

08-01-14 LETTING ITEM 020

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 345 (US ROUTE 20)
AT IL ROUTE 47 /IL ROUTE 72 (SOUTH JUNCTION)
(SOUTH JUNCTION)

LEFT TURN LANES, TRAFFIC SIGNAL MODERNIZATION & LIGHTING

PROJECT: ACCM-0345 (060)

STRUCTURE NO: 045-0260 & 045-0228

KANE COUNTY

C-91-297-12

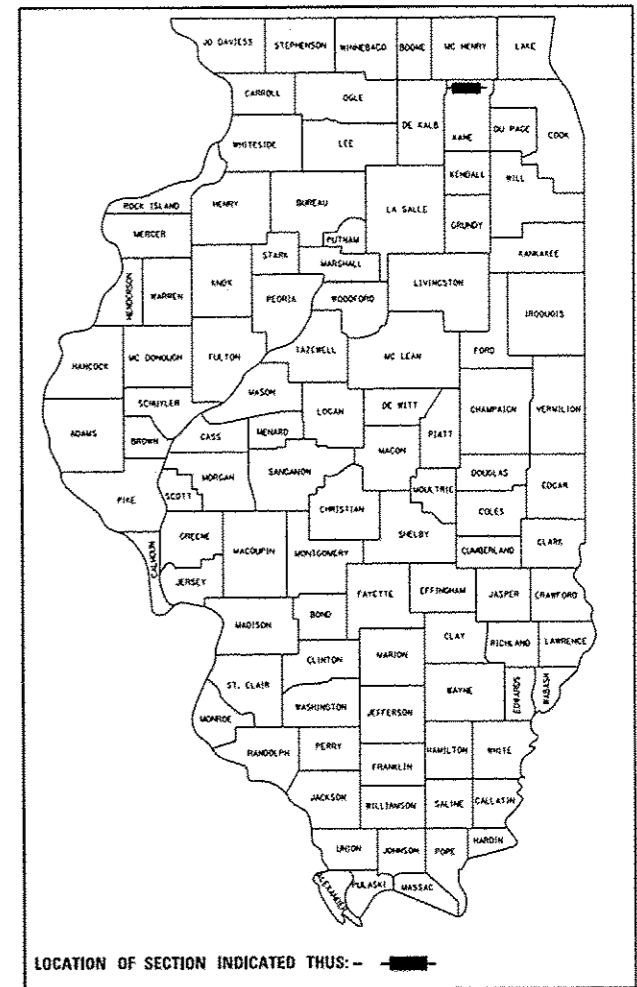
SECTION 106-S-N-2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	1
ILLINOIS CONTRACT NO. 60T09				

D-91-297-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN
VILLAGE OF PINGREE GROVE



FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL

EAST LEG: 2011 ADT=7,550 POSTED SPEED=55 MPH

WEST LEG: 2011 ADT=8,800 POSTED SPEED=55 MPH

NORTH LEG: 2011 ADT=15,500 POSTED SPEED=45 MPH

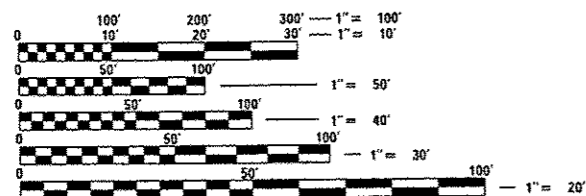
SOUTH LEG: 2011 ADT=15,500 POSTED SPEED=45 MPH

PROJECT BEGINS
STA. 59 + 60

PROJECT ENDS
STA. 129 + 00

PROJECT ENDS
STA. 81 + 00

PROJECT BEGINS
STA. 110 + 70



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

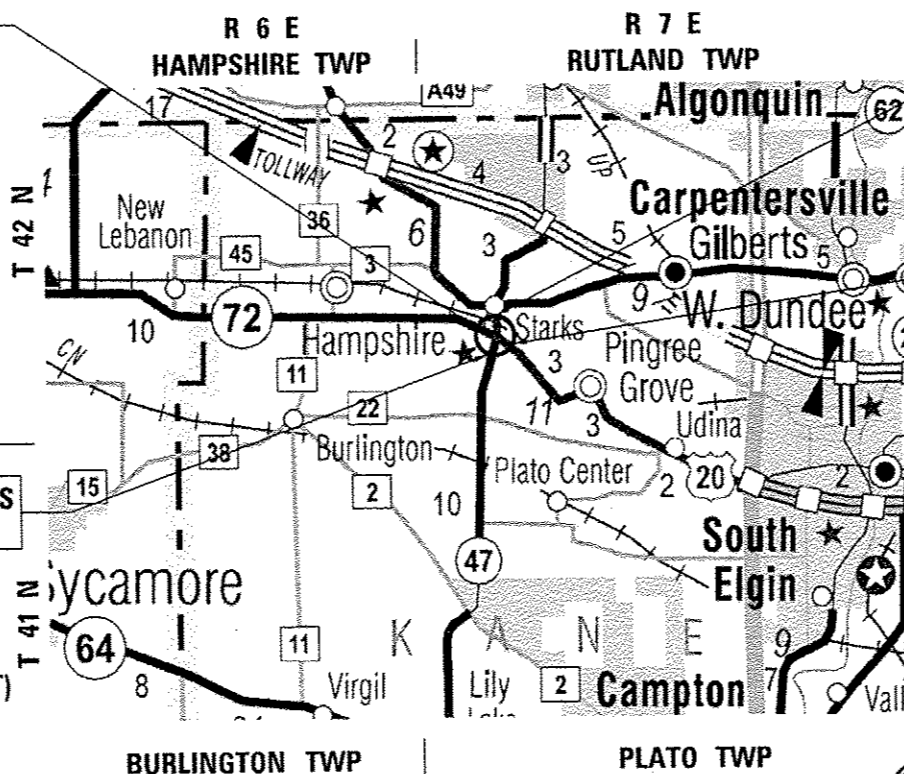
DISTRICT ONE -

PROJECT MANAGER: DANIEL WILGREEN

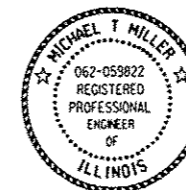
(847) 705-4240 (IDOT)

PROJECT ENGINEER: BEHZAD AMINI

(312) 857-1006 (DBS)



LOCATION MAP
N.T.S.



LICENSE EXPIRATION DATE 3/31/2015
3/26/14
SIGNATURE, DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 31, 2014

John D. Baranzelli, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

June 27, 2014

Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 60T09

GROSS LENGTH = 3,970 FEET = 0.75 MILE

NET LENGTH = 3,970 FEET = 0.75 MILE



DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312) 957-1000 FAX. (312) 957-1056

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND COMMITMENTS
4-16	SUMMARY OF QUANTITIES
17-21	EXISTING AND PROPOSED TYPICAL SECTIONS
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26-27	EXISTING CONDITIONS AND REMOVAL PLAN
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107	(BD-01) DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER > 15' (4.5 m)
108	(BD-02) DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m)
109	(BD-07) DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
110	(BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
111	(BD-32) BUTT JOINT AND HMA TAPER DETAILS
112	(BE-215) LIGHTING CONTROLLER SINGLE DOOR
113	(BE-220) ELECTRICAL SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
114	NOT USED
115	NOT USED
116	(BE-301) LIGHT POLE FOUNDATION, 40' (12.192 m) TO 47 1/2' (14.478 m), MANHOLE 15" (381 mm) BOLT CIRCLE
117	(BE-410) DAVIT LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
118	(BE-701) LUMINAIRE SAFETY CABLE ASSEMBLY
119	(BE-702) MISCELLANEOUS ELECTRICAL DETAIL SHEET A
120	(BE-800) TEMPORARY LIGHT POLE DETAILS
121	(BE-801) TEMPORARY AERIAL CABLE INSTALLATION
122	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
123	(TC-11) TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
124	(TC-13) DISTRICT ONE TYPICAL PAVEMENT MARKINGS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
125	(TC-14) TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
126	(TC-16) PAVEMENT MARKING LETTER AND SYMBOLS FOR TRAFFIC STAGING
127	(TC-22) ARTERIAL ROAD INFORMATION SIGN
128-134	(TS-05) DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
135-147	CROSS SECTIONS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEM
353001-04	PCC BASE COURSE, WITH HMA BINDER AND SURFACE COURSES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-04	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm)
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
542311-05	TRAVERSABLE PIPE GRATE
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET TYPE A
602401-03	MANHOLE - TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND CUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-04	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
643001-02	SAND MODULE IMPACT ATTENUATORS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
707901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	CONCRETE HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

FILE NAME = #FILE#

USER NAME = #USER#	DESIGNED - MTM	REVISED - 4/25/14 BA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN - MTM	CHECKED - BA	REVISED -			345	106-S-N-2	KANE	147	2	
PLOT SCALE = #SCALE#	DATE - 3/31/14	REVISED -			CONTRACT NO. 60709					
PLOT DATE = #DATE#	DATE - 3/31/14	REVISED -			ILLINOIS FED. AID PROJECT					
#MODELNAME#			SCALE: N.T.S.		SHEET 1 OF 2 SHEETS		STA. TO STA.			

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 (REFERRED TO AS THE STANDARD SPECIFICATIONS), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".
2. 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).
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, KANE COUNTY AND THE CONTRACTOR WHO CONSTRUCTS THE NORTH JUNCTION CONTRACT 6010.
4. THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
5. THE CONTRACTOR SHALL NOTIFY THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE CONTRACTOR SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
7. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
9. DRAINAGE ADJUSTMENT OR RE-CONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
11. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
14. WHEN CONSTRUCTION OPERATIONS ON TWO-LANE ROADS OPEN TO TRAFFIC RESULT IN THE REMOVAL OR COVERING OF ANY PAVEMENT MARKING INDICATING PASSING RESTRICTIONS, "NO PASSING ZONES STRIPED NEXT ----- MILES" SIGNS SHALL BE USED. THE CONTRACTOR SHALL PLACE THE SIGNS AT THE BEGINNING OF THE UNSTRIPED AREA, JUST BEYOND EACH MAJOR INTERSECTION WITHIN THE UNSTRIPED AREA, AND AT SUCH LOCATIONS AS THE ENGINEER MAY DIRECT TO ENSURE A MINIMUM SPACING OF FIVE MILES.
15. THE CONTRACTOR SHALL REPLACE ALL THE PAVEMENT MARKINGS AS LAID OUT IN THE FIELD AS DIRECTED BY THE ENGINEER.
16. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGE OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. ANY PGE NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO COMPENSATION TO THE CONTRACTOR.

17. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN 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.

18. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFF SITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.5.a AND b OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME: G:\Projects\ILLINOIS Department of Transportation\11B 102 - Item 7 - Various Various Work Order No. 11 (Scale) - 05 20 at 11:47 & 11:52 C:\Users\m\OneDrive\Documents\11B 102 - Item 7 - Various Various Work Order No. 11 (Scale) - 05 20 at 11:47 & 11:52.dwg

USER NAME = gshafiqh DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISIONS REVISION NO. DESCRIPTION - - - - - - - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES	F.A.P. RTE. SECTION COUNTY TOTAL SHEET NO. 345 106-3-4-2 KANE 147 3 CONTRACT NO. 60T09
SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.				ILLINOISIFIED AID PROJECT

L4E0L,01 | L4OEL,01 | 07R0L | L4OEL,02

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
Δ A2004816	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10					
Δ A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	22	22					
Δ B2000964	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	50	50					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	145	145					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	285	285					
20200100	EARTH EXCAVATION	CU YD	10,091	10,091					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8354	8354					
20700220	POROUS GRANULAR EMBANKMENT	CU YD	153	153					
20800150	TRENCH BACKFILL	CU YD	1,162	1,162					
20900110	POROUS GRANULAR BACKFILL	CU YD	434	434					
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	27,619	27,619					
Δ 25000210	SEEDING, CLASS 2A	ACRE	5.6	5.6					
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	513	513					
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	513	513					
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	513	513					

Δ Specialty Item

FILE NAME = #FILE#

USER NAME = #USER#	DESIGNED - MTM	REVISED -
DRAWN - MTM	CHECKED - BA	REVISED -
PLOT SCALE = #SCALE#	DATE - 3/31/14	REVISED -
PLOT DATE = #DATE#		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 1	OF 13 SHEETS	STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	4
CONTRACT NO. 60T09			ILLINOIS FED. AID PROJECT	

Rev.

FILE NAME: C:\p\proj\11\11815\Department of Transportation\PH_112 - Item 2 - Various Services\Work Order No. 11 (5040) - 05_20 at 11.47 & B. 2\2\2\11\11815\Sheets\11815PH_112.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				0004	0021	0021	0021	0021
				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE TRAFFIC SIGNALS	80% FEDERAL 20% STATE INTERCONNECT	100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	80% FEDERAL 20% STATE LIGHTING
Δ 25100135	MULCH, METHOD 4	ACRE	5.70	5.70				
Δ 25100630	EROSION CONTROL BLANKET	SO YD	27,616	27,616				
28000305	TEMPORARY DITCH CHECKS	FOOT	1,750	1,750				
28000315	AGGREGATE DITCH CHECKS	TON	3	3				
28000400	PERIMETER EROSION BARRIER	FOOT	8,009	8,009				
28000510	INLET FILTERS	EACH	18	18				
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	8,368	8,368				
28100101	STONE RIPRAP, CLASS A1	SO YD	90	90				
28100107	STONE RIPRAP, CLASS A4	SO YD	41	41				
28200200	FILTER FABRIC	SO YD	182	182				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	857	857				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	4,225	4,225				
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	5,996	5,996				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	239	239				

14 Δ Specialty Item

Rev.

USER NAME = ghrifcsh PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 4/2/2014	DESIGNED - MTM	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MTM	REVISIONS -					345	106-S-N-2	KANE	147	5
	CHECKED - BA	REVISIONS -		SCALE: N.T.S. SHEET 2 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 60T09		ILLINOIS FED. AID PROJECT		
	DATE - 3/31/14	REVISIONS -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				0004	0021	0021	0021	0021		
				80% FEDERAL	80% FEDERAL	80% FEDERAL	100% VILLAGE OF	80% FEDERAL		
				20% STATE	20% STATE	20% STATE	PINGREE GROVE	20% STATE		
ROADWAY	TRAFFIC	INTERCONNECT	FIRE PROT. DIST.	LIGHTING						
35600710	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"	SO YD	3,548	3,548						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	70	70						
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	869	869						
40600895	CONSTRUCTING TEST STRIP	EACH	1	1						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	182	182						
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	215	215						
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	27	27						
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	2,578	2,578						
42001300	PROTECTIVE COAT	SO YD	11	11						
44000100	PAVEMENT REMOVAL	SO YD	4,777	4,777						
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	17,024	17,024						
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SO YD	1,691	1,691						
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	681	681						
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	341	341						

FILE NAME: #FILES#
SMT_PLAN

13

USER NAME: #USER#	DESIGNED - MTM	REVISED -
PLOT SCALE: #SCALE#	DRAWN - MTM	REVISED -
PLOT DATE: #DATE#	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	6
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

REV.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	170	170					
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	345	345					
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	2,447	2,447					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	6,184	6,184					
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2	2					
50105220	PIPE CULVERT REMOVAL	FOOT	28	28					
50200100	STRUCTURE EXCAVATION	CU YD	166	166					
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	72	72					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1290	1290					
50300225	CONCRETE STRUCTURES	CU YD	9.9	9.9					
50800515	BAR SPLICERS	EACH	148	148					
50300300	PROTECTIVE COAT	SQ YD	4	4					
51500100	NAME PLATES	EACH	1	1					
54003000	CONCRETE BOX CULVERTS	CU YD	118	118					
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	20	20					
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	80	80					
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	70	70					

FILE NAME = WFILEL

SHT. PLAN

USER NAME = *USER*	DESIGNED - MTM	REVISED -
DRAWN - MTM	CHECKED - BA	REVISED -
PLOT SCALE = *SCALE*	DATE - 3/31/14	REVISED -
PLOT DATE = *DATE*		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T09	

Rev.

FILE NAME : G:\Projects\ILLINOIS Department of Transportation\16162 - Item 7 - Various Pavement Work Order No. H (Rev.03) 105 2/0 at R. 47 & J. 2\ANG\Civil\Drawn Sheets\1616209.dgn
 SHEET PLAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				0004	0021	0021	0021	0021						
				80% FEDERAL	80% FEDERAL	80% FEDERAL	100% VILLAGE OF	80% FEDERAL						
				20% STATE	20% STATE	20% STATE	PINGREE GROVE	20% STATE						
				ROADWAY	TRAFFIC	INTERCONNECT	FIRE PROT. DIST.	LIGHTING						
					SIGNALS		SAFETY (EVP)							
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2										
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1										
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1										
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2										
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	616	616										
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	877	877										
60107700	PIPE UNDERDRAINS 6"	FOOT	1,613	1,613										
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	9										
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1										
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4										
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	300	300										
63200310	GUARDRAIL REMOVAL	FOOT	450	450										
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2										
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12										

14

USER NAME = ahriejsh	DESIGNED - MTM	REVISED -
DRAWN - MTM	CHECKED - BA	REVISED -
DATE - 3/31/14		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
345	106-5-N-2	KANE	147 8
			CONTRACT NO. 60T09
ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				0004	0021	0021	0021	0021
				80% FEDERAL	80% FEDERAL	80% FEDERAL	100% VILLAGE OF	80% FEDERAL
				20% STATE	20% STATE	20% STATE	PINGREE GROVE	20% STATE
			ROADWAY	TRAFFIC	INTERCONNECT	FIRE PROT. DIST.	LIGHTING	
				SIGNALS		SAFETY (EVP)		
67100100	MOBILIZATION	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90	90				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19,170	19,170				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	473	473				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,587	10,587				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,207	2,207				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	368	368				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	187	187				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	6,390	6,390				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,588	1,588				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	988	988				
70600270	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	6	6				
70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	4	4				
△ 72000100	SIGN PANEL - TYPE 1	SO FT	9		9			

△ SPECIALTY ITEM

FILE NAME * #FILE# SMT_PLAN	USER NAME * #USER#	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * #SCALE#	DRAWN - MTM	REVISED -					345	106-S-N-2	KANE	147	9
	PLOT DATE * #DATE#	CHECKED - BA	REVISED -					SCALE: N.T.S. SHEET 6 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 60T09	
		DATE - 3/31/14	REVISED -					ILLINOIS FED. AID PROJECT				

11

I:\E:\Projects\1112015\Drawings\1112015\102 - Item 7 - Various Pavement Markings - Order No. 11 - 1112015\1112015.dwg
 User: jay@state.gov
 Date: 4/1/2014 10:28:15 AM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
Δ 72000200	SIGN PANEL - TYPE 2	SO FT	78		78				
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	473	473					
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,152	18,152					
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,207	2,207					
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	368	368					
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	187	187					
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	388	388					
Δ 78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	28	28					
78300100	PAVEMENT MARKING REMOVAL	SO FT	273	273					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	371	371					
Δ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					1	
Δ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1					1	
Δ 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1				
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,226		2,035	1,191			

Δ SPECIALTY ITEM

SMT_PLAN	USER NAME = jay@state.gov	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLT SCALE = 1/8" = 1'-0"	DRAWN - MTM	REVISED -		SCALE: N.T.S.	SHEET 7 OF 13 SHEETS	STA. TO STA.	345	106-5-N-2	KANE	147
	PLT DATE = 4/1/2014	CHECKED - BA	REVISED -							CONTRACT NO. 60T09	
		DATE = 3/31/14	REVISED -							ILLINOIS FED. AID PROJECT	

FILE NAME: C:\projects\111111\111111.dwg Plot Date: 4/1/2014 10:28:15 AM at 11:47:18 AM User: m...
 Item 7 - Various Services\Work Order No. 11 104811 - 104814 111111.dwg
 SMT_Plan

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
△ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	183		58			125	
△ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	103		103				
△ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,356		516			840	
△ 81400200	HEAVY-DUTY HANDHOLE	EACH	12		11	1			
△ 81400300	DOUBLE HANDHOLE	EACH	2		2				
△ 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	6,035					6,035	
△ 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	140					140	
△ 81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	420					420	
△ 81800300	AERIAL CABLE 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1,270					1,270	
△ 82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	30					30	
△ 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	6					6	
△ 82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 100AMP	EACH	1					1	
△ 83050805	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. DAVIT ARM	EACH	26					26	
△ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	338					338	

△ SPECIALTY ITEM

USER NAME: c...@... DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE: N.T.S.	SHEET 8 OF 13 SHEETS	STA. TO STA.	F.A.P. RTE. 345	SECTION 106-S-N-2	COURTY KANE	TOTAL SHEETS 147	SHEET NO. 11	CONTRACT NO. 60T09	ILLINOIS FED. AID PROJECT
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Rev.

FILE NAME: G:\Projects\11 INDS Dept of Transportation\1102 - Item 7 - Various Vertical Work Order No. 11 (South) 05 26 of 11 - 47 A 11 - 2\Drawings\1102\Sheet\110209.dwg
 SHEET PLAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
△ 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	26					26	
△ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6					6	
△ 84200804	REMOVAL OF POLE FOUNDATION	EACH	6					6	
△ 85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1						
△ 86000100	MASTER CONTROLLER	EACH	1						
△ 86400100	TRANSCIEVER-FIBER OPTIC	EACH	1		1				
△ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	2,789			2,789			
△ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	313				313		
△ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	305		305				
△ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,229		3,229				
△ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,310		3,310				
△ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	170		170				
△ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	888		888				
△ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4				

△ SPECIALTY ITEM

14

USER NAME: E. SPANGLER	DESIGNED - MTM	REVISED -
PLGT SCALE: 1/8" = 1'-0"	DRAWN - MTM	REVISED -
PLGT DATE: 4/1/2014	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	12
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE				
0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING
△ 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1			
△ 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2		2			
△ 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1			
△ 87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1		1			
△ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20			
△ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
△ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56		56			
△ 87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2			2		
△ 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1		1			
△ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7		7			
△ 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3			
△ 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1			
△ 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8		8			
△ 88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10			

△ SPECIALTY ITEM

FILE NAME: G:\Projects\1311112\Department of Transport\Addition\1311112.dwg User: M. J. ...

USER NAME: M. J. ...	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE: 1/8" = 1'-0"	DRAWN - MTM	REVISED -					345	106-S-N-2	KANE	147	13
PLOT DATE: 4/1/2014	CHECKED - BA	REVISED -		SCALE: N.T.S. SHEET 10 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 60T09				
DATE: 3/31/14	DATE: 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT							

I:\Projects\11110115 - Signal Work of Interstate 55\11110115 102 - Item 7 - Various Variants\Work Order files 11110115 102 - 11110115 Civil\Standard Sheets\11110115 102 - 11110115 102.dgn
 PLOT DATE = 4/2/2014
 PLOT SCALE = 1/8" = 1' 0"
 USER NAME = gmojaf,sn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL	0021 80% FEDERAL	0021 80% FEDERAL	0021 100% VILLAGE OF	0021 80% FEDERAL	
				20% STATE ROADWAY	20% STATE TRAFFIC SIGNALS	20% STATE INTERCONNECT	PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	20% STATE LIGHTING	
△ 88600100	DETECTOR LOOP, TYPE I	FOOT	712		712				
△ 88700200	LIGHT DETECTOR	EACH	3				3		
△ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1		
△ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
△ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,021			2,021			
△ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
△ 89502380	REMOVE EXISTING HANDHOLE	EACH	2		2				
△ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,236				1,236		
X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU YO	19.7		19.7				
△ X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	978			978			
△ X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	6					6	
X0327301	RELOCATE EXISTING MAILBOX	EACH	2		2				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	82		82				
△ X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.15		0.15				
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	80,199		80,199				

△ SPECIALTY ITEM

Rev.

FILE NAME: G:\Projects\ILLINOIS Department of Transportation\162 - Item 7 - Various Vertical Work Order No. 11 (South) US 28 at IL 47 & IL 72\Civil\Cadd Sheets\162\162-11-500.dgn
 SHT.PLAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
				X5401203	PRECAST CONCRETE BOX CULVERTS 12' X 3' (SPECIAL)	FOOT	104	104	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
Δ X8140215	HEAVY-DUTY HANDHOLE TO BE ADJUSTED	EACH	1			1			
Δ X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1		1				
Δ X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1		1				
Δ X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1			1			
Δ X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,815			2,815			
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SO YD	83	83					
⊙ Z0010614	CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	2			2			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0026402	FURNISH SOLDIER PILES (HP SECTION)	FOOT	108	108					
⊙ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	5					
Z0026407	TEMPORARY SHEET PILING	SO FT	833	833					
Z0028450	GEOTEXTILE FABRIC FOR RAILROAD CROSSING	SO YD	1,508	1,508					
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51	51					
Δ Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	30					30	
Δ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12					12	
Δ Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1			1			

Δ SPECIALTY ITEM

⊙ 100% STATE (NP)

Rev.

USER NAME: christfish DESIGNED - MTM DRAWN - MTM CHECKED - BA PLOT DATE: 4/2/2014	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: N.T.S. SHEET 12 OF 13 SHEETS STA. TO STA.	F.A.P. RTE. 345 SECTION 106-S-N-2 COUNTY KANE TOTAL SHEETS 147 SHEET NO. 15 CONTRACT NO. 60T09 ILLINOIS FED. AID PROJECT
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				0004 80% FEDERAL 20% STATE ROADWAY	0021 80% FEDERAL 20% STATE TRAFFIC SIGNALS	0021 80% FEDERAL 20% STATE INTERCONNECT	0021 100% VILLAGE OF PINGREE GROVE FIRE PROT. DIST. SAFETY (EVP)	0021 80% FEDERAL 20% STATE LIGHTING	
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	2,310	2,310					
Z0062456	TEMPORARY PAVEMENT	SQ YD	3,721	3,721					
Z0064800	SELECTIVE CLEARING	UNIT	3	3					
Δ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
∅ Z0076600	TRAINEES	HOUR	500	500					
∅ Z0076604	TRAINEES-TRAINING PROGRAM GRADUATE	HOUR	500	500					
Xo323261	TEMPORARY SEDIMENT BASIN	EACH	7	7					
54011203	PRECAST CONCRETE BOX CULVERTS 12' X 3'	FOOT	109	109					

7
D0042 TRAINEES

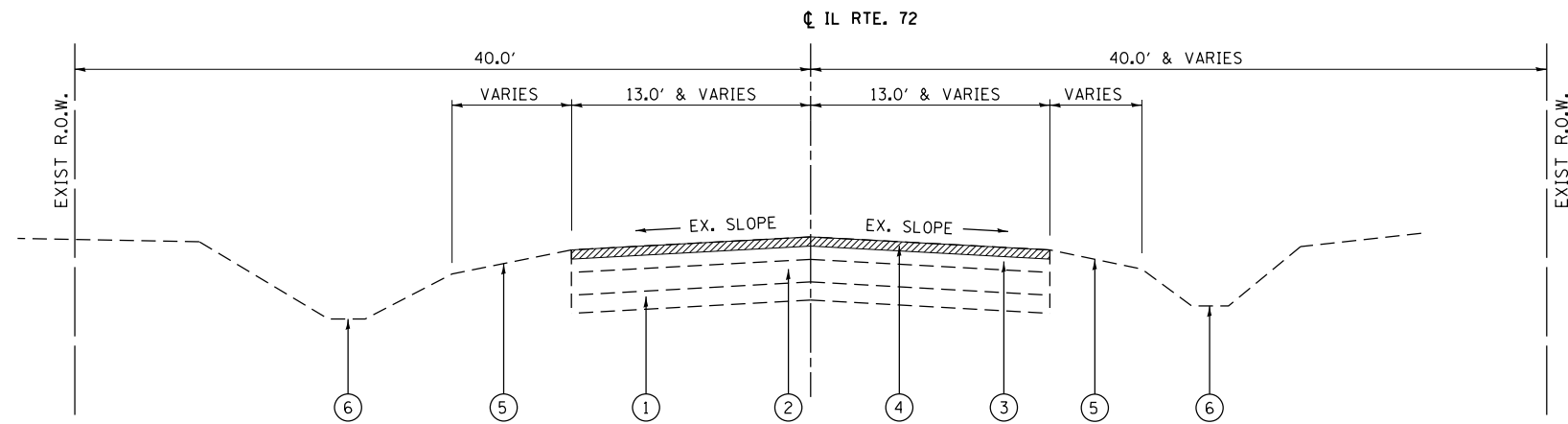
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	DRAWN - MTM	REVISED -
PLOT SCALE * #SCALE#	CHECKED - BA	REVISED -
PLOT DATE * #DATE#	DATE - 3/31/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	16
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

Rev.



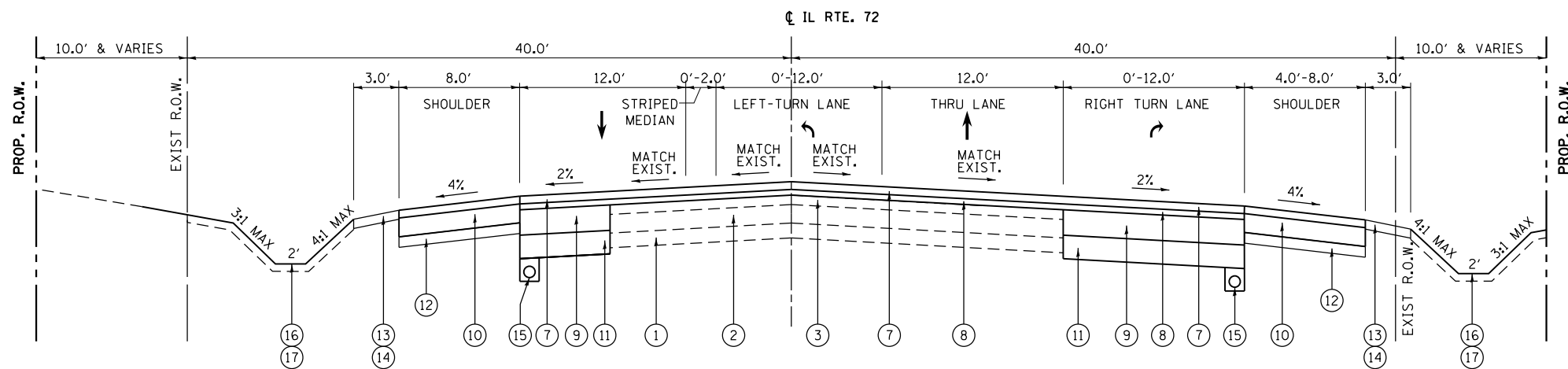
EXISTING TYPICAL SECTION

IL ROUTE 72

STA. 59+60 TO STA. 70+00
(LOOKING EAST)

2 1/2" HMA PAVEMENT SURFACE REMOVAL

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.



PROPOSED TYPICAL SECTION

IL ROUTE 72

STA. 59+60 TO STA. 70+00
(LOOKING EAST)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

LEGEND

- | | |
|---|---|
| ① EXISTING AGGREGATE SUBGRADE | ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ② EXISTING P.C.C. BASE, VARIES 7.75" TO 8.50" | ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" |
| ③ EXISTING BIT. ASPHALT PAVEMENT, VARIES 8.00" TO 15.25" | ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 4" |
| ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | ⑬ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ⑤ EXISTING AGGREGATE SHOULDER | ⑭ PROPOSED GRADING AND SHAPING SHOULDERS |
| ⑥ EXISTING DITCH / GRADELINE | ⑮ PROPOSED PIPE UNDERDRAINS 6" |
| ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4" | ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 6" |
| ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" | ⑰ PROPOSED SEEDING, CLASS 2A, CLASS 4B & CLASS 4 (MODIFIED) SEE LANDSCAPING PLANS FOR LOCATIONS |
| ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2" | |

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDS AT Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
HOT-MIX ASPHALT PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4"	4% @ 90 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2" (HMA BINDER IL-19mm)	4% @ 70 GYR.	OCP
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm), 1 3/4"	4% @ 90 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT SHOULDERS, 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 1/2"	4% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/2"	4% @ 70 GYR.	OCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/OA
DRIVEWAY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.	QC/OA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 8"	4% @ 50 GYR.	QC/OA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) 2"	4% @ 50 GYR.	QC/OA
HOT-MIX ASPHALT BINDER, N50 (IL-19mm) 8"	4% @ 50 GYR.	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP)

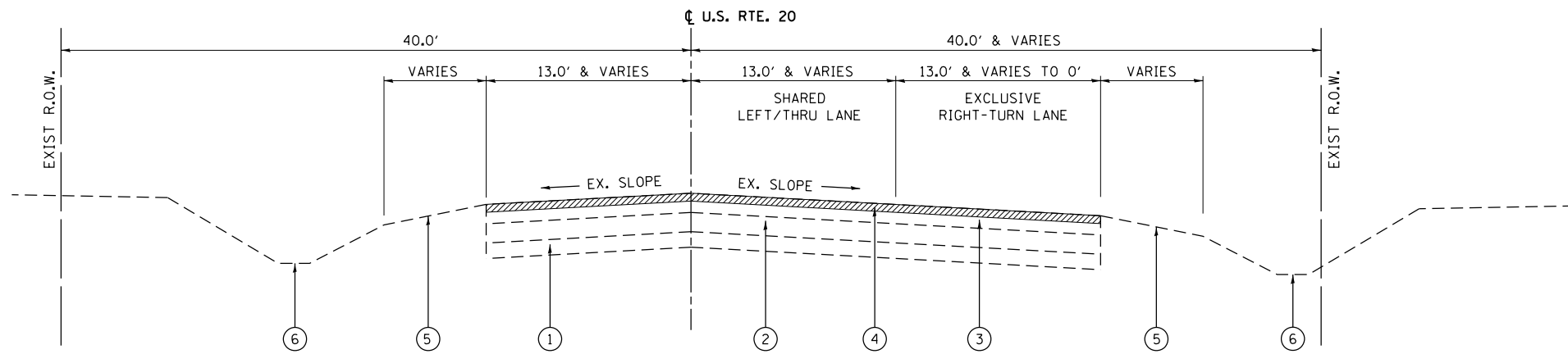
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Default		DRAWN - BA	REVISED -
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTION - SOUTH JUNCTION
IL ROUTE 72 (WEST LEG)**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

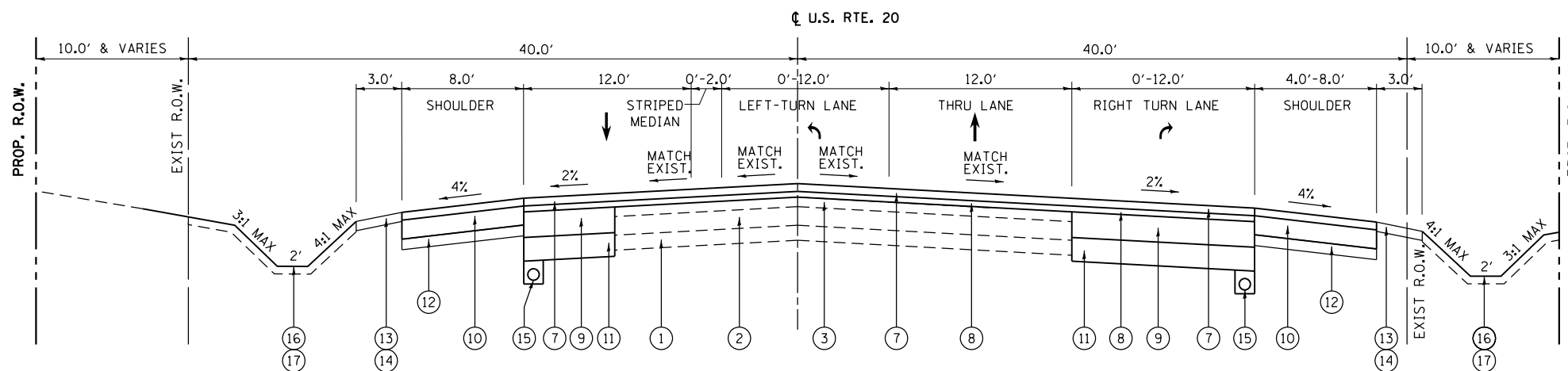
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	17
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
U.S. ROUTE 20
 STA. 70+00 TO STA. 81+00
 (LOOKING WEST)

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.

 2 1/2" HMA PAVEMENT SURFACE REMOVAL

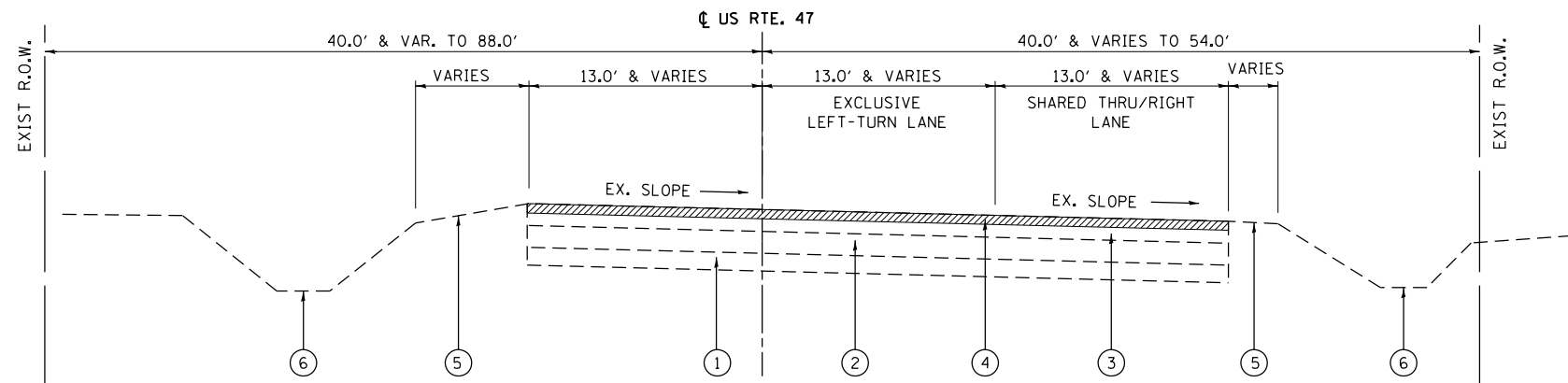


PROPOSED TYPICAL SECTION
U.S. ROUTE 20
 STA. 70+00 TO STA. 81+00
 (LOOKING WEST)

LEGEND

- | | |
|---|---|
| ① EXISTING AGGREGATE SUBGRADE | ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ② EXISTING P.C.C. BASE, VARIES 7.75" TO 8.50" | ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" |
| ③ EXISTING BIT. ASPHALT PAVEMENT, VARIES 8.00" TO 15.25" | ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 4" |
| ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | ⑬ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ⑤ EXISTING AGGREGATE SHOULDER | ⑭ PROPOSED GRADING AND SHAPING SHOULDERS |
| ⑥ EXISTING DITCH / GRADELINE | ⑮ PROPOSED PIPE UNDERDRAINS 6" |
| ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4" | ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 6" |
| ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" | ⑰ PROPOSED SEEDING, CLASS 2A, CLASS 4B & CLASS 4 (MODIFIED) SEE LANDSCAPING PLANS FOR LOCATIONS |
| ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2" | |

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - BA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION - SOUTH JUNCTION U.S. ROUTE 20 (EAST LEG)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Default	PLOT SCALE = 10.0000' / in.	DRAWN - BA					REVISED -	345	106-S-N-2	KANE	147
	PLOT DATE = 4/1/2014	CHECKED - WK	REVISED -		SCALE: N.T.S.	SHEET 2	OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 60T09		
		DATE - 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT							

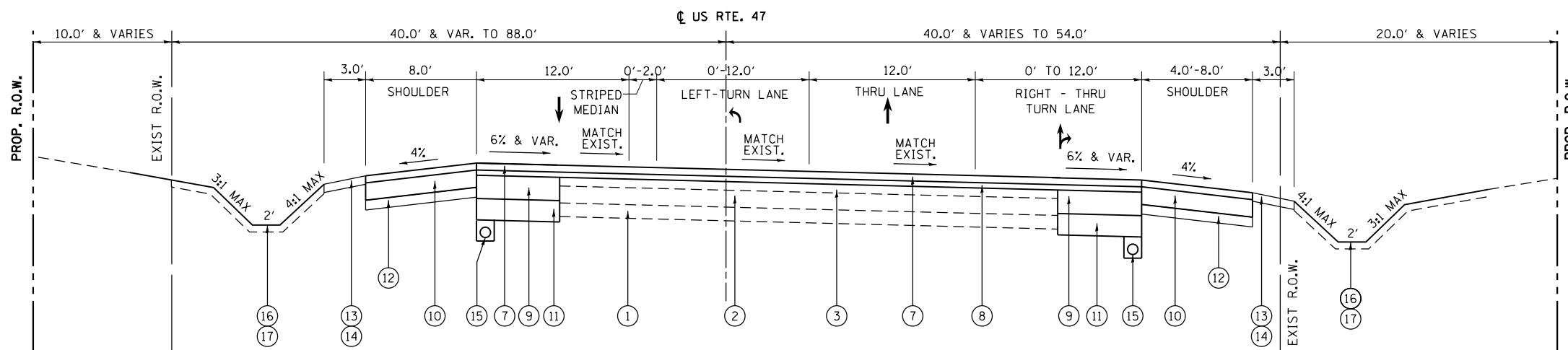


**EXISTING TYPICAL SECTION
IL ROUTE 47**

STA. 110+70 TO STA. 120+00
(LOOKING NORTH)

 2 1/2" HMA PAVEMENT SURFACE REMOVAL

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.



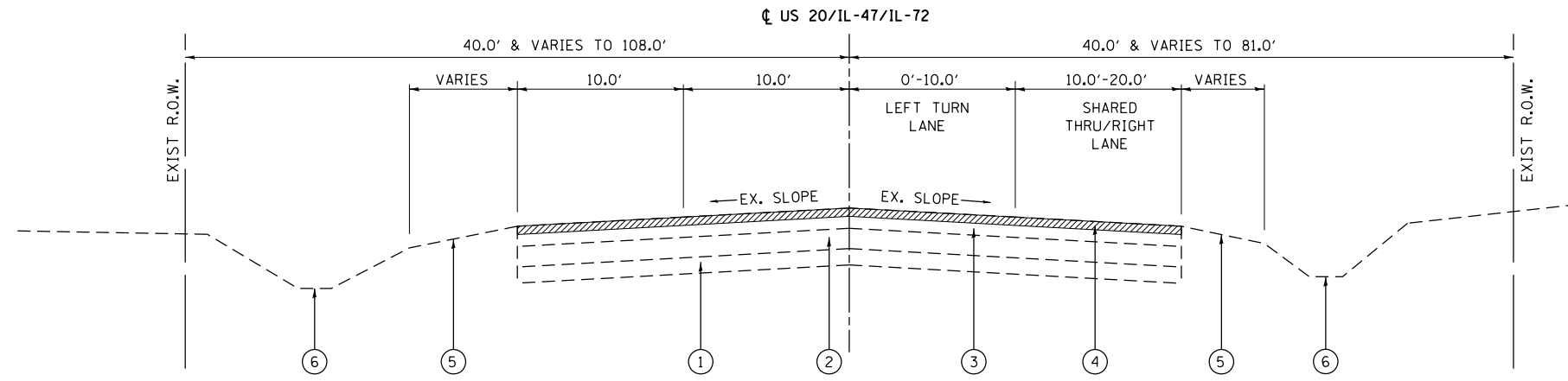
**PROPOSED TYPICAL SECTION
IL ROUTE 47**

STA. 110+70 TO STA. 120+00
(LOOKING NORTH)

LEGEND

- | | |
|---|--|
| ① EXISTING AGGREGATE SUBGRADE | ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8" |
| ② EXISTING P.C.C. BASE, VARIES 7.75" TO 8.50" | ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" |
| ③ EXISTING BIT. ASPHALT PAVEMENT, VARIES 8.00" TO 15.25" | ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 4" |
| ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | ⑬ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ⑤ EXISTING AGGREGATE SHOULDER | ⑭ PROPOSED GRADING AND SHAPING SHOULDERS |
| ⑥ EXISTING DITCH / GRADELINE | ⑮ PROPOSED PIPE UNDERDRAINS 6" |
| ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4" | ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 6" |
| ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" | ⑰ PROPOSED SEEDING, CLASS 2A, CLASS 4B & CLASS 4 (MODIFIED)
SEE LANDSCAPING PLANS FOR LOCATIONS |
| ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2" | |

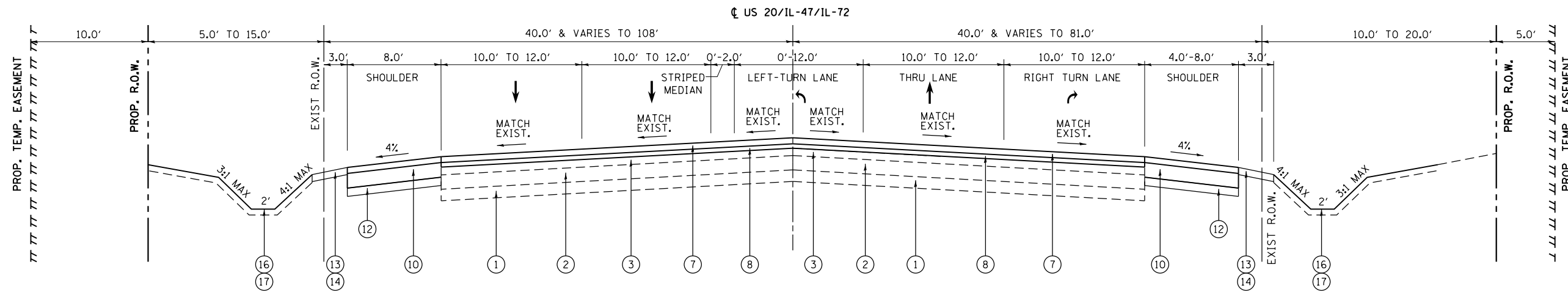
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Default	PLOT SCALE = 10.0000' / in.	DRAWN - BA	REVISED -					345	106-S-N-2	KANE	147	19
	PLOT DATE = 4/1/2014	CHECKED - WK	REVISED -		SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 60T09				
		DATE - 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT							



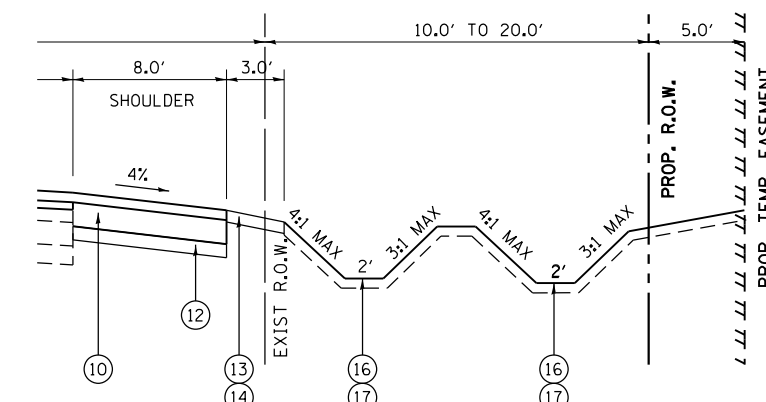
EXISTING TYPICAL SECTION
U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72
 STA. 120+00 TO STA. 129+00
 (LOOKING SOUTH)

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.

2 1/2" HMA PAVEMENT SURFACE REMOVAL



PROPOSED TYPICAL SECTION
U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72
 STA. 120+00 TO STA. 129+00
 (LOOKING SOUTH)



DOUBLE DITCH SYSTEM
 (LOOKING SOUTH, REVERSE FOR EAST SIDE)

NOTE: A DOUBLE DITCH SYSTEM SHALL BE UTILIZED FROM STA. 124+00 TO STA. 129+50 ON THE EAST SIDE OF U.S. RTE 20/IL RTE 47/IL RTE 72, AND FROM STA. 122+00 TO STA. 126+00 ON THE WEST SIDE OF U.S. RTE 20/IL RTE 47/IL RTE 72.

LEGEND

- ① EXISTING AGGREGATE SUBGRADE
- ② EXISTING P.C.C. BASE, VARIES 7.75" TO 8.50"
- ③ EXISTING BIT. ASPHALT PAVEMENT, VARIES 8.00" TO 15.25"
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING DITCH / GRADELINE
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- ⑬ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ⑭ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑮ PROPOSED PIPE UNDERDRAINS 6"
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 6"
- ⑰ PROPOSED SEEDING, CLASS 2A, CLASS 4B & CLASS 4 (MODIFIED) SEE LANDSCAPING PLANS FOR LOCATIONS

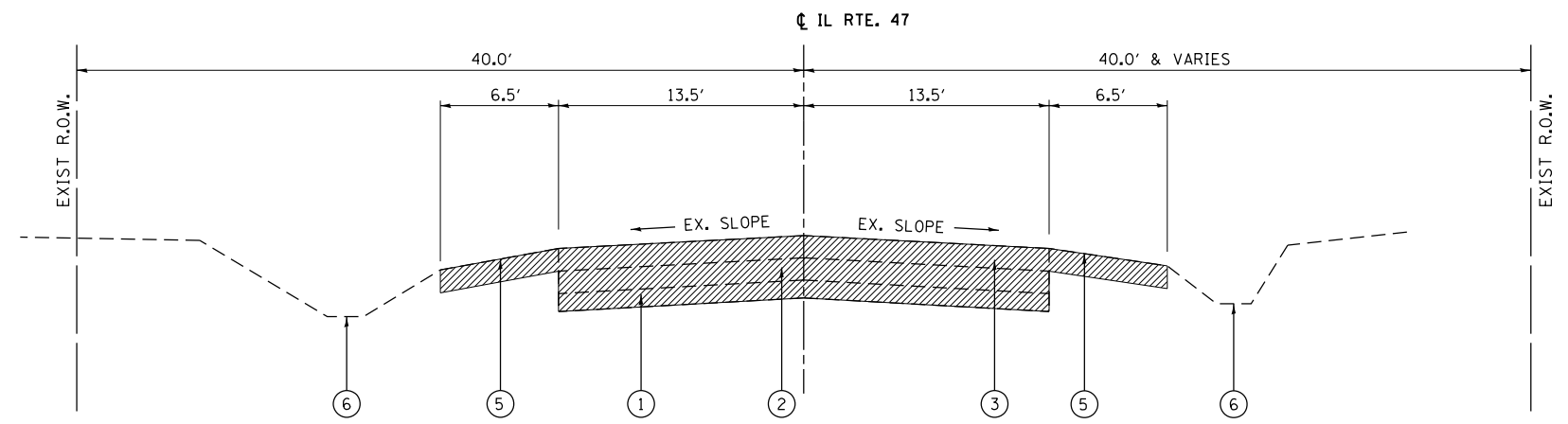
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Default	PLOT SCALE = 10.0000 "/ in.	DRAWN - BA	REVISED -
	PLOT DATE = 4/1/2014	CHECKED - WK	REVISED -
		DATE - 3/31/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTION - SOUTH JUNCTION
U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72 (NORTH LEG)

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	20
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

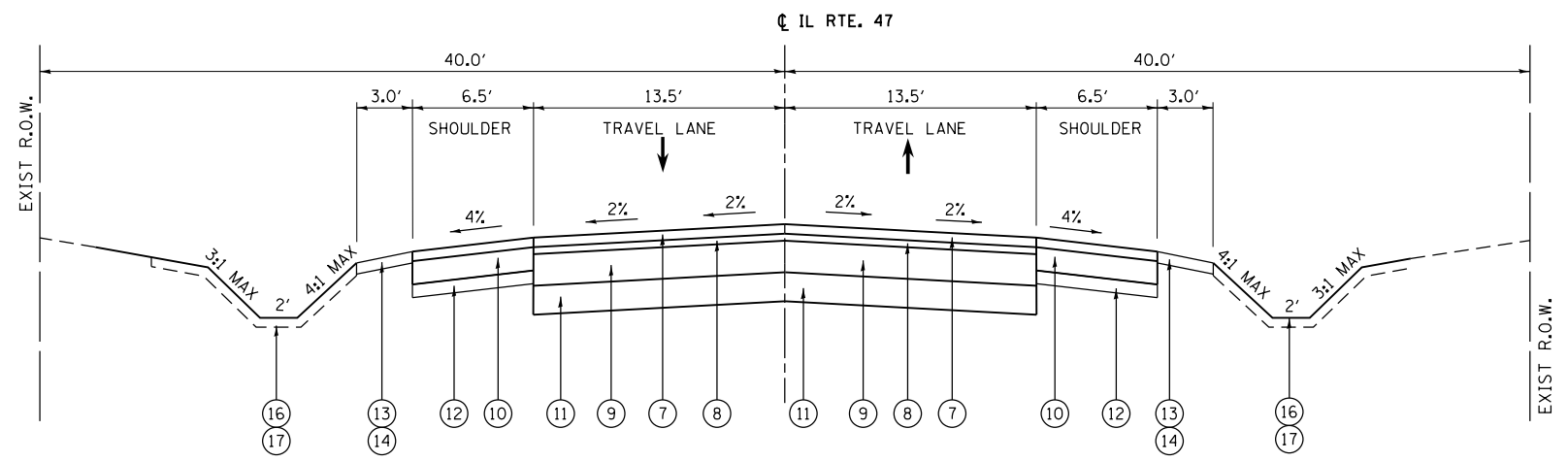


EXISTING TYPICAL SECTION

IL ROUTE 47

STA. 98+20 TO STA. 99+48
(LOOKING NORTH)

PAVEMENT SURFACE REMOVAL



PROPOSED TYPICAL SECTION

IL ROUTE 47

STA. 98+20 TO STA. 99+48
(LOOKING NORTH)

LEGEND

- ① EXISTING AGGREGATE SUBGRADE
- ② EXISTING P.C.C. BASE, VARIES 7.75" TO 8.50"
- ③ EXISTING BIT. ASPHALT PAVEMENT, VARIES 8.00" TO 15.25"
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING DITCH / GRADELINE
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 1 3/4"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- ⑬ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ⑭ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑮ PROPOSED PIPE UNDERDRAINS 6"
- ⑯ PROPOSED TOPSOIL FURNISH AND PLACE, 6"
- ⑰ PROPOSED SEEDING, CLASS 2A, CLASS 4B & CLASS 4 (MODIFIED) SEE LANDSCAPING PLANS FOR LOCATIONS

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - BA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION - SOUTH JUNCTION IL ROUTE 47 - CULVERT REMOVAL	F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 21		
Default	PLOT SCALE = 10.0000' / in.	CHECKED - WK	REVISED -			SCALE: N.T.S.	SHEET 5 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -									
CONTRACT NO. 60T09												

TREE REMOVAL SCHEDULE		
20100110		
STATION	OFFSET	UNIT Ø
74+86.90	49' RT	9
75+14.88	60.1' RT	9
75+18.45	62.5' RT	15
121+55.42	53.2' LT	12
121+64.40	52.2' LT	11
123+05.60	47.1' LT	15
124+46.26	38.4' LT	9
125+54.33	63.8' RT	9
125+73.87	63.8' RT	8
125+86.00	55' RT	12
126+21.88	40.2' LT	14
126+31.25	40.3' LT	9
127+32.52	46' LT	13

TREE REMOVAL SCHEDULE		
20100210		
STATION	OFFSET	UNIT Ø
71+61.93	140.6' LT	36
123+38.56	58.3' RT	26
123+93.06	48.0' LT	21
124+56.16	37.7' RT	30
124+65.12	51.4' LT	24
125+11.46	43.6' RT	24
125+79.84	47.0' LT	18
126+42.42	43.0' RT	32
126+74.57	42.3' LT	25
127+48.41	45.7' RT	25
128+20.90	41.6' RT	24

TEMPORARY EROSION CONTROL BLANKET											
28001100											
STATION	STATION	LT/RT	AREA (S.Y.)	STATION	STATION	LT/RT	AREA (S.Y.)	STATION	STATION	LT/RT	AREA (S.Y.)
110+70	111+00	LT	40	118+00	119+00	LT	271	127+00	128+00	LT	393
110+70	111+00	RT	8	120+00	121+00	RT	65	127+00	128+00	RT	440
111+00	112+00	LT	20	121+00	122+00	LT	137	128+00	129+00	LT	379
111+00	112+00	RT	47	121+00	122+00	RT	63	128+00	129+00	RT	542
112+00	113+00	RT	30	122+00	123+00	LT	336	59+60	69+00	LT	313
113+00	114+00	RT	20	122+00	123+00	RT	129	59+60	69+00	RT	313
114+00	115+00	RT	95	123+00	124+00	LT	502	71+00	81+00	LT	333
115+00	116+00	RT	116	123+00	124+00	RT	271	71+00	81+00	RT	333
115+00	116+00	LT	252	124+00	125+00	LT	480				
116+00	117+00	RT	137	124+00	125+00	RT	372				
116+00	117+00	LT	211	125+00	126+00	LT	210				
117+00	118+00	RT	106	125+00	126+00	RT	447				
117+00	118+00	LT	67	126+00	127+00	LT	323				
118+00	119+00	RT	133	126+00	127+00	RT	432				

STONE RIPRAP, CLASS A1		
28100101		
STATION	OFFSET	AREA (S.Y.)
62+25	26.0' RT	10.0
62+25	36.0' LT	10.0
119+10	50.0' RT	10.0
119+10	42.0' LT	10.0
79+37	32.0' LT	10.0
80+11	31.0' LT	10.0
110+62	43.0' LT	10.0
110+67	36.0' RT	10.0

TEMPORARY DITCH CHECKS					
28000305					
STATION	OFFSET	LENGTH (FOOT)	STATION	OFFSET	LENGTH (FOOT)
59+60	36' RT	20.0	78+25	31' RT	20.0
61+00	36' LT	20.0	78+75	29' RT	20.0
61+60	37' RT	20.0	79+00	36' LT	20.0
62+59	40' LT	18.0	79+25	28' RT	19.0
64+30	44' LT	18.0	79+75	28' RT	19.0
65+00	37' RT	19.0	80+13	36' LT	18.0
66+33	43' LT	19.0	80+25	28' RT	18.0
67+00	40' RT	19.0	80+40	36' LT	17.0
67+00	34' LT	19.0	80+75	28' RT	17.0
68+00	42' RT	20.0	112+00	38' LT	20.0
69+00	43' RT	20.0	114+00	39' LT	20.0
69+00	45' LT	20.0	117+00	57' RT	20.0
71+67	47' LT	20.0	117+00	32' LT	20.0
72+00	37' RT	20.0	118+00	60' RT	19.0
72+33	47' LT	17.0	119+00	60' RT	18.0
73+00	37' RT	18.0	119+00	42' LT	18.0
73+00	49' LT	18.0	121+00	54' RT	17.0
74+00	39' RT	17.0	121+00	55' LT	19.0
76+33	41' LT	19.0	122+00	40' LT	19.0
76+50	38' RT	19.0	122+33	55' LT	20.0
77+25	36' RT	20.0	123+00	52' RT	20.0
77+40	38' LT	20.0	123+66	68' LT	20.0
77+75	33' RT	20.0	124+00	43' LT	20.0
78+20	37' LT	20.0	124+41	66' RT	19.0

TEMPORARY DITCH CHECKS					
28000305					
STATION	OFFSET	LENGTH (FOOT)	STATION	OFFSET	LENGTH (FOOT)
124+50	44' LT	19.0	127+17	43' LT	18.0
124+67	48' RT	18.0	127+24	38' RT	18.0
125+00	45' LT	18.0	127+41	39' RT	20.0
125+00	70' LT	17.0	127+43	67' RT	20.0
125+33	45' LT	18.0	127+50	40' LT	20.0
125+40	73' LT	17.0	127+57	40' RT	17.0
125+50	43' RT	19.0	127+71	69' RT	18.0
125+50	58' RT	20.0	127+73	41' RT	20.0
125+67	44' LT	20.0	127+89	41' RT	20.0
125+80	76' LT	20.0	127+89	38' LT	19.0
126+00	44' LT	20.0	128+00	70' RT	19.0
126+13	37' RT	19.0	128+14	41' RT	18.0
126+17	53' RT	18.0	128+14	37' LT	20.0
126+22	44' LT	18.0	128+41	36' LT	17.0
126+38	37' RT	17.0	128+50	70' RT	18.0
126+44	44' LT	19.0	128+54	38' RT	20.0
126+50	58' RT	19.0	128+63	36' LT	20.0
126+63	37' RT	20.0	128+85	35' LT	20.0
126+67	44' LT	20.0	128+93	35' RT	20.0
126+83	62' RT	20.0	129+00	71' RT	18.0
126+88	37' RT	20.0			
126+89	44' LT	19.0			
127+08	37' RT	19.0			
127+14	66' RT	19.0			

PROPOSED LANDSCAPING			21101625	25000210	25100630
STATION	STATION	LT/RT	TOPSOIL FURNISH AND PLACE, 6 IN (SY)	SEEDING CLASS 2A (ACRE)	EROSION CONTROL BLANKET (SY)
59+60	60+00	LT	76	0.01570	76
60+62	69+37	LT	3,118	0.64418	3,118
59+60	69+37	RT	3,184	0.65781	3,184
69+53	72+00	LT	3,525	0.72827	3,525
70+56	72+00	RT	782	0.16156	782
72+00	75+11	LT	1,516	0.31321	1,516
75+24	79+53	LT	1,193	0.24647	1,193
79+96	81+00	LT	196	0.04049	196
72+00	75+11	RT	791	0.16342	791
75+15	81+00	RT	1,539	0.31796	1,539
110+70	118+00	LT	2,254	0.46506	2,254
110+70	118+00	RT	1,444	0.29833	1,444
122+00	129+00	LT	4,354	0.89954	4,354
122+00	129+00	RT	3,647	0.75347	3,647

INLET FILTERS		
28000510		
STATION	OFFSET	EACH
STAGE I		
62+26.58	40.7' LT	1.0
62+35.25	41.8' LT	1.0
STAGE II		
59+84.75	35.2' LT	1.0
60+68.38	35.2' LT	1.0
62+24.04	28.1' RT	1.0
65+83.19	39.6' LT	1.0
68+53.49	40.3' LT	1.0
69+17.89	56.3' LT	1.0
121+50.05	48.3' LT	1.0
119+05.72	50.6' RT	1.0
119+11.71	44.5' LT	1.0
125+00.00	48.6' LT	1.0
125+00.00	47.4' RT	1.0
125+83.66	73.3' LT	1.0
127+07.95	41.5' LT	1.0
127+08.02	41.7' RT	1.0
128+57.14	37.3' LT	1.0
128+58.05	37.7' RT	1.0

G:\Projects\ILLINOIS Department of Transportation\PTB_162 - Item 7 - Various\Various Work Order No. 11 (South)- US 20 at IL 47 & IL 72\Civil\Cadd Sheets\0160789-sht-tchschdled.dgn

FILE NAME =	USER NAME = chr1sfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES US RTE 20 (SOUTH JUNCTION)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHT_PLAN	PLOT SCALE = 100.0000' / in.	DRAWN - MTM	REVISED -					345	106-S-N-2	KANE	147	22
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -		SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 60T09				
		DATE - 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT							

EARTHWORK SCHEDULE IL RT 47/IL RT 72/US RT 20

STATION	STATION	EARTH EXCAVATION (20200100)	TOPSOIL/ UNSUITABLE	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE (AGGREGATE SUBGRADE IMPROVEMENT)	AGGREGATE SUBGRADE IMPROVEMENT (3030001)
		CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
110+70.00	111+00.00	5	36	4	37	-33	0	0
111+00.00	112+00.00	23	136	20	82	-62	0	0
112+00.00	113+00.00	28	132	24	71	-47	30	30
113+00.00	114+00.00	34	130	29	76	-47	62	62
114+00.00	115+00.00	113	143	96	36	60	67	67
115+00.00	116+00.00	267	158	227	6	221	36	36
116+00.00	117+00.00	334	188	284	6	278	0	0
117+00.00	118+00.00	254	169	216	12	204	0	0
118+00.00	119+00.00	219	212	186	75	111	0	0
119+00.00	120+00.00	126	150	107	67	40	0	0
120+00.00	121+00.00	36	73	31	28	3	0	0
121+00.00	122+00.00	78	143	66	108	-42	17	17
122+00.00	123+00.00	162	202	138	125	13	36	36
123+00.00	124+00.00	438	321	372	47	325	60	60
124+00.00	125+00.00	680	399	578	41	537	86	86
125+00.00	126+00.00	886	384	753	41	712	45	45
126+00.00	127+00.00	1,176	363	1,000	4	996	0	0
127+00.00	128+00.00	1,376	389	1,170	8	1,162	0	0
128+00.00	129+00.00	1,354	388	1,151	10	1,141	0	0
TOTAL - IL RT 47 SOUTH JUNCTION		7,589	4,116	6,452	880	5,572	439	439

NOTES:

- 15% SHRINKAGE FACTOR
- TOPSOIL EXCAVATION THICKNESS: 12" - TO BE REMOVED AND PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.

