659+25.00	36.5 R			0.07	
659+40.00	36.6 L			0.02	
659+65.75	61.0 R		40		
659+75.86	47.5 L	12			
661+75.39	43.7 L	6			
662+01.63	49.4 L	16			
662+04.39	53.1 L	16			
663+00.00	35.8 L			0.08	
664+80.00	40.5 L			0.05	
805+00.00	61.5 L			0.35	

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 PLOT SCALE = 50,0000 * / in.
 PLOT DATE = 10/9/2023

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - SJG
 DATE - 10/6/2023

REVISED -
 REVISED -
 REVISED -
 REVISED -

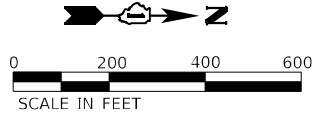
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

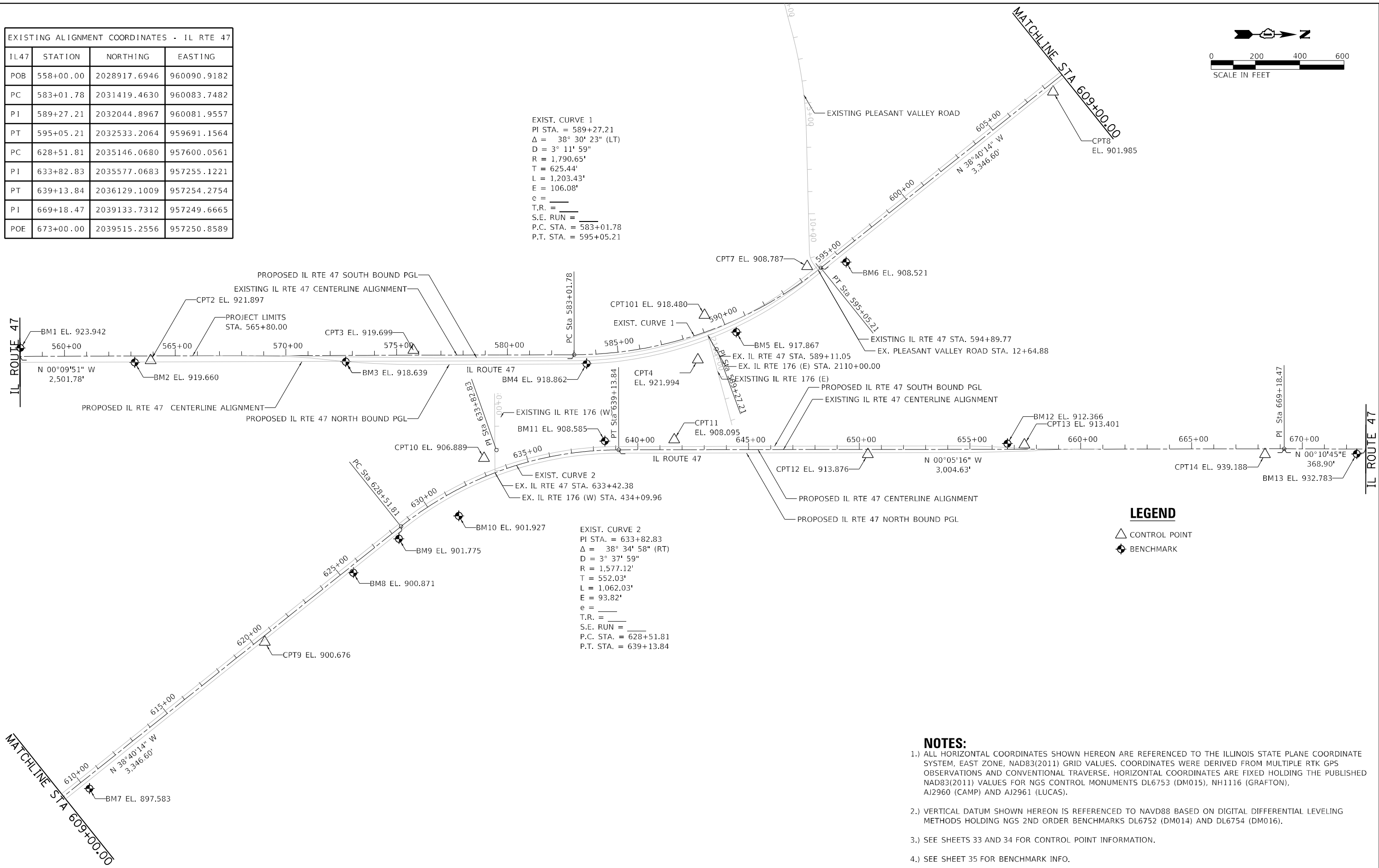
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	17
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				

EXISTING ALIGNMENT COORDINATES - IL RTE 47			
IL47	STATION	NORTHING	EASTING
POB	558+00.00	2028917.6946	960090.9182
PC	583+01.78	2031419.4630	960083.7482
PI	589+27.21	2032044.8967	960081.9557
PT	595+05.21	2032533.2064	959691.1564
PC	628+51.81	2035146.0680	957600.0561
PI	633+82.83	2035577.0683	957255.1221
PT	639+13.84	2036129.1009	957254.2754
PI	669+18.47	2039133.7312	957249.6665
POE	673+00.00	2039515.2556	957250.8589



EXIST. CURVE 1
 PI STA. = 589+27.21
 $\Delta = 38^\circ 30' 23''$ (LT)
 $D = 3^\circ 11' 59''$
 $R = 1,790.65'$
 $T = 625.44'$
 $L = 1,203.43'$
 $E = 106.08'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 583+01.78
 P.T. STA. = 595+05.21

EXIST. CURVE 2
 PI STA. = 633+82.83
 $\Delta = 38^\circ 34' 58''$ (RT)
 $D = 3^\circ 37' 59''$
 $R = 1,577.12'$
 $T = 552.03'$
 $L = 1,062.03'$
 $E = 93.82'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 628+51.81
 P.T. STA. = 639+13.84



LEGEND

- CONTROL POINT
- BENCHMARK

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BENCHMARK INFO.

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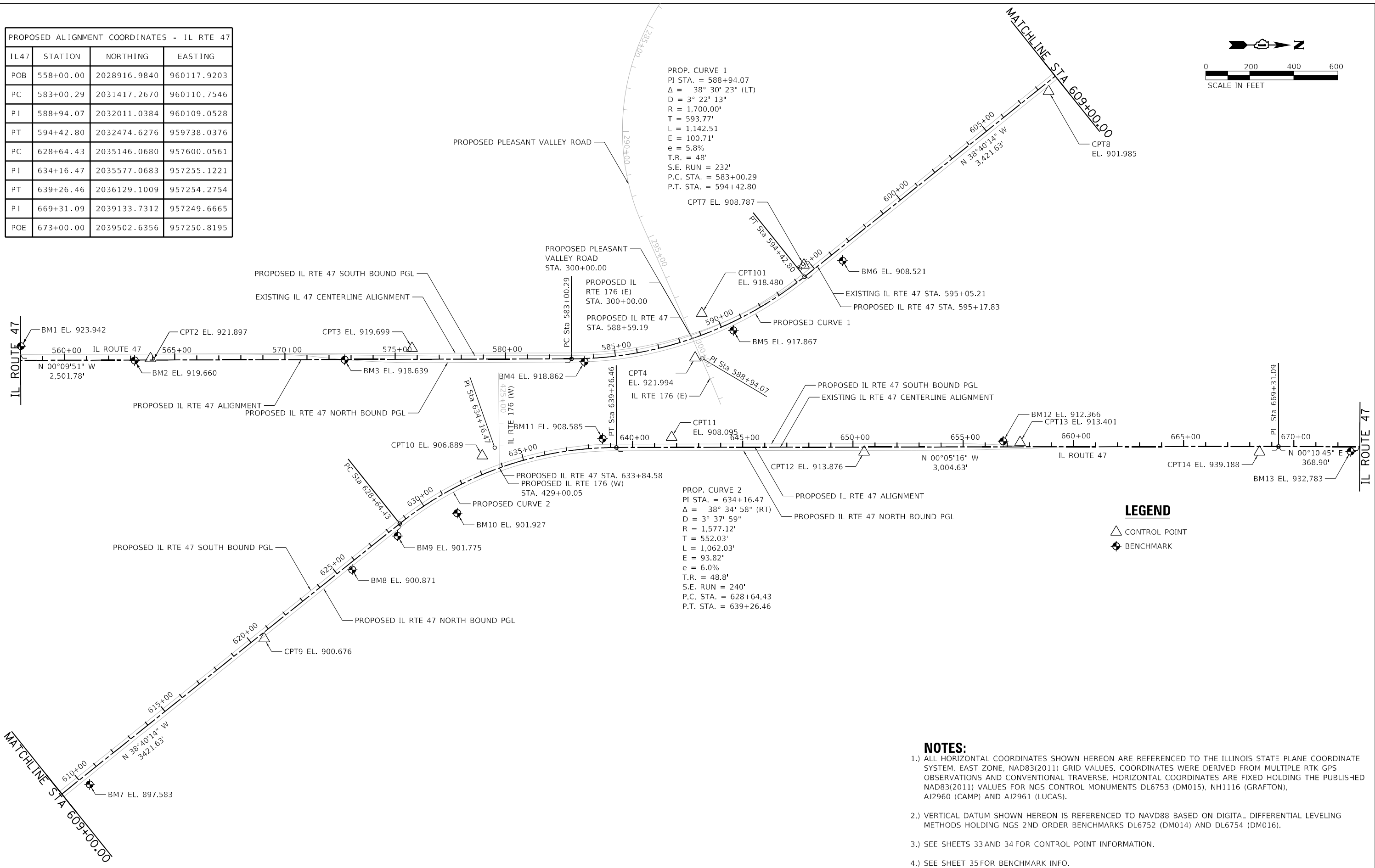
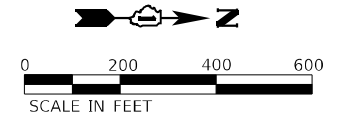
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PLOT SCALE = 400,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 47 EXISTING ALIGNMENT			
SCALE: 1"=200'	SHEET 1	OF 18 SHEETS	STA. 558+00.00 TO STA. 673+00.00

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 18
			CONTRACT NO. 62W14	
ILLINOIS FED. AID PROJECT				

PROPOSED ALIGNMENT COORDINATES - IL RTE 47			
IL47	STATION	NORTHING	EASTING
POB	558+00.00	2028916.9840	960117.9203
PC	583+00.29	2031417.2670	960110.7546
PI	588+94.07	2032011.0384	960109.0528
PT	594+42.80	2032474.6276	959738.0376
PC	628+64.43	2035146.0680	957600.0561
PI	634+16.47	2035577.0683	957255.1221
PT	639+26.46	2036129.1009	957254.2754
PI	669+31.09	2039133.7312	957249.6665
POE	673+00.00	2039502.6356	957250.8195



PROP. CURVE 1
 PI STA. = 588+94.07
 $\Delta = 38^\circ 30' 23''$ (LT)
 $D = 3^\circ 22' 13''$
 $R = 1,700.00'$
 $T = 593.77'$
 $L = 1,142.51'$
 $E = 100.71'$
 $e = 5.8\%$
 $T.R. = 48'$
 $S.E. RUN = 232'$
 $P.C. STA. = 583+00.29$
 $P.T. STA. = 594+42.80$

PROP. CURVE 2
 PI STA. = 634+16.47
 $\Delta = 38^\circ 34' 58''$ (RT)
 $D = 3^\circ 37' 59''$
 $R = 1,577.12'$
 $T = 552.03'$
 $L = 1,062.03'$
 $E = 93.82'$
 $e = 6.0\%$
 $T.R. = 48.8'$
 $S.E. RUN = 240'$
 $P.C. STA. = 628+64.43$
 $P.T. STA. = 639+26.46$

LEGEND

- CONTROL POINT
- BENCHMARK

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BENCHMARK INFO.

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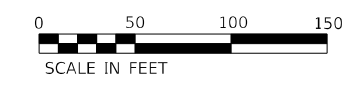
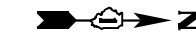
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	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

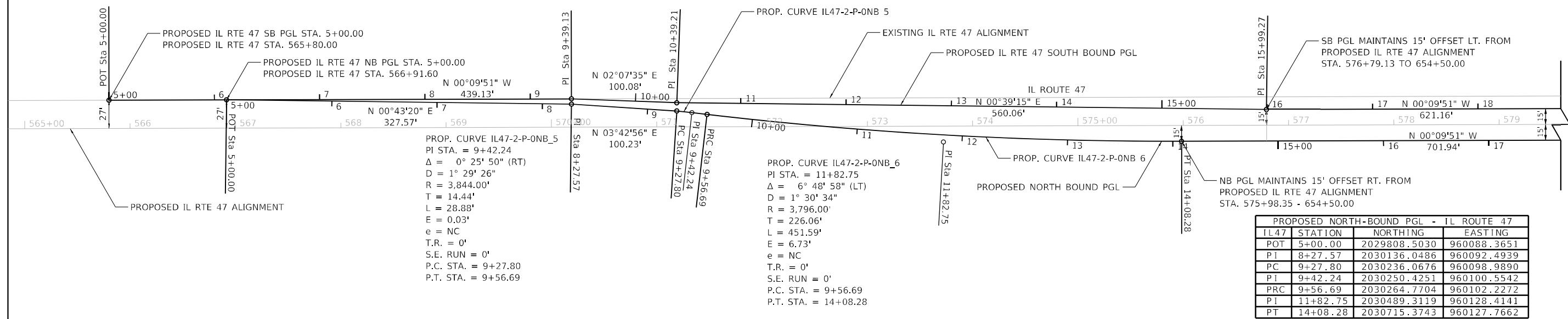
**IL ROUTE 47
PROPOSED ALIGNMENT**

SCALE: 1"=200' SHEET 2 OF 18 SHEETS STA. 558+00.00 TO STA. 673+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	19
			CONTRACT NO. 62W14	
ILLINOIS FED. AID PROJECT				



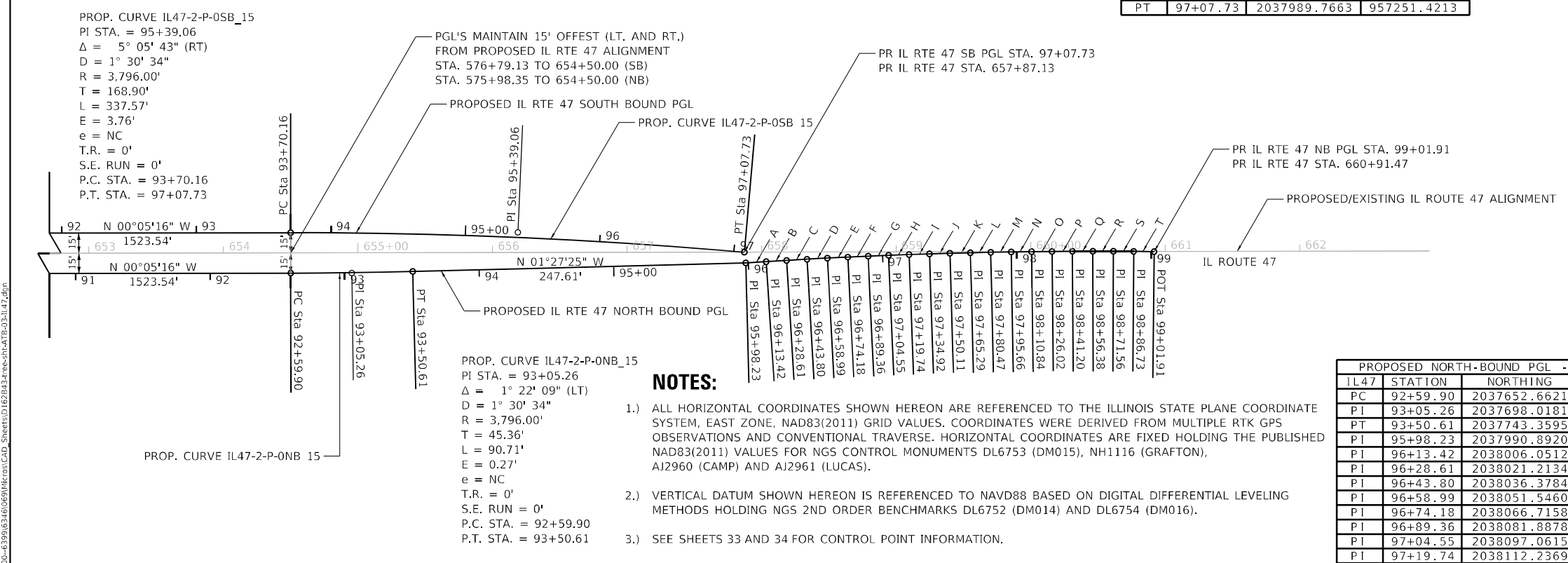
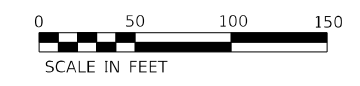
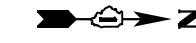
PROPOSED SOUTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
POT	5+00.00	2029696.9017	960088.6850
P1	9+39.13	2030136.0341	960087.4264
P1	10+39.21	2030236.0451	960091.1398
P1	15+99.27	2030796.0658	960097.5349



PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
POT	5+00.00	2029808.5030	960088.3651
P1	8+27.57	2030136.0486	960092.4939
PC	9+27.80	2030236.0676	960098.9890
P1	9+42.24	2030250.4251	960100.5542
PRC	9+56.69	2030264.7704	960102.2272
P1	11+82.75	2030489.3119	960128.4141
PT	14+08.28	2030715.3743	960127.7662

PROPOSED SOUTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
PC	93+70.16	2037652.6161	957236.9384
P1	95+39.06	2037821.5134	957236.6793
PT	97+07.73	2037989.7663	957251.4213

BEARING LENGTH TABLE		
NAME	BEARING	LENGTH
A.	N 03° 45' 12" W	15.19'
B.	N 03° 31' 35" W	15.19'
C.	N 03° 17' 58" W	15.19'
D.	N 03° 04' 21" W	15.19'
E.	N 02° 50' 44" W	15.19'
F.	N 02° 37' 07" W	15.19'
G.	N 02° 23' 30" W	15.19'
H.	N 02° 09' 53" W	15.19'
I.	N 01° 56' 16" W	15.19'
J.	N 01° 42' 39" W	15.18'
K.	N 01° 29' 02" W	15.18'
L.	N 01° 15' 25" W	15.18'
M.	N 01° 01' 48" W	15.18'
N.	N 00° 48' 11" W	15.18'
O.	N 00° 34' 34" W	15.18'
P.	N 00° 20' 57" W	15.18'
Q.	N 00° 07' 20" W	15.18'
R.	N 00° 06' 17" E	15.18'
S.	N 00° 19' 54" E	15.18'
T.	N 00° 33' 30" E	15.18'



NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
PC	92+59.90	2037652.6621	957266.9384
P1	93+05.26	2037698.0181	957266.8688
PT	93+50.61	2037743.3595	957265.7155
P1	95+98.23	2037990.8920	957259.4195
P1	96+13.42	2038006.0512	957258.4251
P1	96+28.61	2038021.2134	957257.4907
P1	96+43.80	2038036.3784	957256.6165
P1	96+58.99	2038051.5460	957255.8023
P1	96+74.18	2038066.7158	957255.0483
P1	96+89.36	2038081.8878	957254.3544
P1	97+04.55	2038097.0615	957253.7207
P1	97+19.74	2038112.2369	957253.1470

PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
P1	97+34.92	2038127.4136	957252.6335
P1	97+50.11	2038142.5915	957252.1802
P1	97+65.29	2038157.7702	957251.7870
P1	97+80.47	2038172.9496	957251.4539
P1	97+95.66	2038188.1293	957251.1810
P1	98+10.84	2038203.3092	957250.9682
P1	98+26.02	2038218.4891	957250.8155
P1	98+41.20	2038233.6686	957250.7230
P1	98+56.38	2038248.8476	957250.6906
P1	98+71.56	2038264.0259	957250.7183
P1	98+86.73	2038279.2030	957250.8061
POT	99+01.91	2038294.3790	957250.9540



USER NAME = jackd	DESIGNED - MAG	REVISIONS -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISIONS -
PLOT DATE = 10/9/2023	CHECKED - SJG	REVISIONS -
	DATE - 10/6/2023	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
PROPOSED NB & SB PGL ALIGNMENTS**

SCALE: 1"=50' SHEET 3 OF 18 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 20
		CONTRACT NO. 62W14		
		ILLINOIS		FED. AID PROJECT

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PLOT DATE	= 10/9/2023

DESIGNED	- MAG	REVISED	-
DRAWN	- DJW	REVISED	-
CHECKED	- SJG	REVISED	-
DATE	- 10/6/2023	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD
 EXISTING ALIGNMENT**

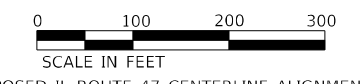
SCALE: 1"=100' SHEET 4 OF 18 SHEETS STA. 0+00.00 TO STA. 12+64.88

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	

PV RD	STATION	NORTHING	EASTING
POT	0+00.00	2032359.3915	958458.4805
PC	0+65.50	2032375.1766	958522.0516
PI	1+13.19	2032386.6688	958568.3338
PRC	1+60.87	2032399.4177	958614.2858
PI	3+93.13	2032461.5109	958838.0942
PT	6+23.07	2032467.4989	959070.2792
PC	11+71.74	2032481.6441	959618.7618
PI	12+05.24	2032482.5078	959652.2527
PT	12+36.39	2032503.3730	959678.4640
PI	12+64.88	2032521.1131	959700.7495

- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
 - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
 - 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
 - 4.) SEE SHEET 35 FOR BM INFO.

