

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

**F.A.P. ROUTE 341: (IL 72)**  
**SECTION 109N-3**  
**AT BIG TIMBER ROAD**  
**INTERSECTION RECONSTRUCTION**  
**PROJECT: ACNHPP-0341 (059)**  
**KANE COUNTY**

C-91-090-02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	1
ILLINOIS			CONTRACT NO. 62407	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**TRAFFIC DATA:**

IL 72: 2009 ADT = 8200

BIG TIMBER ROAD NORTH LEG: 2010 ADT = 3300

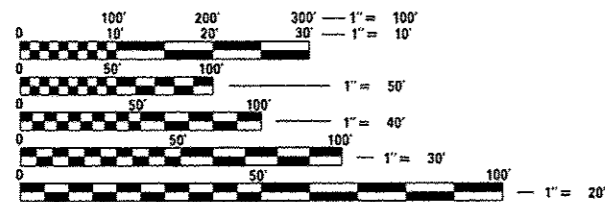
BIG TIMBER ROAD SOUTH LEG: 2010 ADT = 5700

POSTED SPEED LIMIT = 55 MPH

DESIGN SPEED = 55 MPH

POSTED SPEED LIMIT = 50 MPH (BIG TIMBER RD.)

THIS PROJECT IS LOCATED IN UNINCORPORATED KANE COUNTY, RUTLAND TOWNSHIP

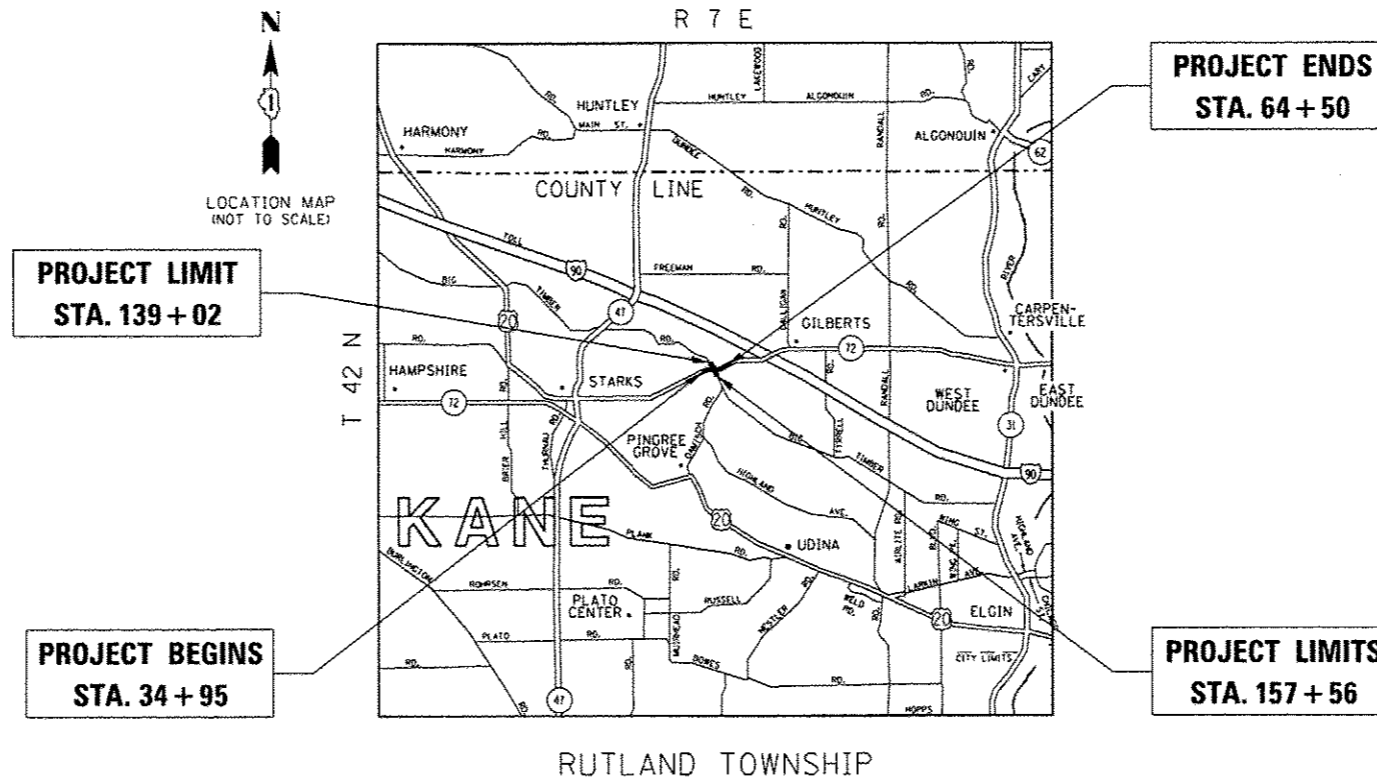


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PETER JOHNSTON / (773) 399-0112  
 PROJECT MANAGER: DAN WILGREEN / (847) 705-4240

CONTRACT NO. 62407



GROSS AND NET LENGTH = 4715.8 FT. = 0.89 MILES



PROFESSIONAL ENGINEER'S SIGN & SEAL  
*Peter Johnston*  
 EXPIRES: 11/30/15

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED March 13, 2015  
*John Fairman*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26, 2015  
*John D. Baranzelli P.E.*  
 ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2015  
*Omer Osman P.E.*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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INDEX OF SHEETS


HIGHWAY STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	REVISION NO.	STD. NO.	TITLE
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3-12	SUMMARY OF QUANTITIES	01	- 406201	MAILBOX TURNOUT
13-15	EARTHWORK SCHEDULE AND TREE REMOVALS	03	- 442201	CLASS C AND D PATCHES
16-20	TYPICAL SECTIONS	02	- 482001	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
21-22	ALIGNMENT, TIES, AND BENCHMARKS	04	- 542001	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA
23-25	REMOVAL PLANS		542011	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER
26-30	PLAN AND PROFILE	02	- 524306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
31	SUGGESTED STAGING AND EROSION CONTROL SEQUENCING NOTES	05	- 542311	TRAVERSABLE PIPE GRATE
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44-46	SUGGESTED STAGING AND TRAFFIC CONTROL PLANS STAGE 4	09	- 631011	TRAFFIC BARRIER TERMINAL, TYPE 2
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63-71	RIGHT OF WAY SHEETS	04	- 701011	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
72	INTERSECTION GRADING PLANS	04	- 701301	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
73-75	PAVEMENT MARKING PLANS	03	- 701306	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS • 45 MPH
76-78	SUPERELEVATION PLANS AND DETAILS	03	- 701311	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
79-81	LANDSCAPING PLANS	04	- 701326	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS • 45 MPH
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88-92	TRAFFIC SIGNAL PLANS	06	- 701336	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS • 45 MPH
93	MAST ARM MOUNTED STREET NAME SIGNS	06	- 701502	URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
94-96	SIGNING PLANS	09	- 701701	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
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98	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD21)	07	- 704001	TEMPORARY CONCRETE BARRIER
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100	BENCHING CONSTRUCTION DETAIL (BD 51)	04	- 720006	SIGN PANEL ERECTION DETAILS
101	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC 10)	01	- 728001	TELESCOPING STEEL SIGN SUPPORT
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103	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC 13)	05	- 780001	TYPICAL PAVEMENT MARKINGS
104	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC 13)	03	- 781001	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
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		10	- 878001	CONCRETE FOUNDATION DETAILS
		01	- 880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
		01	- 880006	TRAFFIC SIGNAL MOUNTING DETAILS
		01	- 886001	DETECTOR LOOP INSTALLATIONS

- 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 AND COUNTY OF KANE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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 DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS NOT SHOWN.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE PROJECT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- MATCH EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS.
- WET REFLECTIVE MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE WET REFLECTIVE MARKING TAPE, TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- 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.
- AGGREGATE SUBGRADE IMPROVEMENT: AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT STABILITY MANUAL). IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH ASI. IF UNSUITABLE SOIL IS NOT ENCOUNTERED THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR. THE APPROXIMATE LIMITS AND DEPTHS OF REMOVAL AND REPLACEMENT ARE:

LOCATION	DEPTH	LOCATION	DEPTH
IL 72 - 36+25 to 39+25	12"	IL 72 - 43+00 to 48+00	12"
IL 72 - 54+00 to 56+00	12"	IL 72 - 57+00 to 59+50	12"
IL 72 - 59+50 to 62+50	12"	BTR - 148+50 to 150+60	12"
- THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING A USACE 404 PERMIT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMIT.
- THIS PROJECT WILL REQUIRE AUTHORIZATION UNDER NPDES ILR10 PERMIT (SWPPP)
- FOUR CHANGEABLE MESSAGE SIGNS, ONE ON EACH APPROACH, WILL BE REQUIRED FROM AT LEAST ONE WEEK PRIOR TO THE TRAFFIC SIGNAL TURN-ON TO ONE WEEK AFTER THE TRAFFIC SIGNALS HAVE BEEN TURNED ON AT THE IL 72/BIG TIMBER ROAD INTERSECTION. THE WORK WILL BE PAID AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGNS".
- IN AREAS OF PAVEMENT REMOVAL AND DRIVEWAY PAVEMENT REMOVAL WHERE THE PAVEMENT OR DRIVEWAY PAVEMENT IS NOT BEING REPLACED, THE AREA SHALL BE EXCAVATED TO A DEPTH OF 30" TO REMOVE GRANULAR MATERIALS BENEATH THE PAVEMENTS. QUANTITIES HAVE BEEN INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION TO PROVIDE FOR THIS.


 #501 N. Higgins Road, Suite 200 Chicago, Illinois 60631 (773) 399-0112	USER NAME - 1409	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE - 100.0000' / 1" =	DRAWN -	REVISED -		341	109N-3	KANE	209	2		
	PLOT DATE - 3/13/2015	CHECKED -	REVISED -		CONTRACT NO. 62407						
	DATE - 3/15/2015	DATE - 3/15/2015	REVISED -		ILLINOIS FED. AID PROJECT						

Rev.

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	684	684	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	280	280	
20101000	TEMPORARY FENCE	FOOT	9,947	9,947	
20200100	EARTH EXCAVATION	CU YD	19,758	19,758	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10,822	10,822	
20800150	TRENCH BACKFILL	CU YD	103	103	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	9,502	9,502	
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,748	3,748	
* 25000210	SEEDING, CLASS 2A	ACRE	2.83	2.83	
* 25000310	SEEDING, CLASS 4	ACRE	5.53	5.53	
* 25000322	SEEDING, CLASS 5A	ACRE	0.22	0.22	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	255	255	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	255	255	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	255	255	
* 25100115	MULCH, METHOD 2	ACRE	1	1	
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,572	2,572	

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\* DENOTES SPECIALTY ITEM

 1501 N. Higgins Road Suite 200 Chicago, Illinois 60631 (773) 399-0112	USER NAME : 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 100.0000' / 1" =	DRAWN -	REVISED -			341	109N-3	KANE	209	3
	PLOT DATE : 3/13/2015	CHECKED -	REVISED -			CONTRACT NO. 62407				
				SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
28000305	TEMPORARY DITCH CHECKS	FOOT	700	700	
28000400	PERIMETER EROSION BARRIER	FOOT	9,415	9,415	
28000510	INLET FILTERS	EACH	1	1	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	100	100	
28100107	STONE RIPRAP, CLASS A4	SQ YD	50	50	
28200200	FILTER FABRIC	SQ YD	50	50	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,167	3,167	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	22,615	22,615	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	141	141	
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	706	706	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	6	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17,652	17,652	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	204	204	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	112	112	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	77	77	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	16	16	

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\* DENOTES SPECIALTY ITEM

 1501 N. Higgins Road, Suite 200 Chicago, Illinois 60631 (773) 399-0812	USER NAME = 1489	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -					341	109N-3	KANE	209	4
	PLOT DATE = 3/13/2015	CHECKED -	REVISED -					CONTRACT NO. 62407				
	DATE = 3/16/2015	REVISOR -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	526	526	
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SO YD	1,247	1,247	
40701896	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 3/4"	SO YD	13,254	13,254	
44000100	PAVEMENT REMOVAL	SO YD	21,998	21,998	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	2,422	2,422	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	198	198	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	749	749	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	60	60	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	240	240	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	240	240	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	60	60	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,756	3,756	
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SO YD	38	38	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	35	35	
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SO YD	2,602	2,602	
48203040	HOT-MIX ASPHALT SHOULDERS, 10 3/4"	SO YD	5,512	5,512	

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• DENOTES SPECIALTY ITEM

<b>GRAEF</b> <small>8501 W. Higgins Road, Suite 200 Chicago, Illinois 60631 773 399-0112</small>	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>				P.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -		341	109N-3	KANE	209	5				
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 62407			
											ILLINOIS FED. AID PROJECT		

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
50105220	PIPE CULVERT REMOVAL	FOOT	191	191	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	115	115	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1, 36"	FOOT	121	121	
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	208	208	
5421A012	PIPE CULVERTS, CLASS A, TYPE 1 12" (TEMPORARY)	FOOT	298	298	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	4	4	
54215991	REINFORCED CONCRETE PIPE ELBOW 36"	EACH	1	1	
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1	1	
54261424	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	EACH	4	4	
54261436	CONCRETE END SECTION, STANDARD 542001, 36", 1:4	EACH	2	2	
54264424	CONCRETE END SECTION, STANDARD 542016, 24", 1:4	EACH	2	2	
54260311	TRAVERSABLE PIPE GRATING	FOOT	78	78	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	69	69	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	10	10	
60107700	PIPE UNDERDRAINS 6"	FOOT	248	248	

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\* DENOTES SPECIALTY ITEM

 2501 E. Higgins Road, Suite 200 Chicago, Illinois 60631 773 399-0112	USER NAME - 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE - 1/8" = 100.0000' / 1/4"	DRAWN -	REVISED -					341	109N-3	KANE	209	6
	PLOT DATE - 3/13/2015	CHECKED -	REVISED -					CONTRACT NO. 62407				
	DATE - 3/16/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	232	232	
60500050	REMOVING CATCH BASINS	EACH	2	2	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2,440	2,440	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,794	1,794	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42,614	42,614	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	284	284	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14,773	14,773	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5,726	5,726	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,379	3,379	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6	
70600350	IMPACT ATTENUATORS, RELOCATE (NON-DIRECTIVE), TEST LEVEL 3	EACH	7	7	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	56	42	14

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\* DENOTES SPECIALTY ITEM

 2501 N. Higgins Road Suite 200 Chicago, Illinois 60631 (773) 399-0812	USER NAME # 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		341	109N-3	KANE	209	7			
	PLOT DATE = 3/17/2015	DATE - 3/16/2015	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62407		ILLINOIS FED. AID PROJECT		

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
* 72000200	SIGN PANEL - TYPE 2	SQ FT	116	96	20
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	38	38	
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5	
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	6	6	
* 72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	20	20	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	173	173	
* 73000100	WOOD SIGN SUPPORT	FOOT	52	52	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	146	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17,939	17,939	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	687	687	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	241	241	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	139	139	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	146	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9,830	9,830	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	625	625	

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\* DENOTES SPECIALTY ITEM






PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
* 87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT	EACH	1		1
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT	EACH	1		1
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT	EACH	1		1
* 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT	EACH	1		1
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT	EACH	2		2
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	80		80
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10		10
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1,263		1,263
* 89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	3		3
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

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\* DENOTES SPECIALTY ITEM

 1501 N. Higgins Road, Suite 200 Chicago, Illinois 60631 (773) 399-0112	USER NAME * 1485	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 72 AT BIG TIMBER ROAD SUMMARY OF QUANTITIES			P.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * 100.0000' / 1" =	DRAWN -	REVISED -					341	109N-3	KANE	209	10
	PLOT DATE * 3/13/2015	CHECKED -	REVISED -					CONTRACT NO. 62407				
	DATE - 3/16/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
Z0022800	FENCE REMOVAL	FOOT	3,634	3,634	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103	
Z0062456	TEMPORARY PAVEMENT	SQ YD	11,336	11,336	
* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.23	0.23	
* X2511630	EROSION CONTROL BLANKET (SPECIAL)	SO YD	41,571	41,571	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	1,569	1,569	
X5010523	REMOVE CONCRETE END SECTION	EACH	1	1	
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	15	15	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1		1
* A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	12	
* A2002370	TREE, BETULA NIGRA (RIVER BIRCH), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	5	5	
* A2005670	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	14	14	
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9	

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Rev.  
• DENOTES SPECIALTY ITEM

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% KANE CO.
				0004 RECONSTRUCTION	0021 TRAFFIC SIGNALS
* B2001668	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	12	12	
* D2002472	EVERGREEN, PINUS FLEXILIS VANDERWOLF'S PYRAMID (VANDERWOLF'S PYRAMID LIMBER PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	15	15	
* K0029614	WEED CONTROL, AQUATIC	GALLON	1	1	
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5	5	
* K1005465	SELECTIVE MOWING STAKES	EACH	4	4	
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1
∅ Z0076600	TRAINEES	HOUR	1000	1000	
* X1400109	TEMPORARY POST MOUNTED FLASHING BEACON INSTALLATION	EACH	2		2
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000	
* X1400110	TEMPORARY FLASHING BEACON - SPAN WIRE MOUNTED INSTALLATION	EACH	1		1

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\* DENOTES SPECIALTY ITEM

<b>GRAEF</b> 8501 W. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -					341	109N-3	KANE	209	12
	PLOT DATE = 3/13/2015	CHECKED -	REVISED -					CONTRACT NO. 62407		ILLINOIS FED. AID PROJECT		
	DATE = 3/16/2015	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			



**IL 72 MOT EARTHWORK**

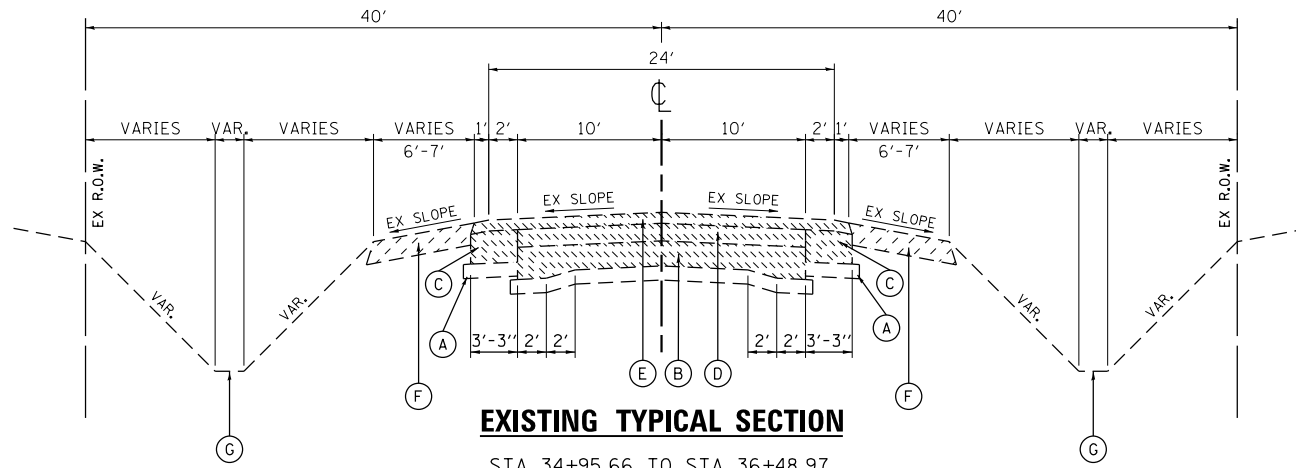
STATION	TOPSOIL EXCAVATION		EARTH EXCAVATION		EMBANKMENT		TOPSOIL PLACEMENT	
	LT	RT	LT	RT	LT	RT	LT	RT
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
139+00								
139+50								
140+00								
140+50	11.61	69.22	23.83	49.32	6.62	29.51	1.32	14.81
141+00	0.00	66.86	41.65	74.69	0.00	4.94	0.00	13.98
141+50	23.37	61.54	22.56	77.23	1.63	1.41	4.06	12.82
142+00	45.70	60.51	6.21	73.20	5.85	1.48	7.57	11.53
142+50	44.97	60.67	6.38	72.27	7.51	1.72	6.82	10.62
143+00	47.80	59.87	17.82	69.71	6.64	1.51	7.30	10.19
143+50	54.58	60.33	36.94	74.84	7.43	1.25	9.13	10.47
144+00	64.39	61.69	74.21	82.02	6.07	1.45	11.86	11.04
144+50	6.99	6.27	10.06	8.44	0.40	0.17	1.34	1.13
144+55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144+55	67.07	57.82	148.73	101.92	2.68	2.16	13.78	10.31
145+00	86.69	65.81	211.70	113.10	1.39	3.83	20.79	11.98
145+50	85.33	64.62	213.88	108.53	1.11	3.87	20.86	11.96
146+00	76.44	62.83	220.63	107.67	1.37	2.19	18.06	11.50
146+50	82.63	61.01	239.43	105.14	1.33	1.18	20.35	11.16
147+00	104.10	55.46	245.75	83.79	1.34	2.05	24.43	9.52
147+50	145.53	86.66	236.10	77.44	1.39	5.35	30.72	13.39
148+00								
148+50	IL 72 Sta 48+50 to 50+50							
149+00								
149+50	66.28	58.50	8.40	318.38	52.86	34.22	11.35	31.48
150+00	8.25	63.86	9.72	72.87	25.19	64.05	6.85	24.13
150+50	0.00	21.24	3.89	6.80	1.67	24.26	1.98	6.08
150+60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150+60	6.40	71.43	10.86	16.21	9.03	73.92	5.69	19.54
151+00	16.91	69.11	21.92	48.58	18.70	32.75	4.63	17.63
151+50	18.08	64.41	18.54	66.87	21.01	21.13	4.44	15.30
152+00	20.88	66.24	16.04	62.71	21.14	37.21	3.67	15.00
152+50	25.31	72.13	12.21	83.20	25.31	33.92	3.44	18.21
153+00	28.28	72.85	10.24	85.97	24.18	32.30	3.69	19.69
153+50	29.76	66.68	9.44	69.06	21.32	29.47	3.52	18.17
154+00	29.88	57.34	9.17	69.83	21.47	17.27	3.77	16.21
154+50	28.06	55.53	8.17	67.52	21.08	19.37	4.48	15.92
155+00	26.25	60.19	11.00	49.37	20.07	31.32	4.54	16.66
155+50	45.88	62.87	22.59	43.92	31.84	27.02	10.59	16.97
156+00	65.62	66.32	38.77	32.19	39.56	29.17	16.53	16.93
156+50	65.87	62.69	35.61	21.93	43.52	32.72	16.98	17.06
157+00	59.99	41.65	18.06	19.72	49.06	29.49	16.03	12.13
157+50	7.41	3.56	1.64	2.50	6.36	3.68	2.00	0.90
157+57								

STATION	OFFSET	LT/RT	DIAMETER (IN.)	TREE REMOVAL (6 TO 15 UNITS)	TREE REMOVAL (OVER 15)
IL 72					
33+68	41	RT	14	14	
33+93	44	RT	14	14	
34+61	45	RT	6	6	
34+77	43	RT	8	8	
35+47	40	RT	7	7	
35+77	37	RT	9	9	
35+85	39	RT	36		36
37+13	37	LT	6	6	
37+14	38	LT	7	7	
37+18	43	RT	36		36
37+57	38	RT	11	11	
38+11	38	RT	24		24
38+42	32	RT	6	6	
38+46	35	RT	32		32
38+51	48	RT	8	8	
38+44	38	LT	7	7	
38+62	40	LT	9	9	
38+71	28	LT	7	7	
38+95	37	LT	7	7	
39+00	40	RT	8	8	
39+02	38	LT	26		26
39+07	46	RT	36		36
39+32	34	LT	7	7	
39+37	46	RT	17		17
39+42	37	RT	16		16
39+43	41	RT	6	6	
39+43	39	RT	6	6	
41+16	40	RT	11	11	
41+22	39	LT	6	6	
41+27	38	LT	8	8	
41+45	42	RT	8	8	
41+47	41	RT	8	8	
41+50	42	RT	12	12	
41+52	43	RT	15	15	
41+45	36	LT	7	7	
41+45	39	LT	10	10	
41+48	37	LT	9	9	

STATION	OFFSET	LT/RT	DIAMETER (IN.)	TREE REMOVAL (6 TO 15 UNITS)	TREE REMOVAL (OVER 15)
41+52	36	LT	6	6	
41+52	37	LT	8	8	
41+52	39	LT	8	8	
41+75	36	RT	8	8	
42+00	31	LT	10	10	
42+00	33	LT	8	8	
42+04	44	RT	9	9	
42+05	45	RT	12	12	
42+19	31	LT	8	8	
42+42	28	LT	8	8	
42+52	25	LT	7	7	
42+82	25	LT	10	10	
42+84	26	LT	8	8	
42+84	56	RT	15	15	
42+93	57	RT	19		19
43+21	18	LT	8	8	
43+21	20	LT	8	8	
43+28	18	LT	7	7	
43+41	15	LT	6	6	
43+52	11	LT	6	6	
43+57	13	LT	10	10	
43+84	9	LT	7	7	
44+01	72	RT	22		22
45+92	25	RT	9	9	
45+94	25	RT	8	8	
45+95	25	RT	7	7	
46+04	28	RT	10	10	
49+97	4	LT	4		
50+27	32	RT	3		
50+63	62	RT	3		
51+54	93	RT	3		
52+10	91	RT	3		
52+60	92	RT	3		
53+07	86	RT	4		
53+56	81	RT	3		
54+03	77	RT	4		
54+50	66	RT	3		
54+90	60	RT	2		

STATION	OFFSET	LT/RT	DIAMETER (IN.)	TREE REMOVAL (6 TO 15 UNITS)	TREE REMOVAL (OVER 15)
54+90	62	RT	3		
54+90	61	RT	5		
54+92	61	RT	5		
55+02	55	RT	3		
55+99	33	RT	3		
56+47	17	RT	3		
57+40	5	LT	3		
57+89	14	LT	3		
58+37	22	LT	3		
58+87	29	LT	3		
59+35	33	LT	4		
IL 72 SUB TOTAL				458	264
BIG TIMBER ROAD					
139+95	37.50	RT	12	12	
140+10	37.50	RT	10	10	
140+46	38.20	RT	12	12	
140+60	38.50	RT	14	14	
140+75	38.80	RT	8	8	
140+82	38.50	RT	14	14	
140+96	35.60	RT	9	9	
140+97	37.90	RT	9	9	
141+17	33.50	RT	11	11	
141+17	34.70	RT	12	12	
142+28	32.00	LT	16		16
142+44	31.00	LT	12	12	
142+61	31.30	LT	12	12	
142+79	30.70	LT	10	10	
142+93	31.20	LT	7	7	
153+08	44.00	RT	9	9	
153+44	44.90	RT	14	14	
153+82	45.50	RT	9	9	
154+18	46.50	RT	13	13	
155+11	48.52	RT	9	9	
155+36	49.00	RT	10	10	
155+60	49.00	RT	10	10	
BIG TIMBER ROAD SUB TOTAL				226	16
TOTAL				684	280

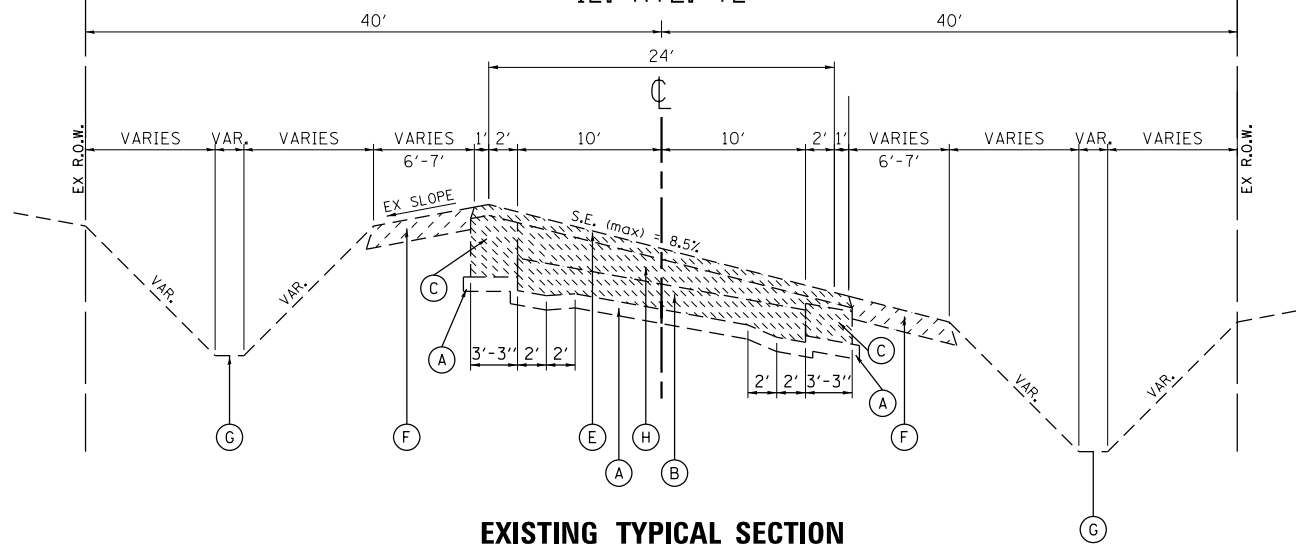
IL. RTE. 72



**EXISTING TYPICAL SECTION**

STA 34+95.66 TO STA 36+48.97  
 STA 42+97.86 TO STA 49+70.93  
 STA 57+35.38 TO STA 65+04.39

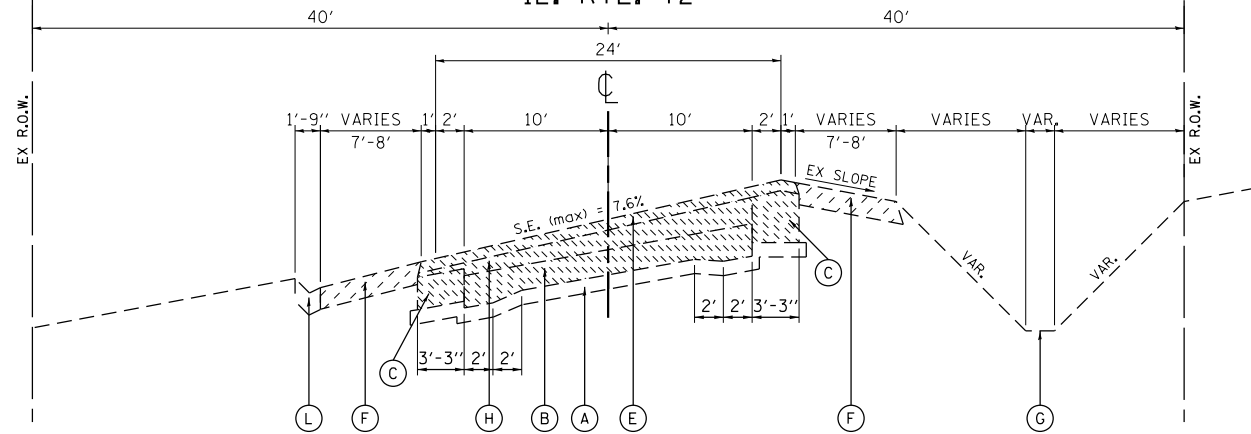
IL. RTE. 72



**EXISTING TYPICAL SECTION**

STA 36+48.97 TO STA 42+97.86

IL. RTE. 72



**EXISTING TYPICAL SECTION**

STA 49+70.93 TO STA 57+35.38

EXISTING LEGEND

- (A) AGGREGATE SUB-BASE
- (B) PCC PAVEMENT, 9"-7"-9"
- (C) HOT-MIX ASPHALT BASE COURSE, ± 9"
- (D) HOT-MIX ASPHALT COURSE, ± 5"
- (E) HOT-MIX ASPHALT COURSE, ± 3"
- (F) AGGREGATE SHOULDER, ± 6"
- (G) SWALE/DITCH
- (H) HOT-MIX ASPHALT COURSE, VARYING THICKNESS
- (I) AGGREGATE BASE COURSE
- (J) HOT-MIX ASPHALT COURSE, 7"-8"
- (K) HOT-MIX ASPHALT COURSE, 12"-15"
- (L) CONCRETE GUTTER, TYPE B
- (A F) EARTH EXCAVATION
- (B C D E H) PAVEMENT REMOVAL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
<b>FULL DEPTH PAVEMENT (IL 72), 10 3/4"</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F" N90 - IL 9.5mm, 2"	4.0% @ 90 Gyr.	OCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4.0% @ 90 Gyr.	OCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/2" (IN 2 LIFTS)	4.0% @ 70 Gyr.	OCP
<b>FULL DEPTH PAVEMENT (BIG TIMBER) 10"</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F" N90 - IL 9.5mm, 2"	4.0% @ 90 Gyr.	OCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4.0% @ 90 Gyr.	OCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 5 3/4" (IN 2 LIFTS)	4.0% @ 70 Gyr.	OCP
<b>PAVEMENT RESURFACING (BIG TIMBER)</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F" N90 - IL 9.5mm, 2"	4.0% @ 90 Gyr.	OCP
LEVELING BINDER (MACHINE METHOD), N70, IL-9.5, VARIES 1' to 2 1/4" OR	4.0% @ 70 Gyr.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIES > 2 1/4"	4.0% @ 70 Gyr.	QC/QA
<b>DRIVEWAYS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4.0% @ 50 Gyr.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19 mm), 6" (IN 2 LIFTS)	4.0% @ 50 Gyr.	QC/QA
<b>HOT-MIX ASPHALT SHOULDERS, 10 3/4" (IL 72)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", (IL 9.5mm) N70, 2"	4.0% @ 70 Gyr.	OCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8 3/4" (IN 3 LIFTS)	4.0% @ 70 Gyr.	OCP
<b>HOT-MIX ASPHALT SHOULDERS, 10" (BIG TIMBER)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", (IL 9.5mm) N70, 2"	4.0% @ 70 Gyr.	OCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8" (IN 2 LIFTS)	4.0% @ 70 Gyr.	OCP
<b>TEMPORARY PAVEMENT</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4.0% @ 50 Gyr.	OCP
TEMPORARY PAVEMENT (HMA BINDER, IL-19.0), 8" (IN 3 LIFTS)	4.0% @ 50 Gyr.	OCP
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19mm)	4.0% @ 70 Gyr.	QC/QA
<b>HOT-MIX ASPHALT BASE COURSE WIDENING, 8" (BIG TIMBER)</b>		
HMA Base Course (HMA Binder IL 19.0), 8" (IN 1 LIFTS)	4.0% @ 70 Gyr.	QC/QA

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QMP); PAY FOR PERFORMANCE (PFP)

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR HMA FULL DEPTH "AC TYPE", SEE SPECIAL PROVISIONS

FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

CONTRACTOR SHALL MILL BEFORE PATCHING OPERATIONS, SEE DETAIL BD-22. LOCATIONS OF PATCHES SHALL BE DETERMINED IN THE FIELD BY ENGINEER AFTER MILLING OPERATIONS.

IF CONTRACTOR CHOOSES PCC TEMPORARY PAVEMENT IT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS. PCC THICKNESS SHALL BE 8". TEMPORARY PAVEMENT USING EITHER HMA OR PCC OPTION SHALL BE PLACED ON A 4" AGGREGATE BASE COURSE. THE COST OF THE AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF EITHER TEMPORARY HMA OR PCC PAVEMENT.

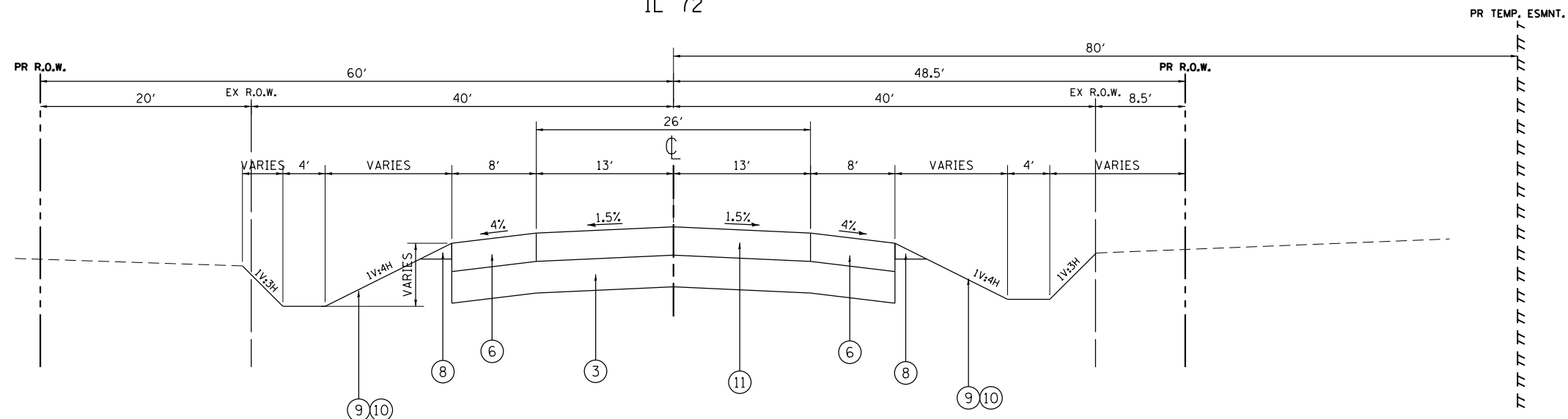
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATIONS THAT APPLY TO THE HMA MIXTURE

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	16
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



IL 72



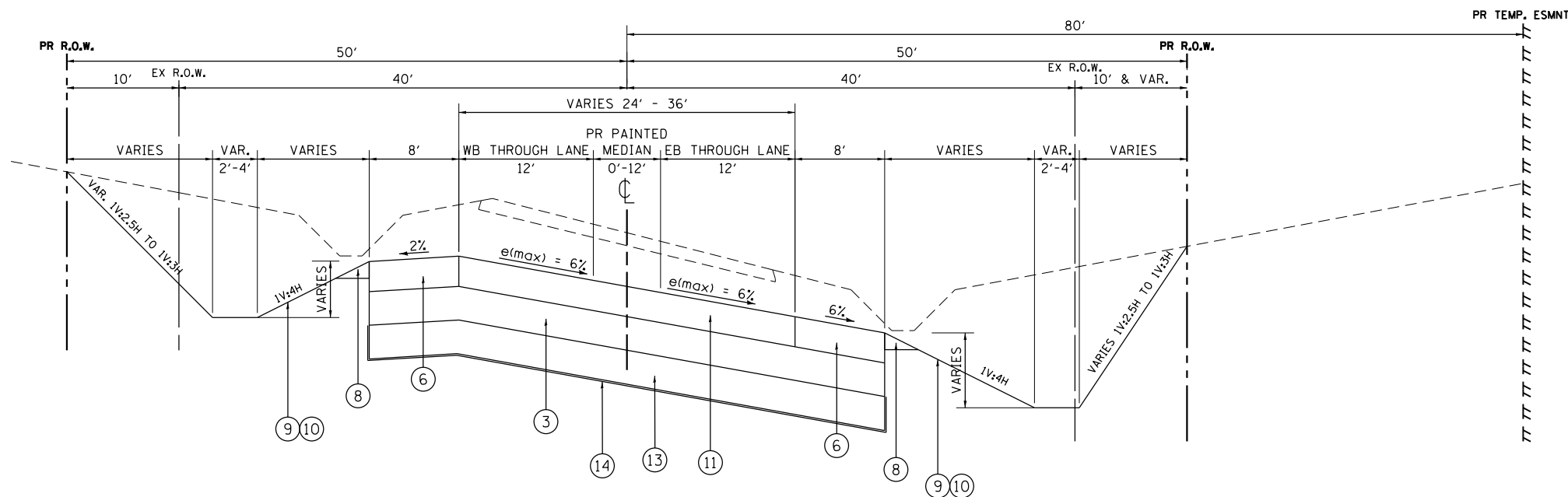
PROPOSED TYPICAL SECTION - RECONSTRUCTION

STA 34+95.66 TO STA 35+13  
STA 62+94 TO STA 64+50

PROPOSED LEGEND

- ① POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- ② LEVELING BINDER (MACHINE METHOD), N70
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ④ HMA BASE COURSE WIDENING, 8"
- ⑤ HMA SHOULDER, 10"
- ⑥ HMA SHOULDER, 10-3/4"
- ⑦ NOT USED
- ⑧ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT, 4"
- ⑩ SEEDING, CLASS 2A
- ⑪ HMA PAVEMENT FULL DEPTH, 10-3/4"
- ⑫ HMA PAVEMENT FULL DEPTH, 10"
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT, SEE GENERAL NOTES FOR LOCATIONS AND DEPTHS, (CY)
- ⑭ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SEE GENERAL NOTES FOR LOCATIONS.

IL 72

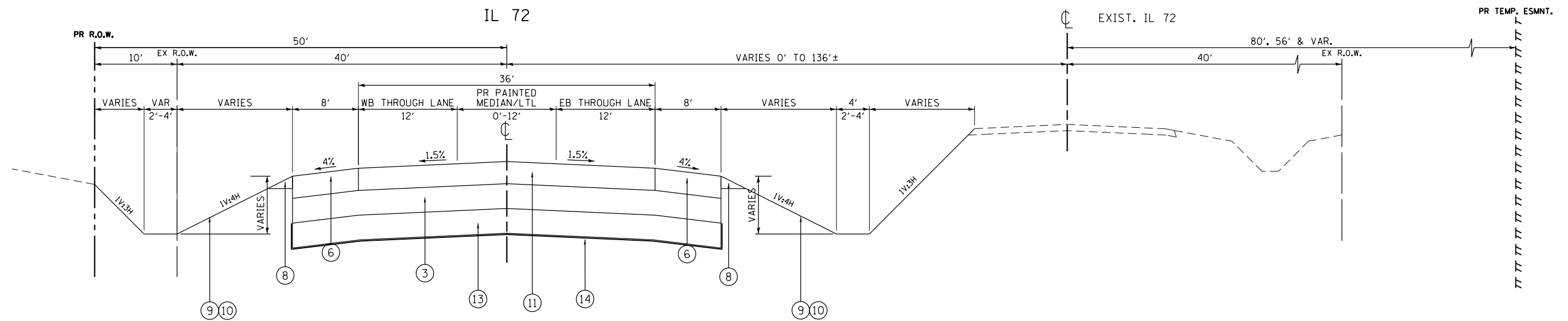


PROPOSED TYPICAL SECTION - RECONSTRUCTION

STA 35+13 TO STA 43+04

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

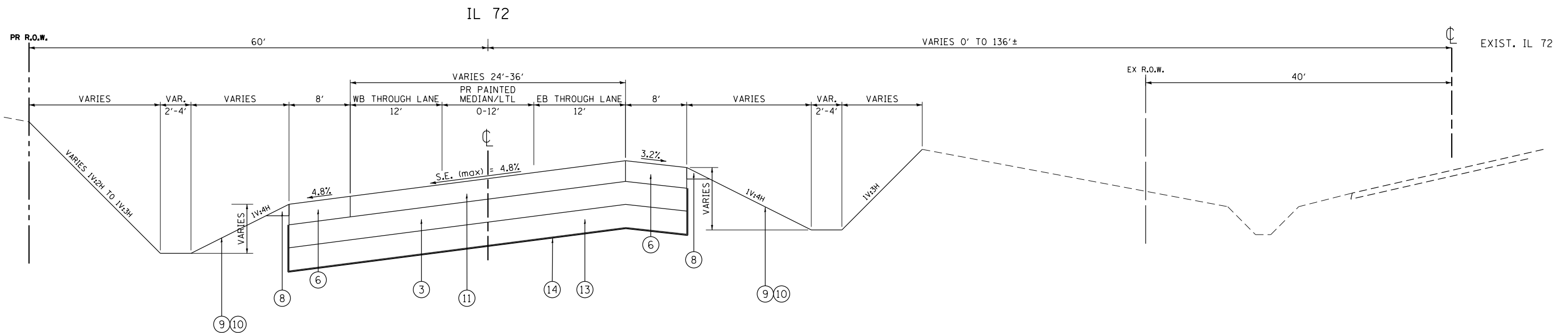
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	17
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION - RECONSTRUCTION  
STA 43+04 TO STA 50+63

PROPOSED LEGEND

- ① POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- ② LEVELING BINDER (MACHINE METHOD), N70
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ④ HMA BASE COURSE WIDENING, 8"
- ⑤ HMA SHOULDER, 10"
- ⑥ HMA SHOULDER, 10-3/4"
- ⑦ NOT USED
- ⑧ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT, 4"
- ⑩ SEEDING, CLASS 2A
- ⑪ HMA PAVEMENT FULL DEPTH, 10-3/4"
- ⑫ HMA PAVEMENT FULL DEPTH, 10"
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT, SEE GENERAL NOTES FOR LOCATIONS AND DEPTHS, (CY)
- ⑭ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SEE GENERAL NOTES FOR LOCATIONS.



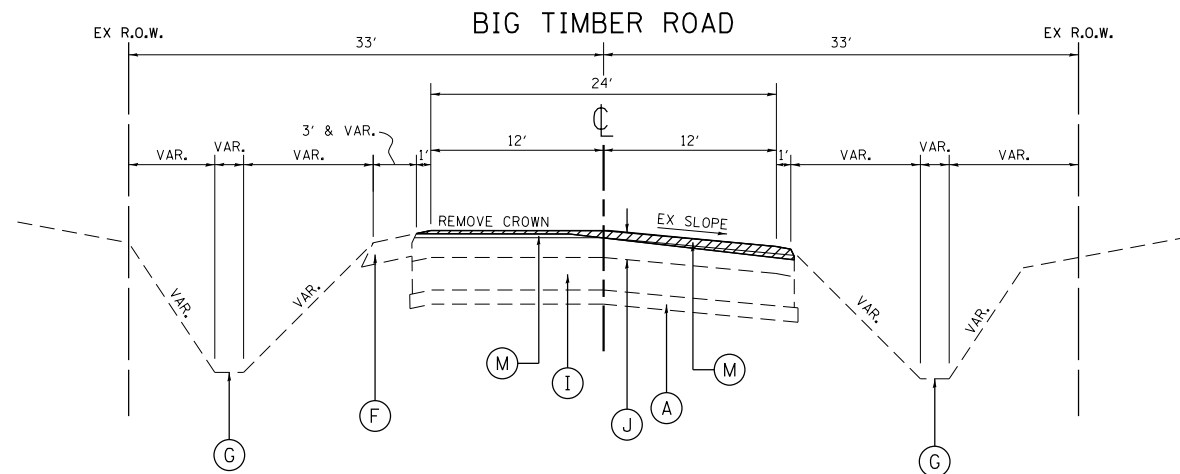
PROPOSED TYPICAL SECTION - RECONSTRUCTION  
STA 50+63 TO STA 62+94

PROPOSED LEGEND

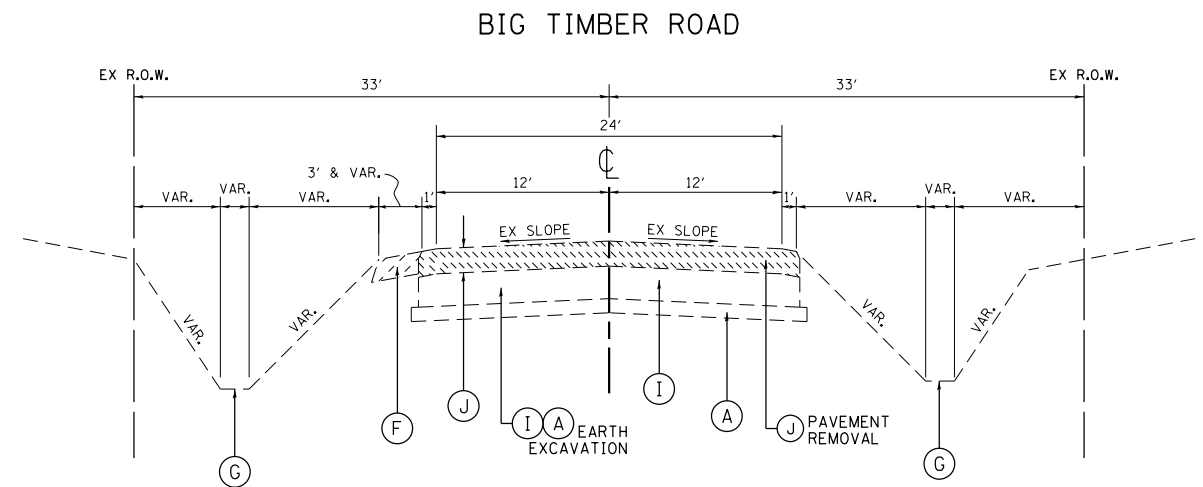
- ① POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- ② LEVELING BINDER (MACHINE METHOD), N70, VAR 1" TO 2-1/4"
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ④ HMA BASE COURSE WIDENING, 8"
- ⑤ HMA SHOULDER, 10"
- ⑥ HMA SHOULDER, 10-3/4"
- ⑦ HMA BINDER COURSE, IL 19.0mm, N70, > 2-1/4"
- ⑧ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑨ TOPSOIL, 4" & EROSION CONTROL BLANKET
- ⑩ SEEDING, CLASS 2A, 4, 4B OR 5A (SEE LANDSCAPE PLANS)
- ⑪ HMA PAVEMENT FULL DEPTH, 10-3/4"
- ⑫ HMA PAVEMENT FULL DEPTH, 10"
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT, SEE GENERAL NOTES FOR LOCATIONS AND DEPTHS, (CY)
- ⑭ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SEE GENERAL NOTES FOR LOCATIONS.
- ⑮ STRIP REFLECTIVE CRACK CONTROL

EXISTING LEGEND

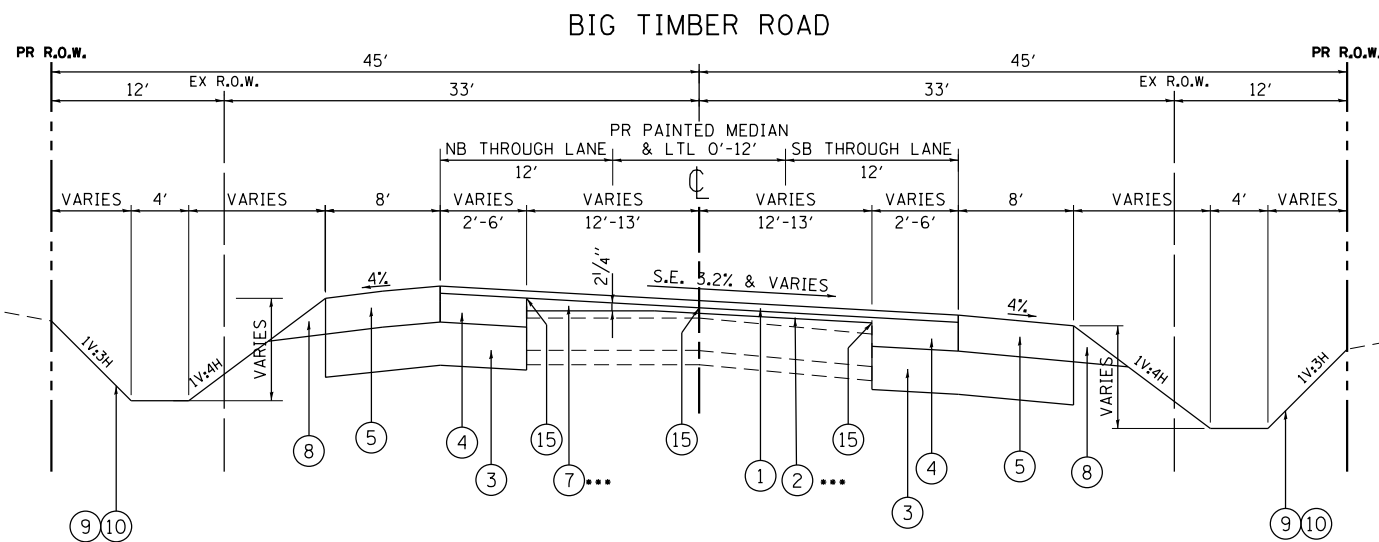
- Ⓐ EXISTING AGGREGATE SUB-BASE
- Ⓑ EXISTING PCC PAVEMENT, 9"-7"-9"
- Ⓒ EXISTING HOT-MIX ASPHALT BASE COURSE, ± 9"
- Ⓓ EXISTING HOT-MIX ASPHALT COURSE, ± 5"
- Ⓔ EXISTING HOT-MIX ASPHALT COURSE, ± 3"
- Ⓕ EXISTING AGGREGATE SHOULDER, ± 6"
- Ⓖ EXISTING SWALE/DITCH
- Ⓗ EXISTING HOT-MIX ASPHALT COURSE, VARYING THICKNESS
- Ⓘ EXISTING AGGREGATE BASE COURSE
- Ⓝ EXISTING HOT-MIX ASPHALT COURSE, 7"-8"
- Ⓚ EXISTING HOT-MIX ASPHALT COURSE, 12"-15"
- Ⓛ EXISTING CONCRETE GUTTER, TYPE B
- Ⓜ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH



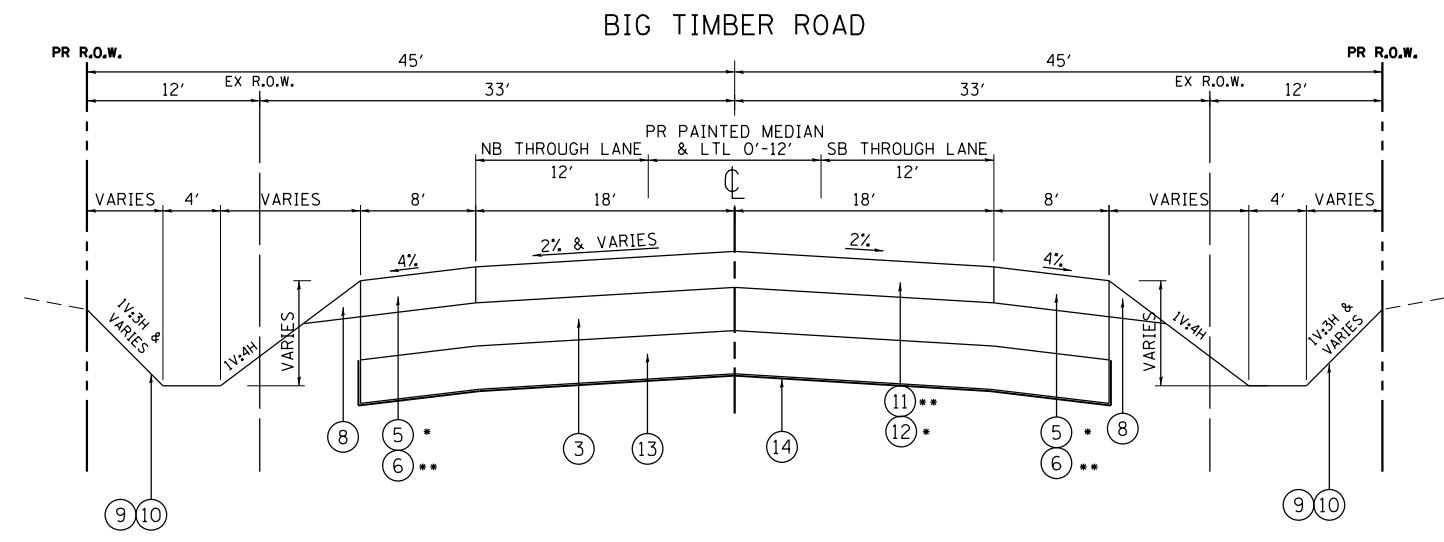
EXISTING TYPICAL SECTION  
STA 139+02.00 TO STA 144+55.00



EXISTING TYPICAL SECTION  
STA 144+55.00 TO STA 150+60.00



PROPOSED TYPICAL SECTION - WIDEN & RESURFACE  
STA 139+02.00 TO STA 144+55.00



PROPOSED TYPICAL SECTION - RECONSTRUCTION

\*\*\* WHERE LEVELING THICKNESS IS BETWEEN 1" AND 2 1/4",  
USE LEVELING BINDER (MACHINE METHOD) N70.  
WHERE LEVELING THICKNESS EXCEEDS 2 1/4",  
USE HMA BINDER COURSE, IL 19.0, N70.  
SEE CROSS SECTIONS FOR LOCATIONS.