EARTHWORK SUMMARY TABLE

DESCRIPTION	QUANTITY	UNIT
EARTH EXCAVATION	10,091	CU YD
FURNISHED EXCAVATION	0	CU YD
AGGREGATE SUBGRADE IMPROVEMENT	857	CU YD
- TOTAL TOPSOIL EXCAVATION - 12" DEPTH CU YD	7,637	
EXCESS EXIST. TOPSOIL EXCAV. TO BE REMOVED AS UNSUITABLE MATERIAL (CU YD)	7,637	
UNSUITABLE MATERIAL (AGGREGATE SUBGRADE IMPROVEMENT) (CU YD)	717	
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	8,354	CU YD

EARTHWORK SCHEDULE IL RT 47/IL RT 72/US RT 20

STATION	STATION	EARTH EXCAVATION (20200100)	TOPSOIL/ UNSUITABLE	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE (AGGREGATE SUBGRADE IMPROVEMENT)	AGGREGATE SUBGRADE IMPROVEMENT (30300001)
		CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
59+60.00	60+00.00	8	35	7	23	-16	7	10
60+00.00	61+00.00	47	128	40	67	-27	32	47
61+00.00	62+00.00	67	173	57	86	-29	39	63
62+00.00	63+00.00	99	213	84	97	-13	41	71
63+00.00	64+00.00	182	245	155	69	86	56	78
64+00.00	65+00.00	275	236	234	45	189	67	89
65+00.00	66+00.00	202	180	172	58	114	36	49
66+00.00	67+00.00	123	136	105	50	55	0	0
67+00.00	68+00.00	223	158	190	23	167	0	0
68+00.00	69+00.00	258	206	219	23	196	0	0
69+00.00	70+00.00	119	119	101	15	86	0	0
70+00.00	71+00.00	67	113	57	41	16	0	0
71+00.00	72+00.00	91	165	77	56	21	0	0
72+00.00	73+00.00	41	106	35	39	-4	0	0
73+00.00	74+00.00	39	143	33	82	-49	0	0
74+00.00	75+00.00	49	221	42	232	-190	0	0
75+00.00	76+00.00	47	228	40	254	-214	0	0
76+00.00	77+00.00	49	182	42	119	-77	0	0
77+00.00	78+00.00	88	175	75	62	13	0	0
78+00.00	79+00.00	162	169	138	39	99	0	0
79+00.00	80+00.00	178	119	151	19	132	0	0
80+00.00	81+00.00	88	71	75	8	67	0	0
TOTAL - IL RT 72/US RT 20 SOUTH JUNCTION		2,502	3,521	2,129	1,507	622	278	407

HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"			35600710
STATION	STATION	LOCATION	QUANTITY (SQ.YD.)
60+59.80	69+42.80	IL-72	551
60+59.70	69+88.40	IL-72	1056
70+33.17	74+15.15	IL-72	70
70+64.31	74+97.77	IL-72	185
75+27.37	79+31.84	IL-72	171
111+69.68	116+44.94	IL-47	131
111+69.70	118.90.15	US-20/IL-47/IL-72	402
118+26.64	119+55.27	US-20/IL-47/IL-72	167
119+06.14	119+43.41	US-20/IL-47/IL-72	26
12161.28	124+99.81	US-20/IL-47/IL-72	127
123+28.85	124+97.60	US-20/IL-47/IL-72	103
125+02.52	127+04.68	US-20/IL-47/IL-72	90
125+02.60	126+00.14	US-20/IL-47/IL-72	54
126+03.31	127+05.09	US-20/IL-47/IL-72	28
127+09.68	127+28.91	US-20/IL-47/IL-72	1
127+10.09	127+61.17	US-20/IL-47/IL-72	4
98+20.00	99+48.00	IL 47-South of Proj.	383

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No. 11 (South)- US 20 at IL 47 & IL-72\Civil\Cadd Sheets\160109-ahs-schedule.dgn

USER NAME = chr15fish	DESIGNED - MTM	REVISED -
PLOT SCALE = 100.0000' / 1in.	DRAWN - MTM	REVISED -
PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
US RTE 20 (SOUTH JUNCTION)			
SCALE: N.T.S.	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	23
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE E..20NOR-1
 PI STA. = 10+00.26
 $\Delta = 4^\circ 30' 33''$ (LT)
 $D = 2^\circ 14' 59''$
 $R = 2,546.74'$
 $T = 100.26'$
 $L = 200.42'$
 $E = 1.97'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 9+00.00
 P.T. STA. = 11+00.42



U.S. ROUTE 20

MATCH LINE STA. 18+00

ALIGNMENT COORDINATES - ILL. RTE. 47			
	STATION	N	E
POT	99+00.00	1,970,623.254	950,053.628
PC	108+19.04	1,971,464.504	950,423.676
PI	111+89.77	1,971,803.849	950,572.948
PRC	115+50.48	1,972,057.710	950,843.119
PI	117+24.32	1,972,176.756	950,969.814
PT	118+91.44	1,972,340.914	951,027.049
PC	120+00.00	1,972,443.417	951,062.787
PI	122+00.32	1,972,632.568	951,128.736
PT	123+92.08	1,972,830.008	951,094.905
POT	126+45.29	1,973,079.584	951,052.141
PC	148+11.74	1,975,214.915	950,686.259
PI	153+67.08	1,975,763.185	950,597.947
PT	158+75.31	1,976,236.432	950,888.528
PC	162+59.32	1,976,563.678	951,089.462
PI	164+30.20	1,976,709.295	951,178.874
PT	165+99.98	1,976,869.516	951,238.270

ALIGNMENT COORDINATES U.S. RTE. 20 @ ILL. RTE. 47/72 (NORTH JUNCTION)			
	STATION	N	E
PC	9+00.00	1,974,910.469	948,636.277
PI	10+00.26	1,974,902.730	948,736.241
PT	11+00.42	1,974,902.873	948,836.503
POT	51+00.00	1,974,908.591	952,836.082

ALIGNMENT COORDINATES U.S. RTE. 20 @ ILL. RTE. 47/72 (SOUTH JUNCTION)			
	STATION	N	E
PC	49+00.00	1,973,627.564	949,329.613
PI	51+25.06	1,973,481.183	949,500.570
PT	53+49.57	1,973,356.649	949,688.040
POT	90+50.00	1,971,309.096	952,770.361

EXIST. CURVE E..IL47-1
 PI STA. = 111+89.77
 $\Delta = 23^\circ 02' 21''$ (RT)
 $D = 3^\circ 08' 59''$
 $R = 1,819.00'$
 $T = 370.73'$
 $L = 731.43'$
 $E = 37.39'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 108+19.04
 P.T. STA. = 115+50.48

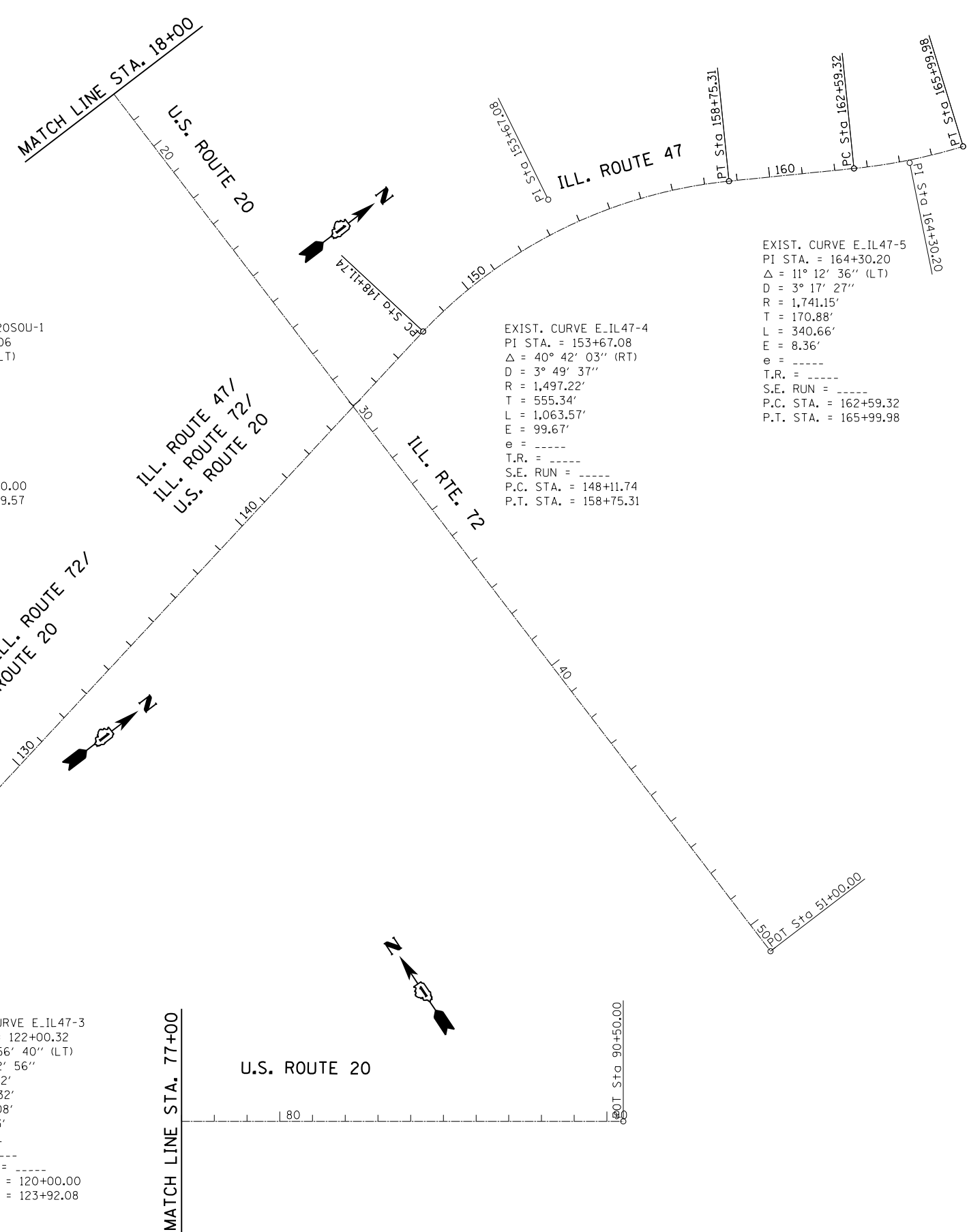
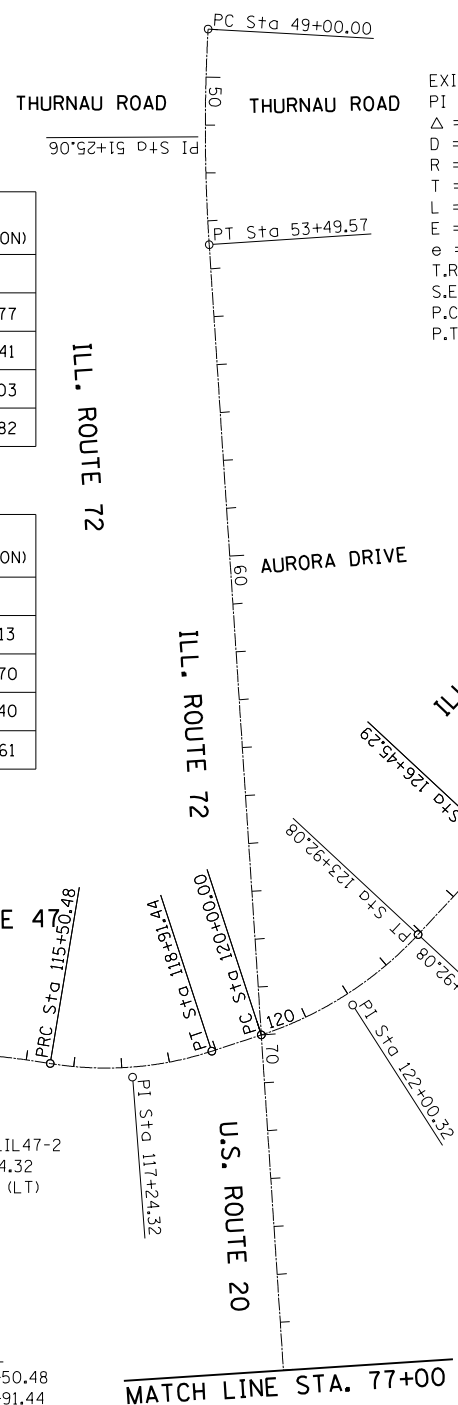
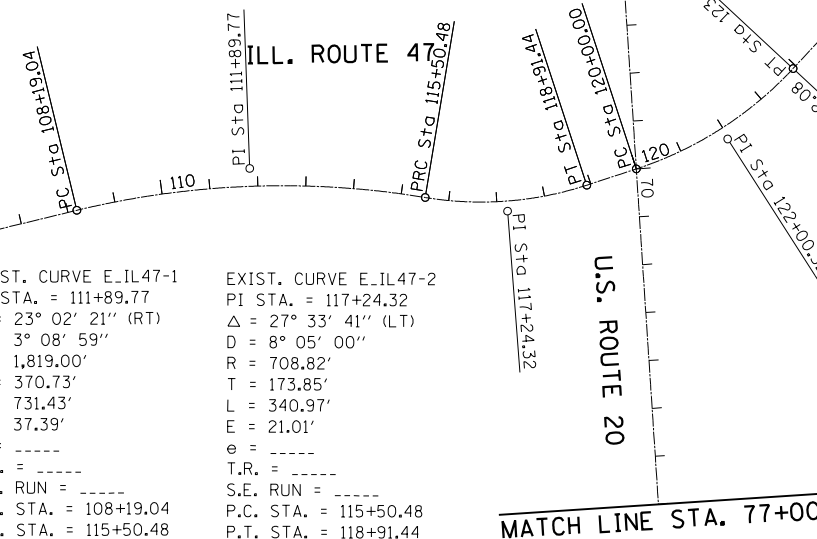
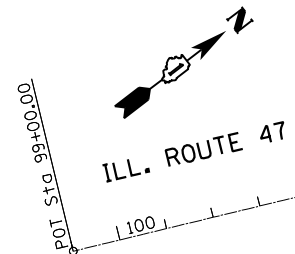
EXIST. CURVE E..IL47-2
 PI STA. = 117+24.32
 $\Delta = 27^\circ 33' 41''$ (LT)
 $D = 8^\circ 05' 00''$
 $R = 708.82'$
 $T = 173.85'$
 $L = 340.97'$
 $E = 21.01'$
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 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 115+50.48
 P.T. STA. = 118+91.44

EXIST. CURVE E..20SOU-1
 PI STA. = 51+25.06
 $\Delta = 6^\circ 58' 33''$ (LT)
 $D = 1^\circ 33' 06''$
 $R = 3,692.52'$
 $T = 225.06'$
 $L = 449.57'$
 $E = 6.85'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 49+00.00
 P.T. STA. = 53+49.57

EXIST. CURVE E..IL47-4
 PI STA. = 153+67.08
 $\Delta = 40^\circ 42' 03''$ (RT)
 $D = 3^\circ 49' 37''$
 $R = 1,497.22'$
 $T = 555.34'$
 $L = 1,063.57'$
 $E = 99.67'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 148+11.74
 P.T. STA. = 158+75.31

EXIST. CURVE E..IL47-5
 PI STA. = 164+30.20
 $\Delta = 11^\circ 12' 36''$ (LT)
 $D = 3^\circ 17' 27''$
 $R = 1,741.15'$
 $T = 170.88'$
 $L = 340.66'$
 $E = 8.36'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 162+59.32
 P.T. STA. = 165+99.98

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various Work Order No. 11 (South) - US 20 at IL 47 & IL 72\Civil\Cadd Sheets\160109-shr-ATB.dgn



USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -
PLOT SCALE = 400.000' / in.	DRAWN - MTM	REVISED -
PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

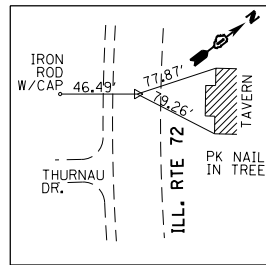
ALIGNMENT, TIES AND BENCHMARKS	
U.S. RTE. 20 AT ILL. RTE. 47 AND ILL. RTE. 72	
SCALE: 1"=200'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	24
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various Work Order No. 11 (South) - US 20 at IL 47 & IL 72\Civil\Cadd Sheets\DI60109-ah-ATB.dgn

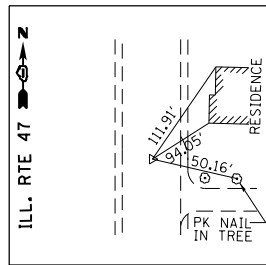
TIE POINT #1

SET PK NAIL
STA. 50+00
N=1973563.5608
E=949406.4439



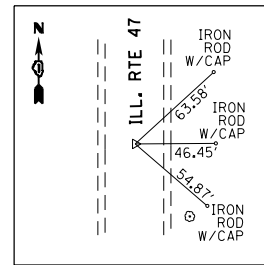
TIE POINT #2

SET PK NAIL (PT)
STA. 53+49.57
N=1973356.6492
E=949688.0400



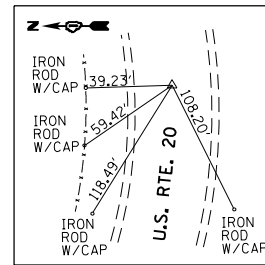
TIE POINT #3

SET PK NAIL
STA. 90+00
N=1971336.7617
E=952728.7141



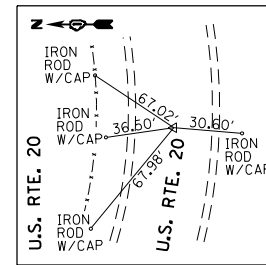
TIE POINT #4

SET PK NAIL (PT)
STA. 11+00.42
N=1974902.8733
E=948836.5033



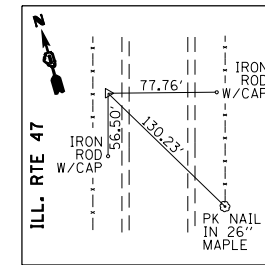
TIE POINT #5

SET PK NAIL
STA. 10+00
N=1974904.7095
E=948736.1049



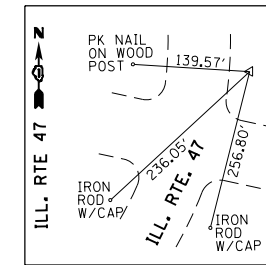
TIE POINT #6

SET IRON ROD W/CAP
N=1970751.0870
E=950069.8372
ELEV. 942.990



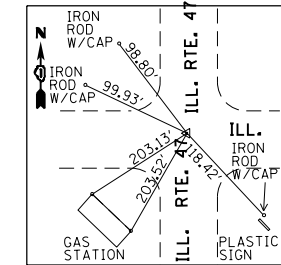
TIE POINT #7

SET IRON ROD W/CAP
N=1972560.8422
E=951142.8895
ELEV. 932.7800



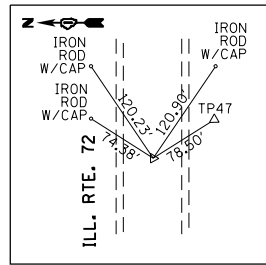
TIE POINT #9

SET IRON ROD W/CAP
N=1974942.0043
E=950681.6515
ELEV. 917.5800



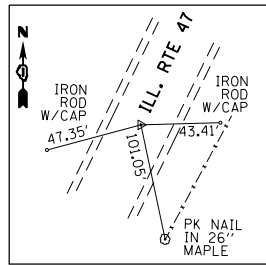
TIE POINT #10

SET PK NAIL
STA. 50+00
N=1974908.4483
E=952736.0819



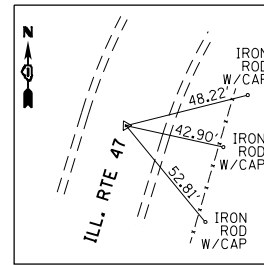
TIE POINT #11

SET PK NAIL
STA. 100+00
N=1970714.7898
E=950093.8924



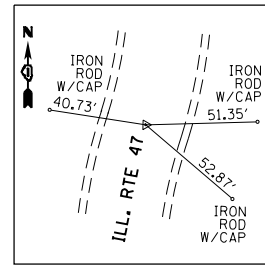
TIE POINT #12

SET PK NAIL (PC)
STA. 108+19.04
N=1971464.5035
E=950423.6785



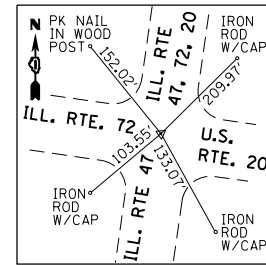
TIE POINT #13

SET PK NAIL (PRC)
STA. 115+50.48
N=1972057.7100
E=950843.1192



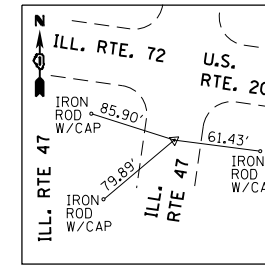
TIE POINT #14

SET PK NAIL (PC - ILL. RTE. 47)
STA. 120+00 - ILL. RTE. 47
STA. 70+00 - ILL. RTE. 72
N=1972443.4188
E=951062.7879



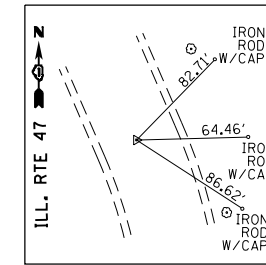
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SET PK NAIL (PT)
STA. 118+91.44
N=1972340.9142
E=951027.0490



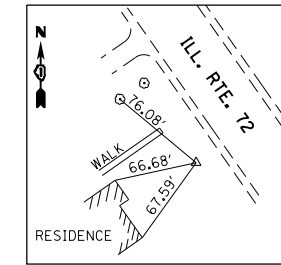
TIE POINT #16

SET PK NAIL (PT)
STA. 123+93.23
N=1972831.1472
E=95194.7099



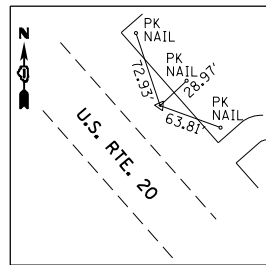
TIE POINT #17

SET IRON ROD W/CAP
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E=949723.4483
ELEV. 950.2300



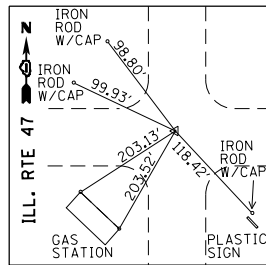
TIE POINT #18

SET IRON ROD W/CAP
N=1971622.6532
E=952445.9468
ELEV. 932.4900



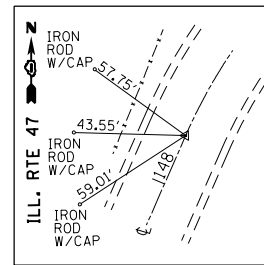
TIE POINT #19

SET PK NAIL (PI ILL. RTE. 47)
STA. 144+98.45
N=1974905.5890
E=950736.0840



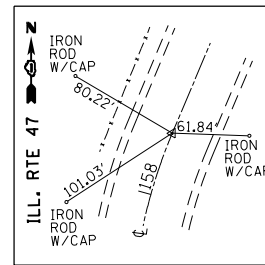
TIE POINT #20

SET PK NAIL (PC)
STA. 148+11.76
N=1975214.9147
E=950686.2593



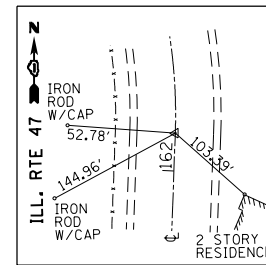
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SET PK NAIL (PT)
STA. 158+75.33
N=1976236.4318
E=950888.5277



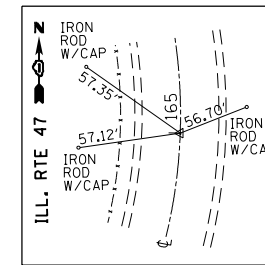
TIE POINT #22

SET PK NAIL (PC)
STA. 162+59.34
N=1976563.6783
E=951089.4625



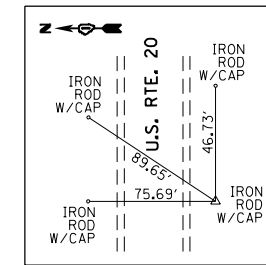
TIE POINT #23

SET PK NAIL
STA. 165+00
N=1976776.7983
E=951200.8360



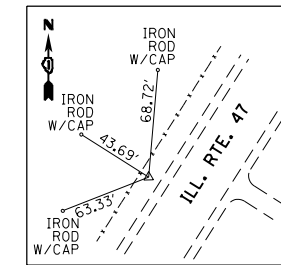
TIE POINT #47

SET IRON ROD W/CAP
N=1974868.5204
E=952803.6742
ELEV. 914.2750



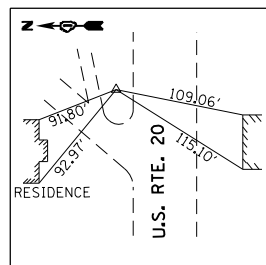
TIE POINT #50

SET IRON ROD W/CAP
N=1976426.1892
E=950969.3589
ELEV. 921.2600



TIE POINT #54

SET IRON ROD W/CAP
N=1974929.3999
E=949671.8954
ELEV. 934.6050



BENCHMARK #1

ELEV. 928.480

□ -CUT ON LIGHT POLE CONC. BASE ± 65' NORTH EASTERLY FROM CENTERLINE OF U.S. RTE. 20 AT THE ENTRANCE OF "MINUTEMAN" AT 14N845 U.S. RTE. 20

BENCHMARK #2

ELEV. 931.030

SET SPIKE IN THE NORTHWESTERLY FACE OF 32 INCH TREE AT THE NORTH EAST CORNER OF U.S. RTE. 20 AND ILL. RTE. 47 ±110' NORTH OF UTILITY POLE W/TRANSFORMER

BENCHMARK #3

ELEV. 940.475

□ -CUT ON SOUTH END OF THE WALL OF BOX CULVERT ON THE EAST SIDE OF ILL. RTE. 47 ABOUT 2300' SOUTH OF THE INTERSECTION OF ILL. RTE. 47 AND U.S. RTE. 20

BENCHMARK #4

ELEV. 948.335

□ -CUT ON CONC. BASE 1' NORTHWESTERLY OF THE NORTHERLY END OF ILLUMINATED SIGN OF "OLD STARKS" TAVERN 200' NORTH WESTERLY OF THE INTERSECTION OF ILL. RTE. 47 AND ILL. RTE. 72, AT 43W478 U.S. RTE. 72

BENCHMARK #5

ELEV. 915.520

-CUT ON THE 3RD STEP FROM THE ROAD LEVEL OF CONC. STAIRS TO BRICK PUMP HOUSE ABOUT 90' NW OF RAILROAD BRIDGE OVER ILL. RTES 47 AND 72, AND U.S. RTE. 20

BENCHMARK #6

ELEV. 922.000

□ -CUT ON LIGHT POLE CONC BASE ±35' NORTH OF THE NORTH GAS OF "BP" GAS STATION AT THE SW CORNER OF U.S. RTE. 20 AND ILL. RTE. 47.

BENCHMARK #7

ELEV. 931.820

SET SPIKE IN THE SOUTHEASTERLY FACE OF THE 3RD UTILITY POLE ON THE NORTH SIDE OF U.S. RTE. 20, PAST OF GRAVEL DRIVEWAY AT 43W706(708) U.S. RTE. 20, ABOUT 2100' W OF THE INTERSECTION OF U.S. RTE. 20 AND ILL. RTE. 47.

BENCHMARK #8

ELEV. 915.095

SET SPIKE IN THE EAST FACE OF 34" OAK ABOUT 50' WEST OF THE WESTERLY R.O.W. LINE OF ILL. RTE. 47 AND 1950' NORTH OF THE INTERSECTION OF ILL. RTE. 47 AND U.S. RTE. 20, ACROSS FROM "NICOR GAS" STATION 299

USER NAME = chrishfish	DESIGNED - MTM	REVISED -
DRAWN - MTM	REVISED -	
PLOT SCALE = 400.000' / in.	CHECKED - BA	REVISED -
PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

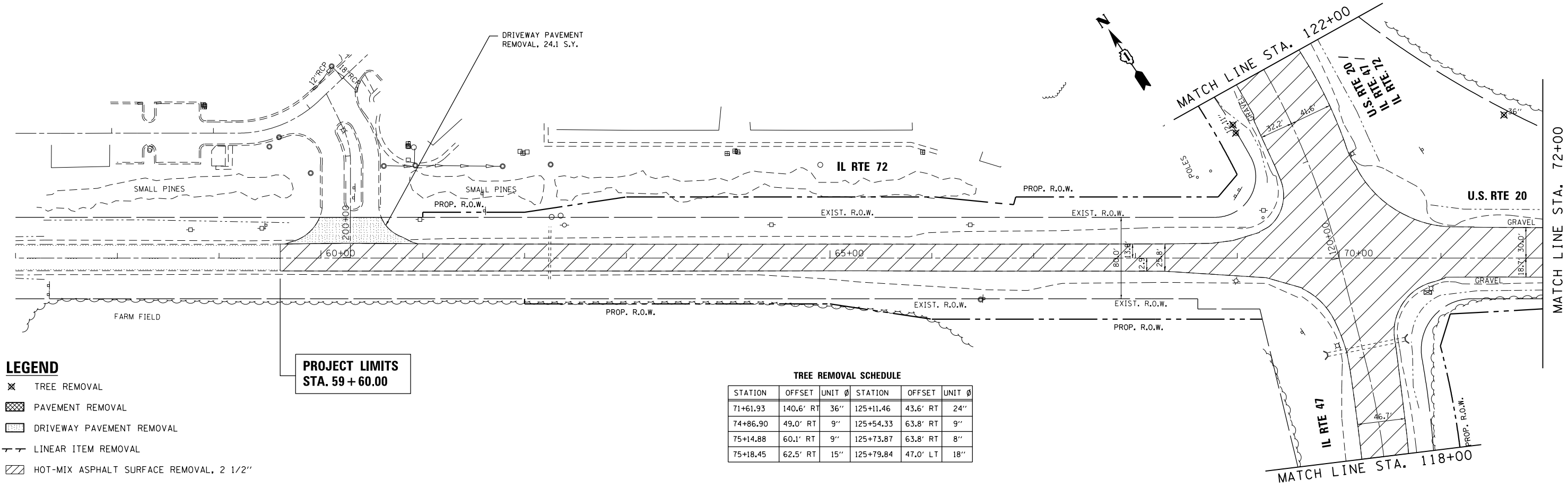
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
U.S. RTE. 20 AT ILL. RTE. 47 AND ILL. RTE. 72

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	25
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

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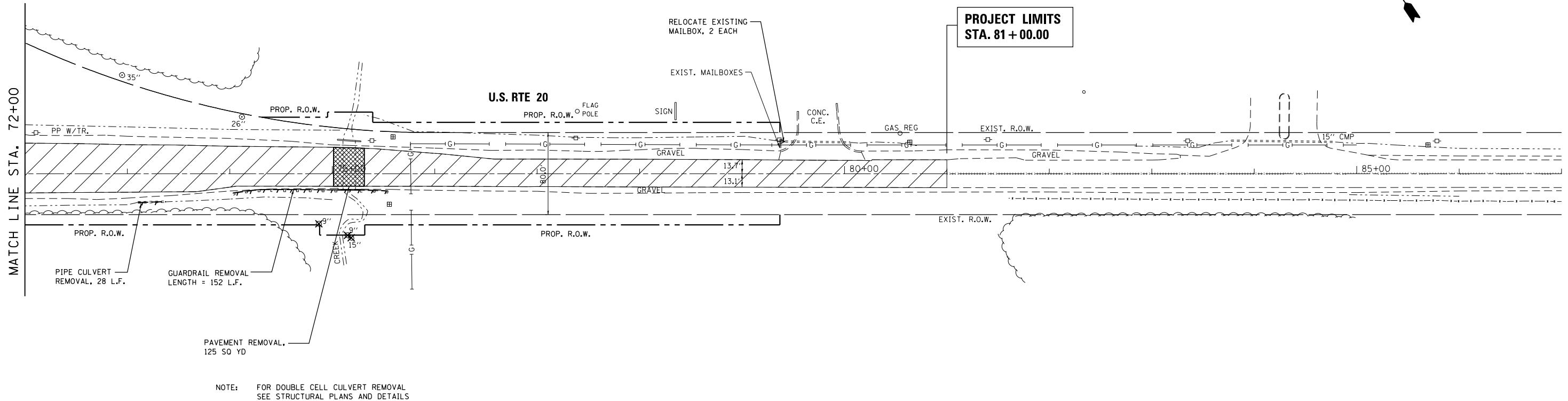


- LEGEND**
- ✕ TREE REMOVAL
 - ▨ PAVEMENT REMOVAL
 - ▤ DRIVEWAY PAVEMENT REMOVAL
 - LINEAR ITEM REMOVAL
 - ▧ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

PROJECT LIMITS
STA. 59 + 60.00

TREE REMOVAL SCHEDULE

STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø
71+61.93	140.6' RT	36"		125+11.46	43.6' RT	24"	
74+86.90	49.0' RT	9"		125+54.33	63.8' RT	9"	
75+14.88	60.1' RT	9"		125+73.87	63.8' RT	8"	
75+18.45	62.5' RT	15"		125+79.84	47.0' LT	18"	



PROJECT LIMITS
STA. 81 + 00.00

NOTE: FOR DOUBLE CELL CULVERT REMOVAL
SEE STRUCTURAL PLANS AND DETAILS

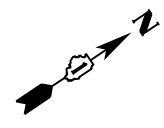
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

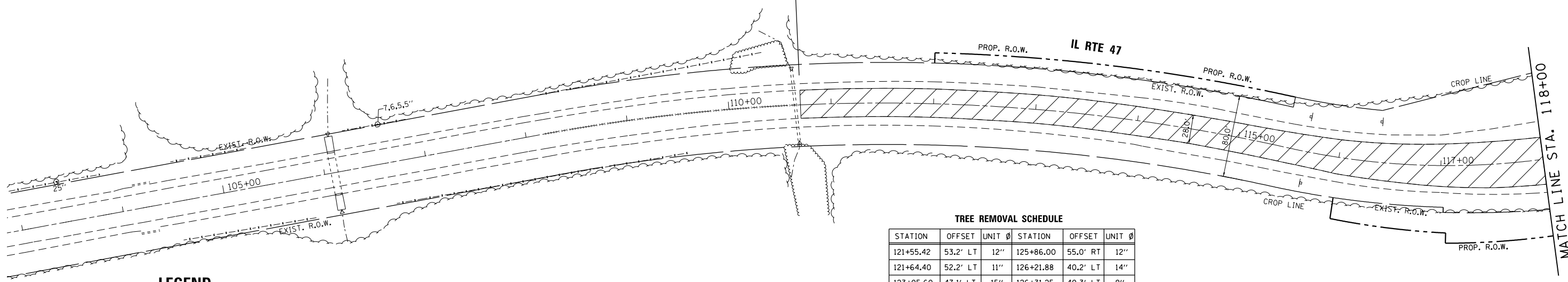
**EXISTING CONDITIONS AND REMOVAL PLAN
US RTE 20 (SOUTH JUNCTION)**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 59+60 TO STA. 81+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	26
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				



**PROJECT LIMITS
STA. 110 + 70.00**

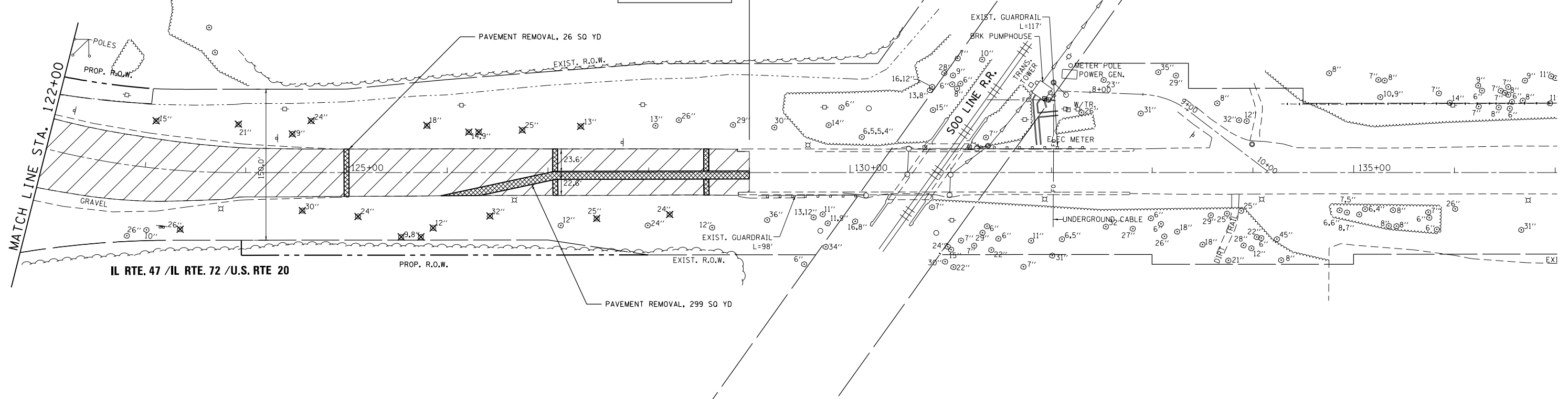


- LEGEND**
- ✕ TREE REMOVAL
 - ▨ PAVEMENT REMOVAL
 - ▤ DRIVEWAY PAVEMENT REMOVAL
 - LINEAR ITEM REMOVAL
 - ▩ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

TREE REMOVAL SCHEDULE

STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø
121+55.42	53.2' LT	12"		125+86.00	55.0' RT	12"	
121+64.40	52.2' LT	11"		126+21.88	40.2' LT	14"	
123+05.60	47.1' LT	15"		126+31.25	40.3' LT	9"	
123+38.56	58.3' RT	26"		126+42.42	43.0' RT	32"	
123+93.06	48.0' LT	21"		126+74.57	42.3' LT	25"	
124+46.26	38.4' LT	9"		127+32.52	46.0' LT	13"	
124+56.16	37.7' RT	30"		127+48.41	45.7' RT	25"	
124+65.12	51.4' LT	24"		128+20.90	41.6' RT	24"	

**PROJECT LIMITS
STA. 129 + 00.00**



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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
US RTE 20 (SOUTH JUNCTION)**

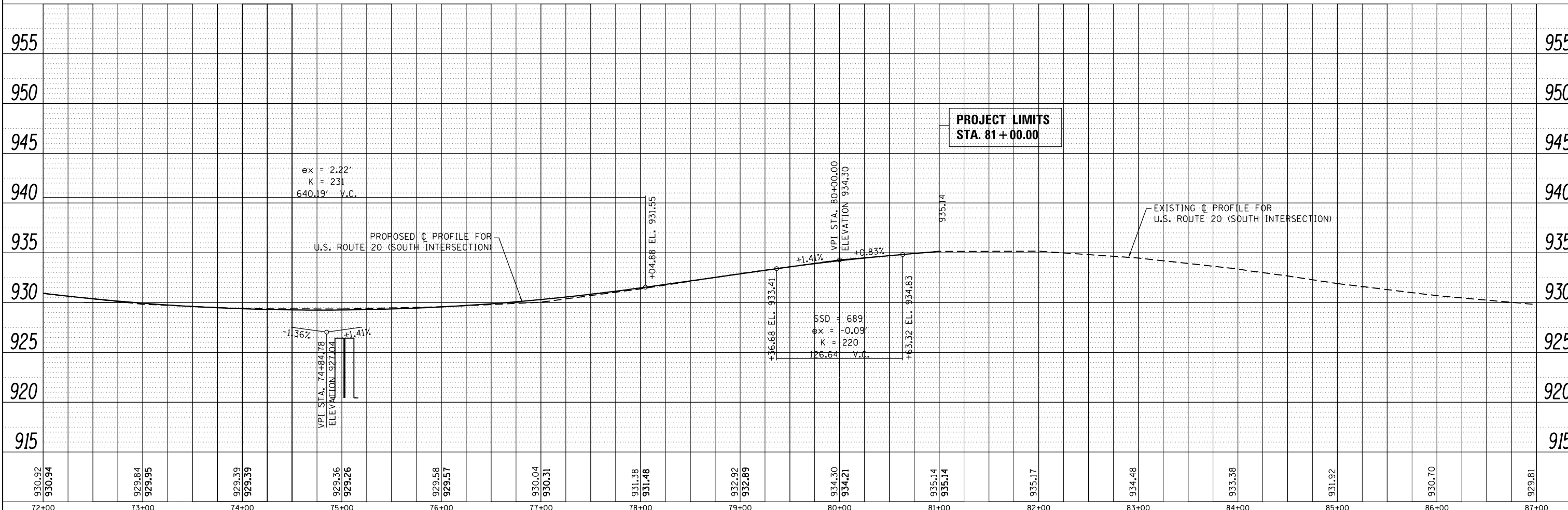
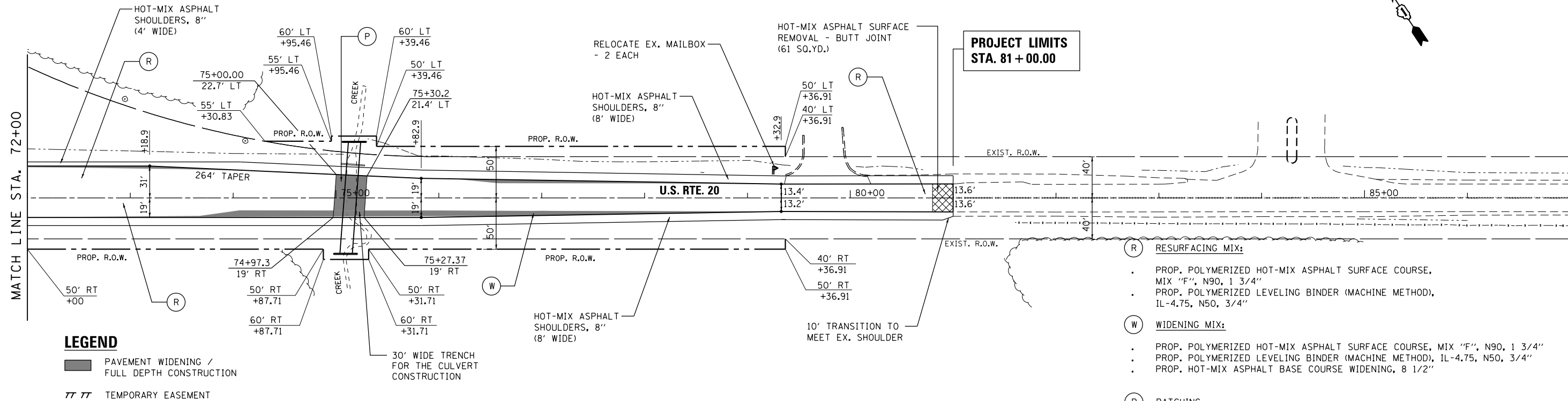
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 110+70 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	27
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	BY	

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FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE US RTE 20 (SOUTH JUNCTION)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -		CONTRACT NO. 60T09								
					ILLINOIS FED. AID PROJECT								

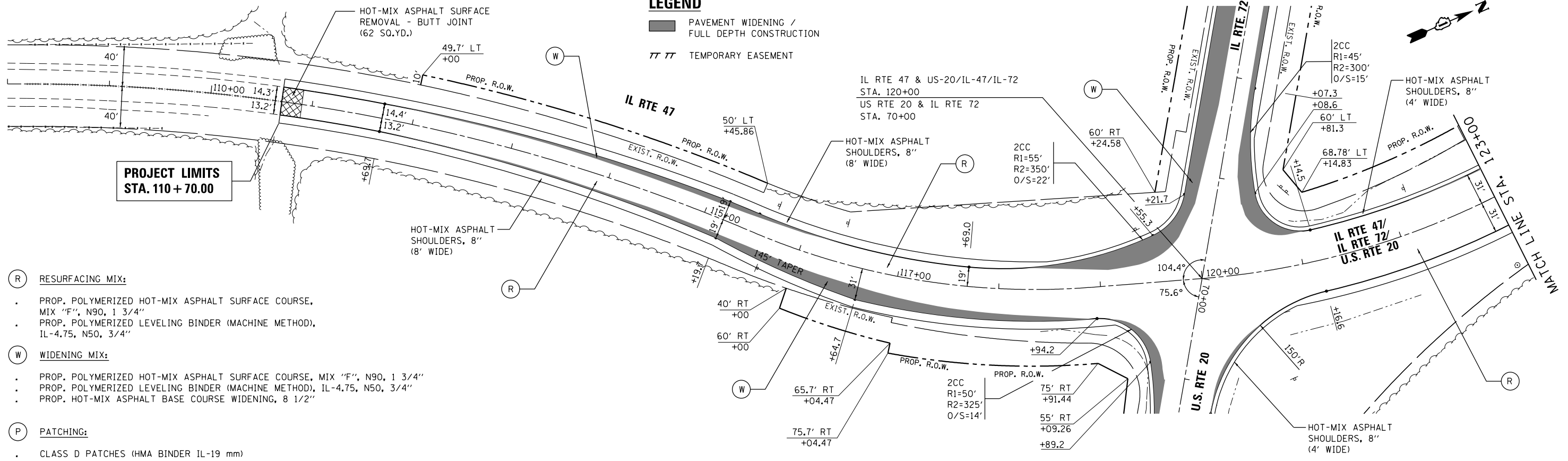
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	PLOTTED	BY
	GRADES CHECKED	
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	DATE _____	

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	PLOTTED	BY
	GRADES CHECKED	
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	DATE _____	

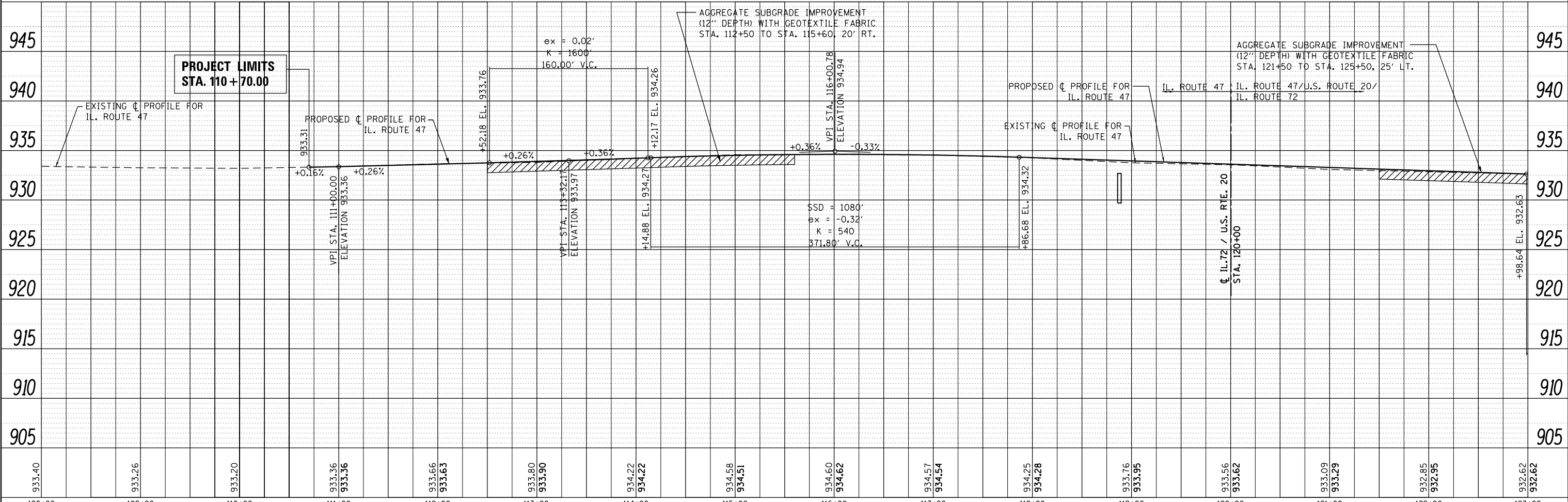
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LEGEND

- PAVEMENT WIDENING / FULL DEPTH CONSTRUCTION
- TEMPORARY EASEMENT



- (R) RESURFACING MIX:**
 - PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (W) WIDENING MIX:**
 - PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 - PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"
- (P) PATCHING:**
 - CLASS D PATCHES (HMA BINDER IL-19 mm)



FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE US RTE 20 (SOUTH JUNCTION)	F.A.P. R.P. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -			CONTRACT NO. 60T09					
						ILLINOIS FED. AID PROJECT					

LEGEND

- PAVEMENT WIDENING / FULL DEPTH CONSTRUCTION
- TEMPORARY EASEMENT

(R) RESURFACING MIX:

- PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

(W) WIDENING MIX:

- PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"

(P) PATCHING:

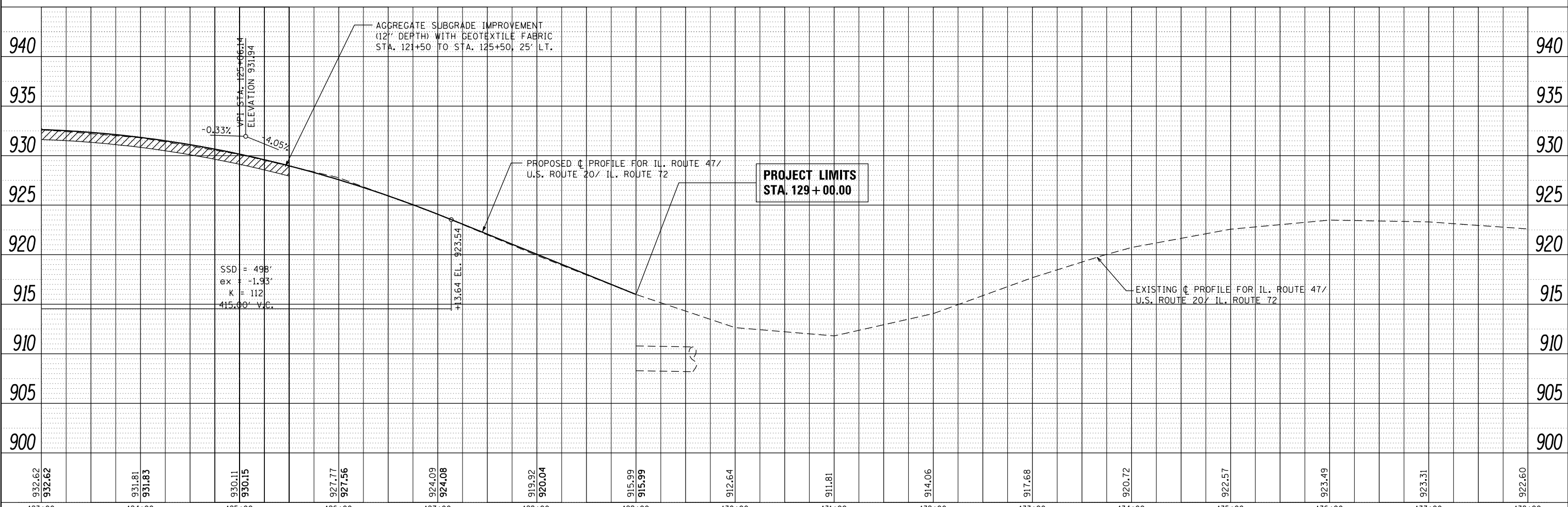
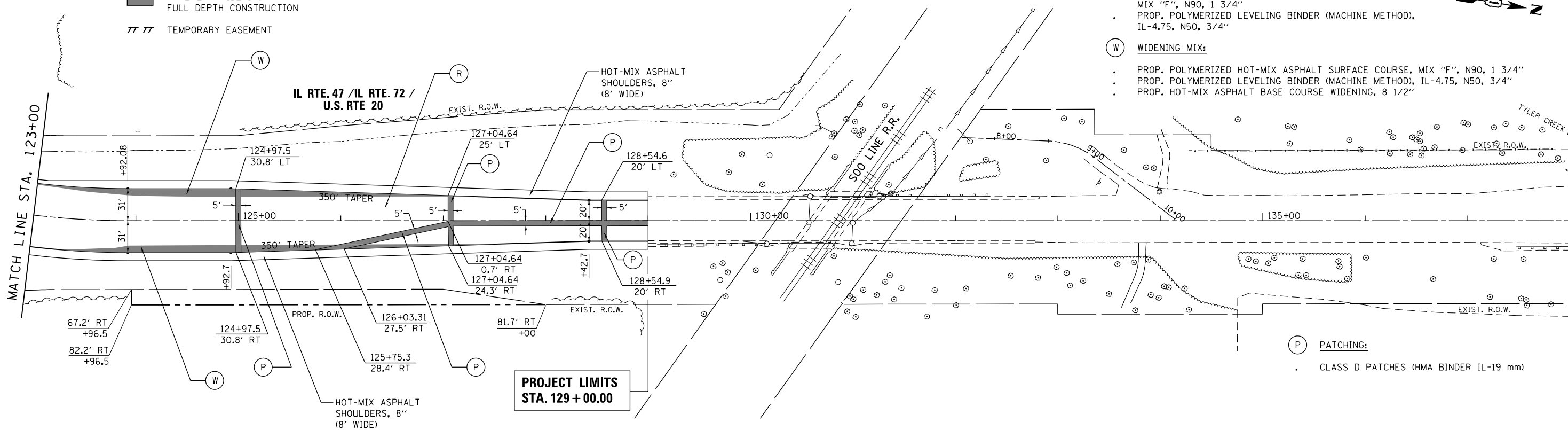
- CLASS D PATCHES (HMA BINDER IL-19 mm)



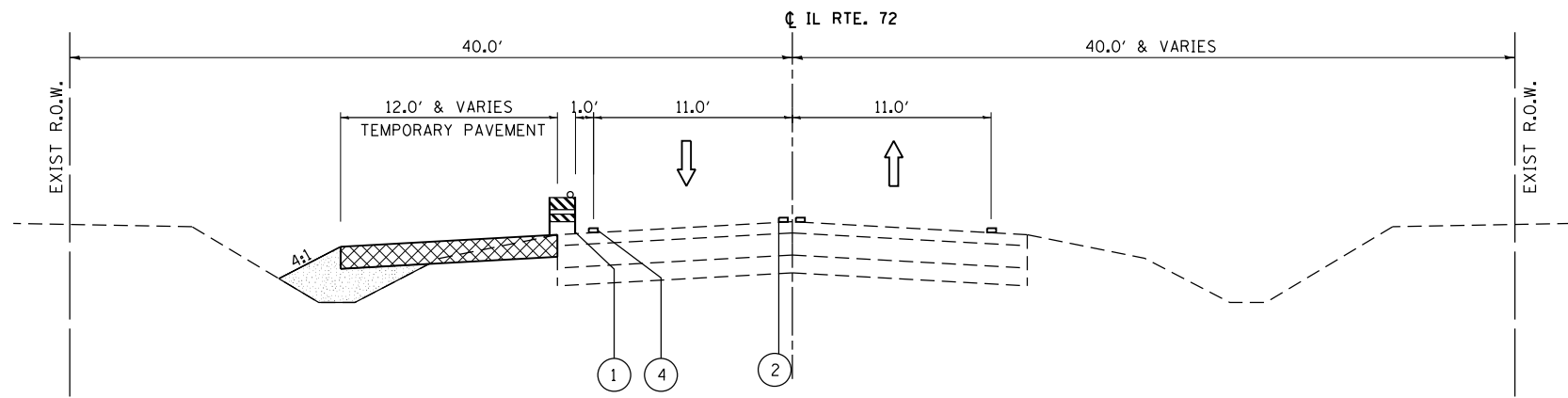
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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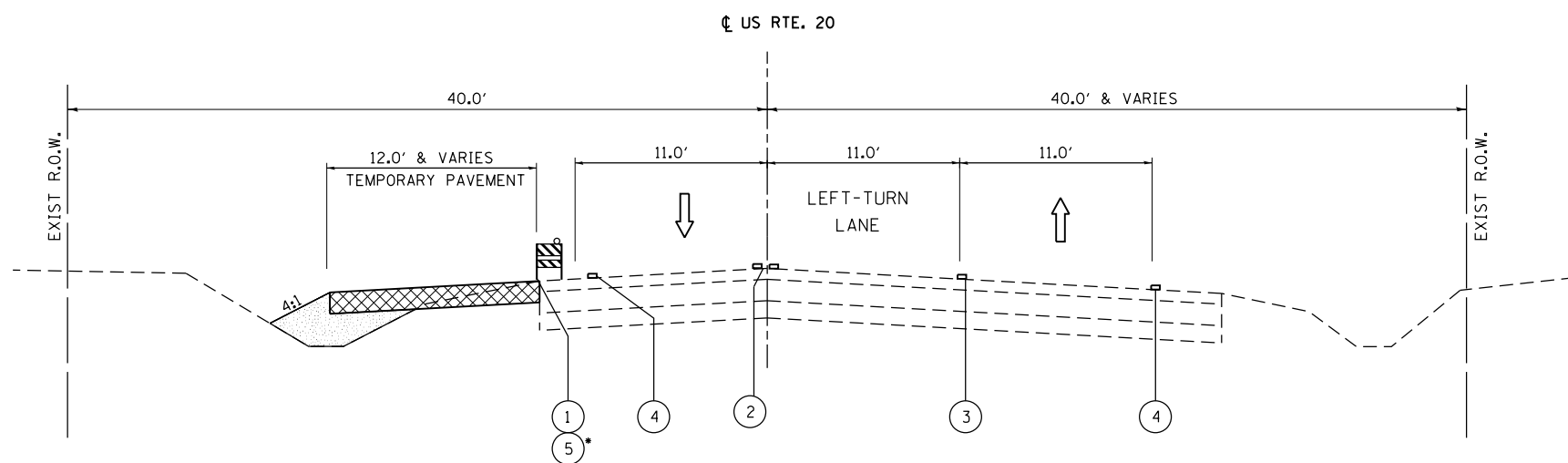
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -		SCALE: 1"=50'	SHEET 4	OF 4	SHEETS	STA. 123+00	TO STA. 129+00	KANE	147	31
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -		CONTRACT NO. 60T09								
					ILLINOIS FED. AID PROJECT								



M.O.T. TYPICAL SECTION – STAGE 1

IL ROUTE 72

STA. 59+60 TO STA. 70+00
(LOOKING EAST)



M.O.T. TYPICAL SECTION – STAGE 1

U.S. ROUTE 20

STA. 70+00 TO STA. 81+00
(LOOKING WEST)

* TEMPORARY CONCRETE BARRIER LOCATED
BETWEEN STA. 74+00 TO 76+00

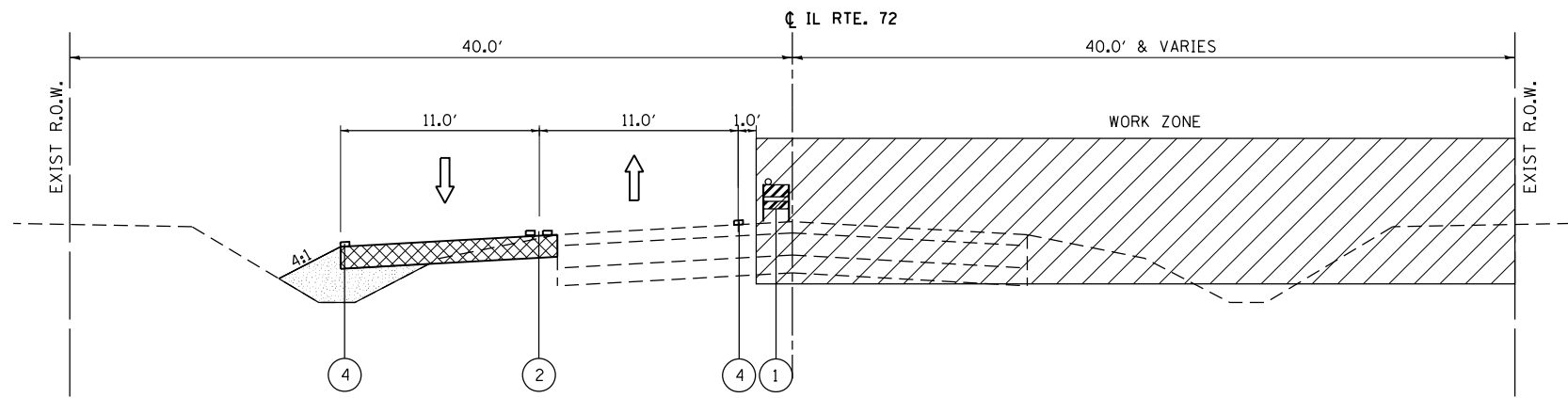
LEGEND

- ① TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- ② EXISTING 4" DOUBLE SOLID YELLOW (11" C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ⑤ TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- ▨ WORK ZONE

NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701422 FOR ADDITIONAL INFORMATION.

