

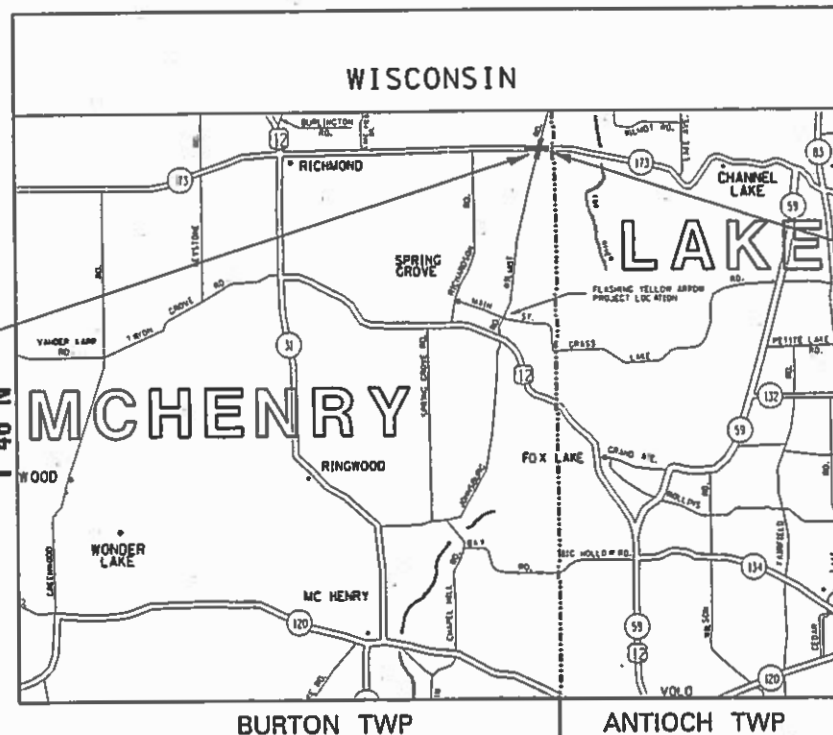
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 303 (IL 173)  
AT WILMOT ROAD  
SECTION: 134N-1  
PROJECT: NHPP-DC9E(666)  
**CHANNELIZATION AND TRAFFIC SIGNAL INSTALLATION  
McHENRY COUNTY**

C-91-301-12

R 9 E



IMPROVEMENT BEGINS  
IL ROUTE 173: STA. 487 + 00  
WILMOT RD.: STA. 195 + 30

IMPROVEMENT ENDS  
IL ROUTE 173: STA. 508 + 00.5  
WILMOT RD.: STA. 212 + 00

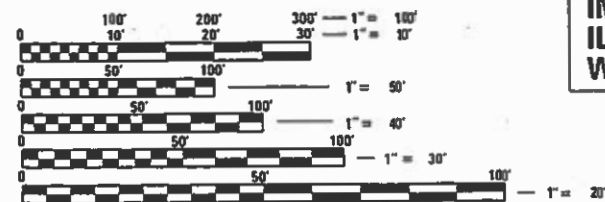


FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED  
IN THE VILLAGE OF FOX LAKE

TRAFFIC DATA

ROUTE SEGMENT	SPEED	ADT (YEAR)
IL 173 (OTHER ARTERIAL)		
WEST OF WILMOT ROAD	45 MPH	8,750 (2017)
EAST OF WILMOT ROAD	45 MPH	8,850 (2017)
WILMOT ROAD (MINOR ARTERIAL)		
SOUTH OF IL 173	55 MPH	7,650 (2017)
NORTH OF IL 173	55 MPH	6,400 (2017)



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

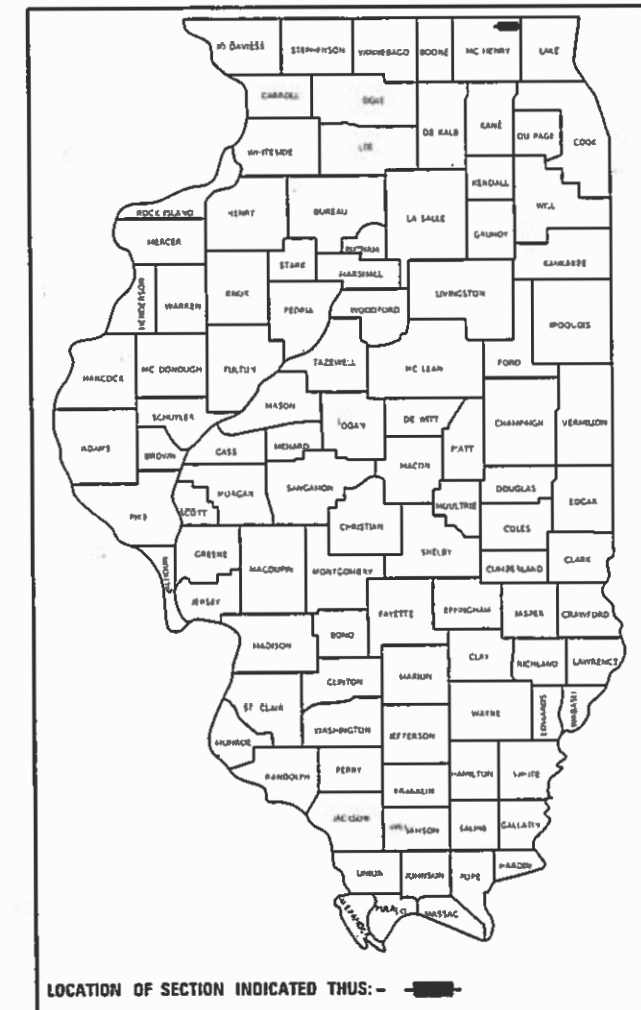
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

GROSS AND NET LENGTH OF PROJECT = 3770.5 FT. = 0.72 MILE

CONTRACT NO. 60T13

D-91-301-12



LOCATION OF SECTION INDICATED THIS: - [rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 14 20 18  
*Anthony J. D'Amico* / CBS REGIONAL ENGINEER  
Oct 5 20 18  
*Paul P. [Signature]* ENGINEER OF DESIGN AND ENVIRONMENT  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10-12	EXISTING AND PROPOSED TYPICAL SECTIONS
13	HMA MIXTURE REQUIREMENTS
14	SCHEDULE OF QUANTITIES
15-17	ALIGNMENT, TIES, AND BENCHMARKS
18-21	EXISTING AND PROPOSED ROADWAY PLAN AND PROFILE
22-35	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
36-37	EROSION AND SEDIMENT CONTROL PLAN
38-41	EXISTING AND PROPOSED DRAINAGE PLAN AND PROFILE
42-47	SUE PLAN
48-57	PLAT OF HIGHWAYS
58-59	PAVEMENT MARKING PLAN
60	RECESSED REFLECTIVE PAVEMENT MARKER DETAIL
61-62	LANDSCAPING PLAN
63-74	TRAFFIC SIGNAL PLAN
75-78	EXISTING AND PROPOSED SIGNING PLAN
79	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB AND EDGE OF SHOULDER >= 15' (4.5 m) (BD-01)
80	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
81	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
82	BENCHING DETAIL FOR EMBANKMENT WIDENING (BD-51)
83	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
84	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
85	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
86	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
87	ARTERIAL ROAD INFORMATION SIGN (TC-22)
88	DRIVEWAY ENTRANCE SIGNING (TC-26)
89-101	EXISTING AND PROPOSED CROSS SECTIONS

**HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604036-03	GRATE TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTNG DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH.WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- FINAL SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE IDOT SUBGRADE STABILITY MANUAL. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE INSTALLED WHERE ASI IS USED. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- TOP OF GRATE ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. PROPOSED STORM SEWER AND PIPE CULVERT LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF FOX LAKE, AND THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004	0021			
				80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
* X2700016	GROOVED THERMOPLASTIC PAVEMENT MARKING	SO FT	145.6	145.6				
	- LETTERS AND SYMBOLS							
* X2700017	GROOVED THERMOPLASTIC PAVEMENT MARKING	FOOT	8098	8098				
	- LINE 4"							
* X2700018	GROOVED THERMOPLASTIC PAVEMENT MARKING	FOOT	723	723				
	- LINE 6"							
* X2700019	GROOVED THERMOPLASTIC PAVEMENT MARKING	FOOT	316	316				
	- LINE 12"							
* X2700020	GROOVED THERMOPLASTIC PAVEMENT MARKING	FOOT	52	52				
	- LINE 24"							
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	397	397				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	292	292				
20101000	TEMPORARY FENCE	FOOT	40	40				
20101100	TREE TRUNK PROTECTION	EACH	5	5				
20200100	EARTH EXCAVATION	CU YD	3332	3332				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4110	4110				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004	0021			
				80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
20800150	TRENCH BACKFILL	CU YD	40	40				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	1651	1651				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4701	4701				
* 25000210	SEEDING, CLASS 2A	ACRE	2.3	2.3				
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	207	207				
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	207	207				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	207	207				
* 25100115	MULCH, METHOD 2	ACRE	2.3	2.3				
* 25100630	EROSION CONTROL BLANKET	SO YD	11128	11128				
* 25100900	TURF REINFORCEMENT MAT	SO YD	34	34				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	230	230				
28000305	TEMPORARY DITCH CHECKS	FOOT	1810	1810				
28000400	PERIMETER EROSION BARRIER	FOOT	6655	6655				
28000500	INLET AND PIPE PROTECTION	EACH	6	6				
28000510	INLET FILTERS	EACH	5	5				

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pn:\NLOB\EBID\INTEG\Illinois.gov\FWIDOT\Documents\VDOT	Offices\District\NProjects\PH6\09\CADData\Design\PH6\09	DR	RE					303	134N-1	MCHENRY	101	3
	PLOT SCALE = 100,000' / 1" =	CHECKED -	REVISED -					CONTRACT NO. 60T13				
	PLOT DATE = 8/15/2018	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FEDERAL 20% STATE	0021 80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
28100105	STONE RIPRAP, CLASS A3	SO YD	30	30				
28200200	FILTER FABRIC	SQ YD	30	30				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	551	551				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	9829	9829				
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	432	432				
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	1490	1490				
35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SO YD	1066	1066				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	207	207				
35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SO YD	1883	1883				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8935	8935				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13	13				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	479	479				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	72	72				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	24	24				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2	2				
				* SPECIALTY ITEMS				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FEDERAL 20% STATE	0021 80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1136	1136				
42001300	PROTECTIVE COAT	SO YD	210	210				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	128	128				
44000100	PAVEMENT REMOVAL	SO YD	3690	3690				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	8654	8654				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	713	713				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	304	304				
44004250	PAVED SHOULDER REMOVAL	SO YD	1744	1744				
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SO YD	20	20				
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SO YD	20	20				
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SO YD	26	26				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	66	66				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	66	66				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	67	67				

FILE NAME =	USER NAME = rarlqfm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\NLOB\EBID\INT\EG\Illinois.gov\FWIDOT\Documents\DOT	Offices\District\NProjects\PH6\09\CADD\Design\PH6\09	CHECKED -	REVISED -					303	134N-1	MCHENRY	101	4
	PLOT SCALE = 100,0000' / 1in.	DATE -	REVISED -					CONTRACT NO. 60713				
	PLOT DATE = 8/16/2018							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FEDERAL 20% STATE	0021 80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	5610	5610				
50105220	PIPE CULVERT REMOVAL	FOOT	43	43				
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	3	3				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				
54262715	METAL FLARED END SECTIONS 15"	EACH	1	1				
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	144	144				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	270	270				
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	219	219				
55100500	STORM SEWER REMOVAL 12"	FOOT	155	155				
55200900	STORM SEWERS JACKED IN PLACE, 24"	FOOT	72	72				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3				
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	18	18				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	650	650				
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	2	2				
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FEDERAL 20% STATE	0021 80% FEDERAL 10% STATE 10% COUNTY			
			URBAN					
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1				
60500050	REMOVING CATCH BASINS	EACH	2	2				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	119	119				
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	89	89				
63200310	GUARDRAIL REMOVAL	FOOT	304	304				
* 66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1	1				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1340	1340				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7291	7291				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	2428	2428				

FILE NAME =	USER NAME = tarlqfm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\N\LOB\EBID\INTEG\Illinois.gov\FWIDOT\Documents\DOCS\Offices\Dist\td\NProjects\146109\CADD\Design\146109\DWG\146109.dwg	PLT SCALE = 100,0000' / 1in.	CHECKED -	REVISED -			303	134N-1	MCHENRY	101	5	
PLT DATE = 8/15/2018	DATE -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO	STA.
						FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0004			0021			CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY					
			URBAN							
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	291.2	291.2						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16778	16778						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1271	1271						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1002	1002						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	104	104						
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1823	1823						
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	33426	33426						
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	165	165						
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	150	150						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1537.5	1537.5						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3200	3200						
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8						
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	10	10						
* 72000100	SIGN PANEL - TYPE 1	SO FT	59	45	14					
* 72000200	SIGN PANEL - TYPE 2	SO FT	112	84	28					
* SPECIALTY ITEMS										

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	0004			0021			CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT			80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY					
				URBAN							
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	15	15							
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	13	13							
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9							
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4							
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	28.5	28.5							
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	223.5	223.5							
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	145.6	145.6							
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8680	8680							
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	548	548							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	686	686							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	52	52							
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	97	97							
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	128	128							

FILE NAME = *p:\N1084EBIDINTEG\Illinois.gov\FWIDOT\Documents\DOT* USER NAME = *rar1qfm* DESIGNED - *BRW* REVISIONS - *None*  
 OFFICES\District\NProjects\N146109\CAADData\Design\N146109\DRAWING - *None* REVISIONS - *None*  
 PLOT SCALE = 100,0000 "/>

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IL ROUTE 173 AT WILMOT ROAD**

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

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 303 134N-1 MCHENRY 101 6  
 CONTRACT NO. 60T13  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES				0004 0021 CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				0004 0021 CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY				CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% COUNTY					
			URBAN										URBAN						
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	59	59					* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	298		298					
	REMOVAL																		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	846		846				* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	766		766					
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	116		116				* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4					
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	310		310				* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1		1					
* 81400100	HANDHOLE	EACH	3		3				* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1		1					
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4				* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1					
* 81400300	DOUBLE HANDHOLE	EACH	1		1				* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1					
* 85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1		1				* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20					
* 87200400	SPAN WIRE	FOOT	106		106				* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4					
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	724		724				* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	51		51					
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1400		1400				* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4					
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1163		1163				* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4					
								* SPECIALTY ITEMS											

FILE NAME =	USER NAME = rarlqfm	DESIGNED -	REVISED -
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	PLOT DATE = 8/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES IL. ROUTE 173 AT WILMOT ROAD</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	7
CONTRACT NO. 60T13				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FEDERAL 20% STATE	0021 80% FEDERAL 10% STATE 10% COUNTY			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	4				
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8	8				
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	5	5				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	275	275				
* 89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1	1				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1				
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7				
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7				
* X0326133	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	1	1				
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	2564	2564				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES				TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	0004 80% FEDERAL 20% STATE		0021 80% FEDERAL 10% STATE 10% COUNTY				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	543	543					
* X1400029	REMOVE SPAN WIRE	FOOT	194	194					
* X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1	1					
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1					
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2	2					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4					
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SO FT	480	480					
X6061311	CONCRETE MEDIAN SURFACE, 5 INCH	SO FT	350	350					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	12	12					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	112	112					
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	19862	19862					
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	483	483					
* X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	94	94					

FILE NAME =	USER NAME = torlfm	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

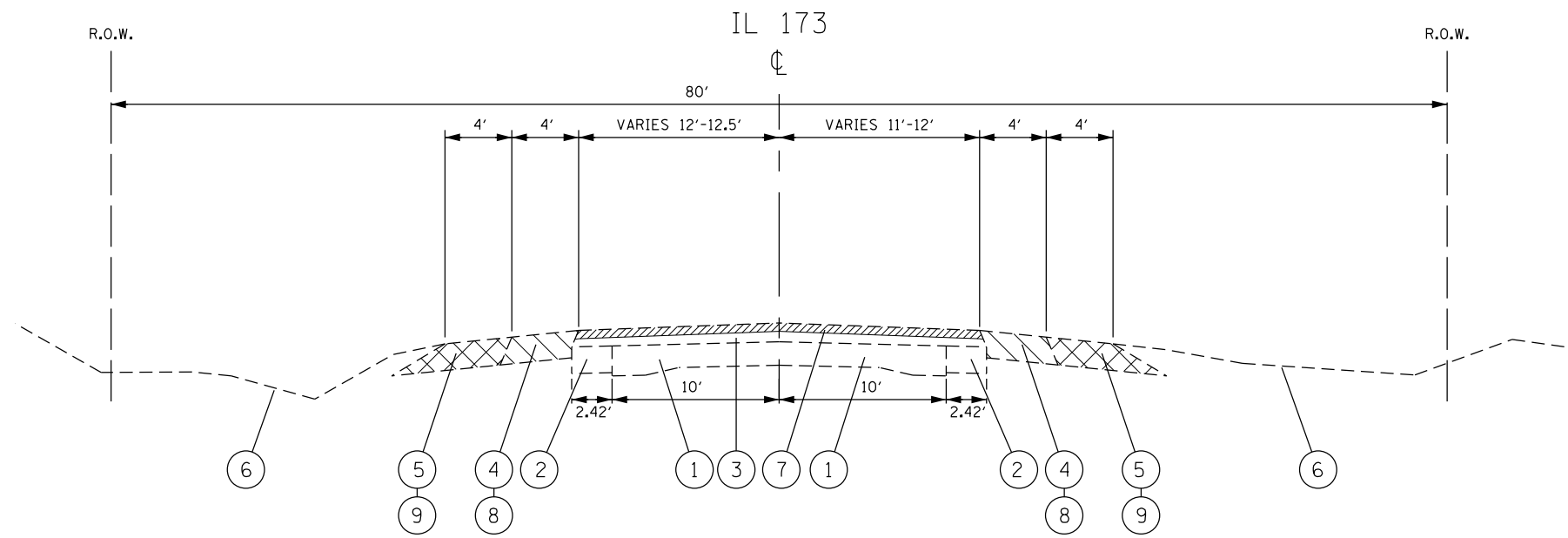
**SUMMARY OF QUANTITIES  
IL. ROUTE 173 AT WILMOT ROAD**

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

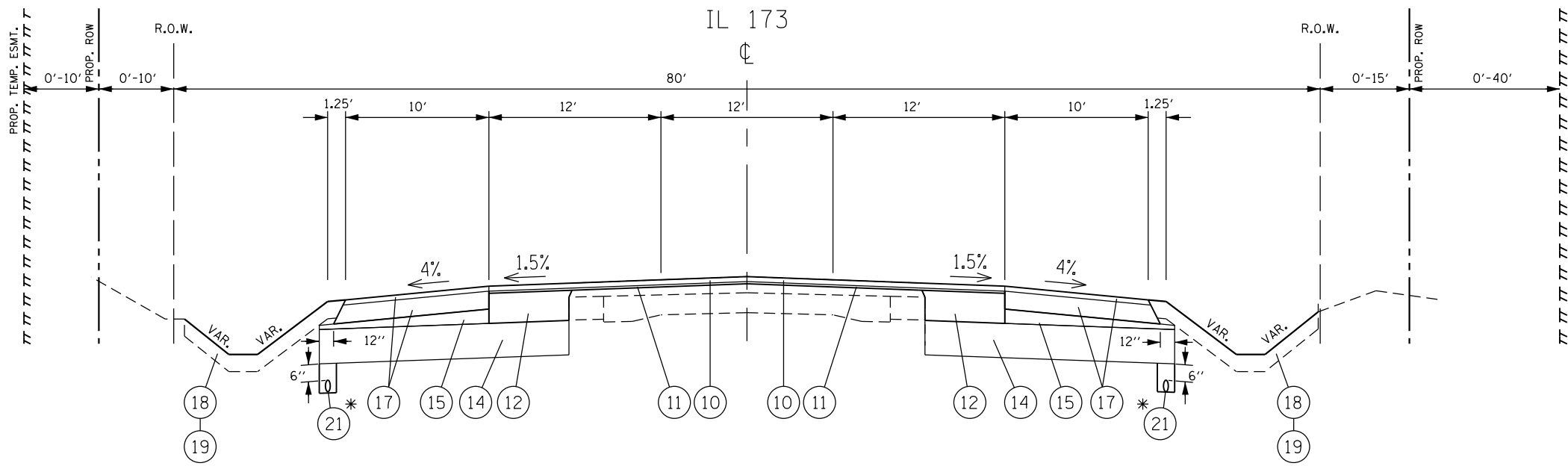
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHEMRY	101	8
CONTRACT NO. 60T13				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				







EXISTING TYPICAL ROADWAY SECTION  
STA. 491+99.5 TO STA. 508+00.5



PROPOSED TYPICAL ROADWAY SECTION  
STA. 491+99.5 TO STA. 508+00.5

**LEGEND:**

- ① EXISTING PCC PAVEMENT, 7"-9"±
- ② EXISTING BASE COURSE WIDENING, 8"±
- ③ EXISTING HMA PAVEMENT  
- 5"-8"± (IL 173)  
- 12"-14" (WILMOT RD SOUTH)  
- 9.5" (WILMOT RD NORTH)
- ④ EXISTING HMA SHOULDER, 6"- 8"±
- ⑤ EXISTING AGGREGATE SHOULDER, 8"
- ⑥ EXISTING TOPSOIL AND GRASS
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED AGGREGATE SHOULDER REMOVAL (PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL")
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10½"
- ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7"
- ⑭ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1¾"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (INCLUDES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1¾" AND HOT-MIX ASPHALT BASE COURSE, 6¼")
- ⑱ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (PLACED AT A DEPTH OF 6")
- ⑲ PROPOSED SEEDING, CLASS 2A
- ⑳ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" UNDERCUT) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
- ㉒ PROPOSED PAVEMENT REMOVAL

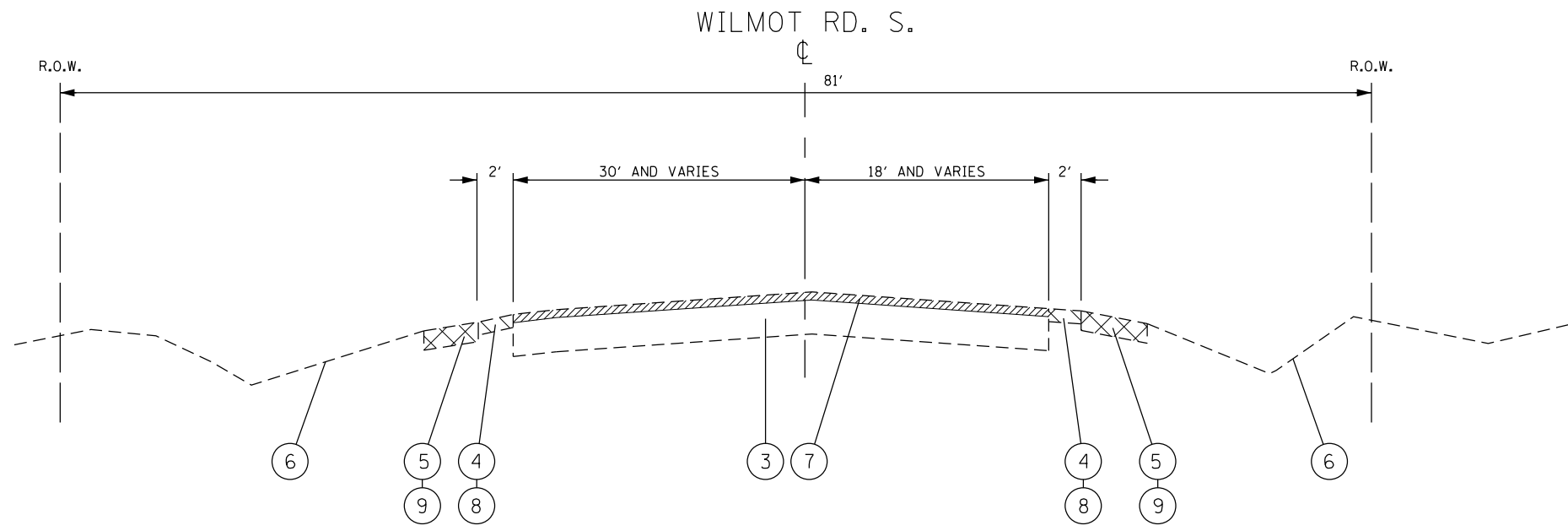
**NOTES:**

THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING.

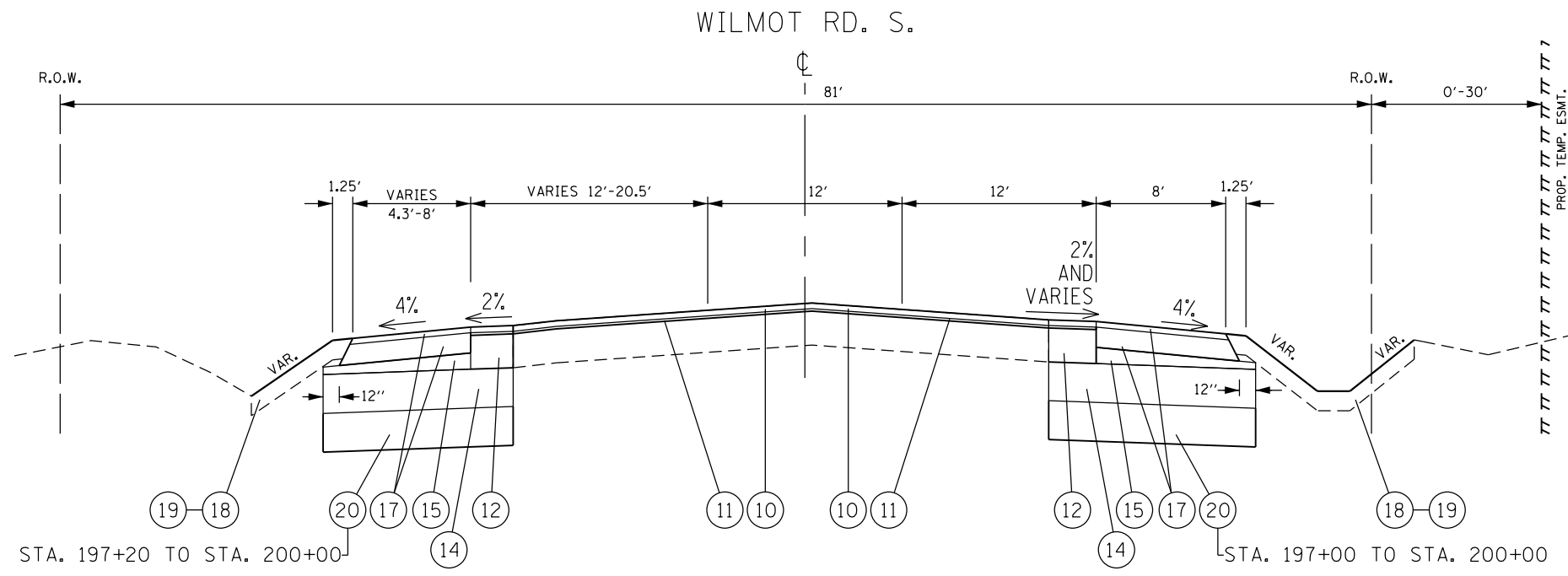
\* STATION 503+00 TO STATION 507+00 (RT. SIDE)  
STATION 504+50 TO STATION 507+00 (LT. SIDE)

PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST VERSION, AND STANDARD 601001 - PIPE UNDERDRAINS. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" MIN. BELOW THE SUBGRADE OR UNDERCUT. CONNECTIONS OF THE PIPE UNDERDRAINS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

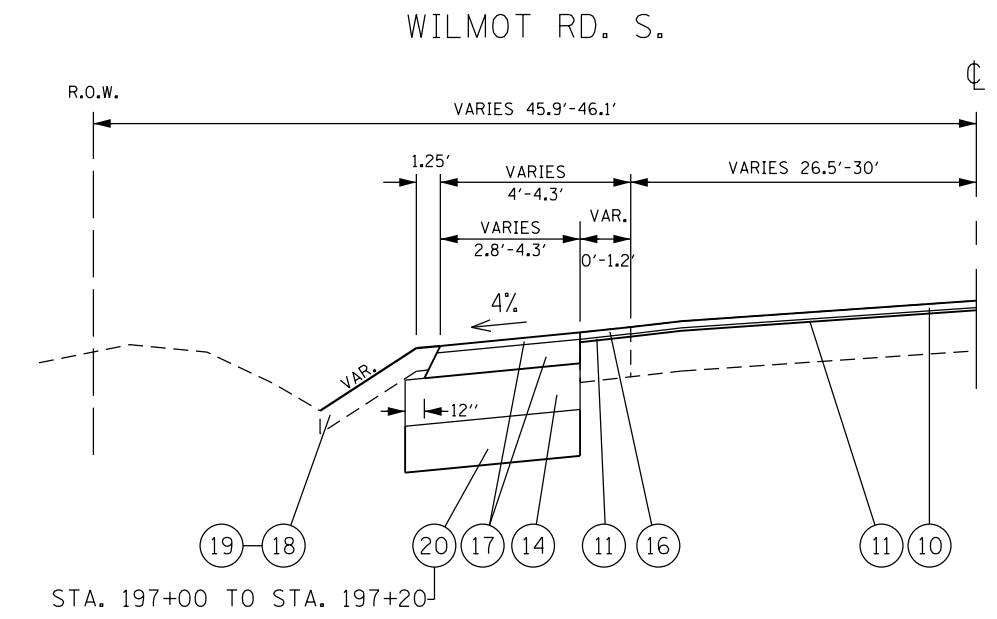
FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTIONS IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					303	134N-1	McHENRY	101	10
	PLOT DATE = 10/1/2018	DATE -	REVISED -		CONTRACT NO. 60T13							
					ILLINOIS FED. AID PROJECT							



EXISTING TYPICAL ROADWAY SECTION  
STA. 195+48.07 TO STA. 200+00



PROPOSED TYPICAL ROADWAY SECTION  
STA. 195+48.07 TO STA. 200+00 (RT)  
STA. 197+20 TO STA. 200+00 (LT)



PROPOSED TYPICAL ROADWAY SECTION  
STA. 195+48.07 TO STA. 197+20 (LT)

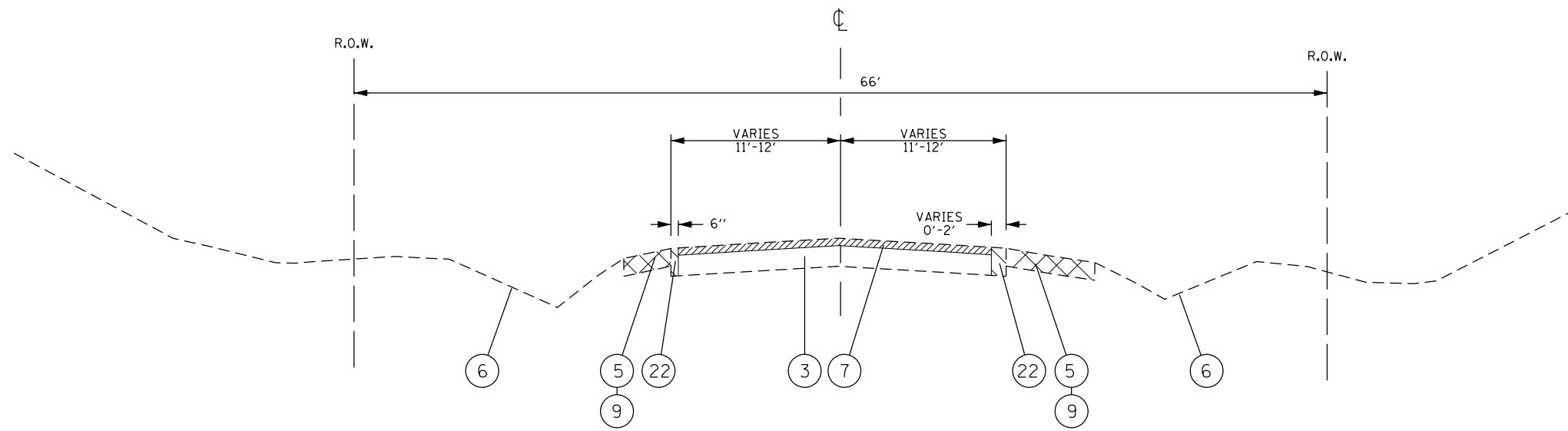
**LEGEND:**

- |   |   |  |   |
|---|---|--|---|
| ① EXISTING PCC PAVEMENT, 7"-9"±   | ⑥ EXISTING TOPSOIL AND GRASS  | ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10½"  | ⑱ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (PLACED AT A DEPTH OF 6")                                     |
| ② EXISTING BASE COURSE WIDENING, 8"±  | ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"   | ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7"   | ⑲ PROPOSED SEEDING, CLASS 2A  |
| ③ EXISTING HMA PAVEMENT<br>- 5"-8"± (IL 173)<br>- 12"-14" (WILMOT RD SOUTH)<br>- 9.5" (WILMOT RD NORTH) | ⑧ PROPOSED PAVED SHOULDER REMOVAL   | ⑭ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"   | ⑳ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" UNDERCUT) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |
| ④ EXISTING HMA SHOULDER, 6"- 8"±  | ⑨ PROPOSED AGGREGATE SHOULDER REMOVAL (PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL") | ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B   | ㉑ PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"   |
| ⑤ EXISTING AGGREGATE SHOULDER, 8"   | ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"                          | ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1¾"   | ㉒ PROPOSED PAVEMENT REMOVAL   |
|   | ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"                         | ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (INCLUDES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1¾" AND HOT-MIX ASPHALT BASE COURSE, 6¼") |   |

**NOTES:** THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING.

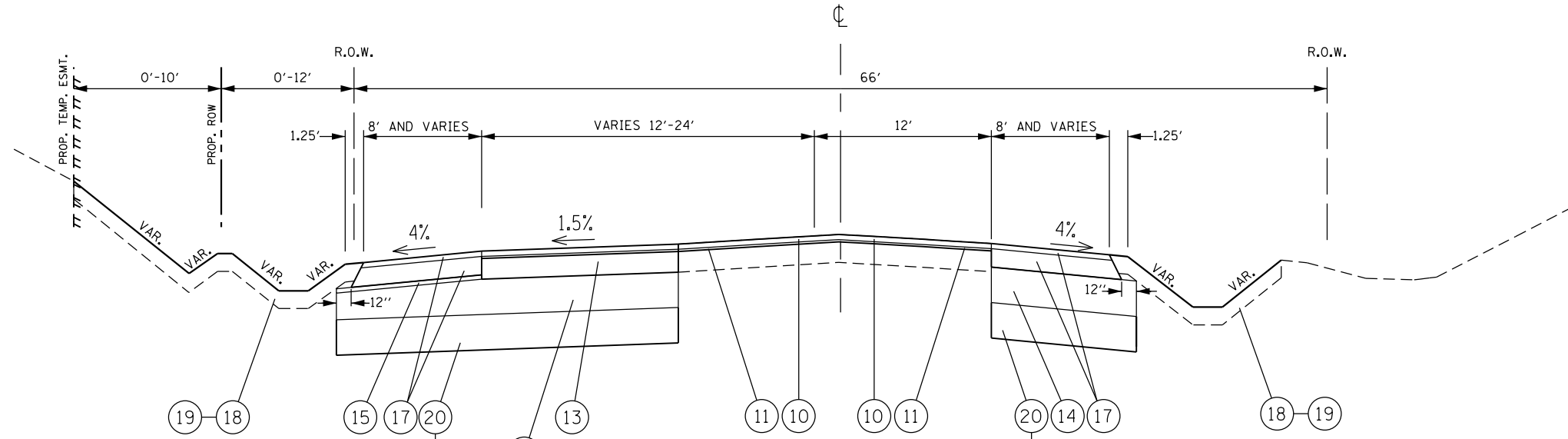
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Default	PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -		CONTRACT NO. 60T13							
	PLOT DATE = 10/1/2018				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

WILMOT RD. N.



EXISTING TYPICAL ROADWAY SECTION  
STA. 200+00.00 TO 209+43.83

WILMOT RD. N.



STA. 200+00 TO STA. 202+00  
PROPOSED TYPICAL ROADWAY SECTION  
STA. 200+00.00 TO 209+43.83

LEGEND:

- ① EXISTING PCC PAVEMENT, 7"-9"±
- ② EXISTING BASE COURSE WIDENING, 8"±
- ③ EXISTING HMA PAVEMENT  
- 5"-8"± (IL 173)  
- 12"-14" (WILMOT RD SOUTH)  
- 9.5" (WILMOT RD NORTH)
- ④ EXISTING HMA SHOULDER, 6"- 8"±
- ⑤ EXISTING AGGREGATE SHOULDER, 8"
- ⑥ EXISTING TOPSOIL AND GRASS
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED AGGREGATE SHOULDER REMOVAL (PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL")
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"
- ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7"
- ⑭ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (INCLUDES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4" AND HOT-MIX ASPHALT BASE COURSE, 6 1/4")
- ⑱ PROPOSED TOPSOIL EXCAVATION AND PLACEMENT (PLACED AT A DEPTH OF 6")
- ⑲ PROPOSED SEEDING, CLASS 2A
- ⑳ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" UNDERCUT) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
- ㉒ PROPOSED PAVEMENT REMOVAL

NOTES:

THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTIONS IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P146109\Design\PI46109-sh-typical.dgn		CHECKED -	REVISED -			303	134N-1	McHENRY	101	12	
Default		DATE -	REVISED -			CONTRACT NO. 60T13					
	PLOT SCALE = 100.0000' / 1".					SCALE:	SHEET	OF	SHEETS	STA.	TO

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT WIDENING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL 9.5 mm); 1 3/4"	4% @ 70 GYR.	OC/OA
	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	OC/OA
	IL 173 AND WILMOT ROAD SOUTH: HMA BASE COURSE WIDENING (HMA BINDER IL-19 mm), 10 1/2"	4% @ 90 GYR.	OC/OA
	WILMOT ROAD NORTH: HMA BASE COURSE (HMA BINDER IL-19 mm), 7"	4% @ 90 GYR.	OC/OA
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL 9.5 mm); 1 3/4"	4% @ 70 GYR.	OC/OA
	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	OC/OA
SHOULDER RECONSTRUCTION (HMA SHOULDERS, 8")	HMA SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 1 3/4"	4% @ 70 GYR.	OC/OA
	HMA BASE COURSE, (HMA BINDER IL-19 mm); 6 1/4"	4% @ 70 GYR.	OC/OA
SHOULDER RESURFACING	HMA SURFACE COURSE, MIX "D", N70, (IL 9.5 mm); 1 3/4"	4% @ 70 GYR.	OC/OA
	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	OC/OA
TEMPORARY PAVEMENT	HMA BINDER COURSE, IL-19.0, N70; 10"	4% @ 70 GYR.	OC/OA
TEMPORARY PAVEMENT (VARIABLE DEPTH)	HMA SURFACE COURSE, MIX "D", N70, (IL-9.5 mm); VARIABLE DEPTH	4% @ 70 GYR.	OC/OA
PATCHING	IL 173 AND WILMOT ROAD SOUTH: CLASS D PATCHES (HMA BINDER IL-19 mm), 12"	4% @ 70 GYR.	OC/OA
	WILMOT ROAD NORTH: CLASS D PATCHES (HMA BINDER IL-19 mm), 7"	4% @ 70 GYR.	OC/OA
DRIVEWAYS	HMA SURFACE COURSE, MIX "D", N50, (IL-9.5 mm); 2"	4% @ 50 GYR.	OC/OA
	HMA BASE COURSE, (HMA BINDER IL-19 mm); CE - 8"	4% @ 50 GYR.	OC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA)

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

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

NOTE 3: PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

FILE NAME =	USER NAME = teriafm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HMA MIXTURE REQUIREMENTS IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P146109\Drawings\Design\P146109-sh-t-schedule.dgn		REVISION	REVISED -		303	134N-1	MCHEMRY	101	13			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60T13							
	PLOT DATE = 8/16/2018	DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

EARTHWORK SCHEDULE								
1	2	3	4	5	6	7	8	9
IL 173 AT WILMOT ROAD	EARTH EXCAVATION (CU. YD.)	EMBANKMENT (CU. YD.)	EARTH EXCAVATION TO BE USED AS EMBANKMENT (ADJUSTED FOR SHRINKAGE (15%)) (CU. YD.)	EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	TOPSOIL REQUIRED (CU. YD.)	TOPSOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	UNSUITABLE MATERIAL (CU. YD.)
IL 173								
STA. 488+47 (LT) TO STA. 508+00 (LT)	1180	522	1003	481	1363	544	819	1063
STA. 487+00 (RT) TO STA. 508+00 (RT)	1146	1031	975	-56	1356	589	767	956
WILMOT ROAD								
STA. 195+48 (LT) TO STA. 211+00 (LT)	446	448	379	-69	1181	346	835	1290
STA. 195+30 (RT) TO STA. 212+00 (RT)	560	377	476	99	801	376	425	801
TOTAL =	3332	2378	2833	455	4701	1855	2846	4110

COLUMN 1: LOCATION FROM PLANS

COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL OR TOPSOIL

COLUMN 3: FILL QUANTITIES FROM CROSS SECTIONS

COLUMN 4: EARTH EXCAVATION THAT IS TO BE USED AS EMBANKMENT, ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 15%)

COLUMN 5: COLUMN 4 - COLUMN 3  
 POSITIVE QUANTITY = EXTRA EXCAVATION  
 NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED

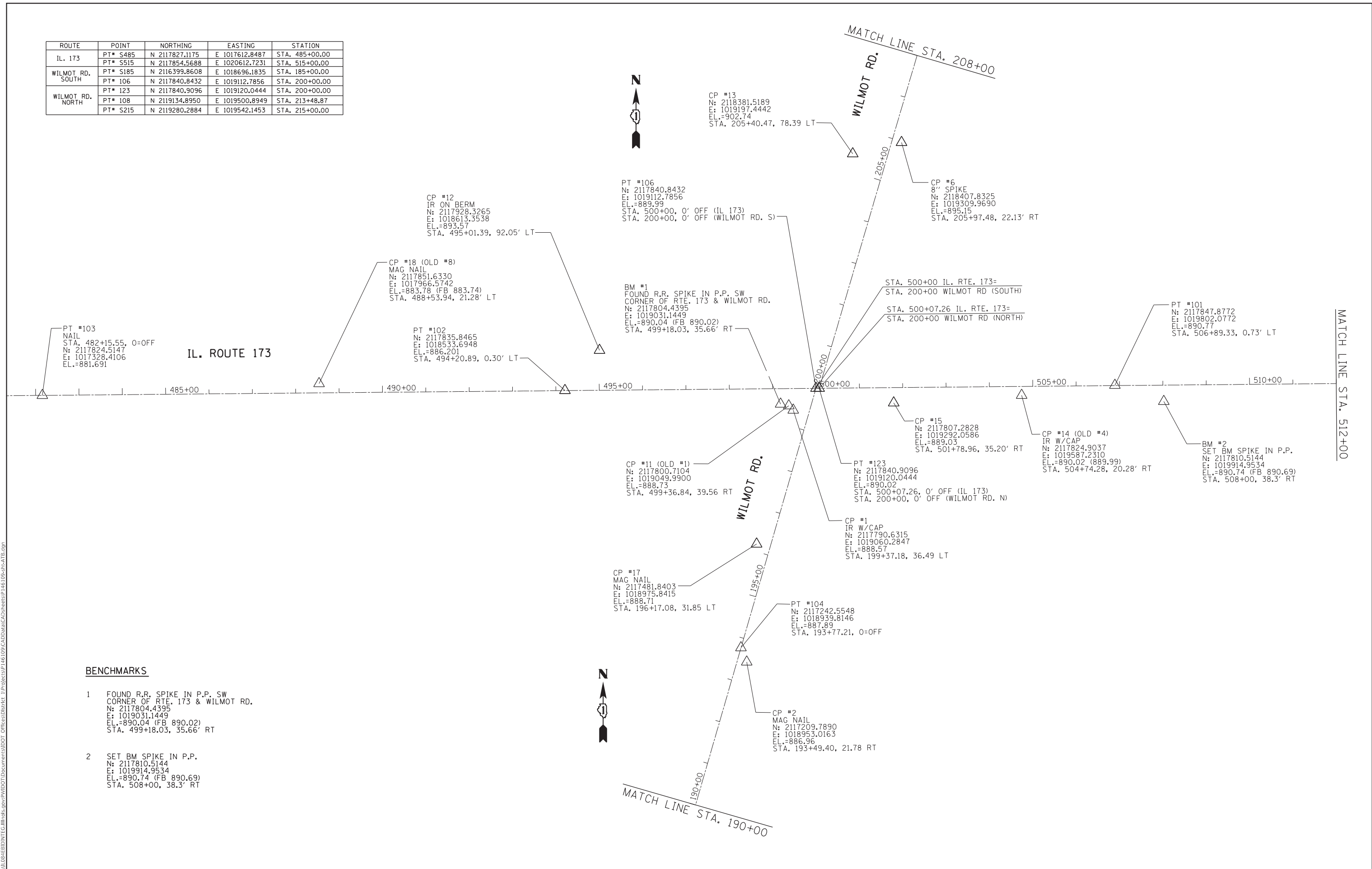
COLUMN 6: TOPSOIL EXCAVATED TO A DEPTH OF 12" IN AREAS THAT SHALL BE DISTURBED BY PROPOSED WORK

COLUMN 7: TOPSOIL REQUIRED BASED ON AREA OF PROPOSED SEEDING (PLACED AT A DEPTH OF 6")

COLUMN 8: COLUMN 6 - COLUMN 7  
 POSITIVE QUANTITY = EXTRA TOPSOIL  
 NEGATIVE QUANTITY = TOPSOIL FURNISH AND PLACE NEEDED

COLUMN 9: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT, AND EXTRA TOPSOIL EXCAVATION

ROUTE	POINT	NORTHING	EASTING	STATION
IL. 173	PT# S485	N 2117827.1175	E 1017612.8487	STA. 485+00.00
	PT# S515	N 2117854.5688	E 1020612.7231	STA. 515+00.00
WILMOT RD. SOUTH	PT# S185	N 2116399.8608	E 1018696.1835	STA. 185+00.00
	PT# 106	N 2117840.8432	E 1019112.7856	STA. 200+00.00
WILMOT RD. NORTH	PT# 123	N 2117840.9096	E 1019120.0444	STA. 200+00.00
	PT# 108	N 2119134.8950	E 1019500.8949	STA. 213+48.87
	PT# S215	N 2119280.2884	E 1019542.1453	STA. 215+00.00



**BENCHMARKS**

- FOUND R.R. SPIKE IN P.P. SW CORNER OF RTE. 173 & WILMOT RD.  
 N: 2117804.4395  
 E: 1019031.1449  
 EL.=890.04 (FB 890.02)  
 STA. 499+18.03, 35.66' RT
- SET BM SPIKE IN P.P.  
 N: 2117810.5144  
 E: 1019914.9534  
 EL.=890.74 (FB 890.69)  
 STA. 508+00, 38.3' RT

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USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2018	DATE -	REVISED -

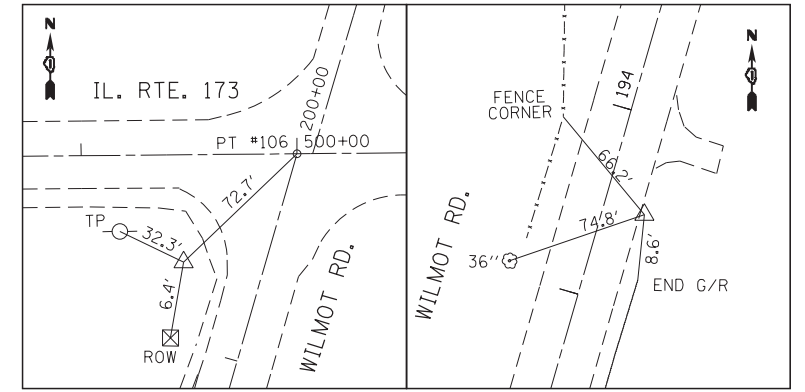
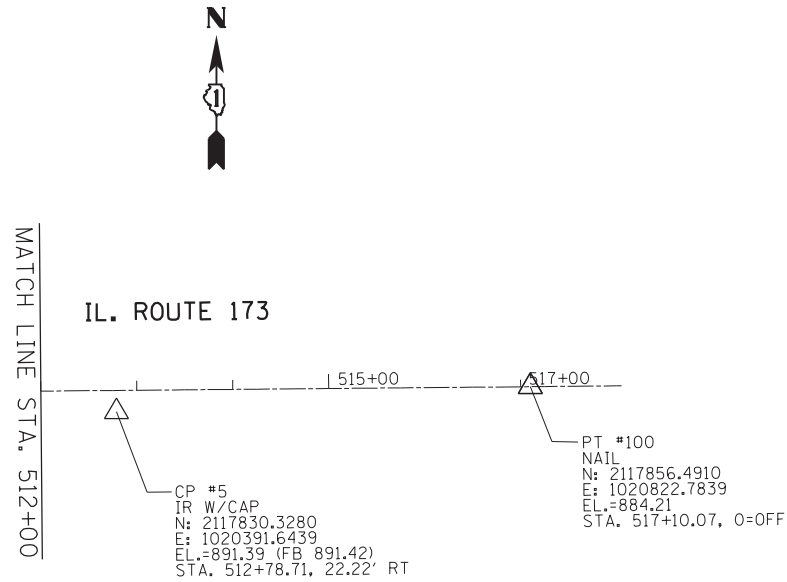
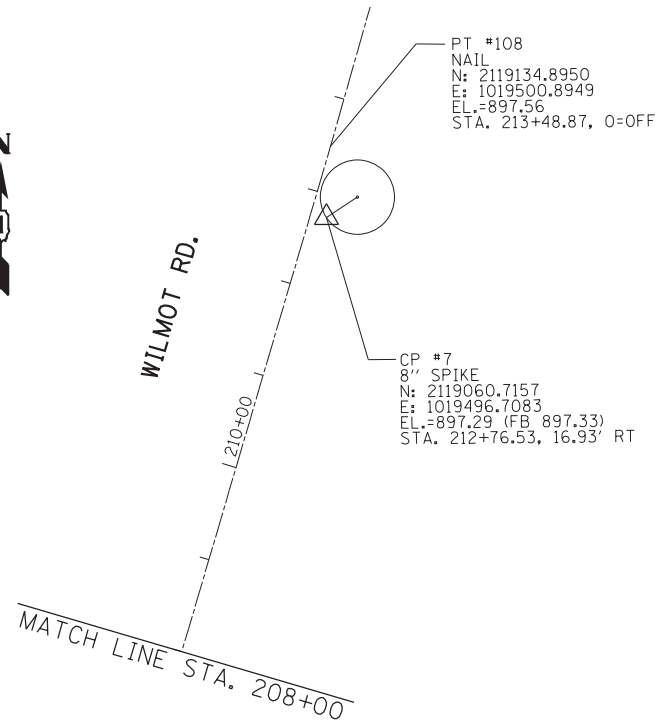
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS  
IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.

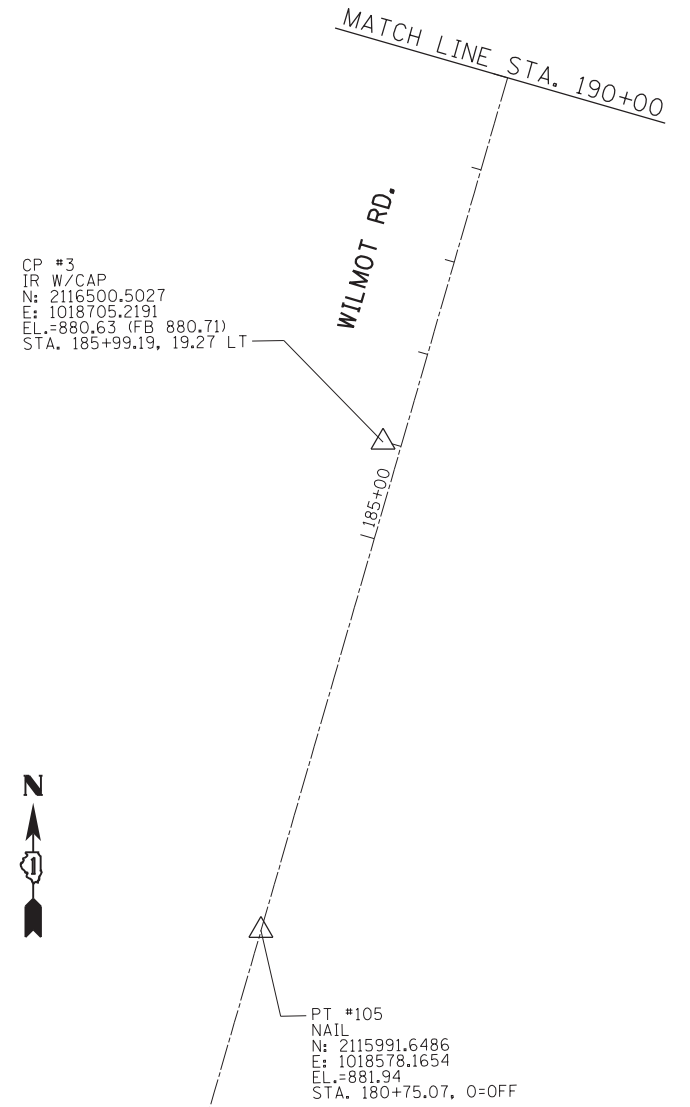
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	15
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

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**CONTROL POINT #1**  
 IR W/CAP  
 STA. 199+37.18, 36.49 LT  
 N: 2117790.6315  
 E: 1019060.2847  
 EL.=888.57

**CONTROL POINT #2**  
 MAG NAIL  
 STA. 193+49.40, 21.78 RT  
 N: 2117209.7890  
 E: 1018953.0163  
 EL.=886.96



USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2018	DATE -	REVISED -

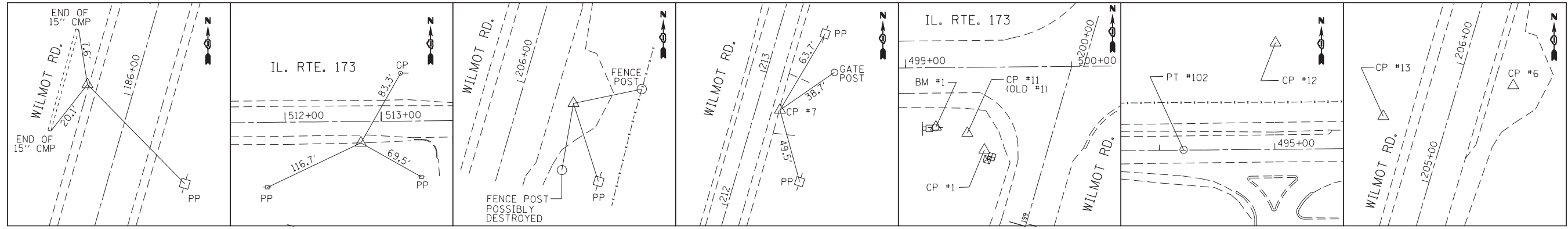
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	16
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				





**CONTROL POINT #3**

IR W/CAP  
 STA. 185+99.19, 19.27' LT  
 N: 2116500.5027  
 E: 1018705.2191  
 EL.=880.63 (FB 880.71)

**CONTROL POINT #5**

IR W/CAP  
 STA. 512+78.71, 22.22' RT  
 N: 2117830.3280  
 E: 1020391.6439  
 EL.=891.39 (FB 891.42)

**CONTROL POINT #6**

8" SPIKE  
 STA. 205+97.48, 22.13' RT  
 N: 2118407.8325  
 E: 1019309.9690  
 EL.=895.15

**CONTROL POINT #7**

8" SPIKE  
 STA. 212+76.53, 16.93' RT  
 N: 2119060.7157  
 E: 1019496.7083  
 EL.=897.29 (FB 897.33)

**CONTROL POINT #11**

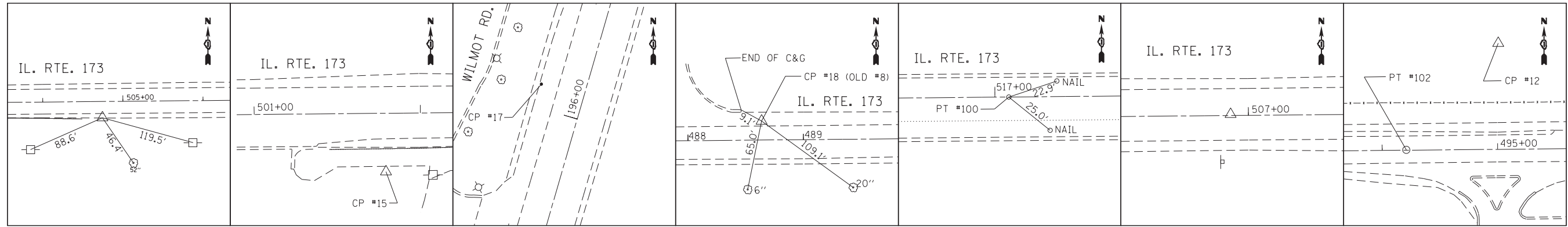
STA. 499+36.84, 39.56 RT  
 N: 2117800.7104  
 E: 1019049.9900  
 EL.=888.73

**CONTROL POINT #12**

IR ON BERM  
 STA. 495+01.39, 92.05' LT  
 N: 2117928.3265  
 E: 1018613.3538  
 EL.=893.57

**CONTROL POINT #13**

STA. 205+40.47, 78.39 LT  
 N: 2118381.5189  
 E: 1019197.4442  
 EL.=902.74



**CONTROL POINT #14 (OLD #4)**

IR W/CAP  
 STA. 504+74.28, 20.28' RT  
 N: 2117824.9037  
 E: 1019587.2310  
 EL.=890.02 (889.99)

**CONTROL POINT #15**

STA. 501+78.96, 35.20' RT  
 N: 2117807.2828  
 E: 1019292.0586  
 EL.=889.03

**CONTROL POINT #17**

MAG NAIL  
 STA. 196+17.08, 31.85 LT  
 N: 2117481.8403  
 E: 1018975.8415  
 EL.=888.71

**CONTROL POINT #18 (OLD #8)**

MAG NAIL  
 STA. 488+53.94, 21.28' LT  
 N: 2117851.6330  
 E: 1017966.5742  
 EL.=883.78 (FB 883.74)

**POINT #100**

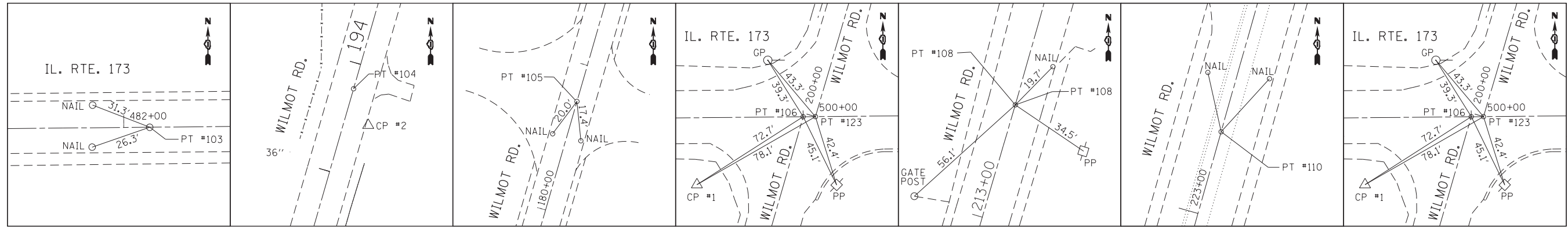
NAIL  
 STA. 517+10.07, 0'-OFF  
 N: 2117856.4910  
 E: 1020822.7839  
 EL.=884.21

**POINT #101**

STA. 506+89.33, 0.73' LT  
 N: 2117847.8772  
 E: 1019802.0772  
 EL.=890.77

**POINT #102**

STA. 494+20.89, 0.30' LT  
 N: 2117835.8465  
 E: 1018533.6948  
 EL.=886.201



**POINT #103**

NAIL  
 STA. 482+15.55, 0'-OFF  
 N: 2117824.5147  
 E: 1017328.4106  
 EL.=881.691

**POINT #104**

STA. 193+77.21, 0'-OFF  
 N: 2117242.5548  
 E: 1018939.8146  
 EL.=887.89

**POINT #105**

NAIL  
 STA. 180+75.07, 0'-OFF  
 N: 2115991.6486  
 E: 1018578.1654  
 EL.=881.94

**POINT #106**

STA. 500+00, 0' OFF (IL 173)  
 STA. 200+00, 0' OFF (WILMOT RD. S)  
 N: 2117840.8432  
 E: 1019112.7856  
 EL.=889.99

**POINT #108**

NAIL  
 STA. 213+48.87, 0'-OFF  
 N: 2119134.8950  
 E: 1019500.8949  
 EL.=897.56

**POINT #110**

NAIL  
 STA. 223+42.51, 0'-OFF  
 N: 2120090.8040  
 E: 1019772.1013  
 EL.=898.12

**POINT #123**

STA. 500+07.26, 0' OFF (IL 173)  
 STA. 200+00, 0' OFF (WILMOT RD. N)  
 N: 2117840.9096  
 E: 1019120.0444  
 EL.=890.02

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USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	17
CONTRACT NO. 60T13				
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	

**LEGEND**

**PROPOSED PAVEMENT WIDENING (IL 173 AND WILMOT RD. - SOUTH) (TYP.)**

- ① PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- PROPOSED HMA BASE COURSE WIDENING, 10 1/2"
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

**PROPOSED PAVEMENT WIDENING (WILMOT RD. - NORTH) (TYP.)**

- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- PROPOSED HMA BASE COURSE, 7"
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

**PROPOSED SHOULDER RECONSTRUCTION (IL 173 AND WILMOT RD. - SOUTH) (TYP.)**

- ③ PROPOSED HMA SHOULDERS, 8"
- (INCLUDES HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- AND HMA BASE COURSE, 6 1/4")
- PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B \*
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- \*NOT INCLUDED BETWEEN STA. 195+48.07 TO STA. 197+20 (L.T.)