\* STA 144+55.00 TO STA 147+50.00  
\*\* STA 147+50.00 TO STA 150+60.00  
(INCLUDES IL 72 INTERSECTION)

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE = 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	19
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

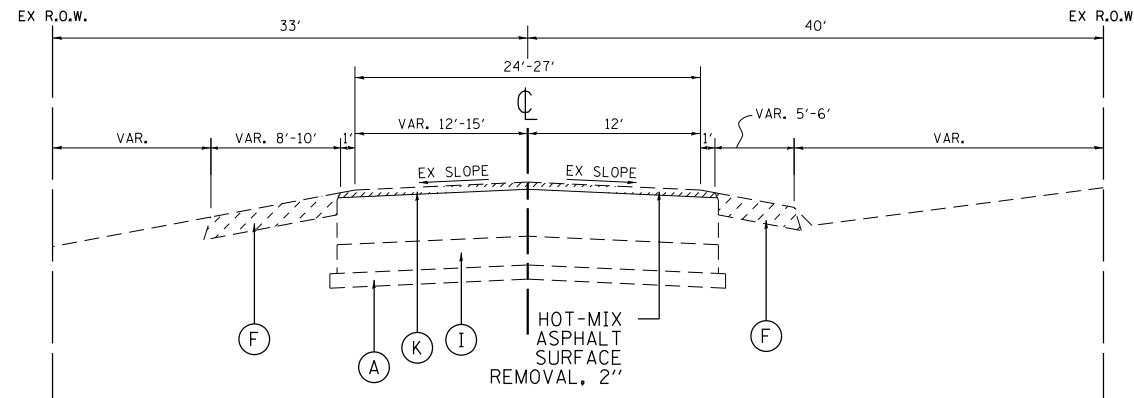
**PROPOSED LEGEND**

- ① POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- ② LEVELING BINDER (MACHINE METHOD), N70
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ④ HMA BASE COURSE WIDENING, 8"
- ⑤ HMA SHOULDER, 10"
- ⑥ HMA SHOULDER, 10-3/4"
- ⑦ NOT USED
- ⑧ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT, 4"
- ⑩ SEEDING, CLASS 2A
- ⑪ HMA PAVEMENT FULL DEPTH, 10-3/4"
- ⑫ HMA PAVEMENT FULL DEPTH, 10"
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT, SEE GENERAL NOTES FOR LOCATIONS AND DEPTHS, (CY)
- ⑭ STRIP REFLECTIVE CRACK CONTROL

**EXISTING LEGEND**

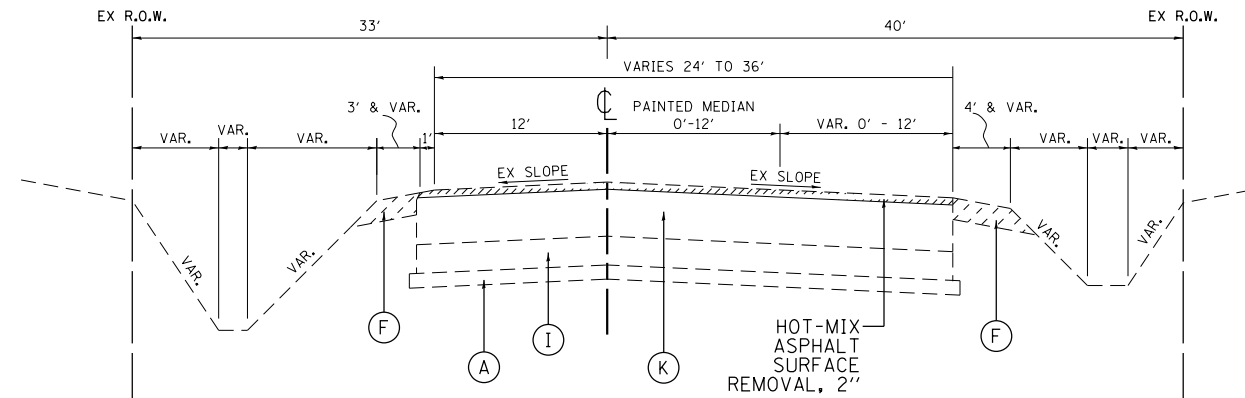
- Ⓐ EXISTING AGGREGATE SUB-BASE
- Ⓑ EXISTING PCC PAVEMENT, 9"-7"-9"
- Ⓒ EXISTING HOT-MIX ASPHALT BASE COURSE, ± 9"
- Ⓓ EXISTING HOT-MIX ASPHALT COURSE, ± 5"
- Ⓔ EXISTING HOT-MIX ASPHALT COURSE, ± 3"
- Ⓕ EXISTING AGGREGATE SHOULDER, ± 6"
- Ⓖ EXISTING SWALE/DITCH
- Ⓗ EXISTING HOT-MIX ASPHALT COURSE, VARYING THICKNESS
- Ⓘ EXISTING AGGREGATE BASE COURSE
- Ⓝ EXISTING HOT-MIX ASPHALT COURSE, 7"-8"
- Ⓚ EXISTING HOT-MIX ASPHALT COURSE, 12"-15"
- Ⓛ EXISTING CONCRETE GUTTER, TYPE B

**BIG TIMBER ROAD**



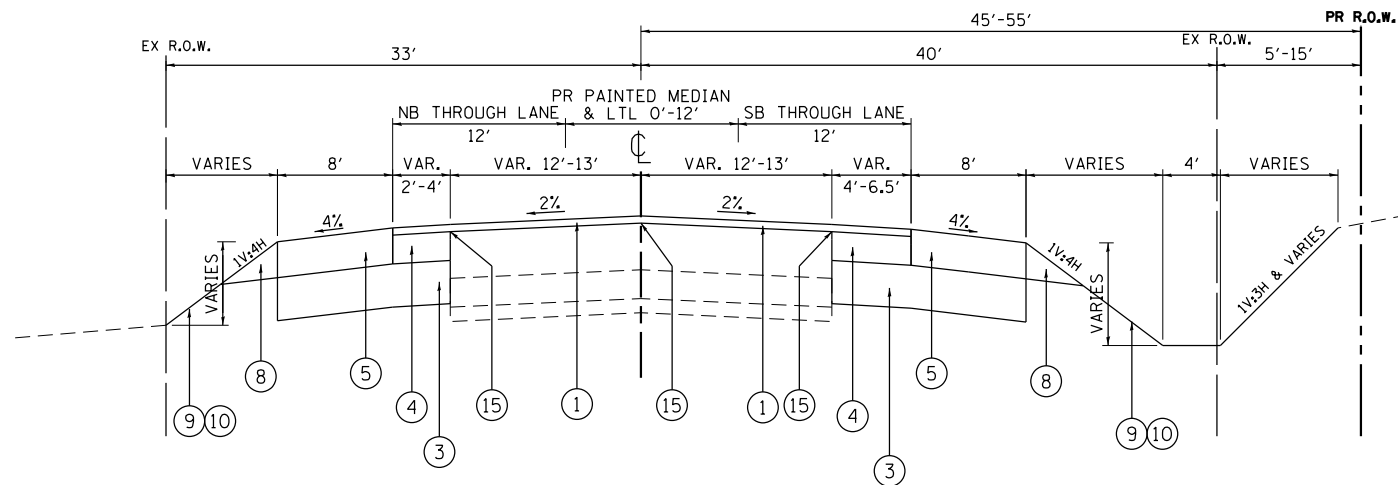
**EXISTING TYPICAL SECTION**  
STA 150+60.00 TO STA 152+87.14

**BIG TIMBER ROAD**



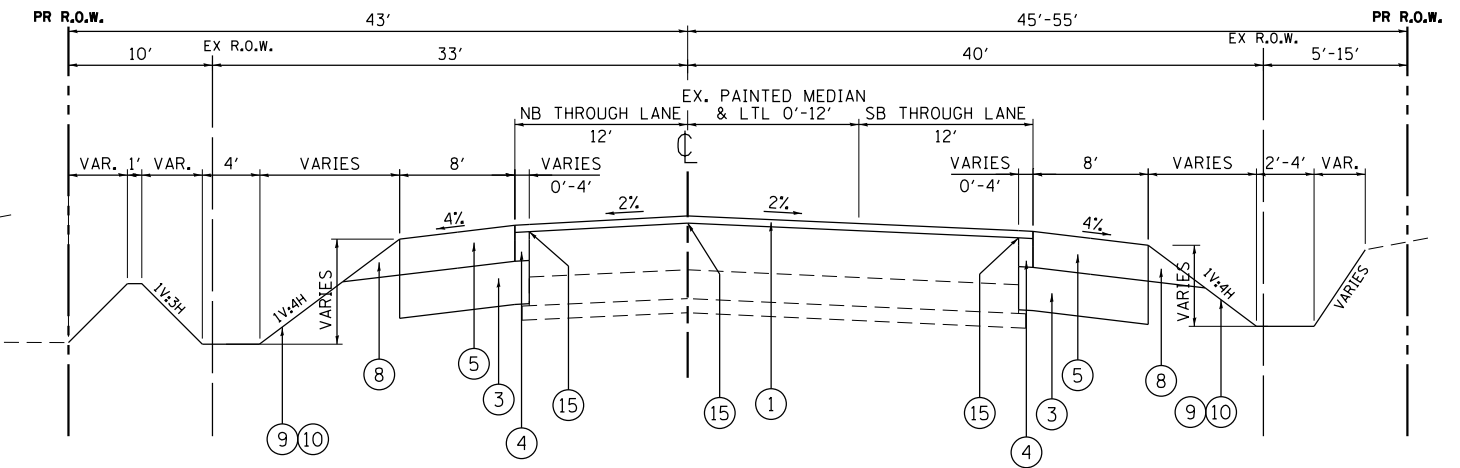
**EXISTING TYPICAL SECTION**  
STA 152+87.14 TO STA 157+56.60

**BIG TIMBER ROAD**

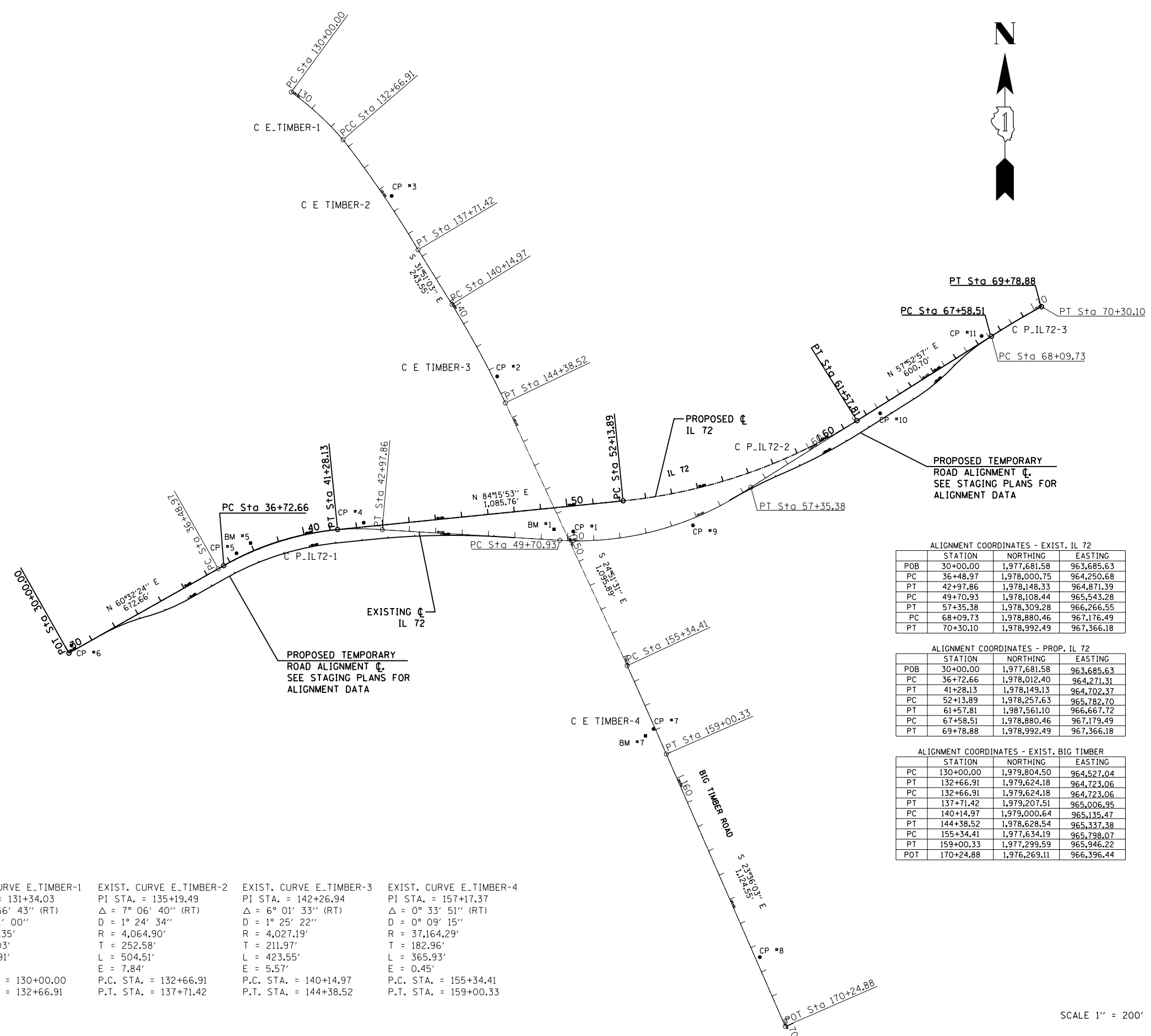


**PROPOSED TYPICAL SECTION - WIDEN & RESURFACE**  
STA 150+60.00 TO STA 152+87.14

**BIG TIMBER ROAD**



**PROPOSED TYPICAL SECTION - WIDEN & RESURFACE**  
STA 152+87.14 TO STA 157+56.60



**BENCHMARK #1**

ELEV. 911.07'  
RAILROAD SPIKE 1.0' ABOVE  
GROUND LEVEL IN POWER POLE  
AT N.W. CORNER OF IL 72 AND  
BIG TIMBER ROAD  
STA. 149+50.61, 33.81' RT.

**BENCHMARK #5**

ELEV. 928.52'  
FOUND BOX CUT AT  
S.E. CORNER CONCRETE  
HEADWALL FOR 6'x6' CATTLE  
CROSSING UNDER IL 72  
STA. 37+99.63, 31.37' LT.

**BENCHMARK #7**

ELEV. 904.49'  
FOUND BOX CUT AT TOP  
N. END OF FLARED END SECTION  
ON CULVERT UNDER THREE OAKS  
FARMS ROAD ON W. SIDE OF BIG TIMBER  
STA. 158+06.36, 44.29' RT.

PROP. CURVE P\_IL72-1  
PI STA. = 39+03.70  
Δ = 23° 43' 27" (RT)  
D = 5° 12' 31"  
R = 1,100.00'  
T = 231.05'  
L = 455.47'  
E = 24.00'  
e = 6%  
T.R. = 44' & 48'  
S.E. RUN = 173' & 191'  
P.C. STA. = 36+72.66  
P.T. STA. = 41+28.13

PROP. CURVE P\_IL72-2  
PI STA. = 56+94.37  
Δ = 26° 22' 54" (LT)  
D = 2° 47' 42"  
R = 2,050.00'  
T = 480.48'  
L = 943.92'  
E = 55.55'  
e = 4.8%  
T.R. = 48' & 44'  
S.E. RUN = 153' & 138'  
P.C. STA. = 52+13.89  
P.T. STA. = 61+57.81

PROP. CURVE P\_IL72-3  
PI STA. = 68+68.76  
Δ = 4° 55' 14" (RT)  
D = 2° 13' 58"  
R = 2,566.01'  
T = 110.25'  
L = 220.37'  
E = 2.37'  
P.C. STA. = 67+58.51  
P.T. STA. = 69+78.88

EXIST. CURVE E\_IL72-1  
PI STA. = 39+84.81  
Δ = 36° 26' 12" (RT)  
D = 5° 36' 55"  
R = 1,020.36'  
T = 335.84'  
L = 648.89'  
E = 53.85'  
P.C. STA. = 36+48.97  
P.T. STA. = 42+97.86

EXIST. CURVE E\_IL72-2  
PI STA. = 53+67.67  
Δ = 37° 49' 55" (LT)  
D = 4° 56' 56"  
R = 1,157.74'  
T = 396.75'  
L = 764.45'  
E = 66.09'  
P.C. STA. = 49+70.93  
P.T. STA. = 57+35.38

EXIST. CURVE E\_IL72-3  
PI STA. = 69+19.98  
Δ = 4° 55' 14" (RT)  
D = 2° 13' 58"  
R = 2,566.01'  
T = 110.25'  
L = 220.37'  
E = 2.37'  
P.C. STA. = 68+09.73  
P.T. STA. = 70+30.10

EXIST. CURVE E\_TIMBER-1  
PI STA. = 131+34.03  
Δ = 12° 56' 43" (RT)  
D = 4° 51' 00"  
R = 1,181.35'  
T = 134.03'  
L = 266.91'  
E = 7.58'  
P.C. STA. = 130+00.00  
P.T. STA. = 132+66.91

EXIST. CURVE E\_TIMBER-2  
PI STA. = 135+19.49  
Δ = 7° 06' 40" (RT)  
D = 1° 24' 34"  
R = 4,064.90'  
T = 252.58'  
L = 504.51'  
E = 7.84'  
P.C. STA. = 132+66.91  
P.T. STA. = 137+71.42

EXIST. CURVE E\_TIMBER-3  
PI STA. = 142+26.94  
Δ = 6° 01' 33" (RT)  
D = 1° 25' 22"  
R = 4,027.19'  
T = 211.97'  
L = 423.55'  
E = 5.57'  
P.C. STA. = 140+14.97  
P.T. STA. = 144+38.52

EXIST. CURVE E\_TIMBER-4  
PI STA. = 157+17.37  
Δ = 0° 33' 51" (RT)  
D = 0° 09' 15"  
R = 37,164.29'  
T = 182.96'  
L = 365.93'  
E = 0.45'  
P.C. STA. = 155+34.41  
P.T. STA. = 159+00.33

ALIGNMENT COORDINATES - EXIST. IL 72

STATION	NORTHING	EASTING
POB 30+00.00	1,977,681.58	963,685.63
PC 36+48.97	1,978,000.75	964,250.68
PT 42+97.86	1,978,148.33	964,871.39
PC 49+70.93	1,978,108.44	965,543.28
PT 57+35.38	1,978,309.28	966,266.55
PC 68+09.73	1,978,880.46	967,176.49
PT 70+30.10	1,978,992.49	967,366.18

ALIGNMENT COORDINATES - PROP. IL 72

STATION	NORTHING	EASTING
POB 30+00.00	1,977,681.58	963,685.63
PC 36+72.66	1,978,012.40	964,271.31
PT 41+28.13	1,978,149.13	964,702.37
PC 52+13.89	1,978,257.63	965,782.70
PT 61+57.81	1,987,561.10	966,667.72
PC 67+58.51	1,978,880.46	967,179.49
PT 69+78.88	1,978,992.49	967,366.18

ALIGNMENT COORDINATES - EXIST. BIG TIMBER

STATION	NORTHING	EASTING
PC 130+00.00	1,979,804.50	964,527.04
PT 132+66.91	1,979,624.18	964,723.06
PC 132+66.91	1,979,624.18	964,723.06
PT 137+71.42	1,979,207.51	965,006.95
PC 140+14.97	1,979,000.64	965,135.47
PT 144+38.52	1,978,628.54	965,337.38
PC 155+34.41	1,977,634.19	965,798.07
PT 159+00.33	1,977,299.59	965,946.22
POT 170+24.88	1,976,269.11	966,396.44

SCALE 1" = 200'



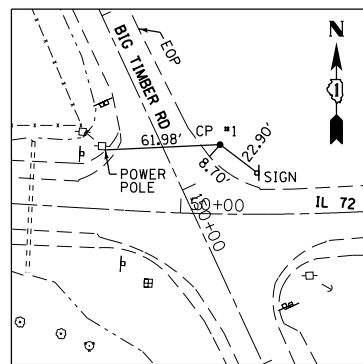
USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 400.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
ALIGNMENT, CONTROL POINT AND TIE SHEET**

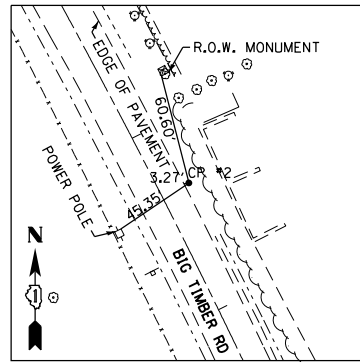
SCALE: 1"=200' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	21
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



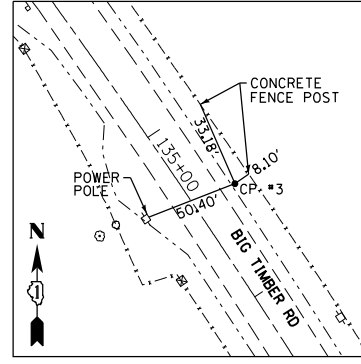
**CONTROL POINT #1**

FOUND REBAR AT  
NE CORNER OF IL 72 AND BIG TIMBER RD  
STATION 149+87.80, 28.35' LT  
N 1,978,142.07  
E 965,594.01



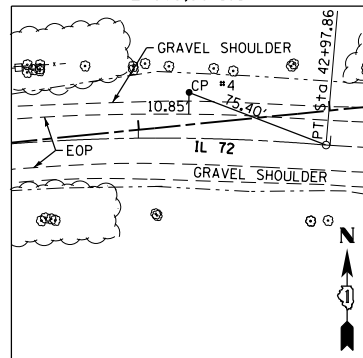
**CONTROL POINT #2**

FOUND REBAR W/ CAP IN  
DITCH FLOWLINE  
STATION 143+35.16, 16.30' LT  
N 1,978,728.65  
E 965,594.01



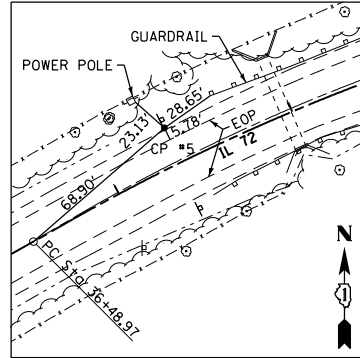
**CONTROL POINT #3**

FOUND REBAR W/ CAP  
IN DITCH LINE  
STATION 135+46.35, 24.48' LT  
N 1,979,411.39  
E 964,907.02



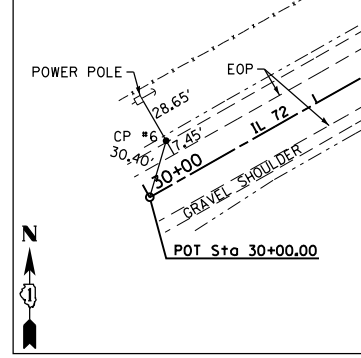
**CONTROL POINT #4**

FOUND REBAR W/ CAP IN  
BACK OF SHOULDER  
STATION 42+28.90, 16.05' LT  
N 1,978,175.16  
E 964,801.04



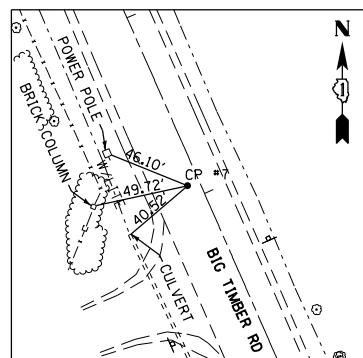
**CONTROL POINT #5**

FOUND IR (SPINNER) REMOVED  
AND PUT IN NEW REBAR  
STATION 37+37.03, 18.92' LT  
N 1,978,059.40  
E 964,319.93



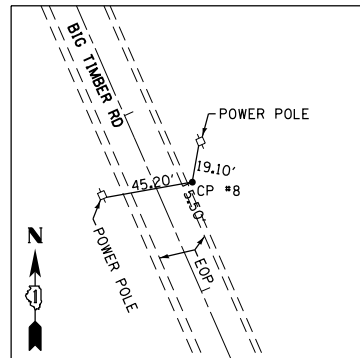
**CONTROL POINT #6**

FOUND REBAR W/ CAP  
IN GRAVEL SHOULDER  
STATION 30+22.53, 20.41' LT  
N 1,977,710.43  
E 963,695.21



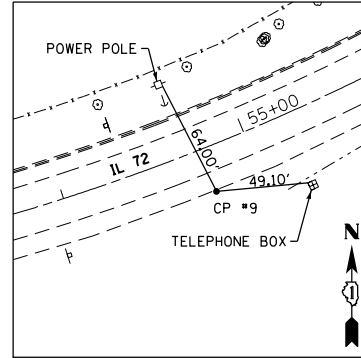
**CONTROL POINT #7**

SET PK NAIL IN  
ASPHALT PAINTED MEDIAN  
STATION 157+93.73, 5.75' RT  
N 1,977,394.90  
E 965,898.14



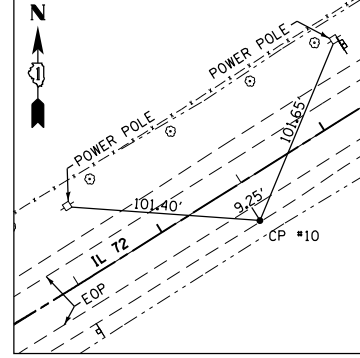
**CONTROL POINT #8**

FOUND REBAR W/ CAP IN  
GRAVEL SHOULDER  
STATION 167+45.90, 16.56' LT  
N 1,976,531.38  
E 966,299.92



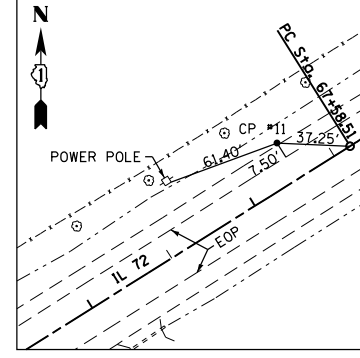
**CONTROL POINT #9**

FOUND REBAR W/ CAP ON THE  
SE'LY SIDE OF IL 72  
STATION 54+52.89, 133.22' RT  
N 1,978,165.21  
E 966,047.22



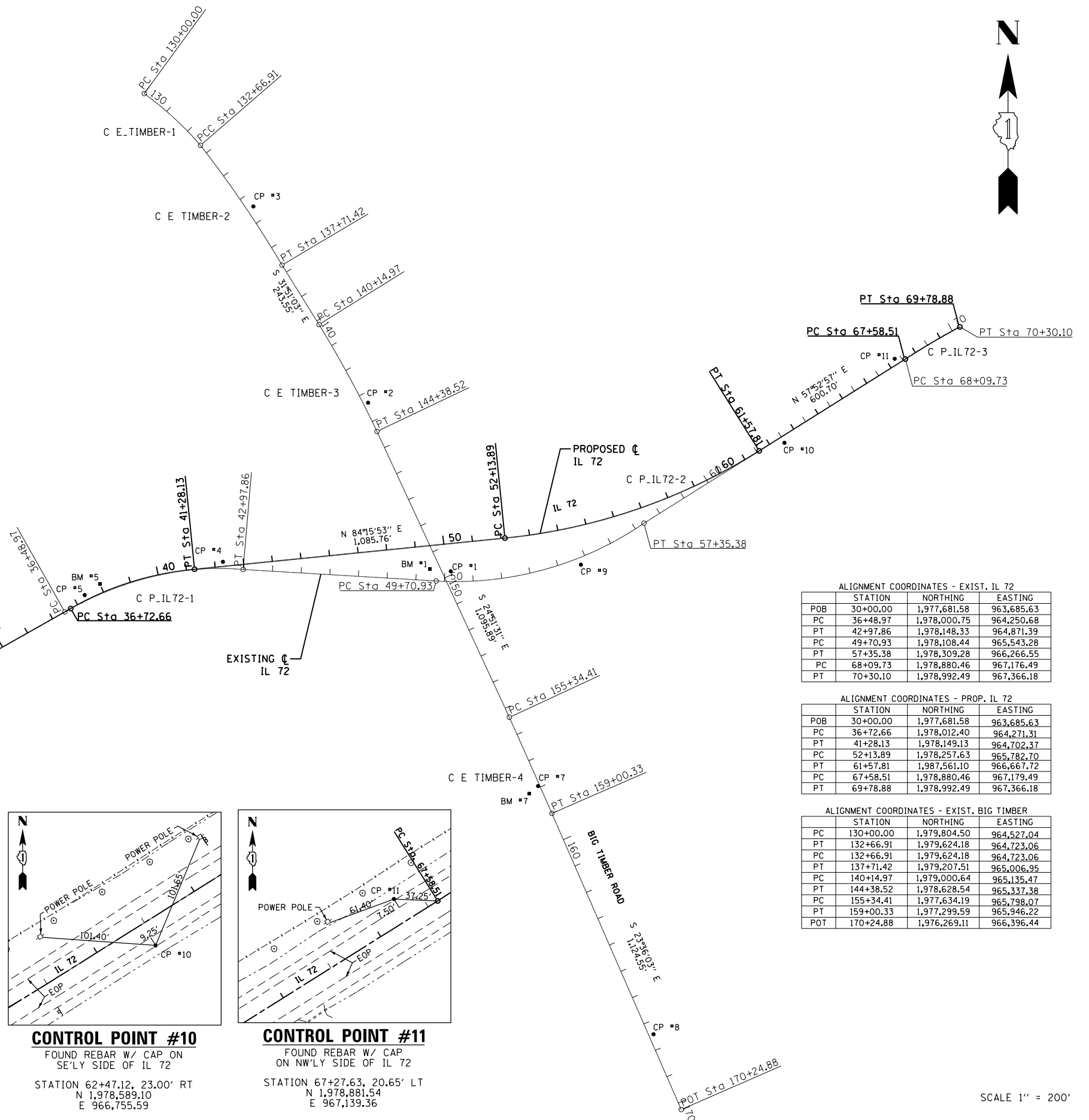
**CONTROL POINT #10**

FOUND REBAR W/ CAP ON  
SE'LY SIDE OF IL 72  
STATION 62+47.12, 23.00' RT  
N 1,978,589.10  
E 966,755.59



**CONTROL POINT #11**

FOUND REBAR W/ CAP  
ON NW'LY SIDE OF IL 72  
STATION 67+27.63, 20.65' LT  
N 1,978,881.54  
E 967,139.36



ALIGNMENT COORDINATES - EXIST. IL 72

STATION	NORTHING	EASTING	
POB	30+00.00	1,977,681.58	963,685.63
PC	36+48.97	1,978,000.75	964,250.68
PT	42+97.86	1,978,148.33	964,871.39
PC	49+70.93	1,978,108.44	965,543.28
PT	57+35.38	1,978,309.28	966,266.55
PC	68+09.73	1,978,880.46	967,176.49
PT	70+30.10	1,978,992.49	967,366.18

ALIGNMENT COORDINATES - PROP. IL 72

STATION	NORTHING	EASTING	
POB	30+00.00	1,977,681.58	963,685.63
PC	36+72.66	1,978,012.40	964,271.31
PT	41+28.13	1,978,149.13	964,702.37
PC	52+13.89	1,978,257.63	965,782.70
PT	57+58.81	1,978,561.10	966,667.72
PC	67+58.51	1,978,880.46	967,179.49
PT	69+78.88	1,978,992.49	967,366.18

ALIGNMENT COORDINATES - EXIST. BIG TIMBER

STATION	NORTHING	EASTING	
PC	130+00.00	1,979,804.50	964,527.04
PT	132+66.91	1,979,624.18	964,723.06
PC	132+66.91	1,979,624.18	964,723.06
PT	137+14.42	1,979,207.51	965,006.95
PC	140+14.97	1,979,000.64	965,135.47
PT	144+38.52	1,978,628.54	965,337.38
PC	155+34.41	1,977,634.19	965,798.07
PT	159+00.33	1,977,299.59	965,946.22
POT	170+24.88	1,976,269.11	966,396.44

SCALE 1" = 200'



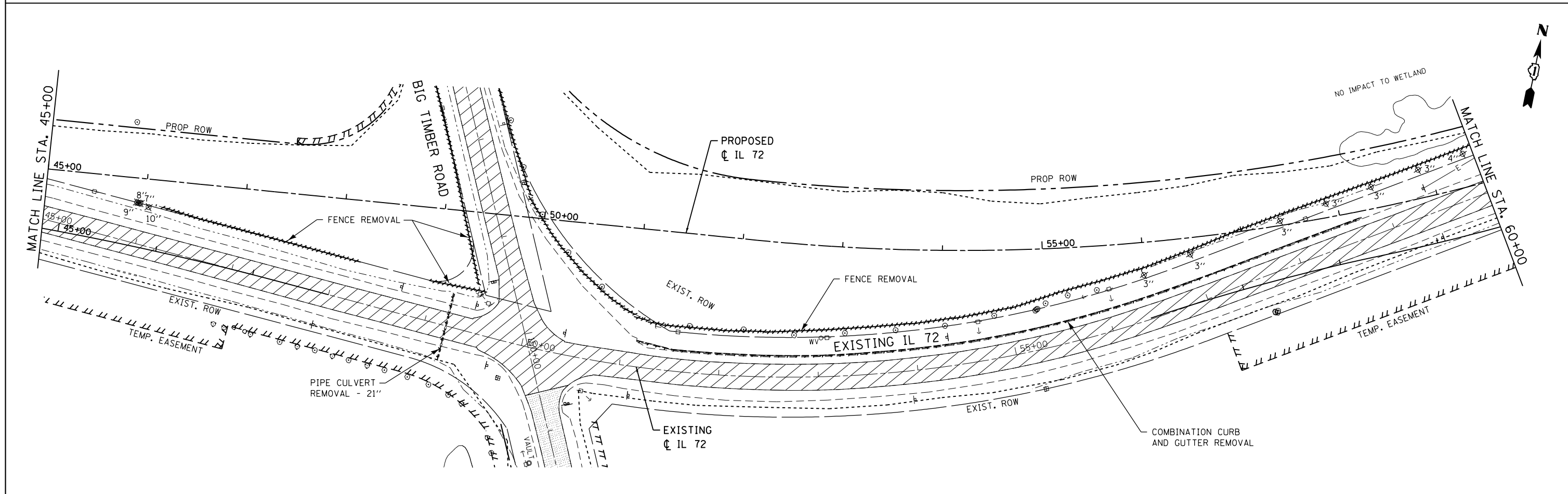
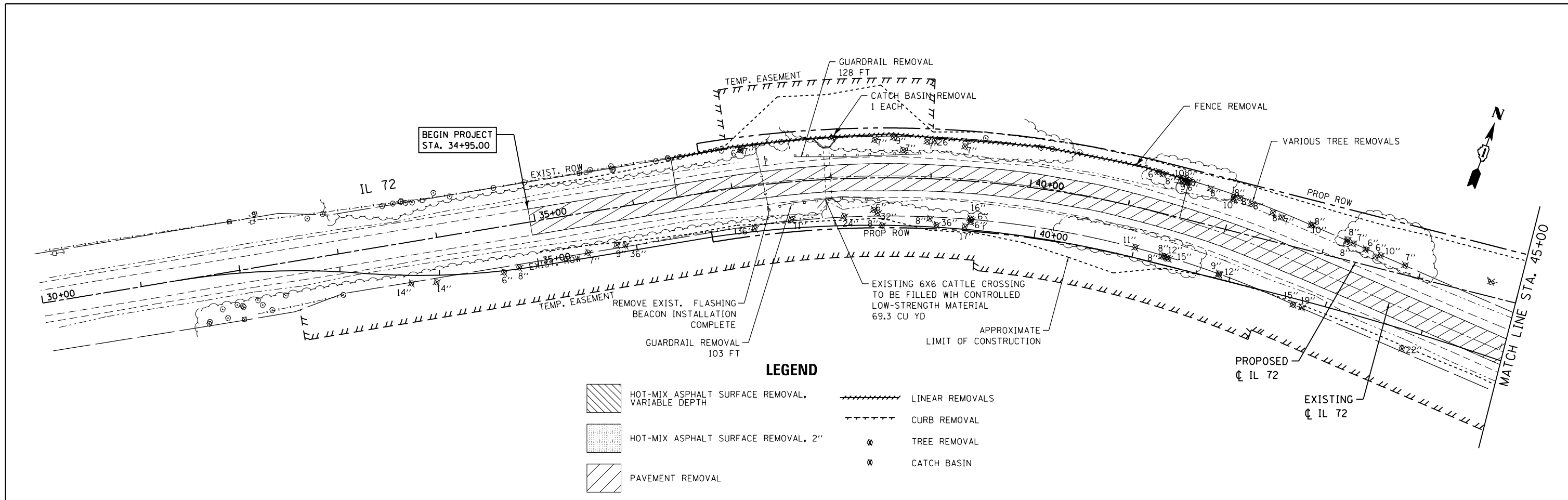
USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 400.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE = 3/16/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

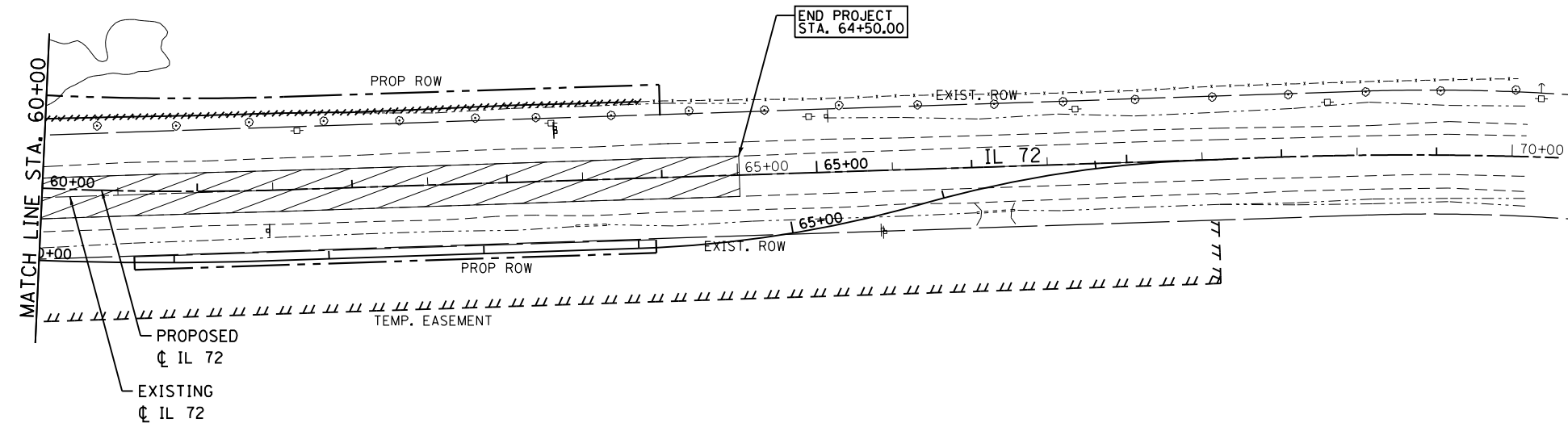
IL ROUTE 72 AT BIG TIMBER ROAD  
ALIGNMENT, CONTROL POINT AND TIE SHEET  
SCALE: 1"=200' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	22

CONTRACT NO. 62407  
ILLINOIS FED. AID PROJECT



8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>REMOVAL PLAN</b>			F.A.P. R.T.E. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 23
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 3 SHEETS	STA. 30+00	TO STA. 60+00	<b>CONTRACT NO. 62407</b>		
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -			ILLINOIS FED. AID PROJECT						



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- PAVEMENT REMOVAL
- LINEAR REMOVALS
- CURB REMOVAL
- TREE REMOVAL
- CATCH BASIN

**GRAEF**  
 8501 N. Higgins Road Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

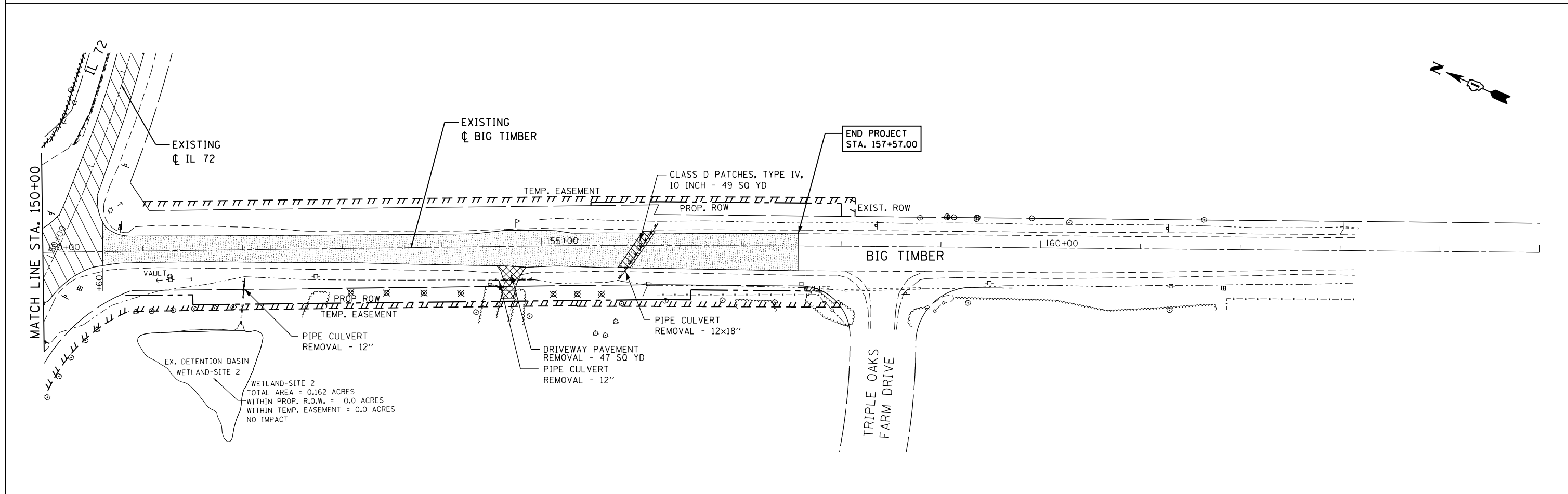
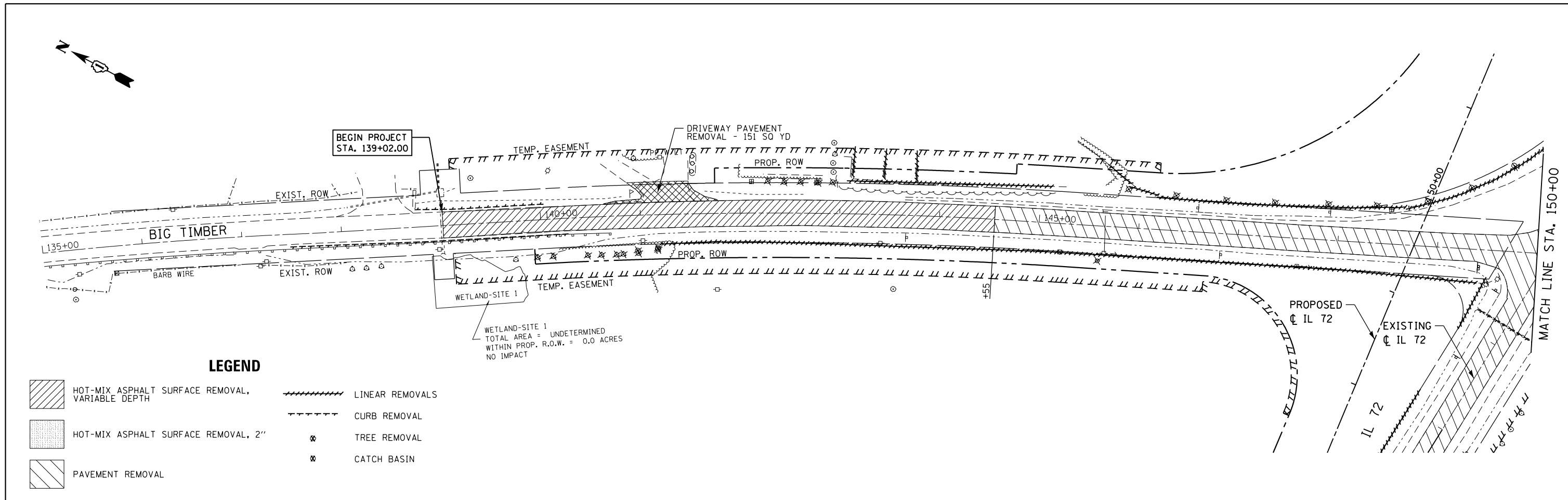
**IL ROUTE 72 AT BIG TIMBER ROAD  
 REMOVAL PLAN**

SCALE: 1"=50'    SHEET 2 OF 3 SHEETS    STA. 60+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	24
<b>CONTRACT NO. 62407</b>				

ILLINOIS FED. AID PROJECT





<b>GRAEF</b> 8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> 135+00	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>REMOVAL PLAN</b>			F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 25
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SHEET 3 OF 3 SHEETS STA. 135+00 TO STA. 165+00			<b>CONTRACT NO. 62407</b>				
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -		ILLINOIS FED. AID PROJECT							

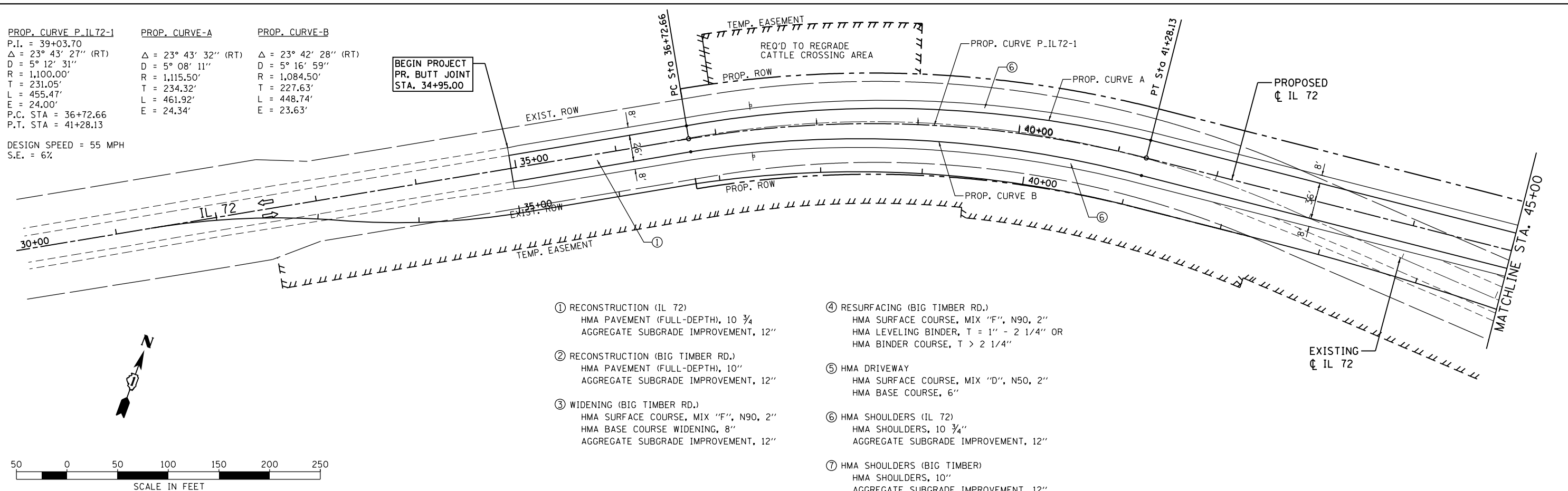
**PROP. CURVE P\_IL72-1**  
 P.I. = 39+03.70  
 $\Delta = 23^\circ 43' 27''$  (RT)  
 $D = 5^\circ 12' 31''$   
 $R = 1,100.00'$   
 $T = 231.05'$   
 $L = 455.47'$   
 $E = 24.00'$   
 $P.C. STA = 36+72.66$   
 $P.T. STA = 41+28.13$

**PROP. CURVE-A**  
 $\Delta = 23^\circ 43' 32''$  (RT)  
 $D = 5^\circ 08' 11''$   
 $R = 1,115.50'$   
 $T = 234.32'$   
 $L = 461.92'$   
 $E = 24.34'$

**PROP. CURVE-B**  
 $\Delta = 23^\circ 42' 28''$  (RT)  
 $D = 5^\circ 16' 59''$   
 $R = 1,084.50'$   
 $T = 227.63'$   
 $L = 448.74'$   
 $E = 23.63'$

DESIGN SPEED = 55 MPH  
 S.E. = 6%

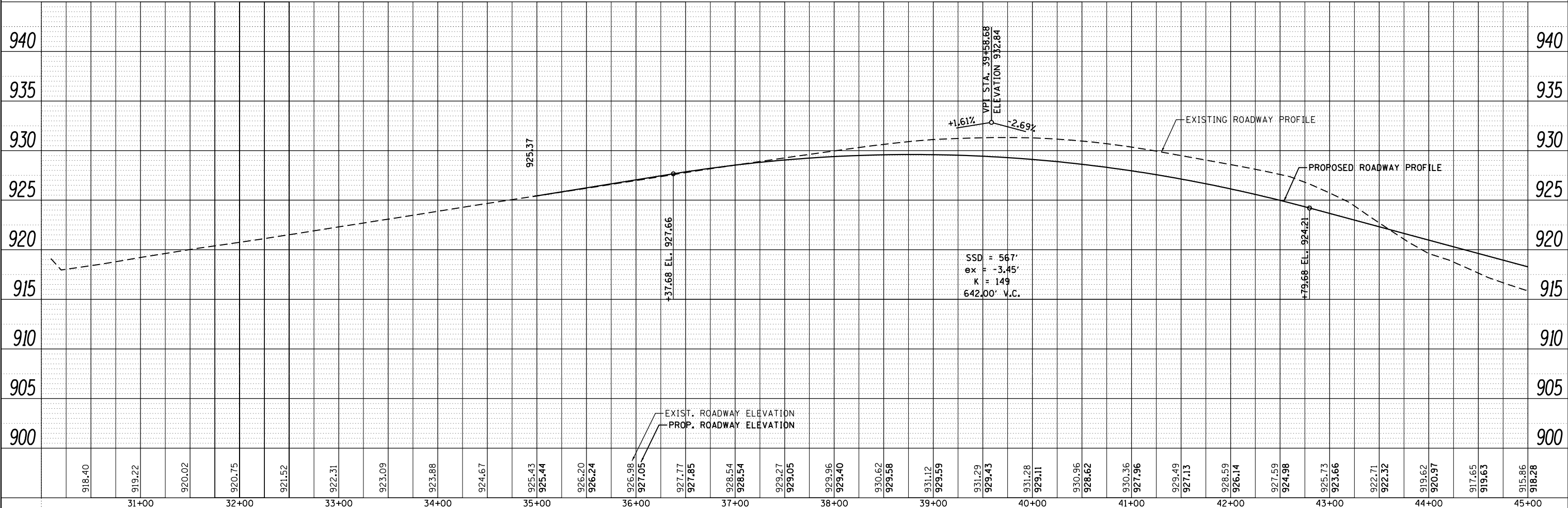
**BEGIN PROJECT**  
**PR. BUTT JOINT**  
**STA. 34+95.00**



- ① RECONSTRUCTION (IL 72)  
HMA PAVEMENT (FULL-DEPTH), 10 3/4"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ② RECONSTRUCTION (BIG TIMBER RD.)  
HMA PAVEMENT (FULL-DEPTH), 10"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ WIDENING (BIG TIMBER RD.)  
HMA SURFACE COURSE, MIX "F", N90, 2"  
HMA BASE COURSE WIDENING, 8"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ RESURFACING (BIG TIMBER RD.)  
HMA SURFACE COURSE, MIX "F", N90, 2"  
HMA LEVELING BINDER, T = 1" - 2 1/4" OR  
HMA BINDER COURSE, T > 2 1/4"
- ⑤ HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
HMA BASE COURSE, 6"
- ⑥ HMA SHOULDERS (IL 72)  
HMA SHOULDERS, 10 3/4"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ HMA SHOULDERS (BIG TIMBER)  
HMA SHOULDERS, 10"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILED	
NO.	

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



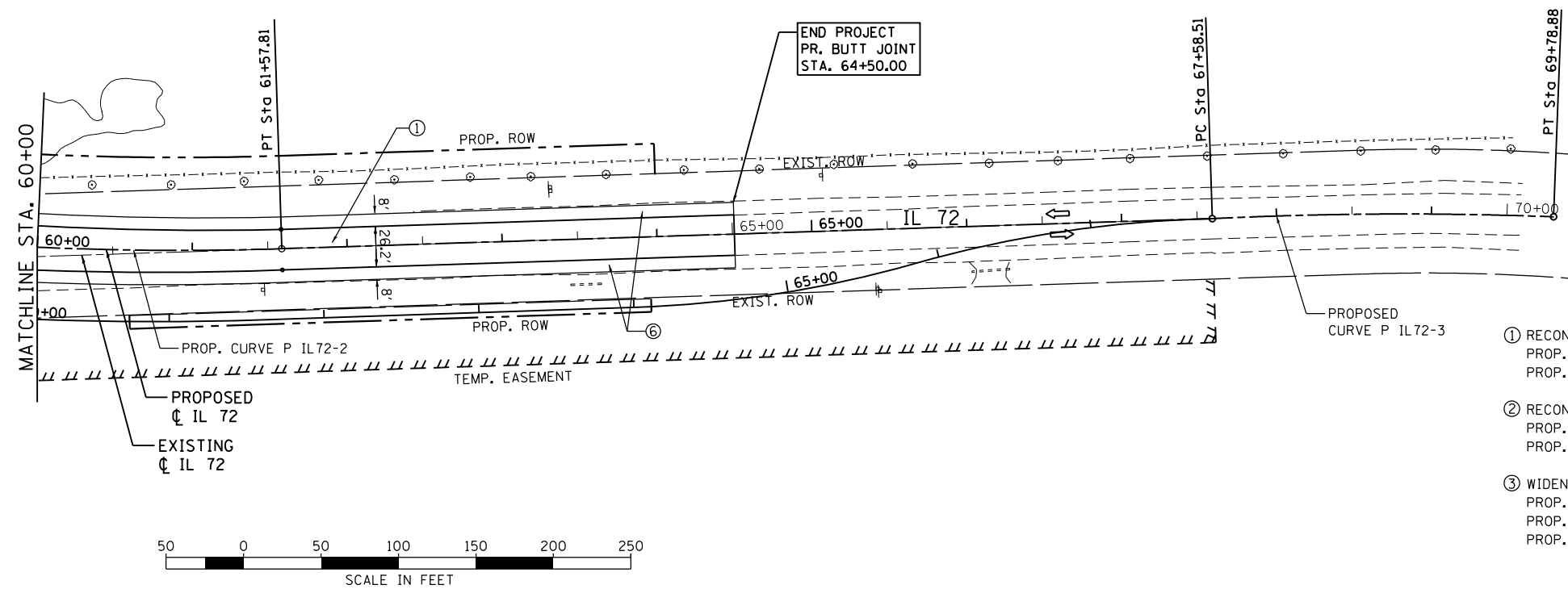
<b>GRAF</b> 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>ROADWAY PLAN AND PROFILE</b>			F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 26
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 5 SHEETS	STA. 30+00	TO STA. 45+00	CONTRACT NO. 62407		
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -		ILLINOIS FED. AID PROJECT							



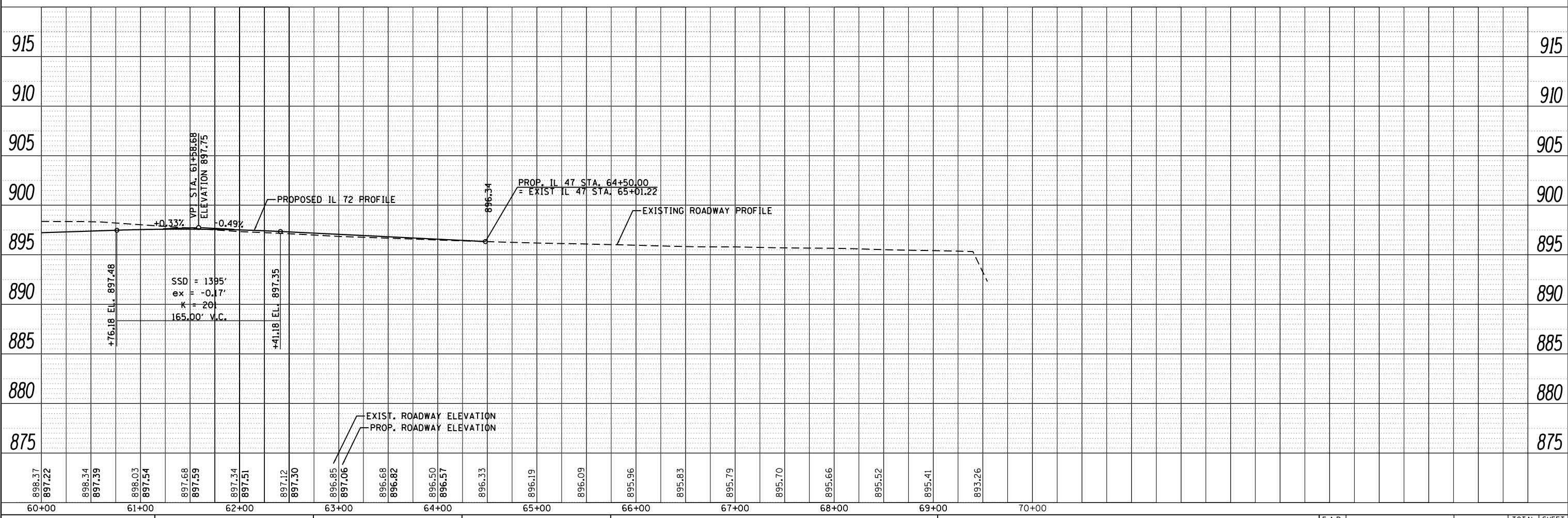
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		

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

PROP. CURVE P\_IL72-3  
 PI STA. = 68+68.76  
 Δ = 4° 55' 14" (RT)  
 D = 2° 13' 58"  
 R = 2,566.01'  
 T = 110.25'  
 L = 220.37'  
 E = 2.37'  
 P.C. STA. = 67+58.51  
 P.T. STA. = 69+78.88



- ① RECONSTRUCTION (IL 72)  
 PROP. HMA PAVEMENT (FULL-DEPTH), 10 3/4"  
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ② RECONSTRUCTION (BIG TIMBER RD.)  
 PROP. HMA PAVEMENT (FULL-DEPTH), 10"  
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ WIDENING (BIG TIMBER RD.)  
 PROP. HMA SURFACE COURSE, MIX "F", N90, 2"  
 PROP. HMA BASE COURSE WIDENING, 8"  
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ RESURFACING (BIG TIMBER RD.)  
 PROP. HMA SURFACE COURSE, MIX "F", N90, 2"
- ⑤ HMA DRIVEWAY  
 PROP. HMA SURFACE COURSE, MIX "D", N50, 2"  
 PROP. HMA BASE COURSE, 6"
- ⑥ HMA SHOULDERS (IL 72)  
 PROP. HMA PAVEMENT (FULL DEPTH), 10 3/4"  
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ HMA SHOULDERS (BIG TIMBER)  
 PROP. HMA PAVEMENT (FULL DEPTH), 10"  
 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"



**GR@F** 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

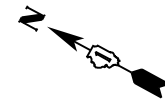
USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

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

**IL ROUTE 72 AT BIG TIMBER ROAD**  
**ROADWAY PLAN AND PROFILE**

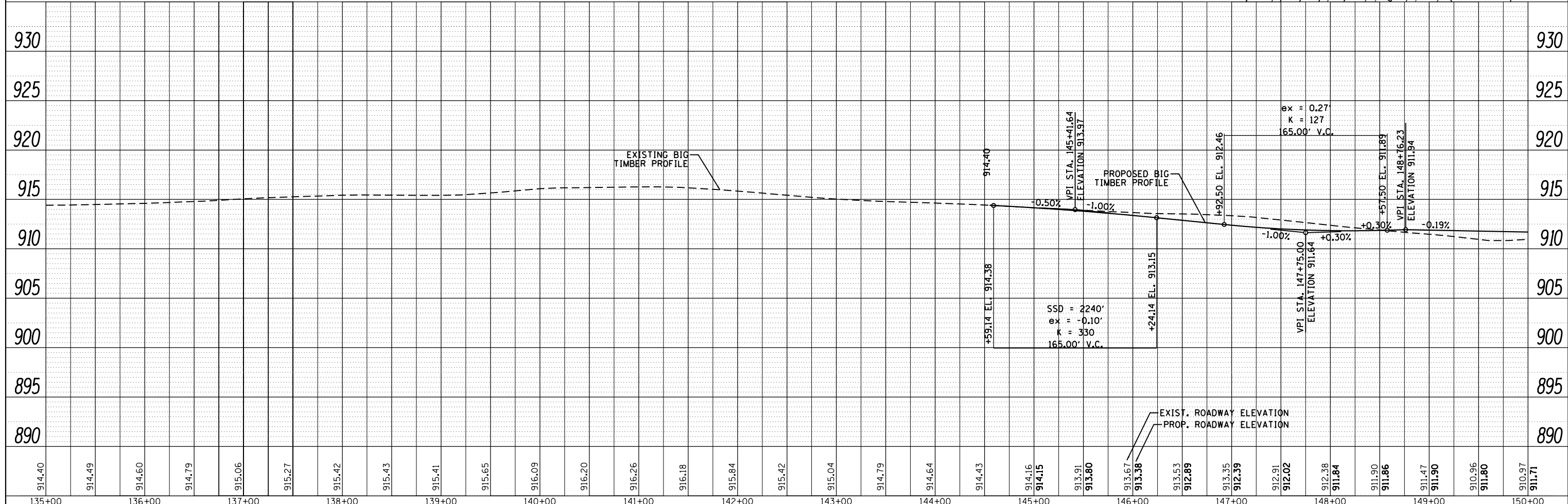
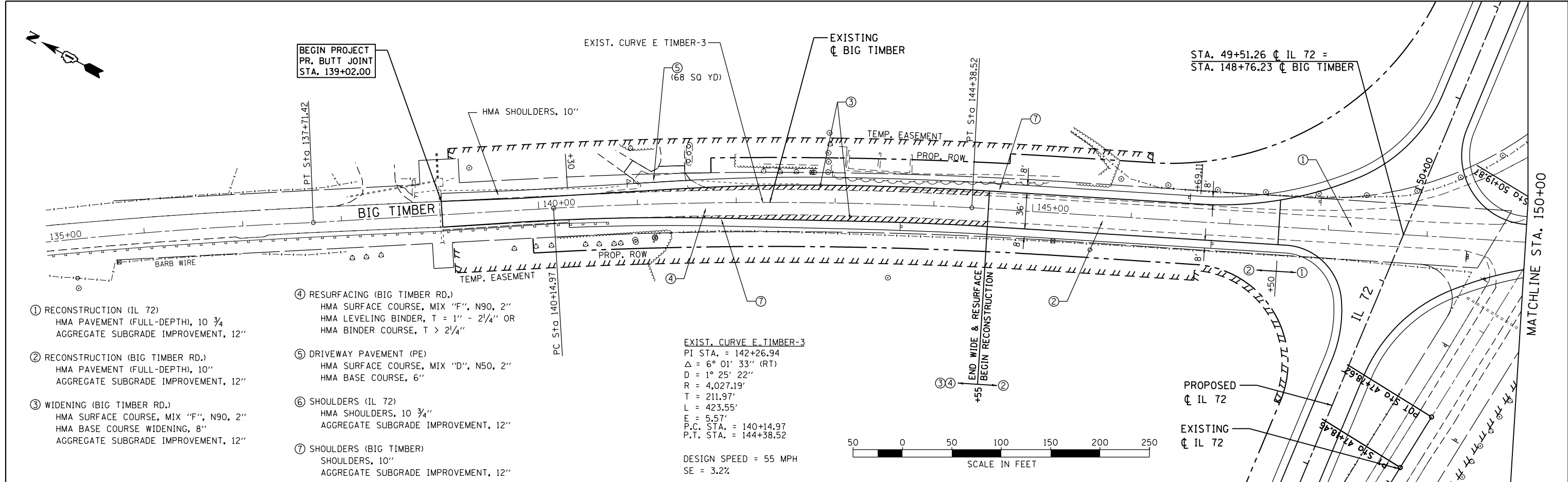
SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 60+00 TO STA. 70+00

F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 28
CONTRACT NO. 62407			ILLINOIS FED. AID PROJECT	



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

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

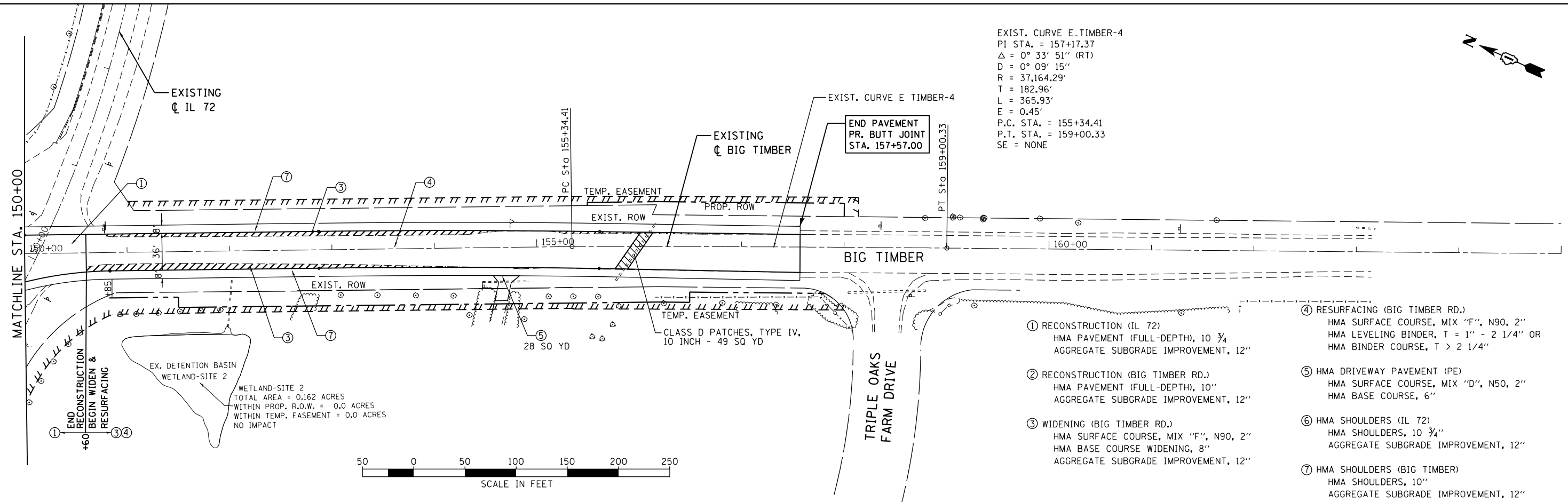


<b>GR@EF</b> 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>ROADWAY PLAN AND PROFILE</b>				F.A.P. RT. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 29
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 4	OF 5 SHEETS	STA. 135+00	TO STA. 150+00	CONTRACT NO. 62407			
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -		ILLINOIS FED. AID PROJECT								
	ILLINOIS FED. AID PROJECT												

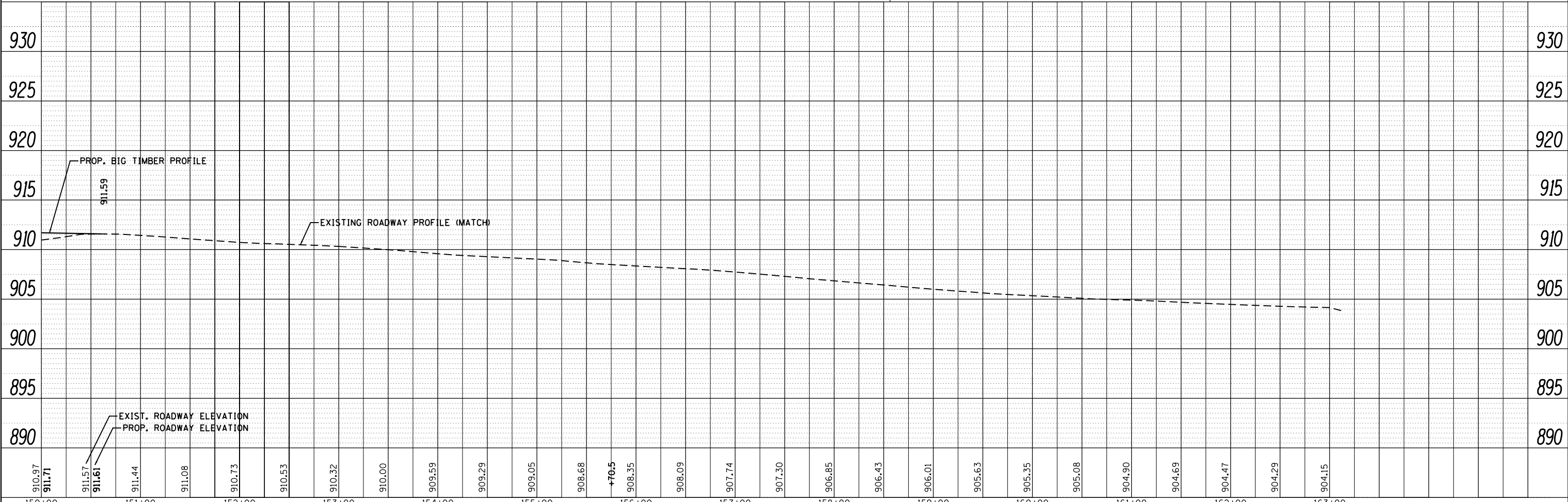
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

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

EXIST. CURVE E-TIMBER-4  
 PI STA. = 157+17.37  
 $\Delta = 0^\circ 33' 51''$  (RT)  
 $D = 0^\circ 09' 15''$   
 $R = 37,164.29'$   
 $T = 182.96'$   
 $L = 365.93'$   
 $E = 0.45'$   
 P.C. STA. = 155+34.41  
 P.T. STA. = 159+00.33  
 SE = NONE



- ① RECONSTRUCTION (IL 72)  
HMA PAVEMENT (FULL-DEPTH), 10 3/4"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ② RECONSTRUCTION (BIG TIMBER RD.)  
HMA PAVEMENT (FULL-DEPTH), 10"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ WIDENING (BIG TIMBER RD.)  
HMA SURFACE COURSE, MIX "F", N90, 2"  
HMA BASE COURSE WIDENING, 8"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ RESURFACING (BIG TIMBER RD.)  
HMA SURFACE COURSE, MIX "F", N90, 2"  
HMA LEVELING BINDER, T = 1" - 2 1/4" OR  
HMA BINDER COURSE, T > 2 1/4"
- ⑤ HMA DRIVEWAY PAVEMENT (PE)  
HMA SURFACE COURSE, MIX "D", N50, 2"  
HMA BASE COURSE, 6"
- ⑥ HMA SHOULDERS (IL 72)  
HMA SHOULDERS, 10 3/4"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ HMA SHOULDERS (BIG TIMBER)  
HMA SHOULDERS, 10"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"



**SUGGESTED CONSTRUCTION STAGING AND EROSION & SEDIMENT CONTROL SEQUENCING NOTES**

**PRE-STAGE CONSTRUCTION**

WORK UNDER THIS STAGE WILL CONSIST OF THE CONSTRUCTION OF TEMPORARY PAVEMENT RUNAROUNDS FOR IL 72 AND TEMPORARY PAVEMENT ON THE WEST SIDE OF BIG TIMBER ROAD. CONSTRUCT CULVERT CROSSING ON BIG TIMBER ROAD AT STATION 156+00. THE EXISTING BOX CULVERT AT STATION 47+00 WILL BE FILLED AND THE CULVERT APPROACHES FILLED, ELIMINATING THE DEPRESSION.