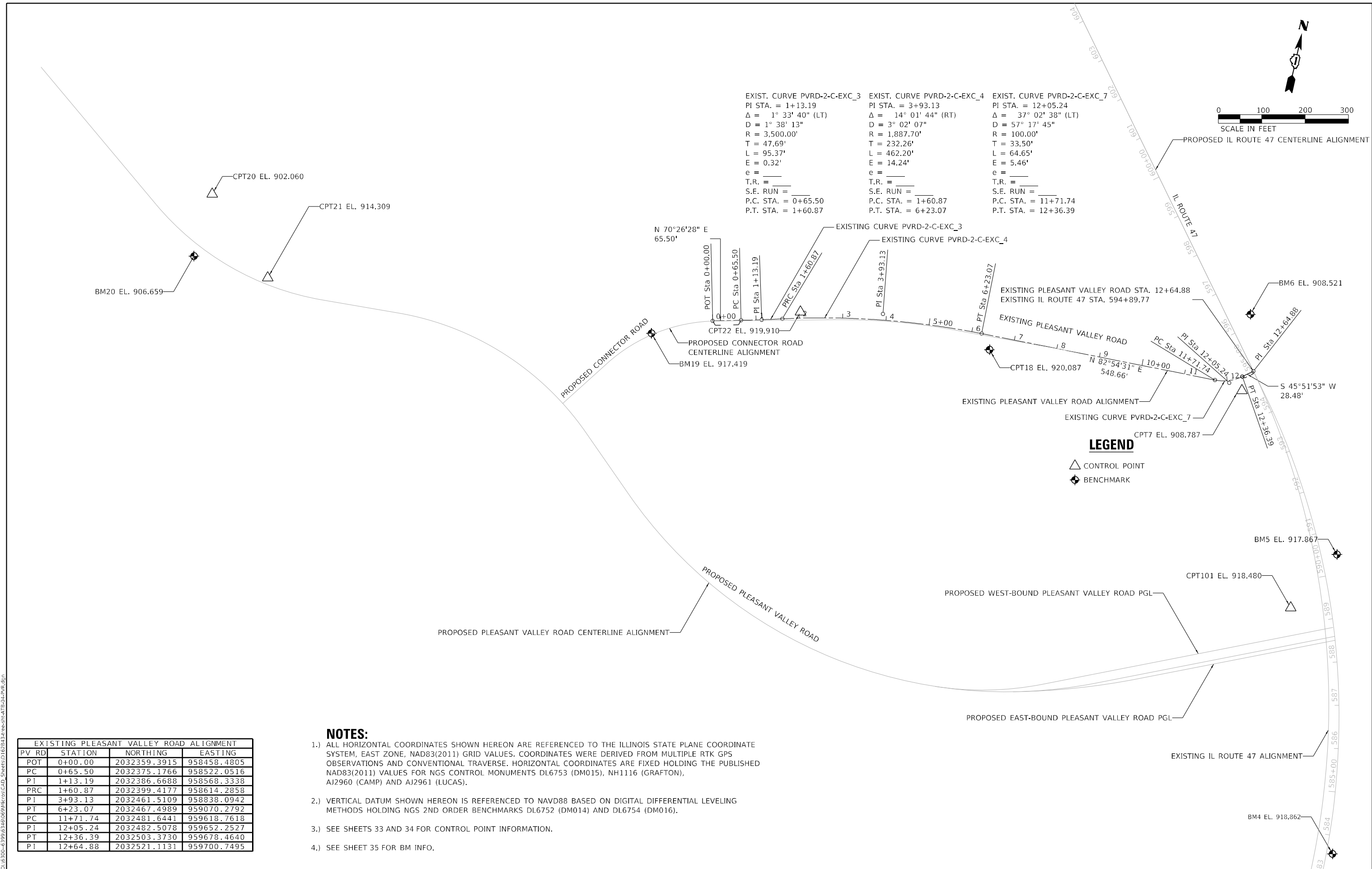
EXIST. CURVE PVRD-2-C-EXC_3	EXIST. CURVE PVRD-2-C-EXC_4	EXIST. CURVE PVRD-2-C-EXC_7
PI STA. = 1+13.19	PI STA. = 3+93.13	PI STA. = 12+05.24
Δ = 1° 33' 40" (LT)	Δ = 14° 01' 44" (RT)	Δ = 37° 02' 38" (LT)
D = 1° 38' 13"	D = 3° 02' 07"	D = 57° 17' 45"
R = 3,500.00'	R = 1,887.70'	R = 100.00'
T = 47.69'	T = 232.26'	T = 33.50'
L = 95.37'	L = 462.20'	L = 64.65'
E = 0.32'	E = 14.24'	E = 5.46'
e = _____	e = _____	e = _____
T.R. = _____	T.R. = _____	T.R. = _____
S.E. RUN = _____	S.E. RUN = _____	S.E. RUN = _____
P.C. STA. = 0+65.50	P.C. STA. = 1+60.87	P.C. STA. = 11+71.74
P.T. STA. = 1+60.87	P.T. STA. = 6+23.07	P.T. STA. = 12+36.39

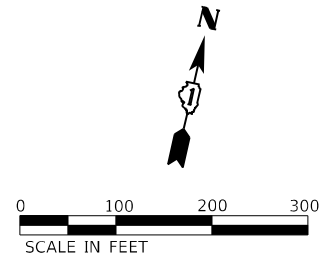


LEGEND

△ CONTROL POINT

⊕ BENCHMARK





PROP. CURVE CONN-2-C-007_3
 PI STA. = 402+55.07
 $\Delta = 42^\circ 52' 51''$ (RT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 117.81'$
 $L = 224.52'$
 $E = 22.30'$
 $e = 3.88\%$
 $T.R. = 25.00'$
 $S.E. RUN = 65.00'$
 $P.C. STA. = 401+37.26$
 $P.T. STA. = 403+61.78$

PROP. CURVE CONN-2-C-007_6
 PI STA. = 408+34.13
 $\Delta = 10^\circ 58' 02''$ (RT)
 $D = 3^\circ 55' 28''$
 $R = 1,460.00'$
 $T = 140.16'$
 $L = 279.47'$
 $E = 6.71'$
 $e = NC$ (LOW SPEED URBAN)
 $T.R. = NA$
 $S.E. RUN = NA$
 $P.C. STA. = 406+93.96$
 $P.T. STA. = 409+73.43$

PROP. CURVE PVRD-2-D-000_3
 PI STA. = 271+13.68
 $\Delta = 40^\circ 10' 45''$ (LT)
 $D = 8^\circ 57' 09''$
 $R = 640.00'$
 $T = 234.08'$
 $L = 448.81'$
 $E = 41.46'$
 $e = APPROX. 8\%$ (MATCH EX)
 $T.R. = 33.3'$
 $S.E. RUN = 177.6'$
 $P.C. STA. = 268+79.61$
 $P.T. STA. = 273+28.41$

PROP. CURVE PVRD-2-D-000_6
 PI STA. = 277+87.14
 $\Delta = 45^\circ 20' 50''$ (RT)
 $D = 8^\circ 40' 52''$
 $R = 660.00'$
 $T = 275.73'$
 $L = 522.36'$
 $E = 55.28'$
 $e = 6.0\%$
 $T.R. = 33.3'$
 $S.E. RUN = 133.2'$
 $P.C. STA. = 275+11.41$
 $P.T. STA. = 280+33.78$

PROP. CURVE PVRD-2-D-000_9
 PI STA. = 289+01.27
 $\Delta = 66^\circ 16' 29''$ (LT)
 $D = 5^\circ 24' 19''$
 $R = 1,060.00'$
 $T = 691.99'$
 $L = 1,226.11'$
 $E = 205.88'$
 $e = 6.0\%$
 $T.R. = 33.3'$
 $S.E. RUN = 133.2'$
 $P.C. STA. = 282+09.28$
 $P.T. STA. = 294+35.39$

PROPOSED CONNECTOR ROAD ALIGNMENT			
CONRD	STATION	NORTHING	EASTING
POT	400+00.00	2032106.9734	958225.5788
PC	401+37.26	2032221.0068	958225.5788
PT	402+55.07	2032319.0976	958291.0059
PT	403+61.78	2032346.3697	958405.6189
PC	406+93.96	2032423.2644	958728.7757
PI	408+34.13	2032455.7098	958865.1302
PT	409+73.43	2032461.6213	959005.1669
POT	412+69.36	2032474.1025	959300.8307

PROPOSED PLEASANT VALLEY ROAD ALIGNMENT			
PV RD	STATION	NORTHING	EASTING
POT	264+66.63	2032588.6785	956818.6795
PC	268+79.61	2032338.3344	957147.1252
PT	271+13.68	2032196.4390	957333.2887
PT	273+28.41	2032208.1358	957567.0714
PC	275+11.41	2032217.2803	957749.8428
PI	277+87.14	2032231.0584	958025.2261
PT	280+33.78	2032044.8395	958228.5688
PC	282+09.28	2031926.3115	958357.9962
PI	289+01.27	2031458.9609	958868.3223
PT	294+35.39	2031738.1164	959501.5058
POT	300+00.00	2031965.8857	960018.1345

- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
 - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
 - 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
 - 4.) SEE SHEET 35 FOR BM INFO.



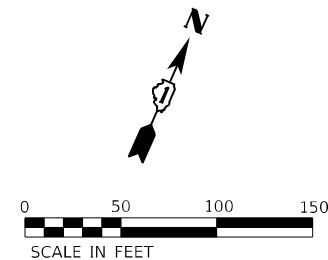
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PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLEASANT VALLEY ROAD AND CONNECTOR ROAD PROPOSED ALIGNMENTS			
SCALE: 1"=100'	SHEET 5	OF 18 SHEETS	STA. 264+66.63 TO STA. 300+00.00

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	

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 SHEET: 5 OF 18
 DATE: 10/6/2023



PROP. CURVE PVRD-2-P-0WB_1
 PI STA. = 2001+24.86
 $\Delta = 19^\circ 56' 54''$ (LT)
 $D = 8^\circ 04' 11''$
 $R = 710.00'$
 $T = 124.86'$
 $L = 247.20'$
 $E = 10.90'$
 $e = 6.0\%$
 $T.R. = 0'$
 $S.E. RUN = 55.5'$
 P.C. STA. = 2000+00.00
 P.T. STA. = 2002+47.20

PV RD	STATION	NORTHING	EASTING
PC	2000+00.00	2031650.4204	959144.9369
PI	2001+24.86	2031658.7893	959269.5189
PT	2002+47.20	2031709.1602	959383.7708
POT	2003+66.61	2031757.3319	959493.0342
POT	2009+31.22	2031985.1011	960009.6629

PROP. CURVE PVRD-2-P-0EB_1
 PI STA. = 2001+45.47
 $\Delta = 10^\circ 12' 37''$ (LT)
 $D = 3^\circ 31' 08''$
 $R = 1,628.28'$
 $T = 145.47'$
 $L = 290.17'$
 $E = 6.49'$
 $e = 5.4\%$
 $T.R. = 33.4'$
 $S.E. RUN = 98.0'$
 P.C. STA. = 2000+00.00
 P.T. STA. = 2002+90.17

PV RD	STATION	NORTHING	EASTING
PC	2000+00.00	2031677.6759	959322.8032
PI	2001+45.47	2031711.8353	959464.2044
PT	2002+90.17	2031770.5189	959597.3111
POT	2007+54.04	2031957.6506	960021.7652

NOTES:

- ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- SEE SHEET 35 FOR BM INFO.

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 DATE: 10/9/2023



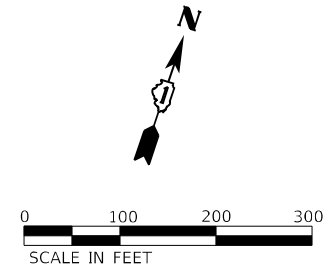
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	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD
PROPOSED EB AND WB PGL ALIGNMENTS**

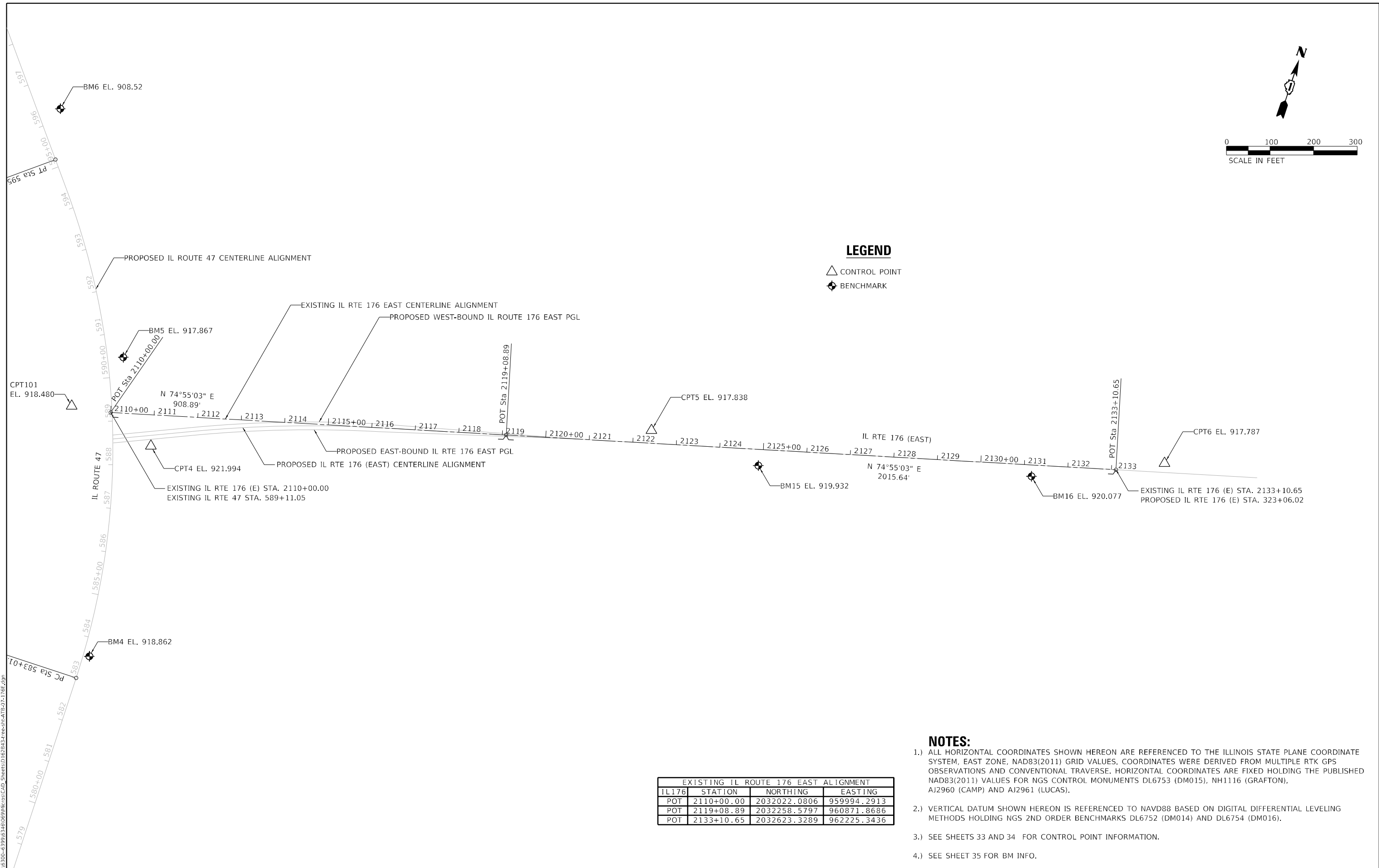
SCALE: 1"=50' SHEET 6 OF 18 SHEETS STA. 2000+00.00 TO STA. 2009+31.22

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	



LEGEND

- △ CONTROL POINT
- ⊕ BENCHMARK



EXISTING IL ROUTE 176 EAST ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	2110+00.00	2032022.0806	959994.2913
POT	2119+08.89	2032258.5797	960871.8686
POT	2133+10.65	2032623.3289	962225.3436

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
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- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

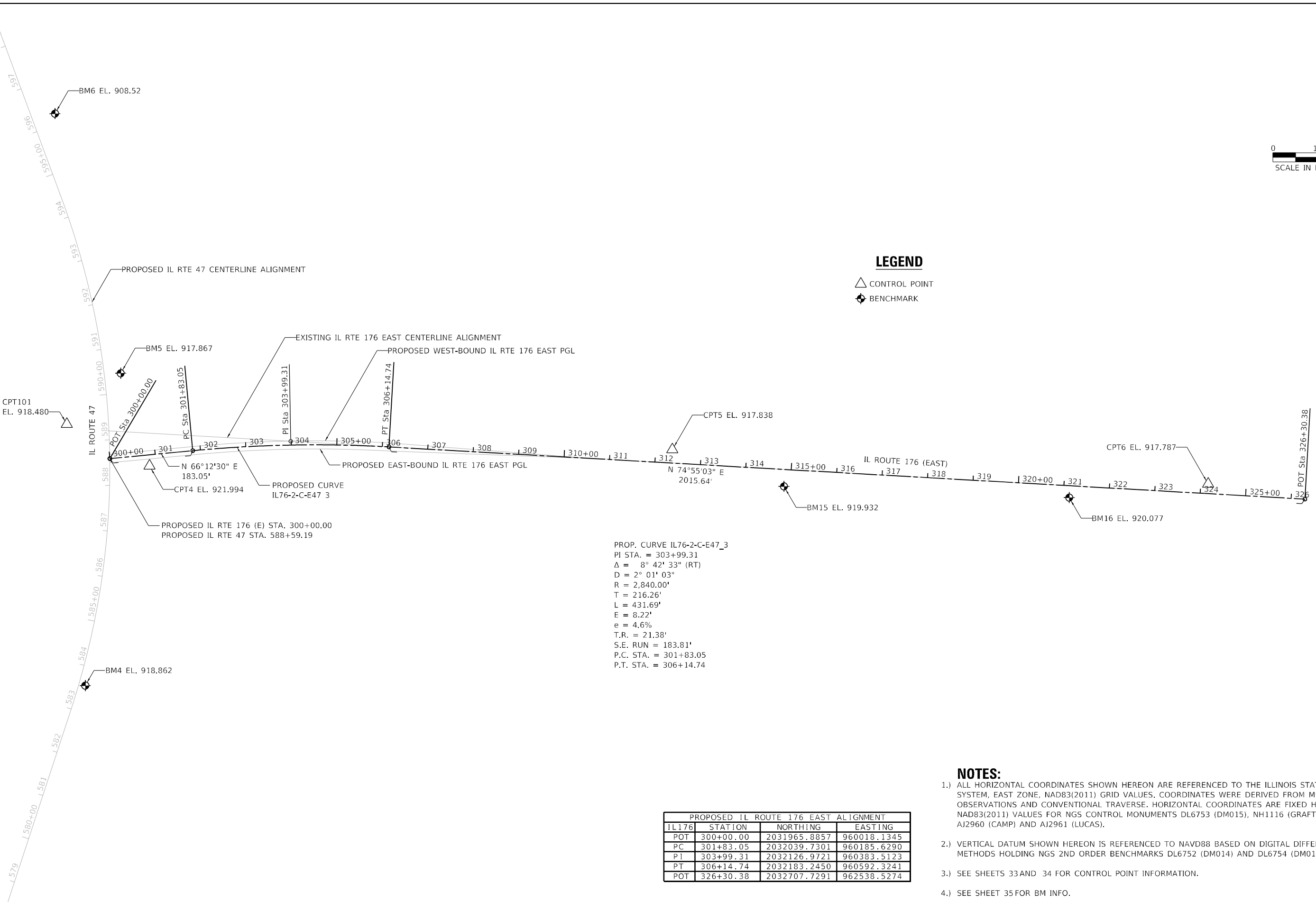
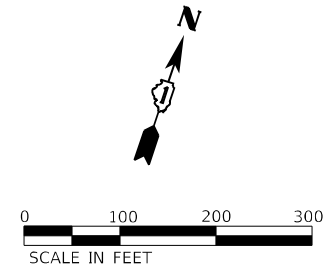
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
EXISTING ALIGNMENT**