**PROPOSED SHOULDER RECONSTRUCTION (WILMOT RD. - NORTH) (TYP.)**

- ④ PROPOSED HMA SHOULDERS, 8"
- (INCLUDES HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- AND HMA BASE COURSE, 6 1/4")
- PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B (ONLY APPLIES TO LEFT SIDE)
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

**PROPOSED PAVEMENT RESURFACING (TYP.)**

- ⑤ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

**PROPOSED SHOULDER RESURFACING (TYP.)**

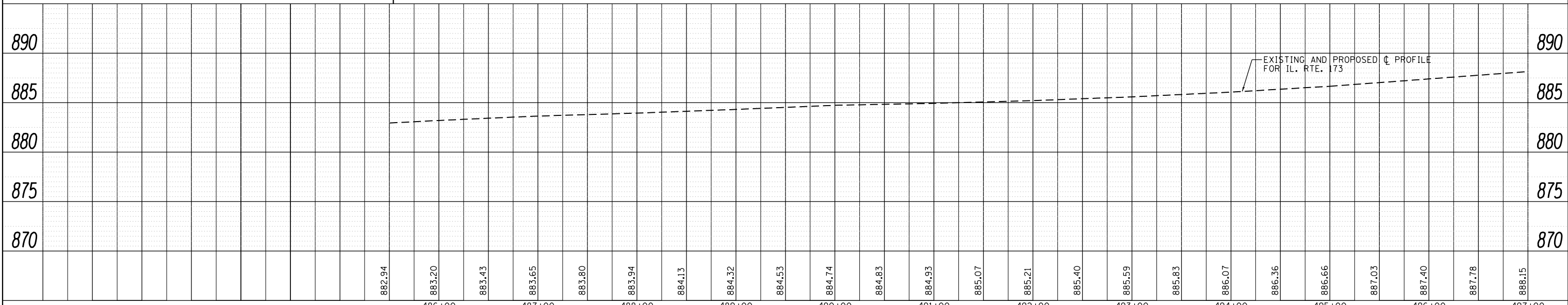
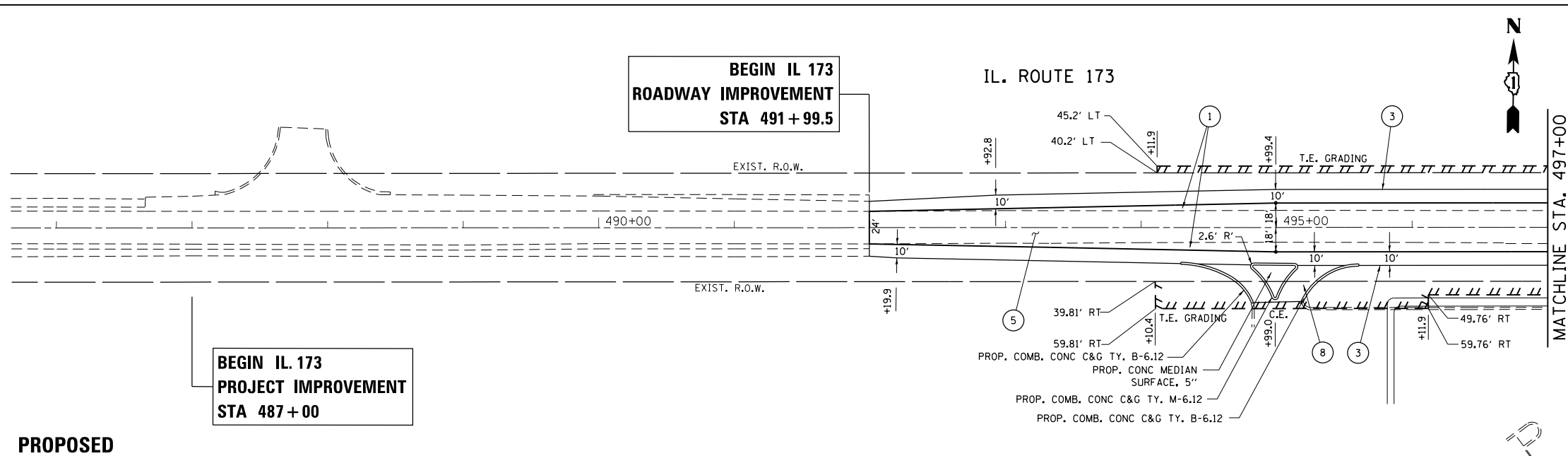
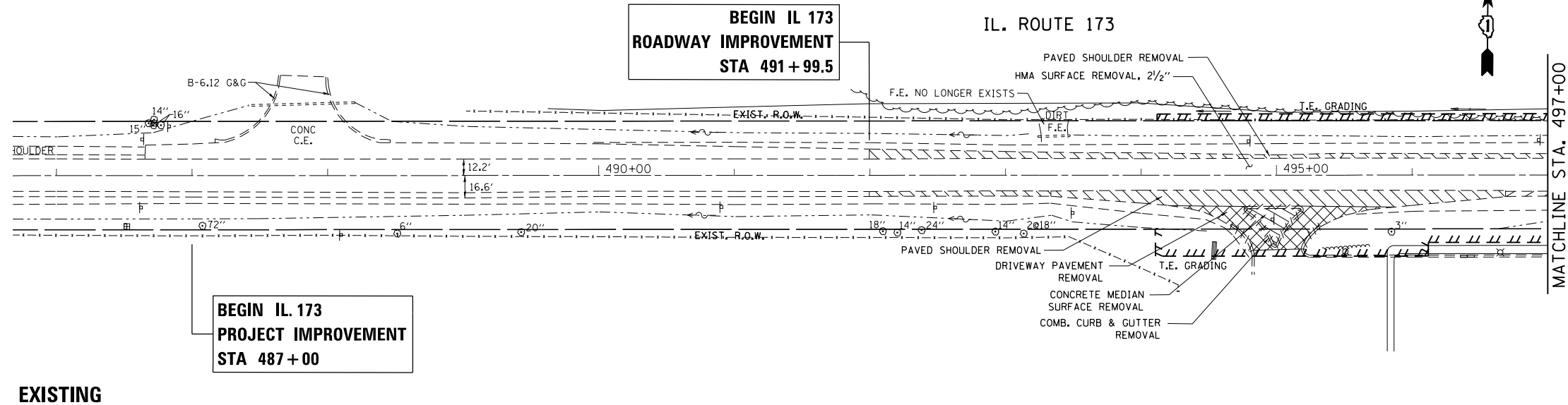
- ⑥ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

**PROPOSED HMA DRIVEWAYS (TYP.)**

- ⑦ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 2"
- PROPOSED HMA BASE COURSE, 8"

**PROPOSED PCC DRIVEWAYS (TYP.)**

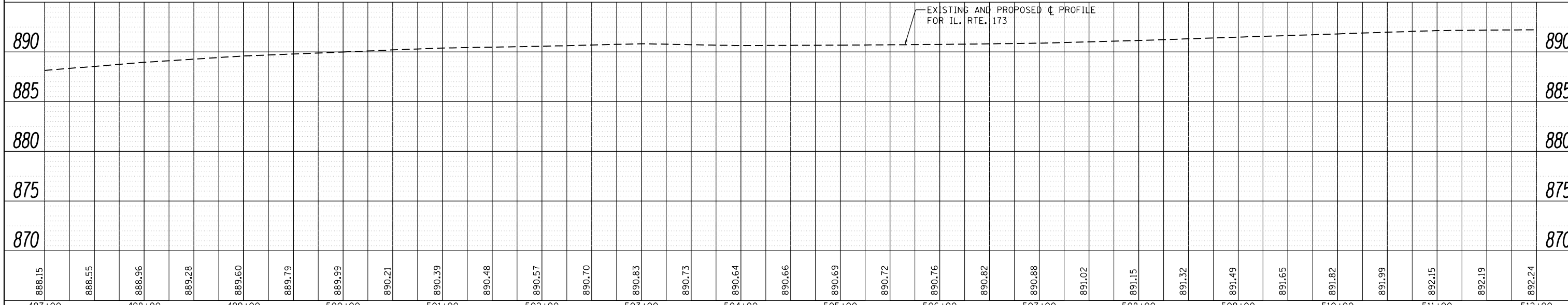
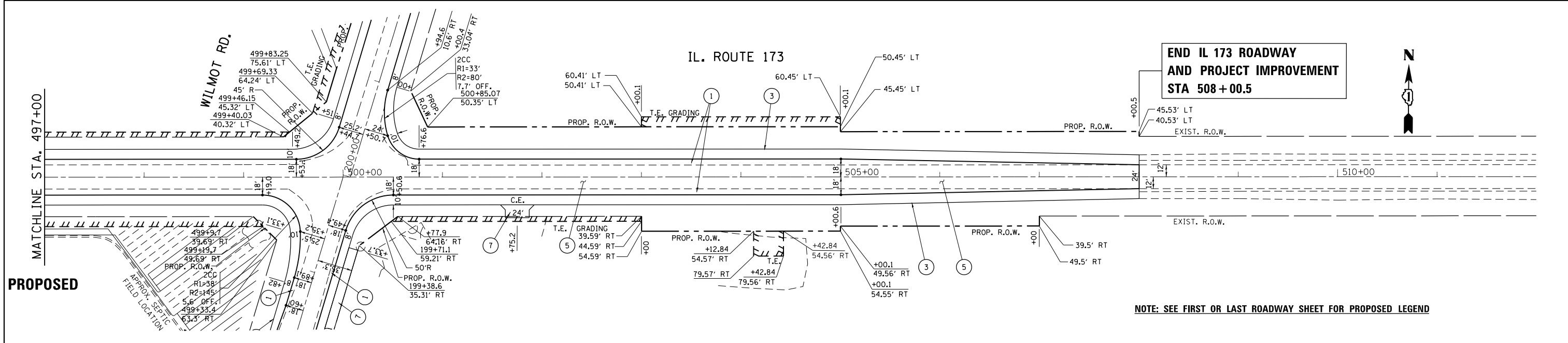
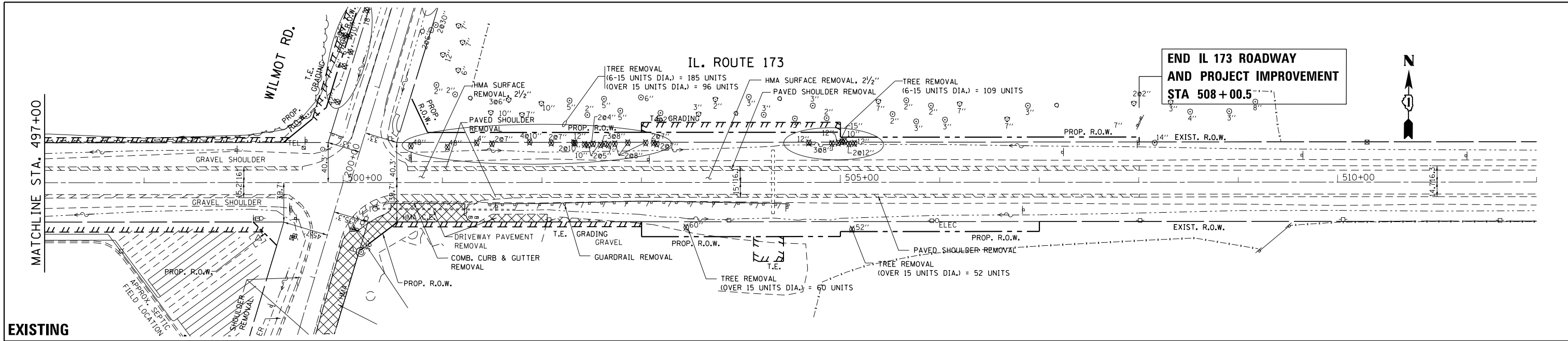
- ⑧ PROPOSED PCC DRIVEWAY PAVEMENT, 8"



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISOR -	DATE -	09-13-18
Default		CHECKED -	REVISOR -	DATE -	
<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>					
<b>EXISTING AND PROPOSED ROADWAY PLAN</b>			<b>IL. ROUTE 173 AT WILMOT ROAD</b>		
SCALE: 1" = 50'	SHEET	OF	SHEETS	STA. 482+00.00	TO STA. 497+00.00
				F.A.P. RTE. 303	SECTION 134N-1
				COUNTY MCHENRY	TOTAL SHEETS 101
				CONTRACT NO. 60T13	
ILLINOIS FED. AID PROJECT					

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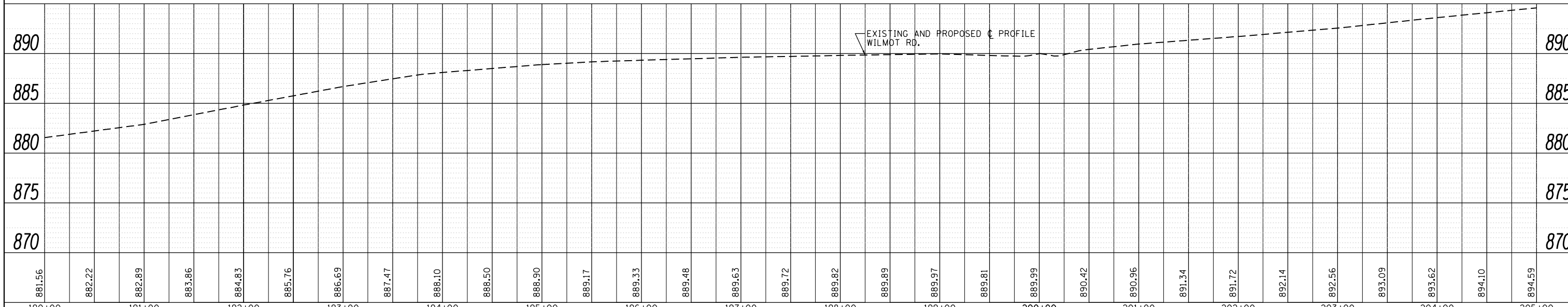
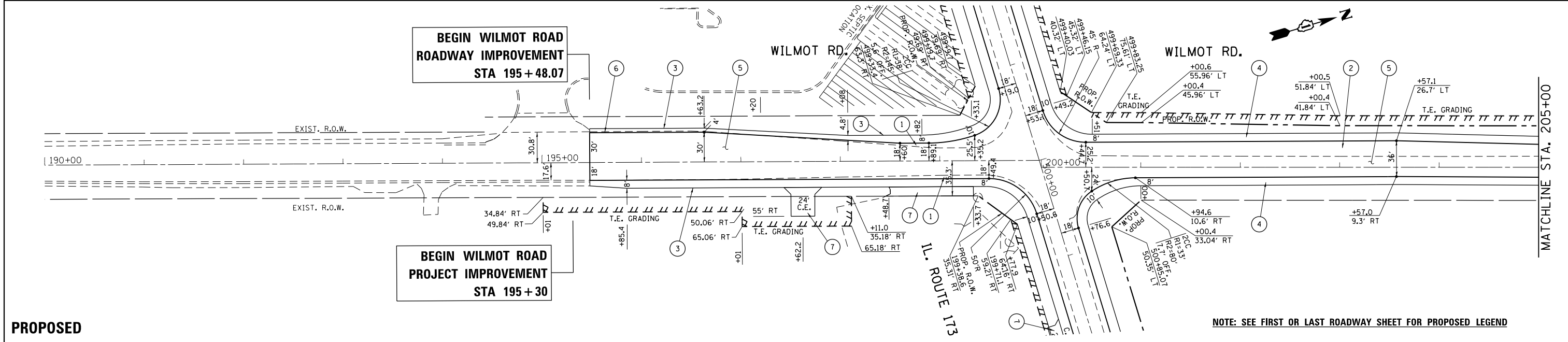
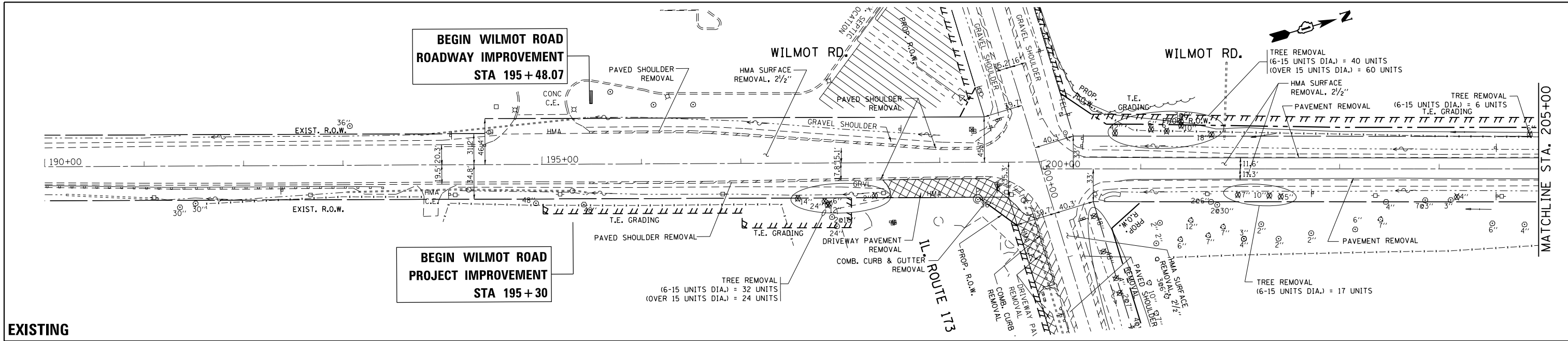
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	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS		EXISTING AND PROPOSED ROADWAY PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: 1" = 50'		SHEET OF SHEETS		STA. 497+00.00 TO STA. 512+00.00		CONTRACT NO. 60713
	PLOT DATE = 10/1/2018	DATE -	REVISED -									ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
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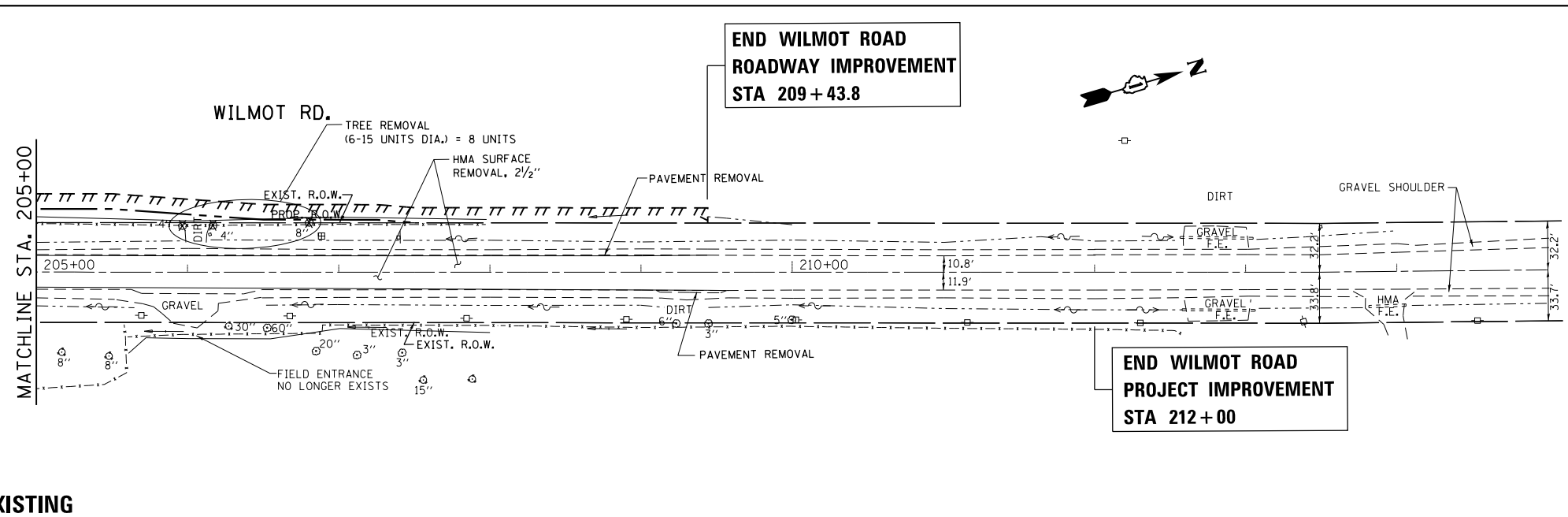
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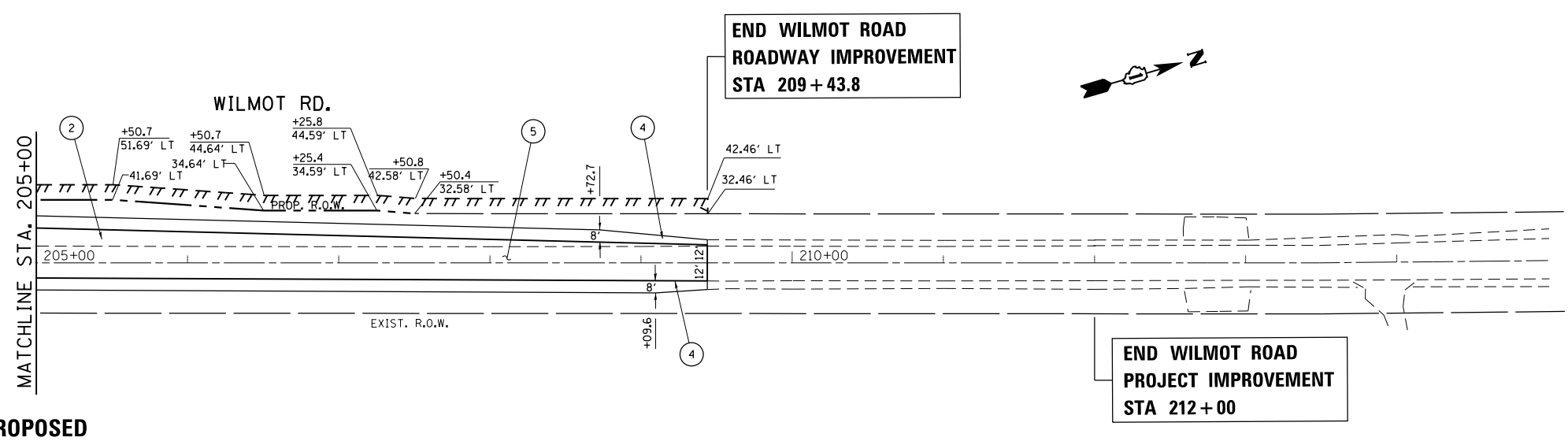
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA. 190+00.00	TO STA. 205+00.00
	PLOT DATE = 10/1/2018	DATE -	REVISED -							CONTRACT NO. 60T13
										ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



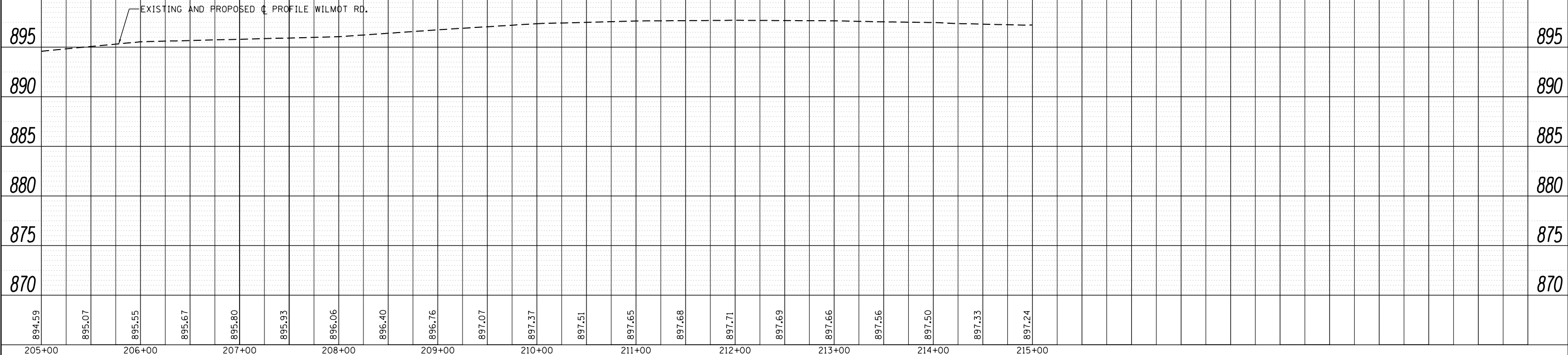
**EXISTING**



**PROPOSED**

**LEGEND**

- PROPOSED PAVEMENT WIDENING (IL 173 AND WILMOT RD. - SOUTH) (TYP.)**
  - 1 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
  - PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
  - PROPOSED HMA BASE COURSE WIDENING, 10 1/2"
  - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- PROPOSED PAVEMENT WIDENING (WILMOT RD. - NORTH) (TYP.)**
  - 2 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
  - PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
  - PROPOSED HMA BASE COURSE, 7"
  - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- PROPOSED SHOULDER RECONSTRUCTION (IL 173 AND WILMOT RD. - SOUTH) (TYP.)**
  - 3 PROPOSED HMA SHOULDERS, 8"
  - (INCLUDES HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
  - AND HMA BASE COURSE, 6 1/4")
  - PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B\*
  - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - \*NOT INCLUDED BETWEEN STA. 195+48.07 TO STA. 197+20 (LT.)
- PROPOSED SHOULDER RECONSTRUCTION (WILMOT RD. - NORTH) (TYP.)**
  - 4 PROPOSED HMA SHOULDERS, 8"
  - (INCLUDES HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
  - AND HMA BASE COURSE, 6 1/4")
  - PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B (ONLY APPLIES TO LEFT SIDE)
  - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- PROPOSED PAVEMENT RESURFACING (TYP.)**
  - 5 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
  - PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- PROPOSED SHOULDER RESURFACING (TYP.)**
  - 6 PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
  - PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- PROPOSED HMA DRIVEWAYS (TYP.)**
  - 7 PROPOSED HMA SURFACE COURSE, MIX "D", N50, 2"
  - PROPOSED HMA BASE COURSE, 8"
- PROPOSED PCC DRIVEWAYS (TYP.)**
  - 8 PROPOSED PCC DRIVEWAY PAVEMENT, 8"



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1" = 50' SHEET OF SHEETS STA. 205+00.00 TO STA. 220+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	21
			CONTRACT NO. 60T13	
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OF TRAFFIC NOTES**

- THE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. ANY CHANGES TO THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS.
- ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. WHEN A DRIVEWAY MUST BE CLOSED TEMPORARILY FOR CONSTRUCTION OF THE DRIVEWAY APRON, PROPERTIES WITH MULTIPLE ENTRANCES SHALL HAVE ONLY ONE ENTRANCE CLOSED AT A TIME.
- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" WITHIN THE PROJECT LIMITS AND "PAVEMENT MARKING REMOVAL - WATER BLASTING" OUTSIDE THE PROJECT LIMITS.
- ALL EXISTING SIGNS WITHIN THE LIMITS OF THE MAINTENANCE OF TRAFFIC WHICH ARE OBTSCURED BY OR OTHERWISE INTERFERED WITH BY THE CONSTRUCTION OPERATIONS AND MAINTENANCE OF TRAFFIC, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THE EXISTING FLASHING STOP LIGHTS, STOP AHEAD SIGNS, AND ROUTE SIGNS SHALL BE MAINTAINED/RELOCATED DURING STAGING. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**CONSTRUCTION SEQUENCE**

**STAGE 1:**

APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL AND PROTECTION FOR DAY-TIME LANE CLOSURES SHALL BE UTILIZED TO PERFORM THE WORK LISTED BELOW. LANE CLOSURES REQUIRED TO COMPLETE STAGE 1 WORK SHALL ONLY BE UTILIZED DURING ALLOWABLE HOURS AS SPECIFIED IN THE SPECIAL PROVISION 'KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (LANE CLOSURES ONLY)'.

- RELOCATION OF UTILITIES
- TREE REMOVAL, INSTALLATION OF TREE PROTECTION AND PERIMETER EROSION BARRIER. SEE ROADWAY PLANS, EROSION CONTROL PLAN, AND LANDSCAPING PLAN FOR DETAILS
- CONSTRUCTION OF PROPOSED STORM SEWER JACKED IN PLACE, 24" WITH PRC FES (2 EA). SEE DRAINAGE AND UTILITY PLANS, AND ROADWAY PLANS FOR DETAILS.
- CONSTRUCTION OF TEMPORARY PAVEMENT

**STAGE 2:**

TRAVEL LANES ON IL 173 SHALL BE SHIFTED TO THE SOUTH WHILE MAINTAINING ONE LANE IN EACH DIRECTION.

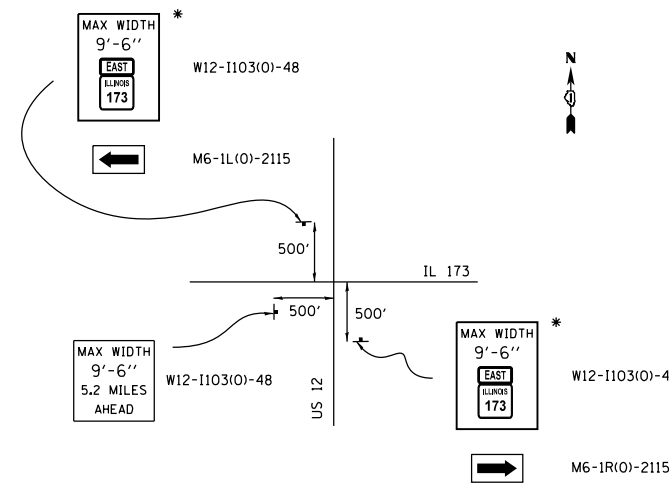
11 FOOT WIDE TRAVEL LANES SHALL BE MAINTAINED AT ALL TIMES. EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 1 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 2 MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER. ALL PROPOSED WORK SHALL BE EXECUTED WITHIN THE WORK AREA.

**STAGE 3:**

TRAVEL LANES ON IL 173 SHALL BE SHIFTED TO THE NORTH WHILE MAINTAINING ONE LANE IN EACH DIRECTION.

11 FOOT WIDE TRAVEL LANES SHALL BE MAINTAINED AT ALL TIMES. EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 3 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 2 CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 3 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 3 MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER. ALL PROPOSED WORK SHALL BE EXECUTED WITHIN THE WORK AREA.

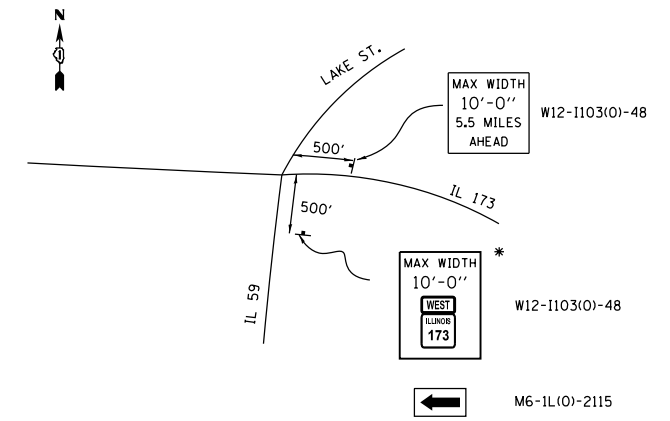
**WIDTH RESTRICTION FOR EASTBOUND TRAFFIC**



NOTE: SIGNS APPLY TO STAGE II AND III.

\* DIMENSION IS BLACK ON ORANGE.

**WIDTH RESTRICTION FOR WESTBOUND TRAFFIC**



NOTE: SIGNS APPLY TO STAGE II.

\* DIMENSION IS BLACK ON ORANGE.

**STAGE 4:**

TRAVEL LANES ON WILMOT ROAD SHALL BE SHIFTED TO THE EAST WHILE MAINTAINING ONE LANE IN EACH DIRECTION.

11 FOOT WIDE TRAVEL LANES SOUTH AND NORTH OF IL 173 SHALL BE MAINTAINED AT ALL TIMES. EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 4 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 3 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 4 MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER. ALL PROPOSED WORK SHALL BE EXECUTED WITHIN THE WORK AREA.

**STAGE 5:**

TRAVEL LANES ON WILMOT ROAD SHALL BE SHIFTED TO THE WEST WHILE MAINTAINING ONE LANE IN EACH DIRECTION.

11 FOOT WIDE TRAVEL LANES SOUTH OF IL 173, AND 10 FOOT MIN. WIDE TRAVEL LANES NORTH OF IL 173 SHALL BE MAINTAINED AT ALL TIMES. EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 5 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 4 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 5 MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER. ALL PROPOSED WORK SHALL BE EXECUTED WITHIN THE WORK AREA.

**POST-STAGE:**

PAVEMENT MARKING TAPE, TYPE IV FOR STAGE V SHALL BE REMOVED PRIOR TO THE MILLING OF THE EXISTING PAVEMENT. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". THEREAFTER, SHORT TERM PAVEMENT MARKINGS SHALL BE USED AND PLACED ACCORDING TO THE FINAL PAVEMENT MARKING PLAN OR AS DIRECTED BY THE ENGINEER.

UPON COMPLETION OF ROADWAY WIDENING, BOTH IL 173 AND WILMOT ROAD SHALL BE MILLED AND RESURFACED. APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL AND PROTECTION SHALL APPLY. LANE CLOSURES SHALL ONLY BE UTILIZED DURING ALLOWABLE HOURS AS SPECIFIED IN THE SPECIAL PROVISION 'KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (LANE CLOSURES ONLY)'.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

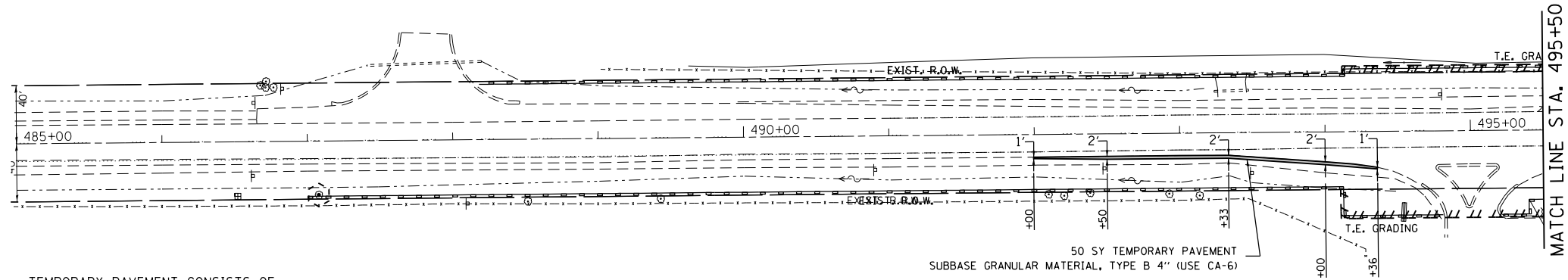
**MAINT. OF TRAFFIC NOTES AND SUGGESTED CONSTRUCTION SEQUENCE  
IL. ROUTE 173 AT WILMOT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	22
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 173



TEMPORARY PAVEMENT CONSISTS OF:

OPTION 1: TEMPORARY PAVEMENT  
 HMA BINDER COURSE, IL-19.0, N70; 10"  
 SUBBASE GRANULAR MATERIAL, TYPE B (CA-6); 4"

OR

OPTION 2: TEMPORARY PAVEMENT  
 TEMPORARY PCC PAVEMENT; 8"  
 SUBBASE GRANULAR MATERIAL, TYPE B (CA-6); 4"

(SEE HMA MIXTURE REQUIREMENTS TABLE FOR ADDITIONAL DETAILS)

LEGEND

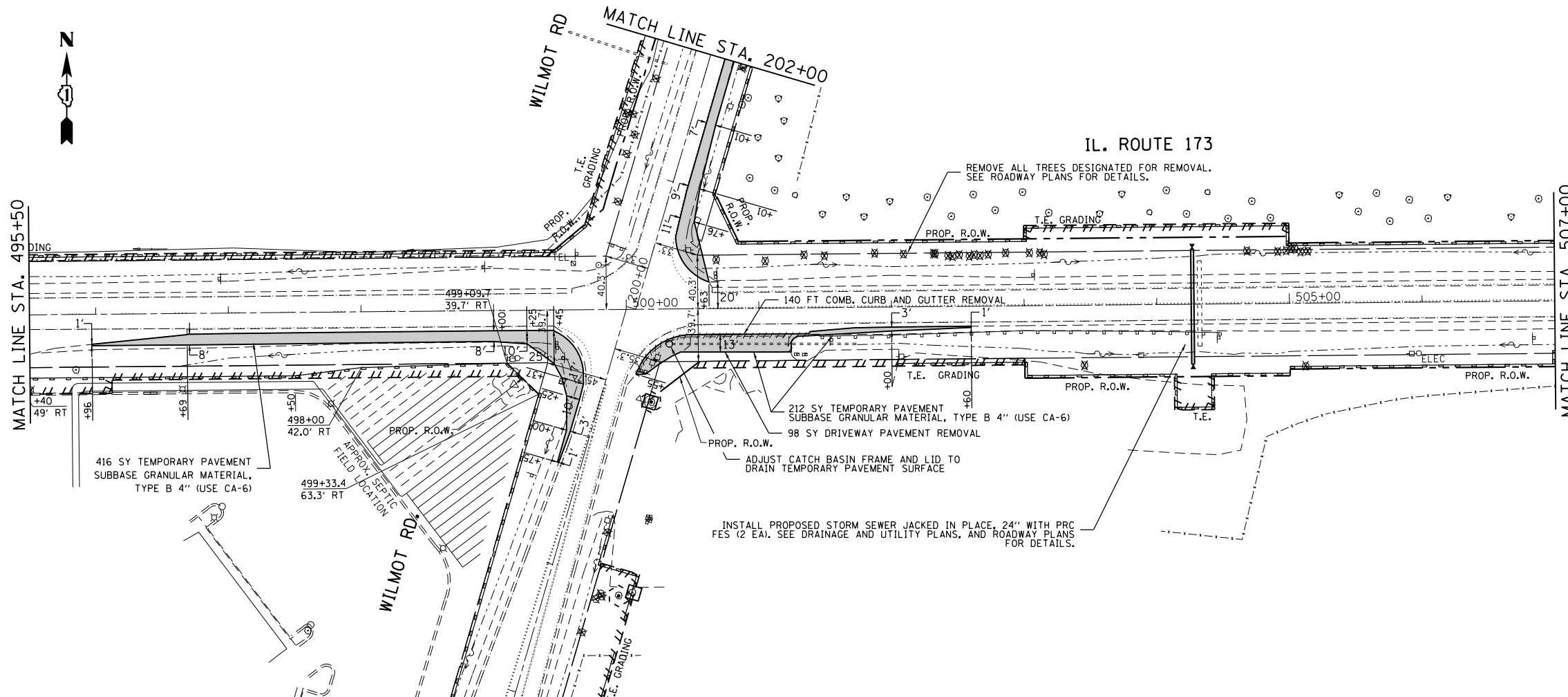
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- DIRECTION OF TRAFFIC
- SIGN
- ARROW BOARD
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
 IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".
5. THE CONTRACTOR SHALL FOLLOW APPROPRIATE HIGHWAY STANDARDS AS REQUIRED TO COMPLETE STAGE 1 WORK.



IL. ROUTE 173



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






STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 1)  
 IL. ROUTE 173 AT WILMOT ROAD

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

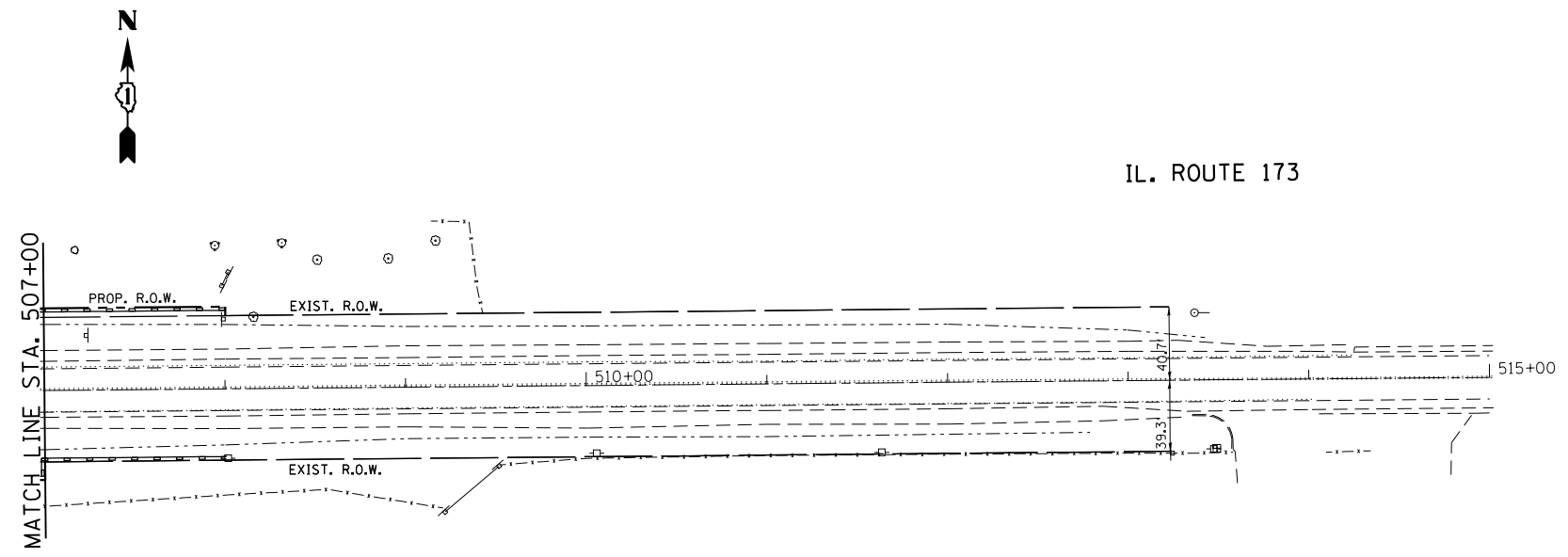
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	23
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  WORK AREA
-  DIRECTION OF TRAFFIC
-  SIGN
-  ARROW BOARD
-  TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
-  TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

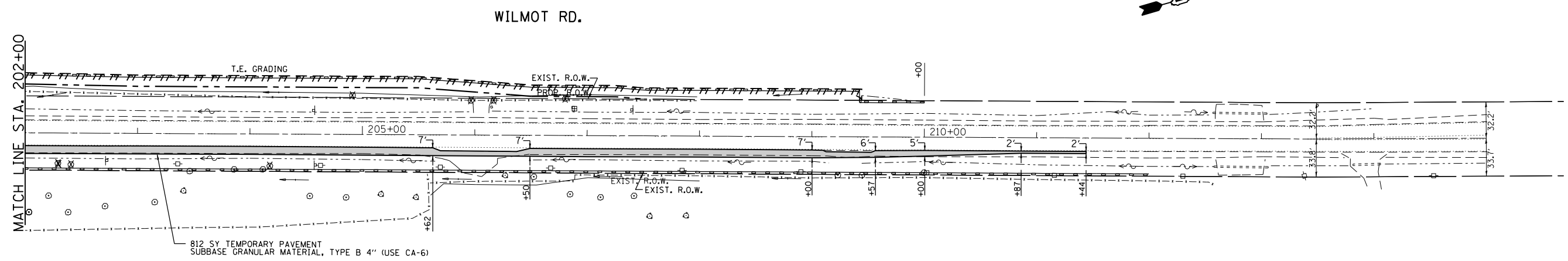
1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".
5. THE CONTRACTOR SHALL FOLLOW APPROPRIATE HIGHWAY STANDARDS AS REQUIRED TO COMPLETE STAGE 1 WORK.



TEMPORARY PAVEMENT CONSISTS OF:

OPTION 1: TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70; 10" SUBBASE GRANULAR MATERIAL, TYPE B (CA-6); 4"	OR	OPTION 2: TEMPORARY PAVEMENT TEMPORARY PCC PAVEMENT; 8" SUBBASE GRANULAR MATERIAL, TYPE B (CA-6); 4"
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(SEE HMA MIXTURE REQUIREMENTS TABLE FOR ADDITIONAL DETAILS)



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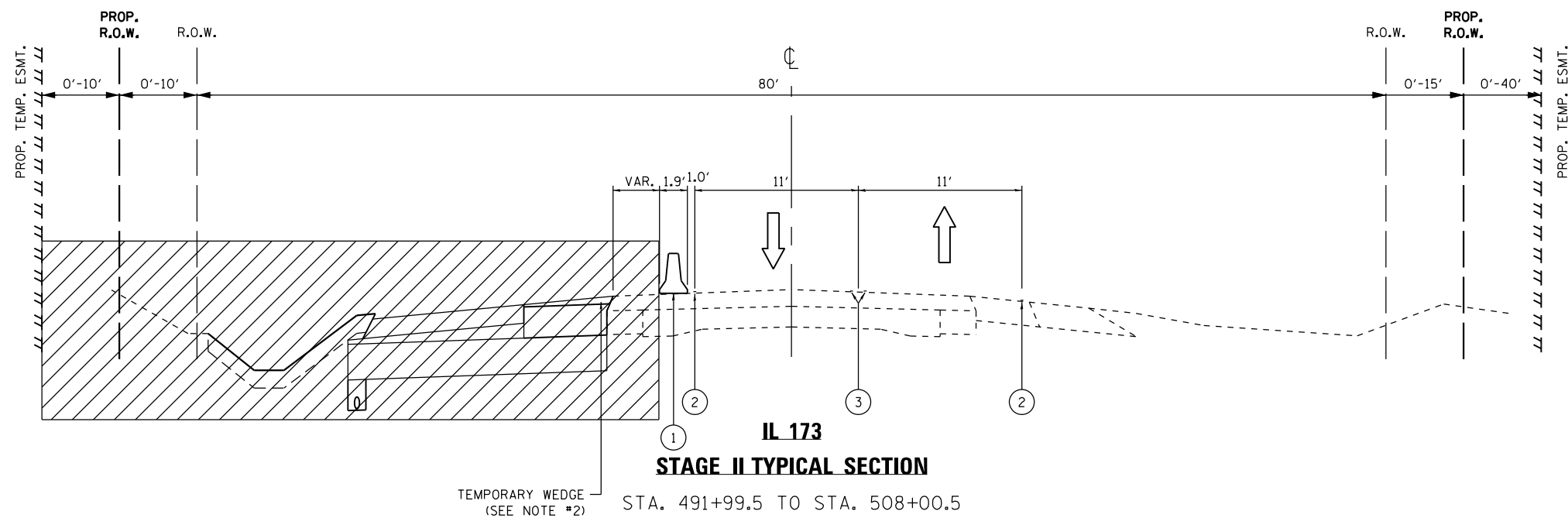
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 1)			
IL. ROUTE 173 AT WILMOT ROAD			
SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	24
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



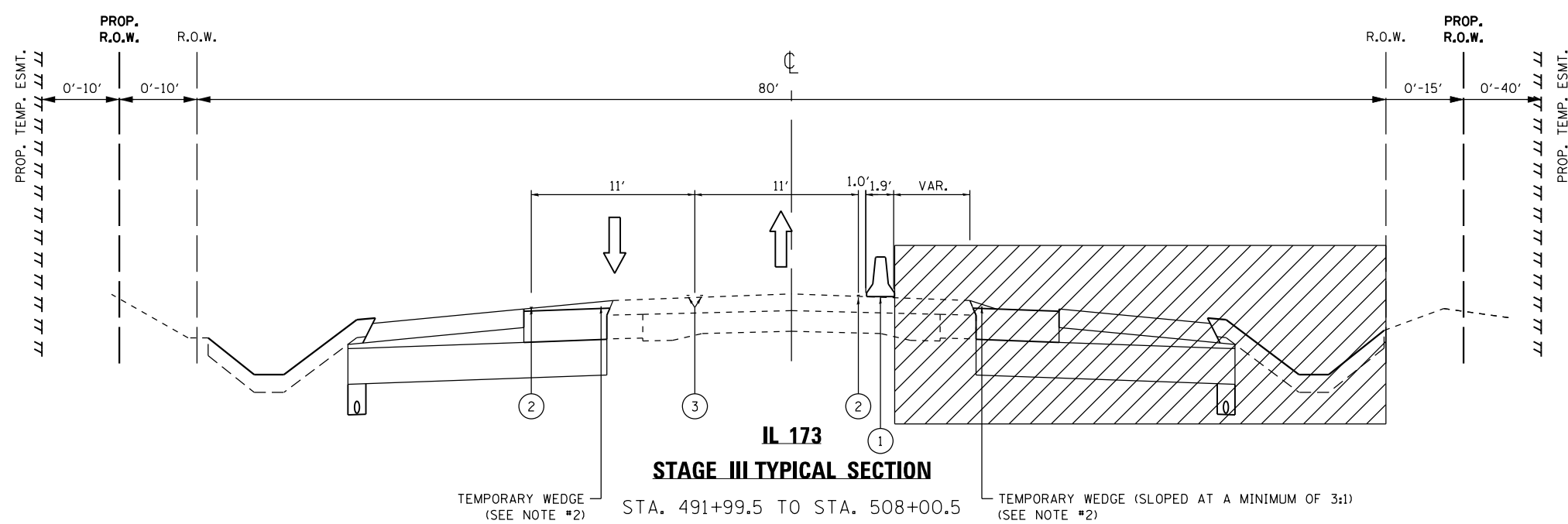


**LEGEND**

- ← DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ① TEMPORARY CONCRETE BARRIER
- ② PAVEMENT MARKING TAPE TYPE IV, 4", SOLID WHITE EDGE LINE
- ③ PAVEMENT MARKING TAPE TYPE IV, 4", SOLID DOUBLE YELLOW LINES

**NOTES**

1. DURING STAGE I TRAFFIC CONTROL SHALL FOLLOW IDOT HIGHWAY STANDARD 701006 (OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE AS NEEDED).
2. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.
3. DURING STAGE II, TEMPORARY CONCRETE BARRIER SHALL BE PINNED FROM STA. 503+00 TO STA. 508+25 (LT).
4. DURING STAGE III, TEMPORARY CONCRETE BARRIER SHALL BE PINNED FROM STA. 491+74.5 TO STA. 493+99.5 (RT).