INSTALL EROSION AND SEDIMENT CONTROL DEVICES ON THE SOUTH SIDE OF IL 72 AND ON THE WEST SIDE OF BIG TIMBER ROAD

REMOVE EXISTING FLASHING BEACON INSTALL TEMPORARY FLASHING BEACON TO BE USED UNTIL PERMANENT TRAFFIC SIGNALS ARE INSTALLED AND OPERATING.

THE WORK WILL BE PERFORMED IN ACCORDANCE WITH HIGHWAY STANDARD 701326, AS APPLICABLE.

PROVIDE TEMPORARY SEEDING, AND MULCH OR TEMPORARY EROSION CONTROL BLANKET ON AREAS AFFECTED BY THESE IMPROVEMENTS.

**STAGE 1 CONSTRUCTION**

WORK UNDER THIS STAGE WILL CONSIST OF THE RECONSTRUCTION OF IL 72 THE EAST SIDE OF BIG TIMBER ROAD AND THE EAST HALF OF THE NEW IL 72/BIG TIMBER INTERSECTION. COMPLETE HMA PAVEMENTS AND SHOULDERS THROUGH THE BINDER COURSE.

INSTALL EROSION AND SEDIMENT CONTROL DEVICES ON THE NORTH SIDE OF IL 72 AND ON THE EAST SIDE OF BIG TIMBER ROAD.

MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES ON THE SOUTH SIDE OF IL 72 AND ON THE WEST SIDE OF BIG TIMBER ROAD

SHIFT TRAFFIC TO WEST SIDE OF BIG TIMBER ROAD AND ONTO TEMPORARY RUNAROUND PAVEMENT ON IL 72 CONSTRUCTED IN THE PRE-STAGE. INSTALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS IN ACCORDANCE WITH STAGE 1 PLANS.

PLACE TEMPORARY SEEDING IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLACE PERMANENT LANDSCAPING IMPROVEMENTS IN THE NORTHEAST QUADRANT OF THE IMPROVEMENT.

REMOVE EROSION AND SEDIMENT CONTROL DEVICES IN THE NORTHEAST QUADRANT OF THE IMPROVEMENT AFTER THE AREA IS STABILIZED.

**STAGE 2 CONSTRUCTION**

WORK UNDER THIS STAGE WILL CONTINUE RECONSTRUCTION OF IL 72 AND CONSTRUCT IMPROVEMENTS ON THE WEST SIDE OF BIG TIMBER ROAD AND THE WEST HALF OF THE NEW IL 72/BIG TIMBER INTERSECTION. COMPLETE HMA PAVEMENTS THROUGH THE BINDER COURSE.

MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES ON THE SOUTH SIDE OF IL 72 AND ON THE EAST SIDE OF BIG TIMBER ROAD.

SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED EAST SIDE OF BIG TIMBER ROAD. TRAFFIC ON IL 72 WILL REMAIN AS IN STAGE 1. PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STAGE 2 PLANS.

PLACE TEMPORARY SEEDING IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLACE PERMANENT LANDSCAPING IMPROVEMENTS IN THE NORTHWEST QUADRANT OF THE IMPROVEMENT.

REMOVE EROSION AND SEDIMENT CONTROL DEVICES IN THE NORTHWEST QUADRANT OF THE IMPROVEMENT AFTER THE AREA IS STABILIZED.

**STAGE 3 CONSTRUCTION**

THE WORK WILL CONSIST OF THE REMOVAL OF THE OLD PAVEMENT AND GRADING OF IL 72 WEST OF THE BIG TIMBER ROAD INTERSECTION AND COMPLETION OF THE PAVEMENT THROUGH THE BINDER COURSE ON THE WEST SIDE OF BIG TIMBER ROAD THROUGH THE OLD IL 72/BIG TIMBER ROAD INTERSECTION.

RESTORE TEMPORARY EASEMENT AREA TO PRE-CONSTRUCTION CONDITIONS.

SHIFT TRAFFIC ONTO THE NEW IL 72 ROADWAY PAVEMENT. TRAFFIC WILL REMAIN ON THE EAST SIDE OF BIG TIMBER ROAD IN ACCORDANCE WITH STAGE 3 PLANS.

PLACE TEMPORARY SEEDING IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLACE PERMANENT LANDSCAPING IMPROVEMENTS IN THE SOUTHWEST QUADRANT OF THE IMPROVEMENT.

REMOVE EROSION AND SEDIMENT CONTROL DEVICES IN THE SOUTHWEST QUADRANT OF THE IMPROVEMENT AFTER THE AREA IS STABILIZED.

**STAGE 4 CONSTRUCTION**

CONSTRUCT PAVEMENT THROUGH THE HMA BINDER COURSE ON THE EAST SIDE OF BIG TIMBER ROAD THROUGH THE OLD IL 72/BIG TIMBER ROAD INTERSECTION. REMOVE PAVEMENT AND GRADE ON IL 72 EAST OF THE INTERSECTION.

UPON COMPLETION OF BIG TIMBER ROAD RECONSTRUCTION, PLACE HMA SURFACE COURSE AND FINAL PAVEMENT MARKINGS ON ALL ROADWAYS.

RESTORE TEMPORARY EASEMENT AREA TO PRE-CONSTRUCTION CONDITIONS.

TRAFFIC WILL REMAIN ON THE NEW IL 72 ROADWAY PAVEMENT. SHIFT TRAFFIC ON BIG TIMBER ROAD TO THE WEST SIDE IN ACCORDANCE WITH STAGE 4 PLANS.

PLACE TEMPORARY SEEDING IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLACE PERMANENT LANDSCAPING IMPROVEMENTS IN THE SOUTHEAST QUADRANT OF THE IMPROVEMENT.

REMOVE EROSION AND SEDIMENT CONTROL DEVICES IN THE SOUTHEAST QUADRANT OF THE IMPROVEMENT AFTER THE AREA IS STABILIZED.

**EROSION & SEDIMENT CONTROL NOTES**

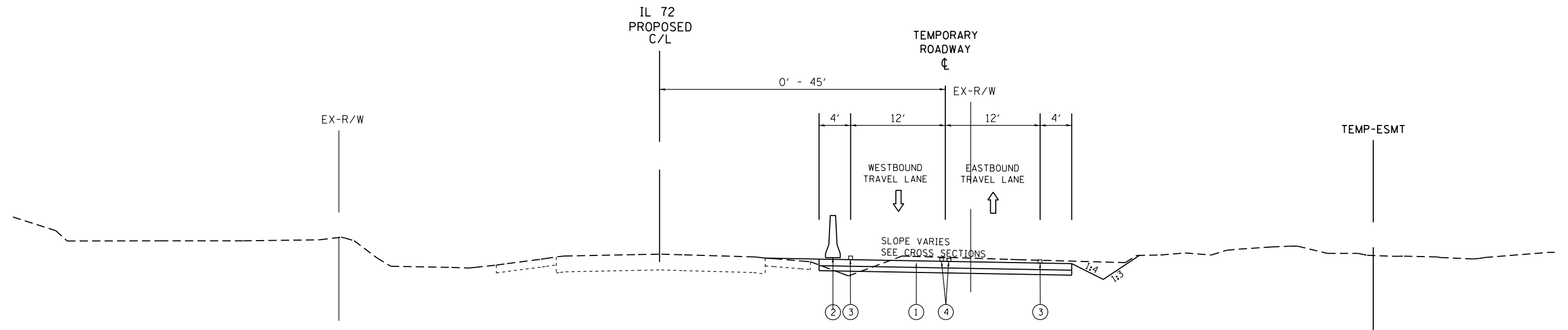
THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTORS RESPONSIBILITY TO SECURE THE PROPER PERMITS.

IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. 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.

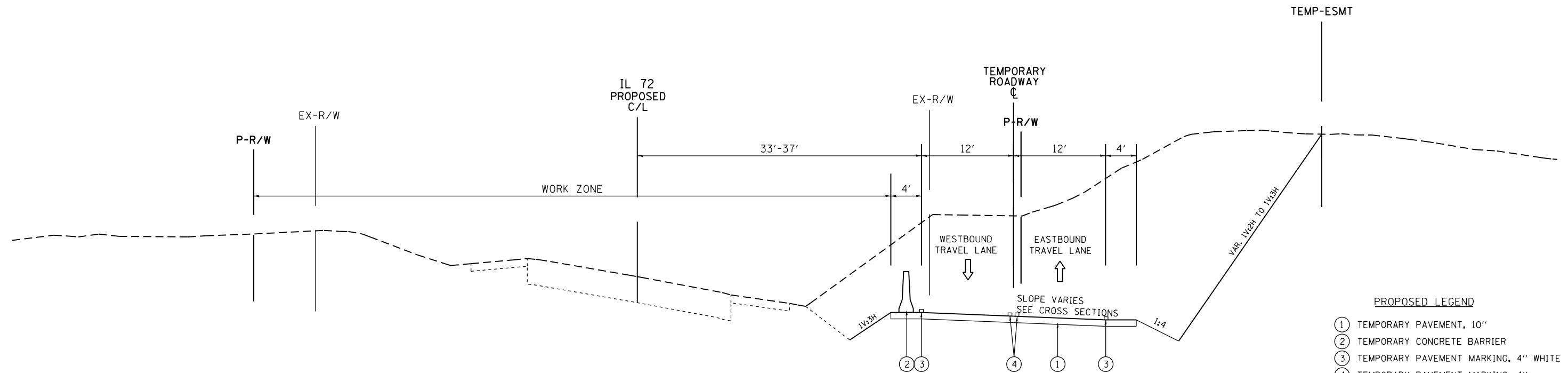
**SUGGESTED STAGING AND TRAFFIC CONTROL - GENERAL NOTES**

1. ALL TRAFFIC CONTROL DEVICES USED FOR STAGING AND TRAFFIC CONTROL AND DETAILED ON THE PLANS, SHALL BE REFLECTORIZED PRIOR TO THE INSTALLATION AND CLEANED AS NECESSARY THROUGH THE DURATION OF THE CONTRACT.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS WITH THE CONSTRUCTION, STAGING, AND MAINTENANCE OPERATIONS OF OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT.
3. THE CONTRACTOR SHALL REMOVE ALL PERMANENT AND TEMPORARY PAVEMENT MARKING WHICH CONFLICTS WITH THE NEXT STAGE OR ULTIMATE PAVEMENT MARKING.
4. SEE STAGING PLANS AND GENERAL NOTES FOR APPLICABLE NOTES REGARDING DISTRICT AND HIGHWAY STANDARDS THAT SHALL BE FOLLOWED.
5. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
  - a. UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD, THE CONTRACTOR SHALL FURNISH ALL STANDARD SIGNS.
  - b. ALL SIGNS SHALL BE BOLTED TO SIGN SUPPORTS, UNLESS OTHERWISE NOTED.
  - c. FOR NUMBER AND LOCATION OF SIGNS SEE SUGGESTED STAGING AND TRAFFIC CONTROL PLANS.
6. ALL DRUMS AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH STEADY-BURN BI-DIRECTIONAL LIGHTS.
7. MONO-DIRECTIONAL FLASHING LIGHTS SHALL BE PROVIDED ON THE FIRST TWO (2) WARNING SIGNS ON EACH APPROACH TO THE WORK ZONES
8. THE CONTRACTOR SHALL COVER, RELOCATE, OR REMOVE ALL CONFLICTING EXISTING SIGNS.
9. IN LOCATIONS WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH THE REQUIRED TEMPORARY PAVEMENT MARKINGS, THE REFLECTORS IN THE EXISTING RAISED PAVEMENT LANE MARKERS SHALL BE REMOVED.
10. CONSTRUCTION SIGN PLACEMENT MAY BE ADJUSTED SLIGHTLY TO FIELD CONDITIONS.
11. TEMPORARY PAVEMENT REMOVAL SHALL BE PAID AS PAVEMENT REMOVAL.
12. FOUR CHANGEABLE MESSAGE SIGNS, ONE ON EACH APPROACH, WILL BE REQUIRED FROM AT LEAST ONE WEEK PRIOR TO THE TRAFFIC SIGNAL TURN-ON TO ONE WEEK AFTER THE TRAFFIC SIGNALS HAVE BEEN TURNED ON AT THE IL 72/BIG TIMBER ROAD INTERSECTION. THE WORK WILL BE PAID AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".

 8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUGGESTED STAGING AND EROSION CONTROL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			341	109N-3	KANE	209	31
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 62407				
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -			SCALE:	SHEET	OF	SHEETS	STA. 30+00



SUGGESTED PRE-STAGE AND STAGES 1 AND 2 CONSTRUCTION  
 STA 31+50 TO STA 39+50  
 STA 57+00 TO STA 67+00



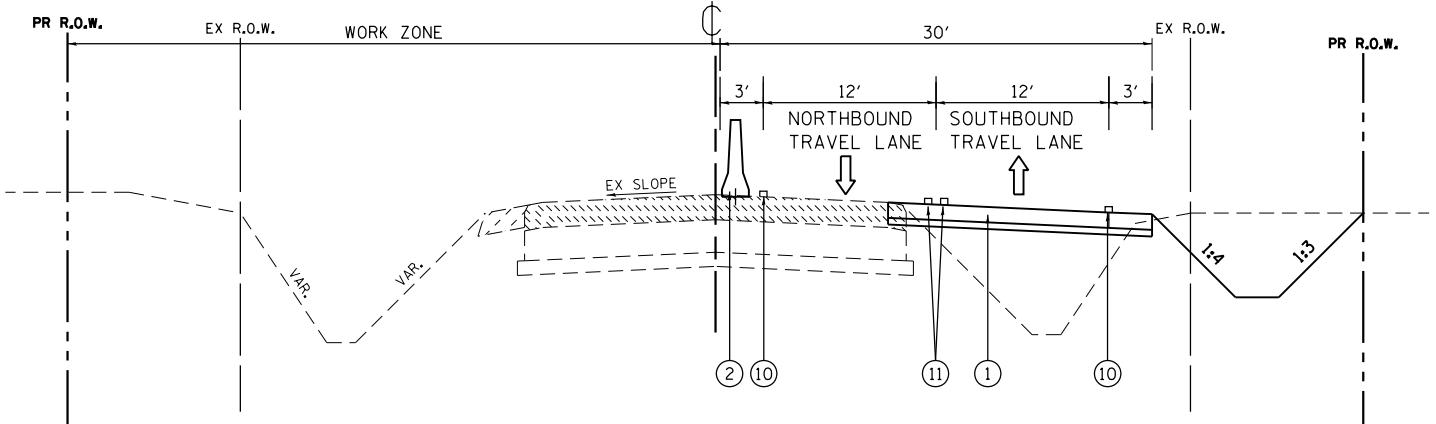
SUGGESTED PRE-STAGE AND STAGES 1 AND 2 CONSTRUCTION  
 STA 39+50 TO STA 43+50

- PROPOSED LEGEND**
- ① TEMPORARY PAVEMENT, 10"
  - ② TEMPORARY CONCRETE BARRIER
  - ③ TEMPORARY PAVEMENT MARKING, 4" WHITE
  - ④ TEMPORARY PAVEMENT MARKING, 4" YELLOW 2@11" CENTER TO CENTER

USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

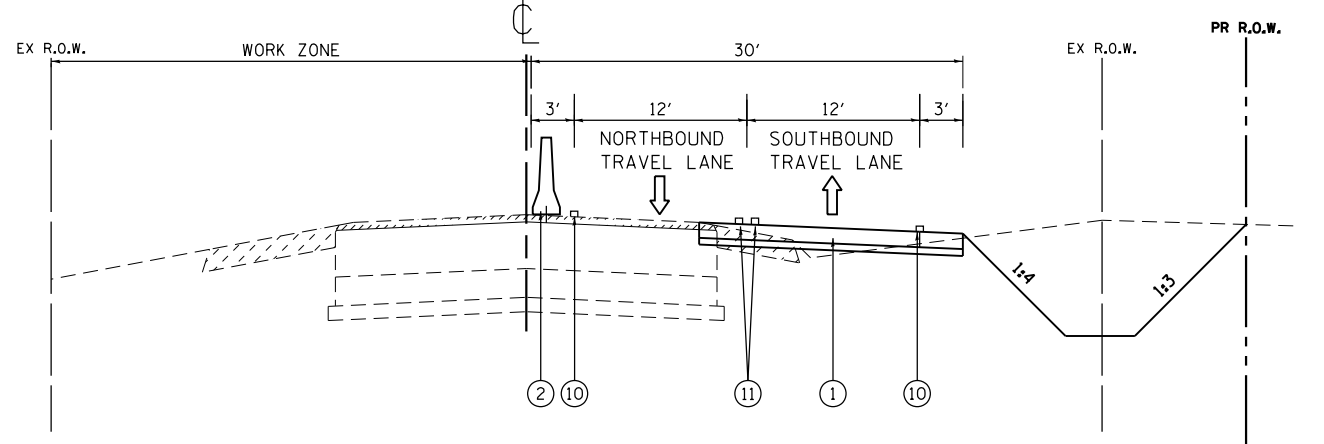


BIG TIMBER ROAD



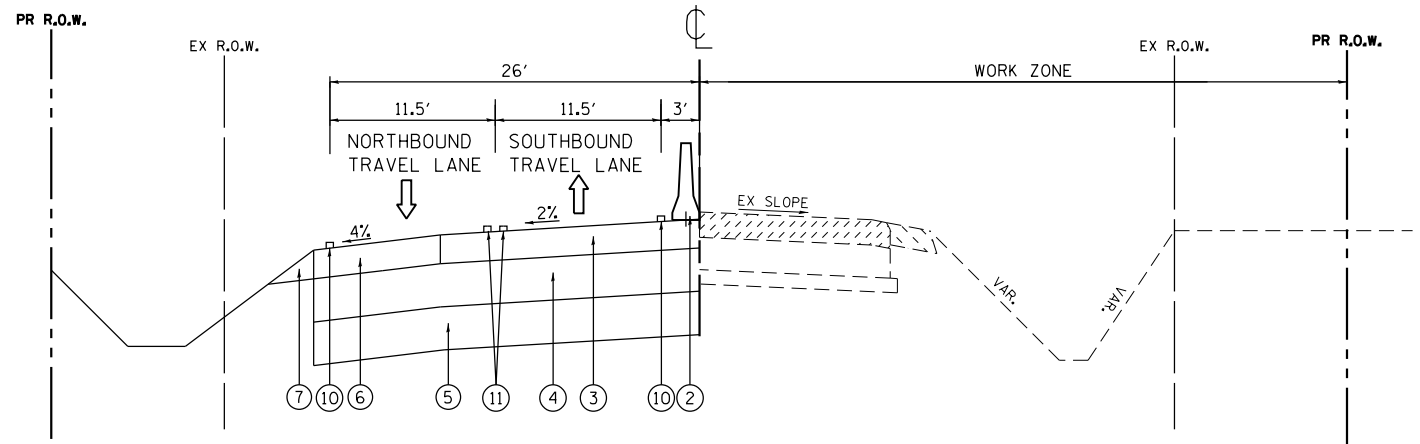
STAGE 1 MOT TYPICAL SECTION  
STA 144+55.00 TO STA 150+60.00

BIG TIMBER ROAD



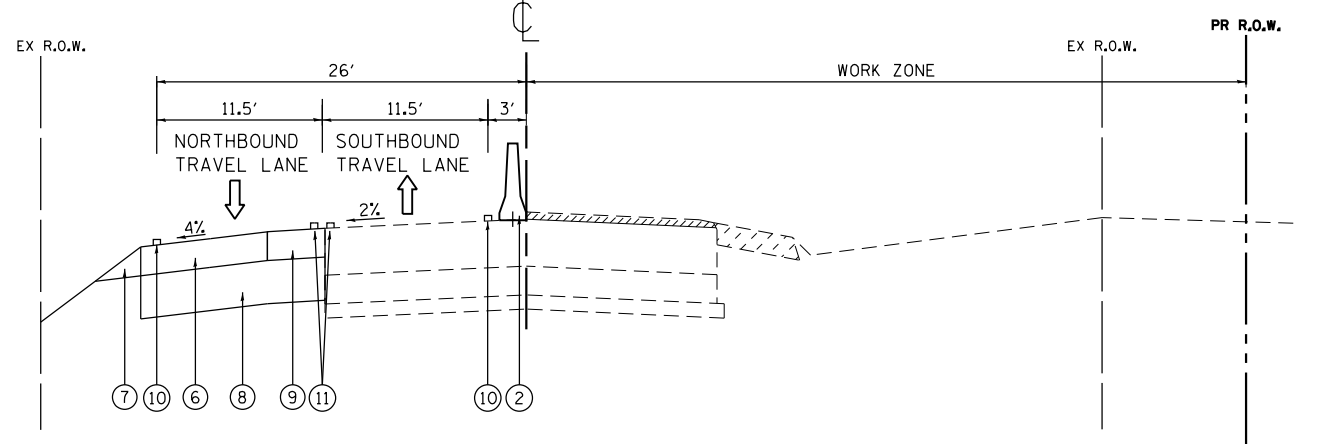
STAGE 1 MOT TYPICAL SECTION  
STA 150+60.00 TO STA 152+11.00

BIG TIMBER ROAD



STAGE 2 MOT TYPICAL SECTION  
STA 144+55.00 TO STA 150+60.00

BIG TIMBER ROAD



STAGE 2 MOT TYPICAL SECTION  
STA 150+60.00 TO STA 152+01.00

PROPOSED LEGEND

- ① TEMPORARY PAVEMENT, 10" & GRANULAR SUBBASE, 4"
- ② TEMPORARY PINNED CONCRETE BARRIER
- ③ HMA PAVEMENT (FULL DEPTH) CONSISTING OF:  
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90  
HMA BINDER COURSE, IL-19.0, N90
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT, VARIABLE
- ⑥ 10" HMA SHOULDER
- ⑦ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ⑨ HMA BASE COURSE WIDENING, 8"
- ⑩ TEMPORARY PAVEMENT MARKING, 4" WHITE
- ⑪ TEMPORARY PAVEMENT MARKING, 4" YELLOW  
2@11" CENTER TO CENTER

NOTE:  
CONSTRUCT POLYMERIZED HOT-MIX ASPHALT  
SURFACE COURSE, MIX "F", N90, 2"  
FOLLOWING STAGE 4 CONSTRUCTION.



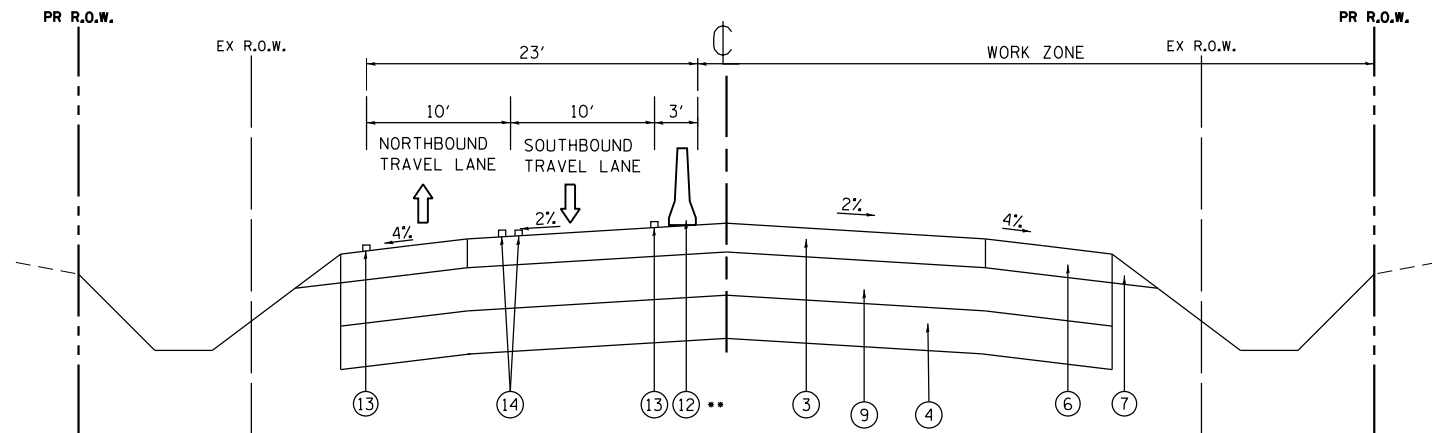
USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 AT BIG TIMBER ROAD  
TYPICAL SECTION - BIG TIMBER STAGES 1 & 2 MOT  
SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	33
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

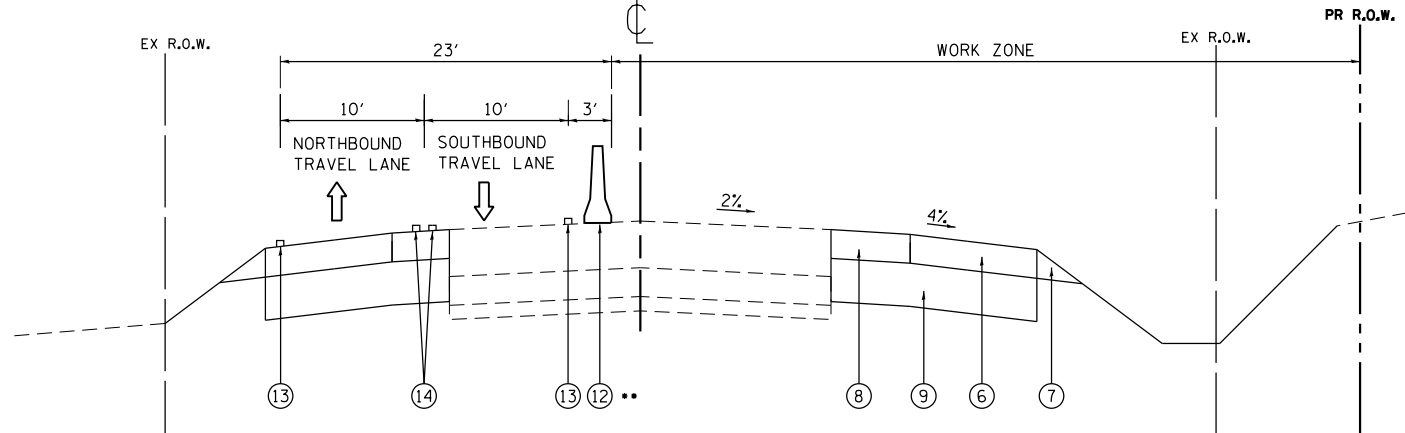
BIG TIMBER ROAD



STAGE 3 MOT TYPICAL SECTION  
STA 139+02.00 TO STA 150+60.00

•• TEMPORARY CONCRETE BARRIER IL 72 TO STA.151+78.  
CONSTRUCTION DRUMS STA. 139+02 TO IL 72.

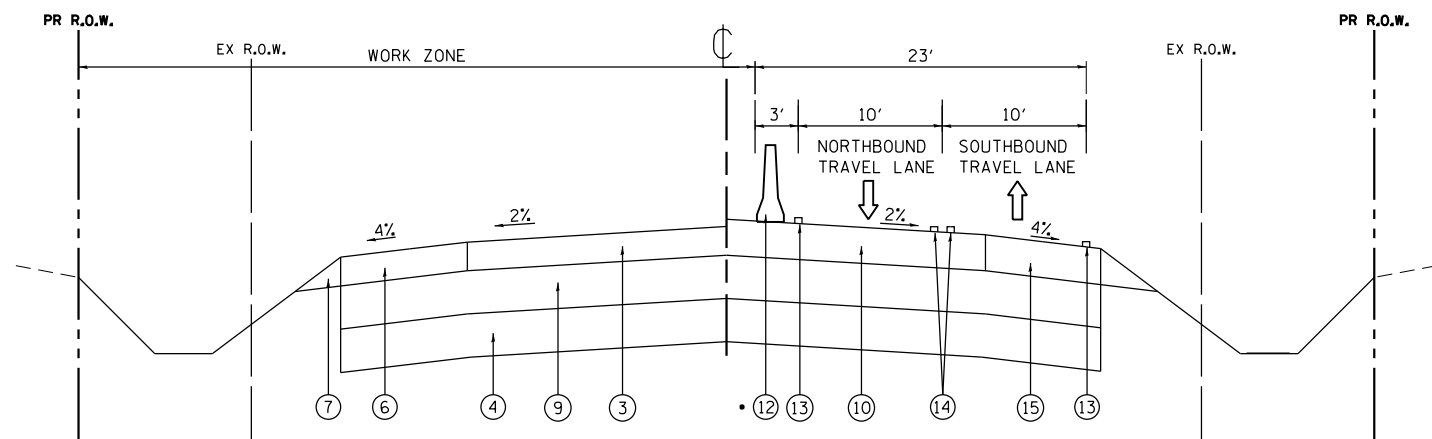
BIG TIMBER ROAD



STAGE 3 MOT TYPICAL SECTION  
STA 150+60.00 TO STA 152+87.00

•• TEMPORARY CONCRETE BARRIER RELOCATED IL 72 TO STA.151+78.  
CONSTRUCTION DRUMS STA. 139+02 TO IL 72.

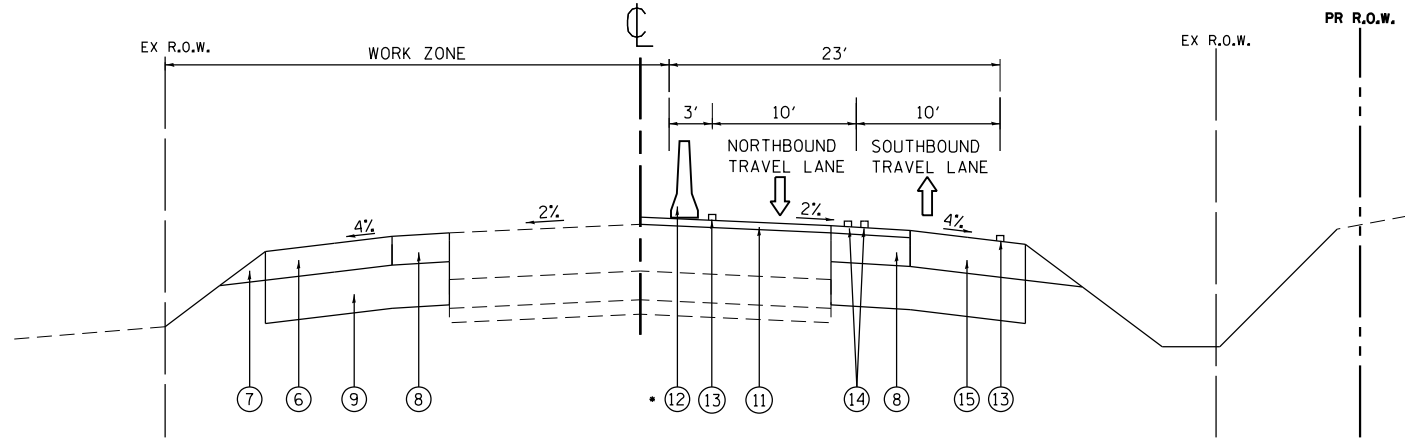
BIG TIMBER ROAD



STAGE 4 MOT TYPICAL SECTION  
STA 139+02.00 TO STA 150+60.00

• TEMPORARY CONCRETE BARRIER: IL 72 TO STA.151+31.  
CONSTRUCTION DRUMS: STA. 139+02 TO IL 72 AND STA. 151+31 TO STA. 155+61.

BIG TIMBER ROAD



STAGE 4 MOT TYPICAL SECTION  
STA 150+60.00 TO STA 154+28.00

• TEMPORARY CONCRETE BARRIER: IL 72 TO STA. 151+31.  
CONSTRUCTION DRUMS: STA. 139+02 TO IL 72 AND STA. 151+31 TO STA. 155+61.

PROPOSED LEGEND

- ① TEMPORARY PAVEMENT, 10"
- ② TEMPORARY PINNED CONCRETE BARRIER
- ③ HMA PAVEMENT (FULL DEPTH) CONSISTING OF:  
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90  
HMA BINDER COURSE, IL-19.0, N90
- ④ 12" AGGREGATE SUBGRADE IMPROVEMENT (CY)
- ⑥ HMA SHOULDER, 10"
- ⑦ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑧ HMA BASE COURSE WIDENING, 8"

- ⑨ AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)
- ⑩ HMA PAVEMENT (FULL DEPTH) CONSISTING OF:  
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90  
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90  
HMA BINDER COURSE, IL-19.0, N90
- ⑪ POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- ⑫ TEMPORARY CONCRETE BARRIER
- ⑬ TEMPORARY PAVEMENT MARKING, 4" WHITE
- ⑭ TEMPORARY PAVEMENT MARKING, 4" YELLOW  
2@11' CENTER TO CENTER
- ⑮ HMA SHOULDER, 10"

NOTE:

CONSTRUCT POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" FOLLOWING STAGE 4 CONSTRUCTION.



USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 AT BIG TIMBER ROAD			
TYPICAL SECTION - BIG TIMBER STAGES 3 & 4 MOT			
SCALE:	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	34
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

**CURVE 1A**  
 P.I. STA= 32+86.32, 0.00' RT  
 $\Delta$ = 13°58'36"  
 D= 760.00  
 T= 93.16  
 L= 185.39  
 E= 5.69  
 T.R.=  
 S.E. RUN=  
 P.C. STA= 31.34.41, 0.00' RT  
 P.T. STA= 33+17.96, 22.50' RT

**CURVE 1B**  
 P.I. STA= 34+08.36, 45.00' RT  
 $\Delta$ = 13°58'33"  
 D= 760.00  
 T= 93.15'  
 L= 185.38'  
 E= 5.69  
 T.R.=  
 S.E. RUN=  
 P.R.C. STA= 33+17.96, 22.50' RT  
 P.T. STA= 35+01.52, 45.00' RT

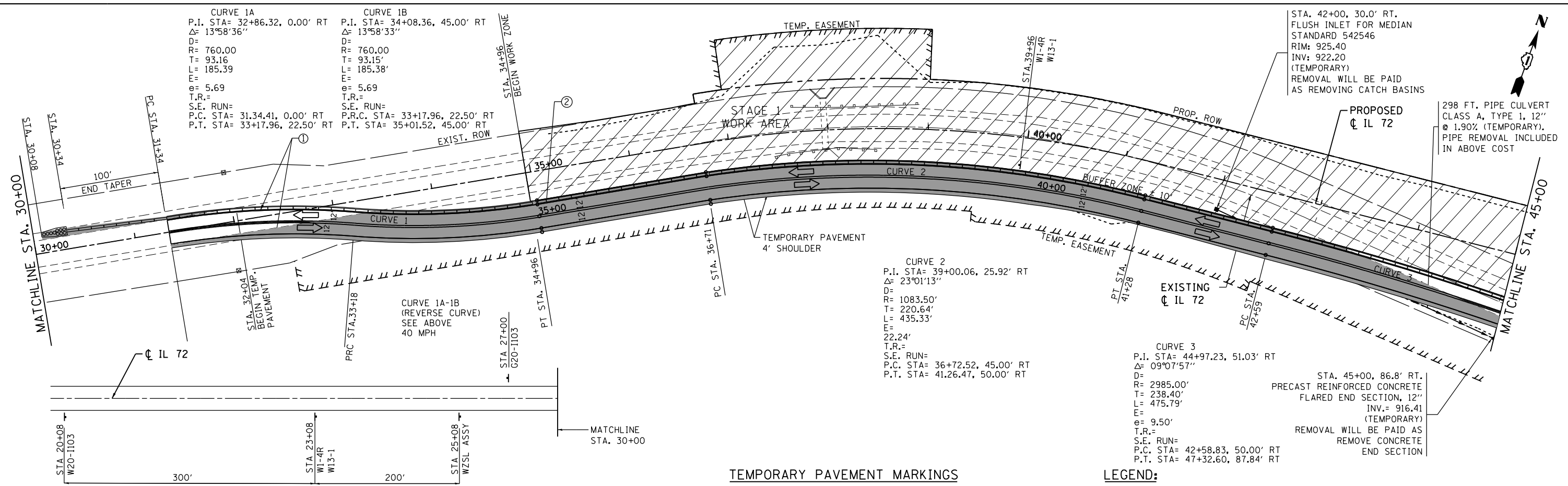
**CURVE 2**  
 P.I. STA= 39+00.06, 25.92' RT  
 $\Delta$ = 23°01'13"  
 D= 1083.50'  
 T= 220.64'  
 L= 435.33'  
 E= 22.24'  
 T.R.=  
 S.E. RUN=  
 P.C. STA= 36+72.52, 45.00' RT  
 P.T. STA= 41.26.47, 50.00' RT

**CURVE 3**  
 P.I. STA= 44+97.23, 51.03' RT  
 $\Delta$ = 09°07'57"  
 D= 2985.00'  
 T= 238.40'  
 L= 475.79'  
 E= 9.50'  
 T.R.=  
 S.E. RUN=  
 P.C. STA= 42+58.83, 50.00' RT  
 P.T. STA= 47+32.60, 87.84' RT

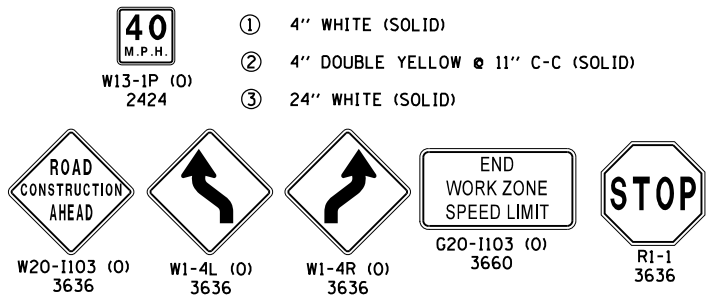
STA. 45+00, 86.8' RT.  
 PRECAST REINFORCED CONCRETE  
 FLARED END SECTION, 12"  
 INV.= 916.41  
 (TEMPORARY)  
 REMOVAL WILL BE PAID AS  
 REMOVE CONCRETE  
 END SECTION

STA. 42+00, 30.0' RT.  
 FLUSH INLET FOR MEDIAN  
 STANDARD 542546  
 RIM: 925.40  
 INV: 922.20  
 (TEMPORARY)  
 REMOVAL WILL BE PAID  
 AS REMOVING CATCH BASINS

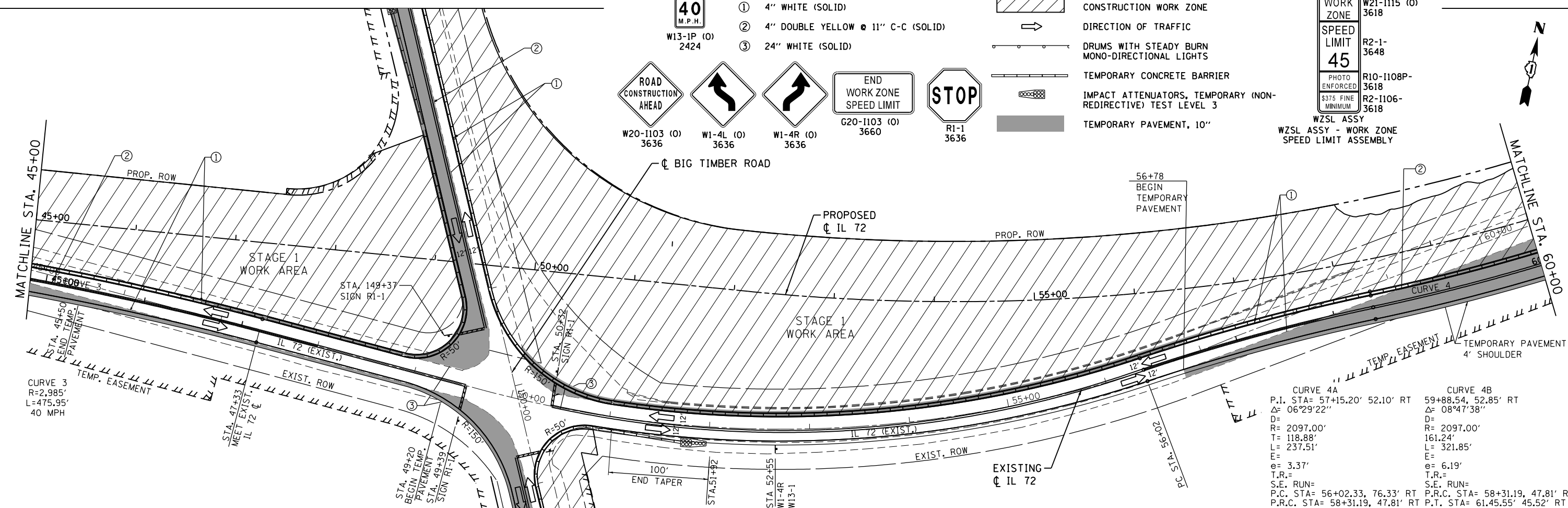
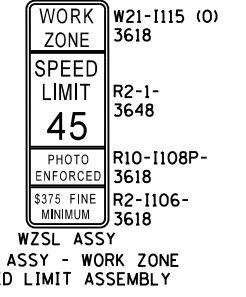
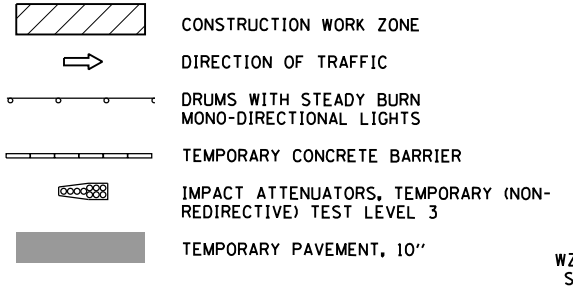
298 FT. PIPE CULVERT  
 CLASS A, TYPE 1, 12"  
 $\phi$  1.90% (TEMPORARY).  
 PIPE REMOVAL INCLUDED  
 IN ABOVE COST



**TEMPORARY PAVEMENT MARKINGS**



**LEGEND:**



USER NAME = 1485  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE - 3/16/2015

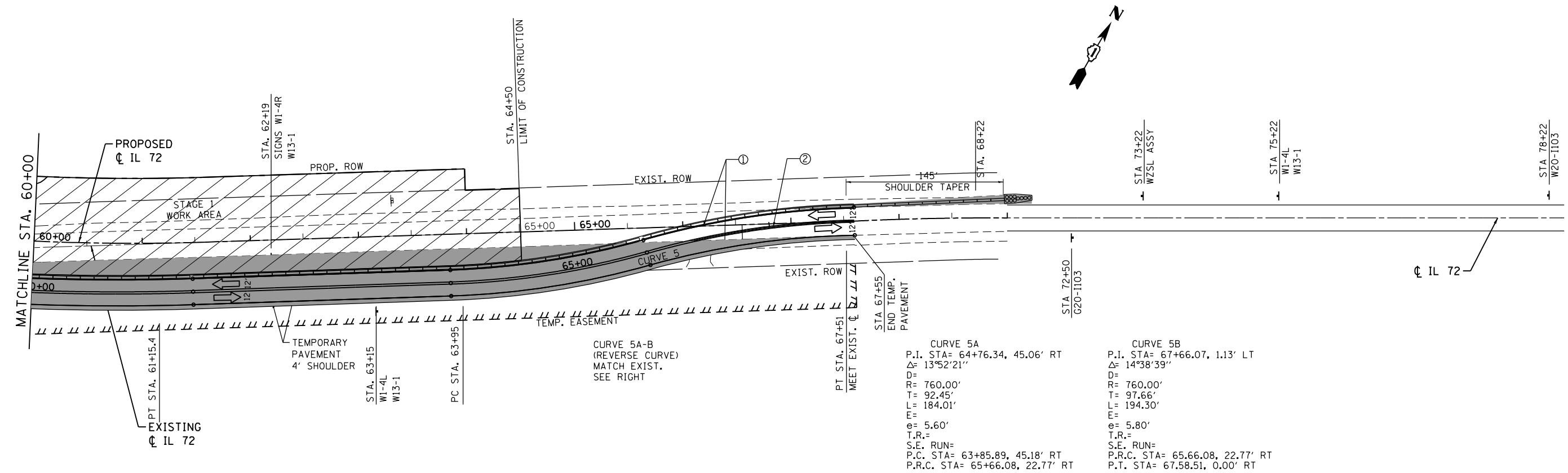
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

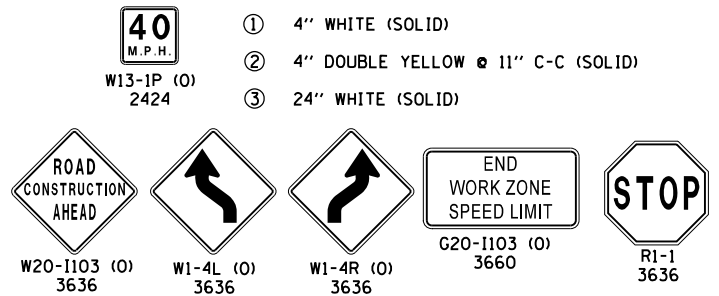
**IL ROUTE 72 AT BIG TIMBER ROAD  
 SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 1**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 30+00 TO STA. 60+00

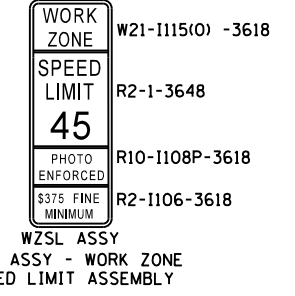
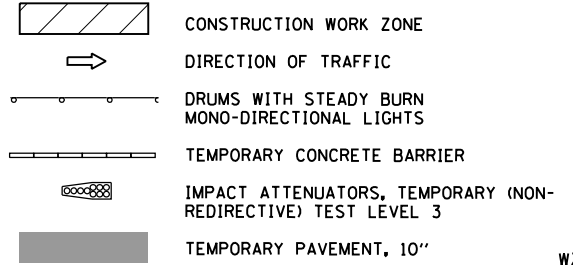
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	35
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**TEMPORARY PAVEMENT MARKINGS**

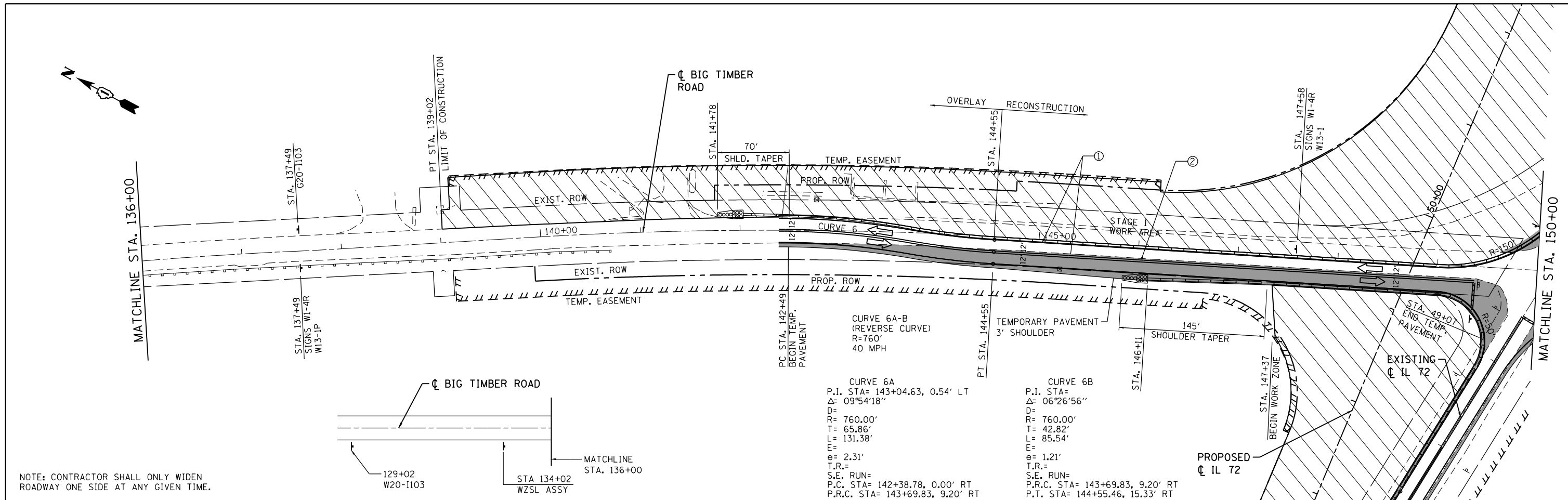


**LEGEND:**

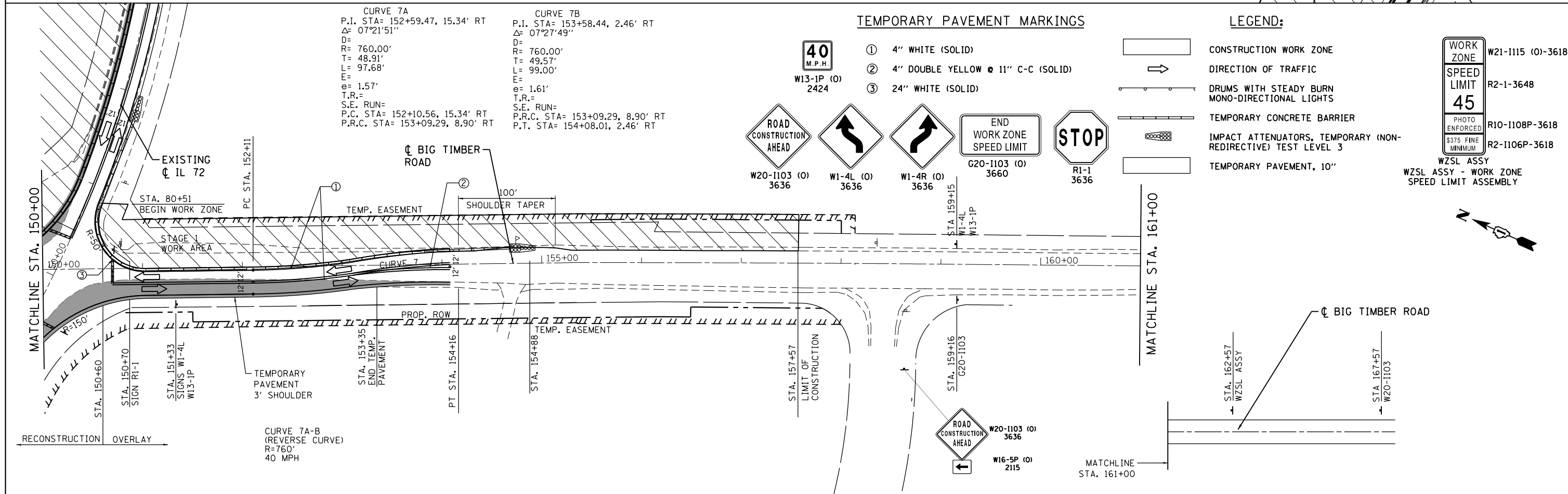


USER NAME = 1485	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	36
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL ONLY WIDEN ROADWAY ONE SIDE AT ANY GIVEN TIME.

