

08-01-14 LETTING ITEM 157

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAP ROUTE 345 (US ROUTE 20)  
SECTION: 106-S-N-1

AT IL ROUTE 47 /IL ROUTE 72 (NORTH JUNCTION)  
LEFT TURN LANES, TRAFFIC SIGNAL MODERNIZATION & LIGHTING

PROJECT: ACCM-0345(059)

STRUCTURE NO: 045-2040 & 045-2041  
KANE COUNTY  
C-91-298-12

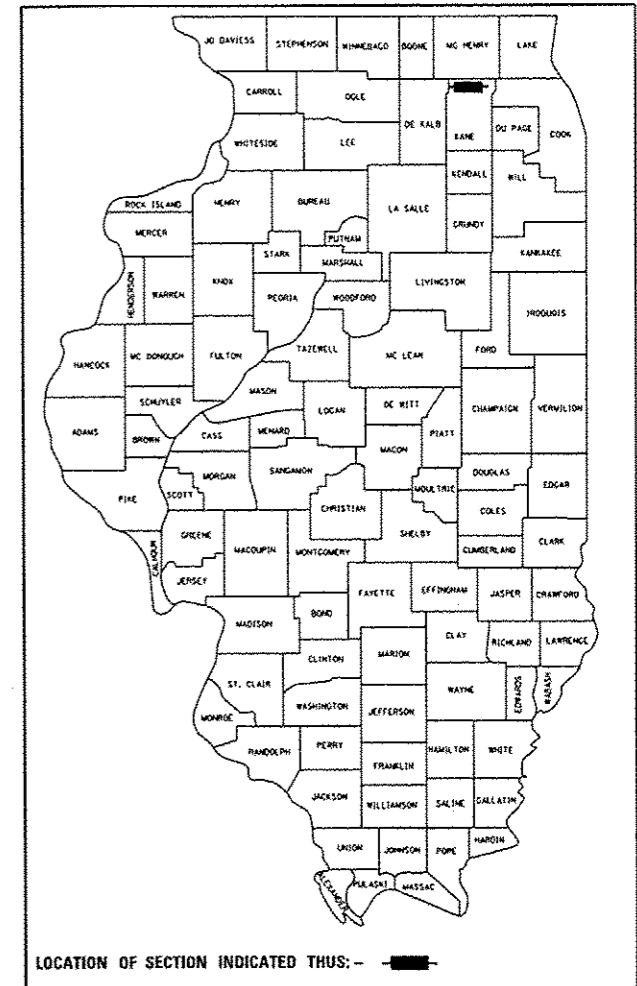
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	1
ILLINOIS			CONTRACT NO. 60T10	

D-91-298-12

\*167-8 = 159

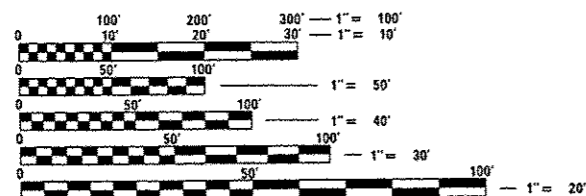
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN  
VILLAGE OF PINGREE GROVE



FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL

EAST LEG: 2011 ADT=8,800 POSTED SPEED=55 MPH  
WEST LEG: 2011 ADT=6,700 POSTED SPEED=55 MPH  
NORTH LEG: 2011 ADT=9,600 POSTED SPEED=45 MPH  
SOUTH LEG: 2011 ADT=15,500 POSTED SPEED=45 MPH



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

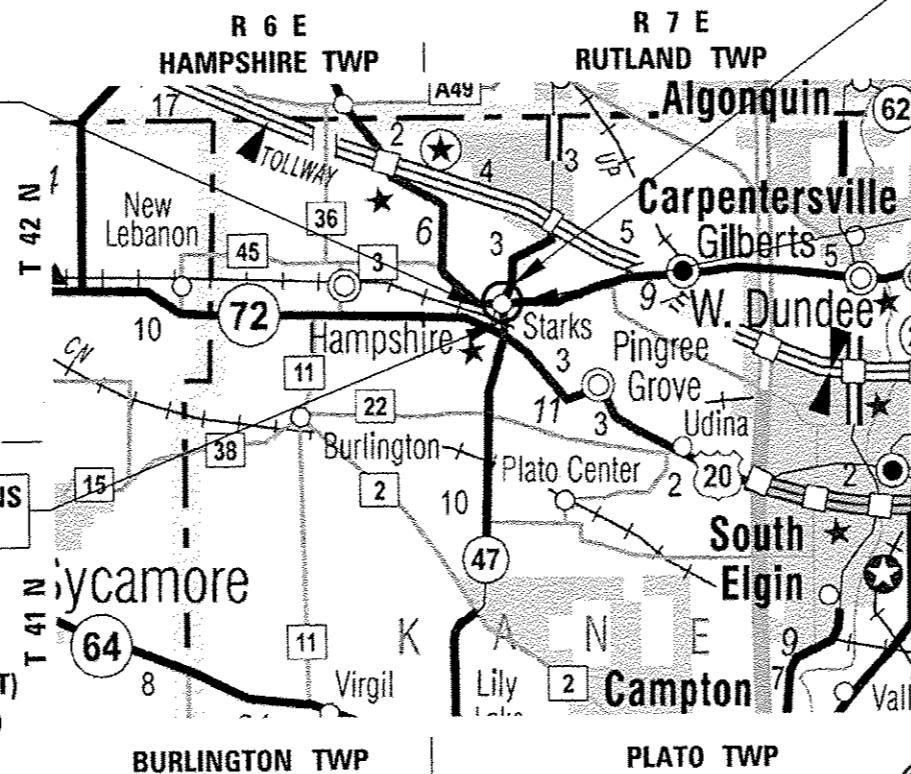
DISTRICT ONE -  
PROJECT MANAGER: DANIEL WILGREEN (847) 705-4240 (IDOT)  
PROJECT ENGINEER: BEHZAD AMINI (312) 857-1006 (DBS)

PROJECT BEGINS  
STA. 17 + 84

PROJECT BEGINS  
STA. 129 + 00

PROJECT ENDS  
STA. 154 + 46

PROJECT ENDS  
STA. 40 + 40



LICENSE EXPIRATION DATE: 11/30/2015  
SIGNATURE: DATE 3/24/14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 31, 2014

John F. Thomas, Jr.  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27, 2014  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

June 27, 2014  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

DBS  
DB STERLIN CONSULTANTS, INC.  
123 N. WACKER DRIVE SUITE 2000  
CHICAGO, ILLINOIS 60606  
TEL. (312) 857-1006 FAX. (312) 857-1056

GROSS LENGTH = 4,802 FEET = 0.91 MILE  
NET LENGTH = 4,802 FEET = 0.91 MILE

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 60T10

**INDEX OF SHEETS**

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121	(BD-01) DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER > 15' (4.5 m)
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123	(BD-07) DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
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128	NOT USED
129	NOT USED
130	(BE-301) LIGHT POLE FOUNDATION, 40' (12.192 m) TO 47 1/2' (14.478 m), MANHOLE 15" (381 mm) BOLT CIRCLE
131	(BE-410) DAVIT LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
132	(BE-701) LUMINAIRE SAFETY CABLE ASSEMBLY
133	(BE-702) MISCELLANEOUS ELECTRICAL DETAIL SHEET A
134	(BE-800) TEMPORARY LIGHT POLE DETAILS
135	(BE-801) TEMPORARY AERIAL CABLE INSTALLATION
136	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
137	(TC-11) TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
138	(TC-13) DISTRICT ONE TYPICAL PAVEMENT MARKINGS

**INDEX OF SHEETS**

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139	(TC-14) TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
140	(TC-16) PAVEMENT MARKING LETTER AND SYMBOLS FOR TRAFFIC STAGING
141	(TC-22) ARTERIAL ROAD INFORMATION SIGN
142-148	(TS-05) DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
149-167	CROSS SECTIONS

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	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 I
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631011-09	TRAFFIC BARRIER TERMINA, TYPE 2
643001-02	SAND MODULE IMPACT ATTENUATORS
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
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
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
701701-09	URBAN LANE CLOSURE, MULTILANE
701901-03	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 - 5/21/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES AND COMMITMENTS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLDT SCALE # #SCALE#	DRAWN - MTM	REVISED -				345	106-S-N-1	KANE	167	2
PLDT DATE # #DATE#	CHECKED - BA	REVISED -		SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 6010				
	DATE - 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT						

**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 "TULLIE" AT (800) 852-0123 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 SOUTH JUNCTION CONTRACT 60T09 .
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 AGGREGATE SUBGRADE IMPROVEMENT 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 GUIDLINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. ANY AGGREGATE SUBGRADE IMPROVEMENT NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO COMPENSATION TO THE CONTRACTOR.

17. 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 (BDR 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 115.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.

18. 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.

**COMMITMENTS**

CONSTRUCTION SHALL NOT OCCUR FROM APRIL 15 THROUGH JUNE 30 OF ANY CONSTRUCTION YEAR IN THE NORTH AND WEST LEGS OF THE INTERSECTIONS OF U.S. ROUTE 20 / ILLINOIS ROUTE 72 WITH ILLINOIS ROUTE 47 INTERSECTION, I.E., ALONG ILLINOIS ROUTE 47 NORTH OF ITS INTERSECTION WITH U.S. ROUTE 20 / ILLINOIS ROUTE 72, AND ALONG U.S. ROUTE 20 WEST OF ITS INTERSECTION OF ILLINOIS ROUTE 47.

FILE NAME: C:\p\proj\ILLINOIS Department of Transportation\60T09\60T09.dwg - User: J... 05/28/14 10:47:11 AM - Plot No. 10 - Various Purposes\60T09.dwg - Plot No. 10 - Various Purposes\60T09.dwg - User: J... 05/28/14 10:47:11 AM - Plot No. 10 - Various Purposes\60T09.dwg

USER NAME: j...@state.il.gov	DESIGNED: MTM	REVISED:
DRAWN: MTM	CHECKED: BA	DATE: 4/29/13
PLLOT SCALE: 1/8"=1'-0"	PLLOT DATE: 4/1/2014	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES  
AND COMMITMENTS**

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-1	KANE	167	3
<b>CONTRACT NO. 60T10</b>				
ILLINOIS DEP. AID PROJECT				

140EL,01 | 140EL,01 | 07POL | 140EL,02

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
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URBAN  
TOTAL  
QUANTITY

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
Δ A2004816	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9				
Δ A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	14	14				
Δ B2000964	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	7	7				
Δ K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	4	4				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	819	819				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	546	546				
20101000	TEMPORARY FENCE	FOOT	352	352				
20200100	EARTH EXCAVATION	CU YD	7,058	7,058				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8270	8270				
<del>20700220</del>	<del>POROUS GRANULAR EMBANKMENT</del>	<del>CU YD</del>	<del>972</del>	<del>972</del>				
20800150	TRENCH BACKFILL	CU YD	2,146	2,146				
Δ 21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	26,955	26,955				
Δ 25000210	SEEDING, CLASS 2A	ACRE	4.75	4.75				
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	506	506				

Δ Specialty Items

Rev.

FILE NAME: #FILES#

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 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	4
CONTRACT NO. 60T10			ILLINOIS FED. AID PROJECT	

FILE NAME: G:\Projects\1121015 - Des Moines of Transportation\1121015 - Item 7 - Various Utilities\Mark Order No. 19 - 08-14-15 - 28 at IL 47 & IL 72\Drawn\Case Sheets\1121015-19-28.dwg  
User Name: sht\_01an  
DESIGNED - MTM  
DRAWN - MTM  
CHECKED - BA  
DATE - 3/31/14  
REVISED -  
REVISED -  
REVISED -  
REVISED -  
REVISED -  
REVISED -

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)		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	506		506				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	506		506				
25100135	MULCH, METHOD 4	ACRE	5.40		5.40				
25100630	EROSION CONTROL BLANKET	SQ YD	26,955		26,955				
28000305	TEMPORARY DITCH CHECKS	FOOT	1341		1341				
28000315	AGGREGATE DITCH CHECKS	TON	5.0		5.0				
28000400	PERIMETER EROSION BARRIER	FOOT	8,688		8,688				
28000510	INLET FILTERS	EACH	67		67				
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6188		6,188				
28100101	STONE RIPRAP, CLASS A1	SQ YD	160		160				
28100107	STONE RIPRAP, CLASS A4	SQ YD	321		321				
28200200	FILTER FABRIC	SQ YD	592		592				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	112		112				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	4,027		4,027				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

*A Specialty Items*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	5

CONTRACT NO. 60T10

Rev.

SCALE: N.T.S. SHEET 2 OF 15 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

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
			<i>URBAN</i>					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	7,136	7,136				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	206	206				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	213	213				
35600710	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/2"	SQ YD	3,530	3,530				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	84.6	84.6				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,048	1,048				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	203	203				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	355	355				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	47	47				
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	3,081	3,081				
<del>42001300</del>	<del>PROTECTIVE COAT</del>	<del>SQ YD</del>	<del>91</del>	<del>91</del>				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	250	250				
44000100	PAVEMENT REMOVAL	SQ YD	3,751	3,751				

FILE NAME: SHT_PLAN	USER NAME * USER#	DESIGNED - MTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * SCALE#	DRAWN - MTM	REVISED -					345	106-S-N-1	KANE	167	6
	PLOT DATE * DATE#	CHECKED - BA	REVISED -					CONTRACT NO. 60110				
	DATE - 3/31/14	REVISED -	ILLINOIS FED. AID PROJECT									
					SCALE: N.T.S.	SHEET 3 OF 15 SHEETS	STA. _____ TO STA. _____					

Rev.

FILE: \\g:\projects\11118015 - Department of Transportation\11118015 - Item 7 - Various Verticals\11118015 - 47 & 11 - FACILITY\11118015 - 47 & 11 - FACILITY.dwg  
 SHT.PLAN

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
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	21,034	21,034				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,248	1,248				
44000300	CURB REMOVAL	FOOT	286	286				
44000500	COMBINATION CURB AND CUTTER REMOVAL	FOOT	2,456	2,456				
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SQ YD	12,126	12,126				
44003100	MEDIAN REMOVAL	SQ FT	304	304				
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	841.4	841.4				
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	420.7	420.7				
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	210.3	210.3				
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	1061.2	1061.2				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	2811	2811				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	7552	7552				
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2	2				
50105220	PIPE CULVERT REMOVAL	FOOT	342	342				

USER NAME = ghr-jafah DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS	SHEET NO.
			SCALE: N.T.S.	SHEET 4 OF 15 SHEETS	STA. TO STA.				167	7
CONTRACT NO. 60T10									ILLINOIS FED. AID PROJECT	





FILE NAME: G:\M-0505\VEI BRIS Department of Transportation\111 B2 - Item 7 - Various Various\Work Order No. 18 Item 03 - US 20 at I. 47 R. R. Zschock\Add Sheets\111B2R-001.dgn  
 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			
			<i>URBAN</i>								
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	455	455							
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	448	448							
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	155	155							
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	731	731							
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	289	289							
55100200	STORM SEWER REMOVAL 6"	FOOT	30	30							
55100400	STORM SEWER REMOVAL 10"	FOOT	98	98							
55100500	STORM SEWER REMOVAL 12"	FOOT	99	99							
55100700	STORM SEWER REMOVAL 15"	FOOT	239	239							
55100900	STORM SEWER REMOVAL 18"	FOOT	45	45							
55101200	STORM SEWER REMOVAL 24"	FOOT	46	46							
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	16	16							
60107700	PIPE UNDERDRAINS 6"	FOOT	3127	3127							
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	6	6							

Rev.

USER NAME: DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> SCALE: N.T.S. SHEET 6 OF 15 SHEETS STA. TO STA.	F.A.P. RTE. 345 SECTION 106-S-N-1 COUNTY KANE TOTAL SHEETS 167 SHEET NO. 9 CONTRACT NO. 60T10 ILLINOIS FED. AID PROJECT
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FILE NAME: G:\Projects\11181015 Department of Transportation\11181015 - Item 7 - Various Vertical Mark Order No. 10 (Rev 40) - 105 20 at B. 47 A. R. 2\ANALYSIS\Draw Sheets\11181015-01.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
	<i>URBAN</i>							
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	16	16				
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7				
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	5	5				
60500040	REMOVING MANHOLES	EACH	1	1				
60500050	REMOVING CATCH BASINS	EACH	10	10				
60500060	REMOVING INLETS	EACH	2	2				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	367	367				
△ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	675	675				
△ 63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	6	6				
63200310	GUARDRAIL REMOVAL	FOOT	1,025	1,025				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15				

*\* Specialty Items*

*△ Specialty Items*

SHT. PLAN	USER NAME: e-shin,sh	DESIGNED: MTM	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: 1/8" = 1'-0"	DRAWN: MTM	REVISED: -					315	106-S-N-1	KANE	167	10
	PLOT DATE: 4/1/2014	CHECKED: BA	REVISED: -		SCALE: N.T.S.	SHEET 7 OF 15 SHEETS	STA.	TO STA.	CONTRACT NO. 6010			
		DATE: 3/31/14	REVISED: -		ILLINOIS FED. AID PROJECT							

FILE NAME: C:\p2\p2\2014\2014\Projects\Transportation\106-5-N-1\106-5-N-1\106-5-N-1.dwg User: J. M. ... Date: 4/1/2014

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		
			<i>URBAN</i>							
67100100	MOBILIZATION	L SUM	1		1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90		90					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15,286		15,286					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	546		546					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,835		14,835					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,403		2,403					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	527		527					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	172		172					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5,095		5,095					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,125		2,125					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1062.5		1062.5					
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	SQ FT	9		9					

△ SPECIALTY ITEM

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE. 345	SECTION 106-5-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 11	
USER NAME: j.m... DESIGNED: MTM DRAWN: MTM CHECKED: BA DATE: 3/31/14				REVISED: - REVISED: - REVISED: - REVISED: -				SCALE: N.T.S.		SHEET 8 OF 15 SHEETS		STA. TO STA.	
ILLINOIS FED. AID PROJECT CONTRACT NO. 6010													

I:\Projects\110615\110615\_106-S-N-1\110615\_106-S-N-1.dgn  
 User: dshankar  
 Date: 4/1/2014 10:54:30 AM  
 Plot Scale: 1/8" = 1'-0"  
 Date: 3/31/14  
 Date: 4/1/2014  
 Date: 3/31/14  
 Date: 4/1/2014

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		
△ 72000200	SIGN PANEL - TYPE 2	SQ FT	80.5		80.5					
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	619	619						
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24,191	24,191						
△ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2403	2403						
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	527	527						
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	172	172						
△ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	505	505						
△ 78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	58	58						
△ 78200530	BARRIER WALL MARKERS, TYPE C	EACH	85	85						
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	442	442					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	490	490					
△ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					1		
△ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1					1		
△ 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1					

△ SPECIALTY ITEM

USER NAME = dshankar	DESIGNED - MTM	REVISED -
PLT SCALE = 1/8" = 1'-0"	DRAWN - MTM	REVISED -
PLT 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 15 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	12
CONTRACT NO.				60T10

FILE NAME: S:\Projects\ILLINOIS Department of Transportation\11th B27 - Item 7 - Various Various Work Order No. 10 - 05a.rvt - 105 20 at E 47 & I 7\Civil\Draw Sheets\DRW0101.dwg  
 SHEET PLAN

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	
△ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,569		1569				
△ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2.5" DIA.	FOOT	165		40			125	
△ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	66		66				
△ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,019		499			1520	
△ 81400200	HEAVY-DUTY HANDHOLE	EACH	10		10				
△ 81400300	DOUBLE HANDHOLE	EACH	2		2				
△ 81603090	UNIT DUCT, 600V, 3-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	7,410					7,410	
<del>△ 81702130</del>	<del>ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6</del>	<del>FOOT</del>	<del>140</del>					<del>140</del>	
△ 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	2,190					2,190	
△ 82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	35					35	
△ 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	10					10	
△ 82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLTS, 100AMP	EACH	1					1	
△ 83050805	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. DAVIT ARM	EACH	31					31	

△ SPECIALTY ITEM

*Rev*

USER NAME: e-sharif DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> SCALE: N.T.S.    SHEET 10 OF 15 SHEETS    STA.    TO STA.	F.A.P. RTE. 345 SECTION 106-S-N-I COUNTY KANE TOTAL SHEETS 167 SHEET NO. 13 CONTRACT NO. 60T10 ILLINOIS FED. AID PROJECT
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FILE NAME: G:\Projects\ILLINOIS Department of Transportation\1101102 - Item 7 - Various Variations\Work Order No. 10 - Item 11 - 720\Drawings\Sheet\1101102.dwg  
 User: MTM  
 Date: 3/31/14

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
△ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	403					403
△ 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	31					31
△ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10					10
△ 84200804	REMOVAL OF POLE FOUNDATION	EACH	10					10
△ 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1					1
△ 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1					1
△ 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1					1
<del>△ 85700200</del>	<del>FULL-ACTUATED CONTROLLER AND TYPE IV CABINET</del>	<del>EACH</del>	<del>1</del>					<del>1</del>
△ 86400100	TRANSCEIVER-FIBER OPTIC	EACH	1		1			
△ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	363				363	
△ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	262		262			
△ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,050		3050			
△ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,166		3166			
△ 87301800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2C	FOOT	363		363			

△ SPECIALTY ITEM

USER NAME: <i>mtm</i> PLT SCALE: 1/8" = 1'-0" PLT DATE: 4/1/2014	DESIGNED - MTM DRAWN - MTM CHECKED - BA DATE - 3/31/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> SCALE: N.T.S.    SHEET 11 OF 15 SHEETS    STA.    TO STA.	F.A.P. RTE. 345 SECTION 106-S-N-1 COUNTY KANE TOTAL SHEETS 167 SHEET NO. 14 CONTRACT NO. 60T10 ILLINOIS FED. AID PROJECT
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*Rev.*

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	

*URBAN*

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	
△ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	981		981				
△ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3		3				
△ 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1				
△ 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1				
△ 87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1		1				
△ 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1		1				
△ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12				
△ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
△ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58		58				
△ 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				

△ SPECIALTY ITEM

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROJECT: I-55/US HWY 240  
 CONTRACT NO. 60T10  
 SHEET NO. 15  
 DATE: 4/2/2014  
 USER: MTM  
 DATE: 3/31/14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-5-N-1	KANE	167	15
			CONTRACT NO. 60T10	
ILLINOIS FED. AID PROJECT				

FILE NAME : G:\Projects\Illinois Department of Transportation\116 R02 - Item 7 - Various Variations\Work Order No. 116-04-15-28 at IL 47 & IL 72\Drawings\Specs\URBAN.dwg  
 PLOT SCALE = 100,0000 / 1  
 PLOT DATE = 4/1/2014

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	
△ 88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10				
△ 88600100	DETECTOR LOOP, TYPE 1	FOOT	712		712				
△ 88700200	LIGHT DETECTOR	EACH	2				2		
△ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1		
△ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
△ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
△ 89502380	REMOVE EXISTING HANDHOLE	EACH	3		2			1	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2	2					
△ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	363				363		
X0324380	REMOVE AND REPLACE LID	EACH	1	1					
X0327301	RELOCATE EXISTING MAILBOX	EACH	5	5					
△ X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	10					10	
△ X0327349	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	3					3	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	96	96					

△ SPECIALTY ITEM



FILE NAME : G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No. 18 (byrdh) - US 28 at IL 47 & IL-72\Civil\Cadd Sheets\0158718-sh1-500.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			
	<i>URBAN</i>										
Δ X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.97	0.97							
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	97,052	97,052							
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	292	292							
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1							
Δ X8130125	REMOVE EXISTING JUNCTION BOX	EACH	4						4		
Δ X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1						
Δ X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1		1						
XX006263	STEEL CASING PIPE, AUGERED AND JACKED, 30"	FOOT	40	40							
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SO YD	188	188							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
⊙ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	8	8							
Z0026407	TEMPORARY SHEET PILING	SO FT	3846	3846							
Z0028450	GEOTEXTILE FABRIC FOR RAILROAD CROSSING	SO YD	177	177							
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4							
Δ Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	35						35		
Δ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12						12		

Δ SPECIALTY ITEM

⊙ 100% STATE (NP)

Rev.

USER NAME - christfish	DESIGNED - MTM	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - MTM	REVISED -
PLOT DATE = 4/2/2014	CHECKED - BA	REVISED -
	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 14	OF 15 SHEETS	STA. TO STA.

F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 17
CONTRACT NO. 6010				
ILLINOIS FED. AID PROJECT				

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
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
Z0054406	ROCK FILL - FOUNDATION	CU YD	475	475				
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	1,990	1,990				
Z0062456	TEMPORARY PAVEMENT	SO YD	2,630	2,630				
Z0064800	SELECTIVE CLEARING	UNIT	5	5				
Δ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1			
∅ Z0076600	TRAINEES	HOUR	1000	1000				
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000				
X0323261	TEMPORARY SEDIMENT BASIN	EACH	6	6				
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	460	460				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

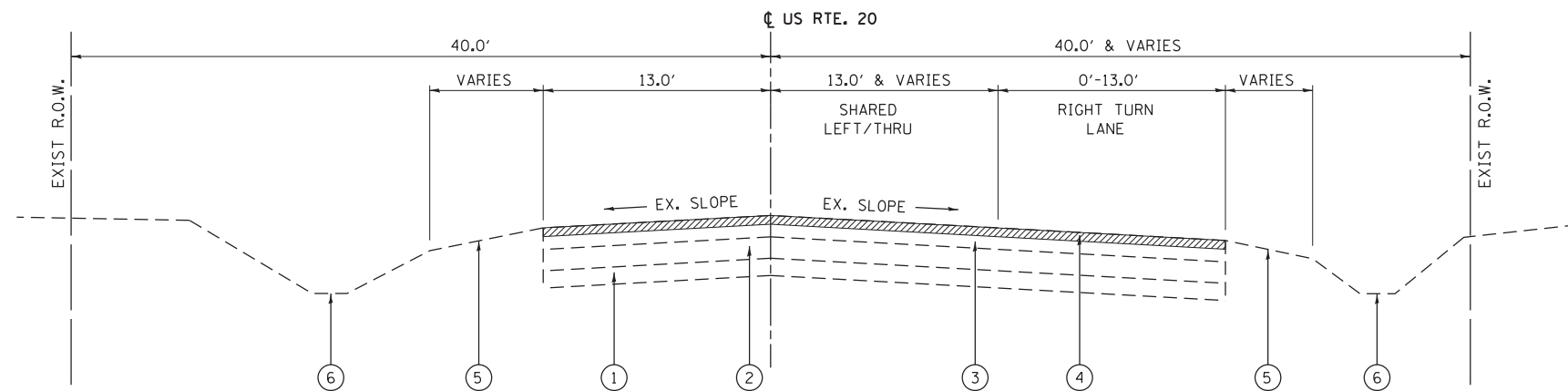
**SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	18
			CONTRACT NO. 60110	
ILLINOIS FED. AID PROJECT				

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

SCALE: N.T.S. SHEET 15 OF 15 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

FILE NAME: FILE18  
10  
0042  
SHT\_PLAN



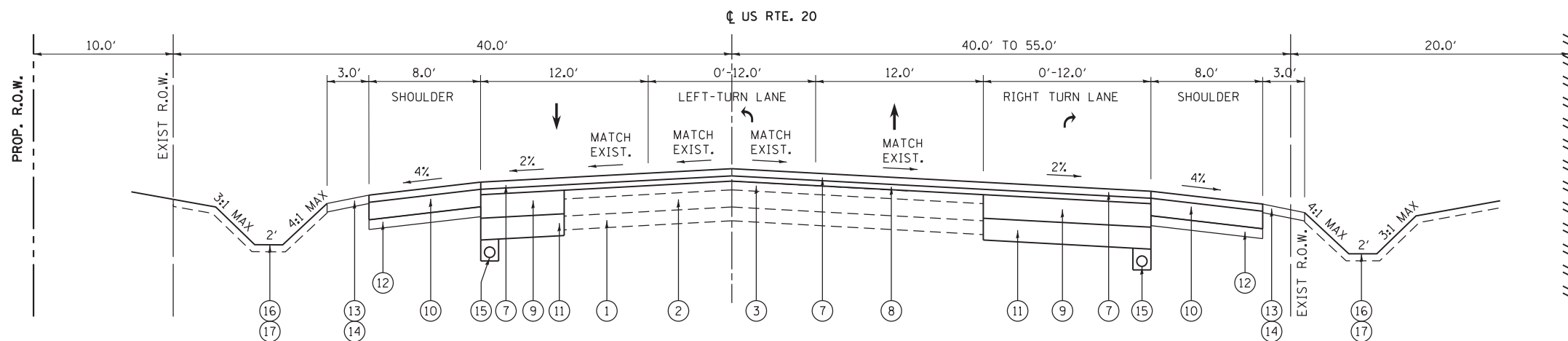
**EXISTING TYPICAL SECTION**

**U.S. ROUTE 20**

STA. 17+84 TO STA. 30+03  
(LOOKING EAST)

2 1/2" HMA PAVEMENT SURFACE REMOVAL

**NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.**



**PROPOSED TYPICAL SECTION**

**U.S. ROUTE 20**

STA. 17+84 TO STA. 30+03  
(LOOKING EAST)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS NOTES:**

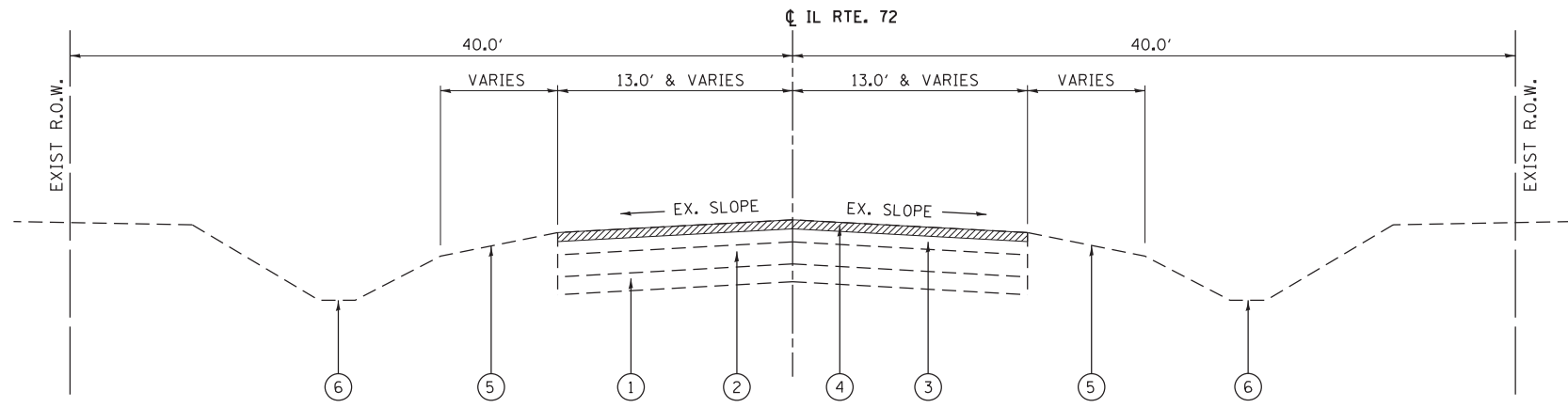
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED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

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	PERCENT AIR VOIDS AT Ndes	QUALITY MANAGEMENT PROGRAM (OMP)
<b>HOT-MIX ASPHALT PAVEMENT WIDENING</b>		
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
<b>PAVEMENT RESURFACING</b>		
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
<b>HOT-MIX ASPHALT SHOULDERS, 8"</b>		
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
<b>PATCHING</b>		
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
<b>DRIVEWAY PAVEMENT</b>		
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) PE-6", CE-8"	4% @ 50 GYR.	QC/OA
<b>TEMPORARY PAVEMENT</b>		
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
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP)		

**LEGEND**

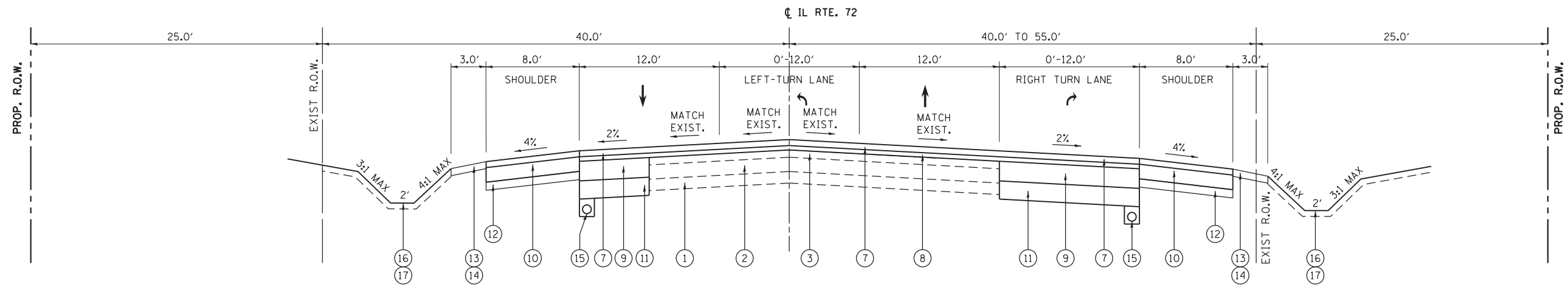
- |   |   |
|---|---|
| ① EXISTING AGGREGATE SUBGRADE   | ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"   |
| ② EXISTING P.C.C. PAVEMENT, VARIES 7.75" TO 8.50"                                       | ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"  |
| ③ EXISTING H.M.A. PAVEMENT, VARIES 8.00" TO 15.25"                                      | ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"  |
| ④ PROPOSED H.M.A. PAVEMENT 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"                                 |   |



**EXISTING TYPICAL SECTION**  
**IL ROUTE 72**  
 STA. 30+03 TO STA. 40+40  
 (LOOKING WEST)

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.

 2 1/2" HMA PAVEMENT SURFACE REMOVAL

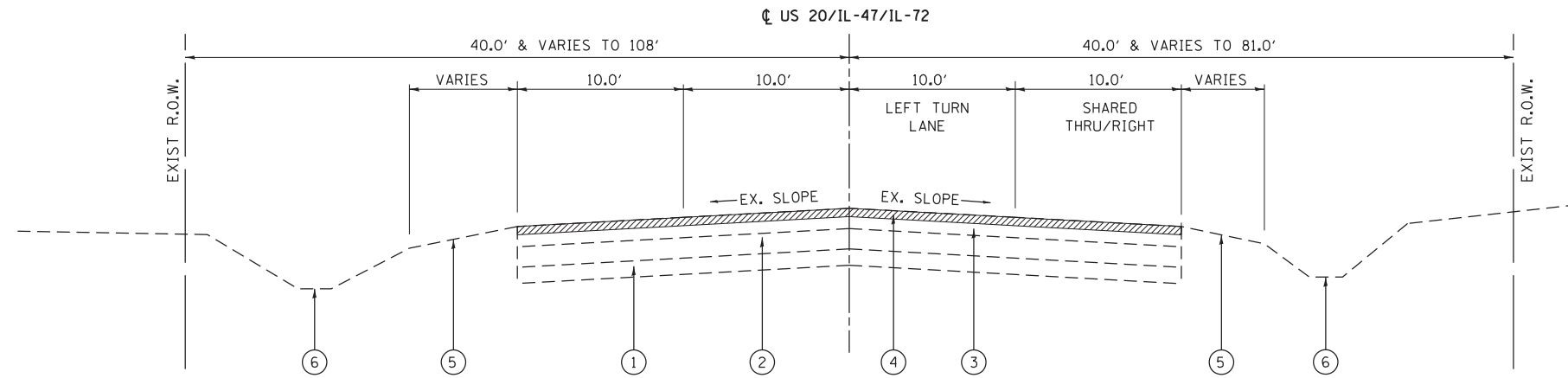


**PROPOSED TYPICAL SECTION**  
**IL ROUTE 72**  
 STA. 30+03 TO STA. 40+40  
 (LOOKING WEST)

**LEGEND**

- ① EXISTING AGGREGATE SUBGRADE
- ② EXISTING P.C.C. PAVEMENT, VARIES 7.75" TO 8.50"
- ③ EXISTING H.M.A. PAVEMENT, VARIES 8.00" TO 15.25"
- ④ PROPOSED H.M.A. PAVEMENT 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

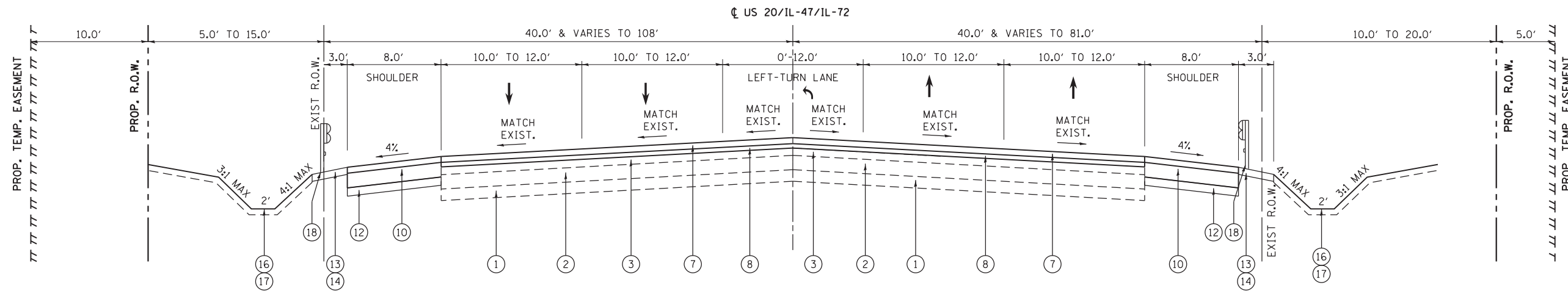
FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - BA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTION - NORTH JUNCTION IL ROUTE 72 (EAST LEG)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT SCALE = 10.0000" / in.	DRAWN - BA	REVISED -		SCALE: N.T.S.	SHEET 2	OF 4 SHEETS	STA.	TO STA.	345	106-S-N-1	KANE	167	20
	PLOT DATE = 4/1/2014	CHECKED - WK	REVISED -		CONTRACT NO. 60T10									
		DATE - 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT									



**EXISTING TYPICAL SECTION**  
**U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72**  
 STA. 129+00 TO STA. 144+97.9  
 (LOOKING NORTH)

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.

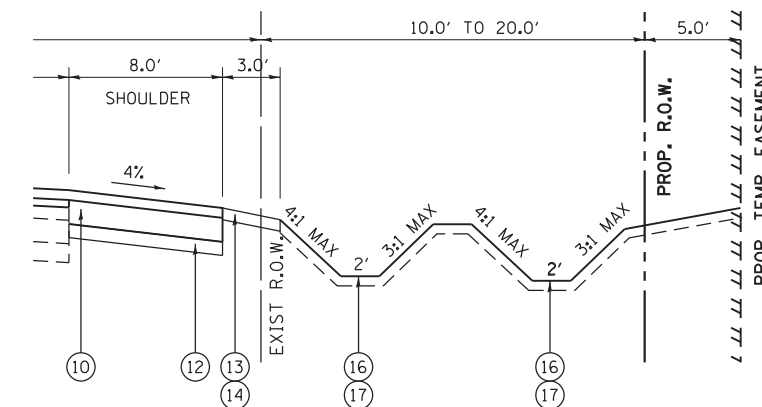
2 1/2" HMA PAVEMENT SURFACE REMOVAL



**PROPOSED TYPICAL SECTION**  
**U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72**  
 STA. 129+00 TO STA. 144+97.9  
 (LOOKING NORTH)

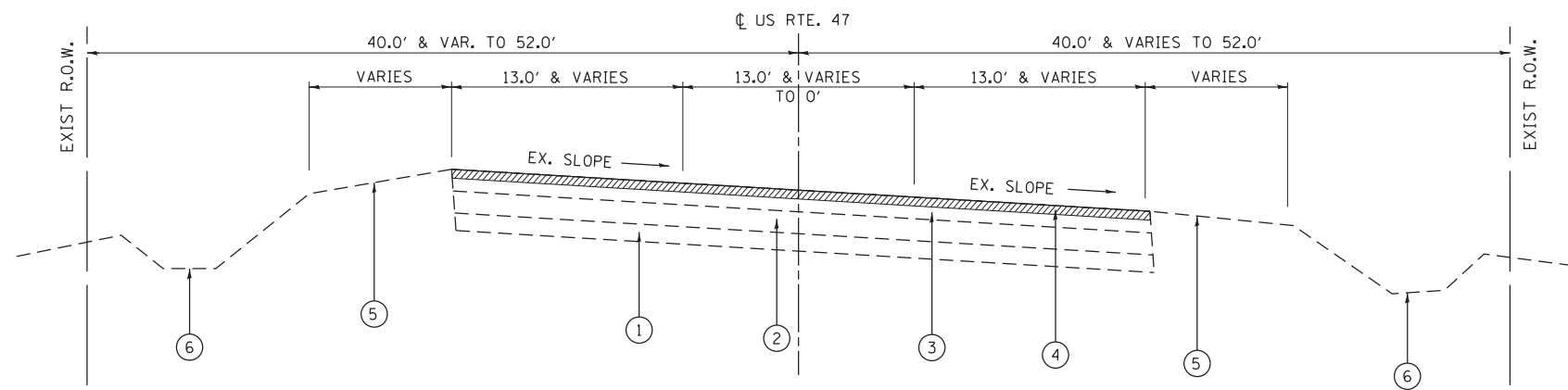
**LEGEND**

- ① EXISTING AGGREGATE SUBGRADE
- ② EXISTING P.C.C. PAVEMENT, VARIES 7.75" TO 8.50"
- ③ EXISTING H.M.A. PAVEMENT, VARIES 8.00" TO 15.25"
- ④ PROPOSED H.M.A. PAVEMENT 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
- ⑱ PROPOSED LONG-SPAN GUARDRAIL OVER CULVERT STA 137+00 TO STA 139+70



NOTE: FROM STA. 124+00 TO STA. 129+50 A DOUBLE DITCH SYSTEM WILL BE USED ON THE EAST SIDE OF THE ROAD.

FILE NAME =	USER NAME = chrishfish	DESIGNED - BA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTION - NORTH JUNCTION US ROUTE 20 /IL ROUTE 47 /IL ROUTE 72 (SOUTH LEG)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 10.0000 "/ in.	DRAWN - BA	REVISED -			345	106-S-N-1	KANE	167	21	
	PLOT DATE = 4/1/2014	CHECKED - WK	REVISED -			CONTRACT NO. 60T10					
		DATE - 3/31/14	REVISED -			ILLINOIS FED. AID PROJECT					

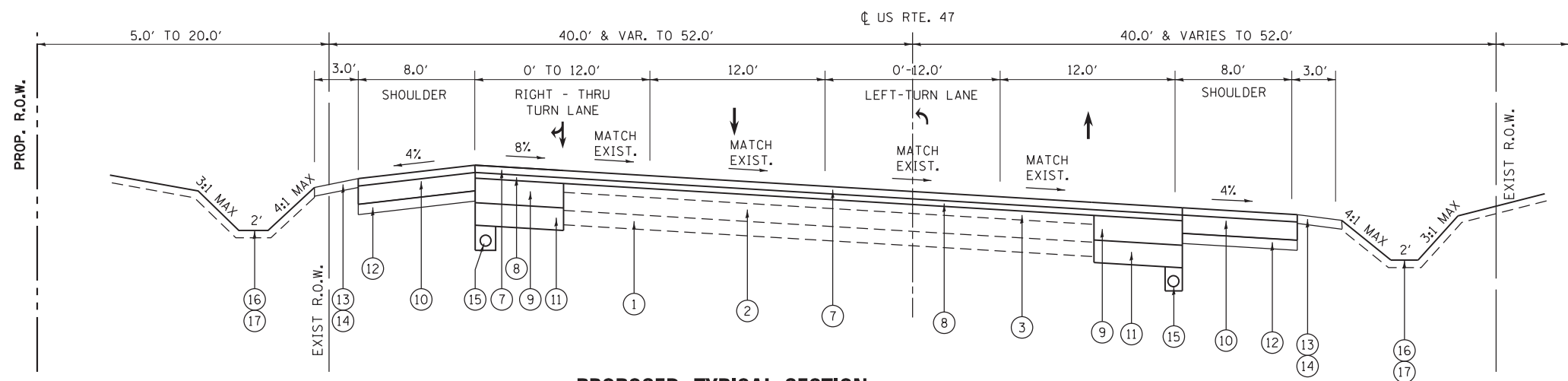


**EXISTING TYPICAL SECTION  
IL ROUTE 47**

STA. 144+97.9 TO STA. 154+46  
(LOOKING NORTH)

 2 1/2" HMA PAVEMENT SURFACE REMOVAL

NOTE: THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.