SCALE: 1"=100' SHEET 7 OF 18 SHEETS STA. 2110+00.00 TO STA. 2133+10.65

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 24
ILLINOIS			FED. AID PROJECT	



LEGEND

- △ CONTROL POINT
- ⊕ BENCHMARK

PROP. CURVE IL76-2-C-E47_3
 PI STA. = 303+99.31
 $\Delta = 8^\circ 42' 33''$ (RT)
 $D = 2^\circ 01' 03''$
 $R = 2,840.00'$
 $T = 216.26'$
 $L = 431.69'$
 $E = 8.22'$
 $e = 4.6\%$
 $T.R. = 21.38'$
 $S.E. RUN = 183.81'$
 $P.C. STA. = 301+83.05$
 $P.T. STA. = 306+14.74$

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

PROPOSED IL ROUTE 176 EAST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	300+00.00	2031965.8857	960018.1345
PC	301+83.05	2032039.7301	960185.6290
PI	303+99.31	2032126.9721	960383.5123
PT	306+14.74	2032183.2450	960592.3241
POT	326+30.38	2032707.7291	962538.5274

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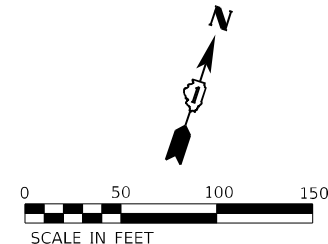
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
PROPOSED ALIGNMENT**

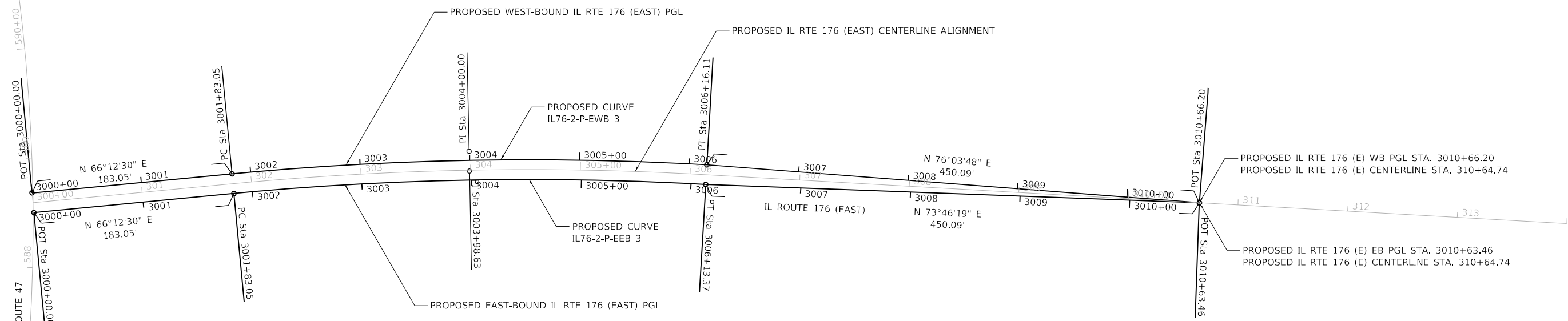
SCALE: 1"=50' SHEET 8 OF 18 SHEETS STA. 300+00.00 TO STA. 326+30.38

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	25
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



PROP. CURVE IL76-2-P-EWB_3
 PI STA. = 3004+00.00
 $\Delta = 8^\circ 42' 33''$ (RT)
 $D = 2^\circ 00' 40''$
 $R = 2,849.00'$
 $T = 216.95'$
 $L = 433.06'$
 $E = 8.25'$
 $e = 4.6\%$
 $T.R. = 79.9'$
 $S.E. RUN = 183.8'$
 $P.C. STA. = 3001+83.05$
 $P.T. STA. = 3006+16.11$

PROPOSED WEST-BOUND PGL - IL ROUTE 176 EAST			
IL176	STATION	NORTHING	EASTING
POT	3000+00.00	2031974.1209	960014.5038
PC	3001+83.05	2032047.9652	960181.9983
PI	3004+00.00	2032135.4838	960380.5087
PT	3006+16.11	2032191.9350	960589.9823
POT	3010+66.20	2032300.3385	961026.8228



PROP. CURVE IL76-2-P-EEB_3
 PI STA. = 3003+98.63
 $\Delta = 8^\circ 42' 33''$ (RT)
 $D = 2^\circ 01' 26''$
 $R = 2,831.00'$
 $T = 215.58'$
 $L = 430.32'$
 $E = 8.20'$
 $e = NC$
 $T.R. = 0'$
 $S.E. RUN = 0'$
 $P.C. STA. = 3001+83.05$
 $P.T. STA. = 3006+13.37$

PROPOSED IL RTE 176 (E) WB PGL STA. 3010+66.20
 PROPOSED IL RTE 176 (E) CENTERLINE STA. 310+64.74
 PROPOSED IL RTE 176 (E) EB PGL STA. 3010+63.46
 PROPOSED IL RTE 176 (E) CENTERLINE STA. 310+64.74

PROPOSED EAST-BOUND PGL - IL ROUTE 176 EAST			
IL176	STATION	NORTHING	EASTING
POT	3000+00.00	2031957.6506	960021.7652
PC	3001+83.05	2032031.4949	960189.2597
PI	3003+98.63	2032118.4605	960386.5159
PT	3006+13.37	2032174.5550	960594.6660
POT	3010+63.46	2032300.3385	961026.8228

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
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- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

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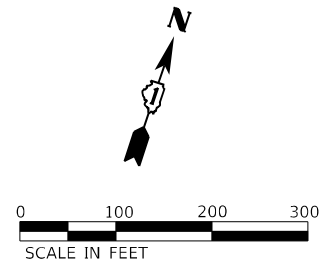
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 176 (EAST)
 PROPOSED EB &WB PGL ALIGNMENT

SCALE: 1"=50' SHEET 9 OF 18 SHEETS STA. 3000+00.00 TO STA. 3010+66.20

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 26
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



EXISTING IL ROUTE 176 WEST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	405+00.00	2035553.0490	954447.6229
PC	406+80.43	2035553.5710	954628.0559
PI	406+99.82	2035553.6270	954647.4459
PT	407+19.21	2035553.7458	954666.8356
POT	434+09.96	2035570.2255	957357.5360

EXIST. CURVE IL76-2-C-WEX_3
 PI STA. = 406+99.82
 $\Delta = 0^\circ 11' 07''$ (LT)
 $D = 0^\circ 28' 39''$
 $R = 12,000.00'$
 $T = 19.39'$
 $L = 38.78'$
 $E = 0.02'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 406+80.43$
 $P.T. \text{ STA.} = 407+19.21$

LEGEND

- CONTROL POINT
- BENCHMARK

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
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- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

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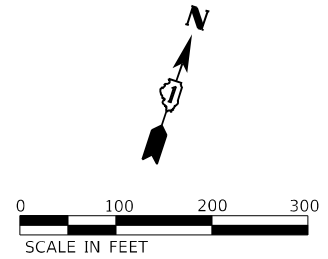
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)
EXISTING ALIGNMENT**

SCALE: 1"=100' SHEET 10 OF 18 SHEETS STA. 405+00.00 TO STA. 434+09.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	27
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



PROPOSED IL ROUTE 176 WEST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	397+50.00	2035551.7581	954197.6262
POT	400+00.00	2035553.0490	954447.6229
PC	403+28.16	2035554.7434	954775.7790
PI	404+14.46	2035555.1891	954862.0808
PT	405+00.76	2035556.8759	954948.3673
PC	423+60.14	2035593.2192	956807.3910
PI	424+35.14	2035594.6851	956882.3782
PT	425+10.14	2035595.2137	956957.3779
POT	429+00.05	2035597.9613	957347.2700

LEGEND

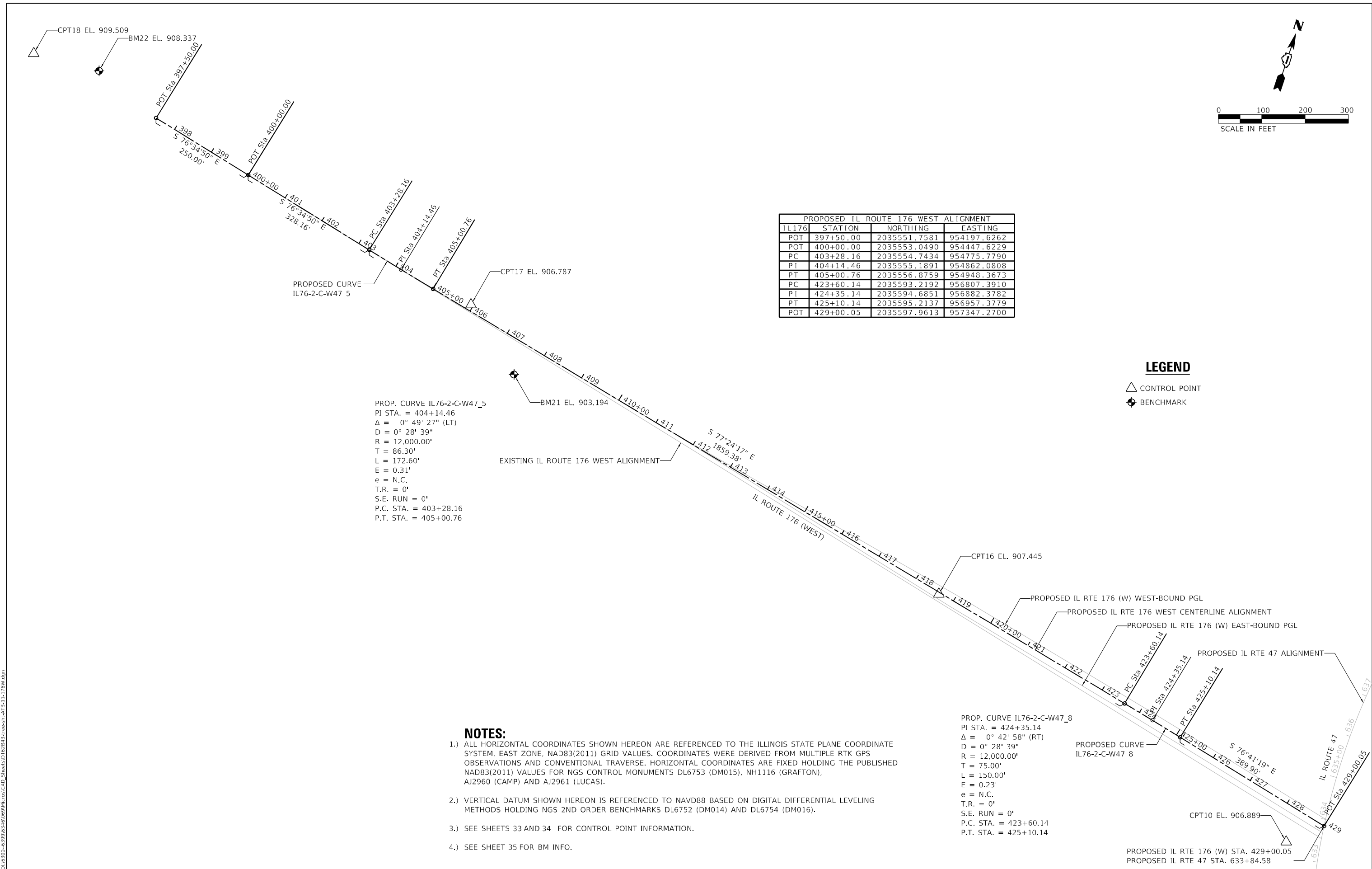
- △ CONTROL POINT
- ⊕ BENCHMARK

PROP. CURVE IL76-2-C-W47_5
 PI STA. = 404+14.46
 $\Delta = 0^\circ 49' 27''$ (LT)
 $D = 0^\circ 28' 39''$
 $R = 12,000.00'$
 $T = 86.30'$
 $L = 172.60'$
 $E = 0.31'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 403+28.16$
 $P.T. \text{ STA.} = 405+00.76$

PROP. CURVE IL76-2-C-W47_8
 PI STA. = 424+35.14
 $\Delta = 0^\circ 42' 58''$ (RT)
 $D = 0^\circ 28' 39''$
 $R = 12,000.00'$
 $T = 75.00'$
 $L = 150.00'$
 $E = 0.23'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 423+60.14$
 $P.T. \text{ STA.} = 425+10.14$

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

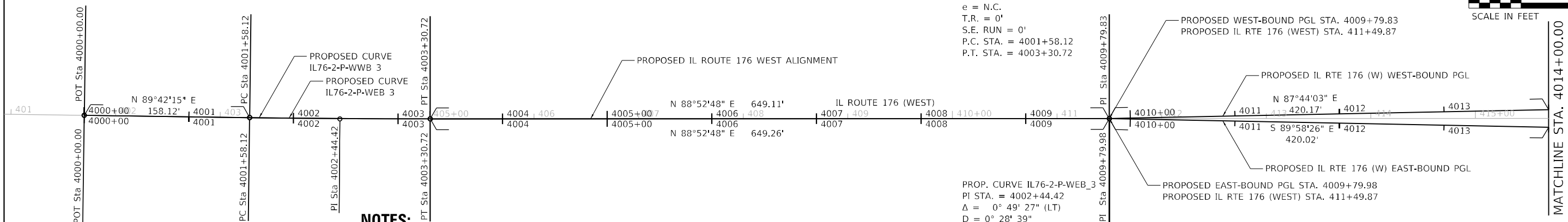


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1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = jackd DESIGNED - MAG DRAWN - DJW CHECKED - SJG PLOT DATE = 10/9/2023	REVISIONS REVISIONS REVISIONS REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 176 WEST PROPOSED ALIGNMENT		F.A.P. RTE. = 296348 SECTION = FAP 0348 23 TR COUNTY = MCHENRY ILLINOIS FED. AID PROJECT	TOTAL SHEETS = 50 SHEET NO. = 28 CONTRACT NO. = 62W14
	SCALE: 1"=100' SHEET 11 OF 18 SHEETS STA. 397+50.00 TO STA. 429+00.05						

PROPOSED WEST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
POT	4000+00.00	2034323.5035	950906.7811
PC	4001+58.12	2034324.3200	951064.8995
PI	4002+44.42	2034324.7656	951151.2013
PT	4003+30.72	2034326.4525	951237.4878
PI	4009+79.83	2034339.1398	951886.4703

PROP. CURVE IL76-2-P-WWB_3
 PI STA. = 4002+44.42
 $\Delta = 0^\circ 49' 27''$ (LT)
 $D = 0^\circ 28' 39''$
 $R = 12,000.00'$
 $T = 86.30'$
 $L = 172.60'$
 $e = 0.31'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 4001+58.12$
 $P.T. \text{ STA.} = 4003+30.72$



NOTES:

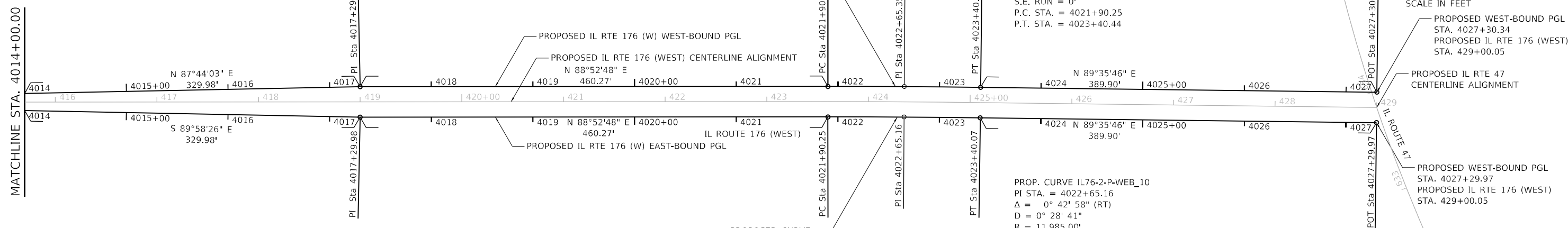
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

PROPOSED EAST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
POT	4000+00.00	2034323.5035	950906.7811
PC	4001+58.12	2034324.3200	951064.8995
PI	4002+44.42	2034324.7656	951151.2013
PT	4003+30.72	2034326.4525	951237.4878
PI	4009+79.98	2034339.1428	951886.6203

PROP. CURVE IL76-2-P-WEB_3
 PI STA. = 4002+44.42
 $\Delta = 0^\circ 49' 27''$ (LT)
 $D = 0^\circ 28' 39''$
 $R = 12,000.00'$
 $T = 86.30'$
 $L = 172.60'$
 $e = 0.31'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 4001+58.12$
 $P.T. \text{ STA.} = 4003+30.72$

PROPOSED WEST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
PI	4017+29.98	2034368.7964	952636.0339
PC	4021+90.25	2034377.7928	953096.2183
PI	4022+65.35	2034379.2606	953171.2993
PT	4023+40.44	2034379.7898	953246.3927
POT	4027+30.34	2034382.5374	953636.2848

PROP. CURVE IL76-2-P-WWB_10
 PI STA. = 4022+65.35
 $\Delta = 0^\circ 42' 58''$ (RT)
 $D = 0^\circ 28' 37''$
 $R = 12,015.00'$
 $T = 75.10'$
 $L = 150.19'$
 $e = 0.23'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 4021+90.25$
 $P.T. \text{ STA.} = 4023+40.44$



PROPOSED EAST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
PI	4017+29.98	2034338.8021	952636.6202
PC	4021+90.25	2034347.7985	953096.8047
PI	4022+65.16	2034349.2627	953171.6982
PT	4023+40.07	2034349.7906	953246.6041
POT	4027+29.97	2034352.5382	953636.4962

PROP. CURVE IL76-2-P-WEB_10
 PI STA. = 4022+65.16
 $\Delta = 0^\circ 42' 58''$ (RT)
 $D = 0^\circ 28' 41''$
 $R = 11,985.00'$
 $T = 74.91'$
 $L = 149.81'$
 $e = 0.23'$
 $e = \text{N.C.}$
 $T.R. = 0'$
 $S.E. \text{ RUN} = 0'$
 $P.C. \text{ STA.} = 4021+90.25$
 $P.T. \text{ STA.} = 4023+40.07$

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)
 PROPOSED PGL ALIGNMENTS**