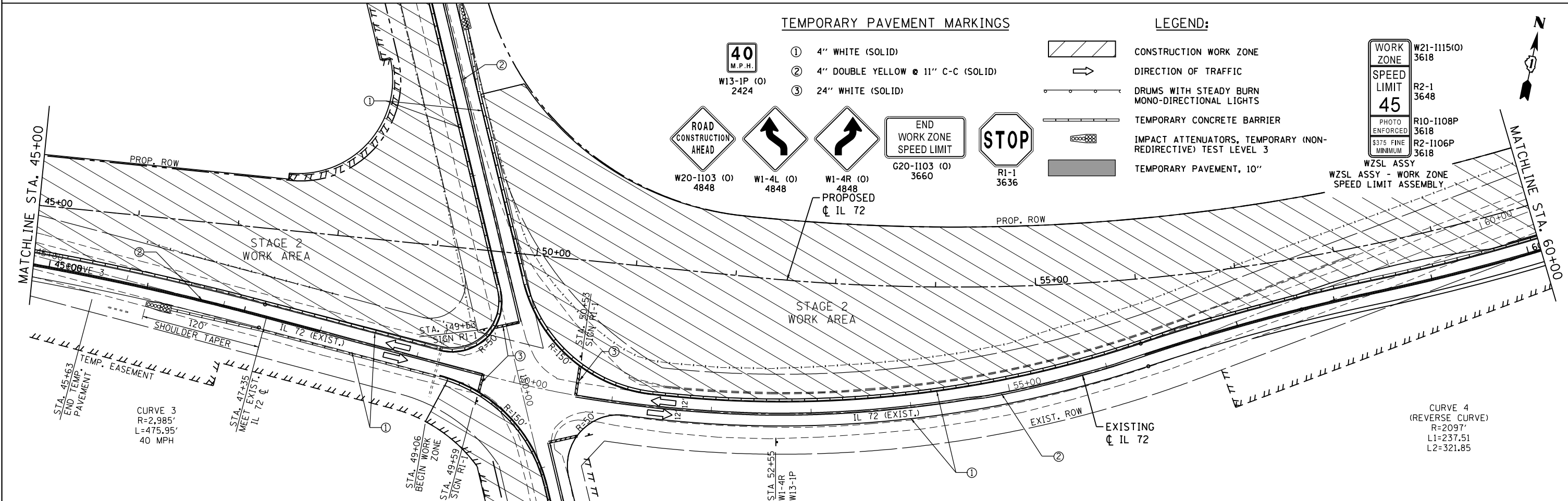
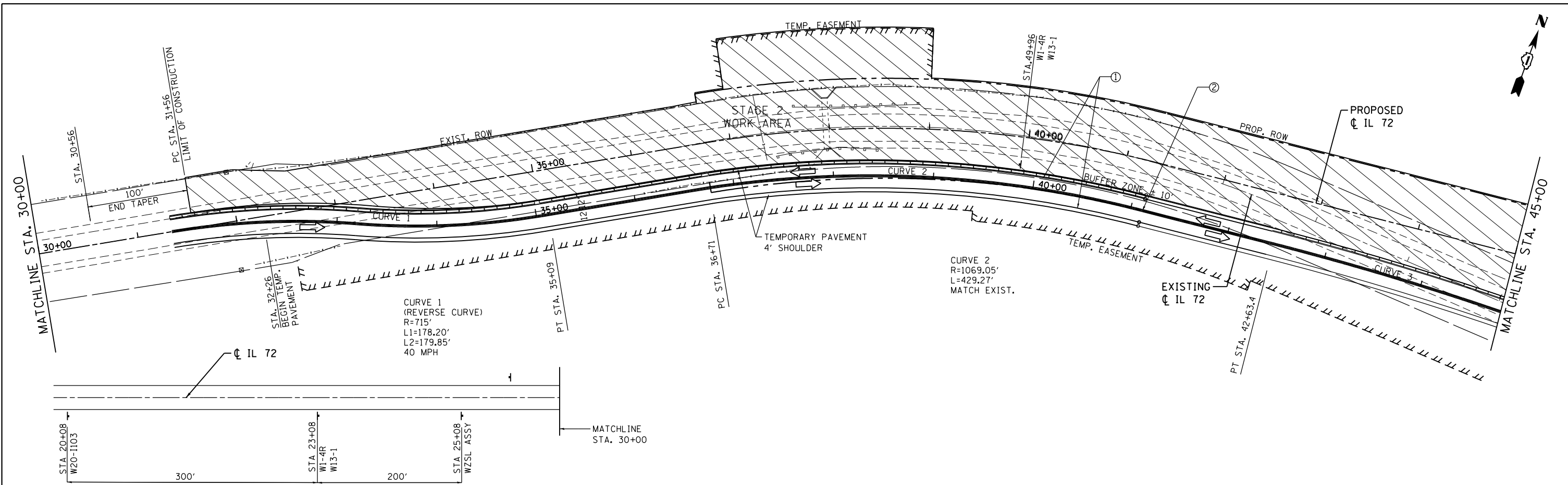


**TEMPORARY PAVEMENT MARKINGS**

- ① 4" WHITE (SOLID)
  - ② 4" DOUBLE YELLOW @ 11" C-C (SOLID)
  - ③ 24" WHITE (SOLID)
- W13-1P (O) 2424  
 W20-1103 (O) 3636  
 W1-4L (O) 3636  
 W1-4R (O) 3636  
 G20-1103 (O) 3660  
 R1-1 3636

**LEGEND:**

- CONSTRUCTION WORK ZONE
  - DIRECTION OF TRAFFIC
  - DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
  - TEMPORARY CONCRETE BARRIER
  - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
  - TEMPORARY PAVEMENT, 10"
- W21-1115 (O)-3618  
 R2-1-3648  
 R10-1108P-3618  
 R2-1106P-3618  
 WZSL ASSY  
 WZSL ASSY - WORK ZONE SPEED LIMIT ASSEMBLY



**TEMPORARY PAVEMENT MARKINGS**

- ① 4" WHITE (SOLID)
  - ② 4" DOUBLE YELLOW @ 11" C-C (SOLID)
  - ③ 24" WHITE (SOLID)
- W13-1P (O) 2424
  - ROAD CONSTRUCTION AHEAD W20-1103 (O) 4848
  - W1-4L (O) 4848
  - W1-4R (O) 4848
  - PROPOSED IL 72
  - END WORK ZONE SPEED LIMIT G20-1103 (O) 3660
  - STOP RI-1 3636

**LEGEND:**

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY PAVEMENT, 10"

**WORK ZONE** W21-1115(O) 3618

**SPEED LIMIT** R2-1 3648

**45** R10-1108P 3618

**PHOTO ENFORCED** R2-1106P 3618

**\$375 FINE MINIMUM**

**WZSL ASSY** WZSL ASSY - WORK ZONE SPEED LIMIT ASSEMBLY

**GR&E**  
8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

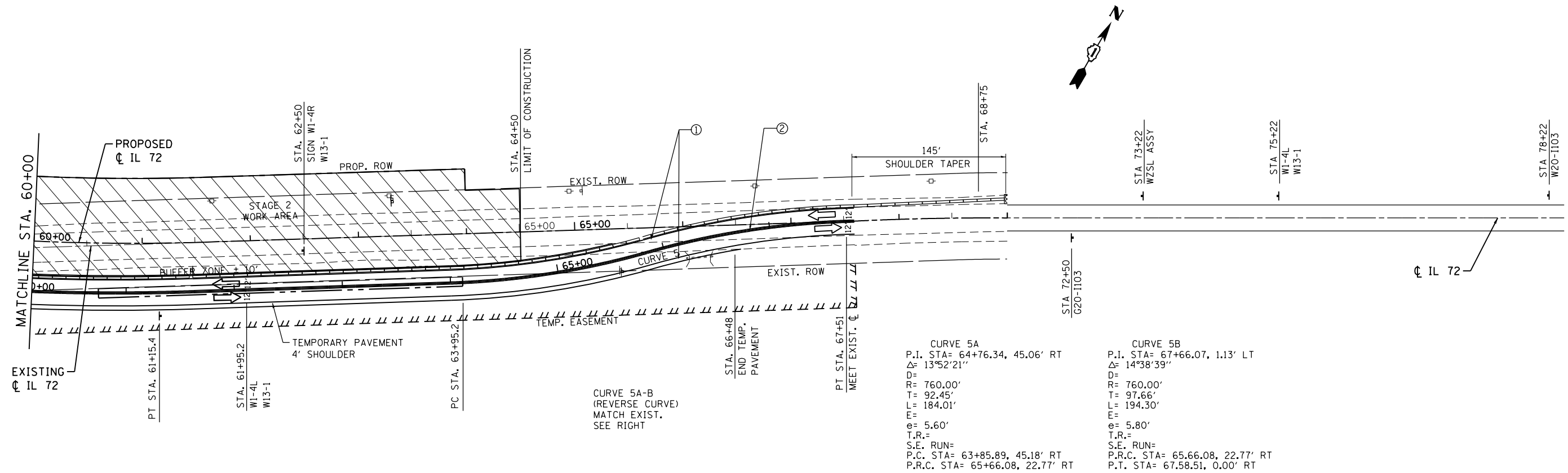
USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

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

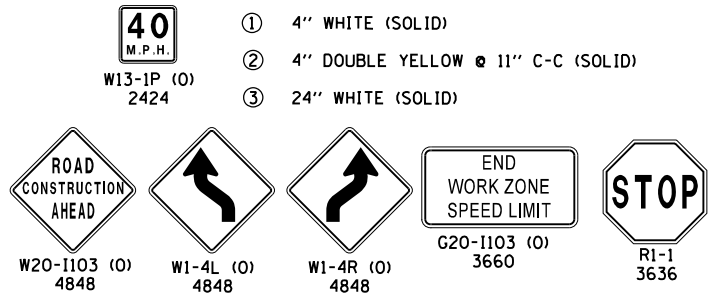
**IL ROUTE 72 AT BIG TIMBER ROAD**  
**SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 30+00 TO STA. 60+00

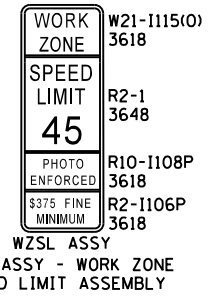
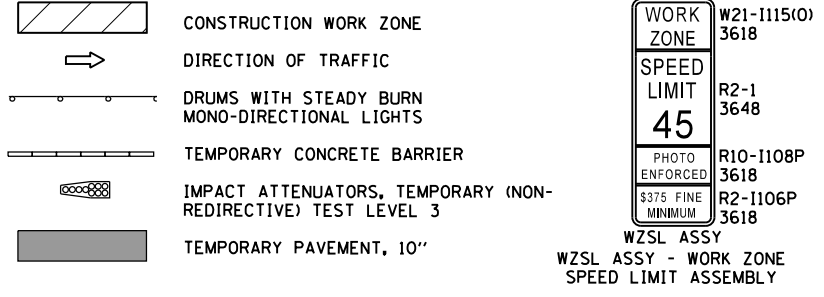
F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 38
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**TEMPORARY PAVEMENT MARKINGS**

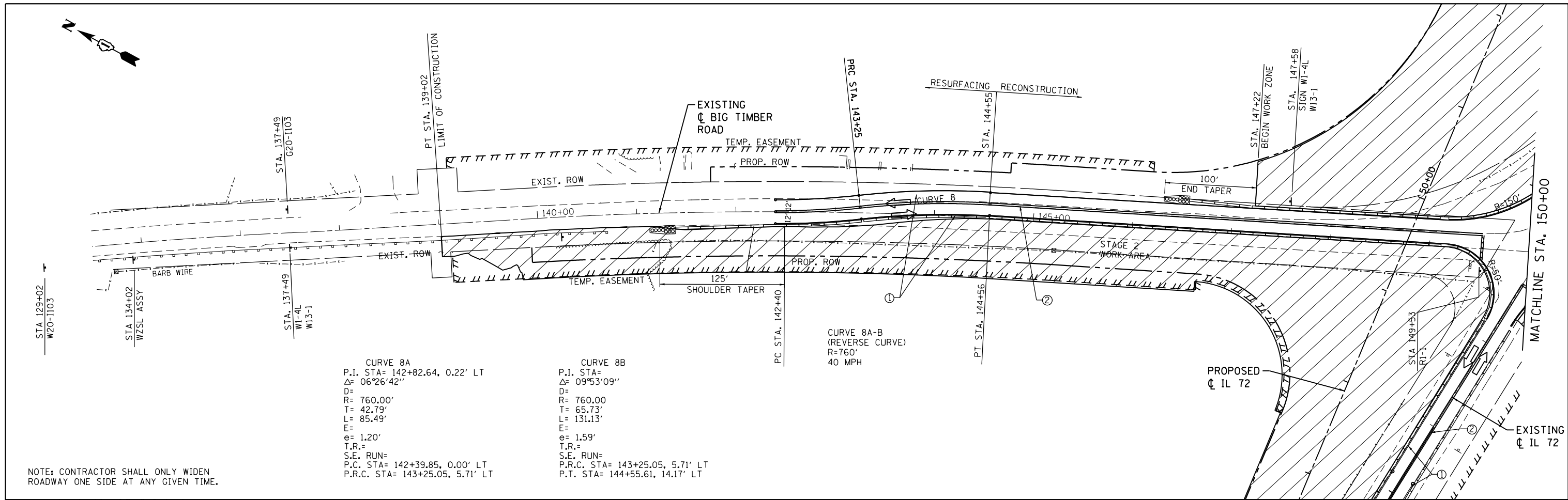


**LEGEND:**

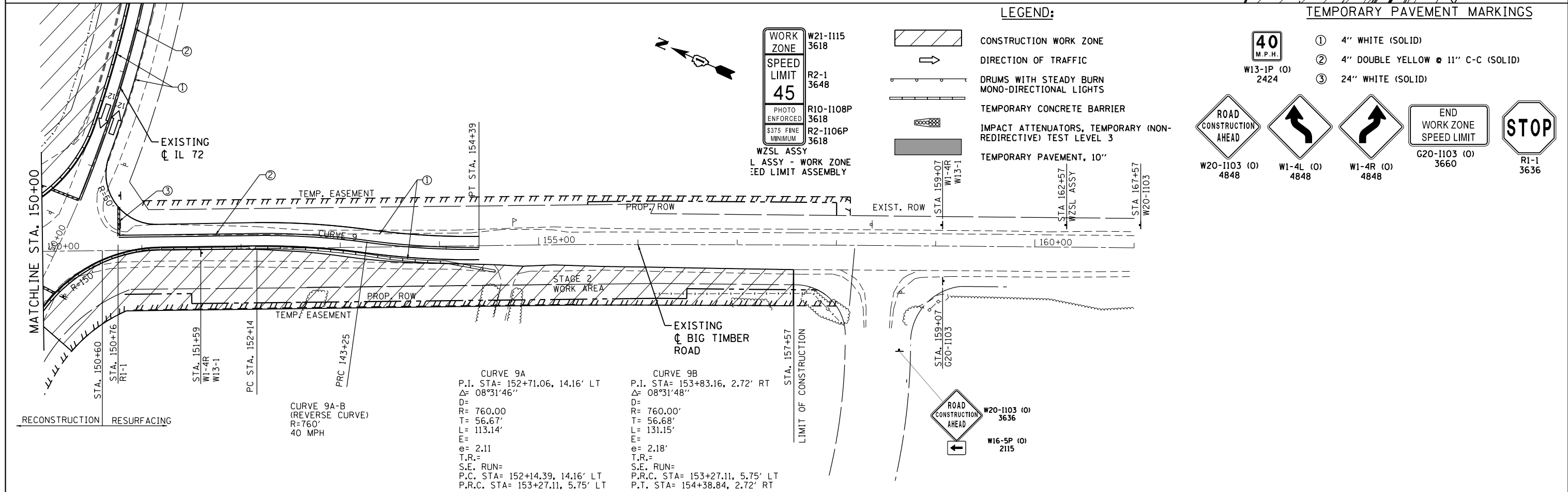


USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	39
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL ONLY WIDEN ROADWAY ONE SIDE AT ANY GIVEN TIME.



**LEGEND:**

**WORK ZONE**  
 W21-1115 3618  
**SPEED LIMIT**  
 R2-1 3648  
**45**  
 PHOTO ENFORCED 3618  
 \$375 FINE MINIMUM 3618  
**WZSL ASSY**  
 L ASSY - WORK ZONE  
 ED LIMIT ASSEMBLY

**CONSTRUCTION WORK ZONE**  
**DIRECTION OF TRAFFIC**  
**DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS**  
**TEMPORARY CONCRETE BARRIER**  
**IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3**  
**TEMPORARY PAVEMENT, 10"**

**TEMPORARY PAVEMENT MARKINGS**

**40 M.P.H.**  
 W13-1P (O) 2424  
 W20-1103 (O) 4848  
 W1-4L (O) 4848  
 W1-4R (O) 4848  
 END WORK ZONE SPEED LIMIT G20-1103 (O) 3660  
 STOP R1-1 3636

① 4" WHITE (SOLID)  
 ② 4" DOUBLE YELLOW @ 11" C-C (SOLID)  
 ③ 24" WHITE (SOLID)

**GRAEF**  
 8501 N. Higgins Road Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

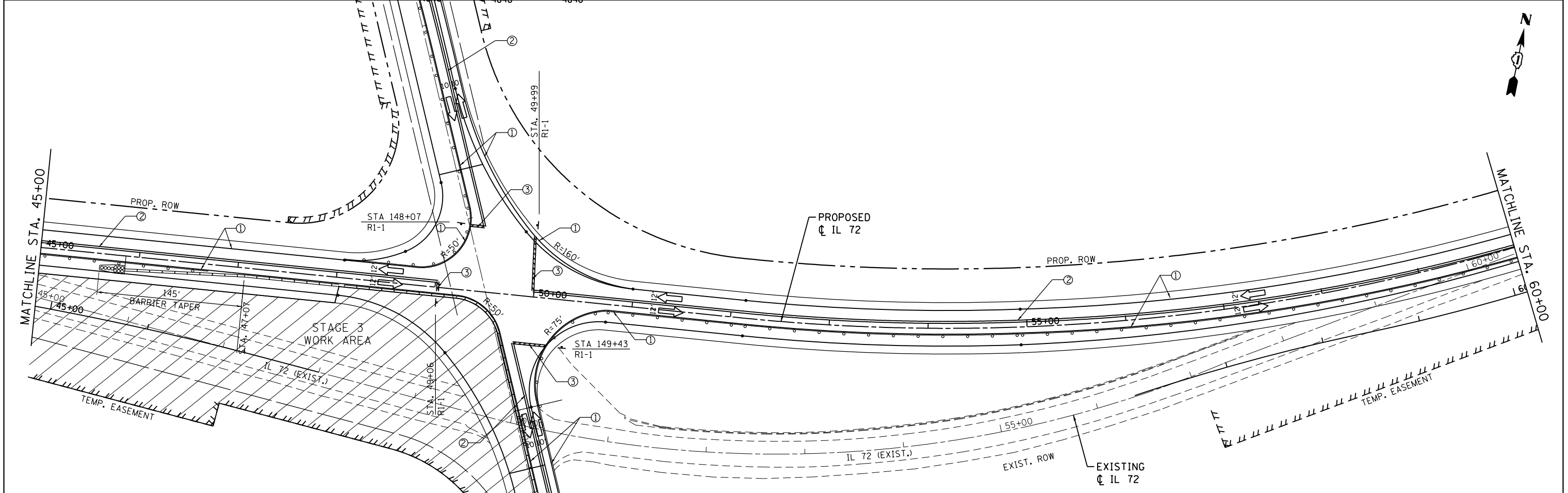
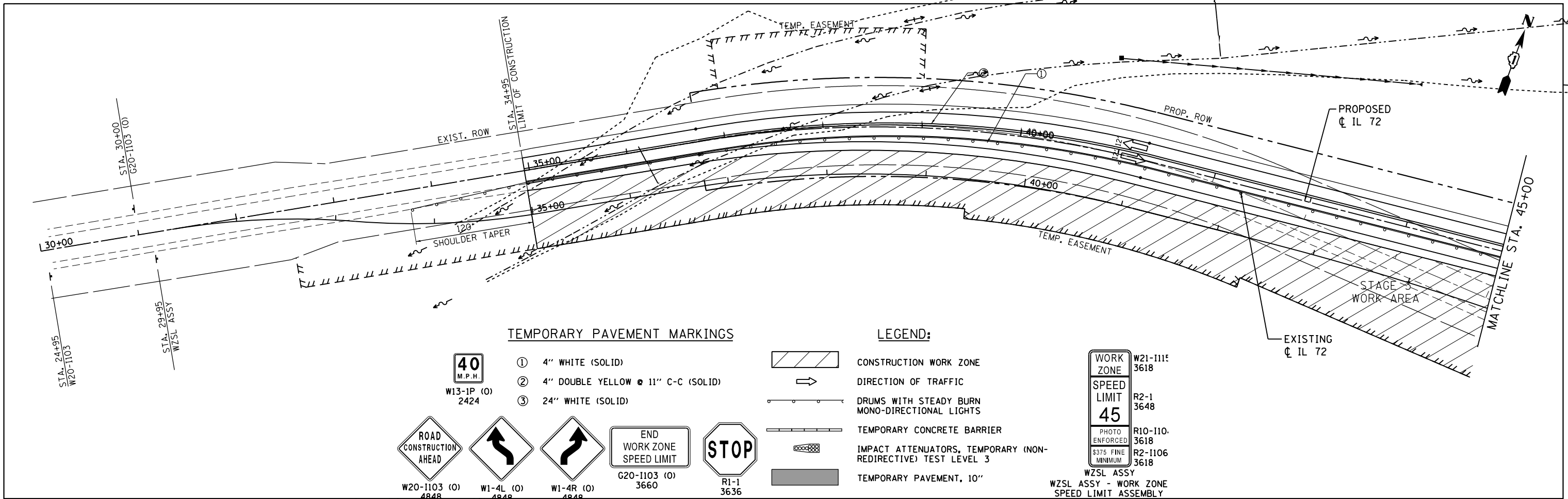
USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

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

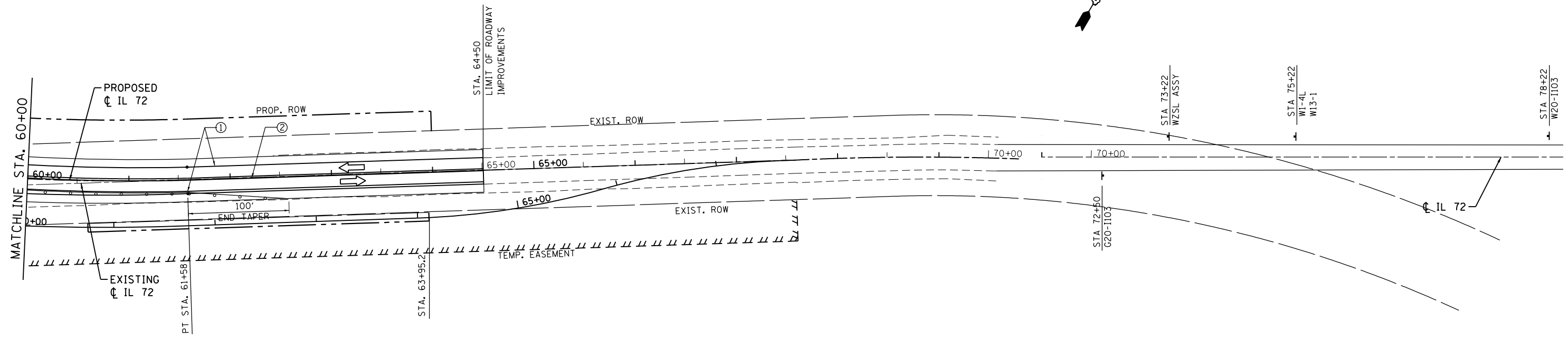
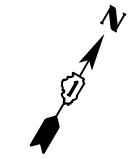
**IL ROUTE 72 AT BIG TIMBER ROAD**  
**SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2**  
 SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 135+00 TO STA. 165+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	40
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



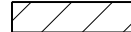







8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 3</b>			F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 41
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50'			SHEET 1 OF 3 SHEETS			CONTRACT NO. 62407	
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -		STA. 30+00 TO STA. 60+00			ILLINOIS FED. AID PROJECT				



**LEGEND:**

**WORK ZONE** W21-1115 3618  
**SPEED LIMIT** R2-1 3648  
**45**  
 PHOTO ENFORCED R10-1108P 3618  
 \$375 FINE MINIMUM R2-1106P 3618  
**WZSL ASSY**  
 WZSL ASSY - WORK ZONE SPEED LIMIT ASSEMBLY

-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
-  TEMPORARY PAVEMENT, 10"

**TEMPORARY PAVEMENT MARKINGS**

**40 M.P.H.** W13-1P (0) 2424

- ① 4" WHITE (SOLID)
- ② 4" DOUBLE YELLOW @ 11" C-C (SOLID)
- ③ 24" WHITE (SOLID)

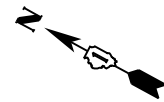
**ROAD CONSTRUCTION AHEAD** W20-1103 (0) 4848

**END WORK ZONE SPEED LIMIT** G20-1103 (0) 3660

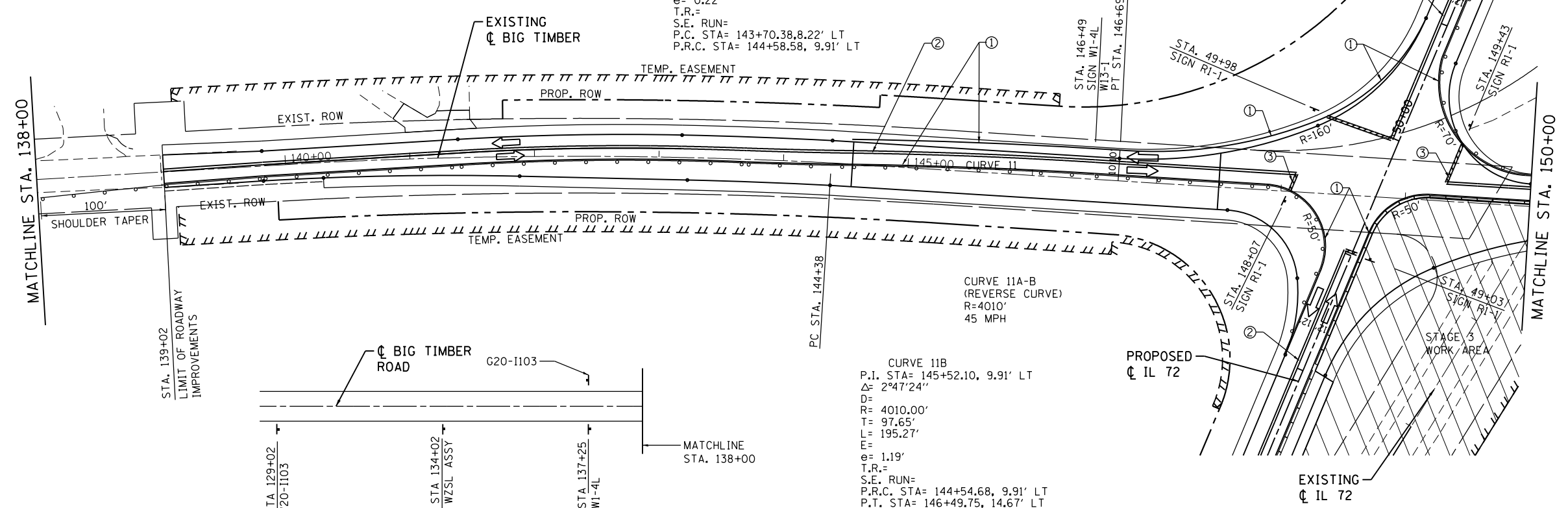
**STOP** R1-1 3636

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	42
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				



CURVE 11A  
 P.I. STA= 144+12.56, 8.00' LT  
 $\Delta = 1^{\circ}12'24''$   
 D= 4010.00'  
 T= 42.27'  
 L= 84.45'  
 E= 0.22'  
 T.R.=  
 S.E. RUN=  
 P.C. STA= 143+70.38, 8.22' LT  
 P.R.C. STA= 144+58.58, 9.91' LT



CURVE 11B  
 P.I. STA= 145+52.10, 9.91' LT  
 $\Delta = 2^{\circ}47'24''$   
 D= 4010.00'  
 T= 97.65'  
 L= 195.27'  
 E= 1.19'  
 T.R.=  
 S.E. RUN=  
 P.R.C. STA= 144+54.68, 9.91' LT  
 P.T. STA= 146+49.75, 14.67' LT

CURVE 12A (NB MEDIAN)  
 P.I. STA= 151+41.01, 14.24' LT  
 $\Delta = 1^{\circ}59'18''$   
 D= 3010.00'  
 T= 52.23'  
 L= 104.46'  
 E= 0.45'  
 T.R.=  
 S.E. RUN=  
 P.C. STA= 150+88.78, 14.66' LT  
 P.R.C. STA= 151+93.19, 11.61' LT

CURVE 12B (NB MEDIAN)  
 P.I. STA= 152+40.88, 8.78' LT  
 $\Delta = 1^{\circ}49'07''$   
 D= 3010.00'  
 T= 47.77'  
 L= 95.54'  
 E= 0.66'  
 T.R.=  
 S.E. RUN=  
 P.R.C. STA= 151+93.19, 11.61' LT  
 P.T. STA= 152+88.65, 8.07' LT

**LEGEND:**

	CONSTRUCTION WORK ZONE
	DIRECTION OF TRAFFIC
	DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
	TEMPORARY PAVEMENT, 10"

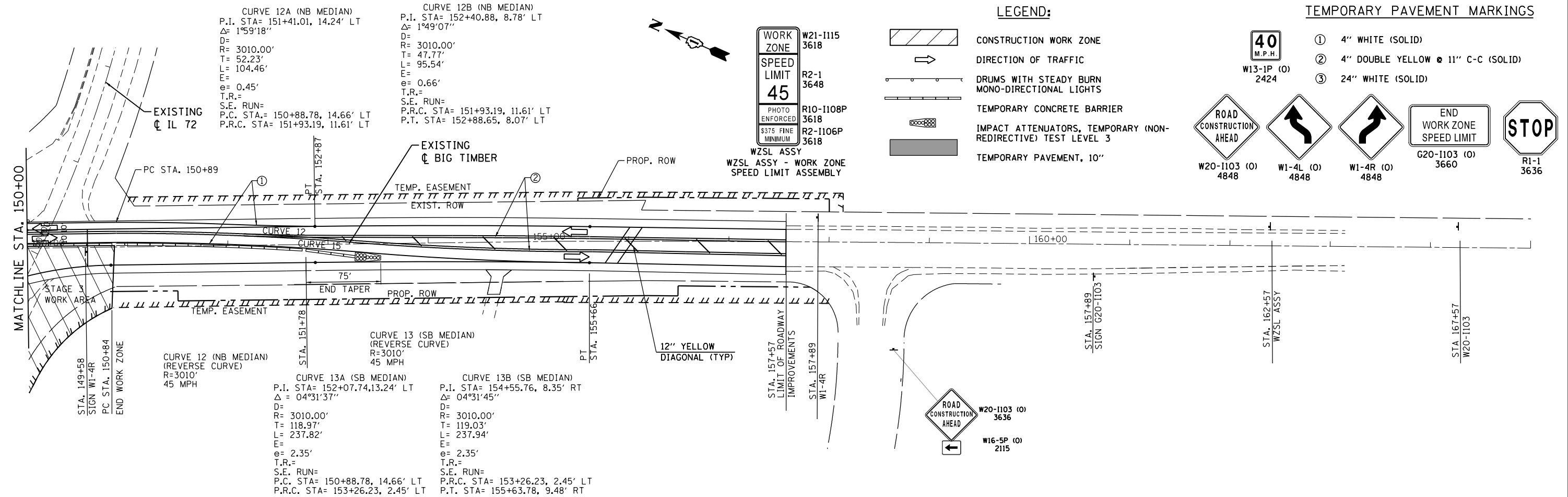
WZSL ASSY  
 WZSL ASSY - WORK ZONE SPEED LIMIT ASSEMBLY

WORK ZONE	W21-1115
SPEED LIMIT	R2-1
PHOTO ENFORCED	R10-1108P
\$375 FINE MINIMUM	R2-1106P
	R2-1103

**TEMPORARY PAVEMENT MARKINGS**

	① 4" WHITE (SOLID)
	② 4" DOUBLE YELLOW @ 11" C-C (SOLID)
	③ 24" WHITE (SOLID)

	W20-1103 (O)	4848
	W1-4L (O)	4848
	W1-4R (O)	4848
	G20-1103 (O)	3660
	R1-1	3636



**GRAEF**  
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 Chicago, Illinois 60631  
 (773) 399-0112

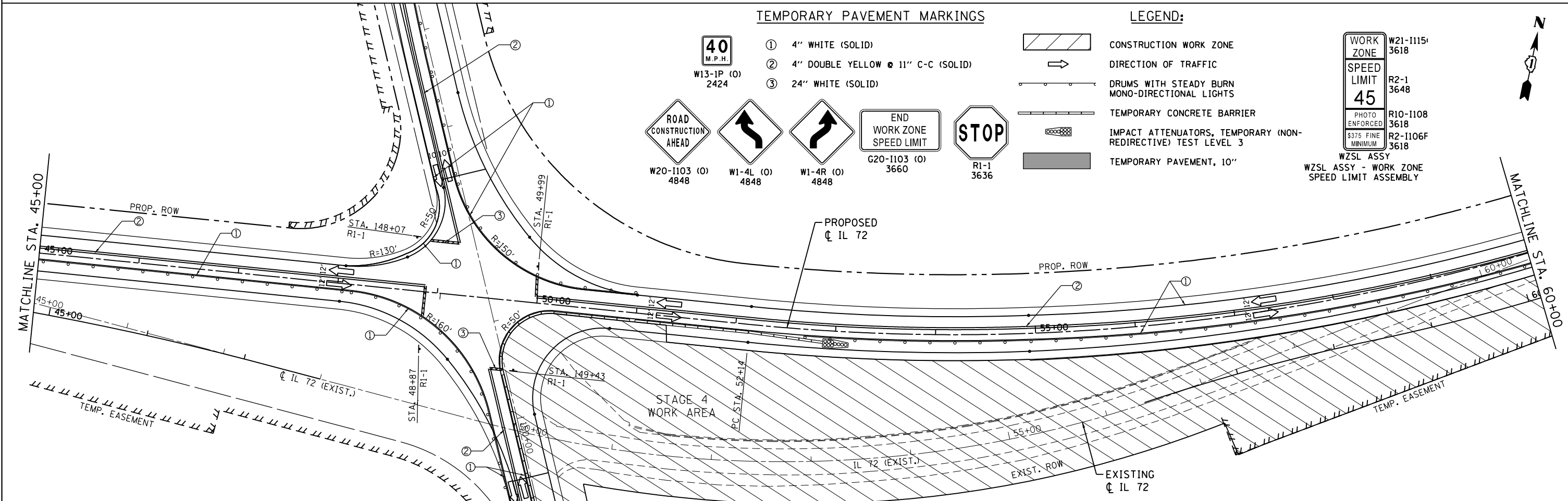
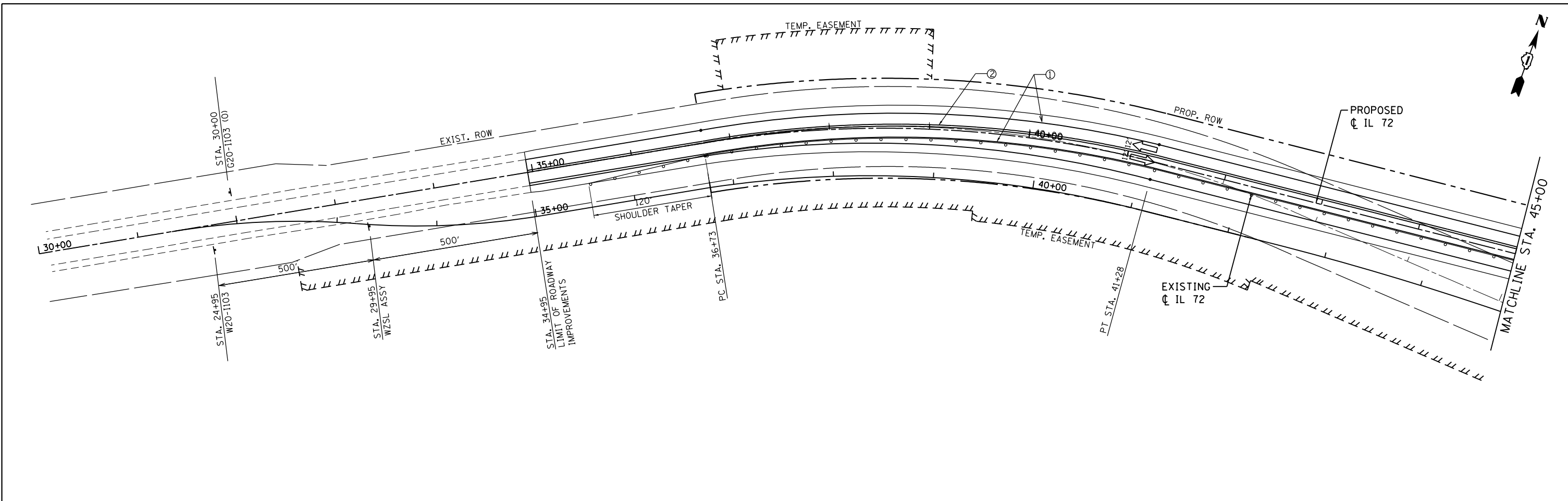
USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1/8" = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 3**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 135+00 TO STA. 165+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	43
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**TEMPORARY PAVEMENT MARKINGS**

- ① 4" WHITE (SOLID)
- ② 4" DOUBLE YELLOW @ 11" C-C (SOLID)
- ③ 24" WHITE (SOLID)

**LEGEND:**

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY PAVEMENT, 10"

**TRAFFIC CONTROL SIGNS:**

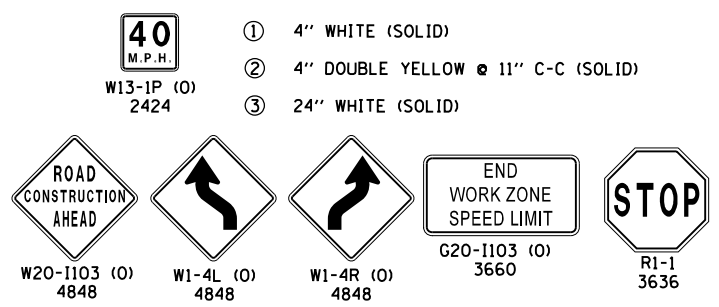
- W13-1P (O) 2424
- W20-1103 (O) 4848
- W1-4L (O) 4848
- W1-4R (O) 4848
- G20-1103 (O) 3660
- R1-1 3636

**WORK ZONE SPEED LIMIT ASSEMBLY:**

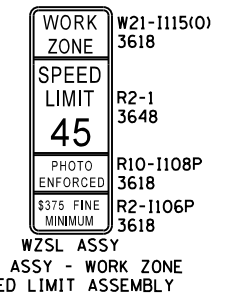
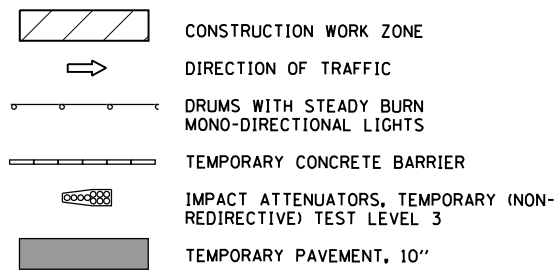
- WORK ZONE W21-1115 3618
- SPEED LIMIT R2-1 3648
- PHOTO ENFORCED R10-1108 3618
- \$375 FINE MINIMUM R2-1106F 3618
- WZSL ASSY WZSL ASSY - WORK ZONE SPEED LIMIT ASSEMBLY



**TEMPORARY PAVEMENT MARKINGS**

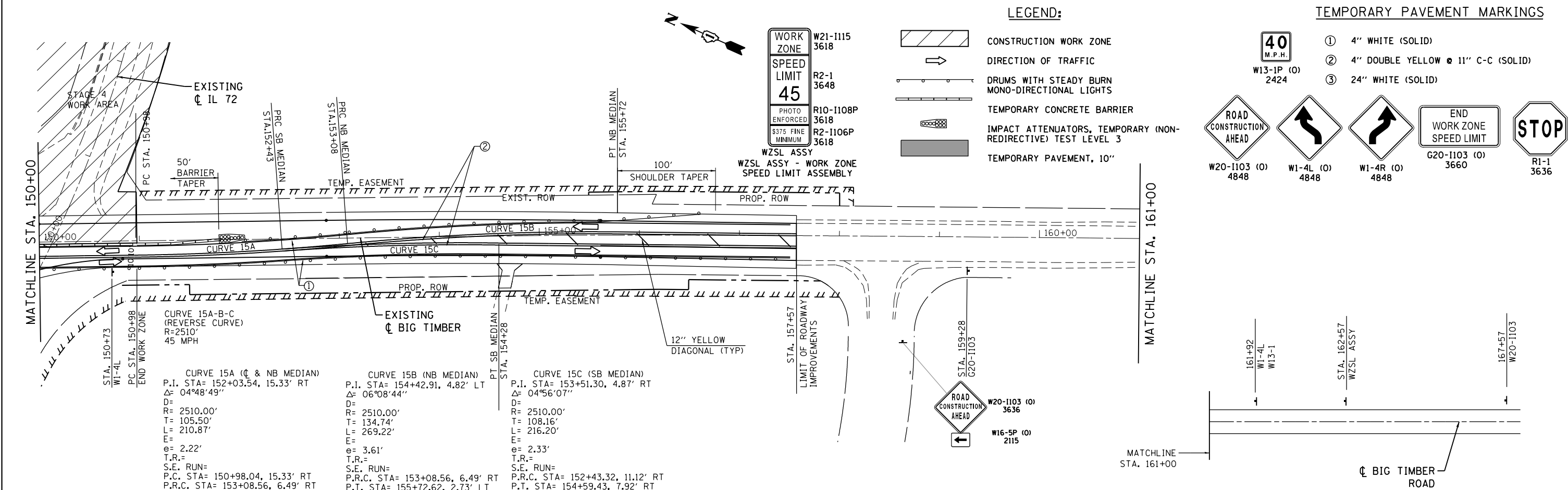
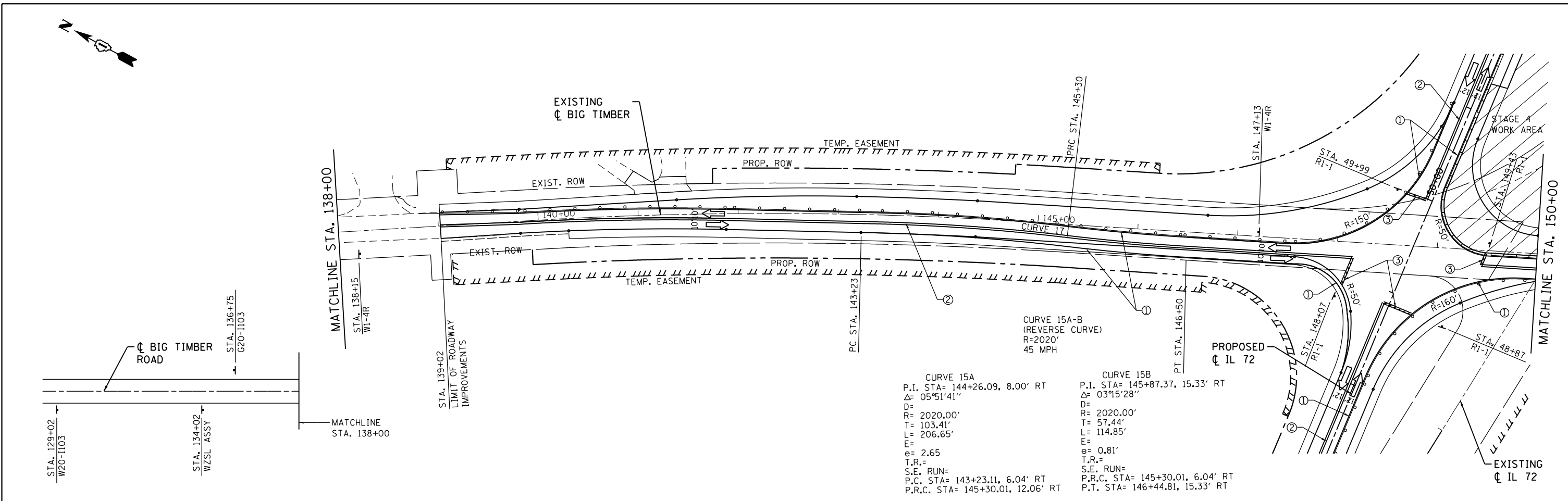


**LEGEND:**

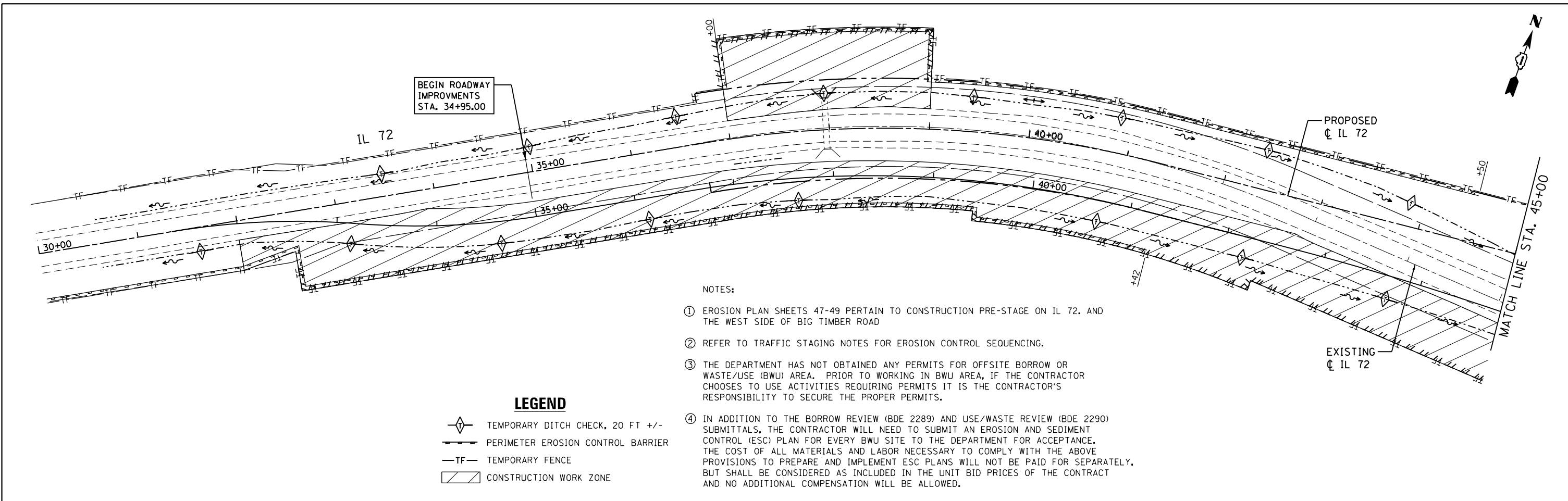


USER NAME = 1485	DESIGNED -	REVISED -
DRAWN -	REVISÉD -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	45
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				

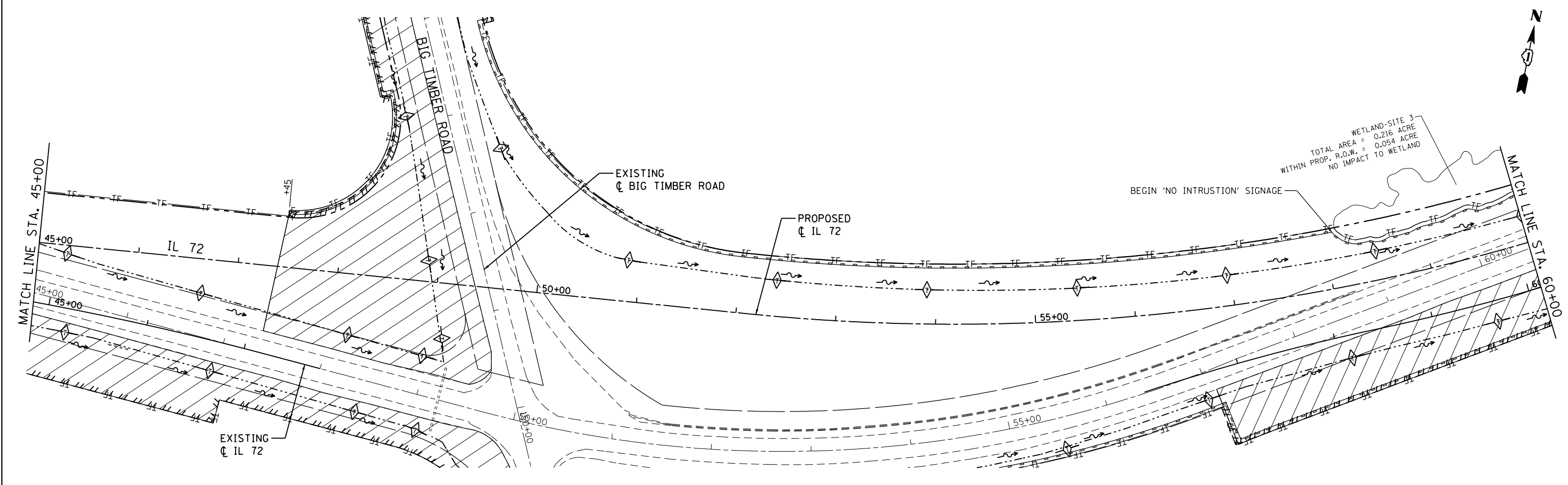


8501 N. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 4</b>	F.A.P. RTE. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 46		
	PLOT SCALE = 1/8" = 100.0000' / 1" = 1000.0000'	CHECKED -	REVISIED -			SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS	STA. 135+00 TO STA. 165+00	CONTRACT NO. 62407			
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISIED -			ILLINOIS FED. AID PROJECT						

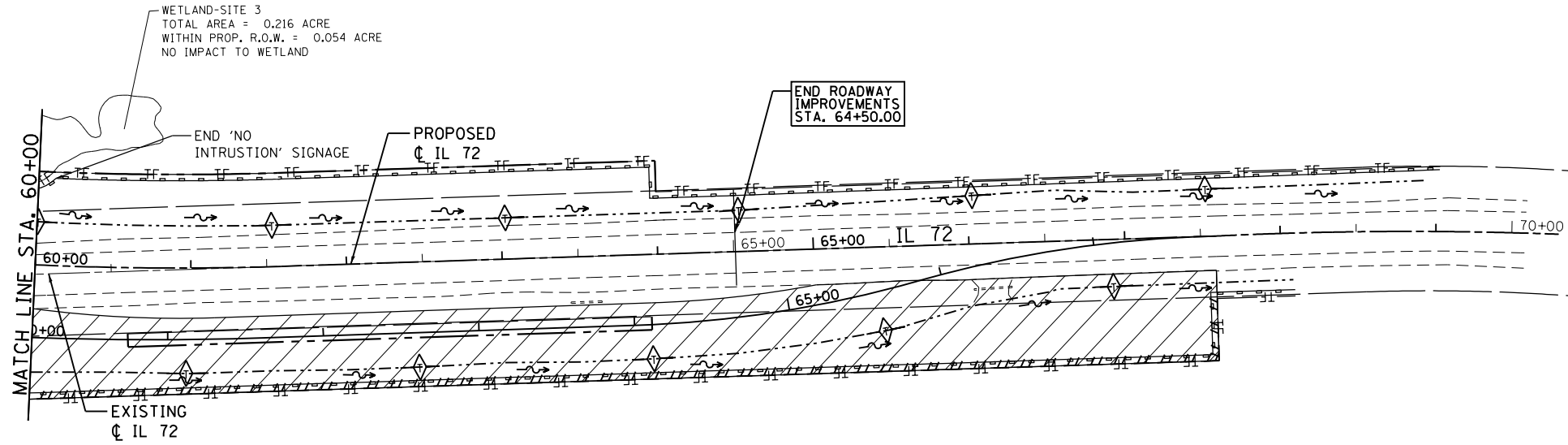


- NOTES:
- ① EROSION PLAN SHEETS 47-49 PERTAIN TO CONSTRUCTION PRE-STAGE ON IL 72. AND THE WEST SIDE OF BIG TIMBER ROAD
  - ② REFER TO TRAFFIC STAGING NOTES FOR EROSION CONTROL SEQUENCING.
  - ③ THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREA. PRIOR TO WORKING IN BWU AREA, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS.
  - ④ IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. 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.

- LEGEND**
- TEMPORARY DITCH CHECK, 20 FT +/-
  - PERIMETER EROSION CONTROL BARRIER
  - TEMPORARY FENCE
  - CONSTRUCTION WORK ZONE



8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>EROSION AND SEDIMENTATION PLAN - PRE-STAGE</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		341	109N-3	KANE	209	47			
	PLOT DATE = 3/13/2015	CHECKED -	REVISED -		CONTRACT NO. 62407				ILLINOIS FED. AID PROJECT			
	DATE = 3/16/2015	DATE -	REVISED -	SCALE: 1"=50'	SHEET 1	OF 3	SHEETS	STA. 30+00	TO STA. 60+00			



**LEGEND**

- TEMPORARY DITCH CHECK, 20 FT +/-
- PERIMETER EROSION CONTROL BARRIER
- TEMPORARY FENCE
- CONSTRUCTION WORK ZONE

**GRAEF** 8501 N. Higgins Road Suite 280  
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USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

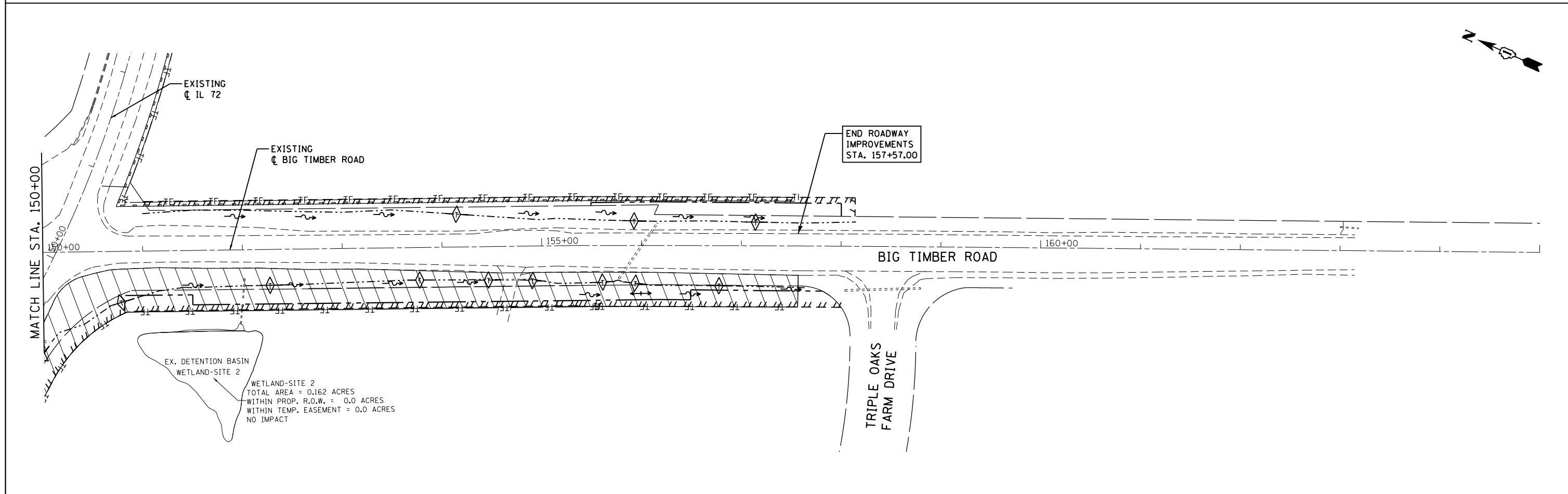
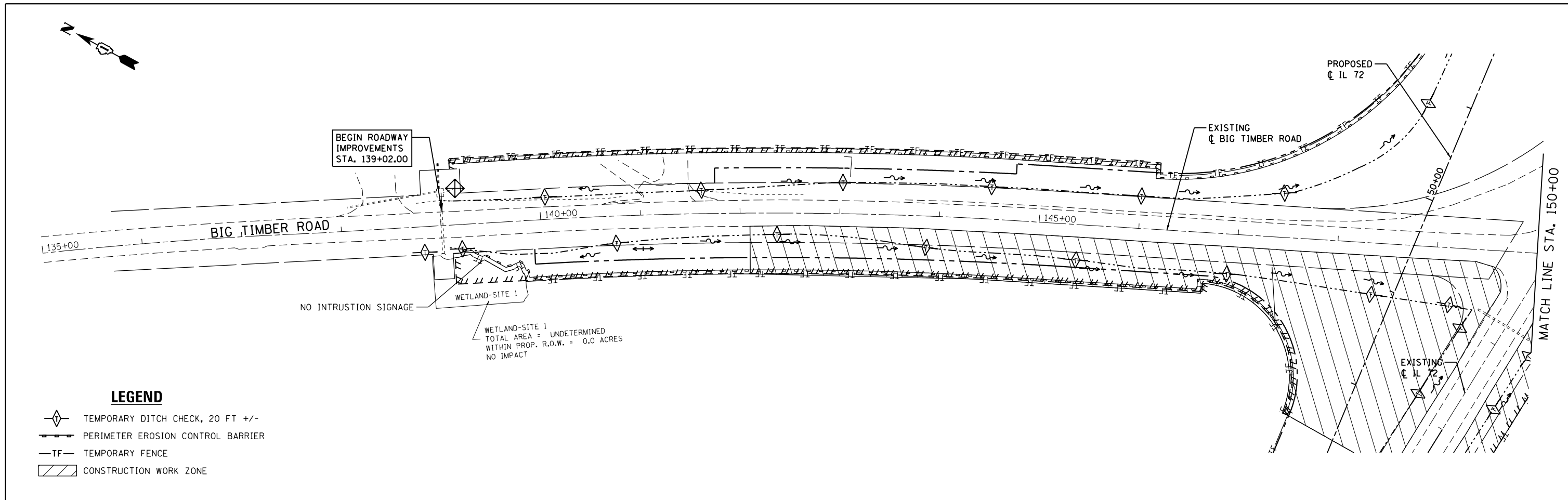
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
EROSION AND SEDIMENTATION PLAN - PRE-STAGE**

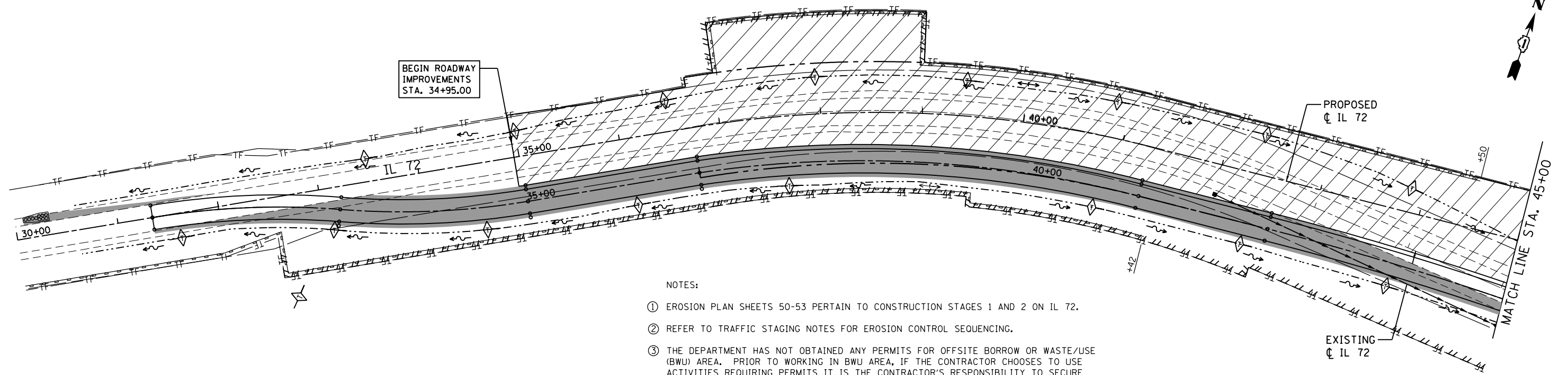
SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 60+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	48
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				



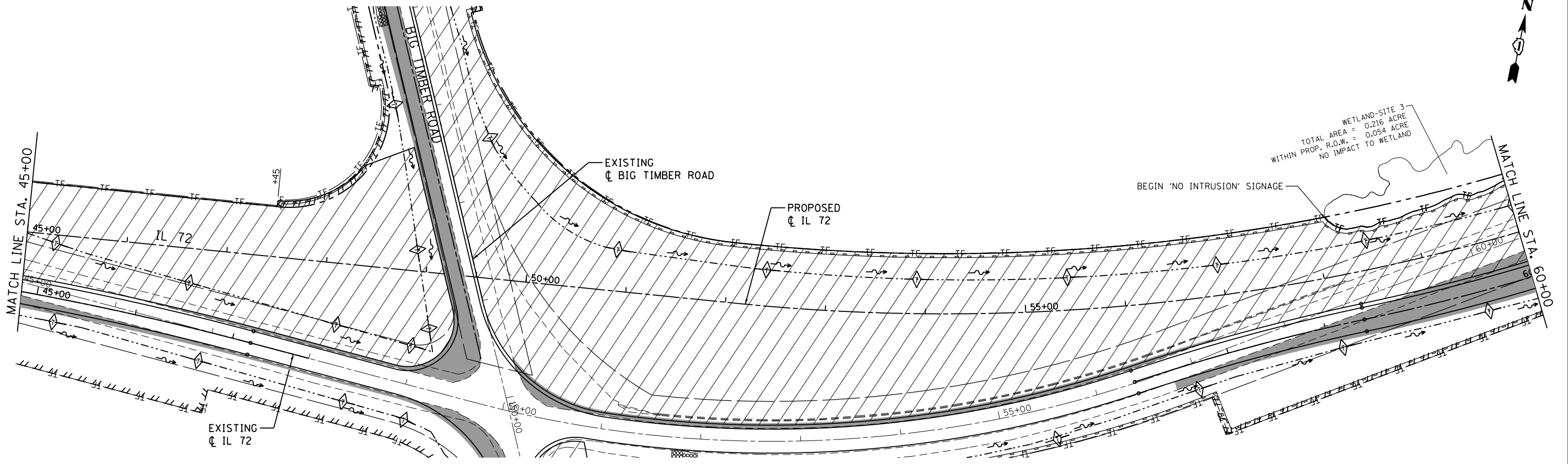


<b>GR&amp;E</b> 8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>EROSION AND SEDIMENTATION PLAN - PRE-STAGE</b>			F.A.P. RTE. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 49
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. 135+00	TO STA. 165+00	<b>CONTRACT NO. 62407</b>		
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -		ILLINOIS FED. AID PROJECT							



- NOTES:
- ① EROSION PLAN SHEETS 50-53 PERTAIN TO CONSTRUCTION STAGES 1 AND 2 ON IL 72.
  - ② REFER TO TRAFFIC STAGING NOTES FOR EROSION CONTROL SEQUENCING.
  - ③ THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREA. PRIOR TO WORKING IN BWU AREA, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS.
  - ④ IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. 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.