**PROPOSED TYPICAL SECTION  
IL ROUTE 47**

STA. 144+97.9 TO STA. 154+46  
(LOOKING NORTH)

**LEGEND**

- |   |   |
|---|---|
| ① EXISTING AGGREGATE SUBGRADE   | ⑩ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"   |
| ② EXISTING P.C.C. PAVEMENT, VARIES 7.75" TO 8.50"                                       | ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"  |
| ③ EXISTING H.M.A. PAVEMENT, VARIES 8.00" TO 15.25"                                      | ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"  |
| ④ PROPOSED H.M.A. PAVEMENT 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 = chrishfish	DESIGNED - BA	REVISED -
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 - NORTH JUNCTION  
IL ROUTE 47 (NORTH LEG)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	22
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

FRAMES AND GRATES TO BE ADJUSTED			60300105
STATION	OFFSET	UNIT	QUANTITY
27+65.7	42.0' RT	EA	1.0
29+68.7	49.5' RT	EA	1.0
31+44.7	28.5' RT	EA	1.0
143+05.3	28.0' LT	EA	1.0
143+61.9	27.5' LT	EA	1.0

PROPOSED LANDSCAPING			21101625	25000210	25000314	25100630
STATION	STATION	LT/RT	TOPSOIL FURNISH AND PLACE, 6 IN (SY)	SEEDING CLASS 2A (ACRE)	SEEDING CLASS 4 (MOD.) (ACRE)	EROSION CONTROL BLANKET (SY)
17+84.0	18+32.4	LT	122.0	0.02		122.0
18+42.3	19+09.5	LT	171.0	0.03		171.0
19+25.0	21+17.3	LT	515.0	0.10		515.0
21+26.5	22+62.4	LT	348.0	0.07		348.0
22+74.3	27+00.0	LT	1088.0	0.10		1088.0
27+00.0	147+00.0	LT	871.0	0.12		871.0
147+00.0	36+47.5	LT	1954.0	0.40		1954.0
36+60.5	40+40.0	LT	812.0	0.17	0.08	812.0
22+03.2	25+97.7	RT	1354.0	0.28		1354.0
26+57.3	27+20.0	RT	169.0	0.03		169.0
27+61.8	143+00.0	RT	332.0	0.07		332.0
143+32.6	31+62.0	RT	535.0	0.11		535.0
31+97.6	35+61.0	RT	1372.0	0.28		1372.0
35+86.9	40+40.0	RT	1898.0	0.39	0.08	1898.0
129+00.0	130+83.3	LT	1507.0	0.31		1507.0
131+27.4	131+83.8	LT	191.0	0.04		191.0
131+88.8	133+57.9	LT	594.0	0.12		594.0
133+34.4	134+02.6	LT	250.0	0.05		250.0
134+08.9	138+05.7	LT	1744.0	0.36	0.27	1744.0
138+20.0	142+38.2	LT	1139.0	0.24		1139.0
142+84.7	143+00.0	LT	31.0	0.01		31.0
129+00.0	130+17.6	RT	713.0	0.15		713.0
130+58.6	133+72.5	RT	1974.0	0.41		1974.0
133+80.1	138+62.5	RT	2981.0	0.62		2981.0
138+84.3	142+93.8	RT	971.0	0.20	0.10	971.0
147+00.0	154+46.0	LT	1757.0	0.31		1757.0
147+00.0	149+00.0	RT	511.0	0.11		511.0
149+00.0	154+46.0	RT	1066.0		0.09	1066.0

PROPOSED DRIVEWAYS			42300400	35501308	35501316	40603335
STATION	LT/RT	DESCRIPTION	PCC DRIVEWAY PAVEMENT, 8 IN (SY)	HMA BASE COURSE, 6 IN (SY)	HMA BASE COURSE, 8 IN (SY)	HMA SURFACE COURSE, MIX "D", N50, 2 IN (TON)
18+36.8	LT	P.E.		26.9		3.0
19+17.3	LT	P.E.		27.8		3.0
21+21.9	LT	P.E.		5.4		1.0
22+64.4	LT	P.E.		9.4		1.0
26+27.5	RT	C.E.			153.2	17.0
27+41.0	RT	C.E.	97.5			
31+79.9	RT	C.E.			59.5	7.0
133+77.7	LT	P.E.		136.5		15.0
142+61.4	LT	C.E.	108.3			
143+13.1	RT	C.E.	44.5			

TREE REMOVAL SCHEDULE															
20100110												20100210			
STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø
35+48.51	85.8' RT	14		137+54.61	37.5' RT	11		137+28.18	75.3' LT	14		33+31.46	61.4' RT	14	
35+87.70	37.5' RT	7		137+64.77	37.5' RT	10		138+78.78	66.1' LT	6		33+44.37	63.0' RT	13	
36+38.44	48.4' LT	6		137+88.13	61.2' RT	12		139+27.92	87.8' LT	8		35+50.34	88.4' RT	9	
36+38.44	48.4' LT	8		138+04.72	65.0' LT	12		137+21.75	74.4' RT	10		34+77.08	68.9' RT	10	
36+42.00	48.4' LT	7		138+36.04	32.0' RT	7		137+21.75	74.4' RT	12		34+77.08	68.9' RT	10	
36+44.09	66.1' LT	8		138+38.79	34.0' RT	8		132.10.35	66.1' RT	6		34+94.27	81.7' RT	12	
36+47.05	66.1' LT	12		138+40.73	33.2' RT	8		134+93.28	39.6' RT	6		35+19.70	96.1' RT	10	
36+58.96	44.6' LT	12		138+49.50	44.2' RT	9		134+93.28	39.6' RT	10		35+19.70	96.1' RT	13	
36+73.60	57.6' LT	6		138+65.00	60.6' RT	7		129+77.79	50.3' RT	12		35+44.51	85.8' RT	12	
36+82.02	42.9' LT	6		138+65.40	74.0' RT	13		129+77.79	50.3' RT	8		35+77.25	39.8' RT	14	
36+82.12	64.6' LT	11		138+67.60	72.8' RT	8		130+05.03	48.3' RT	9			136+00.77	36.2' RT	26
36+73.02	57.6' LT	11		138+68.72	68.0' RT	11		131+35.97	53.2' RT	9			138+36.31	52.4' RT	19
36+85.26	64.2' LT	11		140+38.49	51.6' RT	7		21+32.39	40.0' LT	8			138+64.70	76.0' RT	21
36+88.91	45.5' LT	8		130+11.62	35.5' LT	6		36+47.01	66.1' LT	9			139+63.79	35.0' RT	28
36+96.80	45.5' LT	10		130+79.26	81.2' LT	13		36+47.01	66.1' LT	9			130+81.42	85.3' LT	16
129+52.75	44.5' RT	13		130+79.26	81.2' LT	8		36+47.01	66.1' LT	14			130+05.03	48.3' RT	16
129+63.82	44.5' RT	12		130+81.42	85.3' LT	12		36+69.15	45.3' LT	13			36+47.01	66.1' LT	15
129+72.77	41.4' RT	11		135+26.40	75.1' LT	10		36+69.15	45.3' LT	9			36+47.01	66.1' LT	18
130+11.62	35.4' LT	6		135+26.40	75.1' LT	9		32+73.69	48.6' RT	10			33+31.46	61.4' RT	15
130+81.32	34.4' RT	7		138+01.00	89.9' LT	12		32+76.05	49.5' RT	10			33+44.37	63.0' RT	15
131+34.95	35.0' LT	7		139+30.90	96.6' LT	6		32+76.05	49.5' RT	12			34+77.08	68.9' RT	15
132+98.70	45.3' RT	6		138+60.94	79.7' LT	6		32+85.07	50.4' RT	10			34+77.08	68.9' RT	16
134+86.01	37.3' RT	7		138+09.21	79.9' LT	6		32+85.07	50.4' RT	13			34+97.27	81.7' RT	16
135+11.32	36.2' RT	6		138+78.27	67.5' LT	6		32+85.07	50.4' RT	12			35+19.7	96.1' RT	20
135+39.02	37.2' RT	8		137+33.68	65.9' LT	6		32+98.91	50.3' RT	14			35+44.51	85.8' RT	16
135+73.96	39.3' RT	7		138+61.13	63.4' LT	6		32+98.91	50.3' RT	14			35+44.51	85.8' RT	16
137+25.69	37.3' RT	8		137+52.70	90.7' LT	6		32+98.91	50.3' RT				35+44.51	85.8' RT	21

FILE NAME - #FILEL#

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
US RTE 20 (NORTH JUNCTION)			
SCALE: N.T.S.	SHEET 1 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	23
CONTRACT NO. 60T10				
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 (30300001)
		CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
129+00.00	130+00.00	1,199	343	1,019	4	1,015	0	0
130+00.00	131+00.00	804	223	683	4	679	0	0
131+00.00	132+00.00	628	210	534	4	530	0	0
132+00.00	133+00.00	789	288	671	4	667	0	0
133+00.00	134+00.00	449	215	382	8	374	0	0
134+00.00	135+00.00	69	126	59	8	51	0	0
135+00.00	136+00.00	26	125	22	30	-8	0	0
136+00.00	137+00.00	17	143	14	125	-111	0	0
137+00.00	138+00.00	23	156	20	210	-190	0	0
138+00.00	139+00.00	110	197	94	238	-144	0	0
139+00.00	140+00.00	112	208	95	212	-117	0	0
140+00.00	141+00.00	38	160	32	106	-74	0	0
141+00.00	142+00.00	47	162	40	41	-1	0	0
142+00.00	143+00.00	99	121	84	25	59	0	0
143+00.00	144+00.00	126	112	107	8	99	0	0
144+00.00	145+00.00	54	86	46	6	40	0	0
145+00.00	146+00.00	25	112	21	49	-28	0	0
146+00.00	147+00.00	36	197	31	80	-49	19	28
147+00.00	148+00.00	75	200	64	67	-3	43	56
148+00.00	149+00.00	93	250	79	188	-109	25	28
149+00.00	150+00.00	54	260	46	297	-251	0	0
150+00.00	151+00.00	36	221	31	247	-216	0	0
151+00.00	152+00.00	15	186	13	178	-165	0	0
152+00.00	153+00.00	12	176	10	125	-115	0	0
153+00.00	154+00.00	36	184	31	84	-53	0	0
<b>TOTAL - IL RT 47 NORTH JUNCTION</b>		<b>4,972</b>	<b>4,661</b>	<b>4,228</b>	<b>2,348</b>	<b>1,880</b>	<b>87</b>	<b>112</b>

NOTES:

1. 15% SHRINKAGE FACTOR
2. TOTAL DEPTH OF EXISTING TOPSOIL REMOVAL = 12"

EARTHWORK SCHEDULE US RT 20/IL RT 72

STATION	STATION	EARTH EXCAVATION (20200100)	TOPSOIL/ UNSUITABLE	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION AND PLACEMENT (21101505)
		CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
17+84.00	18+00.00	5	13	4	8	-4	5
18+00.00	19+00.00	26	67	22	32	-10	23
19+00.00	20+00.00	36	71	31	30	1	23
20+00.00	21+00.00	65	104	55	50	5	34
21+00.00	22+00.00	86	158	73	62	11	34
22+00.00	23+00.00	76	175	65	69	-4	32
23+00.00	24+00.00	54	152	46	97	-51	36
24+00.00	25+00.00	76	178	65	204	-139	49
25+00.00	26+00.00	102	160	87	256	-169	47
26+00.00	27+00.00	97	134	82	158	-76	32
27+00.00	28+00.00	89	158	76	99	-23	30
28+00.00	29+00.00	82	162	70	95	-25	25
29+00.00	30+00.00	41	82	35	41	-6	12
30+00.00	31+00.00	43	93	37	62	-25	12
31+00.00	32+00.00	84	189	71	141	-70	32
32+00.00	33+00.00	67	193	57	206	-149	38
33+00.00	34+00.00	60	210	51	280	-229	43
34+00.00	35+00.00	93	217	79	312	-233	60
35+00.00	36+00.00	263	249	224	393	-169	88
36+00.00	37+00.00	323	249	275	258	17	93
37+00.00	38+00.00	165	188	140	119	21	67
38+00.00	39+00.00	76	145	65	182	-117	47
39+00.00	40+00.00	56	125	48	175	-127	39
40+00.00	40+40.00	21	50	18	66	-48	17
<b>TOTAL - IL RT 72/US RT 20 NORTH JUNCTION</b>		<b>2,086</b>	<b>3,522</b>	<b>1,776</b>	<b>3,395</b>	<b>-1,619</b>	<b>918</b>

EARTHWORK SUMMARY TABLE

DESCRIPTION	QUANTITY	UNIT
<b>EARTH EXCAVATION</b>	<b>7,058</b>	<b>CU YD</b>
<b>FURNISHED EXCAVATION</b>	<b>0</b>	<b>CU YD</b>
<b>AGGREGATE SUBGRADE IMPROVEMENT</b>	<b>112</b>	<b>CU YD</b>
- TOTAL EXISTING TOPSOIL EXCAVATION - 12" DEPTH (CU YD) =	<b>8,183</b>	
EXCESS EXIST. TOPSOIL EXCAV. TO BE REMOVED AS UNSUITABLE MATERIAL (CU YD)	<b>8,183</b>	
UNSUITABLE MATERIAL (AGGREGATE SUBGRADE IMPROVEMENT) (CU YD)	<b>87</b>	
<b>REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL</b>	<b>8,270</b>	<b>CU YD</b>

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No.10 (North) - US 20 et. IL 47 & IL 72\Civil\Cadd Sheets\0160110-ah- schedule.dgn

Default

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES US RTE 20 (NORTH JUNCTION)			
SCALE: N.T.S.	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	25
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

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



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)  
 $D = 3^\circ 08' 59''$   
 $R = 1,819.00'$   
 $T = 370.73'$   
 $L = 731.43'$   
 $E = 37.39'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 108+19.04$   
 $P.T. STA. = 115+50.48$

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

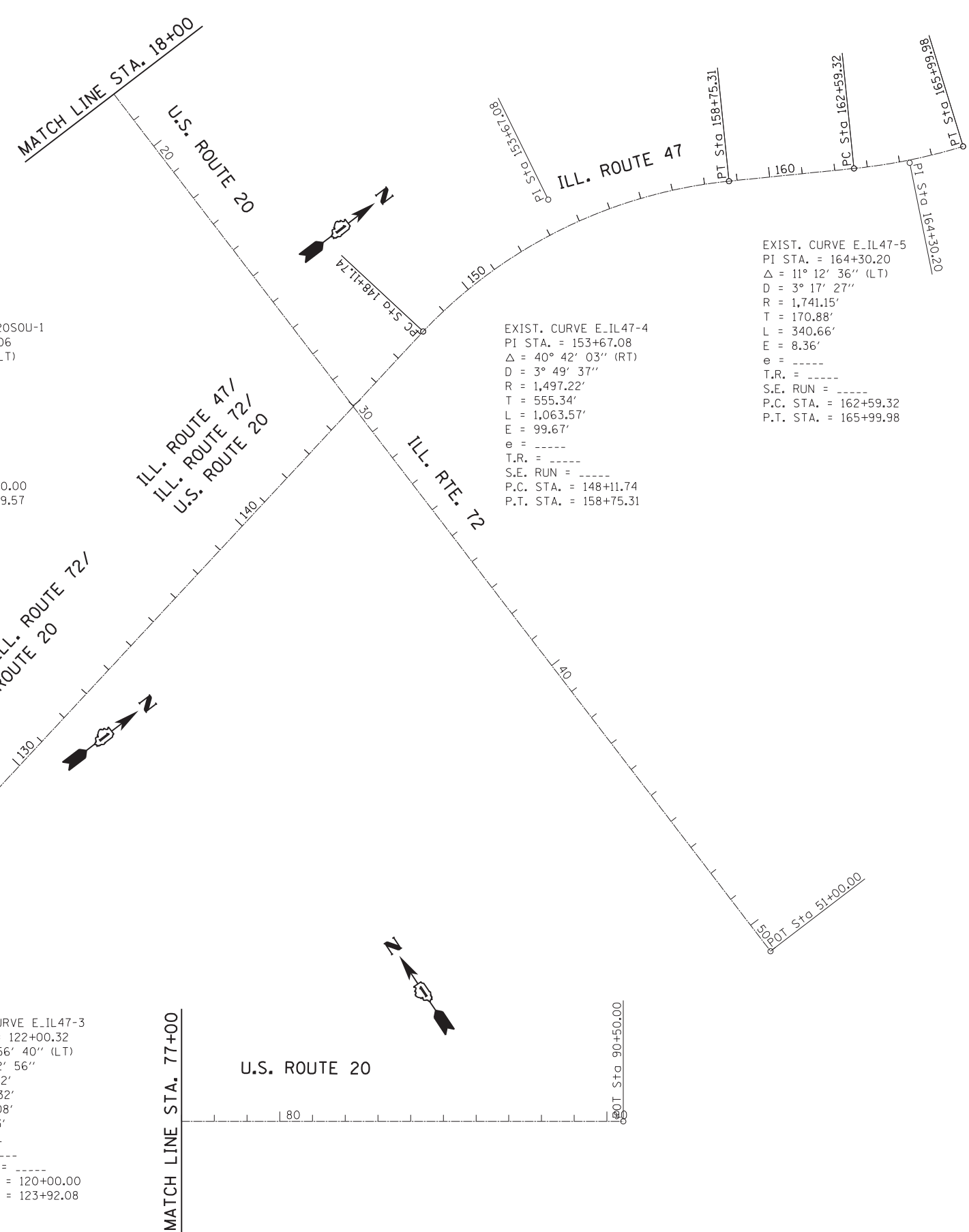
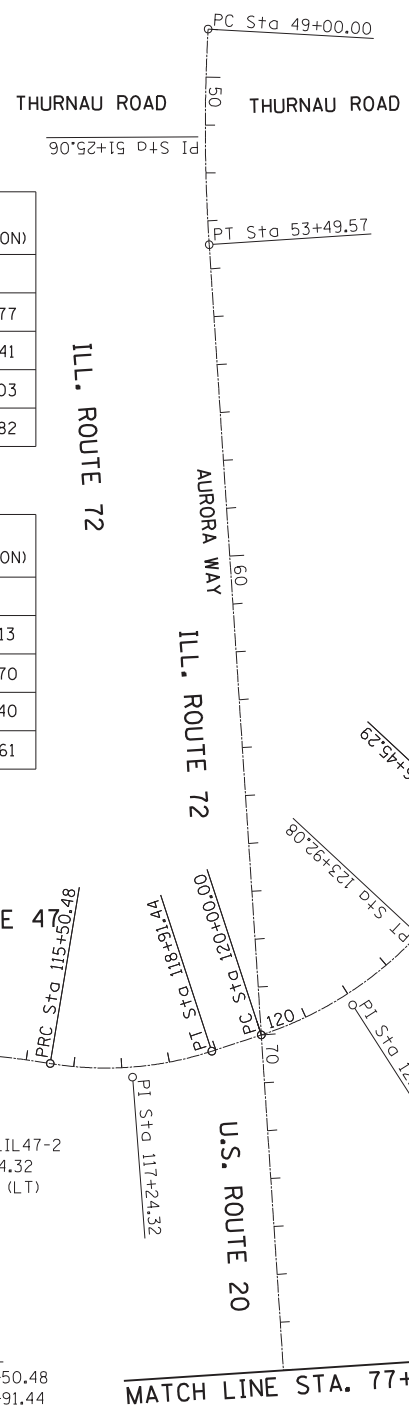
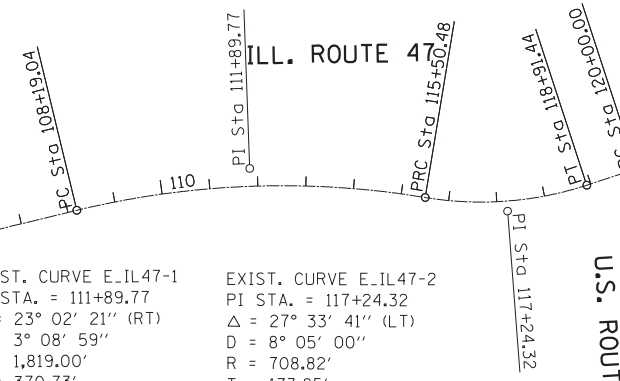
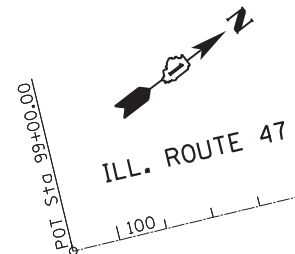
EXIST. CURVE E..20SOU-1  
 PI STA. = 51+25.06  
 $\Delta = 6^\circ 58' 33''$  (LT)  
 $D = 1^\circ 33' 06''$   
 $R = 3,692.52'$   
 $T = 225.06'$   
 $L = 449.57'$   
 $E = 6.85'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 49+00.00$   
 $P.T. STA.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

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

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

EXIST. CURVE E..IL47-3  
 PI STA. = 122+00.32  
 $\Delta = 28^\circ 56' 40''$  (LT)  
 $D = 7^\circ 22' 56''$   
 $R = 776.12'$   
 $T = 200.32'$   
 $L = 392.08'$   
 $E = 25.43'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 120+00.00$   
 $P.T. STA. = 123+92.08$

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various Work Order No. 10 (North) - US 20 at IL 47 & IL 72\Civil\Cadd Sheets\0160110-ah-ATB.dgn



USER NAME = chrishfish	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

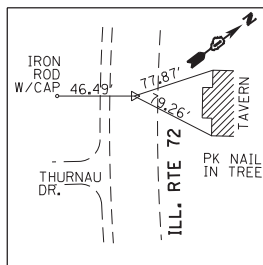
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U.S. RTE. 20 AT ILL. RTE. 47 AND ILL. RTE. 72	
SCALE: 1"=200'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	26
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No.10 (Nor-th) US 20 et. IL 47 & IL 72\Civil\Cadd Sheets\0160110-shr-ATB.dgn

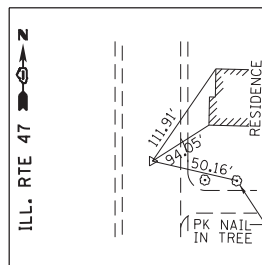
**TIE POINT #1**

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



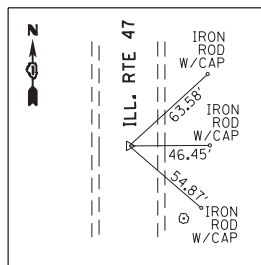
**TIE POINT #2**

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



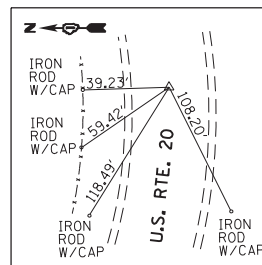
**TIE POINT #3**

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



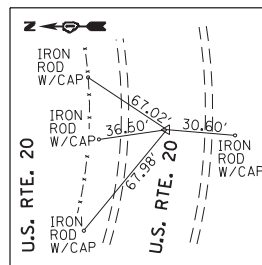
**TIE POINT #4**

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



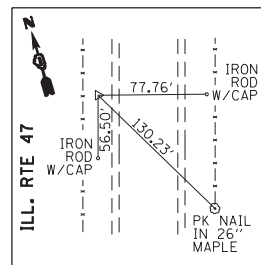
**TIE POINT #5**

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



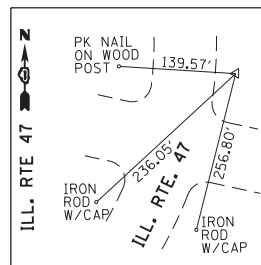
**TIE POINT #6**

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



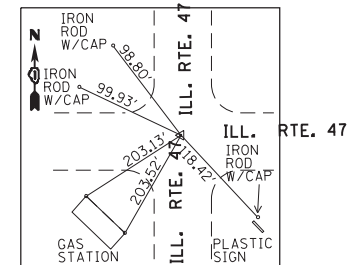
**TIE POINT #7**

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



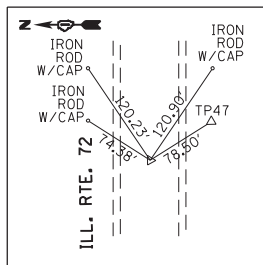
**TIE POINT #9**

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



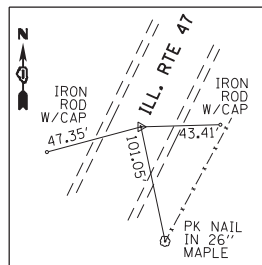
**TIE POINT #10**

SET PK NAIL  
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N=1974908.4483  
E=952736.0819



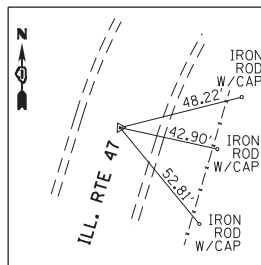
**TIE POINT #11**

SET PK NAIL  
STA. 100+00  
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E=950093.8924



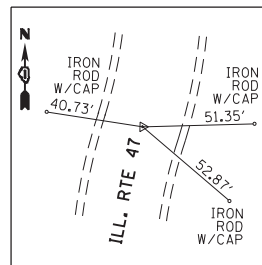
**TIE POINT #12**

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



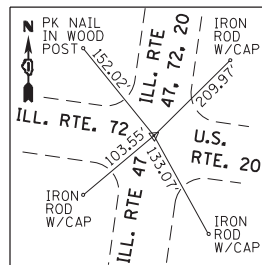
**TIE POINT #13**

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



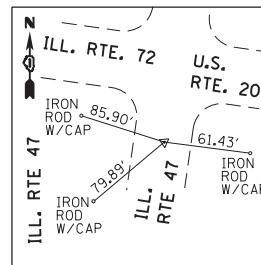
**TIE POINT #14**

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



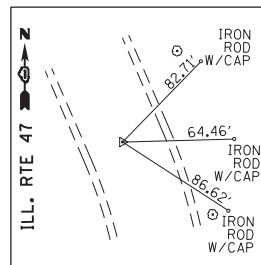
**TIE POINT #15**

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



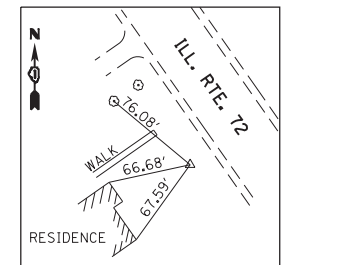
**TIE POINT #16**

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



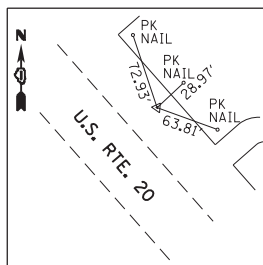
**TIE POINT #17**

SET IRON ROD W/CAP  
N=1973304.0917  
E=949723.4483  
ELEV. 950.2300



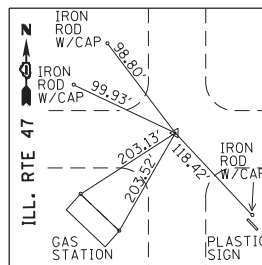
**TIE POINT #18**

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



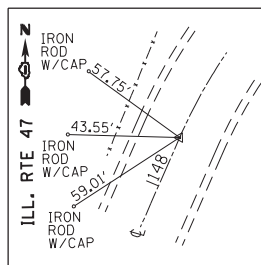
**TIE POINT #19**

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



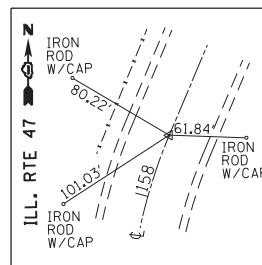
**TIE POINT #20**

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



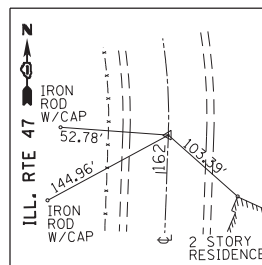
**TIE POINT #21**

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



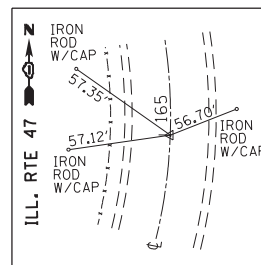
**TIE POINT #22**

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



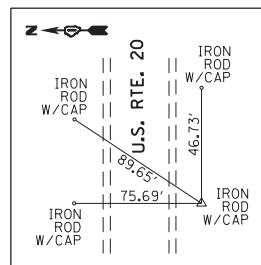
**TIE POINT #23**

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



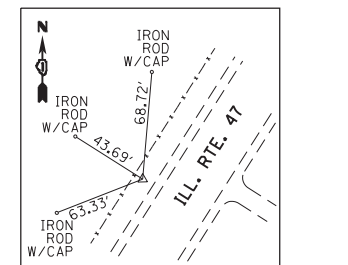
**TIE POINT #47**

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



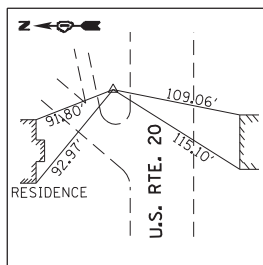
**TIE POINT #50**

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

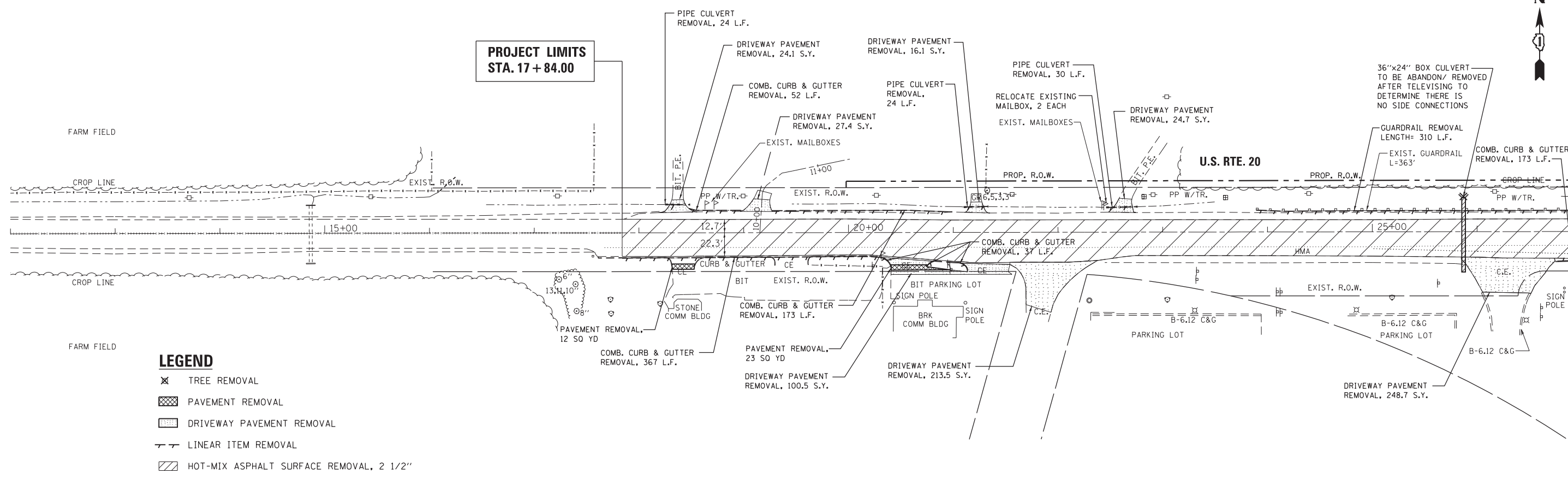
**ALIGNMENT, TIES AND BENCHMARKS  
U.S. RTE. 20 AT ILL. RTE. 47 AND ILL. RTE. 72**

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

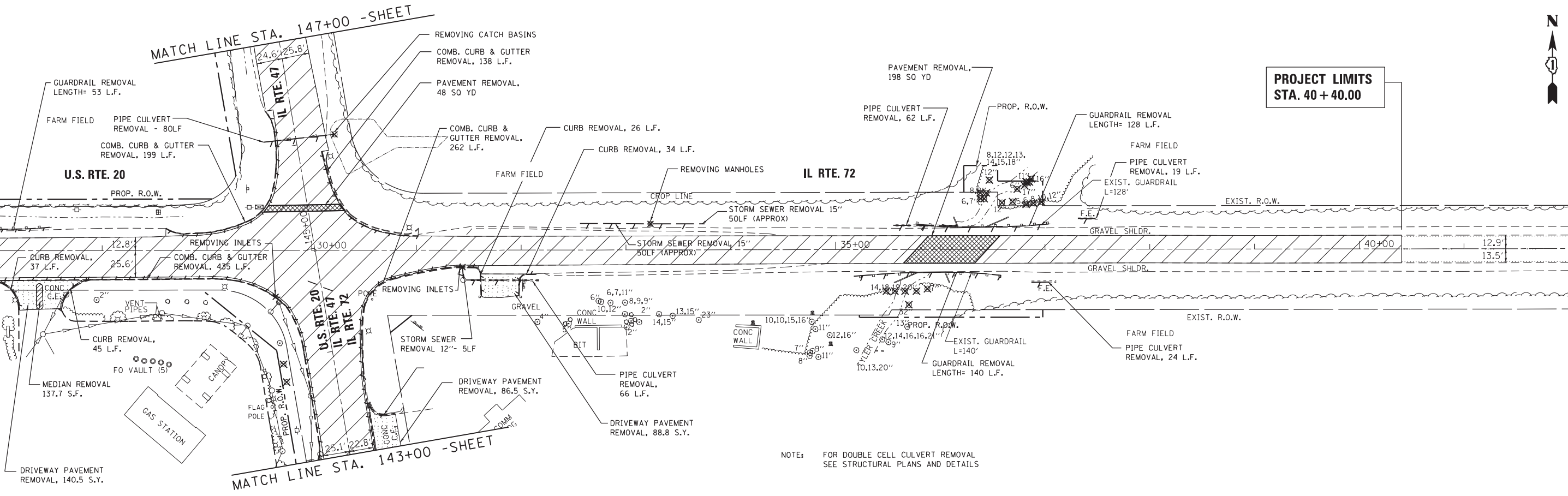
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	27
CONTRACT NO. 60710				
ILLINOIS FED. AID PROJECT				

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 -

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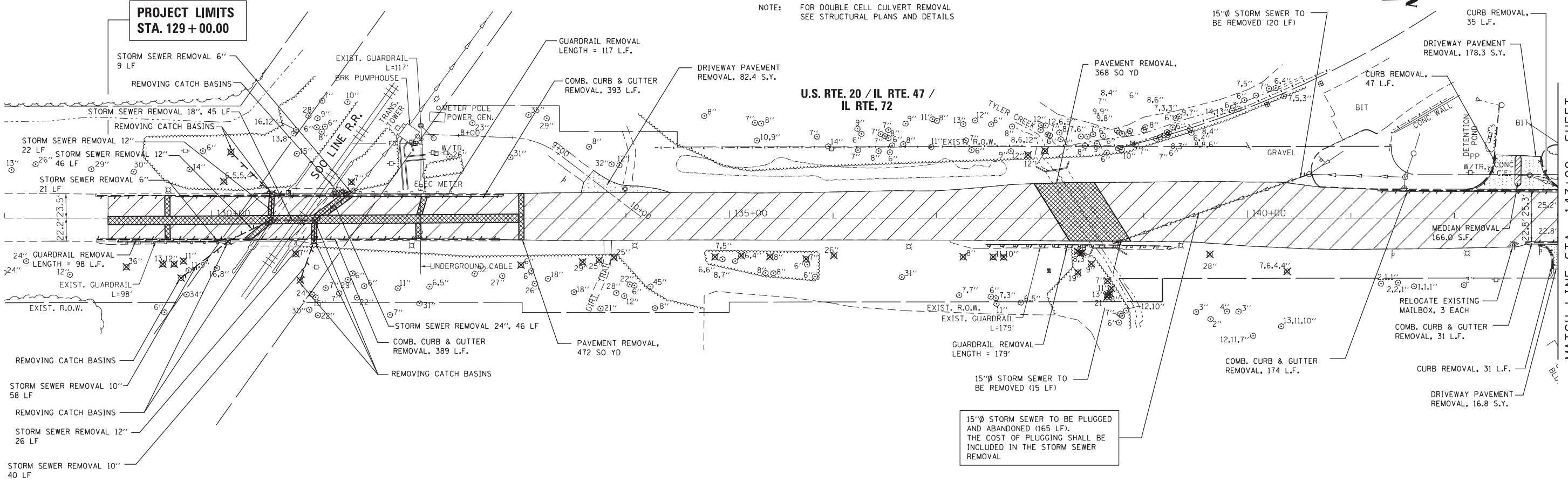
MATCH LINE STA. 27+00 - SEE BELOW



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

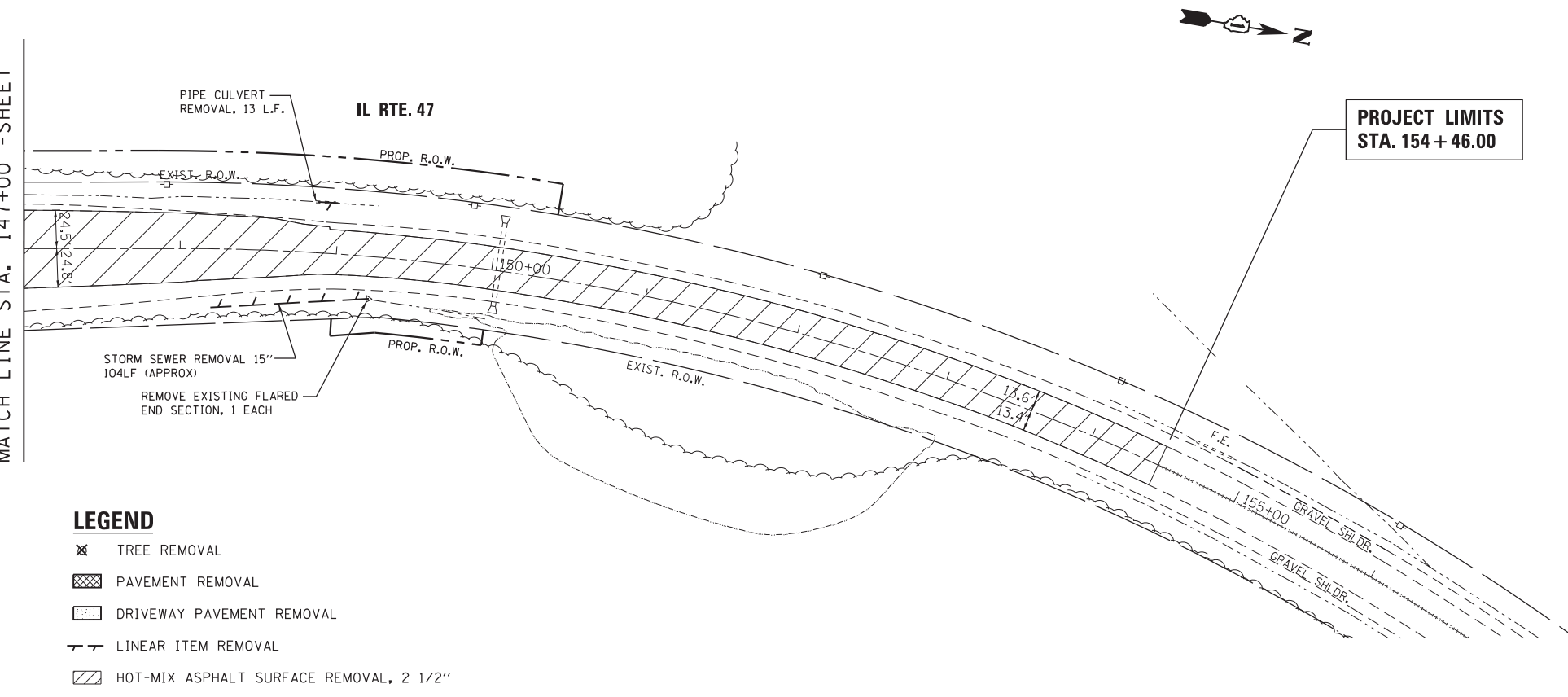
FILE NAME = Default	USER NAME = chr1sfish	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CONDITIONS AND REMOVAL PLAN US RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -					345	106-S-N-1	KANE	167	28
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -	SCALE: 1"=50'			SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 60T10		
ILLINOIS FED. AID PROJECT												

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



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MATCH LINE STA. 147+00 - SHEET



**TREE REMOVAL SCHEDULE**

STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø	STATION	OFFSET	UNIT	Ø
35+48.51	39.7'	RT	14"	36+86.93	67.3'	LT	16"	136+00.77	36.2'	RT	26"				
35+56.56	39.7'	RT	18"	36+88.91	44.0'	LT	8"	137+25.69	37.3'	RT	8"				
35+66.40	39.7'	RT	19"	36+96.80	45.1'	LT	10"	137+54.61	37.5'	RT	11"				
35+69.96	52.6'	RT	32"	129+17.71	47.0'	RT	36"	137+64.77	37.5'	RT	10"				
35+77.23	39.9'	RT	20"	129+52.75	44.5'	RT	13"	137+88.13	61.2'	LT	12"				
35+87.70	37.5'	RT	7"	129+63.82	44.5'	RT	12"	138+04.72	65.0'	LT	12"				
36+38.44	48.4'	LT	6"	129+72.77	41.4'	RT	11"	138+36.04	32.0'	RT	7"				
36+38.44	53.9'	LT	8"	130+11.62	35.4'	LT	6"	138+36.31	52.4'	RT	19"				
36+42.00	48.4'	LT	7"	130+81.32	34.4'	RT	7"	138+38.79	34.0'	RT	8"				
36+44.09	53.9'	LT	8"	131+34.95	35.0'	LT	7"	138+40.73	33.2'	RT	8"				
36+47.05	66.2'	LT	12"	132+98.70	45.3'	RT	6"	138+49.50	44.2'	RT	9"				
36+58.96	44.6'	LT	12"	133+58.12	42.4'	RT	29"	138+64.70	76.0'	RT	21"				
36+73.60	57.6'	LT	6"	133+74.17	40.7'	RT	25"	138+65.00	60.6'	RT	7"				
36+80.52	61.0'	LT	17"	133+88.28	38.0'	RT	25"	138+65.40	74.0'	RT	13"				
36+82.02	42.9'	LT	6"	134+86.01	37.3'	RT	7"	138+67.60	72.8'	RT	8"				
36+82.12	64.6'	LT	11"	135+11.32	36.3'	RT	6"	138+68.72	68.0'	RT	11"				
36+83.02	63.8'	LT	11"	135+39.02	37.2'	RT	8"	139+63.79	35.0'	RT	28"				
36+85.26	64.2'	LT	11"	135+73.96	39.3'	RT	7"	140+38.49	51.6'	RT	7"				

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

FILE NAME =	USER NAME = chr1s1f1sh	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**

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

SCALE: 1"=50'      SHEET 2 OF 2 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	29
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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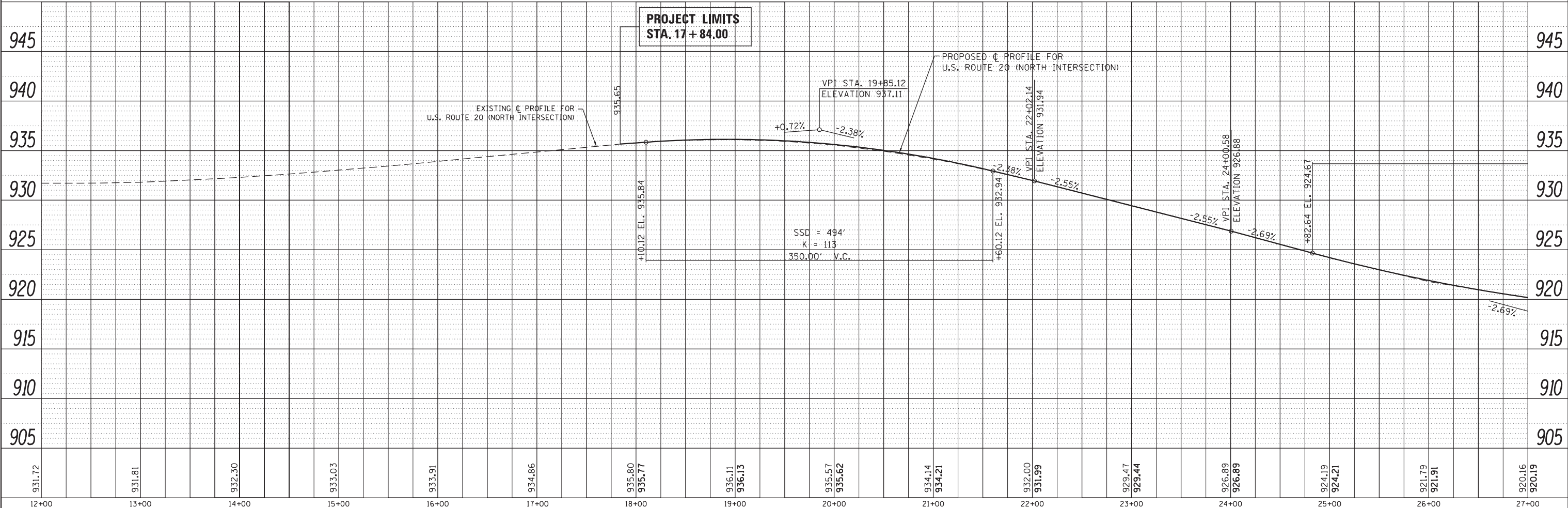
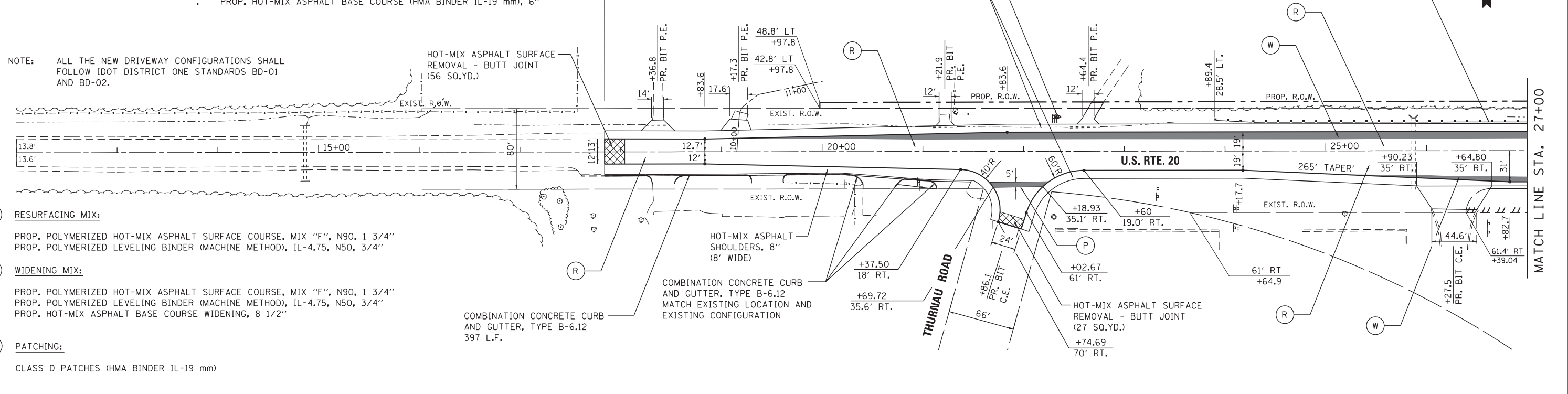
**LEGEND**

- PAVEMENT WIDENING
- /// TEMPORARY EASEMENT

- COMMERCIAL DRIVEWAYS (C.E.) MIX:**
- PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
  - PROP. HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8"
- PRIVATE DRIVEWAYS (P.E.) MIX:**
- PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
  - PROP. HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6"

NOTE: ALL THE NEW DRIVEWAY CONFIGURATIONS SHALL FOLLOW IDOT DISTRICT ONE STANDARDS BD-01 AND BD-02.