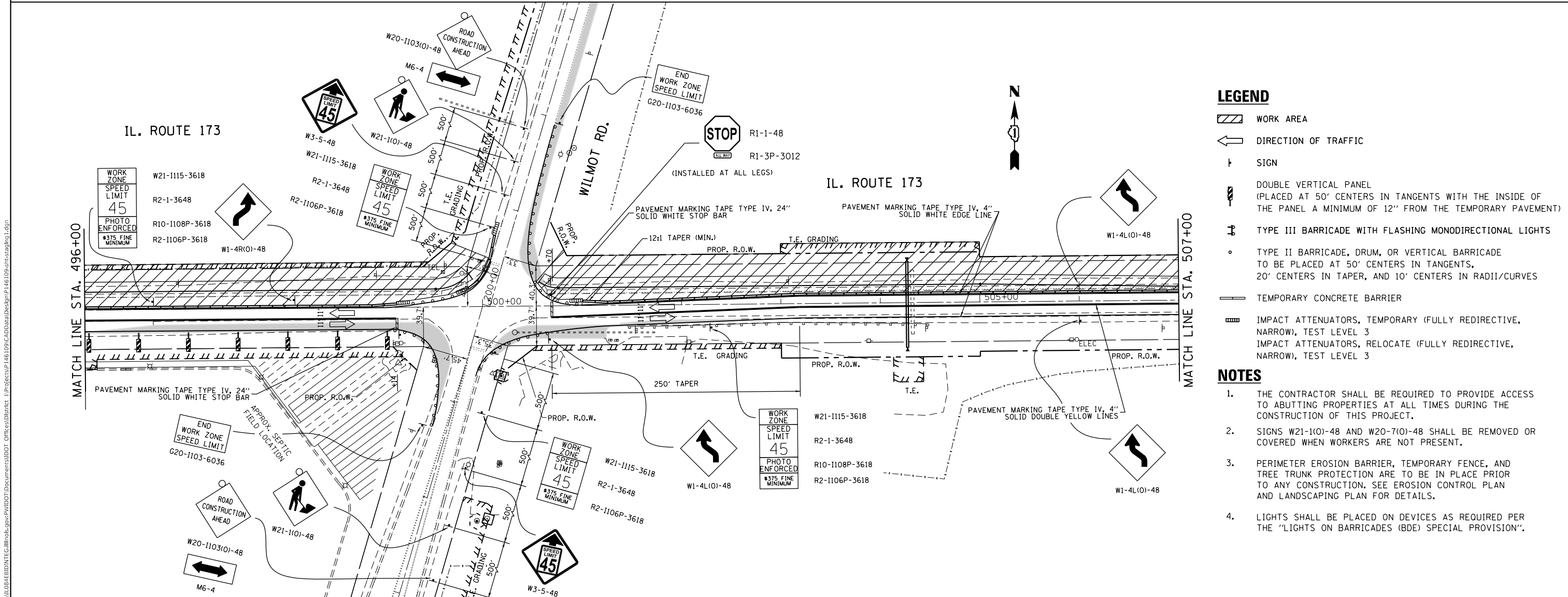
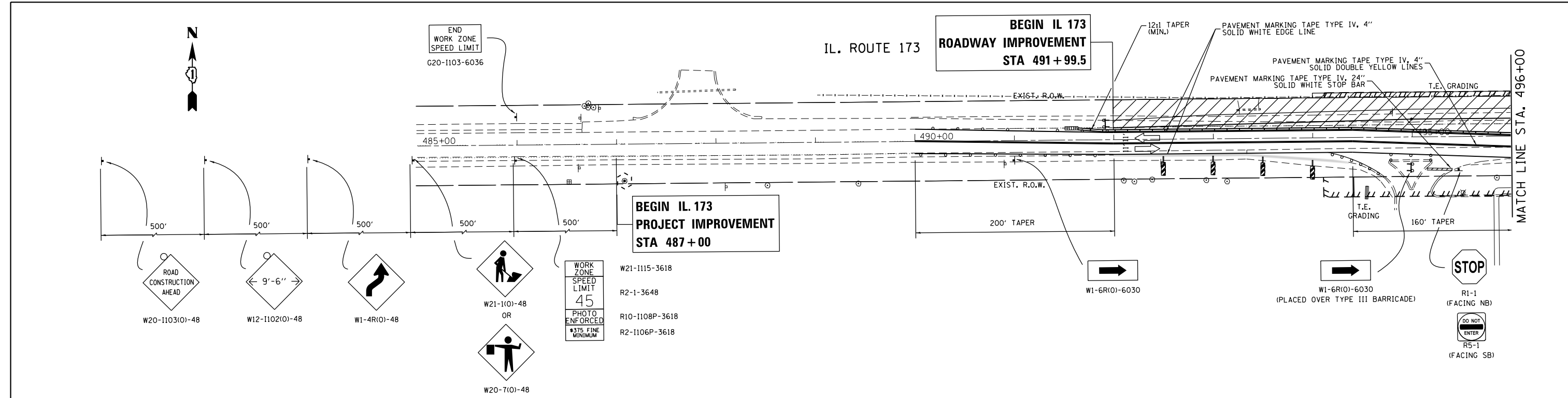
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGING TYPICAL SECTIONS</b> <b>IL. ROUTE 173 AT WILMOT ROAD</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	25
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- SIGN
- DOUBLE VERTICAL PANEL (PLACED AT 50' CENTERS IN TANGENTS WITH THE INSIDE OF THE PANEL A MINIMUM OF 12" FROM THE TEMPORARY PAVEMENT)
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(O)-48 AND W20-7(O)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

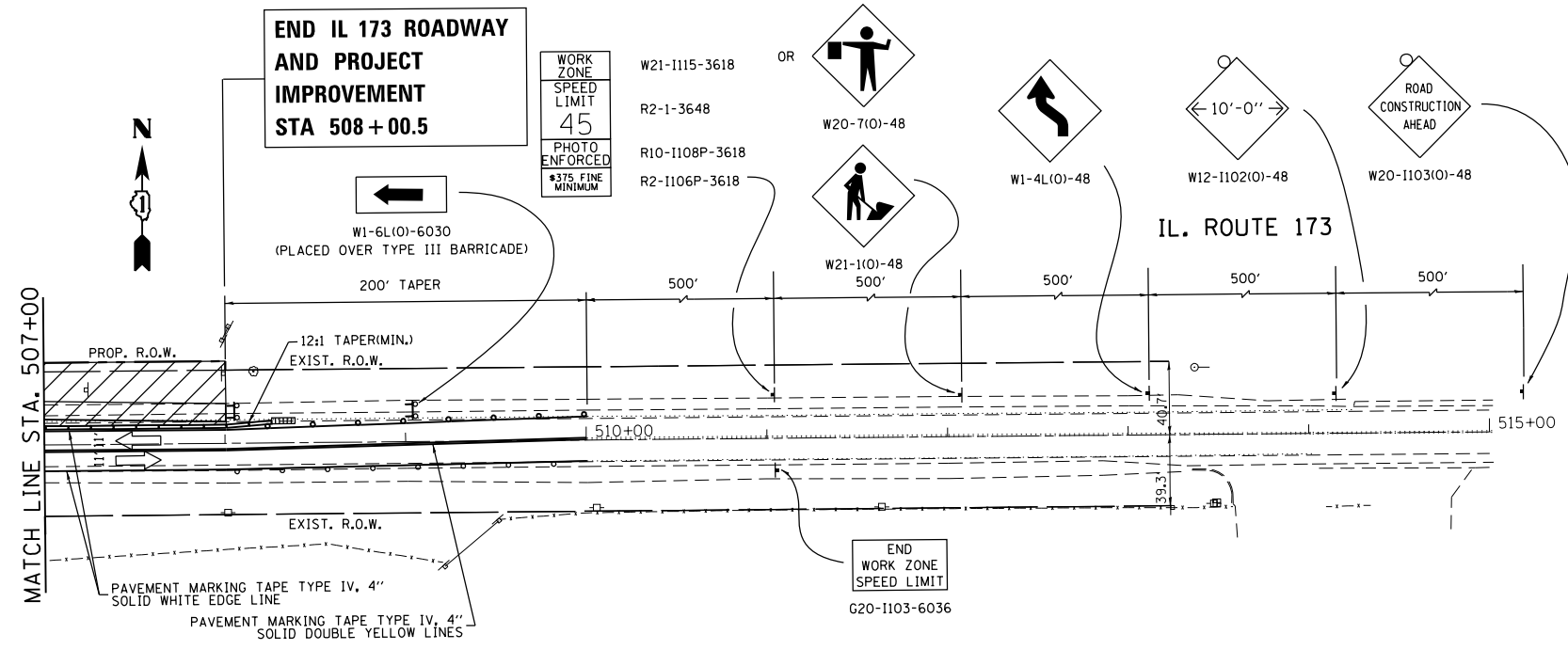
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 2)</b>			
<b>IL. ROUTE 173 AT WILMOT ROAD</b>			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	26
CONTRACT NO. 60T13				
ILLINOIS		FED. AID PROJECT		

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**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- SIGN
- DOUBLE VERTICAL PANEL  
(PLACED AT 50' CENTERS IN TANGENTS WITH THE INSIDE OF THE PANEL A MINIMUM OF 12" FROM THE TEMPORARY PAVEMENT)
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE  
TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

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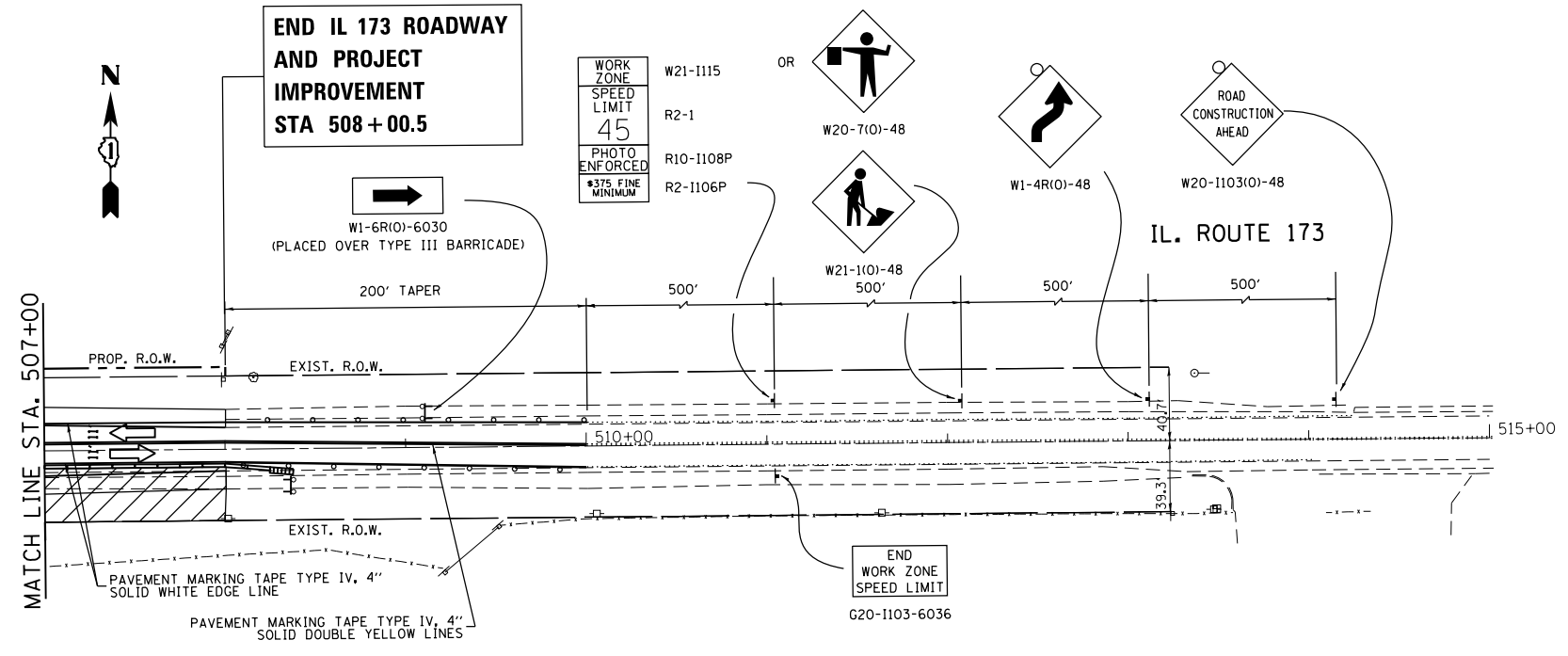
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PLOT DATE = 10/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 2)			
IL. ROUTE 173 AT WILMOT ROAD			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	27
CONTRACT NO. 60T13				
ILLINOIS		FED. AID PROJECT		





**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

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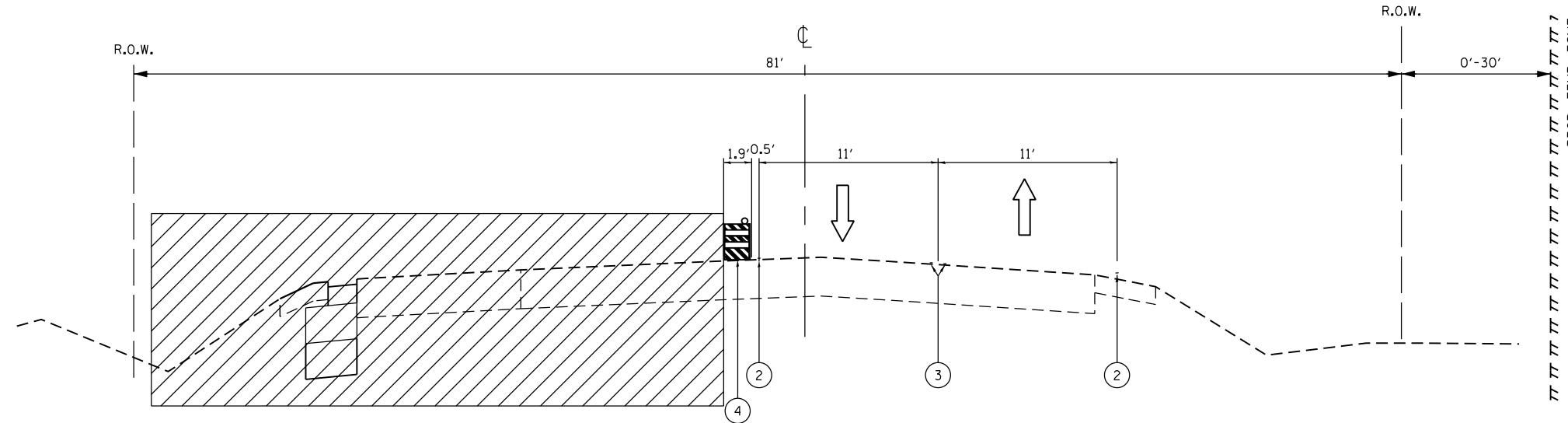
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

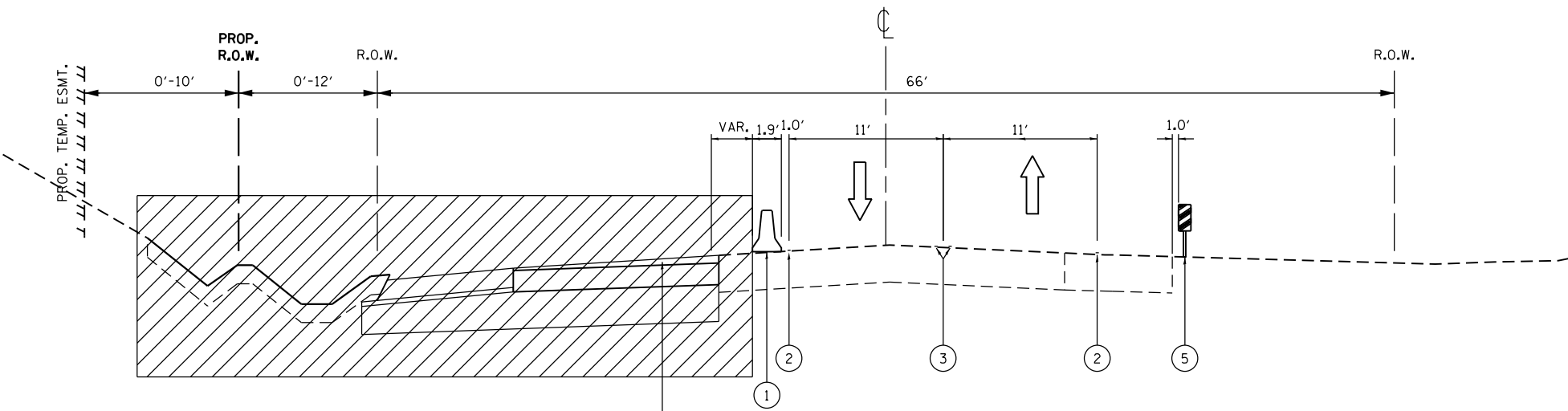
**SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 3)  
IL. ROUTE 173 AT WILMOT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	29
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



**WILMOT ROAD SOUTH**  
**STAGE IV TYPICAL SECTION**  
 STA. 191+00 TO STA. 200+00



**WILMOT ROAD NORTH**  
**STAGE IV TYPICAL SECTION**  
 STA. 200+00 TO STA. 212+00

**LEGEND**

- ← DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ① TEMPORARY CONCRETE BARRIER
- ② PAVEMENT MARKING TAPE TYPE IV, 4", SOLID WHITE EDGE LINE
- ③ PAVEMENT MARKING TAPE TYPE IV, 4", SOLID DOUBLE YELLOW LINES
- ④ TYPE II BARRICADE OR DRUM WITH LIGHT
- ⑤ DOUBLE VERTICAL PANEL

**NOTES**

1. DURING STAGE IV, TEMPORARY CONCRETE BARRIER SHALL BE PINNED FROM STA. 200+56.5 TO STA. 209+69 (LT).
2. BETWEEN STA. 197+20 AND STA. 199+24 (ADJACENT TO PAVEMENT WIDENING), TEMPORARY WEDGE SHALL BE INSTALLED. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.
3. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.

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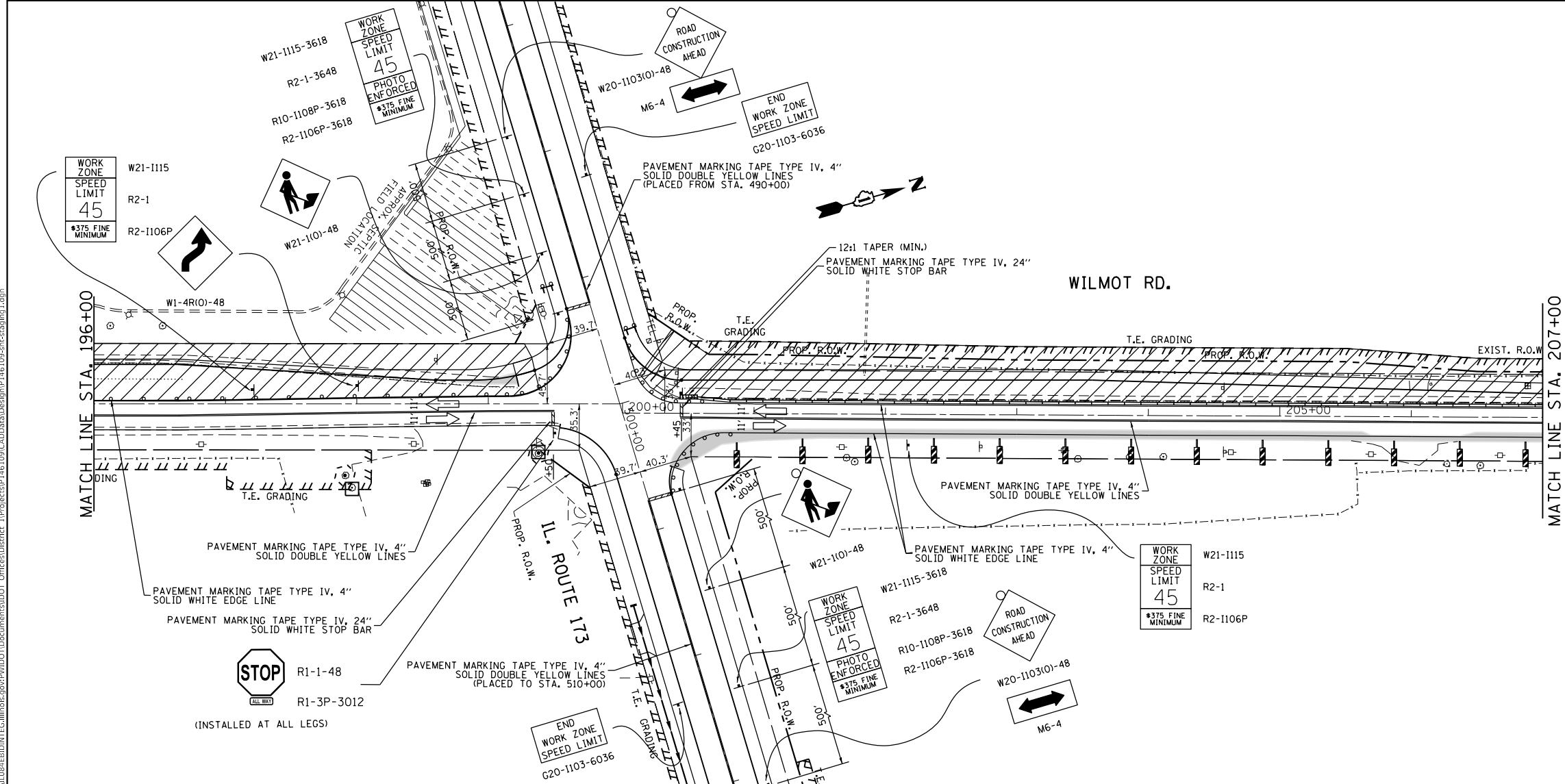
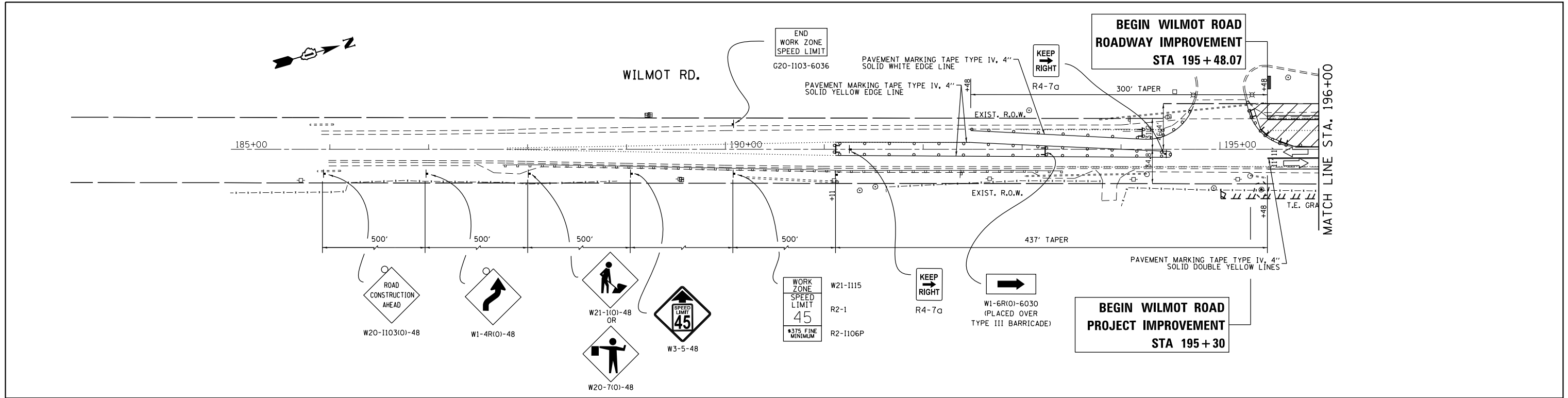
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING TYPICAL SECTIONS**  
**IL. ROUTE 173 AT WILMOT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	30
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



**LEGEND**

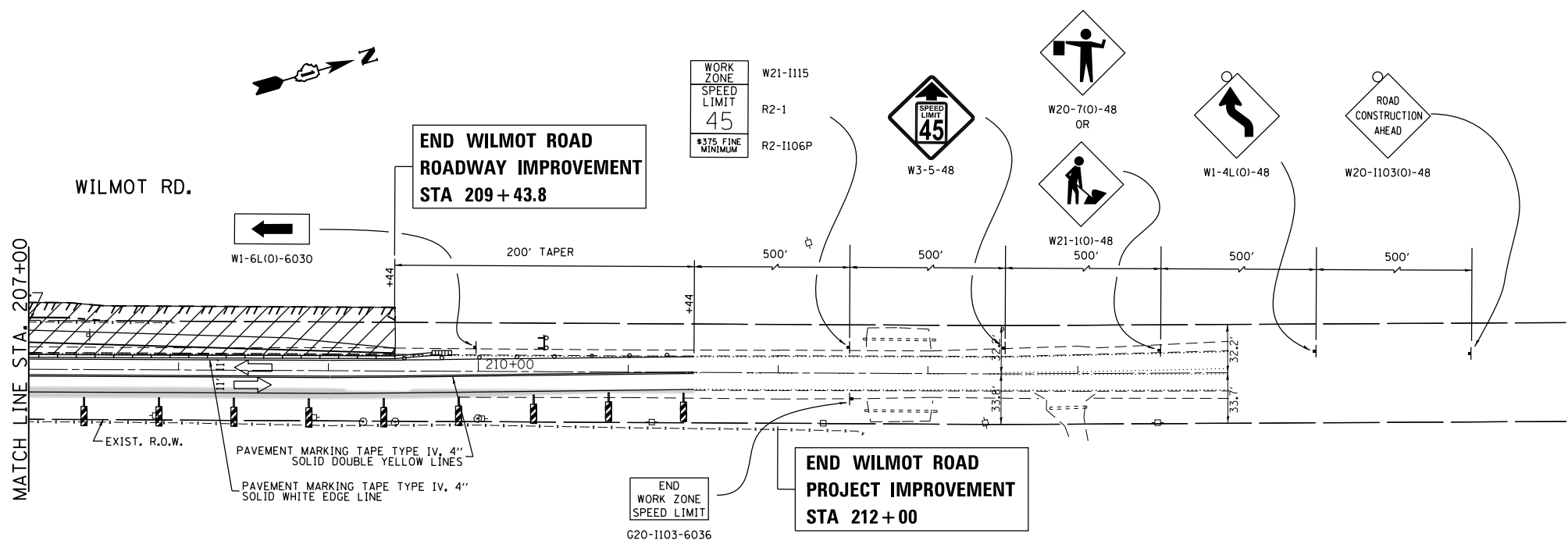
- ▨ WORK AREA
- ← DIRECTION OF TRAFFIC
- ⊥ SIGN
- ▬ DOUBLE VERTICAL PANEL (PLACED AT 50' CENTERS IN TANGENTS WITH THE INSIDE OF THE PANEL A MINIMUM OF 12" FROM THE TEMPORARY PAVEMENT)
- ⊥ TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- ▬ TEMPORARY CONCRETE BARRIER
- ▬ IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- ▬ IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

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**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- SIGN
- DOUBLE VERTICAL PANEL  
(PLACED AT 50' CENTERS IN TANGENTS WITH THE INSIDE OF THE PANEL A MINIMUM OF 12" FROM THE TEMPORARY PAVEMENT)
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(10)-48 AND W20-7(10)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

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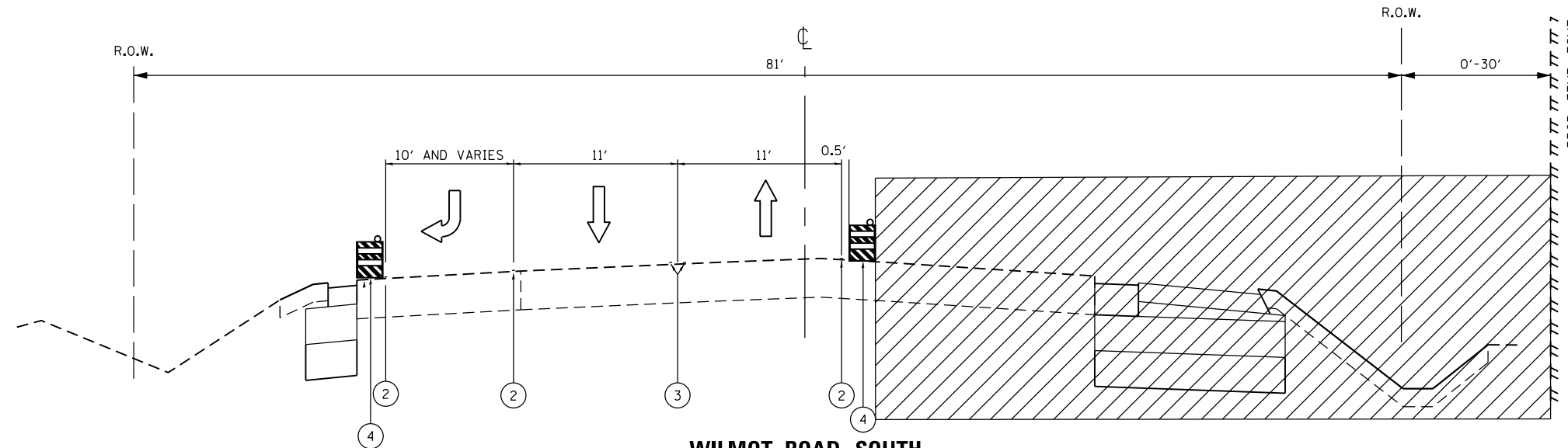
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

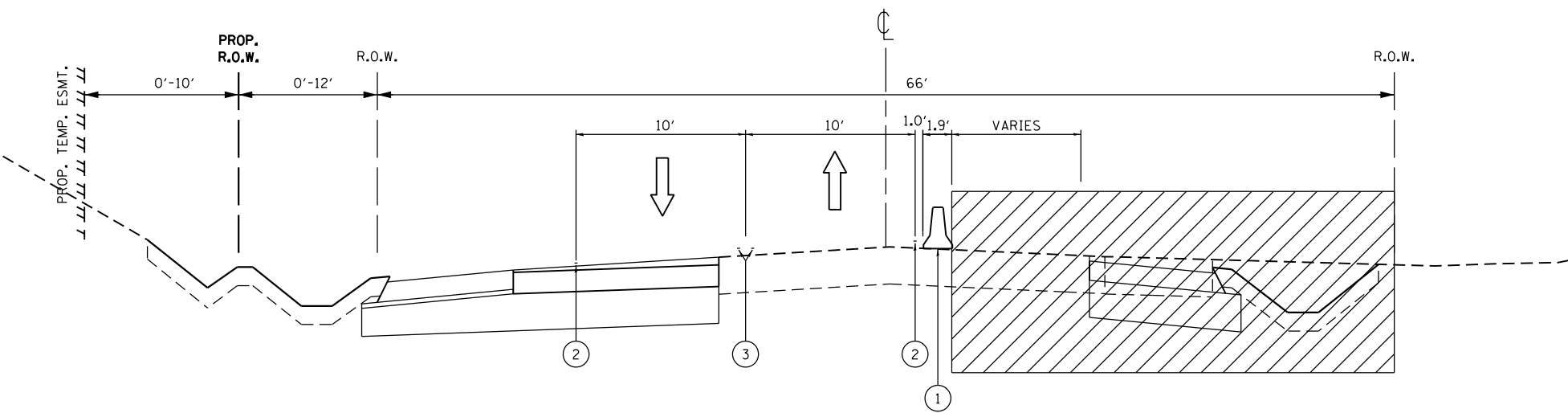
SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 4)			
IL. ROUTE 173 AT WILMOT ROAD			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	32
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				





**WILMOT ROAD SOUTH**  
**STAGE V TYPICAL SECTION**  
 STA. 191+00 TO STA. 200+00



**WILMOT ROAD NORTH**  
**STAGE V TYPICAL SECTION**  
 STA. 200+00 TO STA. 212+00

**LEGEND**

- ← DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ① TEMPORARY CONCRETE BARRIER
- ② PAVEMENT MARKING TAPE TYPE IV, 4", SOLID WHITE EDGE LINE
- ③ PAVEMENT MARKING TAPE TYPE IV, 4", SOLID DOUBLE YELLOW LINES
- ④ TYPE II BARRICADE OR DRUM WITH LIGHT

**NOTES**

1. DURING STAGE V, TEMPORARY CONCRETE BARRIER SHALL BE PINNED FROM STA. 205+44 TO STA. 209+69 (RT).

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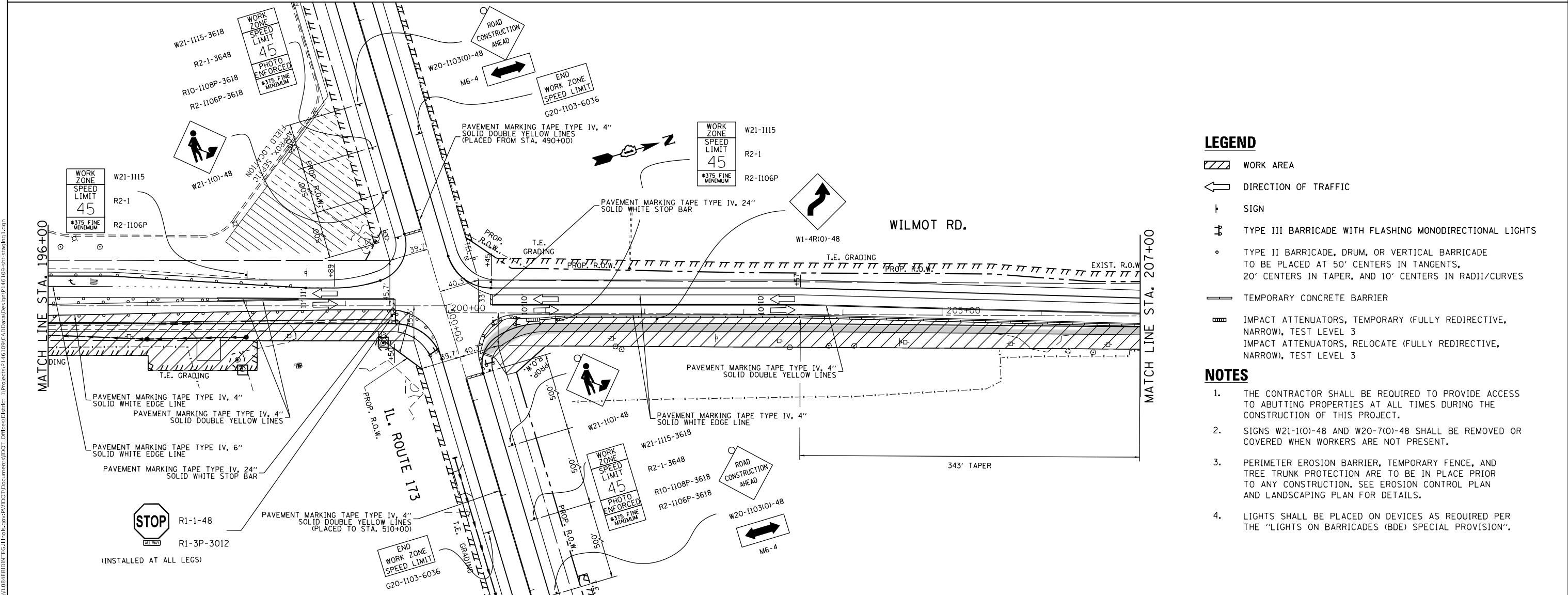
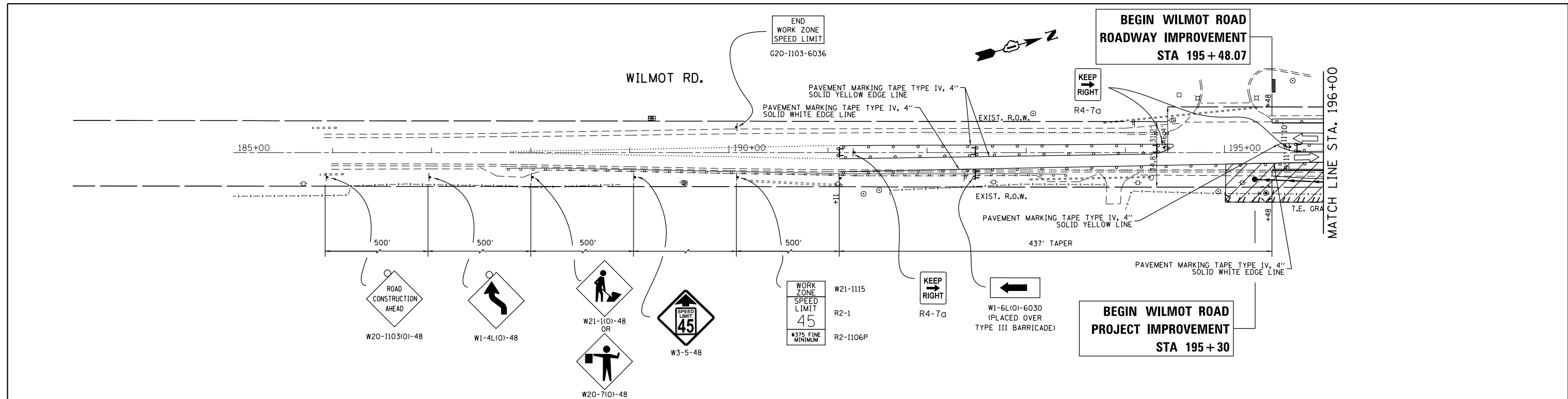
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING TYPICAL SECTIONS**  
**IL. ROUTE 173 AT WILMOT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	33
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



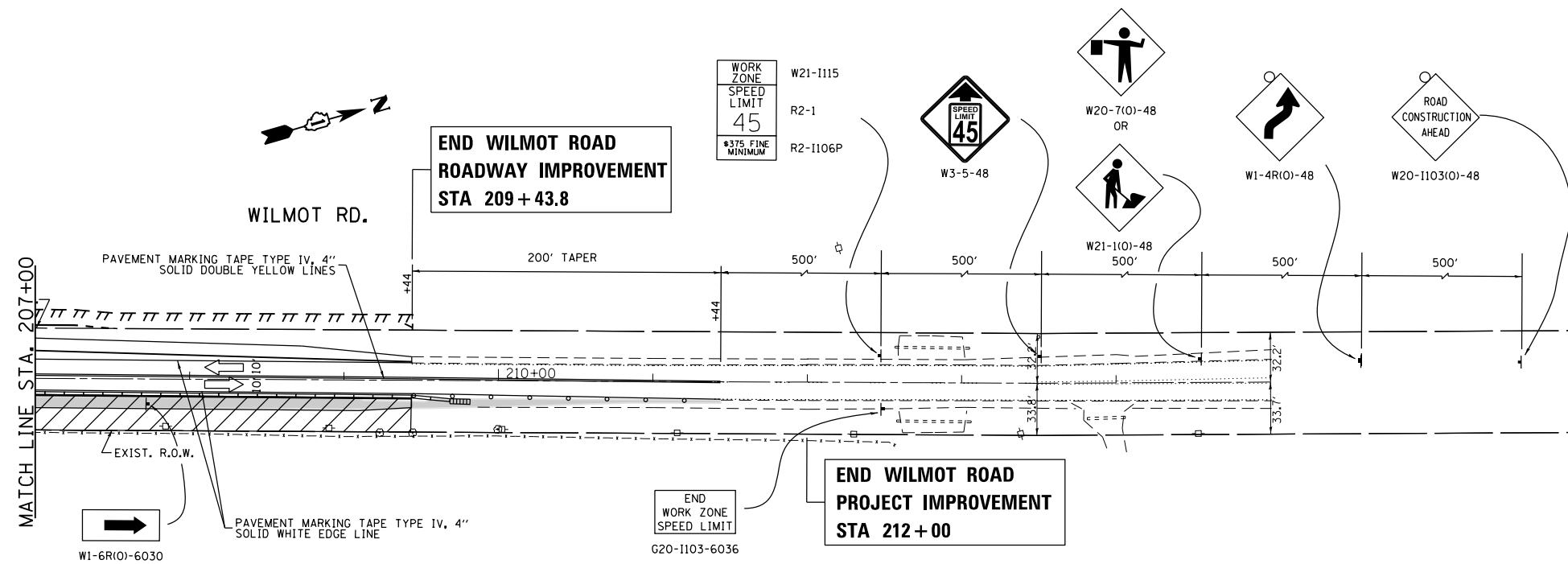
- LEGEND**
- [Hatched Box] WORK AREA
  - [Arrow] DIRECTION OF TRAFFIC
  - [Sign Symbol] SIGN
  - [Barricade Symbol] TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
  - [Barricade Symbol] TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
  - [Barrier Symbol] TEMPORARY CONCRETE BARRIER
  - [Attenuator Symbol] IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3  
IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- NOTES**
1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
  2. SIGNS W21-1(O)-48 AND W20-7(O)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
  3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
  4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

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 OFFICE: CHICAGO  
 DATE: 10/11/2018

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 5)</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>IL. ROUTE 173 AT WILMOT ROAD</b>		303	134N-1	MCHENRY	101	34
SCALE: 1" = 50'		SHEET OF SHEETS		STA. TO STA.	CONTRACT NO. 60T13	
		ILLINOIS		FED. AID PROJECT		



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- SIGN
- ARROW BOARD
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

**NOTES**

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(O)-48 AND W20-7(O)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. PERIMETER EROSION BARRIER, TEMPORARY FENCE, AND TREE TRUNK PROTECTION ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. SEE EROSION CONTROL PLAN AND LANDSCAPING PLAN FOR DETAILS.
4. LIGHTS SHALL BE PLACED ON DEVICES AS REQUIRED PER THE "LIGHTS ON BARRICADES (BDE) SPECIAL PROVISION".

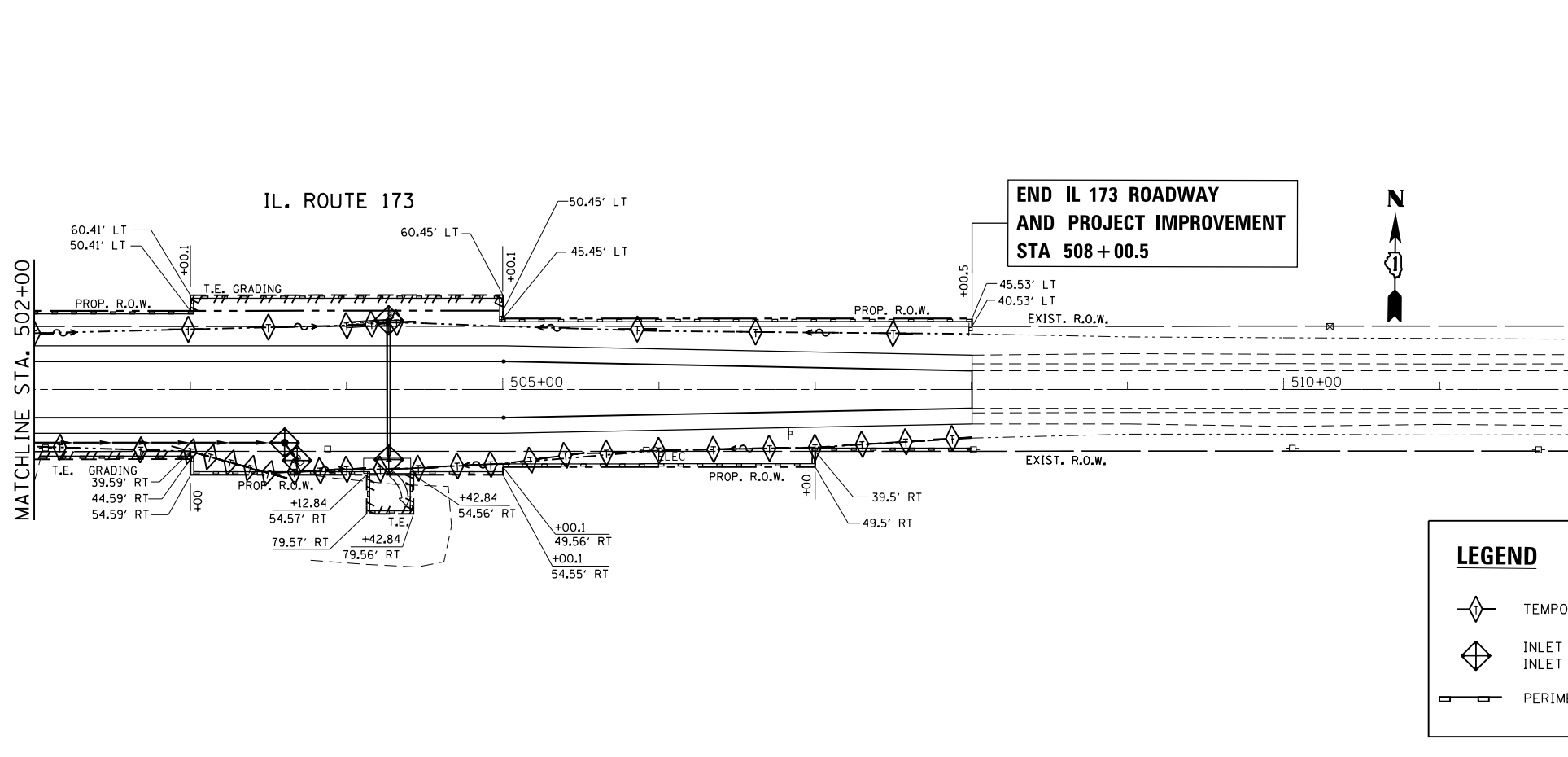
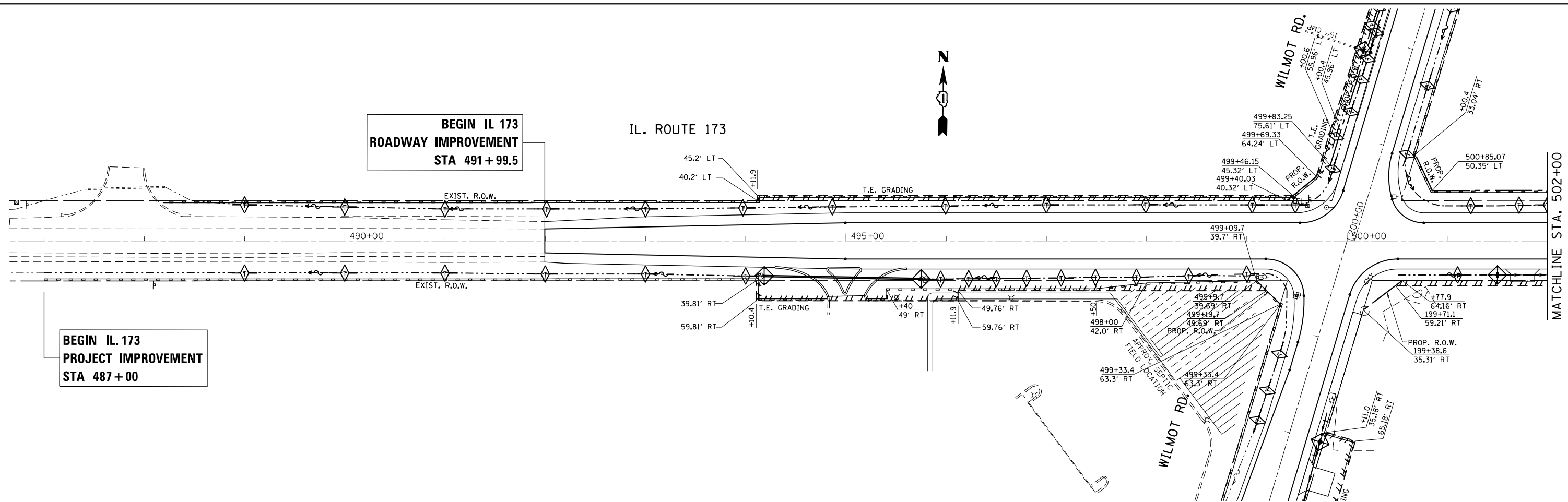
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 5)			
IL. ROUTE 173 AT WILMOT ROAD			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	35
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



**EROSION AND SEDIMENT CONTROL NOTES:**

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.
2. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.
3. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
4. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL OF THE EROSION AND SEDIMENT CONTROL WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EROSION AND SEDIMENT CONTROL FUNCTIONING AS DESIGNED.
5. PERIMETER EROSION BARRIER SHALL BE PLACED 1' FROM THE EXISTING R.O.W. LINE OR AS DIRECTED OTHERWISE BY THE ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET PROTECTION AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
8. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

LEGEND	
	TEMPORARY DITCH CHECK
	INLET FILTERS OR INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

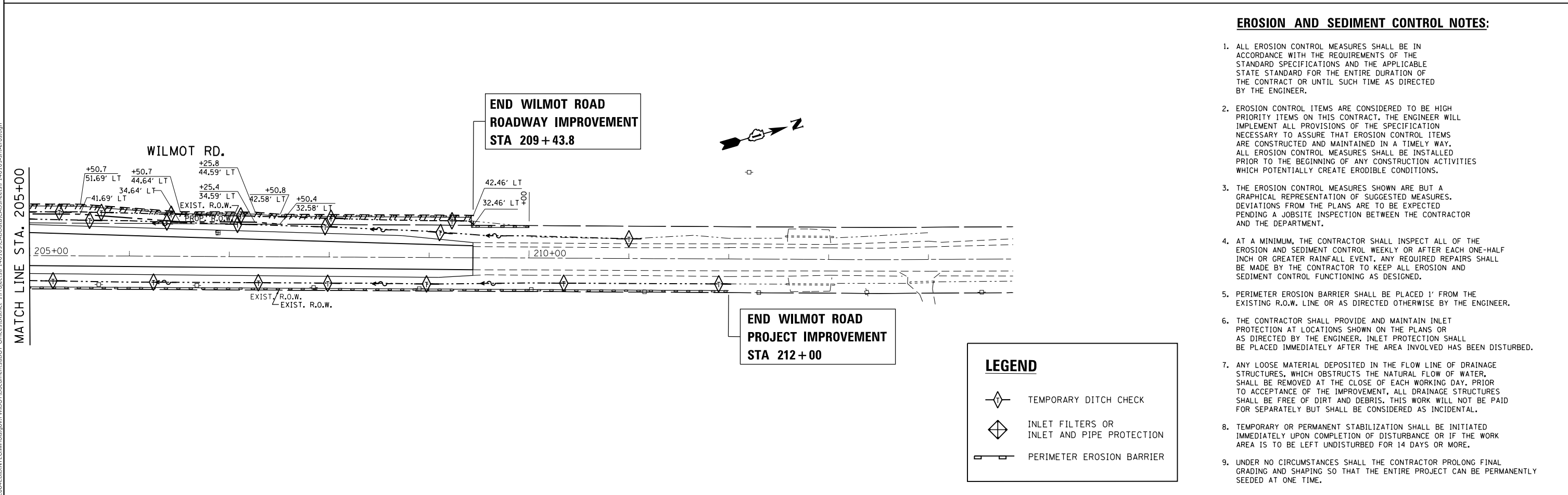
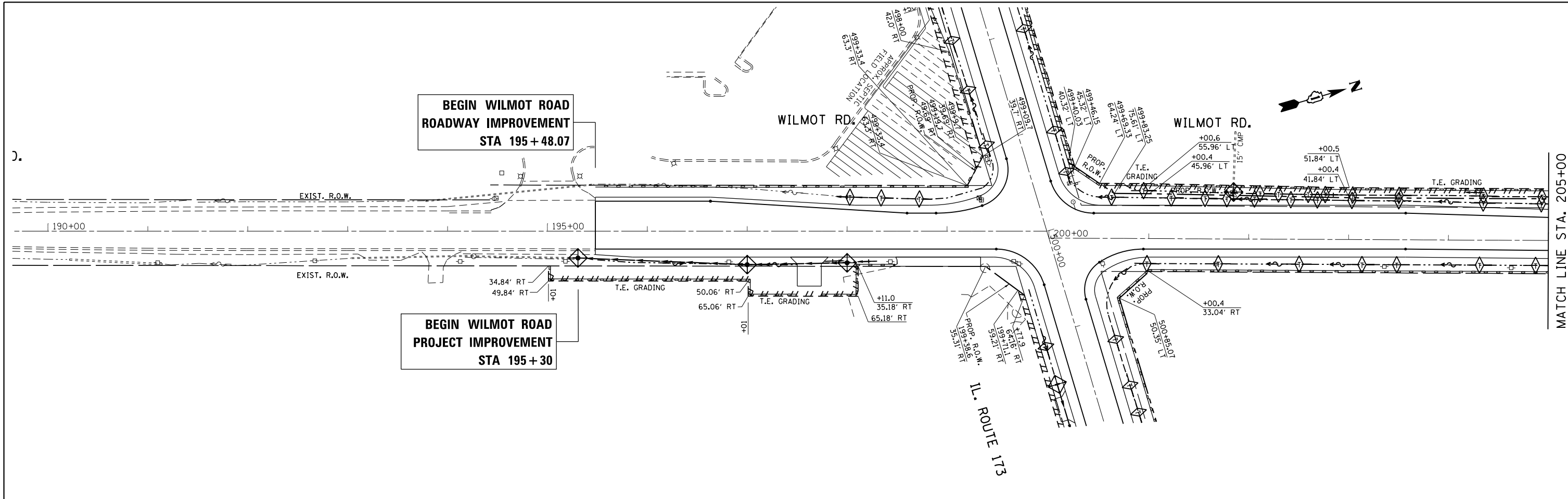
EROSION AND SEDIMENT CONTROL PLAN			
IL. ROUTE 173 AT WILMOT ROAD			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	36

CONTRACT NO. 60T13

ILLINOIS FED. AID PROJECT

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**EROSION AND SEDIMENT CONTROL NOTES:**

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.
2. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.
3. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
4. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL OF THE EROSION AND SEDIMENT CONTROL WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EROSION AND SEDIMENT CONTROL FUNCTIONING AS DESIGNED.
5. PERIMETER EROSION BARRIER SHALL BE PLACED 1' FROM THE EXISTING R.O.W. LINE OR AS DIRECTED OTHERWISE BY THE ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET PROTECTION AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
8. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

**LEGEND**

- TEMPORARY DITCH CHECK
- INLET FILTERS OR INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

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	DATE -	REVISED -

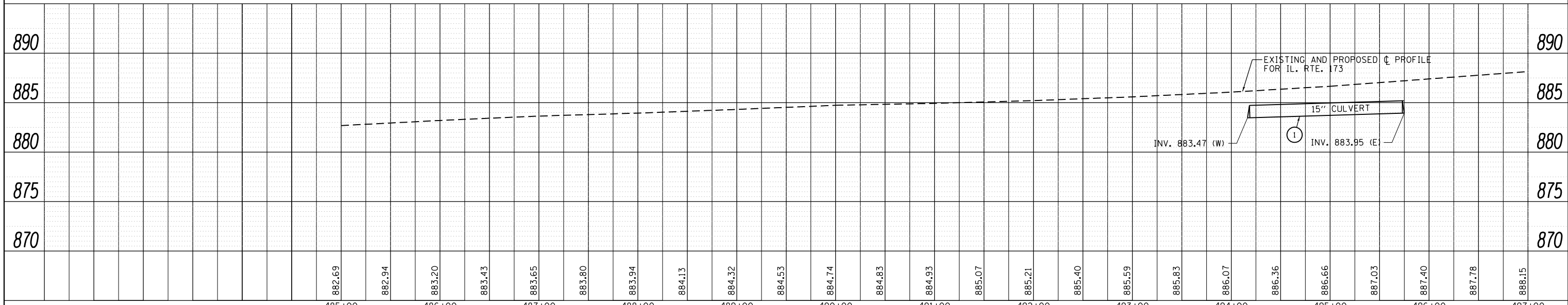
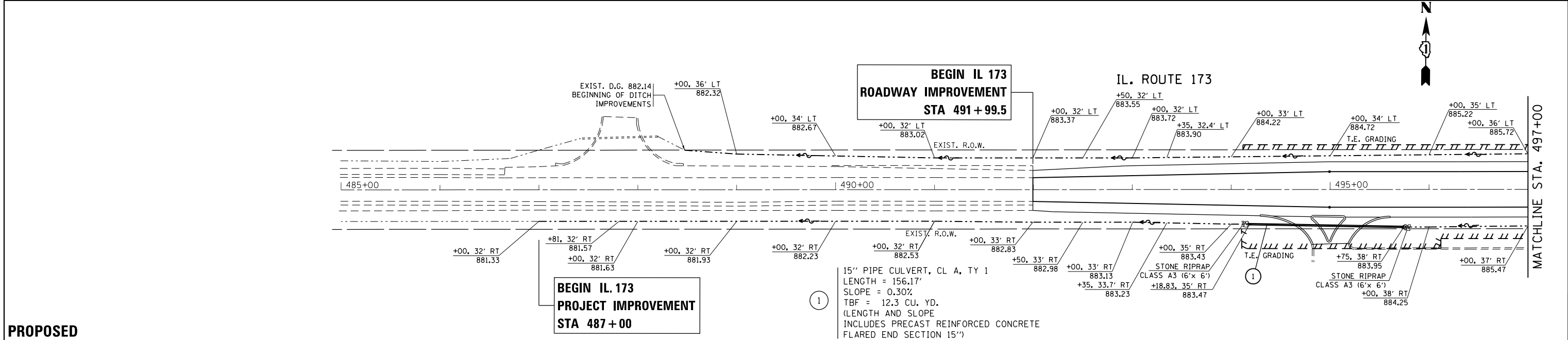
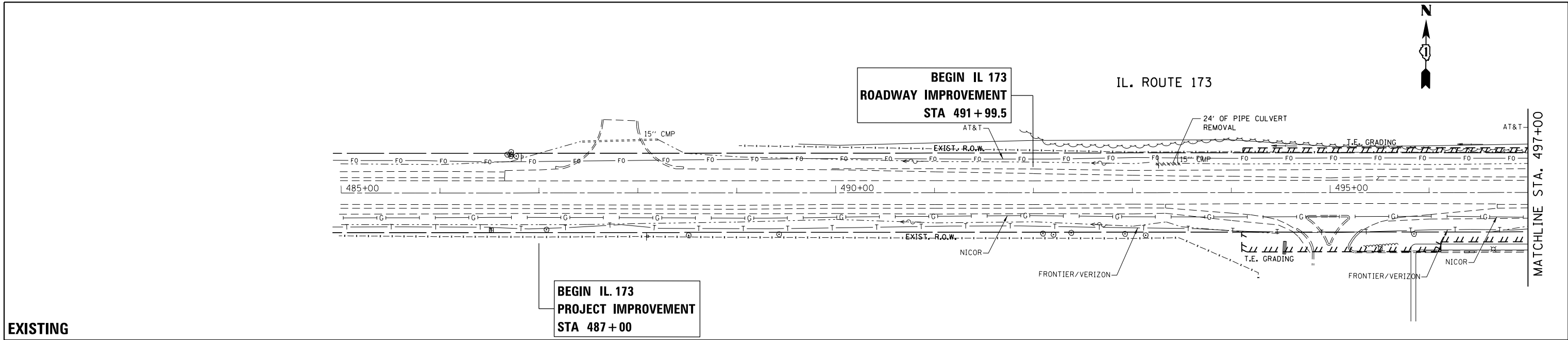
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION AND SEDIMENT CONTROL PLAN</b>	
<b>IL. ROUTE 173 AT WILMOT ROAD</b>	
SCALE: 1"= 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	37
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED -	09-13-18
pwt:\IL\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P146109\DRAWING\CADsheets\P146109-sht-drain.dgn		DRAWN -	REVISED -	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/1/2018	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

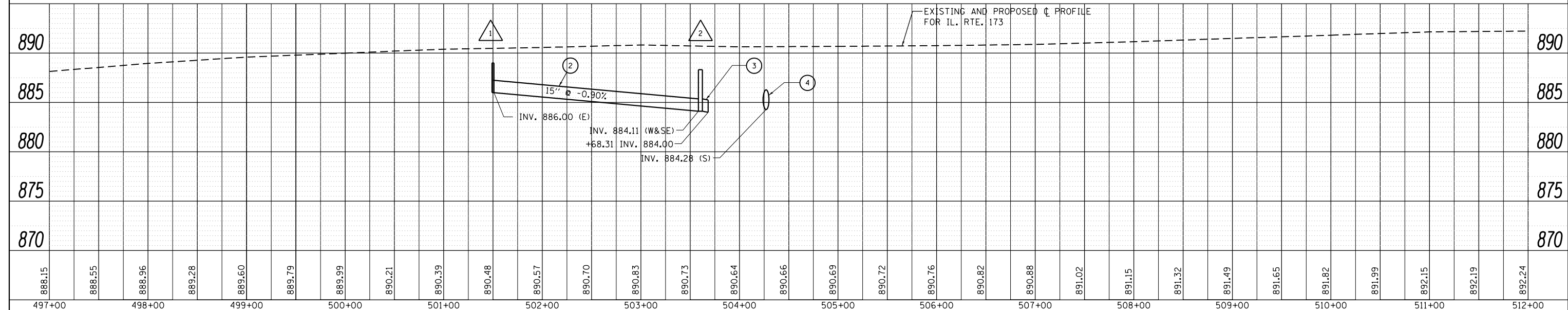
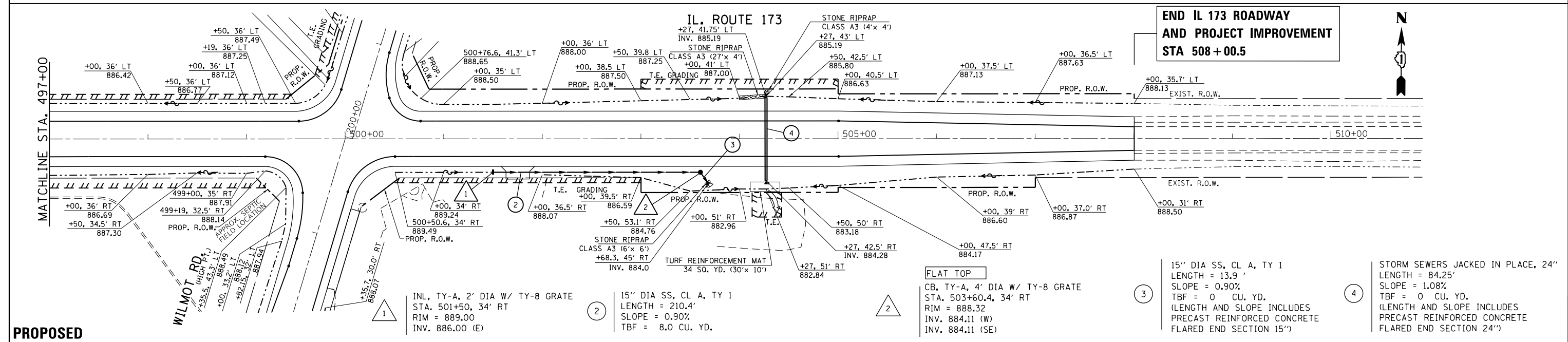
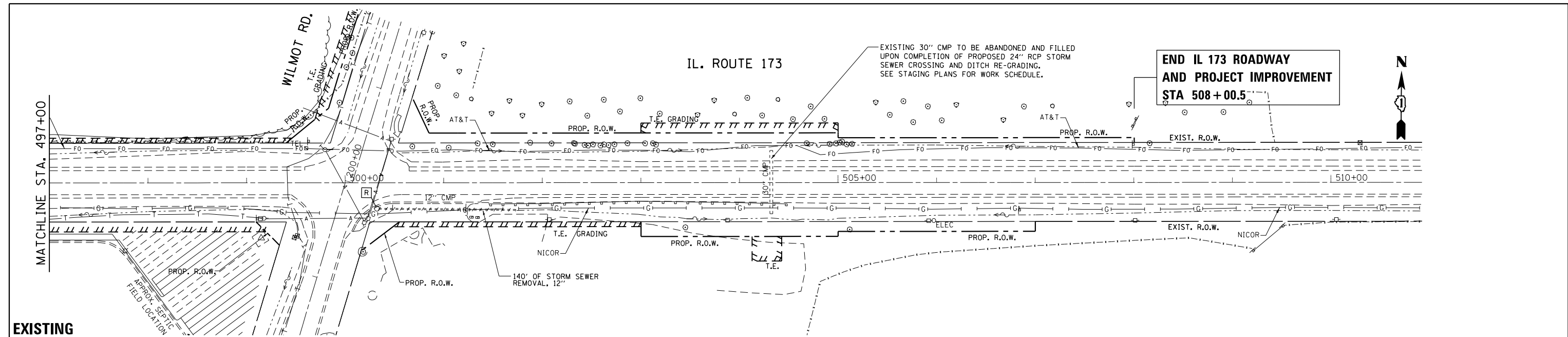
**EXISTING AND PROPOSED DRAINAGE PLAN  
IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1" = 50' SHEET OF SHEETS STA. 482+00.00 TO STA. 497+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	38
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

DATE	BY	SURVEYED	ALIGNED	CHECKED	DESIGNED
		NO.	NO.	NO.	NO.

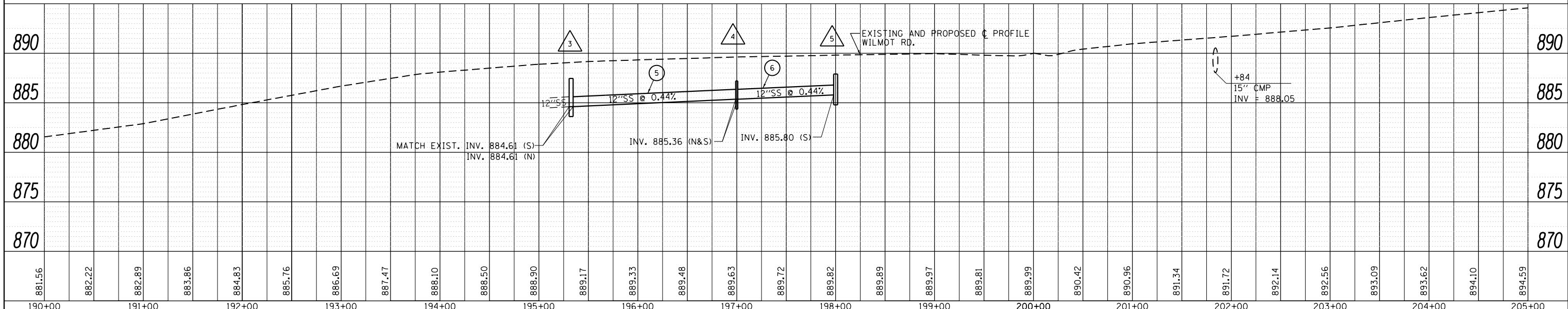
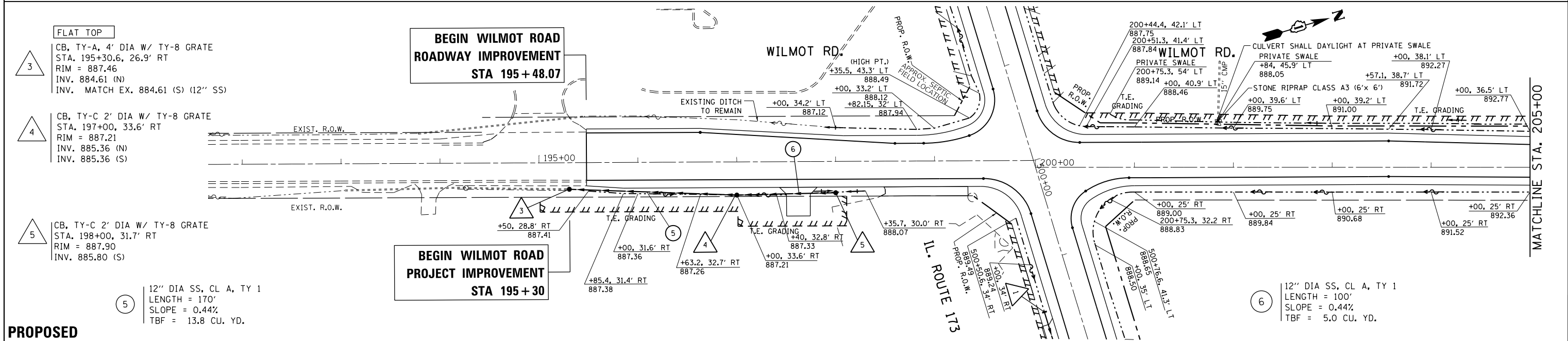
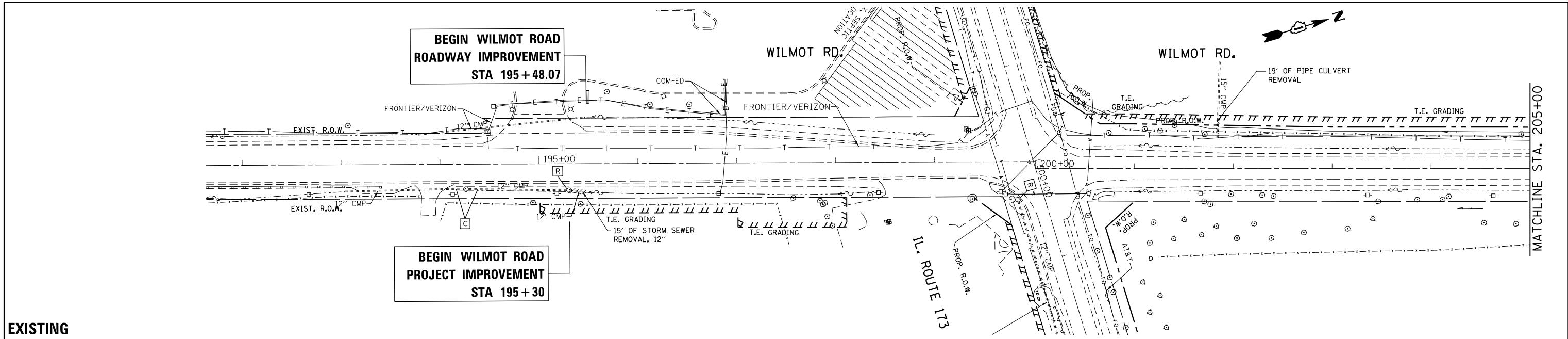
DATE	BY	SURVEYED	GRADES CHECKED	NOTATIONS CHECKED
		NO.	NO.	NO.