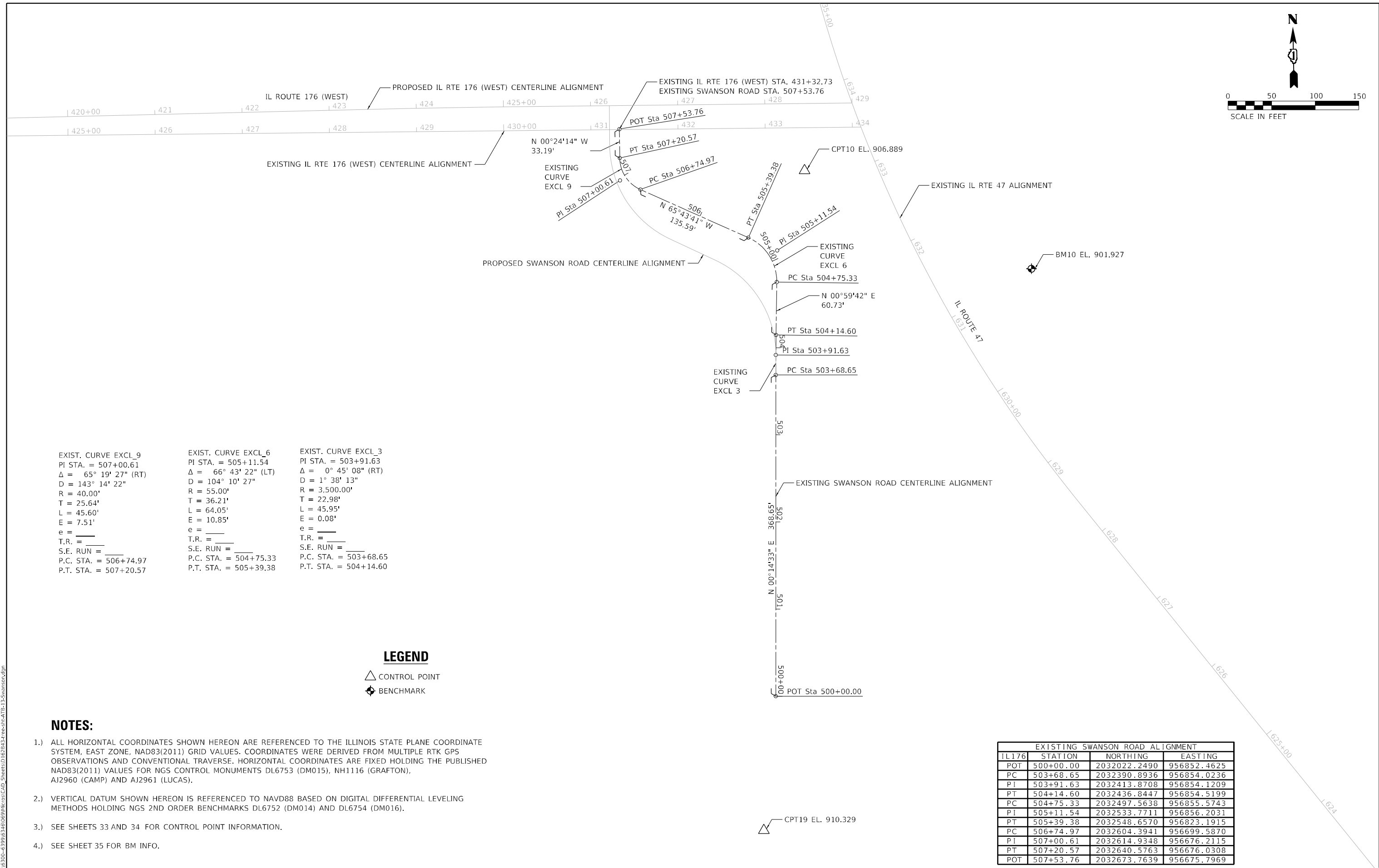
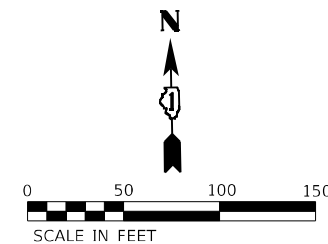
SCALE: 1"=50' SHEET 12 OF 18 SHEETS STA. 403+78.38 TO STA. 429+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	29
			CONTRACT NO. 62W14	
ILLINOIS FED. AID PROJECT				

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

USER NAME = jackd	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 10/9/2023	CHECKED - SIG	REVISED -
	DATE - 10/6/2023	REVISED -

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 SHEET: 12 OF 18



EXIST. CURVE EXCL_9 PI STA. = 507+00.61 Δ = 65° 19' 27" (RT) D = 143' 14' 22" R = 40.00' T = 25.64' L = 45.60' E = 7.51' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 506+74.97 P.T. STA. = 507+20.57	EXIST. CURVE EXCL_6 PI STA. = 505+11.54 Δ = 66° 43' 22" (LT) D = 104' 10' 27" R = 55.00' T = 36.21' L = 64.05' E = 10.85' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 504+75.33 P.T. STA. = 505+39.38	EXIST. CURVE EXCL_3 PI STA. = 503+91.63 Δ = 0° 45' 08" (RT) D = 1° 38' 13" R = 3,500.00' T = 22.98' L = 45.95' E = 0.08' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 503+68.65 P.T. STA. = 504+14.60
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LEGEND

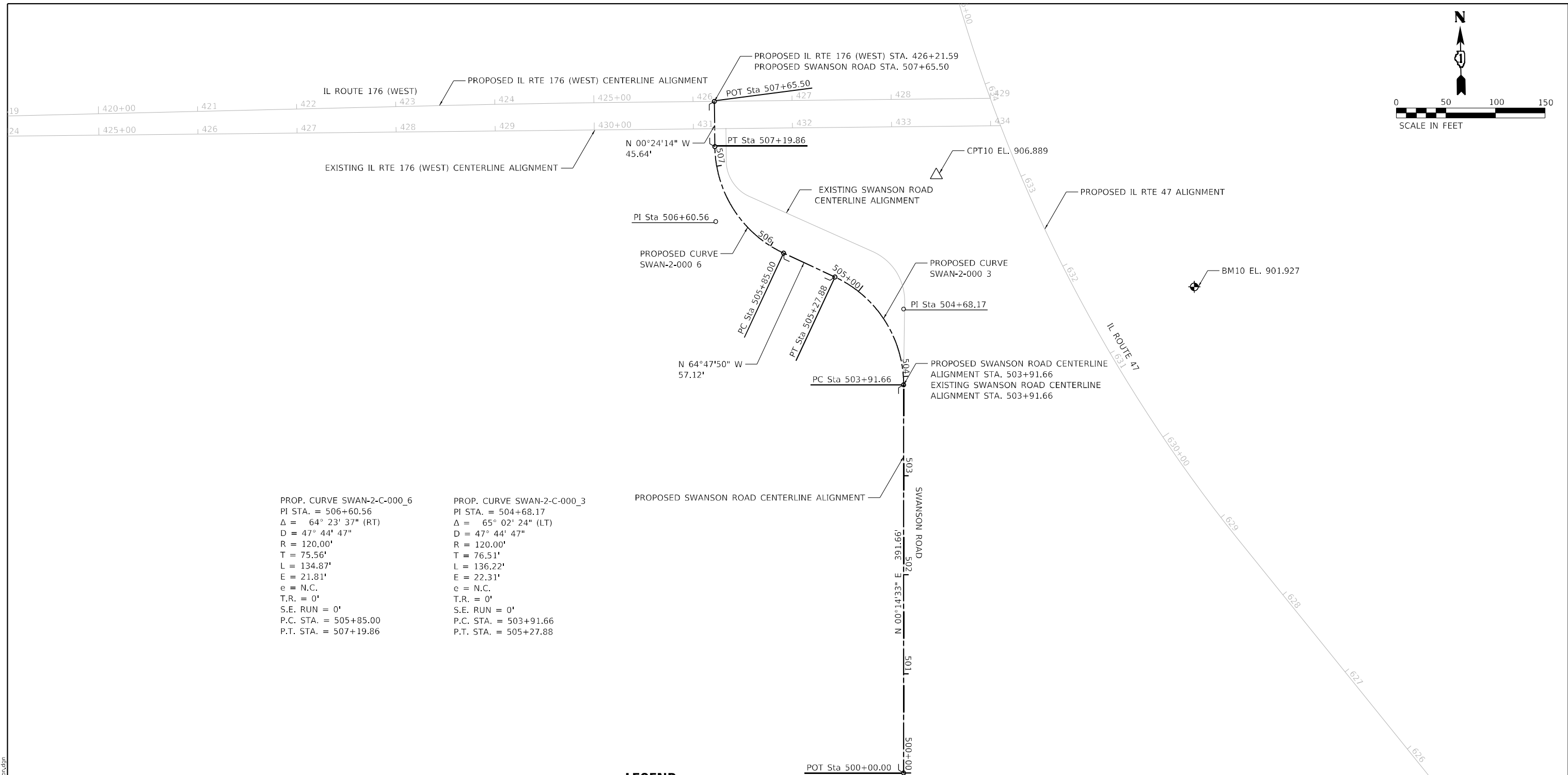
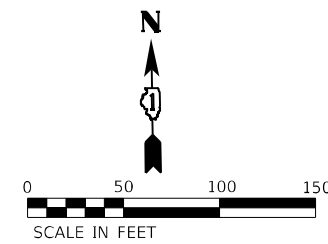
- △ CONTROL POINT
- ⊕ BENCHMARK

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

EXISTING SWANSON ROAD ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	500+00.00	2032022.2490	956852.4625
PC	503+68.65	2032390.8936	956854.0236
PI	503+91.63	2032413.8708	956854.1209
PT	504+14.60	2032436.8447	956854.5199
PC	504+75.33	2032497.5638	956855.5743
PI	505+11.54	2032533.7711	956856.2031
PT	505+39.38	2032548.6570	956823.1915
PC	506+74.97	2032604.3941	956699.5870
PI	507+00.61	2032614.9348	956676.2115
PT	507+20.57	2032640.5763	956676.0308
POT	507+53.76	2032673.7639	956675.7969

MODEL: D:\4641\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dwg
 FILE NAME: 1170 SOUTH HOUBOLT ROAD.dwg
 STRAND ASSOCIATES



PROP. CURVE SWAN-2-C-000_6 PI STA. = 506+60.56 $\Delta = 64^\circ 23' 37''$ (RT) $D = 47^\circ 44' 47''$ $R = 120.00'$ $T = 75.56'$ $L = 134.87'$ $E = 21.81'$ $e = \text{N.C.}$ $T.R. = 0'$ $S.E. \text{ RUN} = 0'$ $P.C. \text{ STA.} = 505+85.00$ $P.T. \text{ STA.} = 507+19.86$	PROP. CURVE SWAN-2-C-000_3 PI STA. = 504+68.17 $\Delta = 65^\circ 02' 24''$ (LT) $D = 47^\circ 44' 47''$ $R = 120.00'$ $T = 76.51'$ $L = 136.22'$ $E = 22.31'$ $e = \text{N.C.}$ $T.R. = 0'$ $S.E. \text{ RUN} = 0'$ $P.C. \text{ STA.} = 503+91.66$ $P.T. \text{ STA.} = 505+27.88$
--	--

LEGEND

- CONTROL POINT
- BENCHMARK

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

PROPOSED SWANSON ROAD ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	500+00.00	2034917.5643	957256.9642
PC	503+91.66	2035309.2226	957258.6227
PI	504+68.17	2035385.7292	957258.9467
PT	505+27.88	2035418.3077	957189.7224
PC	505+85.00	2035442.6289	957138.0434
PI	506+60.56	2035474.8033	957069.6774
PT	507+19.86	2035550.3601	957069.1450
POT	507+65.50	2035595.9990	957068.8233

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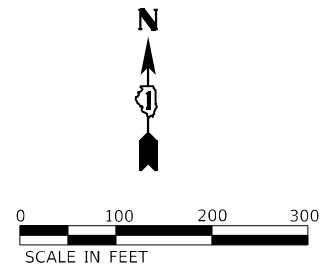
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PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SWANSON ROAD
PROPOSED ALIGNMENT**

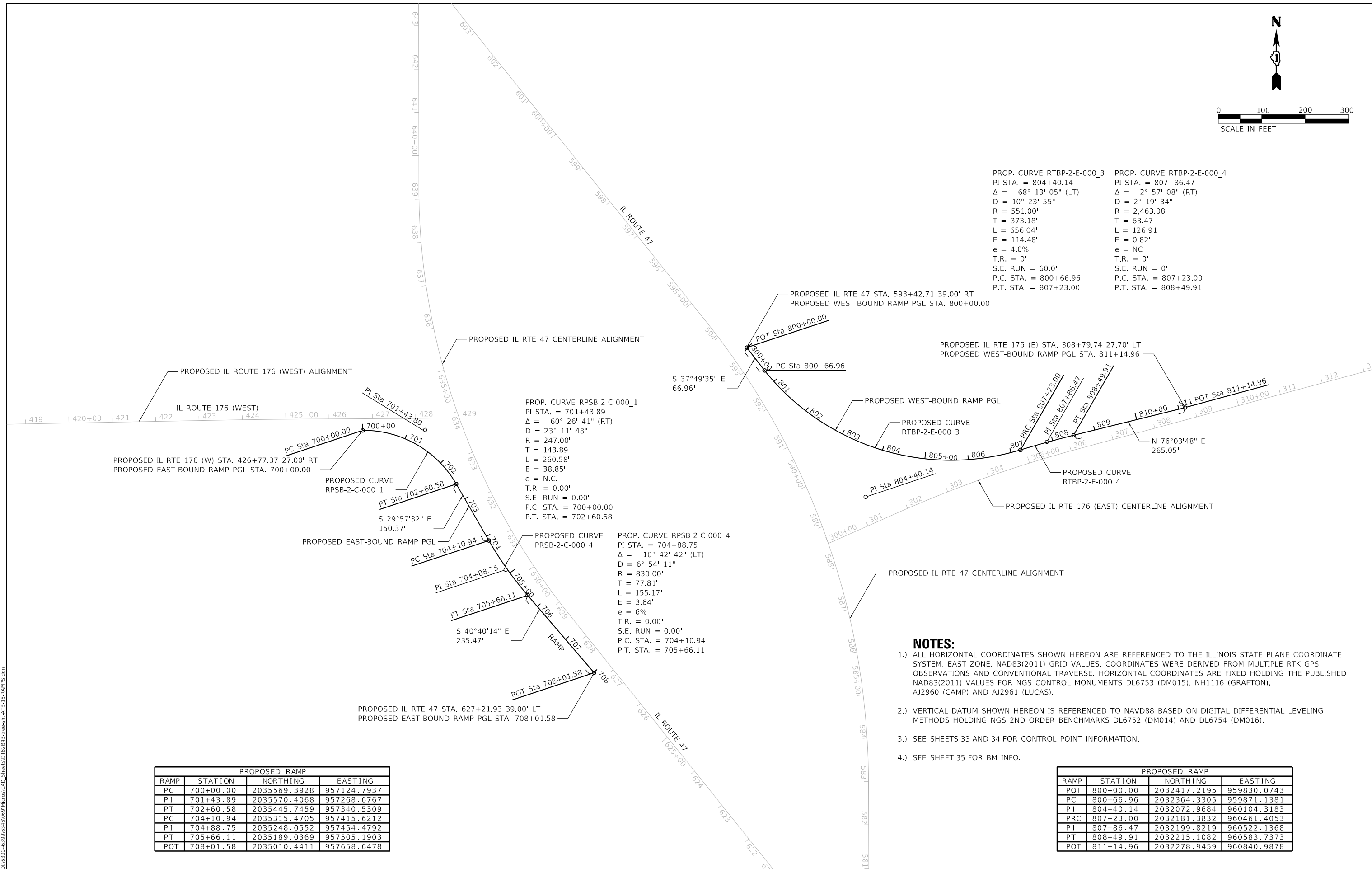
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F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	



PROP. CURVE RTBP-2-E-000_3
 PI STA. = 804+40.14
 $\Delta = 68^\circ 13' 05''$ (LT)
 $D = 10^\circ 23' 55''$
 $R = 551.00'$
 $T = 373.18'$
 $L = 656.04'$
 $E = 114.48'$
 $e = 4.0\%$
 $T.R. = 0'$
 $S.E. RUN = 60.0'$
 $P.C. STA. = 800+66.96$
 $P.T. STA. = 807+23.00$

PROP. CURVE RTBP-2-E-000_4
 PI STA. = 807+86.47
 $\Delta = 2^\circ 57' 08''$ (RT)
 $D = 2^\circ 19' 34''$
 $R = 2,463.08'$
 $T = 63.47'$
 $L = 126.91'$
 $E = 0.82'$
 $e = NC$
 $T.R. = 0'$
 $S.E. RUN = 0'$
 $P.C. STA. = 807+23.00$
 $P.T. STA. = 808+49.91$



PROP. CURVE RPSB-2-C-000_1
 PI STA. = 701+43.89
 $\Delta = 60^\circ 26' 41''$ (RT)
 $D = 23^\circ 11' 48''$
 $R = 247.00'$
 $T = 143.89'$
 $L = 260.58'$
 $E = 38.85'$
 $e = N.C.$
 $T.R. = 0.00'$
 $S.E. RUN = 0.00'$
 $P.C. STA. = 700+00.00$
 $P.T. STA. = 702+60.58$

PROP. CURVE PRSB-2-C-000_4
 PI STA. = 704+88.75
 $\Delta = 10^\circ 42' 42''$ (LT)
 $D = 6^\circ 54' 11''$
 $R = 830.00'$
 $T = 77.81'$
 $L = 155.17'$
 $E = 3.64'$
 $e = 6\%$
 $T.R. = 0.00'$
 $S.E. RUN = 0.00'$
 $P.C. STA. = 704+10.94$
 $P.T. STA. = 705+66.11$

NOTES:

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 33 AND 34 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 35 FOR BM INFO.

PROPOSED RAMP			
RAMP	STATION	NORTHING	EASTING
PC	700+00.00	2035569.3928	957124.7937
PI	701+43.89	2035570.4068	957268.6767
PT	702+60.58	2035445.7459	957340.5309
PC	704+10.94	2035315.4705	957415.6212
PI	704+88.75	2035248.0552	957454.4792
PT	705+66.11	2035189.0369	957505.1903
POT	708+01.58	2035010.4411	957658.6478

PROPOSED RAMP			
RAMP	STATION	NORTHING	EASTING
POT	800+00.00	2032417.2195	959830.0743
PC	800+66.96	2032364.3305	959871.1381
PI	804+40.14	2032072.9684	960104.3183
PRC	807+23.00	2032181.3832	960461.4053
PI	807+86.47	2032199.8219	960522.1368
PT	808+49.91	2032215.1082	960583.7373
POT	811+14.96	2032278.9459	960840.9878