- LEGEND**
- TEMPORARY DITCH CHECK, 20 FT +/-
  - PERIMETER EROSION CONTROL BARRIER
  - TEMPORARY FENCE
  - CONSTRUCTION WORK ZONE



**GR&E**  
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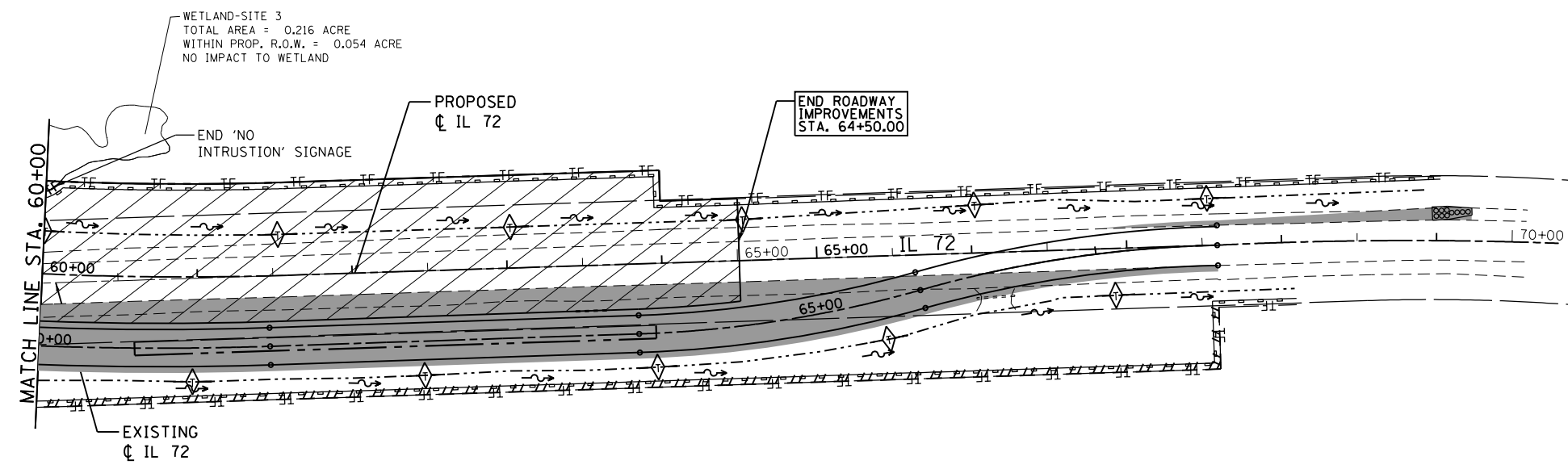
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
EROSION AND SEDIMENTATION PLAN - STAGES 1 AND 2**

SCALE: 1"=50'    SHEET 1 OF 3 SHEETS    STA. 30+00 TO STA. 60+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	50
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TEMPORARY DITCH CHECK, 20 FT +/-
  - PERIMETER EROSION CONTROL BARRIER
  - TEMPORARY FENCE
  - CONSTRUCTION WORK ZONE

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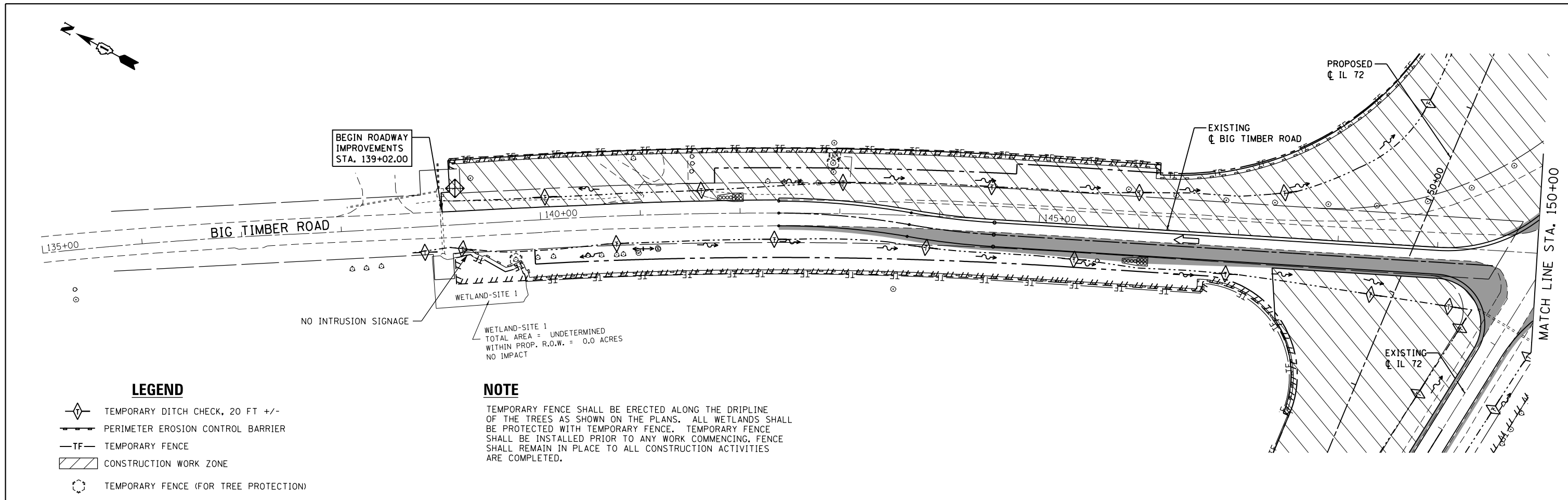
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DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 EROSION AND SEDIMENTATION PLAN - STAGES 1 AND 2**

SCALE: 1"=50'    SHEET 2 OF 3 SHEETS    STA. 60+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	51
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				



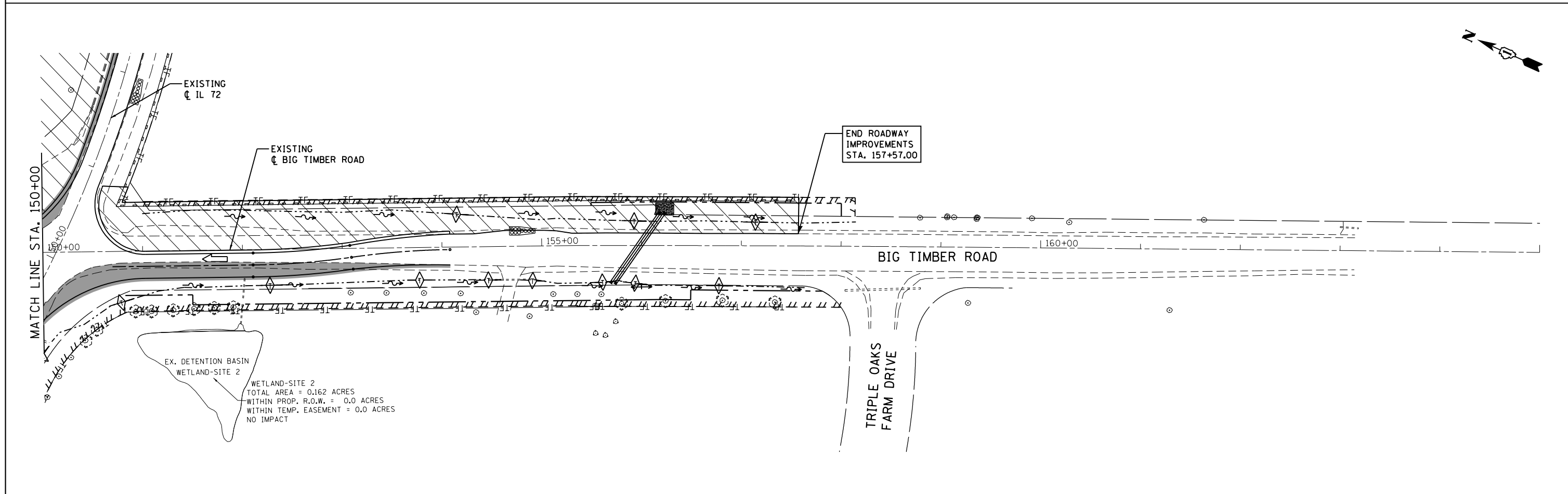
**LEGEND**

- TEMPORARY DITCH CHECK, 20 FT +/-
- PERIMETER EROSION CONTROL BARRIER
- TEMPORARY FENCE
- CONSTRUCTION WORK ZONE
- TEMPORARY FENCE (FOR TREE PROTECTION)

**NOTE**

TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIPLINE OF THE TREES AS SHOWN ON THE PLANS. ALL WETLANDS SHALL BE PROTECTED WITH TEMPORARY FENCE. TEMPORARY FENCE SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING. FENCE SHALL REMAIN IN PLACE TO ALL CONSTRUCTION ACTIVITIES ARE COMPLETED.

WETLAND-SITE 1  
TOTAL AREA = UNDETERMINED  
WITHIN PROP. R.O.W. = 0.0 ACRES  
NO IMPACT



WETLAND-SITE 2  
TOTAL AREA = 0.162 ACRES  
WITHIN PROP. R.O.W. = 0.0 ACRES  
WITHIN TEMP. EASEMENT = 0.0 ACRES  
NO IMPACT

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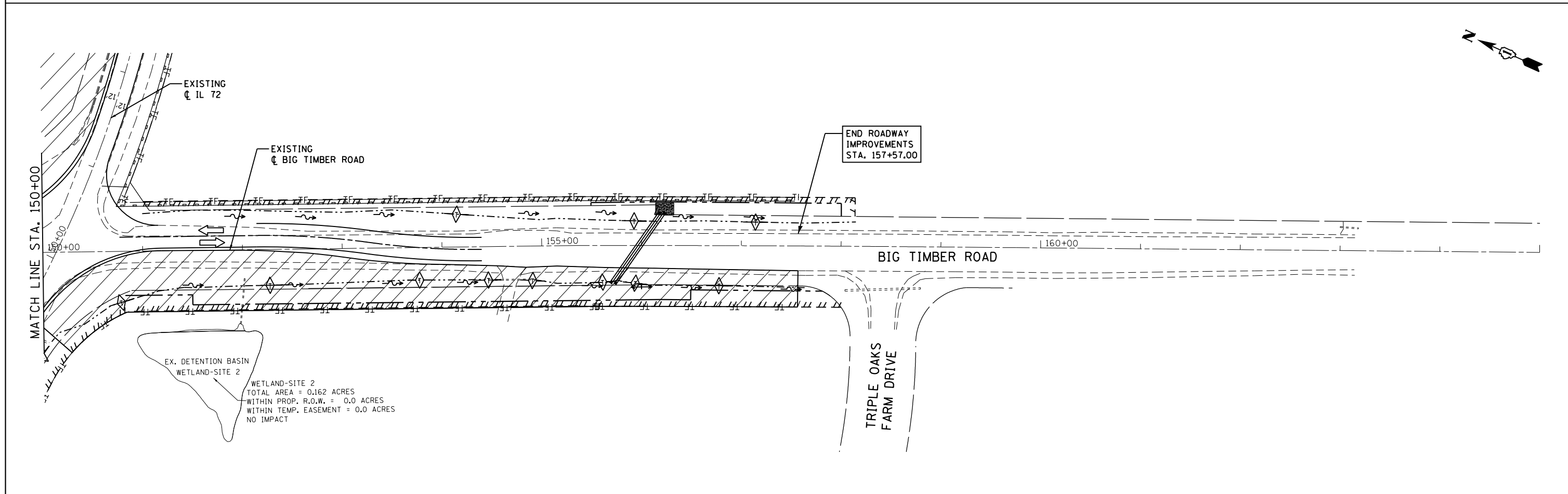
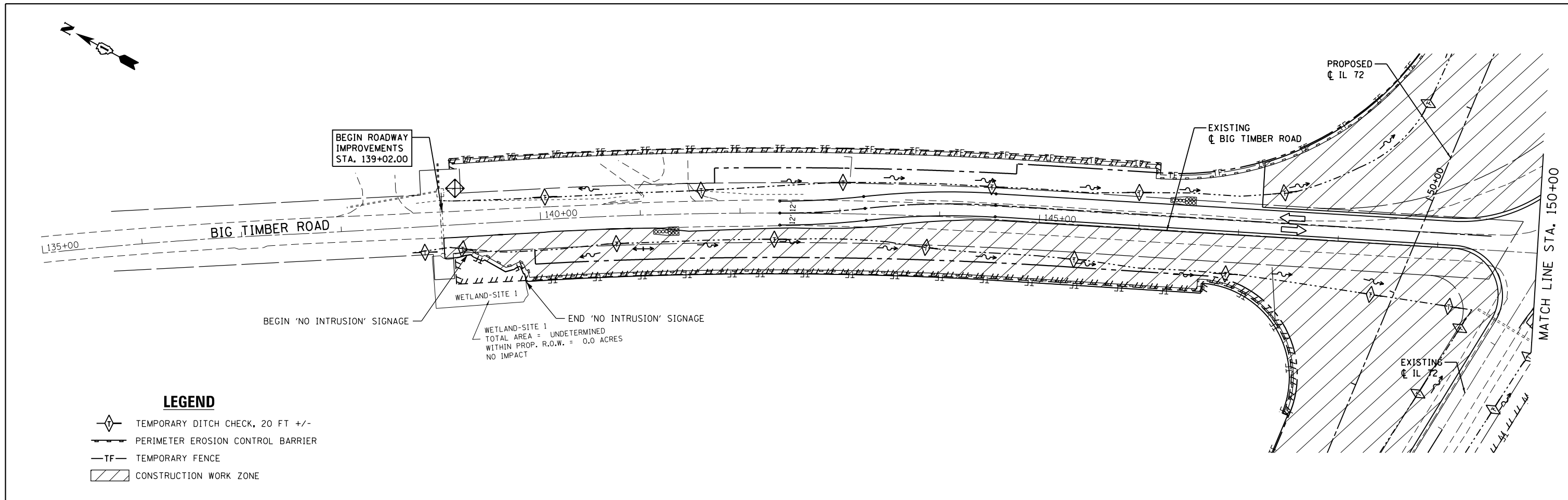
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PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
EROSION AND SEDIMENTATION PLAN - STAGE 1**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA.135+00 TO STA.165+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	52
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



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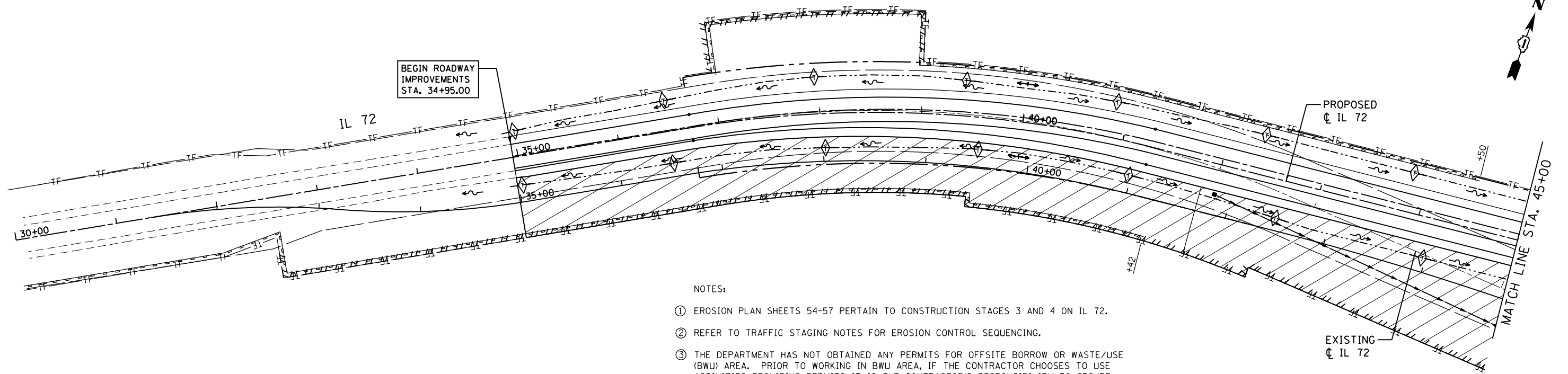
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PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**





**IL ROUTE 72 AT BIG TIMBER ROAD  
EROSION AND SEDIMENTATION PLAN - STAGE 2**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 135+00 TO STA. 165+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	53
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

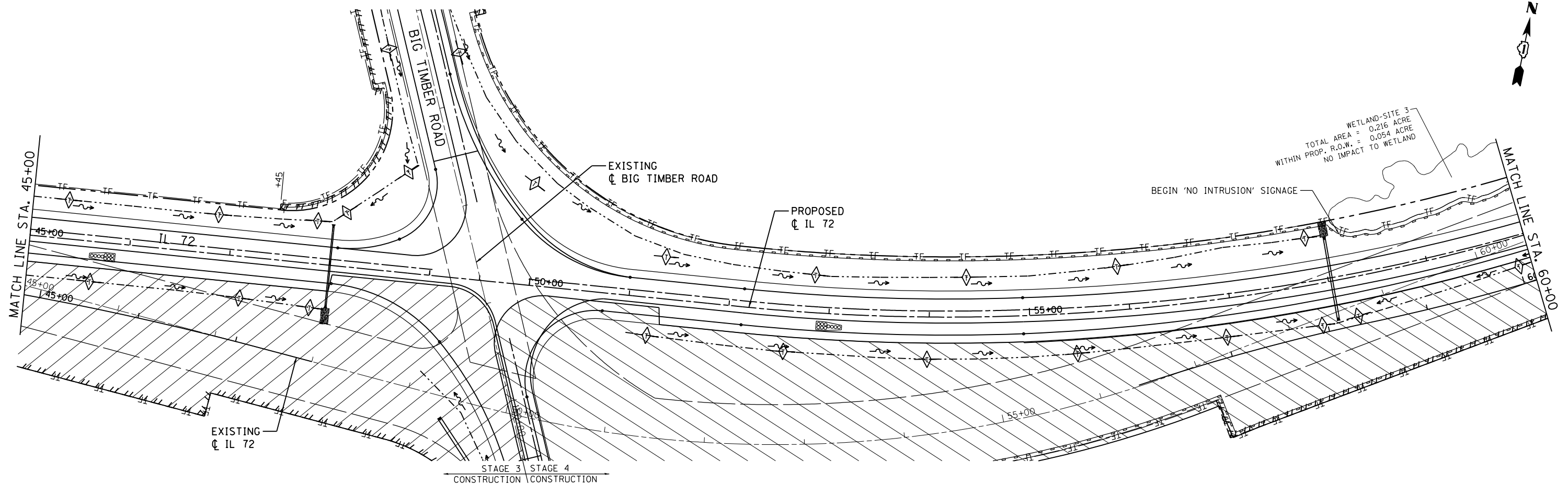


**LEGEND**

-  TEMPORARY DITCH CHECK, 20 FT +/-
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY FENCE
-  CONSTRUCTION WORK ZONE

**NOTES:**

- ① EROSION PLAN SHEETS 54-57 PERTAIN TO CONSTRUCTION STAGES 3 AND 4 ON IL 72.
- ② REFER TO TRAFFIC STAGING NOTES FOR EROSION CONTROL SEQUENCING.
- ③ THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREA. PRIOR TO WORKING IN BWU AREA, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS.
- ④ IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. 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.



**GR&E** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

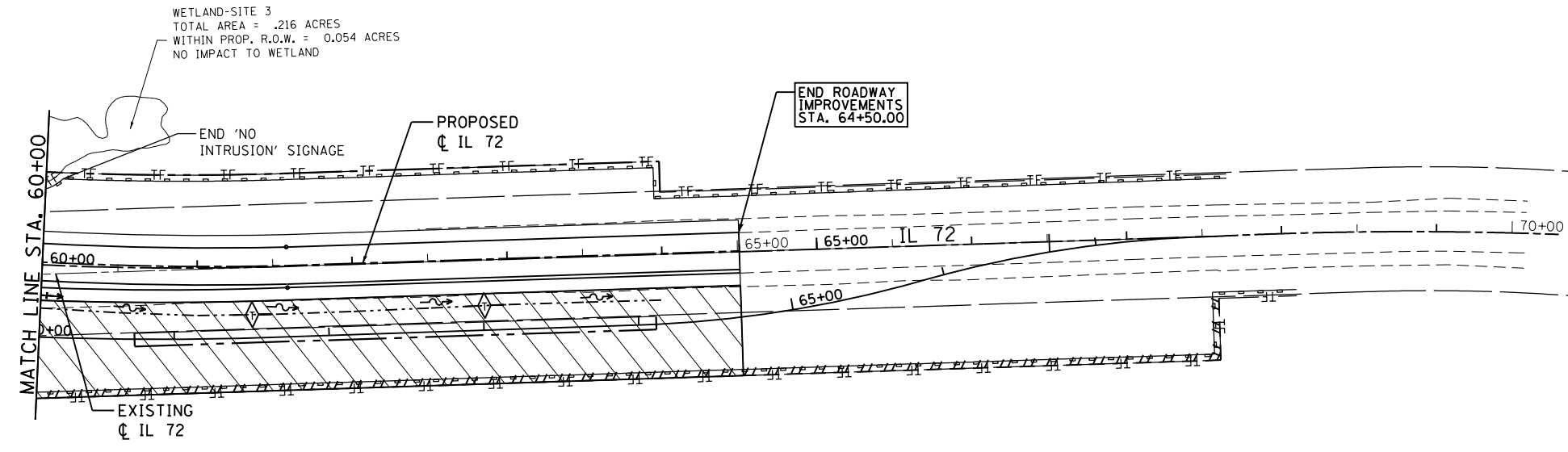
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PLOT DATE = 3/13/2015	CHECKED -	REVISÉ -
	DATE - 3/16/2015	REVISÉ -





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
EROSION AND SEDIMENTATION PLAN - STAGES 3 AND 4**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 30+00 TO STA. 60+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	54
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  TEMPORARY DITCH CHECK, 20 FT +/-
  -  PERIMETER EROSION CONTROL BARRIER
  -  TEMPORARY FENCE
  -  CONSTRUCTION WORK ZONE

**GRAEF**  
 8501 N. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

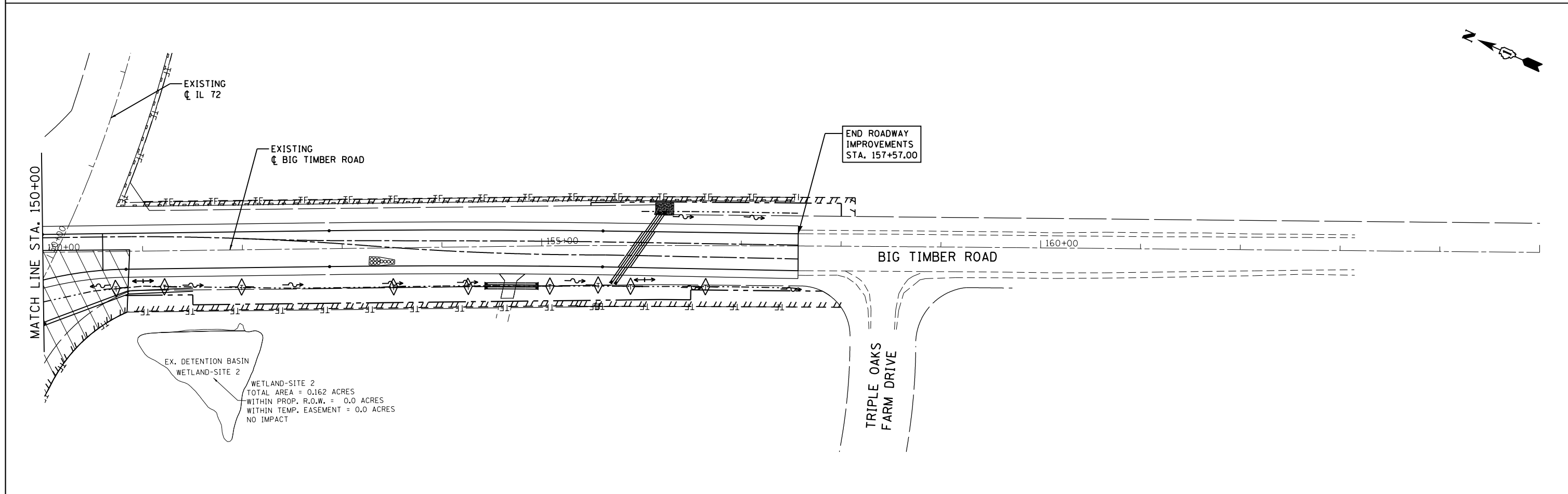
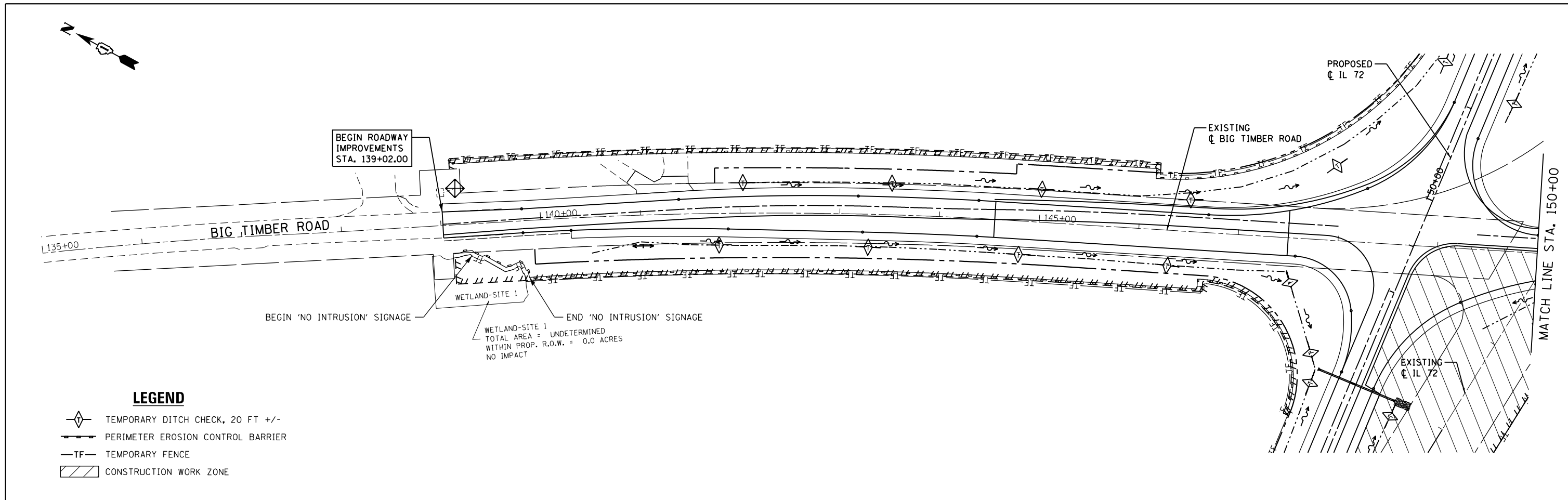
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 EROSION AND SEDIMENTATION PLAN - STAGES 3 AND 4**

SCALE: 1"=50'    SHEET 2 OF 3 SHEETS    STA. 60+00 TO STA. 70+00

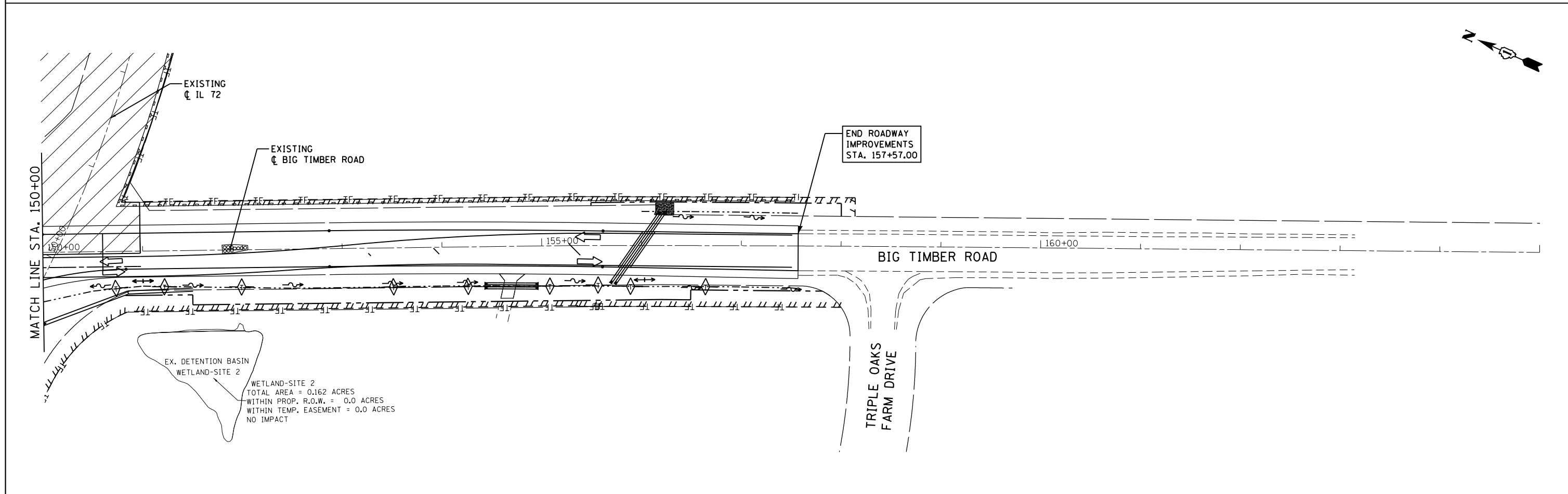
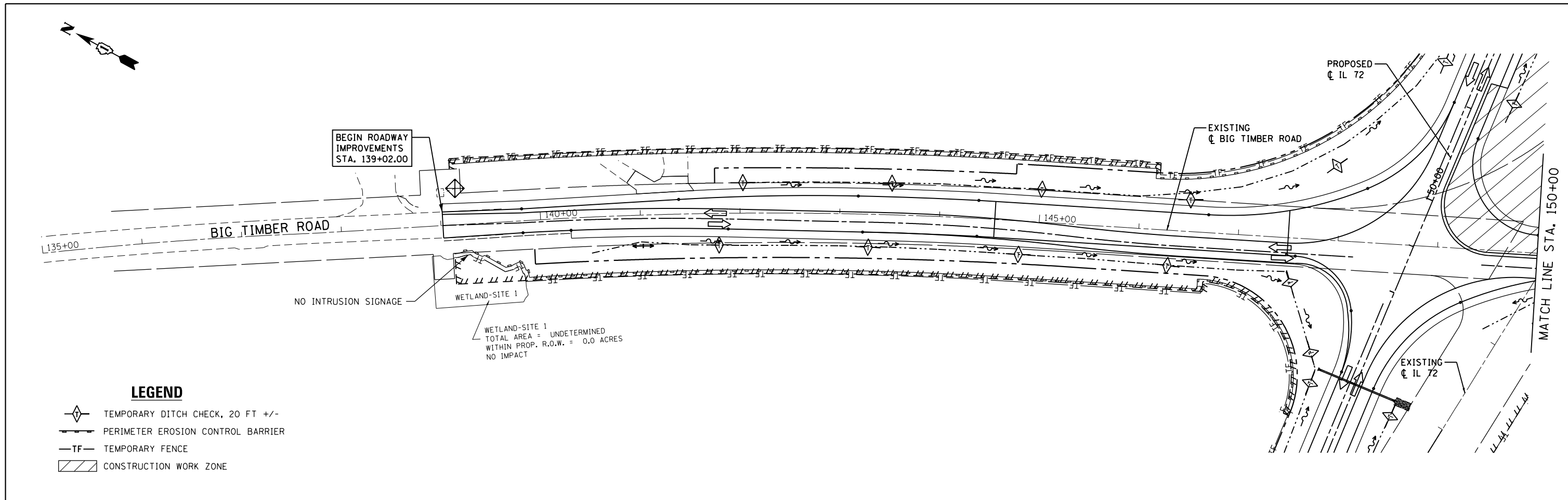
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	55
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				



<b>GR&amp;EF</b> 8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD EROSION AND SEDIMENTATION PLAN - STAGE 3</b>	F.A.P. RTE. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 56	
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 62407					
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=50'      SHEET 3 OF 3 SHEETS      STA. 135+00 TO STA. 165+00



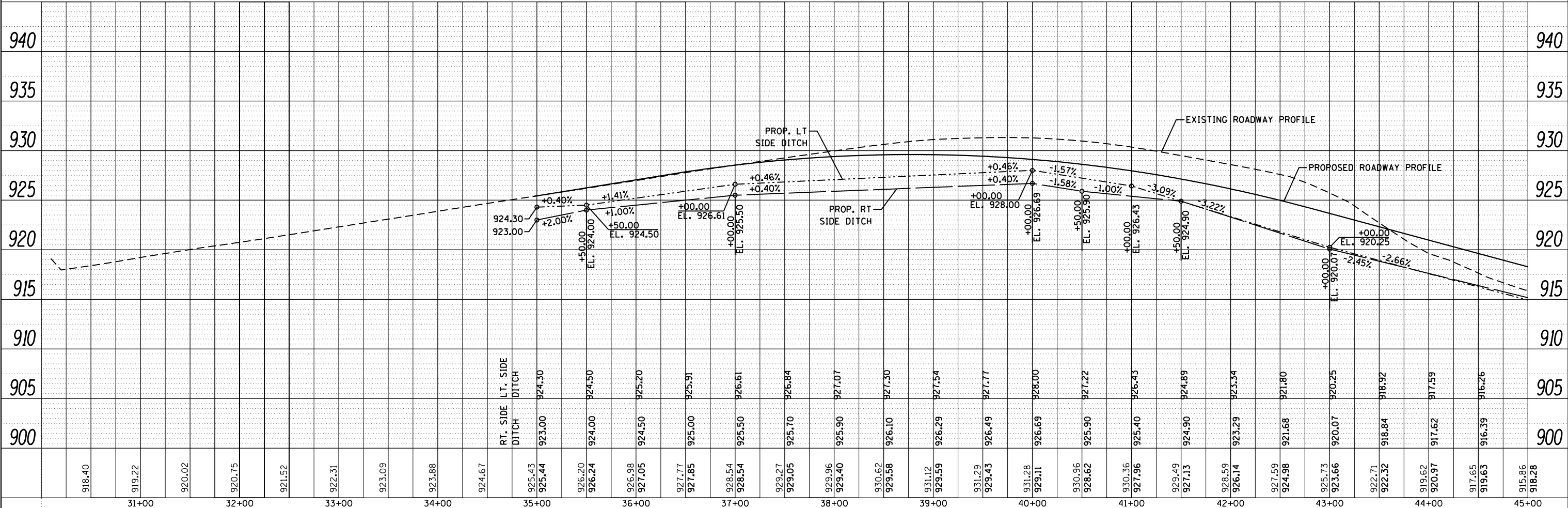
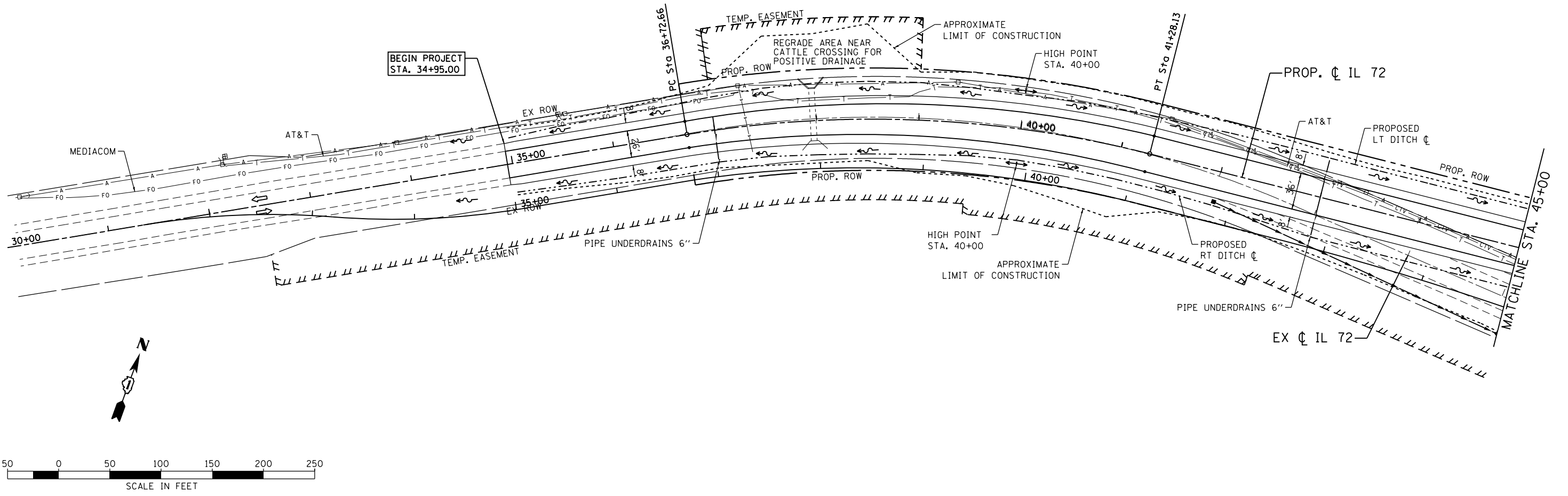


<b>GR&amp;E</b> 8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD          EROSION AND SEDIMENTATION PLAN - STAGE 4</b>	F.A.P. RTE. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 57	
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 62407					
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 135+00 TO STA. 165+00

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FIELD FILE NAME	

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



918.40	919.22	920.02	920.75	921.52	922.31	923.09	923.88	924.67	925.43	925.44	926.20	926.24	926.98	927.05	927.77	927.85	928.54	928.54	929.27	929.05	929.96	929.40	930.62	929.58	931.12	929.59	931.29	929.43	931.28	929.11	930.96	928.62	930.36	927.96	929.49	927.13	928.59	926.14	927.59	924.98	925.73	923.66	922.71	922.32	919.62	920.97	917.65	919.63	915.86	916.28
31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00																																				

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Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
DRAINAGE AND UTILITY PLAN AND PROFILE**

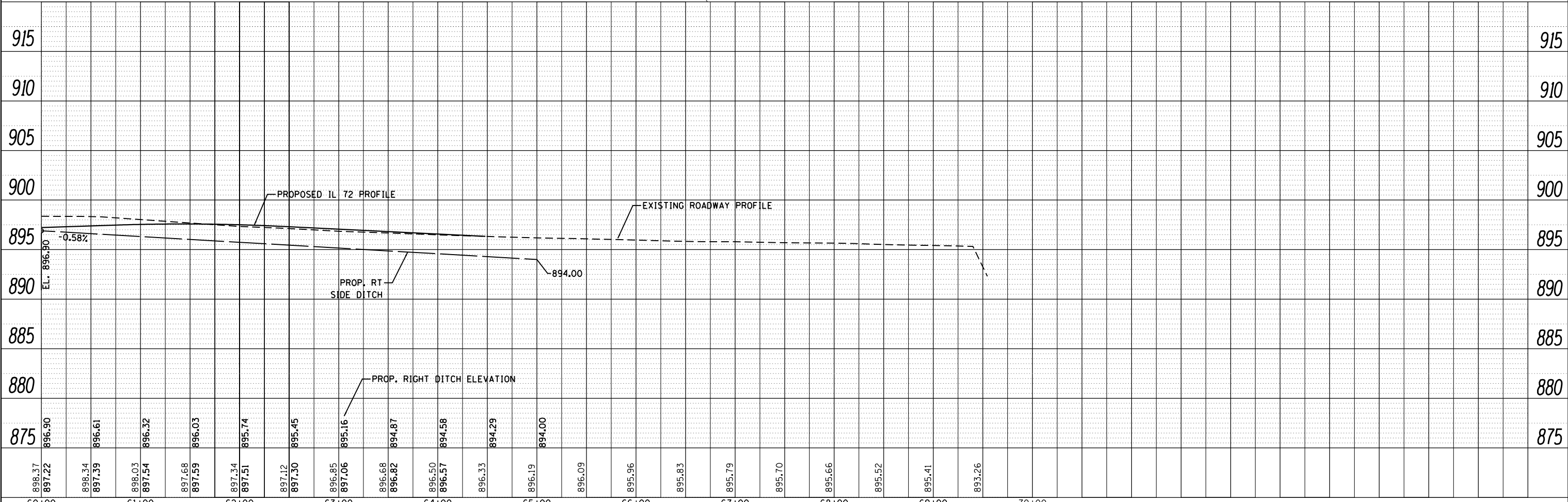
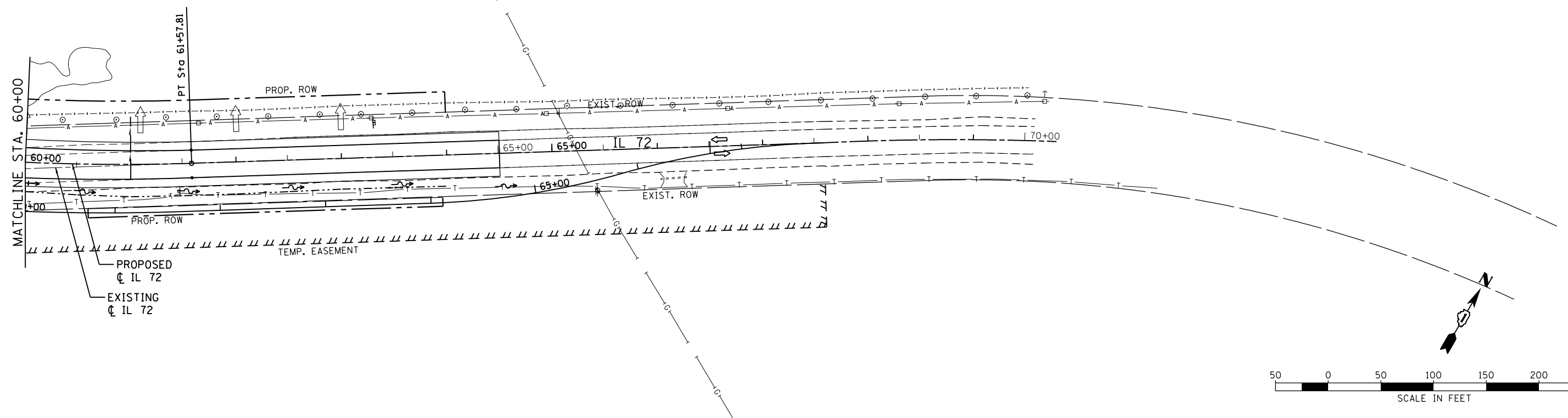
F.A.P. RT. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 58
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. 30+00 TO STA. 45+00



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

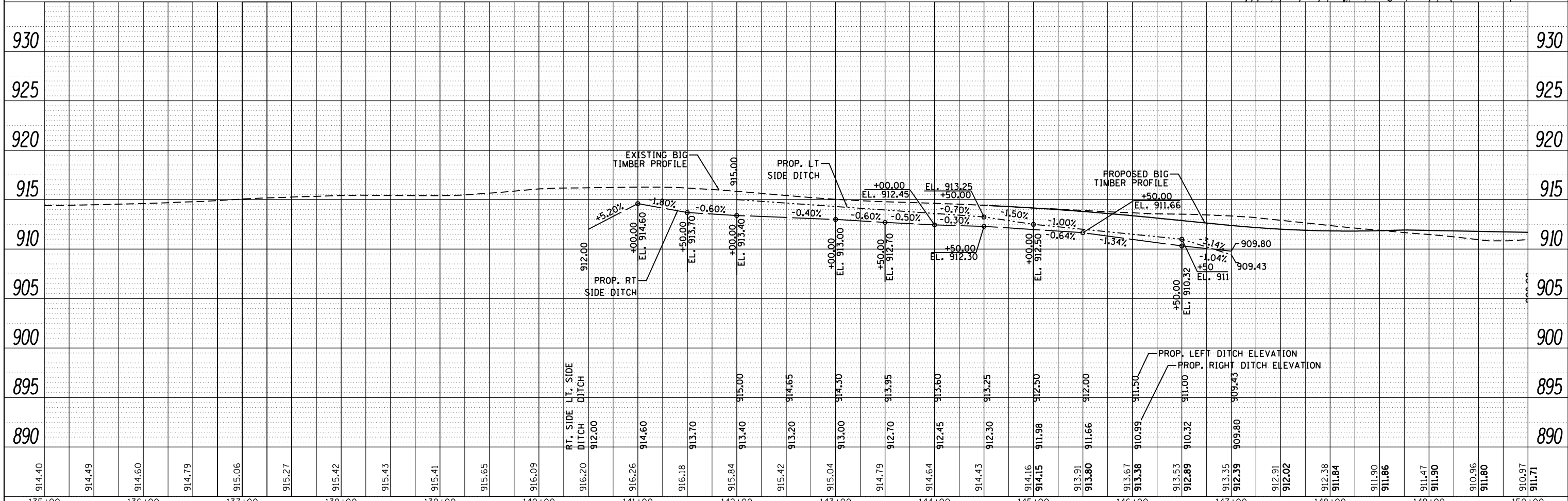
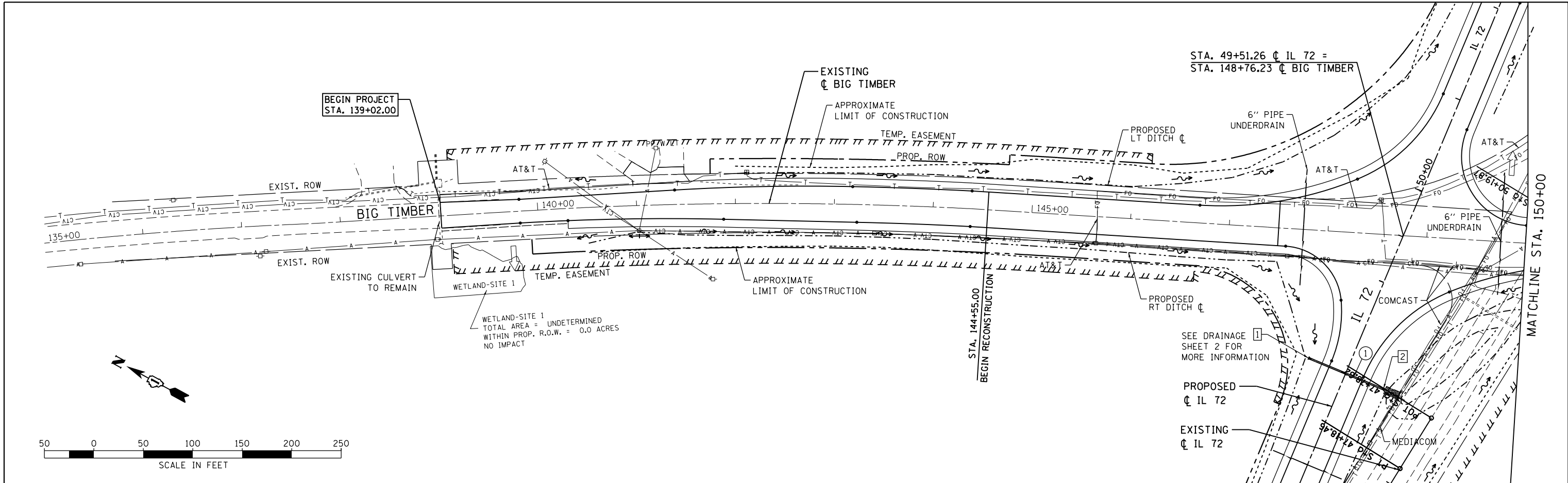
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	NOTATION CH'KD	



<b>GR@E</b> 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>DRAINAGE AND UTILITY PLAN AND PROFILE</b>		F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 60		
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 3	OF 5 SHEETS	STA. 60+00	TO STA. 70+00	CONTRACT NO. 62407			
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -		ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



914.40	914.49	914.60	914.79	915.06	915.27	915.42	915.43	915.41	915.65	916.09	916.20	916.26	916.18	915.84	915.42	915.04	914.79	914.64	914.43	914.16	914.15	913.91	913.80	913.67	913.38	913.53	912.89	913.35	912.39	912.91	912.02	912.38	911.84	911.90	911.86	911.47	911.90	910.96	911.80	910.97	911.71
135+00	136+00	137+00	138+00	139+00	140+00	141+00	142+00	143+00	144+00	145+00	146+00	147+00	148+00	149+00	150+00																										

**GR@EF**  
8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
DRAINAGE AND UTILITY PLAN AND PROFILE**

F.A.P. RT. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 61
CONTRACT NO. 62407				ILLINOIS FED. AID PROJECT

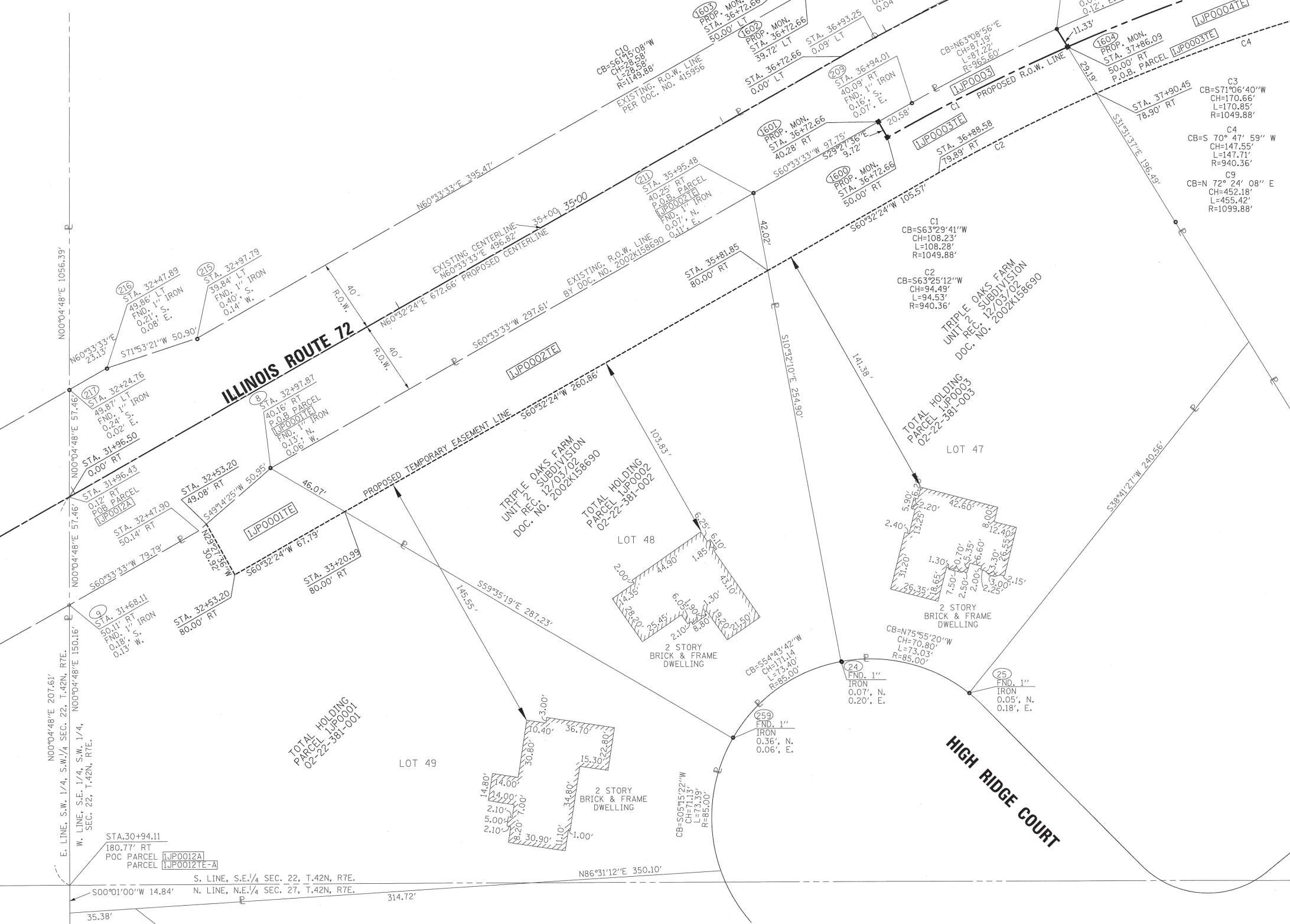
SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 135+00 TO STA. 150+00



PART OF THE SW 1/4 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JP0001TE	DAVID S. LUCHTMAN & JOSEPHINE S. LUCHTMAN	1.325	N/A	1.325	N/A	0.047	CONSTRUCTION	02-22-381-001	
1JP0002TE	SHILPA M. PARIKH & MAHESH H. PARIKH	1.029	N/A	1.029	N/A	0.255	CONSTRUCTION	02-22-381-002	
1JP0003	JEFFREY R. ZIEGLER & MELISSA A. ZIEGLER	1.312	0.026	1.286	N/A	N/A	N/A	02-22-381-003	
1JP0003TE			N/A	N/A	N/A	0.150	CONSTRUCTION		
1JP0012	CHICAGO TITLE AS SUCCESSOR TO NBD TRUST CO. OF ILLINOIS KNOWN AS LAND TRUST CO. TRUST NO. 4078-AH	25.570	A=1.829 B=0.019	23.722	A=1.301 B=0.004 165 SQ. FT.	N/A	N/A	02-22-300-019	
1JP0012TE-A 1JP0012TE-B			N/A	N/A	N/A	A=0.245 B=0.030	CONSTRUCTION		

SEE SHEET TO FOR TOTAL HOLDING OF PARCEL 1JP0012



LEGEND

SECTION CORNER 16 15 SECTION CORNER

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

GRAPHIC SCALE  
 FEET  
 0 50,100  
 20,40  
 30,60  
 SCALE: 1" = 30'

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

○ IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET      ● 5/8" REBAR SET

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

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

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

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

● PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON IN SECTION 22, TOWNSHIP 42 NORTH, AND RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
 LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
 SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.

ROBERT A. ROGINA  
 2017 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
 JOLIET, ILL. 61731

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782  
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
**IL. ROUTE 72 - AT BIG TIMBER ROAD**

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
 PROJECT: \_\_\_\_\_ JOB NO.: R-91-010-02  
 STATION: 32+50 TO STATION: 38+00  
 SCALE: 1=30' SHEET 2 OF 10

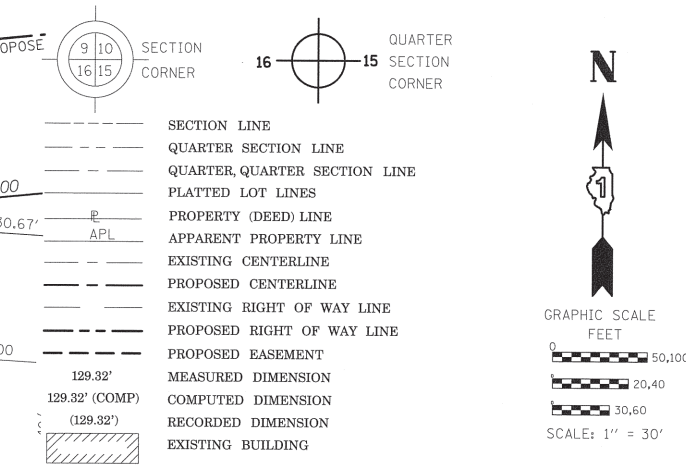
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

209 63

RECEIVED  
 MAR 20 2013  
 PLATS & LEGALS

PART OF THE SW 14 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- TI THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON IN SECTION 22, TOWNSHIP 42 NORTH, AND RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.



PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS  
93 Caterpillar Drive · Joliet, Illinois · 815/729-0777 · FAX 815/729-0782  
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001108

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**IL. ROUTE 72 - AT BIG TIMBER ROAD**  
LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
PROJECT: TO STATION: 45+00  
STATION: 38+00 TO STATION: 45+00  
SCALE: 1"=30' SHEET 3 OF 10

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJP0004	SANDRA WERNER	1.376	0.046	1.330	N/A	N/A	N/A	02-22-381-005	
IJP0004TE			N/A	N/A	N/A	0.116	CONSTRUCTION		
IJP0005	RAY J FARINELLA & LISA M. FARINELLA	1.324	0.043	1.281	N/A	N/A	N/A	02-22-381-006	
IJP0005TE			N/A	N/A	N/A	0.157	CONSTRUCTION		
IJP0006	PETER K. MAREK & BERNADETTE K. MAREK	1.123	0.013	1.110	N/A	N/A	N/A	02-22-381-007	
IJP0006TE			N/A	N/A	N/A	0.165	CONSTRUCTION		
IJP0007E	ANTHONY N. CHOMENKO & NANCY K. CHOMENKO	1.073	N/A	1.073	N/A	0.180	CONSTRUCTION	02-22-381-008	
IJP0012	CHICAGO TITLE AS SUCCESSOR TO NBD TRUST CO. OF ILLINOIS KNOWN AS LAND TRUST CO. TRUST NO. 4078-AH	25.570	A=1.829 B=0.019	23.722	A=1.301 B=0.004 165 SQ. FT.	N/A	N/A	02-22-300-019	
IJP0012TE-A IJP0012TE-B			N/A	N/A	N/A	A=0.245 B=0.030	CONSTRUCTION		

REVISION DATE: 03/18/13 REVISION: PER IDOT REVISIONS MADE BY: JCC/MRR

RECEIVED  
MAR 20 2013  
PLATS & LEGALS



PART OF THE SE 1/4 AND SW 1/4 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



**LEGEND**

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

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

GRAPHIC SCALE  
 0 50,100  
 0 20,40  
 0 30,60  
 SCALE: 1" = 30'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

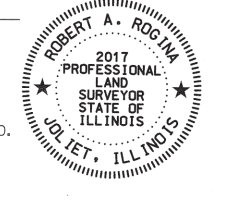
STATE OF ILLINOIS )  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON IN SECTION 22, TOWNSHIP 42 NORTH, AND RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
 LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
 SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.



PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782  
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 IL. ROUTE 72 - AT BIG TIMBER ROAD

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
 PROJECT: JOB NO.: R-91-010-02  
 STATION: 45+00 TO STATION: 50+00  
 SCALE: 1"=30' SHEET 4 OF 10

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JPO008TE	DANILO P. HIPOLITO & NOVA T. HIPOLITO	1.078	N/A	1.078	N/A	0.190	CONSTRUCTION	02-22-381-009	
1JPO009	TRIPLE OAKS FARM, UNIT 2 HOMEOWNERS ASSOCIATION	1.985	0.050	1.935	N/A	N/A	N/A	02-22-451-001	
1JPO009TE			N/A	N/A	N/A	0.131	CONSTRUCTION		

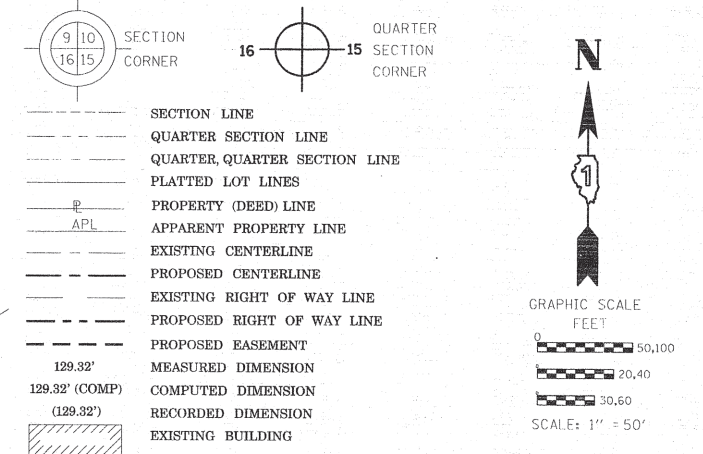
RECEIVED  
 MAR 20 2013  
 PLATS & LEGALS

PART OF THE SE 1/4 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JP0015	IH LAND CORP, AN ILLINOIS CORPORATION	273.916	3.438	270.478	0.465	N/A	N/A	02-22-300-017 02-22-400-011	
1JP0015TE-A 1JP0015TE-B		N/A	N/A	N/A	N/A	A=0.113 B=0.092	CONSTRUCTION	02-22-100-009 02-22-200-002	
1JP0017	HOME STATE BANK / NATIONAL ASSOCIATION, TRUST NO. 5141 ET AL	47.298	A=0.070 B=0.511	46.717	B=0.506	N/A	N/A	02-22-400-010	
1JP0017TE-A 1JP0017TE-B		N/A	N/A	N/A	N/A	A=0.956 B=0.102	CONSTRUCTION		

SEE SHEET 10 FOR TOTAL HOLDING OF PARCEL 1JP0015 & 1JP0017

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

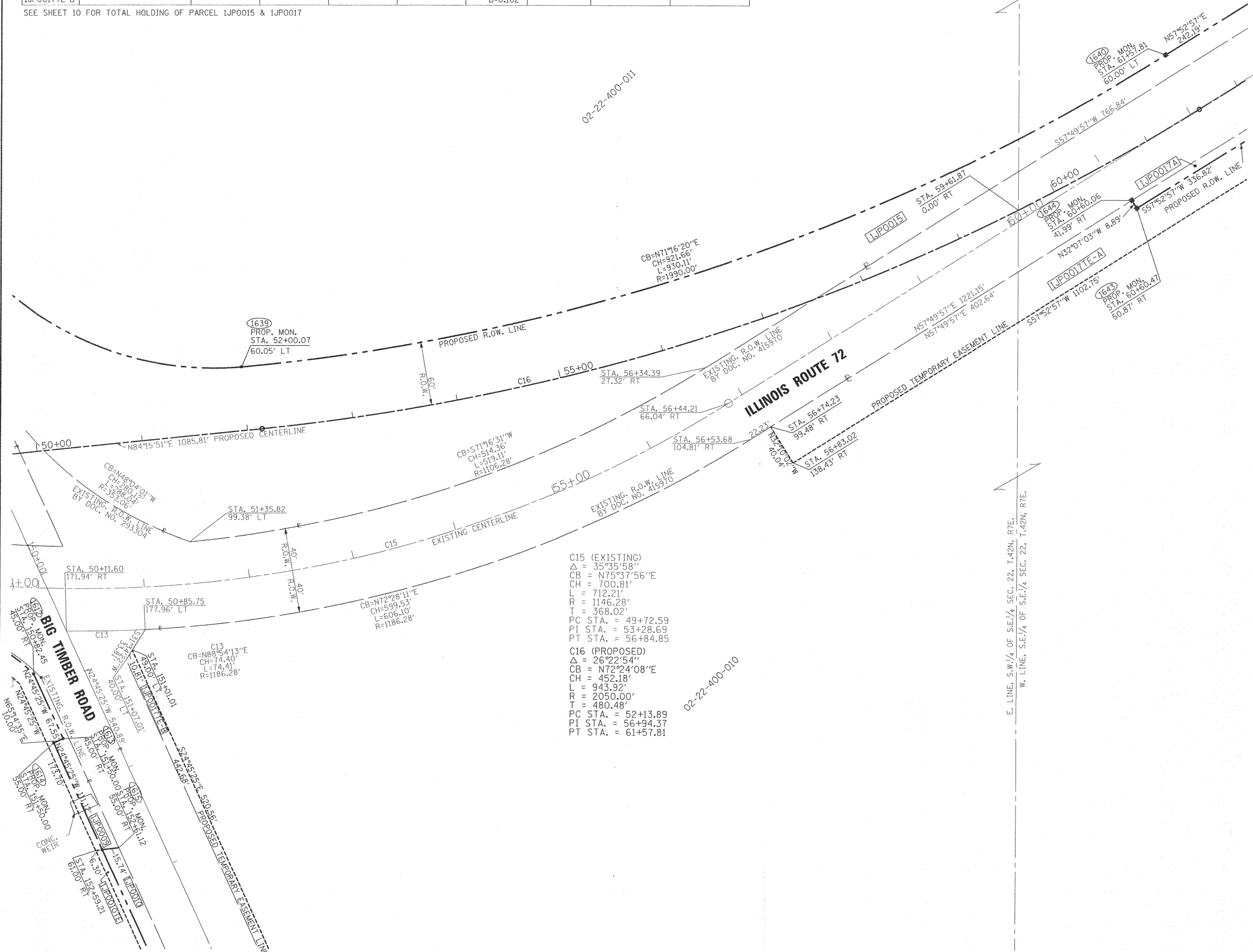
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS )  
COUNTY OF WILL )  
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DATED AT JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.