- (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)

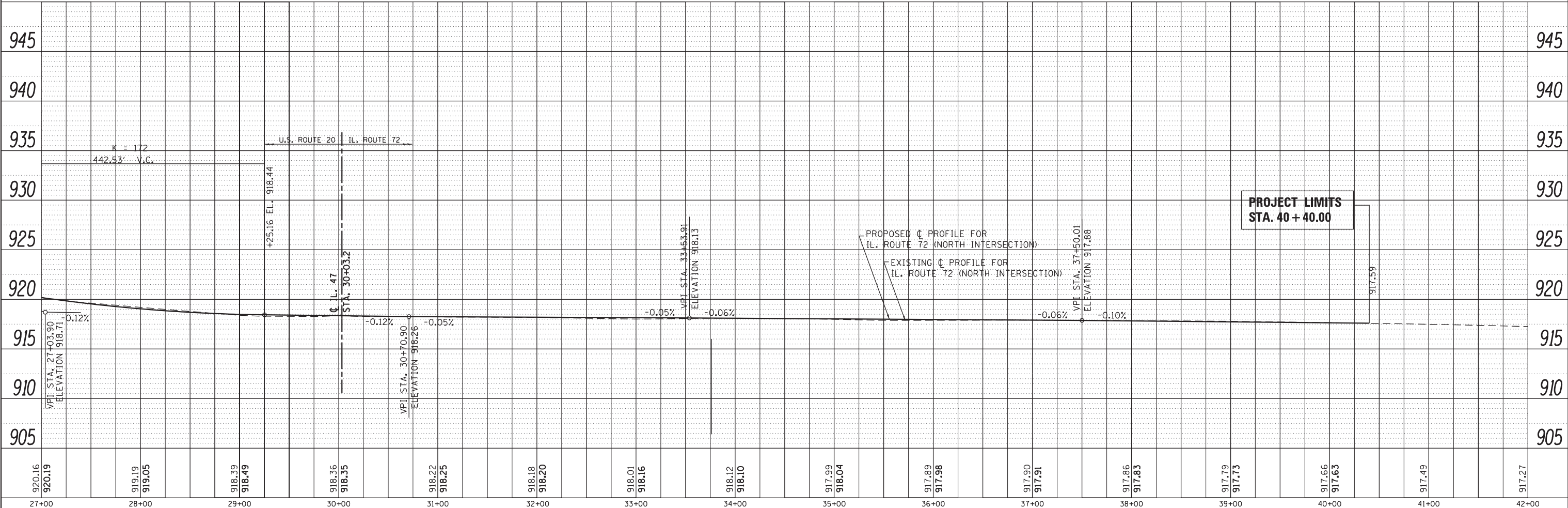
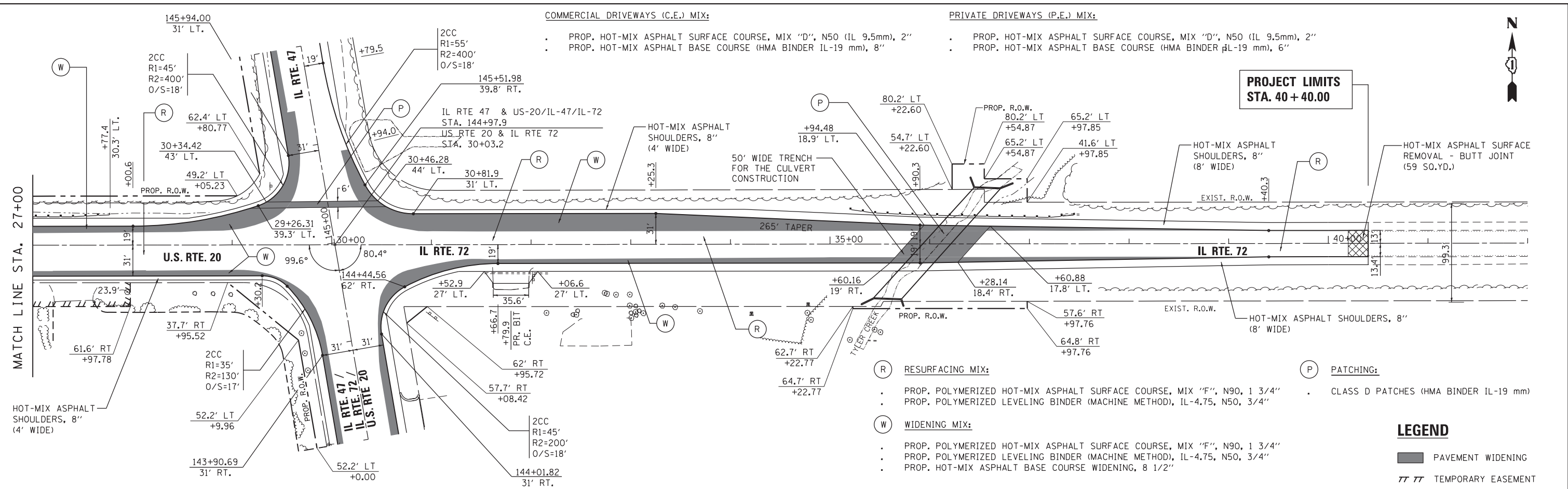


FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE US RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -		SCALE: 1"=50'	SHEET 1	OF 4 SHEETS	STA. 17+84	TO STA. 27+00	345	106-S-N-1	KANE	167	30
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -		CONTRACT NO. 60T10									
					ILLINOIS FED. AID PROJECT									

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

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

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FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE</b> <b>US RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DRAWN - MTM	REVISIED -		345	106-S-N-1	KANE	167	31			
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISIED -		CONTRACT NO. 60T10							
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISIED -		ILLINOIS FED. AID PROJECT							

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 27+00 TO STA. 40+40

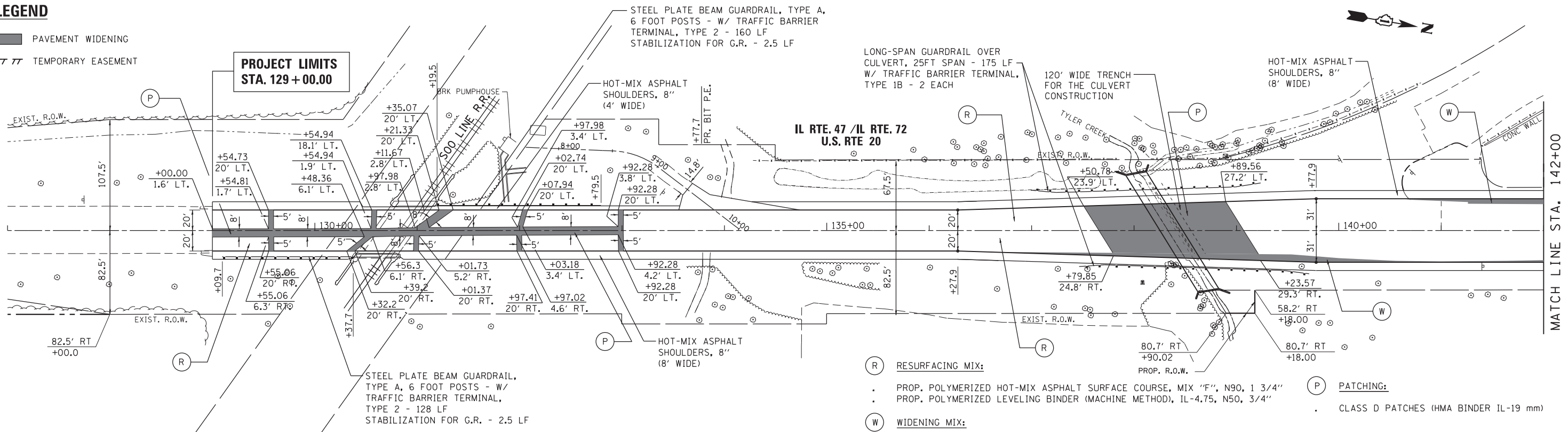
**LEGEND**

- PAVEMENT WIDENING
- TEMPORARY EASEMENT

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

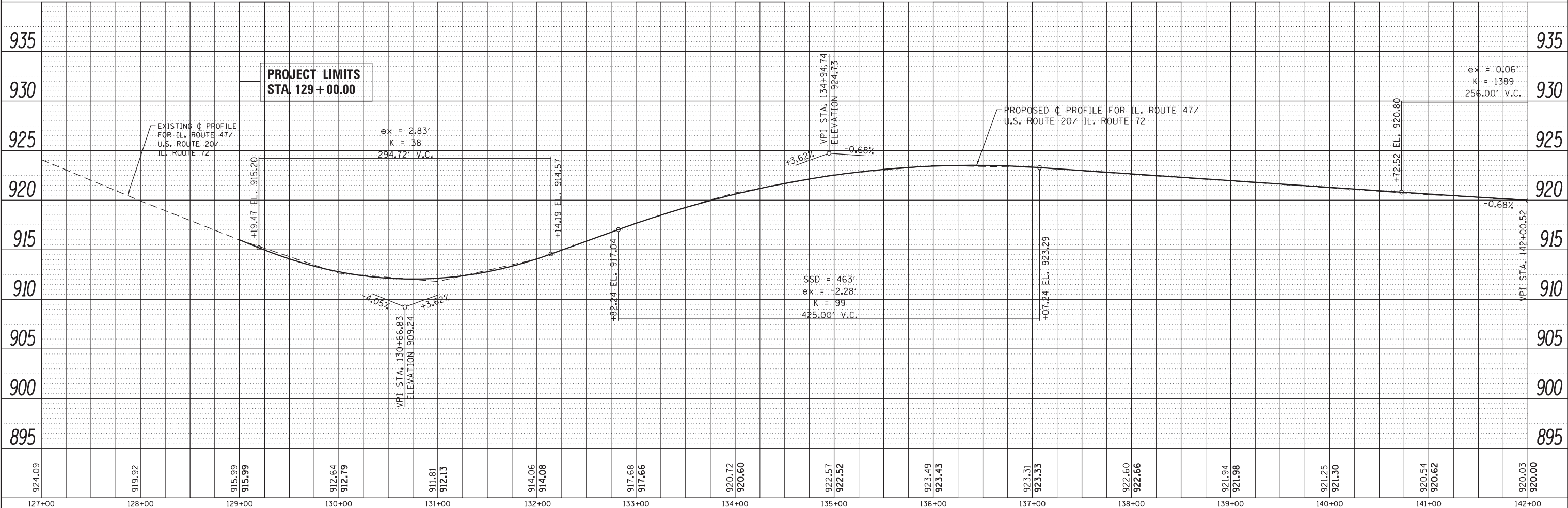
PROFILE	DATE	BY

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- COMMERCIAL DRIVEWAYS (C.E.) MIX:**
- PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
  - PROP. HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8"
- PRIVATE DRIVEWAYS (P.E.) MIX:**
- PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
  - PROP. HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6"

- (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)

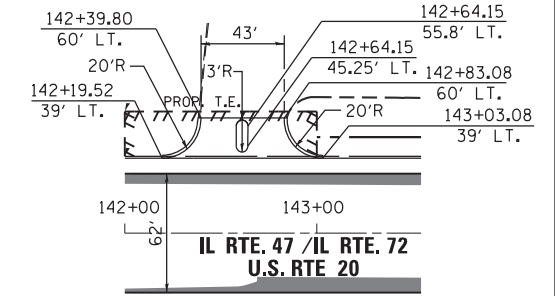
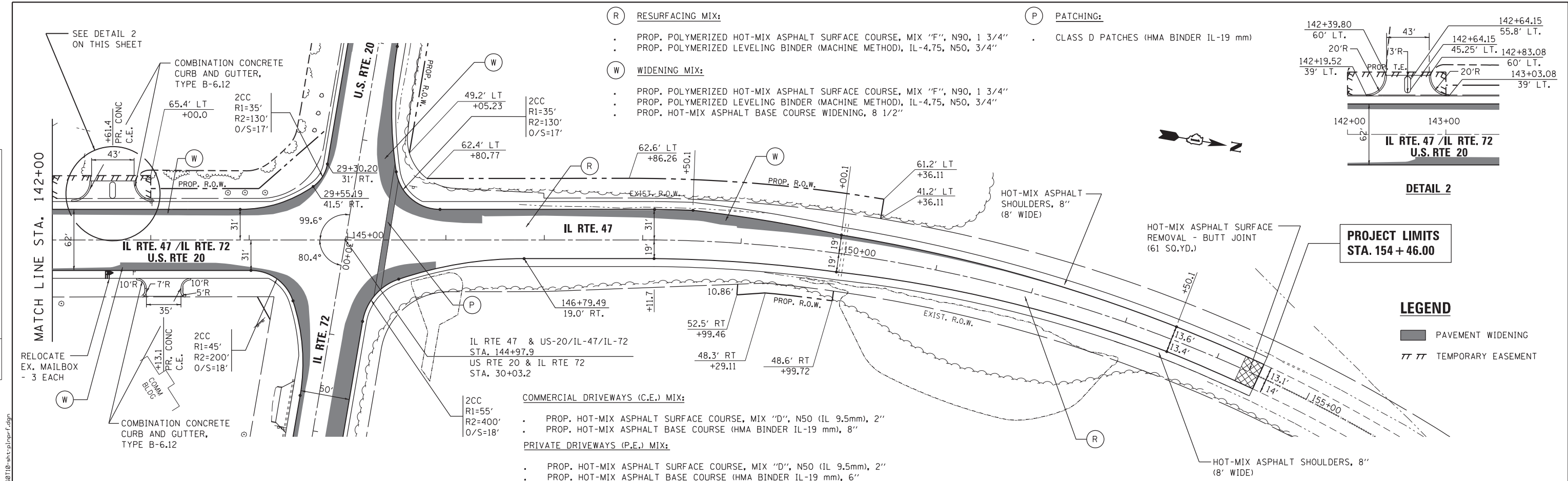


FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE US RTE 20 (NORTH JUNCTION)</b>	DRAWN - MTM	REVISED -	F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 32
Default	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -			CONTRACT NO. 60T10						
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -			ILLINOIS FED. AID PROJECT						
						SCALE: 1"=50'    SHEET 3 OF 4 SHEETS    STA. 129+00 TO STA. 142+00						



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

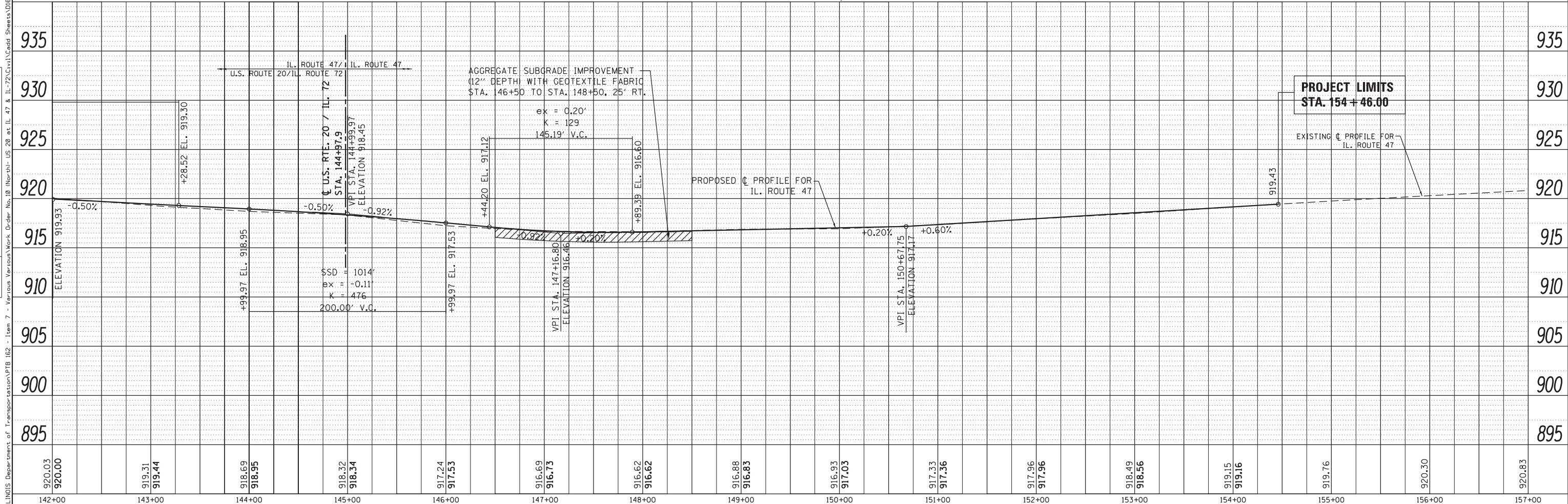
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



**PROJECT LIMITS**  
STA. 154 + 46.00

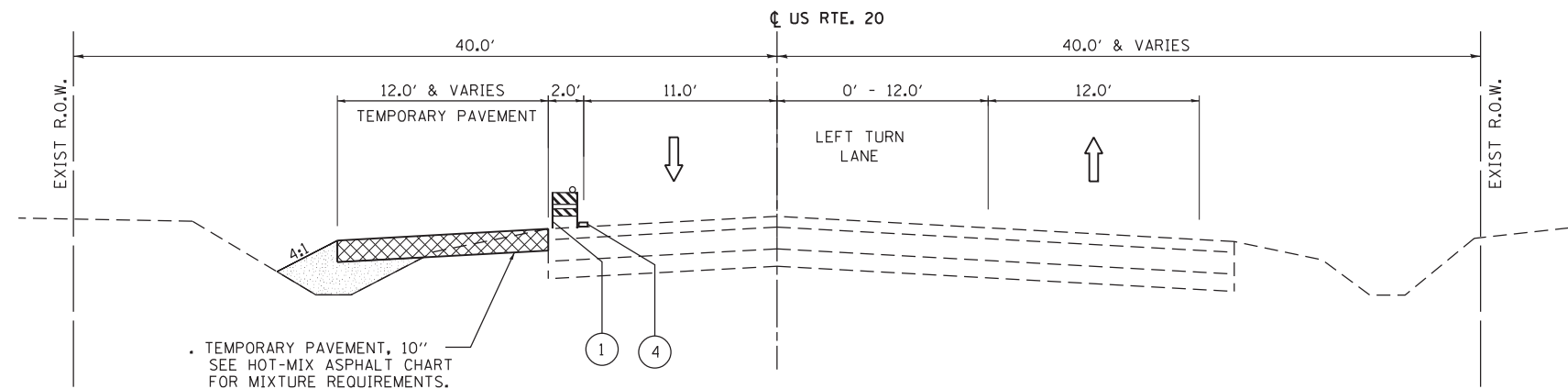
**LEGEND**

- PAVEMENT WIDENING
- TEMPORARY EASEMENT



FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE US RTE 20 (NORTH JUNCTION)</b>				F.A.P. R.T.E. = 345	SECTION = 106-S-N-1	COUNTY = KANE	TOTAL SHEETS = 167	SHEET NO. = 33
Default	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -		SCALE: 1"=50'	SHEET 4	OF 4 SHEETS	STA. 142+00	TO STA. 154+60	CONTRACT NO. 60T10			
	PLOT DATE = 4/1/2014	DATE = 3/31/14	REVISED -		ILLINOIS FED. AID PROJECT								

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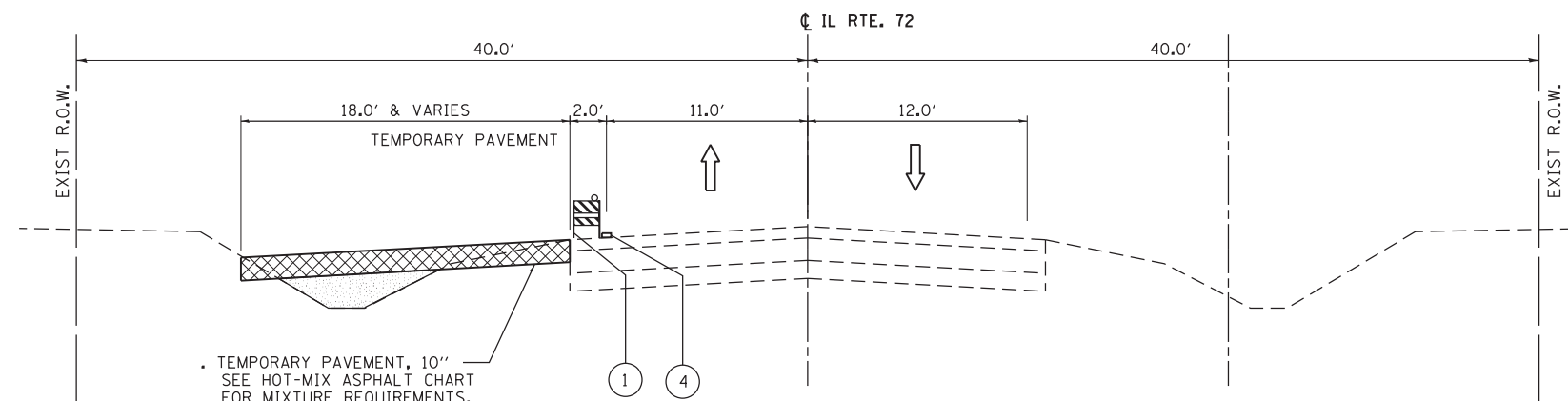
TEMPORARY PAVEMENT, 10"  
SEE HOT-MIX ASPHALT CHART  
FOR MIXTURE REQUIREMENTS.

TEMPORARY PAVEMENT WIDTH  
AND LOCATIONS VARIES, SEE  
MAINTENANCE OF TRAFFIC  
PLANS FOR DETAILS

**M.O.T. TYPICAL SECTION - STAGE 1**

**U.S. ROUTE 20**

STA. 17+84 TO STA. 30+03  
(LOOKING EAST)



TEMPORARY PAVEMENT, 10"  
SEE HOT-MIX ASPHALT CHART  
FOR MIXTURE REQUIREMENTS.

TEMPORARY PAVEMENT WIDTH  
AND LOCATIONS VARIES, SEE  
MAINTENANCE OF TRAFFIC  
PLANS FOR DETAILS

**M.O.T. TYPICAL SECTION - STAGE 1**

**IL ROUTE 72**

STA. 30+03 TO STA. 40+40  
(LOOKING EAST)

**LEGEND**

- ① TYPE II BARRICADE OR DOUBLE VERTICAL PANEL WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 25' C-C
- 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

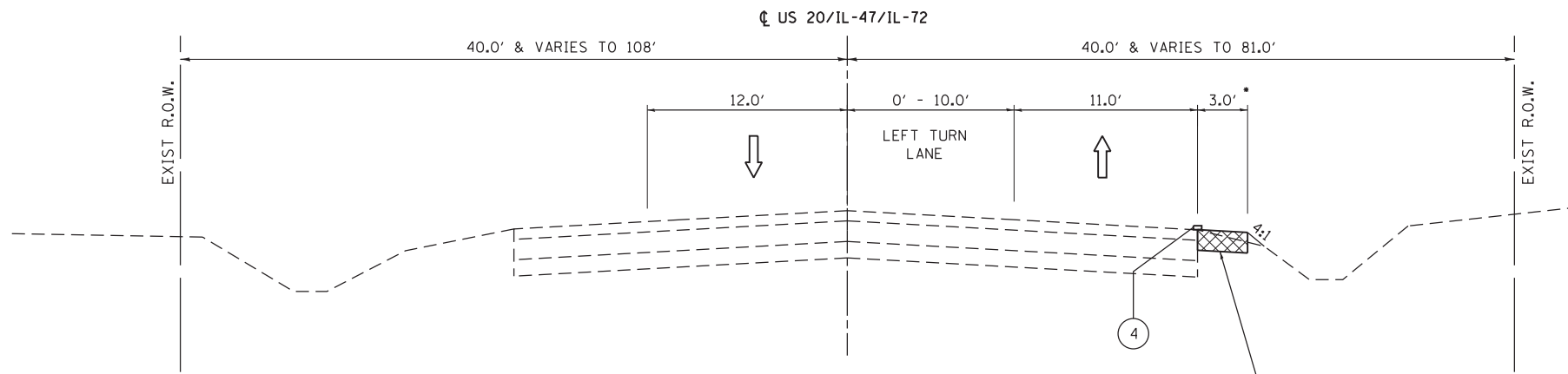
▨ WORK ZONE

▩ TEMPORARY PAVEMENT

**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 -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 TYPICAL SECTION - NORTH JUNCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM			REVISED -	345	106-S-N-1	KANE	167
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -		SCALE: N.T.S.	SHEET 1	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60T10
		DATE - 3/31/14	REVISED -							



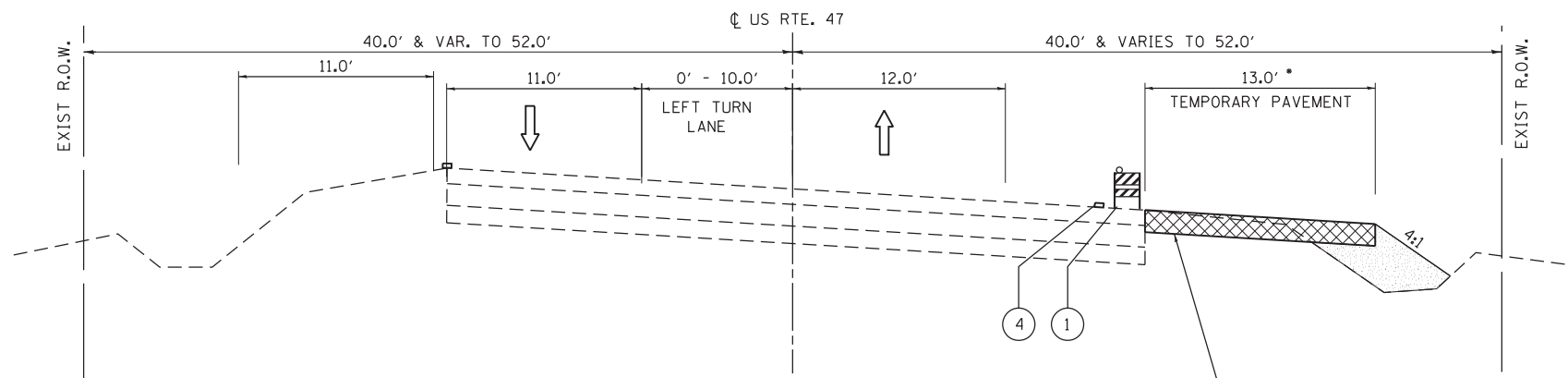
**M.O.T. TYPICAL SECTION - STAGE 1**  
**U.S. ROUTE 20 / IL ROUTE 47 / IL ROUTE 72**

STA. 129+00 TO STA. 144+97.9  
 (LOOKING NORTH)

- TEMPORARY PAVEMENT LOCATED BETWEEN STA. 134+68 TO 137+16 VARIES BETWEEN 0' TO 3.0'

TEMPORARY PAVEMENT, 10"  
 SEE HOT-MIX ASPHALT CHART FOR MIXTURE REQUIREMENTS.

TEMPORARY PAVEMENT WIDTH AND LOCATIONS VARIES, SEE MAINTENANCE OF TRAFFIC PLANS FOR DETAILS



**M.O.T. TYPICAL SECTION STAGE 1**  
**IL ROUTE 47**

STA. 144+97.9 TO STA. 154+46  
 (LOOKING NORTH)

- TEMPORARY PAVEMENT LOCATED BETWEEN STA. 149+00 TO 156+00 VARIES BETWEEN 0' TO 13.0'

TEMPORARY PAVEMENT, 10"  
 SEE HOT-MIX ASPHALT CHART FOR MIXTURE REQUIREMENTS.

TEMPORARY PAVEMENT WIDTH AND LOCATIONS VARIES, SEE MAINTENANCE OF TRAFFIC PLANS FOR DETAILS

**LEGEND**

- ① TYPE II BARRICADE OR DOUBLE VERTICAL PANEL WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 25' C-C
- 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

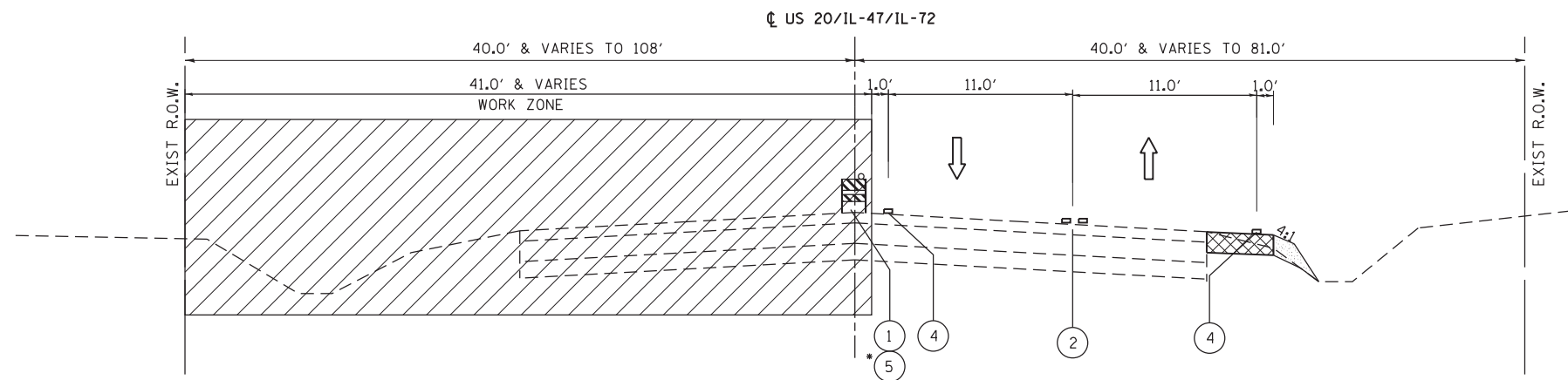
▩ TEMPORARY PAVEMENT

**NOTES**

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

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 TYPICAL SECTION - NORTH JUNCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-1	KANE	167	35	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			<b>CONTRACT NO. 60T10</b>					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 2	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

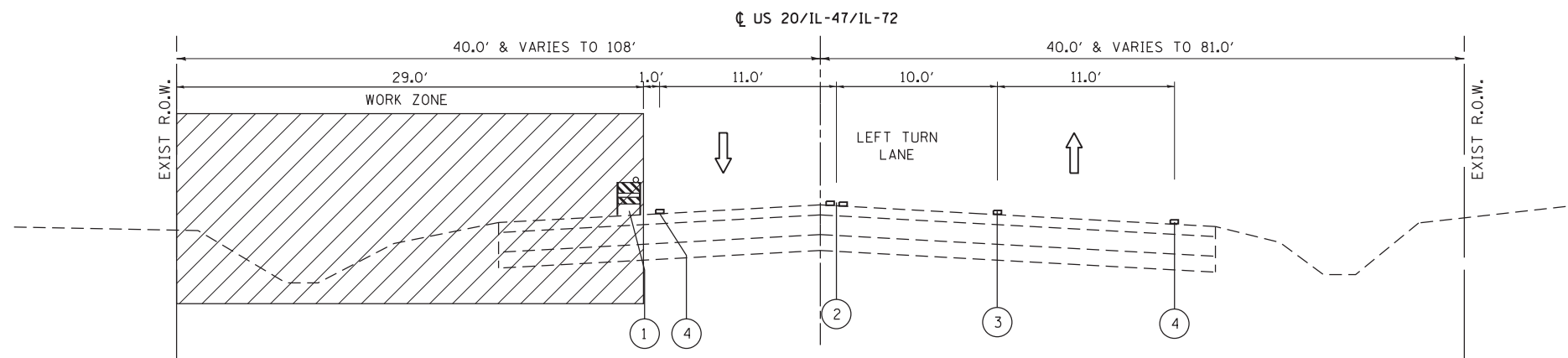




**M.O.T. TYPICAL SECTION – STAGE 2**  
**U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72**

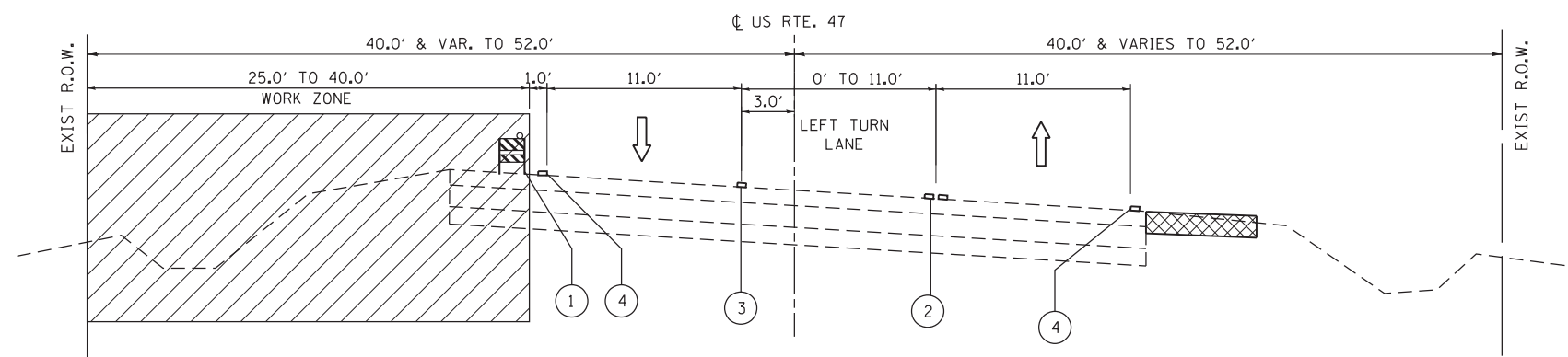
\* TEMPORARY CONCRETE BARRIER LOCATED BETWEEN STA. 137+50 TO 139+40

STA. 129+00 TO STA. 144+97.9  
 (LOOKING NORTH)



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

AT INTERSECTION  
 (LOOKING NORTH)



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

STA. 144+98 TO STA. 154+46  
 TEMPORARY PAVEMENT STA. 149+00 TO STA. 156+00  
 (LOOKING NORTH)

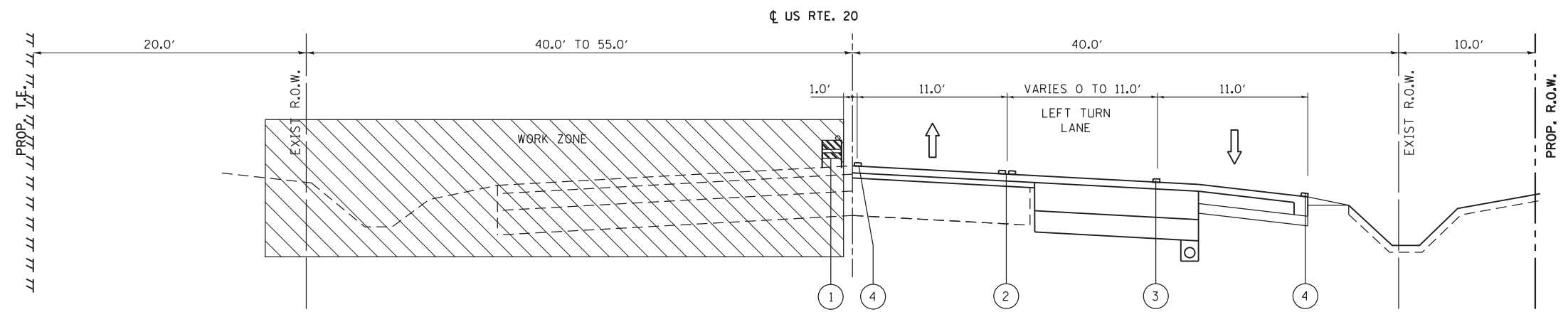
**LEGEND**

- ① TYPE II BARRICADE OR DOUBLE VERTICAL PANEL WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 25' C-C
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE 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
- ▩ TEMPORARY PAVEMENT

**NOTES**

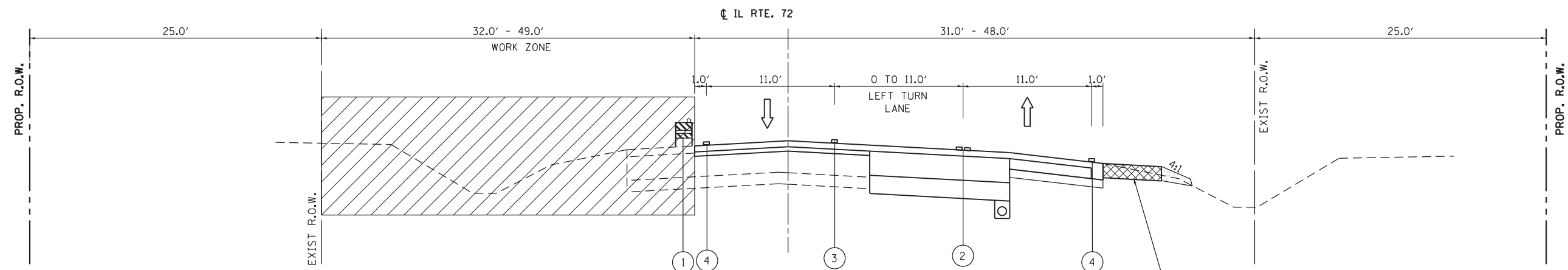
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. SEE STAGING PLAN AND STANDARD 701422 FOR ADDITIONAL INFORMATION.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 TYPICAL SECTION – NORTH JUNCTION</b>			F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 37
Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -		SCALE: N.T.S.	SHEET 4	OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 60T10		
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 3/31/14	REVISED -									



**M.O.T. TYPICAL SECTION – STAGE 3**  
**U.S. ROUTE 20**

STA. 17+84 TO STA. 30+03  
 (LOOKING EAST)



**M.O.T. TYPICAL SECTION – STAGE 3**  
**IL ROUTE 72**

STA. 30+03 TO STA. 40+40  
 (LOOKING WEST)

\* TEMPORARY CONCRETE BARRIER LOCATED  
 BETWEEN STA. 35+00 TO 37+25

TEMPORARY PAVEMENT, 10"  
 SEE HOT-MIX ASPHALT CHART  
 FOR MIXTURE REQUIREMENTS.

TEMPORARY PAVEMENT WIDTH  
 AND LOCATIONS VARIES, SEE  
 MAINTENANCE OF TRAFFIC  
 PLANS FOR DETAILS

**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.
3. IN ORDER TO MAINTAIN THE LEFT-TURN MOVEMENT THE RESURFACING OF THE EXISTING PAVEMENT FOR THE STORAGE AND TAPER OF THE LEFT-TURN LANES FOR ALL FOUR LEGS OF THE INTERSECTION NAMELY US-20, IL-47, IL-72 AND US-20/IL-47/IL-72 WILL HAVE TO BE STAGED SEPARATELY.