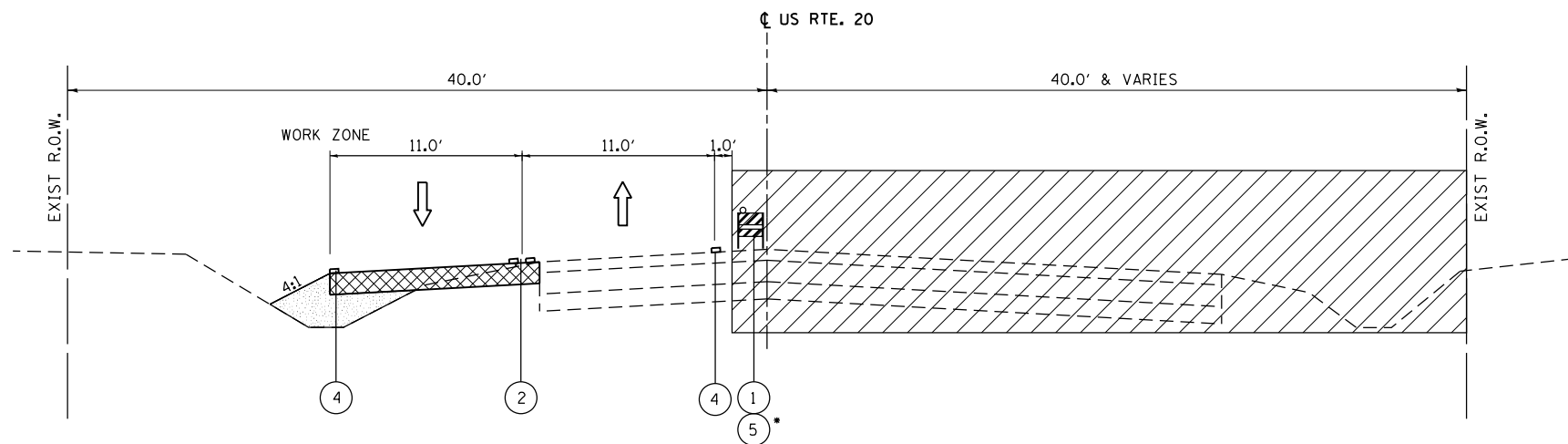
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Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	32	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 1 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



M.O.T. TYPICAL SECTION – STAGE 2

IL ROUTE 72

STA. 59+60 TO STA. 70+00
(LOOKING EAST)



M.O.T. TYPICAL SECTION – STAGE 2

U.S. ROUTE 20

STA. 70+00 TO STA. 81+00
(LOOKING WEST)

* TEMPORARY CONCRETE BARRIER LOCATED
BETWEEN STA. 74+00 TO 76+00

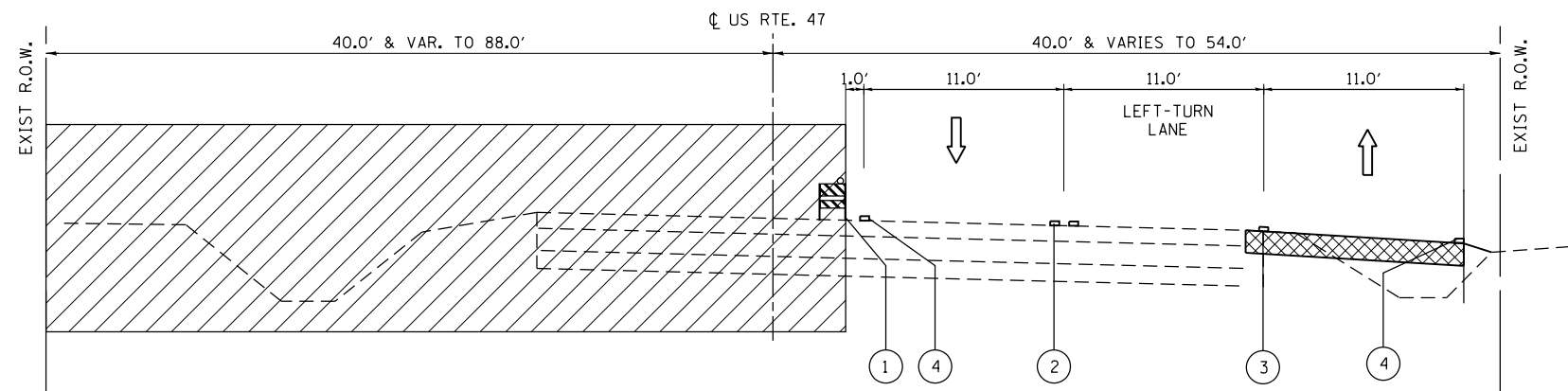
LEGEND

- ① TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- ② EXISTING 4" DOUBLE SOLID YELLOW (11" C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ⑤ TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- ▨ WORK ZONE

NOTES

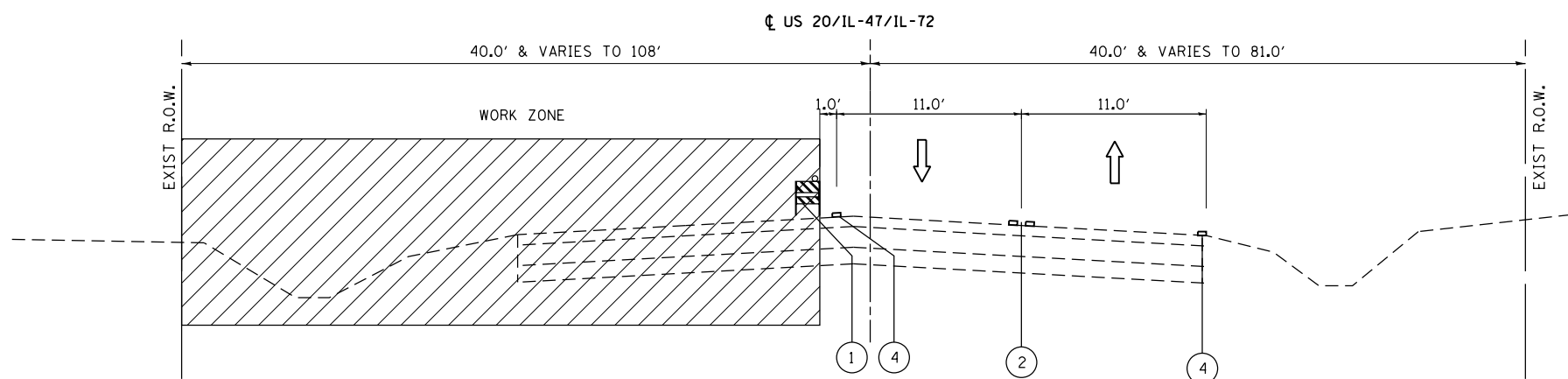
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701422 FOR ADDITIONAL INFORMATION.

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Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	34	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 3 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



**M.O.T. TYPICAL SECTION STAGE 2
IL ROUTE 47**

STA. 110+70 TO STA. 120+00
(LOOKING NORTH)



**M.O.T. TYPICAL SECTION - STAGE 2
U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72**

STA. 120+00 TO STA. 129+00
(LOOKING NORTH)

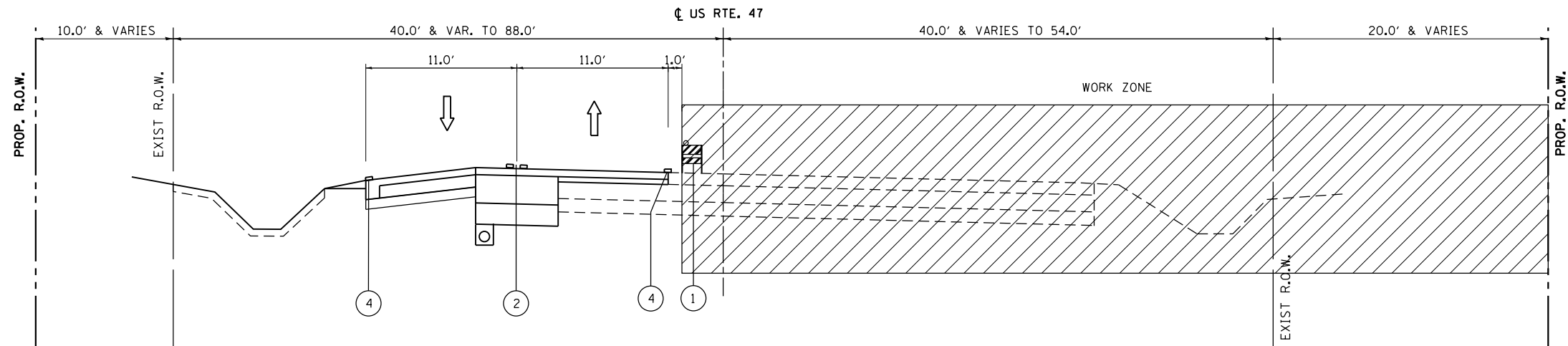
LEGEND

- ① TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- ② EXISTING 4" DOUBLE SOLID YELLOW (11" C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ← DIRECTION OF TRAFFIC
- ▨ WORK ZONE

NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701326 FOR ADDITIONAL INFORMATION.

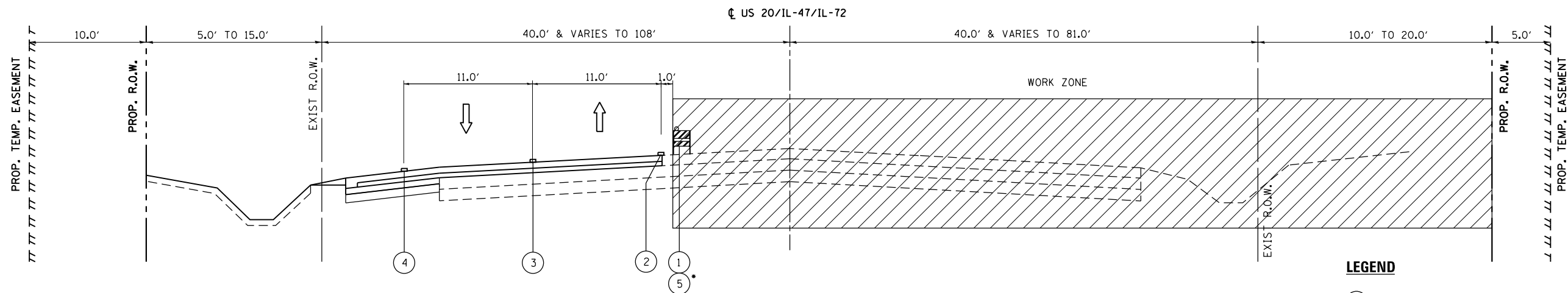
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		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 4	OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



M.O.T. TYPICAL SECTION – STAGE 2

IL ROUTE 47

STA. 110+70 TO STA. 120+00
(LOOKING NORTH)



M.O.T. TYPICAL SECTION – STAGE 2
U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72

STA. 120+00 TO STA. 129+00
(LOOKING NORTH)

*TEMPORARY CONCRETE BARRIER LOCATED
BETWEEN STA. 127+00 TO 129+00

LEGEND

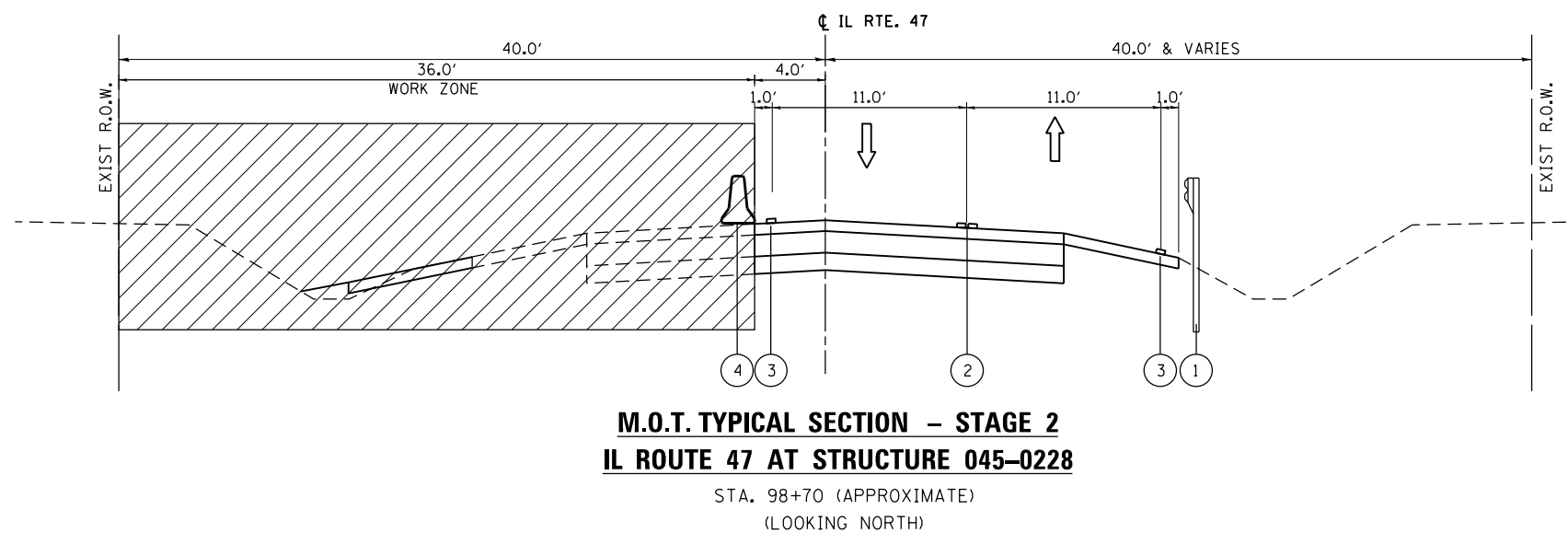
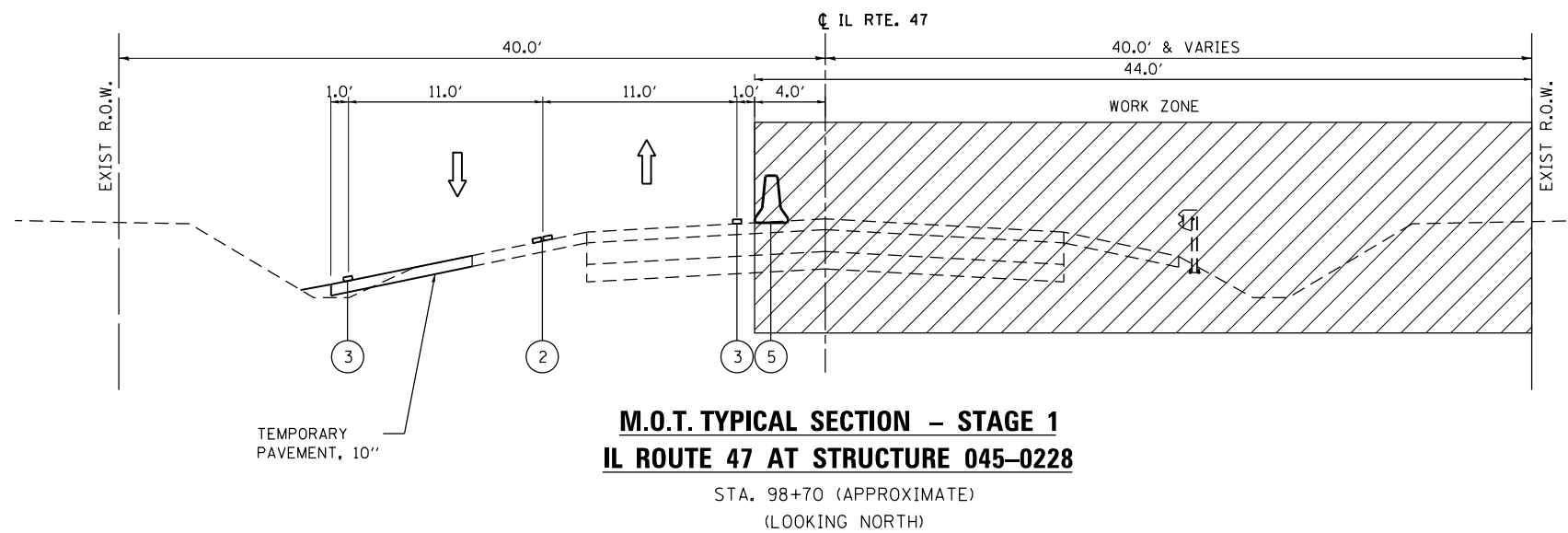
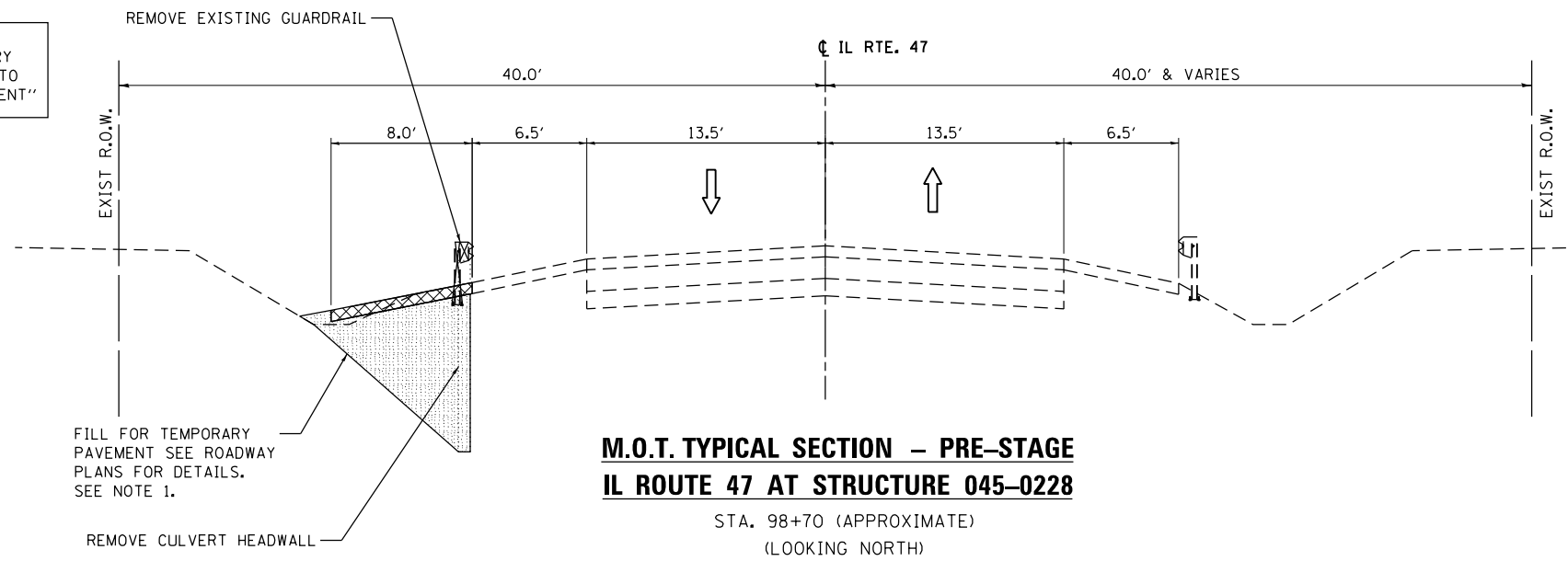
- ① TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ⑤ TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- ▨ WORK ZONE

NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS,
THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701422 FOR
ADDITIONAL INFORMATION.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3 TYPICAL SECTION – SOUTH JUNCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	37	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 6 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

NOTE 1:
THE COST OF FILL FOR TEMPORARY PAVEMENT SHALL BE INCIDENTAL TO THE COST OF "TEMPORARY PAVEMENT"



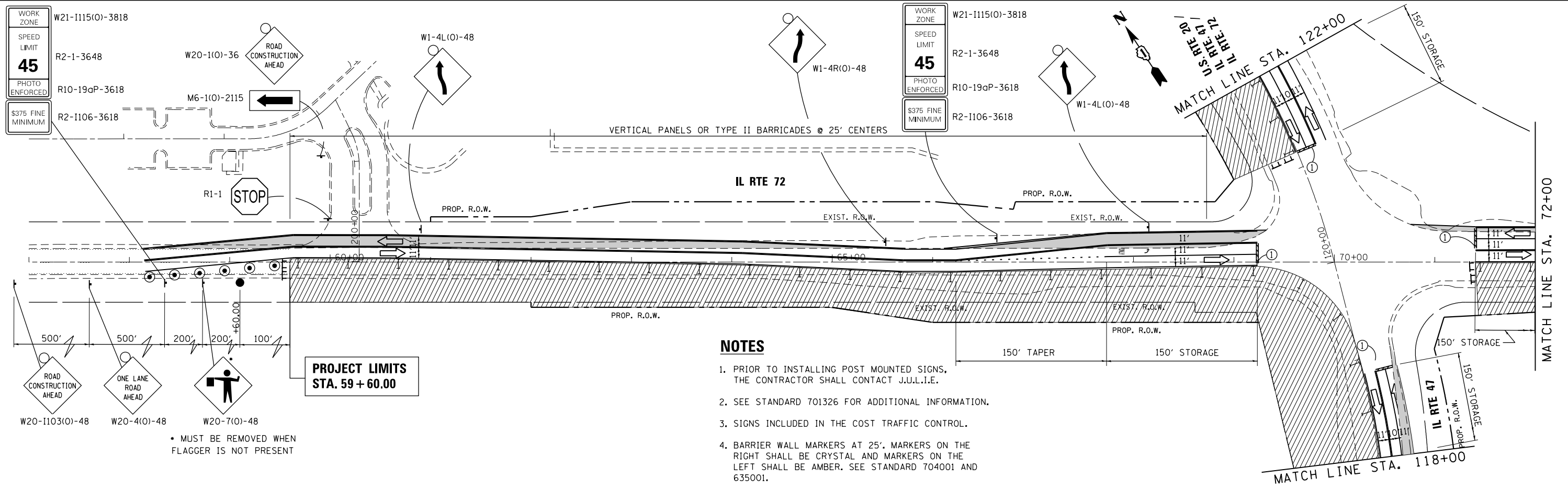
LEGEND

- ① PROPOSED GUARDRAIL
- ② TEMPORARY 4" DOUBLE SOLID YELLOW (11" C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ④ TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- ▩ TEMPORARY PAVEMENT - 10"

NOTES

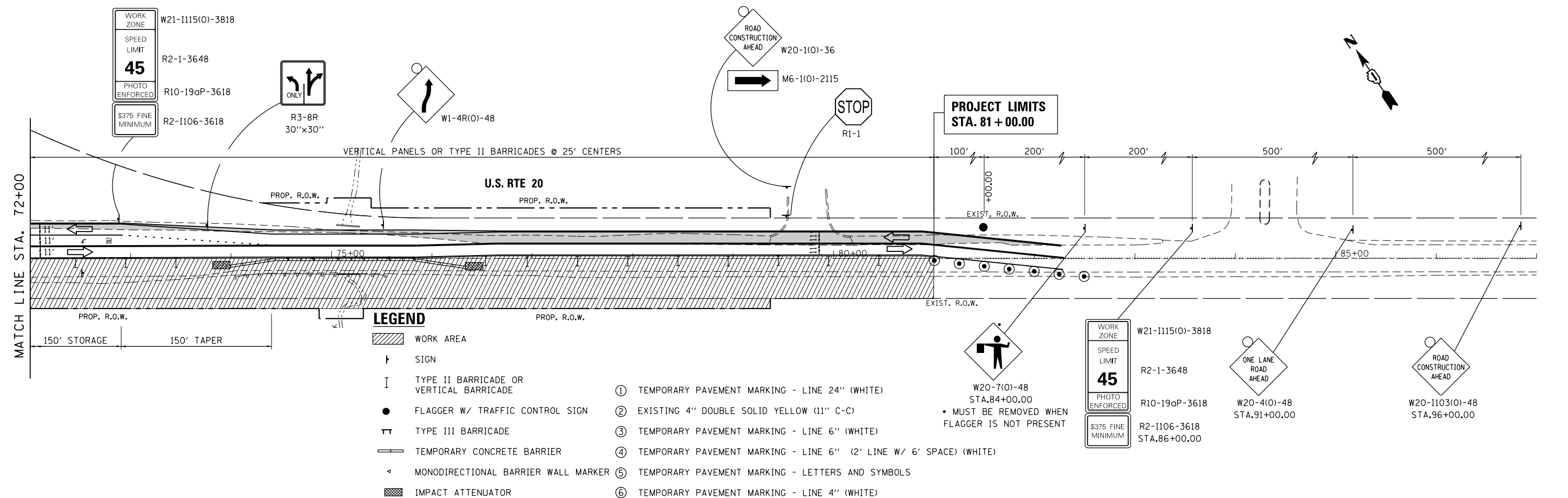
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701423 FOR ADDITIONAL INFORMATION.

FILE NAME =	USER NAME = chr1sfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTION CULVERT REMOVAL - IL RTE. 47 AT STRUCTURE 045-0228	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	38	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 7	OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STANDARD 701326 FOR ADDITIONAL INFORMATION.
3. SIGNS INCLUDED IN THE COST TRAFFIC CONTROL.
4. BARRIER WALL MARKERS AT 25'. MARKERS ON THE RIGHT SHALL BE CRYSTAL AND MARKERS ON THE LEFT SHALL BE AMBER. SEE STANDARD 704001 AND 635001.










LEGEND

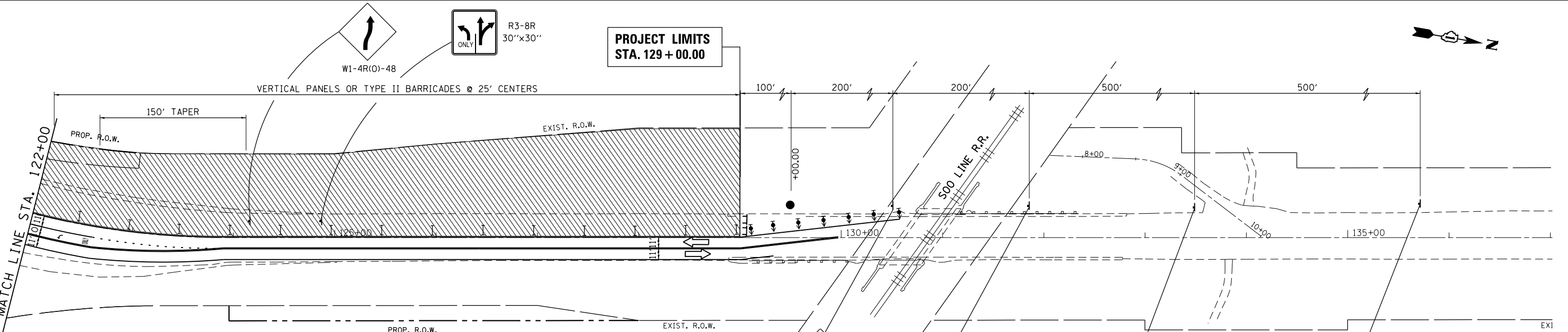
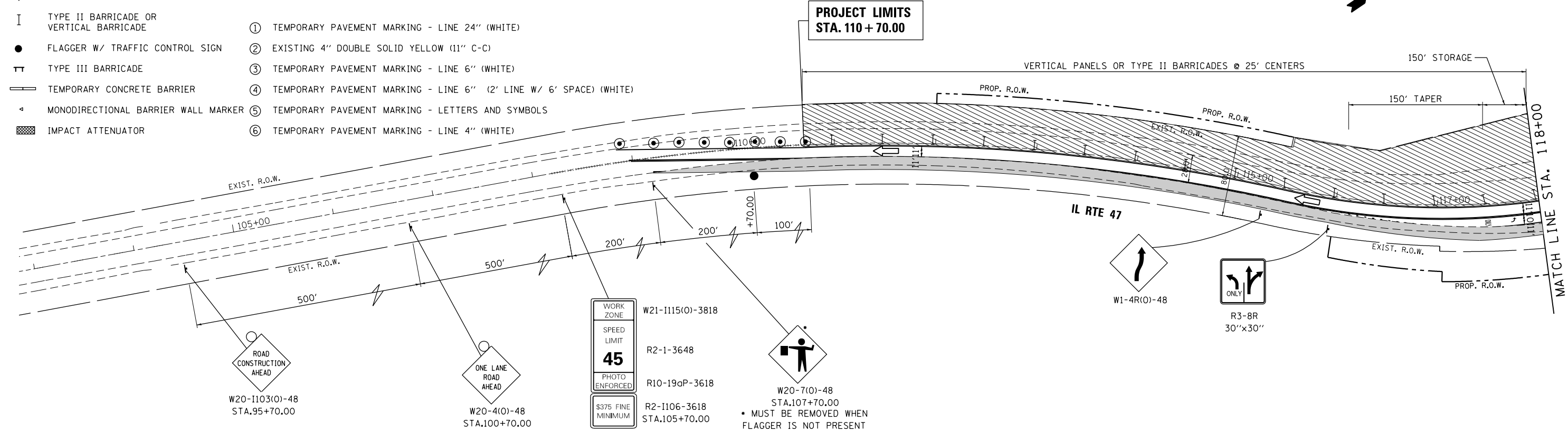
- WORK AREA
 - SIGN
 - TYPE II BARRICADE OR VERTICAL BARRICADE
 - FLAGGER W/ TRAFFIC CONTROL SIGN
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - MONODIRECTIONAL BARRIER WALL MARKER
 - IMPACT ATTENUATOR
- ① TEMPORARY PAVEMENT MARKING - LINE 24" (WHITE)
 - ② EXISTING 4" DOUBLE SOLID YELLOW (11" C-C)
 - ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
 - ④ TEMPORARY PAVEMENT MARKING - LINE 6" (2' LINE W/ 6' SPACE) (WHITE)
 - ⑤ TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS
 - ⑥ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)

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FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 US RTE 20 (SOUTH JUNCTION)			F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 39
Default	PLOT SCALE = 100.0000' / in.	DRAWN - MTM	REVISED -		SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 59+60	TO STA. 81+00	CONTRACT NO. 60T09		
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 3/31/14	REVISED -									

LEGEND

-  WORK AREA
-  SIGN
-  TYPE II BARRICADE OR VERTICAL BARRICADE
-  FLAGGER W/ TRAFFIC CONTROL SIGN
-  TYPE III BARRICADE
-  TEMPORARY CONCRETE BARRIER
-  MONODIRECTIONAL BARRIER WALL MARKER
-  IMPACT ATTENUATOR
- ① TEMPORARY PAVEMENT MARKING - LINE 24" (WHITE)
- ② EXISTING 4" DOUBLE SOLID YELLOW (11" C-C)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LINE 6" (2' LINE W/ 6' SPACE) (WHITE)
- ⑤ TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)



NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STANDARD 701326 FOR ADDITIONAL INFORMATION.
3. SIGNS INCLUDED IN THE COST TRAFFIC CONTROL.
4. BARRIER WALL MARKERS AT 25'. MARKERS ON THE RIGHT SHALL BE CRYSTAL AND MARKERS ON THE LEFT SHALL BE AMBER. SEE STANDARD 704001 AND 635001.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -
		DRAWN - MTM	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - BA	REVISED -
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 US RTE 20 (SOUTH JUNCTION)			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. 110+70 TO STA. 129+00

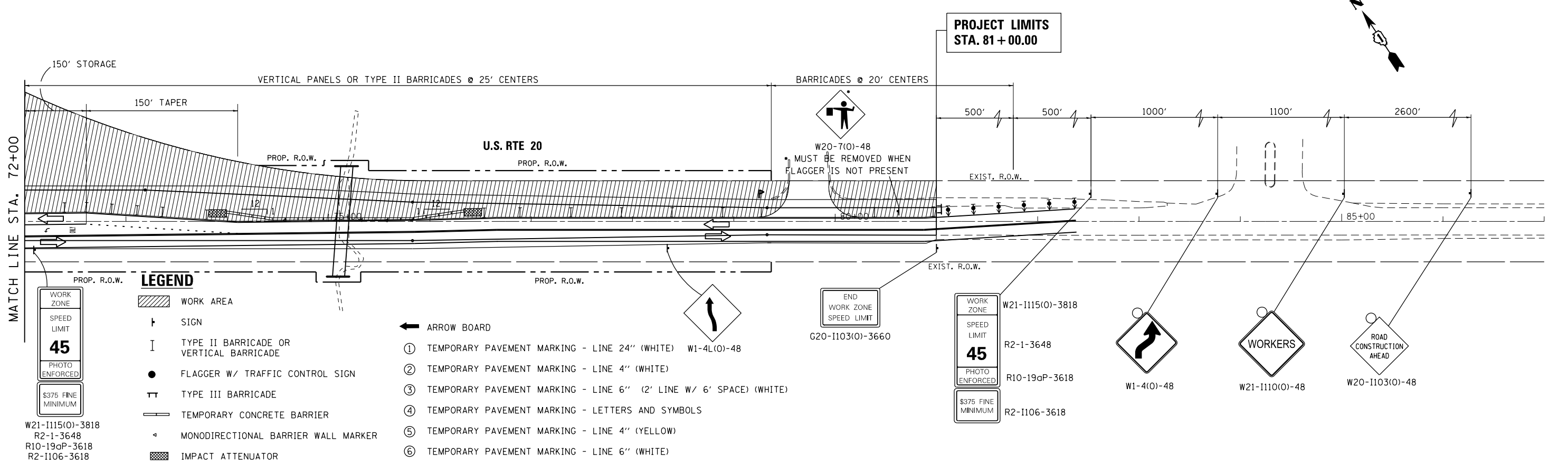
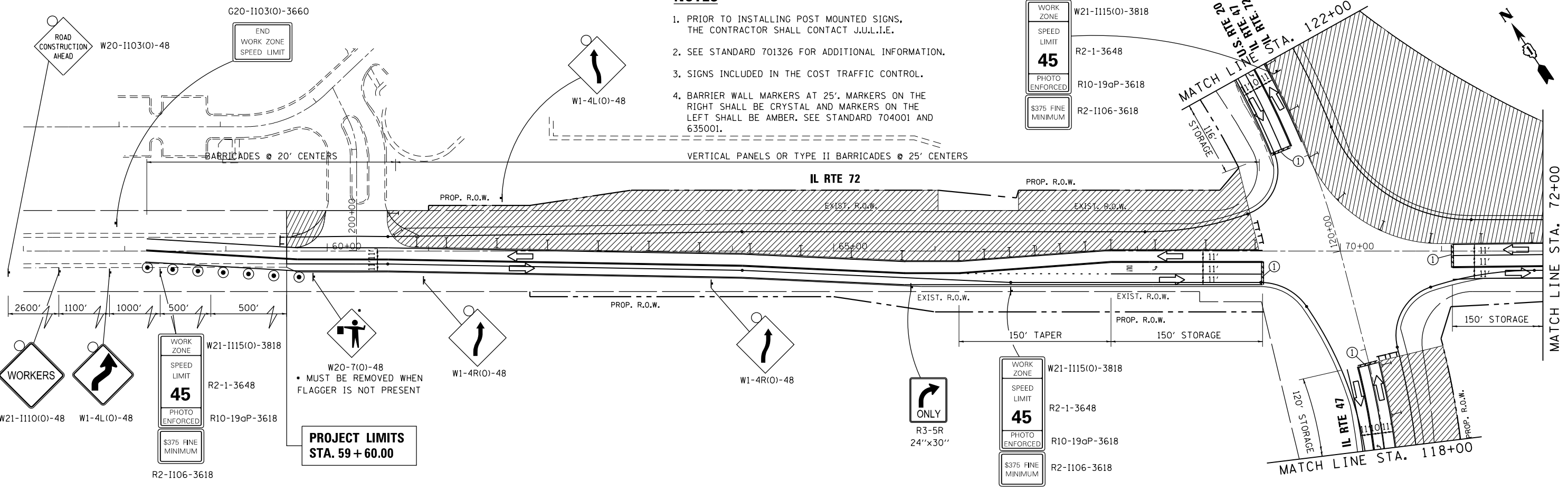
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	40
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

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NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STANDARD 701326 FOR ADDITIONAL INFORMATION.
3. SIGNS INCLUDED IN THE COST TRAFFIC CONTROL.
4. BARRIER WALL MARKERS AT 25'. MARKERS ON THE RIGHT SHALL BE CRYSTAL AND MARKERS ON THE LEFT SHALL BE AMBER. SEE STANDARD 704001 AND 635001.

VERTICAL PANELS OR TYPE II BARRICADES @ 25' CENTERS



LEGEND

- WORK AREA
- SIGN
- TYPE II BARRICADE OR VERTICAL BARRICADE
- FLAGGER W/ TRAFFIC CONTROL SIGN
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER
- MONODIRECTIONAL BARRIER WALL MARKER
- IMPACT ATTENUATOR
- ARROW BOARD
- ① TEMPORARY PAVEMENT MARKING - LINE 24" (WHITE) W1-4L(0)-48
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 6" (2' LINE W/ 6' SPACE) (WHITE)
- ④ TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)

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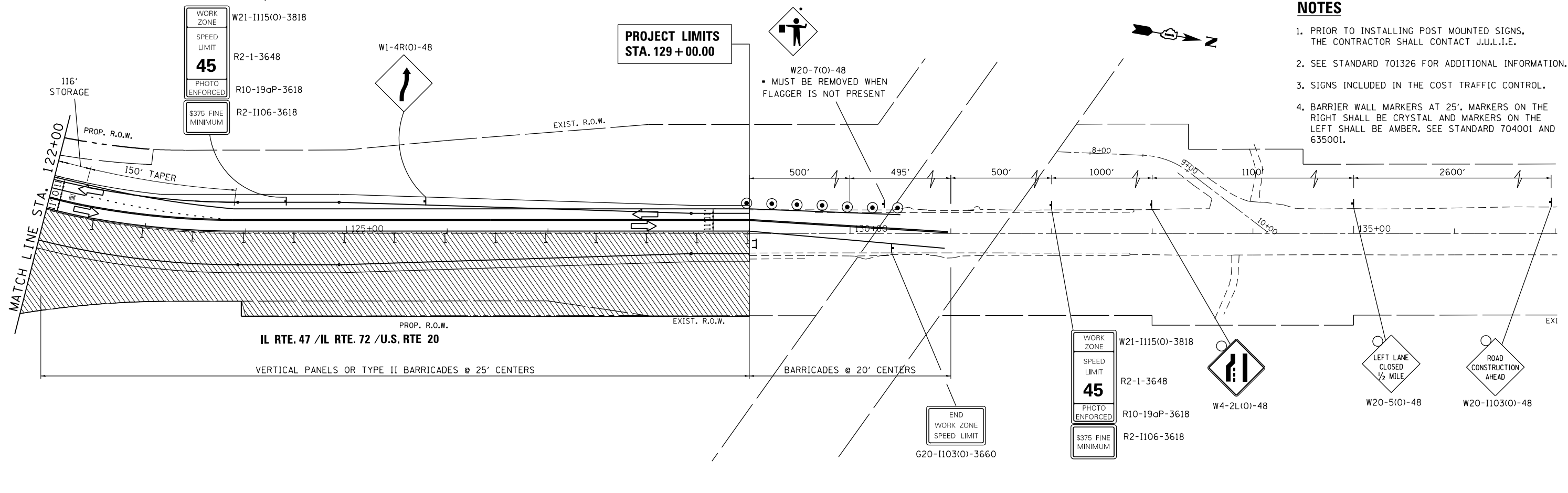
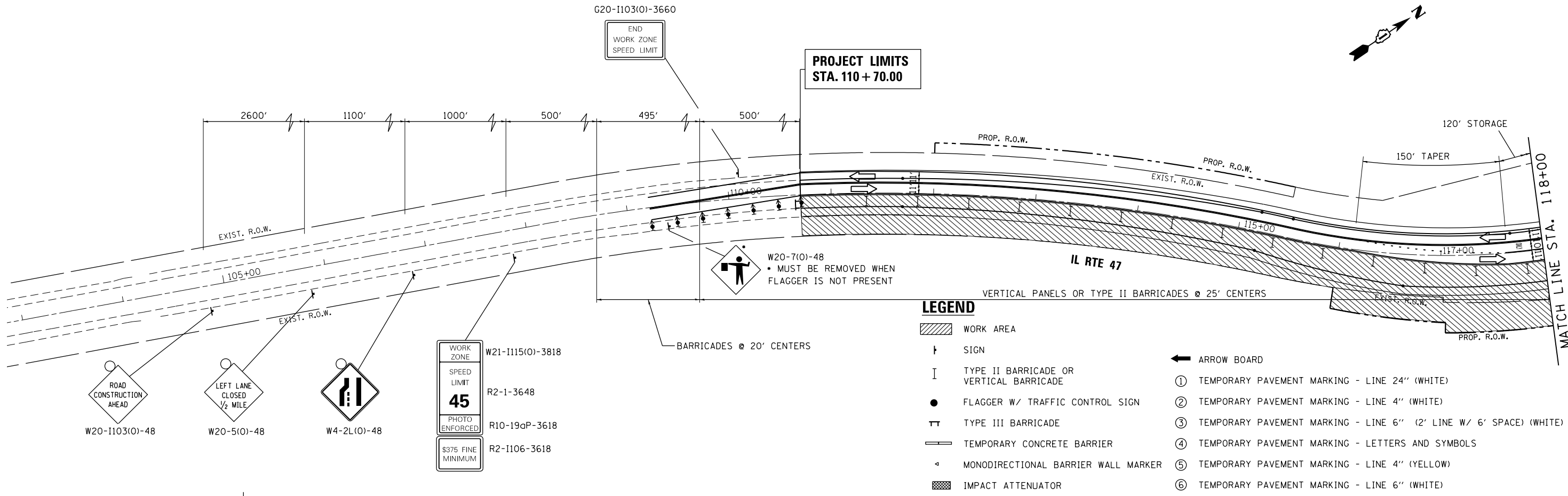
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3			
US RTE 20 (SOUTH JUNCTION)			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 59+60 TO STA. 81+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	41
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

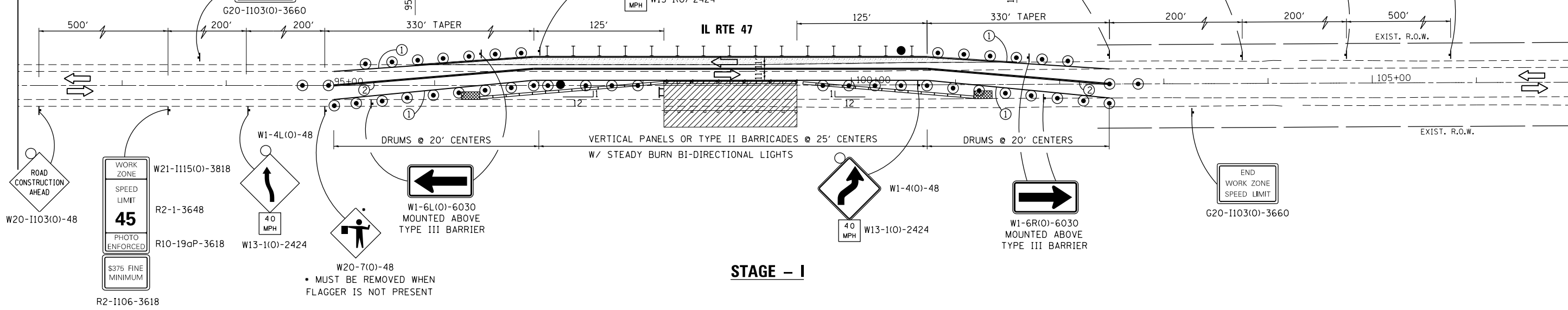
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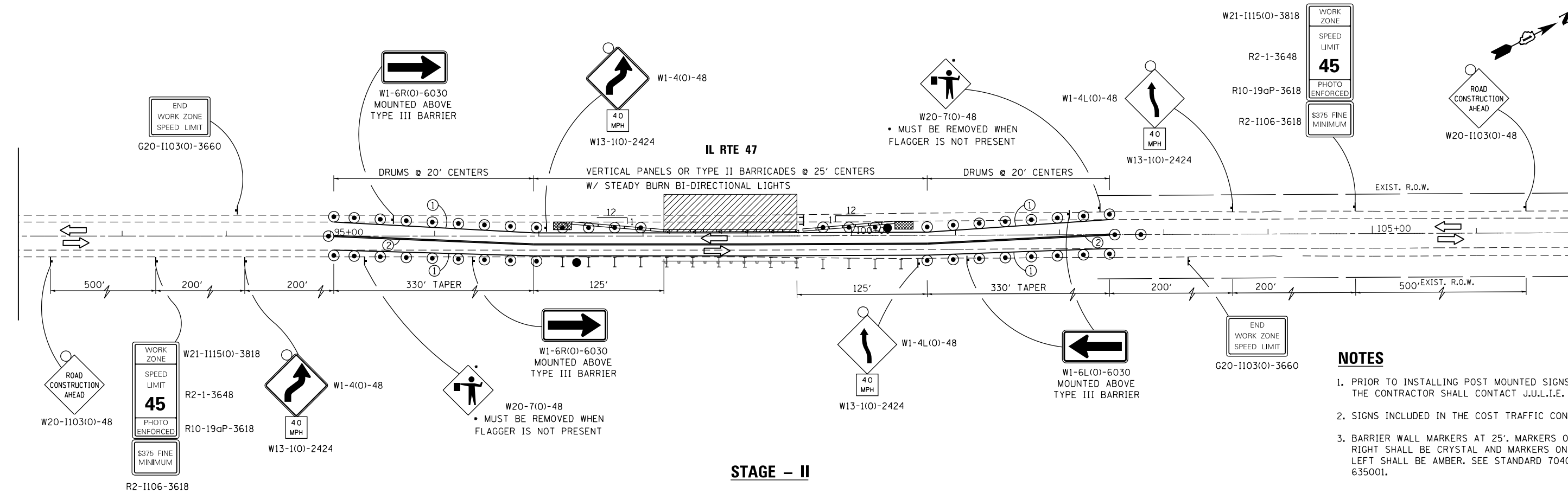
FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3 US RTE 20 (SOUTH JUNCTION)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / 1in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	42	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			ILLINOIS FED. AID PROJECT					

LEGEND

- ↑ ARROW BOARD
- ▨ WORK AREA
- ↑ SIGN
- ↑ DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
- I TYPE II BARRICADE OR VERTICAL PANEL
- DRUM, W/ STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER W/ TRAFFIC CONTROL SIGN
- ⊕ DRUM W/ BI-DIRECTIONAL STEADY BURN
- ⊔ TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER
- ▨ TEMPORARY PAVEMENT - 10"
- ① TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW 11" C-C)
- ▨ IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3



STAGE - I



STAGE - II

- NOTES**
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
 2. SIGNS INCLUDED IN THE COST TRAFFIC CONTROL.
 3. BARRIER WALL MARKERS AT 25'. MARKERS ON THE RIGHT SHALL BE CRYSTAL AND MARKERS ON THE LEFT SHALL BE AMBER. SEE STANDARD 704001 AND 635001.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC - STAGES 1 & 2 CULVERT REMOVAL - IL RTE. 47 AT STRUCTURE 045-0228	F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 43		
Default	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -			SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60T09		
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -			ILLINOIS FED. AID PROJECT						

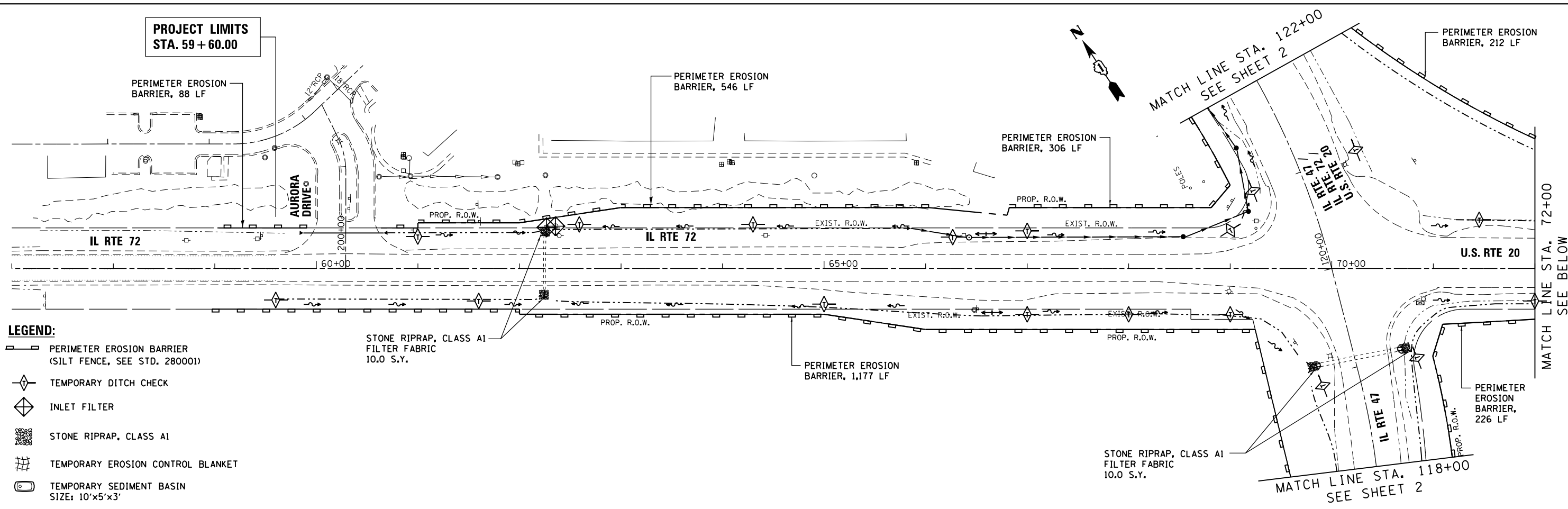
EROSION CONTROL GENERAL NOTES

1. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COST WILL BE PAID TO THE CONTRACT OR FOR CHANGED CONSTRUCTION LIMITS.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS AS INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.
4. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF THE YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND PERMANENT MEASURES.
5. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
6. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR RE-DISTURBANCE. A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED FOR AREAS THAT ARE DISTURBED BUT WILL NOT BE RESTORED WITHIN 14 DAYS.
7. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS APPROVED BY THE ENGINEER.
9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PRIME CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURE ON A WEEKLY BASIS OR AFTER A ONE-HALF INCH RAINFALL AND REPLACE, REPAIR OR CLEAN THEM ON A TIMELY BASIS. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOW MELT. ALL OFF SITE BORROW, WASTE AND USE AREAS ARE PART OF THE CONSTRUCTION SITE AND ARE TO BE INSPECTED AT THE SAME FREQUENCY OF ON SITE INSPECTIONS.
10. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID TRACKING DURING CONSTRUCTION.
11. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES. STOCKPILES OR SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS WILL RECEIVE TEMPORARY SEEDING WITHIN 7 CALENDAR DAYS.
12. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, SILT FILTER BAG (SPECIAL)) OR OTHER APPROPRIATE MEASURE.
13. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
14. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.
15. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012.
16. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
17. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTORS WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENT SET FORTH BY THE ILLINOIS EPA.
18. PERMANENT STABILIZATION ON STAGE 1 MUST BE COMPLETED PRIOR TO SWITCHING TRAFFIC THE STAGE 2 CONFIGURATION.
19. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH THOSE OF CONTRACT # 60T10 (US 20 AT IL 47/72 NORTH JUNCTION).