FILE NAME =	USER NAME =	DESIGNED -	REVISIONS	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>EXISTING AND PROPOSED DRAINAGE PLAN</b> <b>IL. ROUTE 173 AT WILMOT ROAD</b>	<b>CONTRACT NO. 60T13</b>
pwt:\IL084EBIDINTEG Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P146109\Drawings\CADsheets\P146109-sht-drain.dgn		REVISIONS	F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO. 303 134N-1 MCHENRY 101 39		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	SCALE: 1" = 50' SHEET OF SHEETS STA. 497+00.00 TO STA. 512+00.00		
	PLOT DATE = 10/1/2018	DATE -	ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		

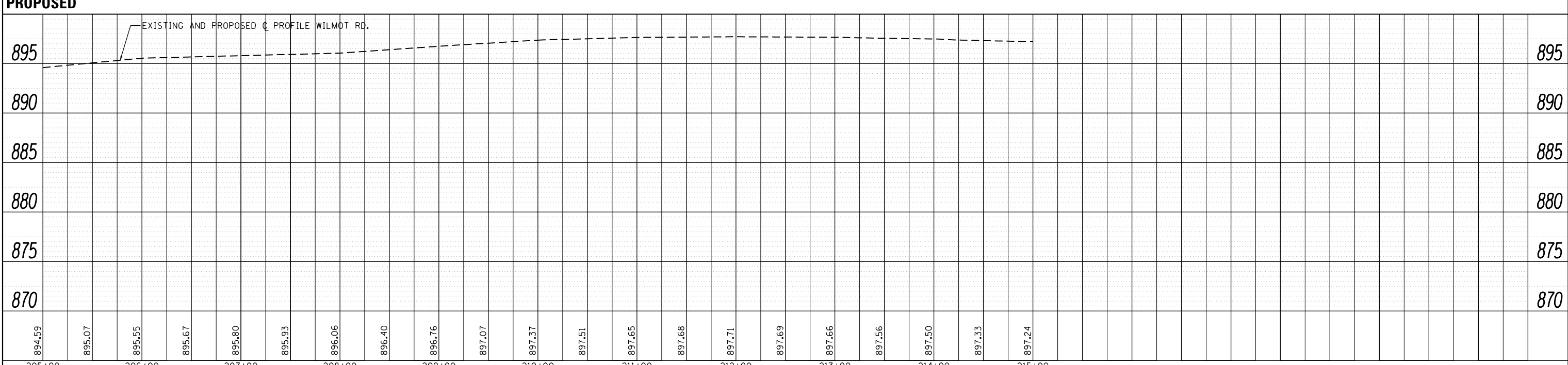
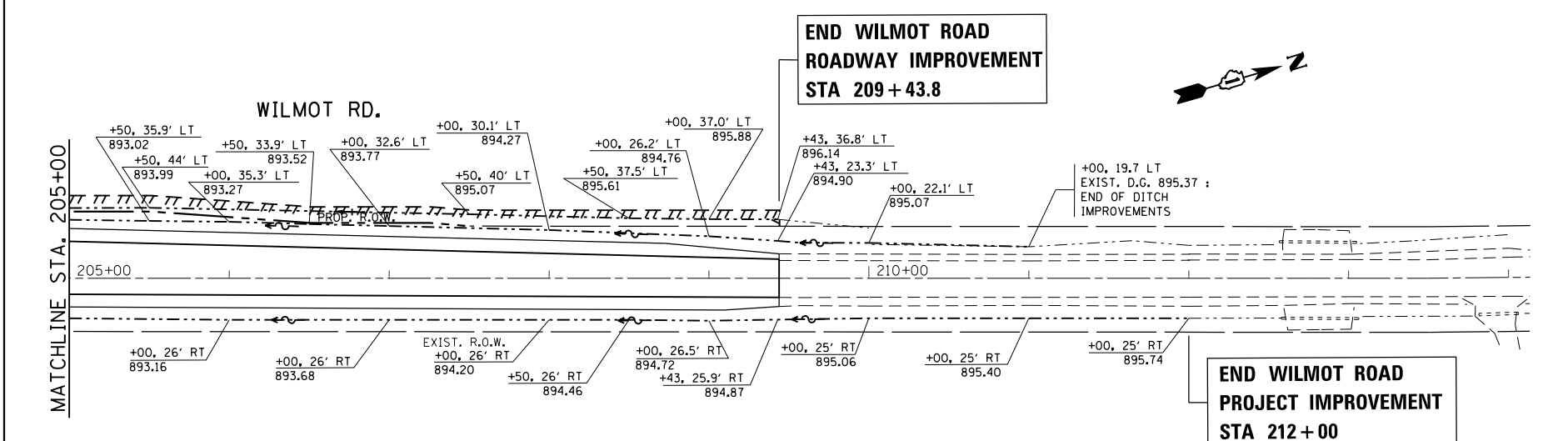
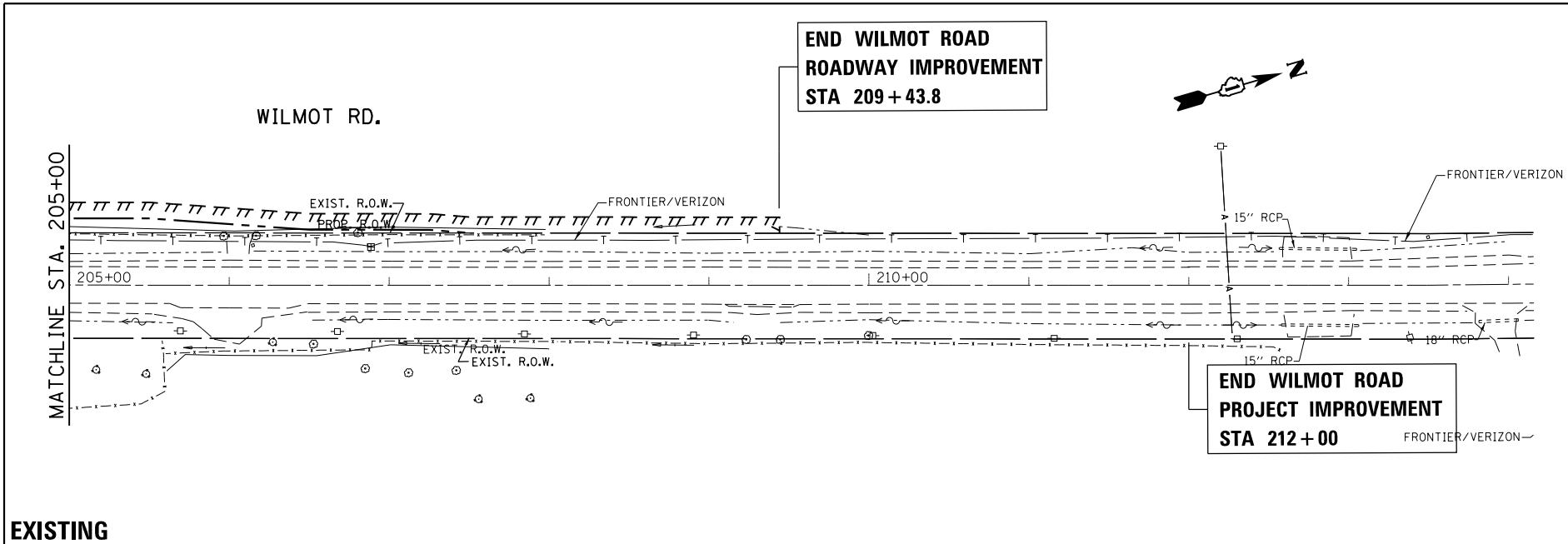


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		EXISTING AND PROPOSED DRAINAGE PLAN IL. ROUTE 173 AT WILMOT ROAD		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\884EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P146109\DRAWING\CAD\Sheets\P146109-sht-drain.dgn	toriaqm	09-13-18	09-13-18					303	134N-1	MCHENRY	101	40
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -									CONTRACT NO. 60713
	PLOT DATE = 10/1/2018	DATE -	REVISED -			SCALE: 1" = 50'		SHEET OF SHEETS		STA. 190+00.00 TO STA. 205+00.00		ILLINOIS FED. AID PROJECT

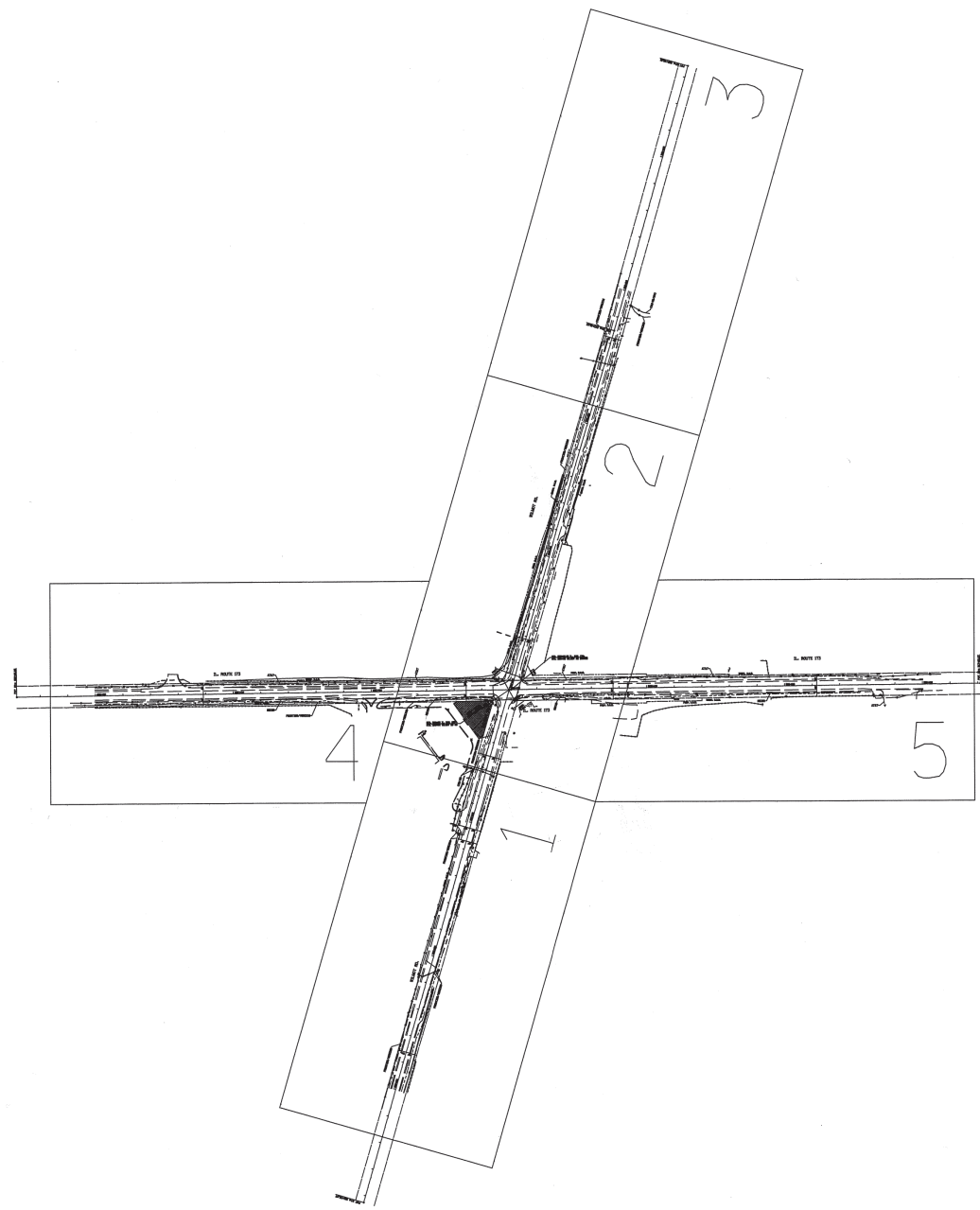


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILE NAME	NO.
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE	NOTATIS CHFD
	NO.	



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED DRAINAGE PLAN</b> <b>IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt:\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P146109\DRAWING\CADsheets\P146109-sht-drain.dgn	DATE = 8/15/2018	CHECKED -	REVISED -			303	134N-1	MCHEMRY	101	41
Default		DATE -	REVISED -			CONTRACT NO. 60713			ILLINOIS FED. AID PROJECT	
						SCALE: 1" = 50'	SHEET OF SHEETS	STA. 205+00.00 TO STA. 220+00.00		

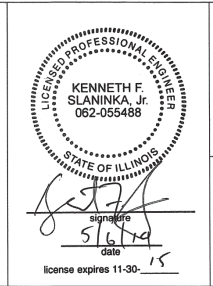


— A — A — A —	AERIAL
- - - - -	UNKNOWN
— CTV — CTV — CTV —	CABLE TV
— T — T — T —	TELEPHONE
— G — G — G —	GAS
— E — E — E —	ELECTRIC
— W — W — W —	WATER
— FO — FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T =	FIBER OPTIC
COM-ED/SVC =	ELELCTRIC
FRONTIER/VERIZON =	TELEPHONE
NICOR =	GAS

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's OL"B" SUE field investigation was performed 4/25/14 through 4/29/14. Changes to utilities after 4/29/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno  
TBE**

**Dynasty Group**  
Engineers & Surveyors

TBE Job No. IL09510605  
SUE Plan Page: Cover

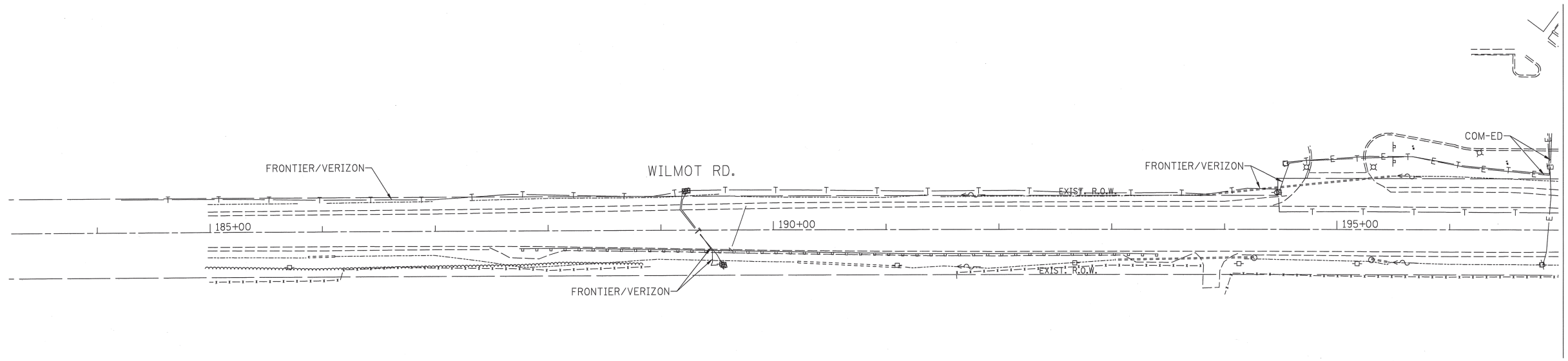
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 Utility Quality Level "B" : Designating/non Visually Verified Test Hole  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	5/05/14	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 173 at Wilmot Road  
Spring Grove, Illinois**

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry	60J39	
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.				

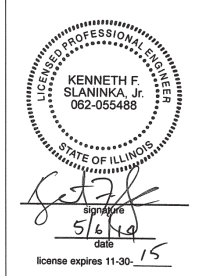
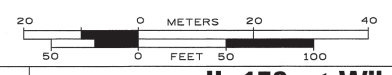


— A — A —	AERIAL
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T = FIBER OPTIC	
COM-ED/SVC = ELECTRIC	
FRONTIER/VERIZON = TELEPHONE	
NICOR = GAS	

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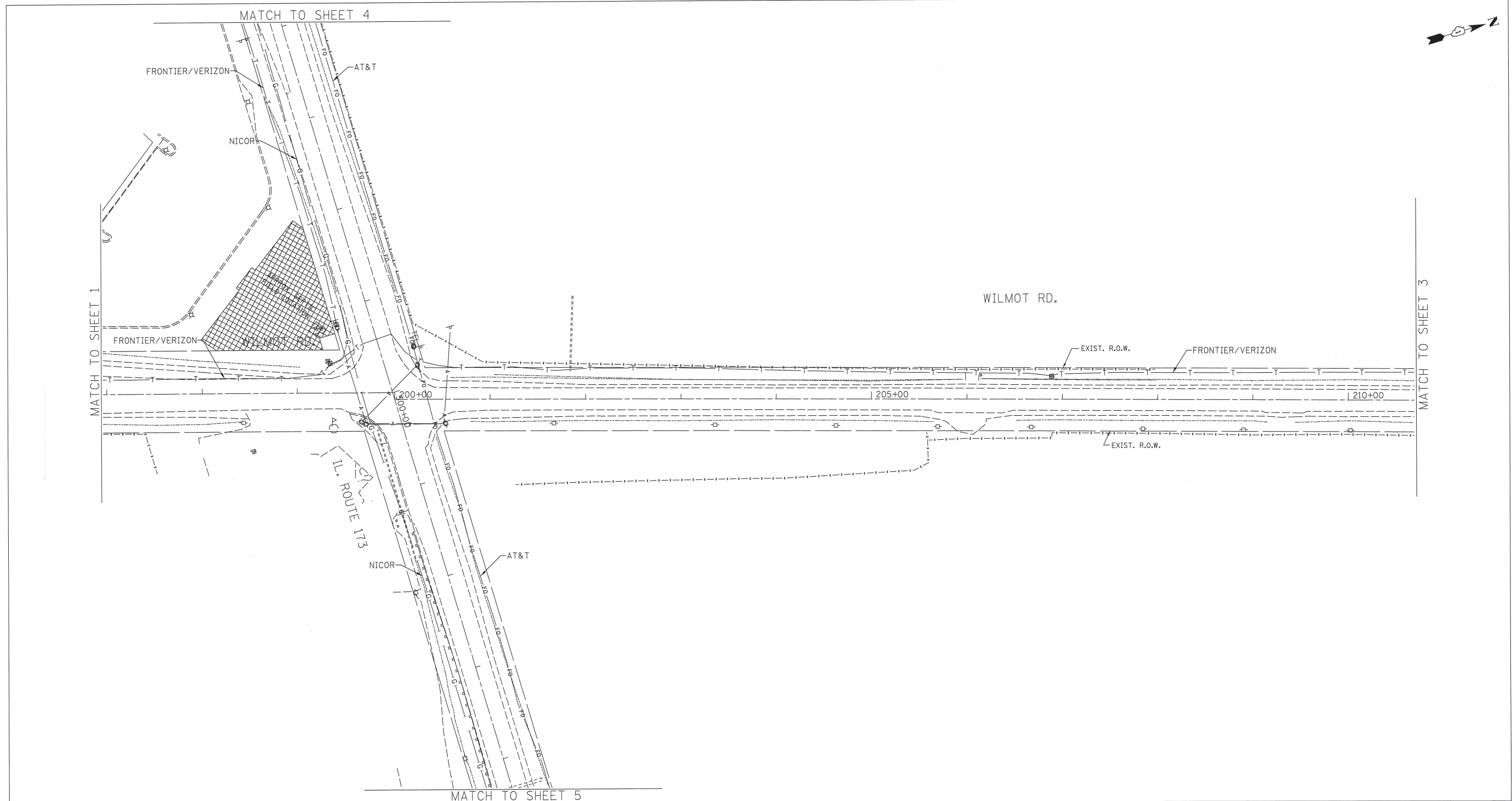
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 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	5/05/14	REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 173 at Wilmot Road  
Spring Grove, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry		
FED. ROAD DIST. No. - ILLINOIS IDOT Project No.			Contract No. 60J39	

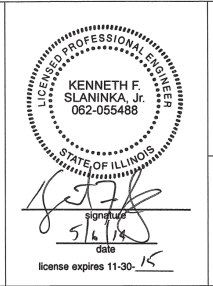


— A — A —	AERIAL
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

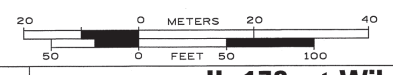
UTILITY OWNERS	
AT&T = FIBER OPTIC	
COM-ED/SVC = ELECTRIC	
FRONTIER/VERIZON = TELEPHONE	
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Engineers & Surveyors  
TBE Job No. IL09510605  
SUE Plan Page: 2 of 5



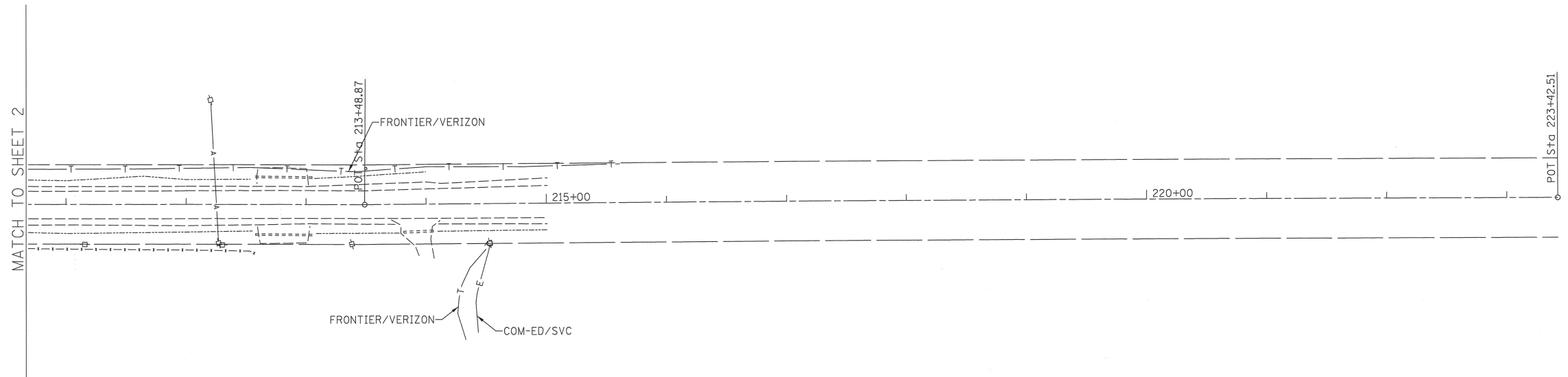
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 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/05/14	REVISED

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

**IL 173 at Wilmot Road**  
**Spring Grove, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry		
FED. ROAD DIST. No. _ ILLINOIS IDOT Project No.			Contract No. 60J39	

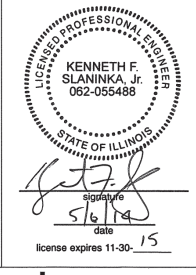
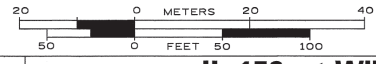


— A —	A	AERIAL
- - - - -	UNKNOWN	
— CTV —	CTV	CABLE TV
— T —	T	TELEPHONE
— G —	G	GAS
— E —	E	ELECTRIC
— W —	W	WATER
— FO —	FO	FIBER OPTIC
⊕		TBE TEST HOLE

UTILITY OWNERS	
AT&T	= FIBER OPTIC
COM-ED/SVC	= ELECTRIC
FRONTIER/VERIZON	= TELEPHONE
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TBE Job No. IL09510605  
SUE Plan Page: 3 of 5

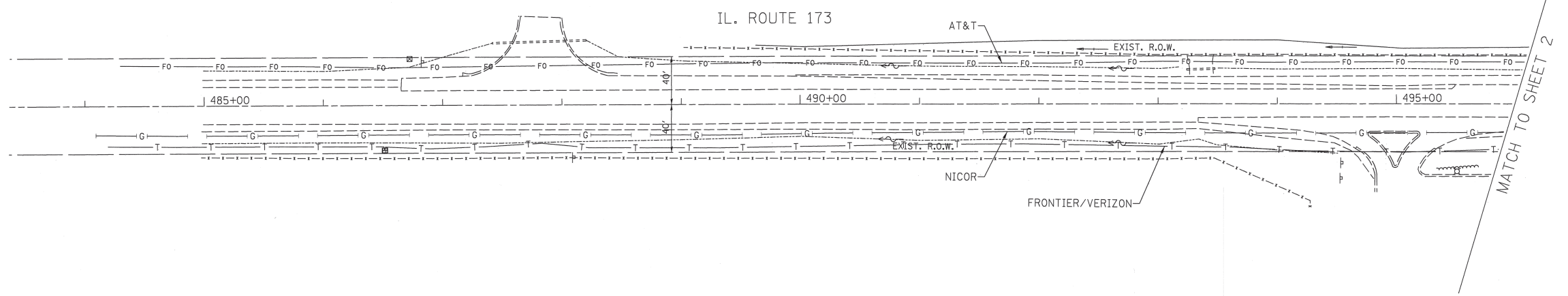
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Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	5/05/14	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 173 at Wilmot Road  
Spring Grove, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry		
Contract No. 60J39				
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				

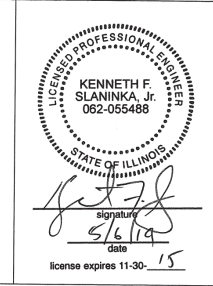
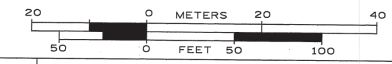


— A — A	AERIAL
- - - - -	UNKNOWN
— CTV — CTV	CABLE TV
— T — T	TELEPHONE
— G — G	GAS
— E — E	ELECTRIC
— W — W	WATER
— FO — FO	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T = FIBER OPTIC	
COM-ED/SVC = ELECTRIC	
FRONTIER/VERIZON = TELEPHONE	
NICOR = GAS	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510605  
SUE Plan Page: 4 of 5

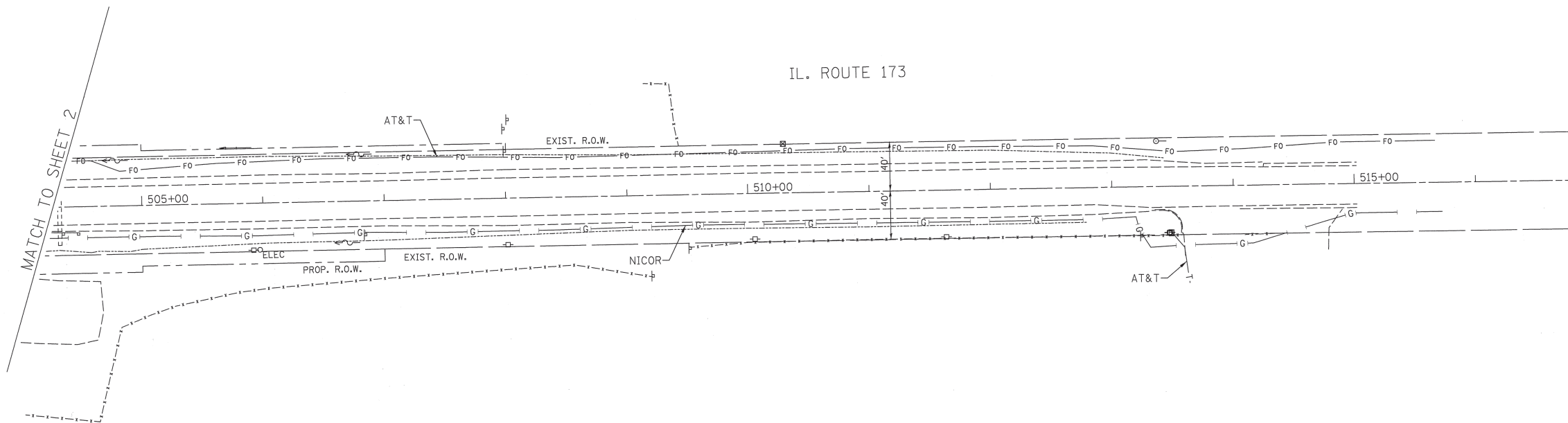
Utility Quality Level "A" : Visually Verified Test Hole	DESIGNED LP	REVISED
Utility Quality Level "B" : Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C" : Research with Survey	CHECKED KFS	REVISED
Utility Quality Level "D" : Records Research	DATE 5/05/14	REVISED

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/05/14	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 173 at Wilmot Road  
Spring Grove, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry		
FED. ROAD DIST. No. - ILLINOIS IDOT Project No.			Contract No. 60J39	



— A — A —	AERIAL
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T =	FIBER OPTIC
COM-ED/SVC =	ELELCTRIC
FRONTIER/VERIZON =	TELEPHONE
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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno  
TBE**

**Dynasty Group**  
Engineers & Surveyors

TBE Job No. IL09510605  
SUE Plan Page: 5 of 5

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	5/05/14	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

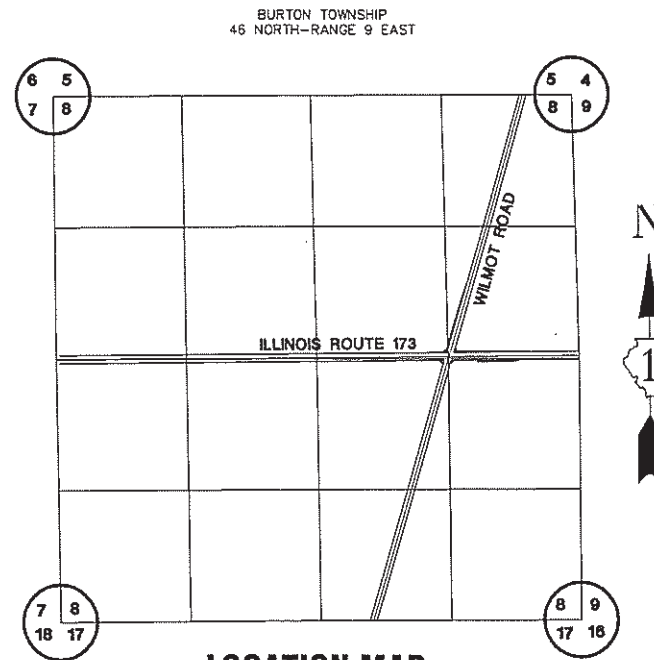
**IL 173 at Wilmot Road  
Spring Grove, Illinois**

F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	McHenry	60J39	
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				

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

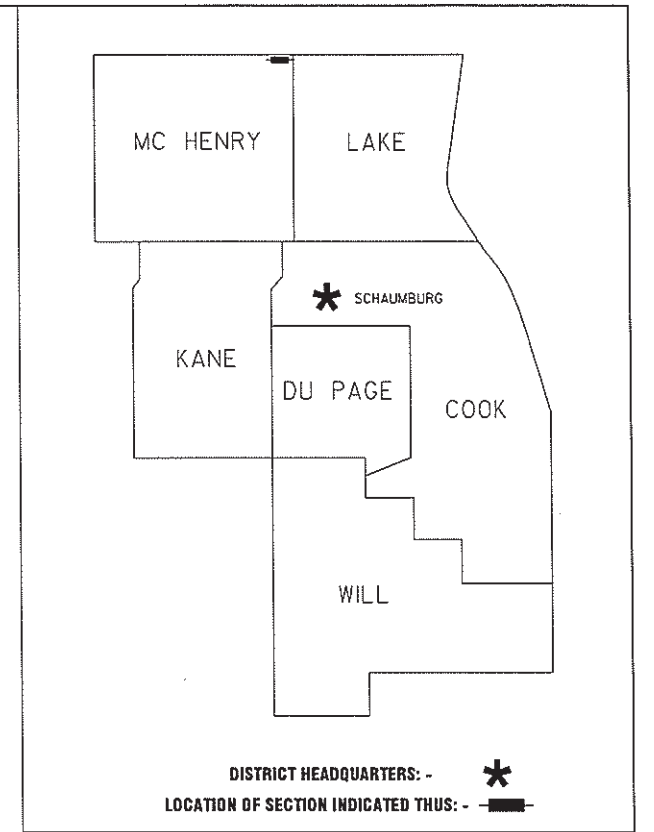
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**SECTION:**  
**COUNTY: McHENRY**  
**LIMITS: AT WILMOT ROAD**  
**JOB NO.: R-91-039-13**

PARCEL No.	OWNER	SHEET NO.	PROPERTY ACQUIRED BY
1KU0001 1KU0001TE-A 1KU0001TE-B	THELEN SAND AND GRAVEL, INC. A DELAWARE CORPORATION	2	
1KU0002 1KU0002TE	THELEN SAND AND GRAVEL, INC. A DELAWARE CORPORATION	5	
1KU0003 1KU0003TE-A 1KU0003TE-B	THELEN SAND AND GRAVEL, INC. A DELAWARE CORPORATION	3	
1KU0004 1KU0004TE	KYLE CHRISTENSEN	3	
1KU0005 1KU0005TE-A 1KU0005TE-B	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE TO AMERICAN NATIONAL BANK AND TRUST COMPANY OF CHICAGO, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED JULY 10, 1995, AND KNOWN AS TRUST NUMBER 120577-09	3	
1KU0006TE	VINCENT RACEINA	4	
1KU0007 1KU0007TE	CHICAGO TRUST COMPANY SUCCESSOR TRUSTEE TO WAYNE HUMMER TRUST COMPANY SUCCESSOR TRUSTEE TO STATE BANK OF THE LAKES, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED FEBRUARY 19, 2002, AND KNOWN AS TRUST NUMBER 2002-105	2	
1KU0008TE	GLACIER PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2	
1KU0009A 1KU0009B 1KU0009TE	THELEN SAND AND GRAVEL, INC. A DELAWARE CORPORATION	5 3 3	



**LOCATION MAP**

GROSS LENGTH = 1,600.92 FT. = 0.30 MILE



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Feb 24, 2014 - 11:47 Dwg Name: P:\00116C\04\04\Drawings\Plat of Highways\01-100116C-SB.dwg Updated By: gblancina

REVISION DATE: 05/02/2018 REVISION MADE BY: W.W.  
 REVISION DATE: 04/27/2018 REVISION MADE BY: W.W.  
 REVISION DATE: 03/02/2018 REVISION MADE BY: B.H.  
 REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/14/2014 REVISION MADE BY: G.P.

**RECEIVED**  
**MAY 03 2018**  
 PLATS & LEGALS



PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1KU0001		1.792			N/A	
1KU0001TE-A	176.471	N/A	1.762	174.679	0.061	05-08-200-004
1KU0001TE-B		N/A			0.015	
1KU0007	4.744	0.296	0.288	4.448	N/A	05-08-400-027
1KU0007TE		N/A			0.148	
1KU0008TE	175.554	N/A	N/A	N/A	0.014	05-08-400-026

**LEGEND**

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES, REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

SECTION CORNER (9/10 16/15)

QUARTER SECTION CORNER (16 15)

SECTION LINE

QUARTER SECTION LINE

QUARTER, QUARTER SECTION LINE

PLATTED LOT LINE

PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE

CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

PROPOSED EASEMENT

MEASURED DIMENSION

COMPUTED DIMENSION

RECORD DATA

EXISTING BUILDING

PK NAIL SET

REPLACED AFTER CONSTRUCTION

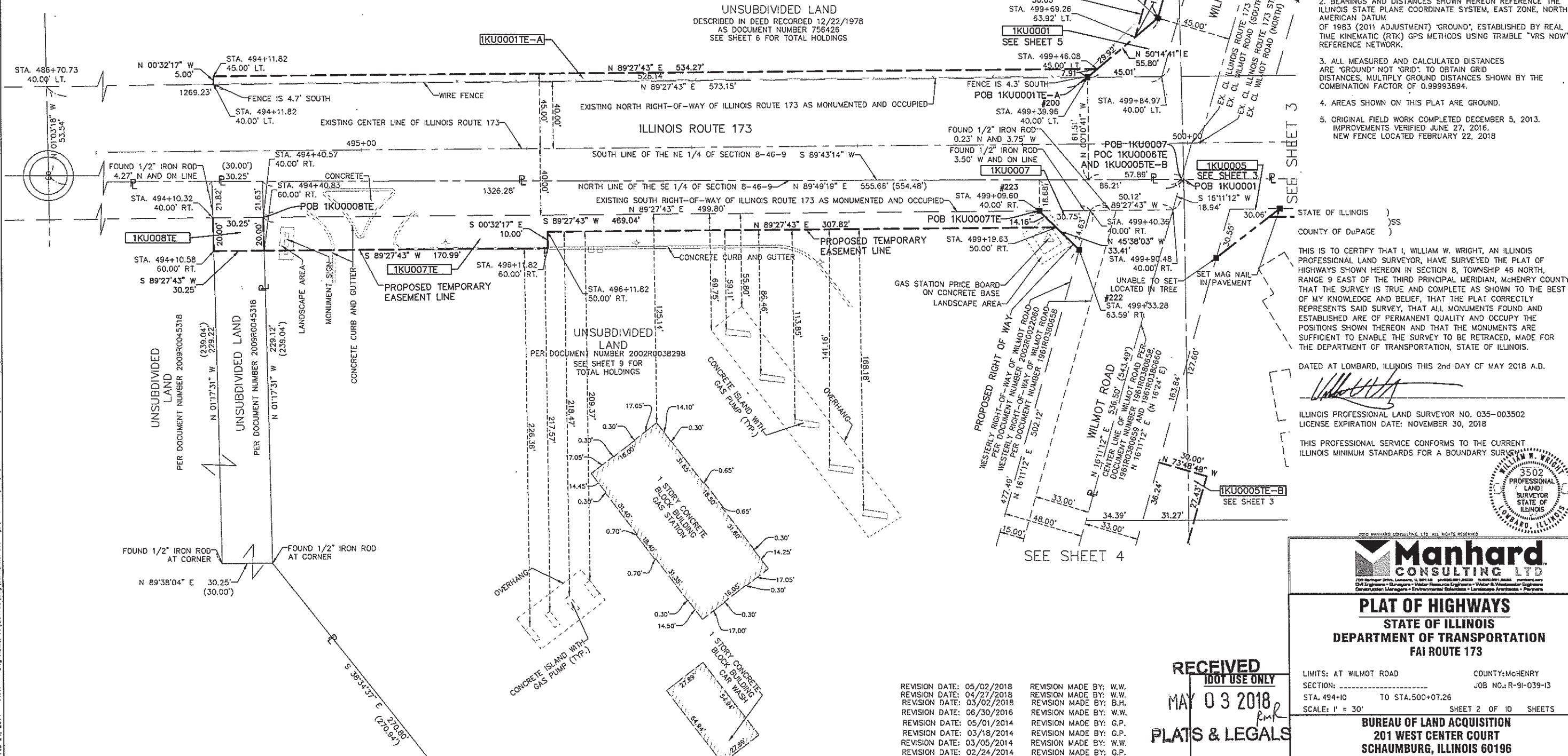
SEE SHEET 5

0 30' 60' 120'

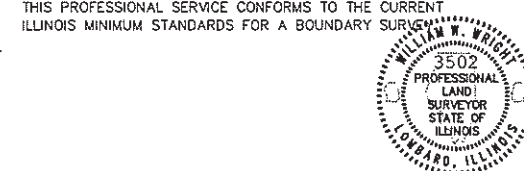
1" = 30'

**NOTES:**

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
- ALL MEASURED AND CALCULATED DISTANCES ARE "GROUND" NOT "GRID". TO OBTAIN GRID DISTANCES, MULTIPLY GROUND DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99993694.
- AREAS SHOWN ON THIS PLAT ARE GROUND.
- ORIGINAL FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 27, 2016. NEW FENCE LOCATED FEBRUARY 22, 2018



Dwg Name: F:\001160\Draws\Survey\Final Drawings\Plat of Highways\03-1001160-36.dwg Updated By: gplasmak  
 Feb 24, 2014 - 11:47



**Manhard CONSULTING LTD**

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 173

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: COUNTY: McHENRY JOB NO.: R-91-039-13  
 STA. 494+10 TO STA. 500+07.26  
 SCALE: 1" = 30' SHEET 2 OF 10 SHEETS

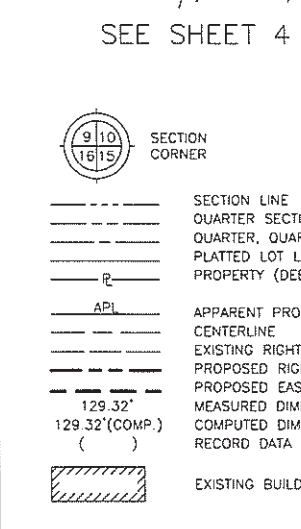
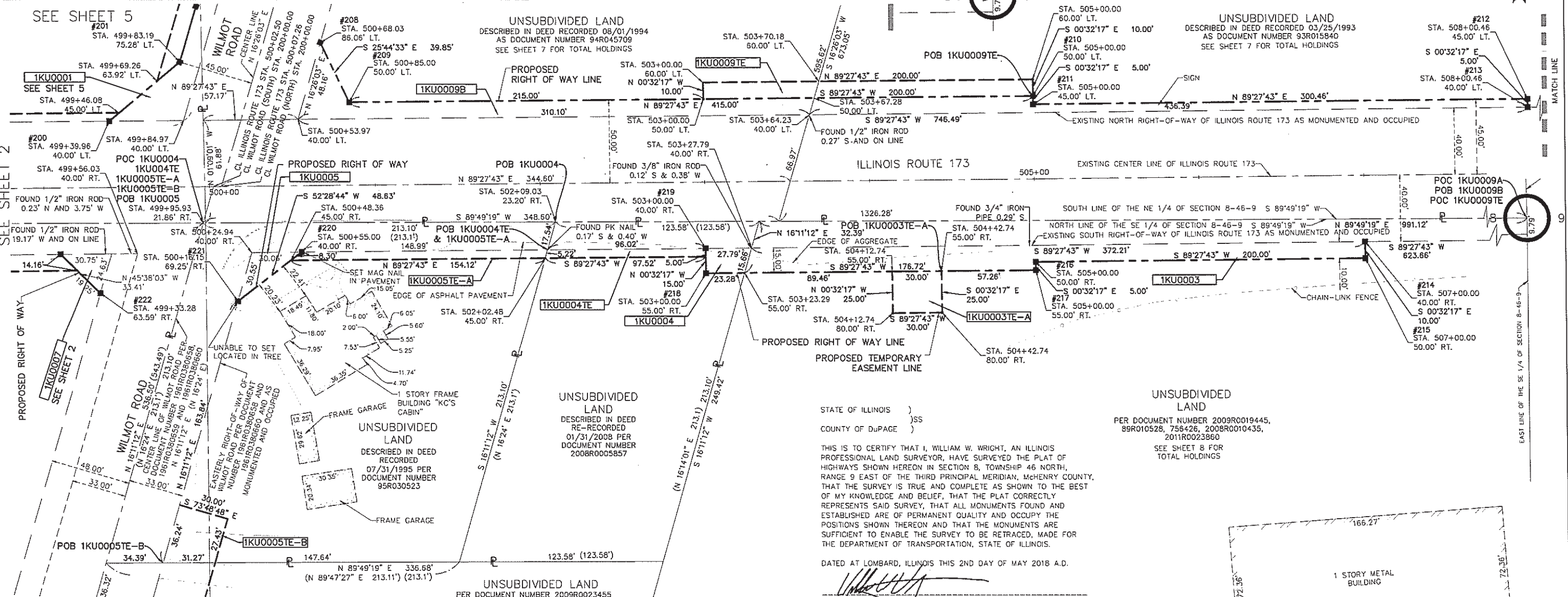
**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196

**RECEIVED**  
**DO NOT USE ONLY**  
 MAY 03 2018  
**PLATS & LEGALS**

REVISION DATE: 05/02/2018 REVISION MADE BY: W.W.  
 REVISION DATE: 04/27/2018 REVISION MADE BY: W.W.  
 REVISION DATE: 03/02/2018 REVISION MADE BY: B.H.  
 REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 05/01/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
 REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

PARCEL No.	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1KU0003	101.474	0.401	0.295	101.073	N/A	05-08-400-003,004, 009-011,019,022, 024,034,035 & 037
1KU0003TE-A		N/A	N/A	N/A	0.017	
1KU0004	0.580	0.055	0.047	0.525	N/A	05-08-400-031
1KU0004TE		N/A	N/A	N/A	0.011	
1KU0005	1.000	0.243	0.233	0.757	N/A	05-08-400-002
1KU0005TE-A		N/A	N/A	N/A	0.017	
1KU0005TE-B	N/A	N/A	N/A	N/A	0.022	
1KU0009B	55.188	2.159	2.011	53.029	N/A	05-08-200-006 & 05-08-200-007
1KU0009TE		N/A	N/A	N/A	0.046	



LEGEND

- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- ◇ LIGHT STANDARD
- ◇ P.O.B. = POINT OF BEGINNING
- ◇ P.O.C. = POINT OF COMMENCEMENT
- ⊙ PK NAIL SET
- REPLACED AFTER CONSTRUCTION

STATE OF ILLINOIS )  
 COUNTY OF DuPAGE )

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 2ND DAY OF MAY 2018 A.D.

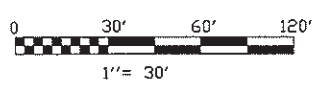
WILLIAM W. WRIGHT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

- NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GROUND" NOT "GRID". TO OBTAIN GRID DISTANCES, MULTIPLY GROUND DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99993894.
  - AREAS SHOWN ON THIS PLAT ARE FACTOR.
  - FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 27, 2016.

REVISION DATE: 05/02/2018 REVISION MADE BY: W.W.  
 REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
 REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

RECEIVED  
 IDOT USE ONLY  
 MAY 03 2018  
 PLATS & LEGALS



IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

**Manhard CONSULTING LTD**  
 700 Bridge Drive, Lombard, IL 60148  
 630-261-8800  
 Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers  
 Construction Managers • Environmental Engineers • Landscape Architects • Planners

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 173

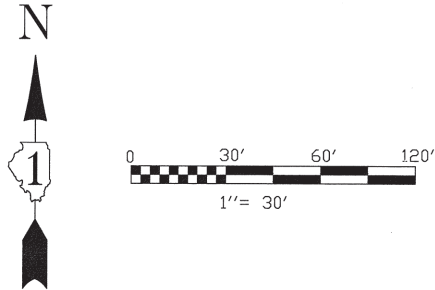
LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: TO STA. 508+00.46 JOB NO.: R-9I-039-13  
 STA. 500+07.26 TO STA. 508+00.46  
 SCALE: 1" = 30' SHEET 3 OF 10 SHEETS

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

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

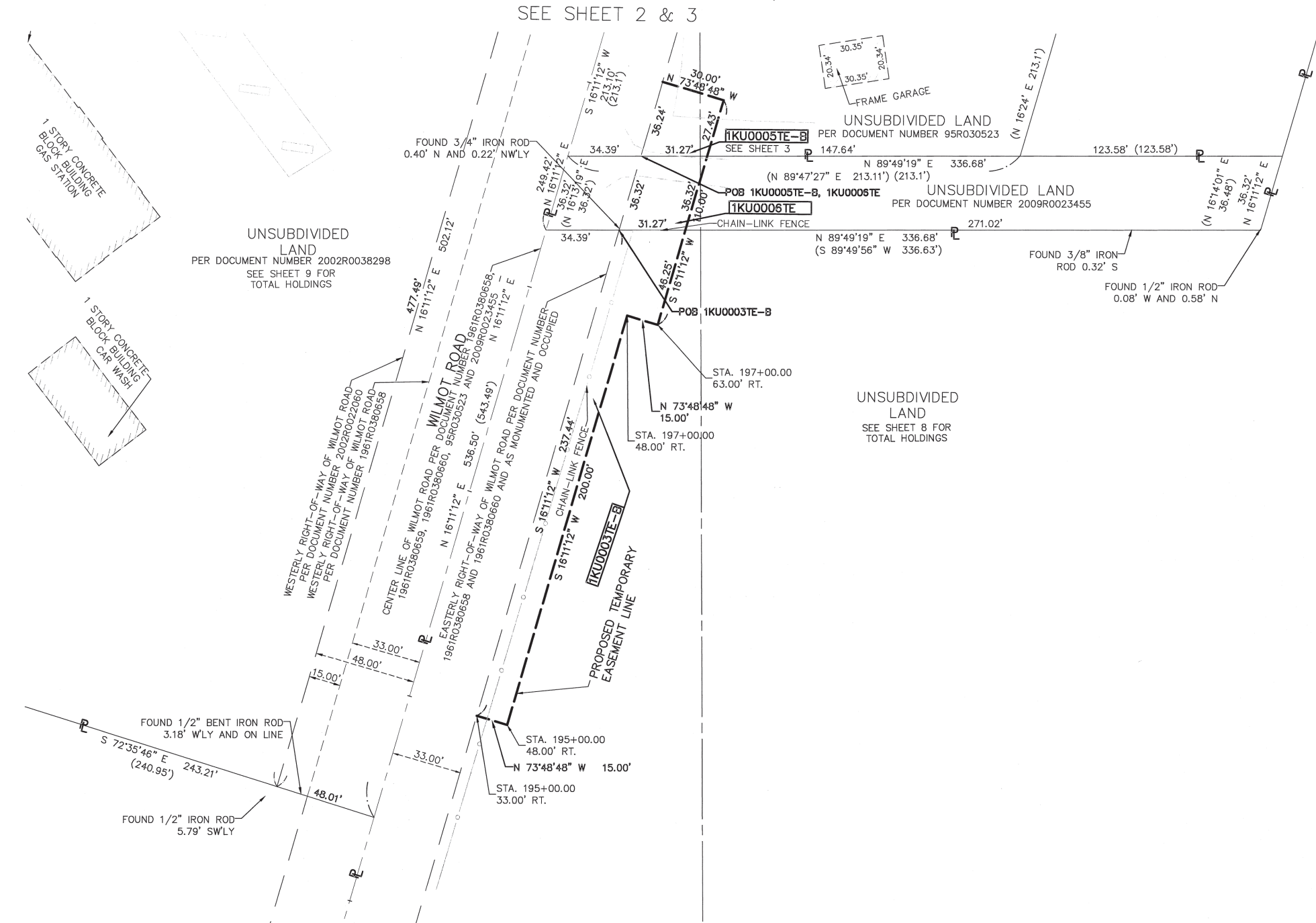
PARCEL No.	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	AREA IN EXISTING R.O.W (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1KU0003TE-B	N/A	N/A	N/A	N/A	0.098	05-08-400-034
1KU0006TE	0.269	N/A	0.028	0.269	0.025	05-08-400-036

- NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND"; ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
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  - AREAS SHOWN ON THIS PLAT ARE GROUND.
  - FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 27, 2016. FENCE LOCATED FEBRUARY 22, 2018.



**LEGEND**

	SECTION CORNER		QUARTER SECTION CORNER
	SECTION LINE		QUARTER SECTION LINE
	PLATTED LOT LINE		PROPERTY (DEED) LINE
	APPL		CENTERLINE
	EXISTING RIGHT OF WAY LINE		PROPOSED RIGHT OF WAY LINE
	PROPOSED EASEMENT		MEASURED DIMENSION
	COMPUTED DIMENSION		RECORD DATA
	EXISTING BUILDING		IRON ROD SET
	IRON PIPE OR ROD FOUND		PK NAIL SET
	CUT CROSS FOUND OR SET		REPLACED AFTER CONSTRUCTION
	T1		T2
	T3		BT1
	BT2		BT3
	STAKING OF PROPOSED RIGHT OF WAY		STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
	PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)		RIGHT OF WAY STAKING PROPOSED TO BE SET
	LIGHT STANDARD		P.O.B. = POINT OF BEGINNING
	P.O.C. = POINT OF COMMENCEMENT		



STATE OF ILLINOIS )  
COUNTY OF DuPAGE )SS

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 27TH DAY OF APRIL 2018 A.D.

*William W. Wright*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003502  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAI ROUTE 173

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
SECTION: COUNTY: McHENRY  
JOB NO.: R-9I-039-13  
STA. 195+00.00 TO STA. 198+10.00  
SCALE: 1" = 30'

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

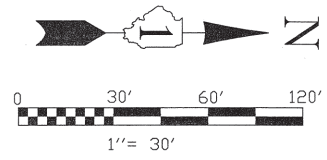
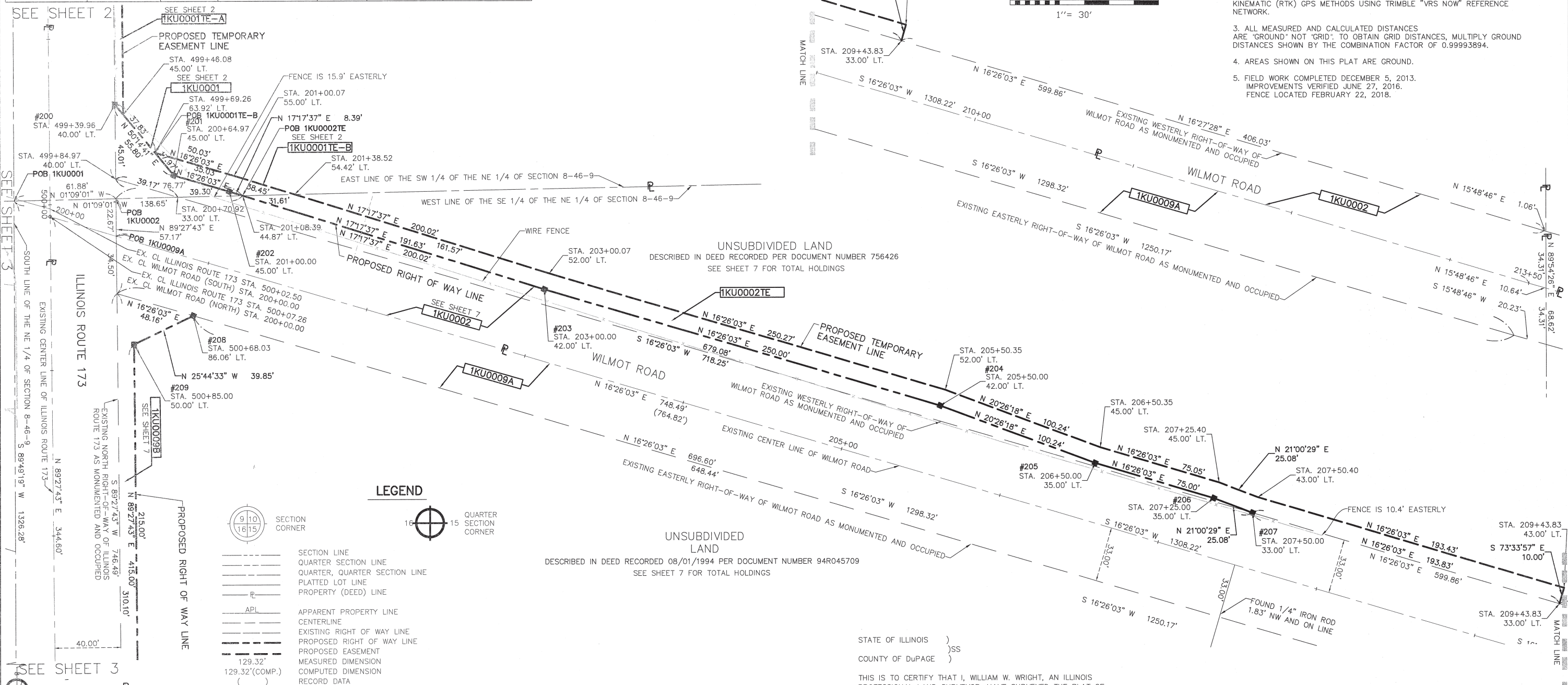
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APR 30 2018  
PLATS & LEGALS

- |                           |                        |
|---------------------------|------------------------|
| REVISION DATE: 04/27/2018 | REVISION MADE BY: W.W. |
| REVISION DATE: 03/02/2018 | REVISION MADE BY: B.H. |
| REVISION DATE: 06/30/2016 | REVISION MADE BY: W.W. |
| REVISION DATE: 07/27/2015 | REVISION MADE BY: W.W. |
| REVISION DATE: 03/18/2014 | REVISION MADE BY: G.P. |
| REVISION DATE: 03/05/2014 | REVISION MADE BY: W.W. |
| REVISION DATE: 02/24/2014 | REVISION MADE BY: G.P. |

Feb 24, 2014 11:47 Dwg Name: P:\DOT16C\dwg\Survey\Final Drawings\Part of Highways\04-IDOT16C-SB1.dwg Updated By: gptanaiski

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

PARCEL No.	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	AREA IN EXISTING R.O.W. (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PARCEL INDEX NUMBER
1KU0002	6.442	1.113	0.994	5.329	N/A	05-08-200-007
1KU0002TE					0.188	
1KU0009A	55.188	0.999	0.999	54.189	N/A	05-08-200-006 & 05-08-200-007



- NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
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**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
  - T1 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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  - BT2 BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - BT3 BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

UNSUBDIVIDED LAND  
DESCRIBED IN DEED RECORDED PER DOCUMENT NUMBER 756426  
SEE SHEET 7 FOR TOTAL HOLDINGS

UNSUBDIVIDED LAND  
DESCRIBED IN DEED RECORDED 08/01/1994 PER DOCUMENT NUMBER 94R045709  
SEE SHEET 7 FOR TOTAL HOLDINGS

STATE OF ILLINOIS )  
COUNTY OF DuPAGE )

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 20TH DAY OF MARCH 2018 A.D.

*William W. Wright*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003502  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

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- REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.
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- REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.