**LEGEND**

- ① TYPE II BARRICADE OR DOUBLE VERTICAL PANEL WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 25' C-C
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE 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

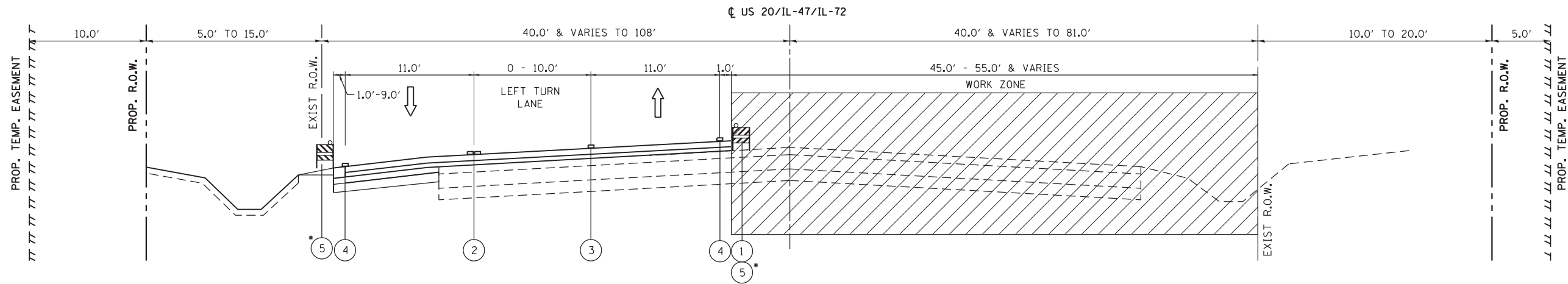
FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM	REVISED -
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -
		DATE - 3/31/14	REVISED -

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

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3**  
**TYPICAL SECTION – NORTH JUNCTION**

SCALE: N.T.S. SHEET 5 OF 6 SHEETS STA. TO STA.

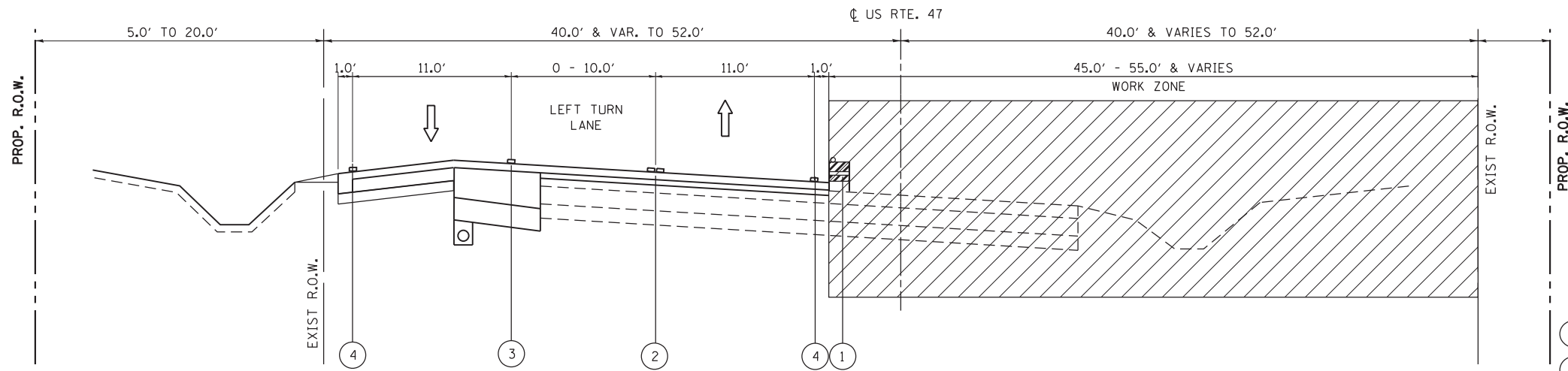
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	38
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				



**M.O.T. TYPICAL SECTION – STAGE 3**  
**U.S. ROUTE 20 /IL ROUTE 47 /IL ROUTE 72**

STA. 129+00 TO STA. 144+97.9  
 (LOOKING NORTH)

\* TEMPORARY CONCRETE BARRIER LOCATED  
 BETWEEN STA. 137+50 TO 139+00



**M.O.T. TYPICAL SECTION – STAGE 3**  
**IL ROUTE 47**

STA. 144+98 TO STA. 154+46  
 (LOOKING NORTH)

**LEGEND**














- ① TYPE II BARRICADE OR DOUBLE VERTICAL PANEL WITH STEADY BURN BI-DIRECTIONAL LIGHT @ 25' C-C
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE 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 701326 FOR ADDITIONAL INFORMATION.
3. IN ORDER TO MAINTAIN THE LEFT-TURN MOVEMENT THE RESURFACING OF THE EXISTING PAVEMENT FOR THE STORAGE AND TAPER OF THE LEFT-TURN LANES FOR ALL FOUR LEGS OF THE INTERSECTION NAMELY US-20, IL-47, IL-72 AND US-20/IL-47/IL-72 WILL HAVE TO BE STAGED SEPARATELY.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC STAGE 3</b> <b>TYPICAL SECTION – NORTH JUNCTION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Default	PLOT SCALE = 10.0000' / in.	DRAWN - MTM			REVISED -	345	106-S-N-1	KANE	167
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -	SCALE: N.T.S.	SHEET 6 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 60T10		
		DATE - 3/31/14	REVISED -	ILLINOIS FED. AID PROJECT						

**LEGEND**

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE W/  
STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE OR VERTICAL PANEL  
W/ STEADY BURN MONO-DIRECTIONAL LIGHTS  
AT 25' C-C
-  DRUM, W/ STEADY  
BURN BI-DIRECTIONAL LIGHT
-  FLAGGER W/ TRAFFIC CONTROL SIGN
-  DRUM W/ BI-DIRECTIONAL STEADY BURN
-  TYPE III BARRICADE
- ① TEMPORARY PAVEMENT MARKING - LINE 24" (WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 6" (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" (DOUBLE YELLOW 11" C-C)
- ⑥ TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
-  TEMPORARY CONCRETE BARRIER
-  MONODIRECTIONAL BARRIER WALL MARKER
-  IMPACT ATTENUATOR, (FULLY REDIRECTIVE, NARROW)  
TEST LEVEL 3
-  TEMPORARY PAVEMENT

**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.

**TEMPORARY SHEET PILING NOTES:**

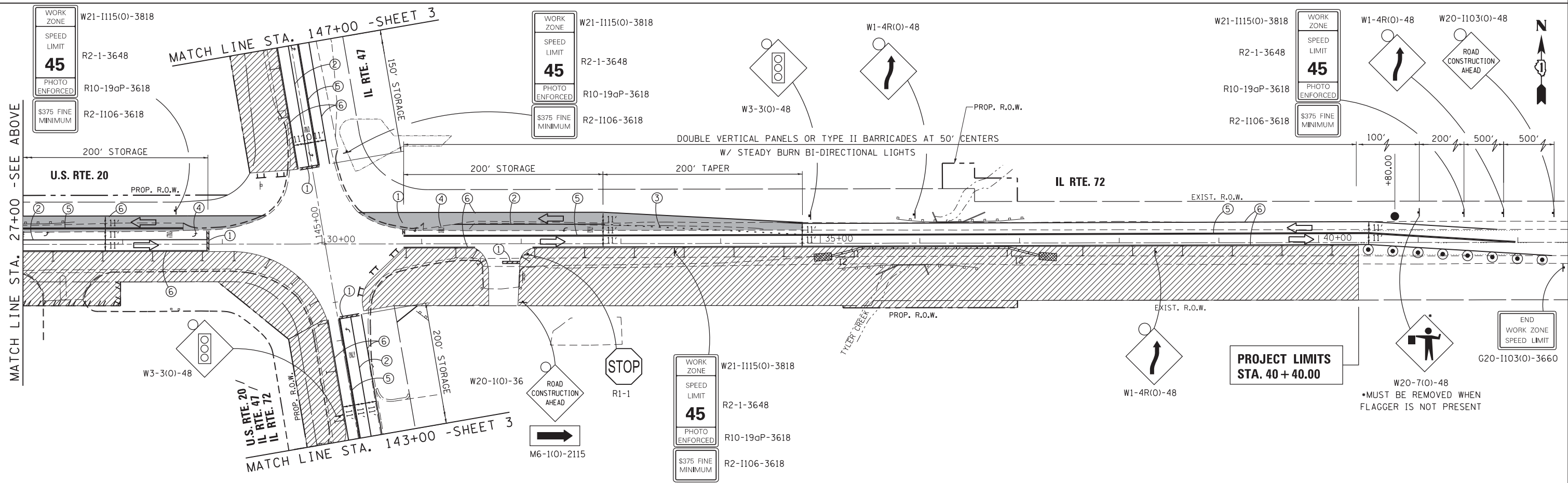
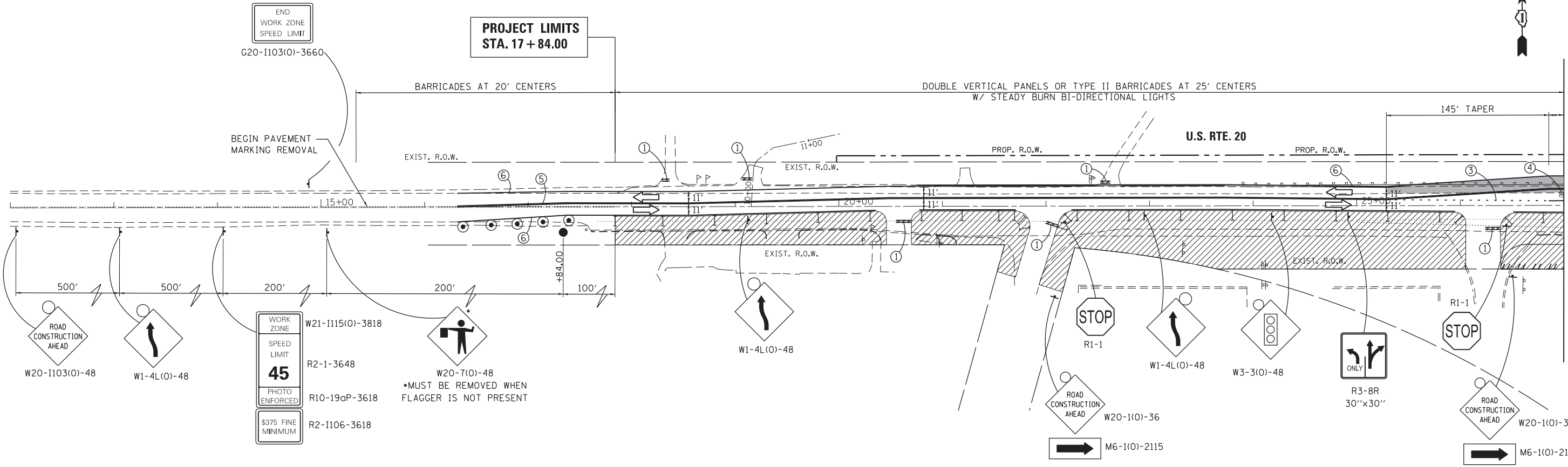
- a. TEMPORARY SHEET PILING SHALL BE INSTALLED IN STAGE I ADJACENT TO EXISTING  
ROADWAY SHOULDER FOR LENGTH AS SHOWN ON SHEET 42. CONTRACTOR TO DETERMINE  
LOCATION OF EXISTING CULVERT FOOTING AND START DRIVING INITIAL SECTION OF  
SHEETING 1'-0" AWAY FROM THE EXISTING FOOTING. THE MINIMUM REQUIRED SECTION  
MODULUS FOR SHEETING WILL BE 12.4 IN<sup>3</sup>/FEET DRIVEN TO A TIP ELEVATION OF  
897 FEET, AND WILL HAVE A TOP OF PILE ELEVATION OF 922 FEET, TO ALIGN WITH  
TOP OF PAVEMENT.
- b. CONTRACTOR SHALL DETERMINE AND INSTALL APPROPRIATE SIZE OF TIMBER LAGGING TO  
RETAIN FILL BETWEEN TEMPORARY SHEETING AND EXISTING CULVERT. CONTRACTOR SHALL  
BACKFILL SPACE BETWEEN THE EXISTING ROADWAY EMBANKMENT AND THE TEMPORARY  
SHEETING WITH POROUS GRANULAR EMBANKMENT COMPACTED IN LIFTS OF 1'-0" TO A  
MODIFIED PROCTOR DENSITY 95%, TO FACILITATE CONSTRUCTION OF THE TEMPORARY  
PAVEMENT FOR STAGE II CONSTRUCTION.
- c. THE TEMPORARY SHEET PILING SHALL BE REMOVED AT THE END OF STAGE II, AFTER  
TRAFFIC HAS BEEN RE-ROUTED TO THE OTHER SIDE OF THE ROADWAY.
- d. THE COST OF FURNISHING, INSTALLING, AND REMOVING THE TIMBER LAGGING AND  
BACKFILLING SHALL BE INCLUDED IN THE PAY ITEM FOR "TEMPORARY SHEET PILING".

FILE NAME =	USER NAME = \$USER\$	DESIGNED - MTM	REVISED - 6/11/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC – STAGING NOTES US RTE 20 (NORTH JUNCTION)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*\$FILEL\$		DRAWN - MTM	REVISED -			345	106-S-N-1	KANE	167	40	
\$MODELNAME\$		CHECKED - BA	REVISED -			<b>CONTRACT NO. 60T10</b>					
	PLOT DATE = \$DATE\$	DATE - 3/31/14	REVISED -			SCALE:	SHEET 1	OF 6	SHEETS	STA.	TO STA.





MATCH LINE STA. 27+00 - SEE BELOW



G:\Projects\ILLINOIS Department of Transportation\17B 162 - Item 7 - Various Various Work Order No. 18 (North) - US 20 at IL 47 & IL 72\Civil\Cadd Sheets\162110-sht-staging.dgn

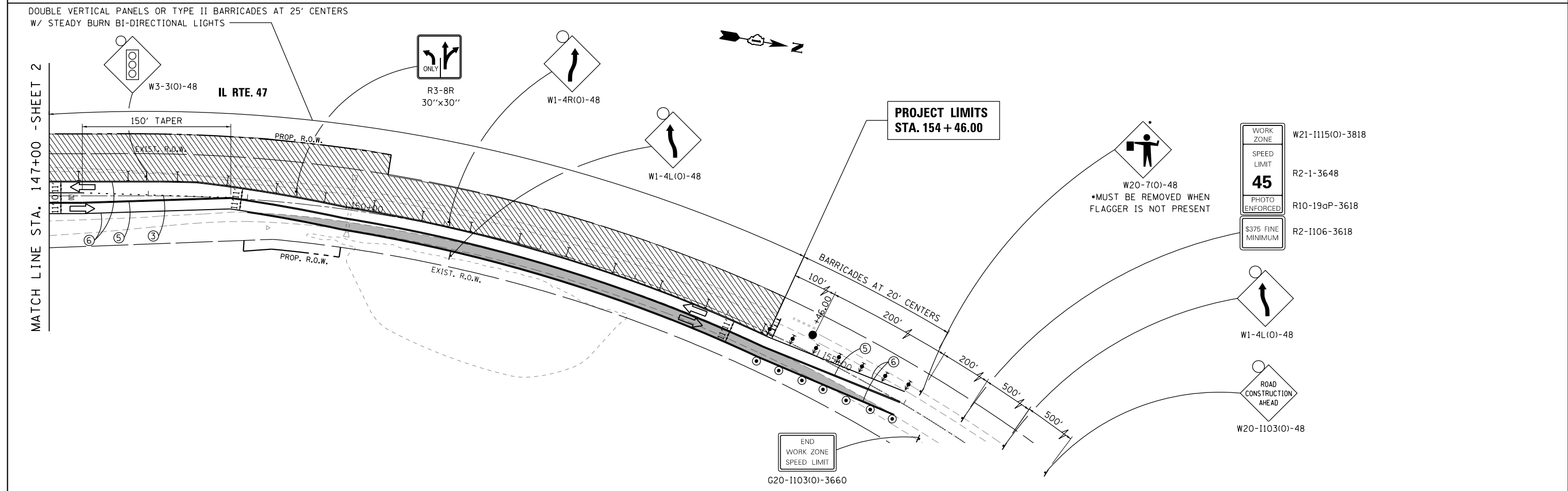
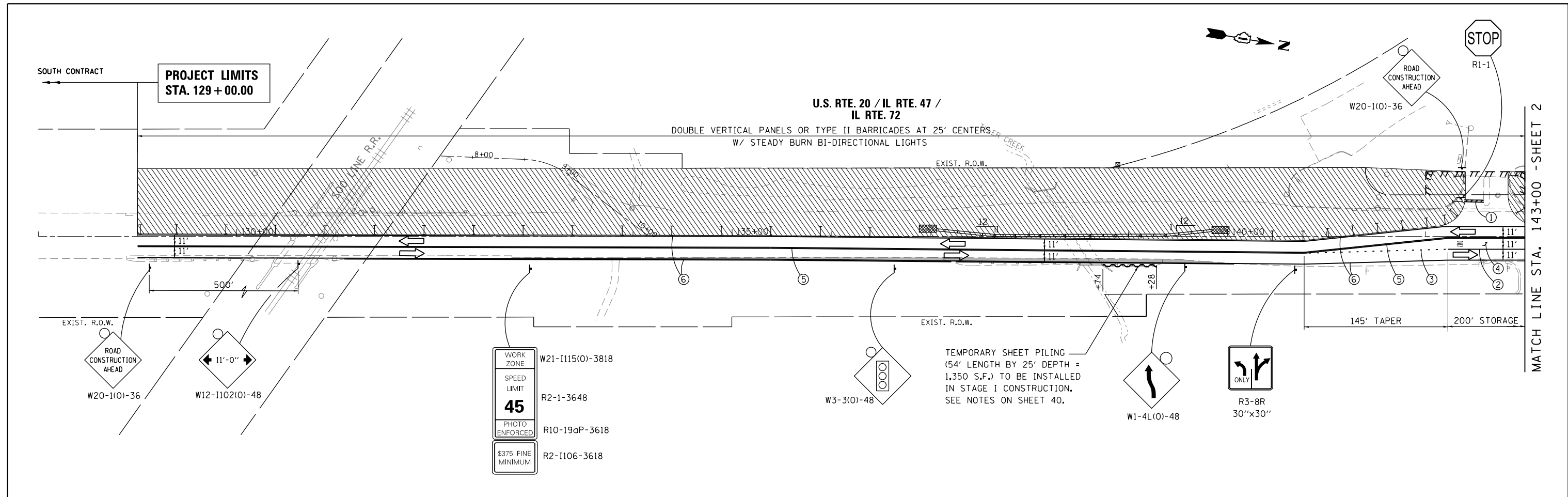
FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -
Default		DRAWN - MTM	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -
	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

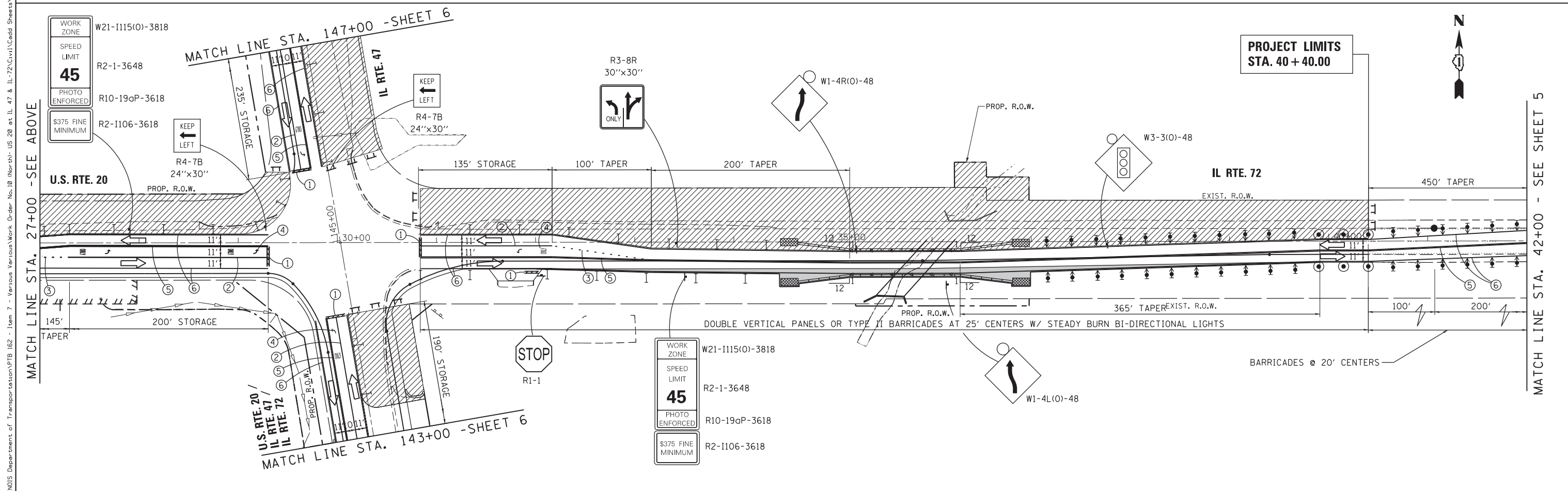
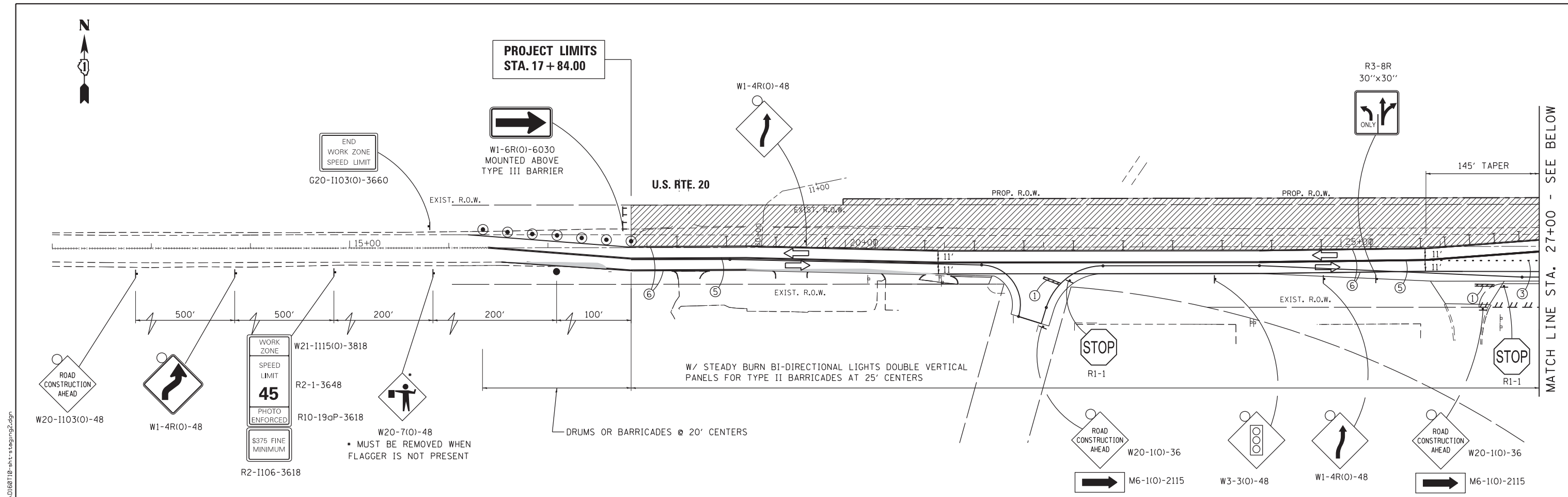
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2  
US RTE 20 (NORTH JUNCTION)**

SCALE: 1"=50'    SHEET 2 OF 6 SHEETS    STA. 17+84 TO STA. 40+40

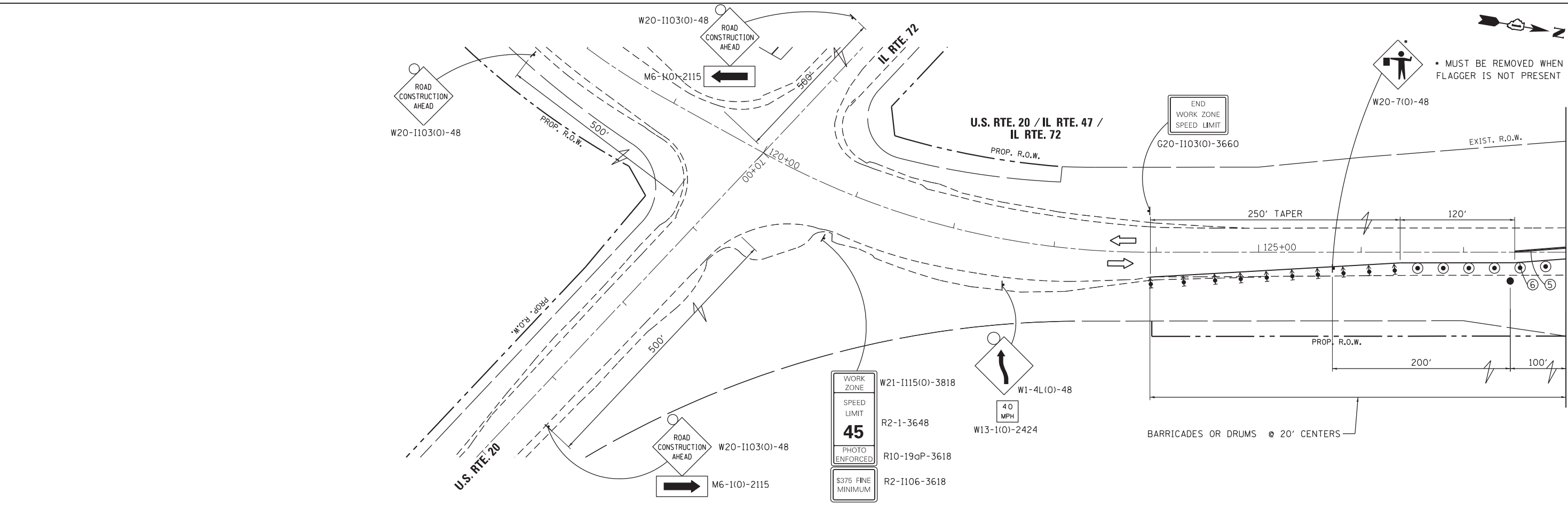
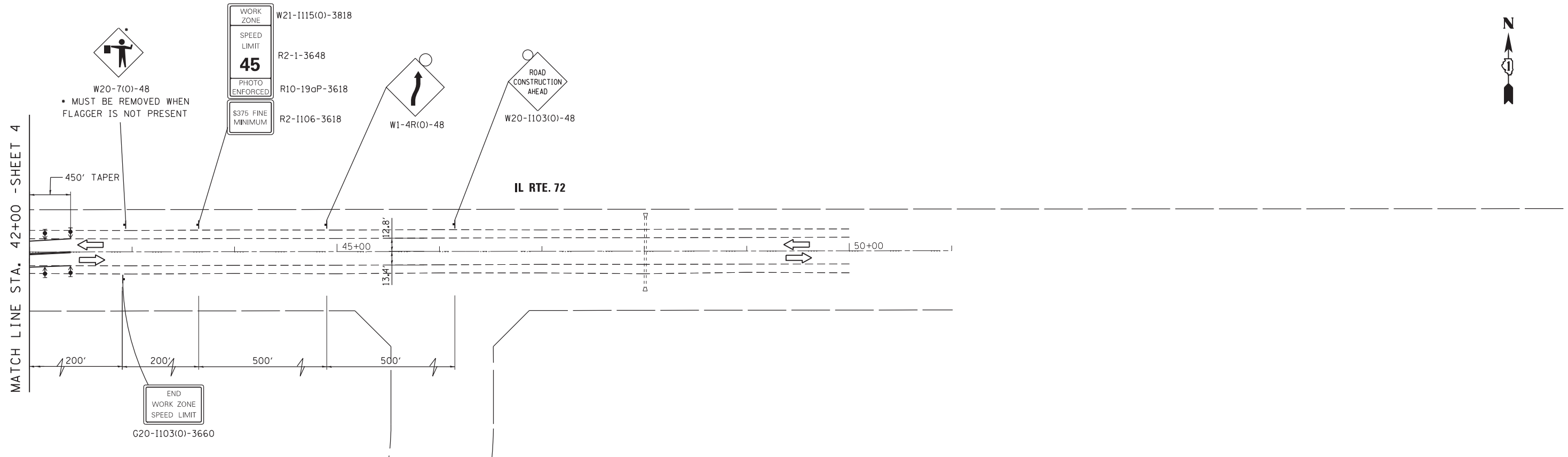
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	41
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = *USER*	DESIGNED - MTM	REVISED - 6/11/14 BA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 US RTE 20 (NORTH JUNCTION)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED - BA	REVISED -			345	106-S-N-1	KANE	167	42
*MODELNAME*	PLOT DATE = *DATE*	DATE - 3/31/14	REVISED -	SCALE: 1"=50'	SHEET 3 OF 6 SHEETS	STA. 129+00 TO STA. 154+46	CONTRACT NO. 60T10			
ILLINOIS FED. AID PROJECT										



FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3 US RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -					345	106-S-N-1	KANE	167	43
Default	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -	SCALE: 1"=50'    SHEET 4 OF 6 SHEETS    STA. 17+84 TO STA. 40+40			CONTRACT NO. 60T10					
ILLINOIS FED. AID PROJECT												



G:\Projects\ILLINOIS Department of Transportation\PTB 162 - Item 7 - Various Various\Work Order No. 10 (North)- US 20 at IL 47 & IL 72\Civil\Cadd Sheets\16211P-sht-staging2.dgn

FILE NAME =  
Default

USER NAME = chrishfish  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 4/1/2014

DESIGNED - MTM  
DRAWN - MTM  
CHECKED - BA  
DATE - 3/31/14

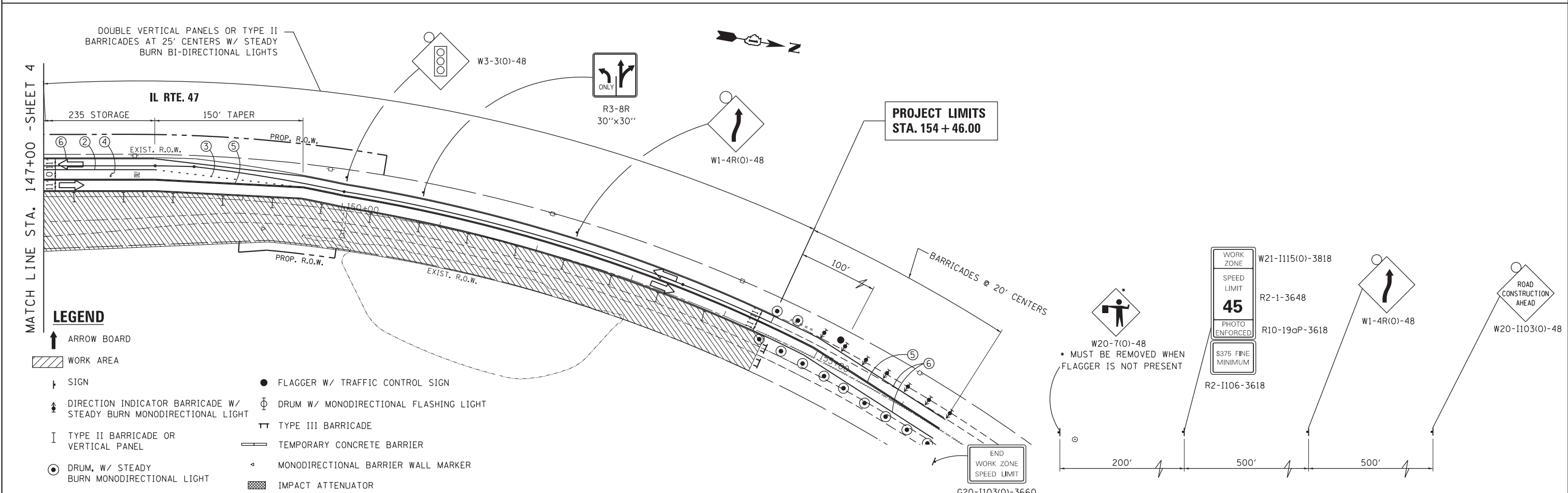
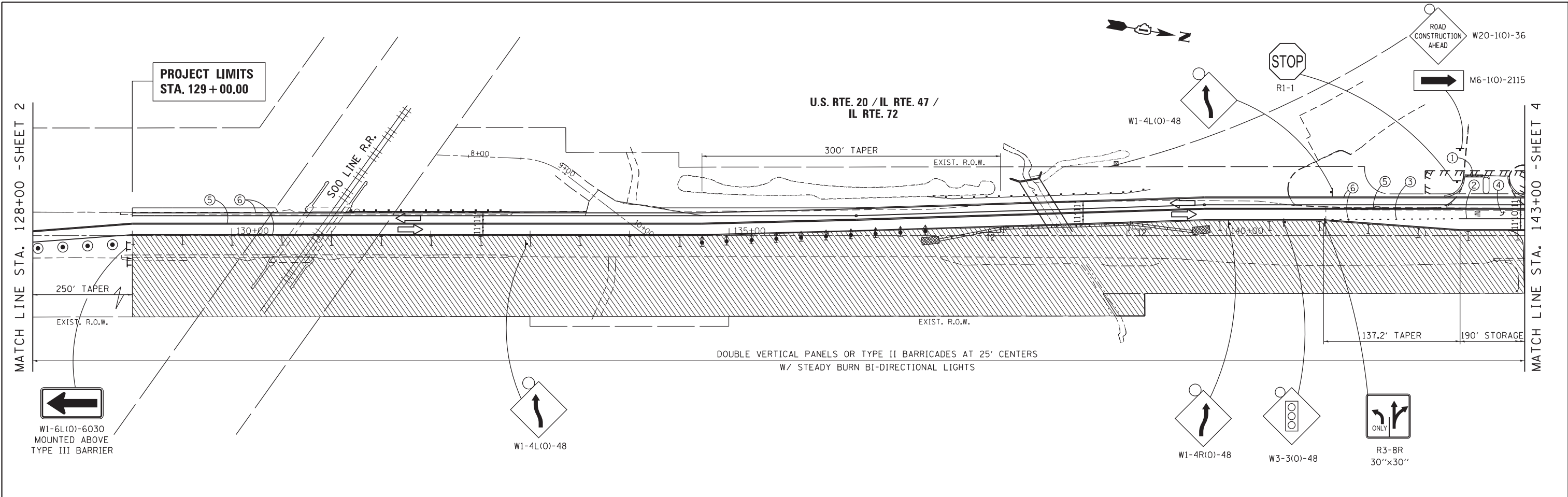
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3  
US RTE 20 (NORTH JUNCTION)**

SCALE: 1"=50'      SHEET 5 OF 6 SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	44
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE OR VERTICAL PANEL
- DRUM, W/ STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER W/ TRAFFIC CONTROL SIGN
- ⊕ DRUM W/ MONODIRECTIONAL FLASHING LIGHT
- ⊥ TYPE III BARRICADE
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL MARKER
- ▨ IMPACT ATTENUATOR

FILE NAME =	USER NAME = chrishfish	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 3  
US RTE 20 (NORTH JUNCTION)**

SCALE: 1"=50'    SHEET 6 OF 6 SHEETS    STA. 129+00 TO STA. 154+46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	45
CONTRACT NO. 60T10				
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 # 60T09 (US 20 AT IL 47/72 SOUTH JUNCTION).

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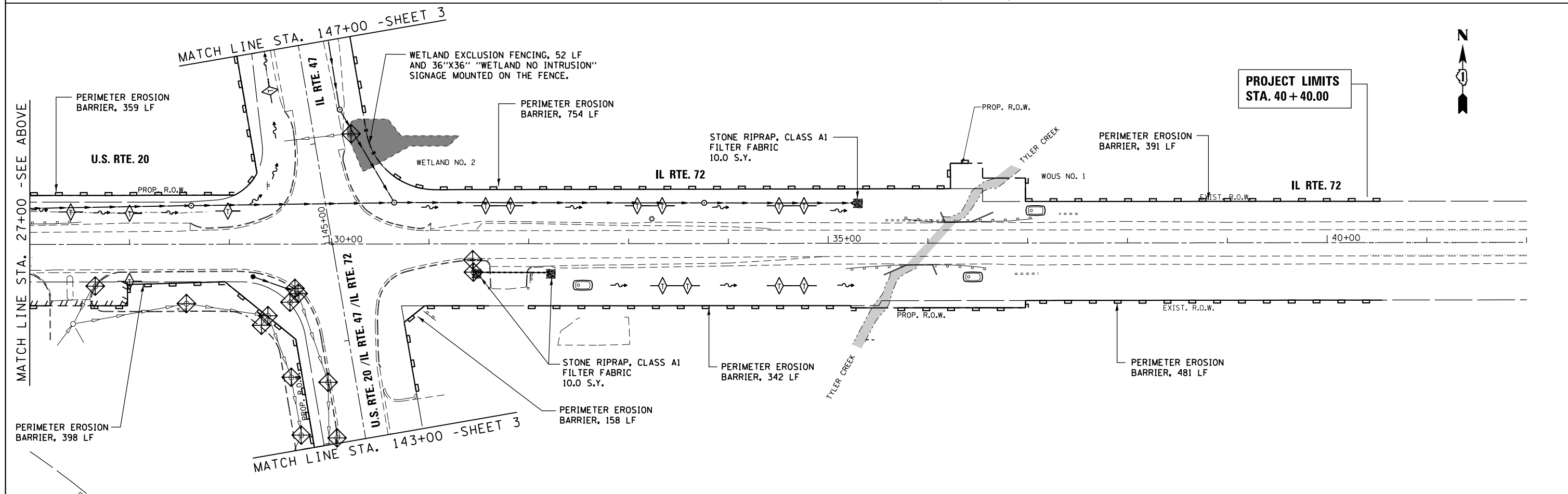
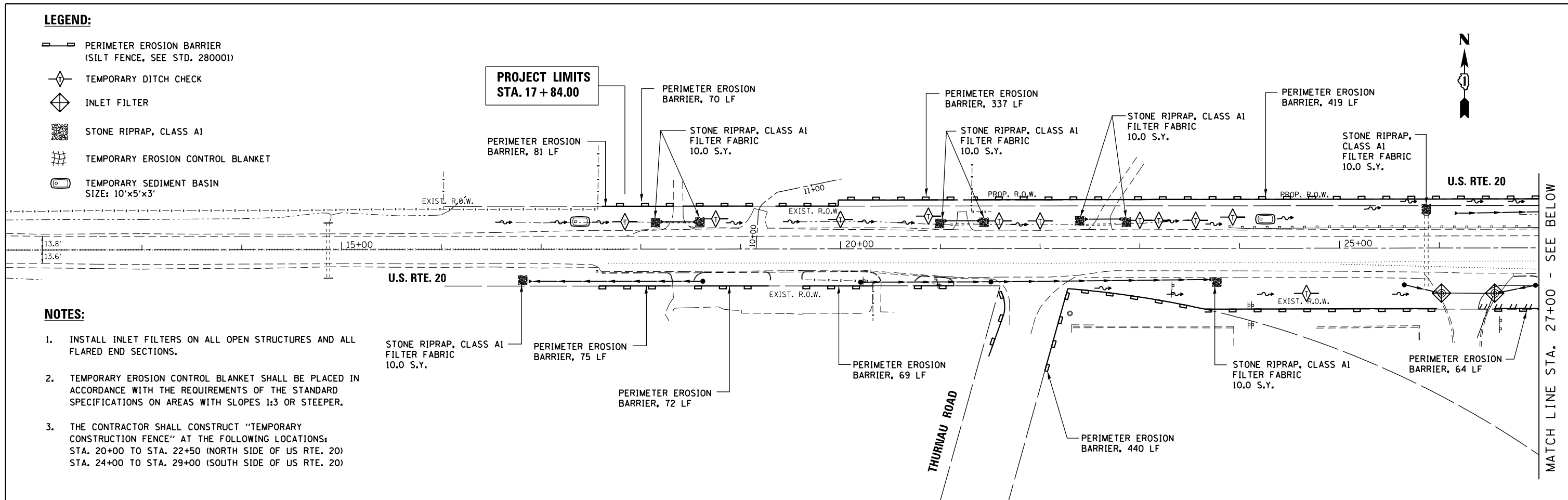
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Default	PLOT SCALE = 100.0000' / in.	DRAWN - MTM	REVISED -			345	106-S-N-1	KANE	167	46	
	PLOT DATE = 4/1/2014	CHECKED - BA	REVISED -			<b>CONTRACT NO. 60T10</b>					
		DATE - 3/31/14	REVISED -			SCALE: N.T.S.	SHEET 1 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

**LEGEND:**

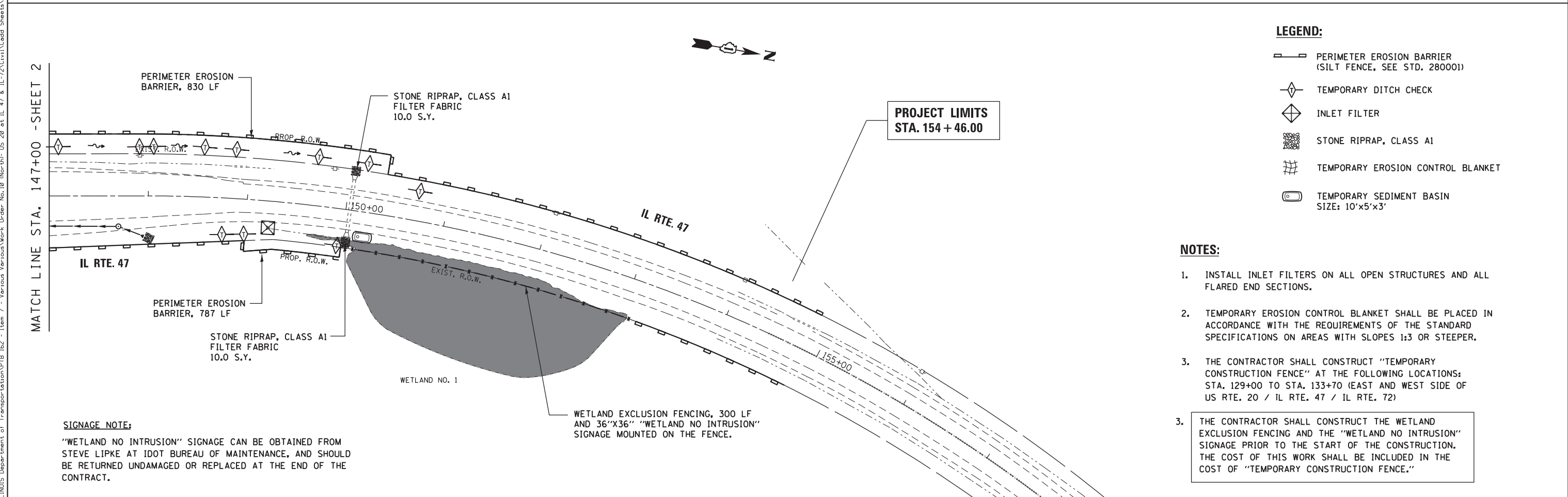
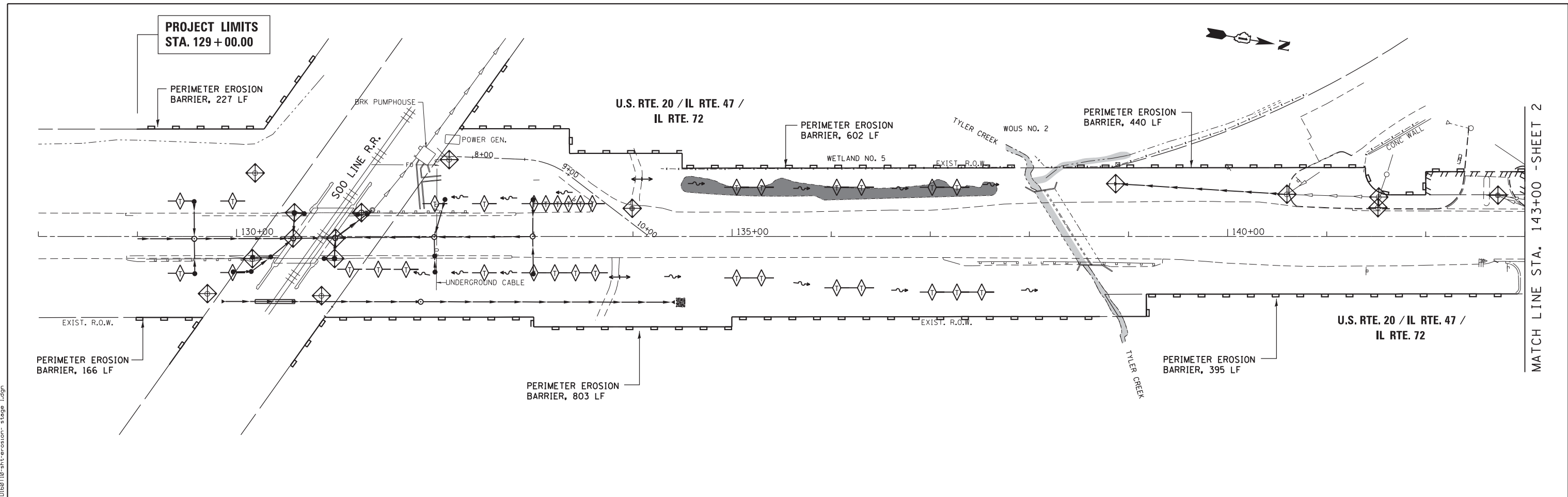
-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
-  TEMPORARY DITCH CHECK
-  INLET FILTER
-  STONE RIPRAP, CLASS A1
-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY SEDIMENT BASIN SIZE: 10'x5'x3'

**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.
3. THE CONTRACTOR SHALL CONSTRUCT "TEMPORARY CONSTRUCTION FENCE" AT THE FOLLOWING LOCATIONS:  
 STA. 20+00 TO STA. 22+50 (NORTH SIDE OF US RTE. 20)  
 STA. 24+00 TO STA. 29+00 (SOUTH SIDE OF US RTE. 20)



FILE NAME =	USER NAME = #USER#	DESIGNED - MTM	REVISED - 5/2/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY EROSION &amp; SEDIMENT CONTROL DETAILS - STAGE I U.S. RTE 20 (NORTH JUNCTION)</b>	F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 47
	PLLOT SCALE = #SCALE#	CHECKED - BA	REVISED -			SCALE: 1"=50'	SHEET 2 OF 5 SHEETS	STA. 17+84 TO STA. 40+40	CONTRACT NO. 60T10	
#MODELNAME#	PLLOT DATE = #DATE#	DATE - 3/31/14	REVISED -							



- 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.
  3. THE CONTRACTOR SHALL CONSTRUCT "TEMPORARY CONSTRUCTION FENCE" AT THE FOLLOWING LOCATIONS: STA. 129+00 TO STA. 133+70 (EAST AND WEST SIDE OF US RTE. 20 / IL RTE. 47 / IL RTE. 72)
  3. THE CONTRACTOR SHALL CONSTRUCT THE WETLAND EXCLUSION FENCING AND THE "WETLAND NO INTRUSION" SIGNAGE PRIOR TO THE START OF THE CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY CONSTRUCTION FENCE."