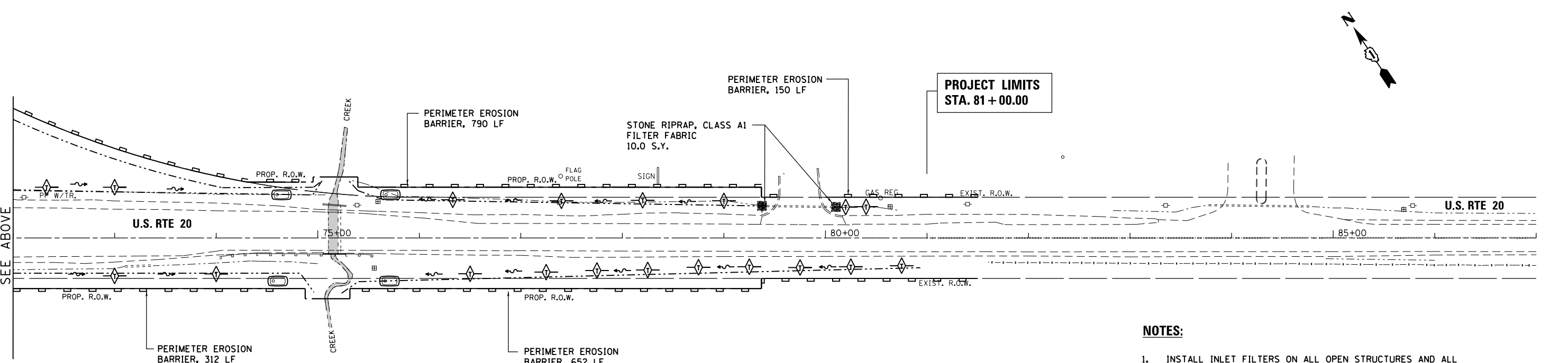
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FILE NAME =	USER NAME = chr15fish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY EROSION & SEDIMENTATION CONTROL – GENERAL NOTES U.S. RTE 20 (SOUTH JUNCTION)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-2	KANE	147	44	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			CONTRACT NO. 60T09					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 1	OF 5	SHEETS	STA.	TO STA.

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





- LEGEND:**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
 - TEMPORARY DITCH CHECK
 - INLET FILTER
 - STONE RIPRAP, CLASS A1
 - TEMPORARY EROSION CONTROL BLANKET
 - TEMPORARY SEDIMENT BASIN
SIZE: 10'x5'x3'

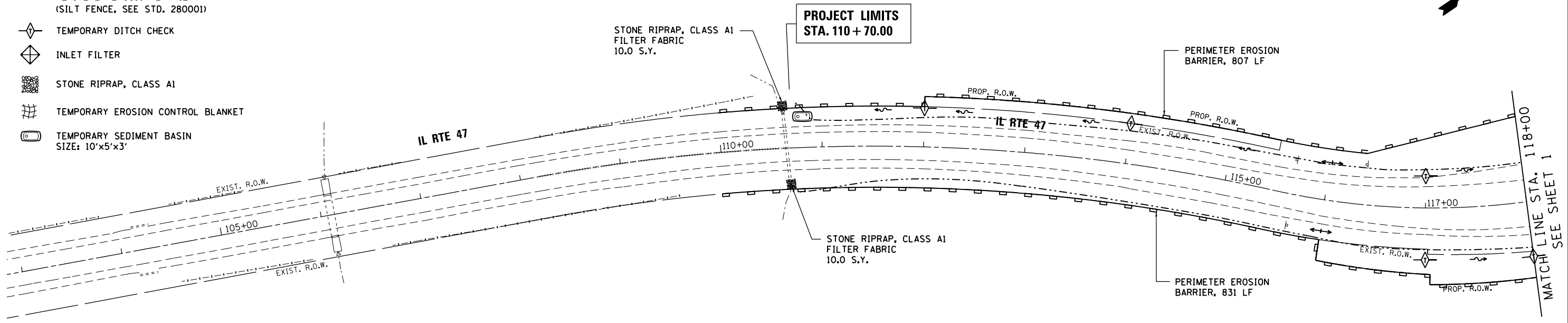


- NOTES:**
1. INSTALL INLET FILTERS ON ALL OPEN STRUCTURES AND ALL FLARED END SECTIONS.
 2. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS ON AREAS WITH SLOPES 1:3 OR STEEPER.

FILE NAME =	USER NAME = chr1s1fish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY EROSION & SEDIMENTATION CONTROL DETAILS - STAGE I U.S. RTE 20 (SOUTH JUNCTION)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / 1" =	DRAWN - MTM	REVISED -		SCALE: 1"=50'	SHEET 2	OF 5	SHEETS	STA. 59+60	TO STA. 81+00	KANE	147	45
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -										
		DATE - 3/31/14	REVISED -										CONTRACT NO. 60T09

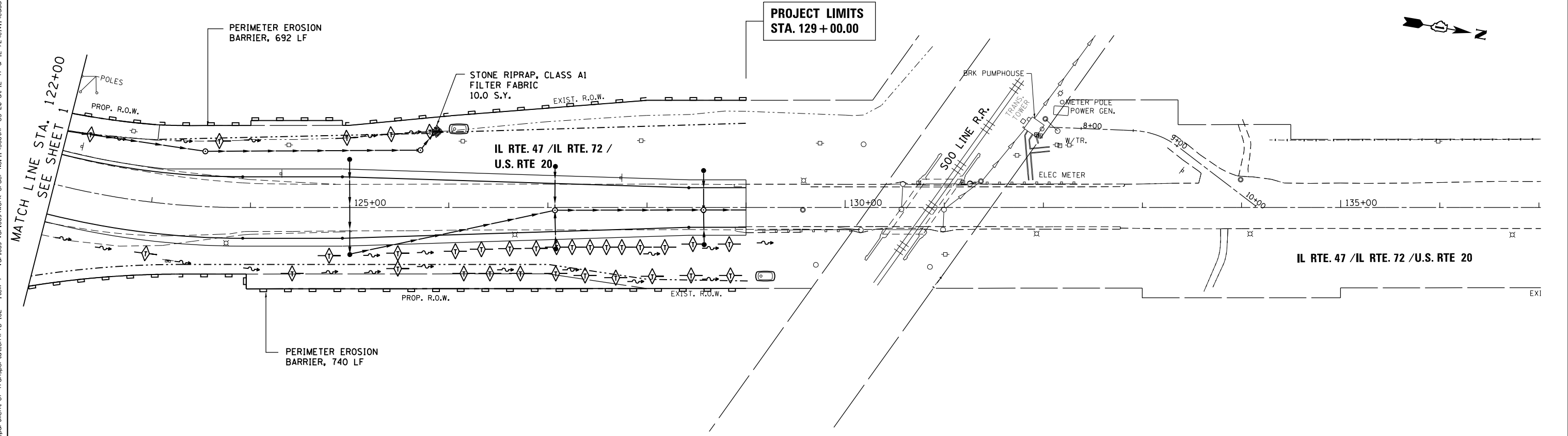
LEGEND:

-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
-  TEMPORARY DITCH CHECK
-  INLET FILTER
-  STONE RIPRAP, CLASS A1
-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY SEDIMENT BASIN SIZE: 10'x5'x3'



NOTES:

1. INSTALL INLET FILTERS ON ALL OPEN STRUCTURES AND ALL FLARED END SECTIONS.
2. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS ON AREAS WITH SLOPES 1:3 OR STEEPER.



FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -
Default		DRAWN - MTM	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - BA	REVISED -
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

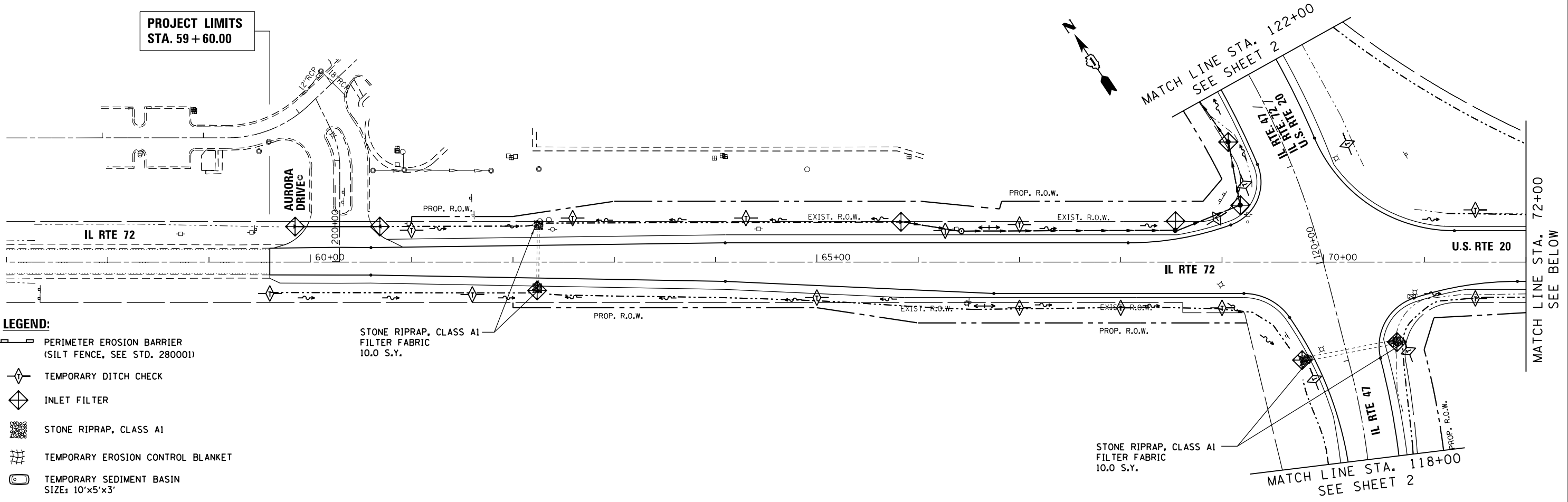
**TEMPORARY EROSION & SEDIMENTATION CONTROL DETAILS - STAGE I
U.S. RTE 20 (SOUTH JUNCTION)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	46
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 110+70 TO STA. 129+00

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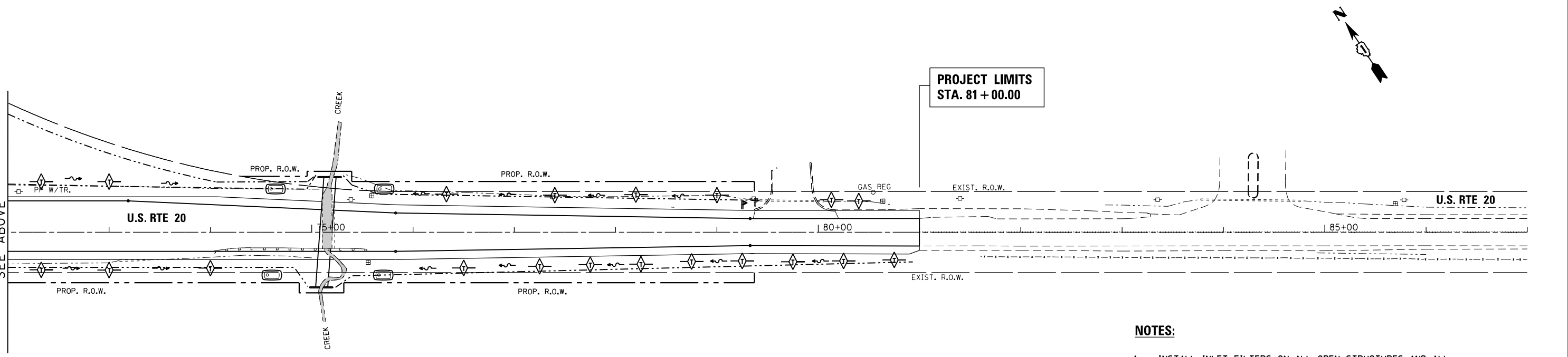
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- LEGEND:**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
 - TEMPORARY DITCH CHECK
 - INLET FILTER
 - STONE RIPRAP, CLASS A1
 - TEMPORARY EROSION CONTROL BLANKET
 - TEMPORARY SEDIMENT BASIN SIZE: 10'x5'x3'

STONE RIPRAP, CLASS A1
FILTER FABRIC
10.0 S.Y.

STONE RIPRAP, CLASS A1
FILTER FABRIC
10.0 S.Y.



- NOTES:**
1. INSTALL INLET FILTERS ON ALL OPEN STRUCTURES AND ALL FLARED END SECTIONS.
 2. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS ON AREAS WITH SLOPES 1:3 OR STEEPER.

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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

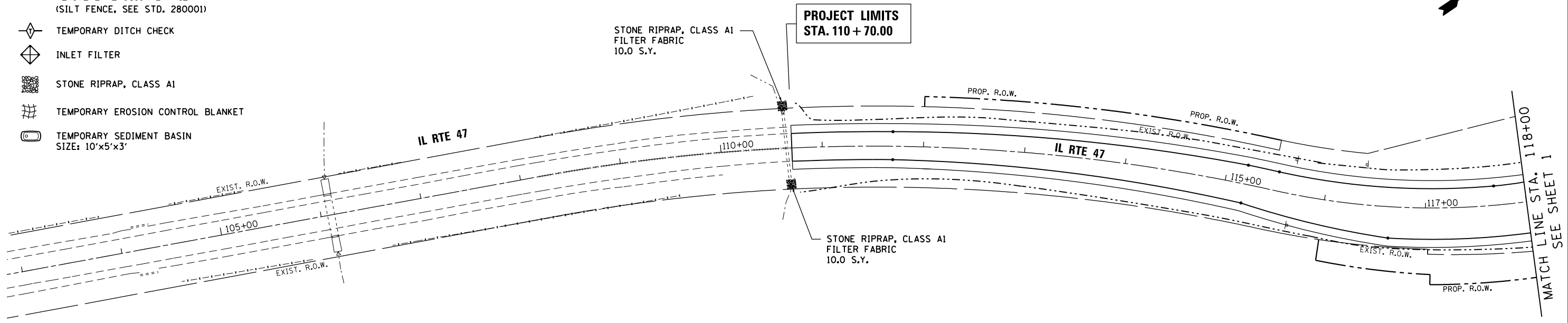
**TEMPORARY EROSION & SEDIMENTATION CONTROL DETAILS - STAGE II
U.S. RTE 20 (SOUTH JUNCTION)**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 59+60 TO STA. 81+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	47
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

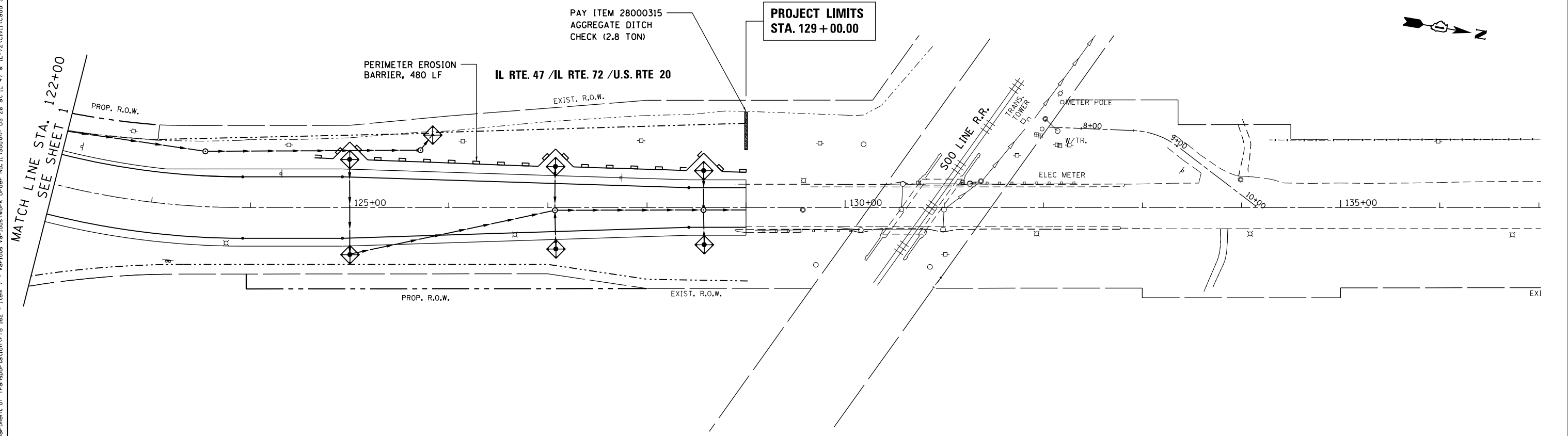
LEGEND:

-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
-  TEMPORARY DITCH CHECK
-  INLET FILTER
-  STONE RIPRAP, CLASS A1
-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY SEDIMENT BASIN SIZE: 10'x5'x3'



NOTES:

1. INSTALL INLET FILTERS ON ALL OPEN STRUCTURES AND ALL FLARED END SECTIONS.
2. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS ON AREAS WITH SLOPES 1:3 OR STEEPER.



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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION & SEDIMENTATION CONTROL DETAILS - STAGE II
U.S. RTE 20 (SOUTH JUNCTION)**

SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. 110+70 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	48
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE

PAY ITEM	UNIT	QUANTITY
TRENCH BACKFILL	CU.YD.	1,162
PRECAST CONCRETE BOX CULVERTS 3'X2'	FOOT	20
PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	80
PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	5
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2
STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	616
STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	877
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4

DRAINAGE AND UTILITIES GENERAL NOTES:

1. ALL STORM SEWERS AND PIPE CULVERTS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE IDOT STANDARD AND SUPPLEMENTAL SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE A.A.S.H.T.O. DESIGNATION M170 (A.S.T.M. DESIGNATION C76), WITH A MINIMUM OF CLASS III.

2. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTION WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

3. ALL BACKFILLING OPERATIONS SHALL CONFORM TO ARTICLE 550.07 OF THE IDOT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

4. TRENCH BACKFILL SHALL BE USED ON THE ENTIRE LENGTH OF THE MAIN DRAIN.

5. ALL BENDS SHOWN WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT OF THE RESPECTIVE SIZE STORM SEWER.

6. PREFORMED FLEXIBLE GASKETS ARE TO BE USED ON ALL CIRCULAR STORM SEWERS AND CULVERTS AND SHALL CONFORM TO ARTICLE 1056.01 OF THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR STORM SEWER OF SPECIFIED SIZE.

7. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNER OF THE UTILITY.

8. EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.

9. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING MANHOLE SHALL BE INCIDENTAL TO THE COST OF STORM SEWER.

10. INVERT ELEVATIONS FOR PROPOSED DRAINAGE STRUCTURES TO BE CONNECTED TO EXISTING STRUCTURES ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR IS TO VERIFY AND ADJUST PROPOSED INVERTS AS NECESSARY IN ORDER TO ACHIEVE POSITIVE DRAINAGE.

11. ALL ADJUSTMENTS OR RECONSTRUCTIONS REQUIRED FOR STRUCTURES SHALL INCLUDE THE REMOVAL AND REPLACEMENT, AT THE CONTRACTOR'S EXPENSE, OF ALL UNSUITABLE 24 INCH INSIDE DIAMETER ADJUSTING RINGS.

12. IT IS UNDERSTOOD THAT THE PAY ITEM FOR STORM SEWER REMOVAL DOES NOT INCLUDE THE PROVISION OF FINE AGGREGATE TRENCH BACKFILL MATERIAL AS DESCRIBED IN ARTICLE 208.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. AN ESTIMATED QUANTITY OF TRENCH BACKFILL HAS BEEN ADDED TO THE PLANS FOR THE PURPOSES OF BACKFILLING THE TRENCH REMAINING FROM THE STORM SEWER REMOVAL TO BE USED AT THE DIRECTION OF THE ENGINEER.

13. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT NOT ALL THE EXISTING UNDERGROUND UTILITIES HAVE BEEN DELINEATED ON THE PLANS AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL EXISTING KNOWN UTILITIES. NO EXTRA COMPENSATION WILL BE ALLOWED FOR DELAYS ARISING FROM ANY WORK PERFORMED BY THE UTILITY COMPANY.

14. THE CONTRACTOR SHOULD CONTACT J.U.L.I.E. AT LEAST 48 HOURS BEFORE START OF CONSTRUCTION AT 1-800-892-0123.

15. OFFSETS FOR DRAINAGE STRUCTURES ARE TO CENTER OF FRAME.

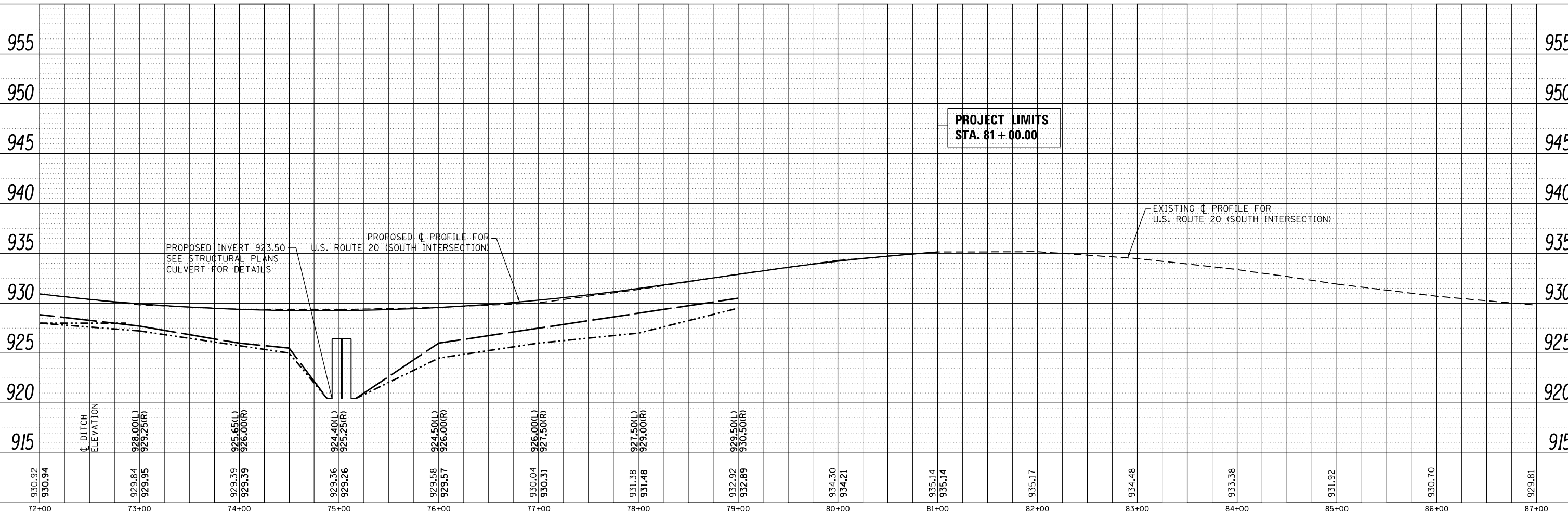
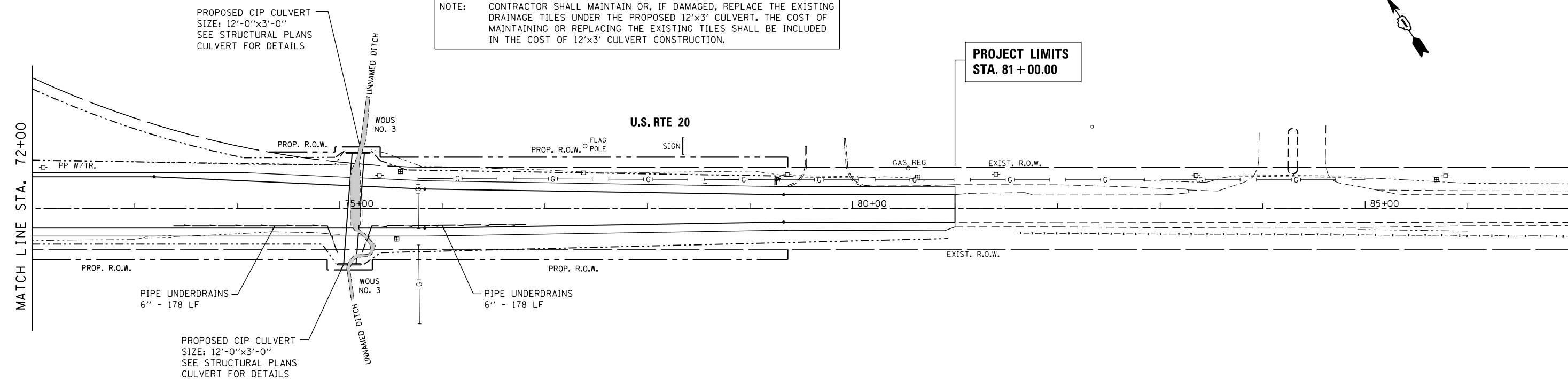
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SHT.PLAN	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE AND UTILITIES US RTE 20 (SOUTH JUNCTION)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1".	DRAWN - MTM	REVISED -					345	106-S-N-2	KANE	147	49
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -		CONTRACT NO. 60T09							
		DATE - 3/31/14	REVISED -		SCALE: N.T.S.	SHEET 1 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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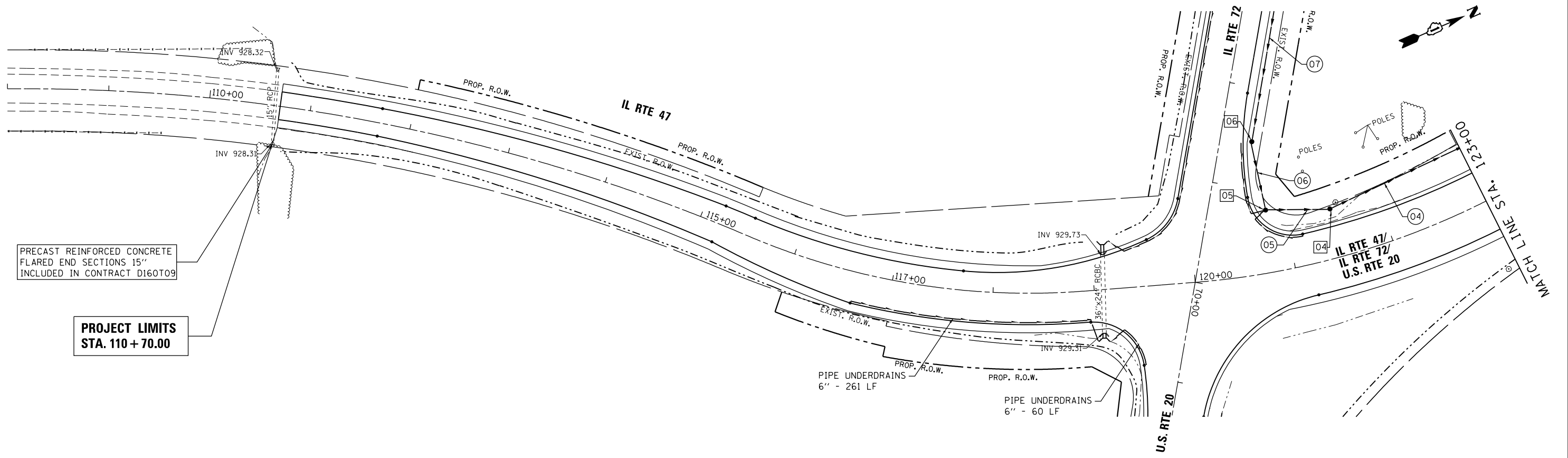


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		DATE - 3/31/14	REVISED -		SCALE: 1"=50'	SHEET 3	OF 6 SHEETS	STA. 72+00	TO STA. 81+00				

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

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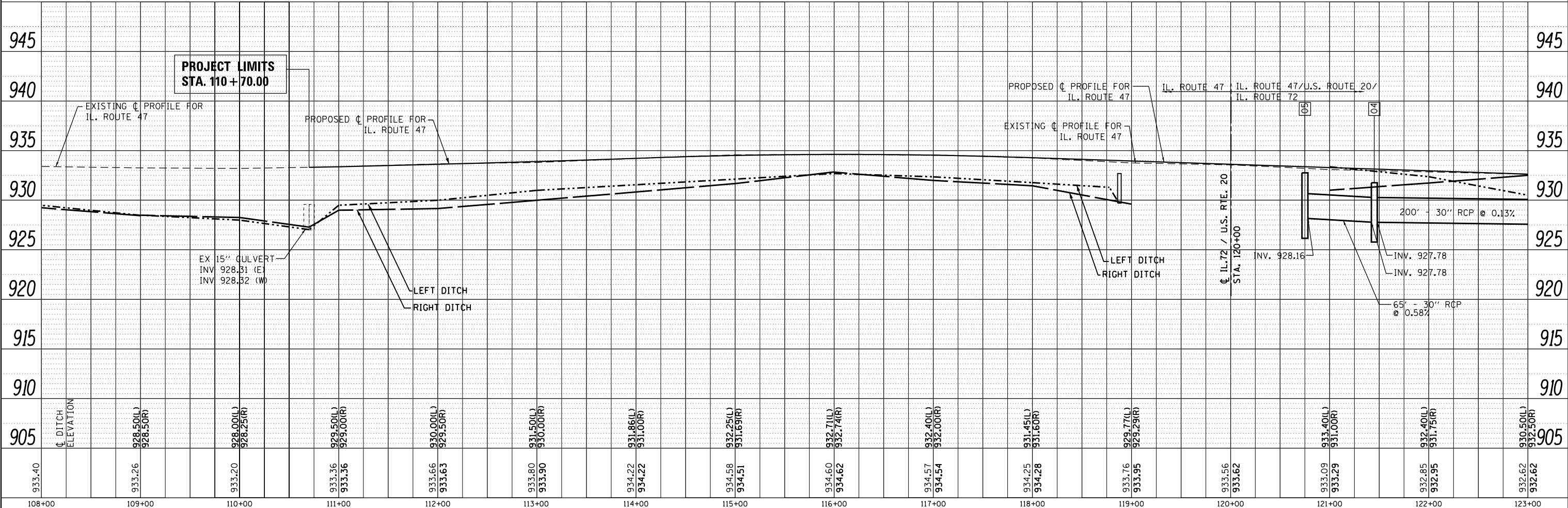


PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 15'
INCLUDED IN CONTRACT D160T09

PROJECT LIMITS
STA. 110 + 70.00

PIPE UNDERDRAINS
6" - 261 LF

PIPE UNDERDRAINS
6" - 60 LF



PROJECT LIMITS
STA. 110 + 70.00

EX 15" CULVERT
INV 928.31 (E)
INV 928.32 (W)

PROPOSED C PROFILE FOR
IL. ROUTE 47

EXISTING C PROFILE FOR
IL. ROUTE 47

IL. ROUTE 47 / U.S. ROUTE 20 /
IL. ROUTE 72

200' - 30" RCP @ 0.13%

LEFT DITCH
RIGHT DITCH

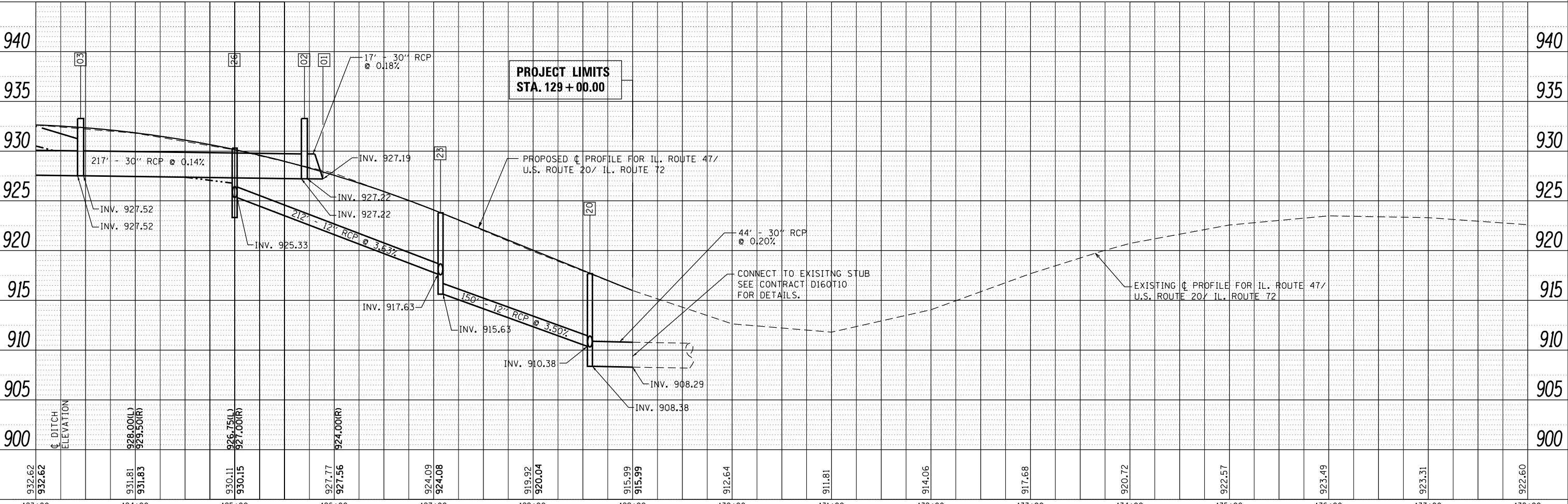
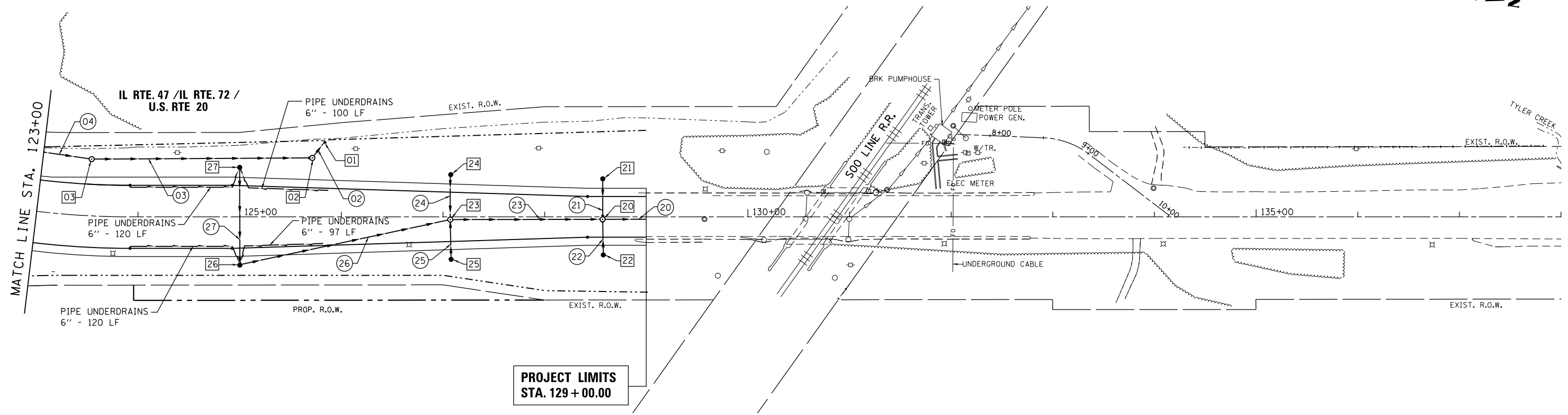
65' - 30" RCP
@ 0.58%

FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE US RTE 20 (SOUTH JUNCTION)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -		CONTRACT NO. 60T09							
					ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	FILED	

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

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								345		106-S-N-2		KANE		147 53	
												CONTRACT NO. 60T09			
ILLINOIS FED. AID PROJECT															

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- [01] STA. 125+81.84 71.6' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 30"
INV EL 927.19
- [02] STA. 125+71.45 57.9' LT
MANHOLE TYPE A, 5' DIA
TYPE 1 FRAME, CLOSED LID
RIM EL 933.25
INV EL 927.22 (W) 30"
INV EL 927.22 (S) 30"
- [03] STA. 123+51.47 55.8' LT
MANHOLE TYPE A, 5' DIA
TYPE 1 FRAME, CLOSED LID
RIM EL 933.25
INV EL 927.52 (N) 30"
INV EL 927.52 (S) 30"
- [04] STA. 121+48.42 48.4' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 931.75
INV EL 927.78 (N) 30"
INV EL 927.78 (SW) 30"
- [05] STA. 69+17.89 56.3' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 932.75
INV EL 928.16 (NE) 30"
INV EL 928.16 (NW) 30"
- [06] STA. 68+53.73 31.4' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 932.75
INV EL 928.53 (SE) 30"
INV EL 928.53 (NW) 30"
- [07] STA. 66+42.80 30.6' LT
MANHOLE TYPE A, 5' DIA
TYPE 1 FRAME, CLOSED LID
RIM EL 935.15
INV EL 930.40 (SE) 30"
INV EL 930.40 (NW) 30"
- [08] STA. 65+85.00 39.6' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 30"
INV EL 930.67

- [20] STA. 128+57.10 2.4' RT
MANHOLE TYPE A, 5' DIA
TYPE 1 FRAME, CLOSED LID
RIM EL 917.70
INV EL 908.38 (N) 30"
INV EL 910.38 (S) 12"
INV EL 910.38 (E) 12"
INV EL 910.38 (W) 12"
- [21] STA. 128+57.15 37.3' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 916.00
INV EL 912.00 (E) 12"
- [22] STA. 128+57.73 37.4' RT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 914.00
INV EL 910.55 (W) 12"
- [23] STA. 127+07.16 2.7' RT
MANHOLE TYPE A, 4' DIA
TYPE 1 FRAME, CLOSED LID
RIM EL 923.80
INV EL 915.63 (N) 12"
INV EL 917.63 (SE) 12"
INV EL 917.63 (E) 12"
INV EL 917.63 (W) 12"
- [24] STA. 127+07.63 41.5' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 921.05
INV EL 917.83 (E) 12"
- [25] STA. 127+08.02 41.8' RT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 922.50
INV EL 918.00 (W) 12"
- [26] STA. 125+00.15 47.5' RT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 930.30
INV EL 925.33 (NW) 12"
INV EL 925.33 (W) 12"
- [27] STA. 124+99.98 48.6' LT
CATCH BASIN TYPE A, 4' DIA
TYPE 1 FRAME, OPEN LID
RIM EL 930.30
INV EL 926.00 (E) 12"

- (02) 17' - 30" SS CLASS A TYPE 2 @ 0.18%
- (03) 217' - 30" SS CLASS A TYPE 2 @ 0.14%
- (04) 200' - 30" SS CLASS A TYPE 2 @ 0.13%
- (05) 65' - 30" SS CLASS A TYPE 2 @ 0.58%
- (06) 65' - 30" SS CLASS A TYPE 2 @ 0.57%
- (07) 206' - 30" SS CLASS A TYPE 2 @ 0.90%
- (08) 56' - 30" SS CLASS A TYPE 2 @ 0.48%
- (20) 44' - 30" SS CLASS A TYPE 2 @ 0.20%
- (21) 40' - 12" SS CLASS A TYPE 2 @ 4.05%
- (22) 35' - 12" SS CLASS A TYPE 2 @ 0.49%
- (23) 150' - 12" SS CLASS A TYPE 2 @ 3.50%
- (24) 44' - 12" SS CLASS A TYPE 2 @ 0.45%
- (25) 39' - 12" SS CLASS A TYPE 2 @ 0.95%
- (26) 212' - 12" SS CLASS A TYPE 2 @ 3.63%
- (27) 96' - 12" SS CLASS A TYPE 2 @ 0.70%

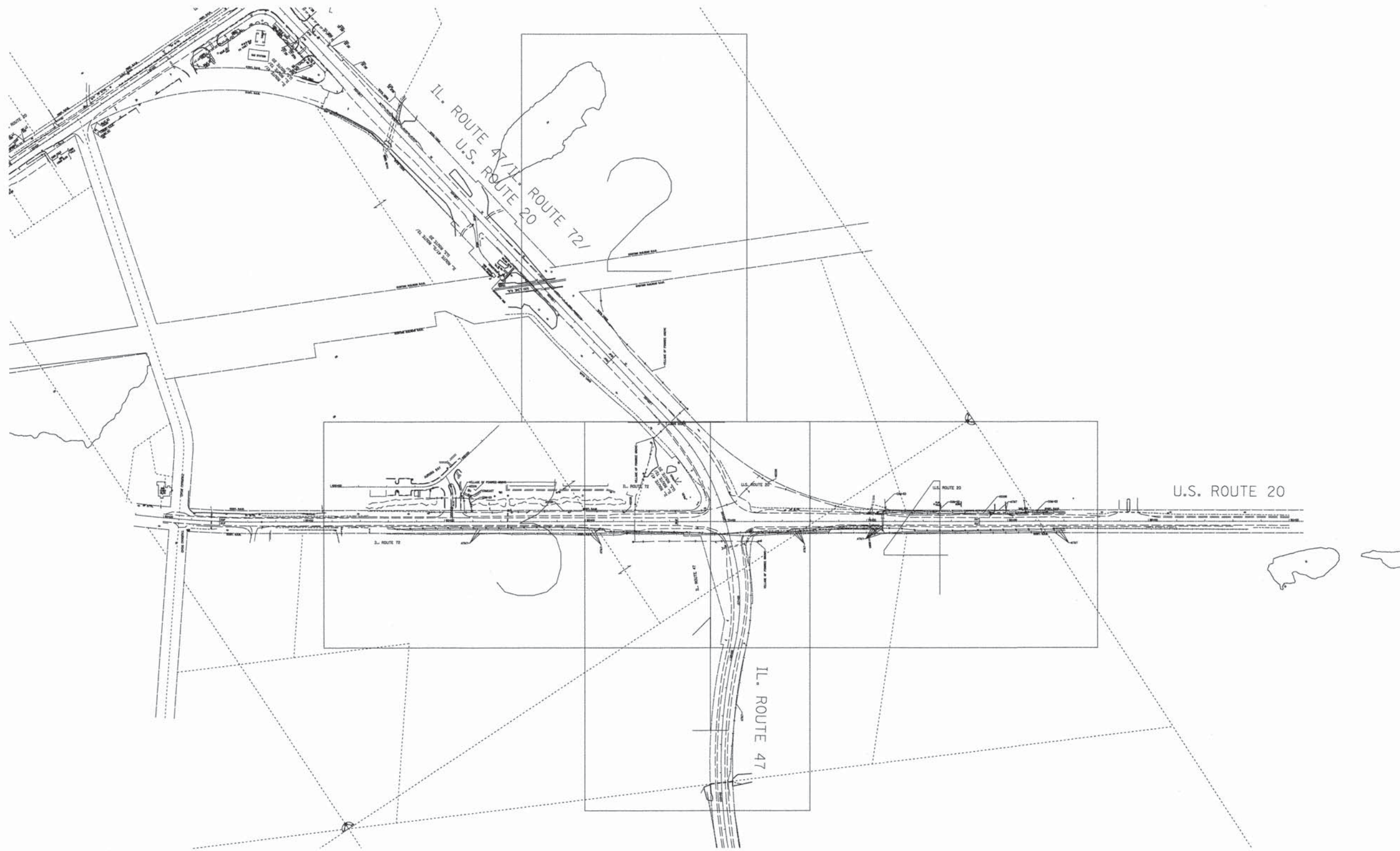
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	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN AND PROFILE
US RTE 20 (SOUTH JUNCTION)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	54
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				



— A — A —	AERIAL
— O — O —	UNKNOWN
— CTV — CTV —	OIL
— T — T —	CABLE TV
— G — G —	TELEPHONE
— E — E —	GAS
— W — W —	ELECTRIC
— FO — FO —	WATER
	FORCE MAIN
	FIBER OPTIC
	END OF INFORMATION
	TBE TEST HOLE

UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
COM-ED = ELECTRIC	
COMCAST = CABLE TV	
NICOR = GAS	
VILLAGE OF PINGREE GROVE = WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's "B" SUE field investigation was performed 4/29/13 through 5/17/13. Changes to utilities after 5/17/13 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



TBE Job No. IL09510526
SUE Plan Pages: Cover

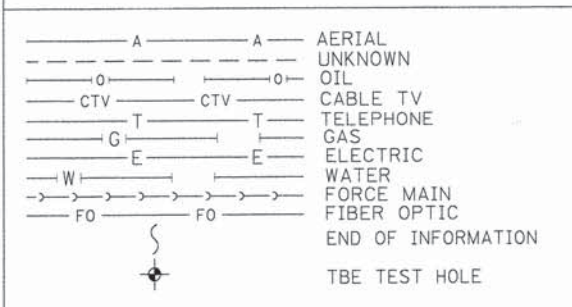
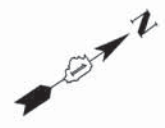
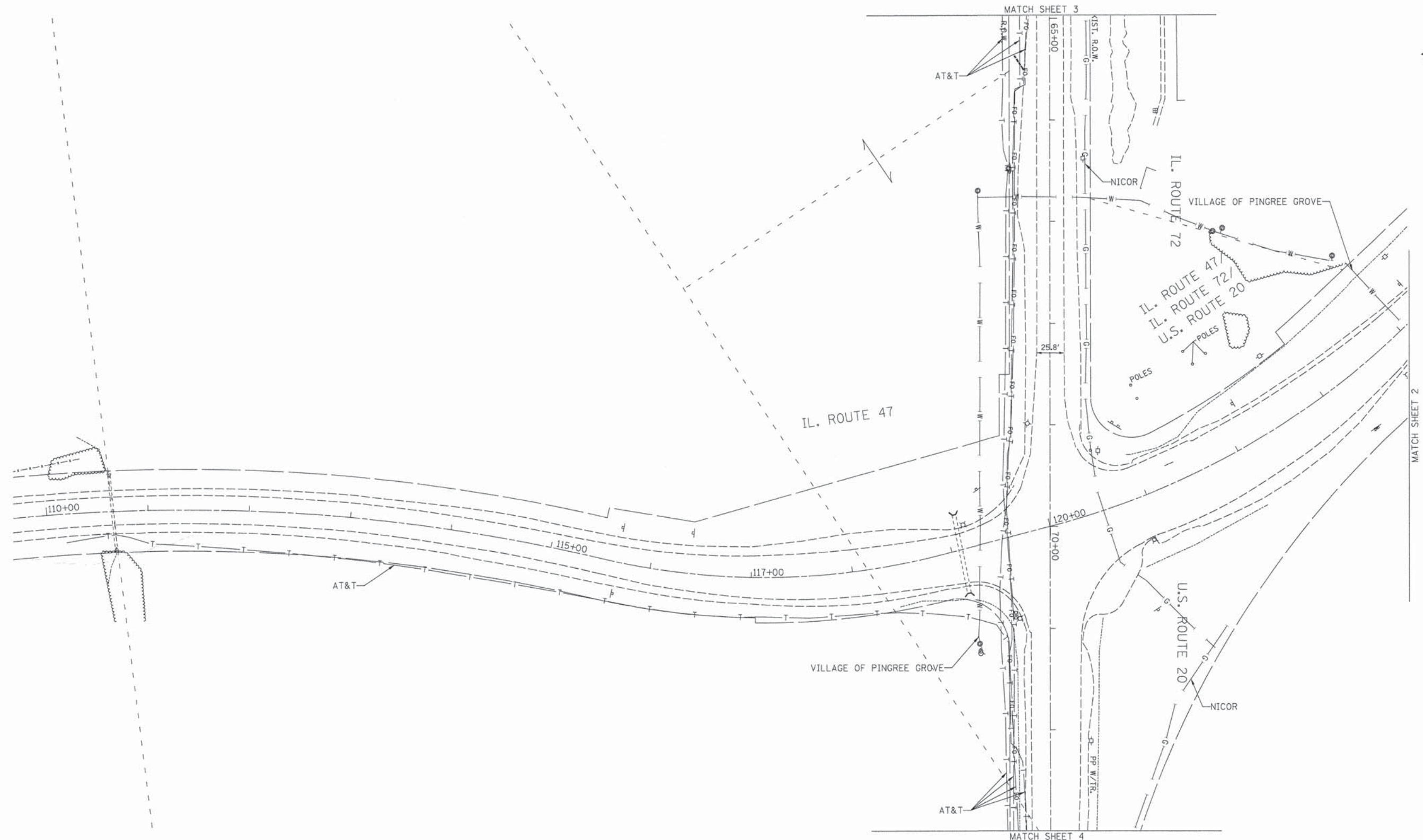
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/21/13	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 at IL 47/72 (South Junction)
Pingree Grove, Illinois

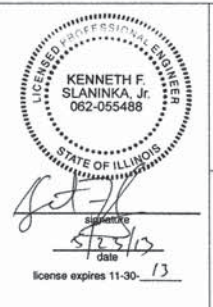
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-2	Kane		
Contract No. 60T09				
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				



UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
COM-ED = ELECTRIC	
COMCAST = CABLE TV	
NICOR = GAS	
VILLAGE OF PINGREE GROVE = WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's "B" SUE field investigation was performed 4/29/13 through 5/17/13. Changes to utilities after 5/17/13 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



TBE Job No. IL09510526
SUE Plan Page: 1 of 4

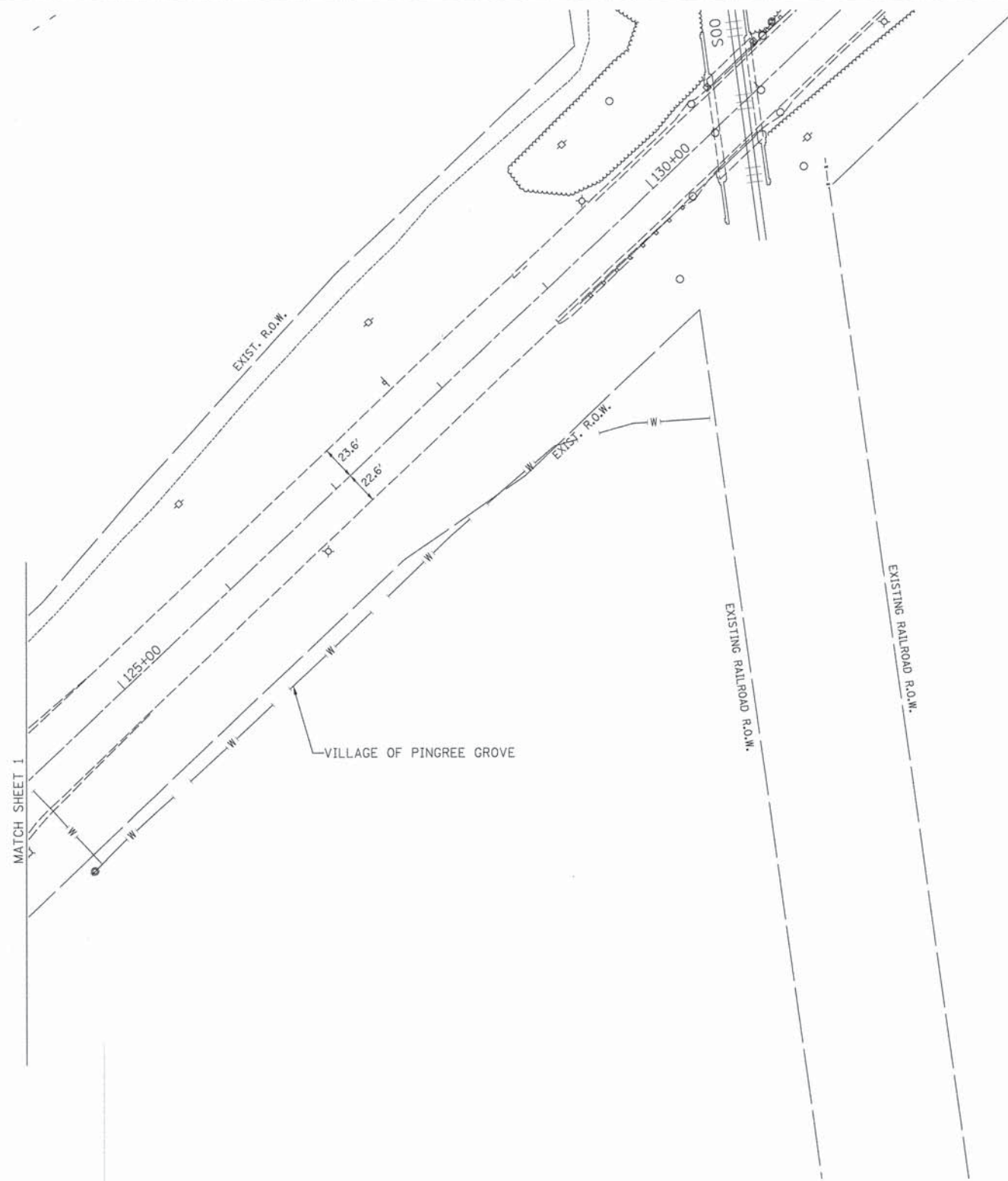
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/21/13	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 at IL 47/72 (South Junction)
Pingree Grove, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-2	Kane		
Contract No. 60T09				
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				

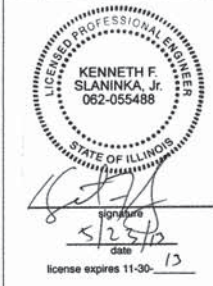
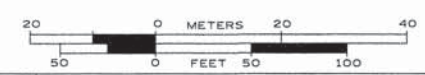


— A — A —	AERIAL
— O — O —	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
—>—>—>—>	FORCE MAIN
—>—>—>—>	FIBER OPTIC
— S —	END OF INFORMATION
— X —	TBE TEST HOLE

UTILITY OWNERS	
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TBE Job No. IL09510526
SUE Plan Page: 2 of 4

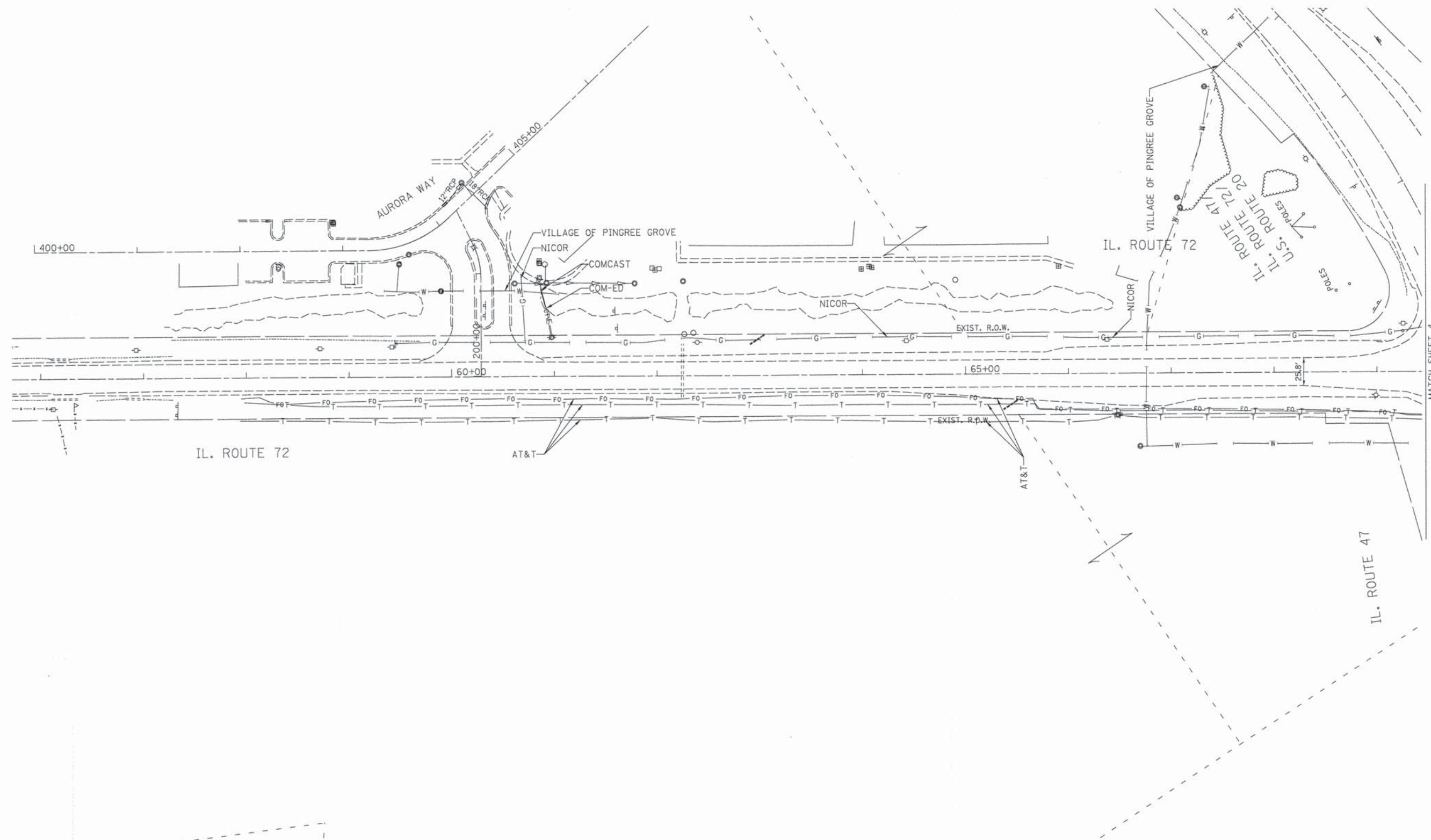
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DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/21/13	REVISED

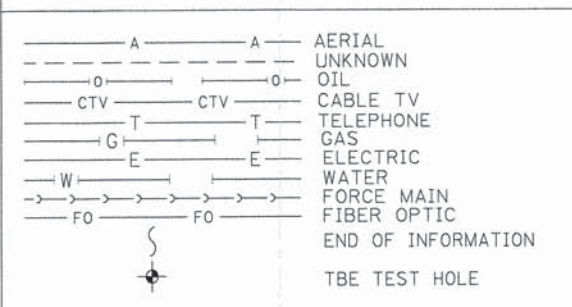
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 at IL 47/72 (South Junction)
Pingree Grove, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-2	Kane		
FED. ROAD DIST. NO. - ILLINOIS			IDOT Project No.	