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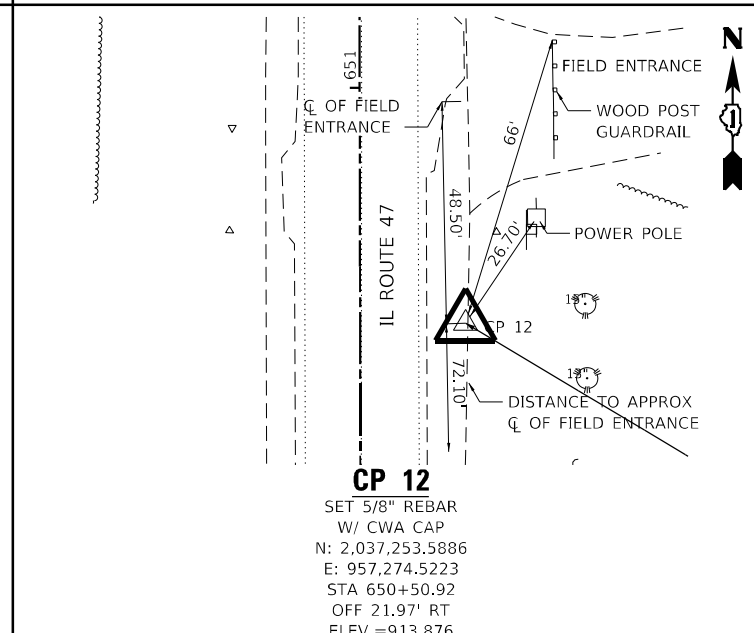
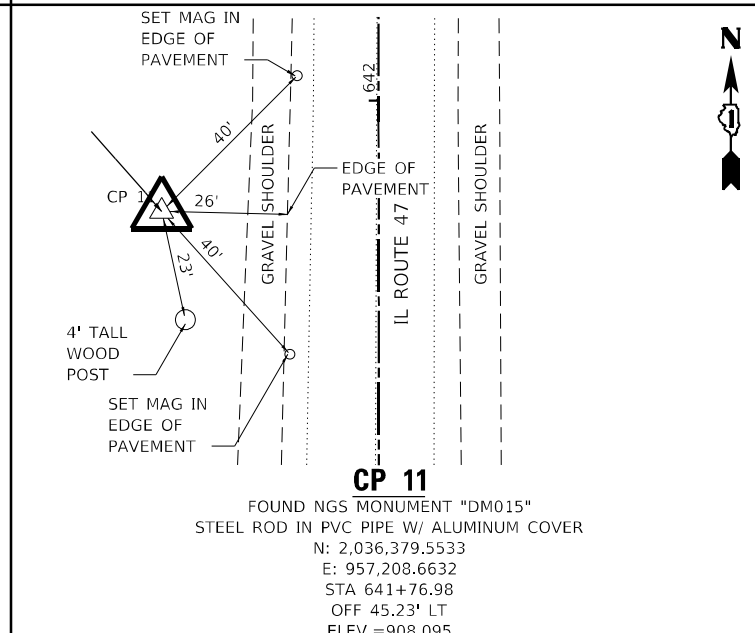
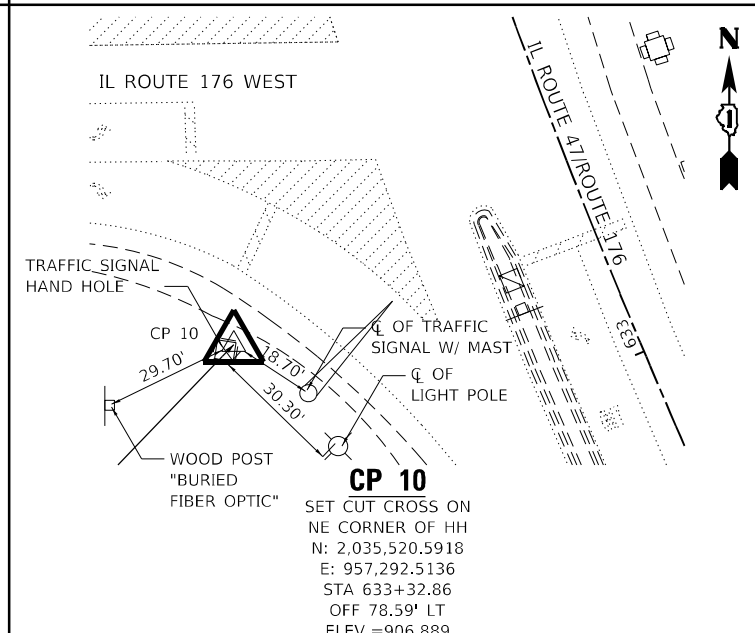
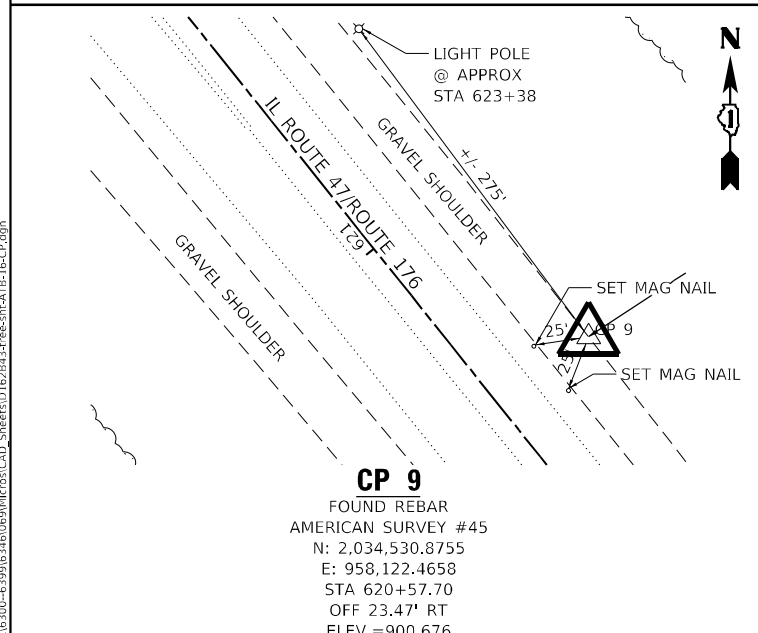
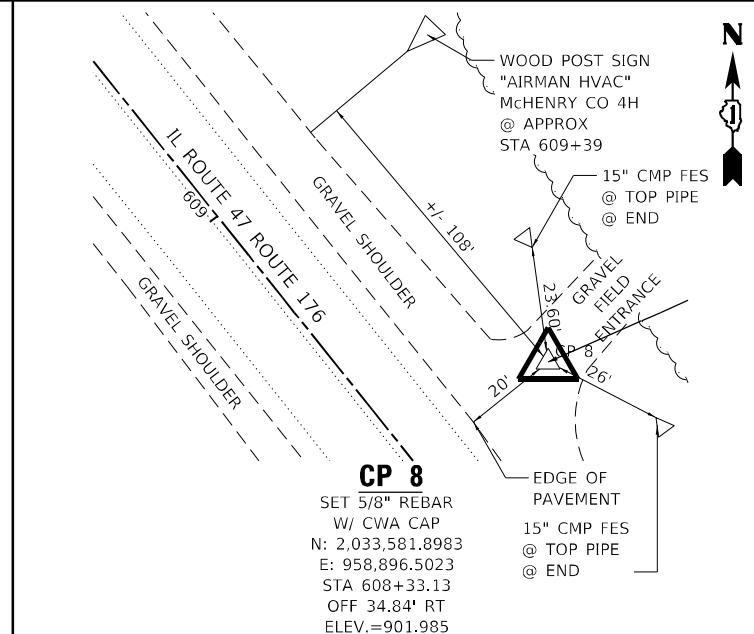
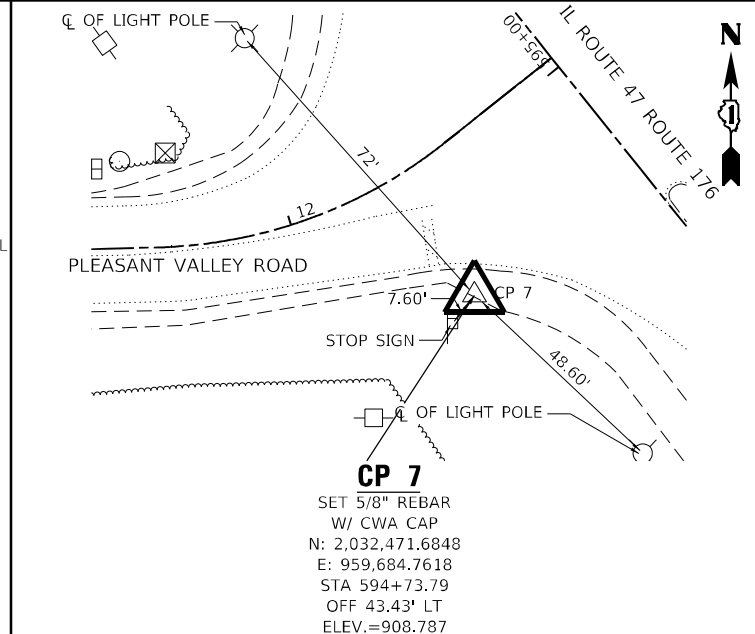
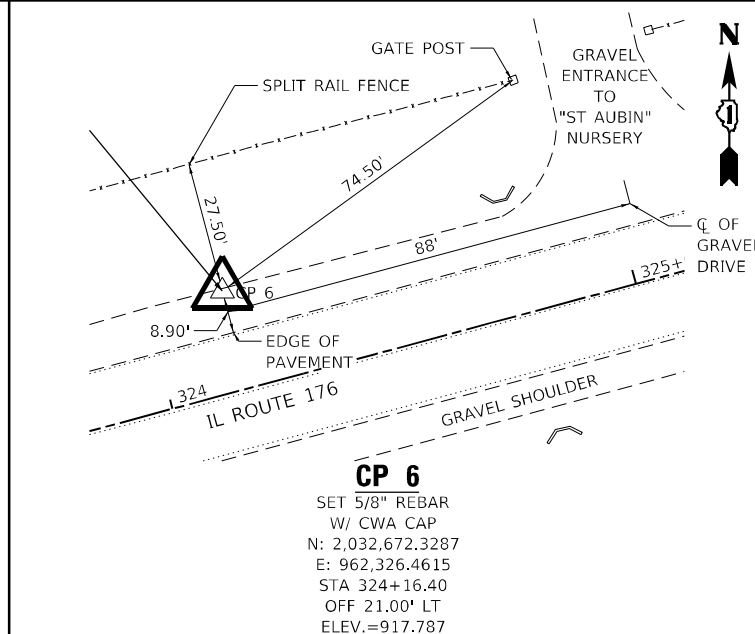
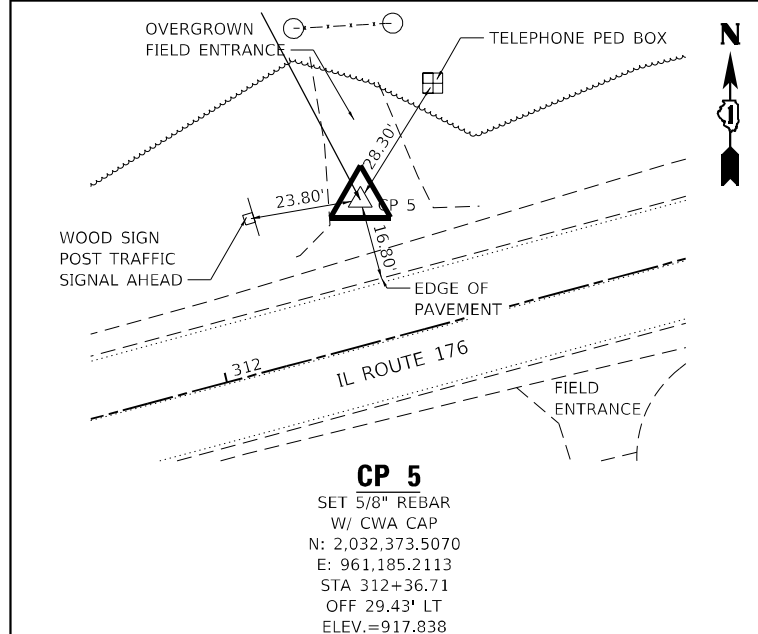
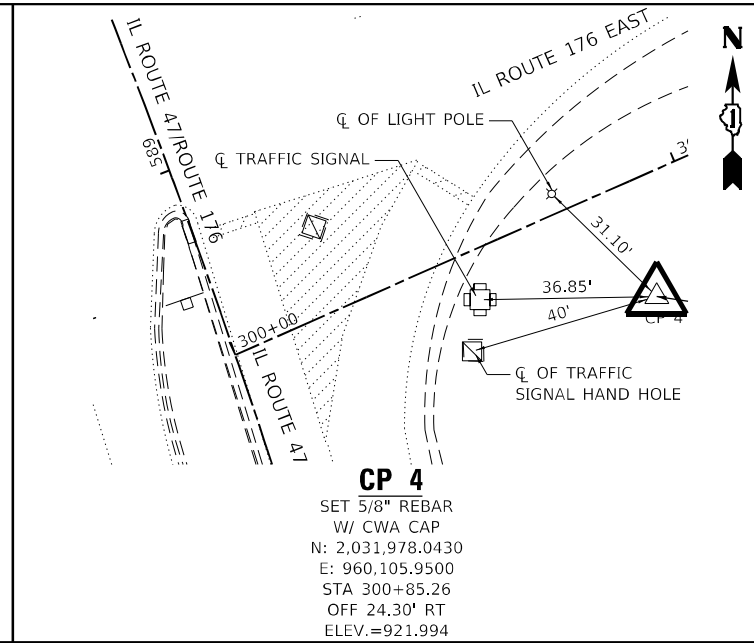
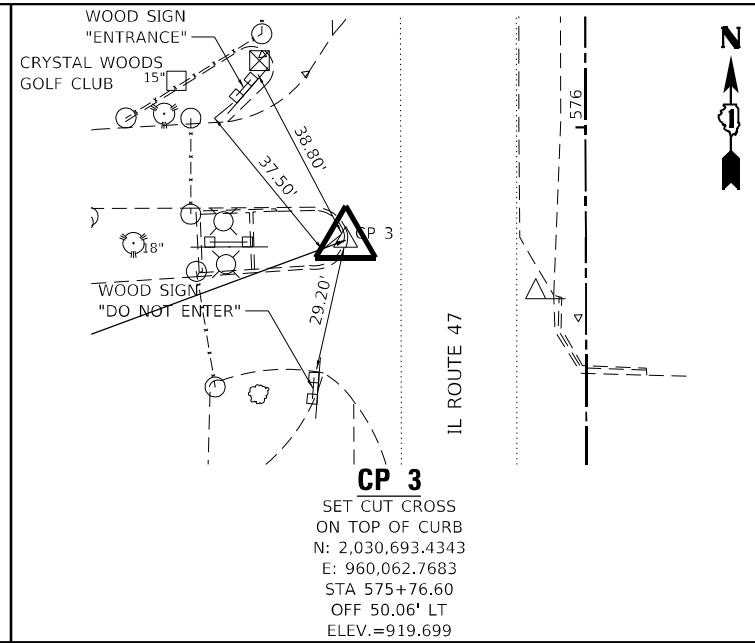
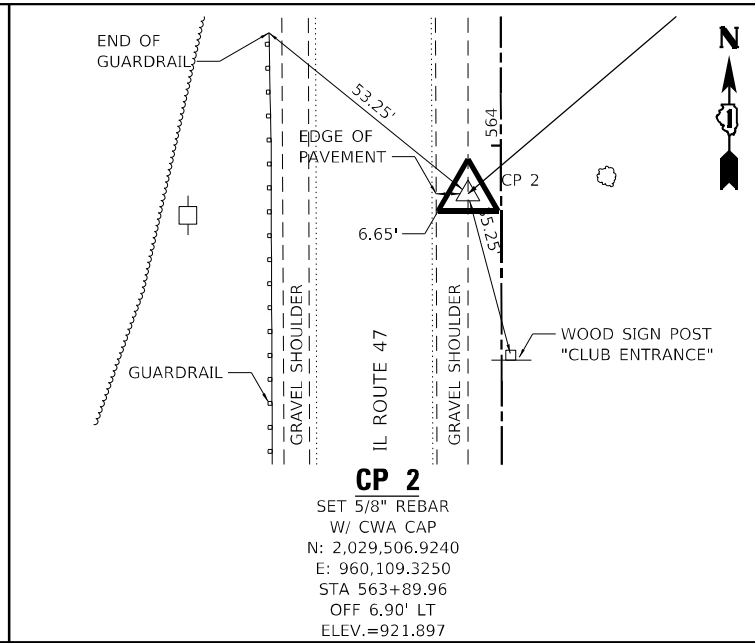
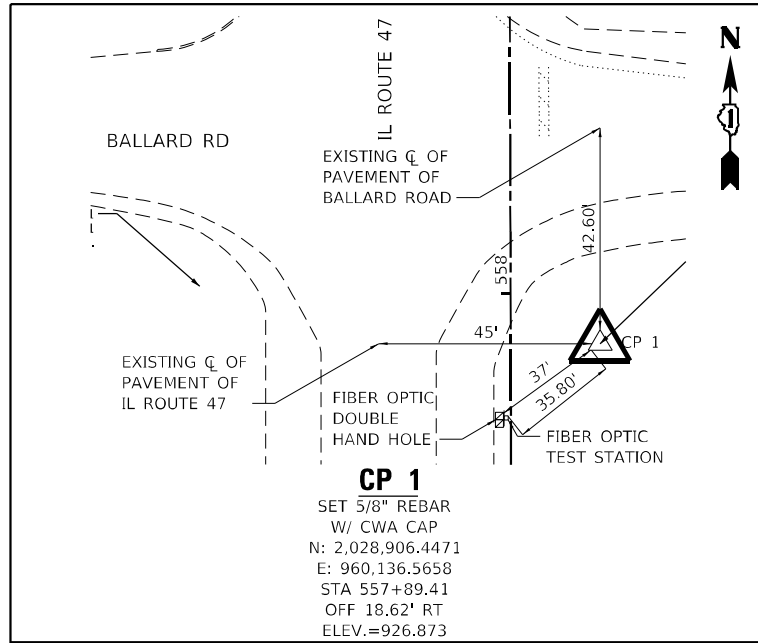
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PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP
PROPOSED ALIGNMENTS

SCALE: 1"=100' SHEET 15 OF 18 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	



MODEL: D:\4716\1170_SOUTH_HOUBOLT_ROAD\1170_SOUTH_HOUBOLT_ROAD_SHEET\1170_SOUTH_HOUBOLT_ROAD_SHEET.dwg
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 SHEET NO: 16
 DATE: 10/9/2023



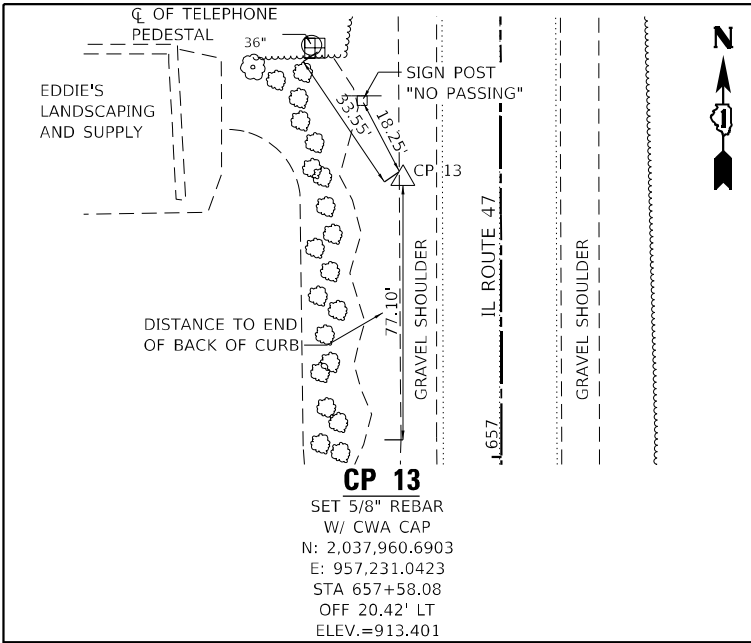
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	DRAWN - DJW	REVISED -
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

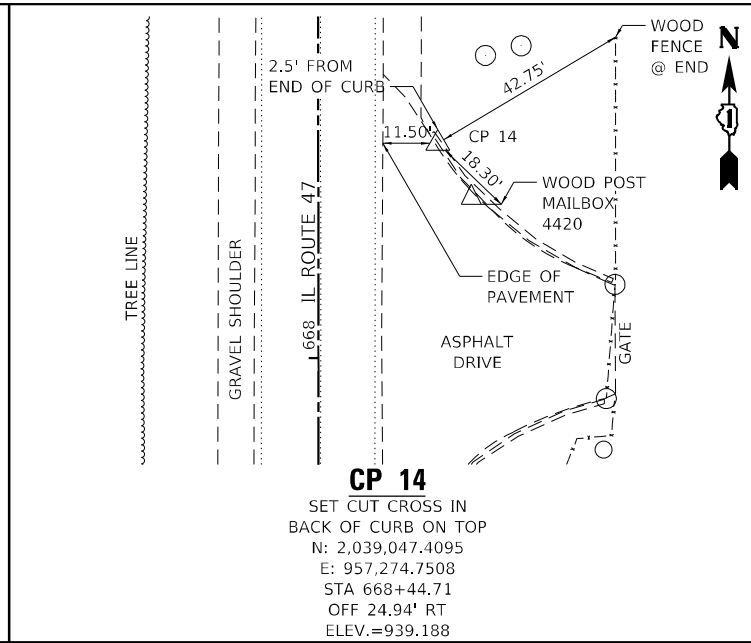
CONTROL POINTS

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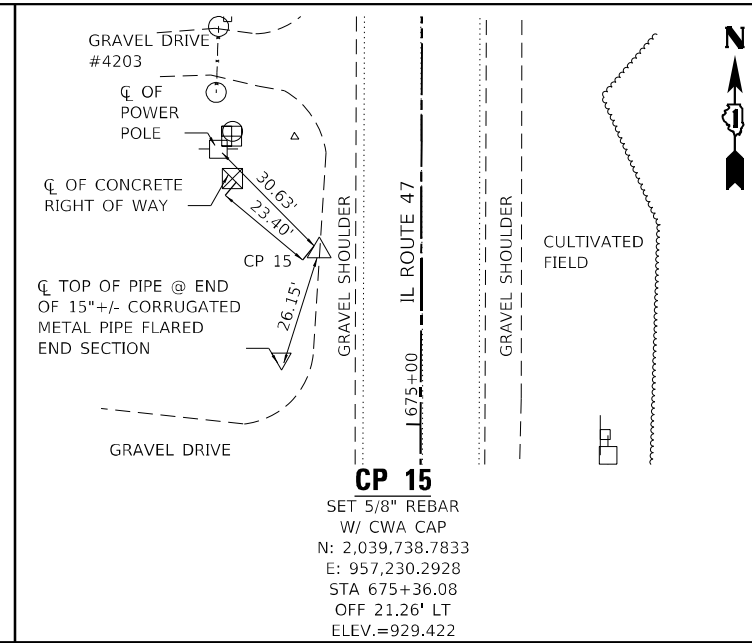
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	33
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				