**SIGNAGE NOTE:**  
 "WETLAND NO INTRUSION" SIGNAGE CAN BE OBTAINED FROM STEVE LIPKE AT IDOT BUREAU OF MAINTENANCE, AND SHOULD BE RETURNED UNDAMAGED OR REPLACED AT THE END OF THE CONTRACT.

FILE NAME =	USER NAME = chr1sf1sh	DESIGNED - MTM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY EROSION &amp; SEDIMENT CONTROL DETAILS - STAGE I U.S. RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED - BA	REVISED -					345	106-S-N-1	KANE	167	48
Default	PLOT DATE = 4/1/2014	DATE - 3/31/14	REVISED -	SCALE: 1"=50'    SHEET 3 OF 5 SHEETS    STA. 129+00 TO STA. 154+46			CONTRACT NO. 60T10 ILLINOIS FED. AID PROJECT					

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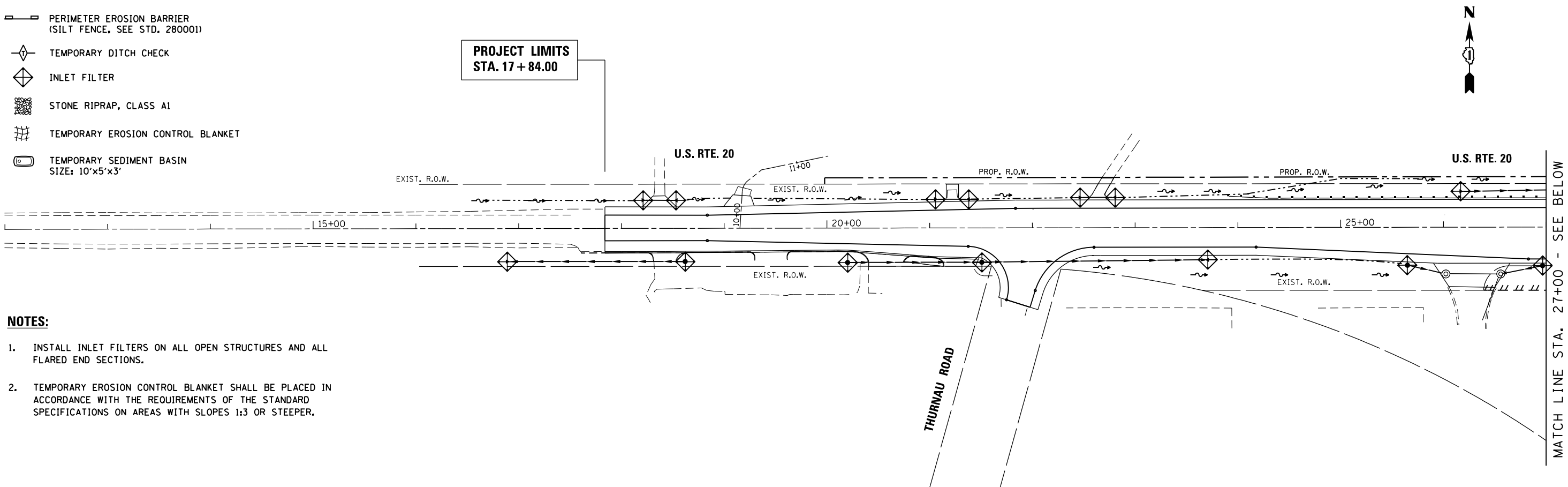


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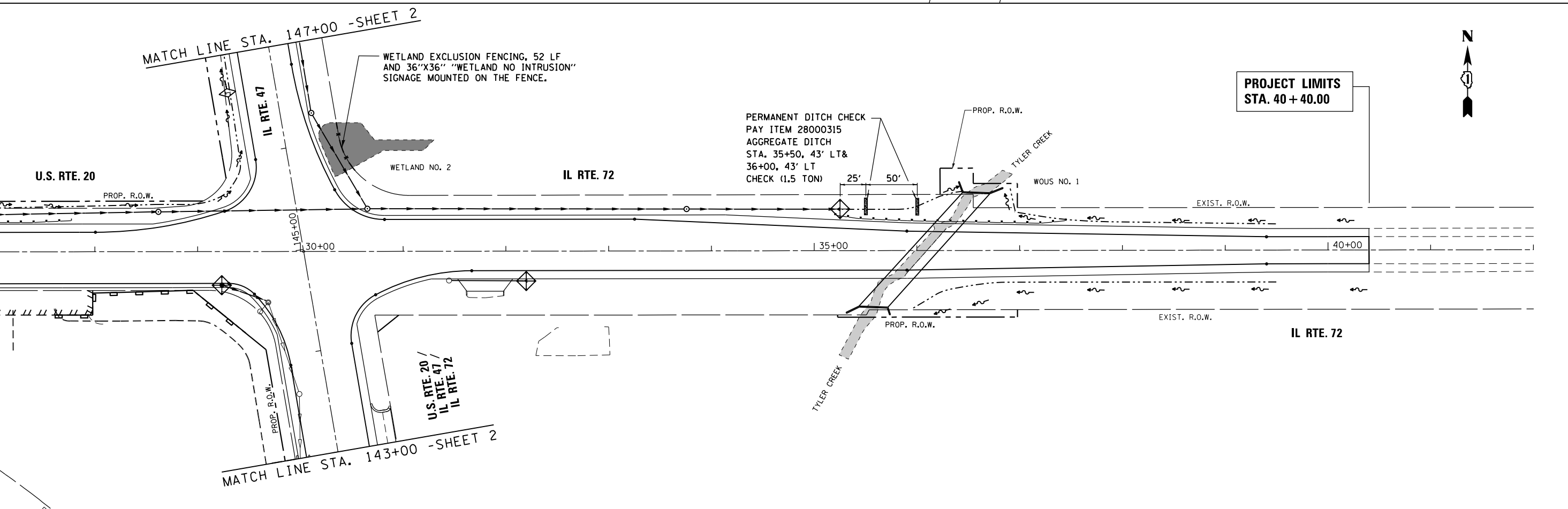
-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
-  TEMPORARY DITCH CHECK
-  INLET FILTER
-  STONE RIPRAP, CLASS A1
-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY SEDIMENT BASIN SIZE: 10'x5'x3'

**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.

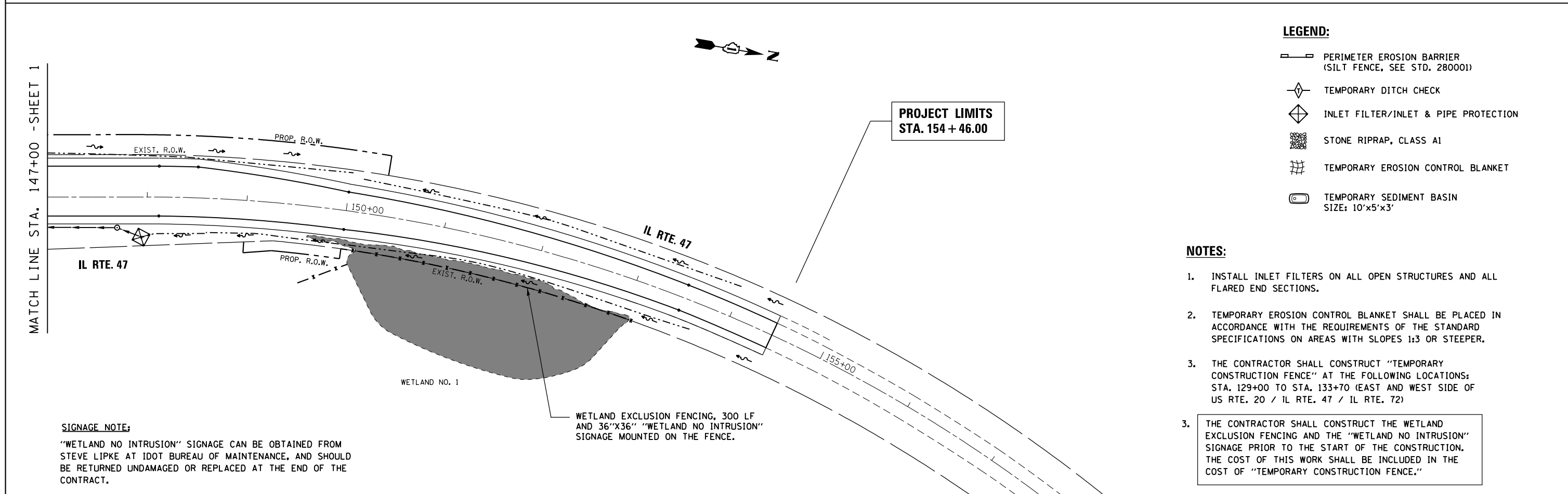
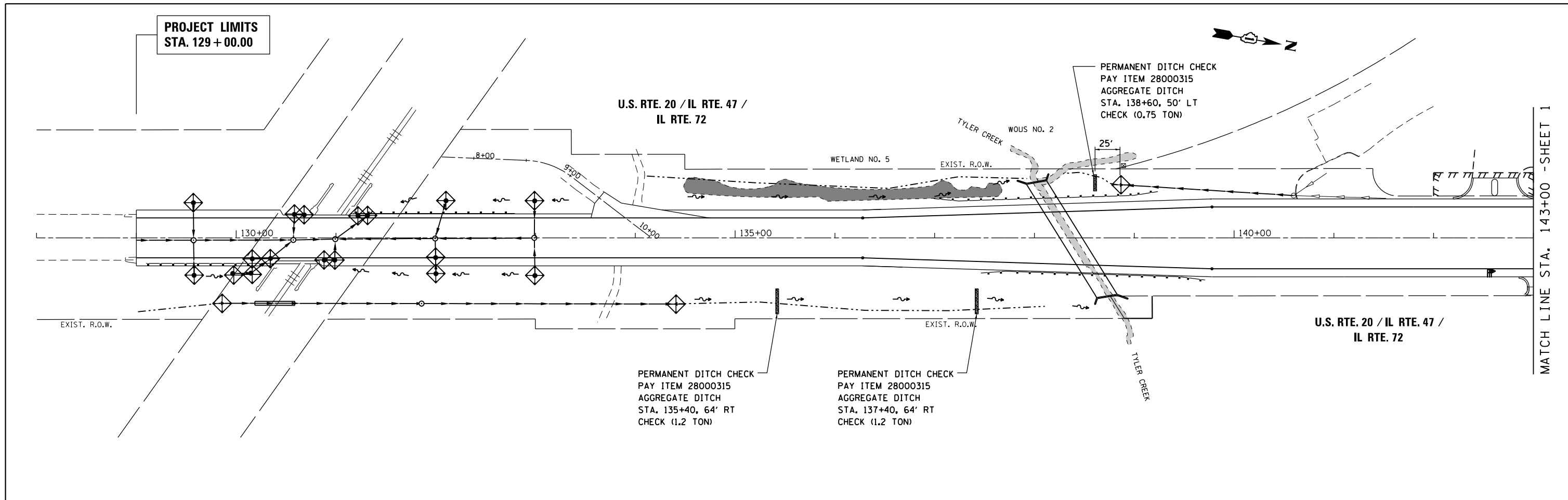


MATCH LINE STA. 27+00 - SEE BELOW



MATCH LINE STA. 27+00 - SEE ABOVE

FILE NAME = *MODELNAME*	USER NAME = *USER*	DESIGNED - MTM	REVISED - 5/2/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY EROSION &amp; SEDIMENT CONTROL DETAILS - STAGE II U.S. RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 49
	PLOT SCALE = *SCALE*	CHECKED - BA	REVISED -		SCALE: 1"=50'	SHEET 4	OF 5 SHEETS	STA. 17+84 TO STA. 40+40	CONTRACT NO. 60T10		ILLINOIS FED. AID PROJECT	
	PLOT DATE = *DATE*	DATE - 3/31/14	REVISED -									



- LEGEND:**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STD. 280001)
  - TEMPORARY DITCH CHECK
  - INLET FILTER/INLET & PIPE PROTECTION
  - 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.
  3. THE CONTRACTOR SHALL CONSTRUCT "TEMPORARY CONSTRUCTION FENCE" AT THE FOLLOWING LOCATIONS: STA. 129+00 TO STA. 133+70 (EAST AND WEST SIDE OF US RTE. 20 / IL RTE. 47 / IL RTE. 72)
  3. THE CONTRACTOR SHALL CONSTRUCT THE WETLAND EXCLUSION FENCING AND THE "WETLAND NO INTRUSION" SIGNAGE PRIOR TO THE START OF THE CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY CONSTRUCTION FENCE."

**SIGNAGE NOTE:**  
 "WETLAND NO INTRUSION" SIGNAGE CAN BE OBTAINED FROM STEVE LIPKE AT IDOT BUREAU OF MAINTENANCE, AND SHOULD BE RETURNED UNDAMAGED OR REPLACED AT THE END OF THE CONTRACT.

FILE NAME =	USER NAME = \$USER*	DESIGNED - MTM	REVISED - 5/2/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY EROSION &amp; SEDIMENT CONTROL DETAILS - STAGE II</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*MODELNAME*	PLOT SCALE = \$SCALE*	DRAWN - MTM	REVISIED -		<b>U.S. RTE 20 (NORTH JUNCTION)</b>			345	106-S-N-1	KANE	167	50
	PLOT DATE = \$DATE*	CHECKED - BA	REVISIED -		SCALE: 1"=50'			SHEET 5 OF 5 SHEETS			CONTRACT NO. 60T10	
		DATE - 3/31/14	REVISIED -		STA. 129+00 TO STA. 154+46			ILLINOIS FED. AID PROJECT				

**DRAINAGE SCHEDULE**

PAY ITEM	UNIT	QUANTITY
TRENCH BACKFILL	CU.YD.	2,146
PIPE CULVERT REMOVAL	FOOT	72
PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	58
PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	80
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	2
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2
STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,006
STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	182
STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	455
STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	448
STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	155
STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	731
STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND SIZE 30"	FOOT	289
CONTROLLED LOW-STRENGTH MATERIAL	CU.YD.	16
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	6
CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	13
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7
MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2
FRAMES AND GRATES TO BE ADJUSTED	EACH	5
REMOVE EXISTING FLARED END SECTION	EACH	1
REMOVE AND REPLACE LID	EACH	1
STEEL CASING PIPE, AUGERED AND JACKED 30"	FOOT	40

**DRAINAGE AND UTILITIES GENERAL NOTES:**

- 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.
- 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.
- ALL BACKFILLING OPERATIONS SHALL CONFORM TO ARTICLE 550.07 OF THE IDOT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.
- TRENCH BACKFILL SHALL BE USED ON THE ENTIRE LENGTH OF THE MAIN DRAIN.
- 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.
- 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.
- 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.
- EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.
- THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING MANHOLE SHALL BE INCIDENTAL TO THE COST OF STORM SEWER.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHOULD CONTACT J.U.L.I.E. AT LEAST 48 HOURS BEFORE START OF CONSTRUCTION AT 1-800-892-0123.
- OFFSETS FOR DRAINAGE STRUCTURES ARE TO CENTER OF FRAME.

FILE NAME = \$FILEL\$

SHT.PLAN

USER NAME = \$USER\$	DESIGNED - MTM	REVISED - 5/2/14 BA
	DRAWN - MTM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - BA	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE AND UTILITIES  
US RTE 20 (NORTH JUNCTION)**

SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	51
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

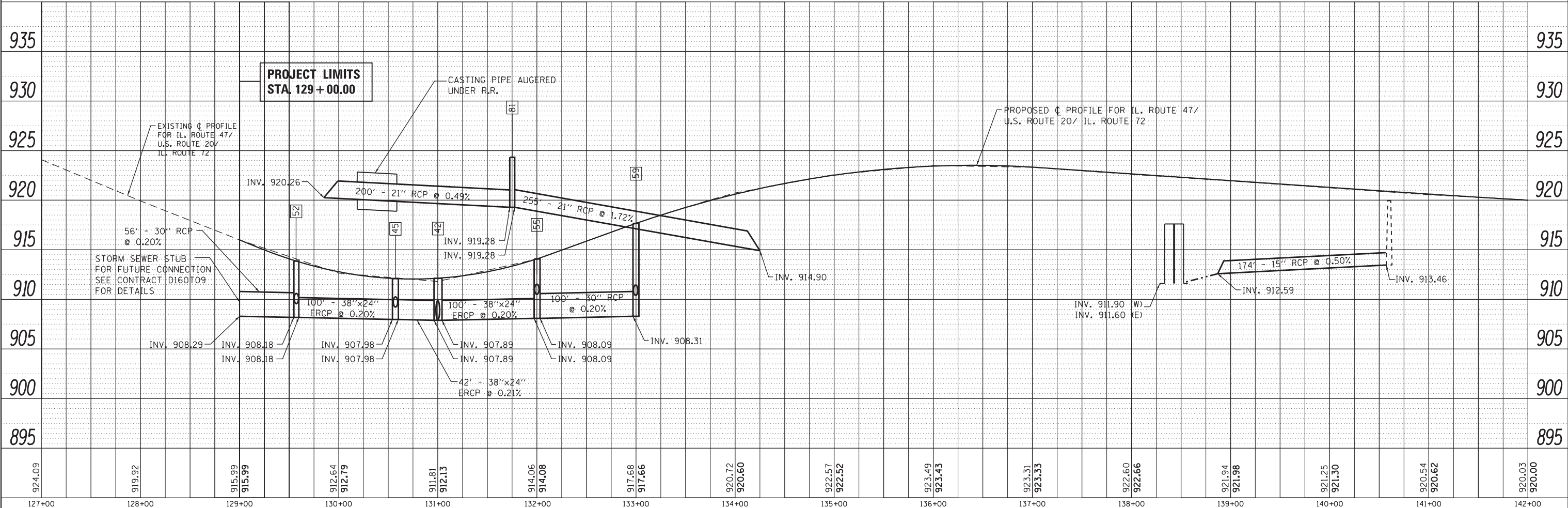
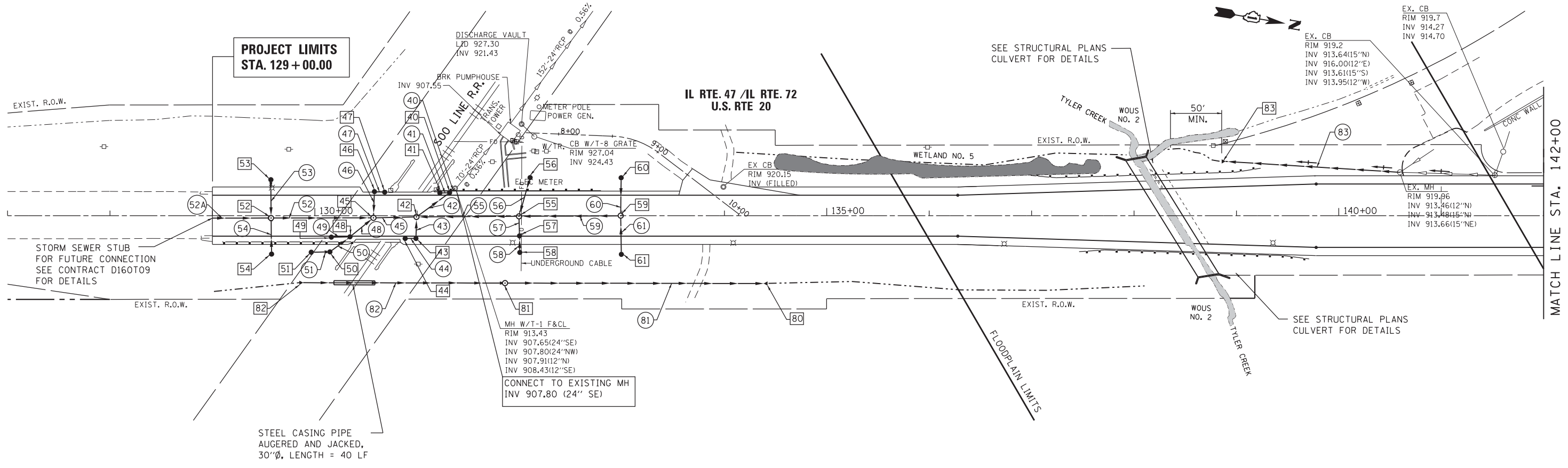




PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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

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924.09	919.92	915.99	915.99	912.64	912.79	911.81	912.13	914.06	914.08	917.68	917.66	920.72	920.60	922.57	922.52	923.49	923.43	923.31	923.33	922.60	922.66	921.94	921.98	921.25	921.30	920.54	920.62	920.03	920.00
127+00	128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00	140+00	141+00	142+00														

FILE NAME =	USER NAME = chrishfish	DESIGNED - MTM	REVISED -
Default		DRAWN - MTM	REVISED -
		CHECKED - BA	REVISED -
		DATE - 4/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1"=50'

SHEET 4 OF 6 SHEETS

STA. 129+00 TO STA. 142+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	54
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				



- [01] STA. 16+91.19 32.1' RT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 12"  
INV EL 930.50
- [02] STA. 18+62.00 32.3' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 935.50  
INV EL 931.50 (W) 12"
- [03] STA. 22+97.22 31.9' RT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 12"  
INV EL 924.22
- [04] STA. 21+50.67 33.4' RT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 933.50  
INV EL 929.50 (E) 12"  
INV EL 929.50 (W) 12"
- [05] STA. 20+20.06 33.5' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 934.50  
INV EL 931.50 (E) 12"
- [06] STA. 25+65.03  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 922.20  
INV EL 919.93 (SE) 12"
- [07] STA. 26+96.40  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 920.65  
INV EL 917.65 (SW) 12"
- [08] STA. 29+23.19 30.0' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 917.85  
INV EL 914.64 (SE) 12"
- [20] STA. 35+25.40 40.2' LT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 36"  
INV EL 909.42
- [21] STA. 33+75.95 40.7' LT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 916.00  
INV EL 909.60 (E) 36"  
INV EL 909.60 (W) 36"
- [22] STA. 30+65.29 41.6' LT  
MANHOLE TYPE A, 6' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 916.10  
INV EL 909.98 (E) 36"  
INV EL 909.98 (NW) 36"  
INV EL 910.20 (W) 24"
- [23] STA. 28+61.90 38.8' LT  
MANHOLE TYPE A, 4' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 917.00  
INV EL 911.00 (E) 24"  
INV EL 911.00 (W) 24"
- [24] STA. 26+19.46 34.8' LT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 24"  
INV EL 914.5
- [25] STA. 146+29.47 30.1' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 916.25  
INV EL 910.11 (E) 36"  
INV EL 910.11 (SW) 36"

- [26] STA. 147+70.19 28.3' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 916.25  
INV EL 910.28 (W) 36"  
INV EL 910.28 (SE) 36"
- [27] STA. 147+91.69 39.3' RT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 36"  
INV EL 911.37
- [40] STA. 131+31.67 22.5' LT  
MANHOLE TYPE A, 4' DIA  
TYPE 1 FRAME & OPEN LID  
RIM EL 912.10  
INV EL 907.81 (NW) 24"x38"  
INV EL 907.81 (SE) 24"x38"  
INV EL 907.95 (S) 12"
- [41] STA. 131+22.09 22.4' LT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.93  
INV EL 908.00 (N) 12"
- [42] STA. 130+99.33 1.2' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 912.11  
INV EL 907.89 (NW) 24"x38"  
INV EL 907.89 (S) 24"x38"  
INV EL 907.89 (N) 24"x38"  
INV EL 907.89 (E) 12"
- [43] STA. 130+98.81 22.3' RT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.70  
INV EL 908.00 (S) 12"  
INV EL 908.00 (W) 12"
- [44] STA. 130+88.26 22.3' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.65  
INV EL 908.05 (N) 12"
- [45] STA. 130+57.29 2.1' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 912.06  
INV EL 907.98 (N) 24"x38"  
INV EL 907.98 (S) 24"x38"  
INV EL 907.98 (W) 12"  
INV EL 907.98 (SE) 12"
- [46] STA. 130+58.27 23.5' LT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.70  
INV EL 908.11 (N) 12"  
INV EL 908.11 (E) 12"
- [47] STA. 130+68.26 23.0' LT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.65  
INV EL 908.16 (S) 12"
- [48] STA. 130+34.40 20.6' RT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.87  
INV EL 908.04 (NW) 12"  
INV EL 908.04 (S) 12"  
INV EL 908.04 (SE) 12"
- [49] STA. 130+16.18 21.0' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 912.11  
INV EL 908.13 (N) 12"
- [50] STA. 130+14.78 35.34' RT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.58  
INV EL 908.16 (NW) 12"  
INV EL 908.16 (S) 12"

- [51] STA. 129+96.56 35.69' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.67  
INV EL 908.25 (N) 12"
- [52] STA. 129+57.32 2.3' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 913.81  
INV EL 908.18 (N) 24"x38"  
INV EL 908.18 (S) 30"  
INV EL 908.18 (E) 12"  
INV EL 908.18 (W) 12"
- [53] STA. 129+57.16 35.2' LT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.40  
INV EL 908.37 (E) 12"
- [54] STA. 129+57.81 37.5' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.30  
INV EL 908.30 (W) 12"
- [55] STA. 131+99.44 0.6' RT  
MANHOLE TYPE A, 5' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 914.05  
INV EL 908.09 (N) 30"  
INV EL 908.09 (S) 24"x36"  
INV EL 908.09 (N) 12"  
INV EL 908.09 (S) 12"
- [56] STA. 132+10.29 37.2' LT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.21  
INV EL 908.21 (E) 12"
- [57] STA. 131+99.44 19.7' RT  
CATCH BASIN TYPE A, 4' DIA  
TYPE 1 FRAME, OPEN LID  
RIM EL 913.68  
INV EL 908.19 (E) 12"  
INV EL 908.19 (W) 12"
- [58] STA. 132+00.22 35.9' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 911.26  
INV EL 908.27 (W) 12"
- [59] STA. 132+98.58 0.0' LT  
MANHOLE TYPE A, 4' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 917.62  
INV EL 908.29 (S) 30"  
INV EL 910.31 (E) 12"  
INV EL 910.31 (W) 12"
- [60] STA. 132+99.16 37.1' LT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 913.92  
INV EL 910.50 (E) 12"
- [61] STA. 132+99.37 37.8' RT  
CATCH BASIN TYPE C  
TYPE 1 FRAME, OPEN LID  
RIM EL 913.92  
INV EL 910.50 (W) 12"
- [80] STA. 134+38.42 66.3' RT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 21"  
INV EL 914.90

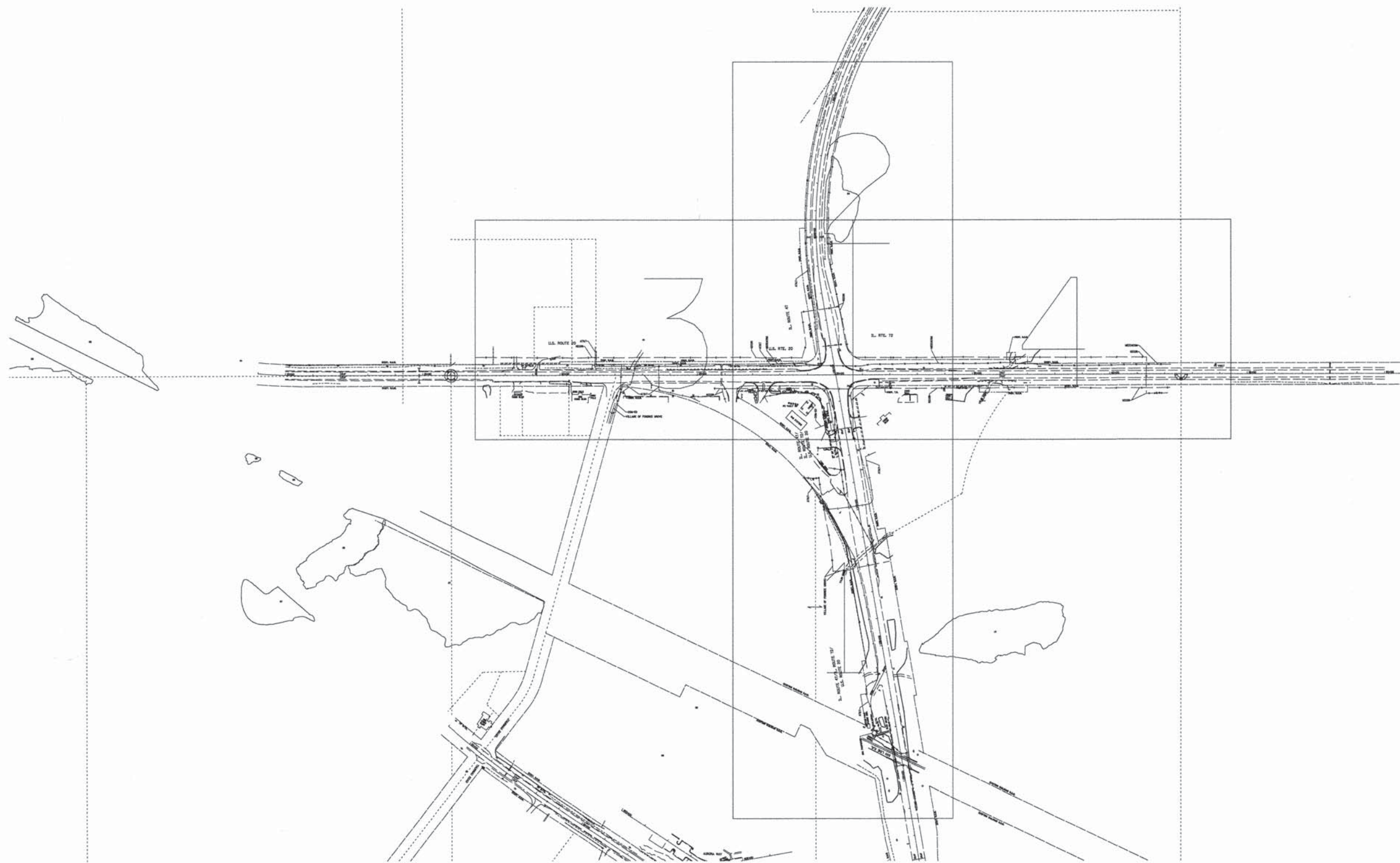
- [81] STA. 131+85.80 65.9' RT  
MANHOLE TYPE A, 4' DIA  
TYPE 1 FRAME, CLOSED LID  
RIM EL 922.81  
INV EL 919.28 (N) 21"  
INV EL 919.28 (S) 21"
- [82] STA. 129+88.63 65.5' RT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 21"  
INV EL 920.26
- [83] STA. 138+85.64 53.0' LT  
PRECAST REINFORCED CONCRETE  
FLARED END SECTIONS 15"  
INV EL 912.59

- (02) 170' - 12" SS CLASS A TYPE 2 @ 0.59%
- (04) 217' - 12" SS CLASS A TYPE 2 @ 2.43%
- (05) 130' - 12" SS CLASS A TYPE 2 @ 1.54%
- (06) 38' - 12" SS CLASS A TYPE 2 @ 1.00%
- (07) 38' - 12" SS CLASS A TYPE 2 @ 0.50%
- (08) 46' - 12" SS CLASS A TYPE 2 @ 0.50%
- (21) 147' - 36" SS CLASS A TYPE 2 @ 0.12%
- (22) 310' - 36" SS CLASS A TYPE 2 @ 0.12%
- (23) 203' - 24" SS CLASS A TYPE 2 @ 0.39%
- (24) 245' - 24" SS CLASS A TYPE 2 @ 1.43%
- (25) 107' - 36" SS CLASS A TYPE 2 @ 0.12%
- (26) 140' - 36" SS CLASS A TYPE 2 @ 0.12%
- (27) 27' - 36" SS CLASS A TYPE 2 @ 4.04%
- (40) 7' - 24"x38" SS CLASS A TYPE 2 @ 0.14%
- (41) 10' - 12" SS CLASS A TYPE 2 @ 0.50%
- (42) 40' - 24"x38" SS CLASS A TYPE 2 @ 0.20%
- (43) 21' - 12" SS CLASS A TYPE 2 @ 0.50%
- (44) 10' - 12" SS CLASS A TYPE 2 @ 0.50%
- (45) 42' - 24"x38" SS CLASS A TYPE 2 @ 0.21%
- (46) 26' - 12" SS CLASS A TYPE 2 @ 0.50%
- (47) 10' - 12" SS CLASS A TYPE 2 @ 0.50%
- (48) 29' - 12" SS CLASS A TYPE 2 @ 0.50%
- (49) 18' - 12" SS CLASS A TYPE 2 @ 0.50%
- (50) 25' - 12" SS CLASS A TYPE 2 @ 0.50%
- (51) 18' - 12" SS CLASS A TYPE 2 @ 0.50%
- (52) 100' - 24"x38" SS CLASS A TYPE 2 @ 0.20%
- (52A) 56' - 30" SS CLASS A TYPE 2 @ 0.20%
- (53) 37' - 12" SS CLASS A TYPE 2 @ 0.50%
- (54) 35' - 12" SS CLASS A TYPE 2 @ 0.34%
- (55) 100' - 24"x38" SS CLASS A TYPE 2 @ 0.20%
- (56) 39' - 12" SS CLASS A TYPE 2 @ 0.32%
- (57) 19' - 12" SS CLASS A TYPE 2 @ 0.50%
- (58) 16' - 12" SS CLASS A TYPE 2 @ 0.50%
- (59) 100' - 30" SS CLASS A TYPE 2 @ 0.20%
- (60) 38' - 12" SS CLASS A TYPE 2 @ 0.50%
- (61) 38' - 12" SS CLASS A TYPE 2 @ 0.50%
- (81) 255' - 21" SS CLASS A TYPE 2 @ 1.72%
- (82) 200' - 21" SS CLASS A TYPE 2 @ 0.49%
- (83) 174' - 15" SS CLASS A TYPE 2 @ 0.50%

• THIS ITEM WILL BE PAID FOR AS "STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND SIZE 30" "

#FILE#	FILE NAME =	USER NAME = #USER#	DESIGNED - MTM	REVISED - 5/2/14 BA	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN US RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
							345	106-S-N-1	KANE	167	56	CONTRACT NO. 60T10		
							SCALE: N.T.S.	SHEET 6	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
		#MODELNAME#		DATE - 4/29/13		REVISED -								



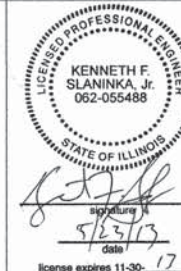


- Aerial
- Unknown
- Oil
- Cable TV
- Telephone
- Gas
- Electric
- Water
- Force Main
- Fiber Optic
- End of Information
- TBE Test Hole

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

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



TBE Job No. IL09510525  
SUE Plan Page: Cover

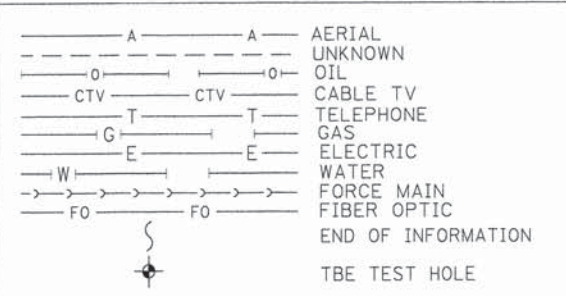
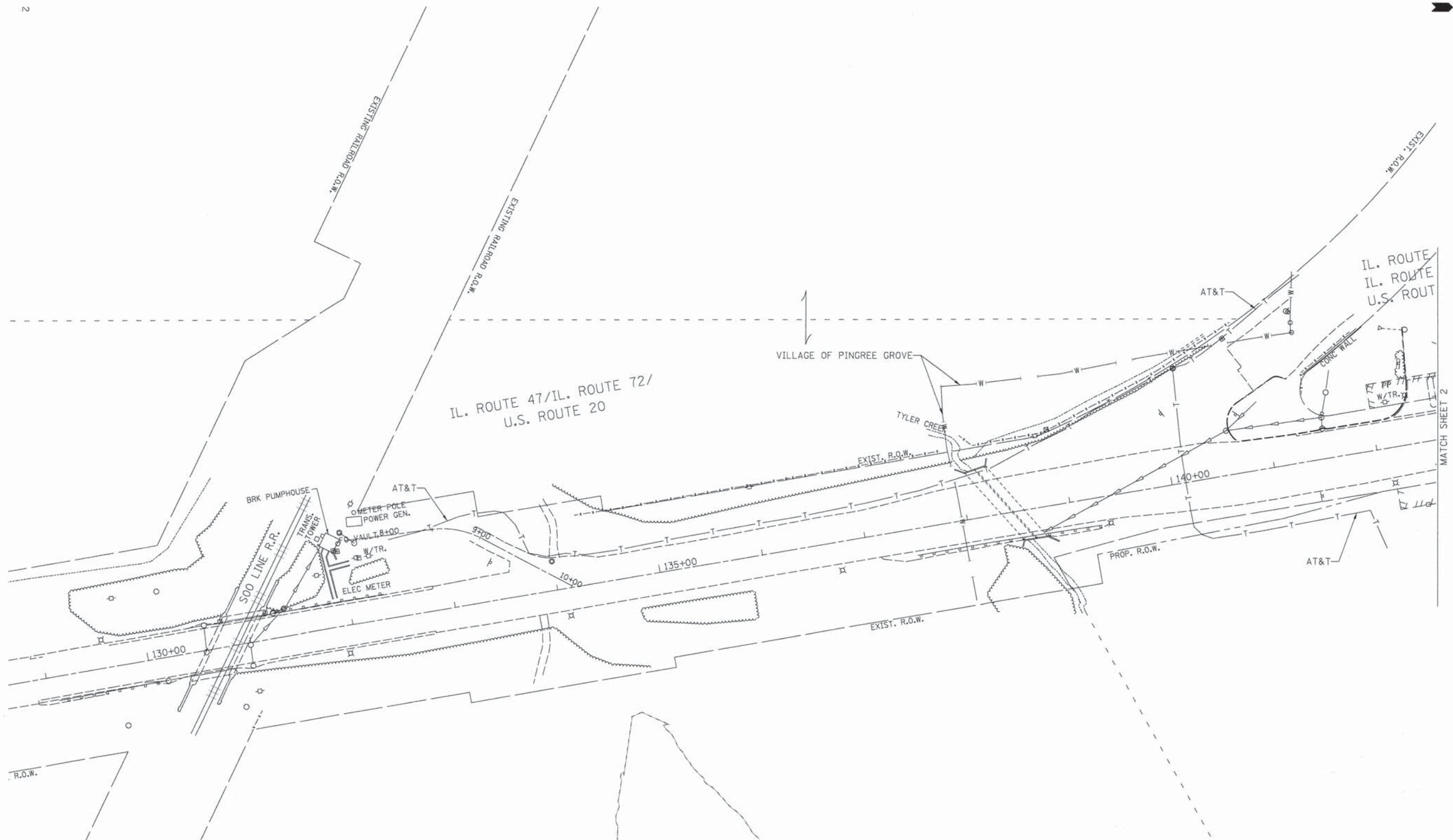
- Utility Quality Level "A" : Visually Verified Test Hole
- Utility Quality Level "B" : Designating/non Visually Verified Test Hole
- Utility Quality Level "C" : Research with Survey
- Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	5/20/13	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

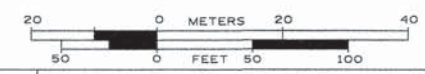
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-1	Kane	167	57
				Contract No. 60T10
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	



UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
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Utility Quality Level "A" : Visually Verified Test Hole  
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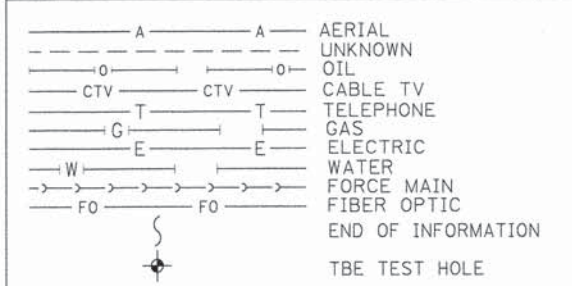
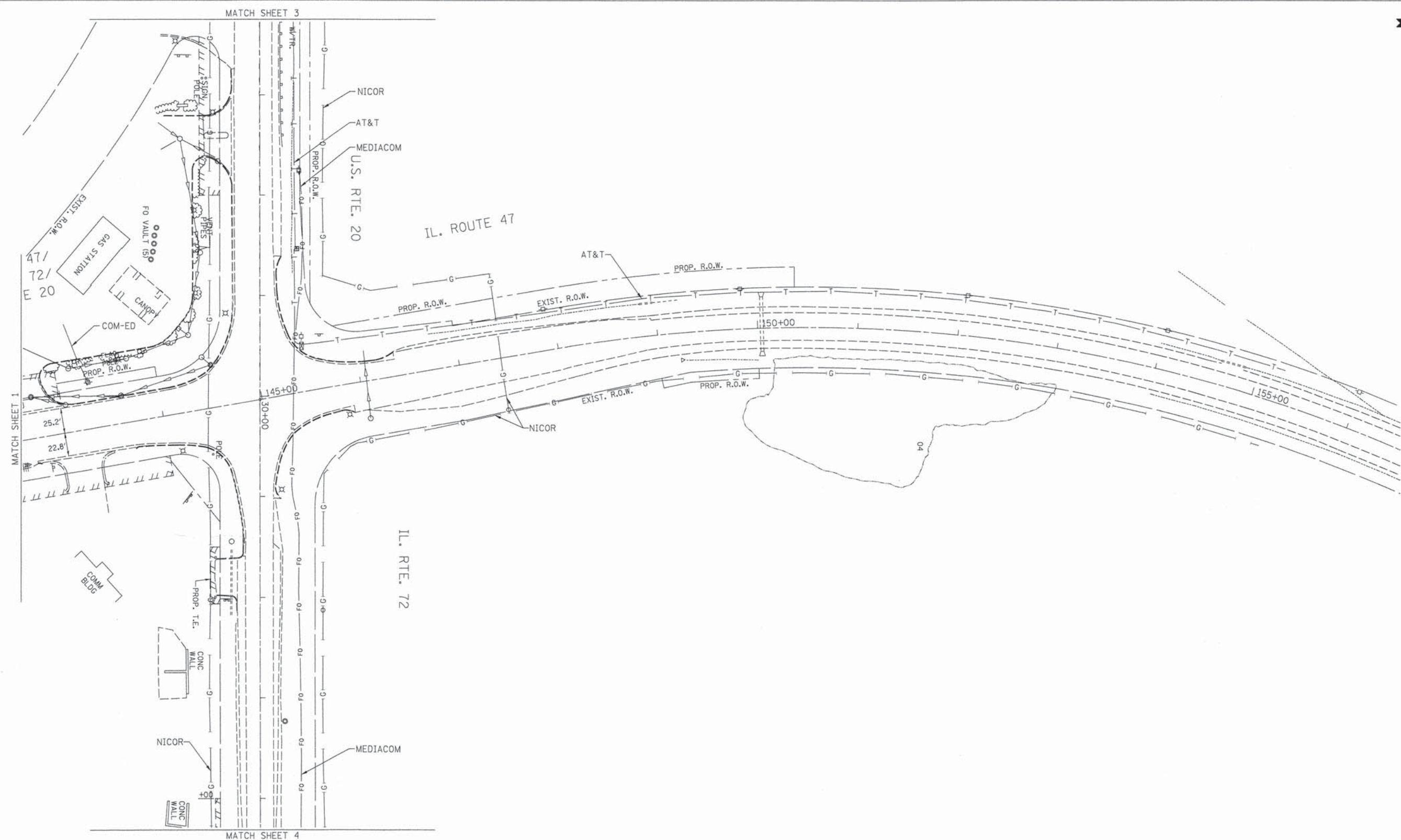
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DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	5/20/13	REVISED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-1	Kane	167	58
Contract No. 60T10				
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				

TBE Job No. IL09510525  
 SUE Plan Page: 1 of 4

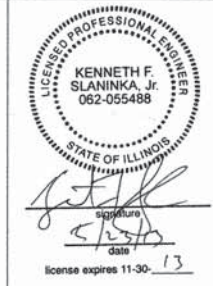
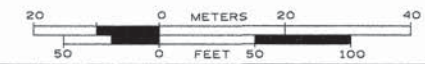


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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510525  
SUE Plan Page: 2 of 4

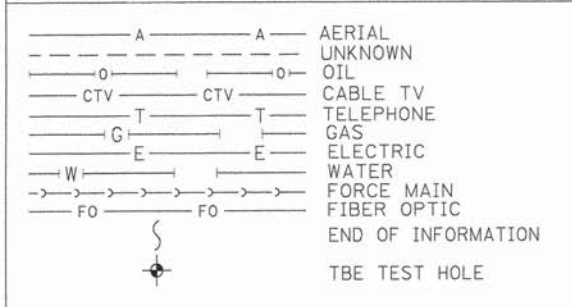
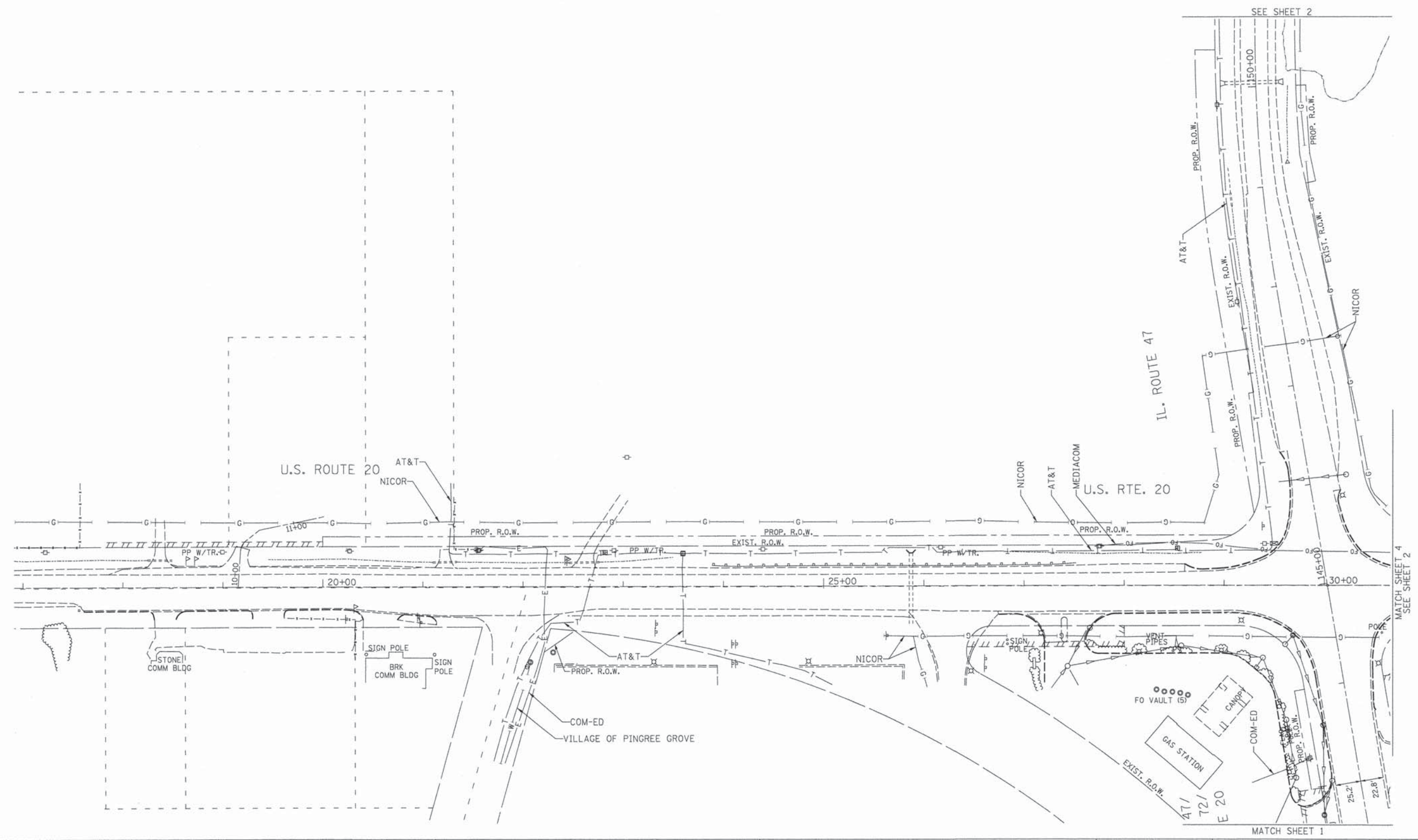
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 Utility Quality Level "B" : Designating/non Visually Verified Test Hole  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/20/13	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

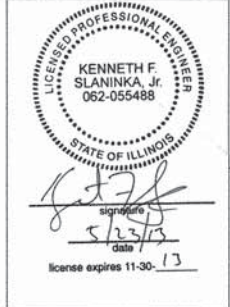
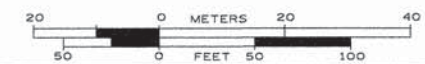
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-1	Kane	167	59
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.			Contract No. 60T10	



UTILITY OWNERS	
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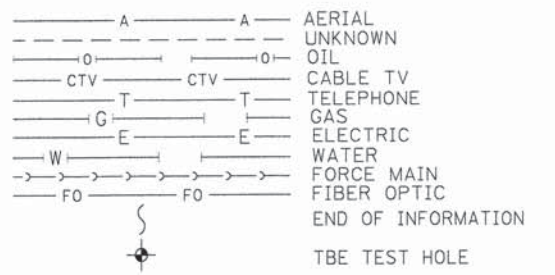
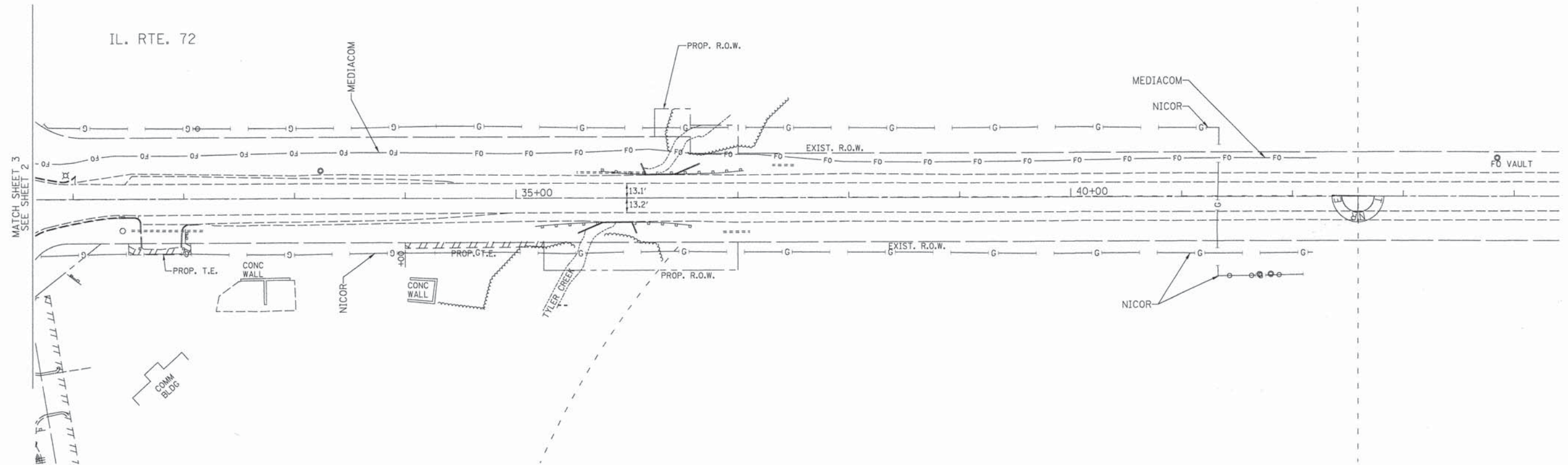
DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED KFS	REVISED
DATE 5/20/13	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-1	Kane	167	60
Contract No. 60T10				
FED. ROAD DIST. NO.   ILLINOIS   IDOT Project No.				

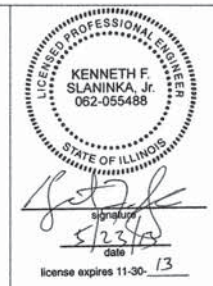
TBE Job No. IL09510525  
SUE Plan Page: 3 of 4



UTILITY OWNERS  
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TBE Job No. IL09510525  
 SUE Plan Page: 4 of 4

Utility Quality Level "A": Visually Verified Test Hole  
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DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	5/20/13	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

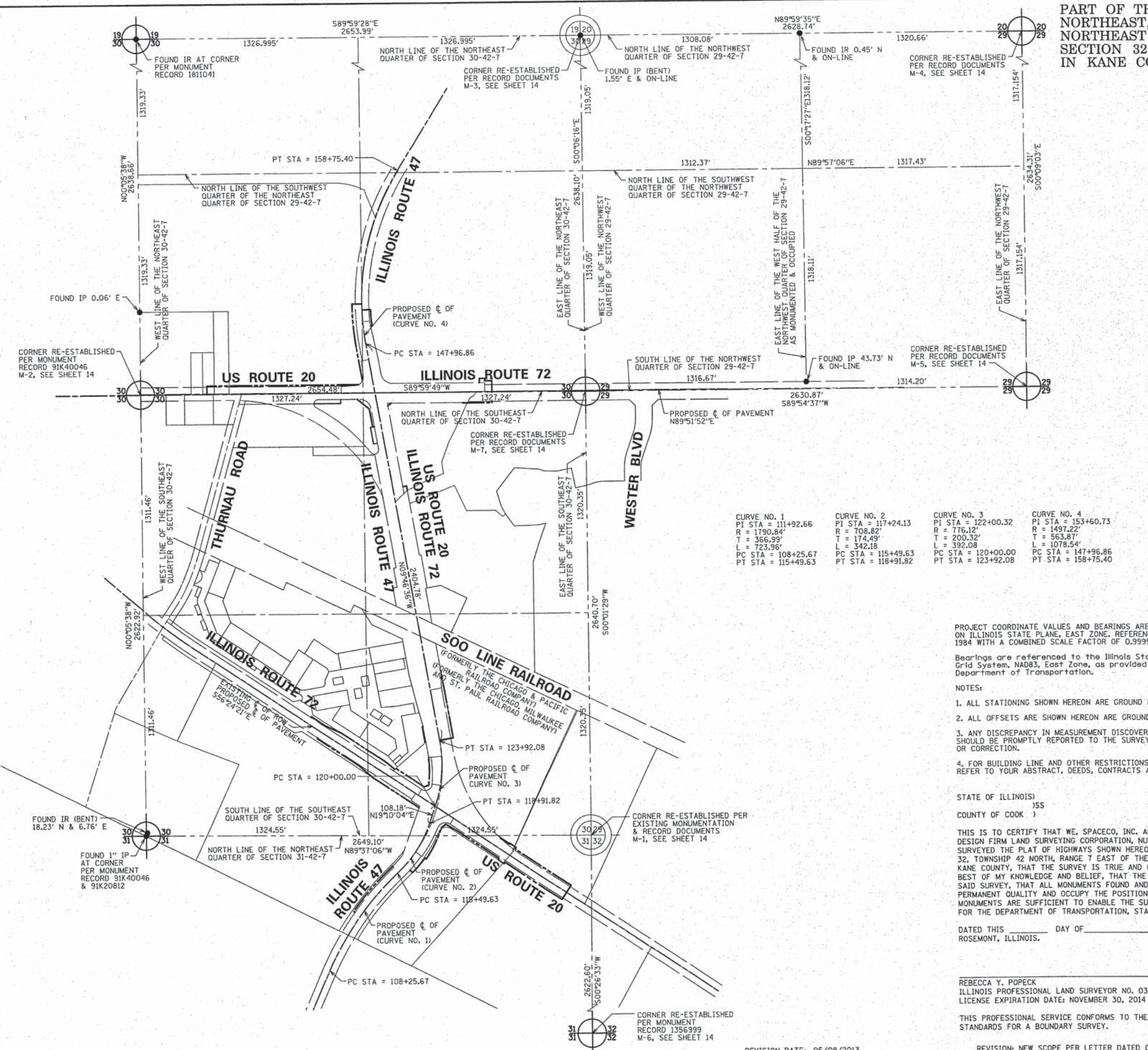
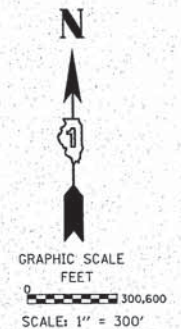
US 20 at IL 47/72 (North Junction)  
 Pingree Grove, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	106-S-N-1	Kane	167	61
FED. ROAD DIST. No. - [ILLINOIS] IDOT Project No.			Contract No. 60T10	

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	CURVE NO. 2	CURVE NO. 3	CURVE NO. 4
PI STA = 111+92.66	PI STA = 117+24.13	PI STA = 122+00.32	PI STA = 153+60.73
R = 1790.84'	R = 708.82'	R = 176.12'	R = 1497.22'
T = 366.93'	T = 174.49'	T = 200.32'	T = 563.87'
L = 723.96'	L = 342.18'	L = 392.08'	L = 1078.54'
PC STA = 108+25.67	PC STA = 115+49.63	PC STA = 120+00.00	PC STA = 147+96.86
PT STA = 115+49.63	PT STA = 118+91.82	PT STA = 123+92.08	PT STA = 158+75.40

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

STATE OF ILLINOIS )  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-00157, 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  
 SCHAMBURG, ILLINOIS 60196

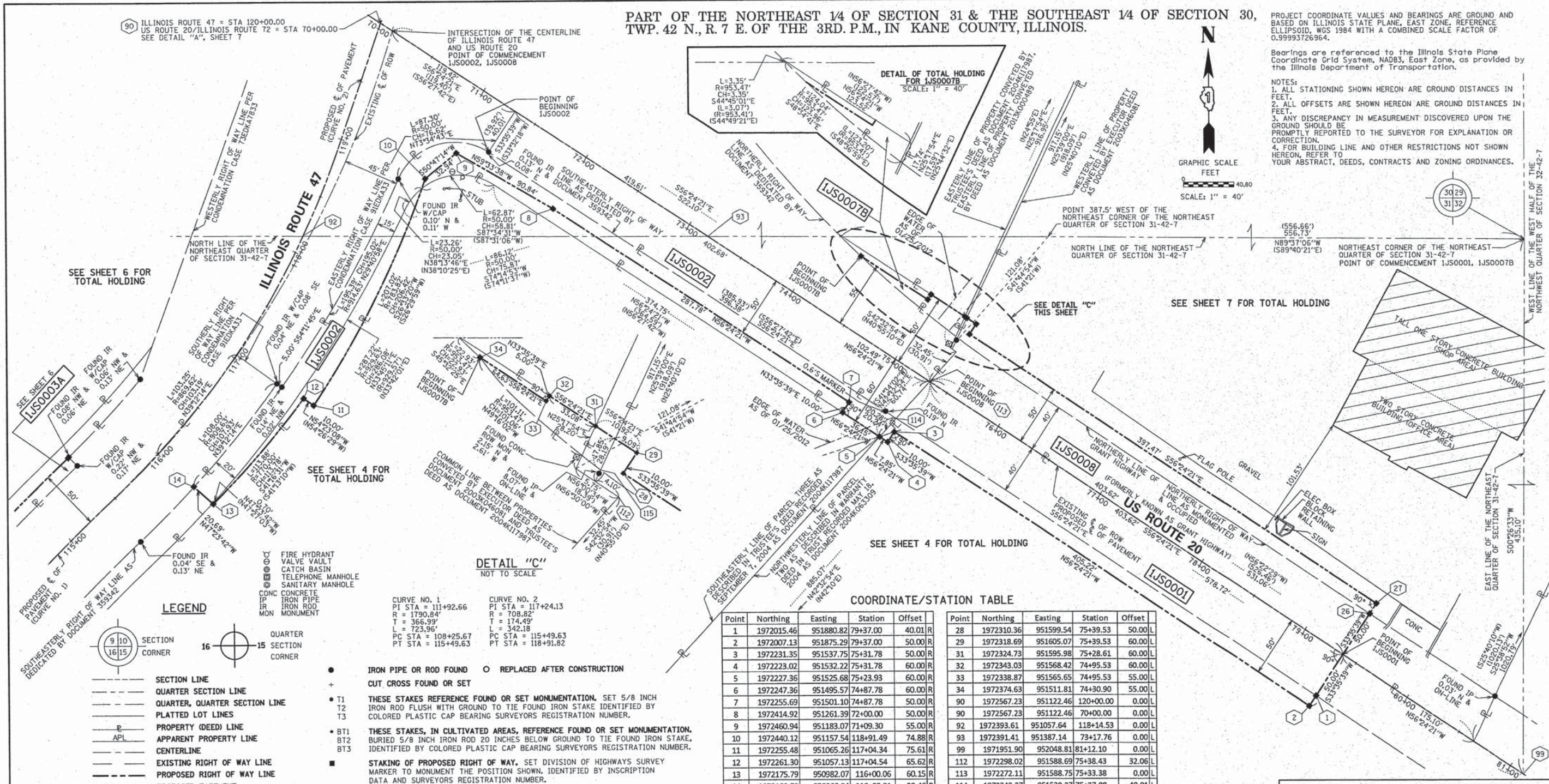
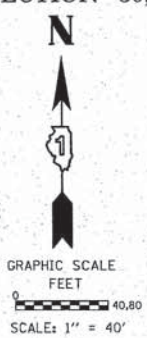
RECEIVED  
 MAY 08 2013  
 PLATS & LEGALS

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:
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.



DETAIL "C"  
NOT TO SCALE

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+38.43	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

LEGEND

- SECTION CORNER
- QUARTER CORNER
- 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
- MEASURED DIMENSION (129.32')
- COMPUTED DIMENSION (129.32')
- EXISTING BUILDING
- FIRE HYDRANT
- VALVE VAULT
- CATCH BASIN
- TELEPHONE MANHOLE
- SANITARY MANHOLE
- CONC
- IP
- IRON PIPE
- IRON ROD
- MONUMENT
- QUARTER SECTION CORNER
- SECTION CORNER
- 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.
- T3 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.
- M 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

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
1JS0001	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	
1JS0002	VILLAGE OF PINGREE GROVE	0.635	0.305	0.000	0.330			02-30-400-027 (PART OF) 02-31-200-008 (PART OF)	
1JS0007B	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)	
1JS0008	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	

STATE OF ILLINOIS  
COUNTY OF COOK

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-00157, 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 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  
REVISION: PER COMMENT LETTER DATED 04/04/12  
MADE BY: RYP

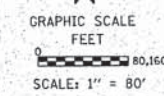
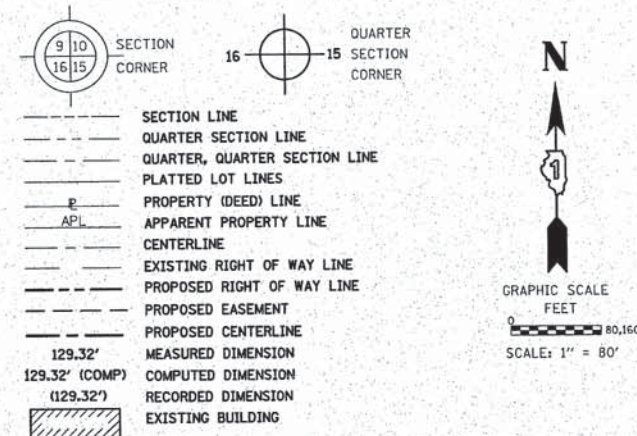
**SPACECO INC.**  
**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**  
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**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  
SCALE: 1" = 40' SHEET 3 OF 15  
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, 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.
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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 )  
 ) SS:  
 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.**

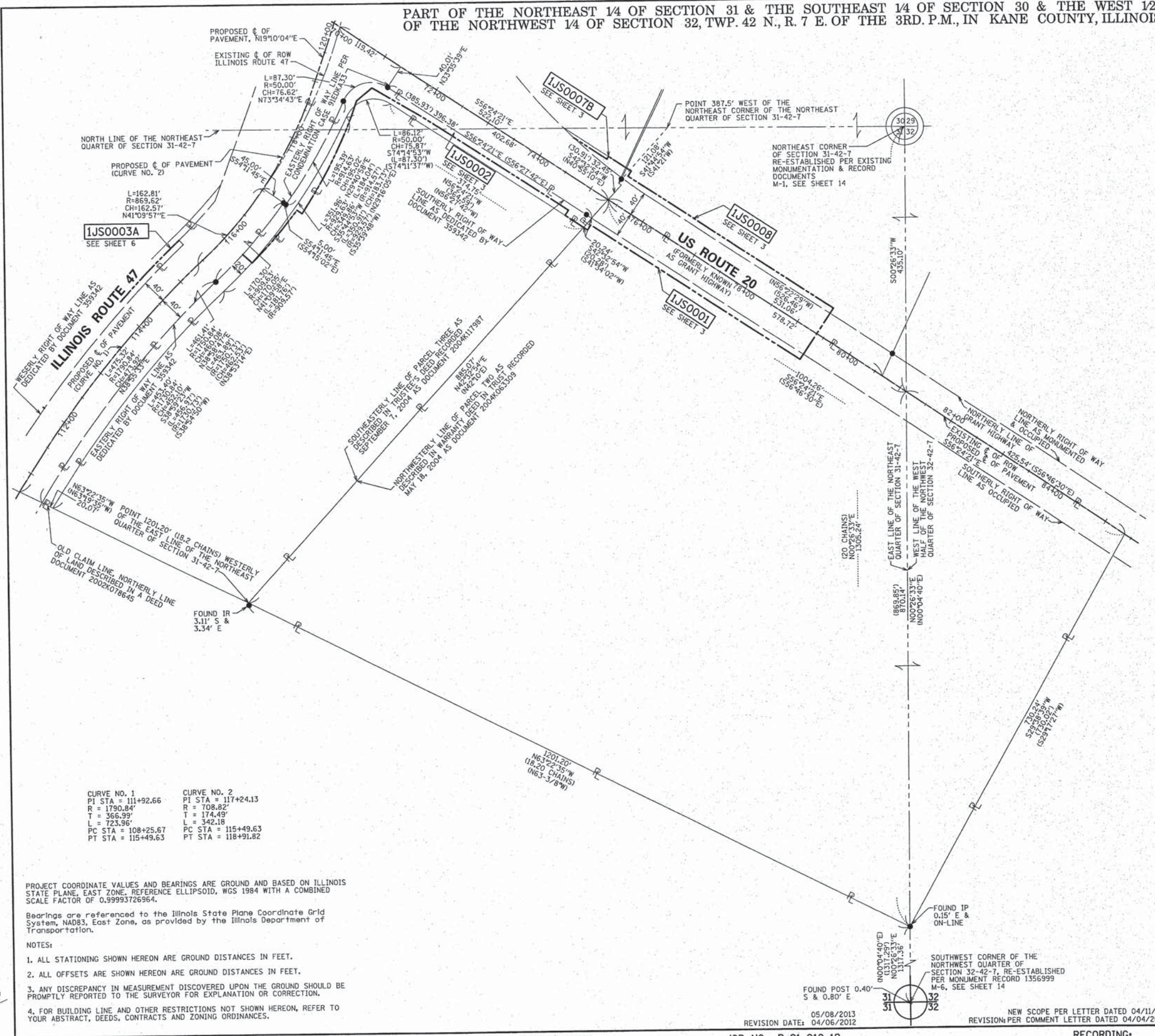
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**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 US ROUTE 20

AT IL ROUTE 47 COUNTY: KANE  
 SECTION: AND IL ROUTE 72  
 PROJECT: US ROUTE 20 JOB NO.: R-91-010-12  
 STATION 70+00.00 TO STATION 85+37.64  
 110+65.00 TO STATION 120+00.00  
 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.

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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RECEIVED  
 MAY 08 2013  
 PLATS & LEGALS

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

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'  
 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**

SECTION CORNER 9 10 16 15  
 QUARTER SECTION CORNER

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPL APPARENT PROPERTY LINE  
 CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 PROPOSED CENTERLINE  
 MEASURED DIMENSION  
 129.32' (COMP)  
 129.32'  
 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  
 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.

M 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 )

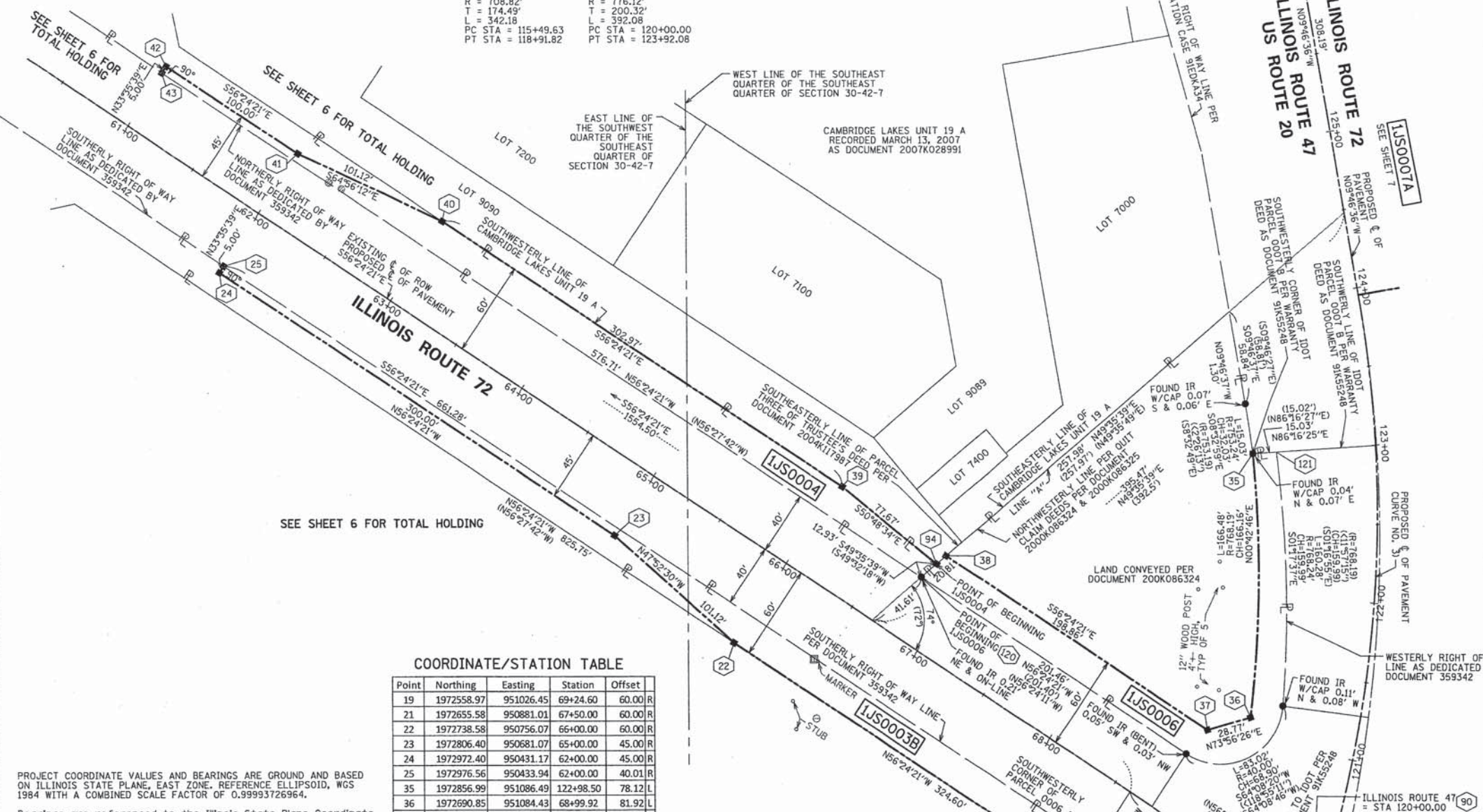
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DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_\_\_ A.D., AT ROSEMONT, ILLINOIS.

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.

GRAPHIC SCALE  
 FEET  
 SCALE: 1" = 40'



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:

- ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
- ALL OFFSETS ARE SHOWN HEREON ARE GROUND DISTANCES IN FEET.
- ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
- 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 ACRES/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
LJS0003B	VILLAGE OF PINGREE GROVE	0.897	0.197	0.000	0.700			02-30-400-027 (PART OF)	
LJS0004	VILLAGE OF PINGREE GROVE	0.809	0.208	0.000	0.601			02-30-400-026 (PART OF)	
LJS0006	JOHN A. WOODALL	0.830	0.185	0.000	0.645			02-30-400-017	

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 PLATS & LEGALS

REVISION DATE: 04/06/2012

REVISION: PER COMMENT LETTER DATED 04/04/2012

REMOVE PARCEL LJS0005 PER EMAIL COMMENTS ON 06/12/2013 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 LJS0005 BUILDINGS AND TOTAL HOLDINGS PER COMMENT LETTER DATED 04/04/2012

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 60+50.00 TO STATION 70+00.00  
 118+00.00 126+00.00  
 SCALE: 1" = 40' SHEET 5 OF 14

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

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	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
- APPL
- 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

GRAPHIC SCALE: FEET  
SCALE: 1" = 100'

- 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 )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-00157, 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.**

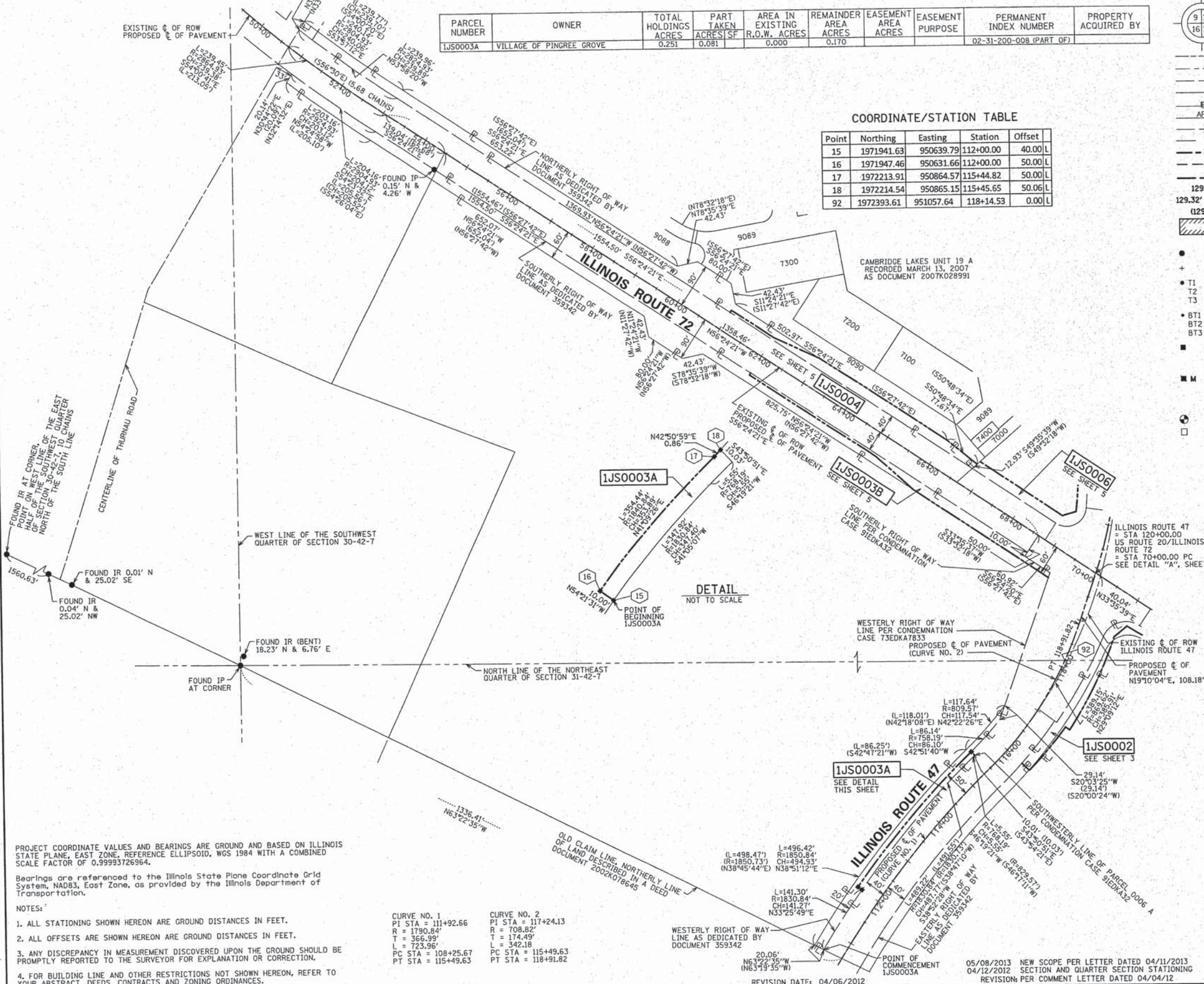
CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

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+65.00 120+00.00  
SCALE: 1" = 100' SHEET 6 OF 15

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



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

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

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MAY 08 2013  
PLATS & LEGALS

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/SF	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1JS0007A	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 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  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORDED DIMENSION  
 EXISTING BUILDING

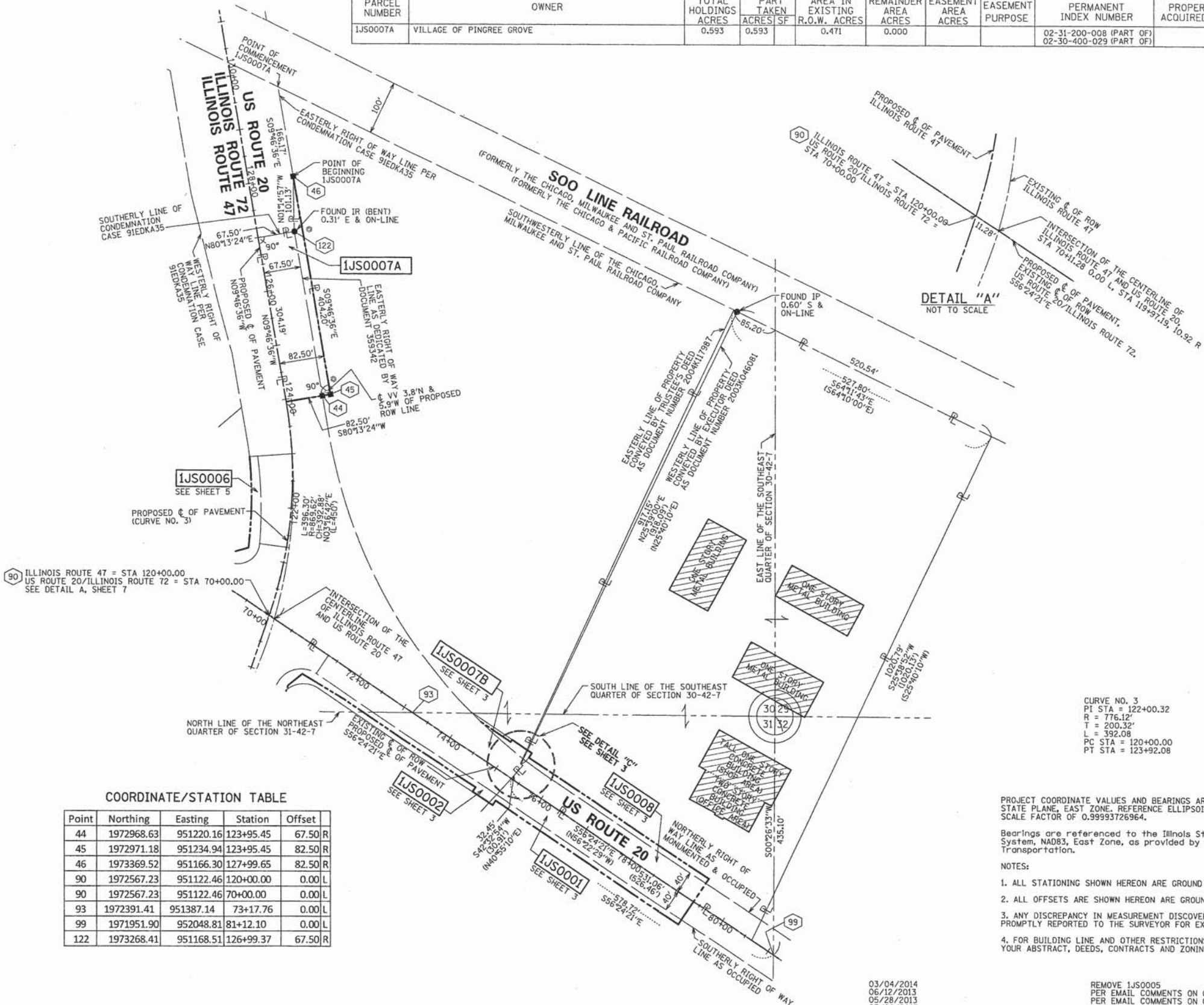
FIRE HYDRANT  
 VALVE VAULT  
 CATCH BASIN  
 SANITARY MANHOLE  
 TELEPHONE MANHOLE  
 CONC CONCRETE  
 IP IRON PIPE  
 IR IRON ROD  
 MON MONUMENT

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  
 M 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

SECTION CORNER  
 QUARTER SECTION CORNER

GRAPHIC SCALE  
 FEET  
 0 100 200  
 SCALE: 1" = 100'



**COORDINATE/STATION TABLE**

Point	Northing	Easting	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

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.