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MAR 28 2018  
PLATS & LEGALS

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**Manhard CONSULTING LTD.**  
700 Barringer Drive, Lombard, IL 60148  
312.630.8811 • 312.630.8812 • 312.630.8813 • 312.630.8814 • 312.630.8815 • 312.630.8816 • 312.630.8817 • 312.630.8818 • 312.630.8819 • 312.630.8820 • 312.630.8821 • 312.630.8822 • 312.630.8823 • 312.630.8824 • 312.630.8825 • 312.630.8826 • 312.630.8827 • 312.630.8828 • 312.630.8829 • 312.630.8830 • 312.630.8831 • 312.630.8832 • 312.630.8833 • 312.630.8834 • 312.630.8835 • 312.630.8836 • 312.630.8837 • 312.630.8838 • 312.630.8839 • 312.630.8840 • 312.630.8841 • 312.630.8842 • 312.630.8843 • 312.630.8844 • 312.630.8845 • 312.630.8846 • 312.630.8847 • 312.630.8848 • 312.630.8849 • 312.630.8850 • 312.630.8851 • 312.630.8852 • 312.630.8853 • 312.630.8854 • 312.630.8855 • 312.630.8856 • 312.630.8857 • 312.630.8858 • 312.630.8859 • 312.630.8860 • 312.630.8861 • 312.630.8862 • 312.630.8863 • 312.630.8864 • 312.630.8865 • 312.630.8866 • 312.630.8867 • 312.630.8868 • 312.630.8869 • 312.630.8870 • 312.630.8871 • 312.630.8872 • 312.630.8873 • 312.630.8874 • 312.630.8875 • 312.630.8876 • 312.630.8877 • 312.630.8878 • 312.630.8879 • 312.630.8880 • 312.630.8881 • 312.630.8882 • 312.630.8883 • 312.630.8884 • 312.630.8885 • 312.630.8886 • 312.630.8887 • 312.630.8888 • 312.630.8889 • 312.630.8890 • 312.630.8891 • 312.630.8892 • 312.630.8893 • 312.630.8894 • 312.630.8895 • 312.630.8896 • 312.630.8897 • 312.630.8898 • 312.630.8899 • 312.630.8900 • 312.630.8901 • 312.630.8902 • 312.630.8903 • 312.630.8904 • 312.630.8905 • 312.630.8906 • 312.630.8907 • 312.630.8908 • 312.630.8909 • 312.630.8910 • 312.630.8911 • 312.630.8912 • 312.630.8913 • 312.630.8914 • 312.630.8915 • 312.630.8916 • 312.630.8917 • 312.630.8918 • 312.630.8919 • 312.630.8920 • 312.630.8921 • 312.630.8922 • 312.630.8923 • 312.630.8924 • 312.630.8925 • 312.630.8926 • 312.630.8927 • 312.630.8928 • 312.630.8929 • 312.630.8930 • 312.630.8931 • 312.630.8932 • 312.630.8933 • 312.630.8934 • 312.630.8935 • 312.630.8936 • 312.630.8937 • 312.630.8938 • 312.630.8939 • 312.630.8940 • 312.630.8941 • 312.630.8942 • 312.630.8943 • 312.630.8944 • 312.630.8945 • 312.630.8946 • 312.630.8947 • 312.630.8948 • 312.630.8949 • 312.630.8950 • 312.630.8951 • 312.630.8952 • 312.630.8953 • 312.630.8954 • 312.630.8955 • 312.630.8956 • 312.630.8957 • 312.630.8958 • 312.630.8959 • 312.630.8960 • 312.630.8961 • 312.630.8962 • 312.630.8963 • 312.630.8964 • 312.630.8965 • 312.630.8966 • 312.630.8967 • 312.630.8968 • 312.630.8969 • 312.630.8970 • 312.630.8971 • 312.630.8972 • 312.630.8973 • 312.630.8974 • 312.630.8975 • 312.630.8976 • 312.630.8977 • 312.630.8978 • 312.630.8979 • 312.630.8980 • 312.630.8981 • 312.630.8982 • 312.630.8983 • 312.630.8984 • 312.630.8985 • 312.630.8986 • 312.630.8987 • 312.630.8988 • 312.630.8989 • 312.630.8990 • 312.630.8991 • 312.630.8992 • 312.630.8993 • 312.630.8994 • 312.630.8995 • 312.630.8996 • 312.630.8997 • 312.630.8998 • 312.630.8999 • 312.630.9000

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAI ROUTE 173

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
SECTION: \_\_\_\_\_ JOB NO.: R-91-039-13  
STA. 200+00.00 TO STA. 209+43.83  
SCALE: 1" = 30' SHEET 5 OF 10 SHEETS

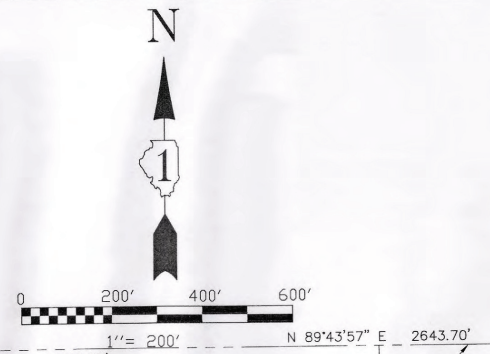
**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

Feb 24, 2014 - 11:47 Dwg Name: P:\DOT16C\Draws\Survey\Final Drawings\Plat of Highway\05-00116C-SB.dwg Updated By: gptanaka

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

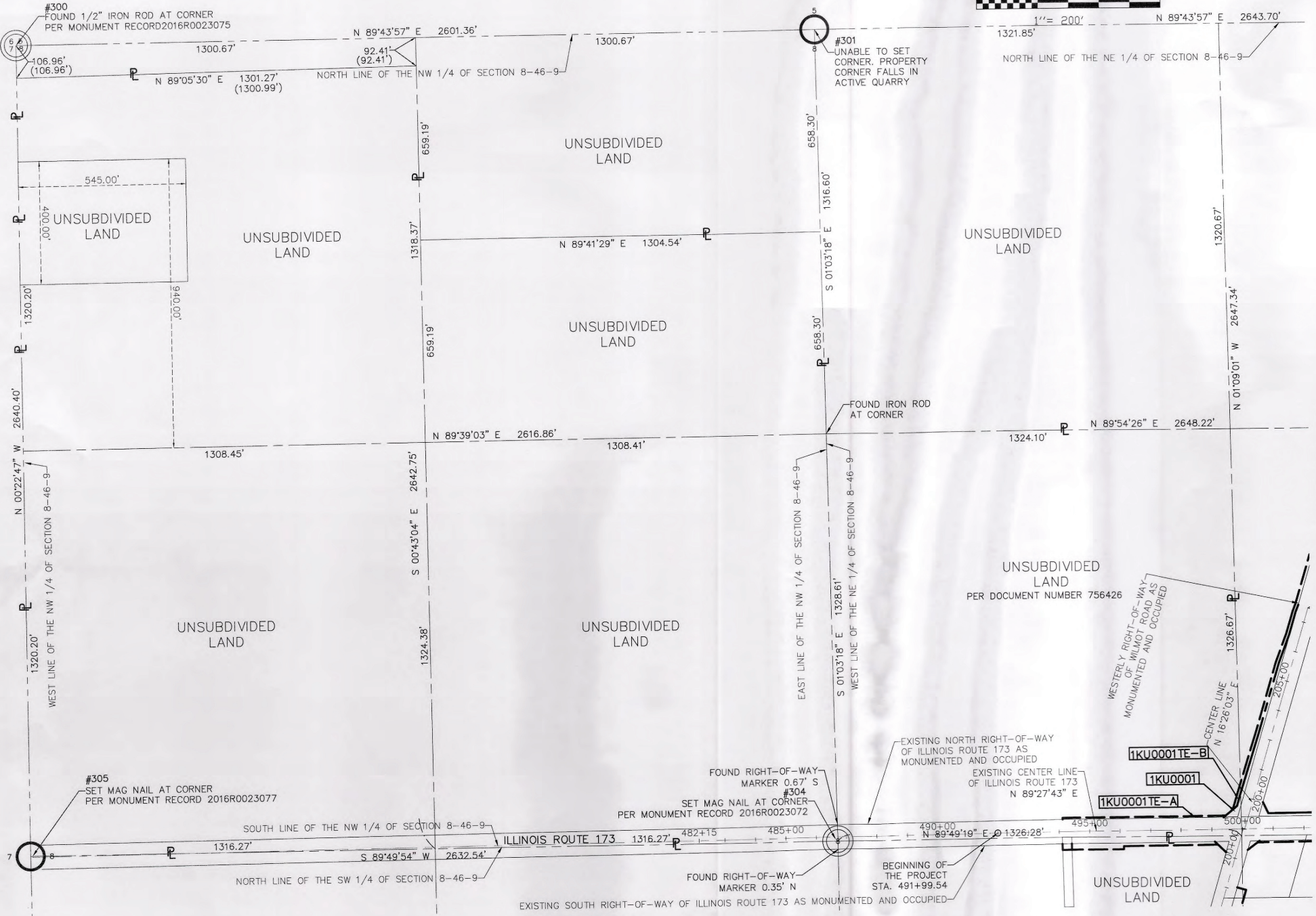
NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
- ALL MEASURED AND CALCULATED DISTANCES ARE "GROUND" NOT "GRID". TO OBTAIN GRID DISTANCES, MULTIPLY GROUND DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99993894.
- AREAS SHOWN ON THIS PLAT ARE GROUND.
- FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 27, 2016.



**LEGEND**

	SECTION CORNER		QUARTER SECTION CORNER
	SECTION LINE		QUARTER SECTION LINE
	PLATTED LOT LINE		PROPERTY (DEED) LINE
	APPARENT PROPERTY LINE		CENTERLINE
	EXISTING RIGHT OF WAY LINE		PROPOSED RIGHT OF WAY LINE
	PROPOSED EASEMENT		MEASURED DIMENSION
	COMPUTED DIMENSION		RECORD DATA
	EXISTING BUILDING		IRON ROD SET
	IRON PIPE OR ROD FOUND		CUT CROSS FOUND OR SET
	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.		PK NAIL SET
	IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.		REPLACED AFTER CONSTRUCTION
	THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.		
	STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.		
	STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.		
	PERMANENT SURVEY MARKER, 1 D O T STD. 2135 (TO BE SET BY OTHERS)		
	RIGHT OF WAY STAKING PROPOSED TO BE SET.		
	LIGHT STANDARD		
	P.O.B. = POINT OF BEGINNING		
	P.O.C. = POINT OF COMMENCEMENT		



STATE OF ILLINOIS )  
 COUNTY OF DuPAGE )SS

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 30TH DAY OF JUNE 2016 A.D.

*William W. Wright*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 173

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: \_\_\_\_\_ JOB NO.: R-9-039-13  
 PARCEL 0001 TOTAL HOLDINGS DETAIL  
 SCALE: 1" = 200' SHEET 6 OF 10 SHEETS

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

**IDOT USE ONLY**  
 RECEIVED  
 JUL 13 2016  
 PLATS & LEGALS

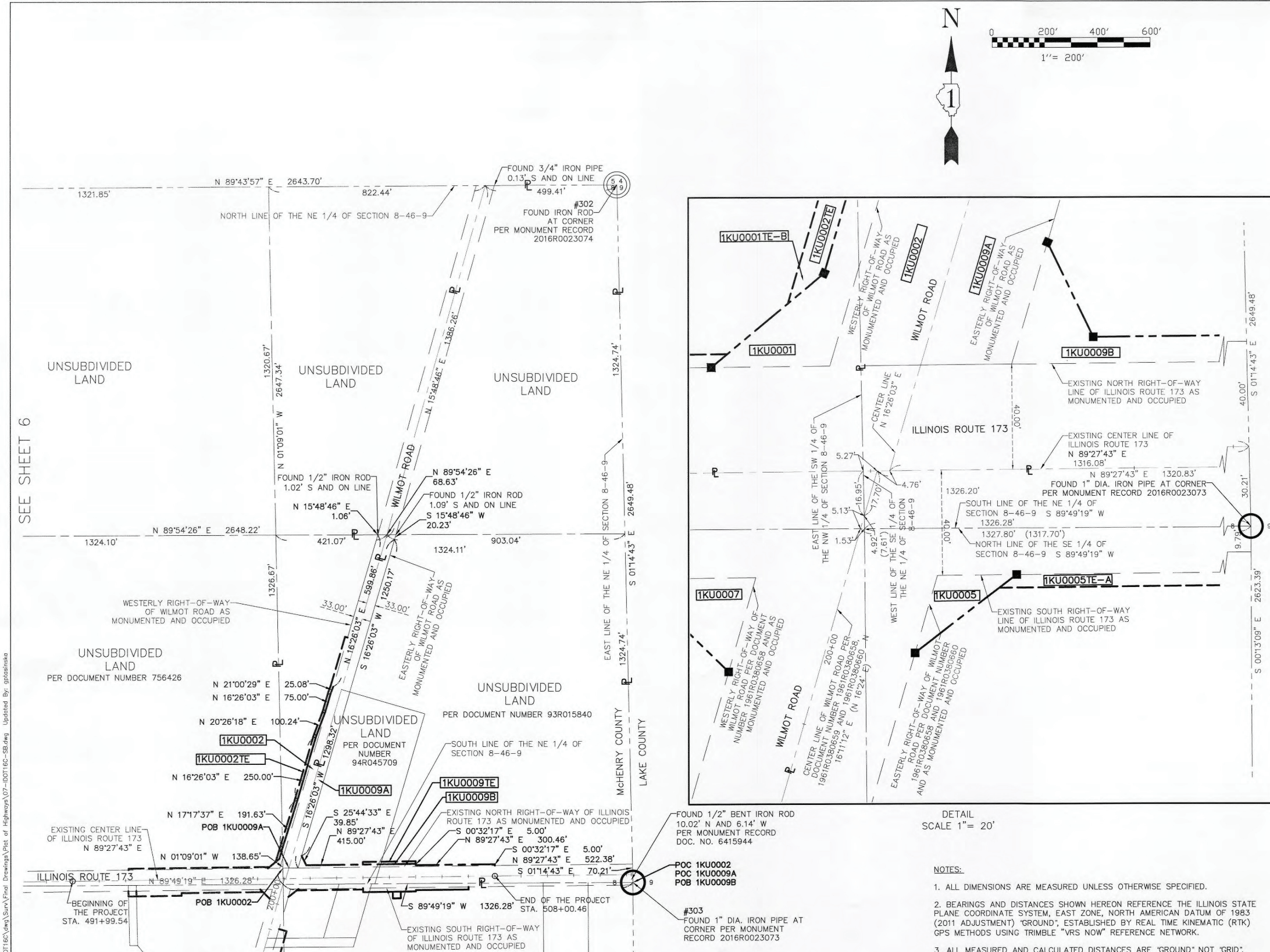
REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
 REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

RECORDING: RECORDED ON

AS DOCUMENT NO

Feb 24, 2014 - 11:47 Dwg Name: P:\IDOT16C\Drawings\Plat of Highways\08-100116C-SB1.dwg Updated By: gpbainano

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS



**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS )  
 COUNTY OF )SS

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 30TH DAY OF JUNE 2016 A.D.

WILLIAM W. WRIGHT  
 3502  
 PROFESSIONAL  
 LAND  
 SURVEYOR  
 STATE OF  
 ILLINOIS  
 LOMBARD, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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

IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

**Manhard CONSULTING LTD.**  
 700 Springwood Drive, Lombard, IL 60148  
 630.931.8800 • 630.931.8888 • www.manhard.com  
 Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers  
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 173

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: \_\_\_\_\_ JOB NO.: R-91-039-13  
 PARCEL: 1KU0002 TOTAL HOLDING DETAIL  
 SCALE: 1" = 200' SHEET 7 OF 10 SHEETS

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

**IDOT USE ONLY**

RECEIVED  
 JUL 13 2016  
 PLATS & LEGALS

- NOTES:**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GROUND" NOT "GRID". TO OBTAIN GRID DISTANCES, MULTIPLY GROUND DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99993894.
  - AREAS SHOWN ON THIS PLAT ARE GROUND.
  - FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 28, 2016.

REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
 REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

SEE SHEET 6

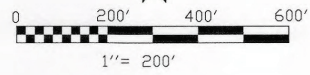
SEE SHEET 8

File Path: P:\001160\Drawings\Plat of Highways\07-1001160-SB.dwg Updated By: gplainsk

RECORDING: RECORDED ON AS DOCUMENT NO

TOTAL SHEETS 101 SHEET NO. 54

PART OF SEC 8, T46N, R9E OF THE 3RD P.M., McHENRY COUNTY, ILLINOIS

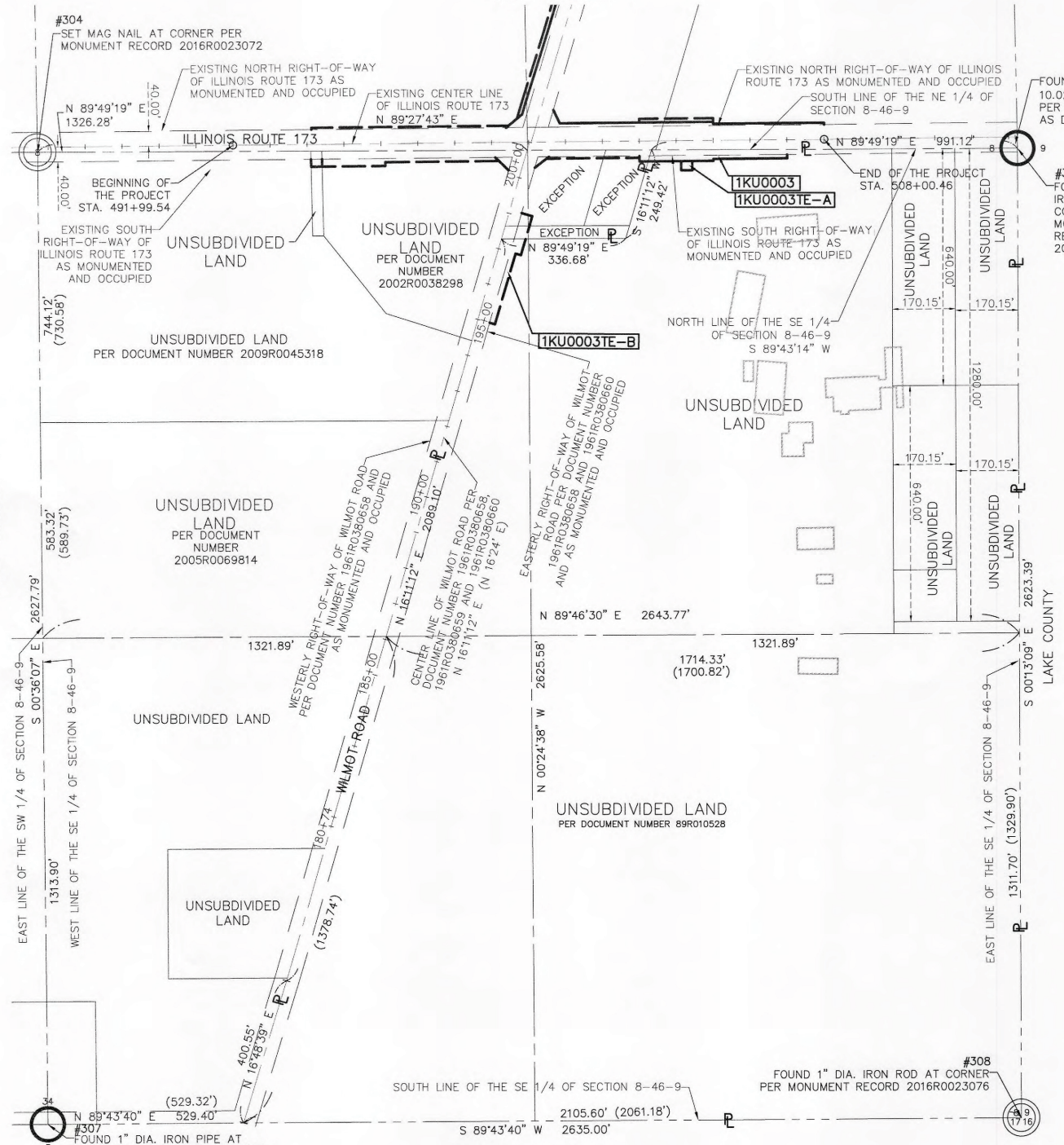


LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I D O T STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- LIGHT STANDARD
- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION

SEE SHEET 9

SEE SHEET 7



NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GROUND", ESTABLISHED BY REAL TIME KINEMATIC (RTK) GPS METHODS USING TRIMBLE "VRS NOW" REFERENCE NETWORK.
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4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED DECEMBER 5, 2013. IMPROVEMENTS VERIFIED JUNE 27, 2016.

STATE OF ILLINOIS )  
 COUNTY OF DuPAGE )

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 30TH DAY OF JUNE 2016 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

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



IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

**Manhard CONSULTING LTD.**

**PLAT OF HIGHWAYS**

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**

**FAI ROUTE 173**

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: COUNTY: McHENRY  
 IKU0003 TOTAL HOLDINGS DETAIL JOB NO.: R-9I-039-13  
 SCALE: 1" = 200' SHEET 8 OF 10 SHEETS

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

**IDOT USE ONLY**

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JUL 13 2016

PLATS & LEGALS

REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
 REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
 REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
 REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

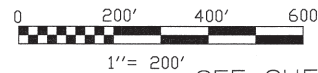
RECORDING: RECORDED ON

AS DOCUMENT NO.

Feb 24, 2014 11:47 Dwg Name: P:\IDOT16C\Drawings\Plat of Highways\IDOT16C-SB.dwg Updated By: gplatinaka

NOTES:

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- AREAS SHOWN ON THIS PLAT ARE GROUND.
- FIELD WORK COMPLETED DECEMBER 5, 2013. VERIFIED IMPROVEMENTS JUNE 27TH, 2016.



LEGEND



SECTION CORNER



QUARTER SECTION CORNER

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE

- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA



- IRON ROD SET
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 IRON ROD FLUSHED WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLOR PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- P.O.B. = POINT OF BEGINNING
- P.O.C. = POINT OF COMMENCEMENT

STATE OF ILLINOIS )  
COUNTY OF DuPAGE )SS

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DATED AT LOMBARD, ILLINOIS THIS 27TH DAY OF APRIL 2018 A.D.

*William W. Wright*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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



IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED



**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAI ROUTE 173**

LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
SECTION: COUNTY: McHENRY  
IKU007 & IKU0008 TOTAL HOLDINGS DETAIL JOB NO.: R-9I-039-13  
SCALE: 1" = 200' SHEET 9 OF 10 SHEETS

RECEIVED

APR 30 2018

PLATS & LEGALS

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

REVISION DATE: 04/27/2018 REVISION MADE BY: W.W.  
REVISION DATE: 06/30/2016 REVISION MADE BY: W.W.  
REVISION DATE: 03/18/2014 REVISION MADE BY: G.P.  
REVISION DATE: 03/05/2014 REVISION MADE BY: W.W.  
REVISION DATE: 02/24/2014 REVISION MADE BY: G.P.

TOTAL SHEETS 101 SHEET NO. 56 RECORDING: RECORDED ON

AS DOCUMENT NO.



COORDINATE TABLE

PROPOSED PARCEL CORNERS		
POINT NUMBER	NORTHING	EASTING
200	2117880.612	1019052.447
201	2117916.297	1019095.345
202	2117949.892	1019105.254
203	2118140.872	1019164.714
204	2118380.658	1019235.443
205	2118474.592	1019270.448
206	2118546.528	1019291.666
207	2118569.941	1019300.658
208	2117927.873	1019180.082
209	2117891.974	1019197.391
210	2117895.871	1019612.373
211	2117890.871	1019612.420
212	2117893.693	1019912.867
213	2117888.693	1019912.914
214	2117807.753	1019813.209
215	2117797.754	1019813.303
216	2117795.875	1019613.312
217	2117790.876	1019613.359
218	2117788.997	1019413.368
219	2117803.997	1019413.227
220	2117801.696	1019168.233
221	2117772.079	1019129.665
222	2117776.967	1019046.740
223	2117800.331	1019022.853

SECTION CORNERS		
POINT NUMBER	NORTHING	EASTING
300	2120447.762	1015134.227
301	2120459.913	1017735.554
302	2120472.262	1020379.223
303	2117823.404	1020436.800
304	2117815.160	1017784.263
305	2117807.420	1015151.733
306	2115167.954	1015181.184
307	2115187.511	1017811.864
308	2115200.030	1020446.835

STATE OF ILLINOIS )  
 )SS  
 COUNTY OF DuPAGE )

THIS IS TO CERTIFY THAT I, WILLIAM W. WRIGHT, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 46 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 27TH DAY OF APRIL 2018 A.D.

*William W. Wright*

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018



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

IDOT16C SB1 - 130248 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.



**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAI ROUTE 173**

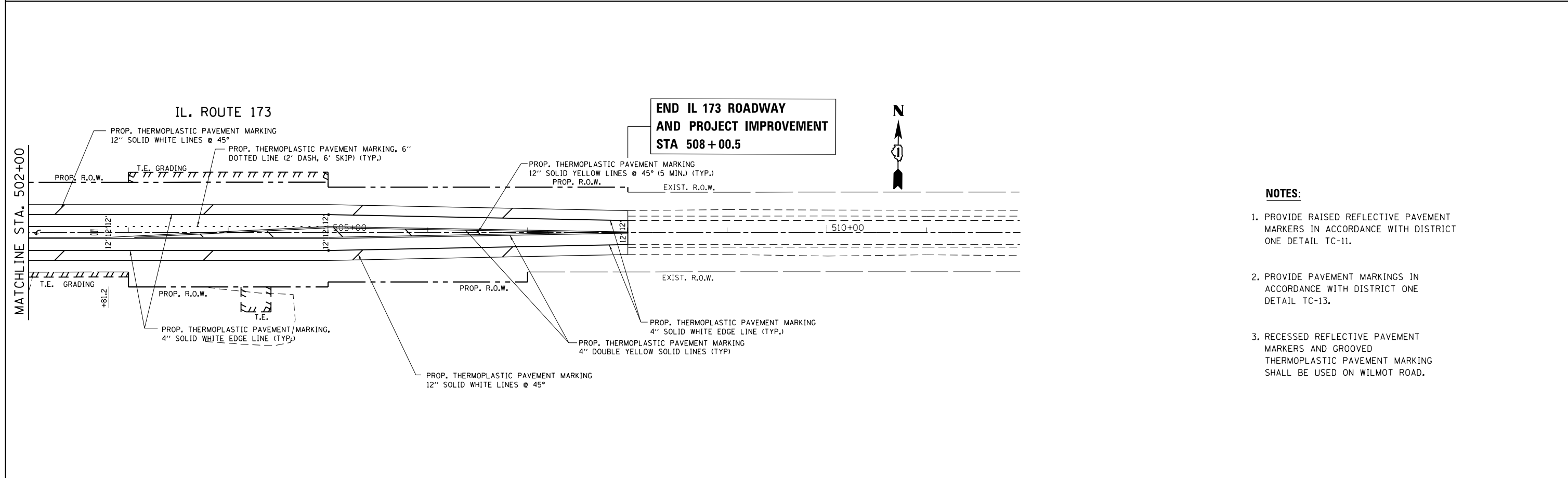
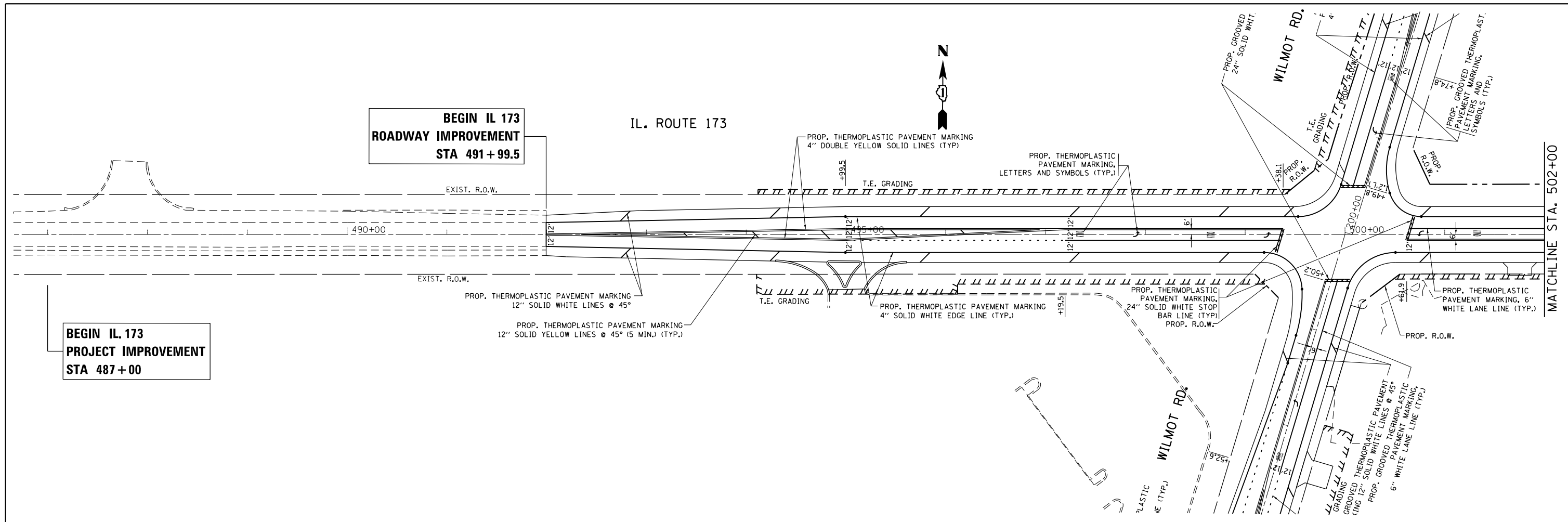
LIMITS: AT WILMOT ROAD COUNTY: McHENRY  
 SECTION: \_\_\_\_\_ JOB NO.: R-9I-039-I3  
 IKU007 & IKU008 TOTAL HOLDINGS DETAIL  
 SCALE: N/A SHEET 10 OF 10 SHEETS

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

**IDOT USE ONLY**  
 RECEIVED  
 APR 30 2018  
 PLATS & LEGALS

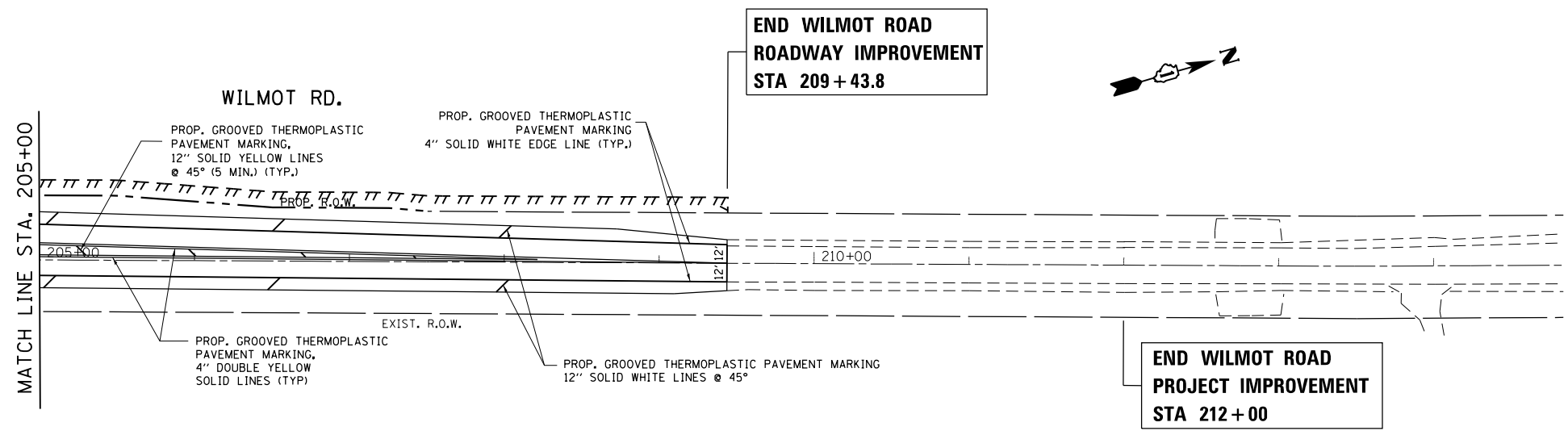
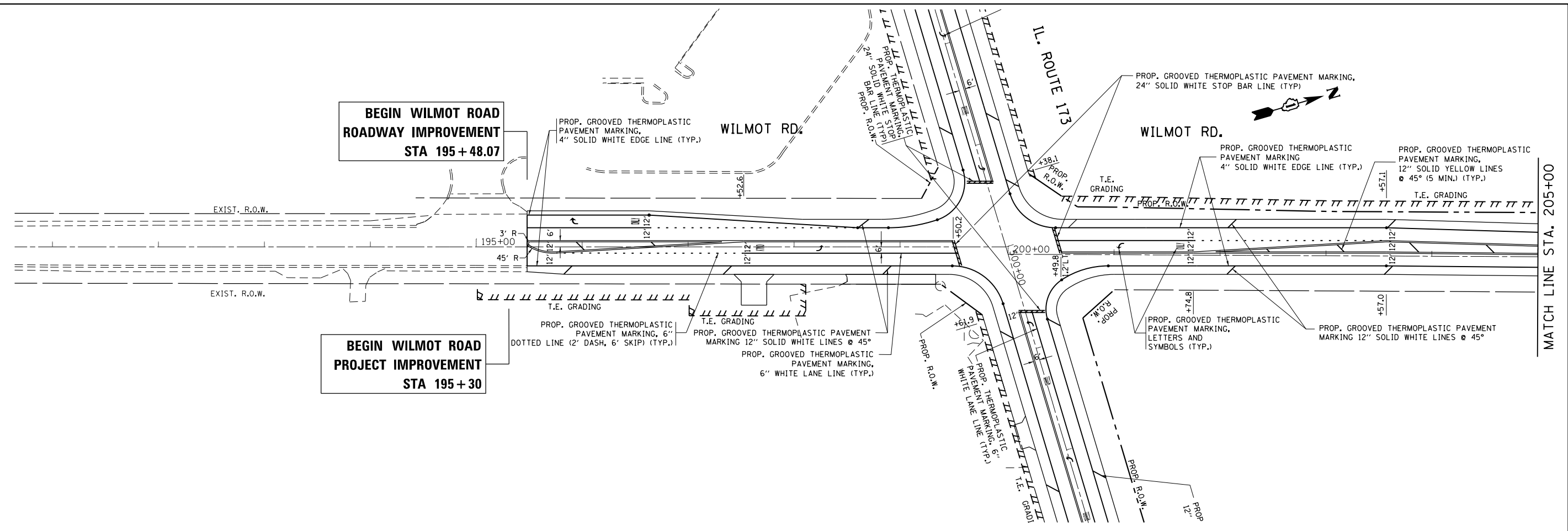
REVISION DATE: 04/27/2018 REVISION MADE BY: W.W.

Feb 24, 2014 - 11:47 Dwg Name: P:\IDOT16C\Drawings\Plat of Highways\08-IDOT16C-SB1.dwg Updated By: gpcasmeals



- NOTES:**
1. PROVIDE RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-11.
  2. PROVIDE PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-13.
  3. RECESSED REFLECTIVE PAVEMENT MARKERS AND GROOVED THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON WILMOT ROAD.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 09-13-18	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\146109\Drawings\CADsheets\146109-shr-pmk.dgn		DRAWN -	REVISED -		303	134N-1	MCHENRY	101	58			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 60T13							
	PLOT DATE = 10/1/2018	DATE -	REVISED -		SCALE: 1" = 50'			SHEET OF SHEETS STA. 491+00.00 TO STA. 517+00.00		ILLINOIS FED. AID PROJECT		



- NOTES:**
1. PROVIDE RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-11.
  2. PROVIDE PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-13.
  3. RECESSED REFLECTIVE PAVEMENT MARKERS AND GROOVED THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON WILMOT ROAD.

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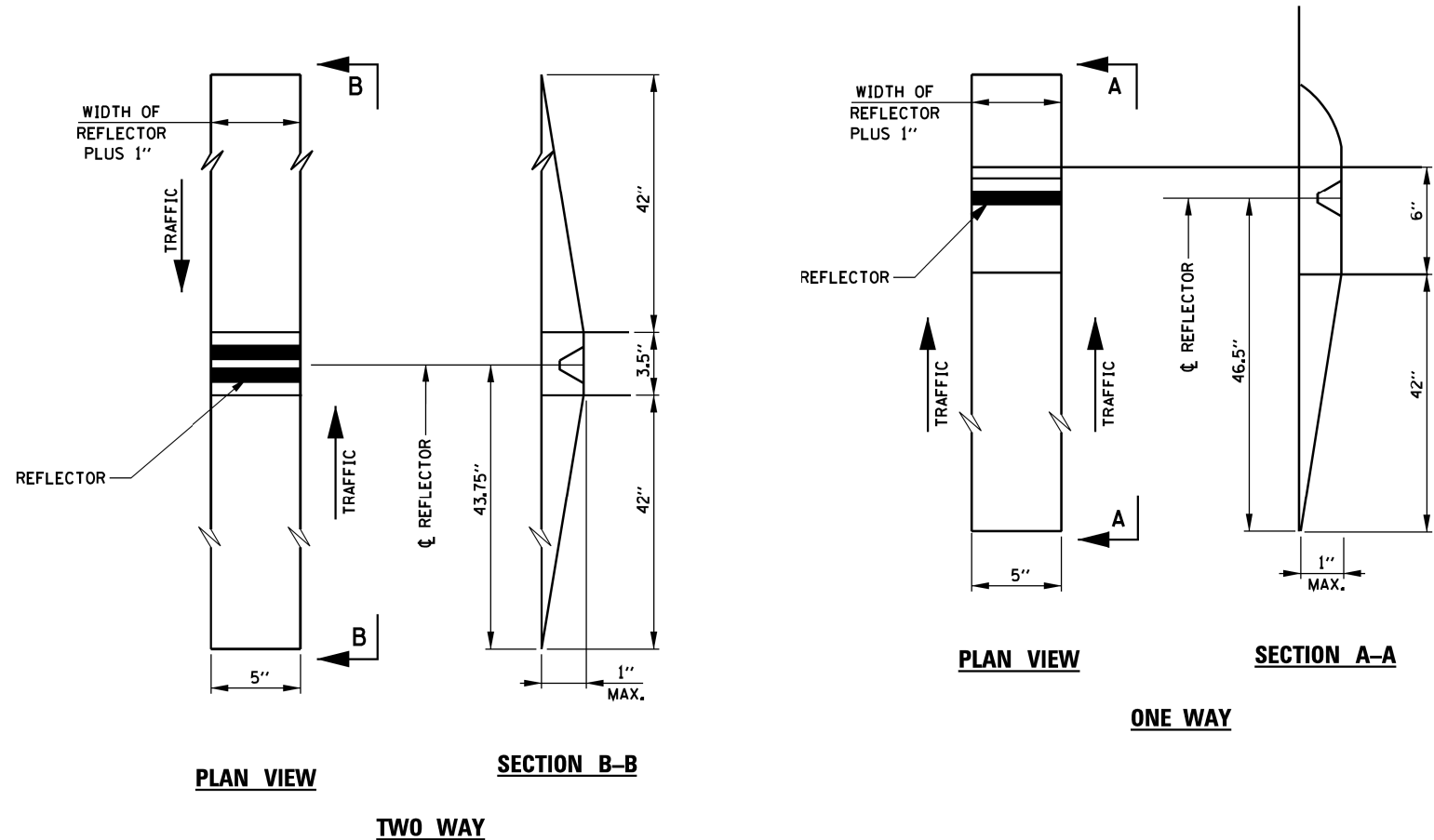
USER NAME = tariqfm	DESIGNED -	REVISED - 09-13-18
	DRAWN -	REVISED -
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PLOT DATE = 10/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1"= 50'      SHEET    OF    SHEETS    STA. 195+00.00    TO    STA. 210+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	59
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



**RECESSED REFLECTIVE MARKERS**

**INSTALLATION NOTES:**

1. SAWCUT IN DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BAND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2 TO 1/4 INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 290.

**GENERAL NOTES:**

1. INSTALLATION SHALL CONFORM TO IDOT HIGHWAY STANDARD 781001-02 (OR LATEST) FOR MARKER PLACEMENT.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

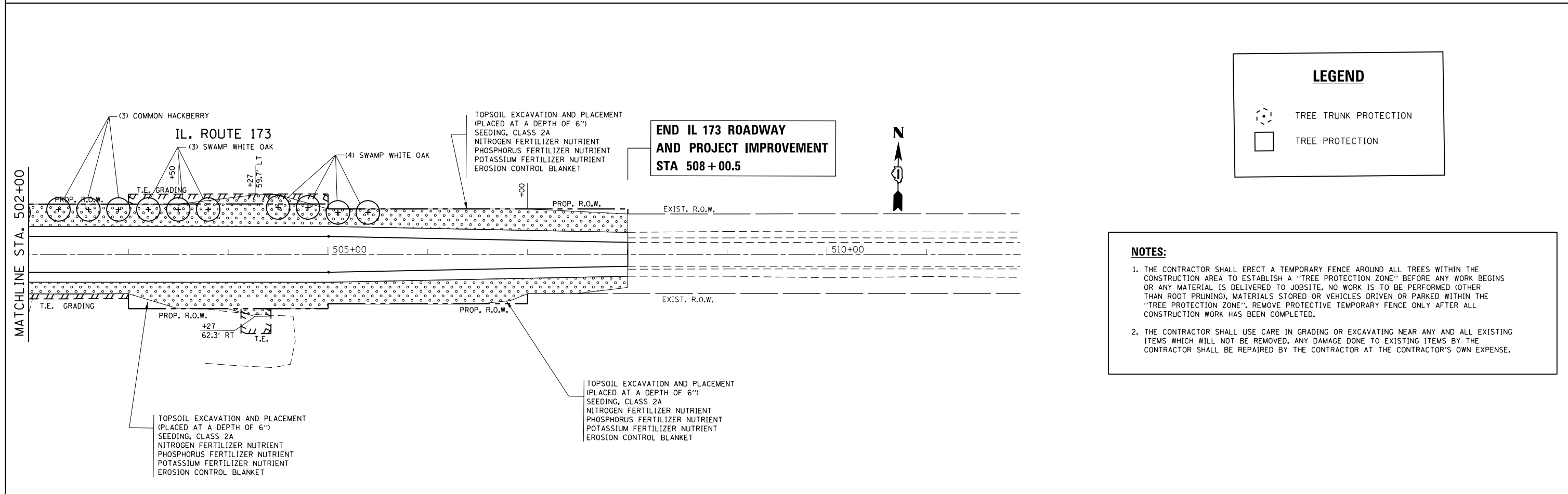
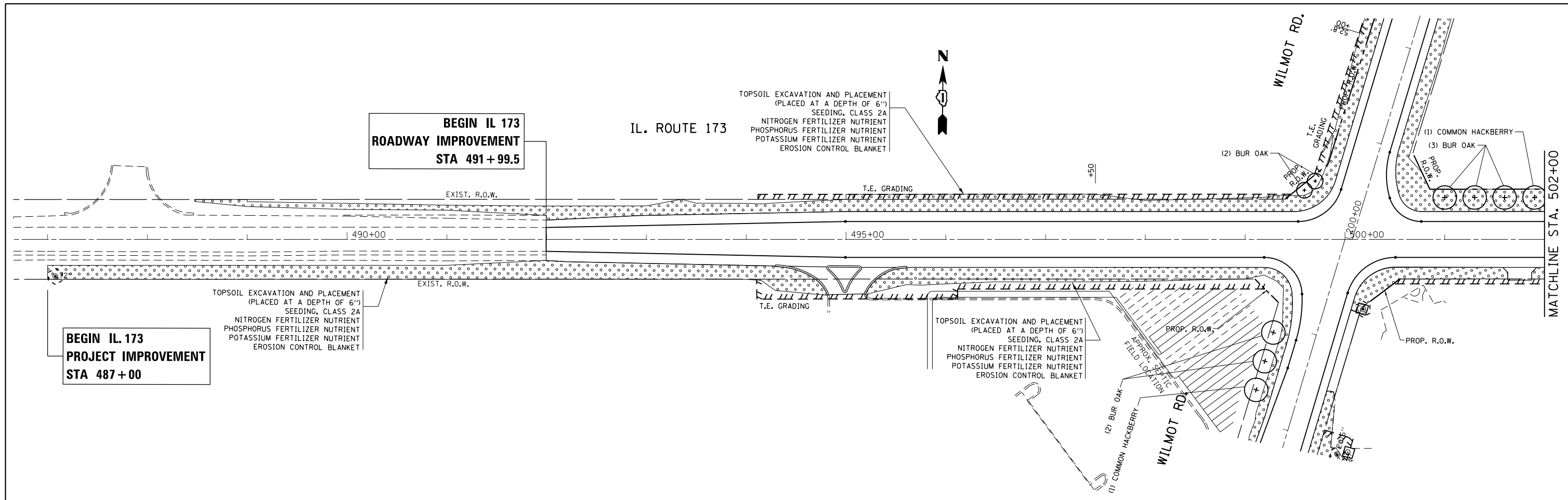
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PLOT DATE = 8/15/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RECESSED REFLECTIVE PAVEMENT MARKER DETAIL</b>				
<b>IL. ROUTE 173 AT WILMOT ROAD</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	60
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



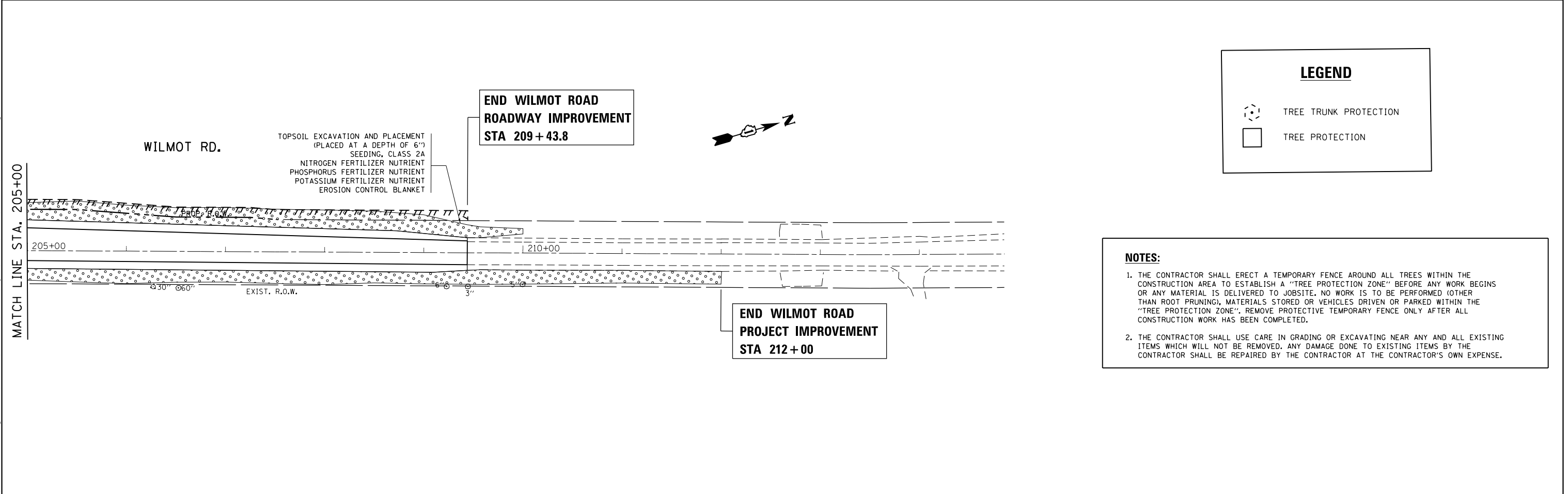
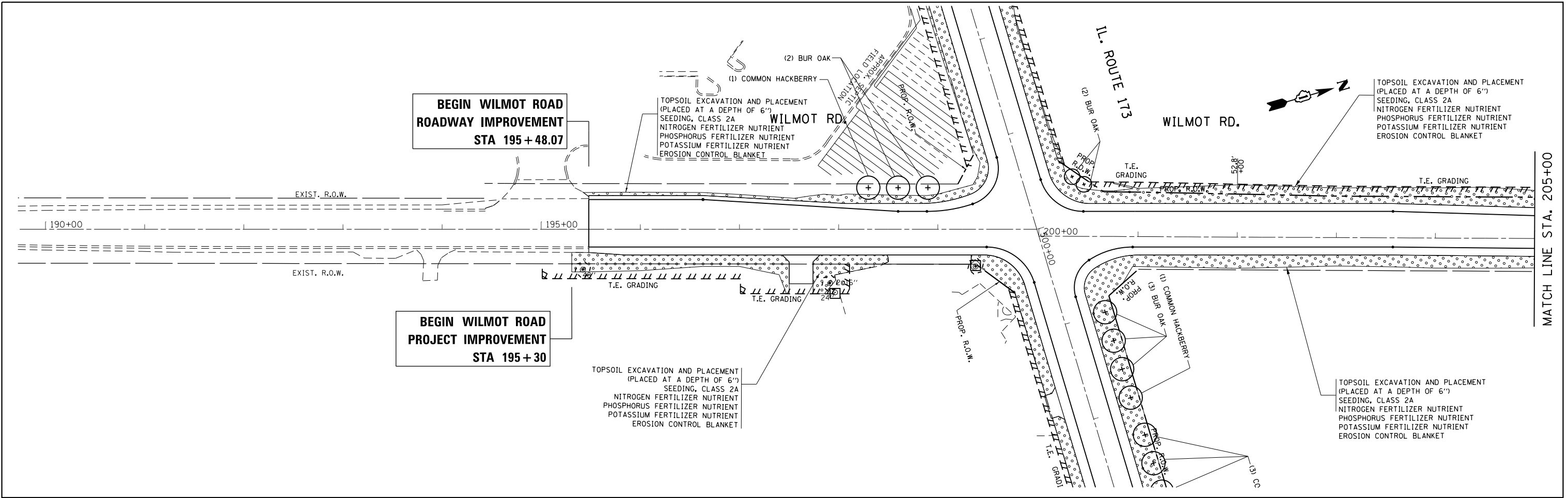
**LEGEND**

TREE TRUNK PROTECTION  
 TREE PROTECTION

**NOTES:**

1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 09-13-18	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING PLAN IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI46109\Meta\CAD\Sheets\PI46109-sht-landsca						REVISED -	REVISED -	303	134N-1	MCHENRY	101	61
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	PLOT DATE = 10/1/2018	DATE -	REVISED -	SCALE: 1" = 50' SHEET OF SHEETS STA. 491+00.00 TO STA. 517+00.00 ILLINOIS FED. AID PROJECT								



### LEGEND

	TREE TRUNK PROTECTION
	TREE PROTECTION

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	DRAWN -	REVISED -	
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PLOT DATE = 10/1/2018	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING PLAN</b>			
<b>IL. ROUTE 173 AT WILMOT ROAD</b>			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	62
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

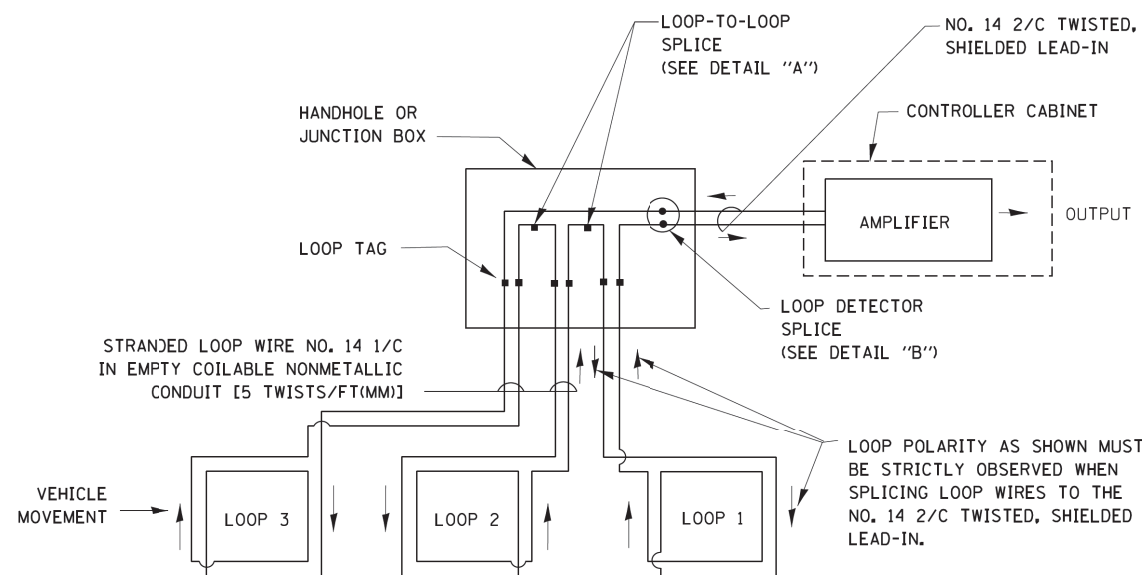
# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

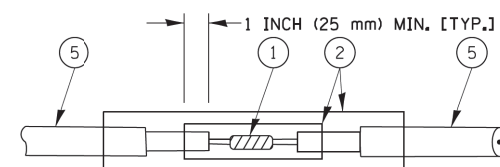
**LOOP DETECTOR NOTES**

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

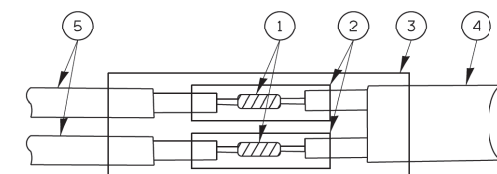


**DETECTOR LOOP WIRING SCHEMATIC**

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



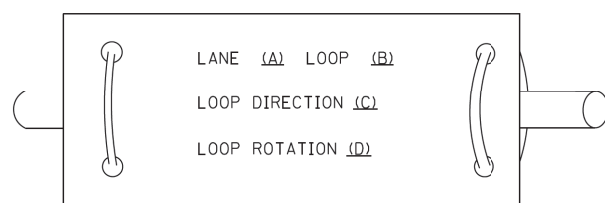
DETAIL "A"  
LOOP-TO-LOOP SPLICE



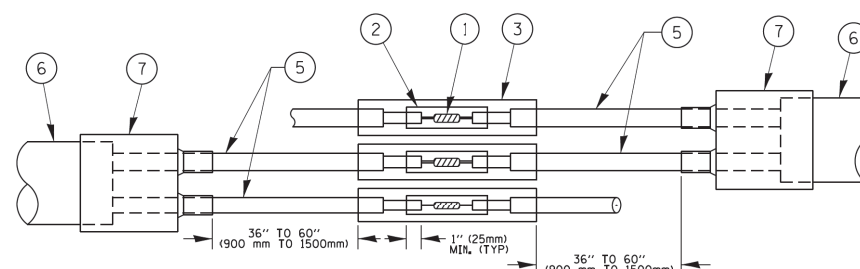
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

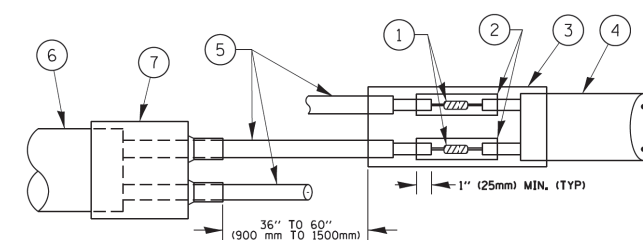
**LOOP LEAD-IN CABLE TAG**



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



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED LOOP**

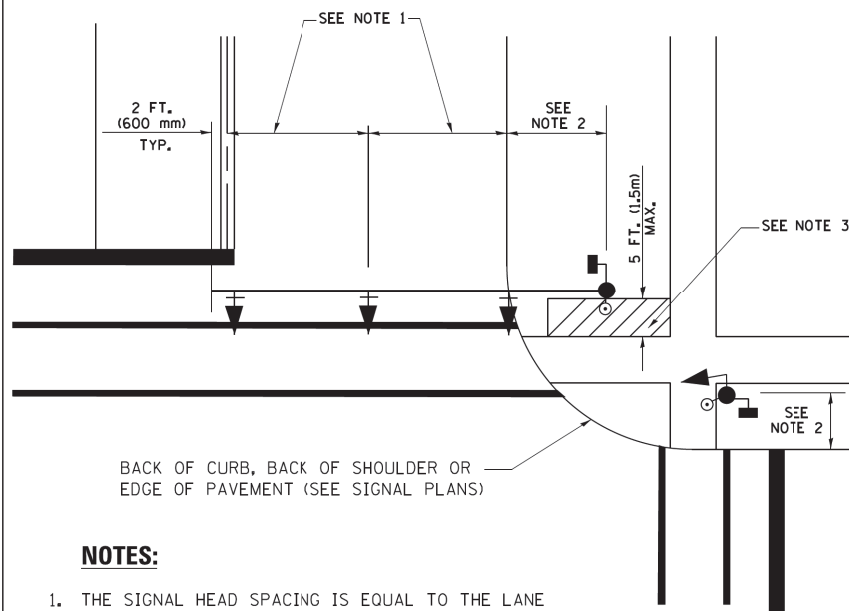
**LOOP DETECTOR SPLICE**

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.P. RTE. 303	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\footemj\d0108315\ts05.dwg		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	TS-05	MCHENRY	101	64
		CHECKED - DAD	REVISED -					CONTRACT NO. 60T13				
		DATE - 10-28-09	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



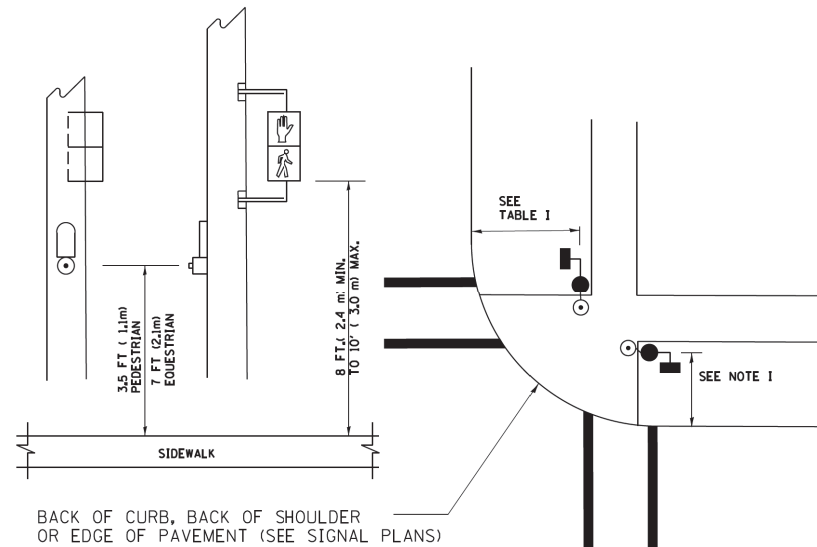
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