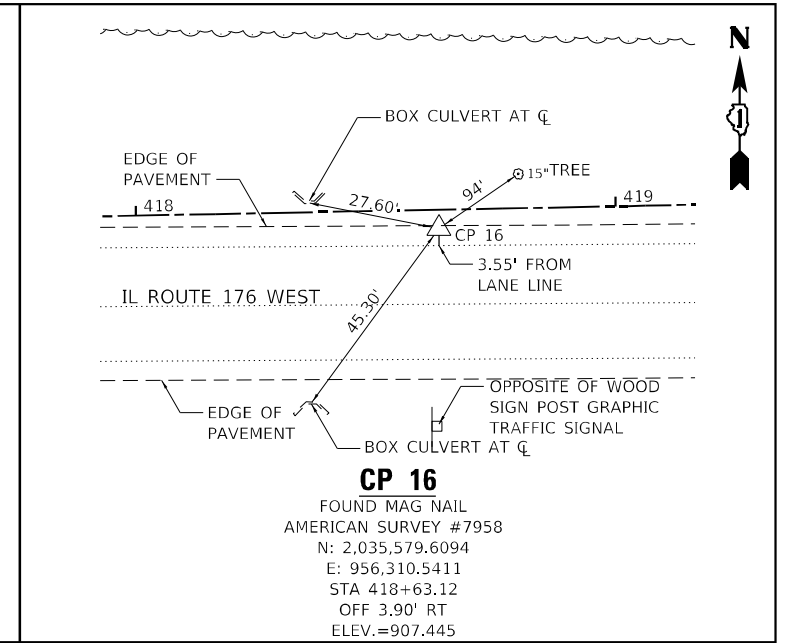
CP 13
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,037,960.6903
 E: 957,231.0423
 STA 657+58.08
 OFF 20.42' LT
 ELEV.=913.401



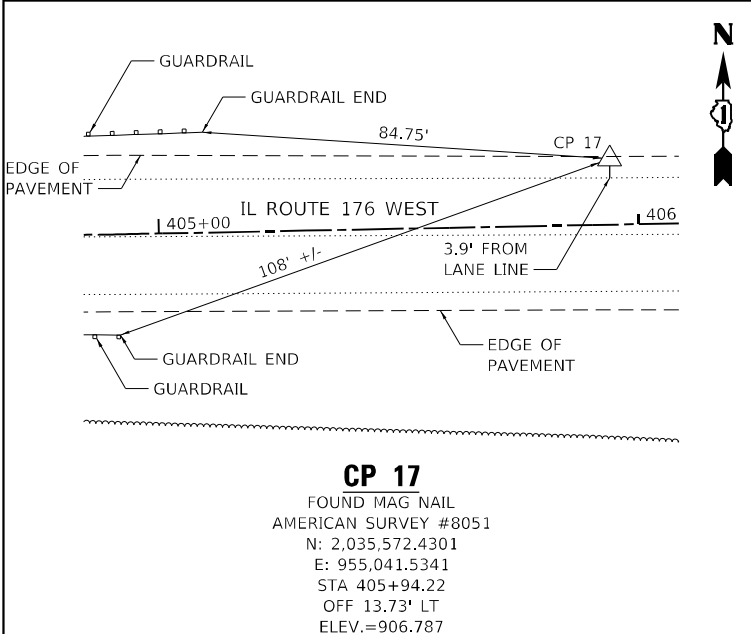
CP 14
 SET CUT CROSS IN
 BACK OF CURB ON TOP
 N: 2,039,047.4095
 E: 957,274.7508
 STA 668+44.71
 OFF 24.94' RT
 ELEV.=939.188



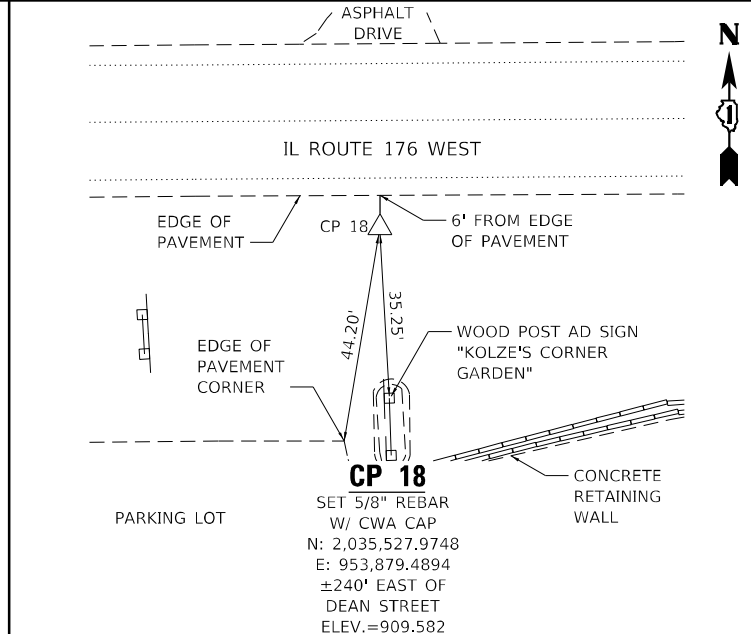
CP 15
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,039,738.7833
 E: 957,230.2928
 STA 675+36.08
 OFF 21.26' LT
 ELEV.=929.422



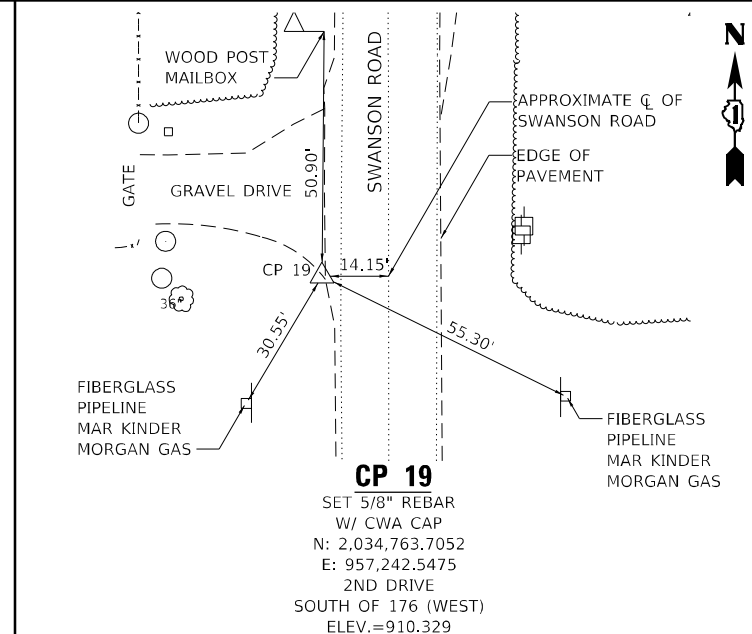
CP 16
 FOUND MAG NAIL
 AMERICAN SURVEY #7958
 N: 2,035,579.6094
 E: 956,310.5411
 STA 418+63.12
 OFF 3.90' RT
 ELEV.=907.445



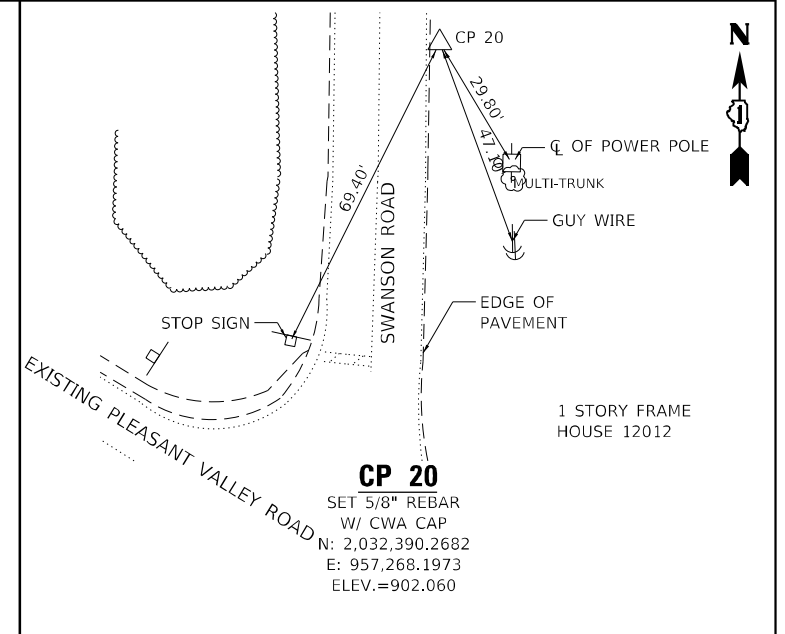
CP 17
 FOUND MAG NAIL
 AMERICAN SURVEY #8051
 N: 2,035,572.4301
 E: 955,041.5341
 STA 405+94.22
 OFF 13.73' LT
 ELEV.=906.787



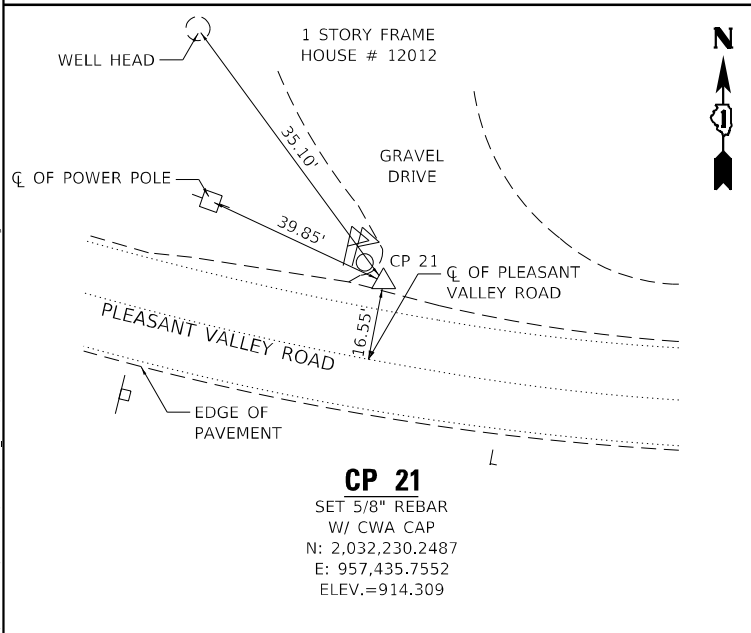
CP 18
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,035,527.9748
 E: 953,879.4894
 ±240' EAST OF
 DEAN STREET
 ELEV.=909.582



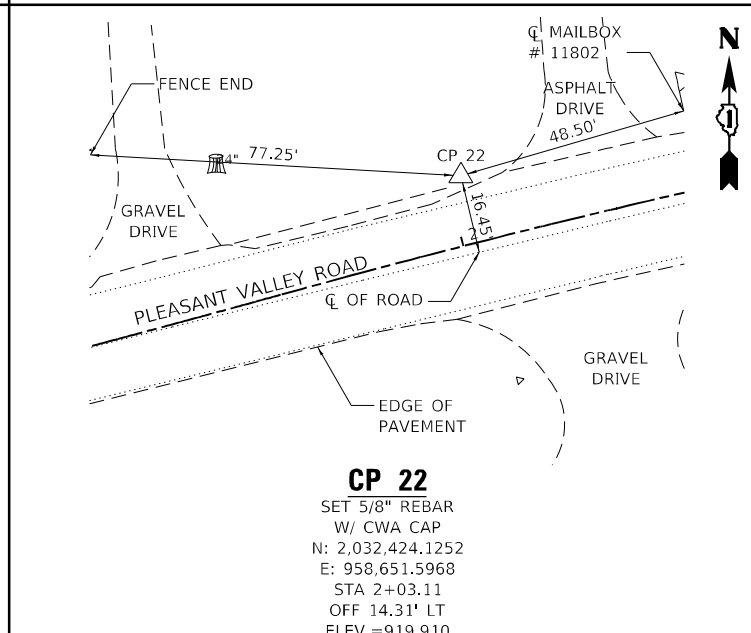
CP 19
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,034,763.7052
 E: 957,242.5475
 2ND DRIVE
 SOUTH OF 176 (WEST)
 ELEV.=910.329



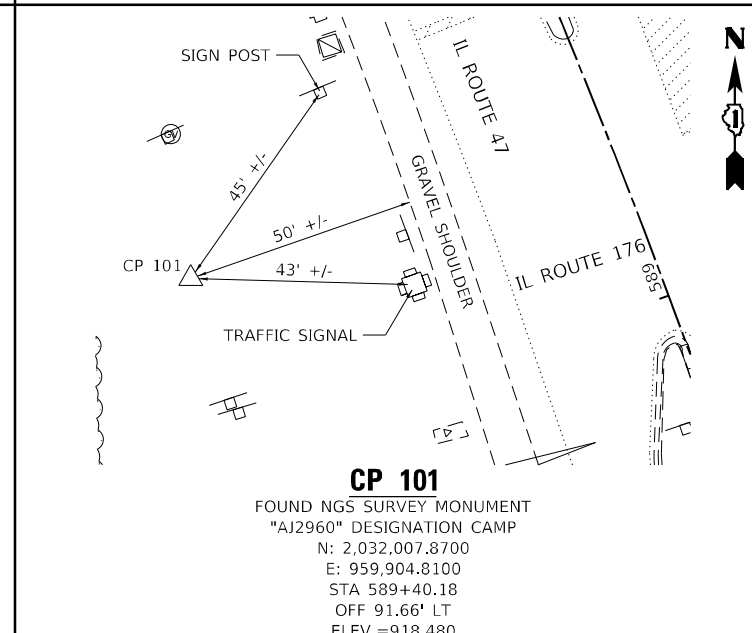
CP 20
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,032,390.2682
 E: 957,268.1973
 ELEV.=902.060



CP 21
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,032,230.2487
 E: 957,435.7552
 ELEV.=914.309



CP 22
 SET 5/8" REBAR
 W/ CWA CAP
 N: 2,032,424.1252
 E: 958,651.5968
 STA 2+03.11
 OFF 14.31' LT
 ELEV.=919.910



CP 101
 FOUND NGS SURVEY MONUMENT
 "AJ2960" DESIGNATION CAMP
 N: 2,032,007.8700
 E: 959,904.8100
 STA 589+40.18
 OFF 91.66' LT
 ELEV.=918.480

MODEL: D:\46411
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 SHEET: 17 OF 18



USER NAME = jackd	DESIGNED - MAG	REVISED -
PLOT SCALE = 40,0000 +/- in.	DRAWN - DJW	REVISED -
PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONTROL POINTS			
SCALE: NO SCALE	SHEET 17	OF 18 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 34
			CONTRACT NO. 62W14	
ILLINOIS FED. AID PROJECT				

BENCHMARKS:

NGS MONUMENT DL6752 (DM014)
 FOUND NGS DISC ON NORTHEASTERLY ABUTMENT OF RT-47 BRIDGE OVER KISHWAUKEE RIVER (FB582/PG18)
 ELEVATION 862.41

BENCHMARK 1
 FOUND RAIL ROAD SPIKE IN EASTERLY FACE OF POWER POLE WITH LIGHT ±.30' ABOVE GRADE IN THE
 SOUTHWEST QUADRANT OF THE INTERSECTION OF RT-47 AND BALLARD RD (FB582/PG18)
 ELEVATION 923.942

BENCHMARK 2
 SET CUT BOX ON CENTERLINE OF CONCRETE CULVERT ON THE EAST SIDE RT-47 APPROXIMATELY ±70'
 SOUTH OF CP-2 AND ±475' NORTH OF THE INTERSECTION OF RT-47 AND BALLARD RD (FB582/PG19)
 ELEVATION 919.660

BENCHMARK 3
 SET CUT CROSS IN TOP OF 30" RCP AT FLARED END SECTION 2.5' WEST OF THE END OF PIPE ON EAST SIDE
 OF RT-47 AT SOUTH END OF PARKING LOT EXTENDED OF CRYSTAL WOODS GOLF CLUB (FB582/PG19)
 ELEVATION 918.639

BENCHMARK 4
 SET CUT BOX ON THE WESTERLY SIDE OF THE CONCRETE BASE OF A STEEL LIGHT POLE APPROXIMATELY
 ±175' NORTH OF THE CENTERLINE OF THE ENTRANCE TO CRAIG WOODS GOLF CLUB ON THE EAST SIDE OF
 RT-47 (FB582/PG19)
 ELEVATION 918.862

BENCHMARK 5
 SET CUT CROSS IN NORTHEASTERLY CORNER OF TRAFFIC SIGNAL HANDHOLE IN THE NORTHEASTERLY
 QUADRANT OF THE SOUTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG19)
 ELEVATION 917.867

BENCHMARK 6
 SET CUT BOX IN WESTERLY SIDE OF CONCRETE BASE OF STEEL LIGHT POLE AT THE NORTHWEST QUADRANT
 OF THE INTERSECTION OF RT-47 AND PLEASANT VALLEY RD (FB582/PG20)
 ELEVATION 908.521

BENCHMARK 7
 SET CUT BOX IN THE NORTHWESTERLY CORNER OF CONCRETE DRAINAGE STRUCTURE WITH METAL GRATE
 ON EAST SIDE OF RT-47 APPROXIMATELY ±200 NORTH OF CP-8 AND ±0.30 MILES NORTH OF THE
 INTERSECTION OF RT47 AND PLEASANT VALLEY RD (FB582/PG20)
 ELEVATION 897.583

BENCHMARK 8
 SET CUT BOX ON WEST SIDE OF CONCRETE BASE FOR STEEL LIGHT POLE ON EAST SIDE OF RT-47 ±510'
 NORTH OF CP-9 LIGHT POLE IS 3RD POLE SOUTH OF THE NORTHERLY INTERSECTION OF RT-47 AND
 RT-176 (FB582/PG20)
 ELEVATION 900.871

BENCHMARK 9
 FOUND BOLT ON TOP SOUTHWESTERLY CORNER OF CONCRETE BOX CULVERT ON EAST SIDE OF RT-47 ±500'
 SOUTH OF THE NORTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG20)
 ELEVATION 901.775

BENCHMARK 10
 SET CUT BOX ON CONCRETE BASE OF NORTHEASTERLY LEG OF COM ED TRANSMISSION LINE TOWER IN THE
 SOUTHEASTERLY QUADRANT OF THE NORTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG20)
 ELEVATION 901.927

BENCHMARK 11
 SET CUT BOX ON EAST SIDE CONCRETE BASE OF 3RD STEEL LIGHT POLE NORTH OF THE INTERSECTION OF
 RT-47 AND RT-176 ON THE WEST SIDE OF RT-47 (FB582/PG21)
 ELEVATION 908.561

BENCHMARK 12
 SET NAIL AT CENTERLINE OF NORTHERLY END OF 15" CMP FLARED END SECTION AT NORTH SIDE OF
 DRIVEWAY ENTRANCE TO 4617 IL-47 (FB528/PG21)
 ELEVATION 912.366

BENCHMARK 13
 SET CUT BOX ON TOP AT CENTERLINE OF CONCRETE BOX CULVERT ON EAST SIDE OF RT-47 ±400' NORTH
 OF CP14 AND ±250 NORTH OF GRAVEL DRIVEWAY ENTRANCE TO 4400 IL-47 (FB582/PG22)
 ELEVATION 932.783