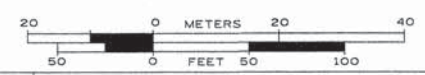
MATCH SHEET 4
SEE SHEET 1



UTILITY OWNERS
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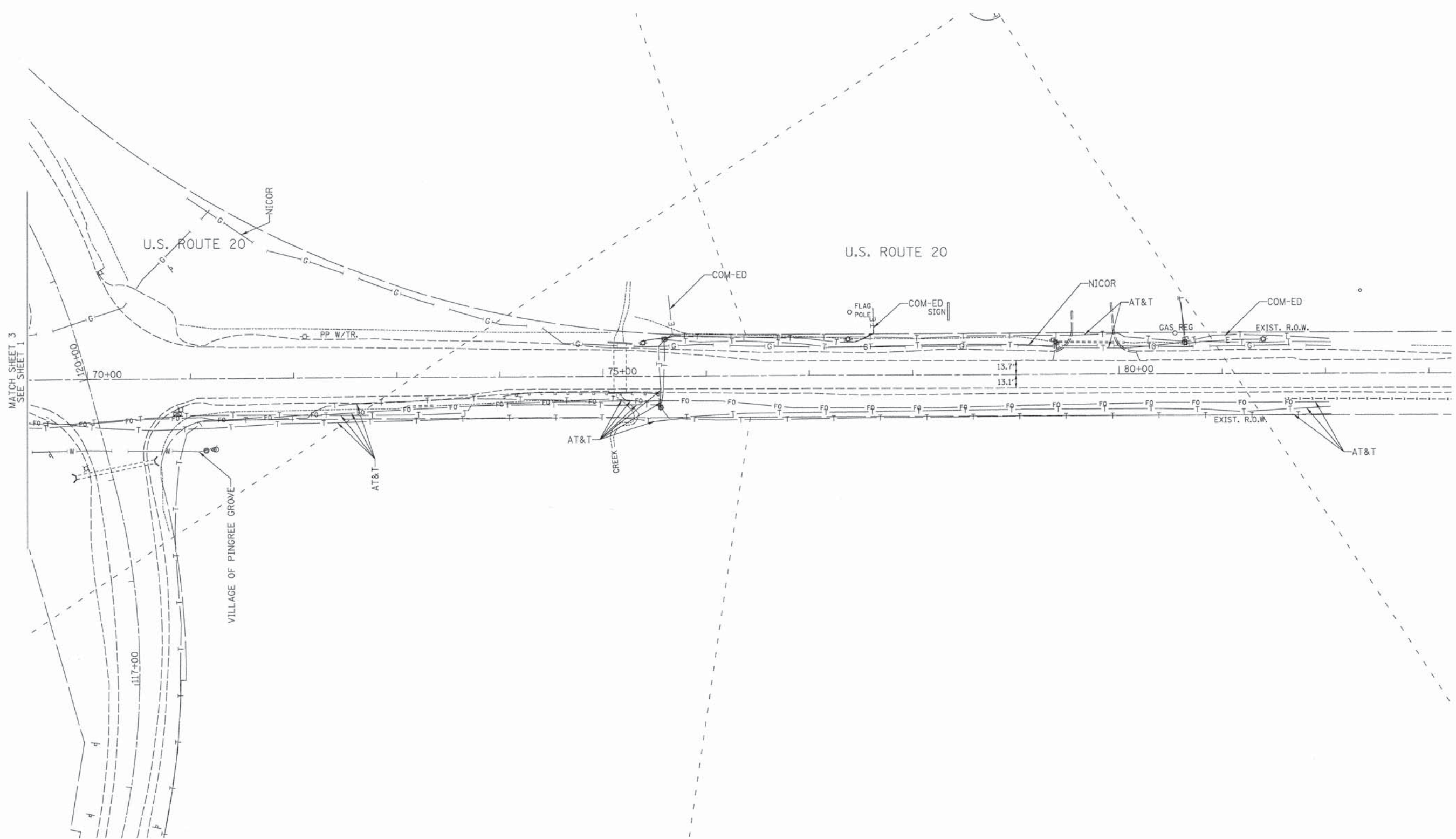
DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/21/13	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

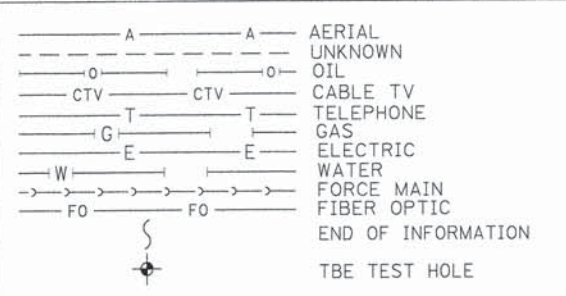
**US 20 at IL 47/72 (South Junction)
Pingree Grove, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-2	Kane		
Contract No. 60T09				
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.				

TBE Job No. IL09510526
SUE Plan Page: 3 of 4



MATCH SHEET 3
SEE SHEET 1

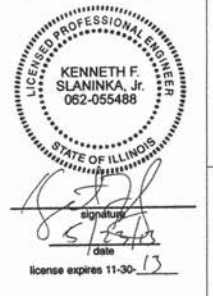


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TBE Job No. IL09510526
SUE Plan Page: 4 of 4

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DESIGNED MS	REVISIONS
DRAWN SRK	REVISIONS
CHECKED KFS	REVISIONS
DATE 5/21/13	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

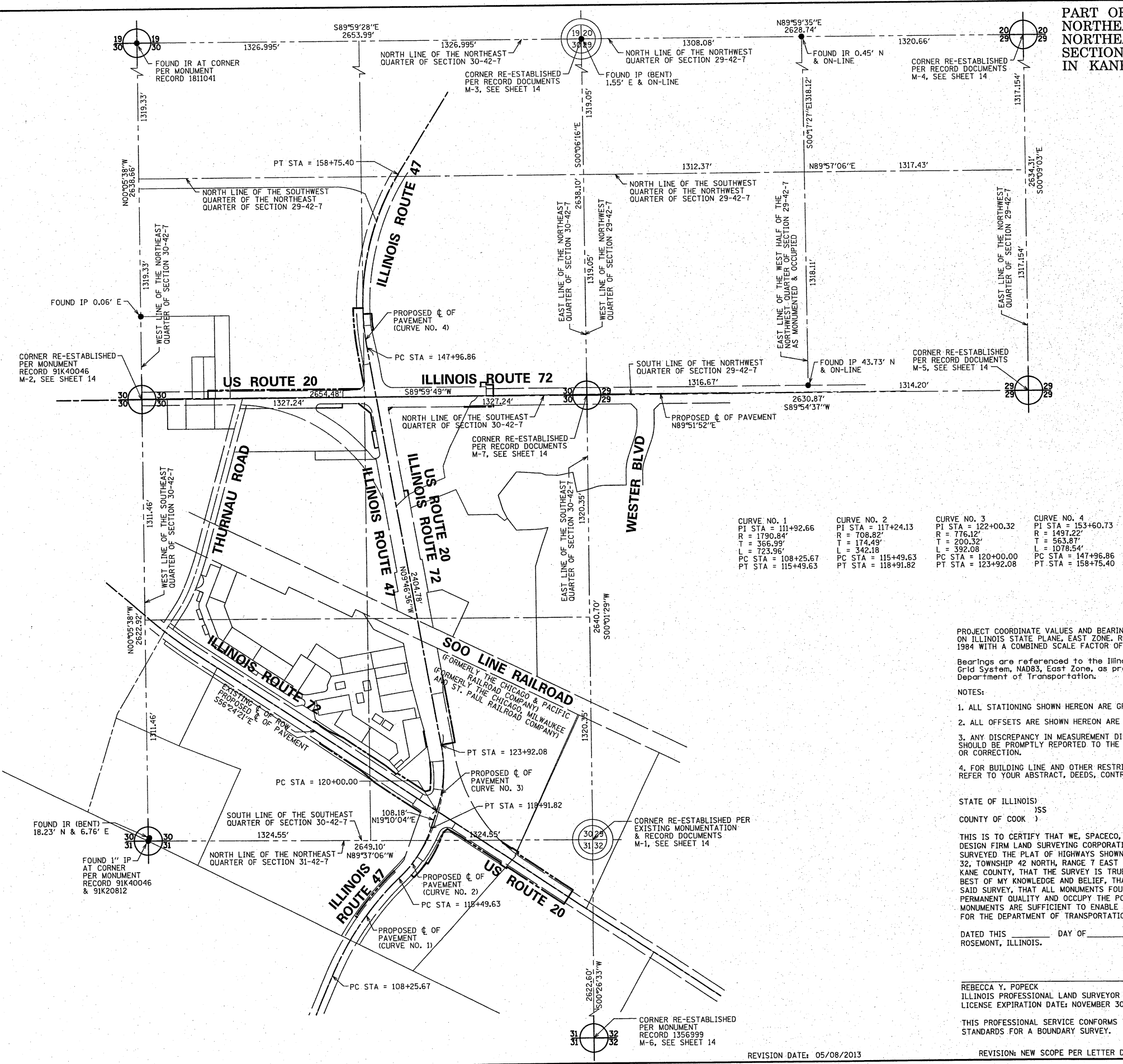
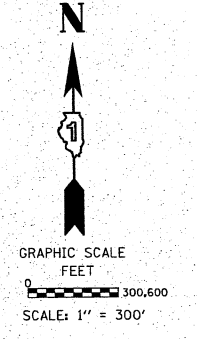
**US 20 at IL 47/2 (South Junction)
Pingree Grove, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-2	Kane		
Contract No. 60T09				
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.				

PART OF THE NORTHWEST & SOUTHWEST 1/4 OF SECTION 29,
 NORTHEAST, SOUTHWEST & SOUTHEAST 1/4 OF SECTION 30,
 NORTHEAST 1/4 OF SECTION 30 & THE NORTHWEST 1/4 OF
 SECTION 32, TWP. 42 N., R. 7 E. OF THE 3RD. P.M.,
 IN KANE COUNTY, ILLINOIS.

LEGEND

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



CURVE NO. 1 PI STA = 111+92.66 R = 1790.84' T = 366.99' L = 723.96' PC STA = 108+25.67 PT STA = 115+49.63	CURVE NO. 2 PI STA = 117+24.13 R = 708.82' T = 174.49' L = 342.18' PC STA = 115+49.63 PT STA = 118+91.82	CURVE NO. 3 PI STA = 122+00.32 R = 776.12' T = 200.32' L = 392.08' PC STA = 120+00.00 PT STA = 123+92.08	CURVE NO. 4 PI STA = 153+60.73 R = 1497.22' T = 563.87' L = 1078.54' PC STA = 147+96.86 PT STA = 158+75.40
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PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- NOTES:**
1. ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

STATE OF ILLINOIS)
) S.S.
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION N/A TO STATION N/A
 SCALE: 1" = 300' SHEET 2 OF 15

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

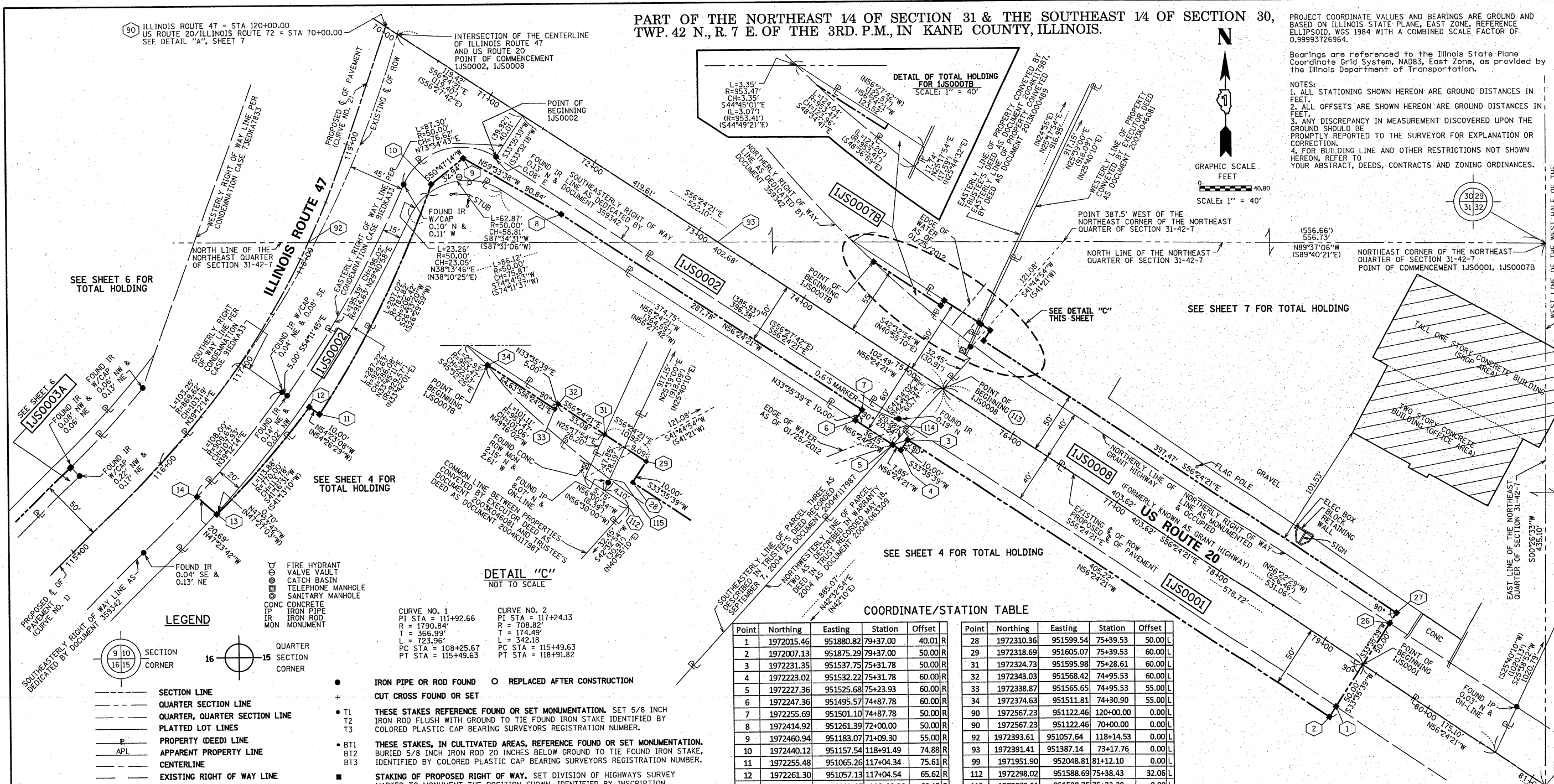
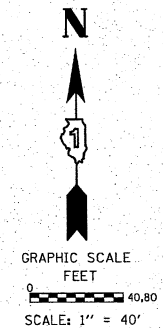
RECEIVED
 MAY 08 2013
 PLATS & LEGALS

PART OF THE NORTHEAST 1/4 OF SECTION 31 & THE SOUTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

NOTES:
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PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	SO.FT.	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJS0001	FIRST AMERICAN BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 3, 2004 KNOWN AS TRUST NO. 1-04-121	20.133	0.469	0.373	19.664				02-31-200-007 02-32-100-014	
IJS0002	VILLAGE OF PINGREE GROVE	0.635	0.305	0.000	0.330				02-30-400-021 (PART OF) 02-31-200-008 (PART OF)	
IJS0007B	VILLAGE OF PINGREE GROVE	0.029	0.020	0.000	0.009	389			02-30-400-029 (PART OF) 02-31-200-008 (PART OF)	
IJS0008	DENISE PHILPOT AND SHELLEY SEYLLER, AS TENANTS IN COMMON	11.867	0.465	0.370	11.402				02-29-300-004 02-30-400-013 02-31-200-006 02-32-100-007	

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
1	1972015.46	951880.82	79+37.00	40.01 R
2	1972007.13	951875.29	79+37.00	50.00 R
3	1972231.35	951537.75	75+31.78	50.00 R
4	1972223.02	951532.22	75+31.78	60.00 R
5	1972227.36	951525.68	75+23.93	60.00 R
6	1972247.36	951495.57	74+87.78	60.00 R
7	1972255.69	951501.10	74+87.78	50.00 R
8	1972414.92	951261.39	72+00.00	50.00 R
9	1972460.94	951183.07	71+09.30	55.00 R
10	1972440.12	951157.54	118+91.49	74.88 R
11	1972255.48	951065.26	117+04.34	75.61 R
12	1972261.30	951057.13	117+04.34	65.62 R
13	1972175.79	950982.07	116+00.06	60.15 R
14	1972189.79	950966.84	116+00.01	39.46 R
26	1972082.10	951925.09	79+37.00	40.00 L
27	1972090.43	951930.62	79+37.00	50.00 L
28	1972310.36	951599.54	75+39.53	50.00 L
29	1972318.69	951605.07	75+39.53	60.00 L
31	1972324.73	951595.98	75+28.61	60.00 L
32	1972343.03	951568.42	74+95.53	60.00 L
33	1972338.87	951565.65	74+95.53	55.00 L
34	1972374.63	951511.81	74+30.90	55.00 L
90	1972567.23	951122.46	120+00.00	0.00 L
90	1972567.23	951122.46	70+00.00	0.00 L
92	1972393.61	951057.64	118+14.53	0.00 L
93	1972391.41	951387.14	73+17.76	0.00 L
99	1971951.90	952048.81	81+12.10	0.00 L
112	1972298.02	951588.69	75+33.38	32.06 L
113	1972272.11	951588.75	75+33.38	0.00 L
114	1972242.27	951539.37	75+27.08	40.01 L
115	1972328.82	951481.38	74+30.90	0.00 R

STATE OF ILLINOIS))
 COUNTY OF COOK))
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DATED THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PER EMAIL COMMENTS ON 06/12/2013 RYP
 PER EMAIL COMMENTS ON 05/16/2013 SDS
 NEW SCOPE PER LETTER DATED 04/11/2013 SDS
 ADDITIONAL STATIONING RYP
 SECTION AND QUARTER SECTION STATIONING RYP
 MADE BY: RYP

SPACECO INC.

 CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20

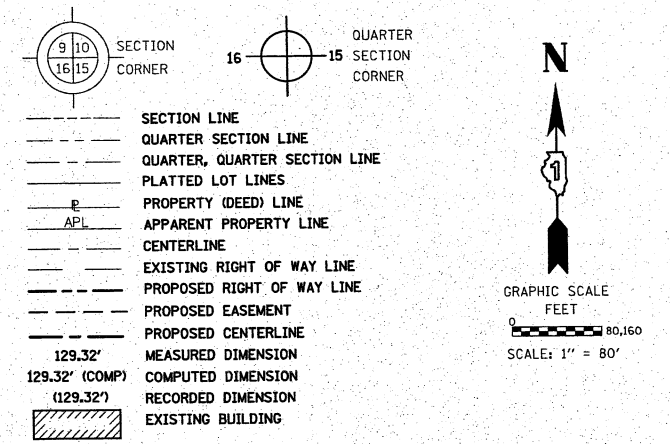
SECTION: AT IL ROUTE 47 COUNTY: KANE
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 70+00.00 TO STATION 81+12.10
 115+00.00 TO STATION 120+00.00
 SCALE: 1" = 40' SHEET 3 OF 15

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

RECEIVED
 JUN 12 2013
 PLATS & LEGALS

PART OF THE NORTHEAST 1/4 OF SECTION 31 & THE SOUTHEAST 1/4 OF SECTION 30 & THE WEST 1/2 OF THE NORTHWEST 1/4 OF SECTION 32, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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 COOK)

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SPACECO INC.

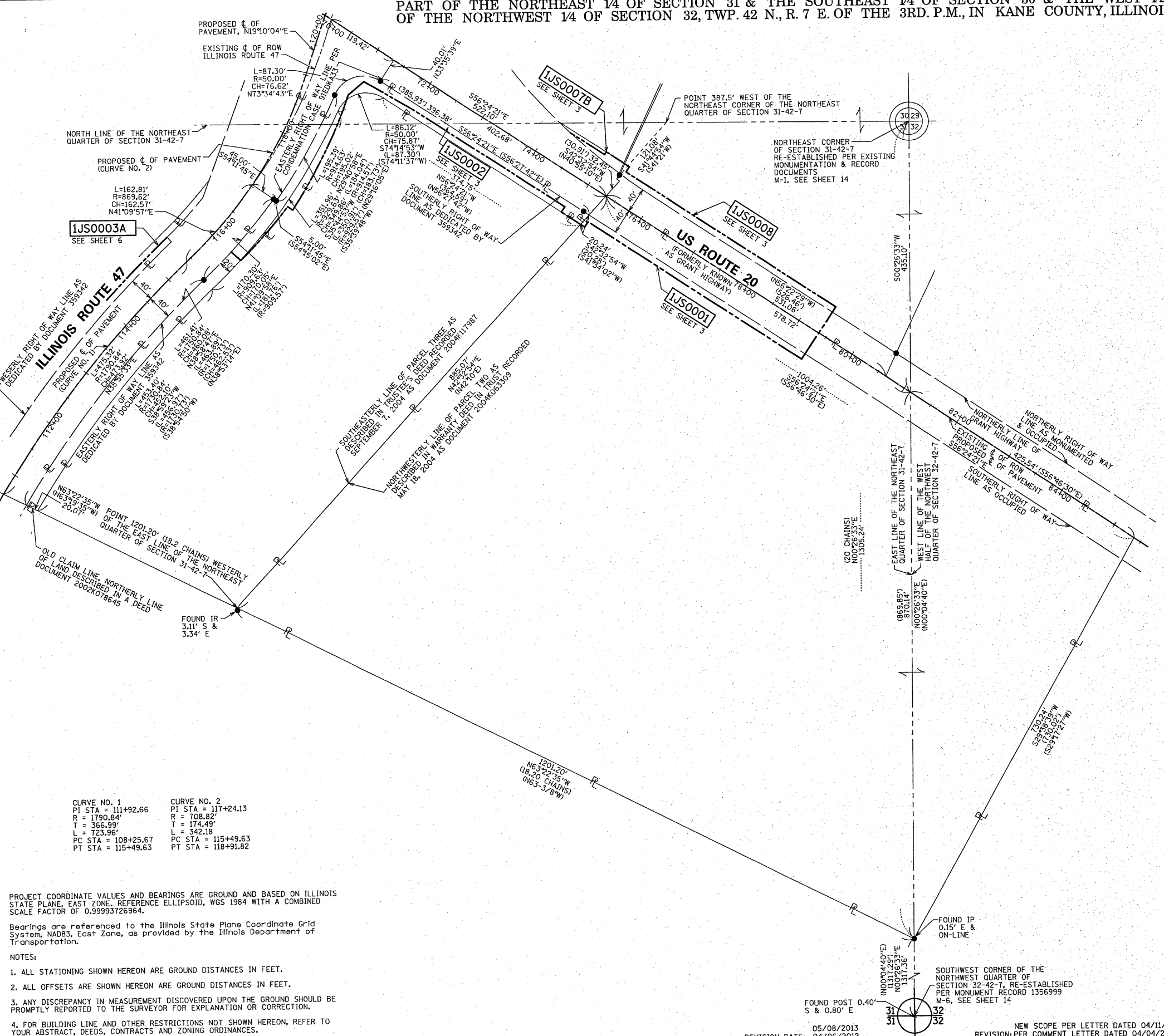
**CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,
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Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
STATION 70+00.00 TO STATION 85+37.64
SCALE: 1" = 80' SHEET 4 OF 15

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



CURVE NO. 1	CURVE NO. 2
PI STA = 111+92.66	PI STA = 117+24.13
R = 1790.84'	R = 708.82'
T = 366.99'	T = 174.49'
L = 723.96'	L = 342.18'
PC STA = 108+25.67	PC STA = 115+49.63
PT STA = 115+49.63	PT STA = 118+91.82

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

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 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

RECEIVED
MAY 08 2013
PLATS & LEGALS

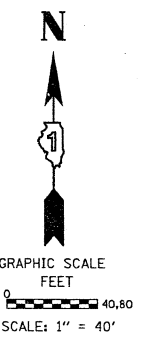
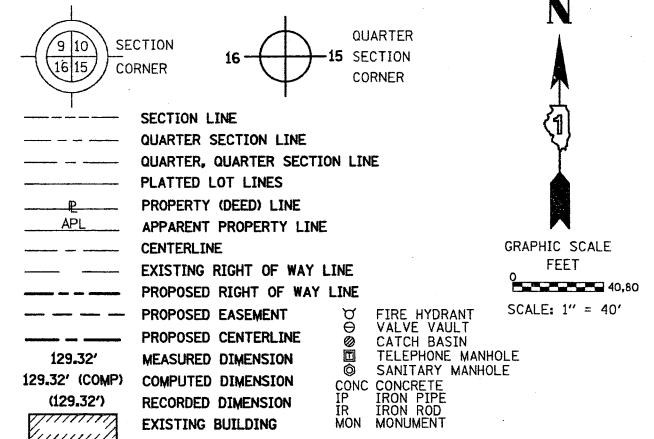
REVISION DATE: 05/08/2013
REVISION: PER COMMENT LETTER DATED 04/04/2012
NEW SCOPE PER LETTER DATED 04/11/2013
REVISION: PER COMMENT LETTER DATED 04/04/2012

PART OF THE SOUTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

CURVE NO. 2
 PI STA = 117+24.13
 R = 708.82'
 T = 174.49'
 L = 342.18'
 PC STA = 115+49.63
 PT STA = 118+91.82

CURVE NO. 3
 PI STA = 122+00.32
 R = 776.12'
 T = 200.32'
 L = 392.08'
 PC STA = 120+00.00
 PT STA = 123+92.08

LEGEND



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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.
- 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.
- 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 COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20____ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

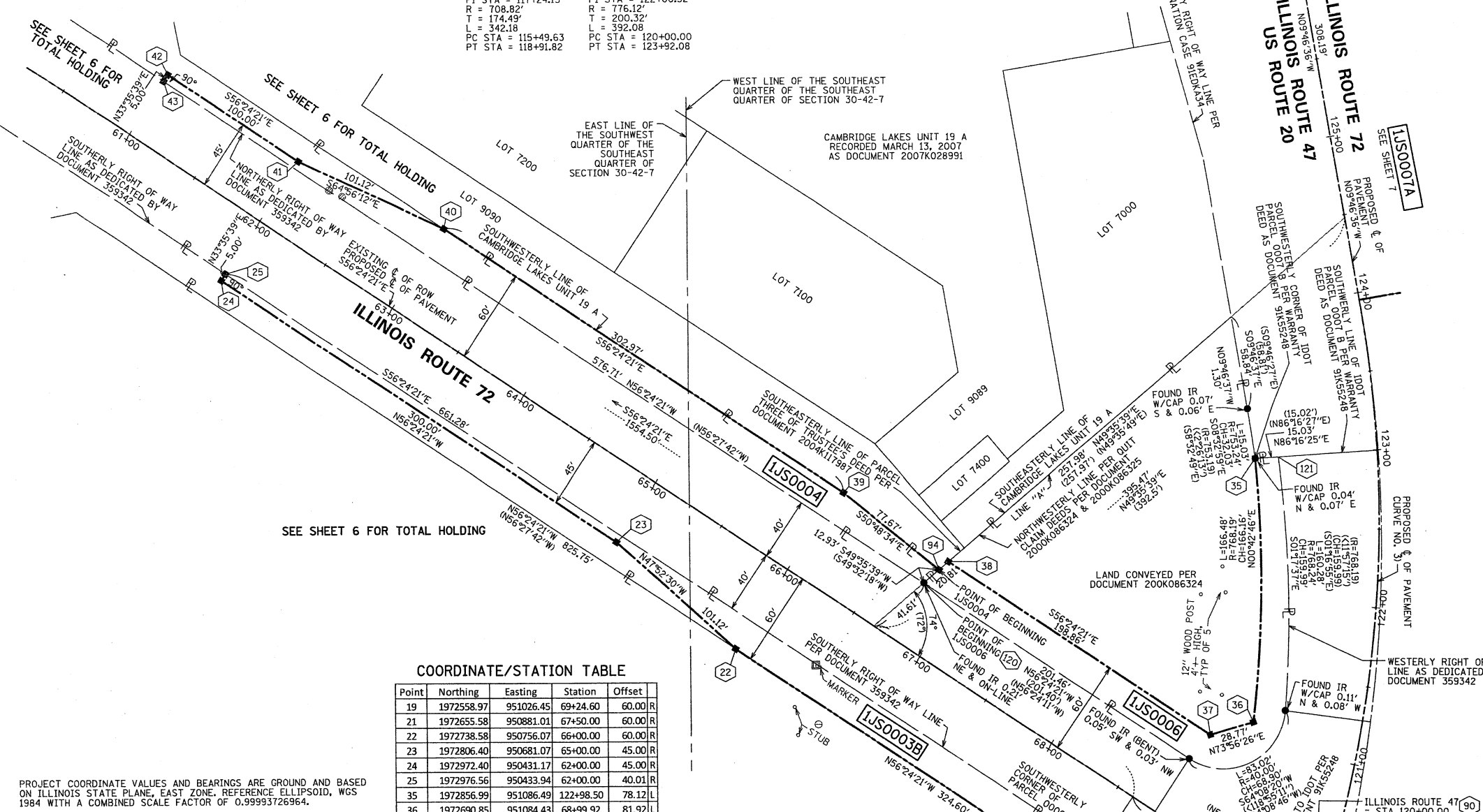
SPACECO INC.
 CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS

9575 W. Higgins Road, Suite 700
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20

AT IL ROUTE 47 COUNTY: KANE
 SECTION: AND IL ROUTE 72
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 60+50.00 TO STATION 70+00.00
 118+00.00 TO STATION 126+00.00
 SCALE: 1" = 40' SHEET 5 OF 14

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



SEE SHEET 6 FOR TOTAL HOLDING

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	
19	1972558.97	951026.45	69+24.60	60.00	R
21	1972655.58	950881.01	67+50.00	60.00	R
22	1972738.58	950756.07	66+00.00	60.00	R
23	1972806.40	950681.07	65+00.00	45.00	R
24	1972972.40	950431.17	62+00.00	45.00	R
25	1972976.56	950433.94	62+00.00	40.01	R
35	1972856.99	951086.49	122+98.50	78.12	L
36	1972690.85	951084.43	68+99.92	81.92	L
37	1972682.89	951056.78	68+81.30	60.00	L
38	1972792.92	950891.13	66+82.44	60.00	L
39	1972836.89	950824.94	66+02.97	60.00	L
40	1973004.53	950572.57	63+00.00	60.00	L
41	1973047.36	950480.97	62+00.00	45.00	L
42	1973102.69	950397.67	61+00.00	45.00	L
43	1973098.53	950394.91	61+00.00	40.00	L
90	1972567.23	951122.46	120+00.00	0.00	L
90	1972567.23	951122.46	70+00.00	0.00	L
94	1972787.81	950885.13	66+80.27	52.43	L

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	
116	1972568.63	951029.98	69+22.19	50.00	R
117	1972602.34	950979.23	68+61.27	50.00	R
118	1972643.99	951006.90	68+61.27	0.00	L
119	1972752.46	950843.60	66+65.23	0.00	R
120	1972779.43	950875.29	66+76.70	40.00	L
121	1972857.97	851101.49	122+98.75	63.09	L

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE. REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- NOTES:
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 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
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PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJS0003B	VILLAGE OF PINGREE GROVE	0.897	0.197	0.000	0.700			02-30-400-027 (PART OF)	
IJS0004	VILLAGE OF PINGREE GROVE	0.809	0.208	0.000	0.601			02-30-400-026 (PART OF)	
IJS0006	JOHN A. WOODALL	0.830	0.185	0.000	0.645			02-30-400-017	

RECEIVED
 MAR 04 2014
 PLATS & LEGALS

REVISION DATE: 04/06/2012
 REMOVE PARCEL IJS0005 PER EMAIL COMMENTS ON 06/12/2013
 REMOVE PARCEL IJS0006 PER EMAIL COMMENTS ON 05/16/2013
 NEW SCOPE PER LETTER DATED 04/11/2013
 ADDITIONAL STATIONING
 REMOVAL OF PL SYMBOL PER IDOT REVIEW
 PARCEL IJS0005 BUILDINGS AND TOTAL HOLDINGS PER COMMENT LETTER DATED 04/04/2012
 MADE BY: RYP

PART OF THE SOUTH 1/2 OF SECTION 30 & THE NORTHEAST 1/4 OF SECTION 31, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJS0003A	VILLAGE OF PINGREE GROVE	0.251	0.081	0.000	0.170			02-31-200-008 (PART OF)	

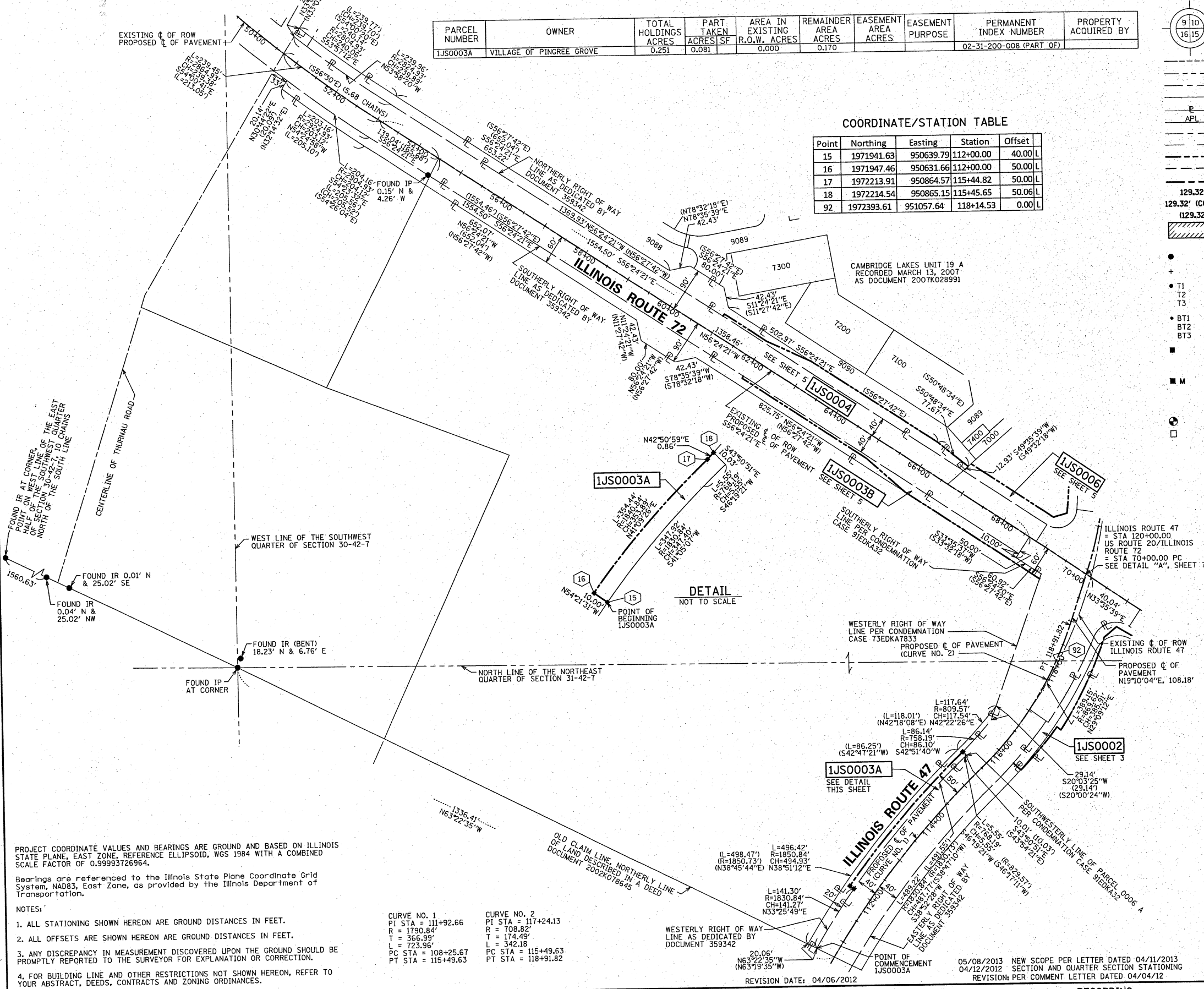
COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
15	1971941.63	950639.79	112+00.00	40.00 L
16	1971947.46	950631.66	112+00.00	50.00 L
17	1972213.91	950864.57	115+44.82	50.00 L
18	1972214.54	950865.15	115+45.65	50.06 L
92	1972393.61	951057.64	118+14.53	0.00 L

LEGEND

- SECTION CORNER
- QUARTER CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- PROPOSED CENTERLINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR 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.
- BT1, BT2, BT3 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.
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE: FEET
SCALE: 1" = 100'



DETAIL
NOT TO SCALE

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

SPACECO INC.

**CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
STATION 50+00.00 TO STATION 70+00.00
110+65.00 TO STATION 120+00.00
SCALE: 1" = 100' SHEET 6 OF 15

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

05/08/2013 NEW SCOPE PER LETTER DATED 04/11/2013
04/12/2012 SECTION AND QUARTER SECTION STATIONING
REVISION: PER COMMENT LETTER DATED 04/04/12

SDS
RYP
MADE BY: RYP

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

NOTES:

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CURVE NO. 1
PI STA = 111+92.66
R = 1790.84'
T = 174.49'
L = 723.96'
PC STA = 108+25.67
PT STA = 115+49.63

CURVE NO. 2
PI STA = 117+24.13
R = 708.82'
T = 174.49'
L = 342.18'
PC STA = 115+49.63
PT STA = 118+91.82

RECEIVED
MAY 08 2013

PART OF THE SOUTHWEST 1/4 OF SECTION 29, THE SOUTHEAST 1/4 OF SECTION 30, THE NORTHEAST 1/4 OF SECTION 31 & THE NORTHWEST 1/4 OF SECTION 32, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJS0007A	VILLAGE OF PINGREE GROVE	0.593	0.593	0.471	0.000			02-31-200-008 (PART OF) 02-30-400-029 (PART OF)	

LEGEND

SECTION CORNER: 9 10 16 15

QUARTER CORNER: 16 15

SECTION LINE

QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE

CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

PROPOSED EASEMENT

PROPOSED CENTERLINE

129.32' MEASURED DIMENSION

(129.32') COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

FIRE HYDRANT

VALVE VAULT

CATCH BASIN

TELEPHONE MANHOLE

SANITARY MANHOLE

CONC CONCRETE

IP IRON PIPE

IR IRON ROD

MON MONUMENT

IRON PIPE OR ROD FOUND

O REPLACED AFTER CONSTRUCTION

CUT CROSS FOUND OR 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.

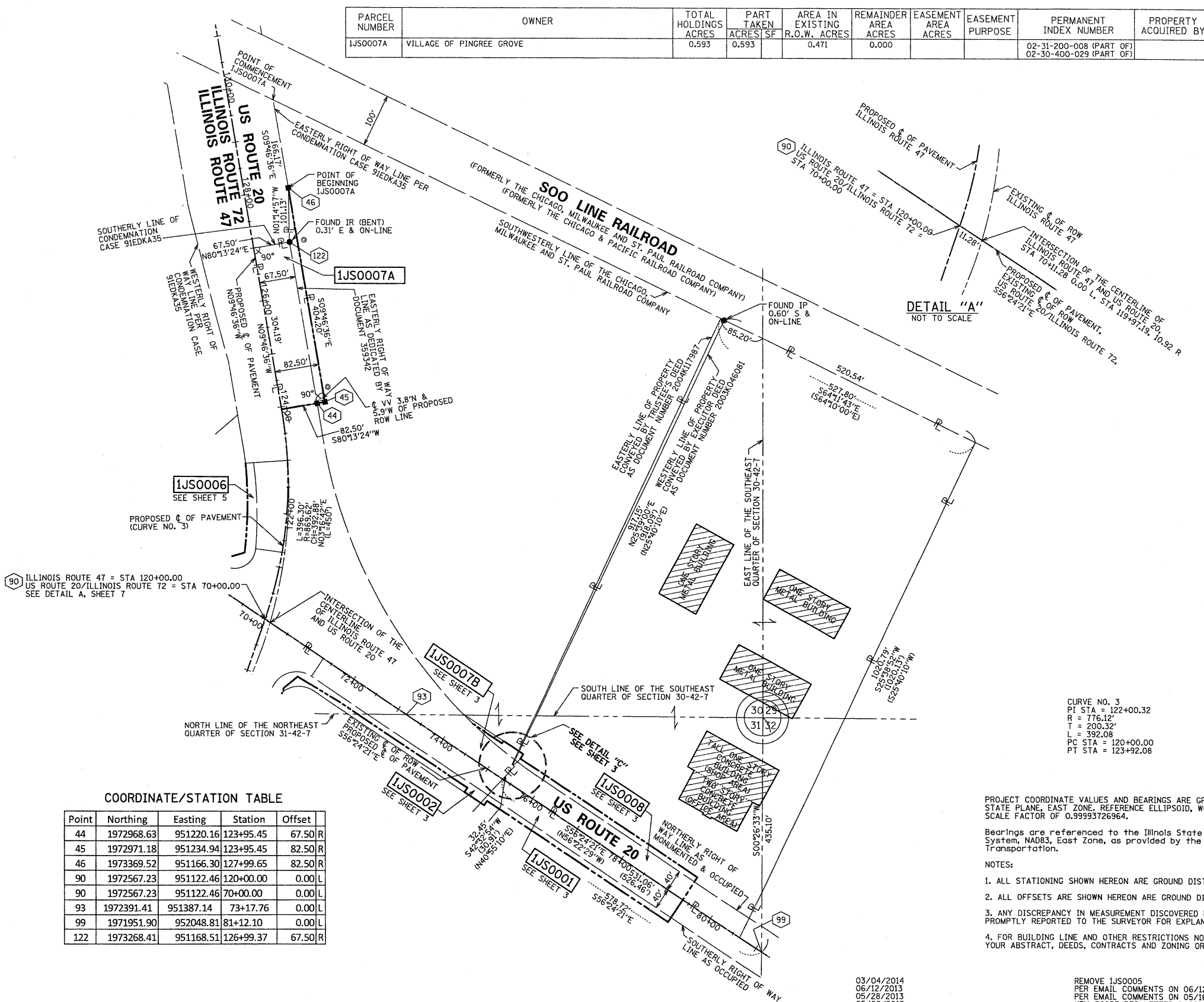
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE

0 100 200 FEET

SCALE: 1" = 100'



DETAIL "A"
NOT TO SCALE

COORDINATE/STATION TABLE

Point	Northing	Eastng	Station	Offset
44	1972968.63	951220.16	123+95.45	67.50 R
45	1972971.18	951234.94	123+95.45	82.50 R
46	1973369.52	951166.30	127+99.65	82.50 R
90	1972567.23	951122.46	120+00.00	0.00 L
90	1972567.23	951122.46	70+00.00	0.00 L
93	1972391.41	951387.14	73+17.76	0.00 L
99	1971951.90	952048.81	81+12.10	0.00 L
122	1973268.41	951168.51	126+99.37	67.50 R

CURVE NO. 3
PI STA = 122+00.32
R = 776.12'
T = 200.32'
L = 392.08
PC STA = 120+00.00
PT STA = 123+92.08

STATE OF ILLINOIS)
COUNTY OF COOK)

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DATED THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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CONSULTING ENGINEERS
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Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
STATION 70+00.00 TO STATION 81+00.00
120+00.00 TO STATION 131+00.00
SCALE: 1" = 100' SHEET 7 OF 14

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

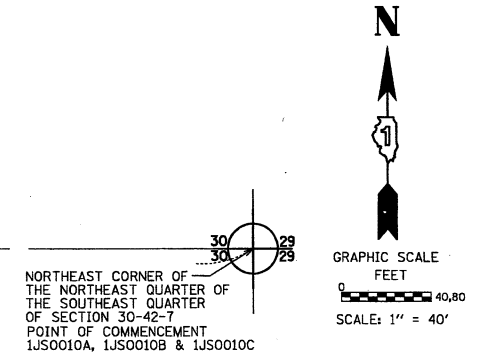
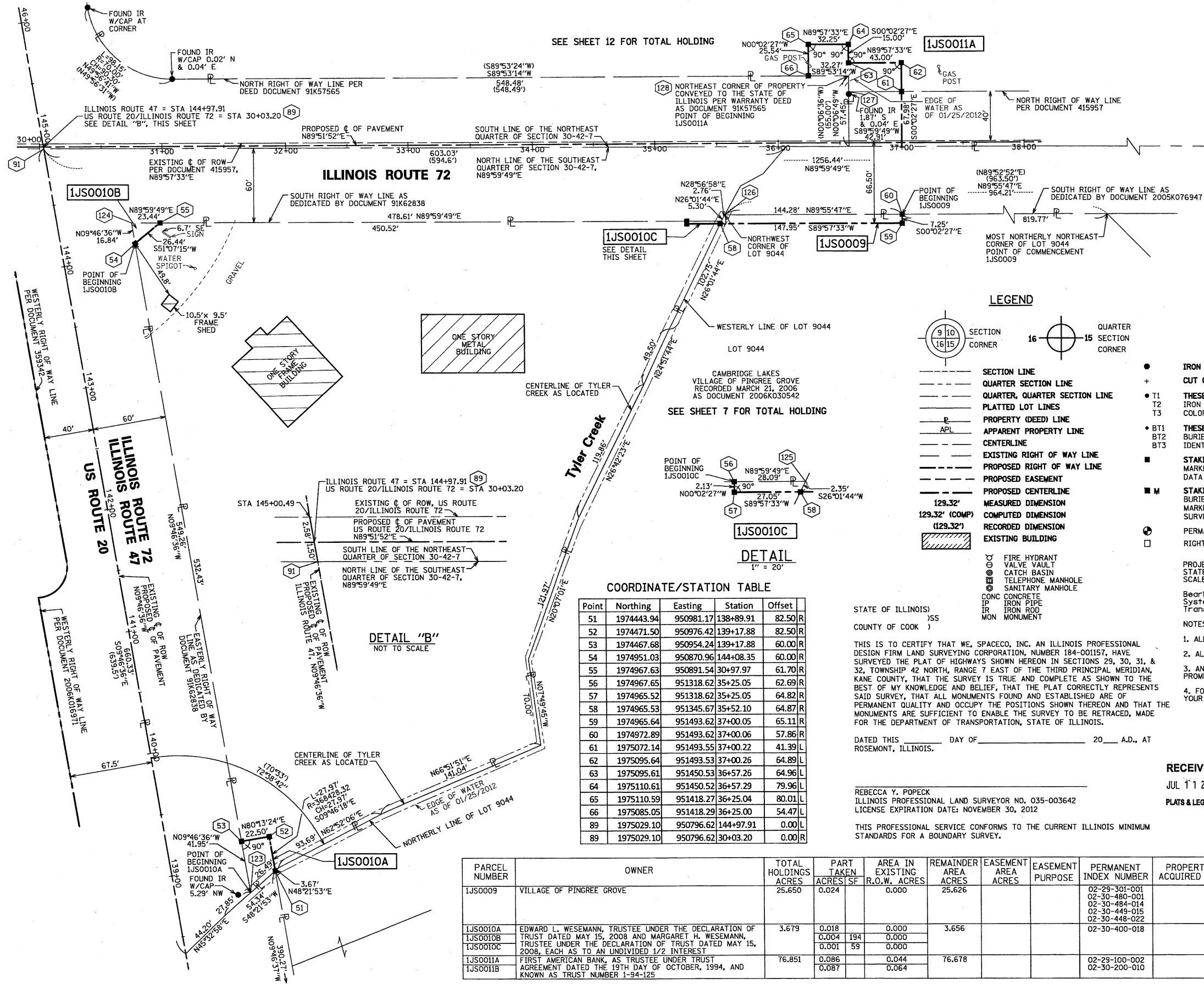
RECEIVED
MAR 04 2014
PLATS & LEGALS

03/04/2014
06/12/2013
05/28/2013
05/08/2013
07/11/2012
04/12/2012
04/09/2012
REVISION DATE: 04/06/2012

REMOVE IJS0005
PER EMAIL COMMENTS ON 06/12/2013
PER EMAIL COMMENTS ON 05/16/2013
NEW SCOPE PER LETTER DATED 04/11/2013
ADDITIONAL STATIONING
SECTION AND QUARTER SECTION STATIONING
UPDATE PARCEL TABLE
REVISION: PER COMMENT LETTER DATED 04/04/2012

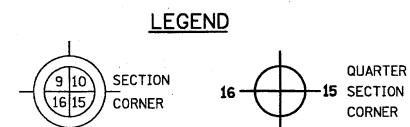
SDS
RYP
SDS
RYP
RYP
RYP
MADE BY: RYP

PART OF THE NORTHEAST & SOUTHEAST 14 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



COORDINATE/STATION TABLE (CONT'D)

Point	Northing	Easting	Station	Offset
91	1975027.62	950796.88	144+96.41	0.00 L
91	1975027.62	950796.88	30+03.45	1.48 R
123	1974426.34	950961.37	138+75.93	60.00 R
124	1974967.63	950868.10	144+25.19	60.00 R
125	1974967.65	951346.53	35+52.97	62.76 R
126	1974972.71	951349.33	35+55.78	57.70 R
127	1975072.11	951450.58	36+57.26	41.46 L
128	1975085.11	951450.55	36+57.26	54.46 L



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- NOTES:**
1. ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
51	1974443.94	950981.17	138+89.91	82.50 R
52	1974471.50	950976.42	139+17.88	82.50 R
53	1974467.68	950954.24	139+17.88	60.00 R
54	1974951.03	950870.96	144+08.35	60.00 R
55	1974967.63	950891.54	30+97.97	61.70 R
56	1974967.65	951318.62	35+25.05	62.69 R
57	1974965.52	951318.62	35+25.05	64.82 R
58	1974965.53	951345.67	35+52.10	64.87 R
59	1974965.64	951493.62	37+00.05	65.11 R
60	1974972.89	951493.62	37+00.06	57.86 R
61	1975072.14	951493.55	37+00.22	41.39 L
62	1975095.64	951493.53	37+00.26	64.89 L
63	1975095.61	951450.53	36+57.26	64.96 L
64	1975110.61	951450.52	36+57.29	79.96 L
65	1975110.59	951418.27	36+25.04	80.01 L
66	1975085.05	951418.29	36+25.00	54.47 L
89	1975029.10	950796.62	144+97.91	0.00 L
89	1975029.10	950796.62	30+03.20	0.00 R

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JS0009	VILLAGE OF PINGREE GROVE	25.650	0.024	0.000	25.626			02-29-301-001 02-30-480-001 02-30-484-014 02-30-449-015 02-30-448-022	
1JS0010A	EDWARD L. WESEMANN, TRUSTEE UNDER THE DECLARATION OF TRUST DATED MAY 15, 2008 AND MARGARET H. WESEMANN, TRUSTEE UNDER THE DECLARATION OF TRUST DATED MAY 15, 2008, EACH AS TO AN UNDIVIDED 1/2 INTEREST	3.679	0.018 0.004 0.001	0.000 0.000 0.000	3.656			02-30-400-018	
1JS0011A	FIRST AMERICAN BANK, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 19TH DAY OF OCTOBER, 1994, AND KNOWN AS TRUST NUMBER 1-94-125	76.851	0.086 0.087	0.044 0.064	76.678			02-29-100-002 02-30-200-010	

07/11/2012
04/09/2012
REVISION DATE: 04/06/2012

ADDITIONAL STATIONING
REPLACE 1JS0010-C WITH 1JS0010C
REVISION PER COMMENT LETTER DATED 04/04/2012

RYP
RYP
MADE BY RYP

RECEIVED
JUL 11 2012

PLATS & LEGALS

SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

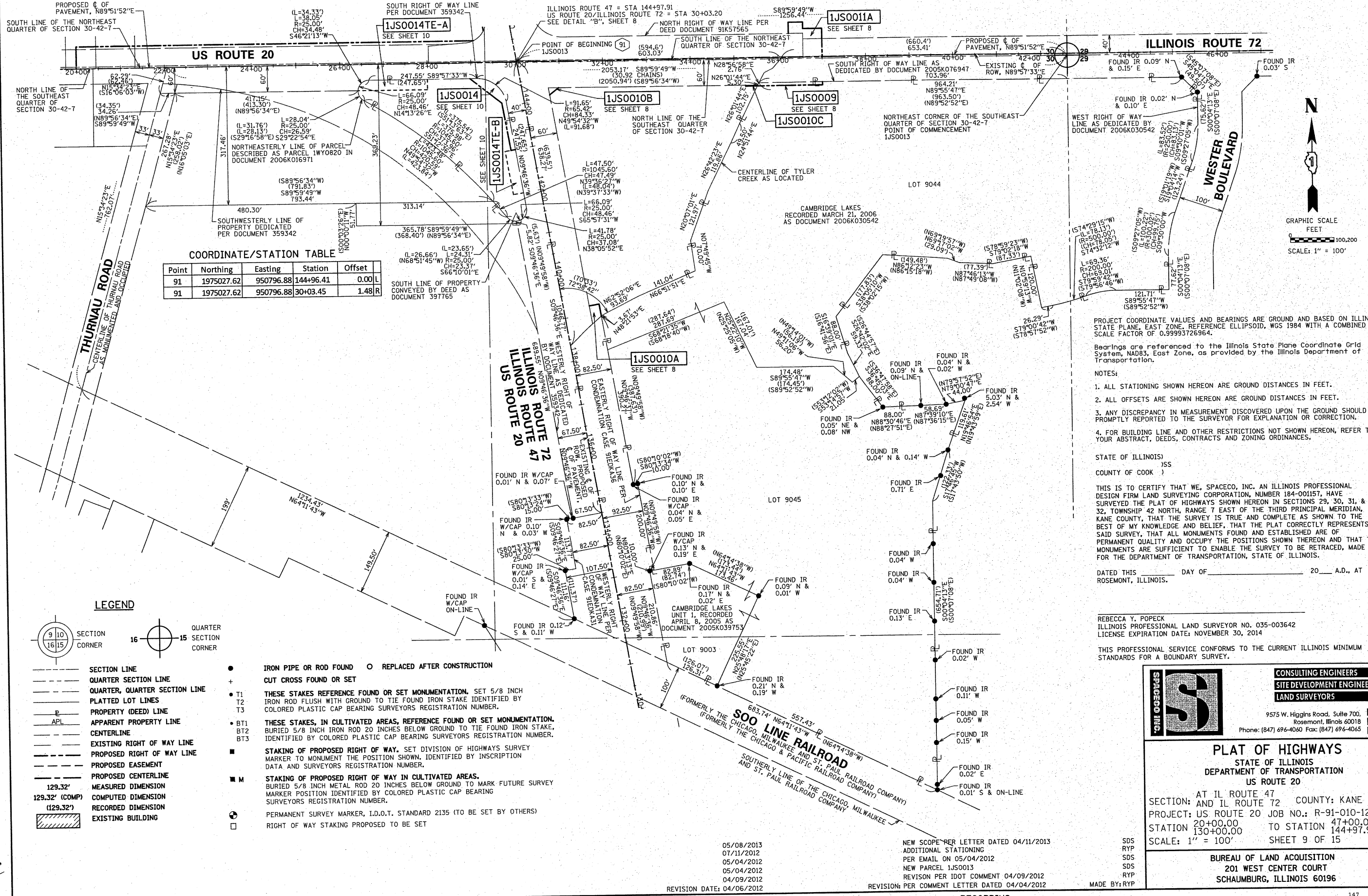
9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
STATION 146+00.00 TO STATION 138+50.00
SCALE: 1" = 40' SHEET 8 OF 15

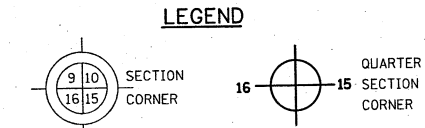
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE SOUTHWEST 1/4 OF SECTION 29 & SOUTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
91	1975027.62	950796.88	144+96.41	0.00 L
91	1975027.62	950796.88	30+03.45	1.48 R



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726954.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- NOTES:
1. ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
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 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

STATE OF ILLINOIS)
) S.S.
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

SPACECO INC.

**CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 20+00.00 TO STATION 47+00.00
 130+00.00 TO STATION 144+97.91
 SCALE: 1" = 100' SHEET 9 OF 15

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

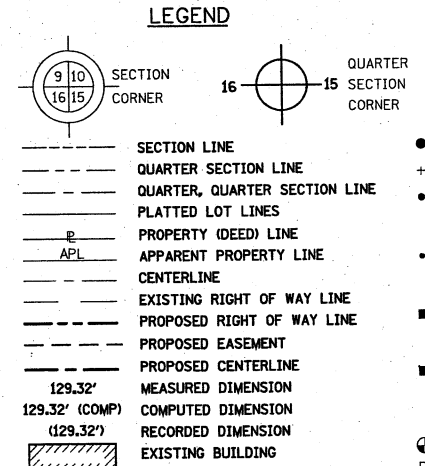
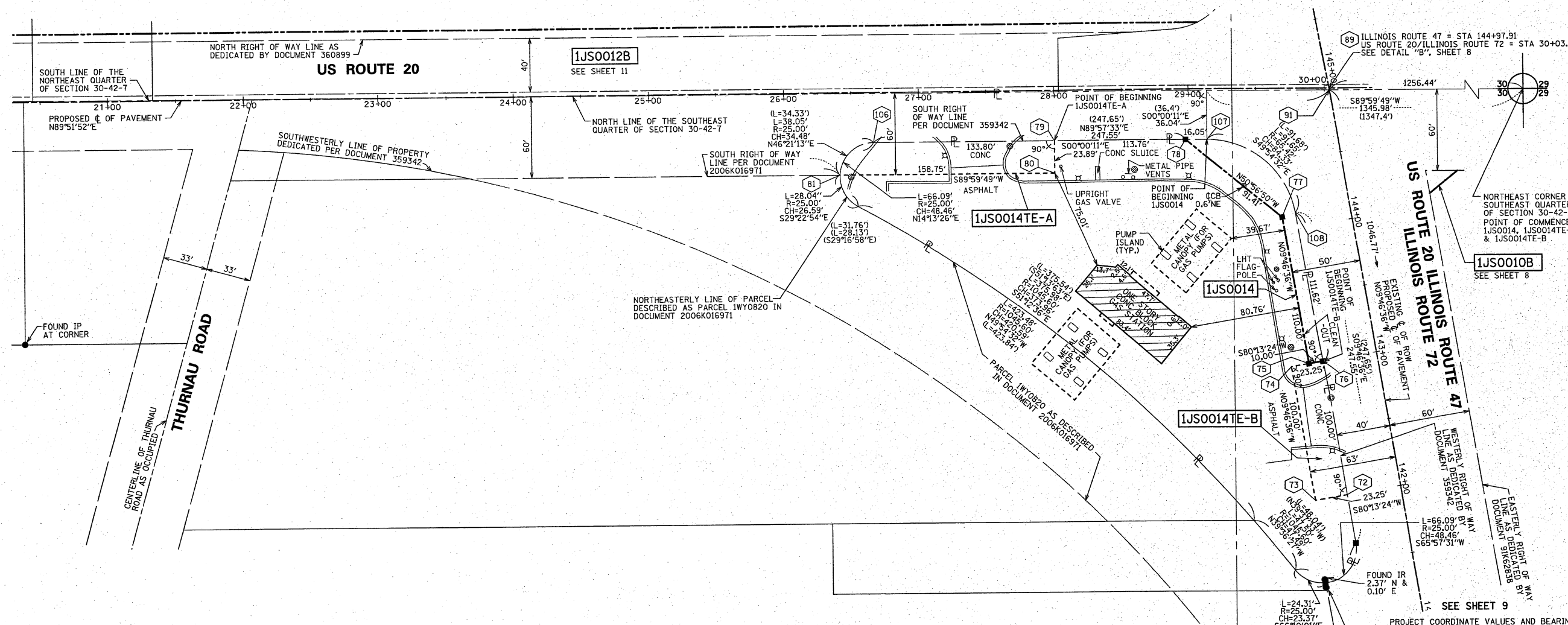
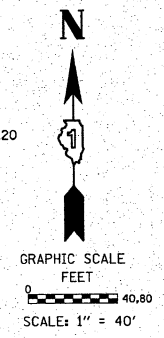
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 MAY 08 2013
 PLATS & LEGALS

05/08/2013
 07/11/2012
 05/04/2012
 05/04/2012
 04/09/2012
 REVISION DATE: 04/06/2012

NEW SCOPE PER LETTER DATED 04/11/2013
 ADDITIONAL STATIONING
 PER EMAIL ON 05/04/2012
 NEW PARCEL 1JS0013
 REVISION PER IDOT COMMENT 04/09/2012
 REVISION: PER COMMENT LETTER DATED 04/04/2012

SDS
 RYP
 SDS
 SDS
 RYP
 MADE BY: RYP

PART OF THE SOUTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



- FIRE HYDRANT
 - VALVE VAULT
 - CATCH BASIN
 - TELEPHONE MANHOLE
 - LIGHT
 - SANITARY MANHOLE
 - CONC
 - IRON PIPE
 - IRON ROD
 - MON
 - LHT
- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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

Point	Northing	Easting	Station	Offset
72	1974728.73	950807.79	142+00.00	40.00 L
73	1974724.78	950784.88	142+00.00	63.25 L
74	1974823.33	950767.90	143+00.00	63.25 L
75	1974825.58	950780.95	143+00.00	50.00 L
76	1974827.27	950790.81	143+00.00	40.00 L
77	1974933.98	950762.27	144+10.00	50.00 L
78	1974991.57	950691.29	28+97.78	37.29 R
79	1974991.50	950593.58	28+00.07	37.12 R
80	1974967.61	950593.58	28+00.02	61.01 R
81	1974967.60	950434.83	26+41.27	60.64 R
89	1975029.10	950796.62	144+97.91	0.00 L
89	1975029.10	950796.62	30+03.20	0.00 R
91	1975027.62	950796.88	144+96.41	0.00 L
91	1975027.62	950796.88	30+03.45	1.48 R
106	1974991.40	950459.78	26+66.28	36.90 R
107	1974991.58	950707.34	29+13.83	37.31 R
108	1974937.27	950771.85	144+11.62	40.00 L

STATE OF ILLINOIS)
) JSS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

PER EMAIL COMMENTS ON 05/16/2013
 NEW SCOPE PER LETTER DATED 04/11/2013
 ADDITIONAL STATIONING
 PER 2ND EMAIL ON 05/04/2012
 PER EMAIL ON 05/04/2012
 NEW PARCEL IJS0013
 REVISION PER IDOT COMMENT 04/09/2012
 REVISION: PER COMMENT LETTER DATED 04/04/2012

MADE BY: RYP

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

NOTES:
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 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SF						
IJS0014	NORTH STAR TRUST COMPANY, AS SUCCESSOR TO CARDINAL SAVINGS BANK, FSB, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 21ST DAY OF FEBRUARY, 2000, KNOWN AS TRUST NUMBER 98-173	1.358	0.065		0.000	1.293			02-30-400-009	
IJS0014TE-A						0.084	TEMPORARY			
IJS0014TE-B						0.053	TEMPORARY			

RECEIVED
 MAY 28 2013
 PLATS & LEGALS

05/28/2013
 05/08/2013
 07/11/2012
 05/04/2012
 05/04/2012
 05/04/2012
 04/10/2012
 REVISION DATE: 04/06/2012

SPACECO INC.

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

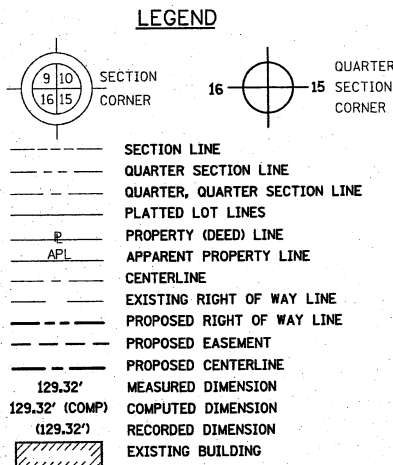
9575 W. Higgins Road, Suite 700,
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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20

SECTION: AT IL ROUTE 47 COUNTY: KANE
 AND IL ROUTE 72
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 20+50.00 TO STATION 30+03.20
 141+50.00 TO STATION 144+97.91
 SCALE: 1" = 40' SHEET 10 OF 15

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

PART OF THE NORTHEAST 14 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

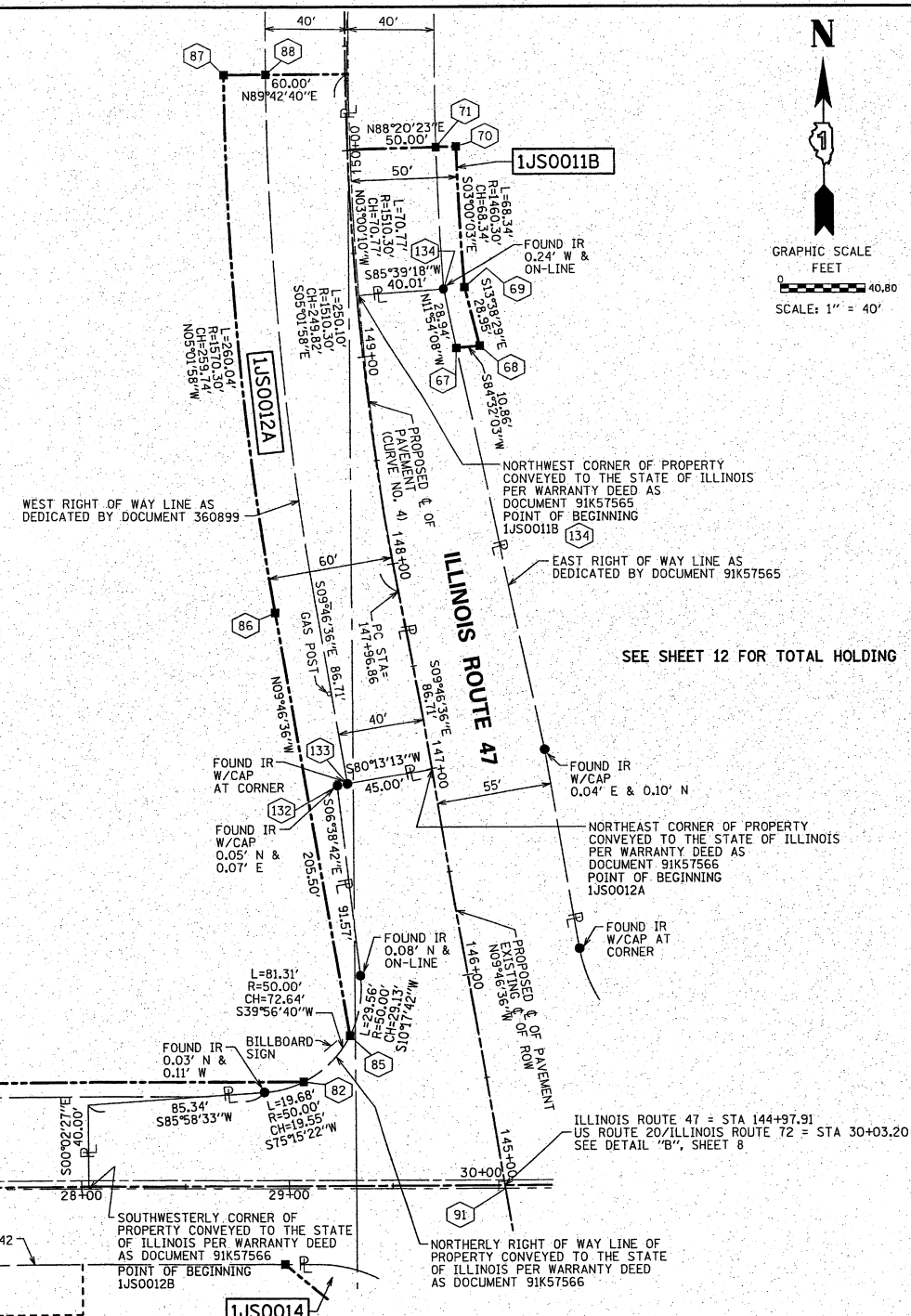
NOTES:

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CURVE NO. 4
 PI STA = 153+60.73
 R = 1497.22'
 T = 563.87'
 L = 1078.54'
 PC STA = 147+96.86
 PT STA = 158+75.40

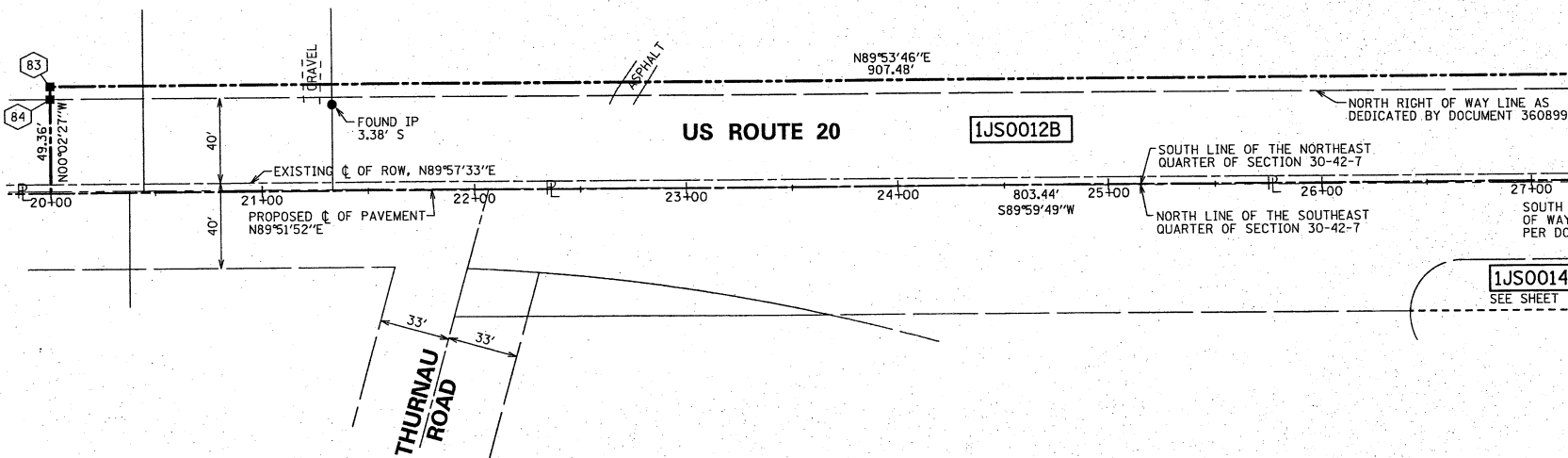
COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
67	1975430.09	950775.92	148+99.71	44.26 R
68	1975431.12	950786.73	148+99.63	55.12 R
69	1975459.25	950779.90	149+29.32	50.91 R
70	1975527.49	950776.32	150+00.08	51.33 R
71	1975527.21	950766.47	150+00.14	41.47 R
82	1975078.58	950702.40	29+09.10	49.70 L
83	1975076.93	949793.40	20+00.10	50.20 L
84	1975070.93	949793.40	20+00.09	44.20 L
85	1975100.63	950723.41	145+80.83	60.00 L
86	1975303.15	950688.51	147+86.34	60.00 L
87	1975561.89	950665.73	150+36.88	58.47 L
88	1975561.99	950685.75	150+36.78	38.44 L
89	1975029.10	950796.62	144+97.91	0.00 L
89	1975029.10	950796.62	30+03.20	0.00 R
91	1975027.62	950796.88	144+96.41	0.00 L
91	1975027.62	950796.88	30+03.45	1.48 R
132	1975220.25	950718.02	146+99.63	45.00 L
133	1975221.09	950722.95	146+99.63	40.00 L
134	1975458.46	950769.93	149+29.30	40.62 R



SEE SHEET 12 FOR TOTAL HOLDING

SEE SHEET 12 FOR TOTAL HOLDING



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JS0011A	FIRST AMERICA BANK, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 19TH DAY OF OCTOBER, 1994, AND KNOWN AS TRUST NUMBER 1-94-125	76.851	0.086	0.044	76.678			02-29-100-002	
1JS0011B			0.087	0.064				02-30-200-010	
1JS0012A	HOME STATE BANK, NATIONAL ASSOCIATION AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 1, 2001 KNOWN AS TRUST NO. 5040	38.879	0.501	0.312	37.438			02-30-200-011	
1JS0012B			0.940	0.807				02-30-200-002	
								02-30-200-003	
								02-30-200-004	

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SPACECO INC.
 CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20
 AT IL ROUTE 47 COUNTY: KANE
 SECTION: AND IL ROUTE 72 JOB NO.: R-91-010-12
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 20+00.00 TO STATION 30+03.20
 144+97.91 TO STATION 150+50.00
 SCALE: 1" = 40' SHEET 11 OF 15
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

RECEIVED
 MAY 08 2013
 PLATS & LEGALS

05/08/2013
 07/11/2012
 05/04/2012
 05/04/2012
 REVISION DATE: 04/06/2012

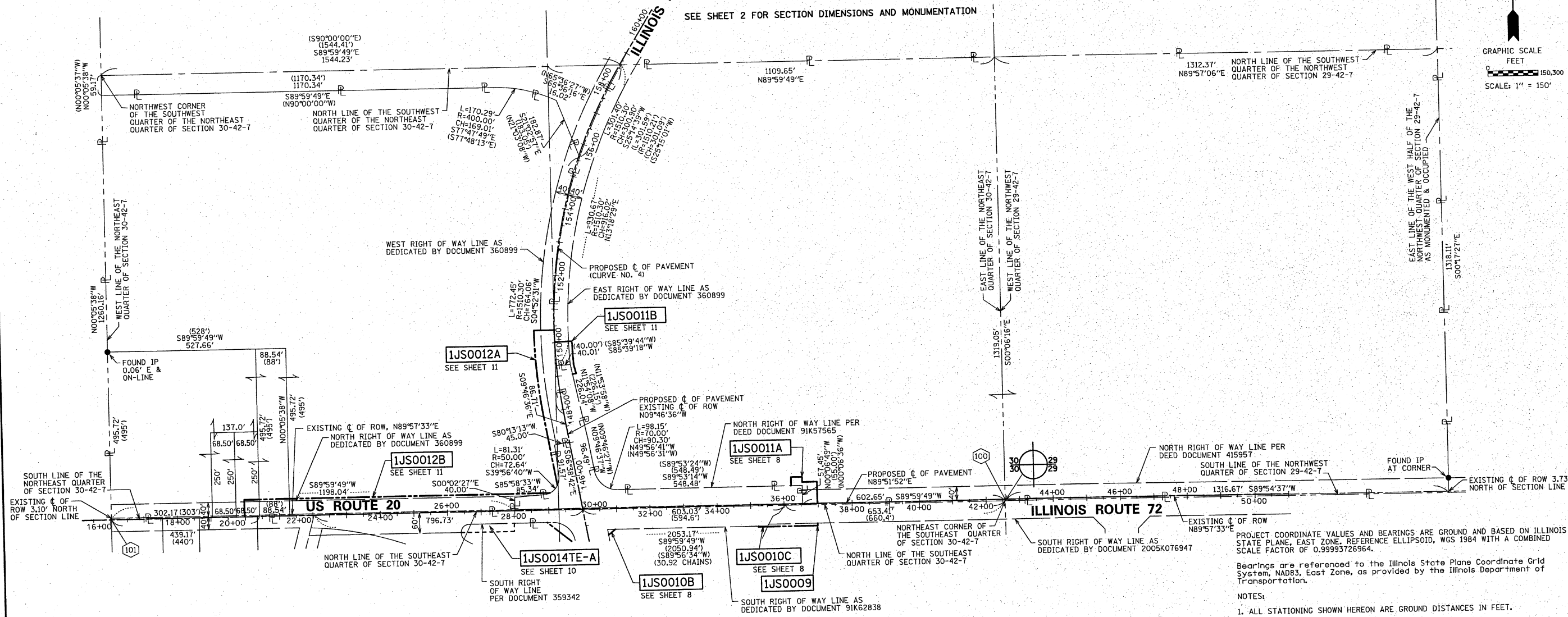
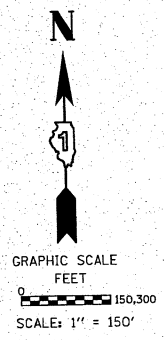
NEW SCOPE PER LETTER DATED 04/11/2013
 ADDITIONAL STATIONING
 PER EMAIL ON 05/04/2012
 NEW PARCEL 1JS0013
 REVISION: PER COMMENT LETTER DATED 04/04/2012

SDS
 RYP
 SDS
 SDS
 MADE BY: RYP

PART OF THE NORTHWEST 1/4 OF SECTION 29 & NORTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

COORDINATE/STATION TABLE

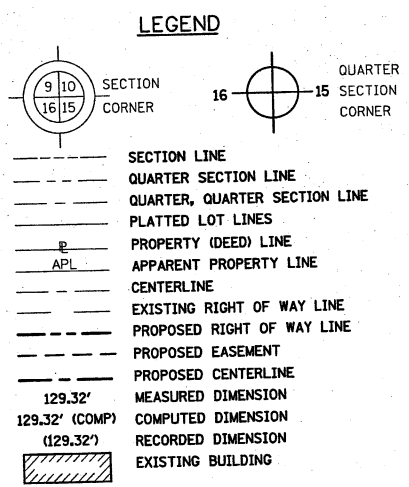
Point	Northing	Easting	Station	Offset
100	1975032.08	852053.31	42+59.89	0.00 R
101	1975025.79	949398.84	16+05.42	0.00 R



PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- NOTES:
1. ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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 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

CURVE NO. 4
 PI STA = 153+60.73
 R = 1497.22'
 T = 563.87'
 L = 1078.54'
 PC STA = 147+96.86
 PT STA = 158+75.40

STATE OF ILLINOIS)
)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

05/08/2013
 05/04/2012
 05/04/2012
 04/12/2012
 REVISION DATE: 04/06/2012

NEW SCOPE PER LETTER DATED 04/11/2013
 PER EMAIL ON 05/04/2012
 NEW PARCEL 1JS0013
 SECTION AND QUARTER SECTION STATIONING
 REVISION: PER COMMENT LETTER DATED 04/04/12

SDS
 SDS
 SDS
 RYP
 MADE BY: RYP

SPACECO, INC. CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

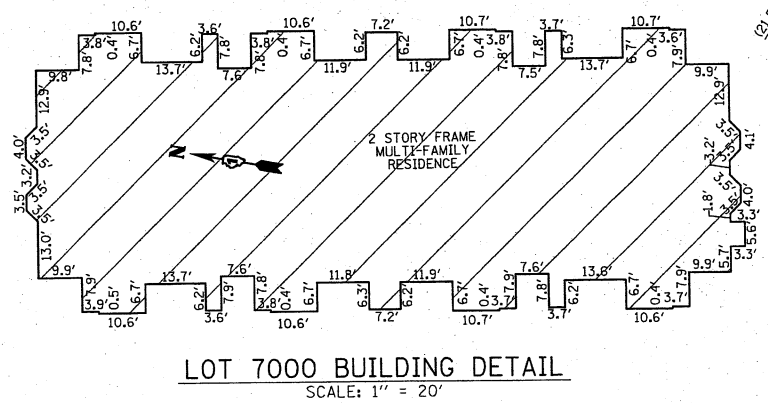
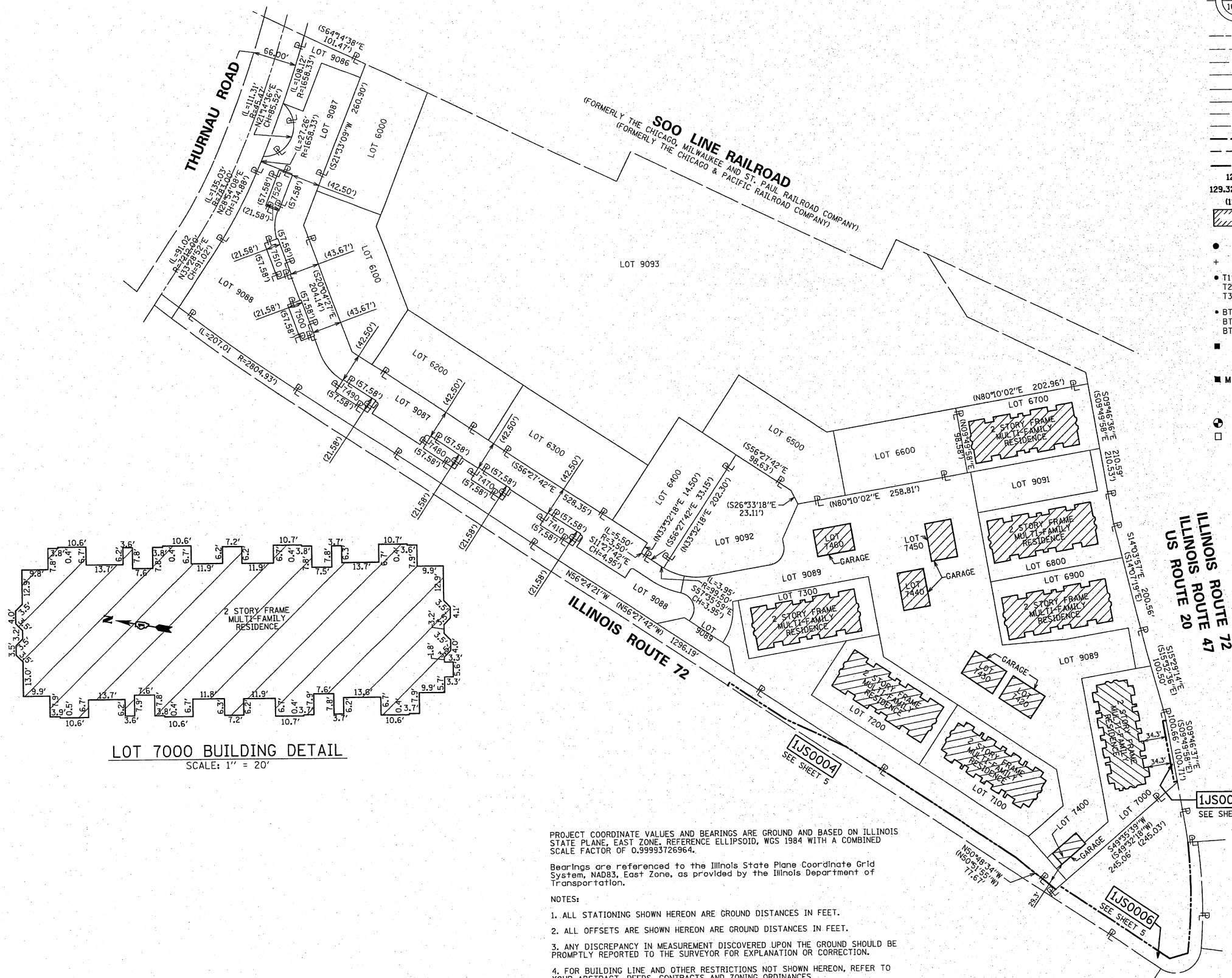
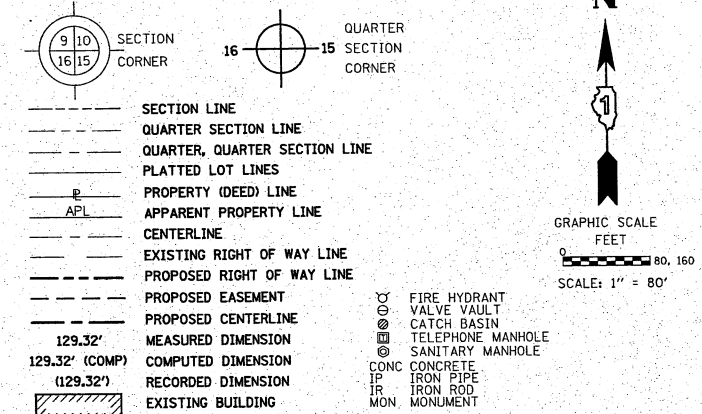
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 20
 AT IL ROUTE 47 COUNTY: KANE
 SECTION: AND IL ROUTE 72
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
 STATION 16+00.00 TO STATION 51+00.00
 SCALE: 1" = 150' SHEET 12 OF 15

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

RECEIVED
 MAY 08 2013
 PLATS & LEGALS

PART OF THE SOUTHEAST 1/4 OF SECTION 30, TWP. 42 N., R. 7 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- + CUT CROSS FOUND OR 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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- 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.
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- ⊕ 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 COOK)

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 29, 30, 31, & 32, TOWNSHIP 42 NORTH, 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 THIS _____ DAY OF _____ 20__ A.D., AT ROSEMONT, ILLINOIS.

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

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

PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

NOTES:

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2. ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
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4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

RECEIVED
MAY 08 2013
PLATS & LEGALS

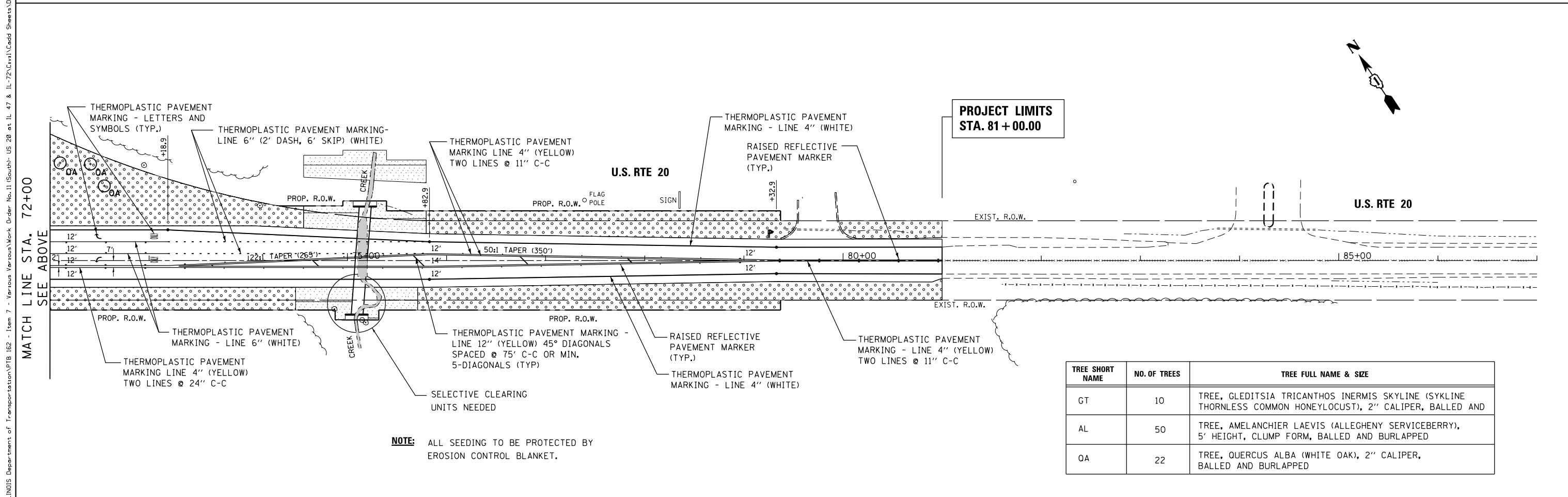
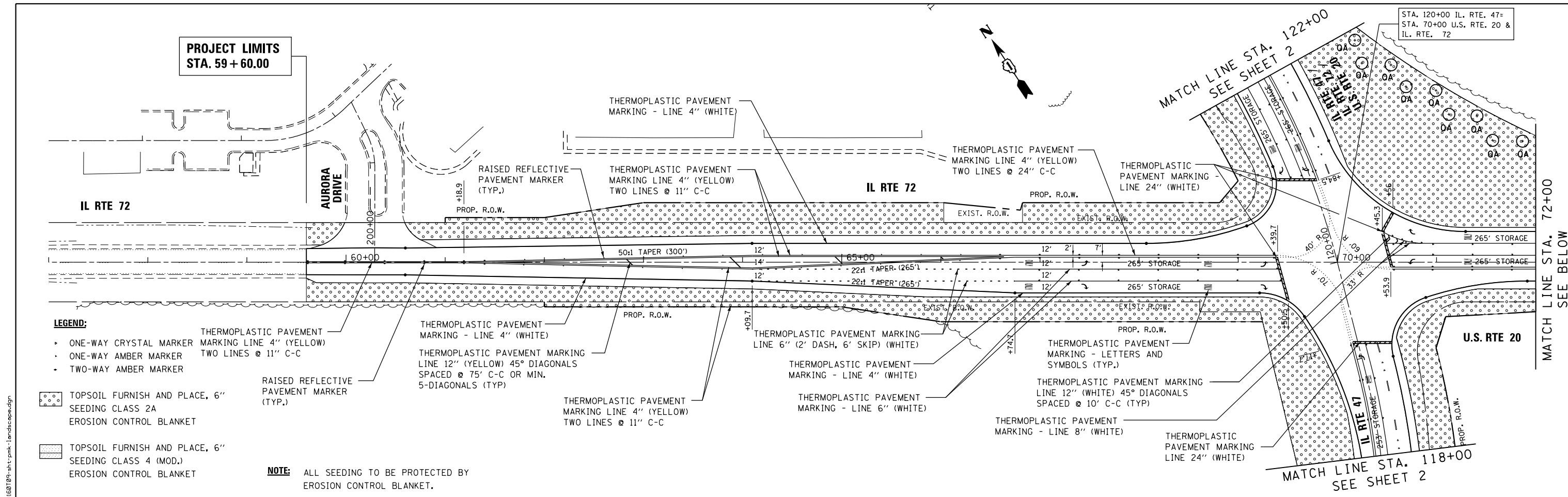
SPACECO INC.
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700;
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 20

AT IL ROUTE 47
SECTION: AND IL ROUTE 72 COUNTY: KANE
PROJECT: US ROUTE 20 JOB NO.: R-91-010-12
STATION N/A TO STATION N/A
SCALE: 1" = 80' SHEET 13 OF 15

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



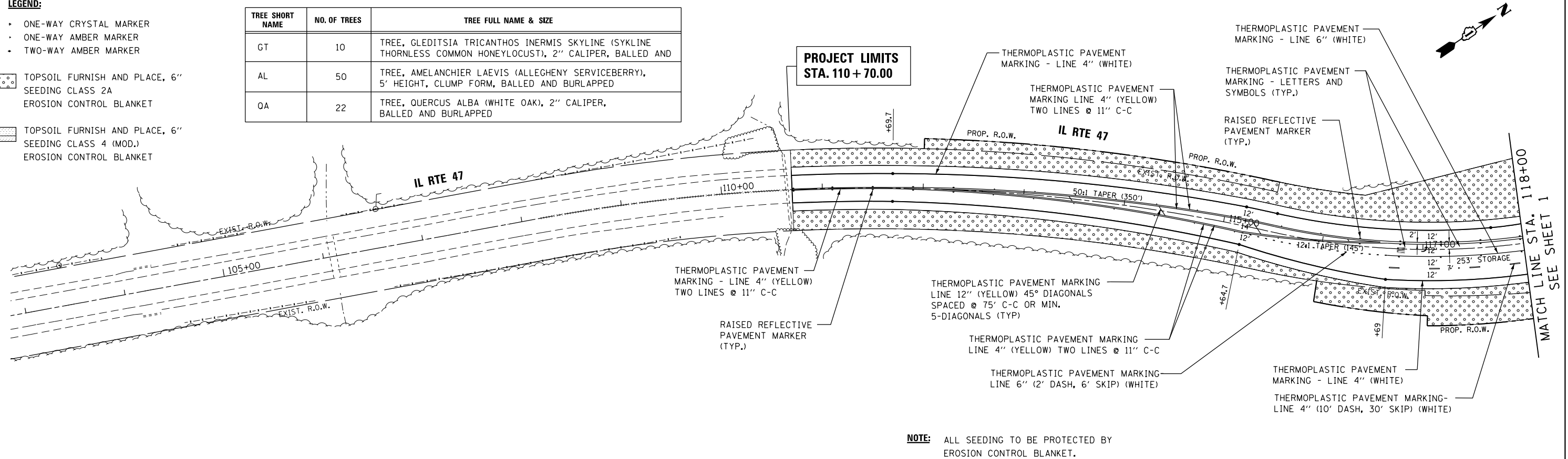
LEGEND:

- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER
- TWO-WAY AMBER MARKER

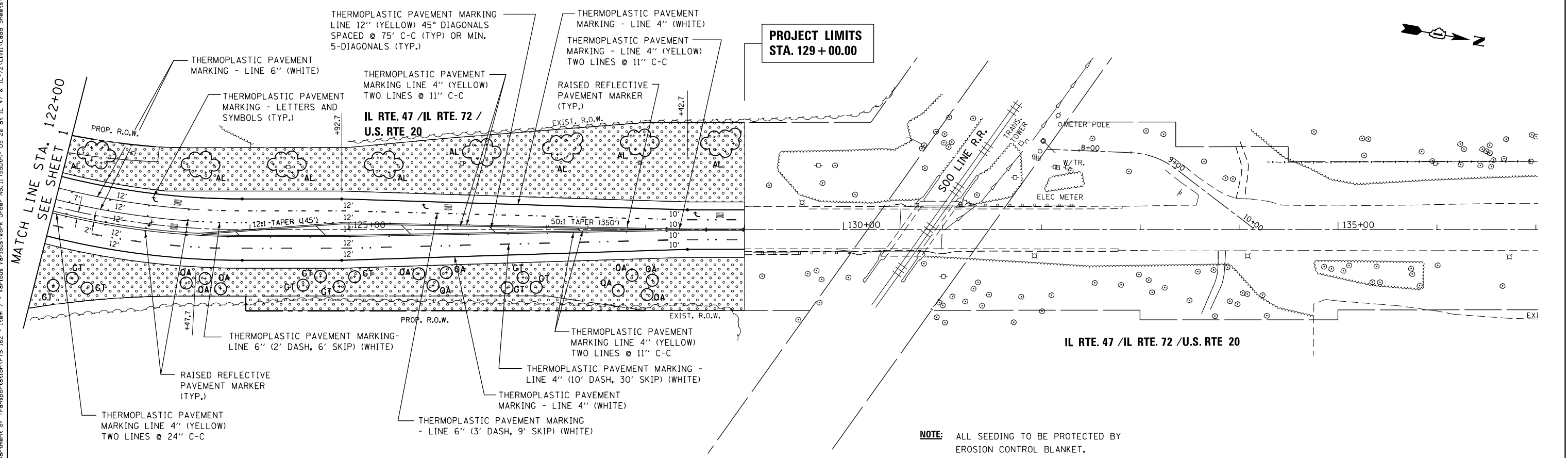
TOPSOIL FURNISH AND PLACE, 6" SEEDING CLASS 2A EROSION CONTROL BLANKET

TOPSOIL FURNISH AND PLACE, 6" SEEDING CLASS 4 (MOD.) EROSION CONTROL BLANKET

TREE SHORT NAME	NO. OF TREES	TREE FULL NAME & SIZE
GT	10	TREE, GLEDITSIA TRICANTHOS INERMIS SKYLINE (SYKLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND
AL	50	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
QA	22	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED



NOTE: ALL SEEDING TO BE PROTECTED BY EROSION CONTROL BLANKET.



NOTE: ALL SEEDING TO BE PROTECTED BY EROSION CONTROL BLANKET.

G:\Projects\ILLINOIS Department of Transportation\VTB 162 - Item 7 - Various Various\Work Order No. 11 (South) US 20 et. IL 47 & IL 72\Civil\Cadd Sheets\0160709-shr-pmk-1-landscape.dgn

FILE NAME =	USER NAME = chr1sfish	DESIGNED - MTM	REVISED -
		DRAWN - MTM	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

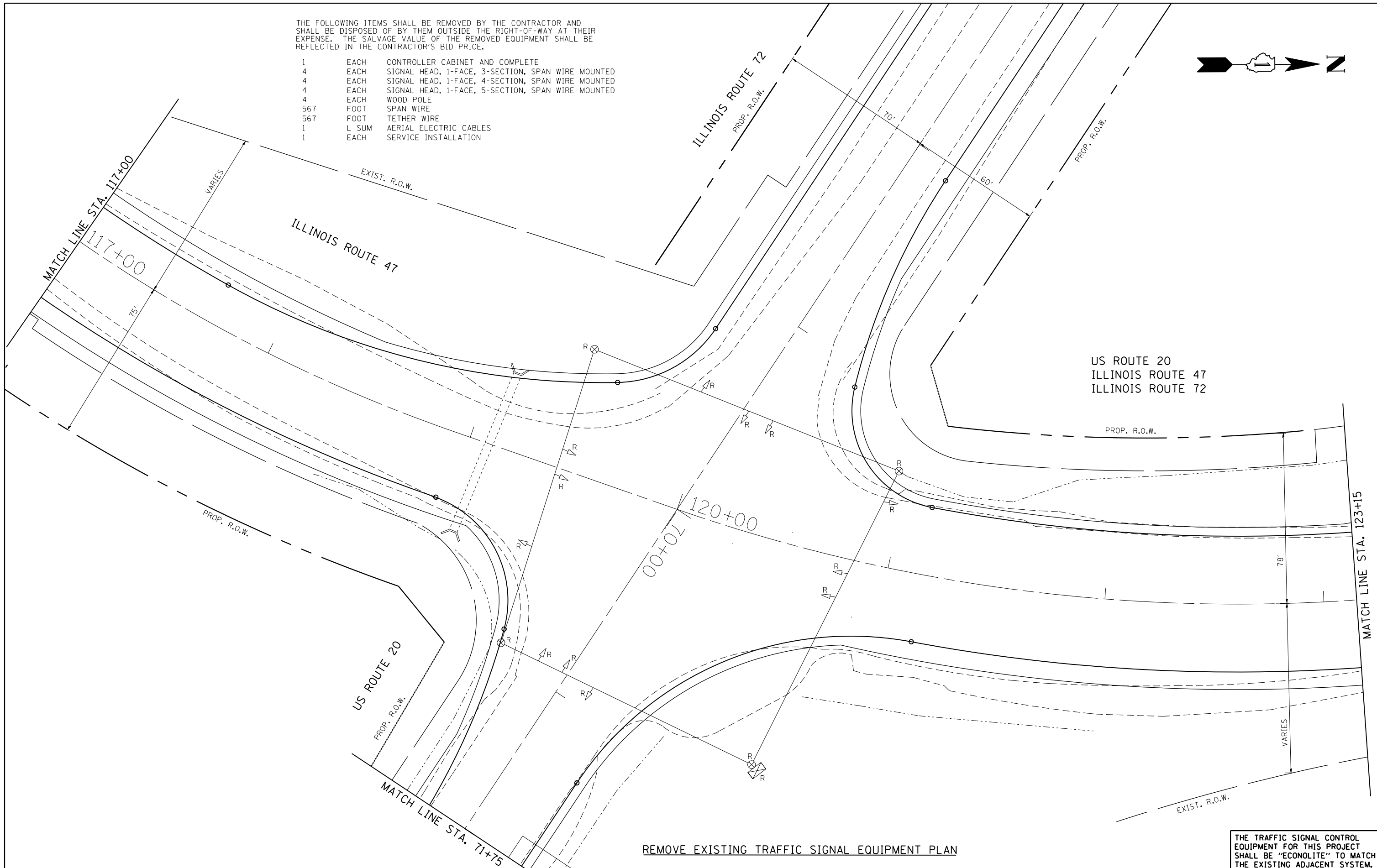
**PAVEMENT MARKING AND LANDSCAPING DETAILS
U.S. RTE 20 (SOUTH JUNCTION)**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 110+70 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	73
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

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 CONTRACTOR'S BID PRICE.

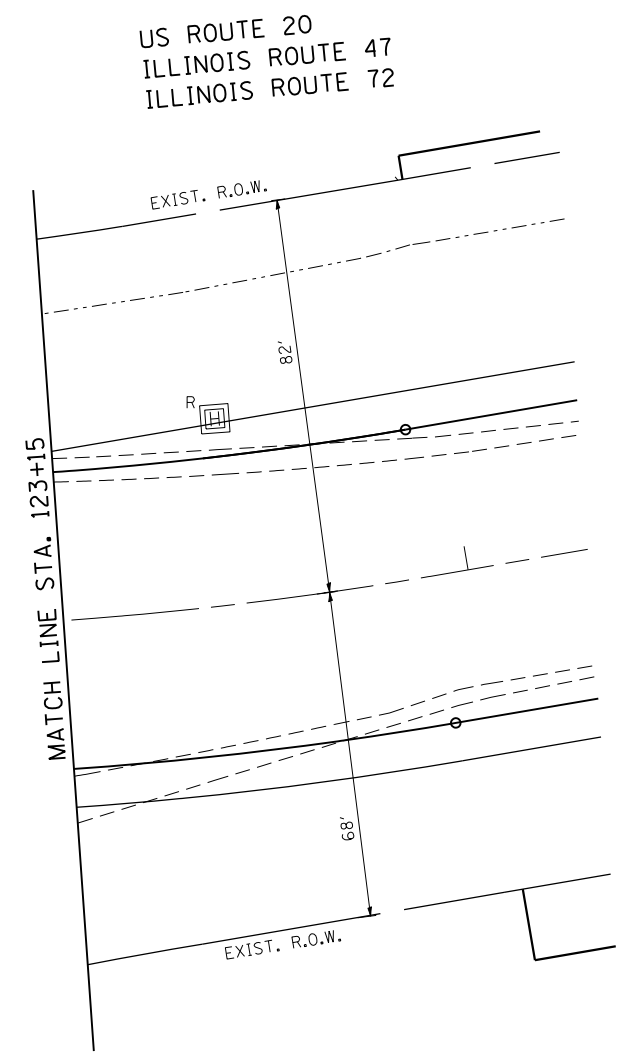
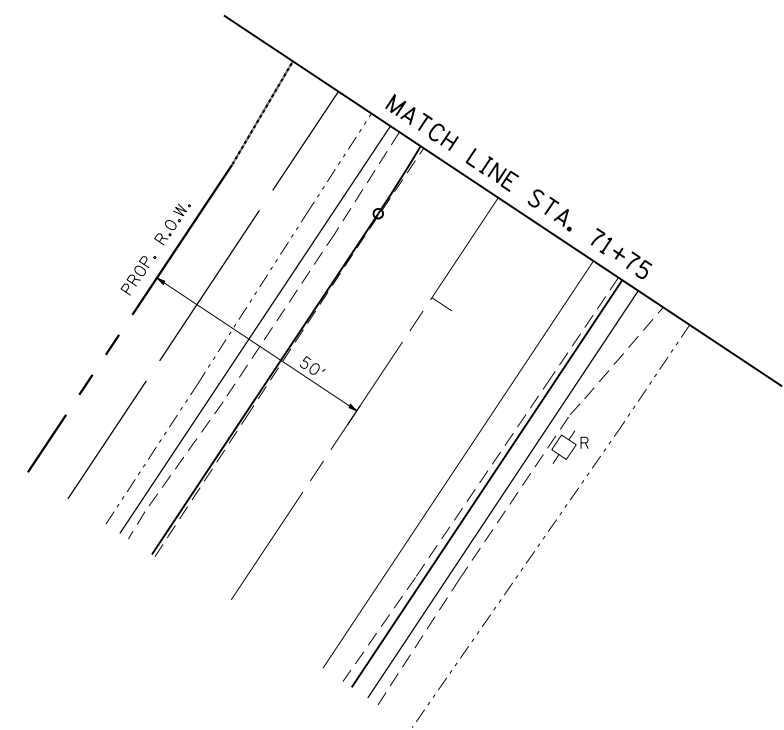
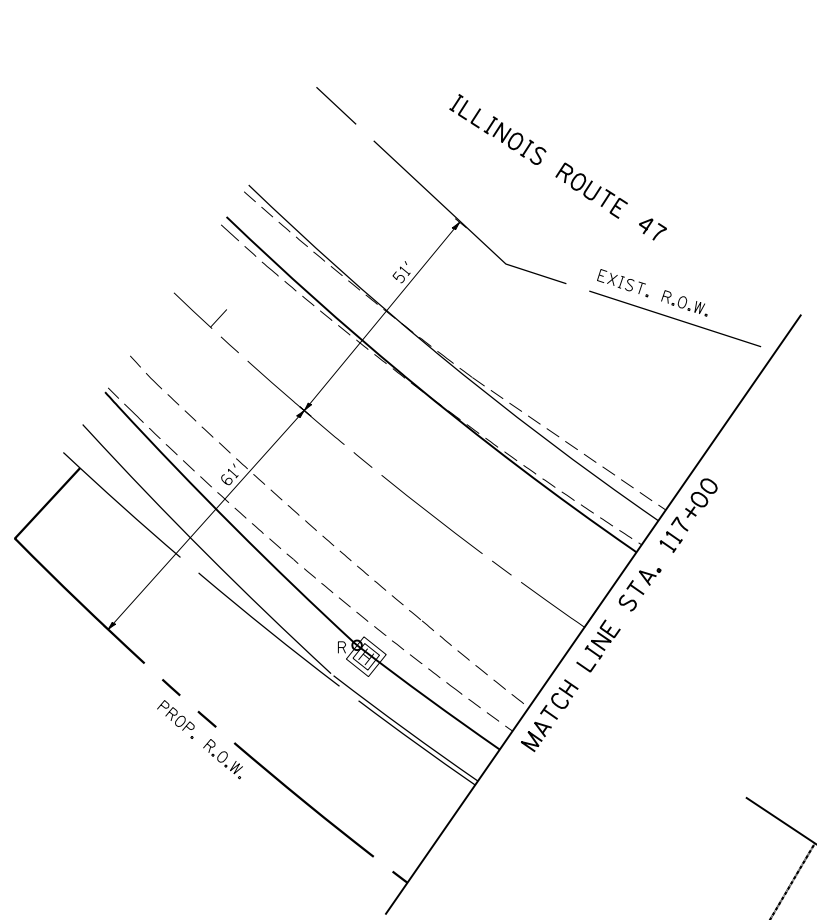
- 1 EACH CONTROLLER CABINET AND COMPLETE
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE, 4-SECTION, SPAN WIRE MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED
- 4 EACH WOOD POLE
- 567 FOOT SPAN WIRE
- 567 FOOT TETHER WIRE
- 1 L SUM AERIAL ELECTRIC CABLES
- 1 EACH SERVICE INSTALLATION



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (SOUTH JUNCTION) (SHEET 1 OF 2)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\60\09 (south)\13.US 20 at IL	DRAWN 72 (South Junction).Removal.Int.dwg	REVISED -			345	106-S-N-2	KANE	147	74
PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -	DATE - 3/15/2013			CONTRACT NO. 60T09		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -		SCALE: 1"=20'		SHEET NO. OF SHEETS		STA. TO STA.		



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	il 72\signals\60109 (south)\14.US 20 at IL	DRAWN 72 (South E Action).Removal.Int.2	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72			
(SOUTH JUNCTION) (SHEET 2 OF 2)			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	75
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



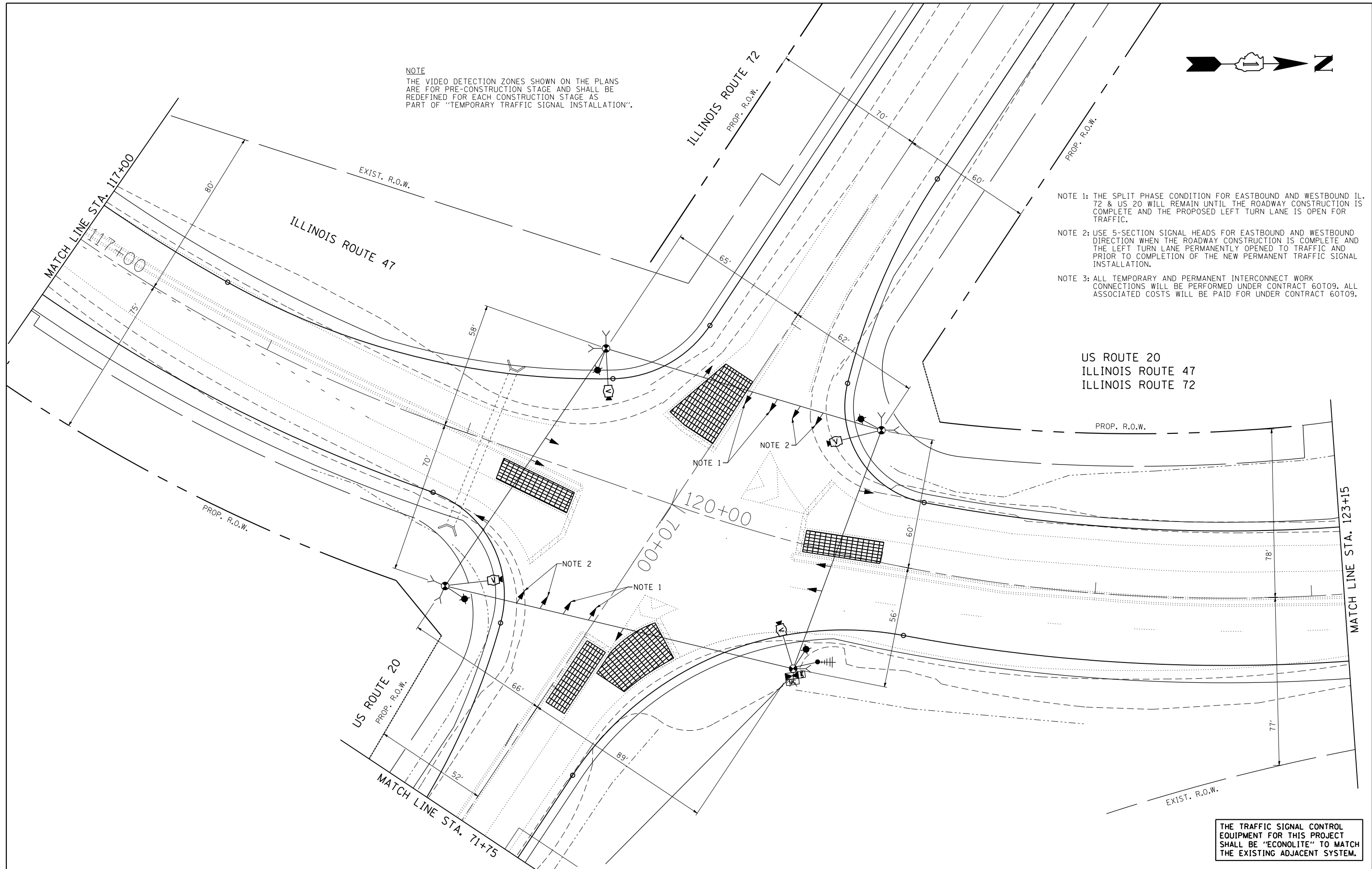
NOTE
 THE VIDEO DETECTION ZONES SHOWN ON THE PLANS
 ARE FOR PRE-CONSTRUCTION STAGE AND SHALL BE
 REDEFINED FOR EACH CONSTRUCTION STAGE AS
 PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

NOTE 1: THE SPLIT PHASE CONDITION FOR EASTBOUND AND WESTBOUND IL. 72 & US 20 WILL REMAIN UNTIL THE ROADWAY CONSTRUCTION IS COMPLETE AND THE PROPOSED LEFT TURN LANE IS OPEN FOR TRAFFIC.

NOTE 2: USE 5-SECTION SIGNAL HEADS FOR EASTBOUND AND WESTBOUND DIRECTION WHEN THE ROADWAY CONSTRUCTION IS COMPLETE AND THE LEFT TURN LANE PERMANENTLY OPENED TO TRAFFIC AND PRIOR TO COMPLETION OF THE NEW PERMANENT TRAFFIC SIGNAL INSTALLATION.

NOTE 3: ALL TEMPORARY AND PERMANENT INTERCONNECT WORK CONNECTIONS WILL BE PERFORMED UNDER CONTRACT 60T09. ALL ASSOCIATED COSTS WILL BE PAID FOR UNDER CONTRACT 60T09.

US ROUTE 20
 ILLINOIS ROUTE 47
 ILLINOIS ROUTE 72



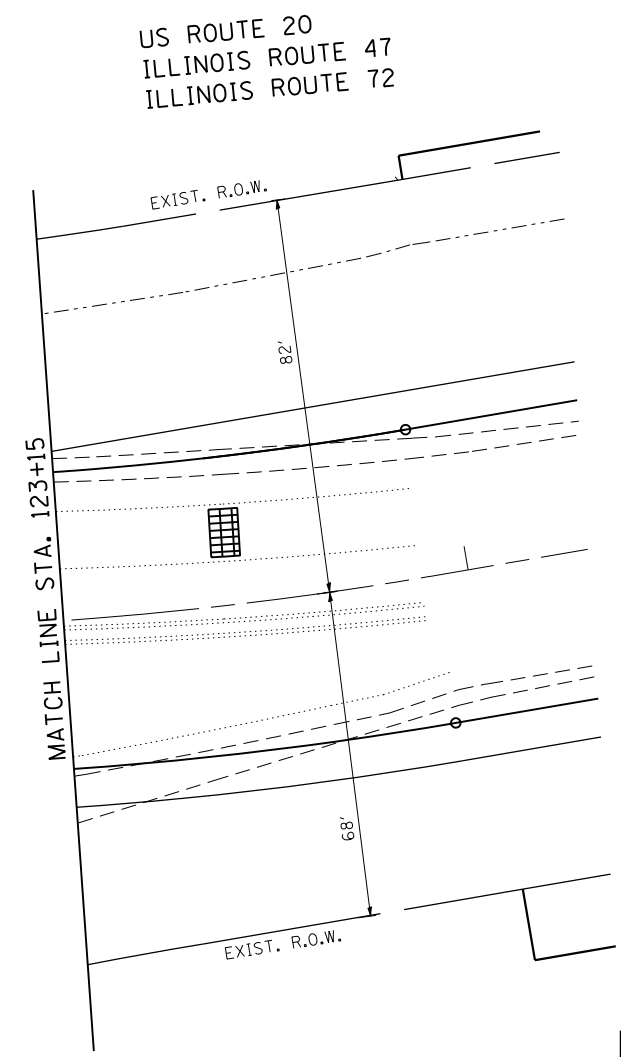
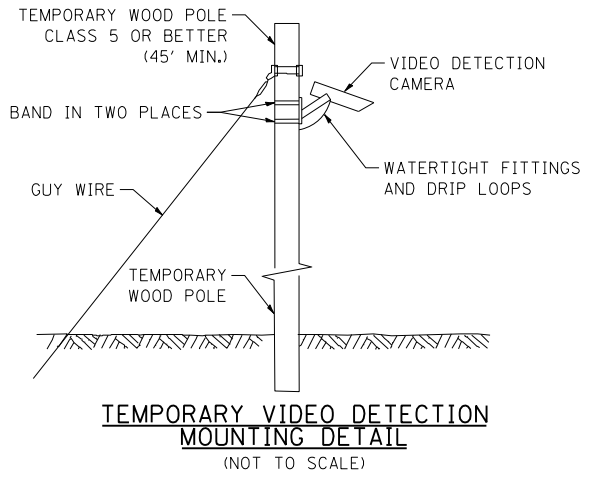
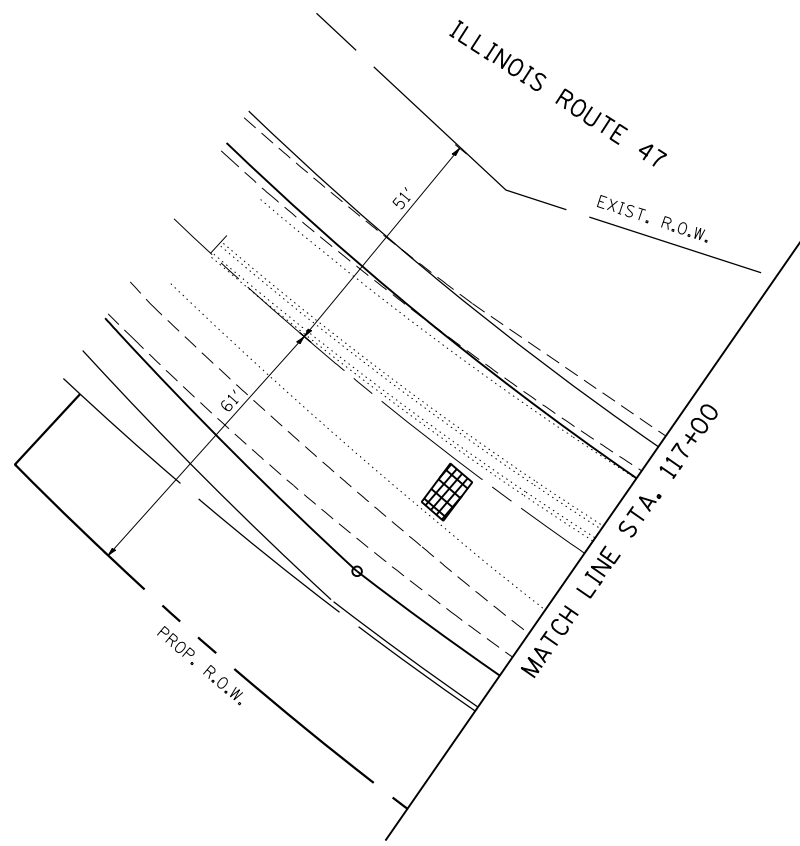
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	il 72\signals\60t09 (south)\15.US 20 at IL	DRAWN 72 (South Junction).Temp.Int.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72			
(SOUTH JUNCTION) (SHEET 1 OF 2)			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

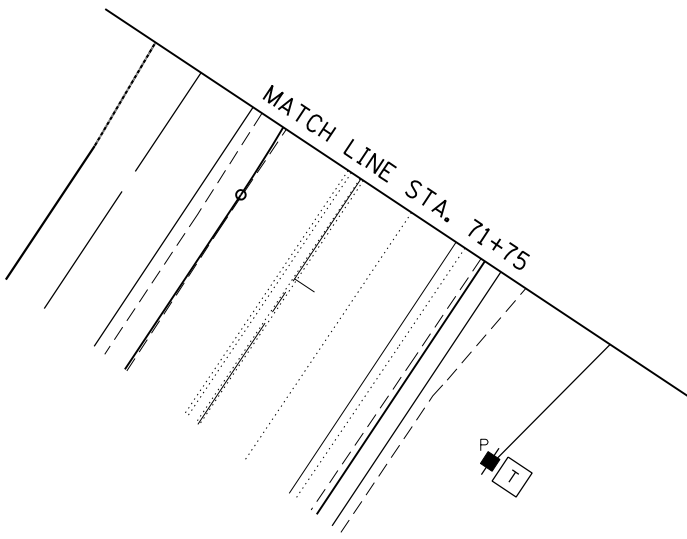
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	76
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

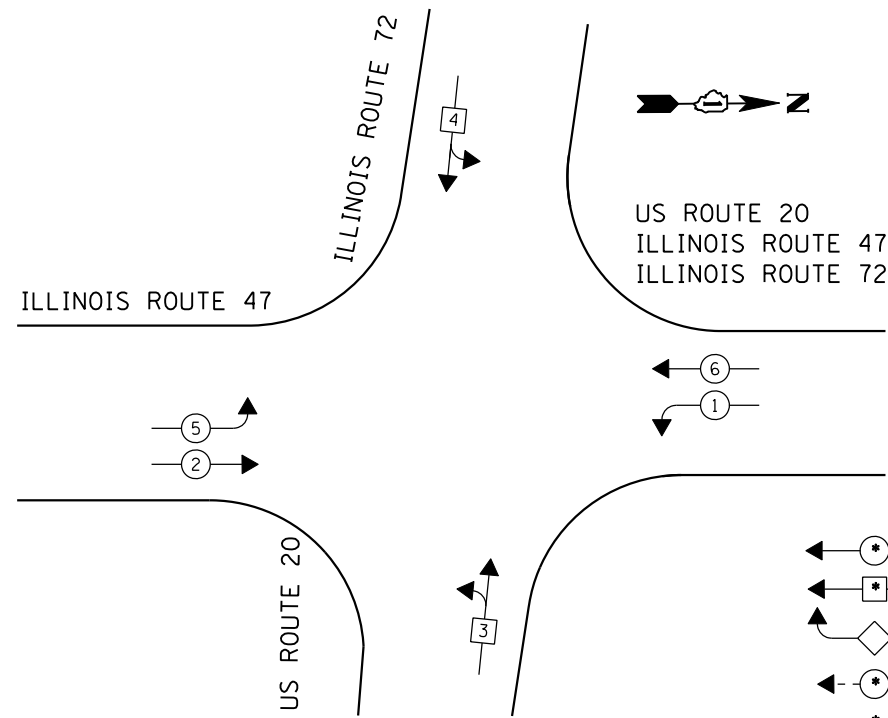
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.