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

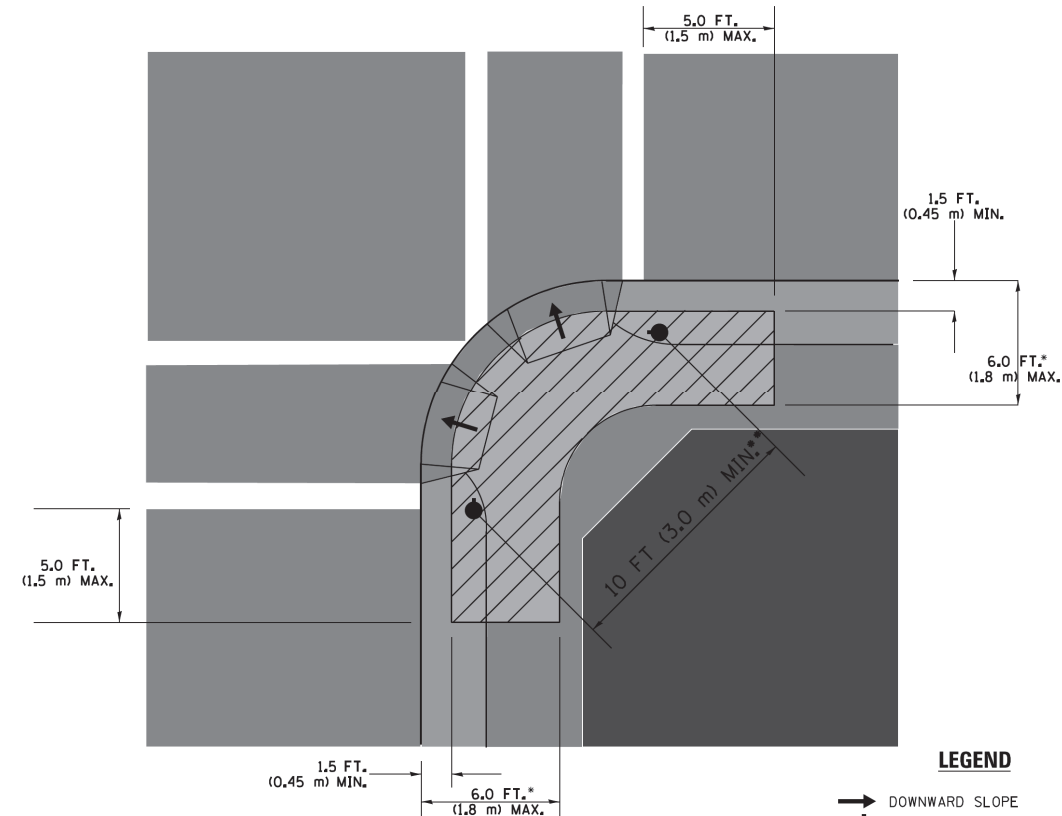
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

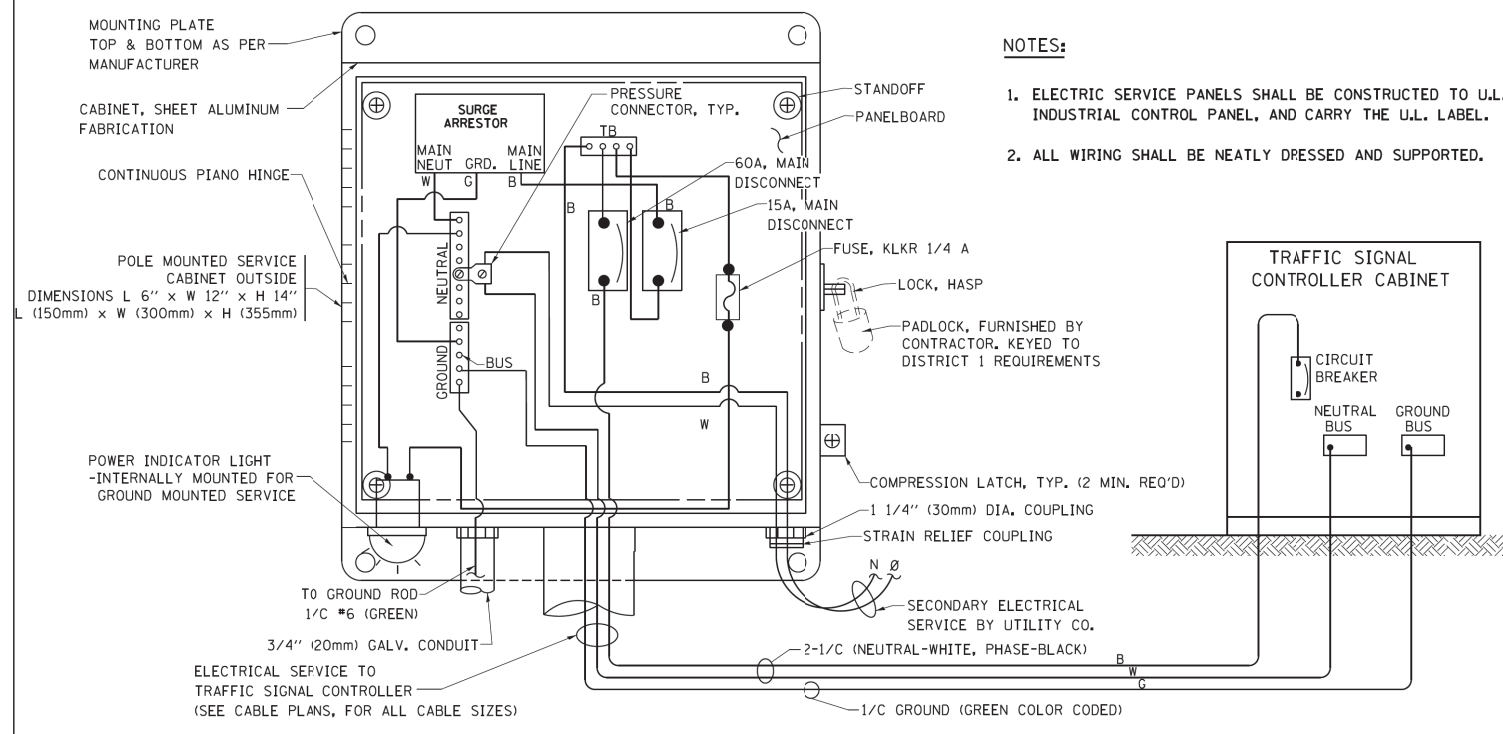
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

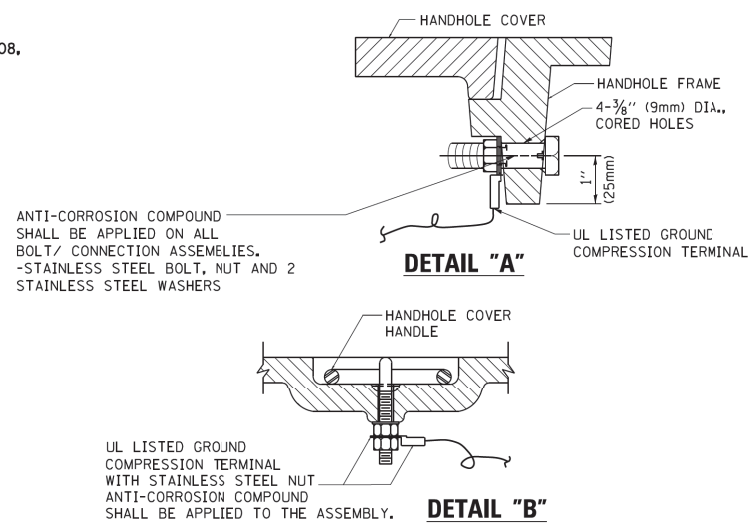
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

**NOTES:**

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

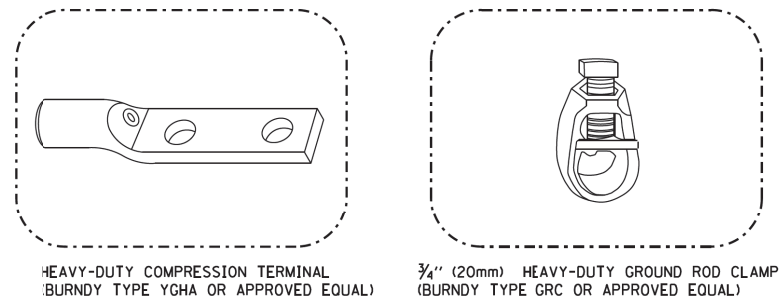


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**



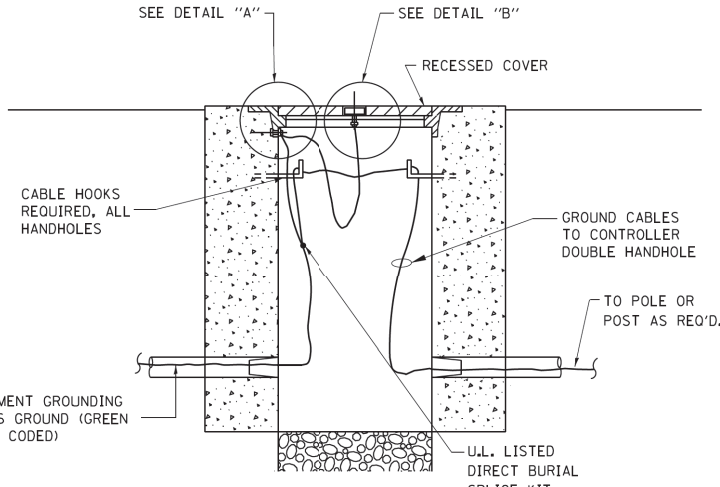
**NOTES:**  
**GROUNDING SYSTEM**

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

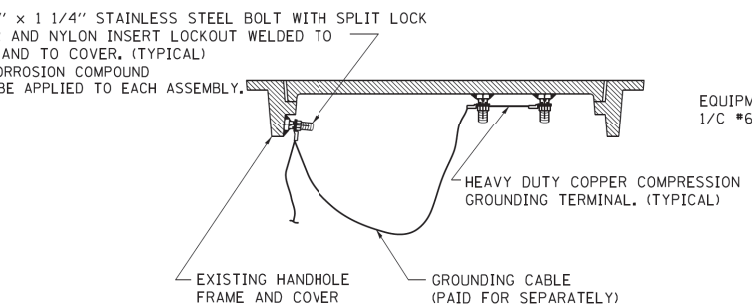


**NOTES:**

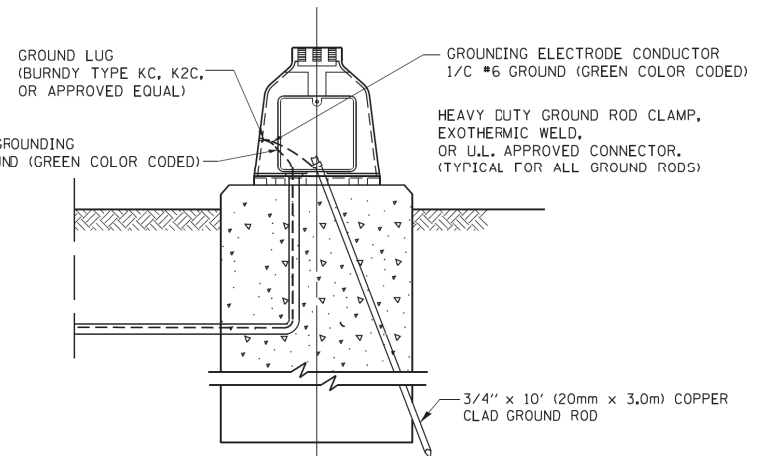
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



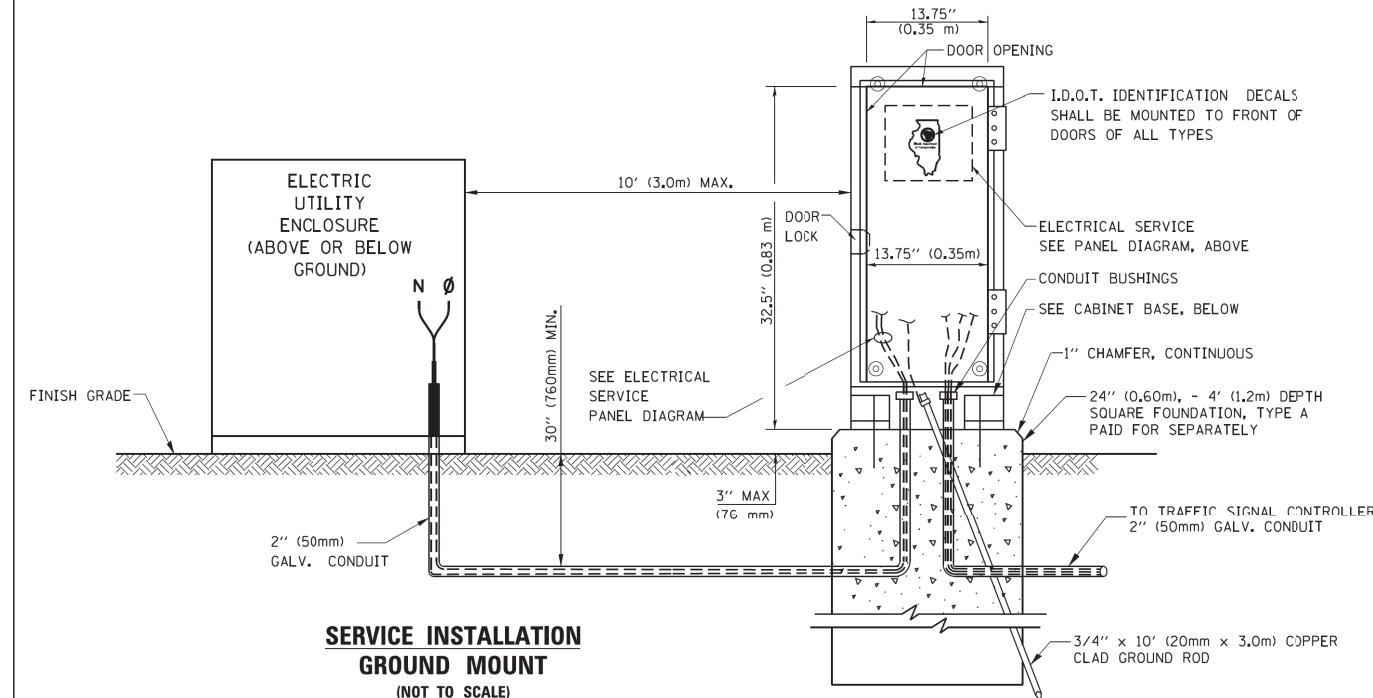
**HANDHOLE COVER & FRAME – GROUNDING DETAIL  
(NOT TO SCALE)**



**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL  
(NOT TO SCALE)**

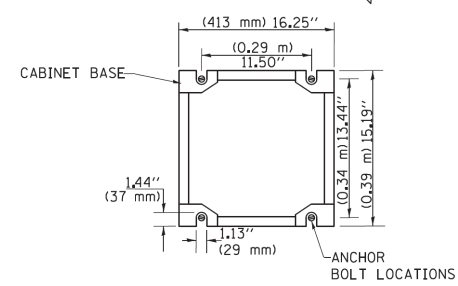


**MAST ARM POLE / POST-GROUNDING DETAIL  
(NOT TO SCALE)**



**SERVICE INSTALLATION GROUND MOUNT  
(NOT TO SCALE)**

**CABINET – BASE BOLT PATTERN  
(NOT TO SCALE)**



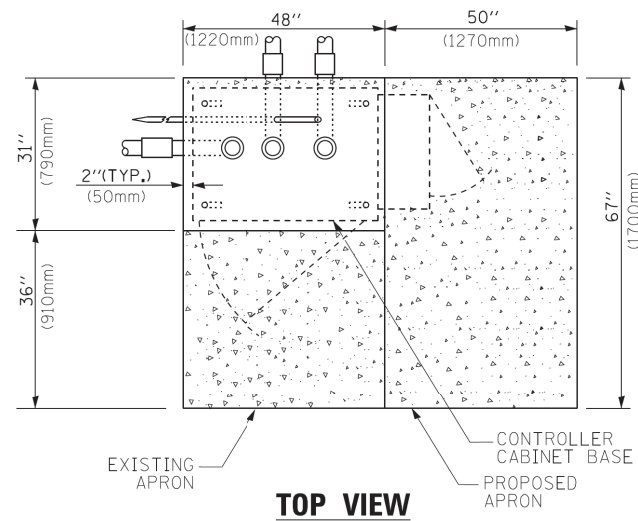
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

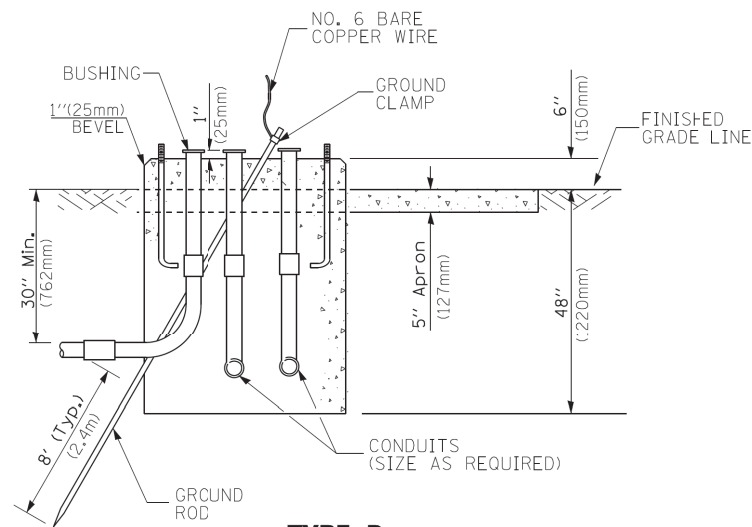
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

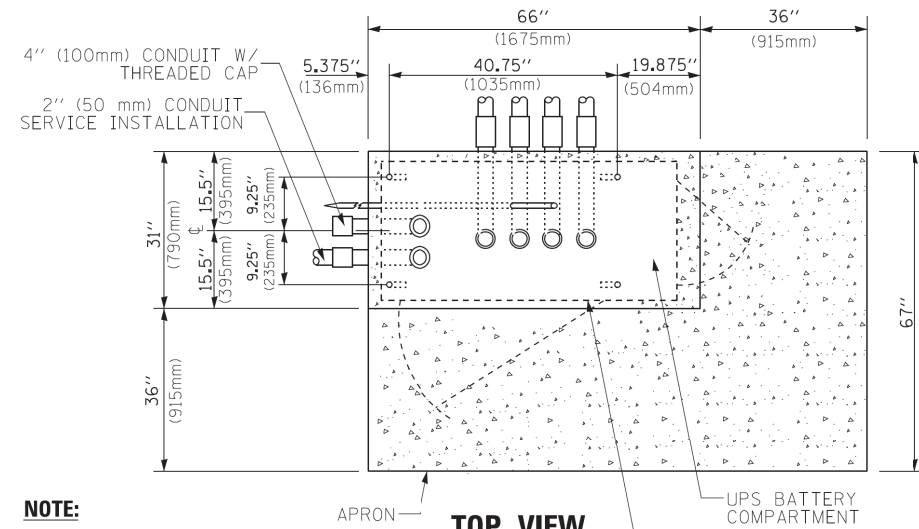
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303		MCHENRY	101	66
<b>TS-05</b>		CONTRACT NO. 60T13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TOP VIEW**



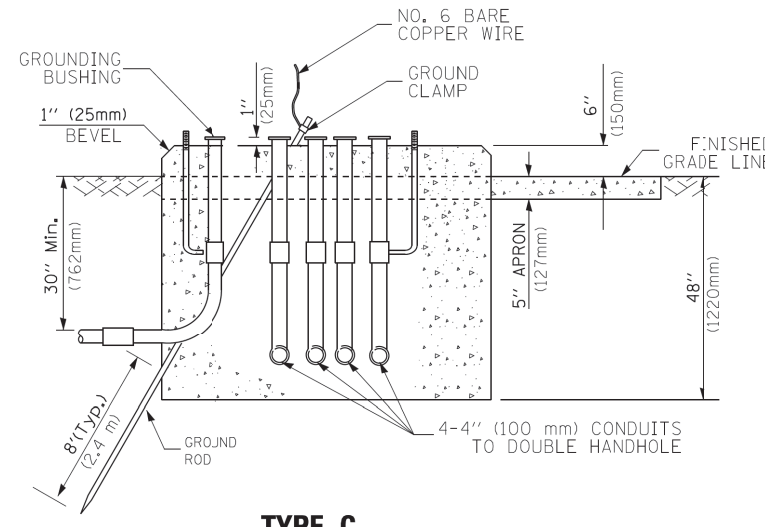
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



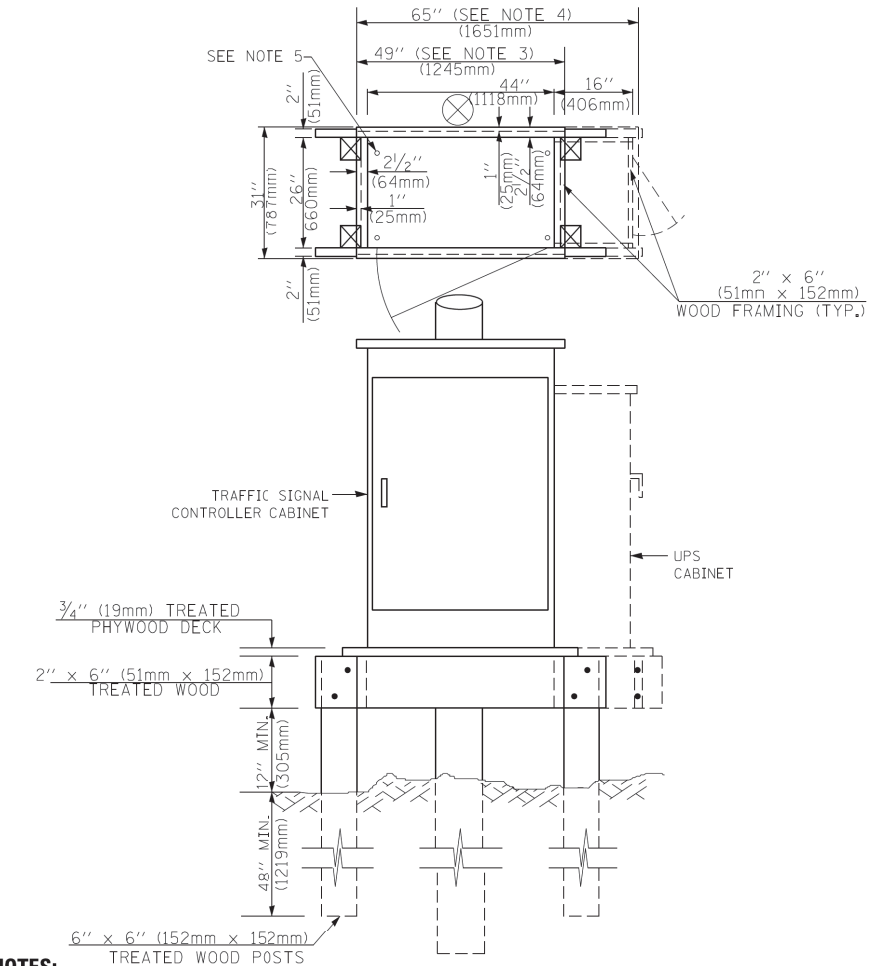
**TOP VIEW**

**NOTE:**

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

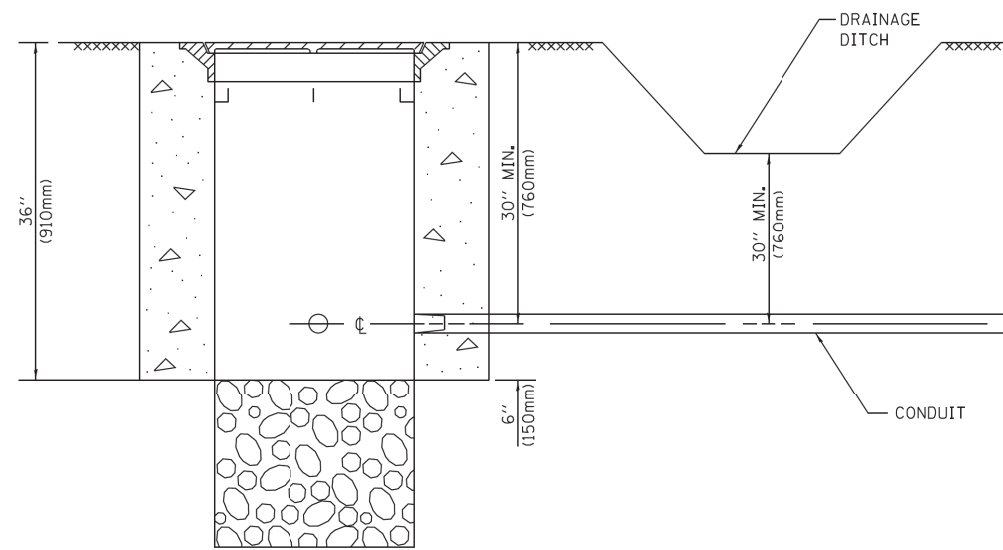
**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

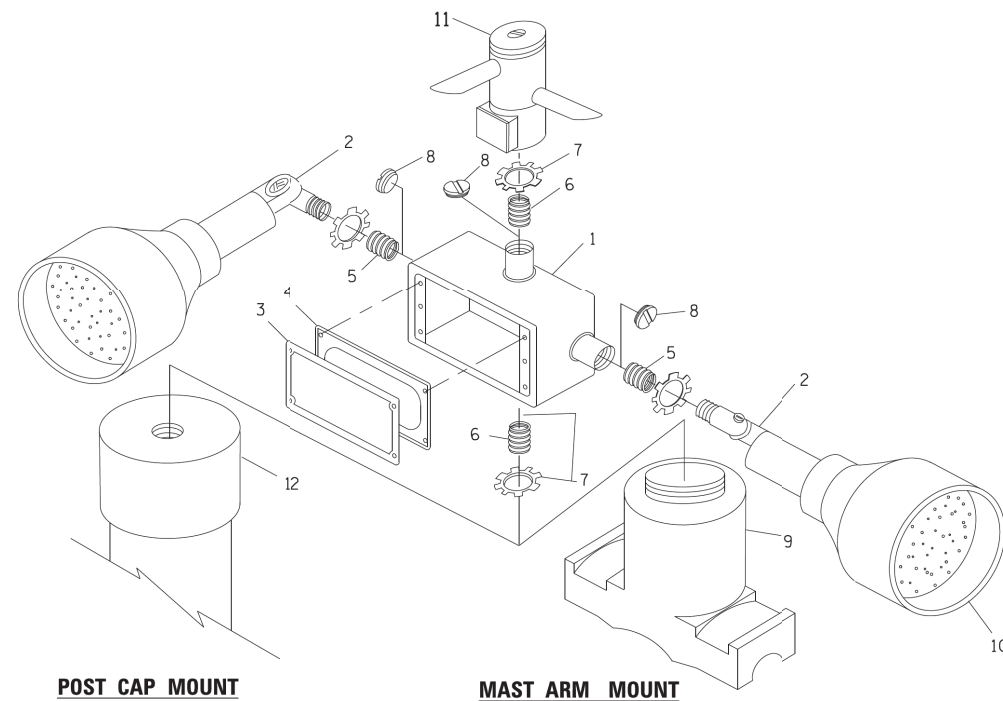
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



**NOTES:**

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

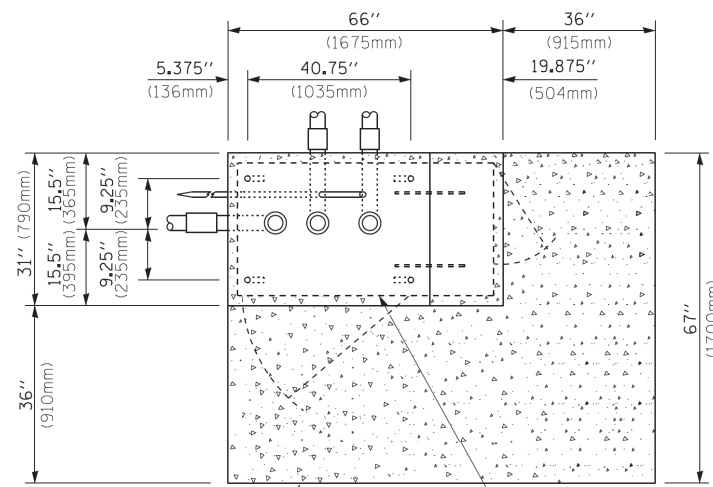
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



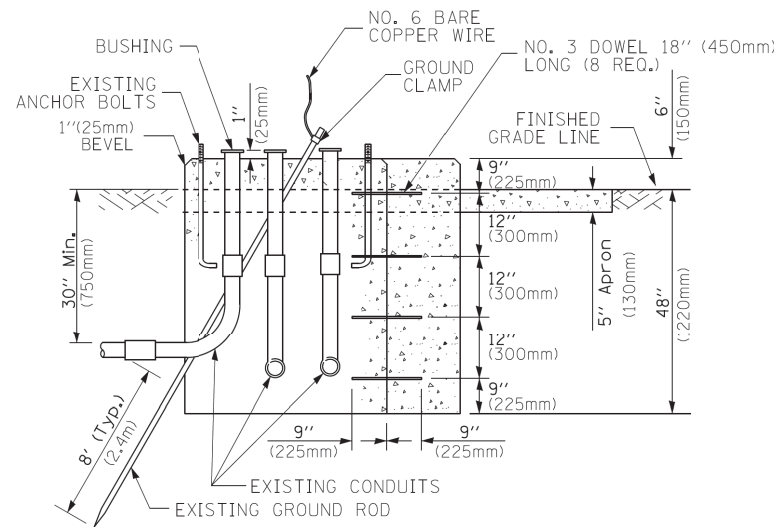
**POST CAP MOUNT**

**MAST ARM MOUNT**

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



**TOP VIEW**  
(NOT TO SCALE)

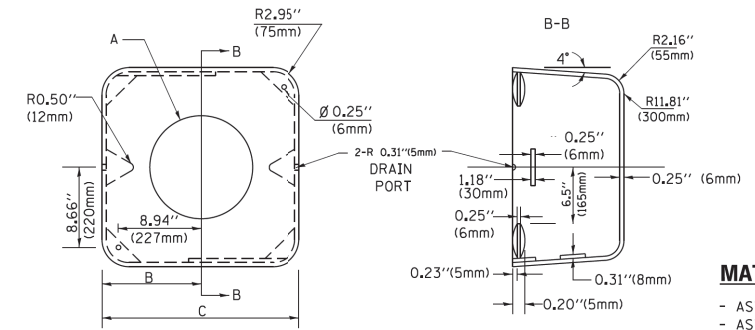


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

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



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

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

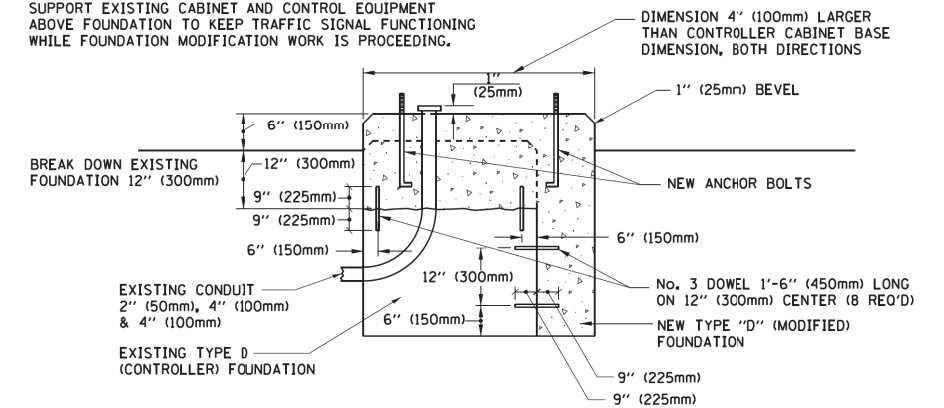
**SHROUD**

**NOTES:**

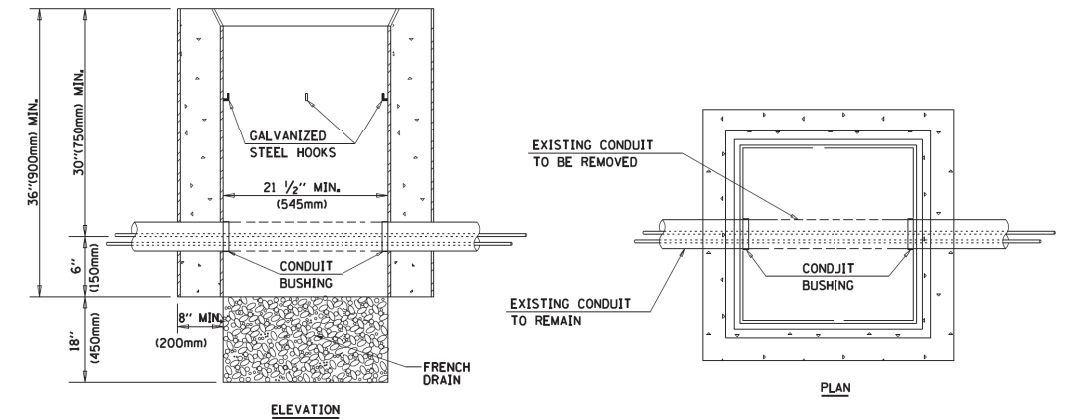
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

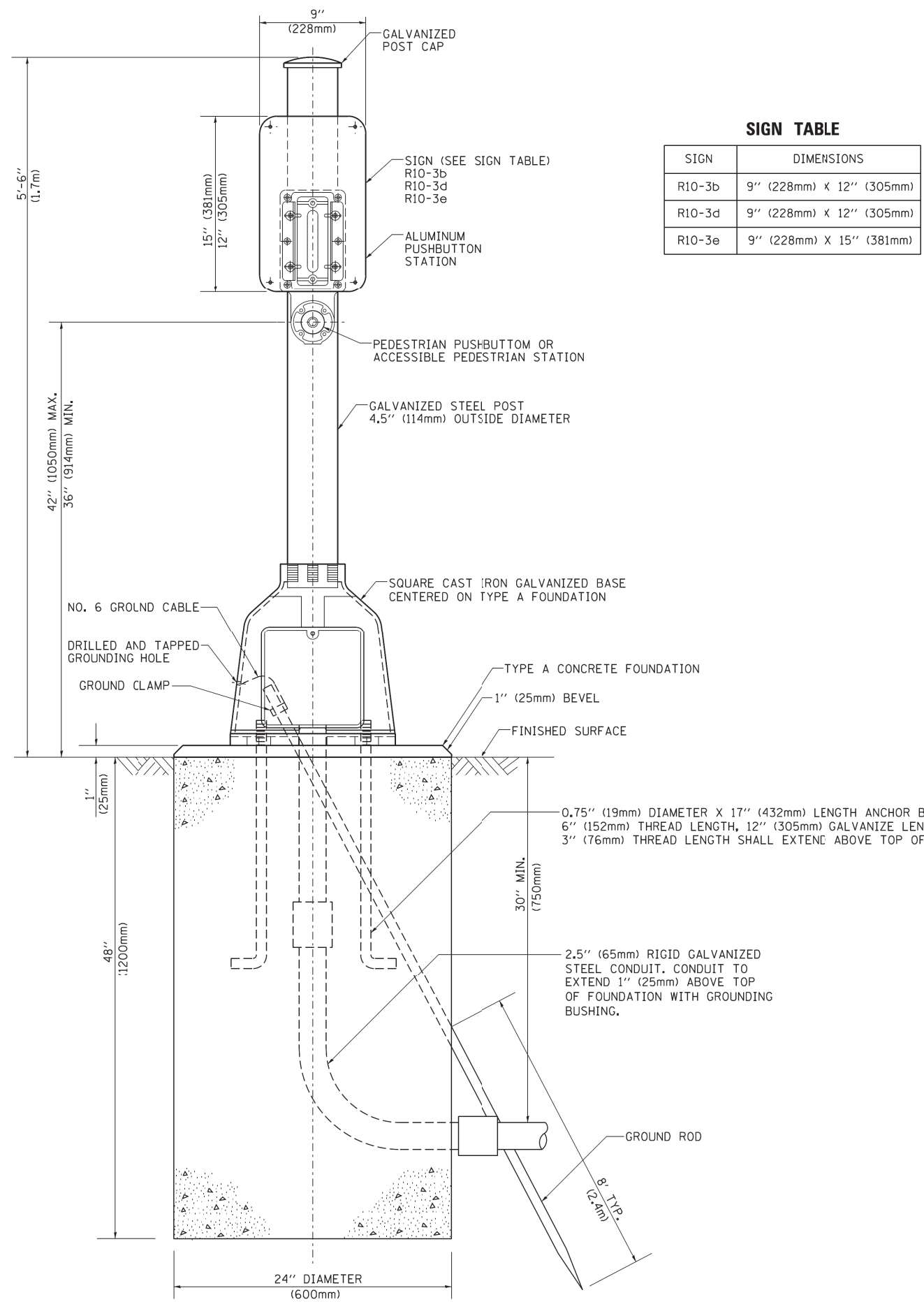
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

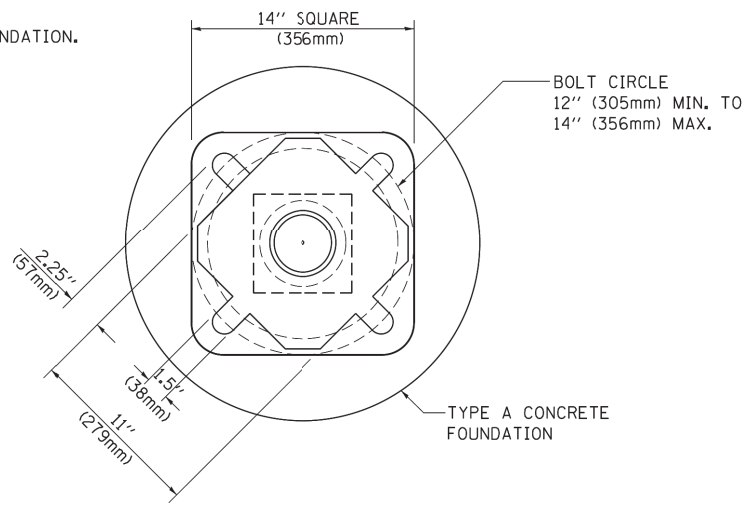
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F.A.P. RTE. 303	SECTION	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 68
TS-05		CONTRACT NO. 60T13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

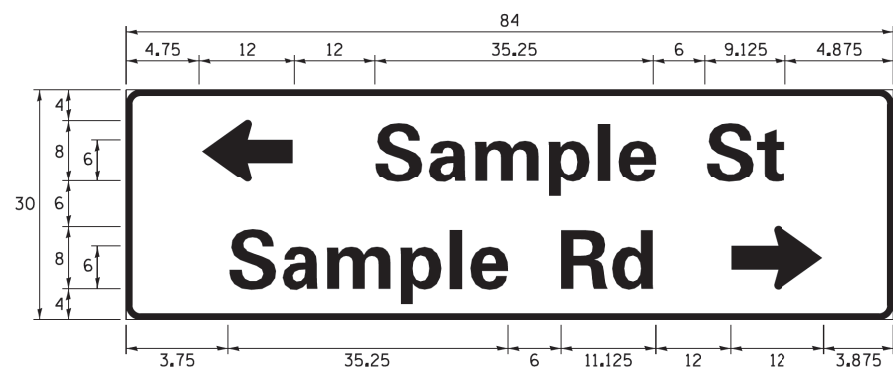
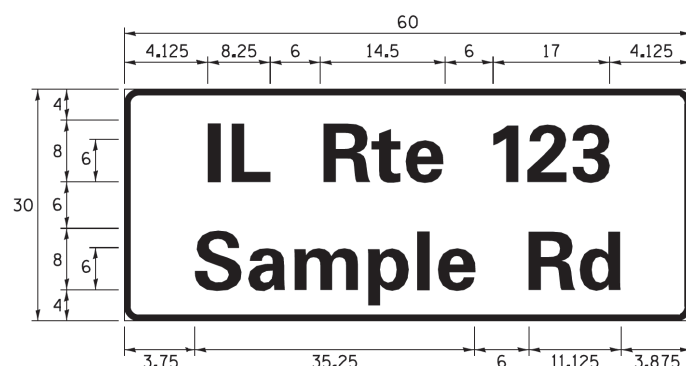
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PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303		MCHENRY	101	69
<b>TS-05</b>			<b>CONTRACT NO. 60T13</b>	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

### SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

### COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

### GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

#### LOCAL SUPPLIERS:

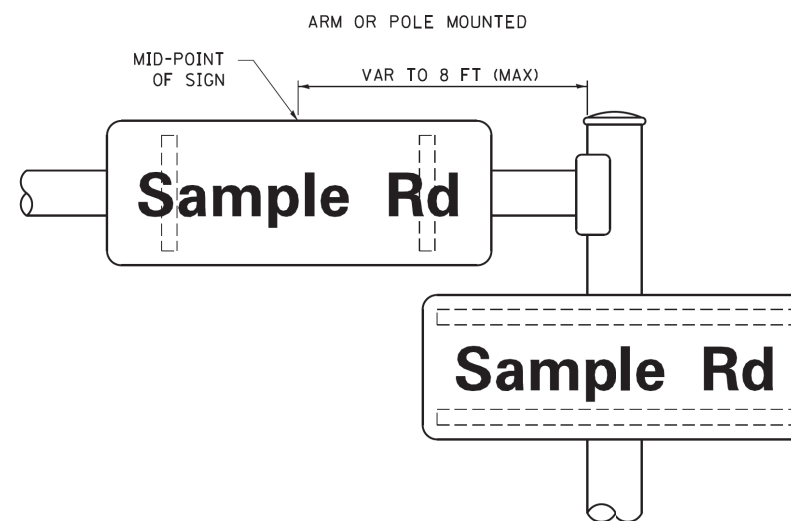
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

#### PARTS LISTING:

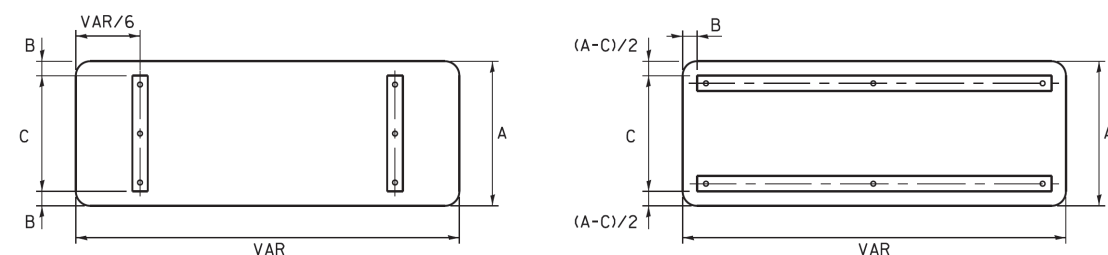
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)  
1/4" x 14 x 1" H.W.H. #3  
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

### MOUNTING LOCATION



### SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"

A	B	C
18"	2"	12"
30"	2"	22"

### STANDARD ALPHABETS SPACING CHART

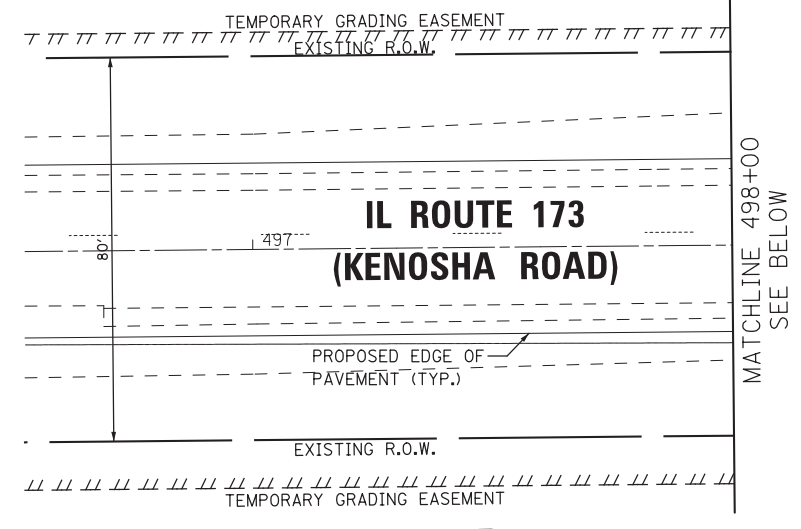
( 8" ) UPPER CASE AND ( 6" ) LOWER CASE

CHARACTER	FHWA SERIES "C"			FHWA SERIES "D"			
	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )	CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

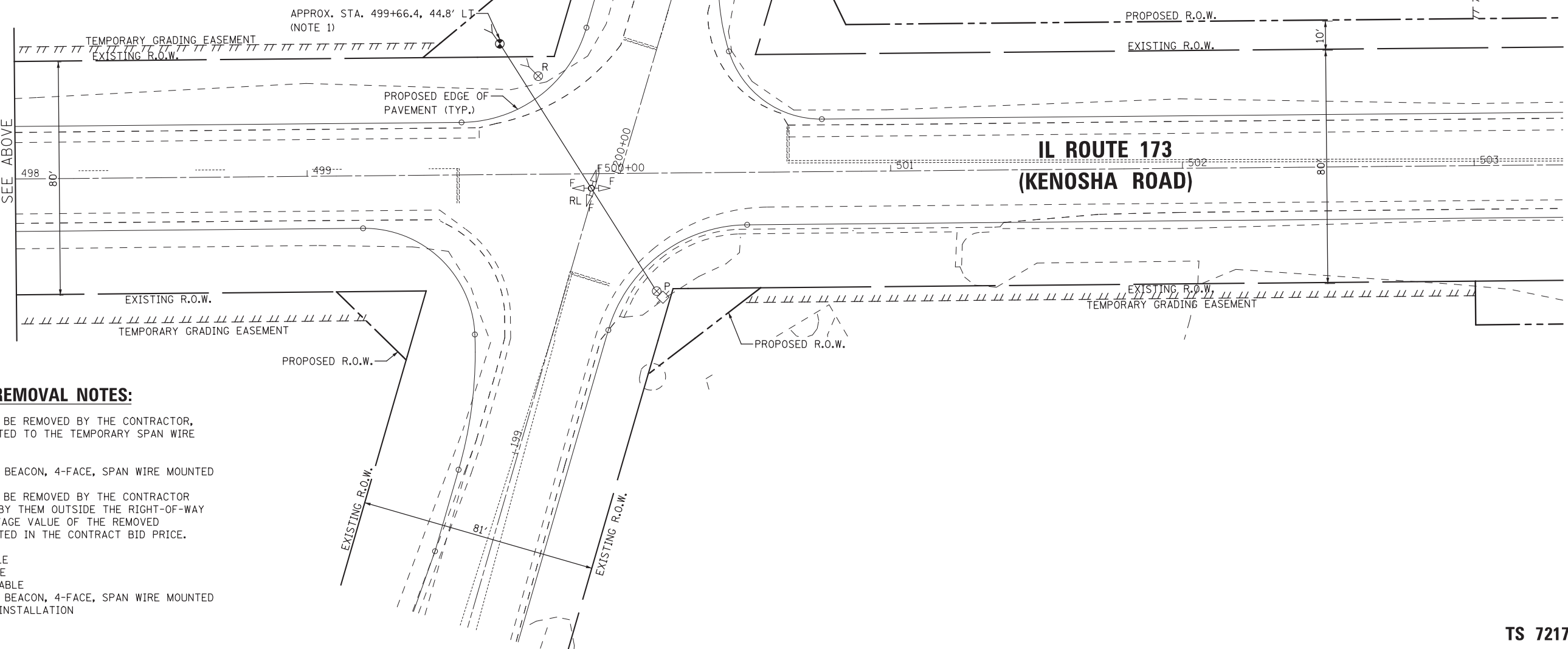


**NOTES:**

1. INSTALL A NEW WOOD POLE ON THE NORTHWEST CORNER WITH NEW SPAN WIRE TO THE EXISTING WOOD POLE ON THE SOUTHEAST CORNER. RELOCATE EXISTING FLASHING BEACON AND AERIAL CABLE TO THE NEW SPAN WIRE. REMOVE THE EXISTING WOOD POLE ON THE NORTHWEST CORNER AND EXISTING SPAN WIRE. UPON TURN-ON OF THE PROPOSED TRAFFIC SIGNAL INSTALLATION, THE FLASHING BEACON, WOOD POLES, SERVICE INSTALLATION, SPAN WIRE, AERIAL CABLE AND ALL ASSOCIATED EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OUTSIDE THE RIGHT-OF-WAY.
2. ALL STATION/OFFSETS ARE FROM THE CENTERLINE OF IL ROUTE 173 UNLESS OTHERWISE NOTED.



MATCHLINE 498+00  
SEE ABOVE



**RELOCATION AND REMOVAL NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE TEMPORARY SPAN WIRE INSTALLATION.

- 1 EACH FLASHING BEACON, 4-FACE, SPAN WIRE MOUNTED

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

- 3 EACH WOOD POLE
- 194 FOOT SPAN WIRE
- 210 FOOT AERIAL CABLE
- 1 EACH FLASHING BEACON, 4-FACE, SPAN WIRE MOUNTED
- 1 EACH SERVICE INSTALLATION

\\TS09\Temporary\Flasher\_Plan.dgn



USER NAME = LEP	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 7/30/2018	DATE - 7/30/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FLASHING BEACON RELOCATION AND REMOVAL PLAN  
IL ROUTE 173 (KENOSHA ROAD) AND WILMOT ROAD**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

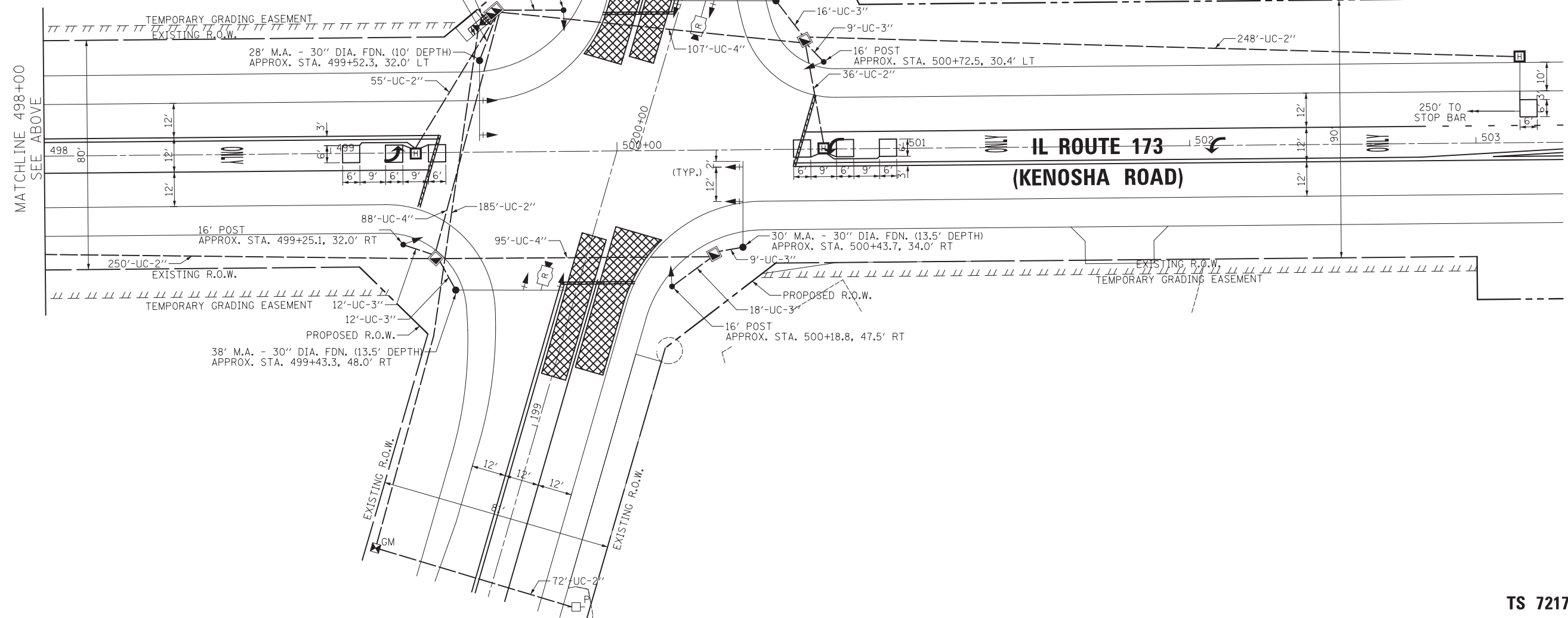
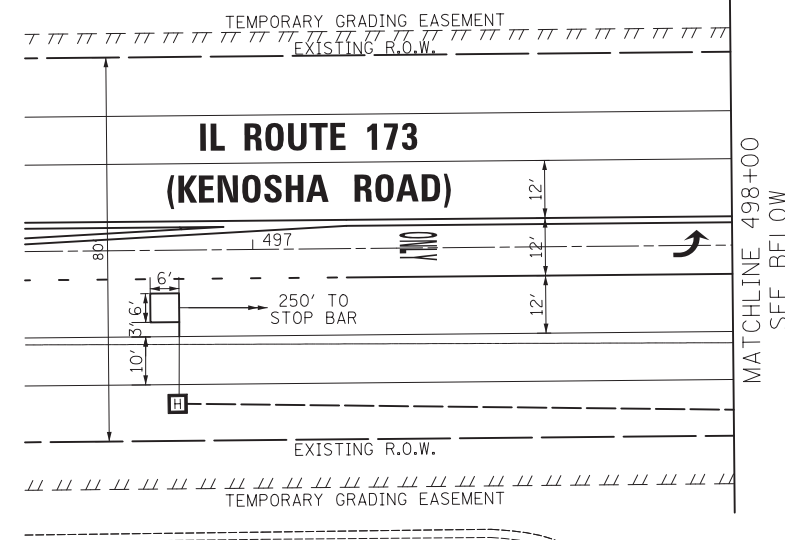
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303		MCHENRY	101	71
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

**TS 7217**



**NOTES:**

1. ALL STATION/OFFSETS ARE FROM THE CENTERLINE OF IL ROUTE 173 UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



I:\TS10-Traffic Signal Modernization Plans.dgn



USER NAME = jje	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/13/2018	DATE - 8/13/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
IL ROUTE 173 (KENOSHA ROAD) AND WILMOT ROAD**

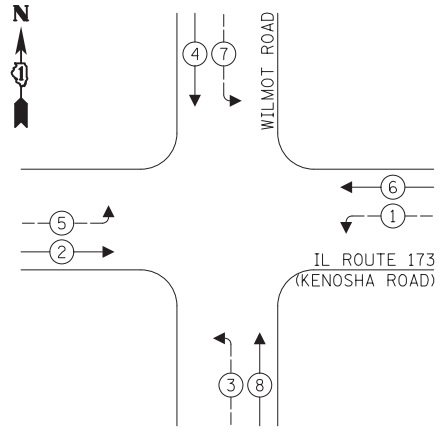
SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303		MCHENRY	101	72
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

**TS 7217**

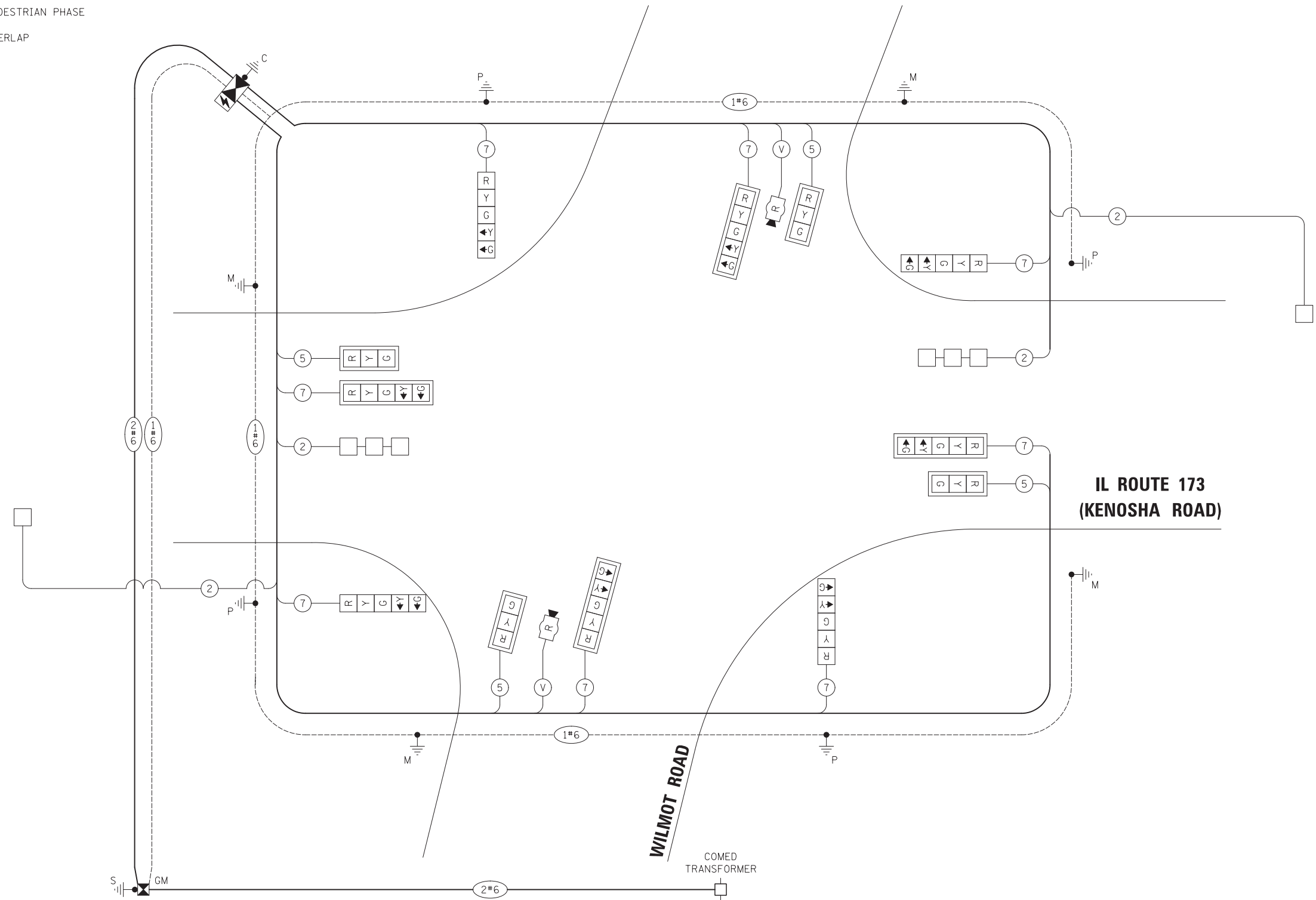


**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
RADAR DETECTOR	2	50	100	100.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				383.8

ENERGY COSTS TO:  
ILLINOIS DEPT. OF TRANSPORTATION  
201 W. CENTER COURT  
SCHAUMBURG, IL 60196-1096  
ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED



USER NAME = LEP	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - LEP	REVISED -
PLOT DATE = 7/30/2018	CHECKED - JJE	REVISED -
	DATE - 7/30/2018	REVISED -

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

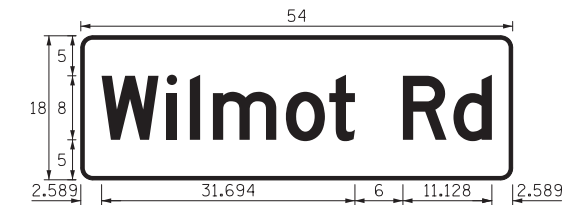
**CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
**IL ROUTE 173 (KENOSHA ROAD) AND WILMOT ROAD**  
SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 73
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

**TS 7217**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	14
SIGN PANEL - TYPE 2	SQ FT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	846
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	116
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	310
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATON	EACH	1
SPAN WIRE	FOOT	106
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	724
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1400
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1163
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	298
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	766
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	51
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	275
RELOCATE EXISTING FLASHING BEACON	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	1
REMOVE SPAN WIRE	FOOT	194
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AERIAL CABLE	FOOT	210



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	TYPE 1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.75	TYPE 2	ZZ	2