BENCHMARK 14
 SET CUT BOX ON TOP OF WESTERLY BOLT IN BASE OF 3RD STEEL POWER POLE SOUTH OF LUCAS RD ON
 EAST SIDE OF RT-46 ±560' SOUTH OF THE INTERSECTION OF RT-47 AND LUCAS RD (FB582/PG22)
 ELEVATION 927.940

NGS MONUMENT DL6754 (DM016)
 FOUND NGS MARKER 0.05 MILES EAST OF THE INTERSECTION OF RT-47 AND LUCAS RD ±16' NORTH OF THE
 EDGE OF PAVEMENT OF LUCAS RD (FB582/PG22)
 ELEVATION 932.392

BENCHMARK 15
 SET CUT BOX ON TOP AT CENTERLINE AT END OF 18" CMP WITH FLARED END SECTION ±100' EAST OF A
 CONCRETE AND STONE SIGN "CRYSTAL LAKE" AND ±35' WEST OF CENTERLINE OF AN ASPHALT DRIVEWAY
 ON SOUTH SIDE OF SOUTHERLY RT-176 APPROXIMATELY 0.30 MILES EAST OF RT-47 (FB582/PG23)
 ELEVATION 919.932

BENCHMARK 16
 SET CUT CROSS ON NORTHERLY END OF CONCRETE HEADWALL OF 15" RCP SIDE SOUTH OF SOUTHERLY RT-176
 AND EAST OF GRAVEL DRIVEWAY TO 11117 IL-176 APPROXIMATELY 0.40 MILES EAST OF RT-47 (FB582/PG23)
 ELEVATION 920.077

BENCHMARK 17
 SET CUT CROSS AT CENTERLINE OF CONCRETE BOX CULVERT AT SOUTH SIDE OF SOUTHERLY RT-176 ±40' EAST
 OF EASTERLY GRAVEL DRIVE TO "ST. AUBIN NURSERY" APPROXIMATELY 0.50 MILES EAST OF RT-47 (FB582/PG23)
 ELEVATION 916.235

BENCHMARK 18
 SET RAILROAD SPIKE 1' ABOVE GRADE IN NORTHERLY FACE OF 5TH POWER POLE WEST OF RT-47 ON THE SOUTH
 SIDE OF PLEASANT VALLEY RD (FB582/PG24)
 ELEVATION 920.087

BENCHMARK 19
 FOUND NAIL IN 2ND POLE WEST OF CP-22 ON SOUTH SIDE OF PLEASANT VALLEY ROAD ±300' EAST OF GRAVEL
 DRIVEWAY TO 11914 PLEASANT VALLEY ROAD (FB582/PG24)
 ELEVATION 917.419

BENCHMARK 20
 SET RAILROAD SPIKE 1' ABOVE GRADE IN NORTHERLY FACE OF POWER POLE IN THE SOUTHEASTERLY QUADRANT
 OF THE INTERSECTION OF PLEASANT VALLEY RD AND SWANSON RD (FB582/PG25)
 ELEVATION 906.659

BENCHMARK 21
 SET CUT BOX IN NORTHERLY FACE OF CONCRETE BASE OF ELECTRIC TOWER ON SOUTH SIDE OF RT-176
 APPROXIMATELY 0.40 MILES WEST OF RT-47 ±75' SOUTH OF ELECTRIC TRANSFER FACILITY (FB582/PG26)
 ELEVATION 903.194

BENCHMARK 22
 SET CUT BOX IN CENTER TOP OF WING WALL 7' NORTH OF RT-176 EDGE OF PAVEMENT ±400' EAST OF THE
 INTERSECTION OF RT-176 AND DEAN ST (FB582/PG26)
 ELEVATION 908.337

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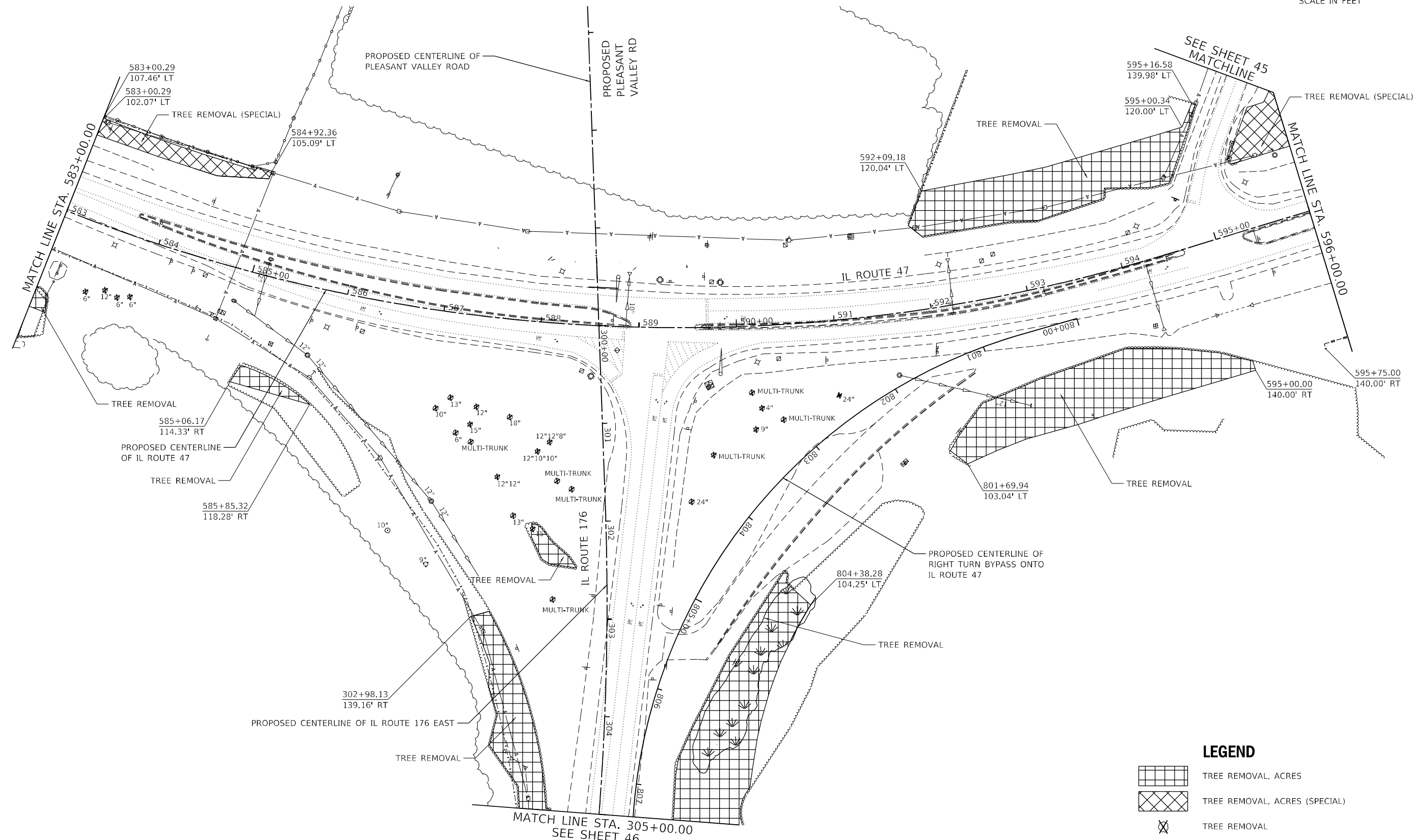
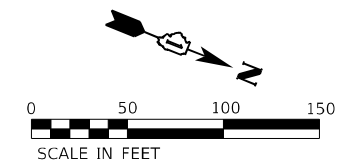


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	DRAWN - DJW	REVISED -
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BENCHMARKS			
SCALE: 1" = 50'	SHEET 18	OF 18 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 35
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 62W14				



LEGEND

	TREE REMOVAL, ACRES
	TREE REMOVAL, ACRES (SPECIAL)
	TREE REMOVAL
	TEMPORARY FENCE
	EXISTING WETLANDS

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 SHEET: 3 OF 8

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

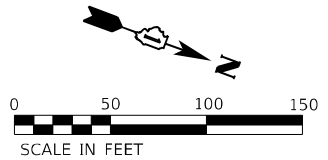
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PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**






**IL ROUTE 47
 REMOVAL PLAN**

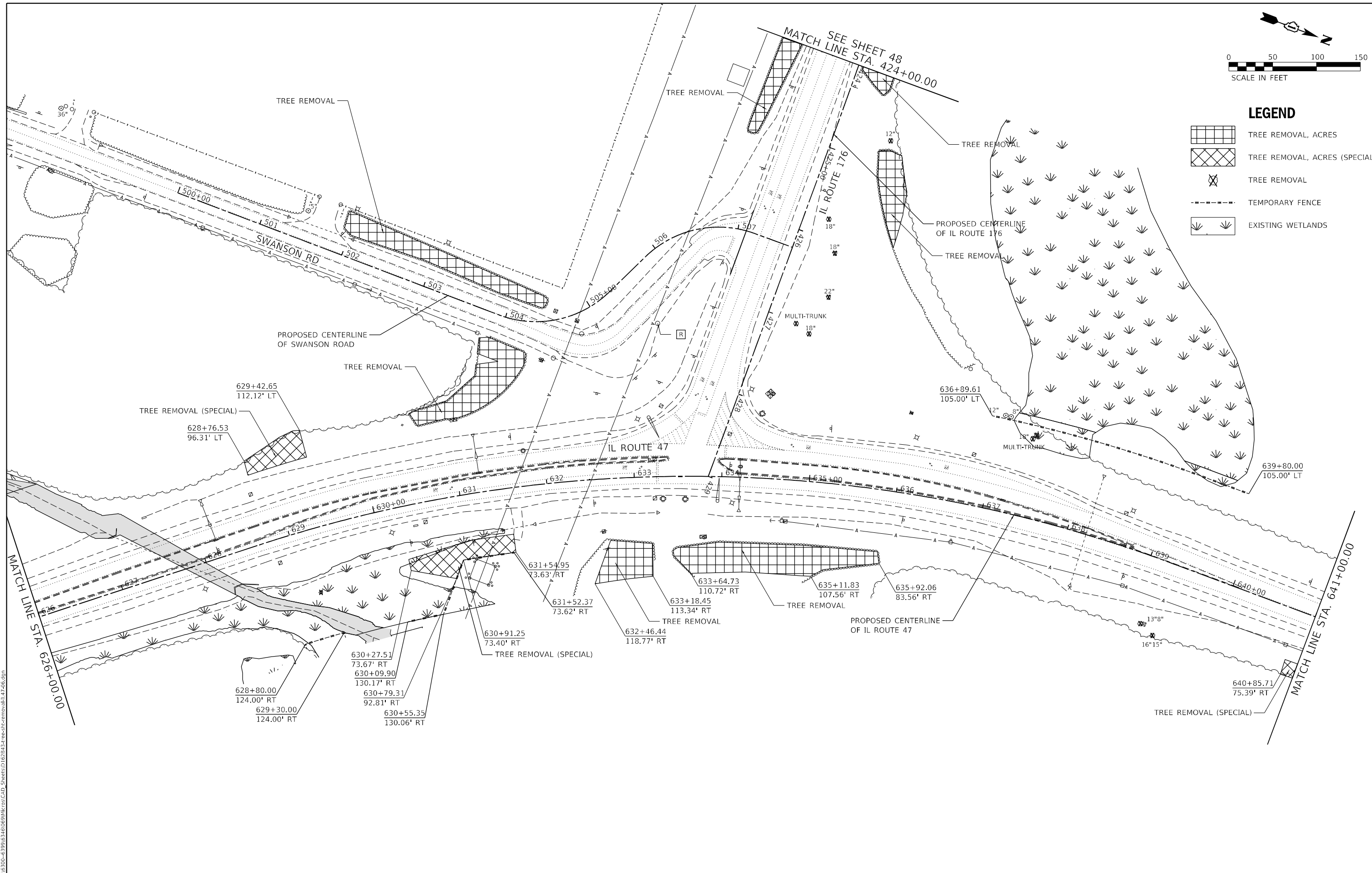
SCALE: 1" = 50' SHEET 3 OF 8 SHEETS STA. 583+00.00 TO STA. 596+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	38
CONTRACT NO. 62W14				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TREE REMOVAL, ACRES
-  TREE REMOVAL, ACRES (SPECIAL)
-  TREE REMOVAL
-  TEMPORARY FENCE
-  EXISTING WETLANDS



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 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

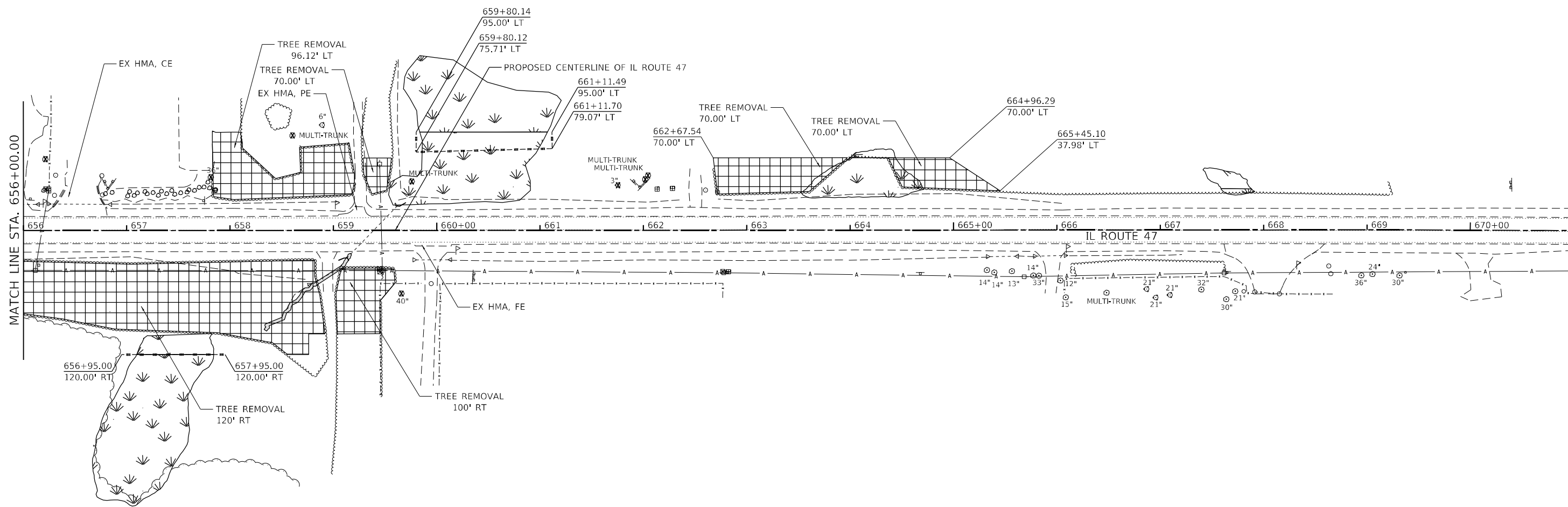
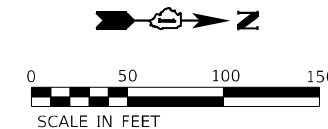
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISED -
CHECKED - SJG	REVISED -
DATE - 10/6/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 47	
REMOVAL PLAN	
SCALE: 1" = 50'	SHEET 6 OF 8 SHEETS
STA. 626+00.00	TO STA. 641+00.00

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 41
			CONTRACT NO. 62W14	
ILLINOIS FED. AID PROJECT				



LEGEND

	TREE REMOVAL, ACRES
	TREE REMOVAL, ACRES (SPECIAL)
	TREE REMOVAL
	TEMPORARY FENCE
	EXISTING WETLANDS

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 SHEET: 8 OF 8

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

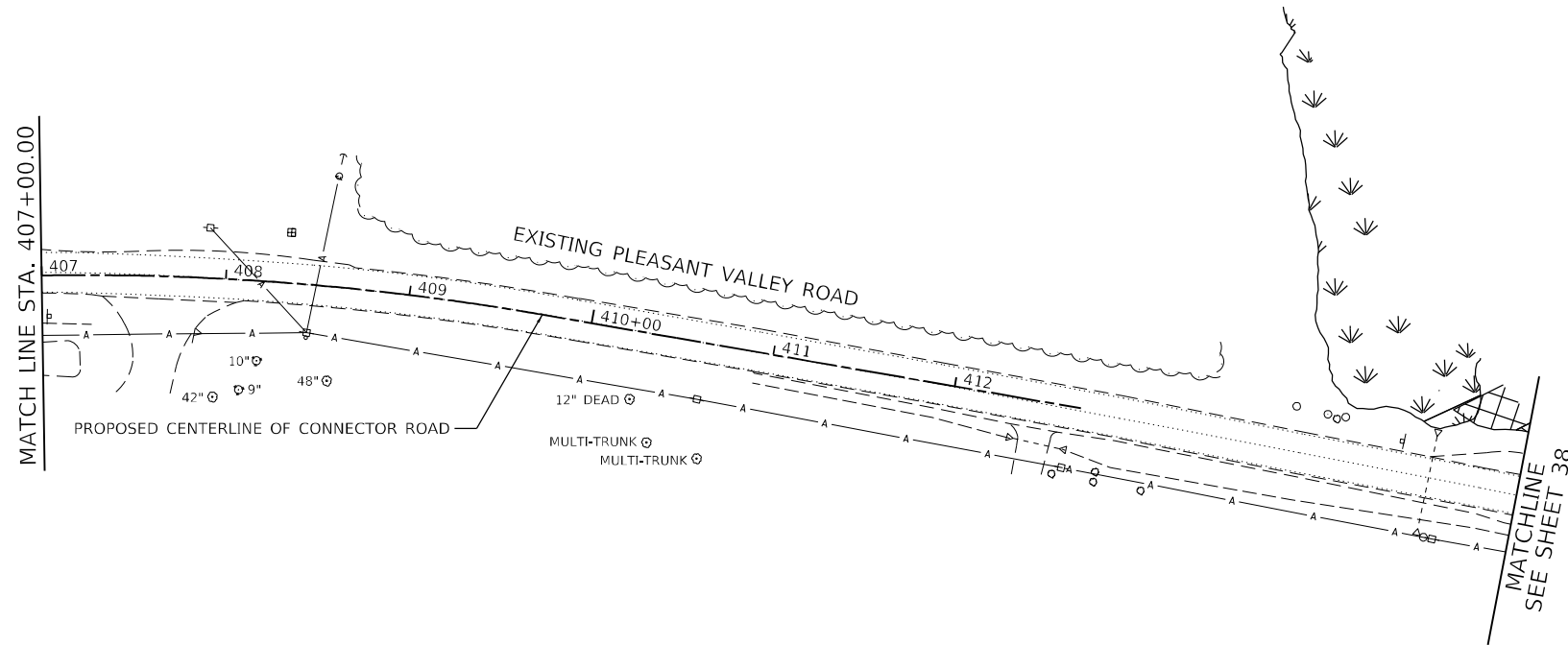
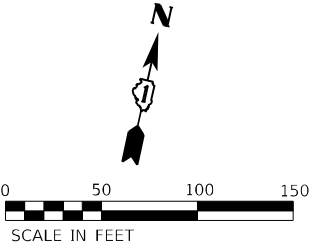
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	DRAWN - DJW	REVISED -
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PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




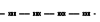
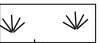
**IL ROUTE 47
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296348	FAP 0348 23 TR	MCHENRY	50	43
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