6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (SOUTH JUNCTION) (SHEET 2 OF 2)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\60t09 (south)\16.US 20 at IL	DRAWN 72 (South Junction).Temp.Int.2.dgn	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	345	106-S-N-2	KANE	147	77
	PLOT SCALE = 40.0000 "/ IN.	CHECKED - PKG	REVISED -		CONTRACT NO. 60T09									
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT									

CONTROLLER SEQUENCE



**TEMPORARY PHASE DESIGNATION DIAGRAM
TO BE USED DURING CONSTRUCTION**

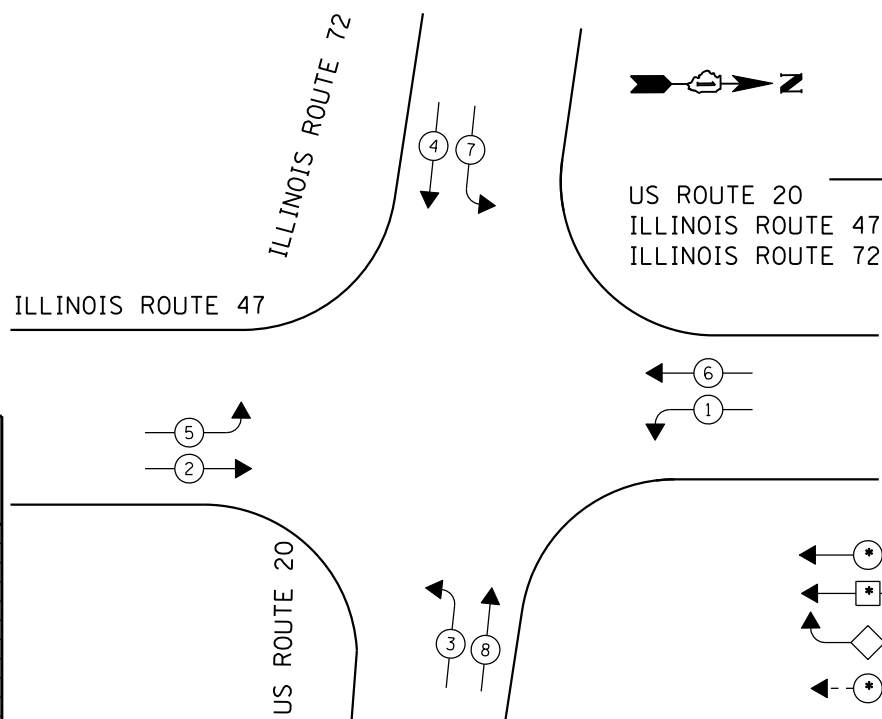
NOTE 1: THE SPLIT PHASE CONDITION FOR EASTBOUND AND WESTBOUND IL. 72 & US 20 WILL REMAIN UNTIL THE ROADWAY CONSTRUCTION IS COMPLETE AND THE PROPOSED LEFT TURN LANE IS OPEN FOR TRAFFIC.

NOTE 2: USE 5-SECTION SIGNAL HEADS FOR EASTBOUND AND WESTBOUND DIRECTION WHEN THE ROADWAY CONSTRUCTION IS COMPLETE AND THE LEFT TURN LANE PERMANENTLY OPENED TO TRAFFIC AND PRIOR TO COMPLETION OF THE NEW PERMANENT TRAFFIC SIGNAL INSTALLATION.

LEGEND

- ◀ (•) ▶ DUAL ENTRY PHASE
- ◀ (•) SINGLE ENTRY PHASE
- ◀ (◊) O.L. OVERLAP
- ◀ (•) ▶ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

CONTROLLER SEQUENCE



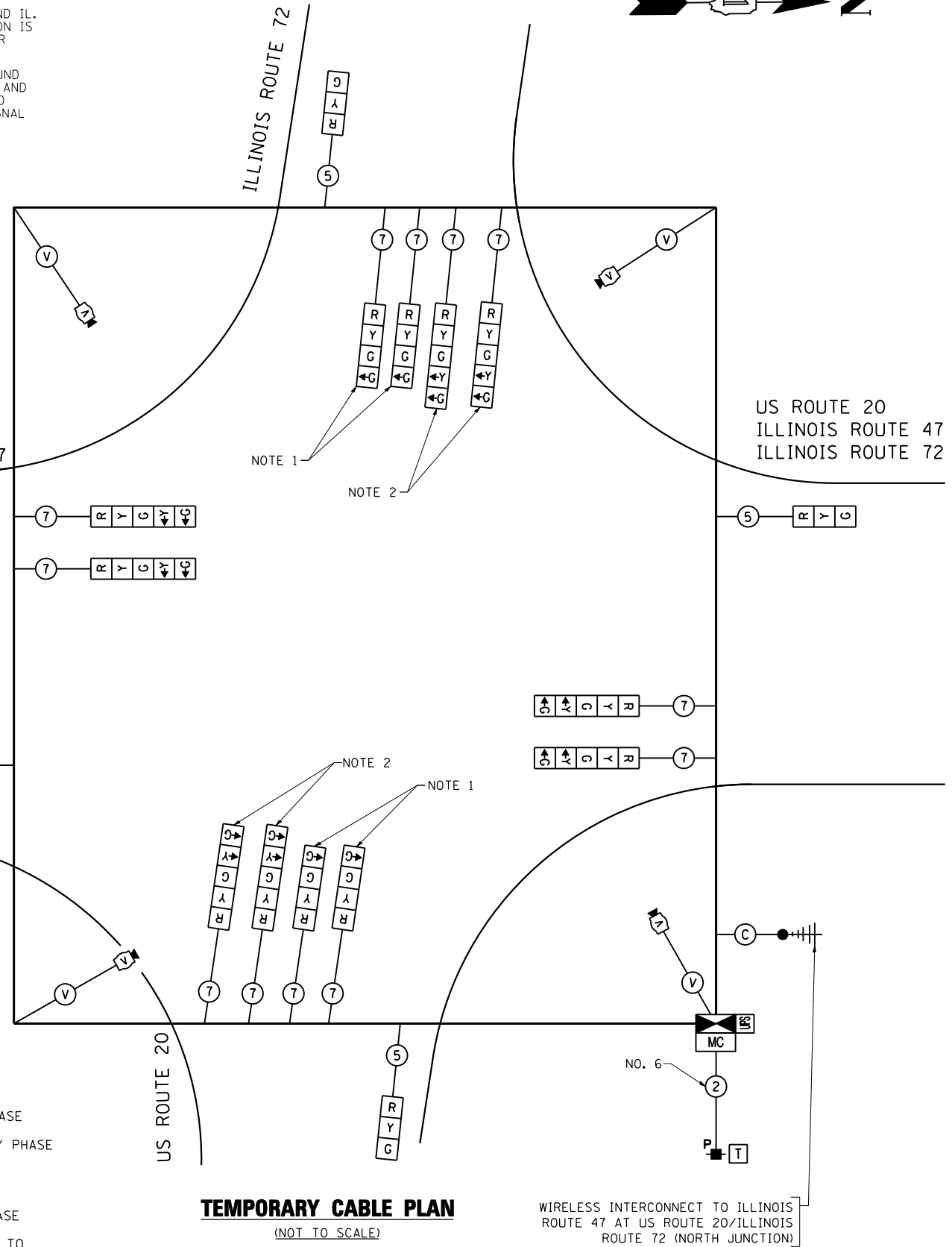
**TEMPORARY PHASE DESIGNATION DIAGRAM
TO BE USED AFTER THE PROPOSED ROADWAY
IS BUILT AND OPEN TO TRAFFIC**

LEGEND

- ◀ (•) ▶ DUAL ENTRY PHASE
- ◀ (•) SINGLE ENTRY PHASE
- ◀ (◊) O.L. OVERLAP
- ◀ (•) ▶ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CABLE PLAN

(NOT TO SCALE)



WIRELESS INTERCONNECT TO ILLINOIS ROUTE 47 AT US ROUTE 20/ILLINOIS ROUTE 72 (NORTH JUNCTION)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	INCAND.	LED	0.50	102
(YELLOW)	12			0.25	75
(GREEN)	12			0.25	45
ARROW	16			0.10	19.2
PED. SIGNAL				1.00	
CONTROLLER	1			1.00	100
ILLUM. SIGN				0.05	
VIDEO SYSTEM	1	150		1.00	150
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 491.2
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: FRAN PIATKOWSKI PHONE: (815) 904-4031 COMPANY: COMMONWEALTH EDISON					

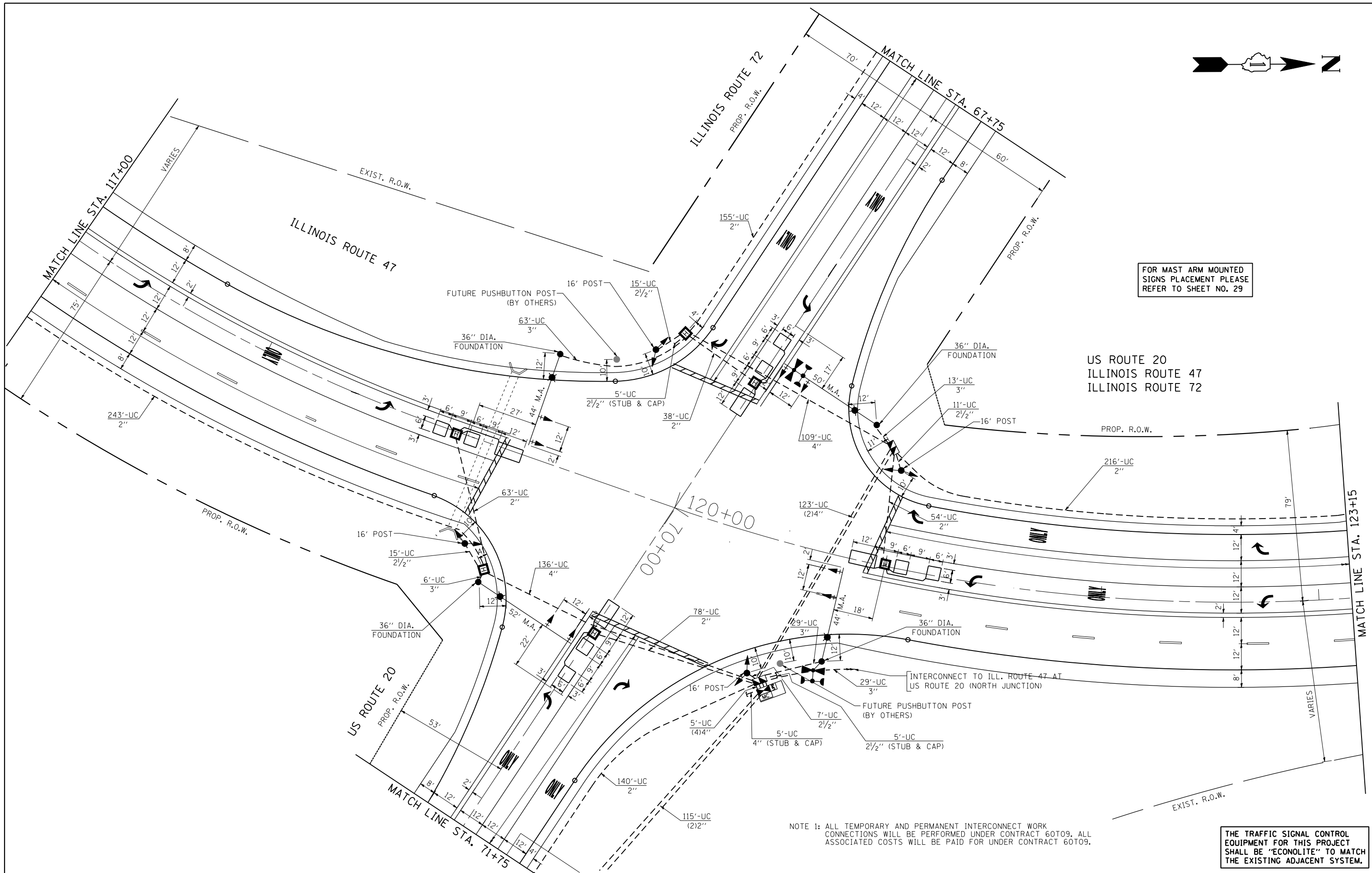
FILE NAME =	USER NAME = Esso	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60109 (south)\17-US 20 at IL	DRAWN 72 (South E Action).Temp.CO.dgn	REVISED -
	PLOT SCALE = 40.0000 "/ IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN AND TEMPORARY PHASE
DESIGNATION DIAGRAM ILLINOIS ROUTE 47 AT US
ROUTE 20 / ILLINOIS ROUTE 72 (SOUTH JUNCTION)**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	78
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FOR MAST ARM MOUNTED SIGNS PLACEMENT PLEASE REFER TO SHEET NO. 29

US ROUTE 20
ILLINOIS ROUTE 47
ILLINOIS ROUTE 72

NOTE 1: ALL TEMPORARY AND PERMANENT INTERCONNECT WORK CONNECTIONS WILL BE PERFORMED UNDER CONTRACT 60T09. ALL ASSOCIATED COSTS WILL BE PAID FOR UNDER CONTRACT 60T09.

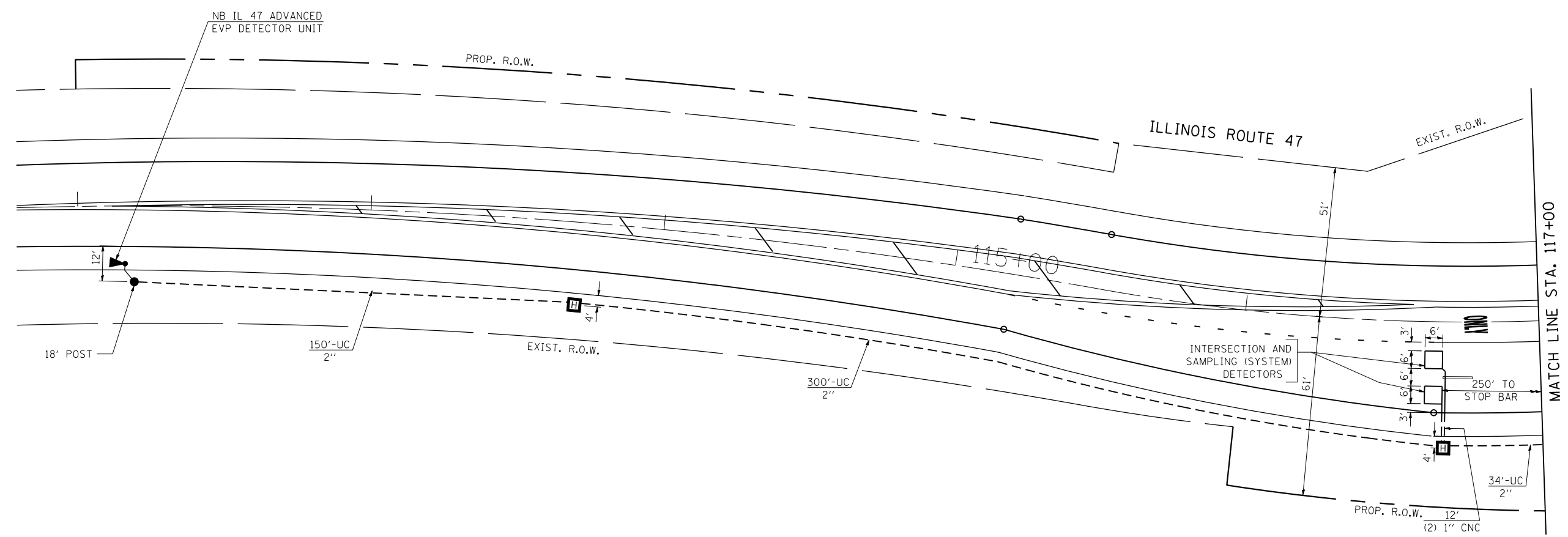
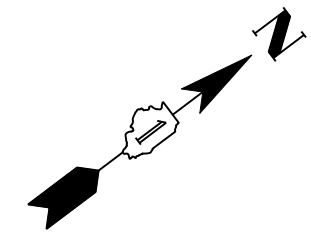
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t09 (south)\18_US 20 at IL	DRAWN 72 (South Junction).Intdgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL INSTALLATION PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72			
(SOUTH JUNCTION) (SHEET 1 OF 3)			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	79
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



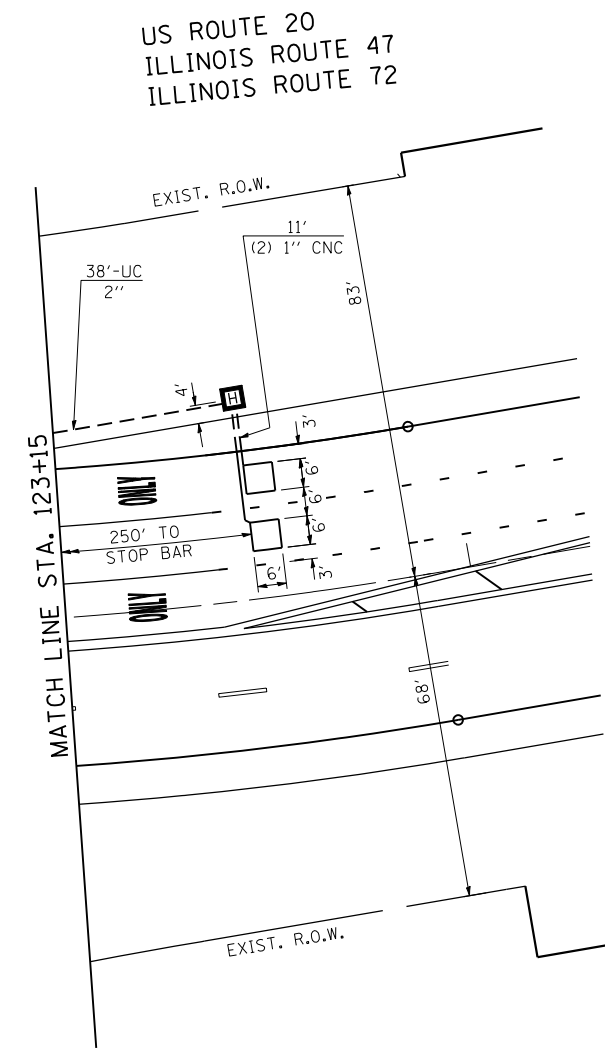
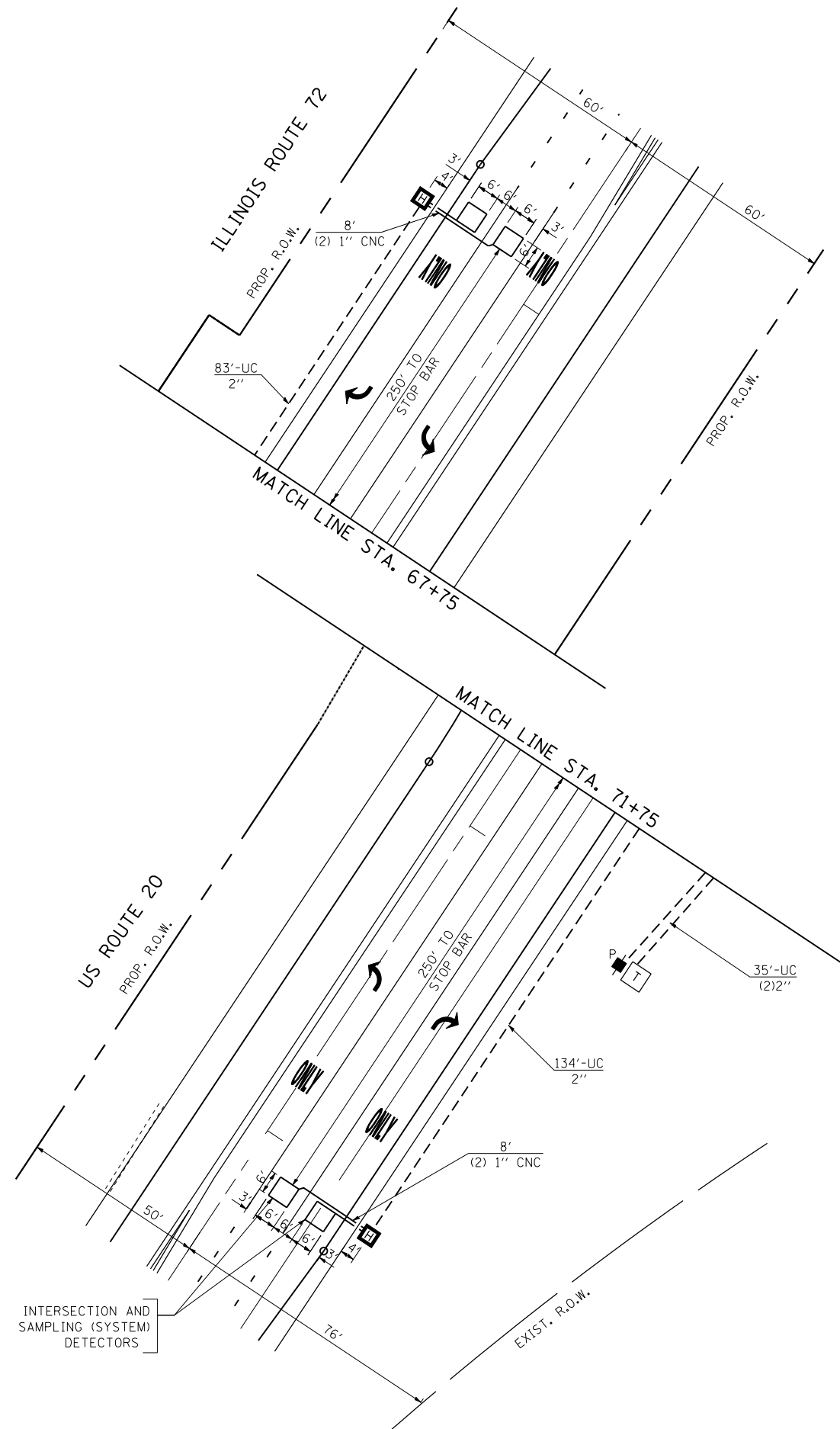
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	il 72\signals\60\09 (south)\19_US 20 at IL	DRAWN 72 (South Junction).Int.2.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL INSTALLATION PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72			
(SOUTH JUNCTION) (SHEET 2 OF 3)			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

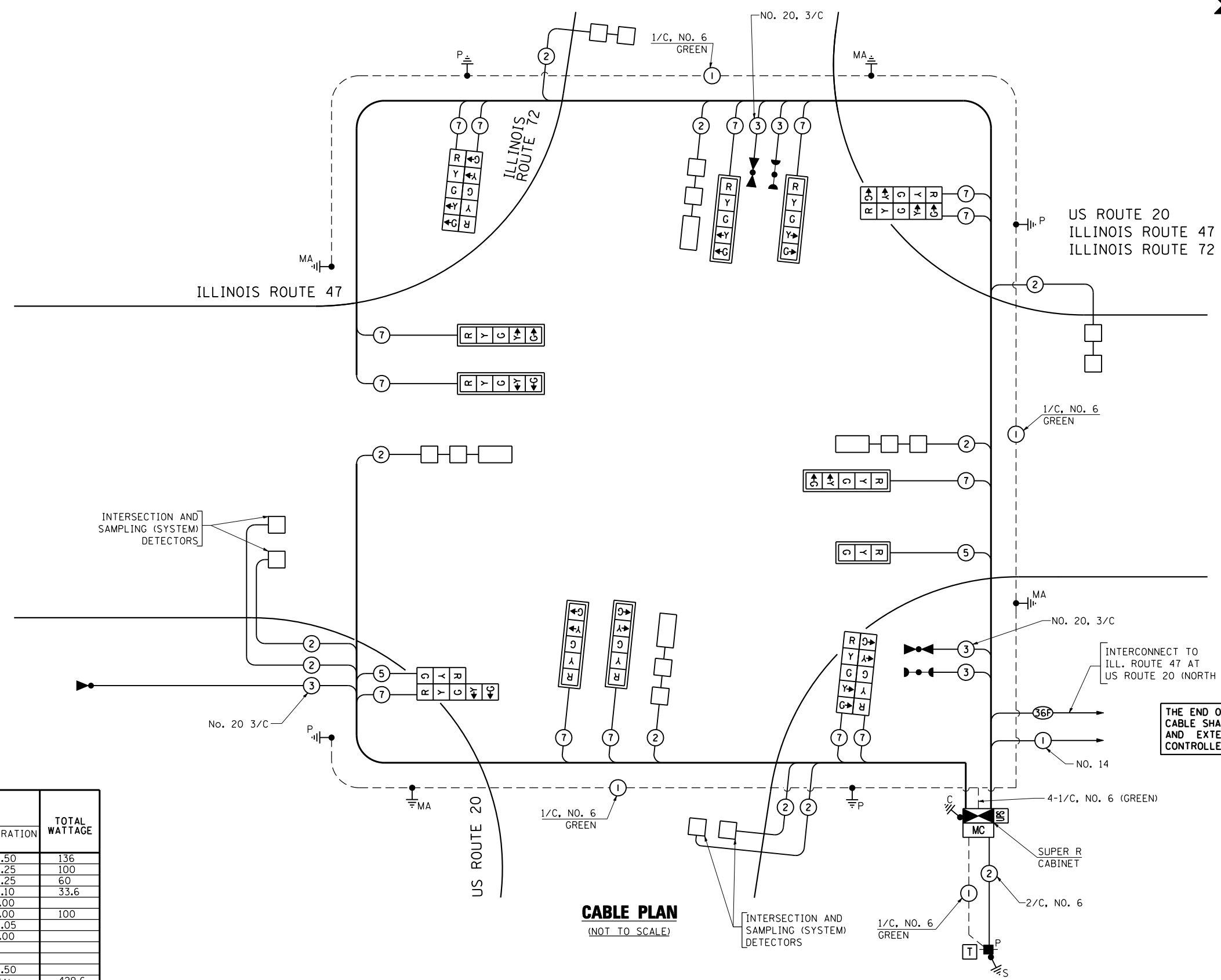
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	80
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = k:\projects\projects 2013\us 20 at il 47	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (SOUTH JUNCTION) (SHEET 3 OF 3)			F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 81
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60T09		
PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -						FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



CABLE PLAN
(NOT TO SCALE)

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	28		12	0.10	33.6
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
VIDEO SYSTEM		150		1.00	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 429.6
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: FRAN PIATKOWSKI PHONE: (815) 904-4031 COMPANY: COMMONWEALTH EDISON					

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\60109 (south)\21.US 20 at IL	DRAWN 72 (South Junction).CD.dgn	REVISED -
	PLOT SCALE = 40.0000 "/ IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

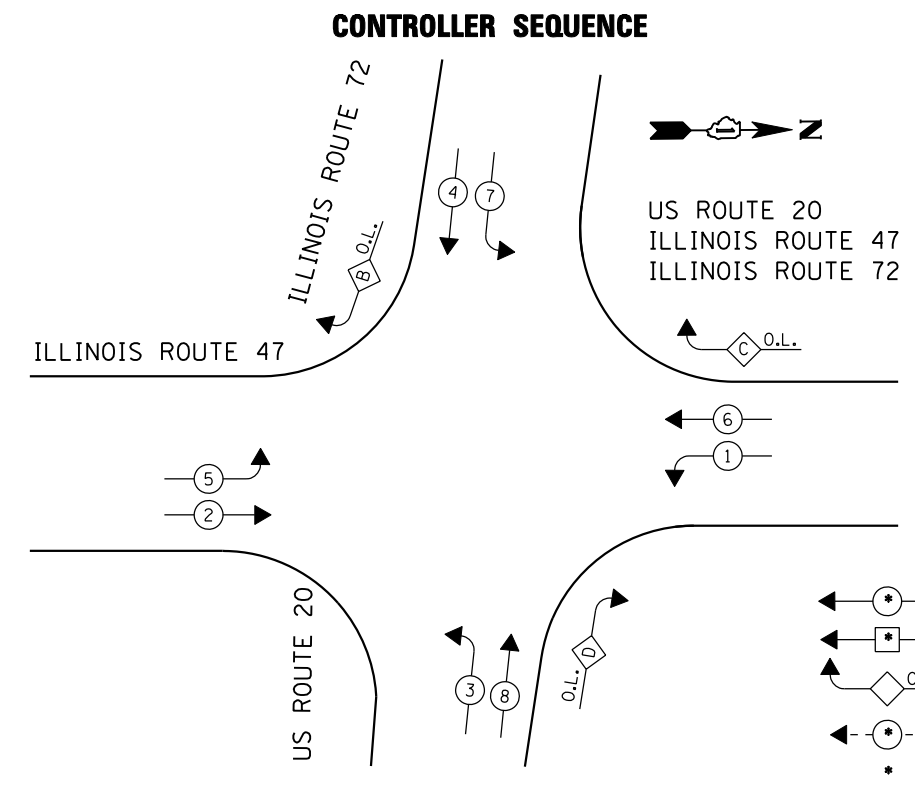
CABLE PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (SOUTH JUNCTION)			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	82
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

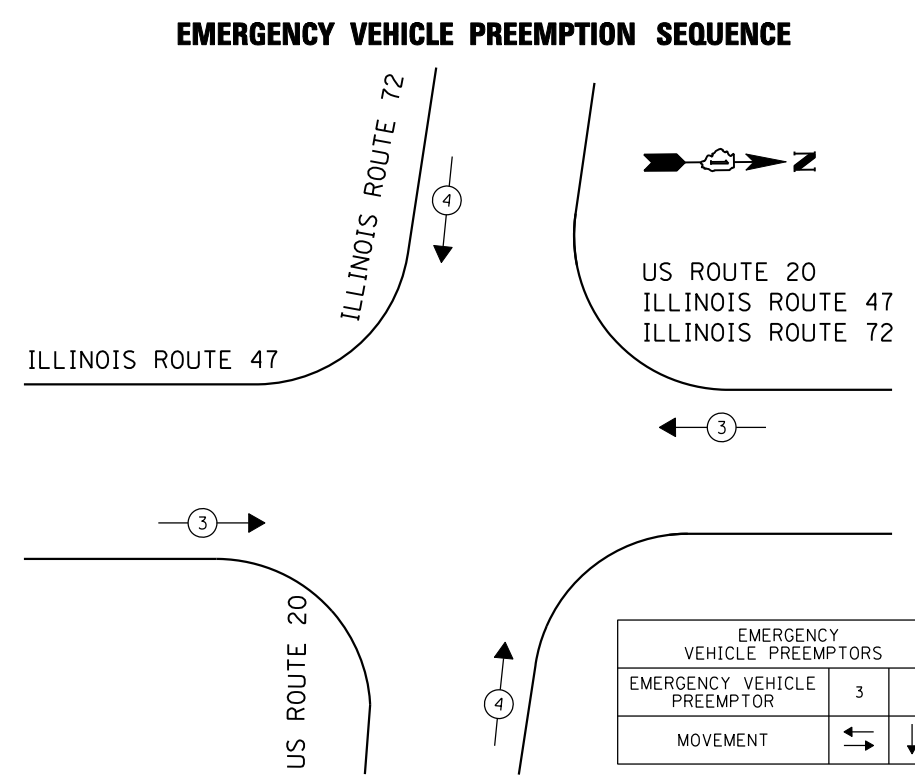
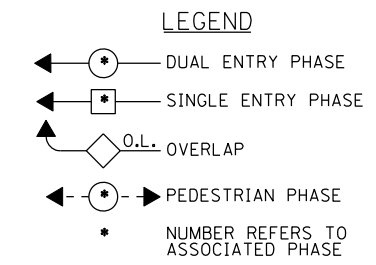
QUANTITY	UNIT	ITEM
9	SQ FT	SIGN PANEL - TYPE 1
78	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
2035	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
58	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
103	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
516	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
11	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER-FIBER OPTIC
• 313	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
305	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
3229	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3310	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
170	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
888	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
56	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
7	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
712	FOOT	DETECTOR LOOP, TYPE I
• 3	EACH	LIGHT DETECTOR
• 1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
• 1236	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
•• 1	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

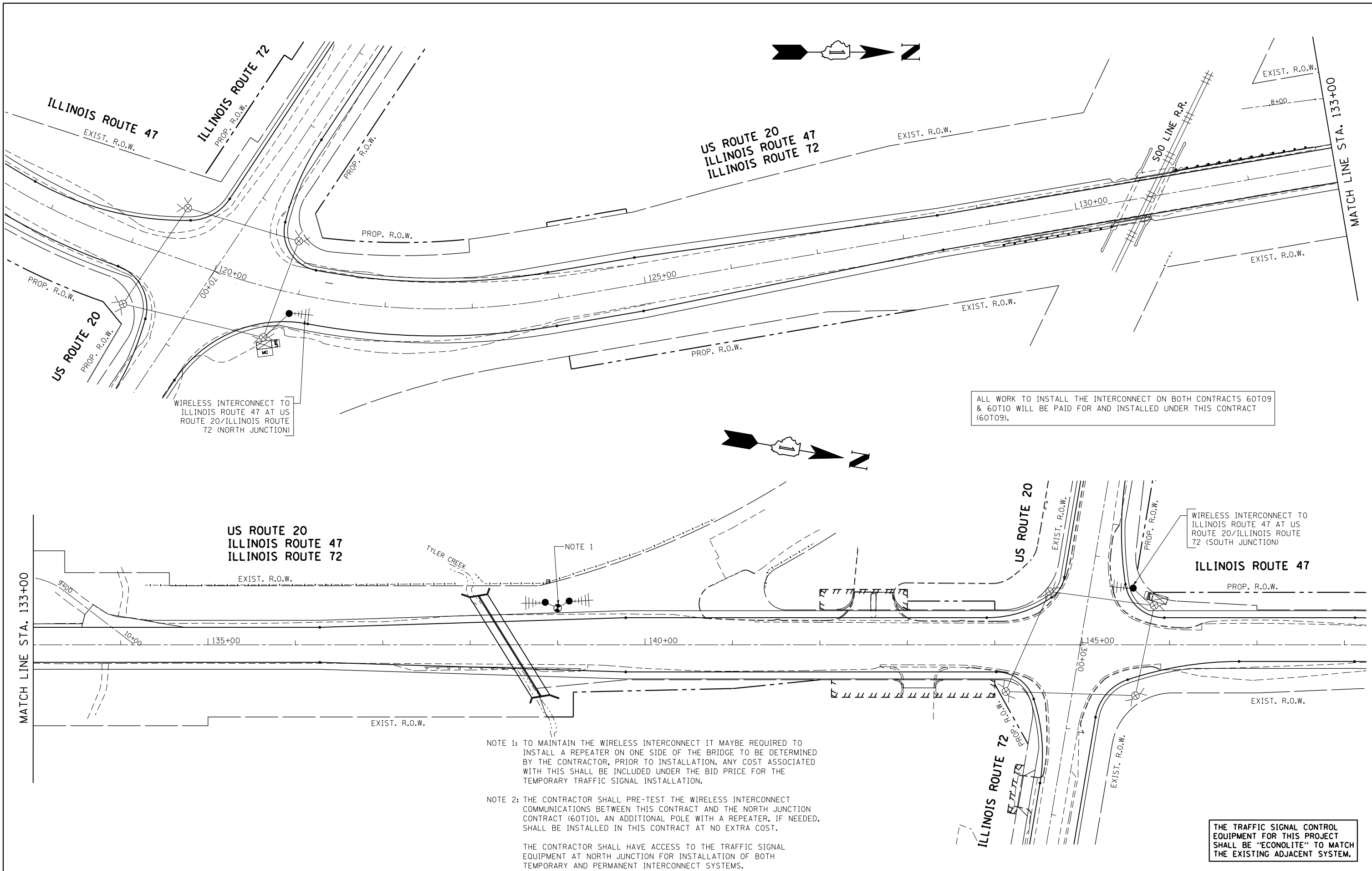
• 100% COST TO VILLAGE OF PINGREE GROVE
•• SUPER R CABINET



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4 + 5	
C	= 6 + 7	
D	= 8 + 1	





ALL WORK TO INSTALL THE INTERCONNECT ON BOTH CONTRACTS 60T09 & 60T10 WILL BE PAID FOR AND INSTALLED UNDER THIS CONTRACT (60T09).

NOTE 1: TO MAINTAIN THE WIRELESS INTERCONNECT IT MAYBE REQUIRED TO INSTALL A REPEATER ON ONE SIDE OF THE BRIDGE TO BE DETERMINED BY THE CONTRACTOR, PRIOR TO INSTALLATION. ANY COST ASSOCIATED WITH THIS SHALL BE INCLUDED UNDER THE BID PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE 2: THE CONTRACTOR SHALL PRE-TEST THE WIRELESS INTERCONNECT COMMUNICATIONS BETWEEN THIS CONTRACT AND THE NORTH JUNCTION CONTRACT (60T10). AN ADDITIONAL POLE WITH A REPEATER, IF NEEDED, SHALL BE INSTALLED IN THIS CONTRACT AT NO EXTRA COST.

THE CONTRACTOR SHALL HAVE ACCESS TO THE TRAFFIC SIGNAL EQUIPMENT AT NORTH JUNCTION FOR INSTALLATION OF BOTH TEMPORARY AND PERMANENT INTERCONNECT SYSTEMS.

WIRELESS INTERCONNECT TO ILLINOIS ROUTE 47 AT US ROUTE 20/ILLINOIS ROUTE 72 (SOUTH JUNCTION)

ILLINOIS ROUTE 47

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t09 (south)\23.US 20 at IL	DRAWN 72.Temp IEAconnect.dgn	REVISED -
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	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

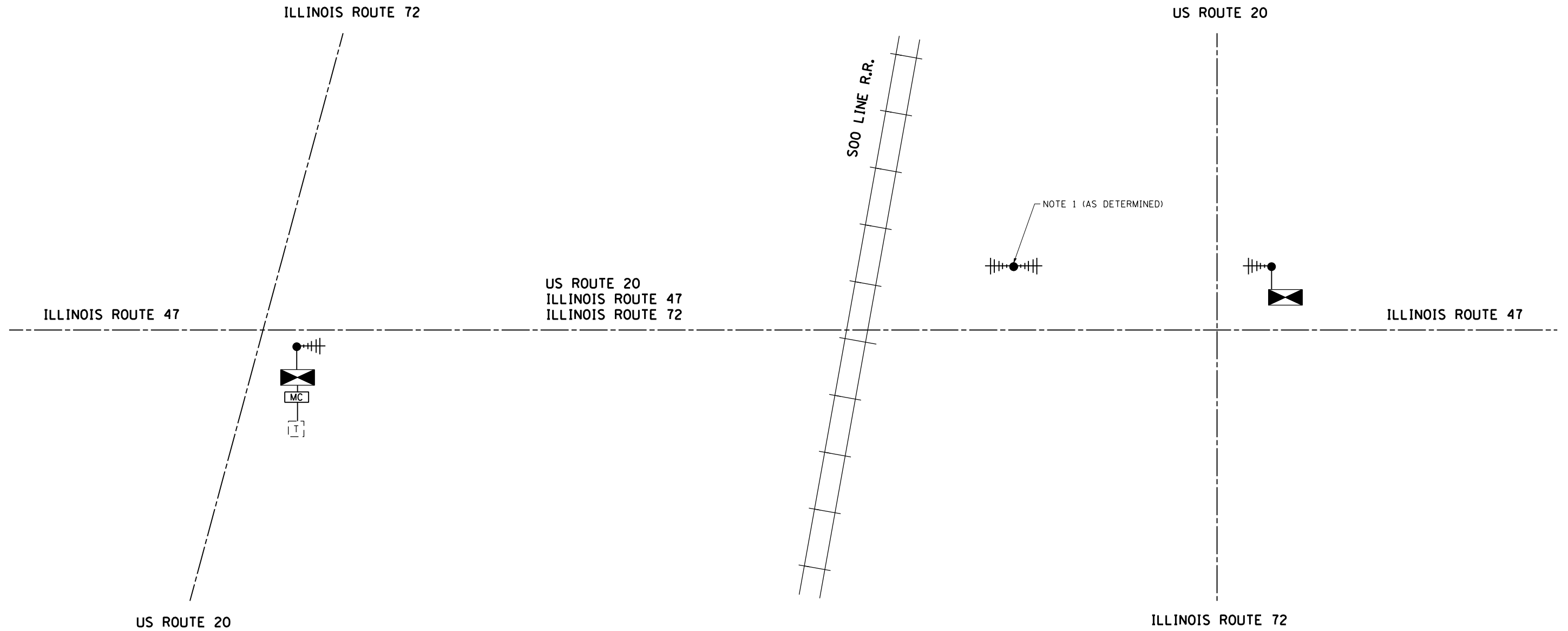
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY RADIO INTERCONNECT PLAN US ROUTE 20 / ILLINOIS ROUTE 47 / ILLINOIS ROUTE 72 SOUTH JUNCTION TO NORTH JUNCTION			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	84
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ALL WORK TO INSTALL THE INTERCONNECT ON BOTH CONTRACTS 60T09 & 60T10 WILL BE PAID FOR AND INSTALLED UNDER THIS CONTRACT (60T09).



NOTE 1: TO MAINTAIN THE WIRELESS INTERCONNECT IT MAYBE REQUIRED TO INSTALL A REPEATER ON ONE SIDE OF THE BRIDGE TO BE DETERMINED BY THE CONTRACTOR, PRIOR TO INSTALLATION. ANY COST ASSOCIATED WITH THIS SHALL BE INCLUDED UNDER THE BID PRICE FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

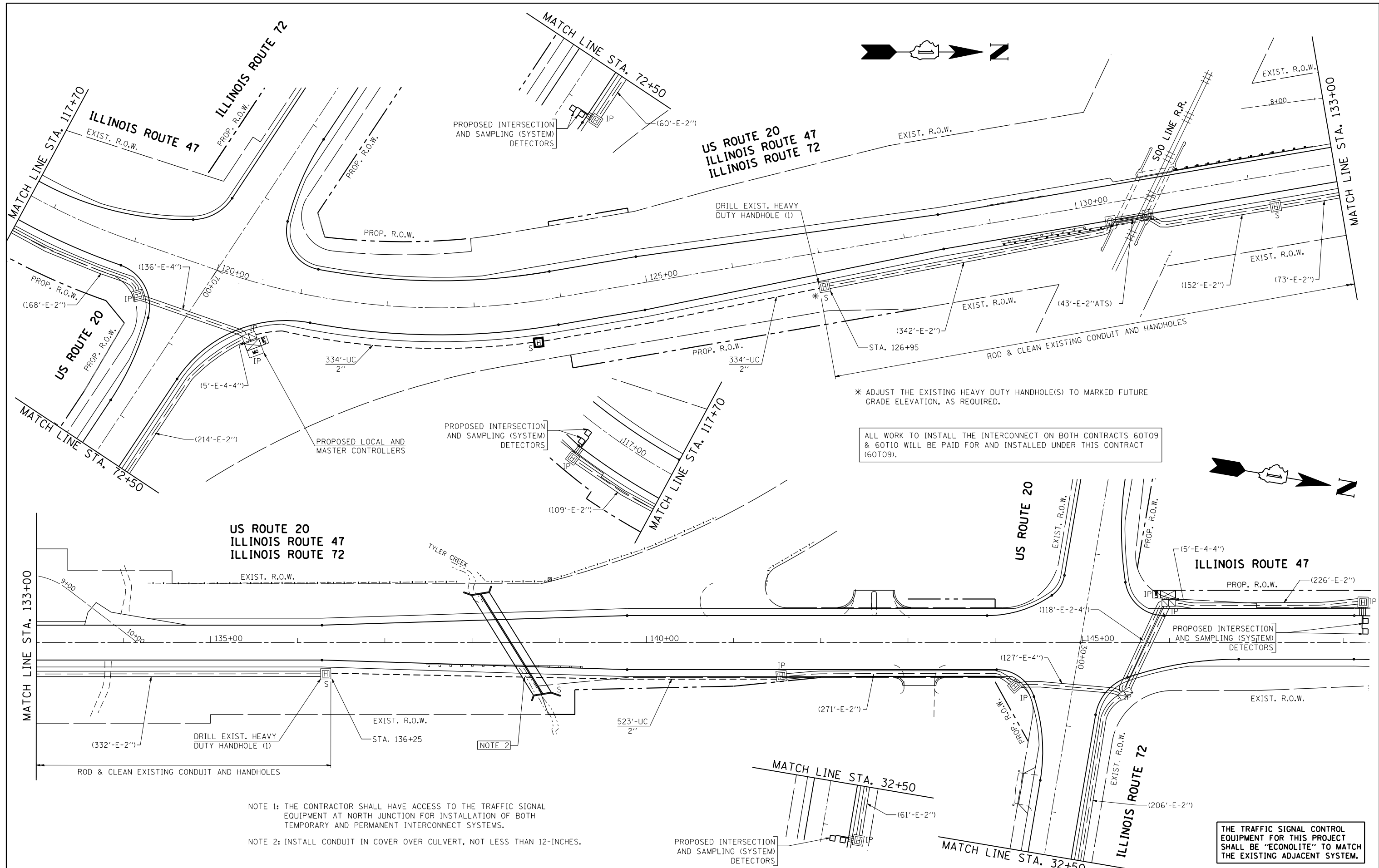
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t09 (south)\24-US 20 at IL	DRAWN 72.Temp.Schematic.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY RADIO INTERCONNECT SCHEMATIC US ROUTE 20 / ILLINOIS ROUTE 47 / ILLINOIS ROUTE 72 SOUTH JUNCTION TO NORTH JUNCTION			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	85
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



* ADJUST THE EXISTING HEAVY DUTY HANDHOLE(S) TO MARKED FUTURE GRADE ELEVATION, AS REQUIRED.

ALL WORK TO INSTALL THE INTERCONNECT ON BOTH CONTRACTS 60T09 & 60T10 WILL BE PAID FOR AND INSTALLED UNDER THIS CONTRACT (60T09).

US ROUTE 20
ILLINOIS ROUTE 47
ILLINOIS ROUTE 72

ILLINOIS ROUTE 47

NOTE 1: THE CONTRACTOR SHALL HAVE ACCESS TO THE TRAFFIC SIGNAL EQUIPMENT AT NORTH JUNCTION FOR INSTALLATION OF BOTH TEMPORARY AND PERMANENT INTERCONNECT SYSTEMS.

NOTE 2: INSTALL CONDUIT IN COVER OVER CULVERT, NOT LESS THAN 12-INCHES.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

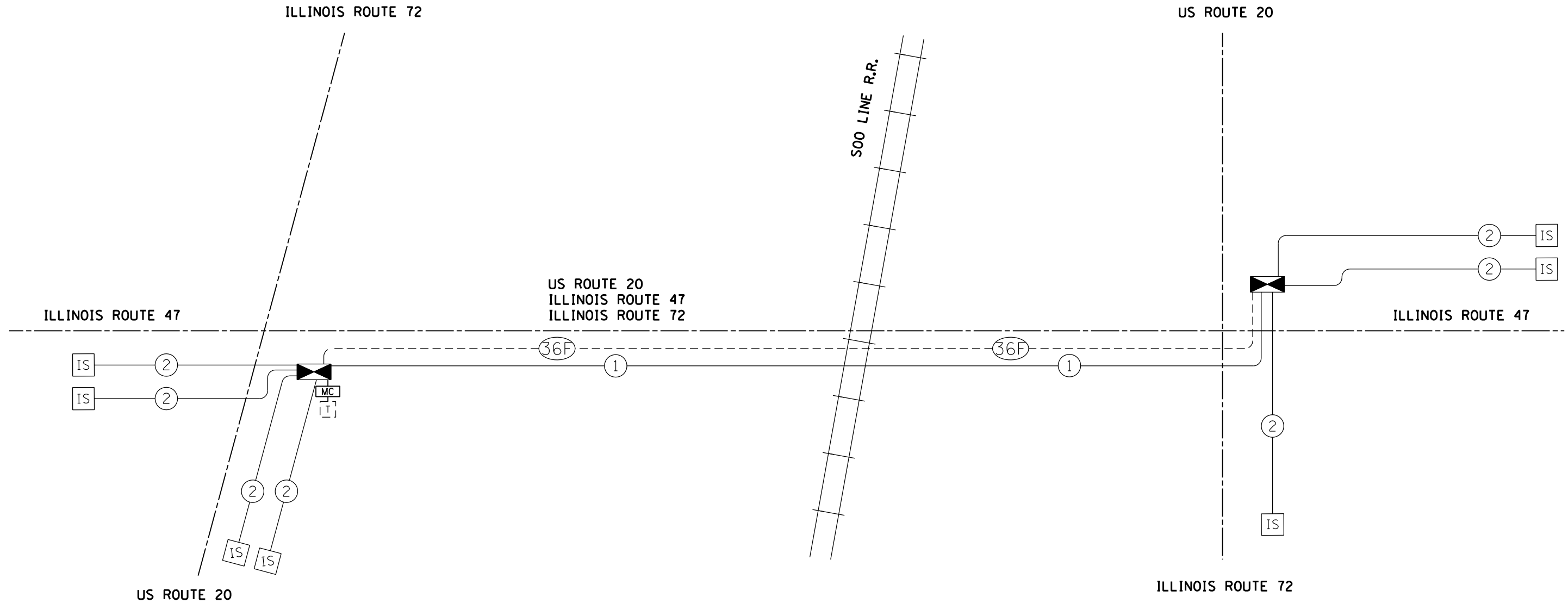
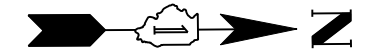
FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60T09 (south)\25.US 20 at IL	4\DRAWN 72.Interconnect.dgn	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - PKG	REVISOR -	REVISED -
PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISOR -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN
US ROUTE 20 / ILLINOIS ROUTE 47 / ILLINOIS ROUTE 72 SOUTH
JUNCTION TO NORTH JUNCTION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	86
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SCHEDULE OF INTERCONNECT QUANTITIES

QUANTITY	UNIT	ITEM
1191	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
1	EACH	HEAVY-DUTY HANDHOLE
2789	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C
2	EACH	DRILL EXISTING HEAVY DUTY HANDHOLE
2021	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
978	FOOT	ROD AND CLEAN EXISTING CONDUIT
1	EACH	HEAVY-DUTY HANDHOLE TO BE ADJUSTED
1	EACH	MASTER CONTROLLER (SPECIAL)
2815	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
2	EACH	CLEANING EXISTING MANHOLE OR HANDHOLE
1	EACH	OPTIMIZE TRAFFIC SIGNAL SYSTEM

ALL WORK TO INSTALL THE INTERCONNECT ON BOTH CONTRACTS 60T09 & 60T10 WILL BE PAID FOR AND INSTALLED UNDER THIS CONTRACT (60T09).