C15 (EXISTING)  
Δ = 35°35'58"  
CB = N75°37'56"E  
CH = 700.81'  
L = 712.21'  
R = 1146.28'  
T = 368.02'  
PC STA. = 49+72.59  
PI STA. = 53+28.69  
PT STA. = 56+84.85

C16 (PROPOSED)  
Δ = 26°22'54"  
CB = N72°24'08"E  
CH = 452.18'  
L = 943.92'  
R = 2050.00'  
T = 480.48'  
PC STA. = 52+13.89  
PI STA. = 56+94.37  
PT STA. = 61+57.81

RECEIVED  
JUL 16 2013

PLATS & LEGALS

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS  
93 Caterpillar Drive · Joliet, Illinois · 815/729-0777 · FAX 815/729-0782  
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001108

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
IL. ROUTE 72 - AT BIG TIMBER ROAD

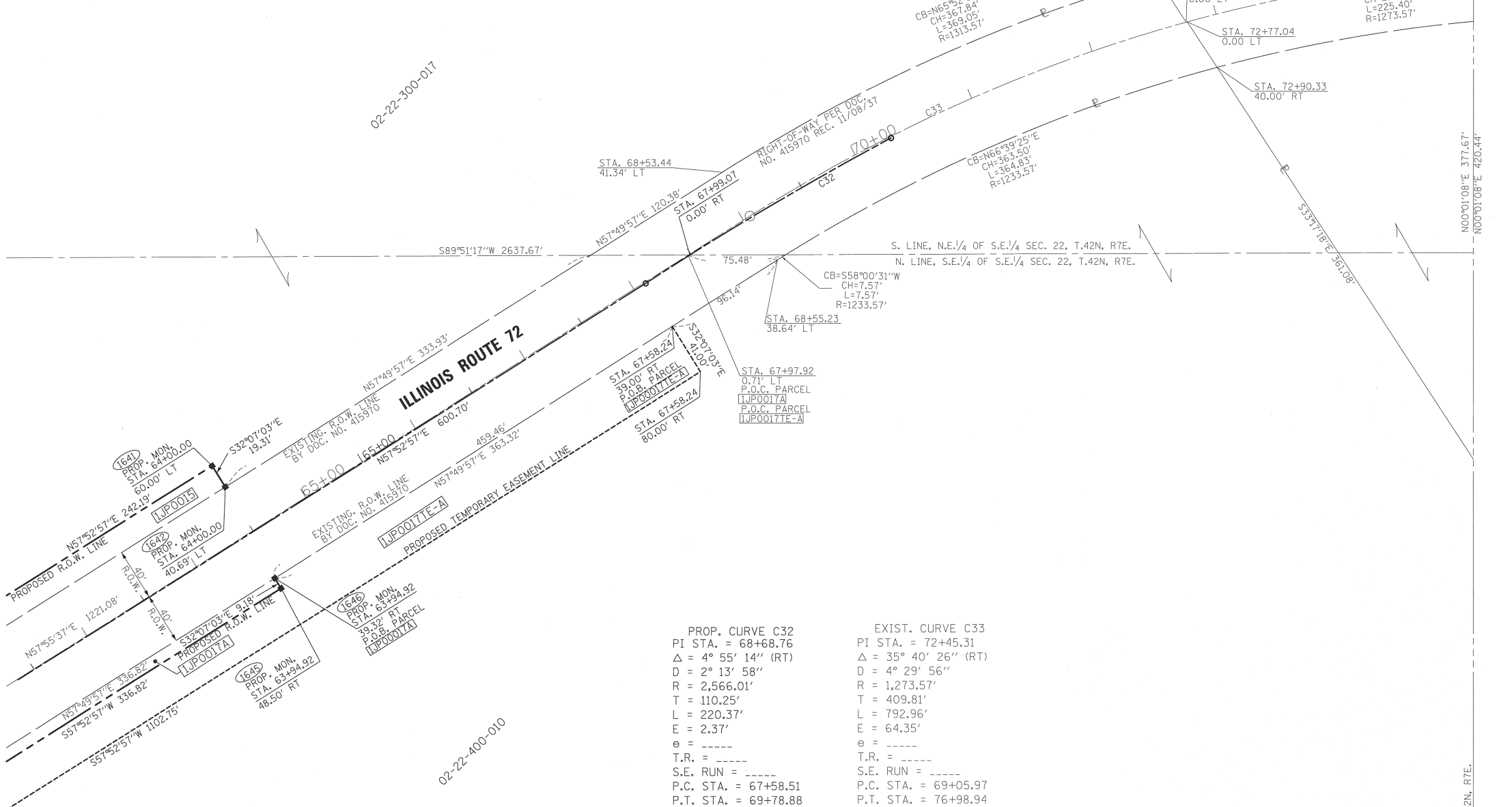
LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
PROJECT: JOB NO.: R-91-010-02  
STATION: 50+00 TO STATION: 62+00  
SCALE: 1"=50' SHEET 5 OF 10

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

PART OF THE SE 1/4 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JP0015	IH LAND CORP, AN ILLINOIS CORPORATION	104.516	3.438	101.078	0.465	N/A	N/A	02-22-300-017	
1JP0015TE-A 1JP0015TE-B		N/A	N/A	N/A	N/A	A=0.113 B=0.092	CONSTRUCTION	02-22-400-011	
1JP0017	HOME STATE BANK / NATIONAL ASSOCIATION, TRUST NO. 5141 ET AL	47.298	A=0.070 B=0.511	46.717	B=0.506	N/A	N/A	02-22-400-010	
1JP0017TE-A 1JP0017TE-B		N/A	N/A	N/A	N/A	A=0.956 B=0.102	CONSTRUCTION		

SEE SHEET 10 FOR TOTAL HOLDING OF PARCEL 1JP0015 & 1JP0017



PROP. CURVE C32  
 PI STA. = 68+68.76  
 Δ = 4° 55' 14" (RT)  
 D = 2° 13' 58"  
 R = 2,566.01'  
 T = 110.25'  
 L = 220.37'  
 E = 2.37'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 67+58.51  
 P.T. STA. = 69+78.88

EXIST. CURVE C33  
 PI STA. = 72+45.31  
 Δ = 35° 40' 26" (RT)  
 D = 4° 29' 56"  
 R = 1,273.57'  
 T = 409.81'  
 L = 792.96'  
 E = 64.35'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 69+05.97  
 P.T. STA. = 76+98.94

**LEGEND**

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

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

GRAPHIC SCALE: 0, 50, 100 FEET  
 0, 20, 40, 60, 80 FEET  
 SCALE: 1" = 50'

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS )  
 COUNTY OF WILL )

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DATED AT JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
 LICENSE EXPIRATION DATE: 11/30/14

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ROBERT A. ROGINA  
 2017 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
 JOLIET, ILLINOIS

RECEIVED  
 MAR 20 2013  
 PLATS & LEGALS

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive · Joliet, Illinois · 815/729-0777 · FAX 815/729-0782  
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

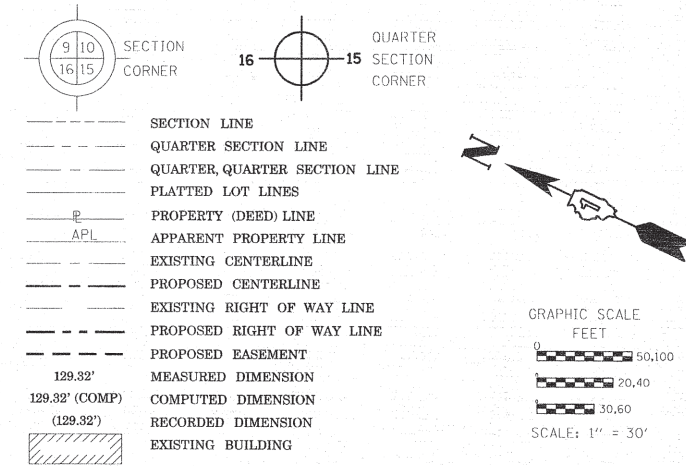
**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 IL. ROUTE 72 - AT BIG TIMBER ROAD

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
 PROJECT: JOB NO.: R-91-010-02  
 STATION: 62+00 TO STATION: 75+00  
 SCALE: 1"=50' SHEET 6 OF 10

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

PART OF THE SE 1/4 AND SW 1/4 OF SECTION 22, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

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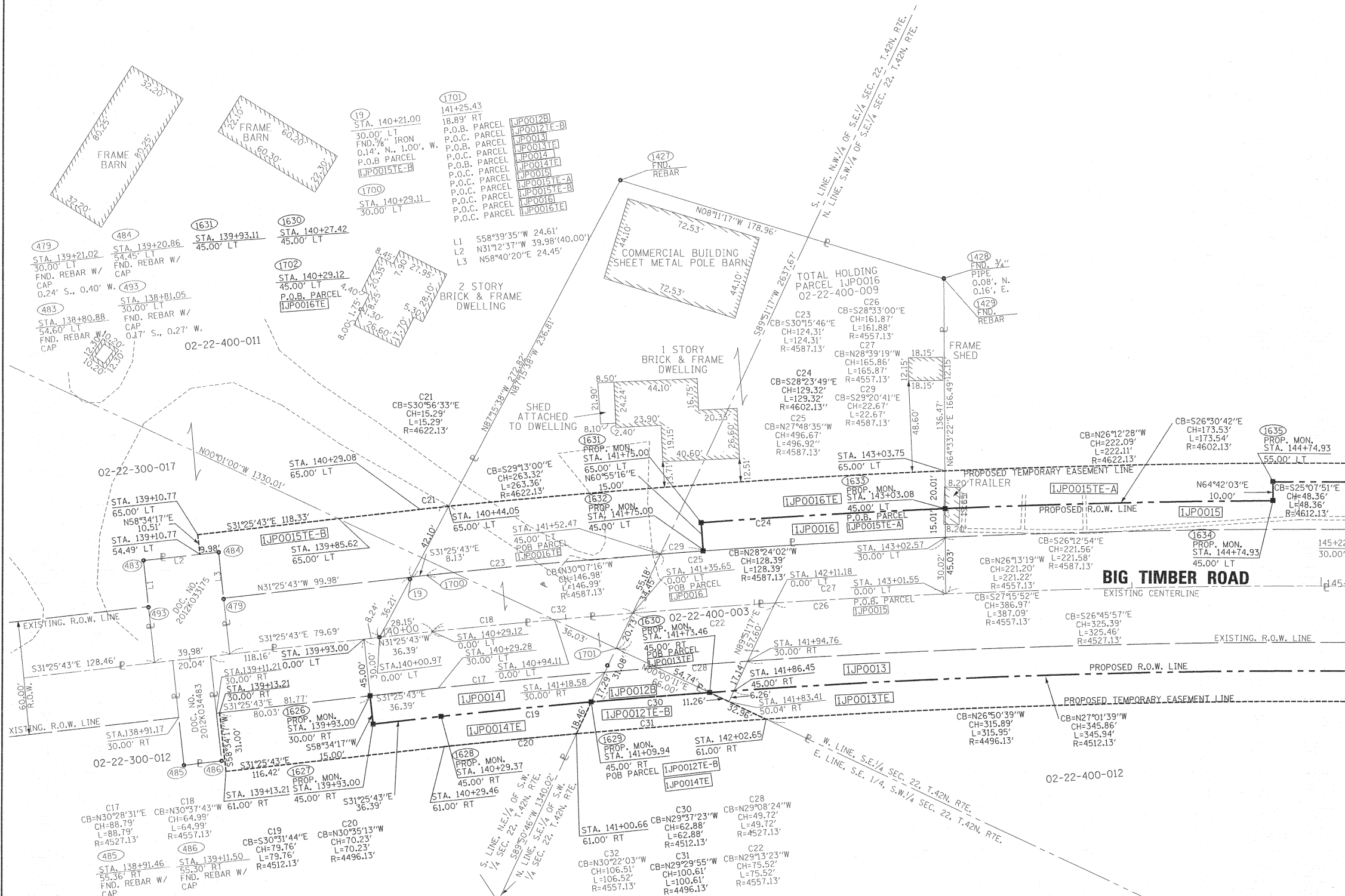
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IJP0012	CHICAGO TITLE AS SUCCESSOR TO NBD TRUST CO. OF ILLINOIS KNOWN AS LAND TRUST CO. TRUST NO. 4078-AH	25.570	A=1.829 B=0.019	23.722	A=1.301 B=0.004 165 SQ. FT.	N/A	N/A	02-22-300-019	
IJP0012TE-A IJP0012TE-B			N/A	N/A	N/A	A=0.245 B=0.030	CONSTRUCTION		
IJP0013	THE ROBERT M. DAMISCH TRUST	3.867	2.012	1.855	0.950	N/A	N/A	02-22-400-003 02-22-400-012	
IJP0013TE			N/A	N/A	N/A	0.200	CONSTRUCTION		
IJP0014	FIRST AMERICAN BANK TRUST NO. 1-93-140	26.254	0.125	26.129	0.083	N/A	N/A	02-22-300-012	
IJP0014TE			N/A	N/A	N/A	0.098	CONSTRUCTION		
IJP0015	IH LAND CORP, AN ILLINOIS CORPORATION	273.916	3.438	270.478	0.465	N/A	N/A	02-22-300-017 02-22-400-011 02-22-100-009 02-22-200-002	
IJP0015TE-A IJP0015TE-B			N/A	N/A	N/A	A=0.113 B=0.092	CONSTRUCTION		
IJP0016	JOSE GUIJARRO	1.112	0.245	0.867	0.201	N/A	N/A	02-22-400-009	
IJP0016TE			N/A	N/A	N/A	0.175	CONSTRUCTION		

RECEIVED  
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PLATS & LEGALS

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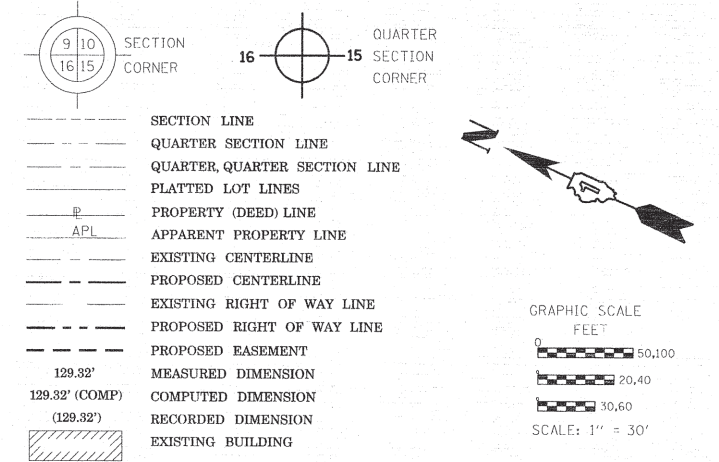
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
IL. ROUTE 72 - AT BIG TIMBER ROAD

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
PROJECT: JOB NO.: R-91-010-02  
STATION: 139+00 TO STATION: 145+00  
SCALE: 1=30' SHEET 7 OF 10

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

SEE SHEET 5

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

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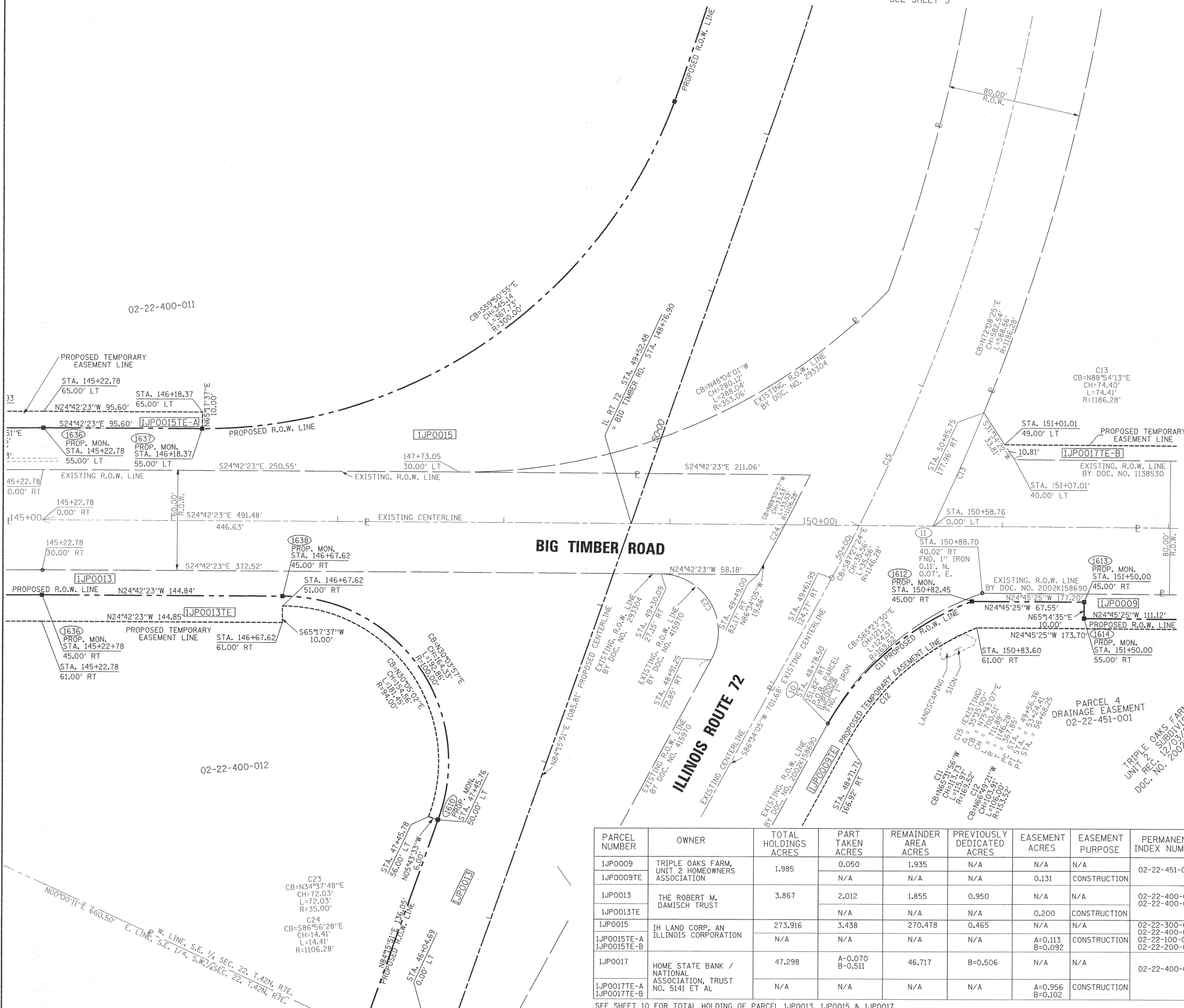
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PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JP0009	TRIPLE OAKS FARM, UNIT 2 HOMEOWNERS ASSOCIATION	1.985	0.050	1.935	N/A	N/A	N/A	02-22-451-001	
1JP0009TE			N/A	N/A	N/A	0.131	CONSTRUCTION		
1JP0013	THE ROBERT M. DAMISCH TRUST	3.867	2.012	1.855	0.950	N/A	N/A	02-22-400-003 02-22-400-012	
1JP0013TE			N/A	N/A	N/A	0.200	CONSTRUCTION		
1JP0015	IH LAND CORP, AN ILLINOIS CORPORATION	273.916	3.438	270.478	0.465	N/A	N/A	02-22-300-017 02-22-400-011 02-22-100-009 02-22-200-002	
1JP0015TE-A 1JP0015TE-B		N/A	N/A	N/A	N/A	A=0.113 B=0.092	CONSTRUCTION		
1JP0017	HOME STATE BANK / NATIONAL ASSOCIATION, TRUST NO. 5141 ET AL	47.298	A=0.070 B=0.511	46.717	B=0.506	N/A	N/A	02-22-400-010	
1JP0017TE-A 1JP0017TE-B		N/A	N/A	N/A	N/A	A=0.956 B=0.102	CONSTRUCTION		

SEE SHEET 10 FOR TOTAL HOLDING OF PARCEL 1JP0013, 1JP0015 & 1JP0017  
REVISION DATE: 07/12/13  
REVISION: REVISE 1JP0015 TOTAL HOLDING  
MADE BY: JCC/MRR

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS  
93 Caterpillar Drive - Joliet, Illinois - 815/729-0777 - FAX 815/729-0782  
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
IL. ROUTE 72 - AT BIG TIMBER ROAD

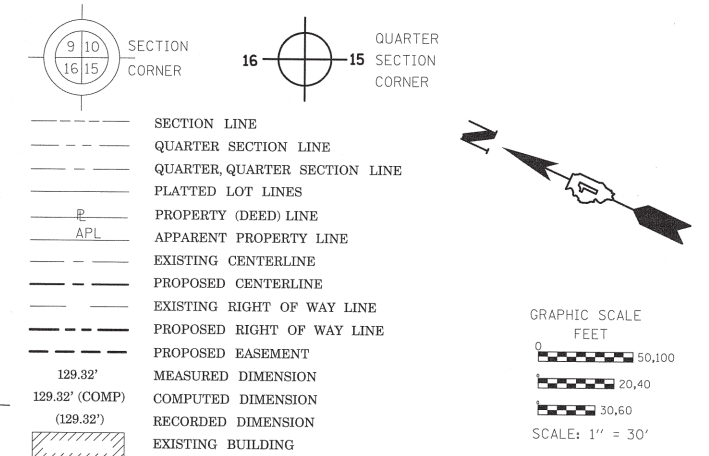
LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
PROJECT: STATION: 145+00 TO STATION: 152+00  
SCALE: 1=30' SHEET 8 OF 10

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

RECEIVED  
JUL 16 2013  
PLATS & LEGALS

PART OF THE SE 1/4 OF SECTION 22 AND THE NE 1/4 OF SECTION 27, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

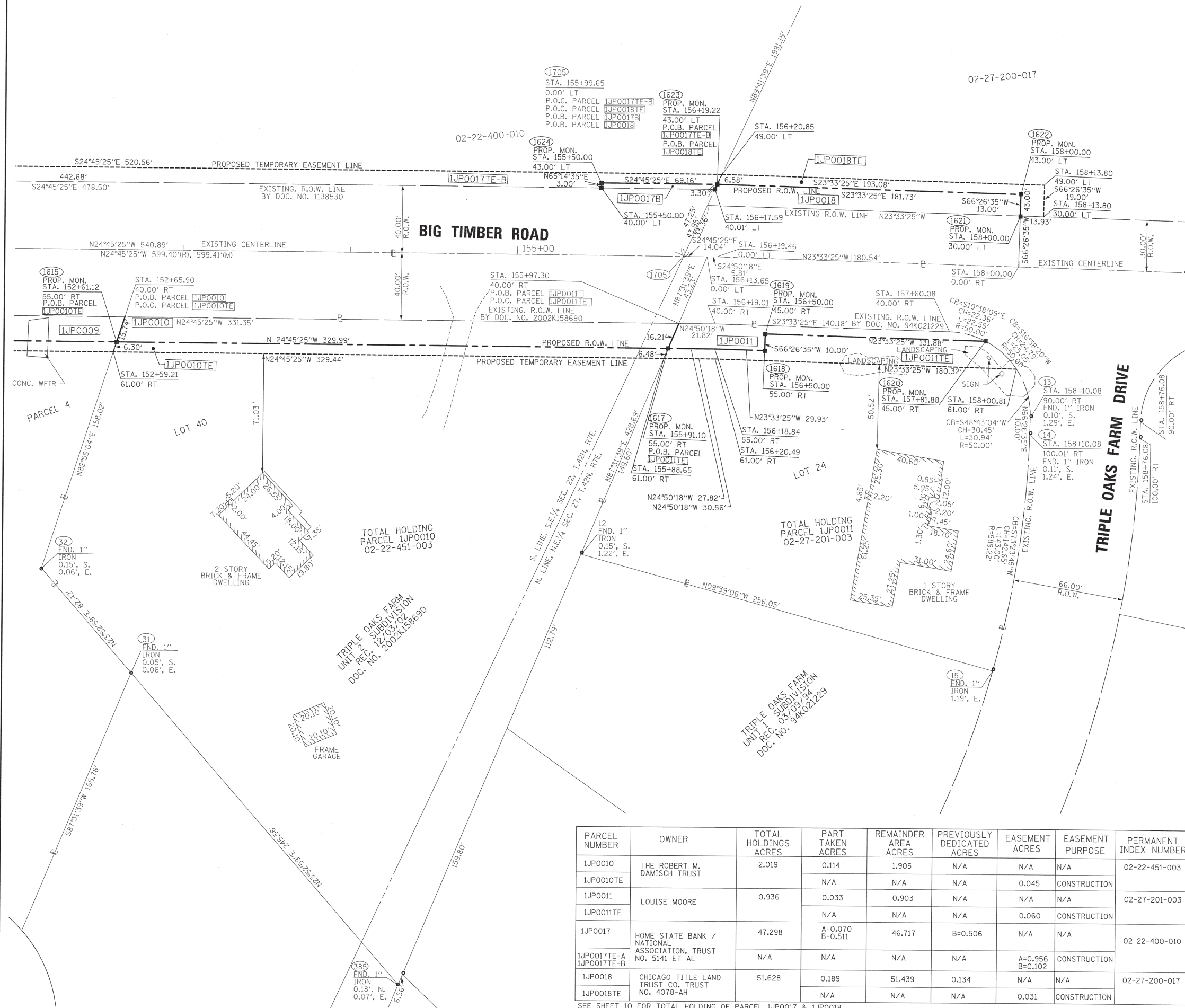
- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 COUNTY OF WILL )  
 THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON IN SECTION 22, TOWNSHIP 42 NORTH, AND RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 JOLIET, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
 LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
 SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	REMAINDER AREA ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JPO010	THE ROBERT M. DAMISCH TRUST	2.019	0.114	1.905	N/A	N/A	N/A	02-22-451-003	
1JPO010TE			N/A	N/A	N/A	0.045	CONSTRUCTION		
1JPO011	LOUISE MOORE	0.936	0.033	0.903	N/A	N/A	N/A	02-27-201-003	
1JPO011TE			N/A	N/A	N/A	0.060	CONSTRUCTION		
1JPO017	HOME STATE BANK / NATIONAL ASSOCIATION, TRUST NO. 5141 ET AL	47.298	A-0.070 B-0.511	46.717	B=0.506	N/A	N/A	02-22-400-010	
1JPO017E-A 1JPO017E-B			N/A	N/A	N/A	N/A	A=0.956 B=0.102		
1JPO018	CHICAGO TITLE LAND TRUST CO. TRUST NO. 4078-AH	51.628	0.189	51.439	0.134	N/A	N/A	02-27-200-017	
1JPO018E			N/A	N/A	N/A	0.031	CONSTRUCTION		

SEE SHEET 10 FOR TOTAL HOLDING OF PARCEL 1JPO017 & 1JPO018  
 REVISION DATE: 03/18/13

REVISION: PER IDOT REVISIONS

MADE BY: JCC/MRR

RECEIVED  
 MAR 20 2013  
 PLATS & LEGALS

PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
 ENGINEERS SURVEYORS PLANNERS  
 93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782  
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 IL. ROUTE 72 - AT BIG TIMBER ROAD

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
 PROJECT: JOB NO.: R-91-010-02  
 STATION: 152+10 TO STATION: 159+00  
 SCALE: 1=30' SHEET 9 OF 10

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

PART OF THE SE 1/4 AND SW 1/4 OF SECTION 22 AND THE NE 1/4 OF SECTION 27, TWP. 42N., R. 7E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

SEE DETAIL FOR PARCEL 1JPO015 ADDITIONAL TOTAL HOLDINGS

LEGEND

SECTION CORNER  
QUARTER SECTION CORNER

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

GRAPHIC SCALE  
FEET  
0 50.00  
20.40  
30.60  
SCALE: 1" = 200'

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT I, ROBERT A. ROGINA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HERE ON IN SECTION 22, TOWNSHIP 42 NORTH, AND RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE 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 JOLIET, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2017  
LICENSE EXPIRATION DATE: 11/30/14

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS STANDARDS FOR A BOUNDARY SURVEY  
SHEET ONE IS A COVER SHEET AND IS NOT RECORDED.



PREPARED BY: **ROGINA & ASSOCIATES, LTD.**  
ENGINEERS SURVEYORS PLANNERS  
93 Caterpillar Drive • Joliet, Illinois • 815/729-0777 • FAX 815/729-0782  
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001106

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
IL. ROUTE 72 - AT BIG TIMBER ROAD

LIMITS: @ BIG TIMBER RD. COUNTY: KANE  
PROJECT: JOB NO.: R-91-010-02  
STATION: TO STATION:  
SCALE: 1" = 200' SHEET 10 OF 10

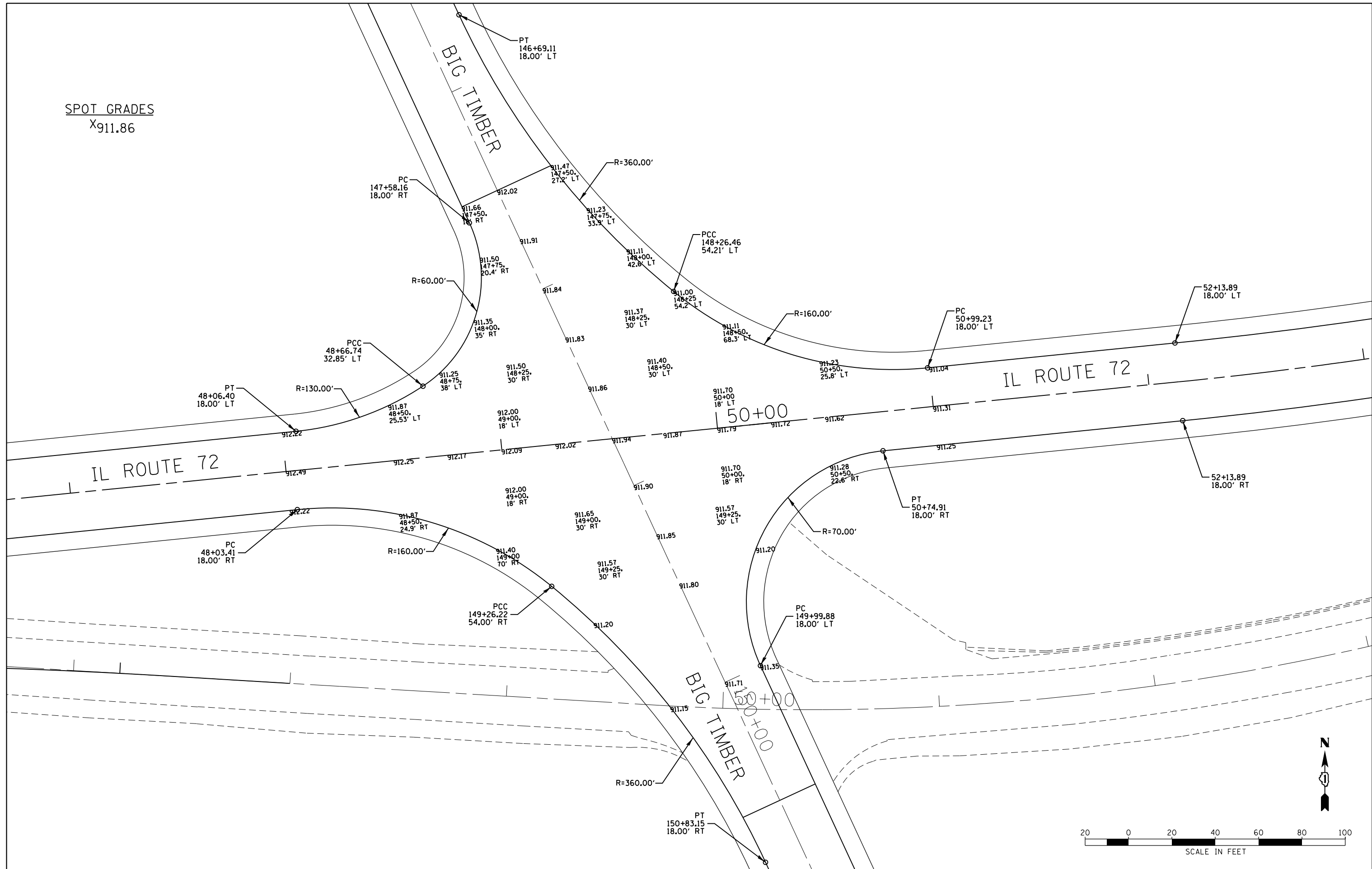
BUREAU OF LAND ACQUISITION 209 71  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

RECEIVED  
JUL 16 2013  
PLATS & LEGALS

REVISION DATE: 07/12/13 S 89° 40' 49.79" W 1435.18' REVISION: REVISE 1JPO015 TOTAL HOLDING

MADE BY: JCC/MRR

SPOT GRADES  
X911.86



**GRAEF** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

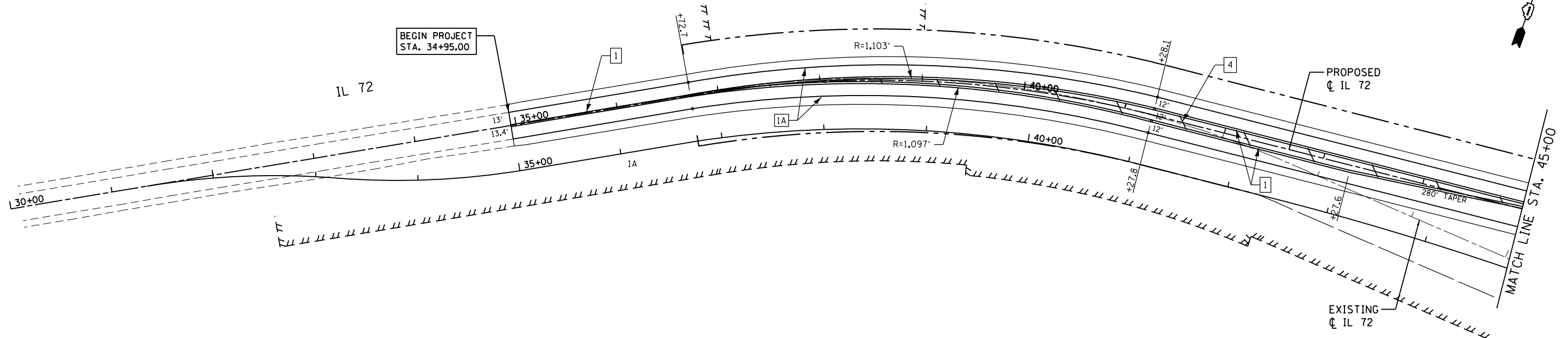
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
INTERSECTION GRADING**

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

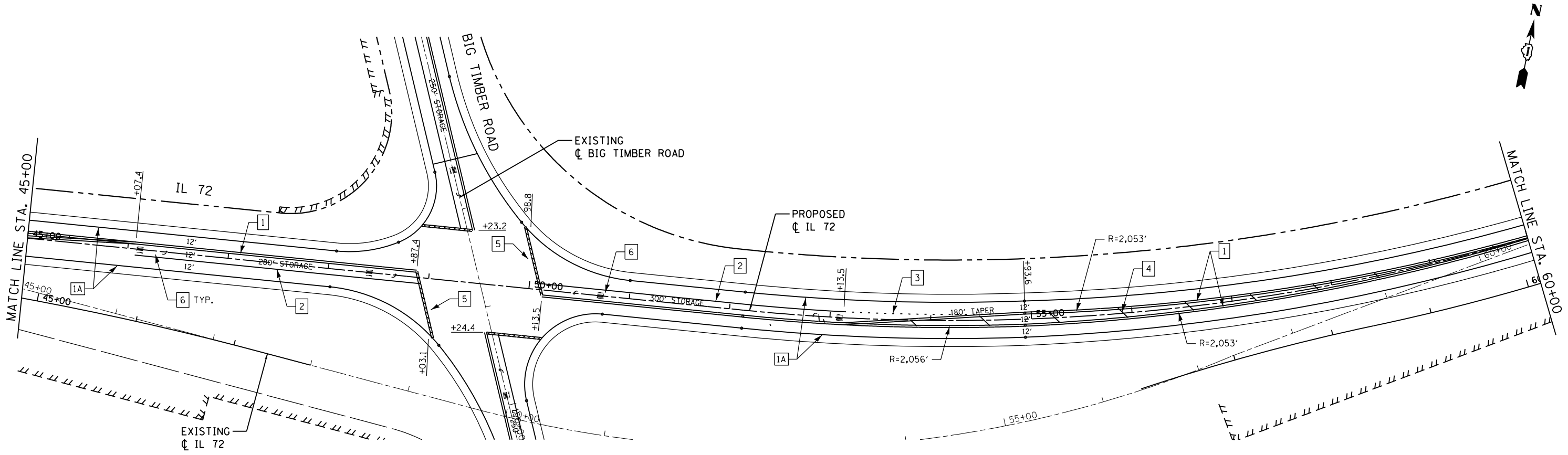
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	72
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE @ 11" C-C
- 1A THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINES
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH, 6' SKIP
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
- 6 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS



**GR&EF**  
 8501 N. Higgins Road Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

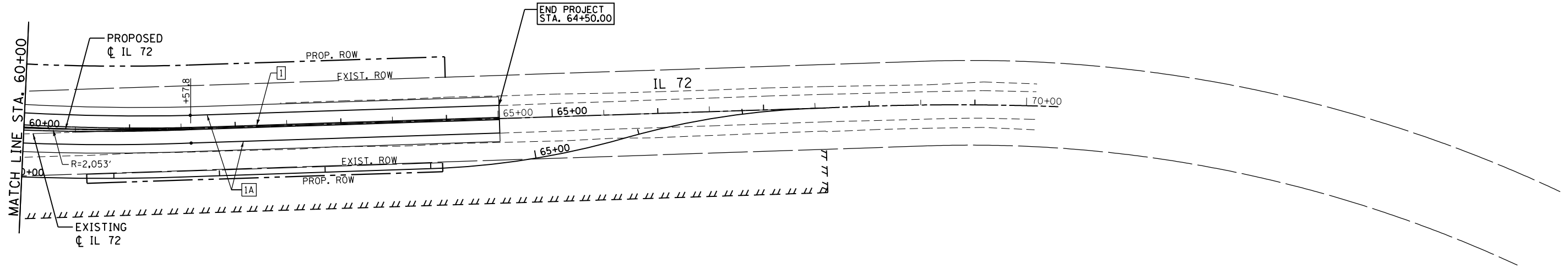
USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 PAVEMENT MARKING PLAN**

SCALE: 1"=50'    SHEET 1 OF 3 SHEETS    STA. 30+00 TO STA. 60+00

F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 73
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE @ 11" C-C

1A THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINES

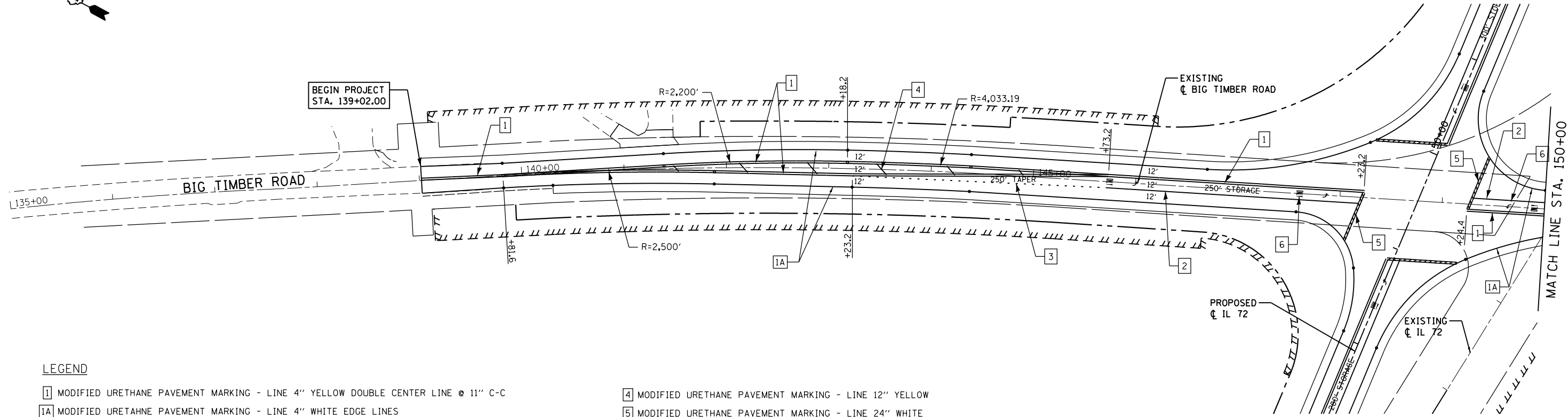
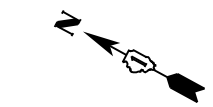
2 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE

3 THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE 2' DASH, 6' SKIP
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW

5 THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE

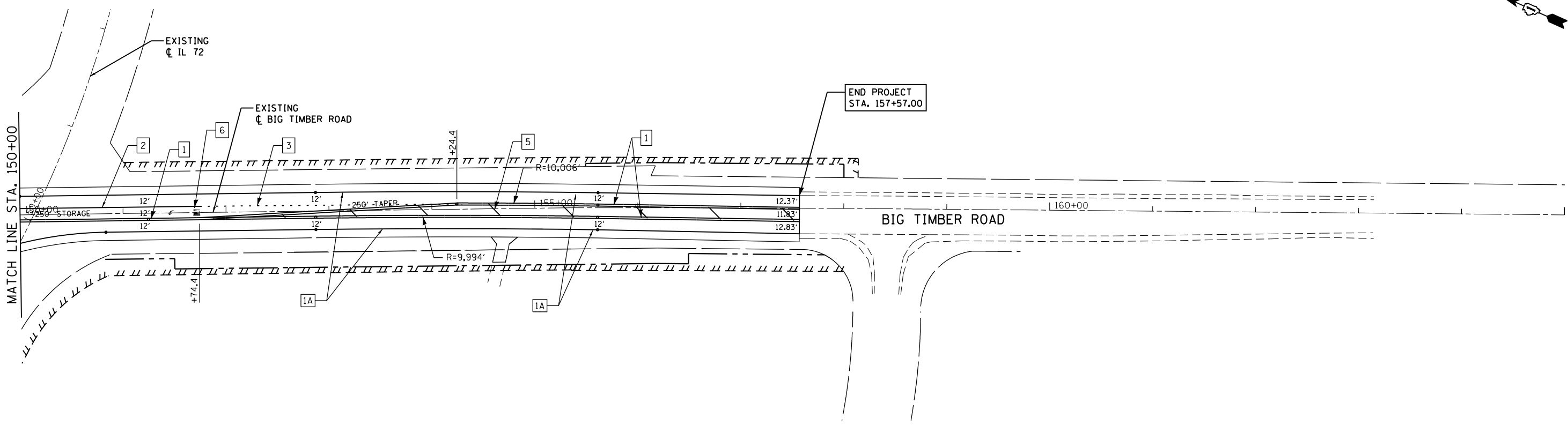
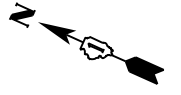
6 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD PAVEMENT MARKING PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			341	109N-3	KANE	209	74
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -			CONTRACT NO. 62407		ILLINOIS FED. AID PROJECT		
				SCALE: 1"=50'	SHEET 2 OF 3 SHEETS	STA. 60+00 TO STA. 70+00				



**LEGEND**

- 1 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE @ 11" C-C
- 1A MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE EDGE LINES
- 2 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE
- 3 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE 2' DASH, 6' SKIP
- 4 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" YELLOW
- 5 MODIFIED URETHANE PAVEMENT MARKING - LINE 24" WHITE
- 6 MODIFIED URETHANE PAVEMENT MARKING - LETTERS & SYMBOLS



**GR&EF**  
 8501 N. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

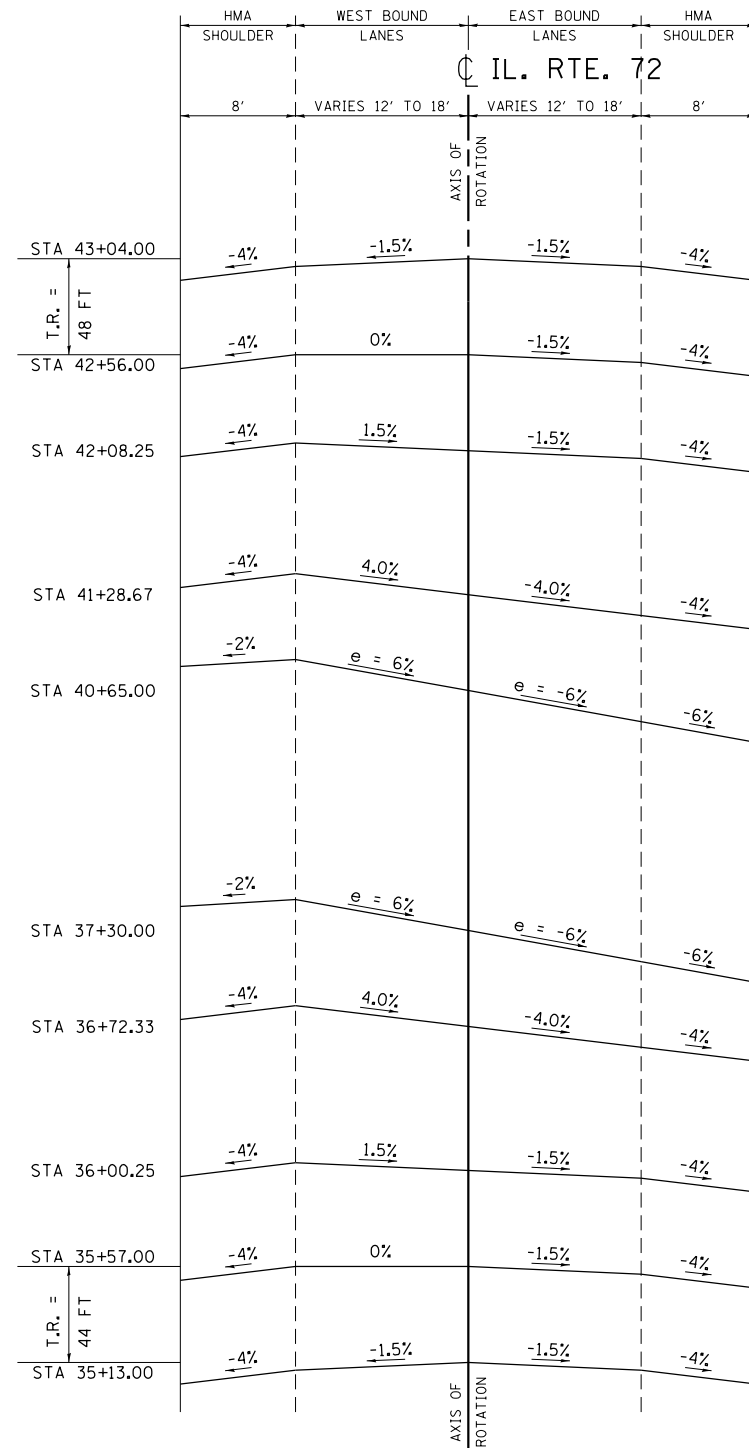
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 PAVEMENT MARKING PLAN**

SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 135+00 TO STA. 165+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	75
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				

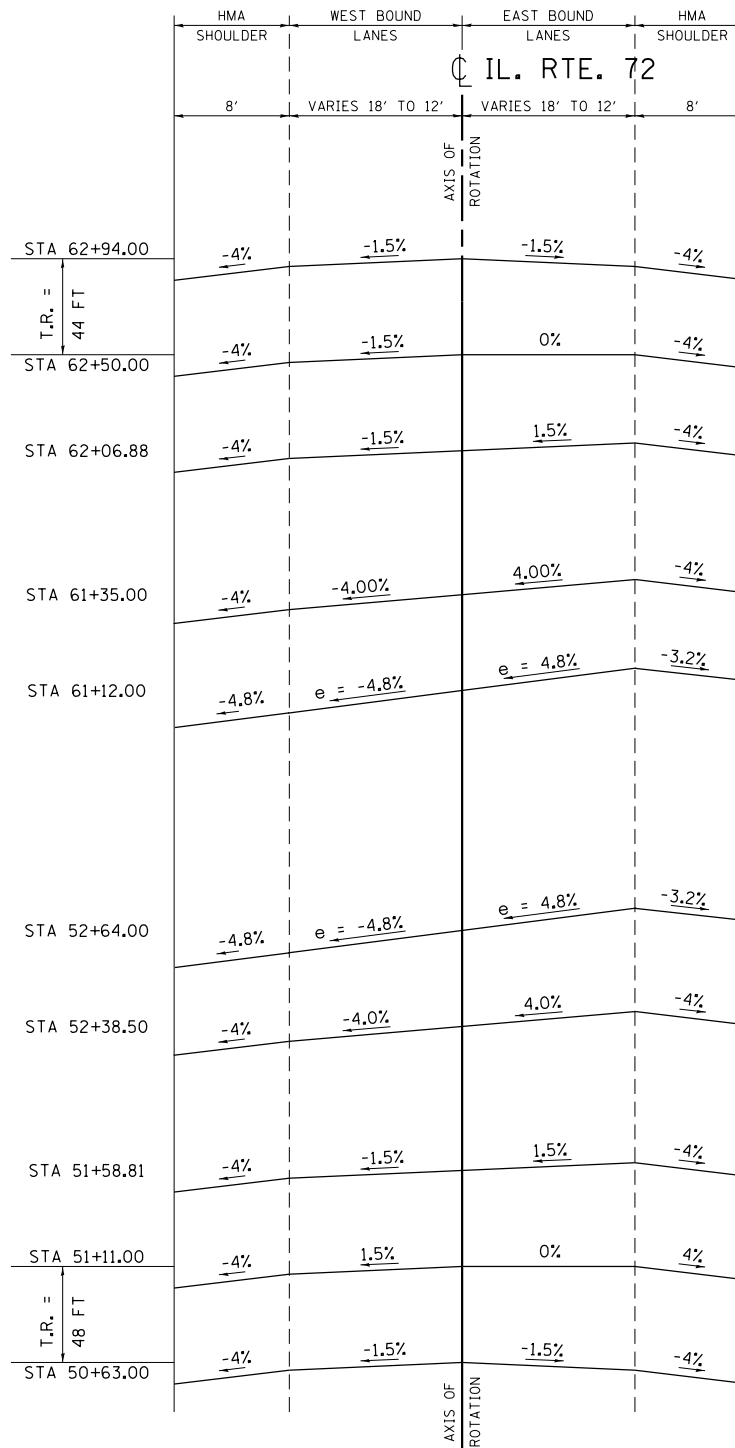
IL 72



NOTE:  
ROUND ALL EDGE BREAKPOINTS IN FIELD

S.E. TRANSITION SECTIONS AT PROP. CURVE 'P\_IL72-1'

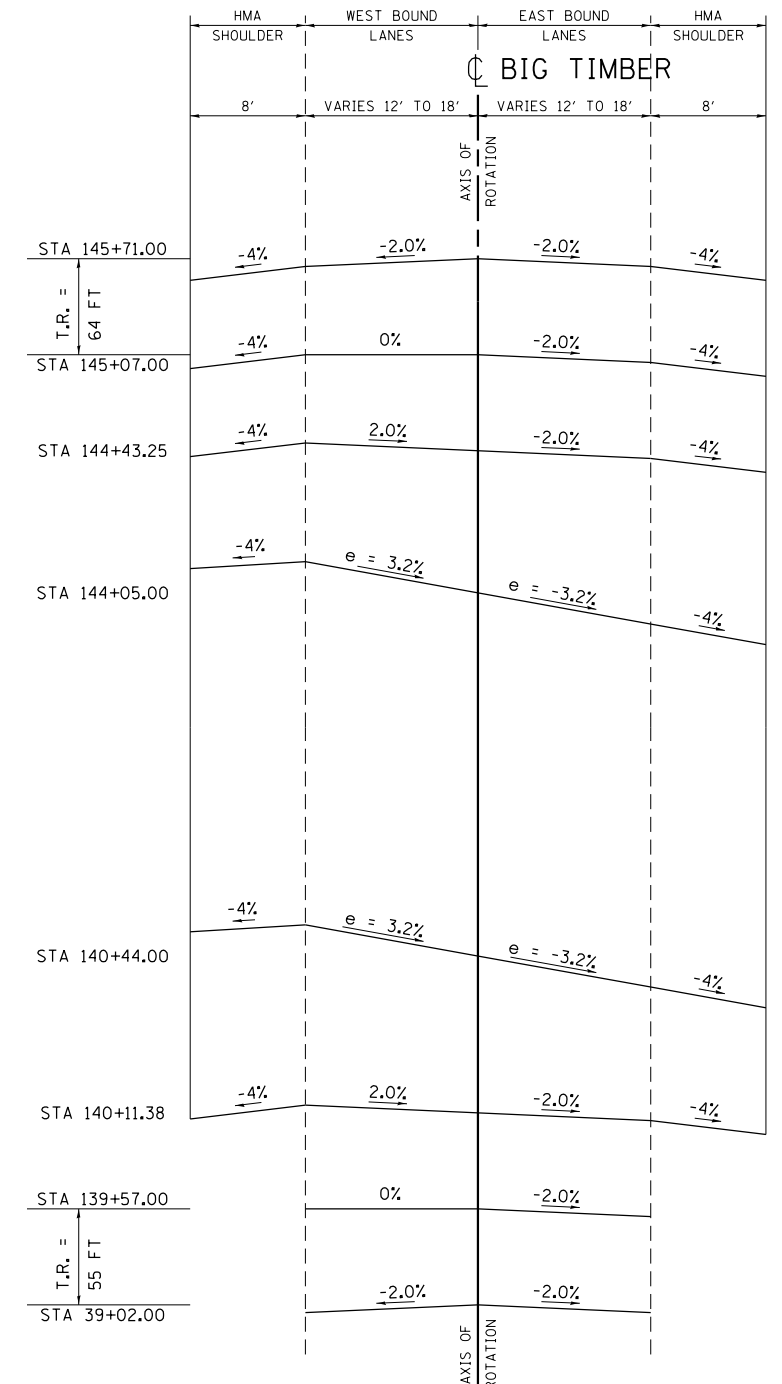
IL 72



NOTE:  
ROUND ALL EDGE BREAKPOINTS IN FIELD

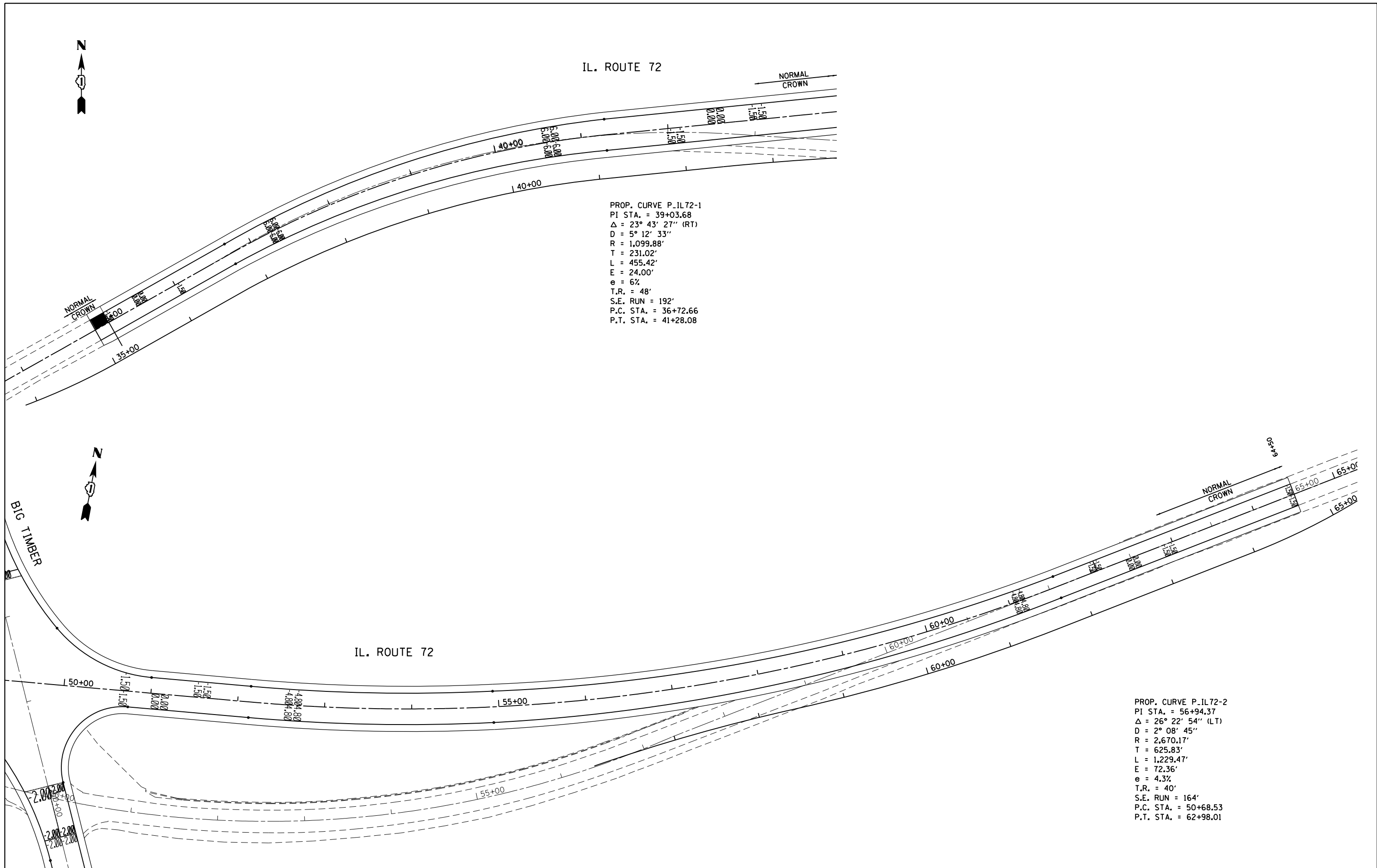
S.E. TRANSITION SECTIONS AT PROP. CURVE 'P\_IL72-2'

BIG TIMBER



NOTE:  
ROUND ALL EDGE BREAKPOINTS IN FIELD

S.E. TRANSITION SECTIONS AT EXISTING CURVE 'E\_TIMBER-3'



PROP. CURVE P\_IL72-1  
 PI STA. = 39+03.68  
 $\Delta$  = 23° 43' 27" (RT)  
 D = 5° 12' 33"  
 R = 1,099.88'  
 T = 231.02'  
 L = 455.42'  
 E = 24.00'  
 e = 6%  
 T.R. = 48'  
 S.E. RUN = 192'  
 P.C. STA. = 36+72.66  
 P.T. STA. = 41+28.08

PROP. CURVE P\_IL72-2  
 PI STA. = 56+94.37  
 $\Delta$  = 26° 22' 54" (LT)  
 D = 2° 08' 45"  
 R = 2,670.17'  
 T = 625.83'  
 L = 1,229.47'  
 E = 72.36'  
 e = 4.3%  
 T.R. = 40'  
 S.E. RUN = 164'  
 P.C. STA. = 50+68.53  
 P.T. STA. = 62+98.01

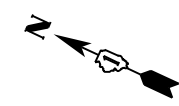


USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/17/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