LEGEND

	TREE REMOVAL, ACRES
	TREE REMOVAL, ACRES (SPECIAL)
	TREE REMOVAL
	TEMPORARY FENCE
	EXISTING WETLANDS

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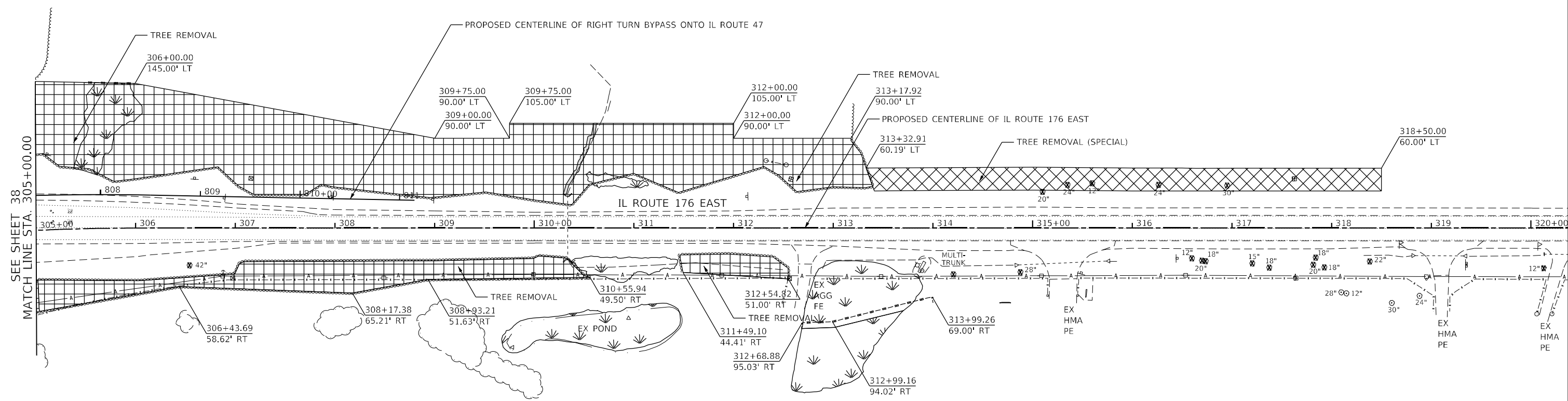
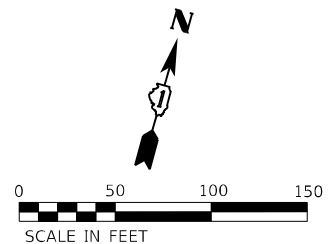


USER NAME = jackd	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLEASANT VALLEY ROAD REMOVAL PLAN			
SCALE: 1" = 50'	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	



SEE SHEET 38
MATCH LINE STA. 305+00.00

LEGEND

	TREE REMOVAL, ACRES
	TREE REMOVAL, ACRES (SPECIAL)
	TREE REMOVAL
	TEMPORARY FENCE
	EXISTING WETLANDS

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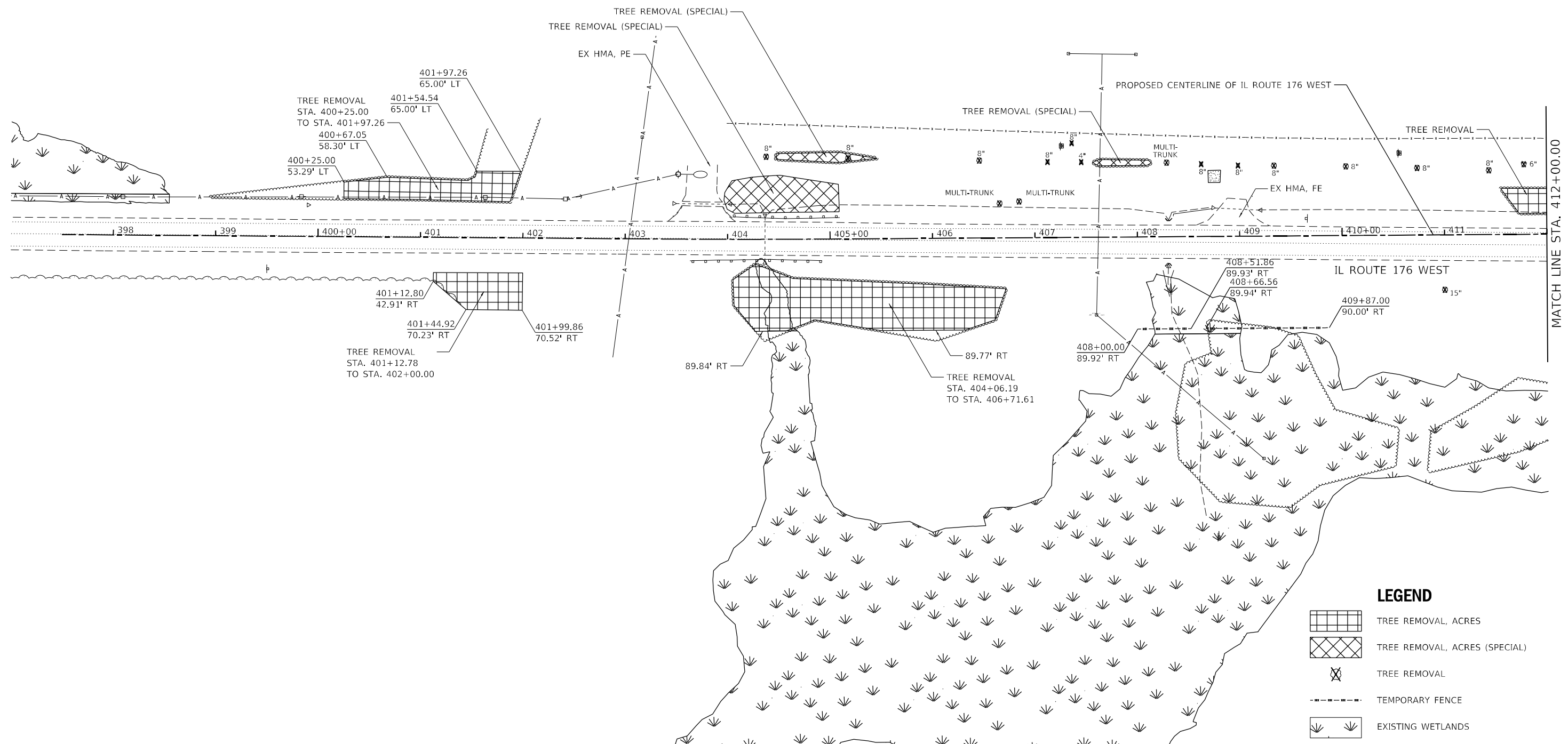
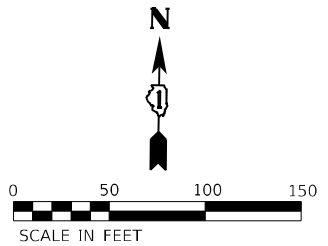
USER NAME = jackd	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 10/9/2023	CHECKED - SJG	REVISED -
	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






**IL ROUTE 176 (EAST)
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 305+00.00 TO STA. 320+00.00

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 46
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



LEGEND

-  TREE REMOVAL, ACRES
-  TREE REMOVAL, ACRES (SPECIAL)
-  TREE REMOVAL
-  TEMPORARY FENCE
-  EXISTING WETLANDS

MODEL: D:\p\h\1170 SOUTH HOUBOLT ROAD\1170W14.dgn
 FILE NAME: S:\01_16300-03399\1170W14.dgn
 SHEET: 1 OF 2



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

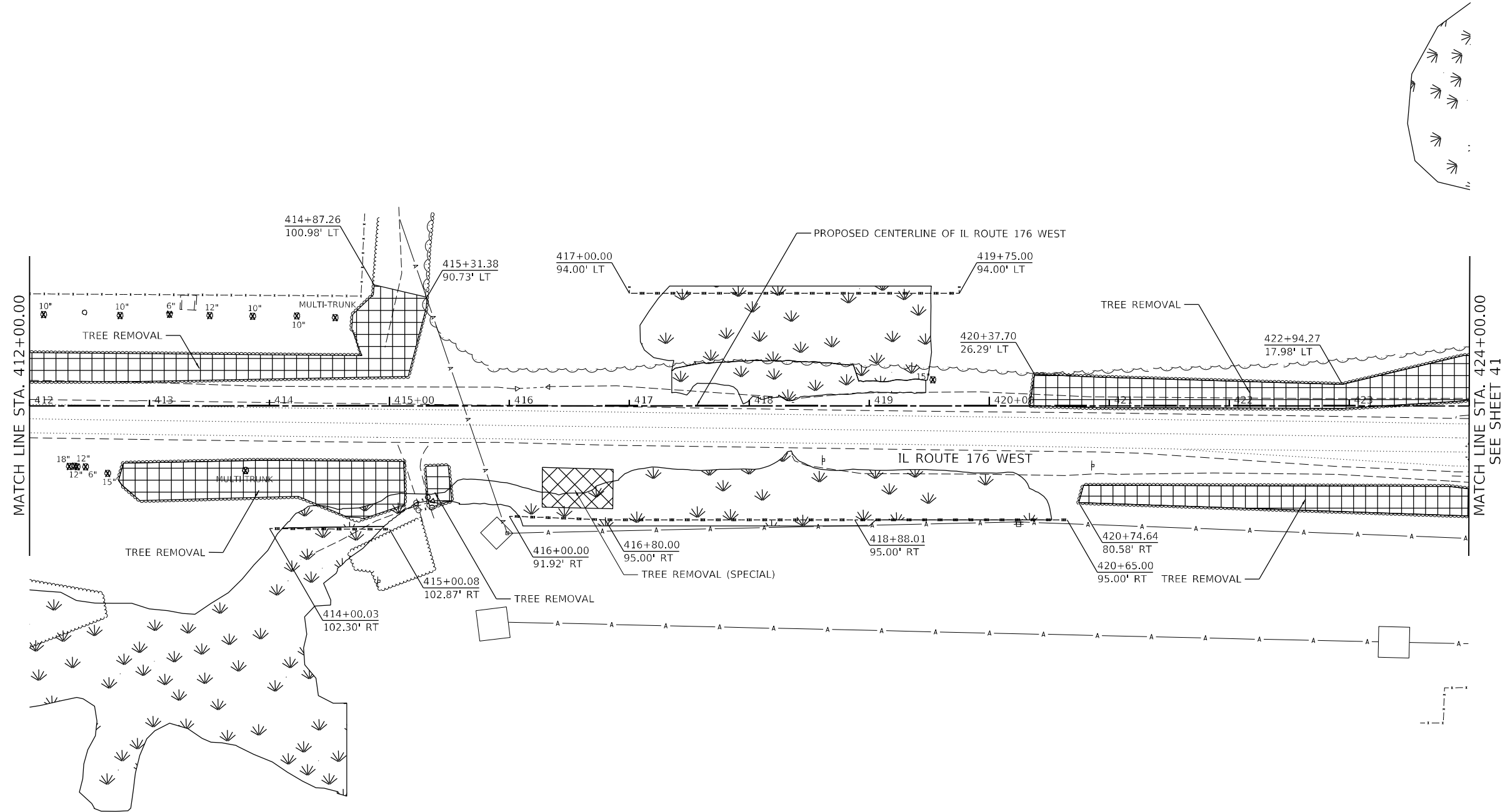
USER NAME = jackd	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




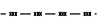
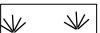
**IL ROUTE 176 (WEST)
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 400+00.00 TO STA. 412+00.00

F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 47
CONTRACT NO. 62W14			ILLINOIS FED. AID PROJECT	



LEGEND

	TREE REMOVAL, ACRES
	TREE REMOVAL, ACRES (SPECIAL)
	TREE REMOVAL
	TEMPORARY FENCE
	EXISTING WETLANDS

MODEL: D:\p\176\176.dwg
 FILE NAME: S:\01_15300-63399\176\176.dwg
 SHEETID: 162943-Tree-Removal-176W-02.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jackd	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 10/9/2023	DATE - 10/6/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

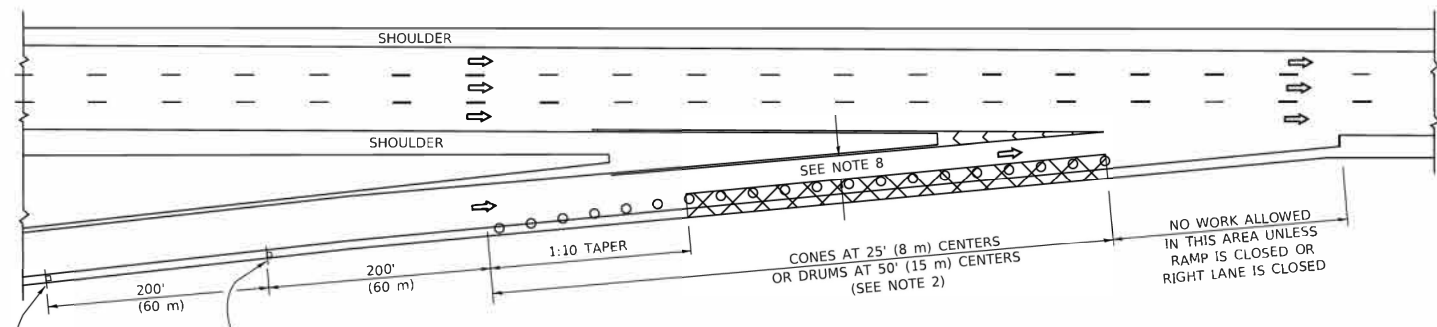
**IL ROUTE 176 (WEST)
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 412+00.00 TO STA. 424+00.00

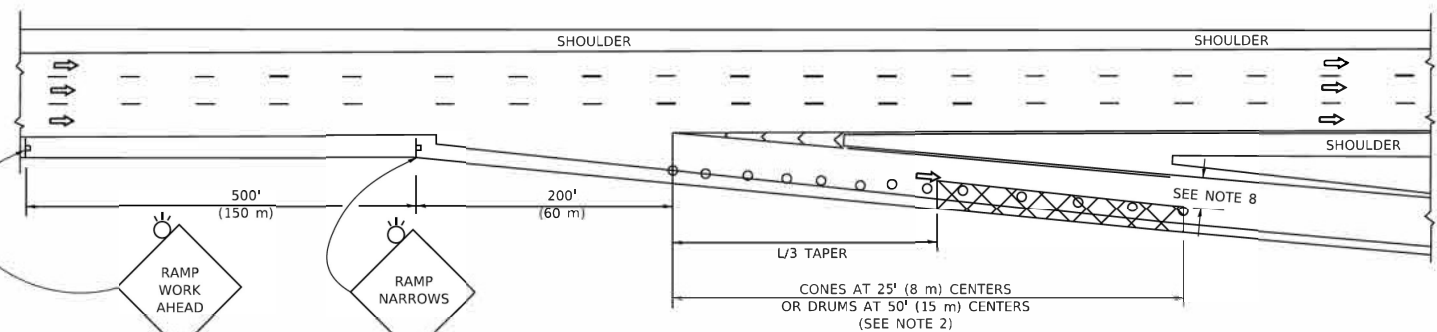
F.A.P. RTE. 296348	SECTION FAP 0348 23 TR	COUNTY MCHENRY	TOTAL SHEETS 50	SHEET NO. 48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W14	

PARTIAL RAMP CLOSURE DETAILS

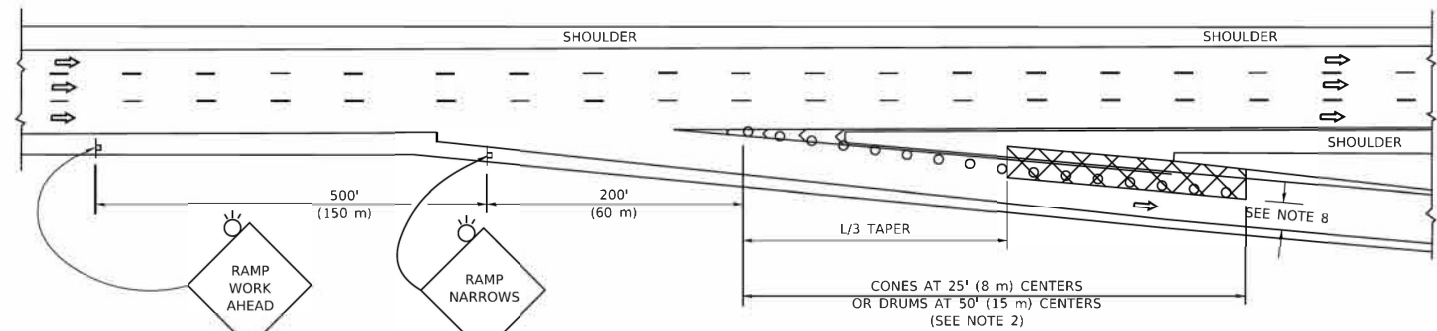
SHOULDER CLOSURE DETAILS



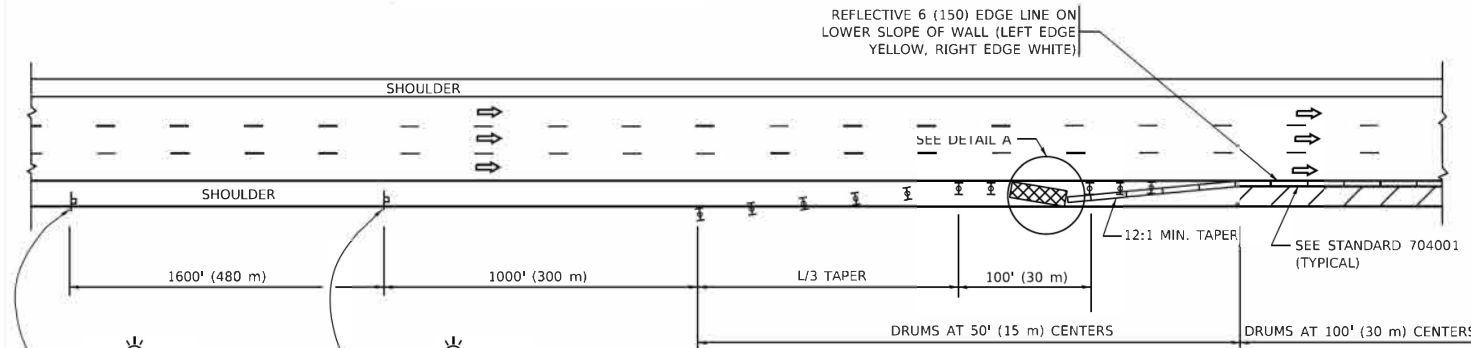
TYPICAL ENTRANCE RAMP



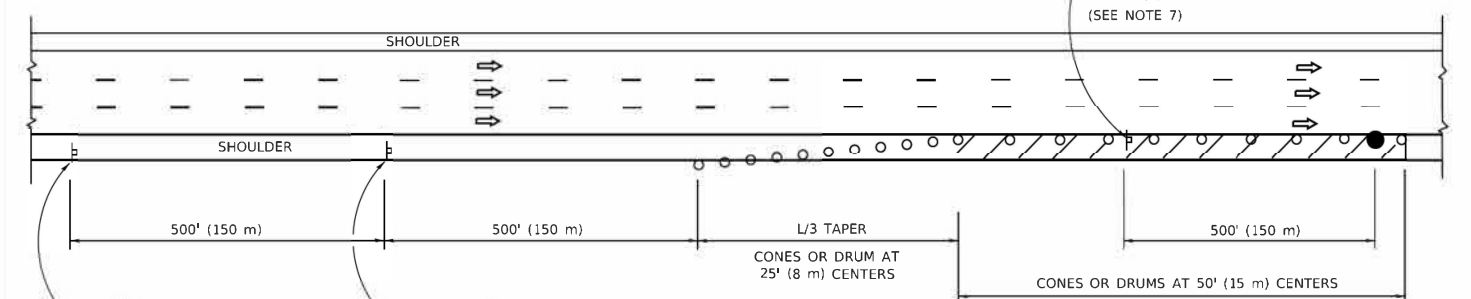
TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

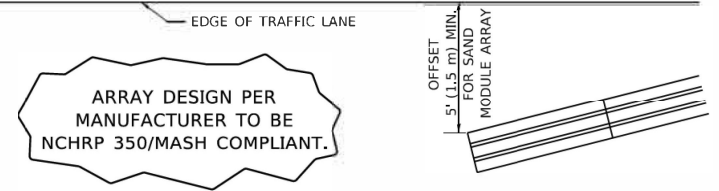


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L = 0.65(W)(S)$ $L = (W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

MODEL: D:\draft\...
 FILE: ...
 PROJECT: ...
 OFFICE: ...
 DATE: ...

USER NAME = footemj	DESIGNED =	REVISED = S.P.B. 01-07
PLOT SCALE = 50.0000 * / in.	DRAWN = D.W.S.	REVISED = S.P.B. 12-09
PLOT DATE = 3/4/2019	CHECKED =	REVISED = M.D. 06-13
	DATE = 11-96	REVISED = M.D. 01-18

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-17		50	50
ILLINOIS		CONTRACT NO. 62W14		
FED. AID PROJECT				