\\TS12.MAM\Sigs and Summary of Quantities.dgn



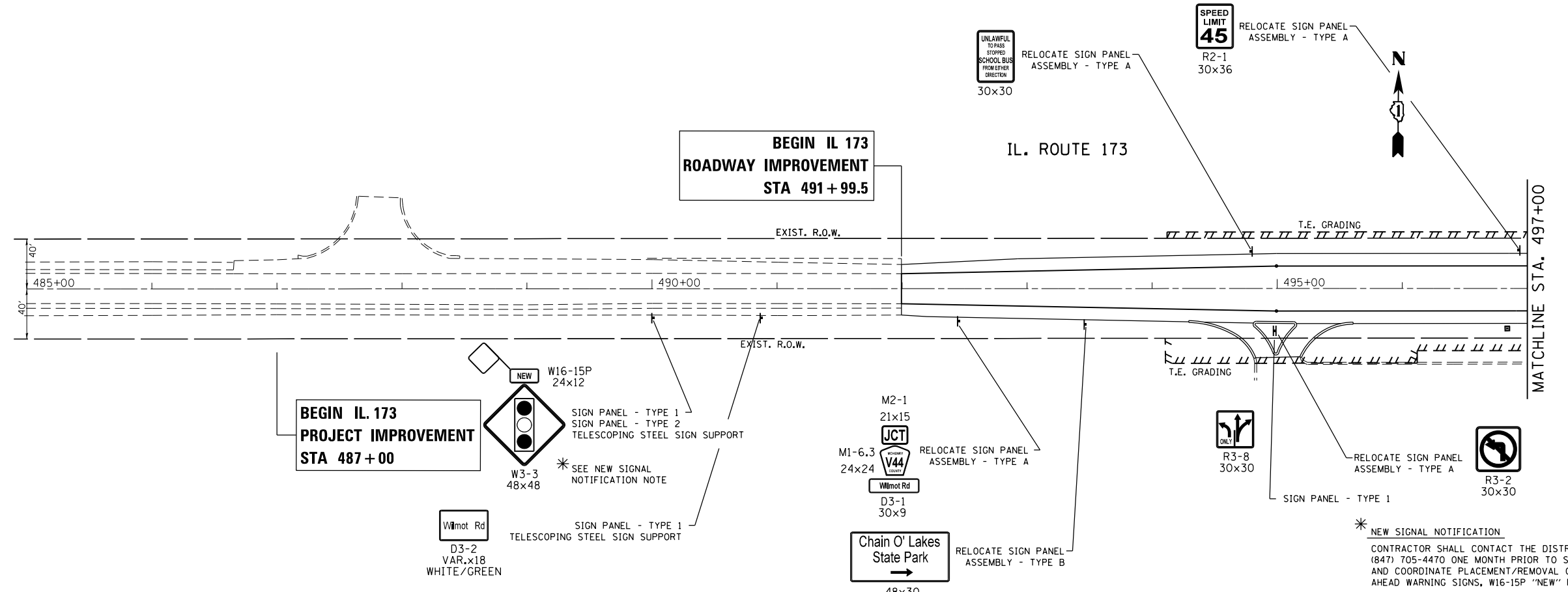
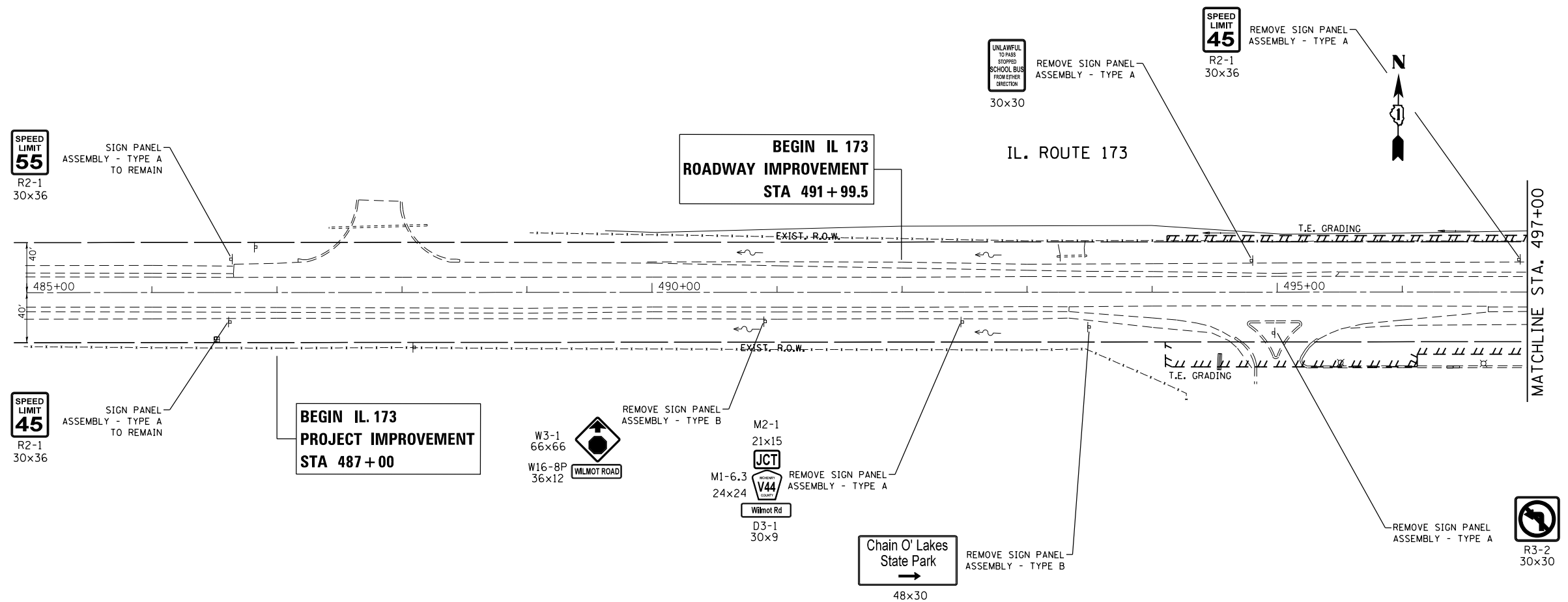
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PLOT SCALE = 20.0000' / in.	DRAWN - LEP	REVISED -
PLOT DATE = 7/30/2018	CHECKED - JJE	REVISED -
	DATE - 7/30/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES</b>			
<b>IL ROUTE 173 (KENOSHA ROAD) AND WILMOT ROAD</b>			
SCALE: NO SCALE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 303	SECTION	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 74
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

**TS 7217**



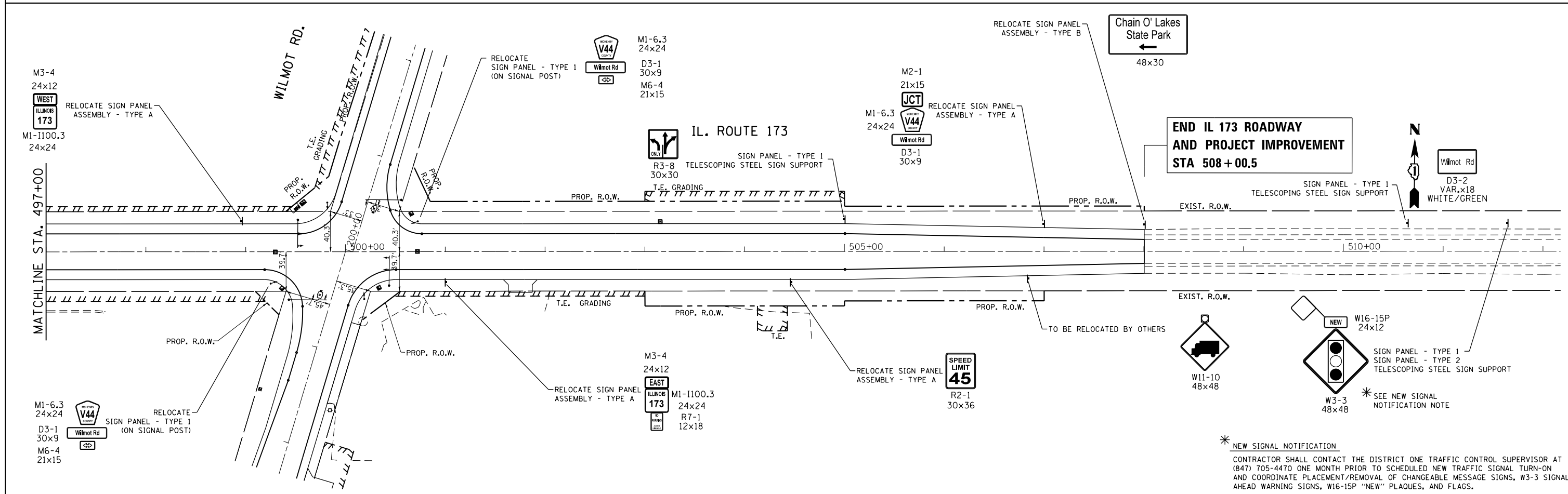
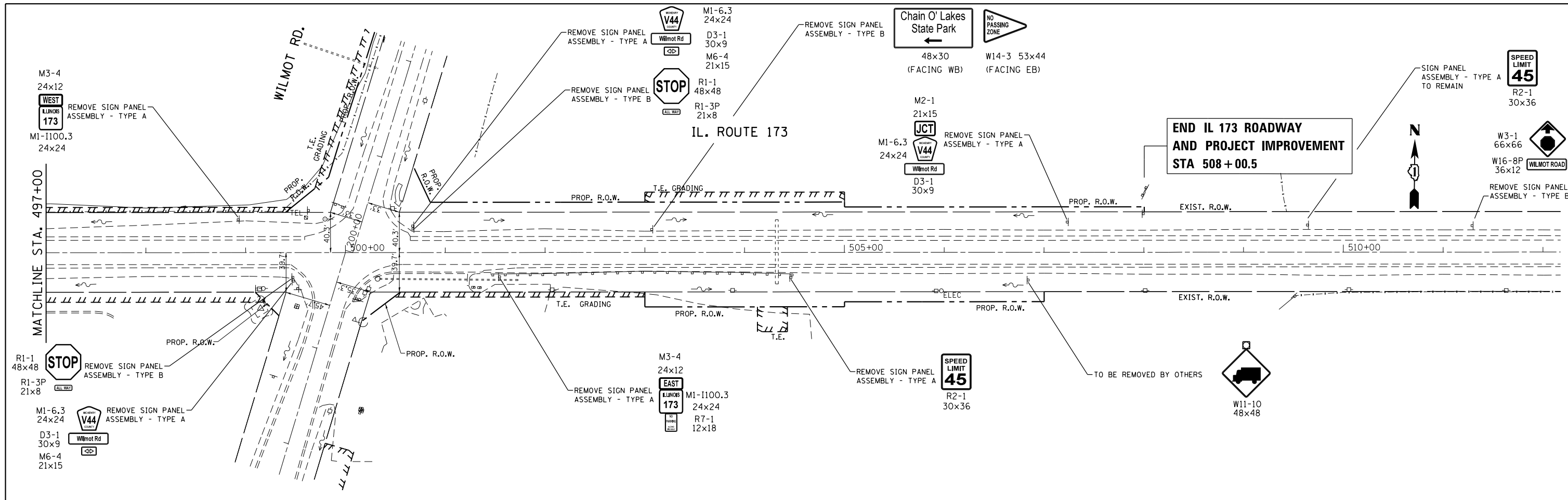
\* NEW SIGNAL NOTIFICATION  
 CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 ONE MONTH PRIOR TO SCHEDULED NEW TRAFFIC SIGNAL TURN-ON AND COORDINATE PLACEMENT/REMOVAL OF CHANGEABLE MESSAGE SIGNS, W3-3 SIGNAL AHEAD WARNING SIGNS, W16-15P "NEW" PLAQUES, AND FLAGS.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018
p:\IL\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P146109\Design\P146109-signs.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 10/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED SIGNING PLAN</b>			
<b>IL. ROUTE 173 AT WILMOT ROAD</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
			STA. 491+00.00 TO STA. 517+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	75
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



\* NEW SIGNAL NOTIFICATION  
 CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 ONE MONTH PRIOR TO SCHEDULED NEW TRAFFIC SIGNAL TURN-ON AND COORDINATE PLACEMENT/REMOVAL OF CHANGEABLE MESSAGE SIGNS, W3-3 SIGNAL AHEAD WARNING SIGNS, W16-15P "NEW" PLAQUES, AND FLAGS.

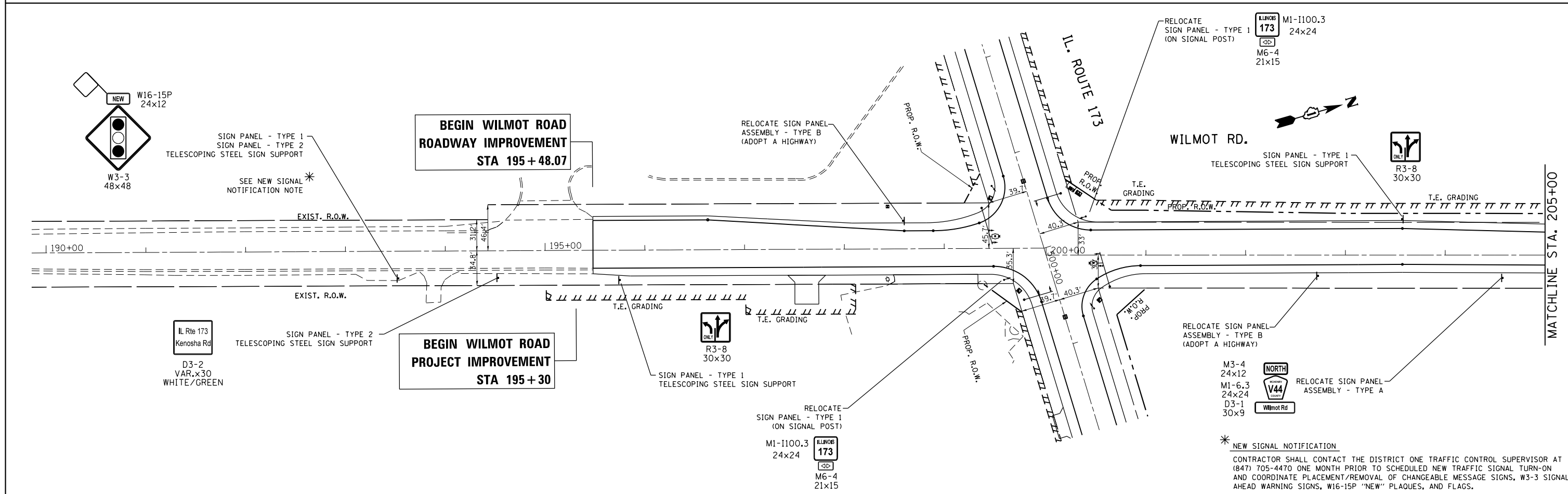
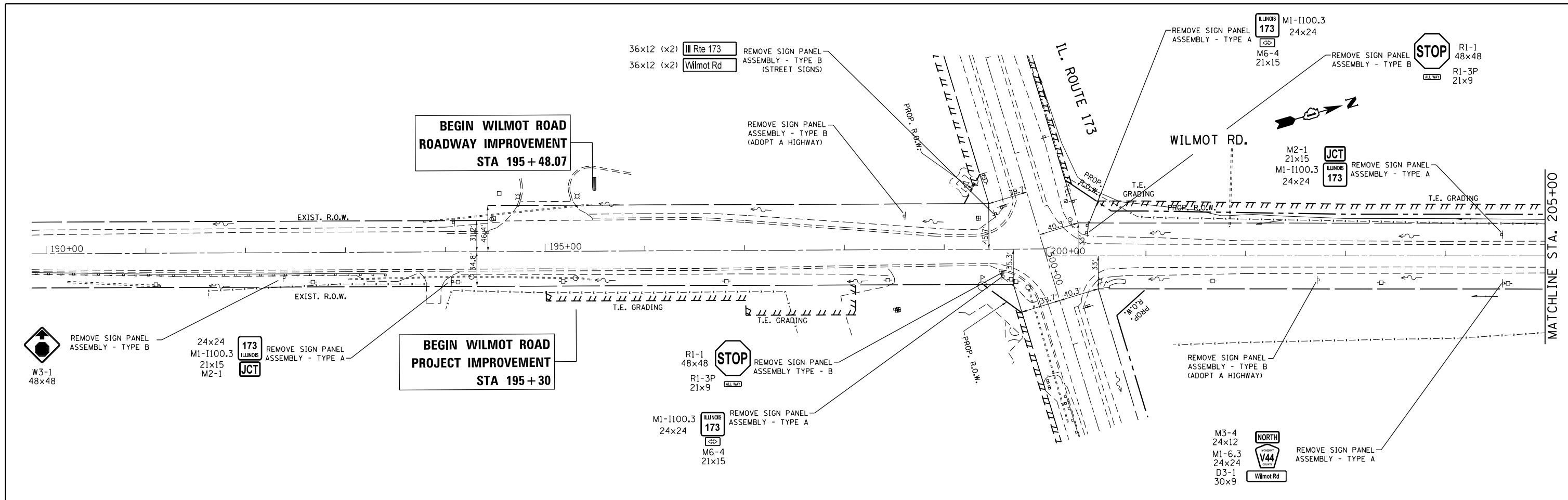
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Default		CHECKED -	REVISED -
	PLOT DATE = 10/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED SIGNING PLAN  
 IL. ROUTE 173 AT WILMOT ROAD**

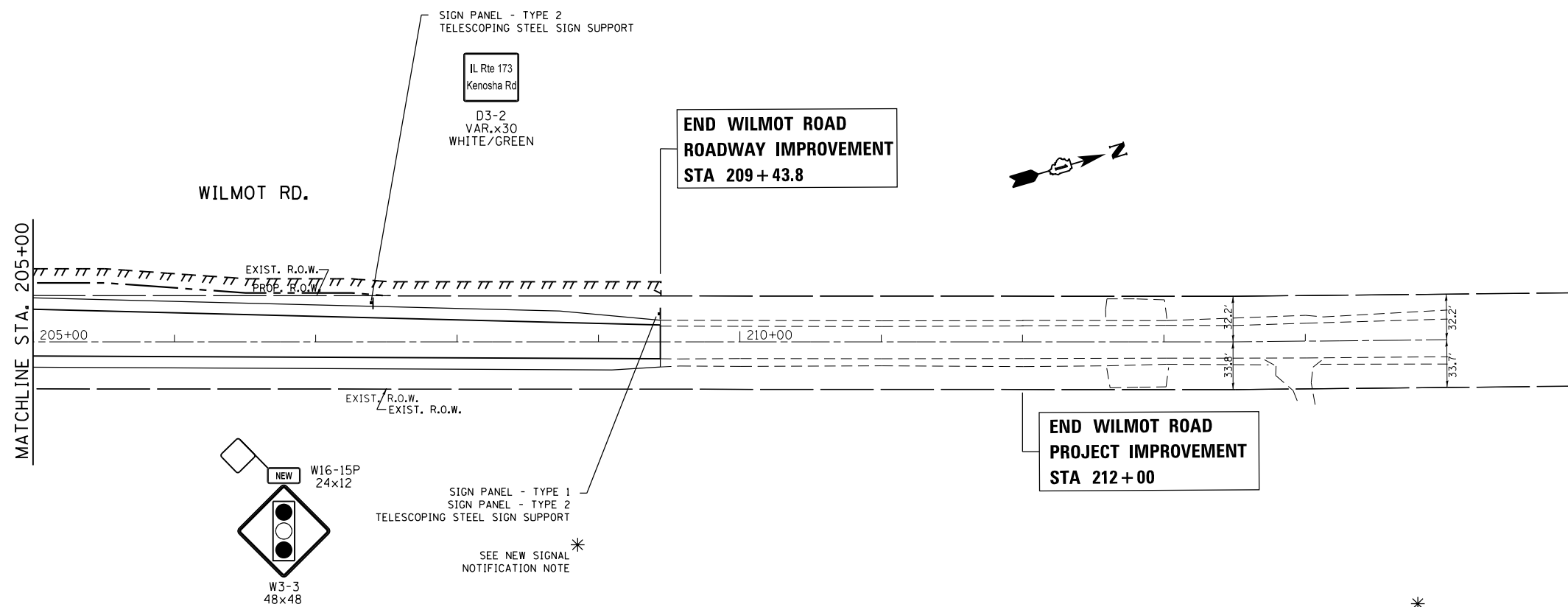
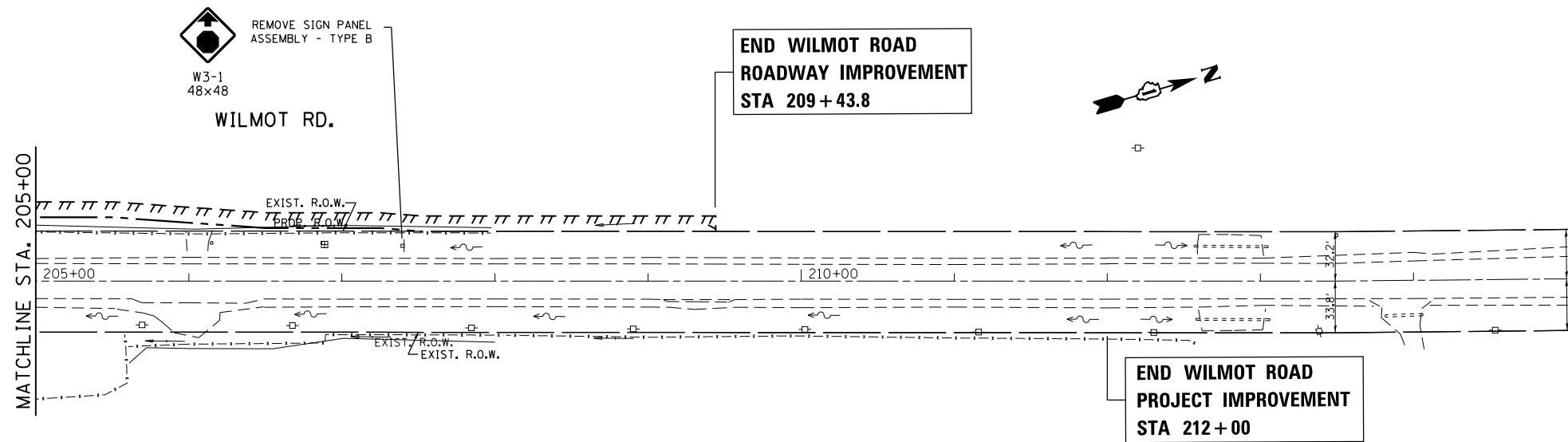
SCALE: 1" = 50'      SHEET      OF      SHEETS      STA. 491+00.00      TO      STA. 517+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	76
			CONTRACT NO. 60T13	
ILLINOIS FED. AID PROJECT				



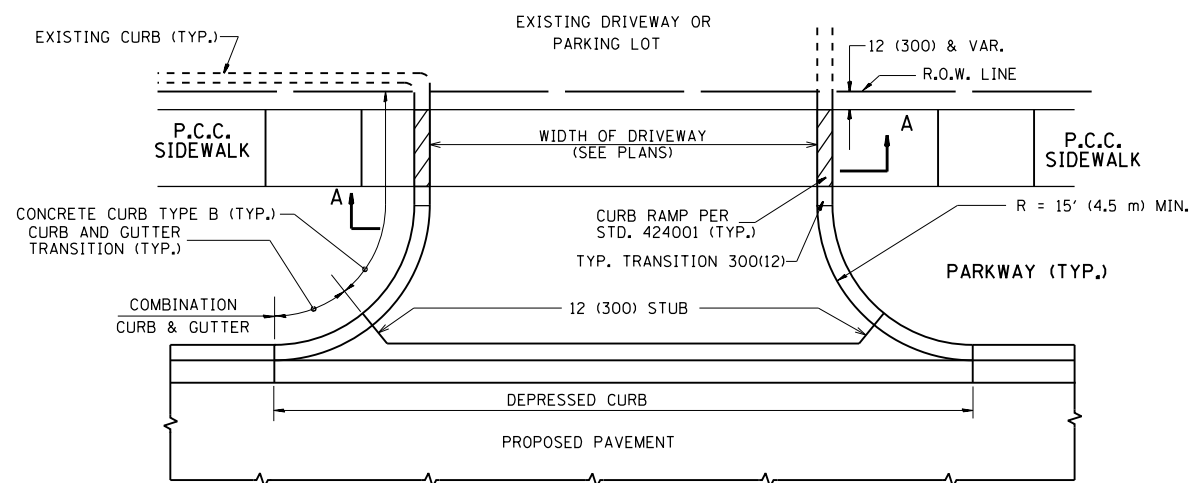
\* NEW SIGNAL NOTIFICATION  
 CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 ONE MONTH PRIOR TO SCHEDULED NEW TRAFFIC SIGNAL TURN-ON AND COORDINATE PLACEMENT/REMOVAL OF CHANGEABLE MESSAGE SIGNS, W3-3 SIGNAL AHEAD WARNING SIGNS, W16-15P "NEW" PLAQUES, AND FLAGS.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED SIGNING PLAN IL. ROUTE 173 AT WILMOT ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P146109\Design\PI46109-signs.dgn		CHECKED -	REVISED -		303	134N-1	MCHENRY	101	77			
Default		PLOT SCALE = 100.0000' / in.	REVISED -		CONTRACT NO. 60T13							
		PLOT DATE = 10/1/2018	REVISED -		SCALE: 1" = 50'				SHEET OF SHEETS STA. 491+00.00 TO STA. 517+00.00		ILLINOIS FED. AID PROJECT	

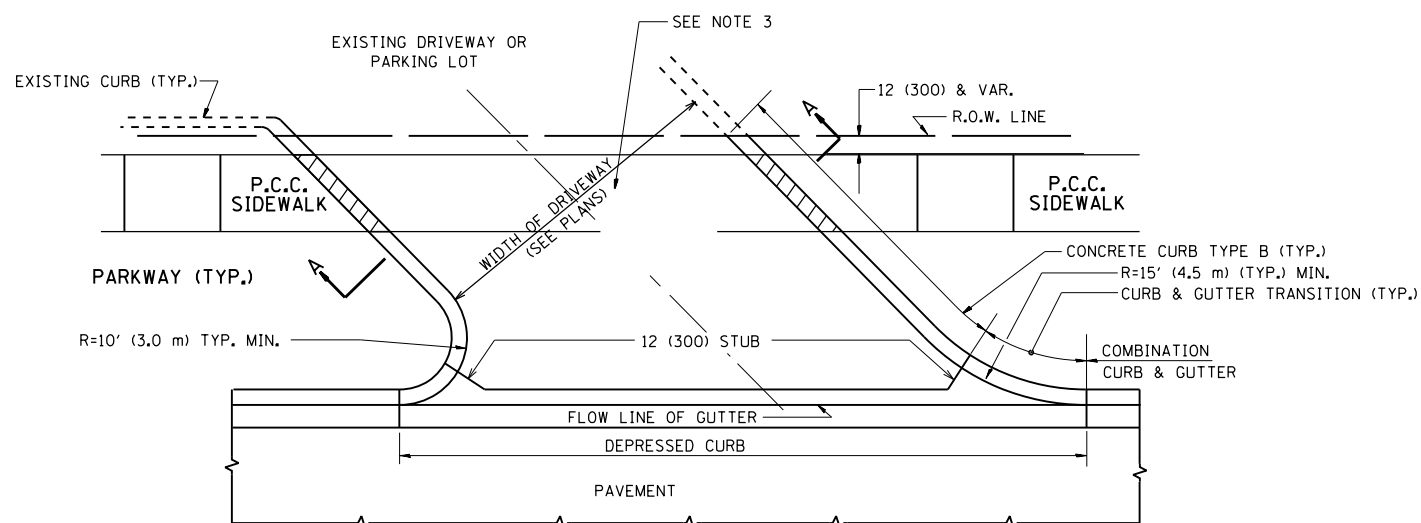


\* NEW SIGNAL NOTIFICATION  
CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 ONE MONTH PRIOR TO SCHEDULED NEW TRAFFIC SIGNAL TURN-ON AND COORDINATE PLACEMENT/REMOVAL OF CHANGEABLE MESSAGE SIGNS, W3-3 SIGNAL AHEAD WARNING SIGNS, W16-15P "NEW" PLAQUES, AND FLAGS.

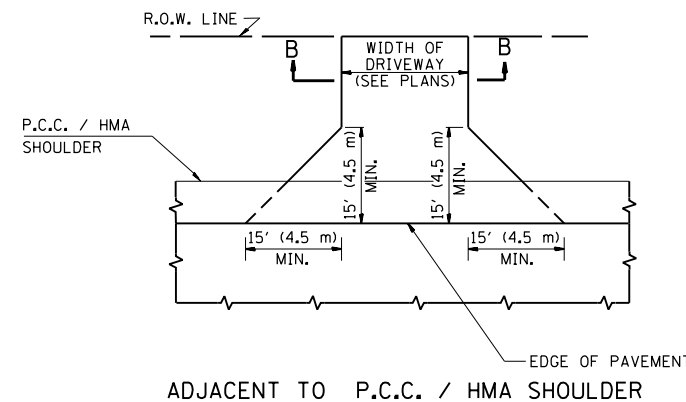
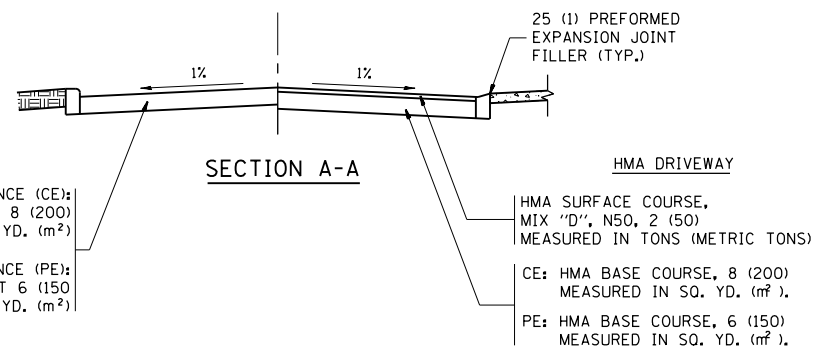
FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED SIGNING PLAN IL. ROUTE 173 AT WILMOT ROAD</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P146109\Meta\Design\P146109-signs.dgn		CHECKED -	REVISED -		303	134N-1	MCHENRY	101	78				
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 60T13				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/1/2018		REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA. 491+00.00	TO STA. 517+00.00			



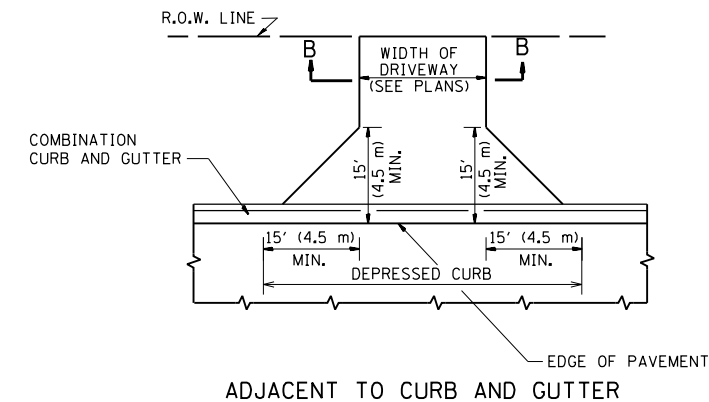
WITH CONCRETE CURB, TYPE B



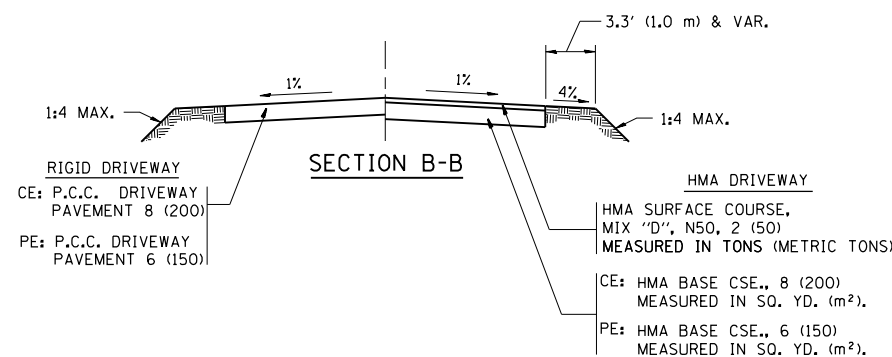
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

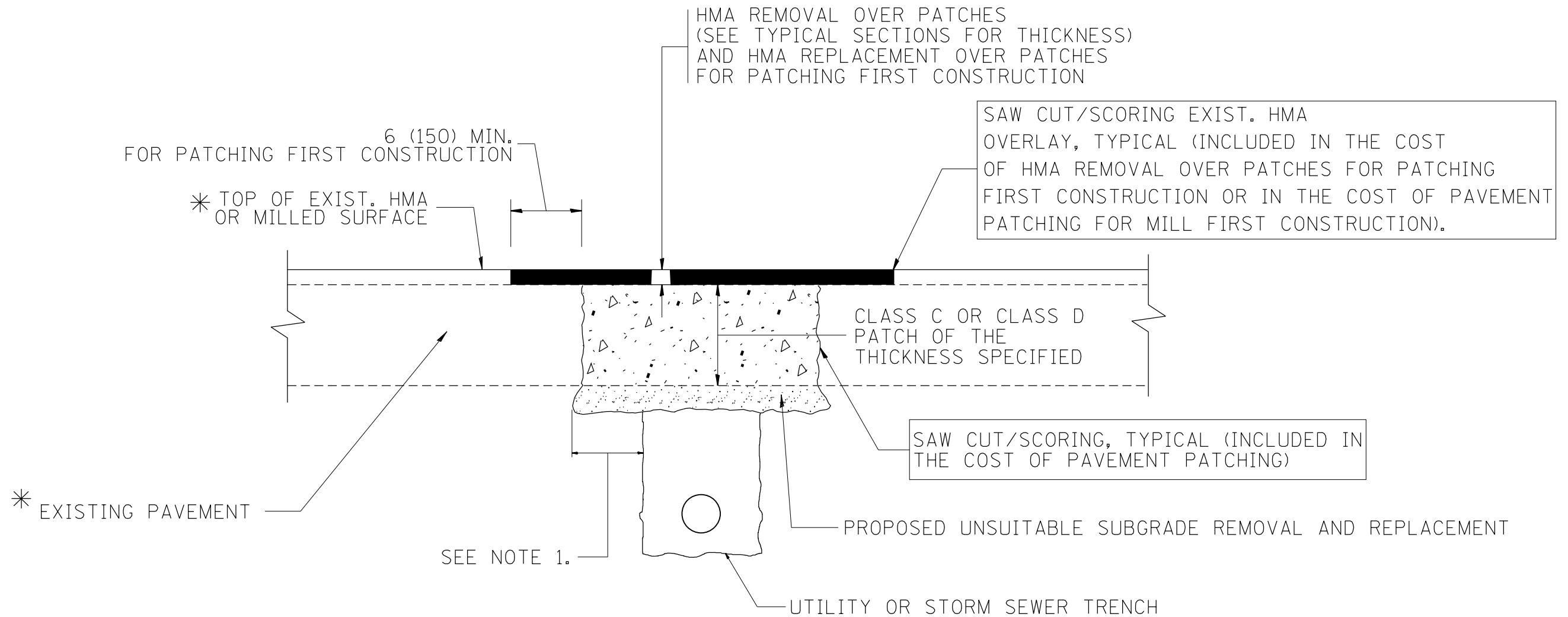
FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI4800\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08
			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.  
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	79
BD0156-07 (BD-01)			CONTRACT NO. 60T13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

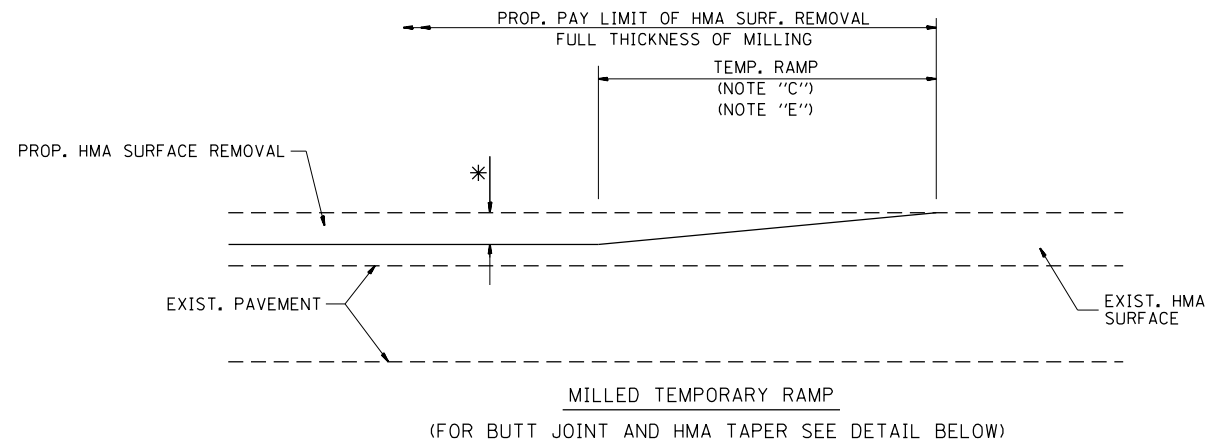
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

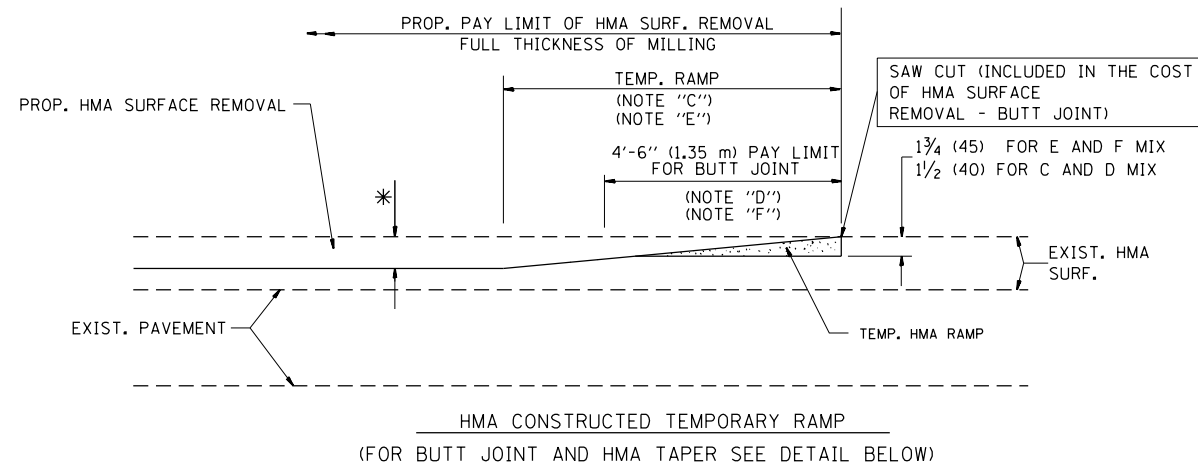
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = toriafm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P1480\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					303	134N-1	MCHENRY	101	80
	PLOT DATE = 8/15/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			<b>CONTRACT NO. 60T13</b>				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**OPTION 1**

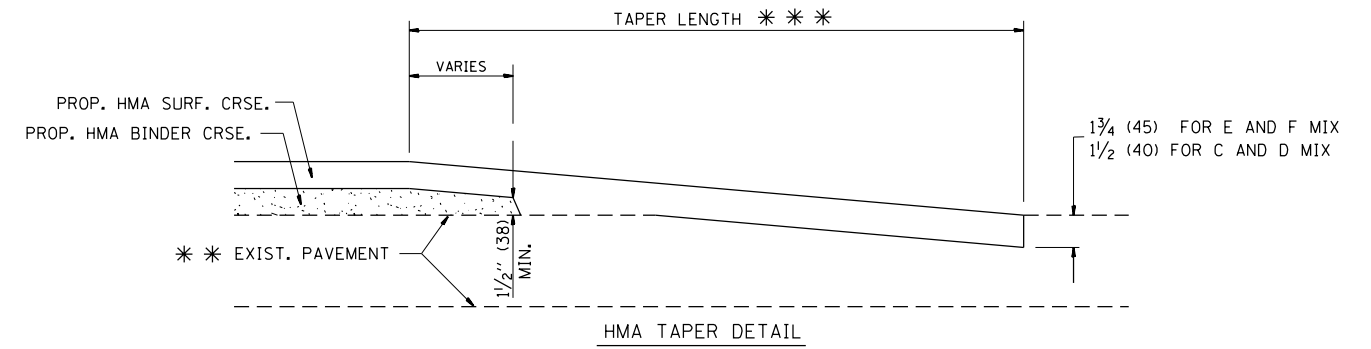


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

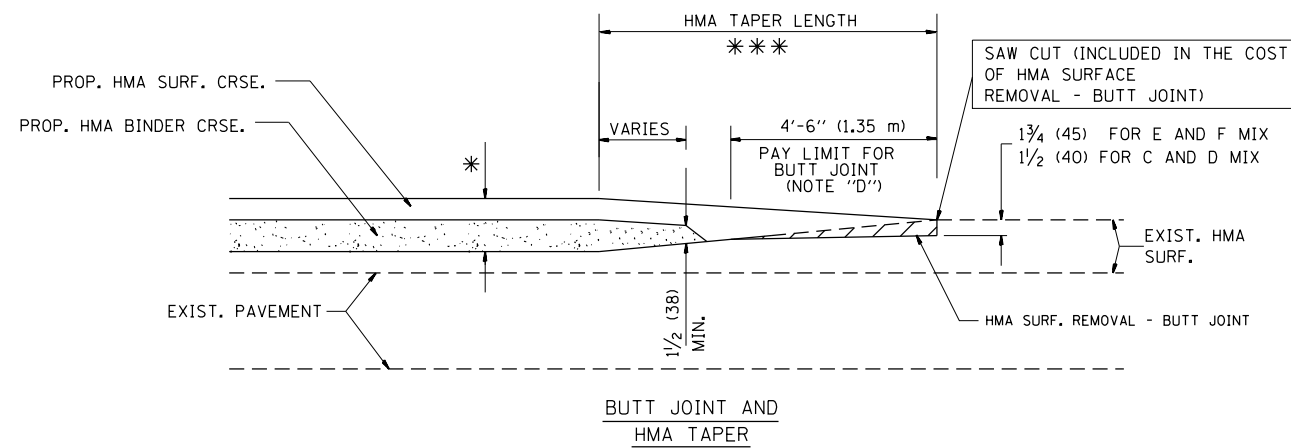
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



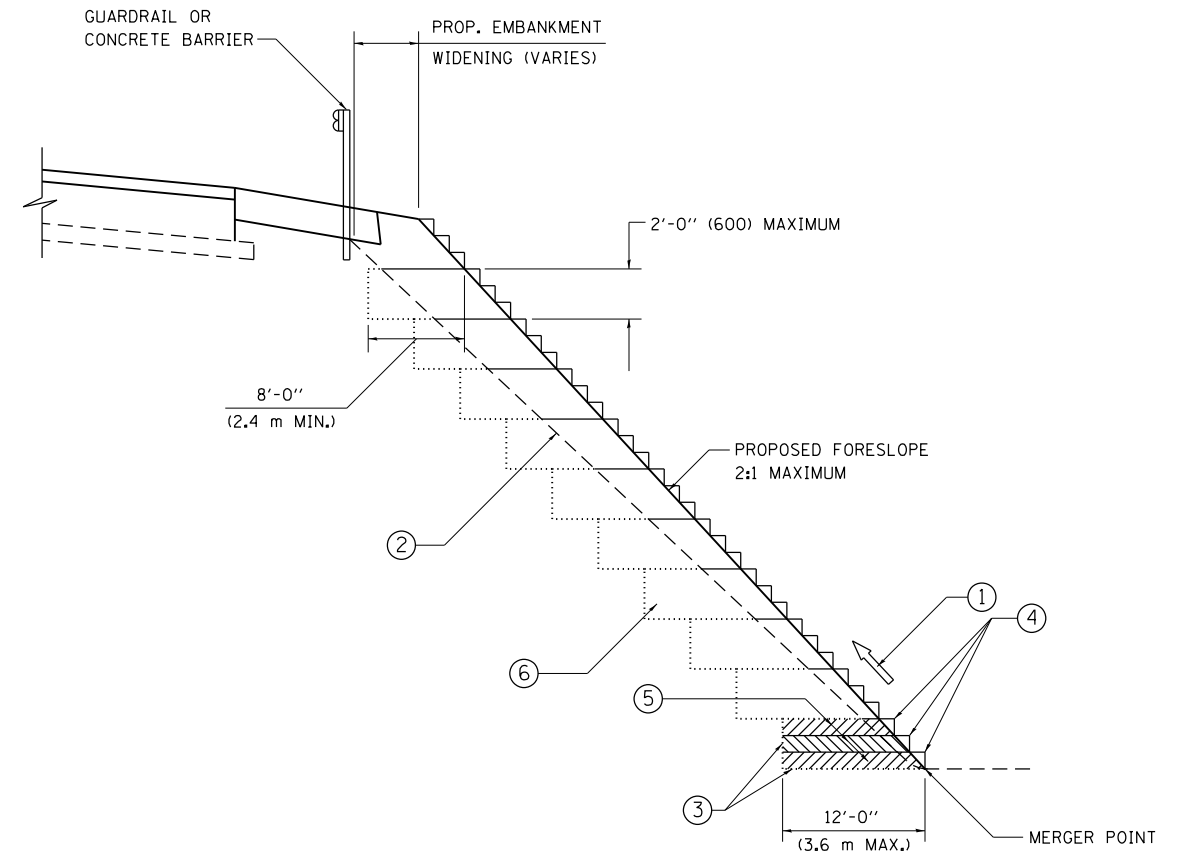
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME =	USER NAME = tar1qfm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI480\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 8/15/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	81
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 60T13</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

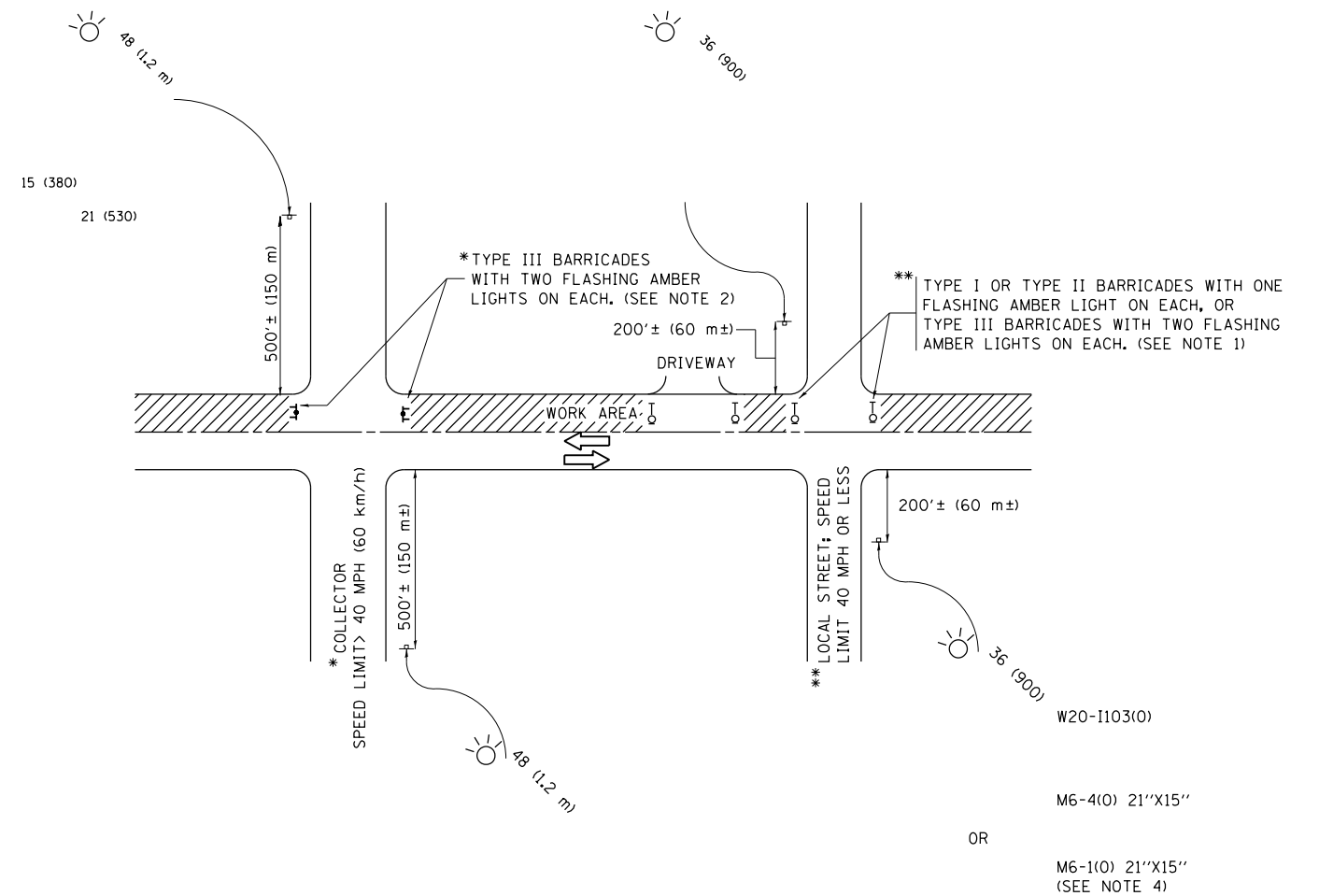
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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Default	PLOT DATE = 8/15/2018	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BENCHING DETAIL FOR EMBANKMENT WIDENING</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	82
<b>BD-51</b>		CONTRACT NO. 60T13		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

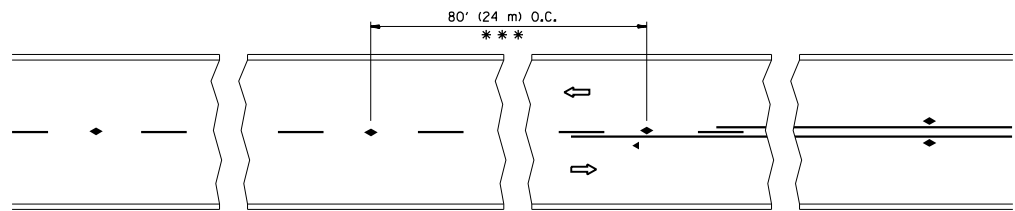
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 8/15/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

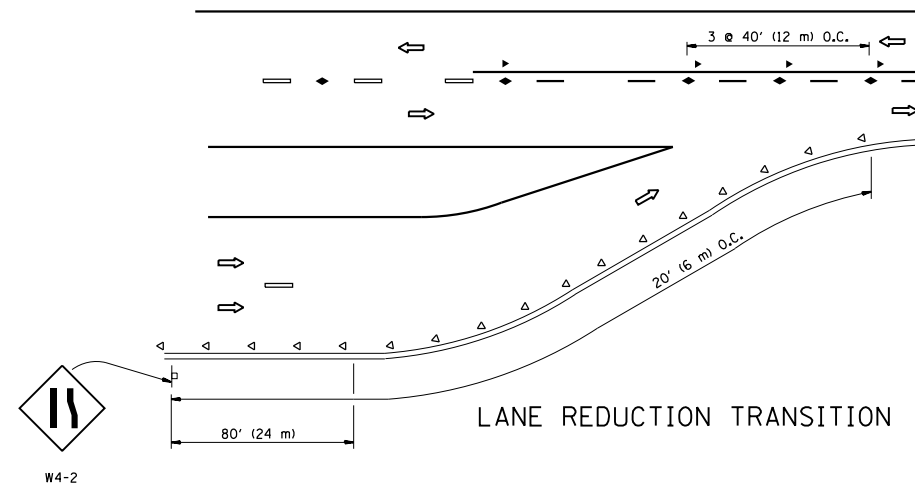
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	83
<b>TC-10</b>			<b>CONTRACT NO. 60T13</b>	
ILLINOIS FED. AID PROJECT				

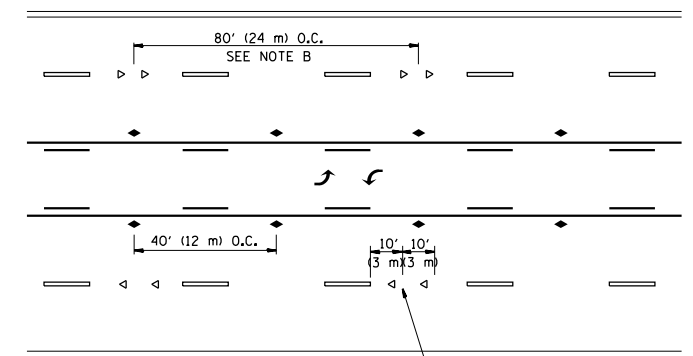


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

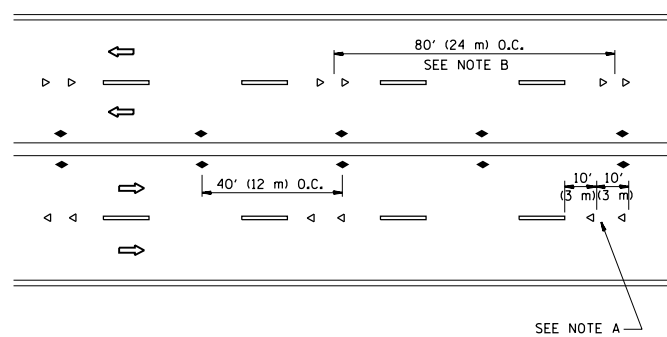
TWO-LANE/TWO-WAY



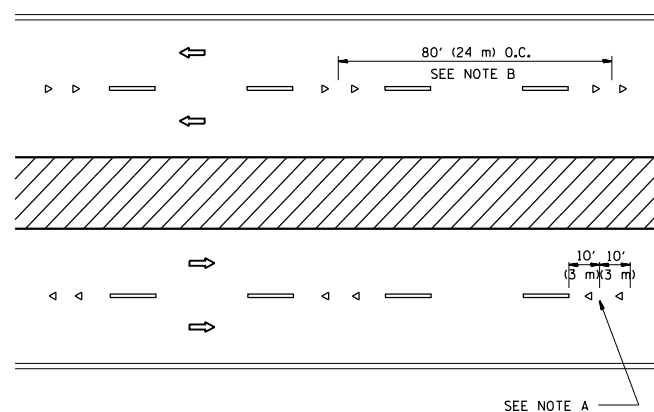
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

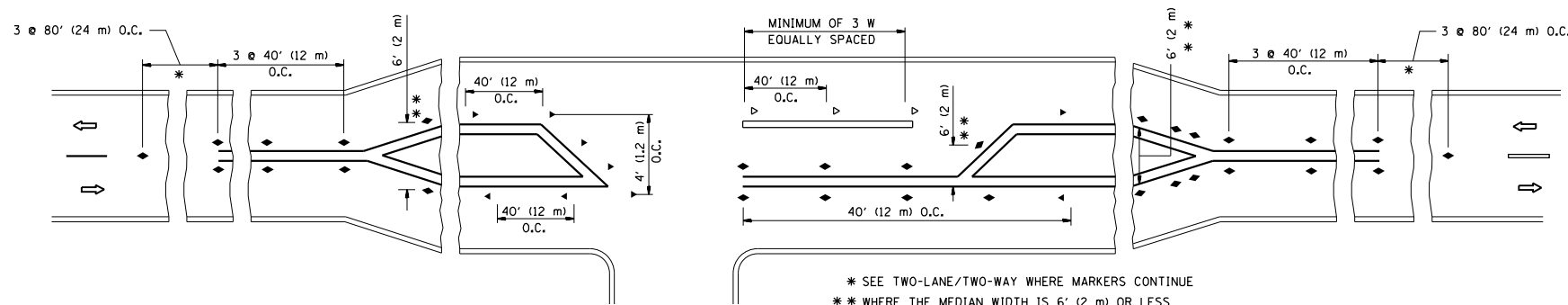
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

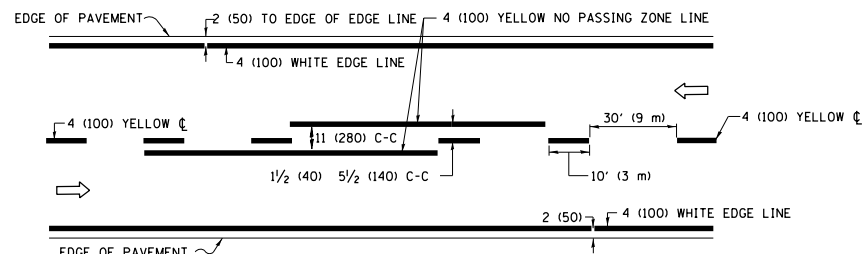
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
p:\11\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P1480\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99
		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

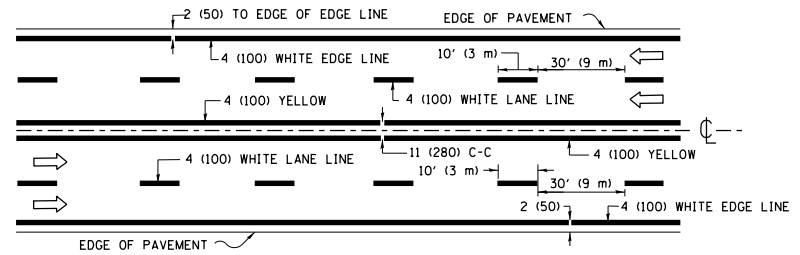
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

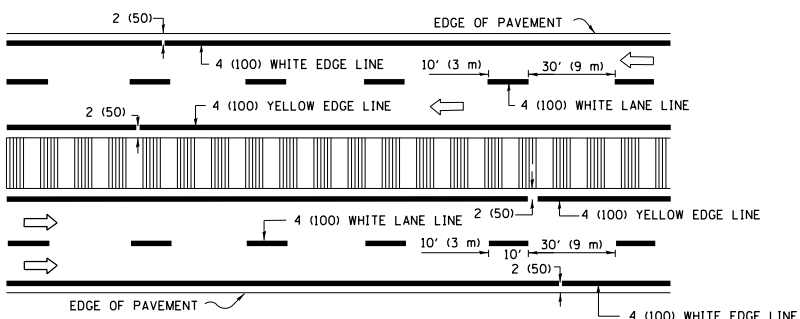
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	84
TC-11			CONTRACT NO. 60T13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

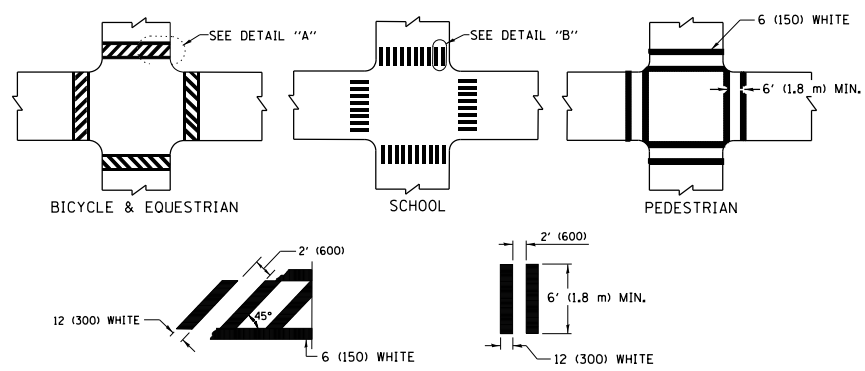


**MULTI-LANE UNDIVIDED**



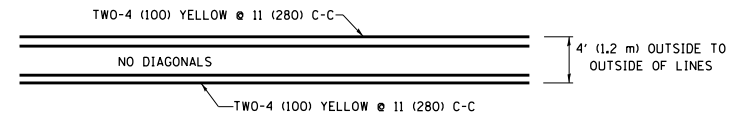
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