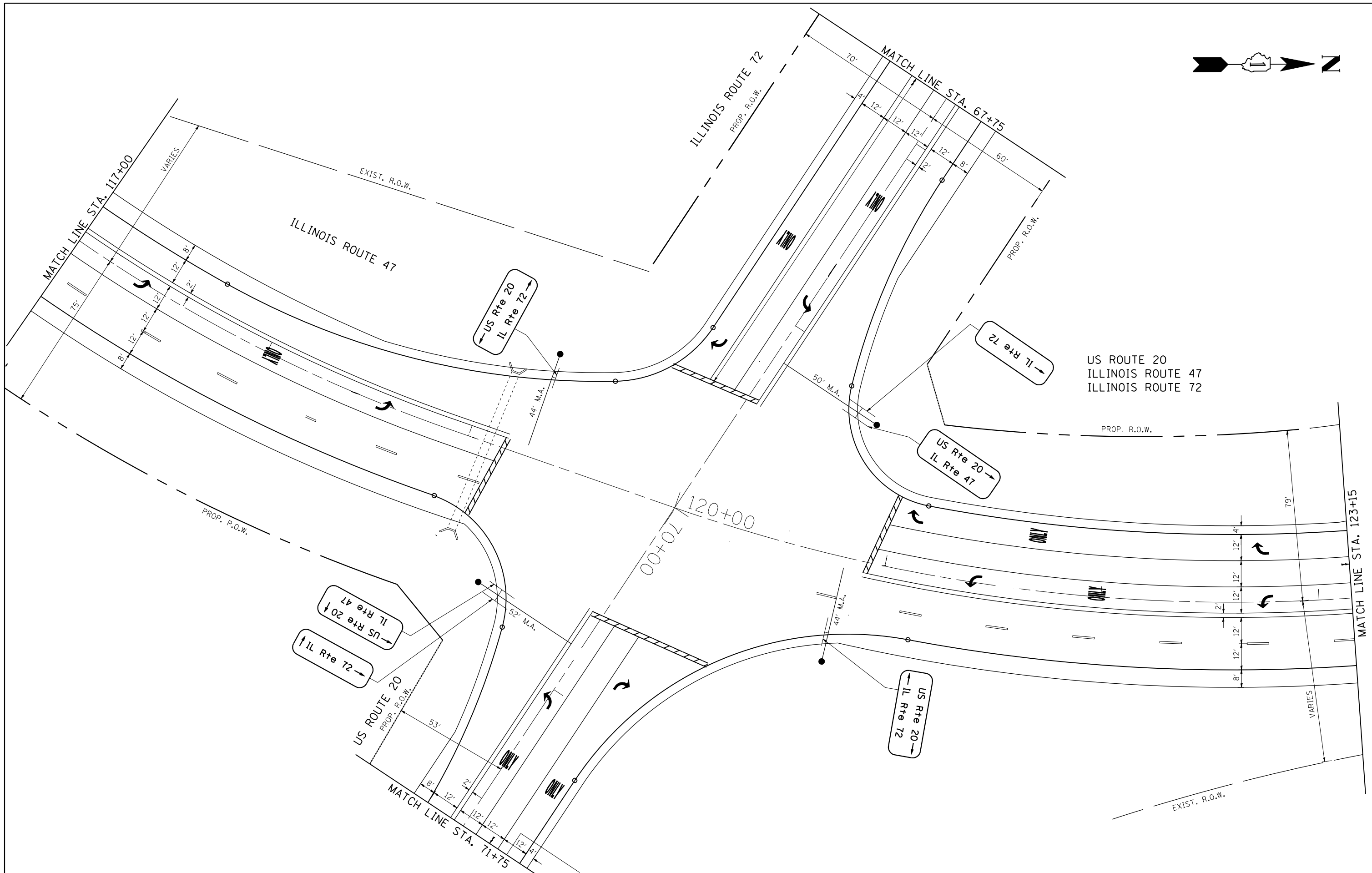
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
kt:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t09 (south)\26.US 20 at IL	DRAWN 72.Schema EA.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC US ROUTE 20 / ILLINOIS ROUTE 47 / ILLINOIS ROUTE 72 SOUTH JUNCTION TO NORTH JUNCTION			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	87
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED -
k:\projects\projects 2013\us 20 at il 47	il 72\signals\60\09 (south)\27-US 20 at IL	4 DRAWING 72 (South Junction).Int.Sign.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -














**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGN LOCATIONS
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72
(SOUTH JUNCTION)**

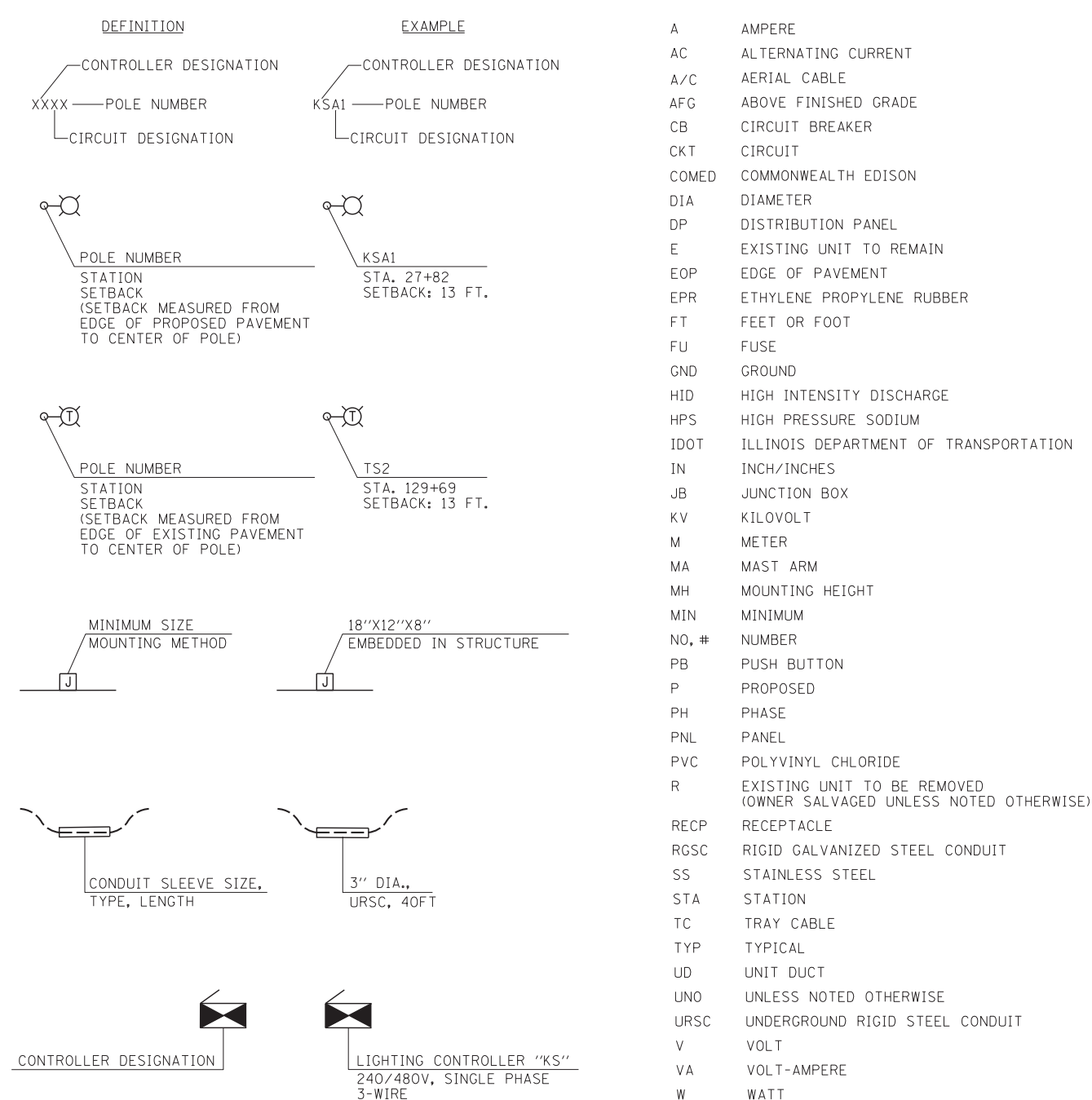
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	88
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

ELECTRICAL SYMBOLS

-  LIGHTING UNIT:
47.5 FT. M.H., 12 FT. DAVIT ARM,
310W 240V (PHASE TO NEUTRAL) HPS M-C-III
LUMINAIRE WITH 6 AMP FUSE, 9" BREAKAWAY
TRANSFORMER BASE MOUNTED ON CONCRETE
FOUNDATION
-  COMBINATION TRAFFIC SIGNAL AND
LIGHTING UNIT: LUMINAIRE ARM 15 FT.
AT 45 FT. MOUNTING HEIGHT, 310 WATT
LUMINAIRE, 240V (PHASE TO NEUTRAL),
HPS M-C-III, WITH 6 AMP FUSE
-  TEMPORARY LIGHTING UNIT:
60 FT. WOOD POLE, 47.5 FT. M.H.,
15 FT. M.A. AND 400W, 240V (PHASE
TO PHASE) HPS MC-III LUMINAIRE
-  UNIT DUCT
3 #4 & 1 #6 GND XLP-TYPE USE IN 1/4" DIA.
SCHEDULE 40 POLYETHYLENE DUCT,
UNLESS NOTED OTHERWISE
-  AERIAL CABLE
3-1/C NO. 2 WITH MESSENGER
-  LIGHTING CONTROLLER CABINET
-  EXISTING UTILITY POLE
-  GROUND ROD
-  UNIT DUCT INSTALLED IN CONDUIT
SLEEVE UNDER PAVEMENT
-  ELECTRIC UTILITY SERVICE
-  EXISTING LIGHTING UNIT
TO BE REMOVED AND SALVAGED
-  EXISTING LIGHTING CONTROLLER
CABINET TO BE REMOVED AND SALVAGED
-  TEMPORARY WOOD POLE
40 FT.

CALL-OUT SAMPLES



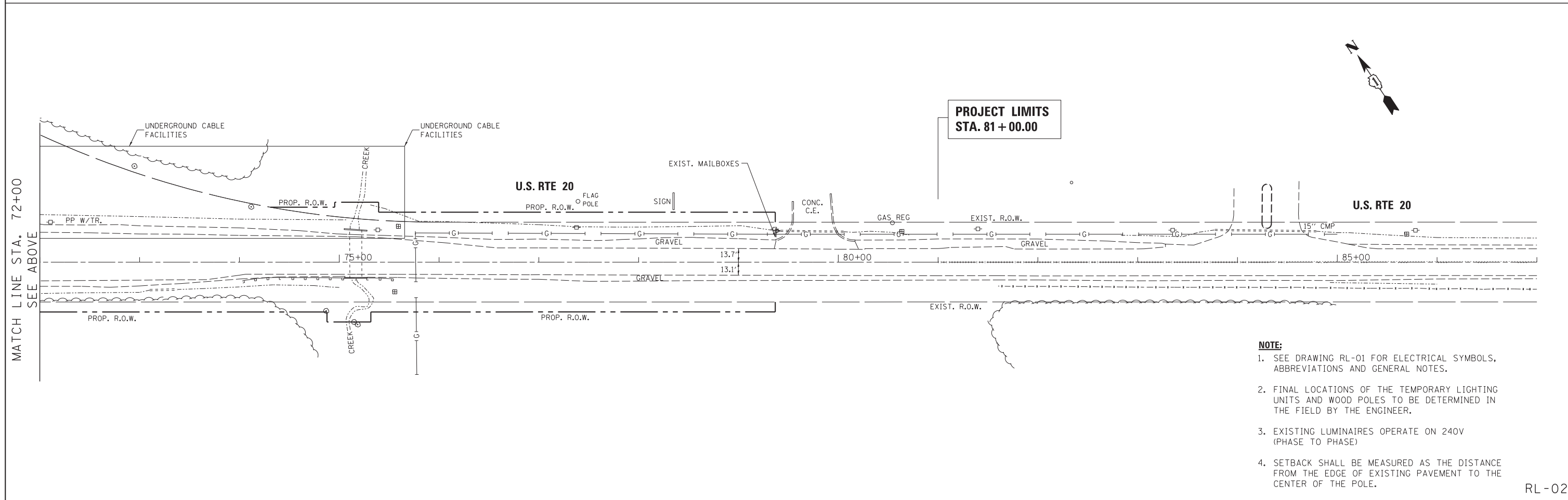
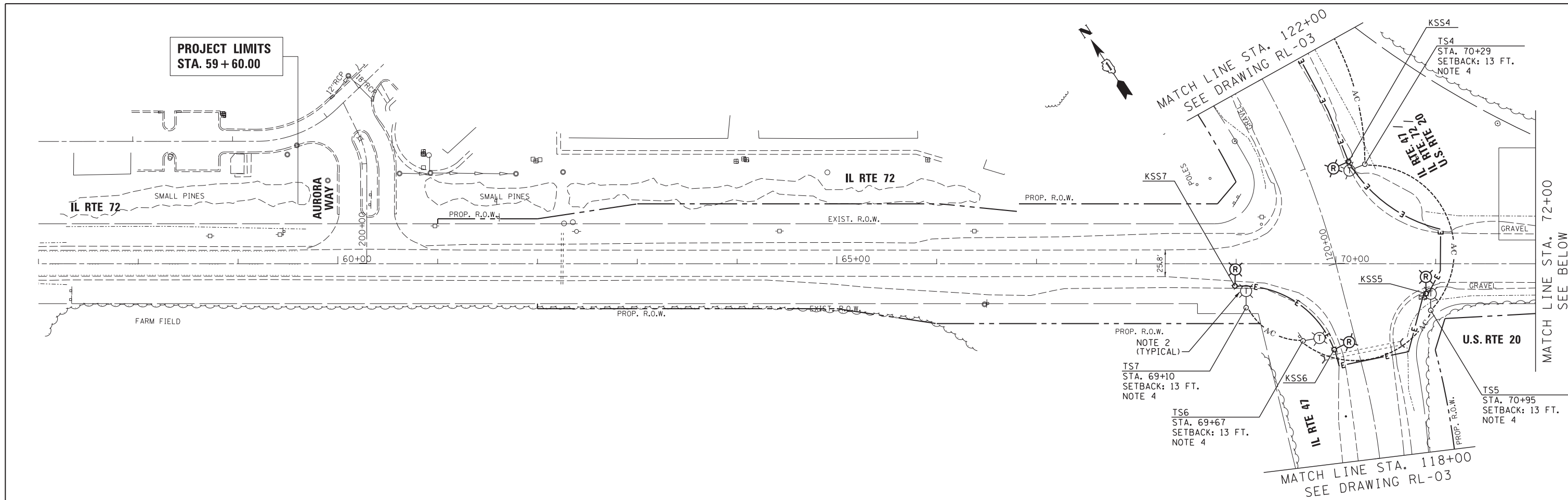
ABBREVIATIONS

- A AMPERE
- AC ALTERNATING CURRENT
- A/C AERIAL CABLE
- AFG ABOVE FINISHED GRADE
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- COMED COMMONWEALTH EDISON
- DIA DIAMETER
- DP DISTRIBUTION PANEL
- E EXISTING UNIT TO REMAIN
- EOP EDGE OF PAVEMENT
- EPR ETHYLENE PROPYLENE RUBBER
- FT FEET OR FOOT
- FU FUSE
- GND GROUND
- HID HIGH INTENSITY DISCHARGE
- HPS HIGH PRESSURE SODIUM
- IDOT ILLINOIS DEPARTMENT OF TRANSPORTATION
- IN INCH/INCHES
- JB JUNCTION BOX
- KV KILOVOLT
- M METER
- MA MAST ARM
- MH MOUNTING HEIGHT
- MIN MINIMUM
- NO, # NUMBER
- PB PUSH BUTTON
- P PROPOSED
- PH PHASE
- PNL PANEL
- PVC POLYVINYL CHLORIDE
- R EXISTING UNIT TO BE REMOVED (OWNER SALVAGED UNLESS NOTED OTHERWISE)
- RECP RECEPTACLE
- RGSC RIGID GALVANIZED STEEL CONDUIT
- SS STAINLESS STEEL
- STA STATION
- TC TRAY CABLE
- TYP TYPICAL
- UD UNIT DUCT
- UNO UNLESS NOTED OTHERWISE
- URSC UNDERGROUND RIGID STEEL CONDUIT
- V VOLT
- VA VOLT-AMPERE
- W WATT
- WP WEATHERPROOF
- XFMR TRANSFORMER

GENERAL NOTES

1. THE EXISTING ROADWAY LIGHTING SYSTEM, WHICH INCLUDES TEMPORARY LIGHTING, SHALL REMAIN IN OPERATION UNTIL THE PROPOSED ROADWAY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER.
2. THE LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUE SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO STARTING CONSTRUCTION AND ORDERING MATERIALS.
4. THE IDOT HIGHWAY STANDARDS LATEST REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
5. CONDUITS, UNIT DUCTS, HANDHOLES, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMATICALLY. THE CONTRACTOR SHALL MARK THE FINAL LOCATION OF ALL PROPOSED EQUIPMENT IN THE FIELD FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
6. CONDUITS, UNIT DUCTS, HANDHOLES, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH DRAINS AND ALL OTHER UTILITIES, BOTH UNDERGROUND AND ABOVE GROUND.
7. THE CABLE INSTALLATION FROM THE LIGHTING CONTROL CABINET TO THE LIGHT STANDARDS SHALL BE CONTINUOUS WITHOUT UNDERGROUND SPLICES. SPLICING OF CABLES IS PERMITTED ONLY IN THE HANDHOLES OF THE LIGHT POLES AND IN ABOVE GROUND JUNCTION BOXES.
8. LOCATIONS OF THE CONDUIT SLEEVE CROSSINGS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED WITH THE ENGINEER'S APPROVAL TO MEET THE MINIMUM CLEARANCE REQUIREMENTS AND TO AVOID CONFLICTS.
9. CONDUIT SLEEVES ROUTED UNDER PAVEMENT SHALL EXTEND A MINIMUM OF 2 FEET BEYOND THE SHOULDER, CURB, AND/OR GUARD RAIL AND SHALL BE INSTALLED A MINIMUM OF 45 INCHES BELOW FINISHED GRADE TO AVOID CONFLICTS WITH THE UNDER DRAINS. THE SLEEVES SHALL BE INSTALLED DEEPER IF REQUIRED TO AVOID CONFLICTS WITH OTHER UTILITIES AND DRAINAGE STRUCTURES AT NO ADDITIONAL COST TO IDOT.
10. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRICAL SERVICE WORK.
11. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX, PULL BOX, LIGHT POLE AND CONTROLLER CABINET THROUGH WHICH THE CONDUCTORS ARE ROUTED. JUNCTION BOXES AND PULL BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR TERMINATION OF THE GROUND WIRE. THE GROUND LUG INSTALLATION SHALL NOT DEGRADE THE JUNCTION BOX RATING.
12. PROPOSED LIGHT POLES SHALL BE INSTALLED WITH A BREAKAWAY DEVICE.
13. THE EXISTING LIGHT POLES, CONTROLLER AND OTHER EQUIPMENT SHALL BE SALVAGED TO IDOT DISTRICT 1.

FILE NAME =	USER NAME = *USER*	DESIGNED - WDS	REVISED - 4/25/2014 WDS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES U.S. RTE 20 (SOUTH JUNCTION)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILES		DRAWN - HA	REVISED -					345	106-S-N-2	KANE	147	92	
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MODELNAME	PLOT DATE = *DATE*	DATE - 3/28/2014	REVISED -		CONTRACT NO. 60T09								



- NOTE:**
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
 - FINAL LOCATIONS OF THE TEMPORARY LIGHTING UNITS AND WOOD POLES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - EXISTING LUMINAIRES OPERATE ON 240V (PHASE TO PHASE)
 - SETBACK SHALL BE MEASURED AS THE DISTANCE FROM THE EDGE OF EXISTING PAVEMENT TO THE CENTER OF THE POLE.

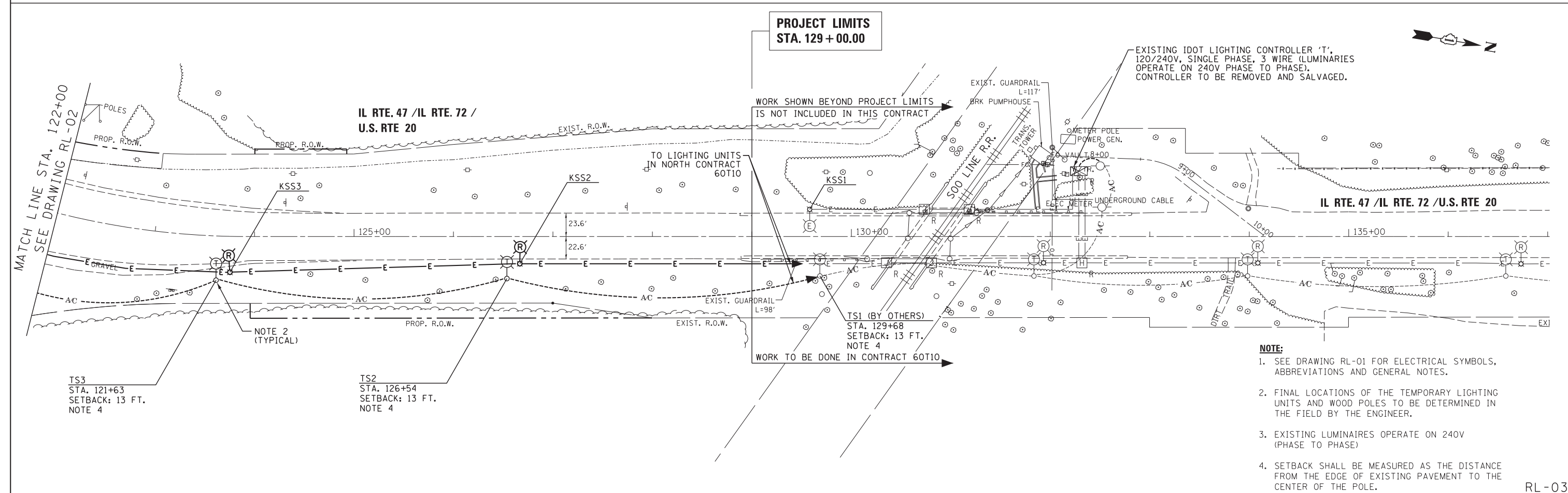
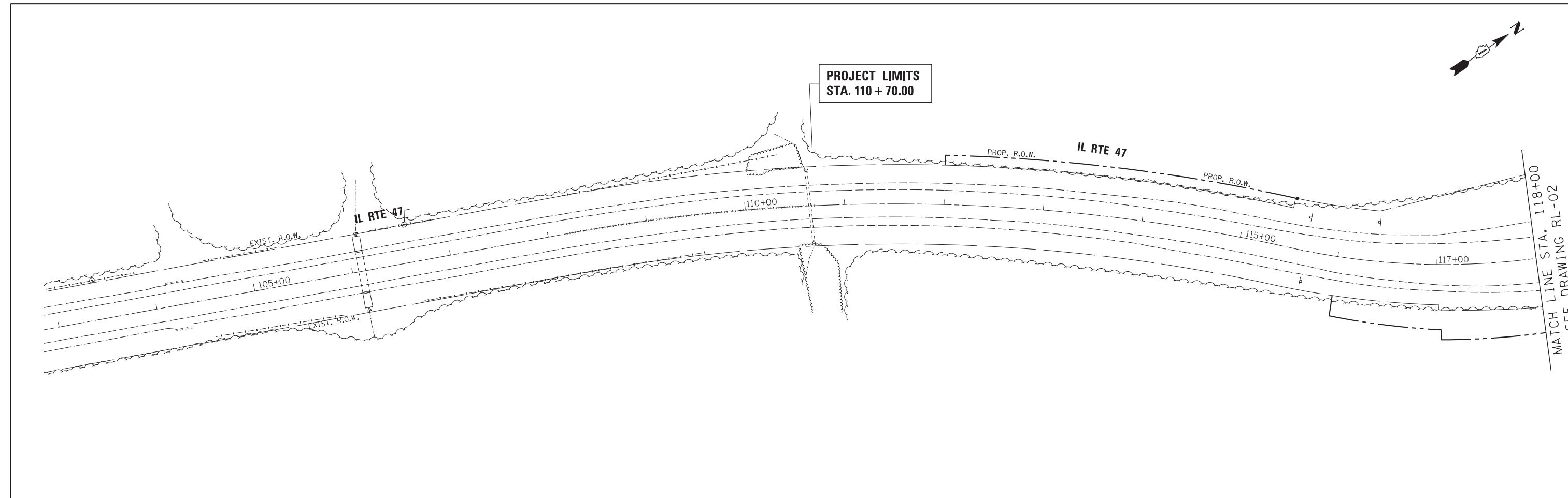
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	PLOT DATE = *DATE*	CHECKED - WDS	REVISED -
		DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING/TEMPORARY LIGHTING AND DEMOLITION PLAN			
U.S. RTE 20 (SOUTH JUNCTION)			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	93
			CONTRACT NO. 60T09	
ILLINOIS FED. AID PROJECT				

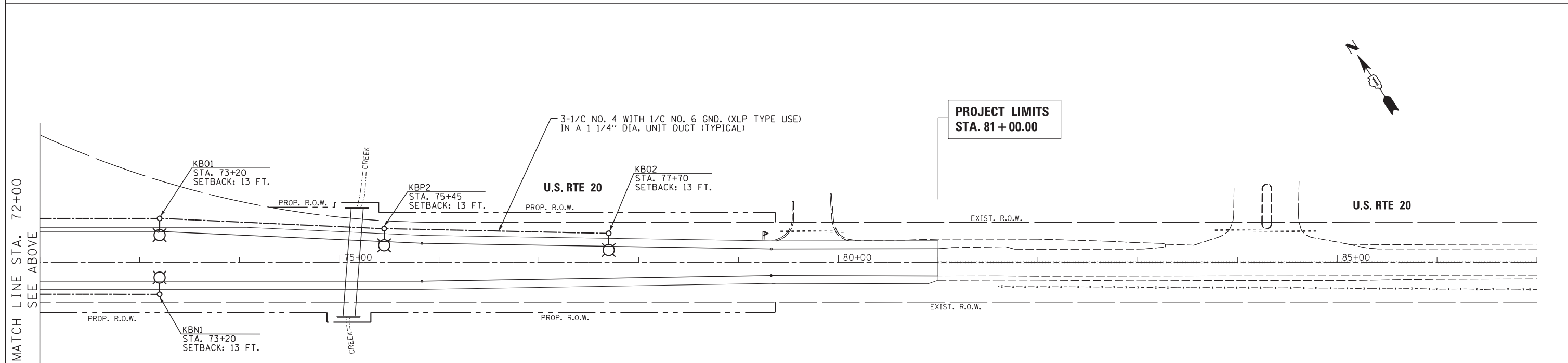
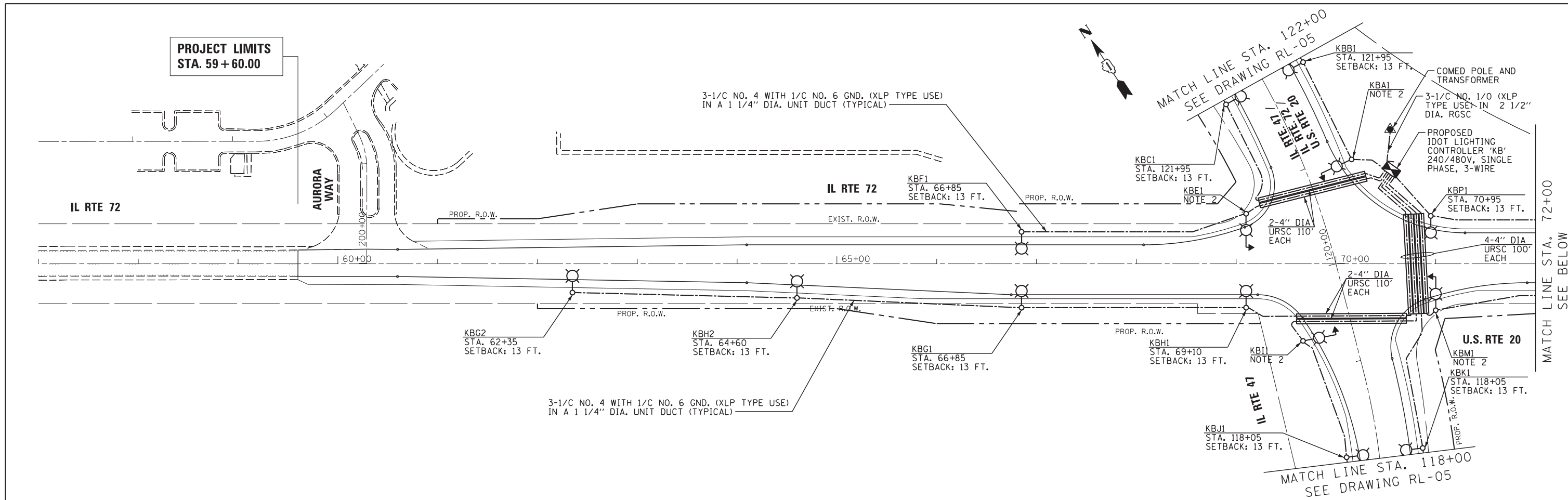
RL-02



- NOTE:**
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
 - FINAL LOCATIONS OF THE TEMPORARY LIGHTING UNITS AND WOOD POLES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - EXISTING LUMINARIES OPERATE ON 240V (PHASE TO PHASE)
 - SETBACK SHALL BE MEASURED AS THE DISTANCE FROM THE EDGE OF EXISTING PAVEMENT TO THE CENTER OF THE POLE.

FILE NAME = *FILES*	USER NAME = *USER*	DESIGNED - WDS	REVISED - 4/25/2014 WDS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING/TEMPORARY LIGHTING AND DEMOLITION PLAN U.S. RTE 20 (SOUTH JUNCTION)			F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 94
MODELNAME	PLOT SCALE = *SCALE*	CHECKED - WDS	REVISED -		SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 60T09		
	PLOT DATE = *DATE*	DATE - 3/28/2014	REVISED -		ILLINOIS FED. AID PROJECT							







RL-03

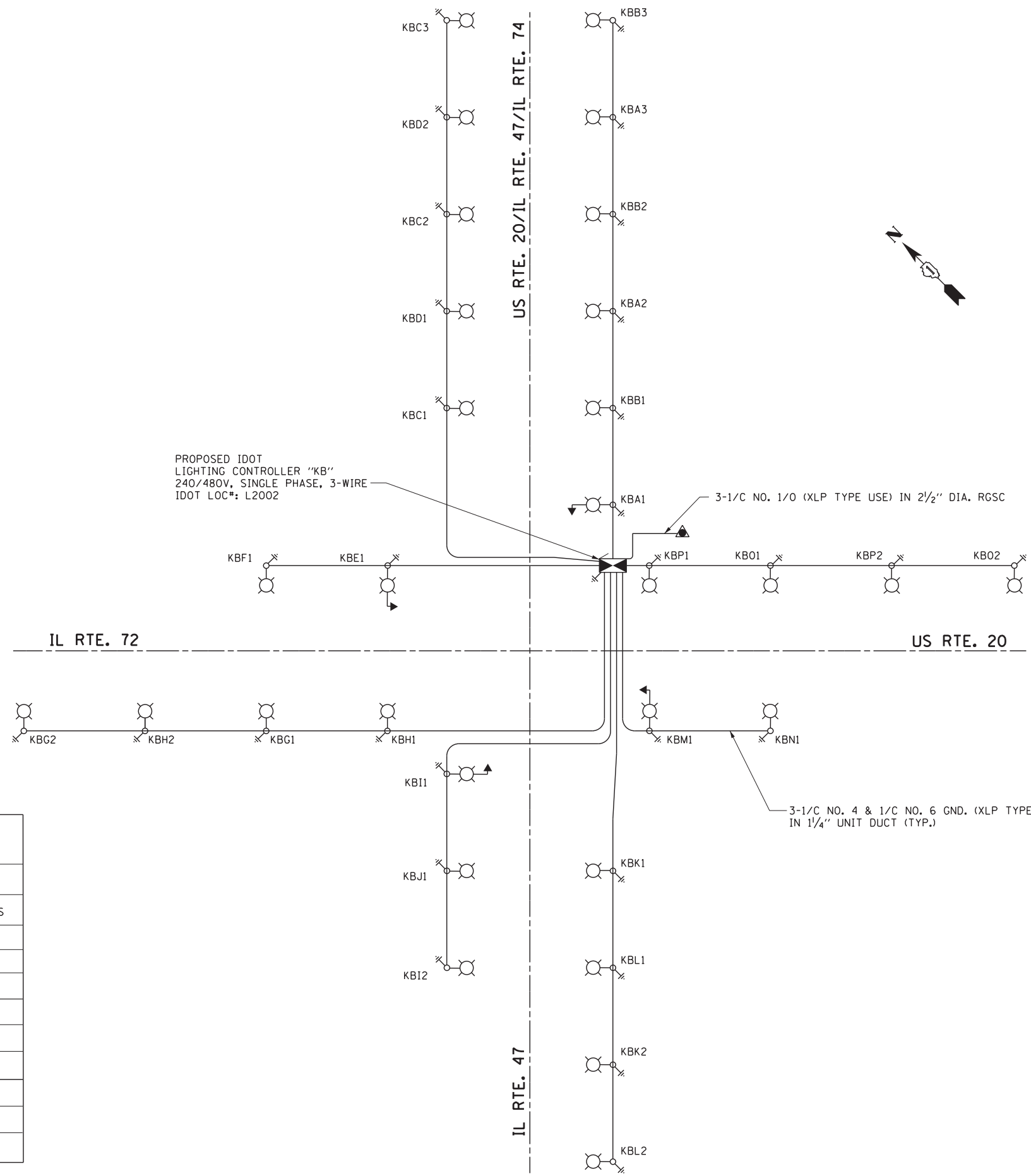


- NOTE:**
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
 - SEE THE TRAFFIC SIGNAL PLANS FOR THE LOCATION OF THE COMBINATION POLES.

FILE NAME = *FILES*	USER NAME = *USER*	DESIGNED - WDS	REVISED - 4/25/2014 WDS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN U.S. RTE 20 (SOUTH JUNCTION)			F.A.P. RTE. 345	SECTION 106-S-N-2	COUNTY KANE	TOTAL SHEETS 147	SHEET NO. 95	
MODELNAME	PLOT SCALE = *SCALE*	CHECKED - WDS	REVISED -		SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = *DATE*	DATE - 3/28/2014	REVISED -										
RL-04													

ELECTRICAL SYMBOLS

-  LIGHTING UNIT:
47.5 FT. M.H., 12 FT. DAVIT ARM,
310W 240V (PHASE TO NEUTRAL) HPS M-C-III
LUMINAIRE WITH 6 AMP FUSE, 9" BREAKAWAY
TRANSFORMER BASE MOUNTED ON CONCRETE
FOUNDATION
-  COMBINATION TRAFFIC SIGNAL AND
LIGHTING UNIT: LUMINAIRE ARM 15 FT.
AT 45 FT. MOUNTING HEIGHT, 310 WATT
LUMINAIRE, 240V (PHASE TO NEUTRAL),
HPS M-C-III, WITH 6 AMP FUSE
-  LIGHTING CONTROLLER CABINET
240/480V, 1PH, 3 WIRE
-  GROUND ROD
-  ELECTRIC UTILITY SERVICE
-  UNIT DUCT
3 #4 & 1 #6 GND XLP-TYPE USE IN 1/4" DIA.
SCHEDULE 40 POLYETHYLENE DUCT,
UNLESS NOTED OTHERWISE



**LOAD TABLE
LIGHTING CONTROLLER "KB"
240/480V, 1PH, 3 WIRE**

RED PHASE			BLACK PHASE		
CIRCUIT	AMPERES @ 240V	WATTS	CIRCUIT	AMPERES @ 240V	WATTS
A	5.0	1200	B	5.0	1200
C	5.0	1200	D	3.4	816
E	1.7	408	F	1.7	408
G	3.4	816	H	3.4	816
I	3.4	816	J	1.7	408
K	3.4	816	L	3.4	816
M	1.7	408	N	1.7	408
O	3.4	816	P	3.4	816
S	0	0	T	0	0

TOTAL LOAD=16,992 WATTS

FILE NAME =	USER NAME = *USER*	DESIGNED - WDS	REVISED - 4/25/2014 WDS
FILES		DRAWN - HA	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - WDS	REVISED -
MODELNAME	PLOT DATE = *DATE*	DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING CONTROLLER 'KB' - SINGLE LINE DIAGRAM
U.S. RTE 20 (SOUTH JUNCTION)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	97
CONTRACT NO. 60T09				
ILLINOIS FED. AID PROJECT				

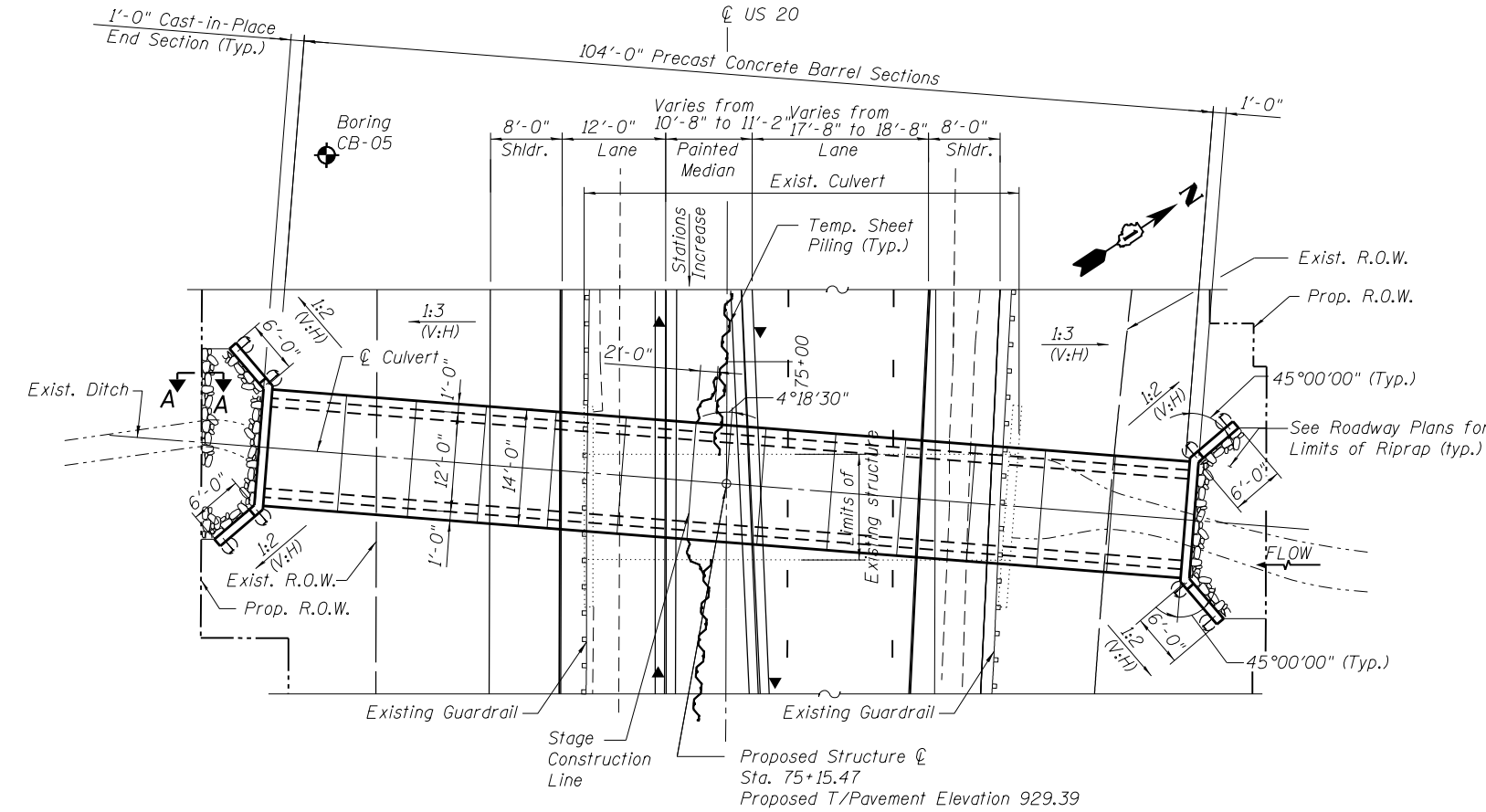
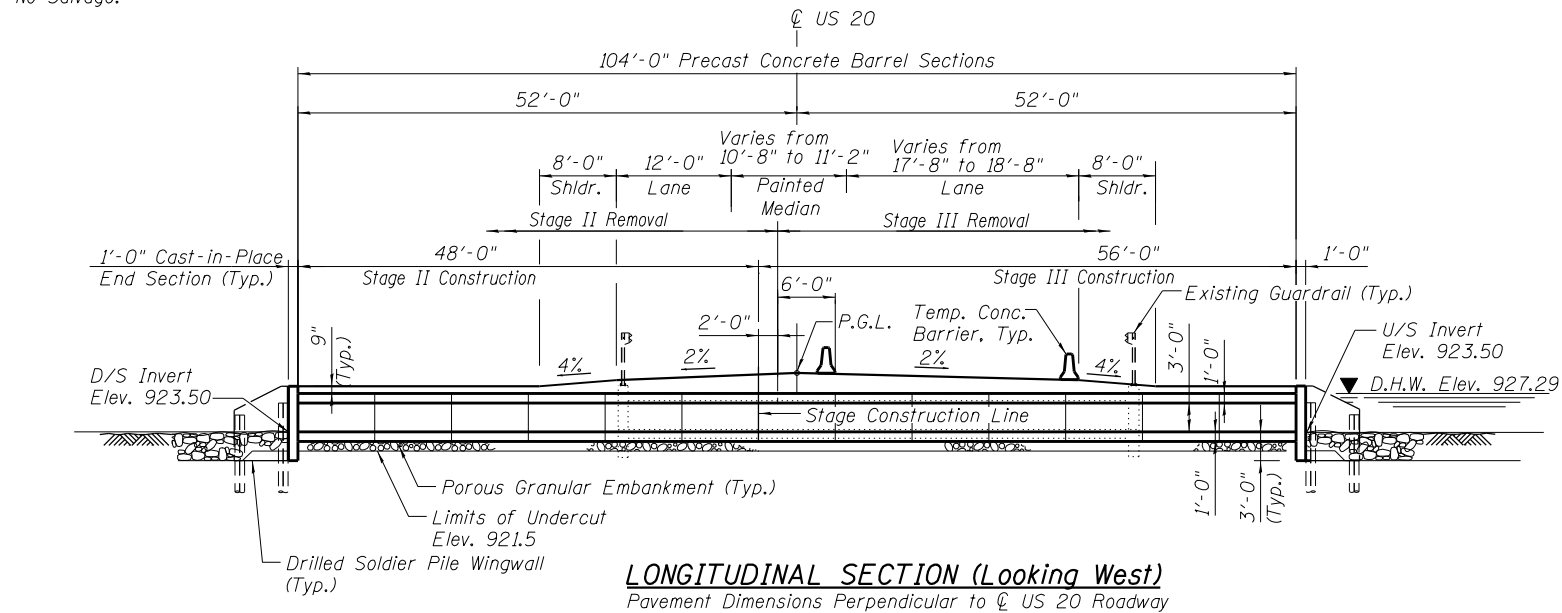
Bench Mark: BM #2 Set at Sta. 71+61.8, Elev 931.030. Spike in the northwesterly face of 32-inch tree at the northeast corner of U.S. Route 20 and IL Route 47 ±110' foot north of utility pole w/ transformer.

Existing Structure: SN 045-0251 was built as part of US Route 20, Section 106-S-N-2. The structure is a single cell cast-in-place concrete box culvert approximately 12 feet in length and 55 feet in width. The structure is not skewed to the roadway centerline and carries two 12-foot traffic lanes and two 6-foot shoulders. Structure to be removed and replaced. Traffic to be maintained utilizing stage construction.

No Salvage.

WATERWAY INFORMATION

Drainage Area = 1.06 Sq. Mi.		Existing Low Grade Elev. = 929.3 ft. @ Sta. 75+00		Proposed Low Grade Elev. = 929.3 ft. @ Sta. 75+00						
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.		
Design	10	131	35.6	35.9	926.41	0.06	0.08	926.47	926.49	
Base	100	434	36.0	36.0	927.29	1.07	0.93	928.36	928.22	
Overtopping	N/A									
Max. Calc.	500	669	36.0	36.0	928.73	1.26	1.25	929.99	929.98	



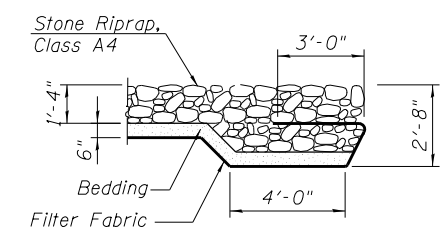
LEGEND
 Soil Boring
 Sheet Piling

PLAN
 Pavement Dimensions Perpendicular to US 20 Roadway

Note:
 The contractor shall grade around the wingwalls in such manner to create a positive drainage away from the culvert.

STATION 75+15.47
 BUILT 20... BY
 STATE OF ILLINOIS
 LOADING HL-93
 STRUCTURE NO. 045-0260

NAME PLATE
 See Std. 515001



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	72
Porous Granular Backfill	Cu. Yd.	0
Stone Riprap, Class A4	Sq. Yd.	33
Filter Fabric	Sq. Yd.	65
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	128
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	72
Concrete Structures	Cu. Yd.	9.9
Protective Coat	Sq. Yd.	4
Reinforcement Bars, Epoxy Coated	Pound	1290
Pipe Culverts, Class A, Type 1 24"	Foot	0
Drilling and Setting Soldier Piles (in soil)	Cu. Yd.	19.7
Precast Concrete Box Culverts 12'x3' (Special)	Foot	104
Furnishing Soldier Piles (HP Section)	Foot	108
Temporary Sheet Piling	Sq. Ft.	288

HIGHWAY CLASSIFICATION

F.A.P. Route 345, US Route 20,
 Function Class: Other Principal Arterial
 ADT: 7,550 vpd (2011)
 ADTT: 1025 (2011) 14%
 DHV: 755 (2007)
 Design Speed: 60 mph
 Posted Speed 55 mph

LOADING HL-93

Allow 50#/Sq ft. for Future Wearing Surface

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

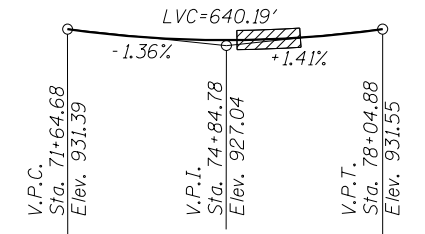
DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

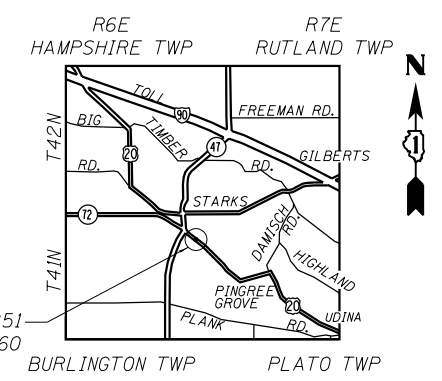
PRECAST UNITS
 $f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Reinforcement)

INDEX OF SHEETS

- S1 General Plan and Elevation
- S2 Stage Construction
- S3 Temporary Concrete Barrier for Stage Construction
- S4 Culvert Section and Headwall and Wingwall Details
- S5 Soil Boring Logs I
- S6 Soil Boring Logs II



PROFILE GRADE LINE
 (IL US 20, Along US 20 Roadway)



LOCATION SKETCH

GENERAL PLAN
US ROUTE 20 OVER UN-NAMED DITCH
US ROUTE 20 SOUTH - SECTION 106-S-N-2
KANE COUNTY
STATION 75+15.47
STRUCTURE NO. 045-0260

PLOT DATE = \$DATE\$
 FILE NAME = \$FILEL\$

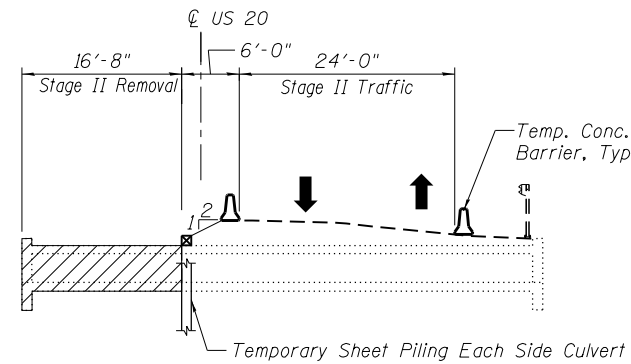
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

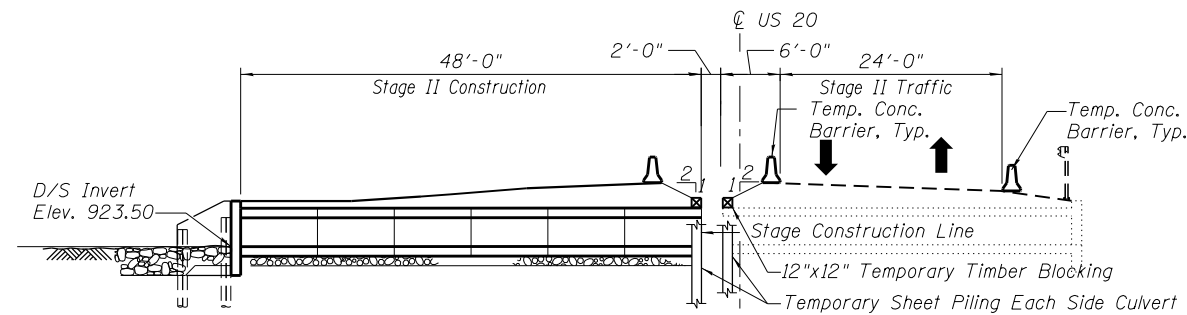
GENERAL PLAN AND ELEVATION
STRUCTURE NO. 045-0260
 SHEET NO. S1 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	98
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



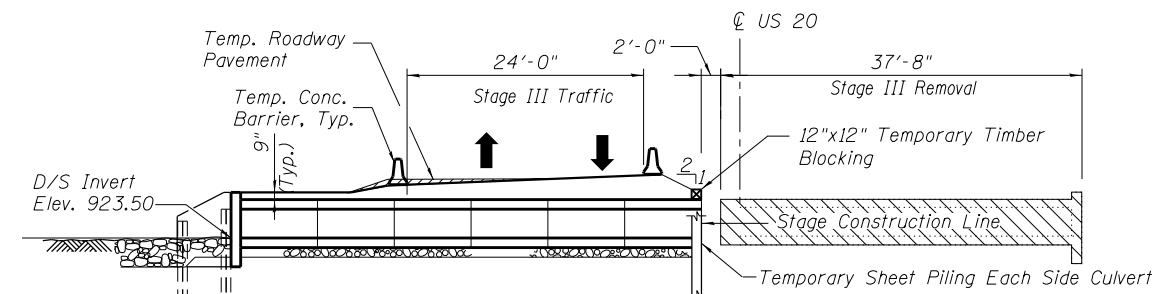
STAGE II REMOVAL

(Looking West)
(Pavement Dimensions Perpendicular to \odot US 20 Roadway)



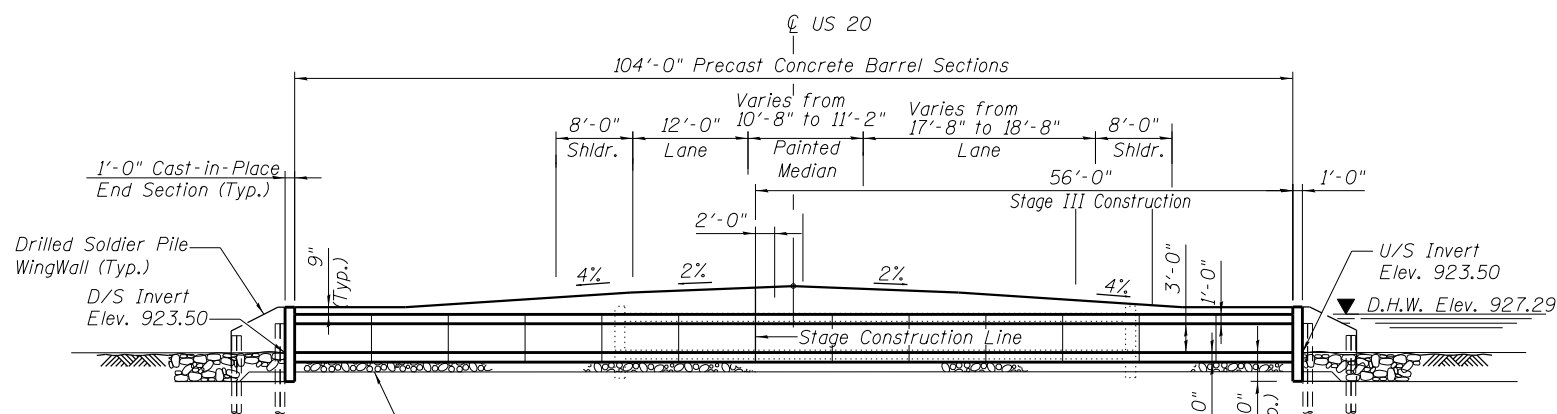
STAGE II CONSTRUCTION

(Looking West)
(Pavement Dimensions Perpendicular to \odot US 20 Roadway)



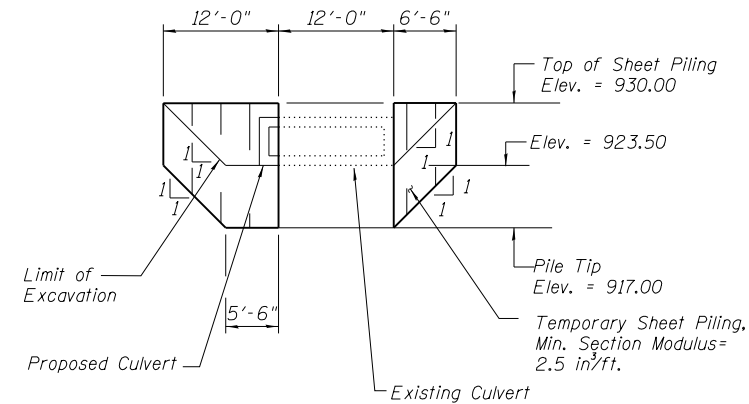
STAGE III CONSTRUCTION

(Looking West)
(Pavement Dimensions Perpendicular to \odot US 20 Roadway)



STAGE III CONSTRUCTION

(Looking West)
(Pavement Dimensions Perpendicular to \odot US 20 Roadway)



ELEVATION - TEMPORARY SHEET PILING

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective Coat shall be applied to the top faces of the headwall.
3. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " except as noted.
4. The limits and quantities of removal of the existing soil and replacement with the porous granular embankment materials shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
5. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
6. If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plan, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
7. Hatched areas indicate "Removal of Existing Structures."
8. Reinforcement bars shall conform to the requirements of AASHTO M322 Grade 60.
9. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. Contractor should verify dimensions and make necessary approved adjustments prior to starting construction. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for actual quantity furnished and approved by Engineer at unit price bid for the work.
10. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of the water diversion shall be subjected to the approval of the Engineer and the cost shall be included with the cost of the Precast Concrete Box Culverts 12'x3' (Special).
11. Cost of Materials and Installation of CLSM, Geocomposite Wall Drain, Welded Studs, and Timber Lagging to be included under "Drilling and Setting Soldier Piles (In Soil)".

ABBREVIATIONS

- F.F. = Front Face
- B.F. = Back Face
- E.F. = Each Face

PLOT DATE = \$DATE\$
FILE NAME = \$FILEL\$

USER NAME =	DESIGNED - MBC	REVISED -
PLOT SCALE =	DRAWN - BA/DS	REVISED -
PLOT DATE =	CHECKED - WPK	REVISED -
FILE NAME =	DATE - 5/19/2014	REVISED -



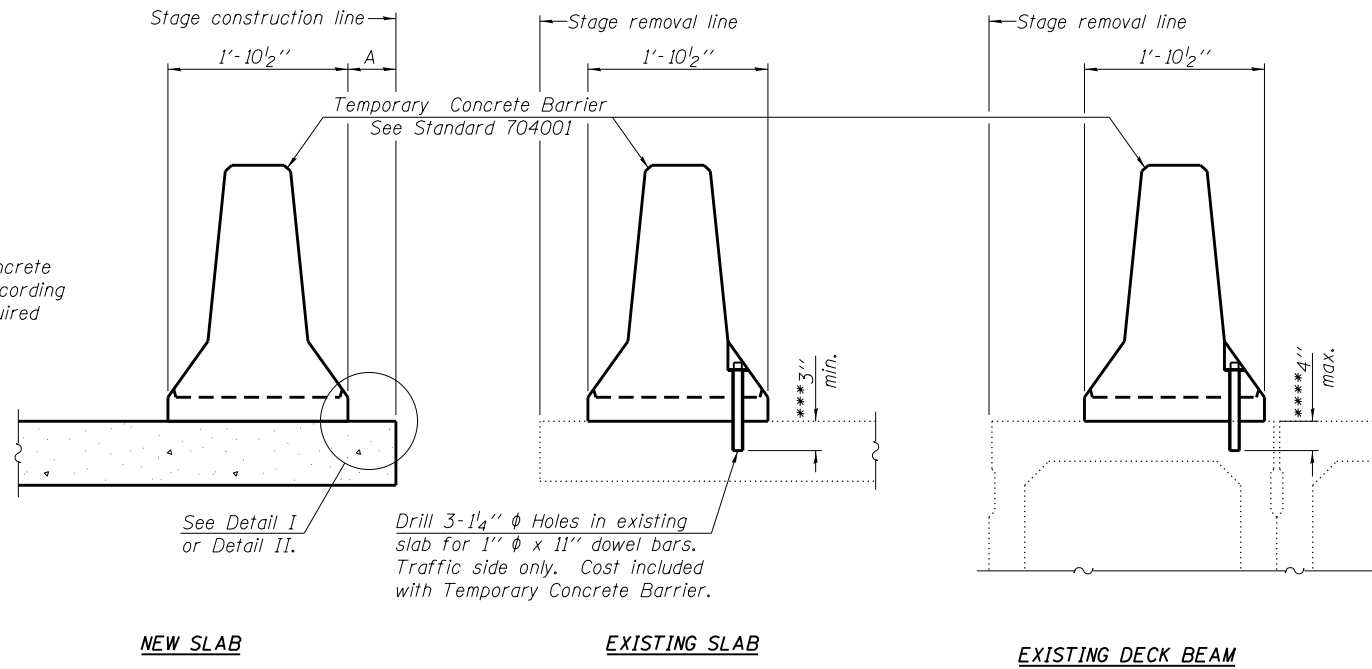
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION
STRUCTURE NO. 045-0260**

SHEET NO. S2 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	99
CONTRACT NO. 60T09				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

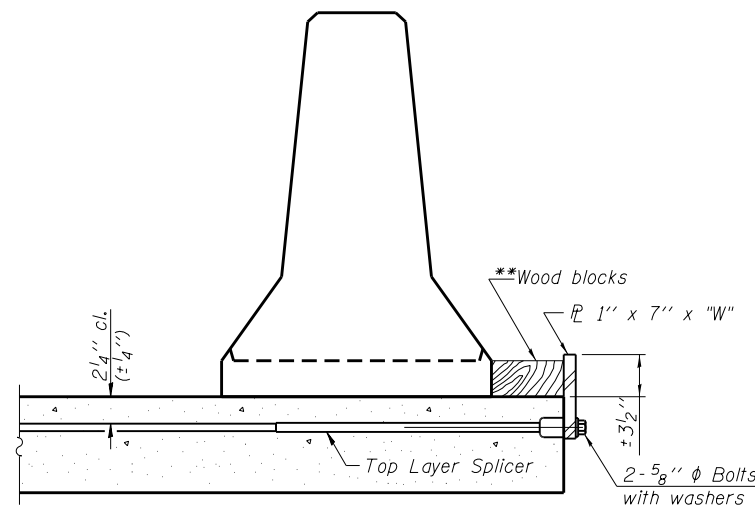
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

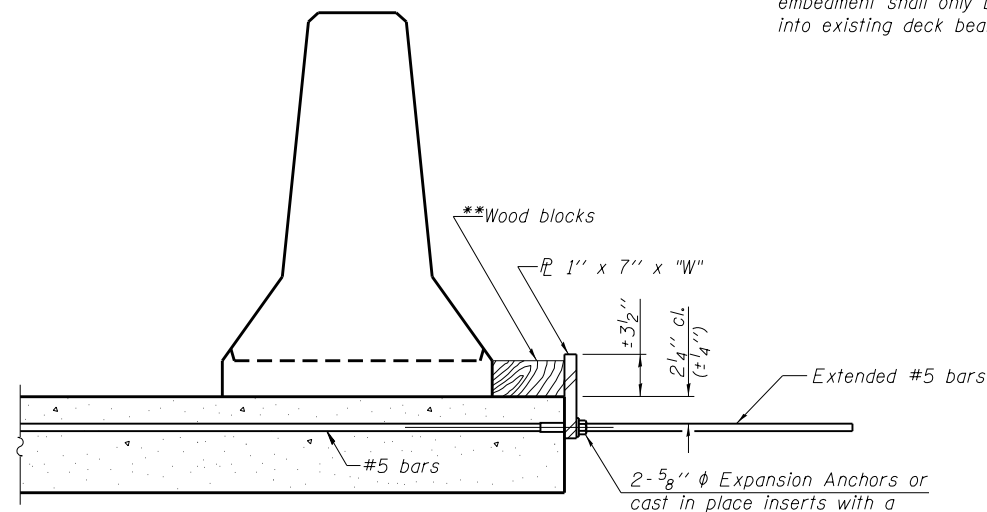
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

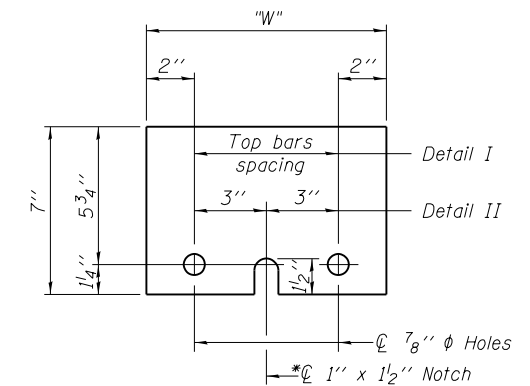
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1" x 7" x "W"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

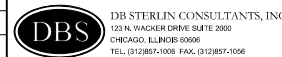
"W" = Top bars spacing + 4"

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FILE NAME = \$FILEL\$

R-27

7-1-10

USER NAME =	DESIGNED - MBC	REVISED -
PLOT SCALE =	DRAWN - BA/DS	REVISED -
PLOT DATE =	CHECKED - WPK	REVISED -
FILE NAME =	DATE - 5/19/2014	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 045-0260**

SHEET NO. S3 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-2	KANE	147	100
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T09	