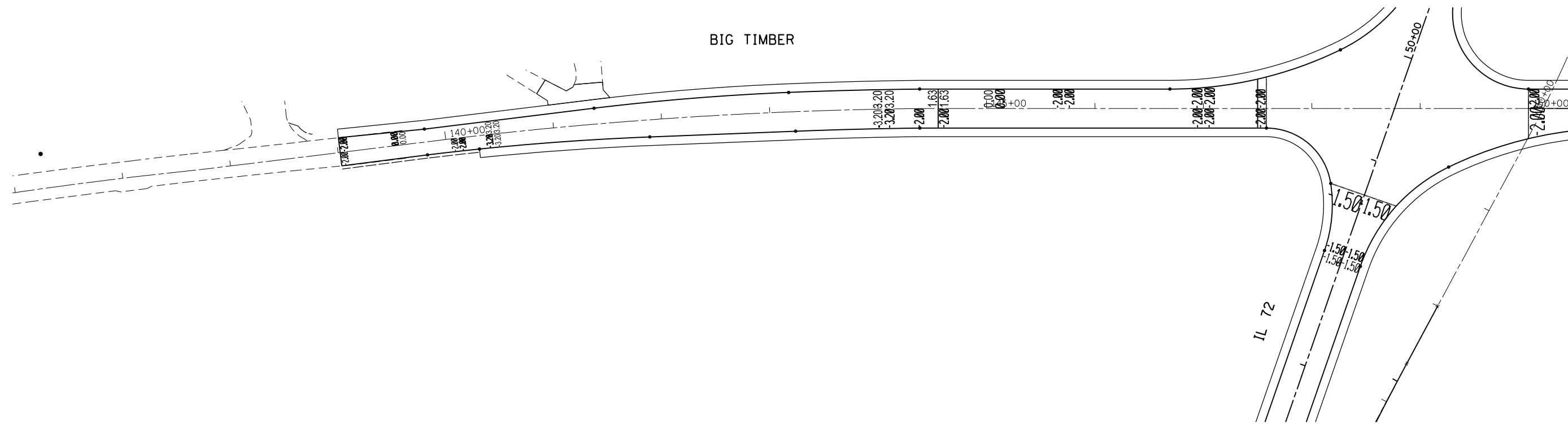
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 72 AT BIG TIMBER ROAD</b>		
<b>S.E. TRANSITION SECTIONS AND PAVEMENT WARPING</b>		
SCALE: NTS	SHEET 2 OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	77
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



BIG TIMBER



**GRAEF** 8501 W. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

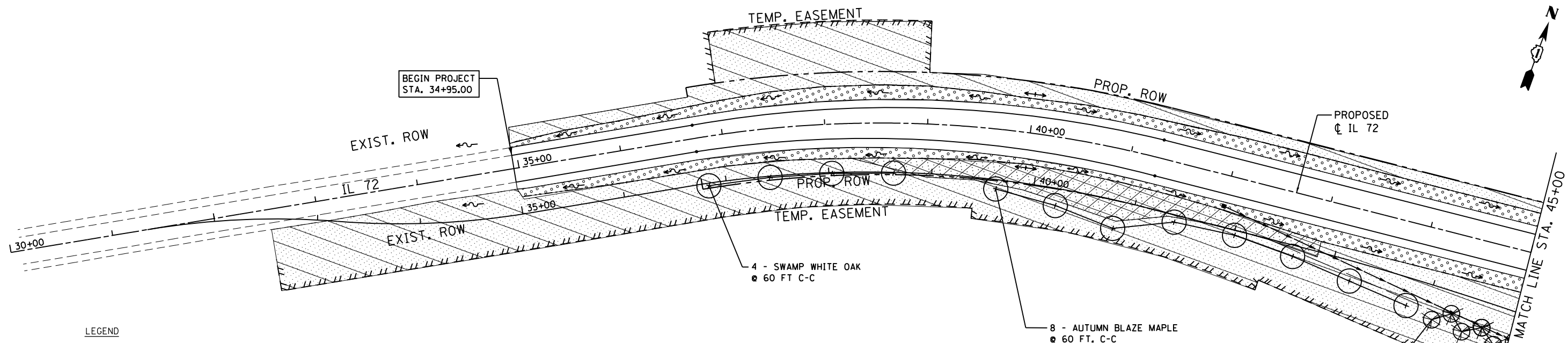
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/17/2015	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
S.E. TRANSITION SECTIONS AND PAVEMENT WARPING**

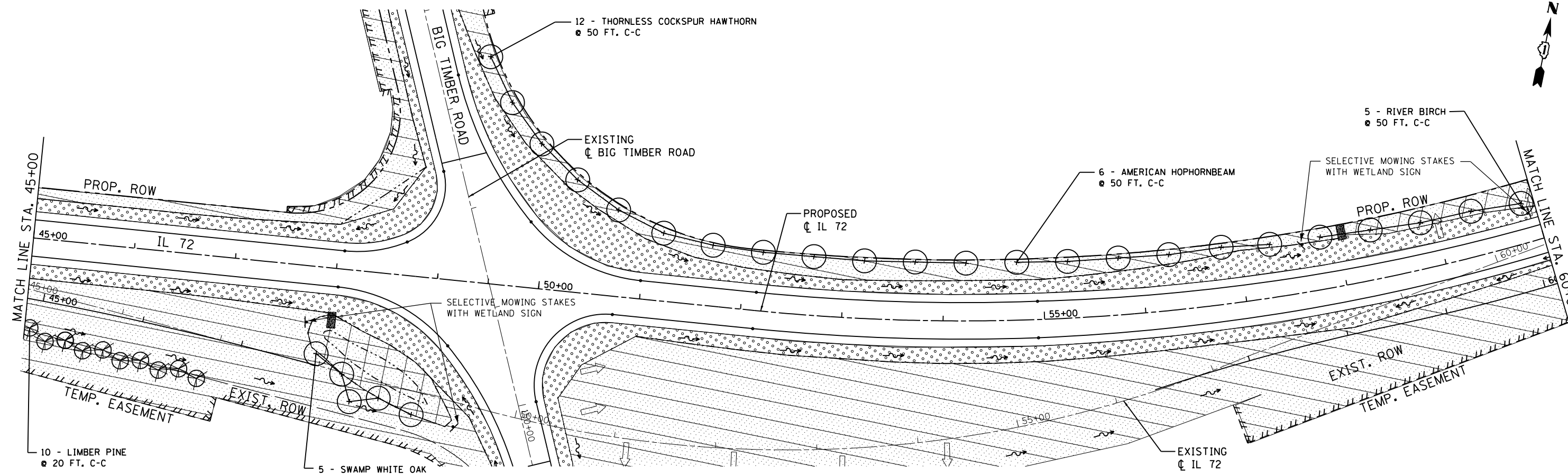
SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	78
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SEEDING, CLASS 2A, 4" TOPSOIL  
FERTILIZER NUTRIENTS AND  
EROSION CONTROL BLANKET
- SEEDING, CLASS 4, 4" TOPSOIL  
EROSION CONTROL BLANKET
- SEEDING, CLASS 4 & 5A, 4" TOPSOIL  
EROSION CONTROL BLANKET
- SEEDING, CLASS 4B (MODIFIED), 4" TOPSOIL  
EROSION CONTROL BLANKET
- SELECTIVE MOWING STAKES  
WITH WETLAND SIGN



**GR&E**  
8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

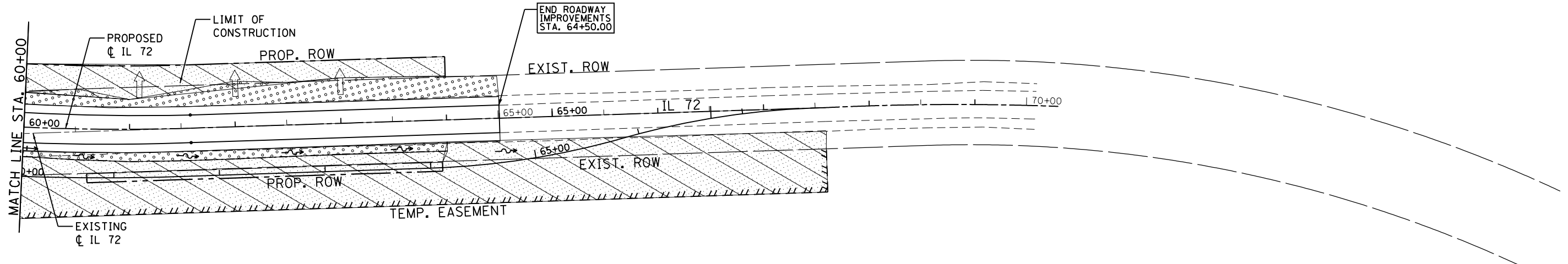
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PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

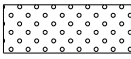
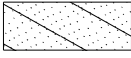
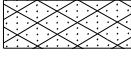
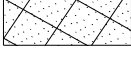

**IL ROUTE 72 AT BIG TIMBER ROAD  
LANDSCAPING & SEEDING PLAN**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 30+00 TO STA. 60+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	79
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- 
 SEEDING, CLASS 2A, 4" TOPSOIL  
 FERTILIZER NUTRIENTS AND  
 EROSION CONTROL BLANKET
- 
 SEEDING, CLASS 4, 4" TOPSOIL  
 EROSION CONTROL BLANKET
- 
 SEEDING, CLASS 4 & 5A, 4" TOPSOIL  
 EROSION CONTROL BLANKET
- 
 SEEDING, CLASS 4B (MODIFIED), 4" TOPSOIL  
 EROSION CONTROL BLANKET
- 
 SELECTIVE MOWING STAKES  
 WITH WETLAND SIGN

**GRAEF** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

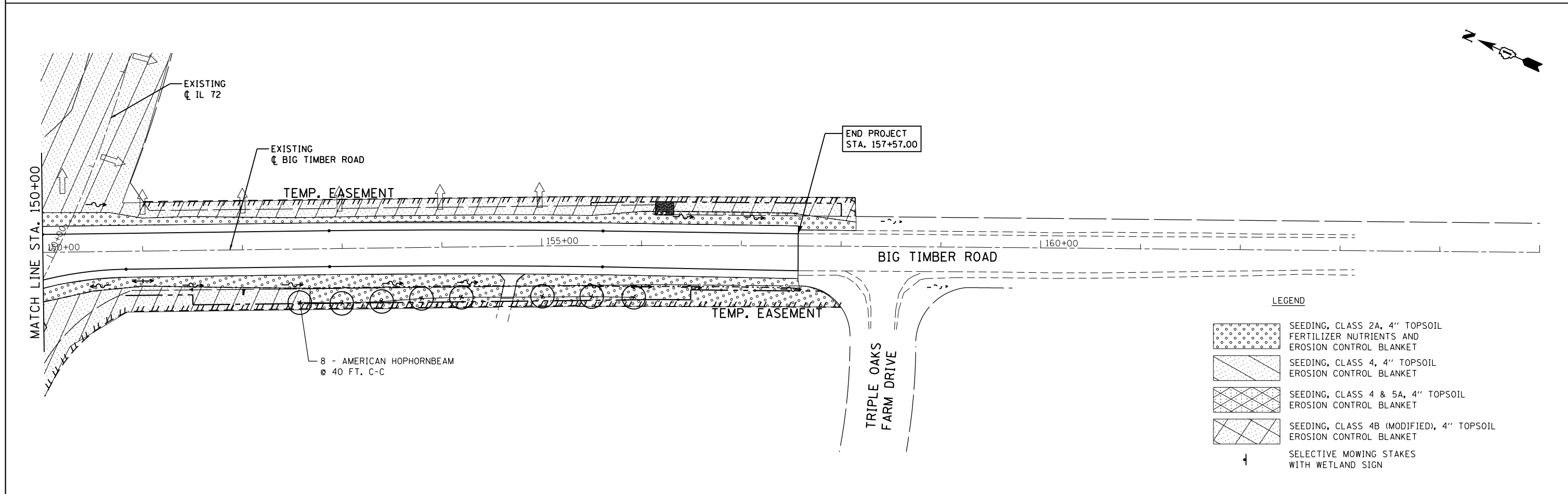
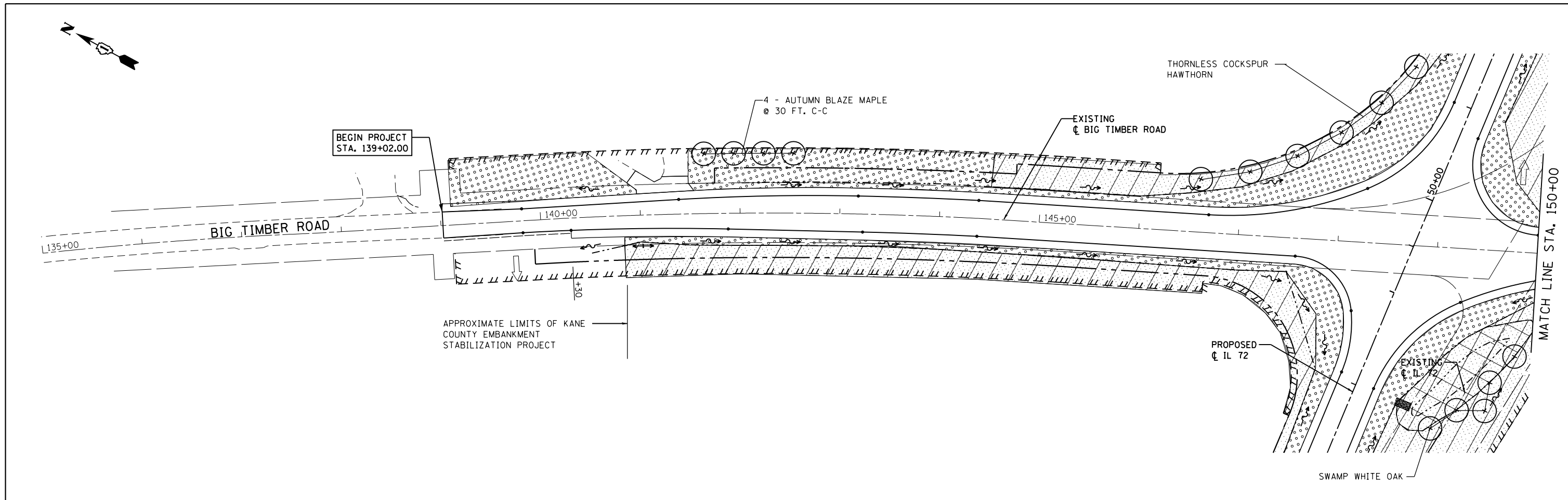
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
LANDSCAPING PLAN**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 60+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	80
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				





**LEGEND**

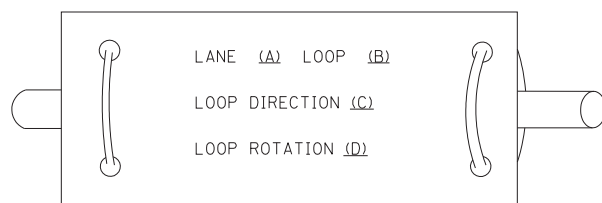
	SEEDING, CLASS 2A, 4" TOPSOIL FERTILIZER NUTRIENTS AND EROSION CONTROL BLANKET
	SEEDING, CLASS 4, 4" TOPSOIL EROSION CONTROL BLANKET
	SEEDING, CLASS 4 & 5A, 4" TOPSOIL EROSION CONTROL BLANKET
	SEEDING, CLASS 4B (MODIFIED), 4" TOPSOIL EROSION CONTROL BLANKET
	SELECTIVE MOWING STAKES WITH WETLAND SIGN

8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD LANDSCAPING PLAN</b>			F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 81
	PLOT SCALE = 1/8" = 100.0000' / 1" = 100'	CHECKED -	REVISED -		REVISED -	SCALE: 1" = 50'	SHEET 3	OF 3 SHEETS	STA. 135+00	TO STA. 165+00	<b>CONTRACT NO. 62407</b>	
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

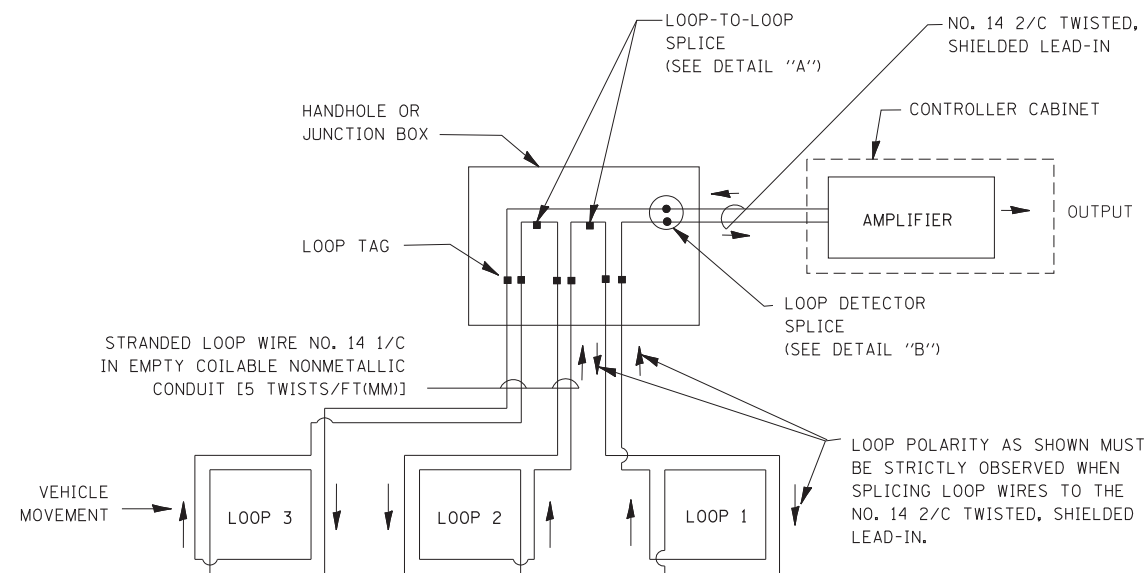
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND 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.

**LOOP LEAD-IN CABLE TAG**

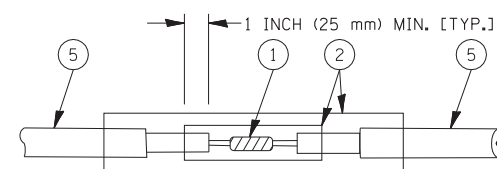


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

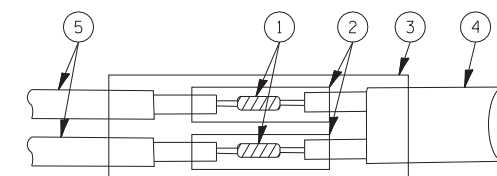


**DETECTOR LOOP WIRING SCHEMATIC**

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

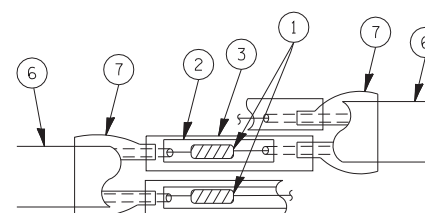


**DETAIL "A"  
LOOP-TO-LOOP SPLICE**

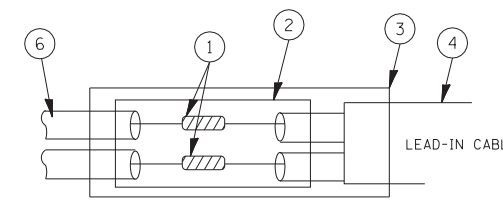


**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 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 = bauerdl	DESIGNED - DAD	REVISED -
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	PLOT SCALE = 50.0000' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

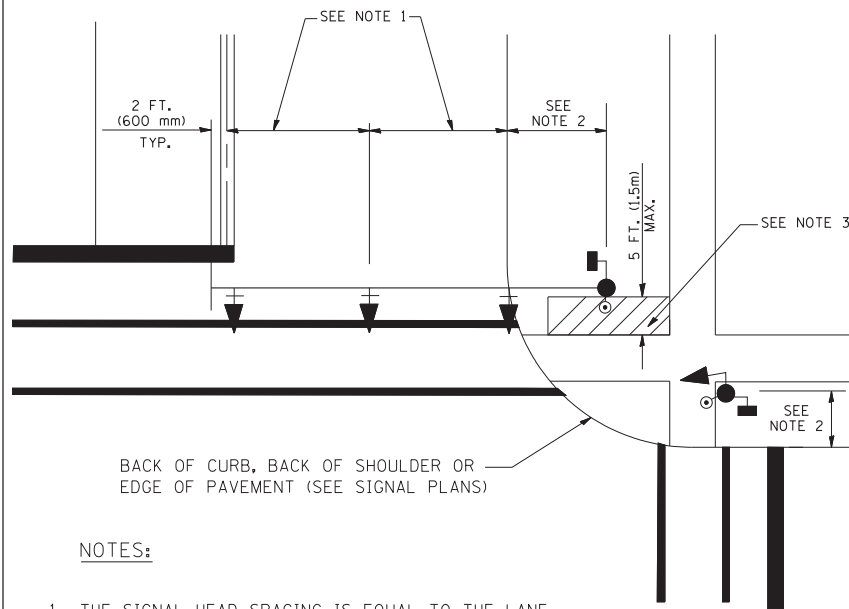
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	82
<b>TS-05</b>			CONTRACT NO. 62407	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

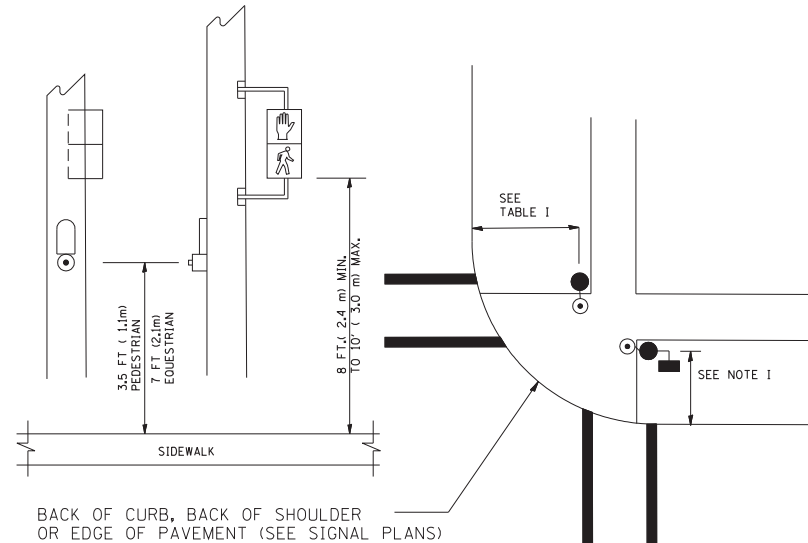
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**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."

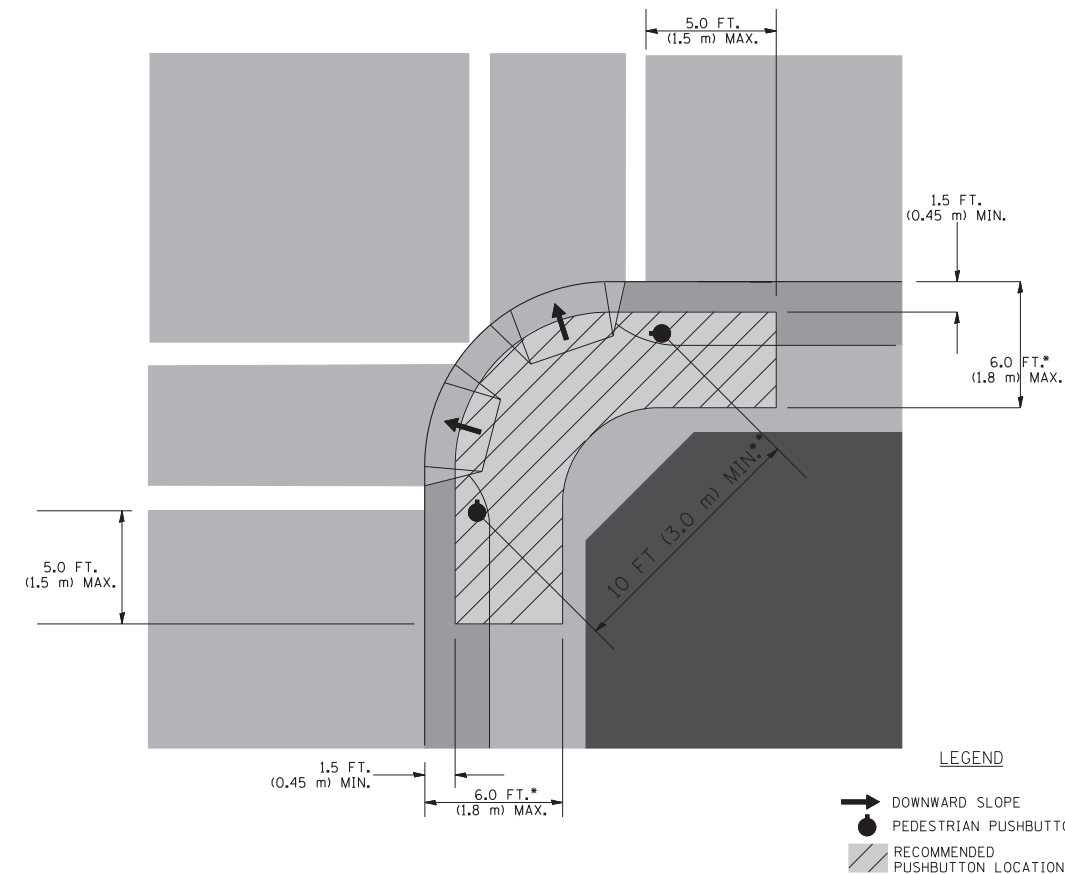
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**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**



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

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

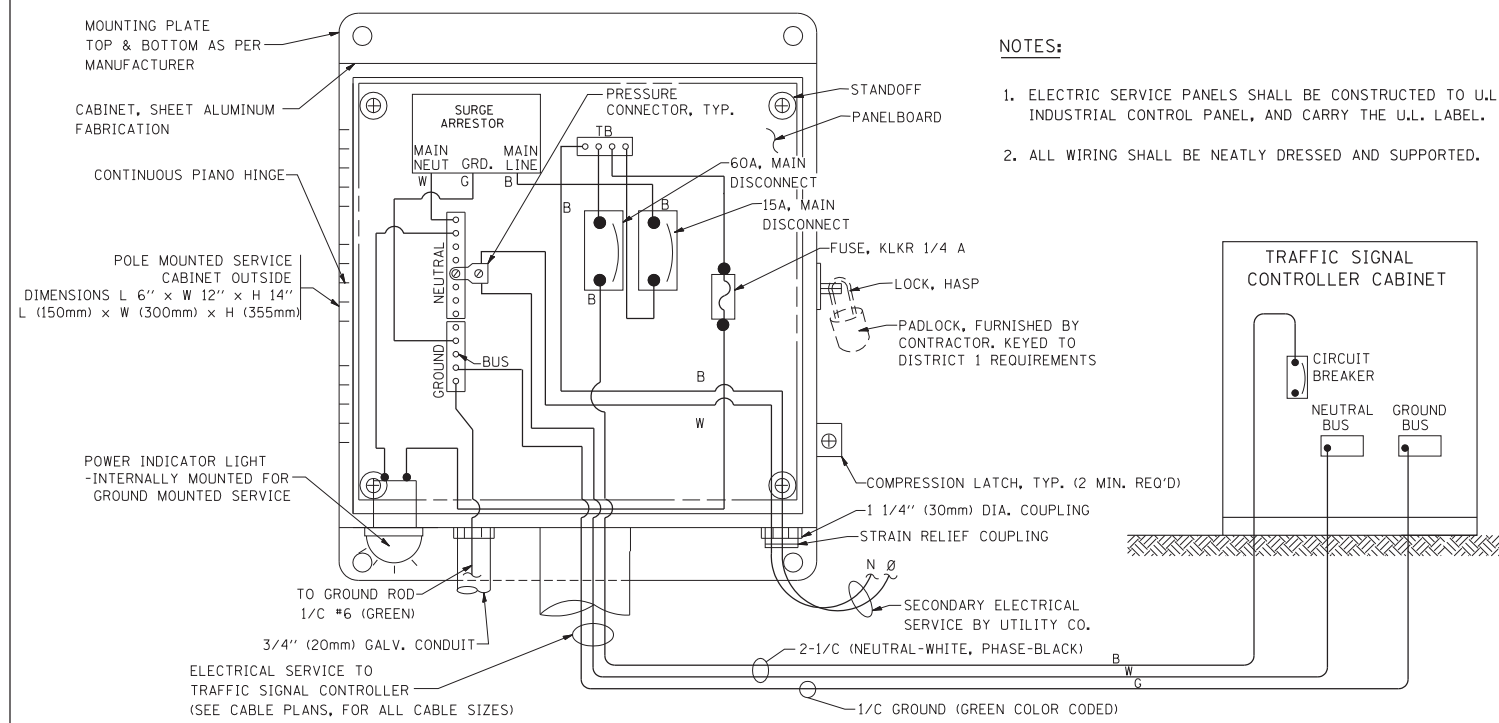
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		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

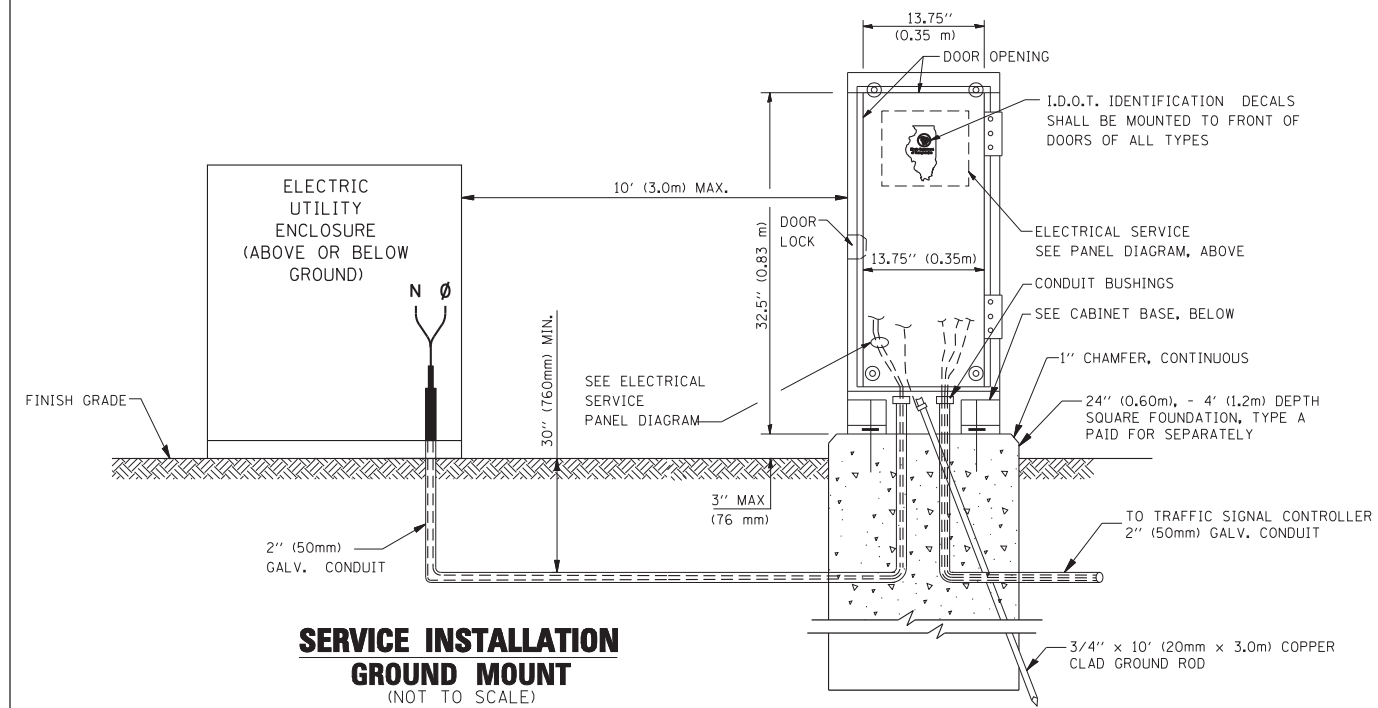
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

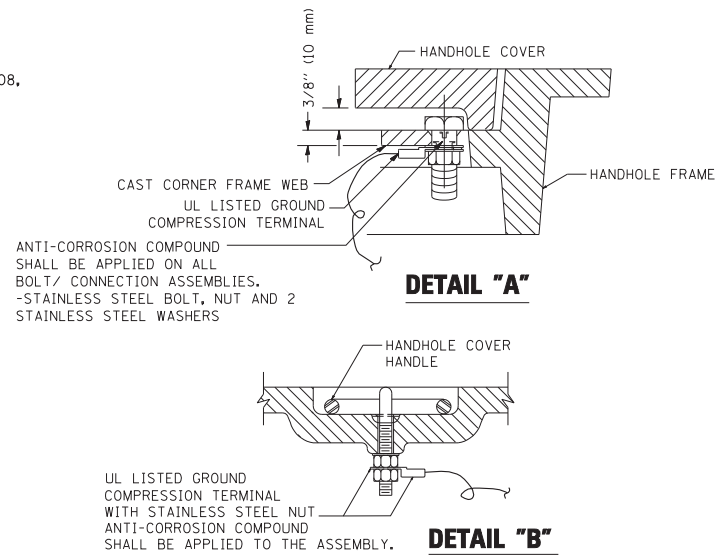
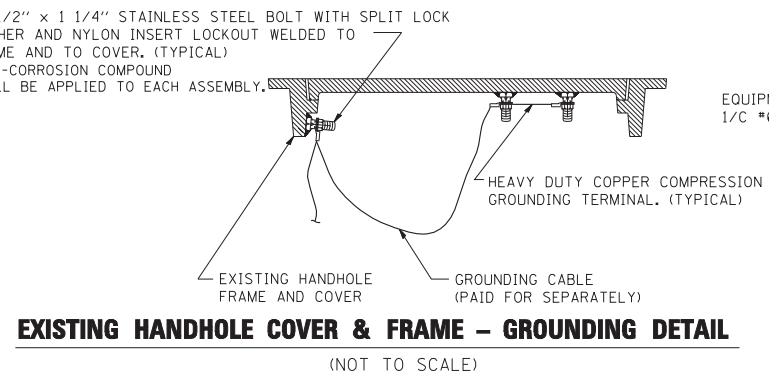
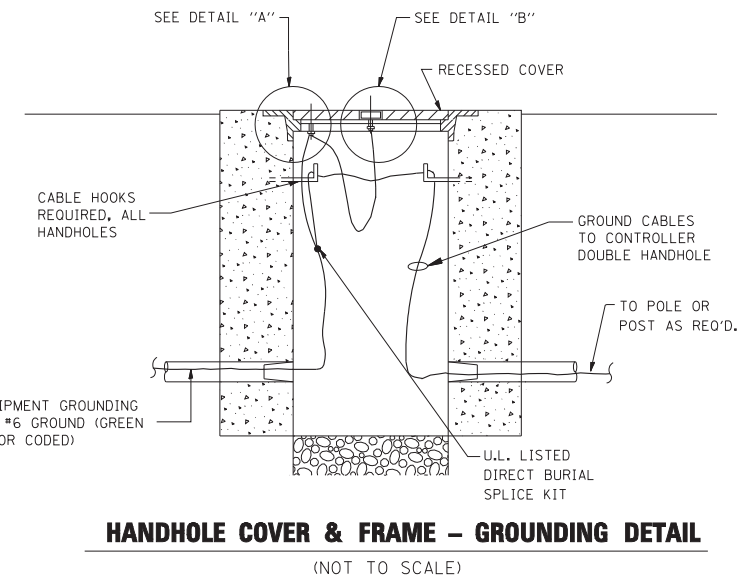
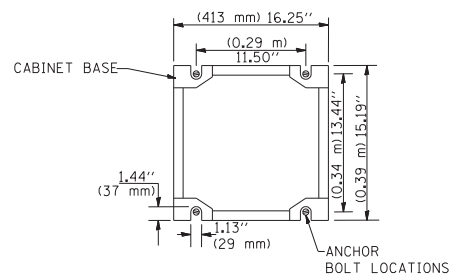
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	83
<b>TS-05</b>			CONTRACT NO. 62407	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



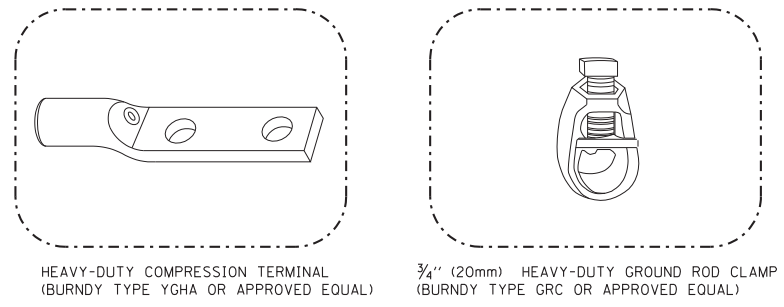
**CABINET – BASE BOLT PATTERN**  
 (NOT TO SCALE)



**NOTES:**

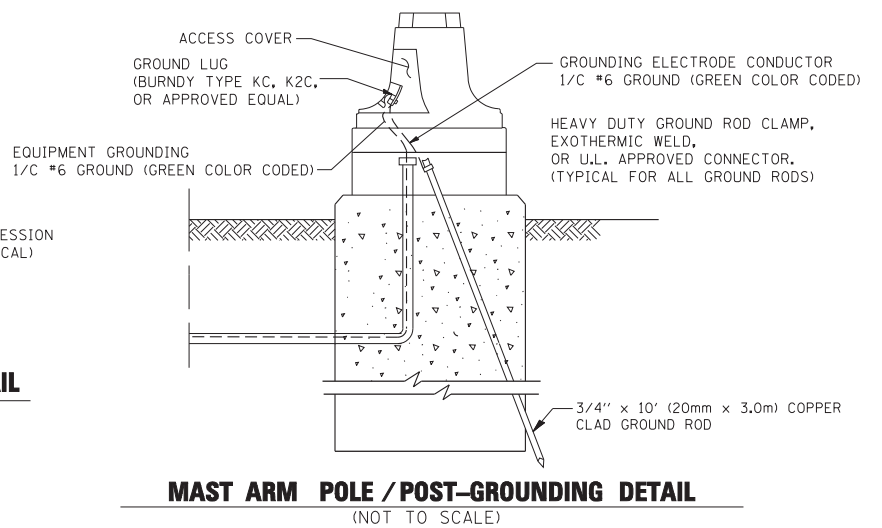
**GROUNDING SYSTEM**

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.

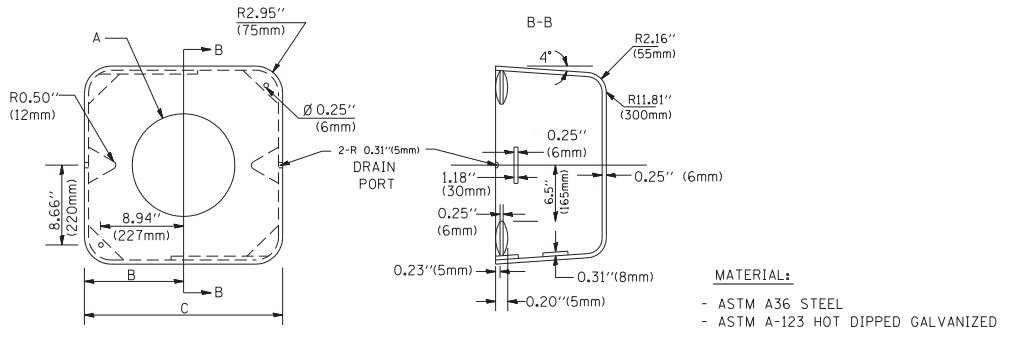
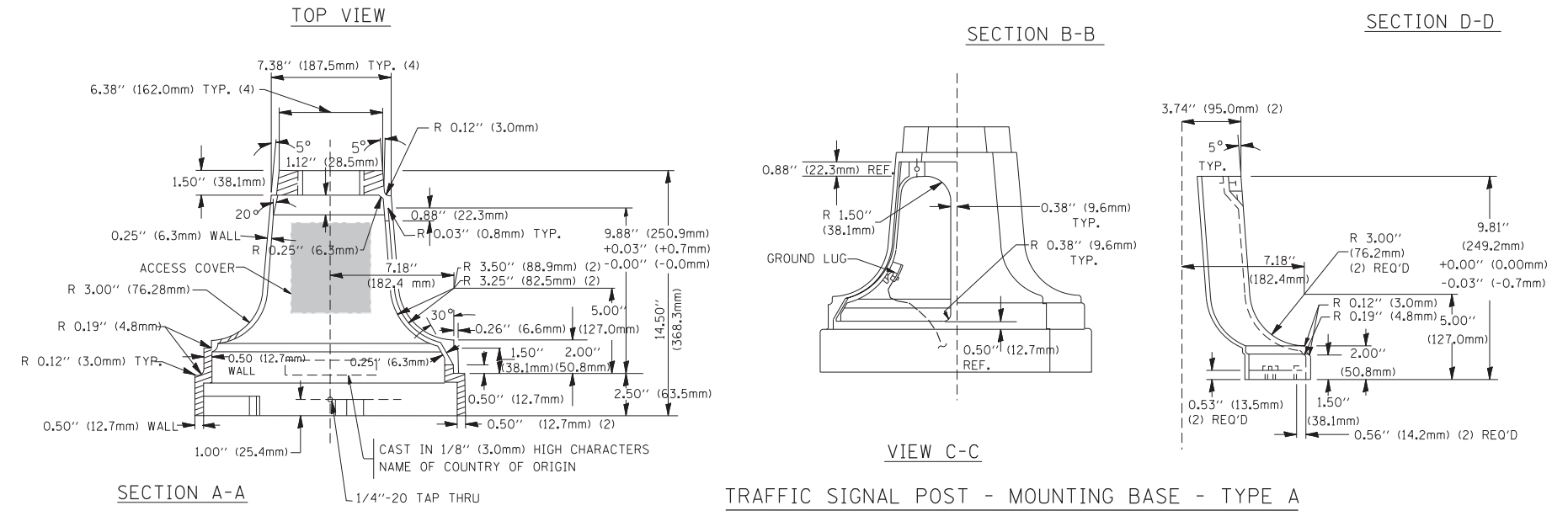
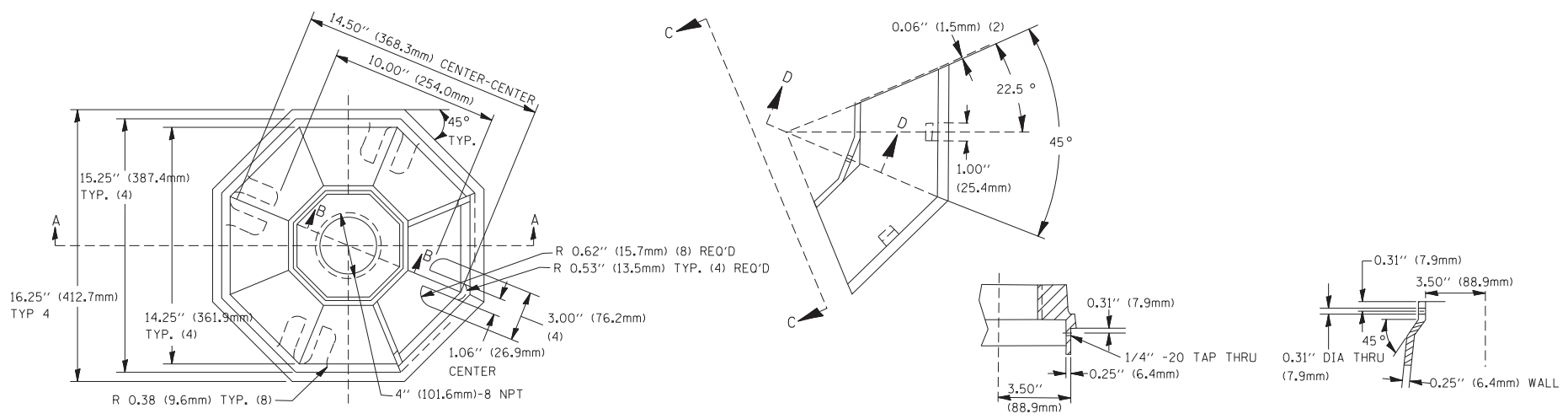


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 3 OF 6 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	84
<b>TS-05</b>		CONTRACT NO. 62407		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

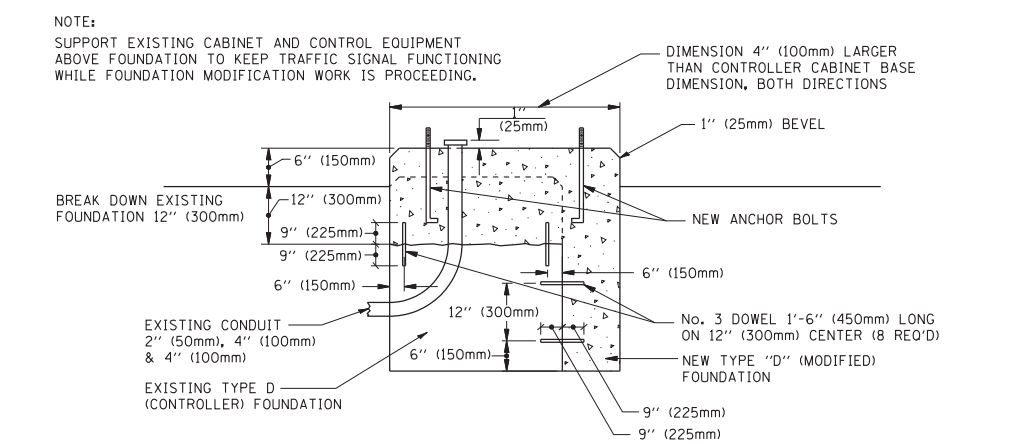


A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIABLES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIABLES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIABLES	18.5\" (470mm)	37\" (940mm)	7\"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

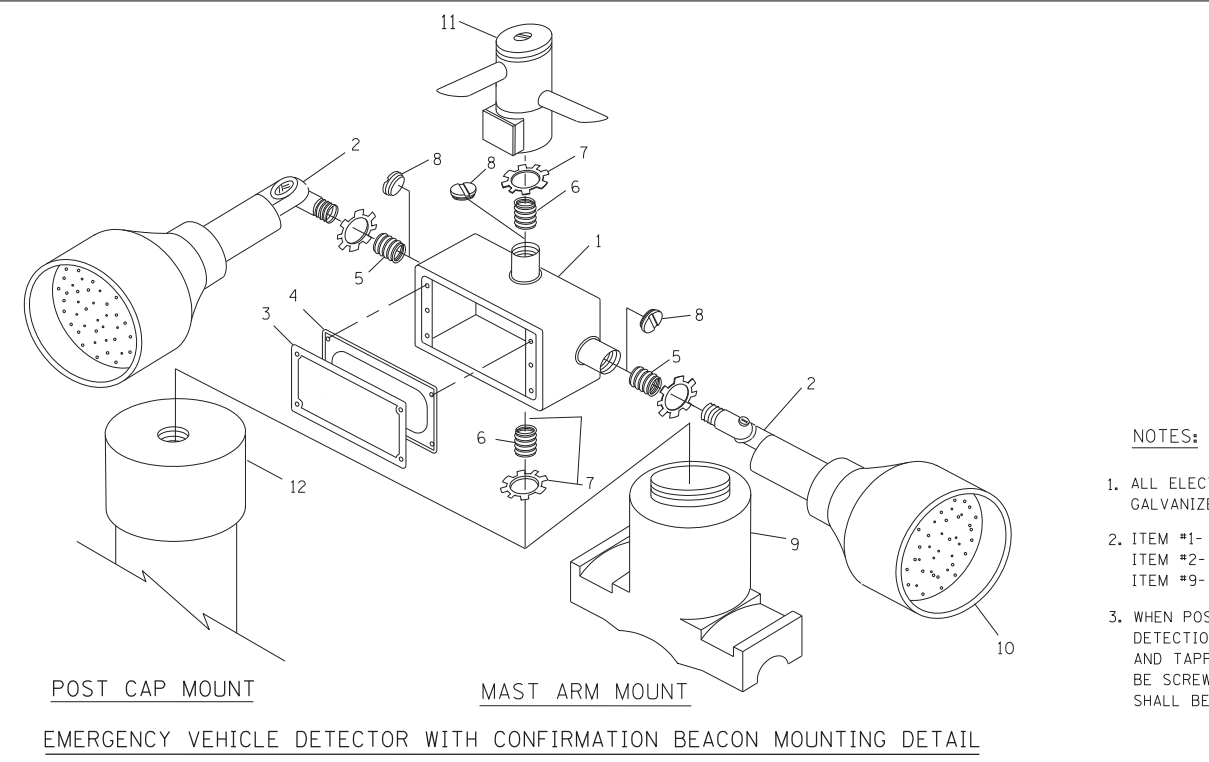
**SHROUD**

**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.



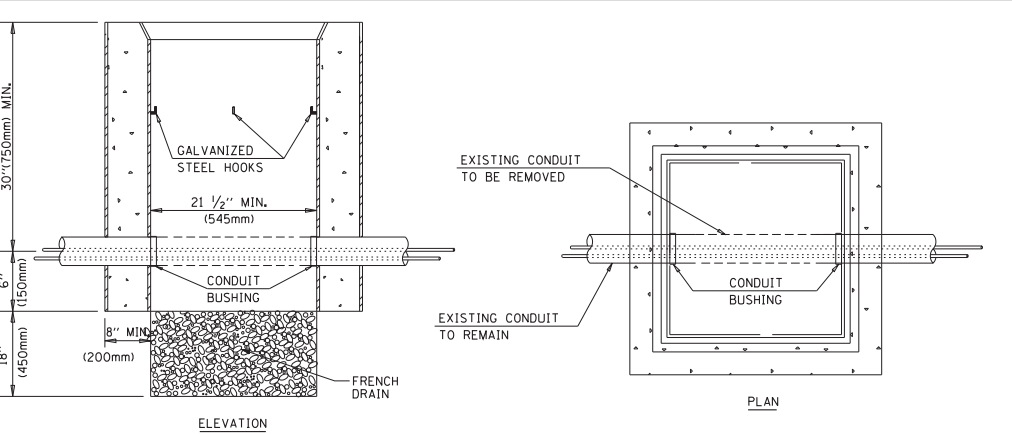
**MODIFY EXISTING TYPE "D" FOUNDATION**



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:**

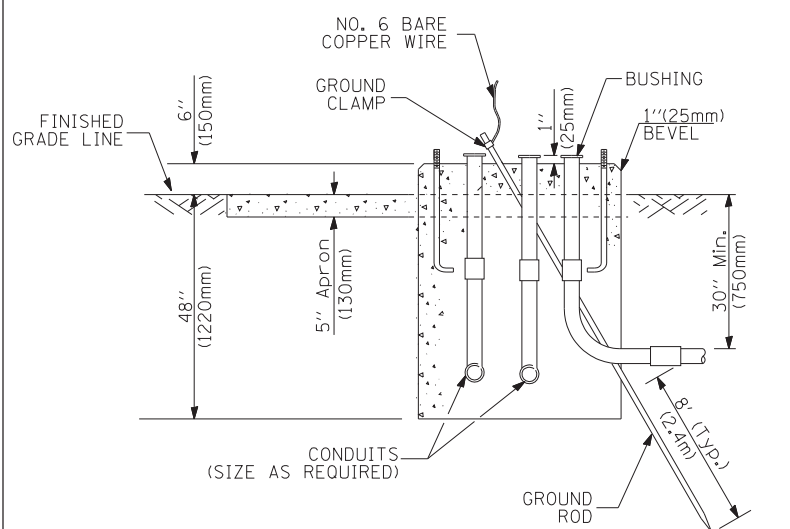
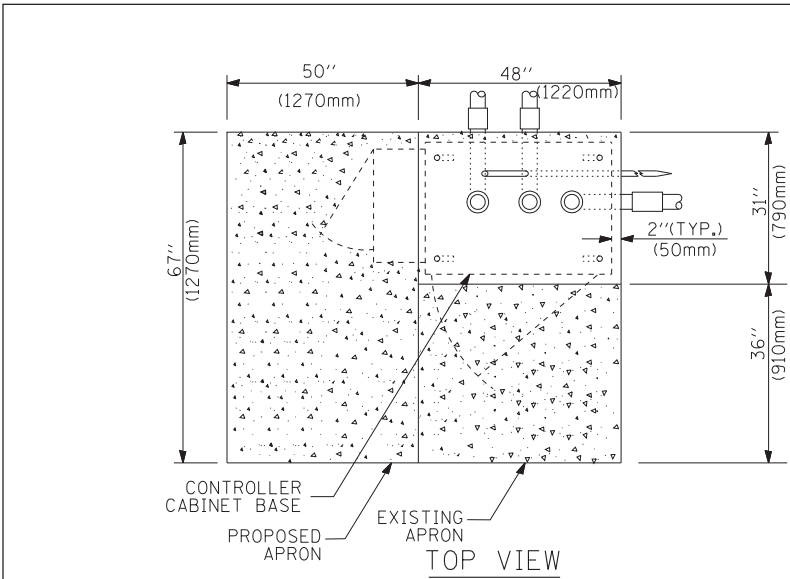
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



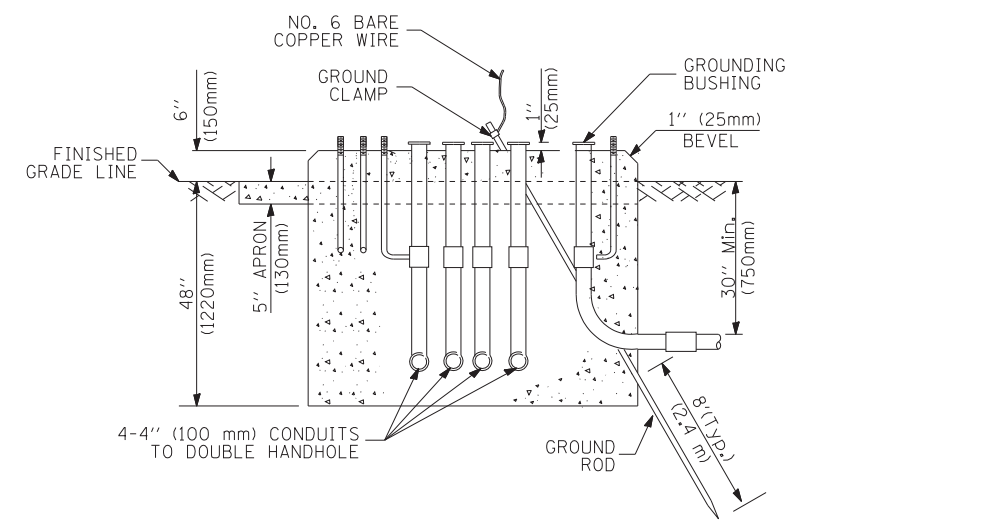
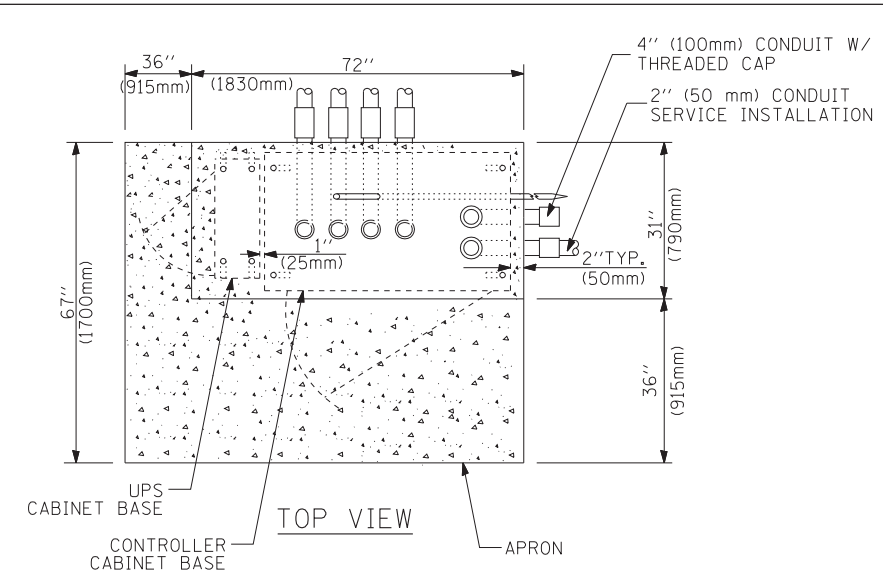
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

**NOTES:**

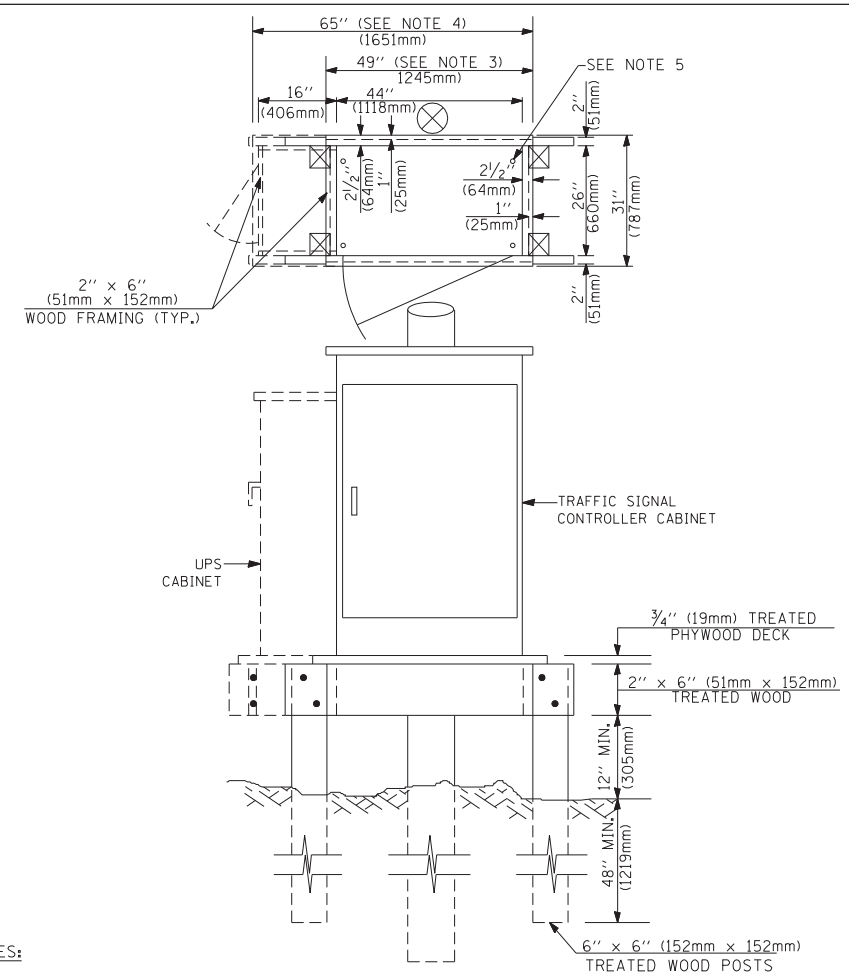
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.



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



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



**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) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

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

FILE NAME =	USER NAME = bauerdl	DESIGNED - DAG	REVISED -
ct:\pwork\PWIDOT\BAUERDL\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	86
<b>TS-05</b>		CONTRACT NO. 62407		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F 24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F 24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

## RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

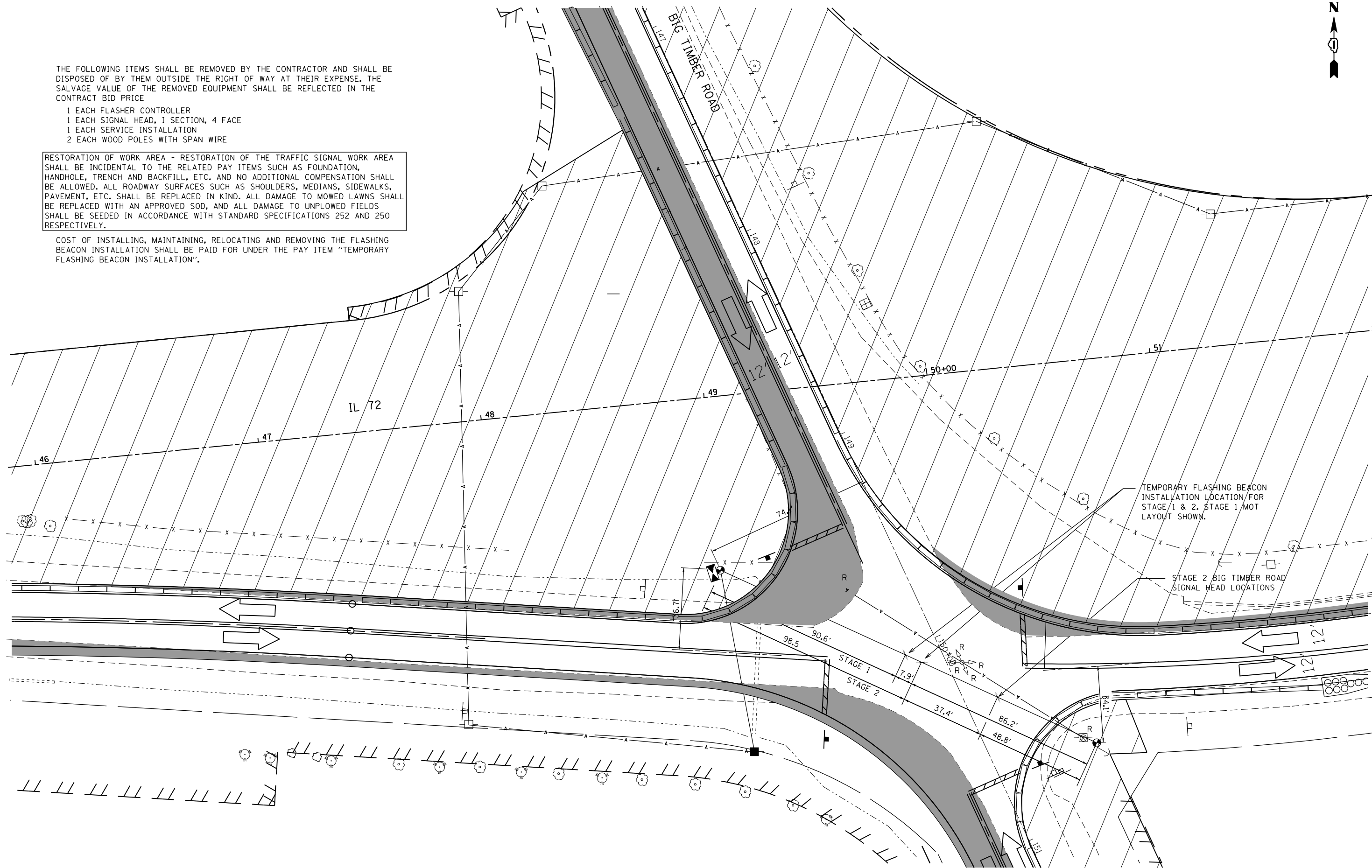


THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT OF WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE

- 1 EACH FLASHER CONTROLLER
- 1 EACH SIGNAL HEAD, 1 SECTION, 4 FACE
- 1 EACH SERVICE INSTALLATION
- 2 EACH WOOD POLES WITH SPAN WIRE

RESTORATION OF WORK AREA - RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNPLOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

COST OF INSTALLING, MAINTAINING, RELOCATING AND REMOVING THE FLASHING BEACON INSTALLATION SHALL BE PAID FOR UNDER THE PAY ITEM "TEMPORARY FLASHING BEACON INSTALLATION".