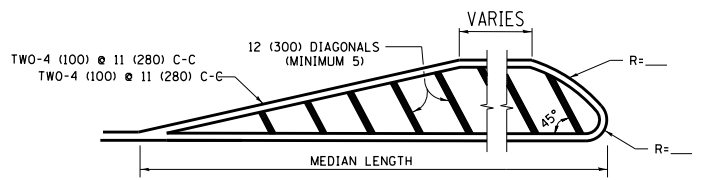


**TYPICAL CROSSWALK MARKING**

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

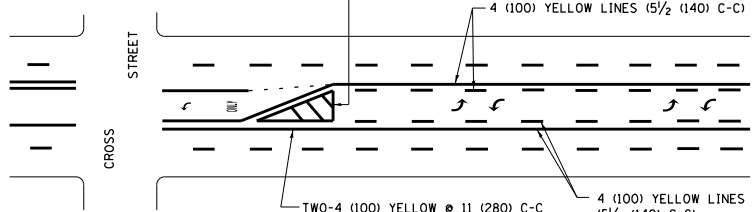


**4' (1.2 m) WIDE MEDIANS ONLY**



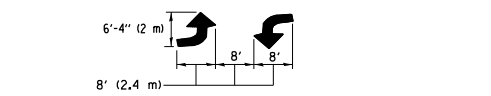
**MEDIANS OVER 4' (1.2 m) WIDE**

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



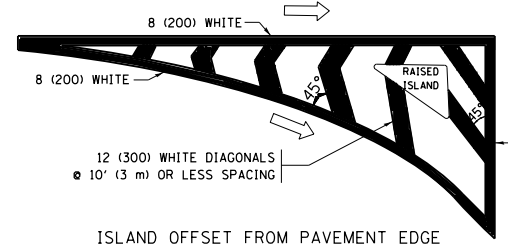
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

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

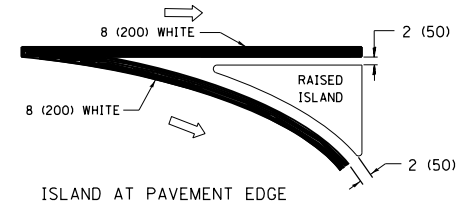


**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

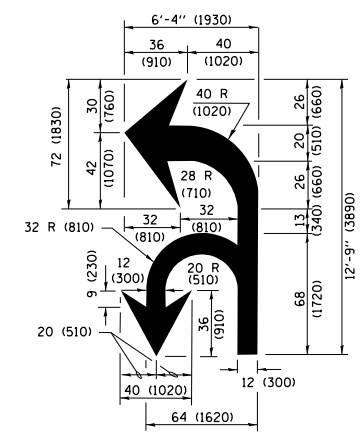
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



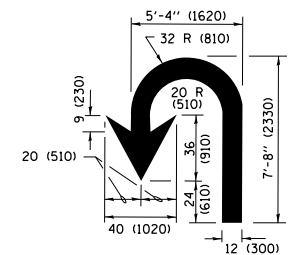
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

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

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

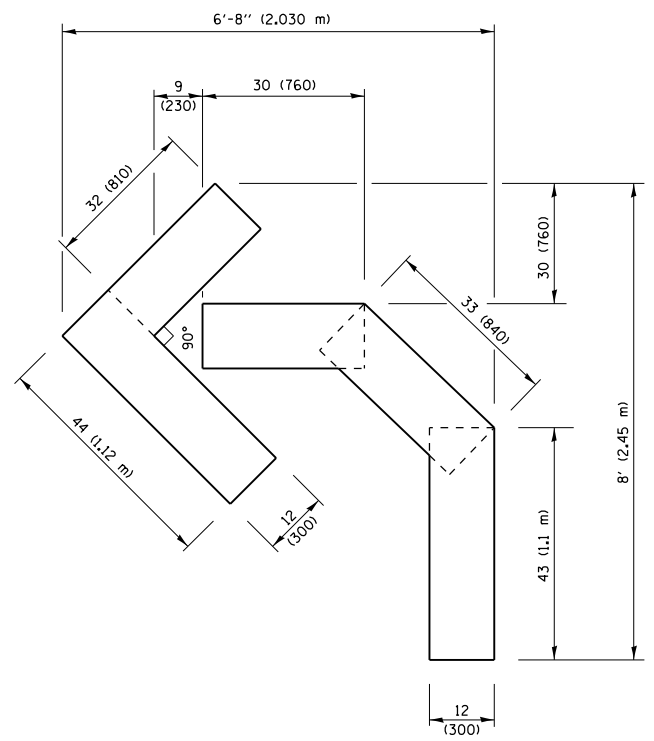
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = toriqm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI480\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 8/15/2018		REVISED - C. JUCIUS 04-12-16

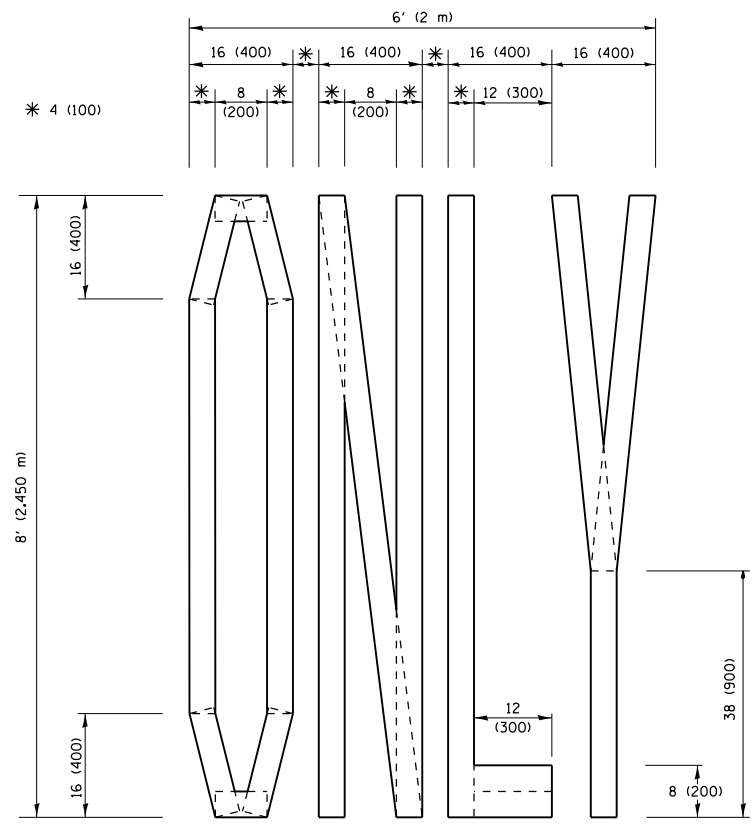
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

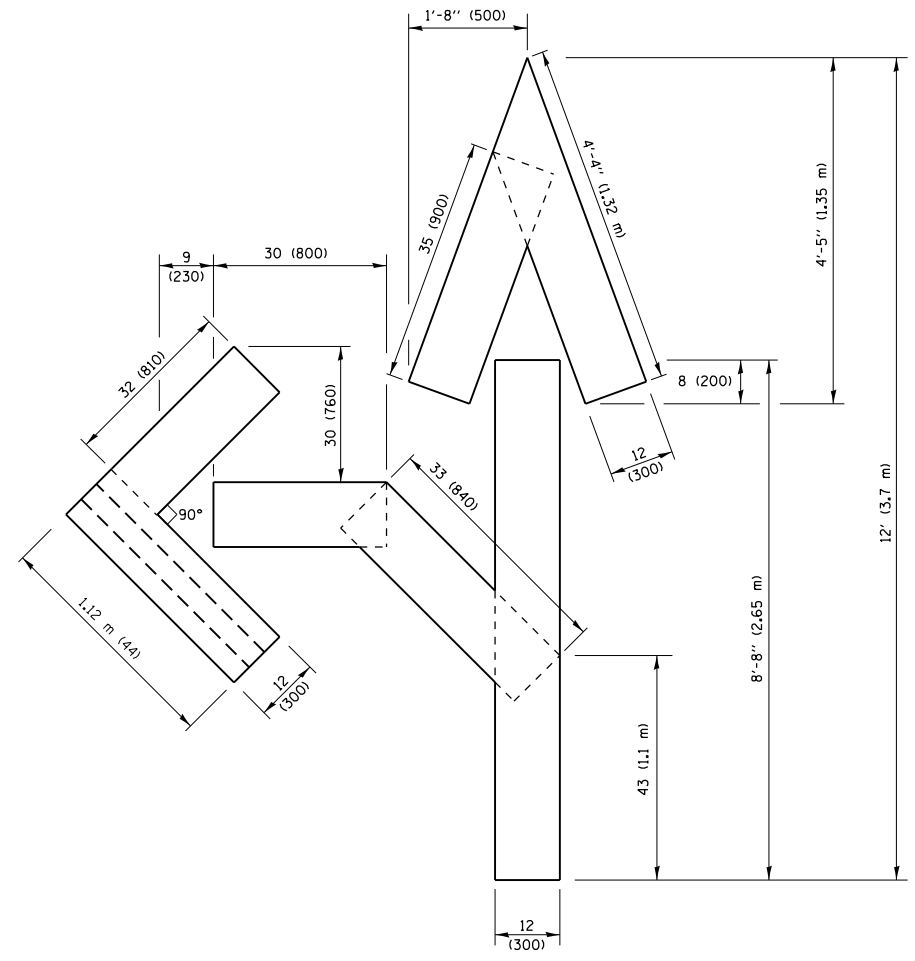
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	85
<b>TC-13</b>			<b>CONTRACT NO. 60713</b>	
ILLINOIS FED. AID PROJECT				



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

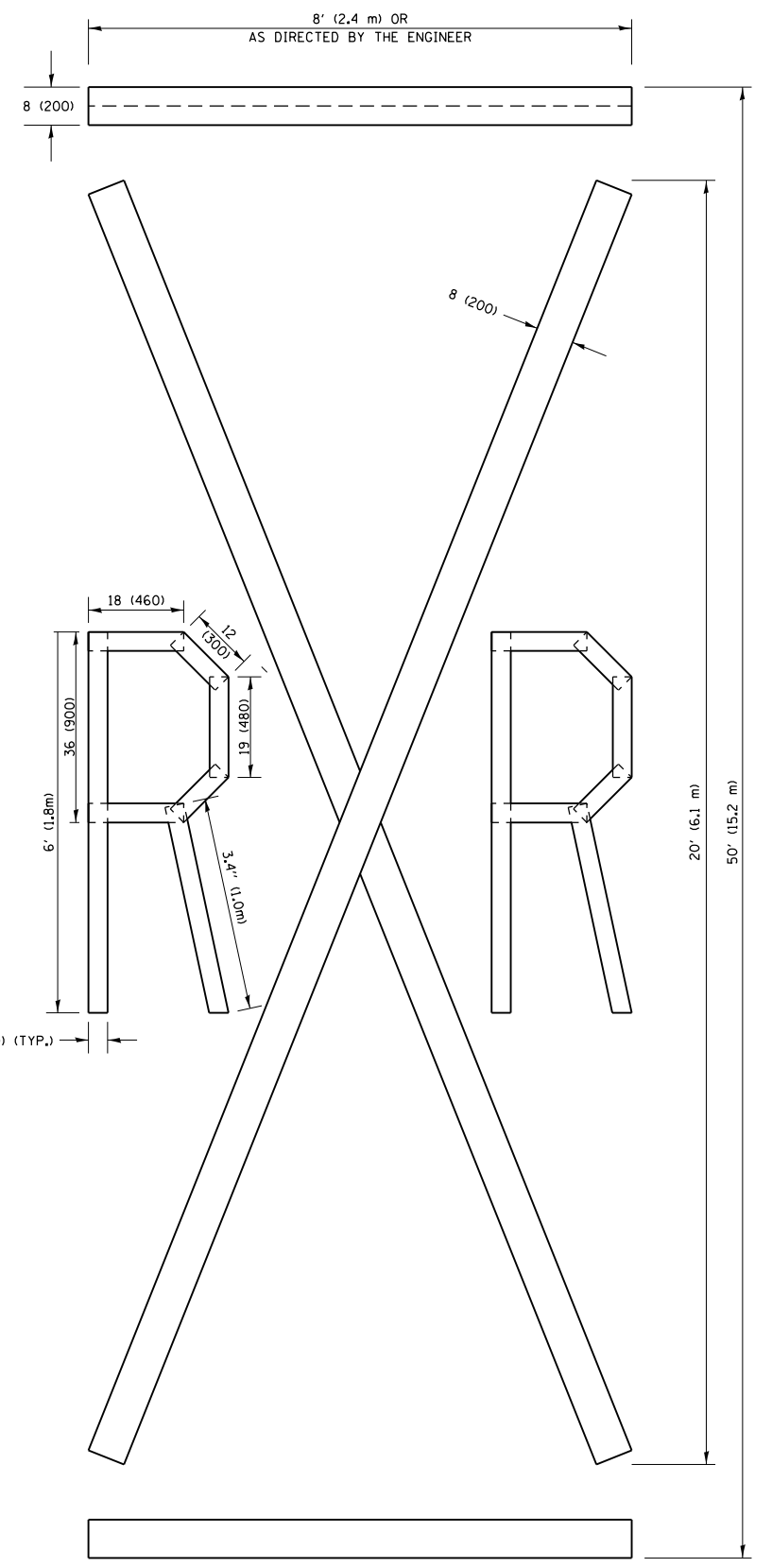


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

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



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

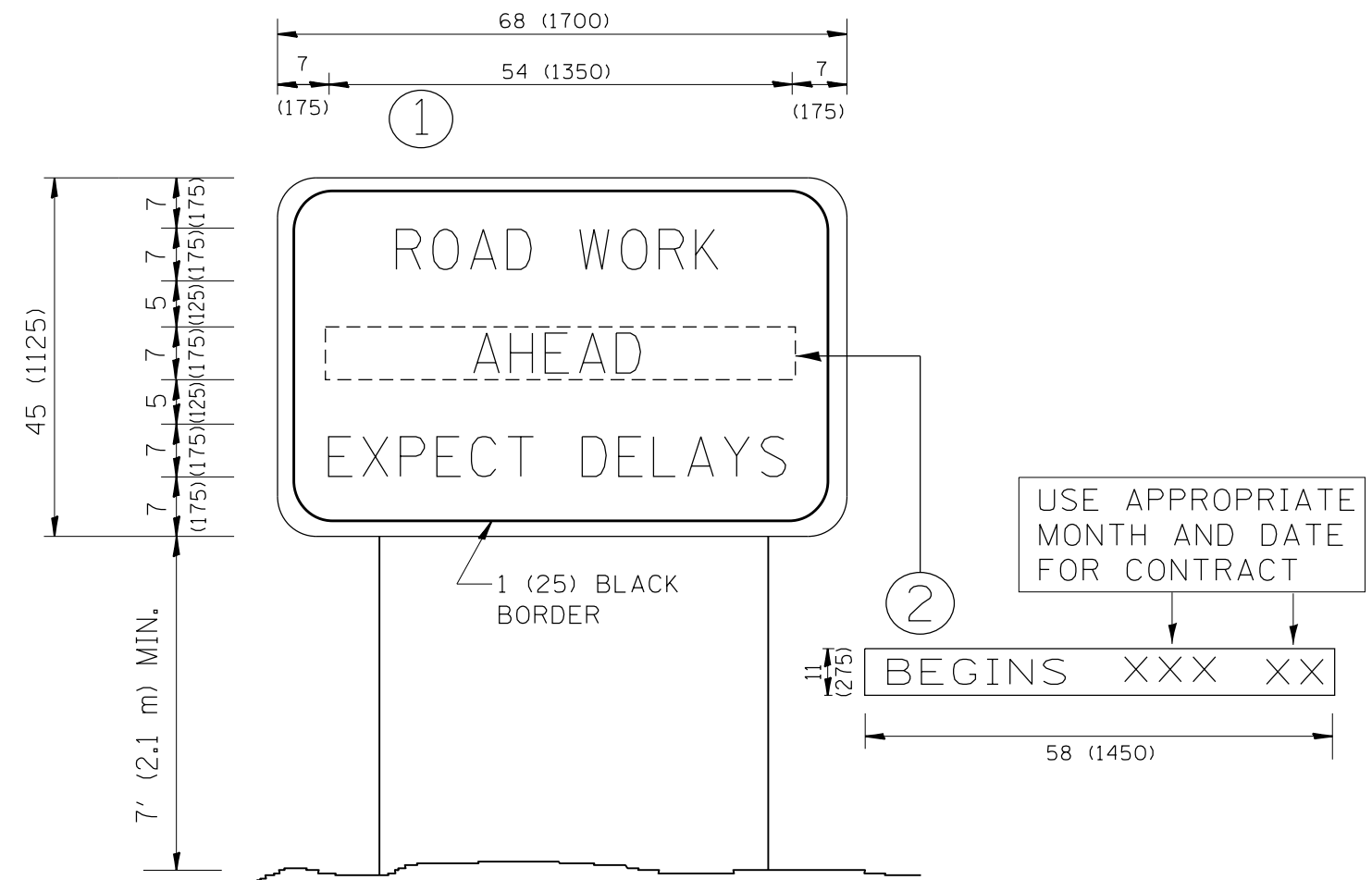
All dimensions are in inches (millimeters) unless otherwise shown.

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		REVISOR -	REVISOR -
		- E. GOMEZ 08-28-00	- E. GOMEZ 08-28-00
		CHECKED -	REVISOR -
		- E. GOMEZ 08-28-00	- E. GOMEZ 08-28-00
		DATE -	REVISOR -
		09-18-94	- A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	McHENRY	101	86
<b>TC-16</b>			<b>CONTRACT NO. 60T13</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

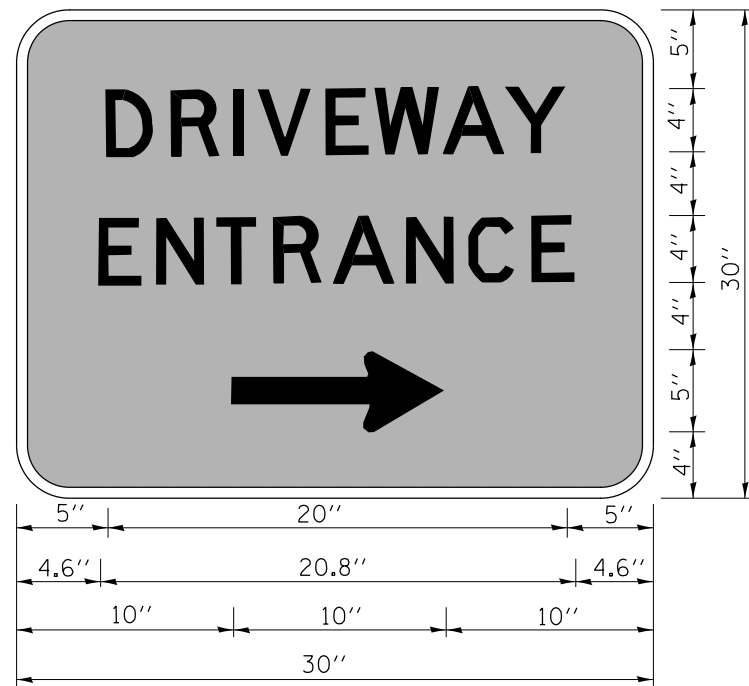
FILE NAME =	USER NAME = tar1qfm	DESIGNED -	REVISED - R. MIRS 09-15-97
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		PLOT SCALE = 100.0000' / 1in.	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	87
TC-22		CONTRACT NO. 60T13		
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI4800\Drawings\Design\DistStd.dgn		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -
	PLOT DATE = 8/15/2018		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

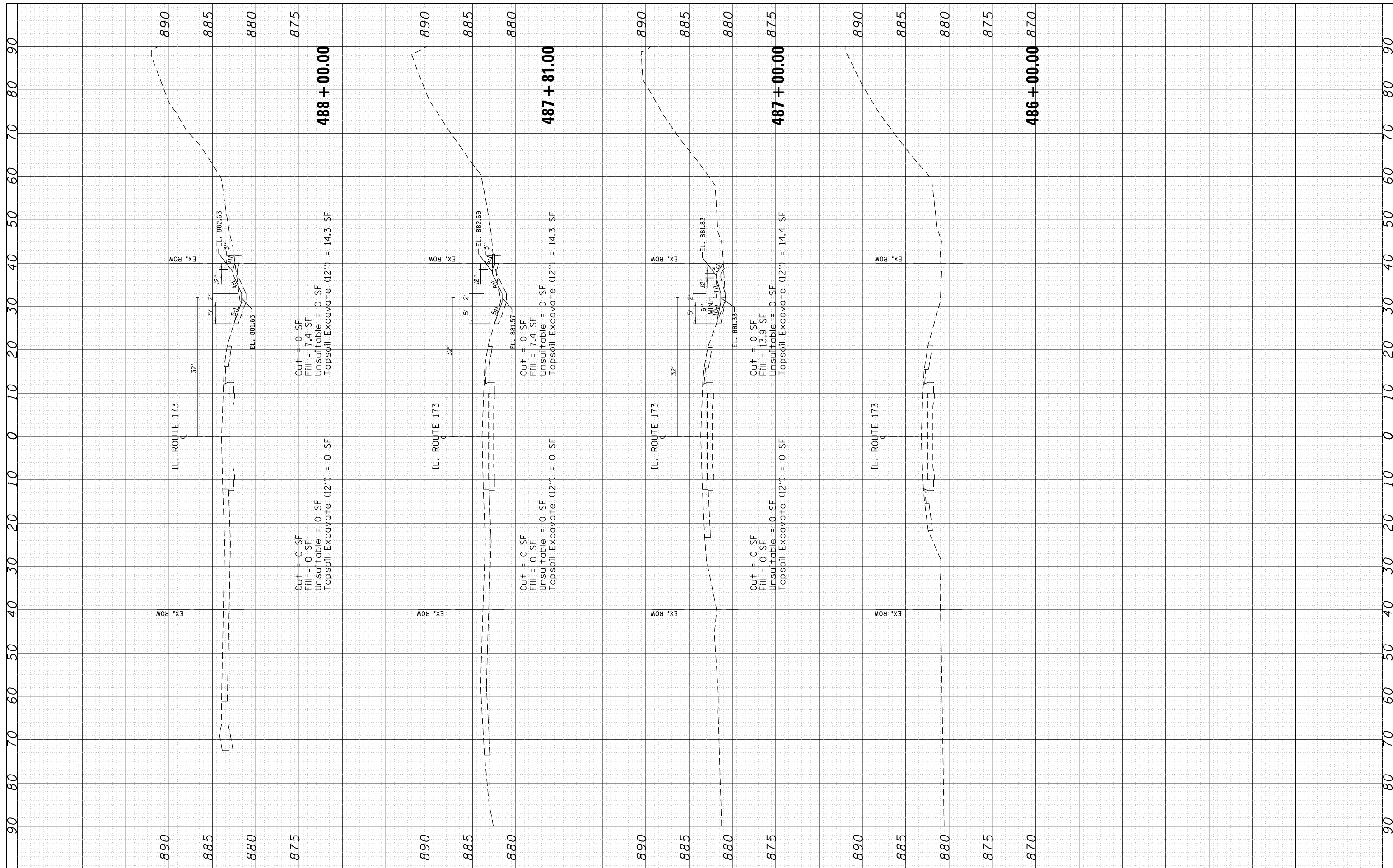
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	88
<b>TC-26</b>			<b>CONTRACT NO. 60T13</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FINIAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME = toriafm  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 8/15/2018

DESIGNED -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS  
 IL. ROUTE 173 AT WILMOT ROAD**

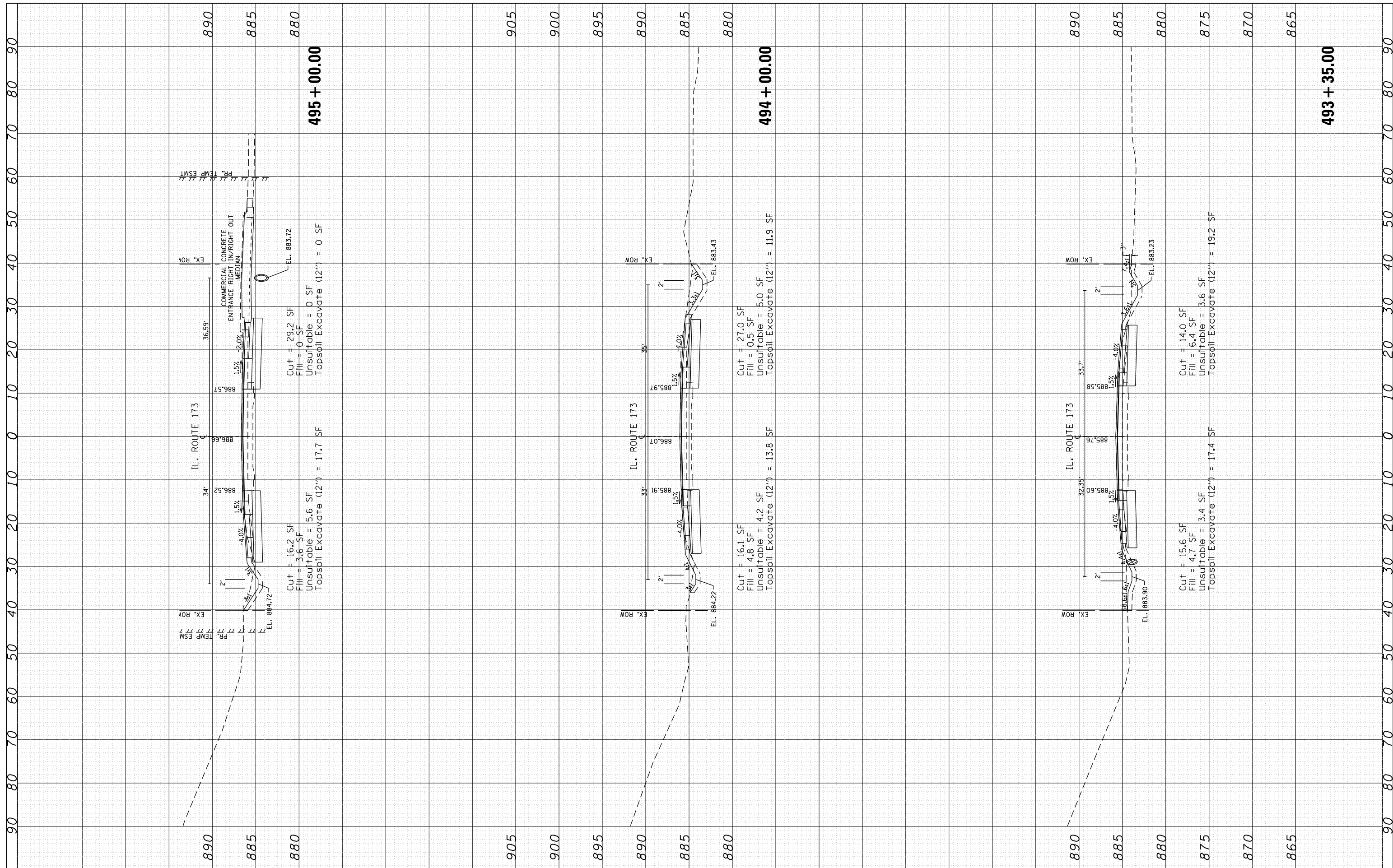
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	89
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 10/1/2018

DESIGNED -  
 CHECKED -  
 DATE -

REVISED - 9/13/2018  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

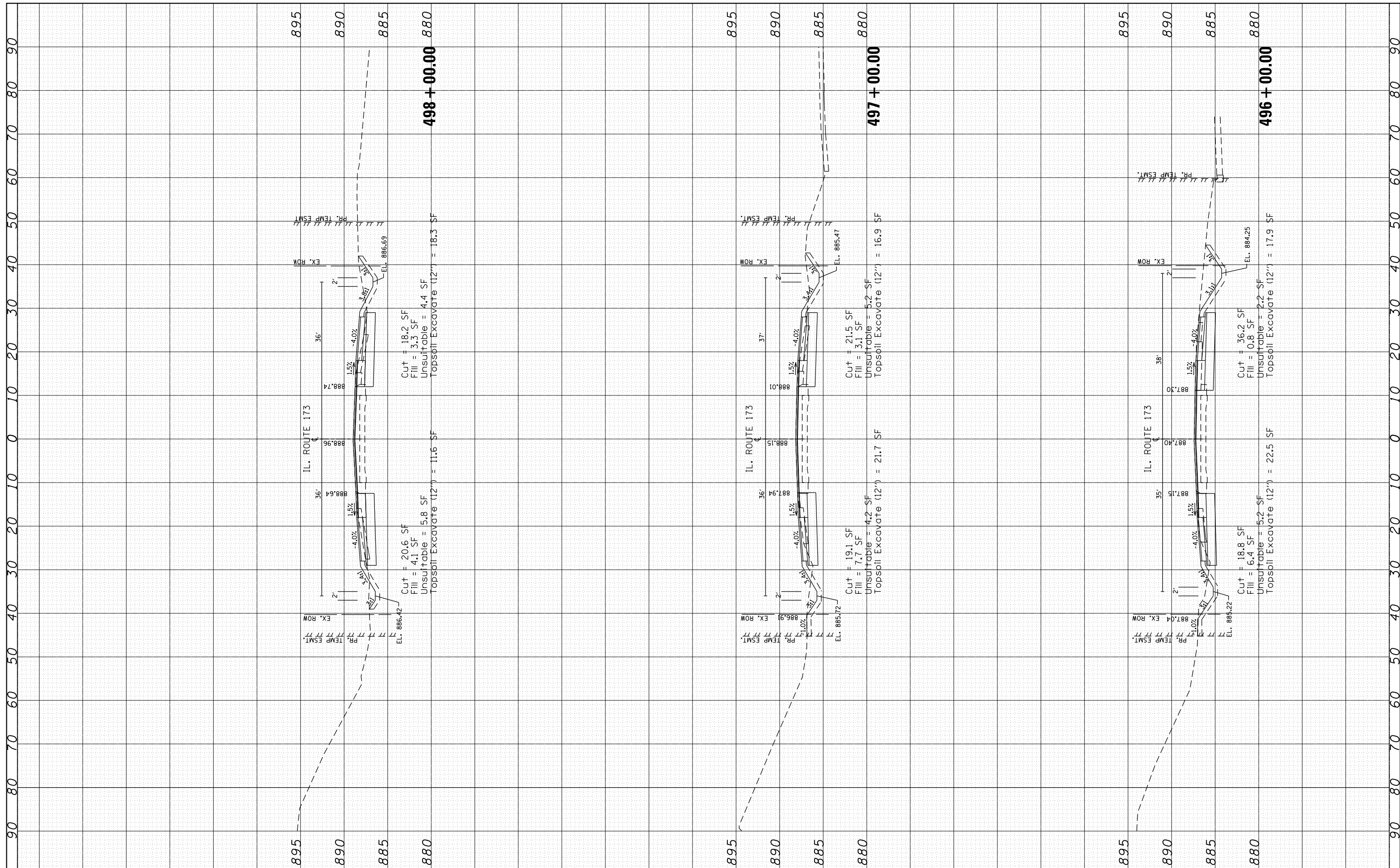
**EXISTING AND PROPOSED CROSS SECTIONS  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: SHEET OF SHEETS STA. 493+35.00 TO STA. 495+00.00

F.A.P. RTE. 303	SECTION 134N-1	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 91
			CONTRACT NO. 60T13	
ILLINOIS FED. AID PROJECT				

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

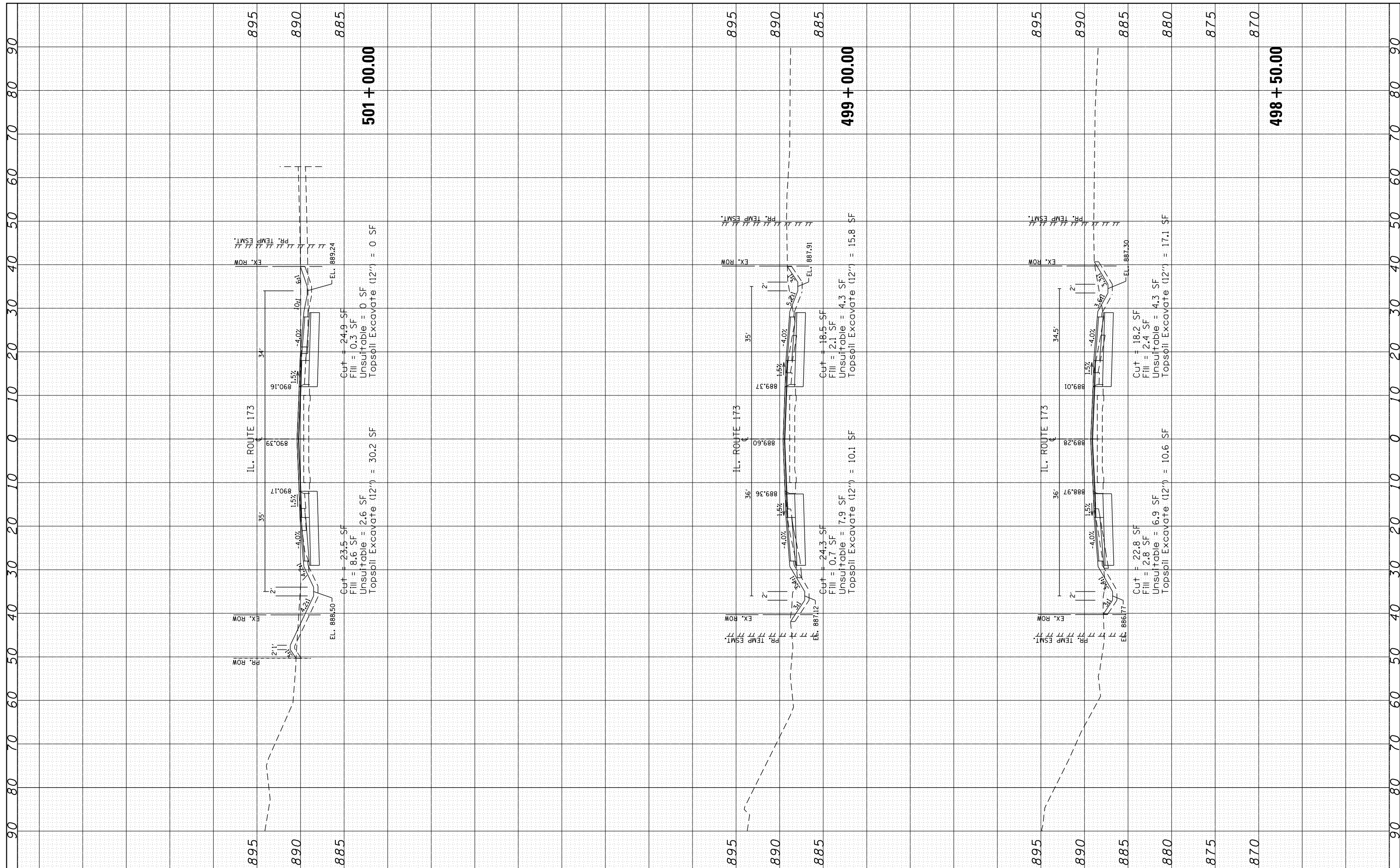
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	NO.		



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED CROSS SECTIONS IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 20.0000' / in.	CHECKED -	REVISED -			303	134N-1	MCHENRY	101	92	
	Plot Date = 8/15/2018	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. 496+00.00 TO STA. 498+00.00	CONTRACT NO. 60T13		
						ILLINOIS FED. AID PROJECT					

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018
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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

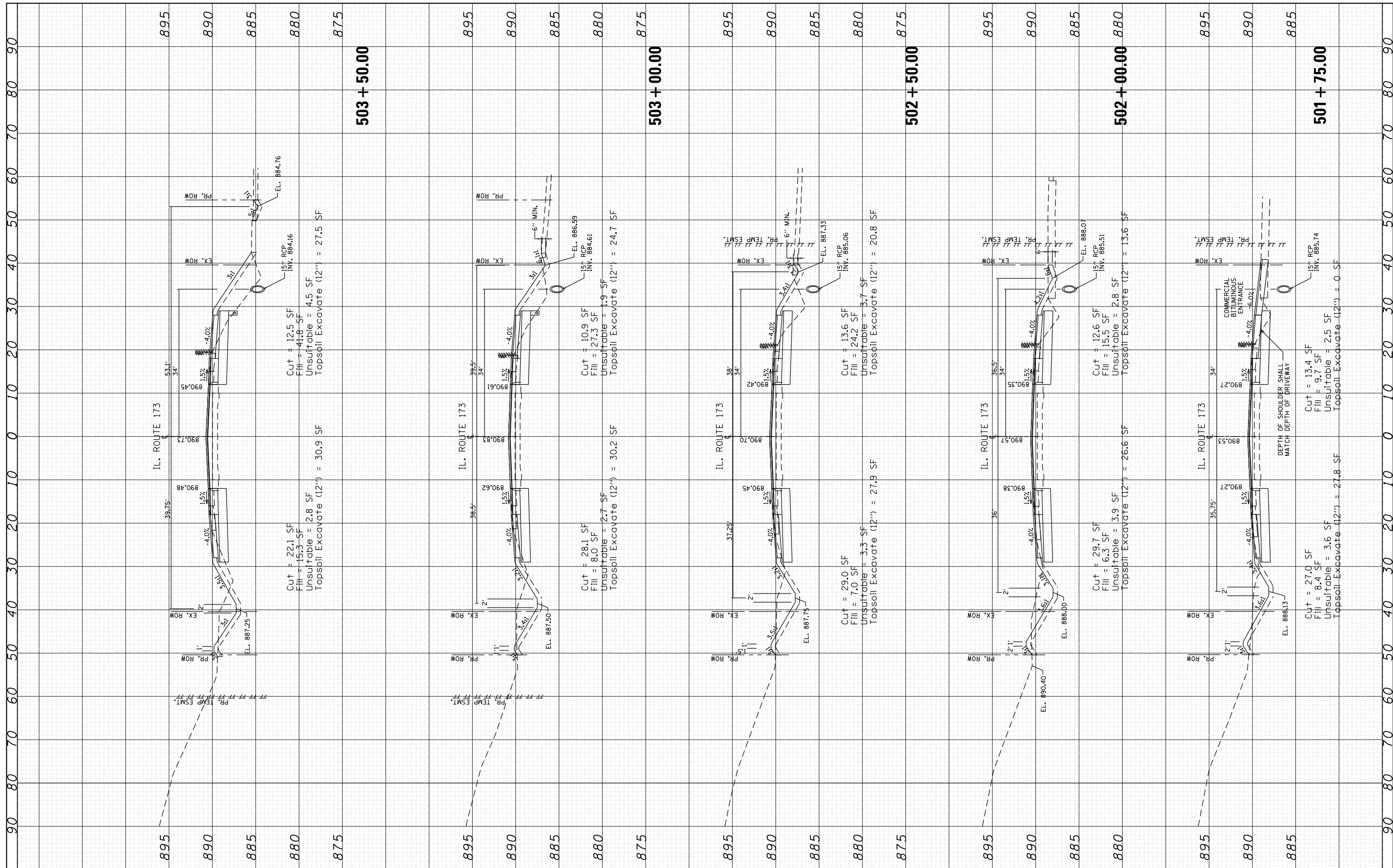
**EXISTING AND PROPOSED CROSS SECTIONS  
IL. ROUTE 173 AT WILMOT ROAD**

SCALE: SHEET OF SHEETS STA. 498+50.00 TO STA. 501+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	93
CONTRACT NO. 60T13				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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 PLOT DATE = 10/1/2018

DESIGNED -  
 CHECKED -  
 DATE -

REVISED - 9/13/2018  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

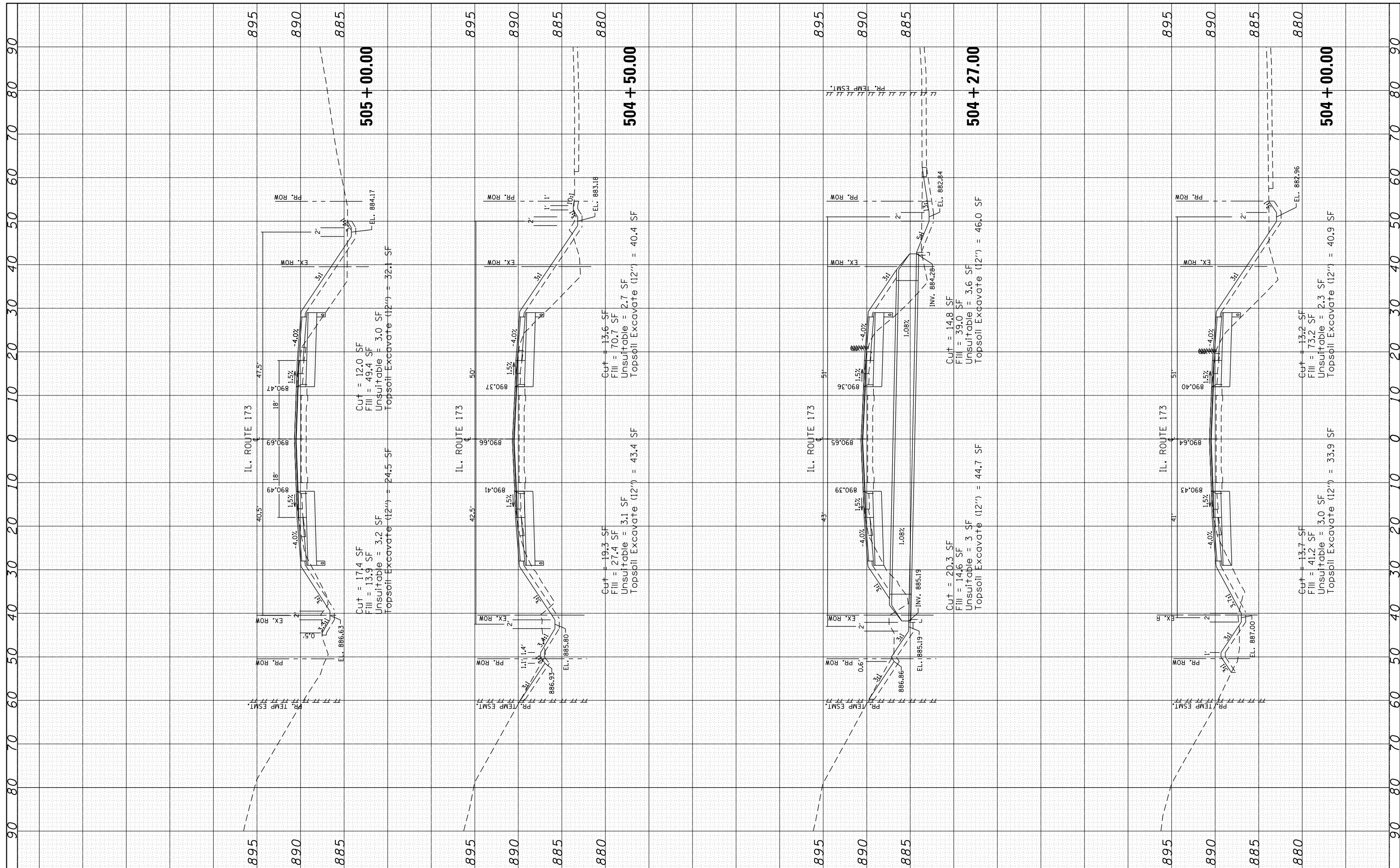
**EXISTING AND PROPOSED CROSS SECTIONS  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: SHEET OF SHEETS STA. 501+75.00 TO STA. 503+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	94
CONTRACT NO. 60T13			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

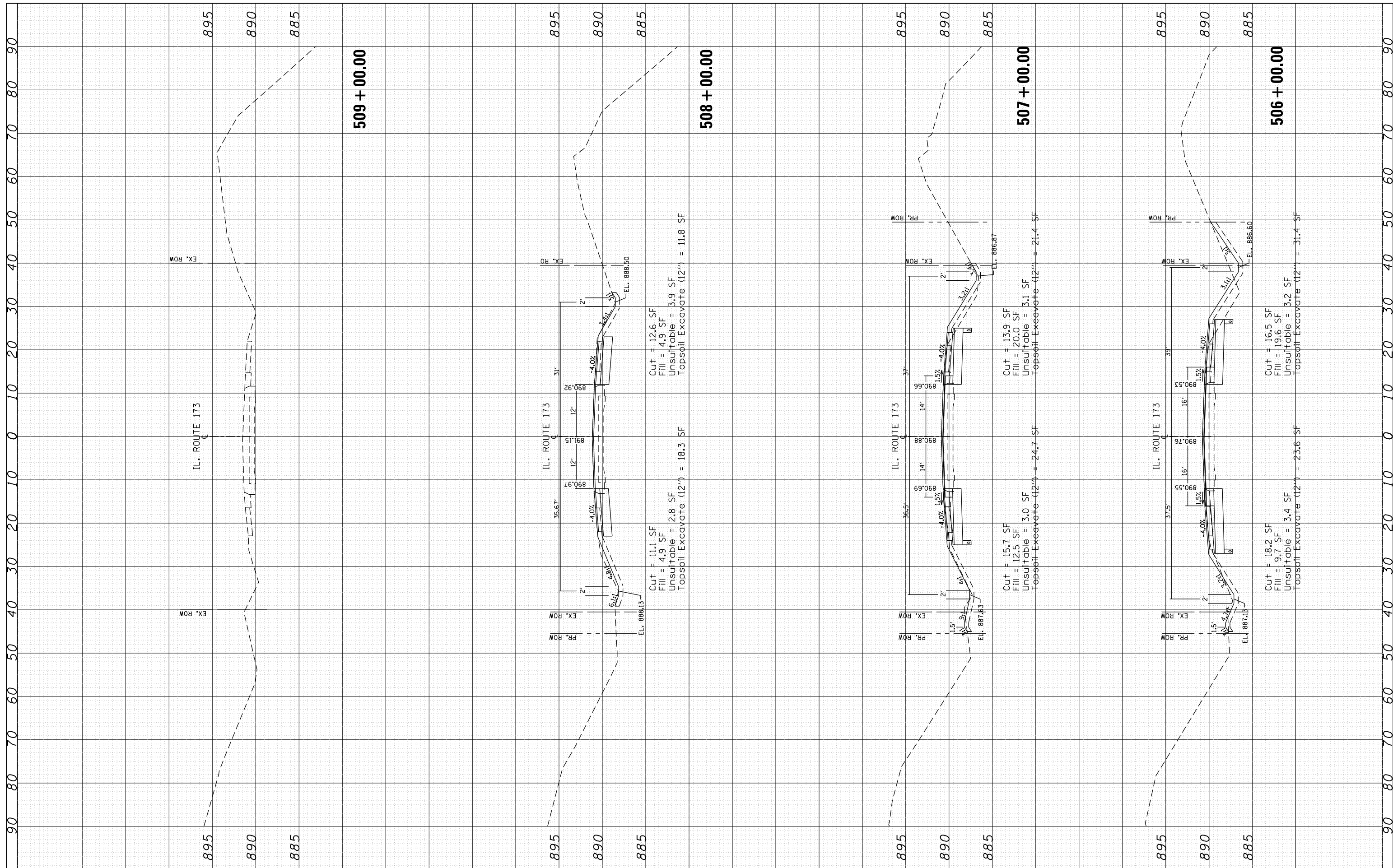
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = toriafm	DESIGNED -	REVISED - 9/13/2018	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED CROSS SECTIONS</b> <b>IL. ROUTE 173 AT WILMOT ROAD</b>		F.A.P. RTE. 303	SECTION 134N-1	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 95
CONTRACT NO. 60T13	SCALE:	SHEET OF SHEETS	STA. 504+00.00 TO STA. 505+00.00		ILLINOIS FED. AID PROJECT						

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

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



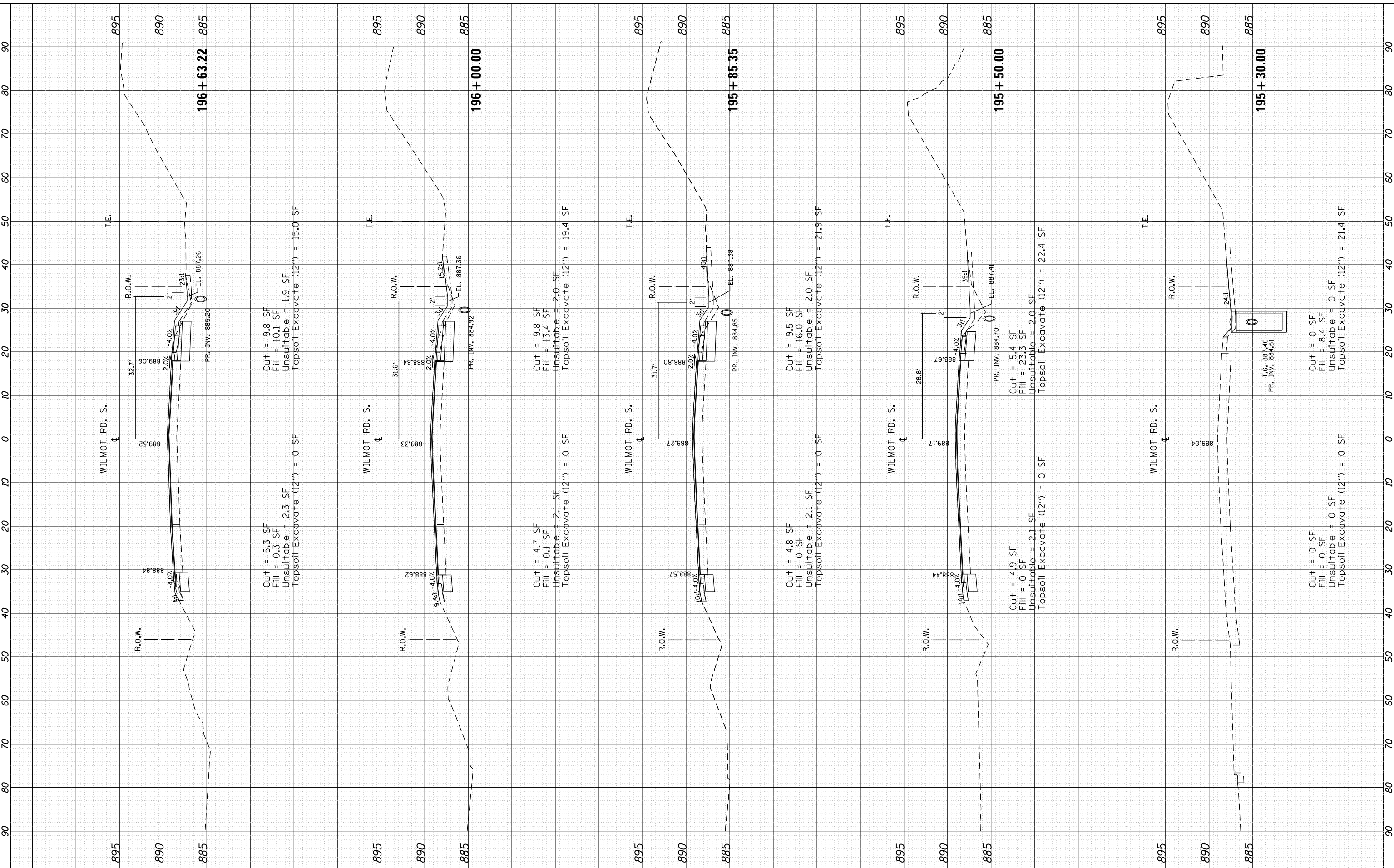
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Default	DOT Offices\District 1\Projects\P146109\CADD\Drawings\P146109-Sht-XsSht173.dgn	CHECKED -	REVISED -			303	134N-1	MCHENRY	101	96	
	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60T13					
	PLOT DATE = 8/15/2018					ILLINOIS FED. AID PROJECT					



FINISH	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	NOTE BOOK		
	AREAS CHECKED		

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

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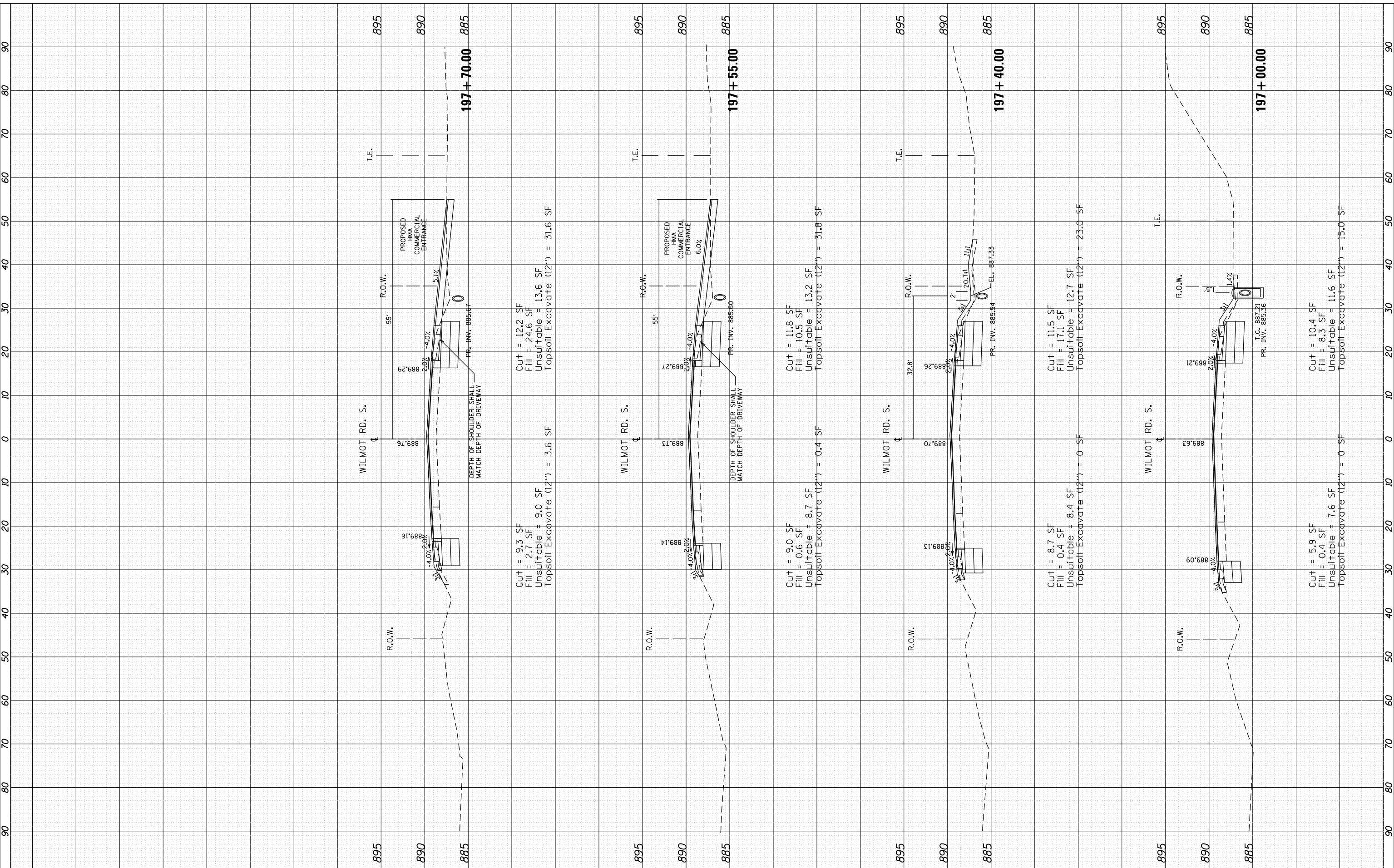


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED CROSS SECTIONS IL. ROUTE 173 AT WILMOT ROAD</b>	F.A.P. RTE. 303	SECTION 134N-1	COUNTY MC HENRY	TOTAL SHEETS 101	SHEET NO. 97
CONTRACT NO. 60T13	SCALE: 1"=10'	SHEET OF SHEETS	STA. 195+30.00 TO STA. 196+63.22			ILLINOIS FED. AID PROJECT				
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -								
PLOT DATE = 8/15/2018	DATE -	REVISED -								

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS  
IL. ROUTE 173 AT WILMOT ROAD**

USER NAME = toriafm	DESIGNED -	9/13/2018
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PLOT SCALE = 20.0000' / in.	CHECKED -	
PLOT DATE = 10/1/2018	DATE -	

SCALE: 1"=10' SHEET OF SHEETS STA. 197+0.00 TO STA. 197+70.00

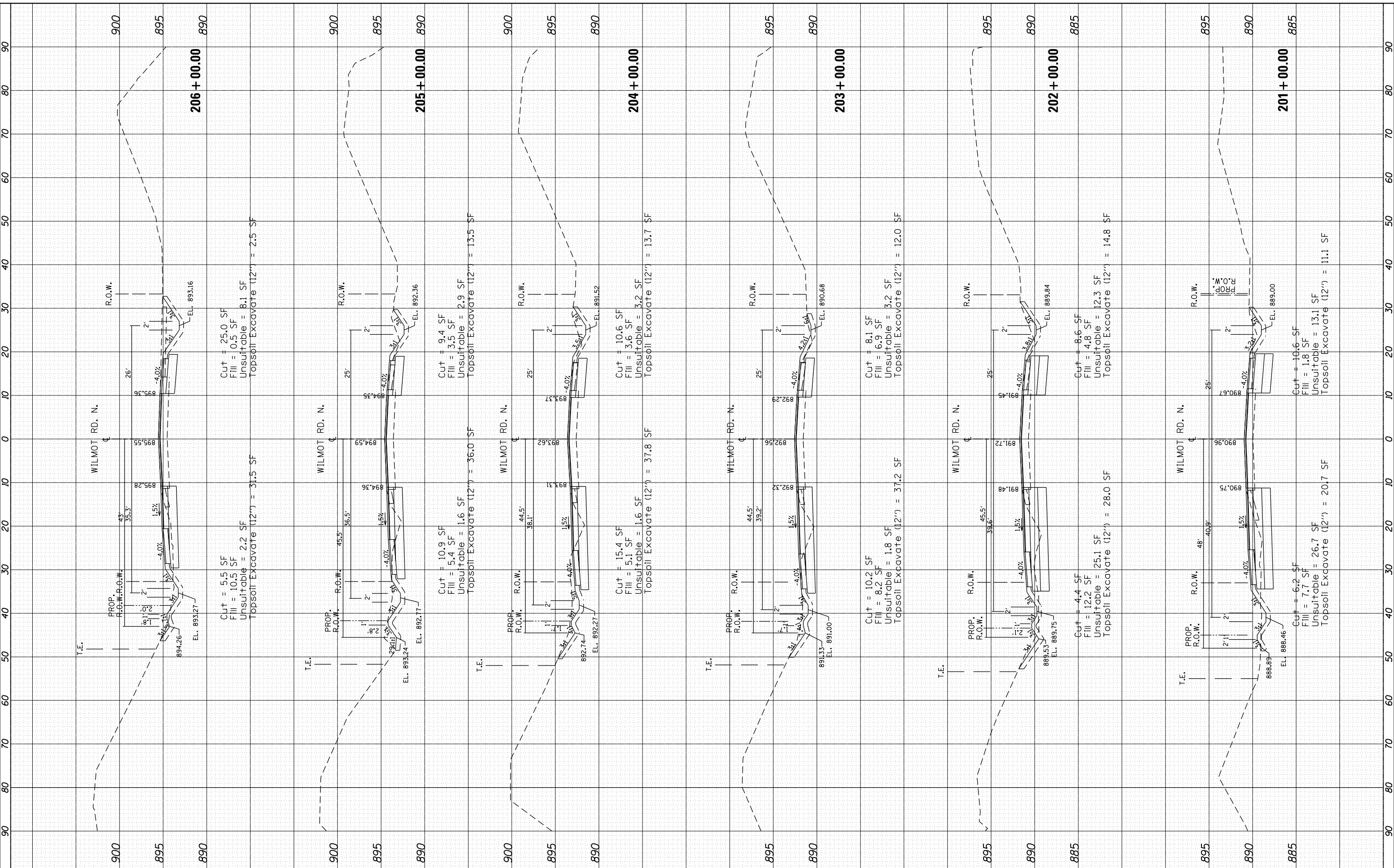
F.A.P. RT. 303	SECTION 134N-1	COUNTY MCHENRY	TOTAL SHEETS 101	SHEET NO. 98
CONTRACT NO. 60T13			ILLINOIS FED. AID PROJECT	



BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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FILE NAME =	USER NAME = toriafm

DESIGNED -	

REVISOR -	

DATE -	8/15/2018

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS  
 IL. ROUTE 173 AT WILMOT ROAD**

SCALE: 1"=10'  
 SHEET OF SHEETS STA. 201+00.00 TO STA. 206+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	134N-1	MCHENRY	101	100

ILLINOIS FED. AID PROJECT  
 CONTRACT NO. 60T13