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

REMOVE 1JS0005  
 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  
 SDS  
 RYP  
 RYP  
 RYP  
 MADE BY: RYP

RECEIVED  
 MAR 04 2014  
 PLATS & LEGALS

**SPADCO INC.**

**CONSULTING ENGINEERS  
 SITE DEVELOPMENT ENGINEERS  
 LAND SURVEYORS**

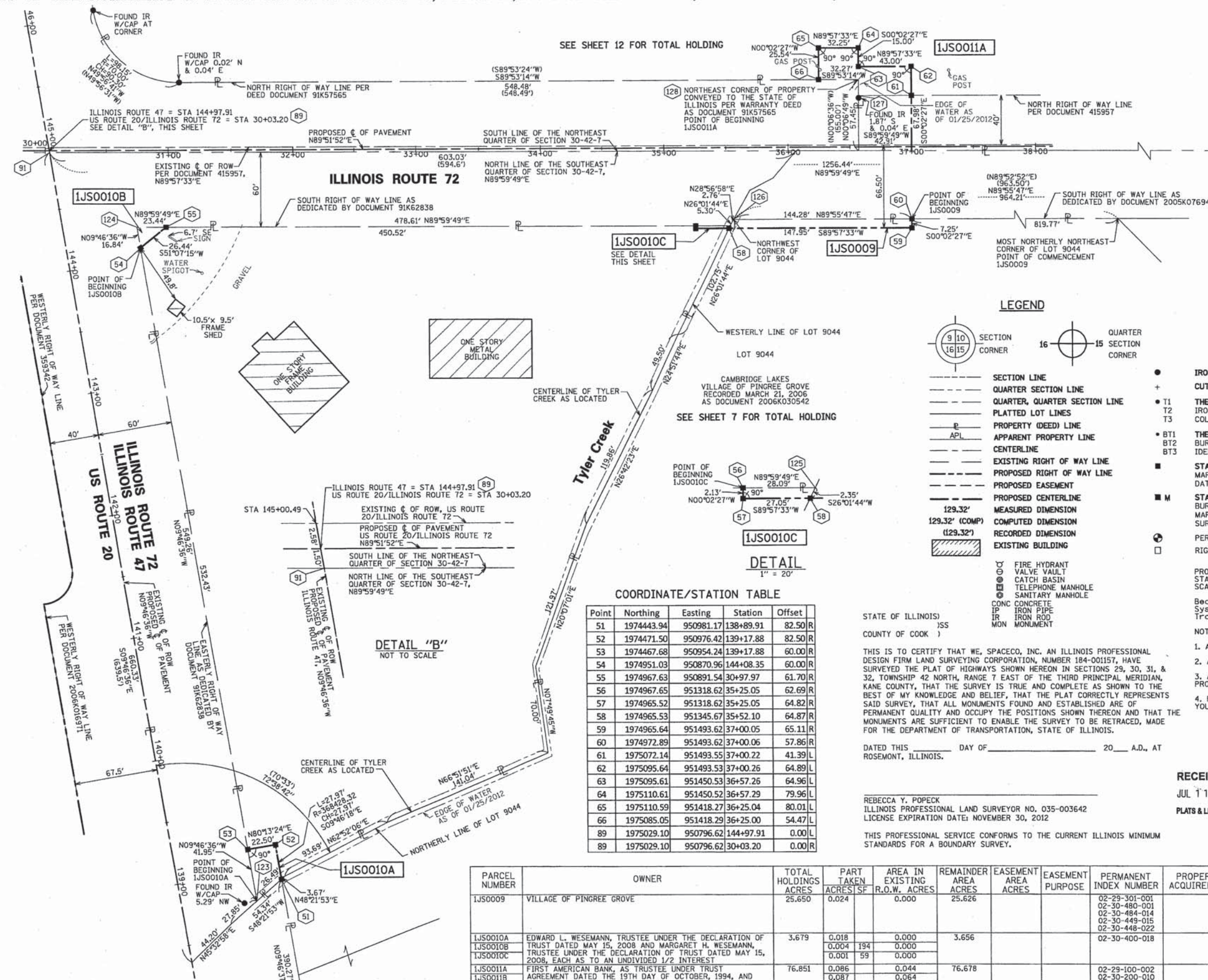
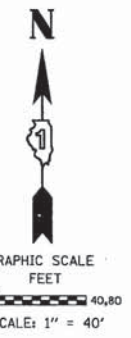
9575 W. Higgins Road, Suite 700  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065

**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+00.00  
 STATION 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

PART OF THE NORTHEAST & SOUTHEAST 1/4 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

**LEGEND**

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, 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
- - - MEASURED DIMENSION
- - - COMPUTED DIMENSION
- - - RECORDED DIMENSION
- - - EXISTING BUILDING

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

- 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.
- 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:

- ALL STATIONING SHOWN HEREON ARE GROUND DISTANCES IN FEET.
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- 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
IJS0009	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	
IJS0010A	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	194 59	0.000 0.000	3.656		02-30-400-018	
IJS0011A	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	

**RECEIVED**  
JUL 11 2012  
PLATS & LEGALS

**SPACECO INC.**  
CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

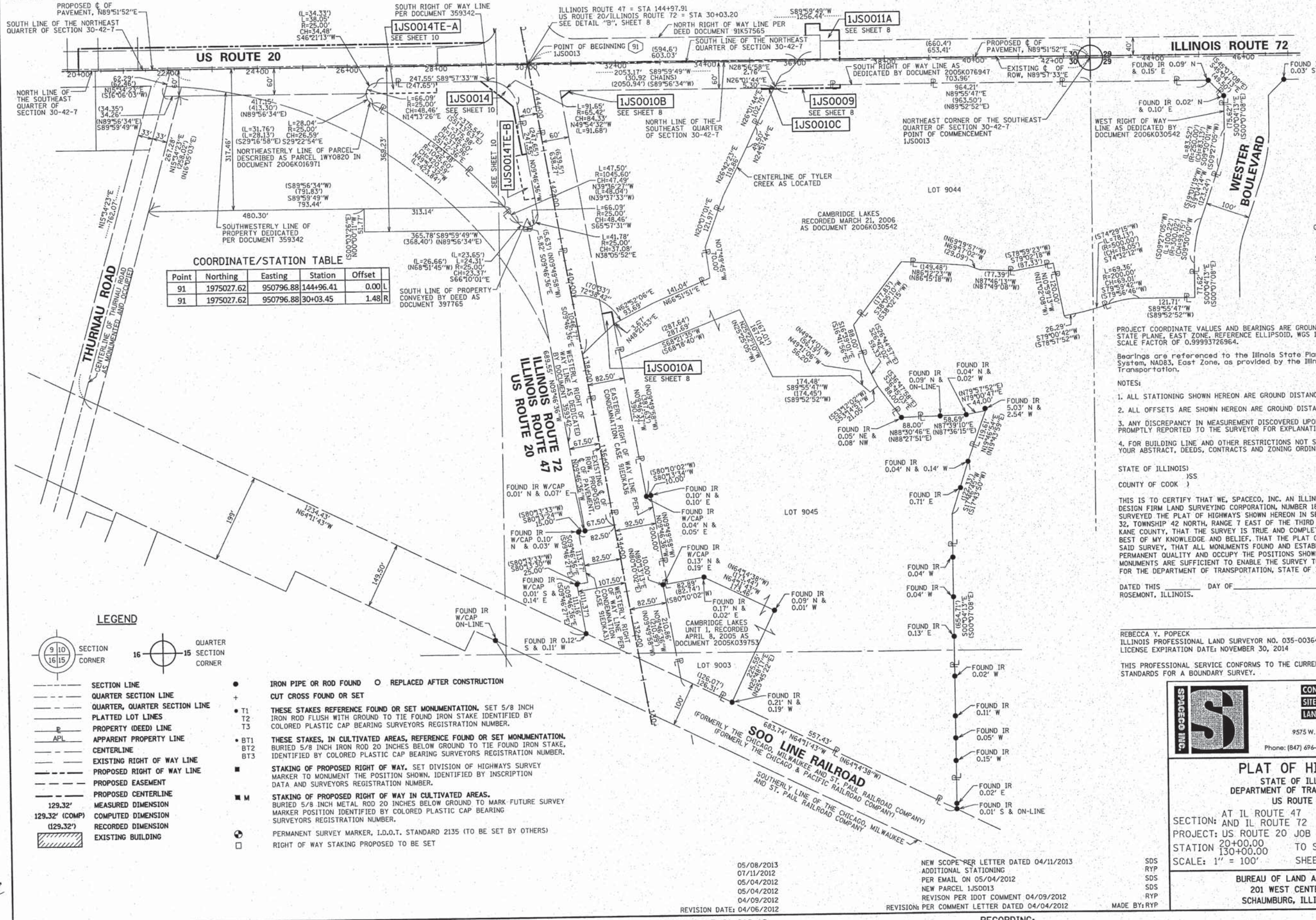
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

**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 30+03.20 TO STATION 38+00.00  
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

**LEGEND**

- SECTION CORNER
- QUARTER CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, 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
- MEASURED DIMENSION
- 129.32' (129.32') COMPUTED DIMENSION
- 129.32' (COMP) RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- 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.
- 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.
- 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 0.99993726964.

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 )  
 ) SS  
 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

RECEIVED  
 MAY 08 2013  
 PLATS & LEGALS

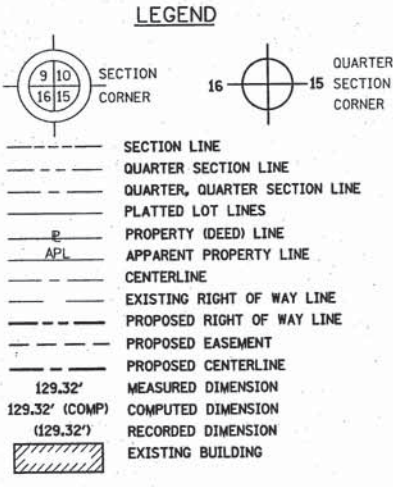
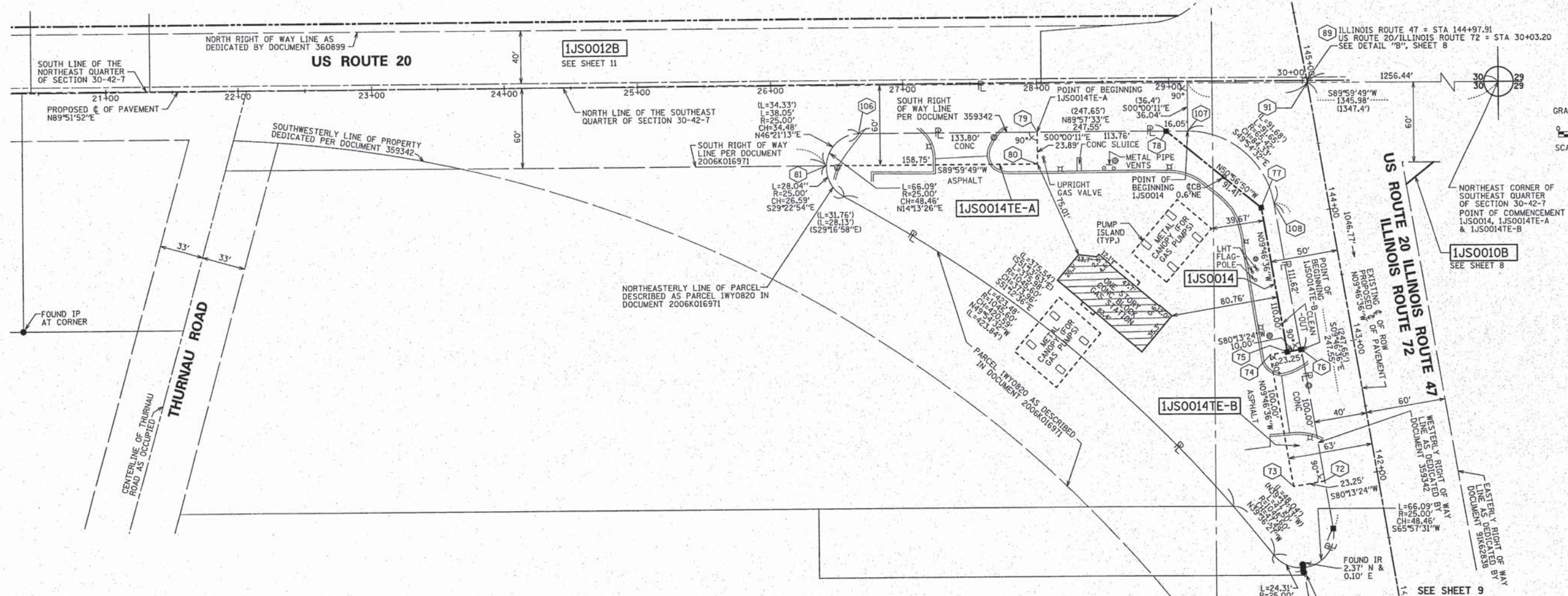
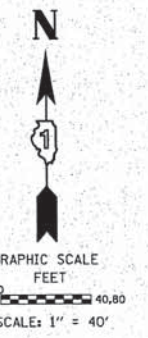
REVISION DATE: 04/06/2012

05/08/2013  
 07/11/2012  
 05/04/2012  
 05/04/2012  
 04/09/2012

NEW SCOPE PER LETTER DATED 04/11/2013  
 ADDITIONAL STATIONING  
 PER EMAIL ON 05/04/2012  
 NEW PARCEL IJS0013  
 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.



- 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

**COORDINATE/STATION TABLE**

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 )  
 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:  
 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.

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
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  
 04/06/2012

REVISION DATE: 04/06/2012

RECORDING:

**SPACECO INC.**

**CONSULTING ENGINEERS  
 SITE DEVELOPMENT ENGINEERS  
 LAND SURVEYORS**

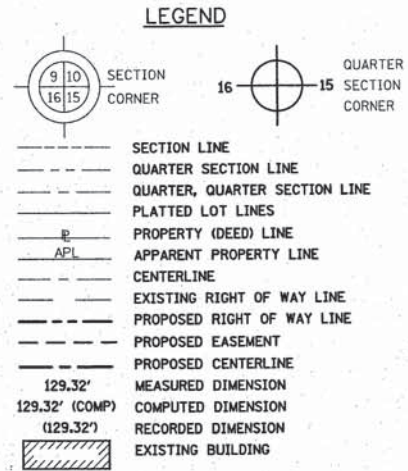
9575 W. Higgins Road, Suite 700,  
 Rosemont, Illinois 60018  
 Phone: (847) 696-4060 Fax: (847) 696-4065

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

SECTION: AT IL ROUTE 47 COUNTY: KANE  
 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  
 SCHAUMBURG, ILLINOIS 60196

PART OF THE NORTHEAST 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.

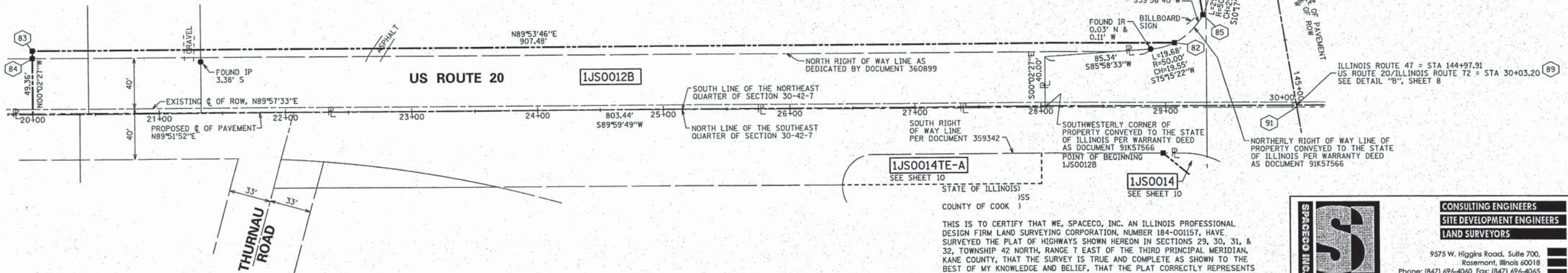
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  - FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.

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	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
IJS0011A IJS0011B	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 0.087	0.044 0.064	76.678			02-29-100-002 02-30-200-010	
IJS0012A IJS0012B	HOME STATE BANK, NATIONAL ASSOCIATION AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 1, 2001 KNOWN AS TRUST NO. 5040	38.879	0.501 0.940	0.312 0.807	37.438			02-30-200-011 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.

NEW SCOPE PER LETTER DATED 04/11/2013  
 ADDITIONAL STATIONING  
 PER EMAIL ON 05/04/2012  
 NEW PARCEL IJS0013  
 REVISION: PER COMMENT LETTER DATED 04/04/2012

SDS  
 RYP  
 SDS  
 SDS  
 MADE BY: RYP



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  
 AND IL ROUTE 72  
 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

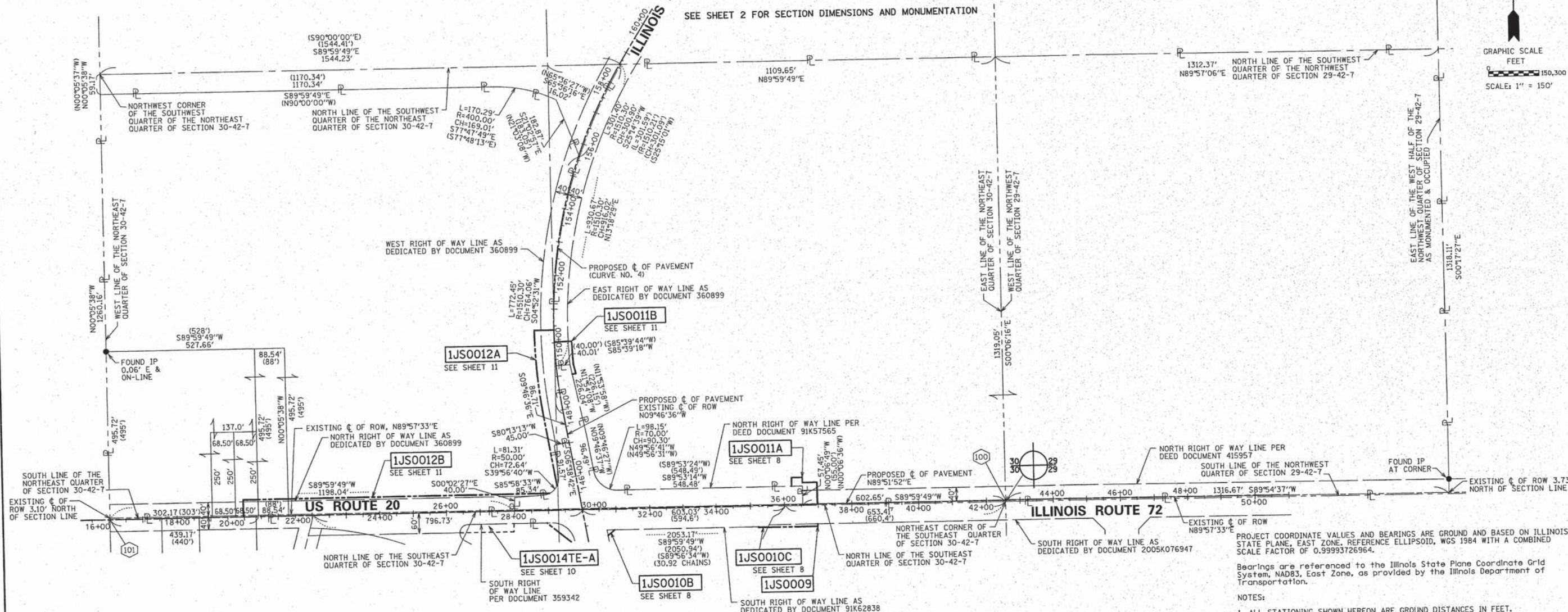
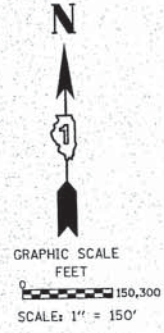
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

RECEIVED  
 MAY 08 2013  
 PLATS & LEGALS

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

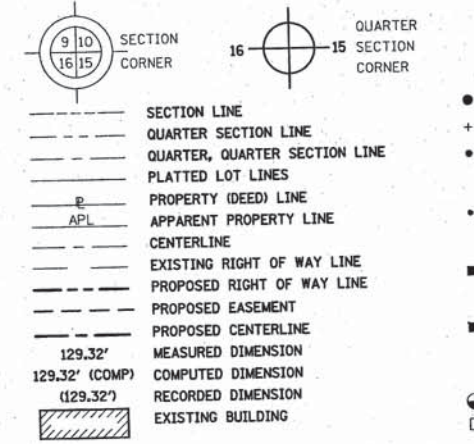
Point	Northing	Easting	Station	Offset
100	1975032.08	852053.31	42+59.89	0.00R
101	1975025.79	949398.84	16+05.42	0.00R



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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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

CURVE NO. 4  
 PI STA = 153+60.73  
 R = 1497.22'  
 T = 563.81'  
 L = 1078.54'  
 PC STA = 147+96.86  
 PT STA = 158+75.40

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-00157, 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, IN 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  
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 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  
 SECTION: AT IL ROUTE 47 COUNTY: KANE  
 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

US ROUTE 20

SECTION: AT IL ROUTE 47 AND AT IL ROUTE 72

KANE COUNTY

JOB NO.: R-91-010-12

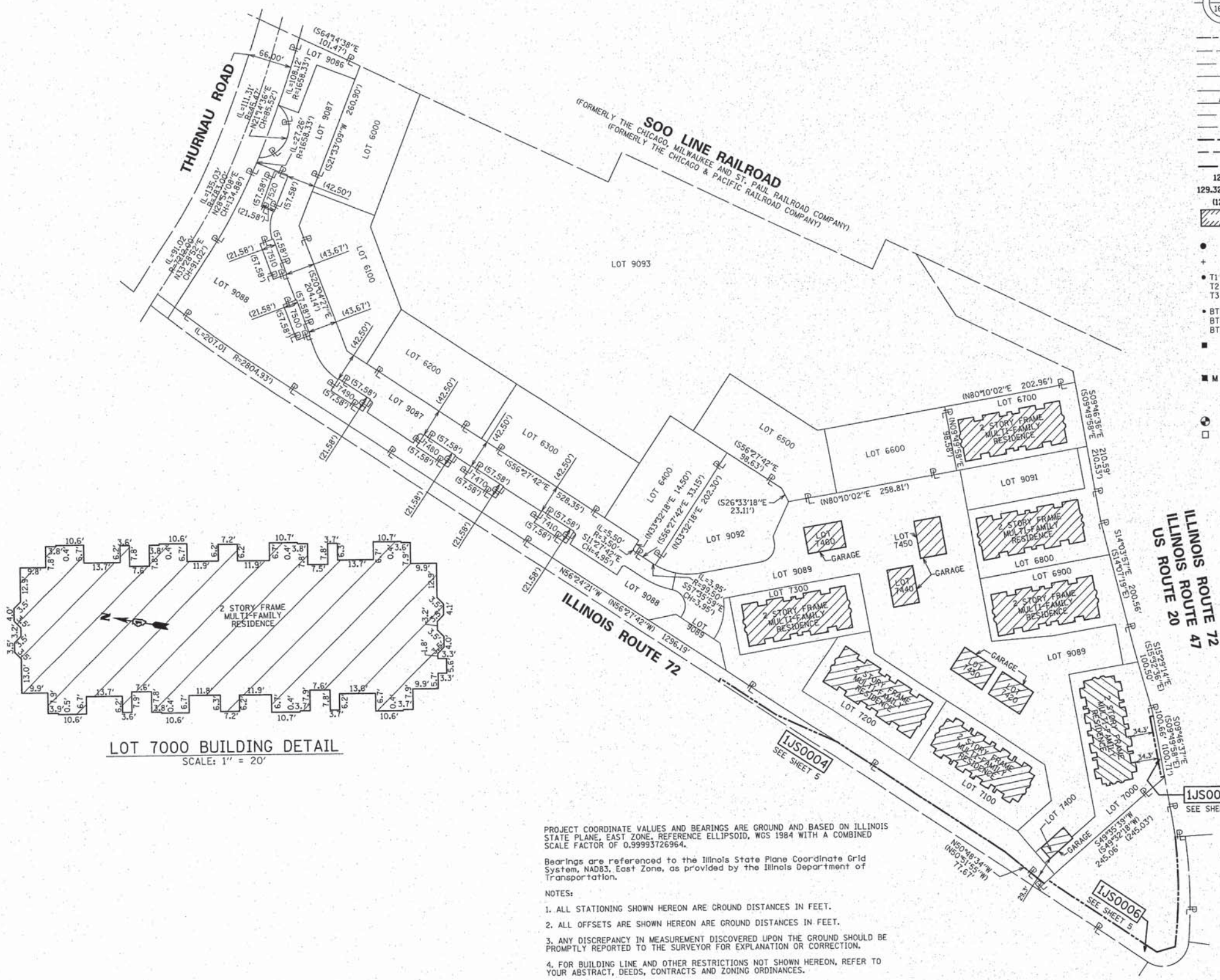
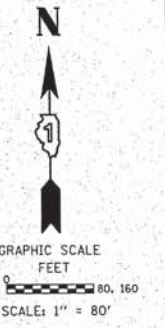
RECORDING:



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

SECTION CORNER: 9 10 15 16  
 QUARTER CORNER: 16 15  
 SECTION LINE: Dashed line  
 QUARTER SECTION LINE: Dashed line  
 QUARTER, QUARTER SECTION LINE: Dashed line  
 PLATTED LOT LINES: Solid line  
 PROPERTY (DEED) LINE: Solid line  
 AP: Solid line  
 APPARENT PROPERTY LINE: Solid line  
 CENTERLINE: Solid line  
 EXISTING RIGHT OF WAY LINE: Dashed line  
 PROPOSED RIGHT OF WAY LINE: Dashed line  
 PROPOSED EASEMENT: Dashed line  
 PROPOSED CENTERLINE: Dashed line  
 MEASURED DIMENSION: 129.32'  
 COMPUTED DIMENSION: 129.32' (COMP)  
 RECORDED DIMENSION: 129.32'  
 EXISTING BUILDING: Hatched area  
 FIRE HYDRANT: Circle with cross  
 VALVE VAULT: Circle with dot  
 CATCH BASIN: Circle with cross  
 TELEPHONE MANHOLE: Square with cross  
 SANITARY MANHOLE: Square with dot  
 CONC: Concrete  
 IR: Iron Pipe  
 IR ROD: Iron Rod  
 MON: Monument



- 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.
- T3 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.
- 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.
- 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 )  
 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" = 80' SHEET 13 OF 15

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

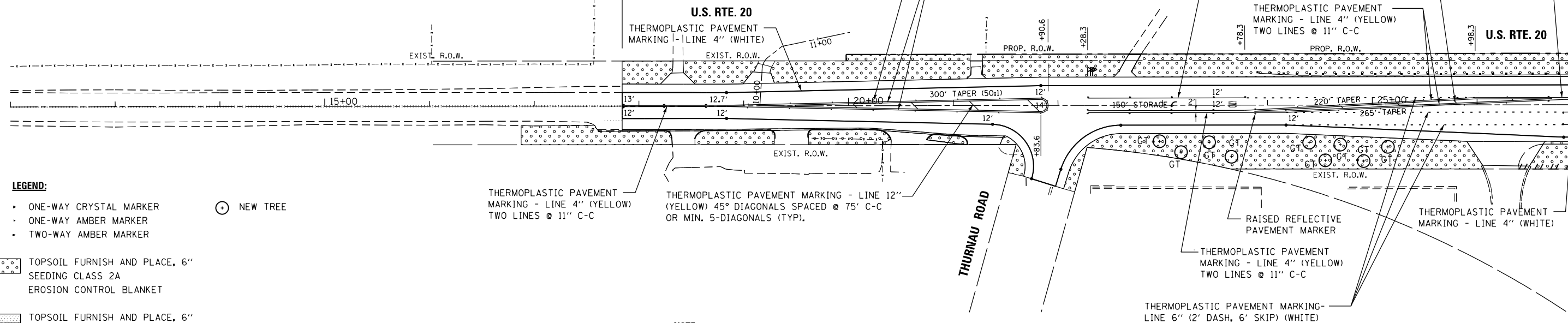
PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND BASED ON ILLINOIS STATE PLANE, EAST ZONE, REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99993726964.  
 Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department 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.

RECEIVED  
 MAY 08 2013  
 PLATS & LEGALS

REVISION DATE: 04/25/2012  
 REVISION: ADD BUILDING TIES  
 NEW SCOPE PER LETTER DATED 04/11/2013  
 RECORDING: SDS  
 MADE BY: RYP

TREE SHORT NAME	NO. OF TREES	TREE FULL NAME & SIZE
GT	9	TREE, GLEDITSIA TRICANTHOS INERMIS SKYLINE (SYKLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND
AL	7	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
QA	14	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED

**PROJECT LIMITS**  
STA. 17+84.00



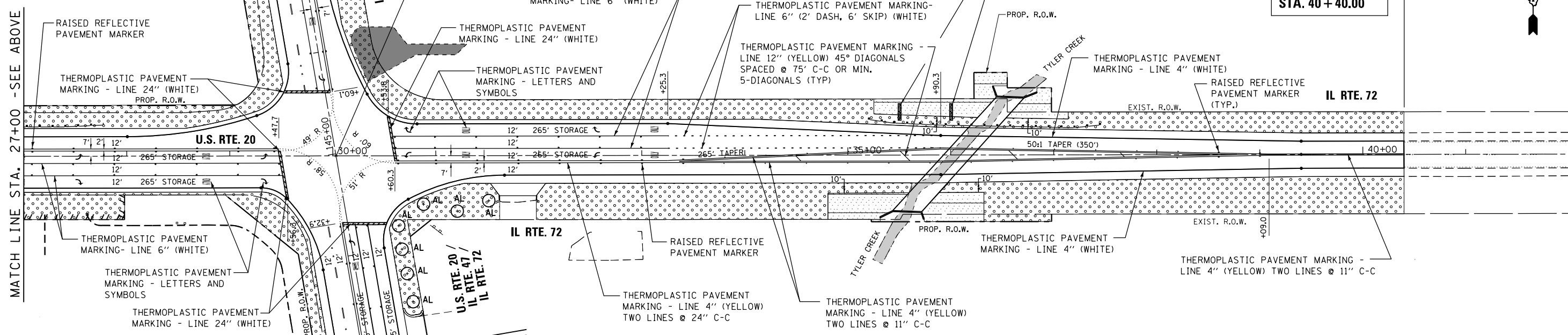
- LEGEND:**
- ONE-WAY CRYSTAL MARKER
  - ONE-WAY AMBER MARKER
  - TWO-WAY AMBER MARKER
  - TOPSOIL FURNISH AND PLACE, 6" SEEDING CLASS 2A EROSION CONTROL BLANKET
  - TOPSOIL FURNISH AND PLACE, 6" SEEDING CLASS 4 (MOD.) EROSION CONTROL BLANKET
  - NEW TREE

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

MATCH LINE STA. 27+00 - SEE BELOW

MATCH LINE STA. 147+00 - SHEET 2

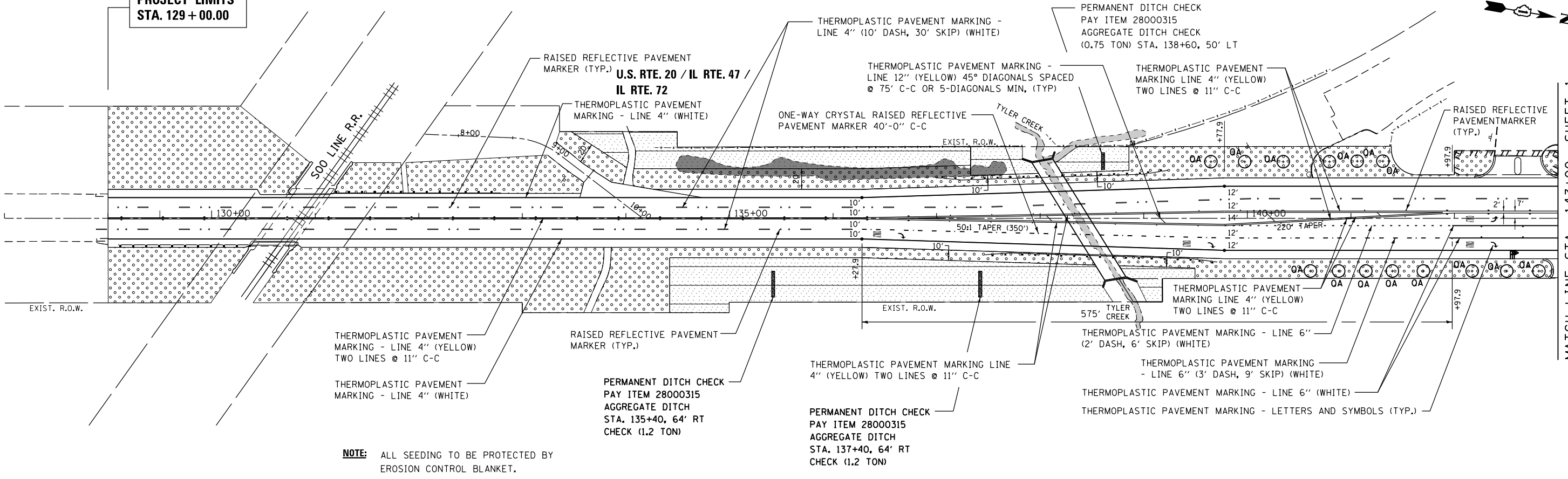
**PROJECT LIMITS**  
STA. 40+40.00



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

FILE NAME =	USER NAME = #USER#	DESIGNED - MTM	REVISED - 5/2/14 BA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND LANDSCAPING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - BA	REVISED -		U.S. RTE 20 (NORTH JUNCTION)	345	106-S-N-1	KANE	167	74		
#MODELNAME#	PLOT DATE = #DATE#	DATE - 3/31/14	REVISED -	SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 17+84	TO STA. 40+40	CONTRACT NO. 60T10			
											ILLINOIS FED. AID PROJECT	

**PROJECT LIMITS  
STA. 129+00.00**



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

PERMANENT DITCH CHECK  
PAY ITEM 28000315  
AGGREGATE DITCH  
STA. 137+40, 64' RT  
CHECK (1.2 TON)

PERMANENT DITCH CHECK  
PAY ITEM 28000315  
AGGREGATE DITCH  
STA. 135+40, 64' RT  
CHECK (1.2 TON)

PERMANENT DITCH CHECK  
PAY ITEM 28000315  
AGGREGATE DITCH CHECK  
(0.75 TON) STA. 138+60, 50' LT

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 11" C-C

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) 45° DIAGONALS SPACED @ 75' C-C OR 5-DIAGONALS MIN, (TYP)

RAISED REFLECTIVE PAVEMENT MARKER (TYP.)

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) TWO LINES @ 11" C-C

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)

RAISED REFLECTIVE PAVEMENT MARKER (TYP.)

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 11" C-C

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP) (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' DASH, 9' SKIP) (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 11" C-C

RAISED REFLECTIVE PAVEMENT MARKER (TYP.)

MATCH LINE STA. 143+00 - SHEET 1

**LEGEND:**

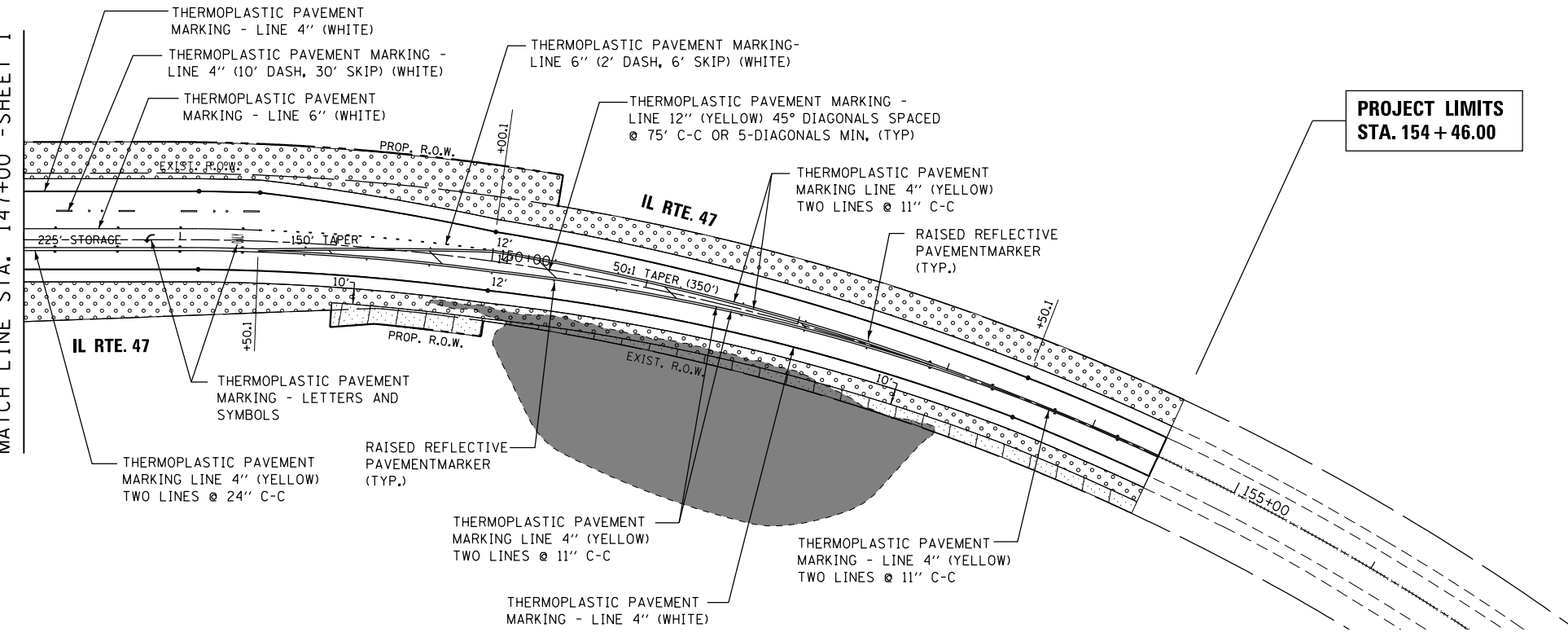
- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER
- TWO-WAY AMBER MARKER

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	9	TREE, GLEDITSIA TRICANTHOS INERMIS SKYLINE (SYKLIN THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND
AL	7	TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
OA	14	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED

MATCH LINE STA. 147+00 - SHEET 1



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

**PROJECT LIMITS  
STA. 154+46.00**

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' DASH, 30' SKIP) (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP) (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) 45° DIAGONALS SPACED @ 75' C-C OR 5-DIAGONALS MIN, (TYP)

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 11" C-C

RAISED REFLECTIVE PAVEMENT MARKER (TYP.)

IL RTE. 47

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 24" C-C

RAISED REFLECTIVE PAVEMENT MARKER (TYP.)

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) TWO LINES @ 11" C-C

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) TWO LINES @ 11" C-C

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)

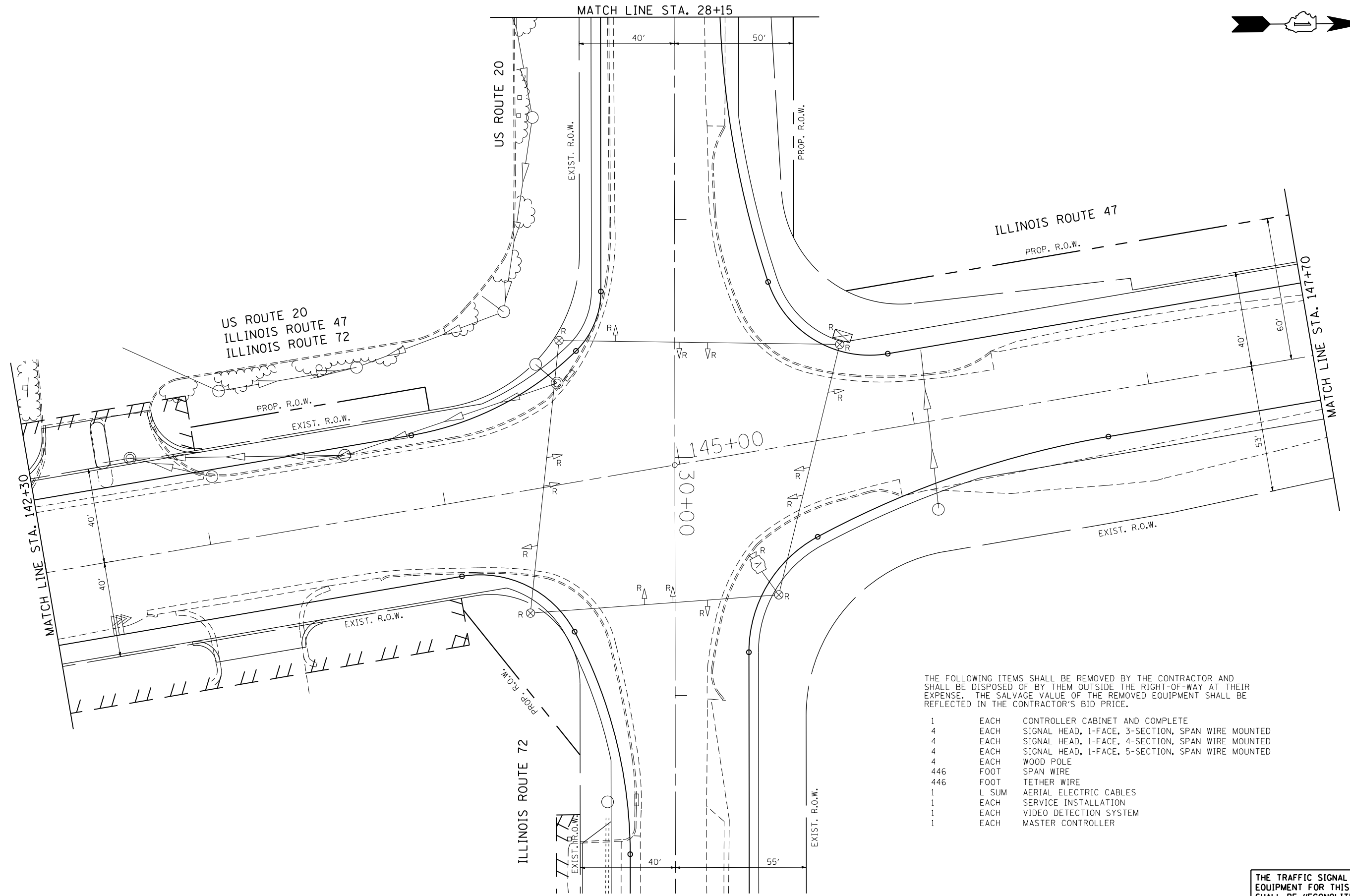
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		DRAWN - MTM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BA	REVISED -
	PLOT DATE = *DATE*	DATE - 3/31/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 129+00 TO STA. 154+46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	75
CONTRACT NO. 60T10				
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
- 446 FOOT SPAN WIRE
- 446 FOOT TETHER WIRE
- 1 L SUM AERIAL ELECTRIC CABLES
- 1 EACH SERVICE INSTALLATION
- 1 EACH VIDEO DETECTION SYSTEM
- 1 EACH MASTER CONTROLLER

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

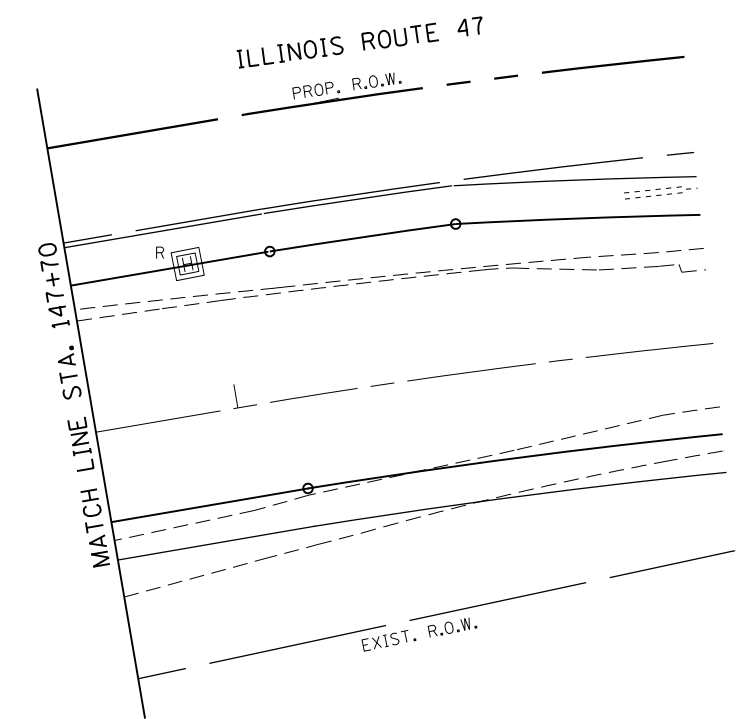
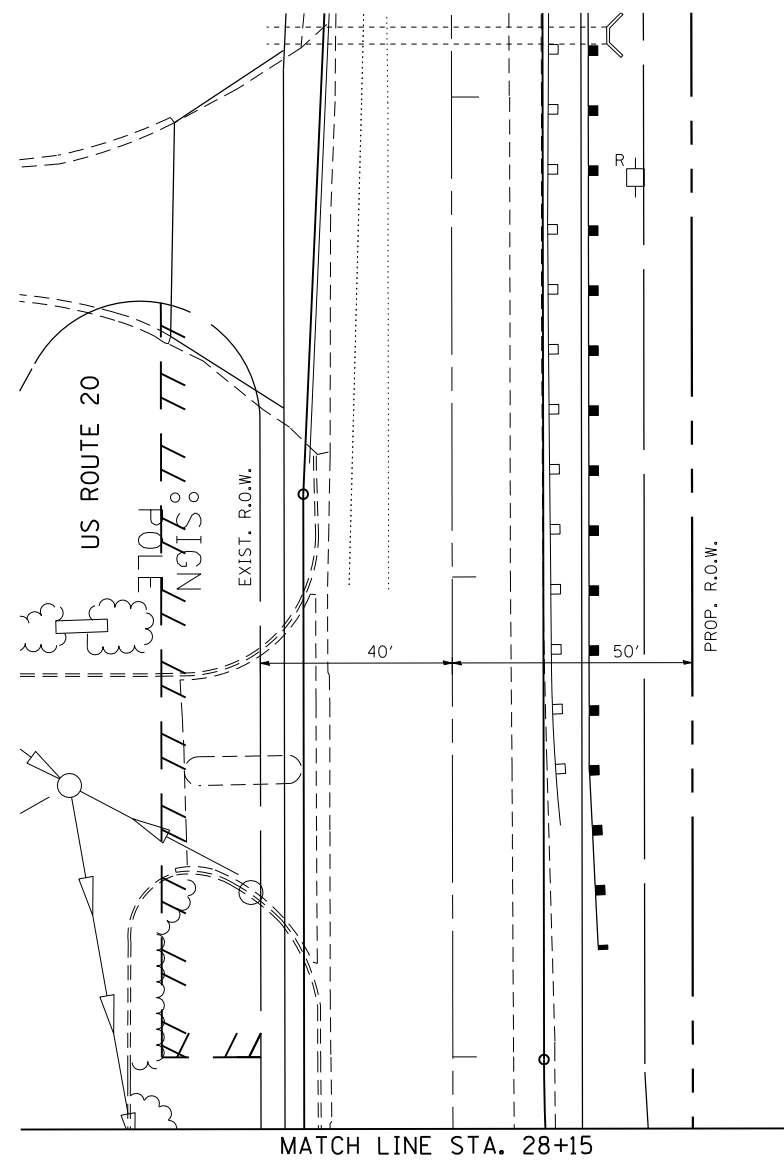
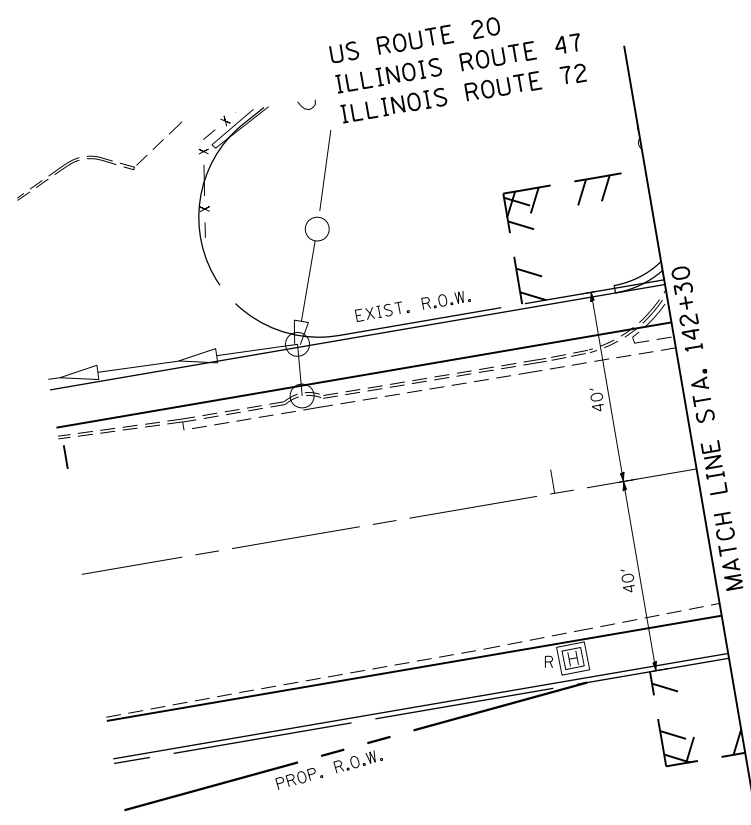
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\6010 (north)\3.US 20 at IL	DRAWN72 (North	Action).Removal.Int.dwg
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	76
CONTRACT NO. 60T10				
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
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\6010 (north)\4.US 20 at IL	DRAWN72 (North Junction).Removal.Int.2.dwg	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**

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

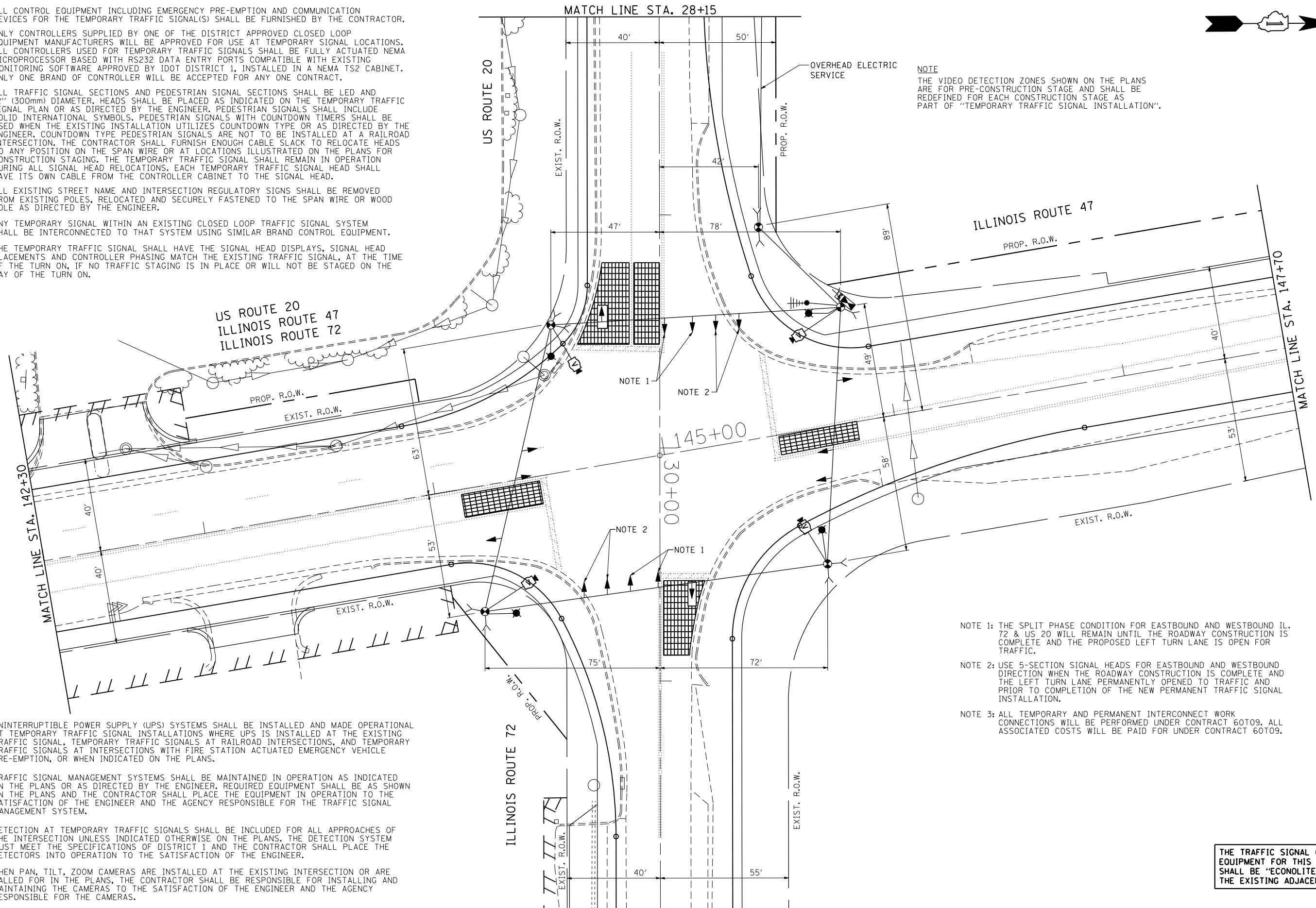
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	77
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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.