**GR&EF** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
TEMPORARY FLASHING BEACON INSTALLATION STAGE 1 & 2**

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	88
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

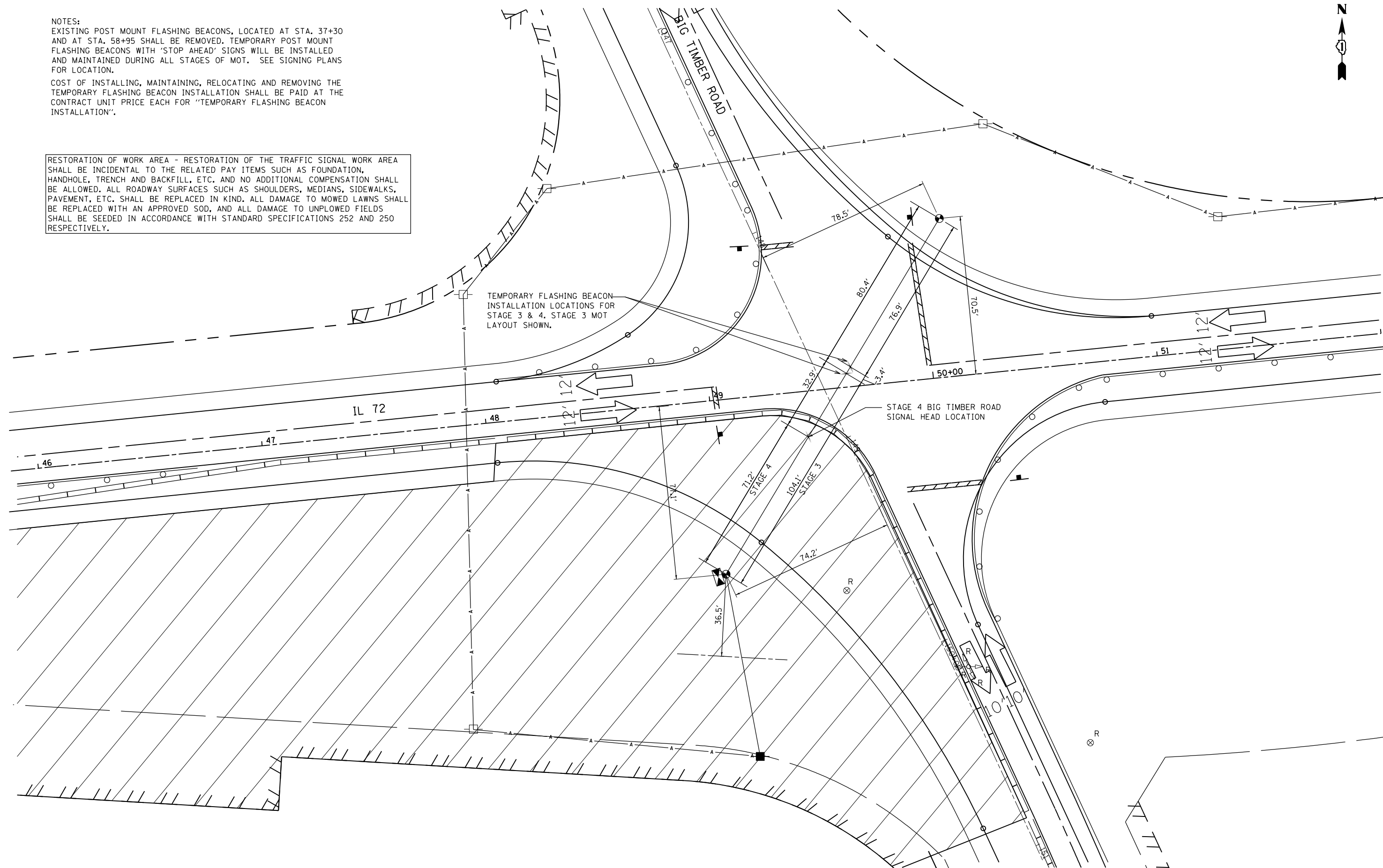




NOTES:  
 EXISTING POST MOUNT FLASHING BEACONS, LOCATED AT STA. 37+30 AND AT STA. 58+95 SHALL BE REMOVED. TEMPORARY POST MOUNT FLASHING BEACONS WITH 'STOP AHEAD' SIGNS WILL BE INSTALLED AND MAINTAINED DURING ALL STAGES OF MOT. SEE SIGNING PLANS FOR LOCATION.

COST OF INSTALLING, MAINTAINING, RELOCATING AND REMOVING THE TEMPORARY FLASHING BEACON INSTALLATION SHALL BE PAID AT THE CONTRACT UNIT PRICE EACH FOR "TEMPORARY FLASHING BEACON INSTALLATION".

RESTORATION OF WORK AREA - RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNPLOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



**GRAEF** 8501 N. Higgins Road Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

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PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
 TEMPORARY FLASHING BEACON INSTALLATION STAGE 3 & 4**

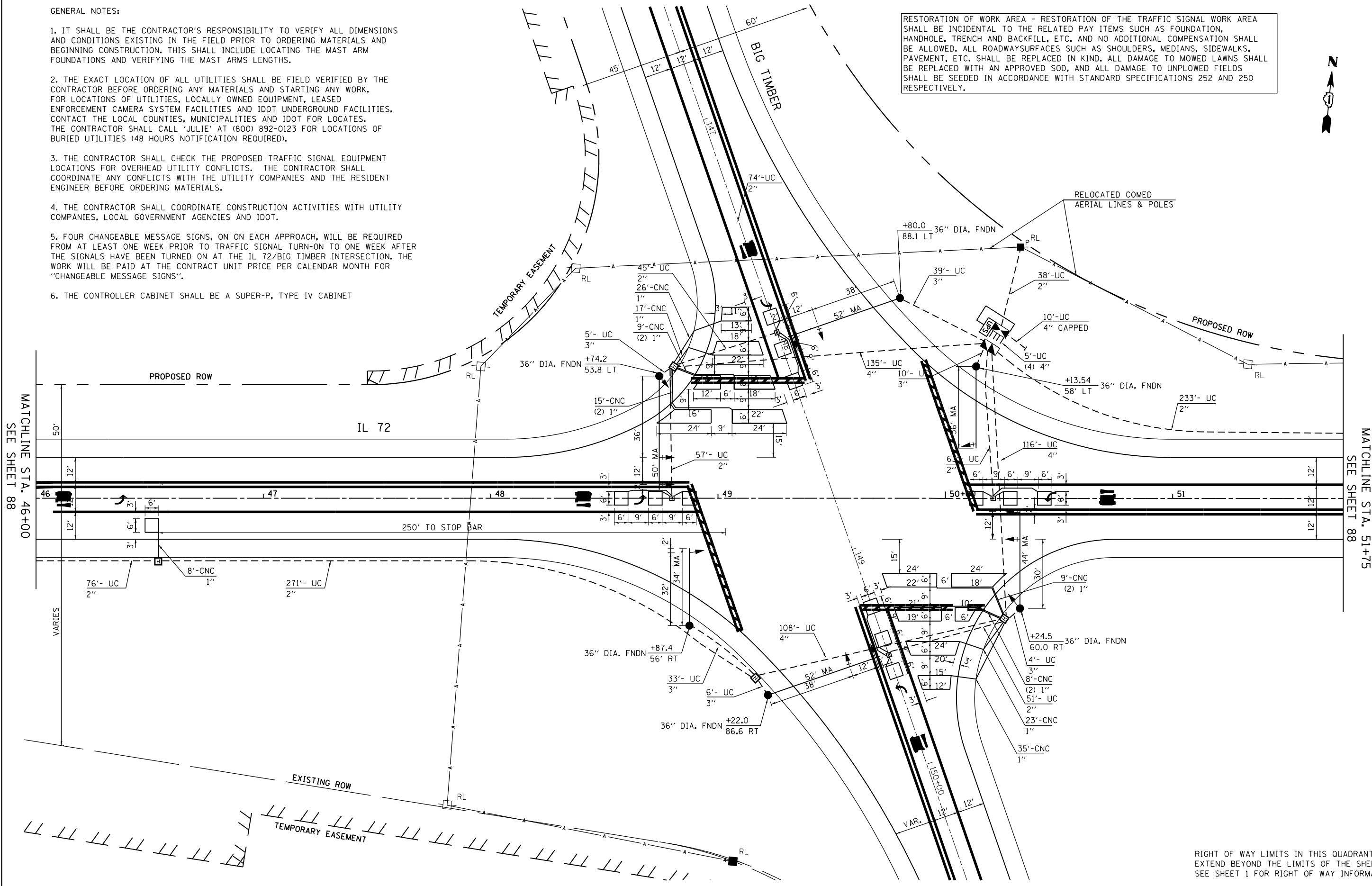
SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	89
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 FOR LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- FOUR CHANGEABLE MESSAGE SIGNS, ON EACH APPROACH, WILL BE REQUIRED FROM AT LEAST ONE WEEK PRIOR TO TRAFFIC SIGNAL TURN-ON TO ONE WEEK AFTER THE SIGNALS HAVE BEEN TURNED ON AT THE IL 72/BIG TIMBER INTERSECTION. THE WORK WILL BE PAID AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGNS".
- THE CONTROLLER CABINET SHALL BE A SUPER-P, TYPE IV CABINET

RESTORATION OF WORK AREA - RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ALL ROADWAYSURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNPLOWED FIELDS SHALL BE SEEDD IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



RIGHT OF WAY LIMITS IN THIS QUADRANT EXTEND BEYOND THE LIMITS OF THE SHEET. SEE SHEET 1 FOR RIGHT OF WAY INFORMATION.

**GRAEF** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2015	CHECKED -	REVISED -
	DATE - 3/16/2015	REVISED -

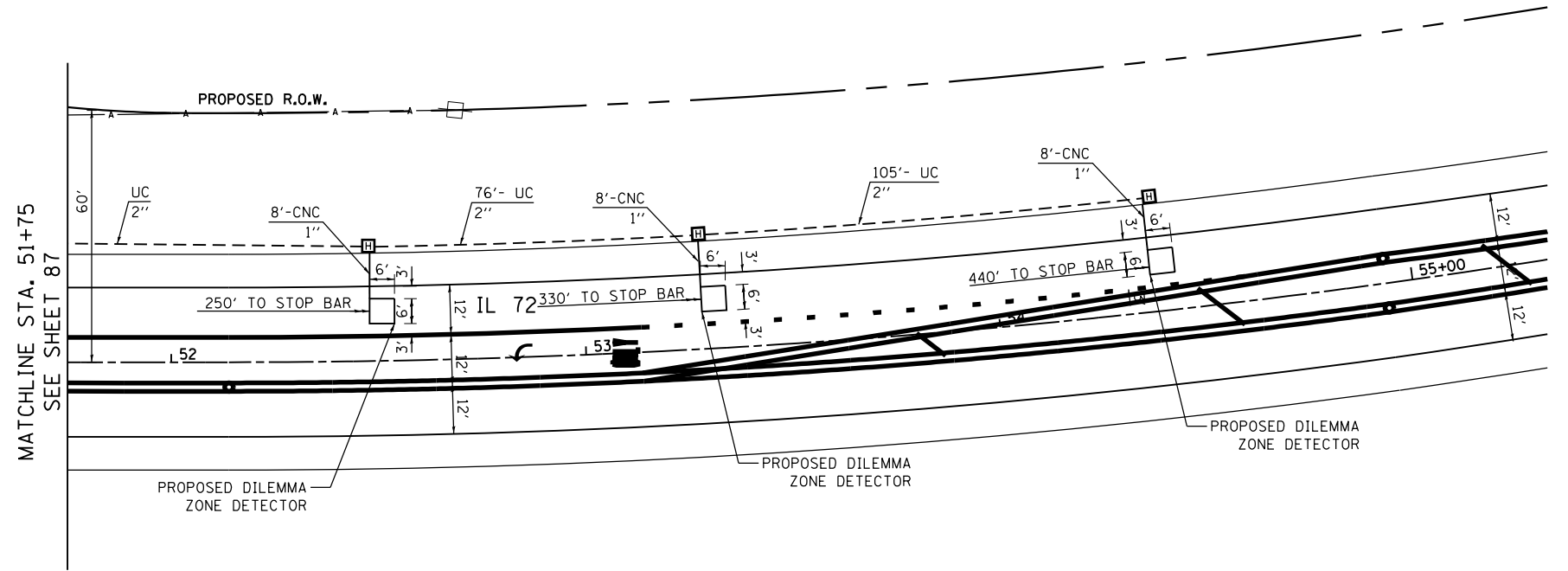
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
TRAFFIC SIGNAL PLAN**

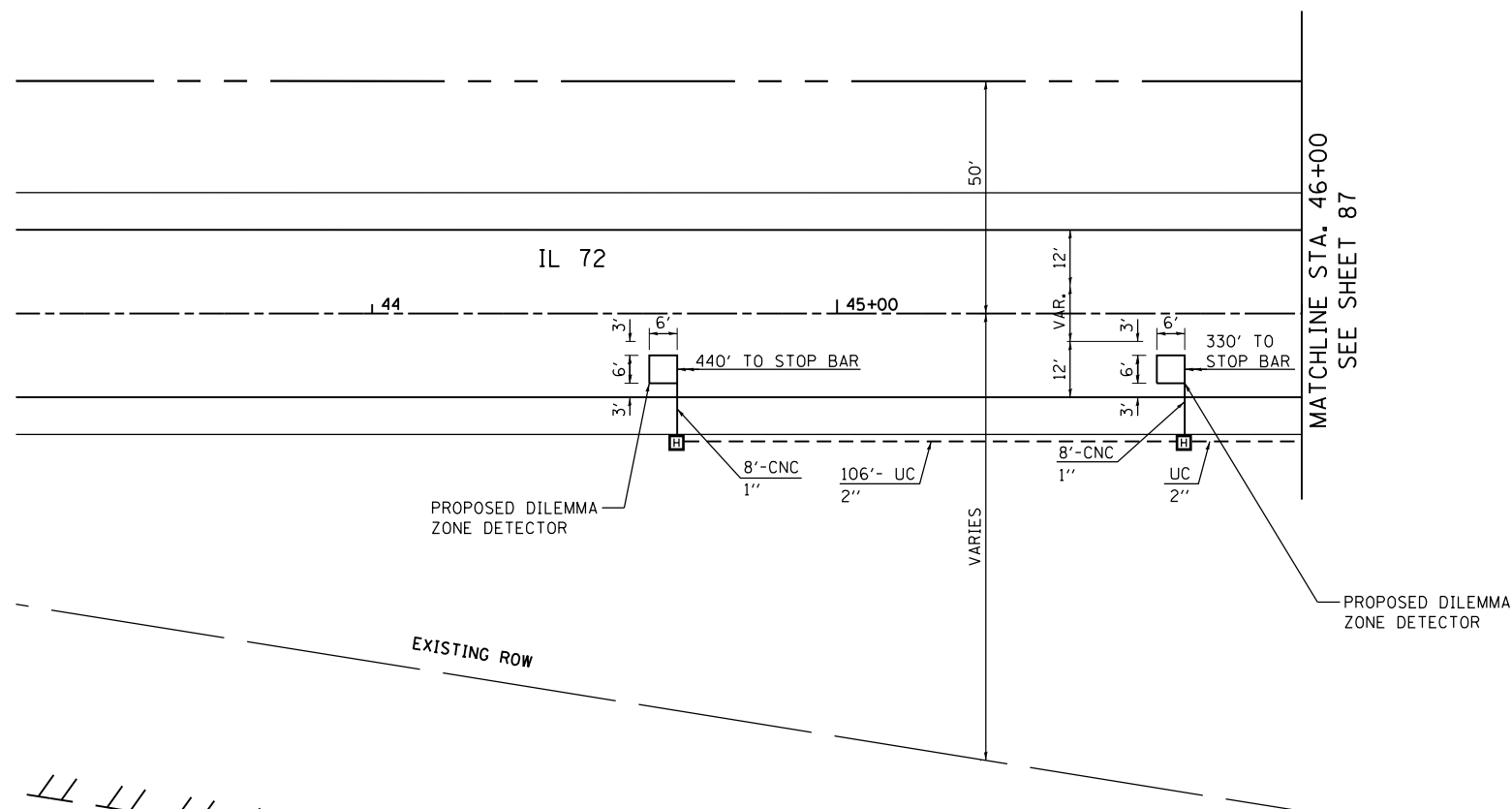
SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	90
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA - RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ALL ROADWAYSURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNPLOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



RIGHT OF WAY LIMITS IN THIS QUADRANT EXTEND BEYOND THE LIMITS OF THE SHEET. SEE SHEET 1 FOR RIGHT OF WAY INFORMATION.



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Chicago, Illinois 60631  
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
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PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

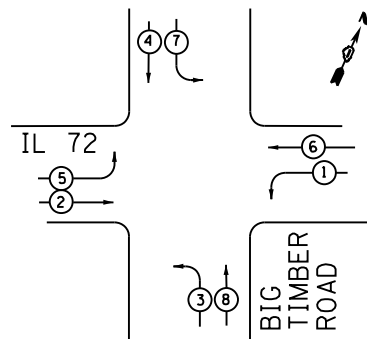
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 AT BIG TIMBER ROAD  
TRAFFIC SIGNAL PLAN

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	91
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				

**CONTROLLER SEQUENCE**



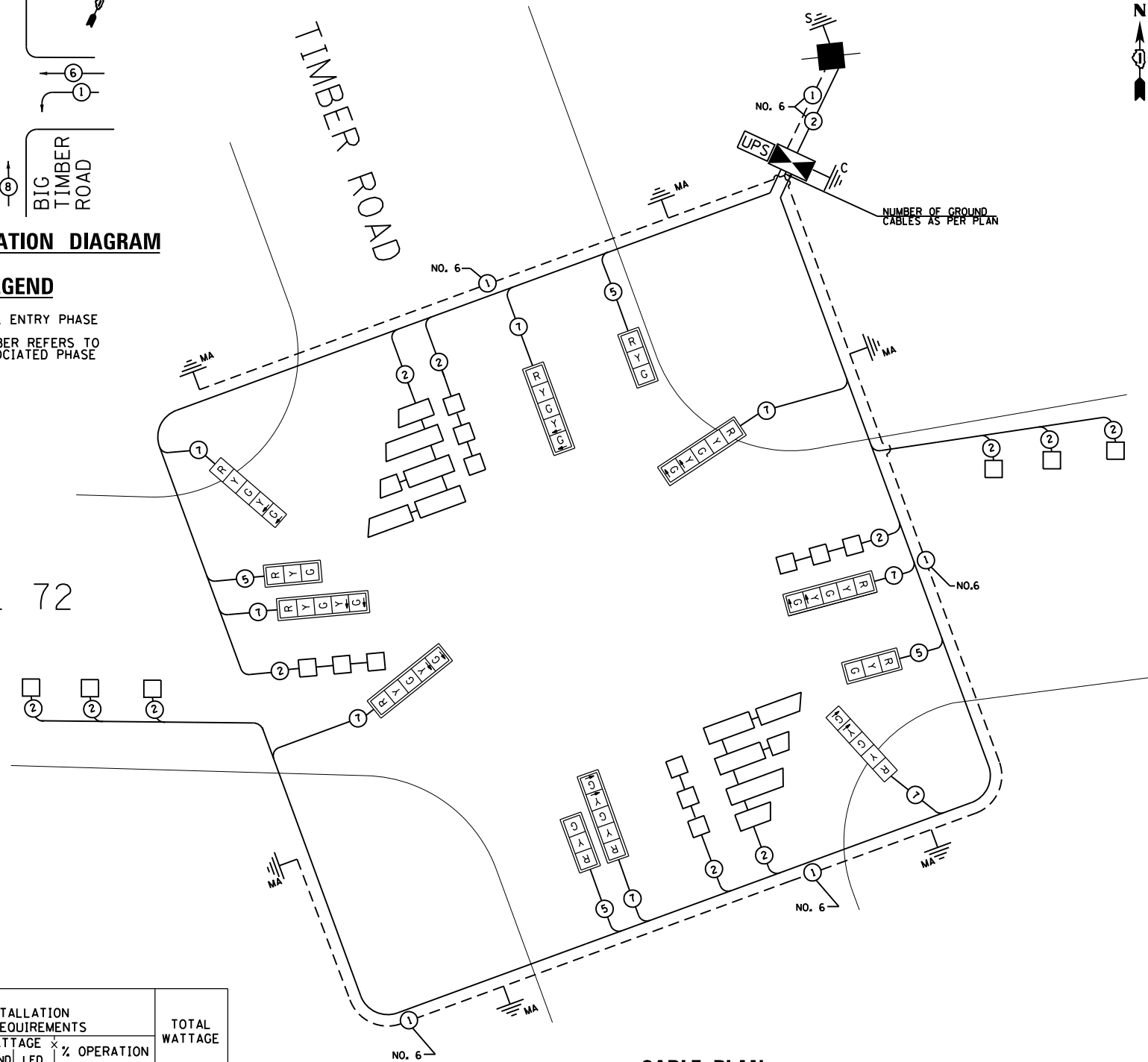
**PHASE DESIGNATION DIAGRAM**

**LEGEND**

- → DUAL ENTRY PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

IL 72

BIG TIMBER ROAD



**CABLE PLAN**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	16		12	0.10	19.2
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN			25	0.05	
FLASHER			25		
TOTAL =					341.20

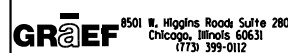
ENERGY COST TO: Illinois Department of Transportation  
Division of Highways / District 1  
201 W. CENTER COURT, SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: KAREN RICHMOND  
PHONE: (630) 723-2128  
COMPANY: ComEd

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SIGN PANEL TYPE 1	SQ FT	14
SIGN PANEL TYPE 2	SQ FT	20
SERVICE INSTALLATION - GROUND MOUNT	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,132
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	97
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	390
HEAVY-DUTY HANDHOLE	EACH	13
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	899
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,709
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,937
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	71
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	567
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	80
SIGNAL HEAD, LED, IFACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1,263
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	3
TEMPORARY FLASHING BEACON INSTALLATION	EACH	3
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. ALL ROADWAYSURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNPLOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -

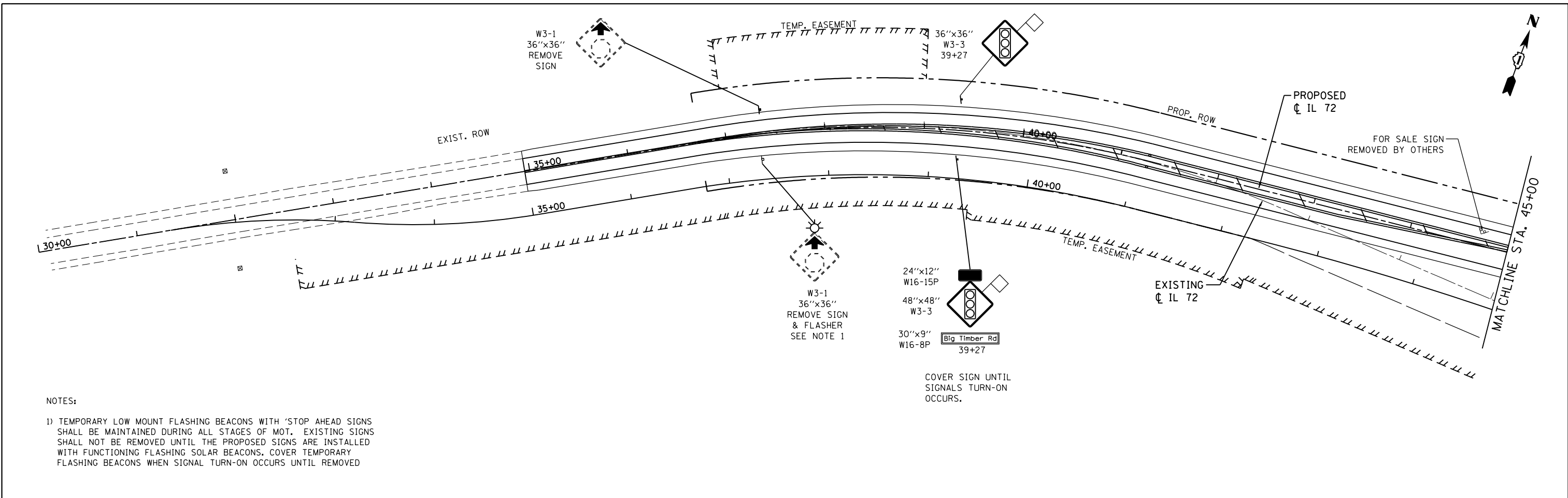
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 72 AND BIG TIMBER  
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE & SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

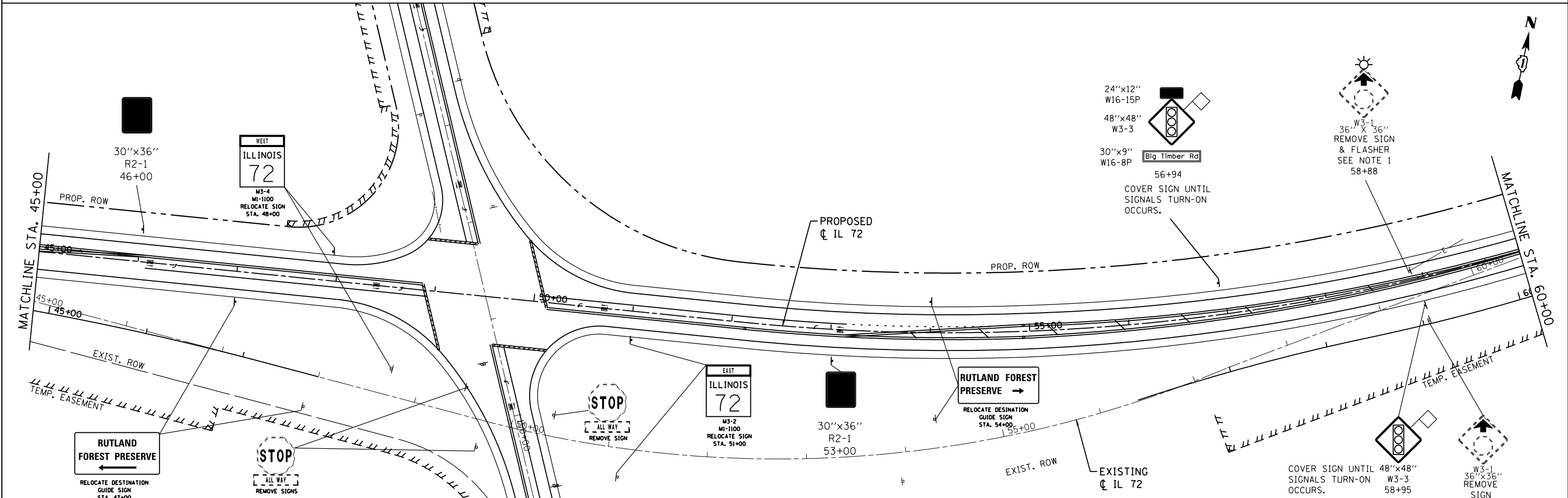
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	92
CONTRACT NO. 62407				
ILLINOIS FED. AID PROJECT				



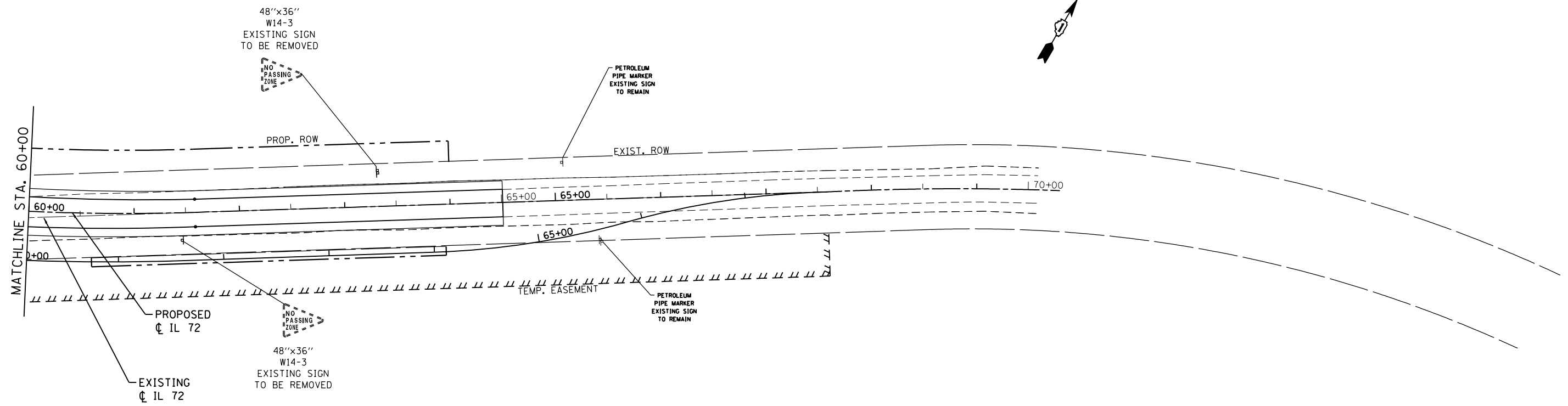


**NOTES:**

- 1) TEMPORARY LOW MOUNT FLASHING BEACONS WITH 'STOP AHEAD SIGNS SHALL BE MAINTAINED DURING ALL STAGES OF MOT. EXISTING SIGNS SHALL NOT BE REMOVED UNTIL THE PROPOSED SIGNS ARE INSTALLED WITH FUNCTIONING FLASHING SOLAR BEACONS. COVER TEMPORARY FLASHING BEACONS WHEN SIGNAL TURN-ON OCCURS UNTIL REMOVED



8501 N. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SIGNING PLAN</b>			F.A.P. RTE. = 341	SECTION = 109N-3	COUNTY = KANE	TOTAL SHEETS = 209	SHEET NO. = 94	
	PLOT SCALE = 100.0000' / 1" = 100'	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 3 SHEETS	STA. 30+00	TO STA. 60+00	CONTRACT NO. 62407			
	PLOT DATE = 3/13/2015	DATE = 3/16/2015	REVISED -			ILLINOIS FED. AID PROJECT							



**GR&EF** 8501 N. Higgins Road Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

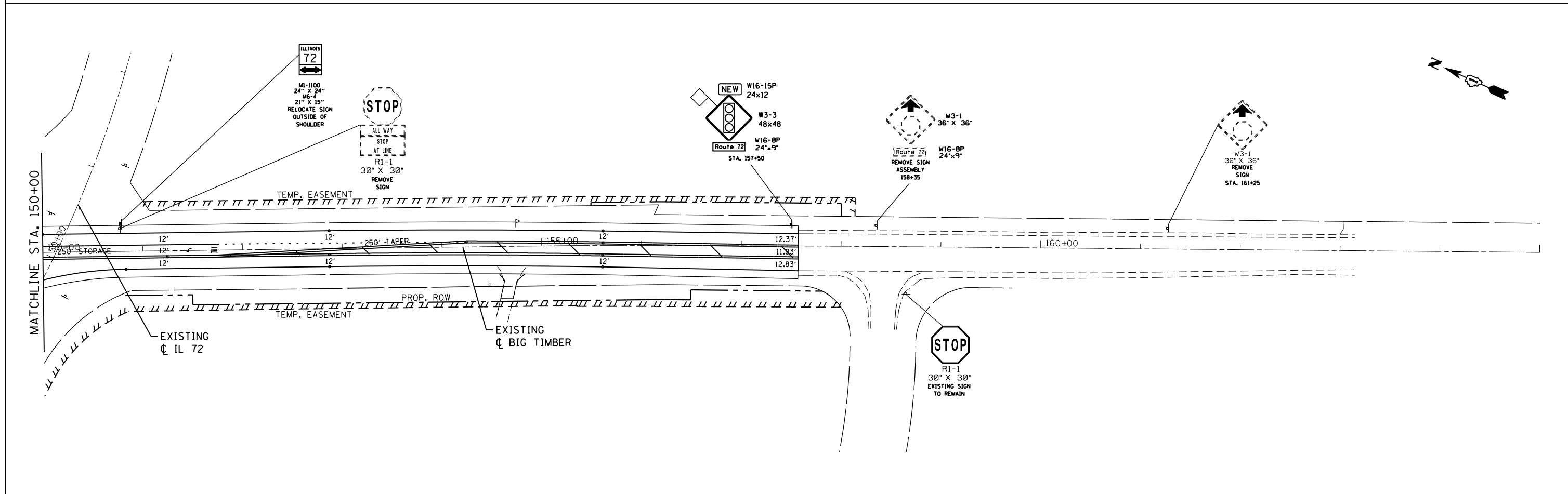
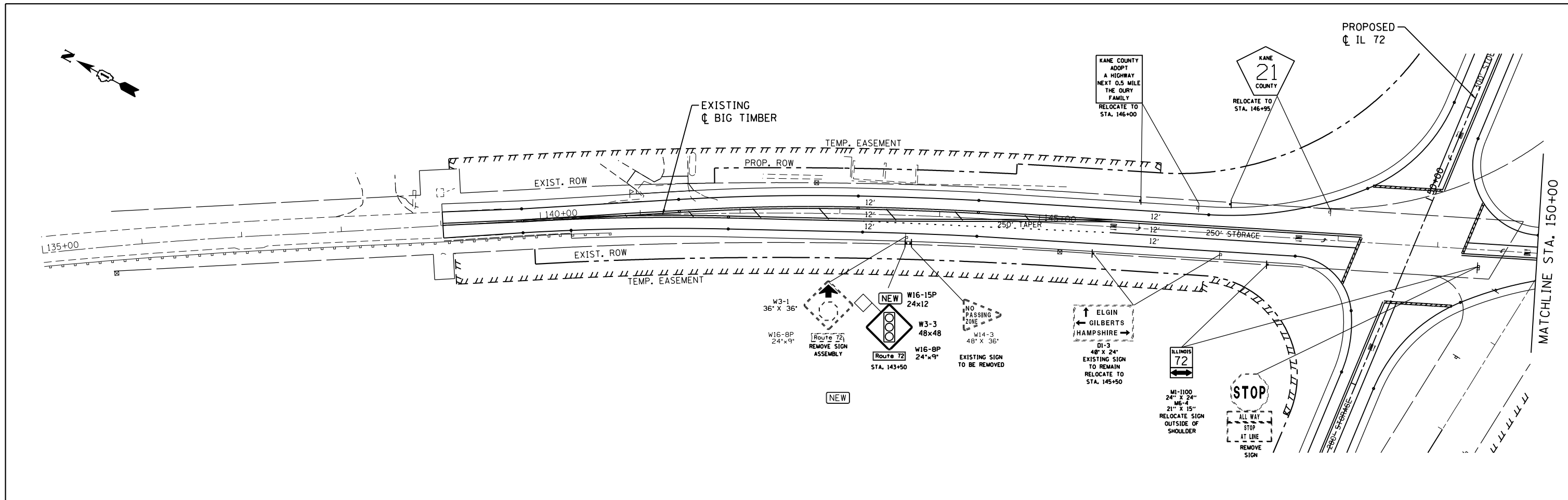
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 72 AT BIG TIMBER ROAD  
SIGNING PLAN**

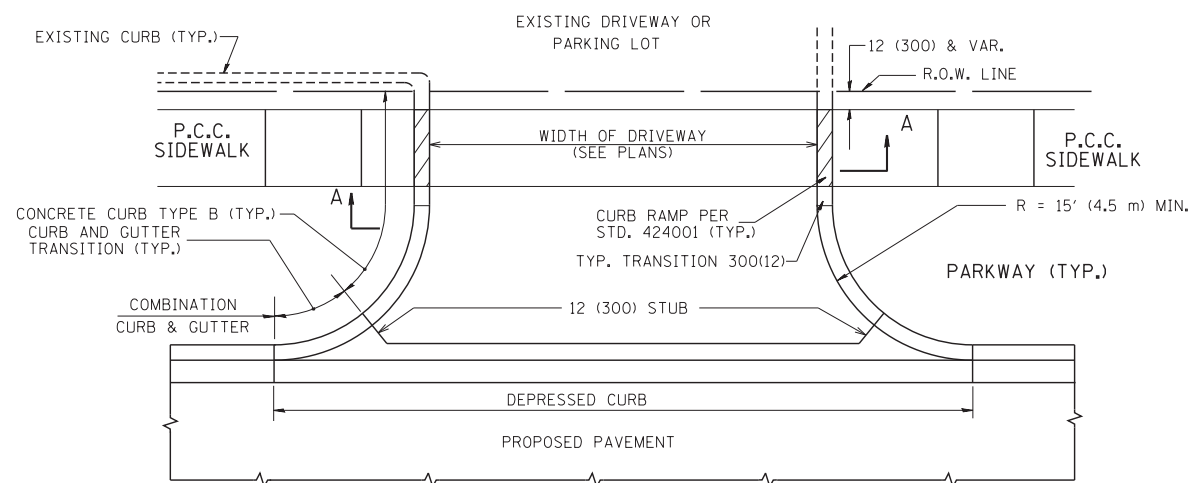
SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 60+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	95
<b>CONTRACT NO. 62407</b>				
ILLINOIS FED. AID PROJECT				

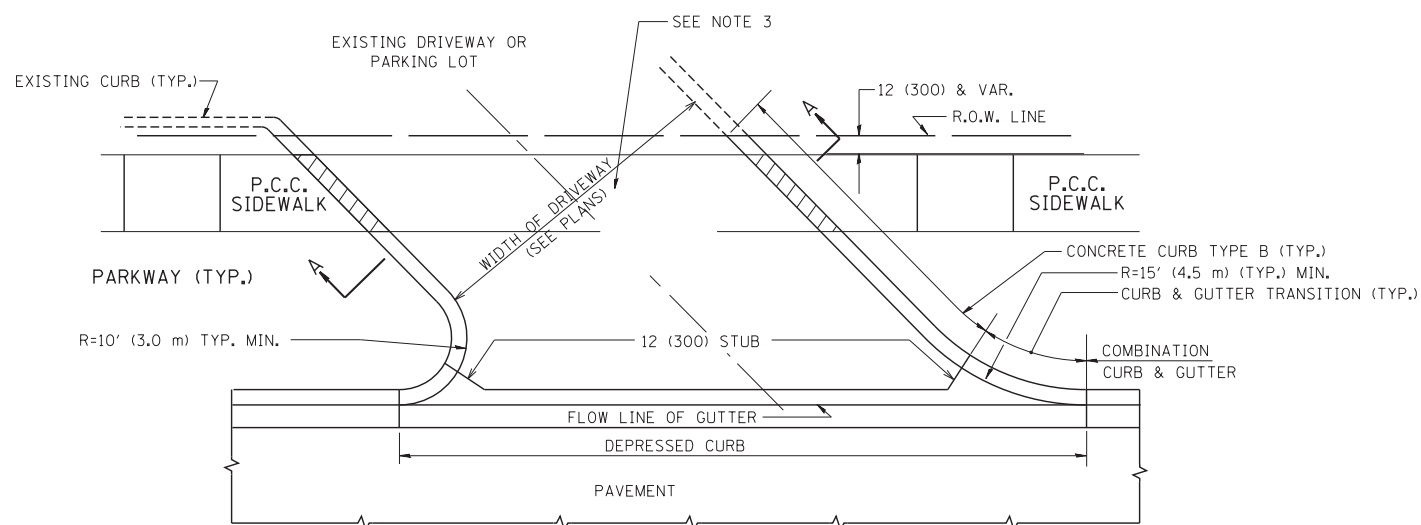


8501 N. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 72 AT BIG TIMBER ROAD</b> <b>SIGNING PLAN</b>			F.A.P. RTE. 341	SECTION 109N-3	COUNTY KANE	TOTAL SHEETS 209	SHEET NO. 96	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. 135+00 TO STA. 165+00	<b>CONTRACT NO. 62407</b>				
	PLOT DATE = 3/13/2015	DATE - 3/16/2015	REVISED -			ILLINOIS FED. AID PROJECT							

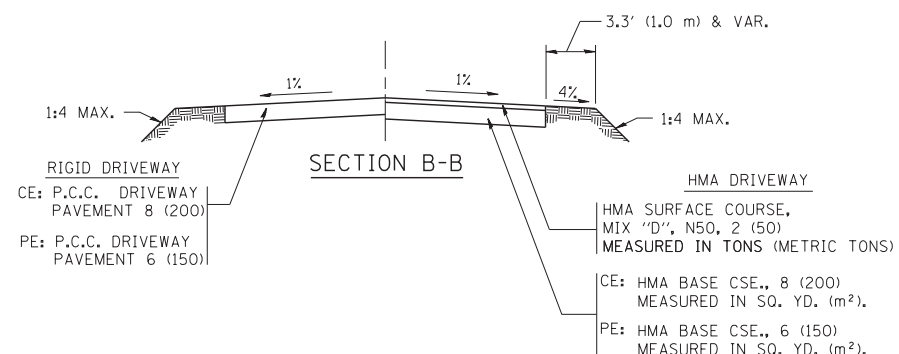
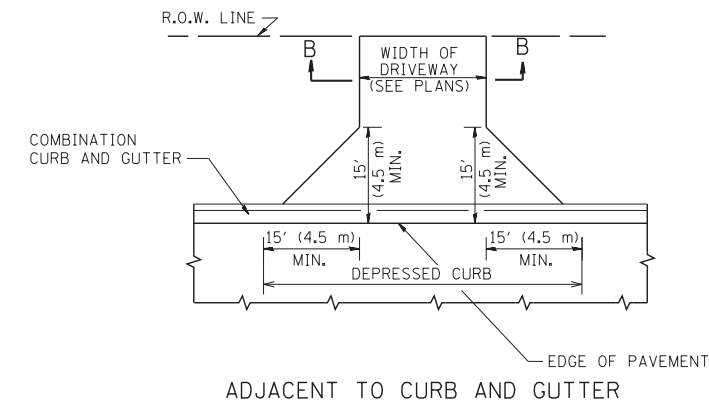
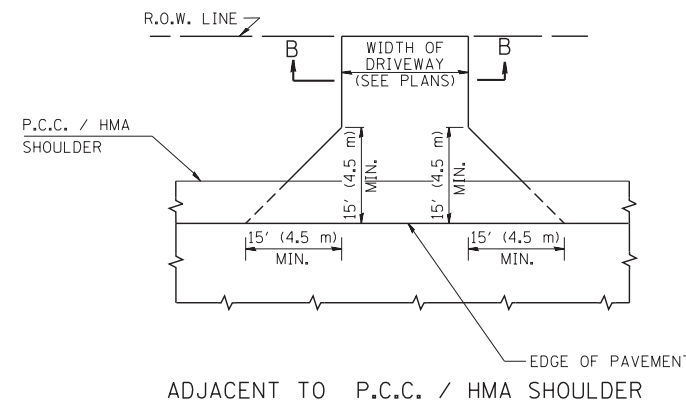
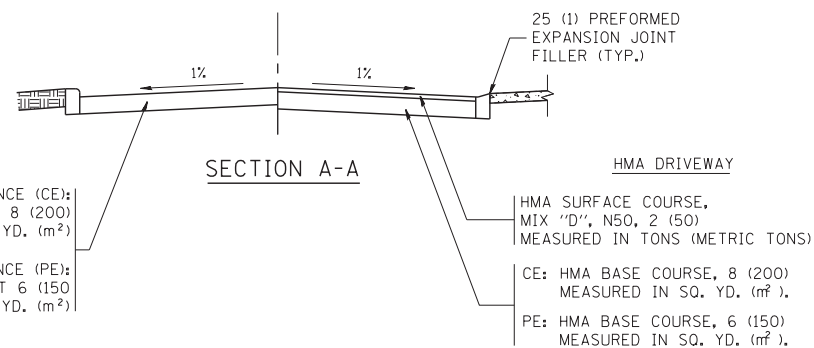




WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

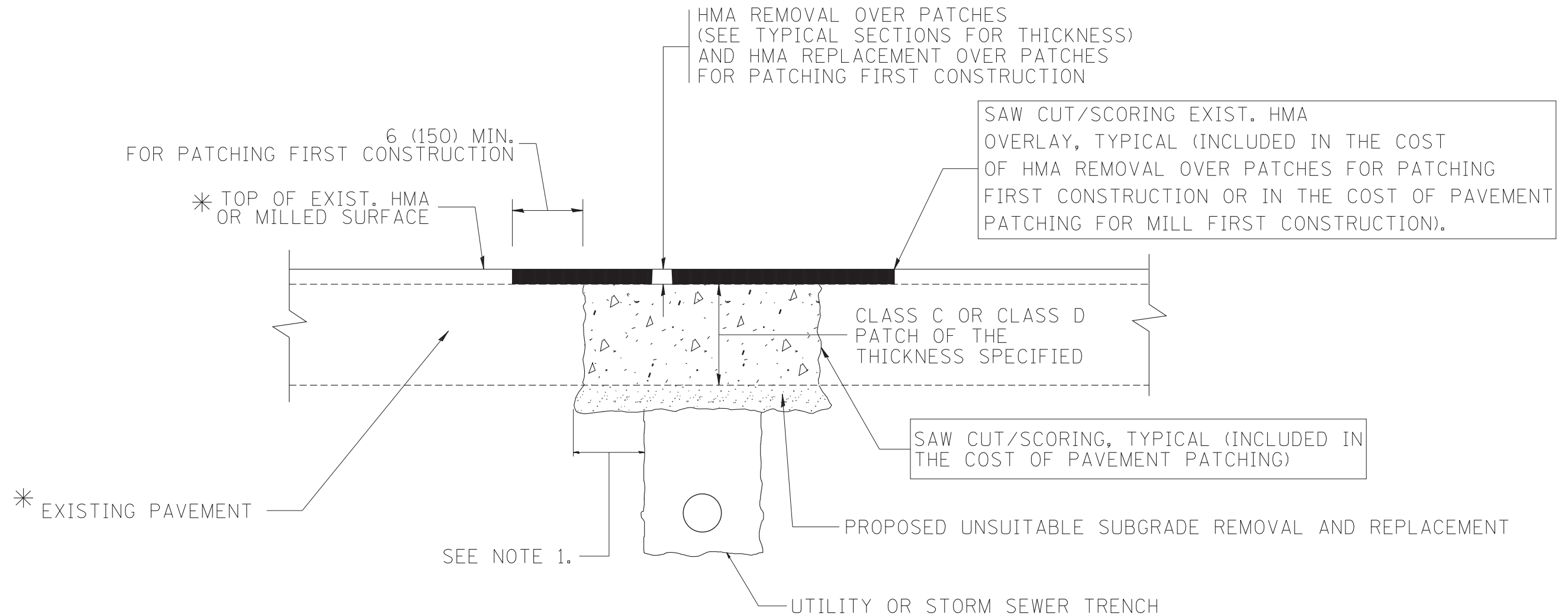
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = lryso	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
ct:\pw\work\p\idot\lryso\d0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	97
BD0156-07 (BD-01)			CONTRACT NO. 62407	
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.

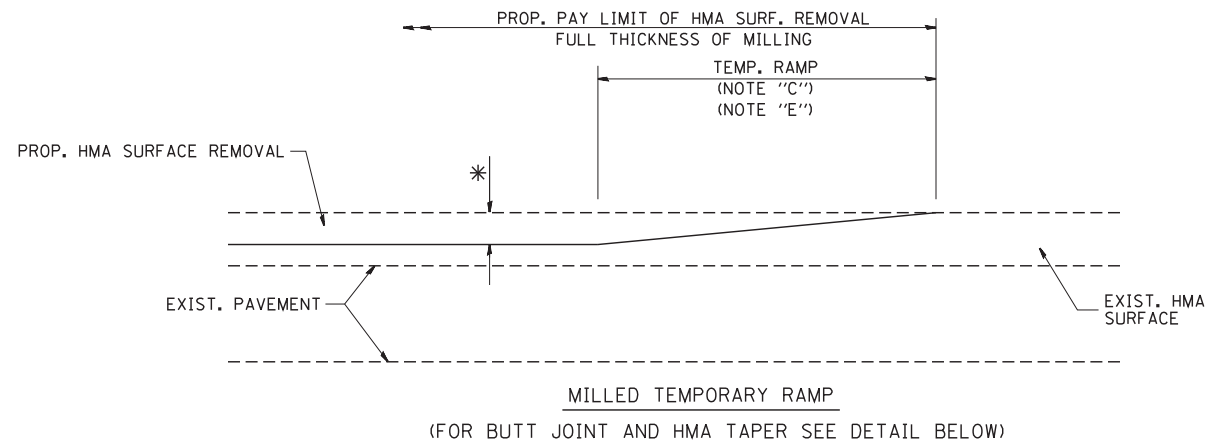
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08

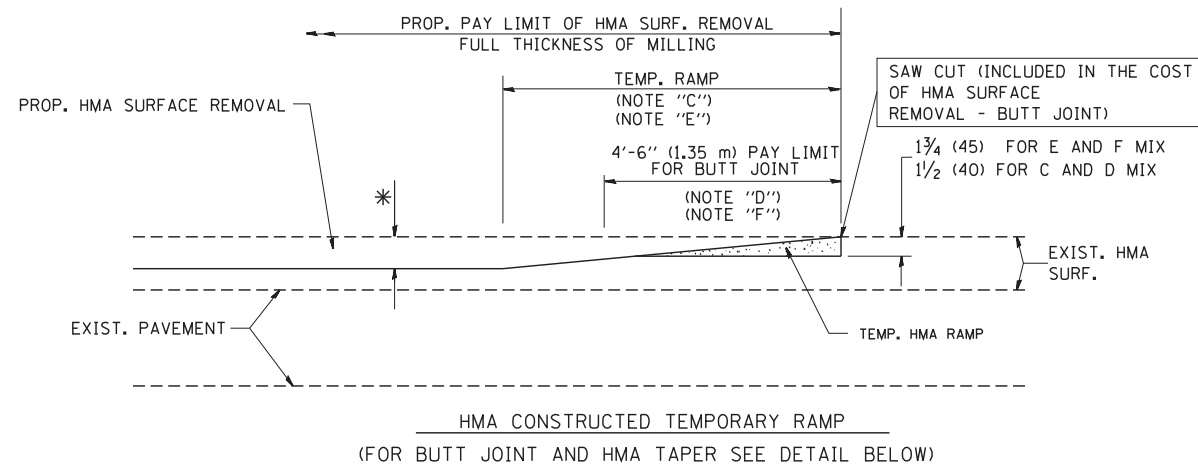
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	98
<b>BD400-04 (BD-22)</b>			CONTRACT NO. 62407	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

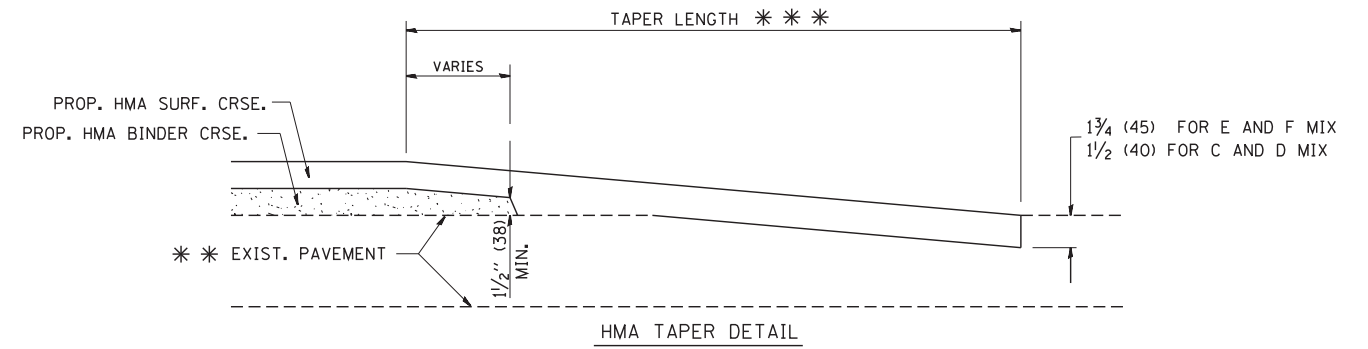
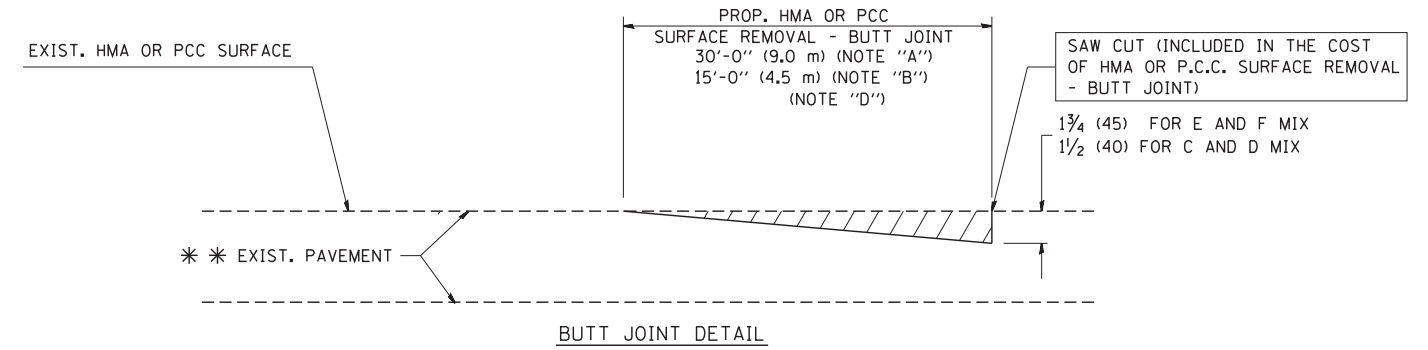


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



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

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

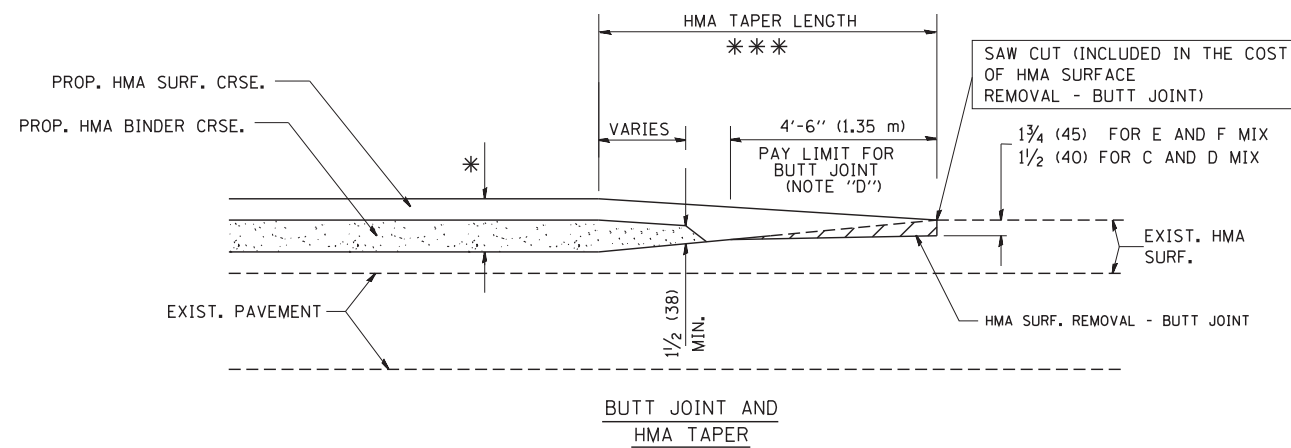
**NOTES**

- 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.



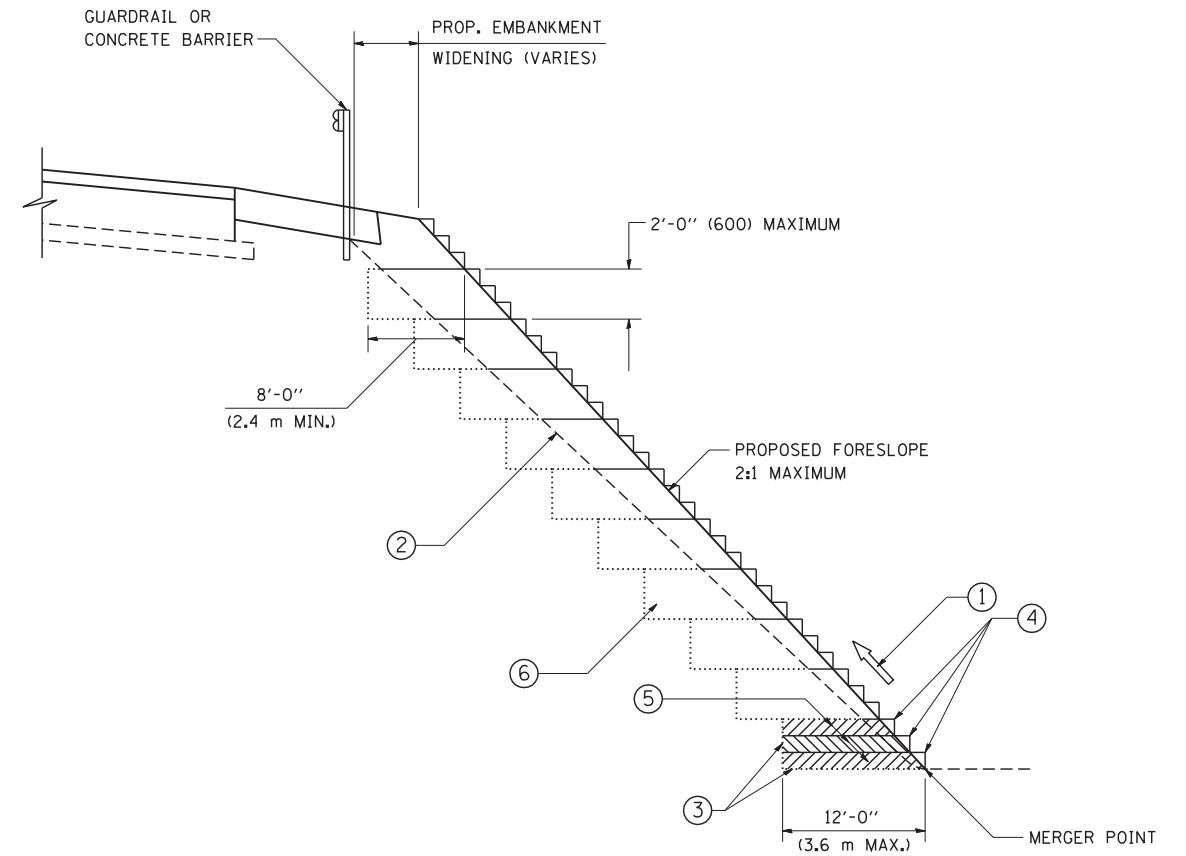
**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gajlonobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	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.
341	109N-3	KANE	209	99
<b>BD400-05 BD32</b>			CONTRACT NO. 62407	
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.

FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gegl10nbt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

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

<b>BENCHING DETAIL</b>			
<b>FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	109N-3	KANE	209	100
<b>BD-51</b>			CONTRACT NO. 62407	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				