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.

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

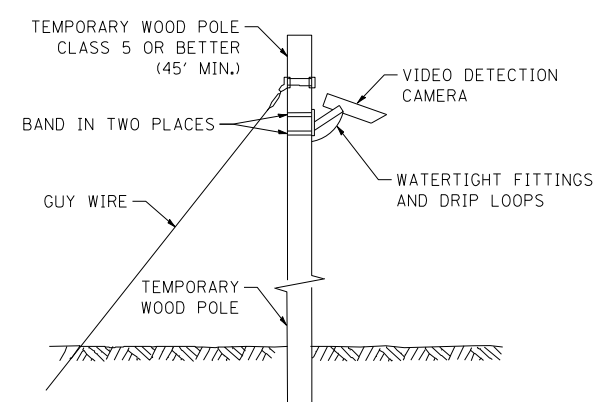
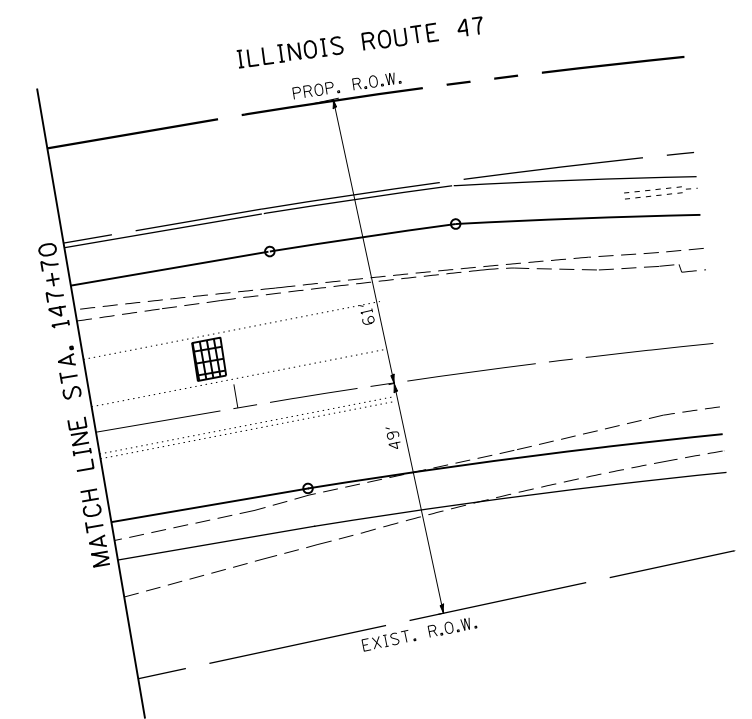
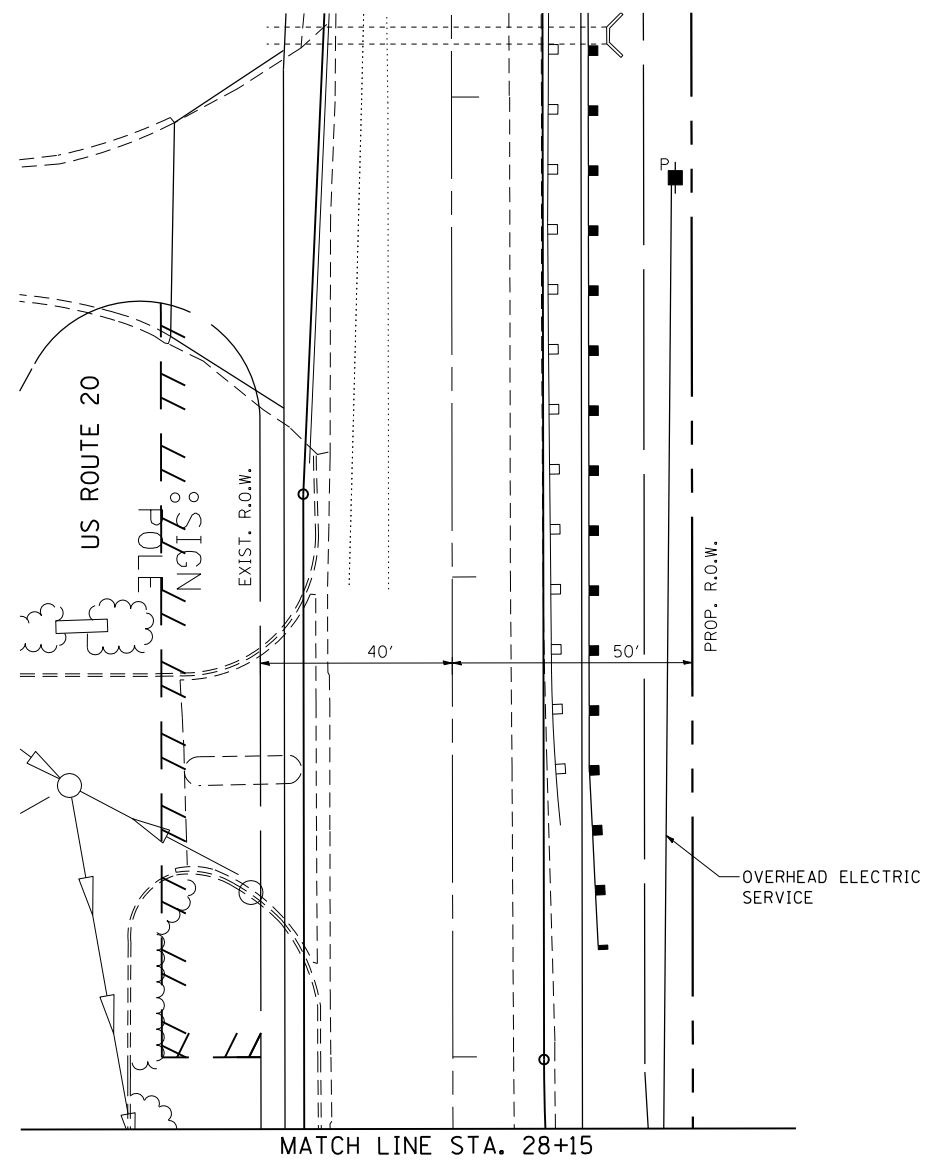
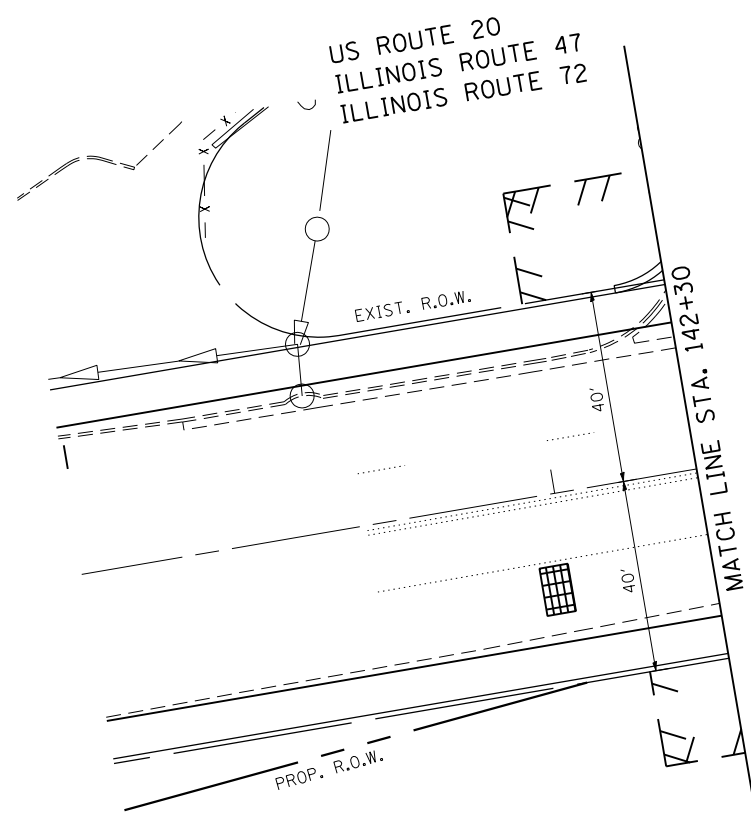
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION 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 = Esso	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t10 (north)\15.US 20 at IL	DRAWN72 (North Action).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			
(NORTH 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-1	KANE	167	78
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

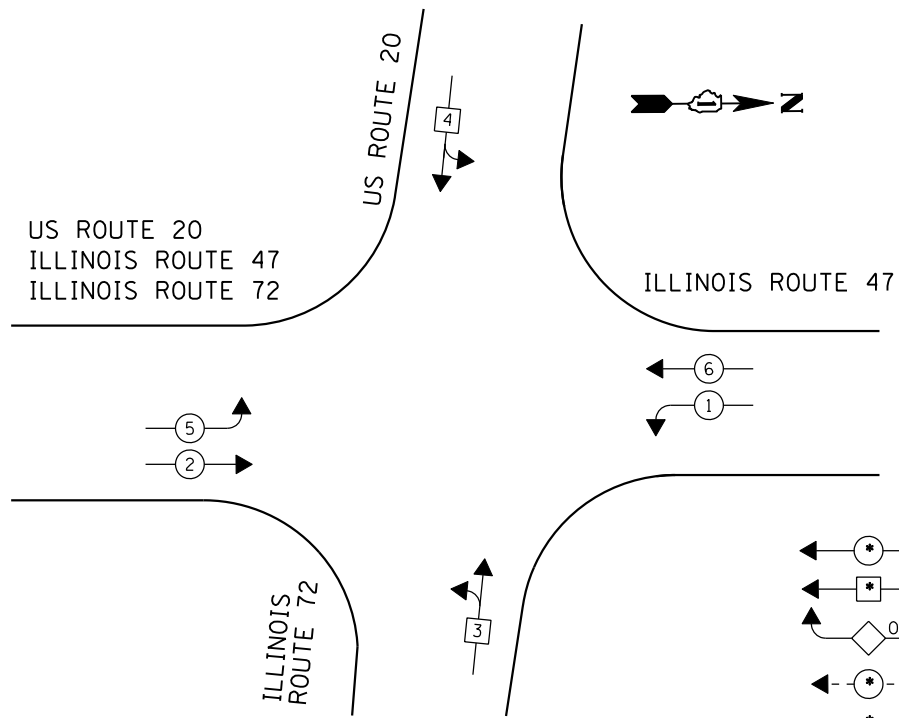


TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

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	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (NORTH JUNCTION) (SHEET 2 OF 2)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\6010 (north)\16.US 20 at IL	DRAWN72 (North Junction).Temp.Int.2.dgn	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	345	106-S-N-1	KANE	167	79
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -								CONTRACT NO. 60T10			
	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**

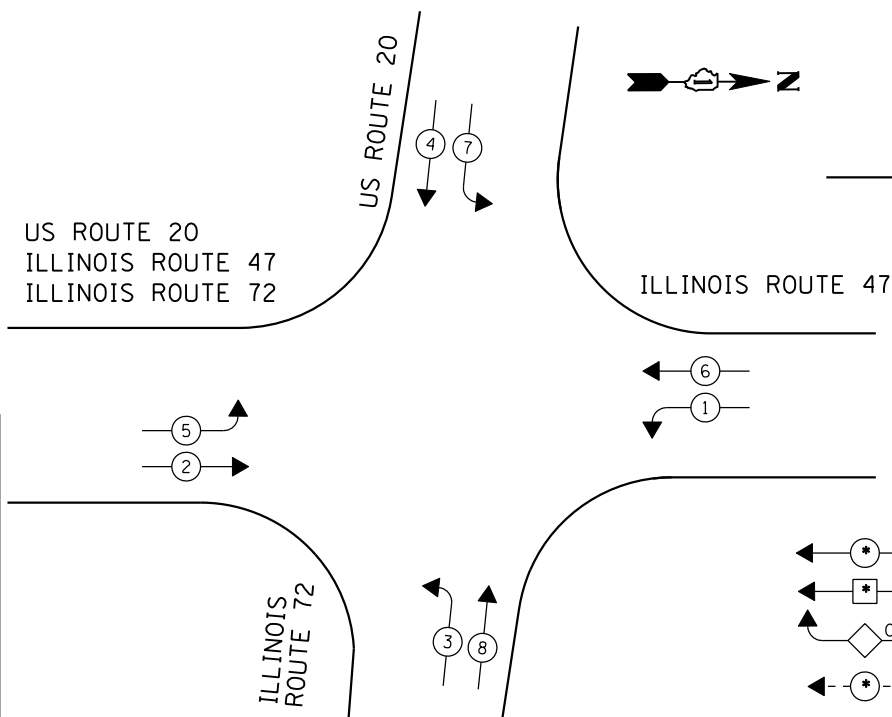
NOTE 1: THE SPLIT PHASE CONDITION FOR EASTBOUND AND WESTBOUND IL. 72 & US 20 WILL REMAIN UNTIL THE ROADWAY CONSTRUCTION IS COMPLETE AND THE PROPOSED LEFT TURN LANE IS OPEN FOR TRAFFIC.

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

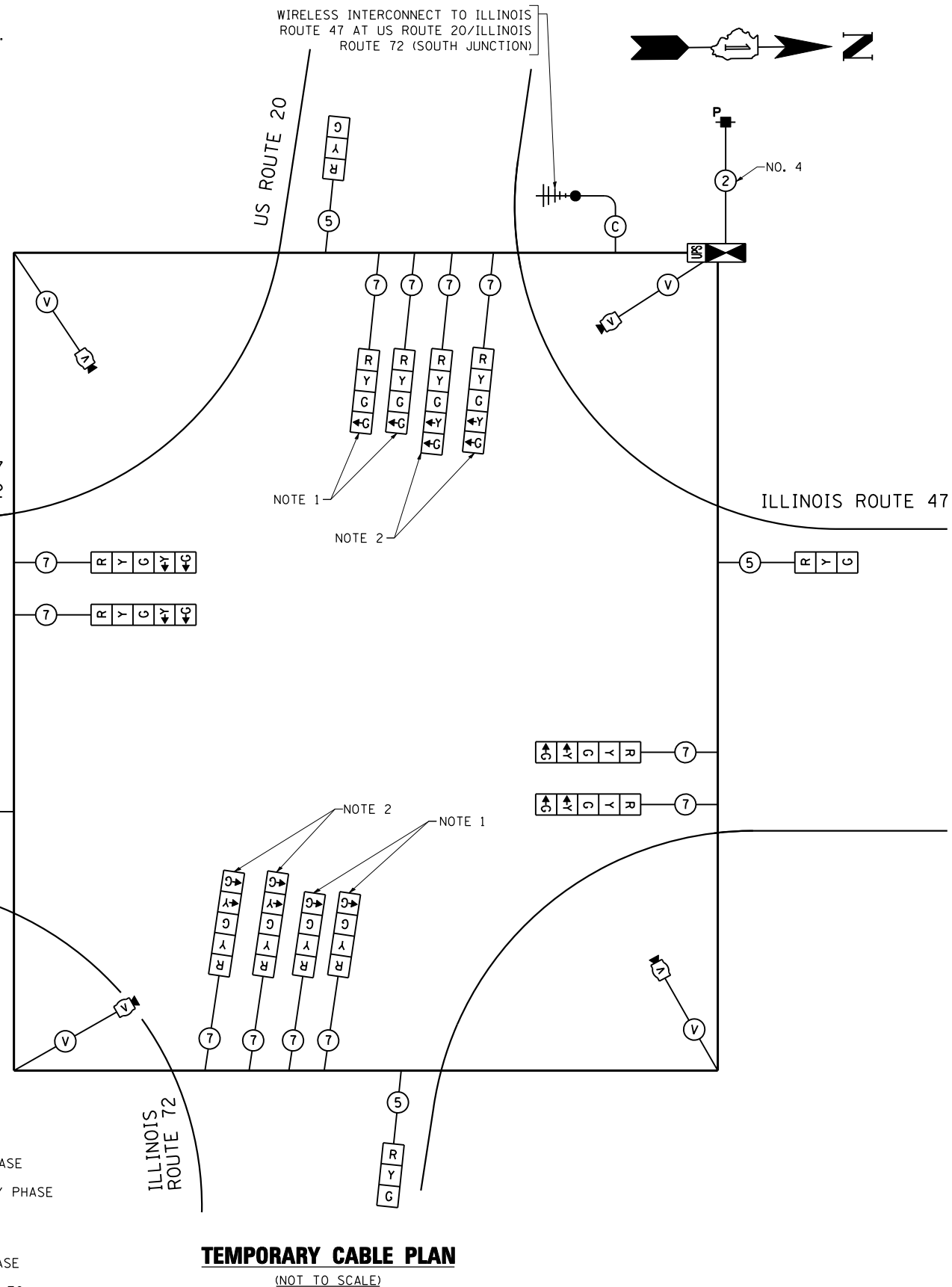
**CONTROLLER SEQUENCE**



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

US ROUTE 20  
ILLINOIS ROUTE 47  
ILLINOIS ROUTE 72

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



**TEMPORARY CABLE PLAN**

(NOT TO SCALE)

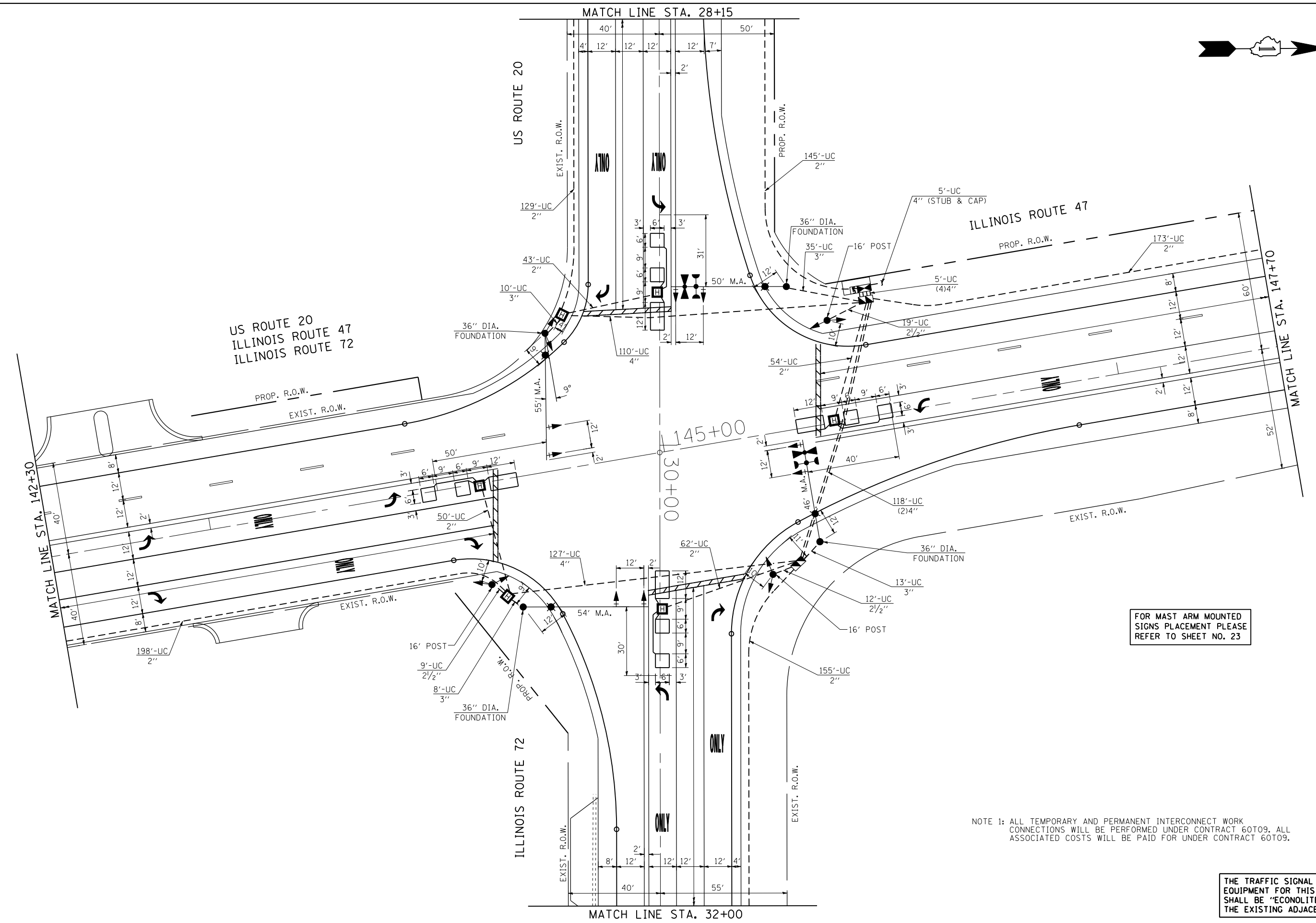
**LEGEND**

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

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

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





FOR MAST ARM MOUNTED  
SIGNS PLACEMENT PLEASE  
REFER TO SHEET NO. 23

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.

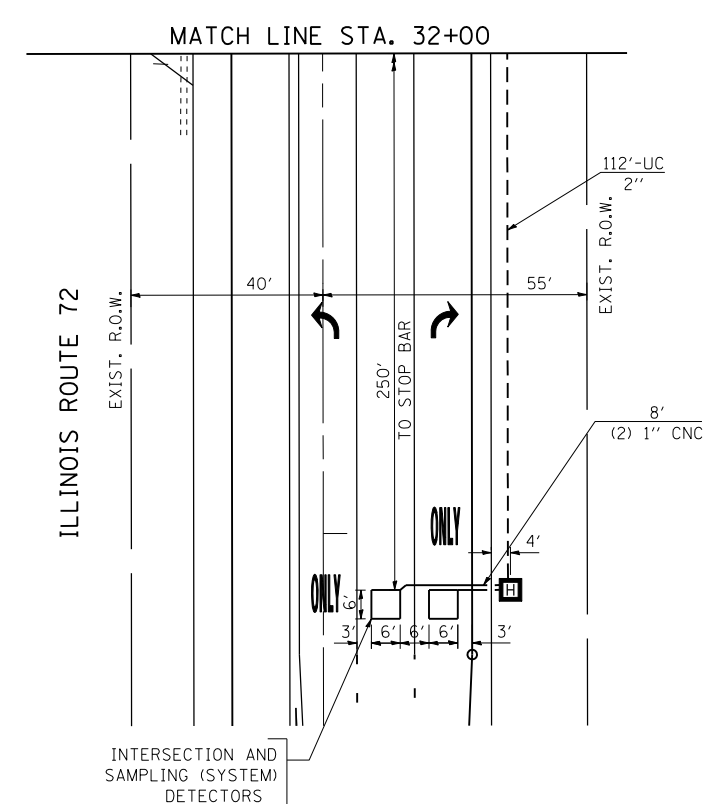
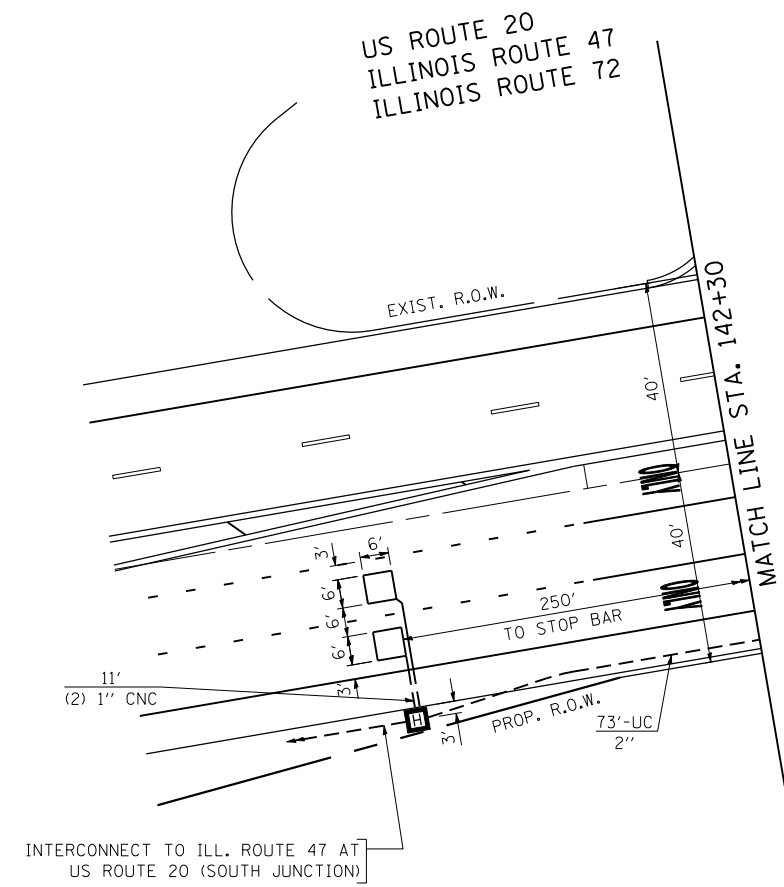
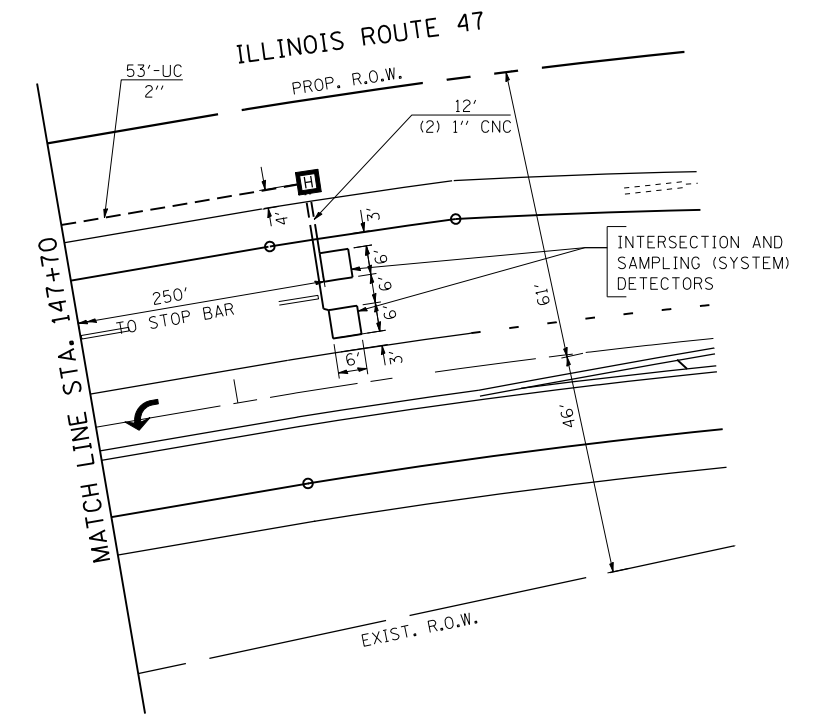
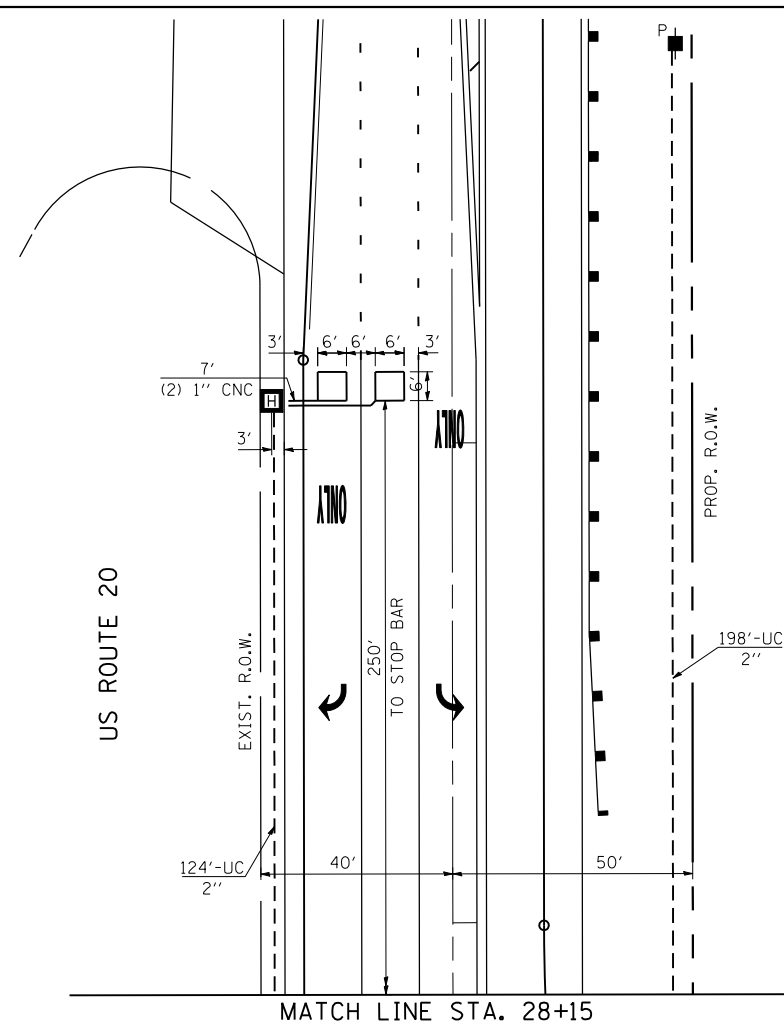
THE TRAFFIC SIGNAL CONTROL  
EQUIPMENT FOR THIS PROJECT  
SHALL BE "ECONOLITE" TO MATCH  
THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60t10 (north)\18.US 20 at IL	DRAWN72 (North	Action).Int.dgn
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

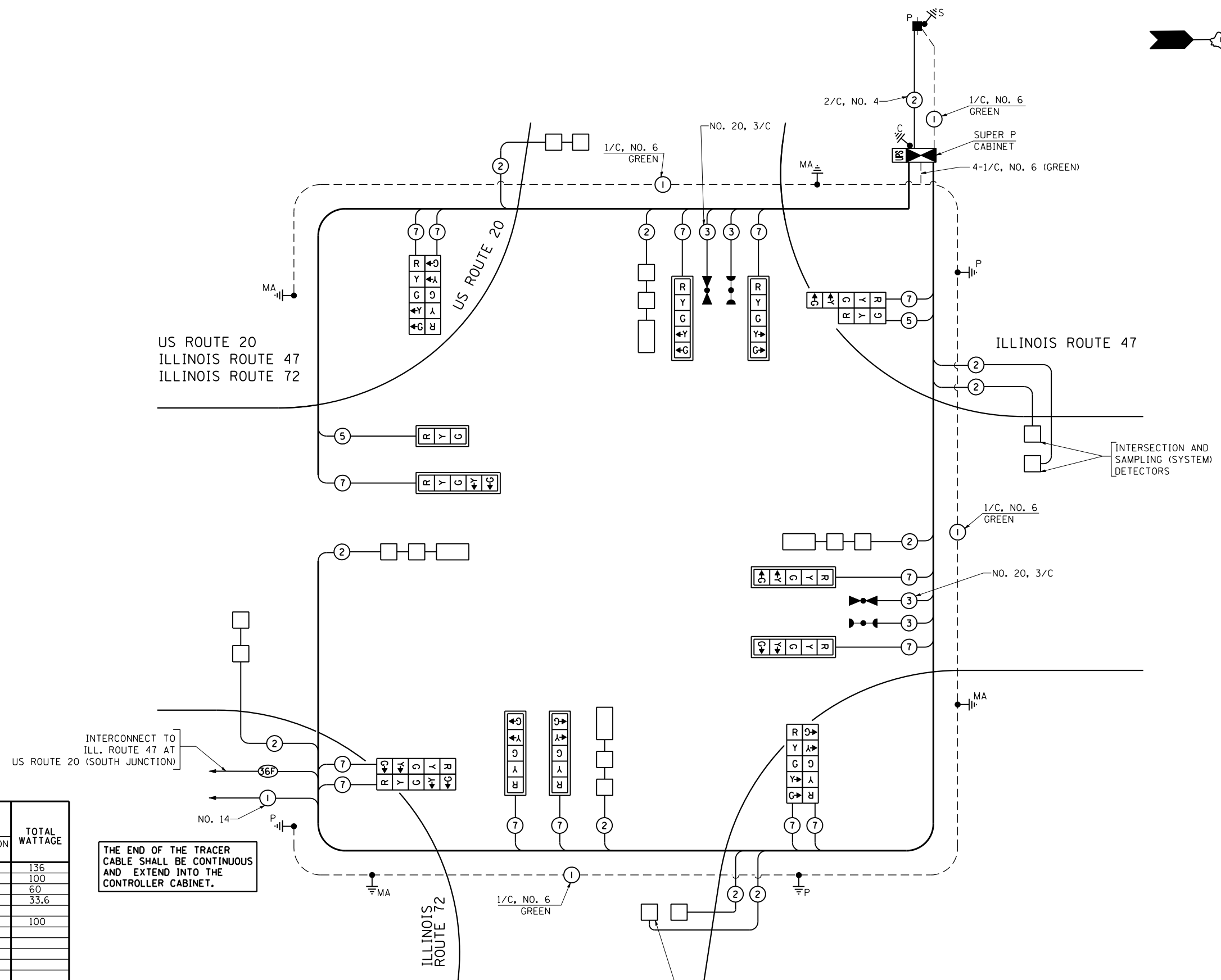
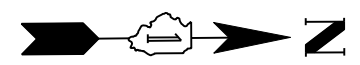
TRAFFIC SIGNAL INSTALLATION PLAN			
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72			
(NORTH JUNCTION) (SHEET 1 OF 2)			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	81
CONTRACT NO. 60T10				
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	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (NORTH JUNCTION) (SHEET 2 OF 2)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
k:\projects\projects 2013\us 20 at il 47	il 72\signals\6010 (north)\9.US 20 at IL	DRAWN72 (North Junction).Int.2.dgn	REVISED -		SCALE: 1"=20'	SHEET NO.	OF	SHEETS	STA.	TO	STA.	345	106-S-N-1	KANE	167	82
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - PKG	REVISED -									CONTRACT NO. 6010				
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -									FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



**CABLE PLAN**  
(NOT TO SCALE)

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					

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.

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
k:\projects\projects 2013\us 20 at il 47	& il 72\signals\60110 (north)\20.US 20 at IL	DRAWN 72 (North 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**

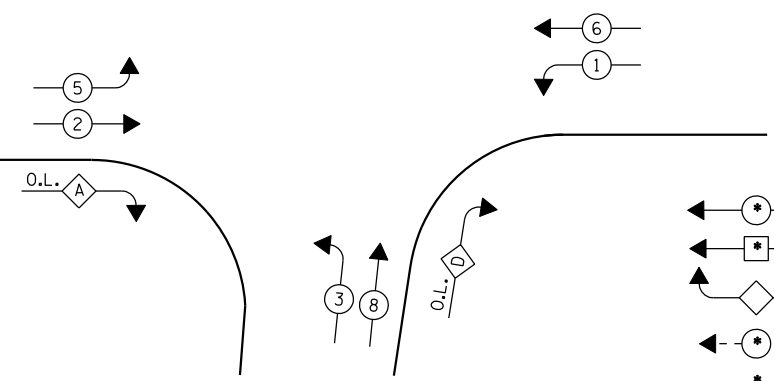
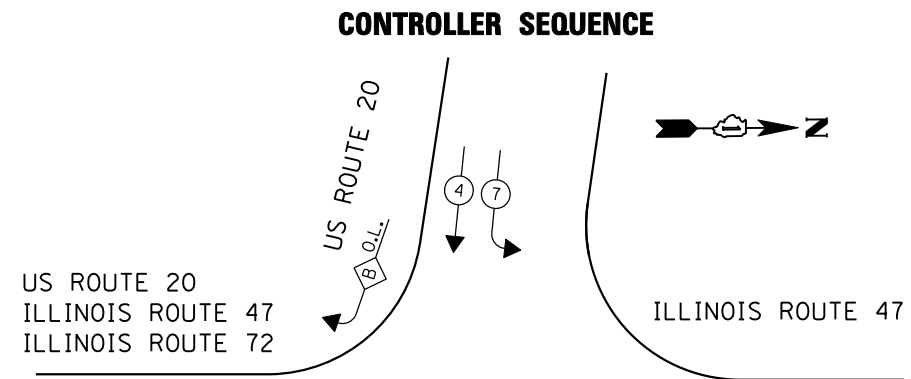
CABLE PLAN ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (NORTH JUNCTION)			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	83
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
9	SQ FT	SIGN PANEL - TYPE 1
80.5	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1569	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
40	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
66	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
499	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
10	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER-FIBER OPTIC
• 363	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
262	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
3050	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3166	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
363	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2C
981	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
58	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
• 2	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
• 363	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
•• 1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

- 100% COST TO VILLAGE OF PINGREE GROVE
- SUPER P CABINET



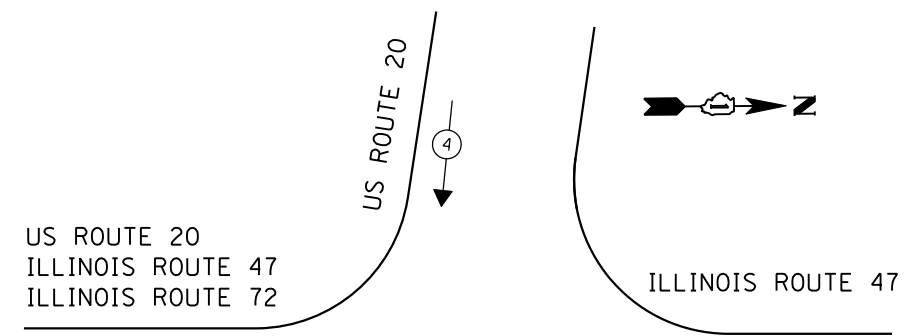
**PHASE DESIGNATION DIAGRAM**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
B	= 4 + 5	
D	= 8 + 1	

**LEGEND**

- ← (circle with star) → DUAL ENTRY PHASE
- ← (square with star) → SINGLE ENTRY PHASE
- ← (diamond with O.L.) → OVERLAP
- ← (circle with star) → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



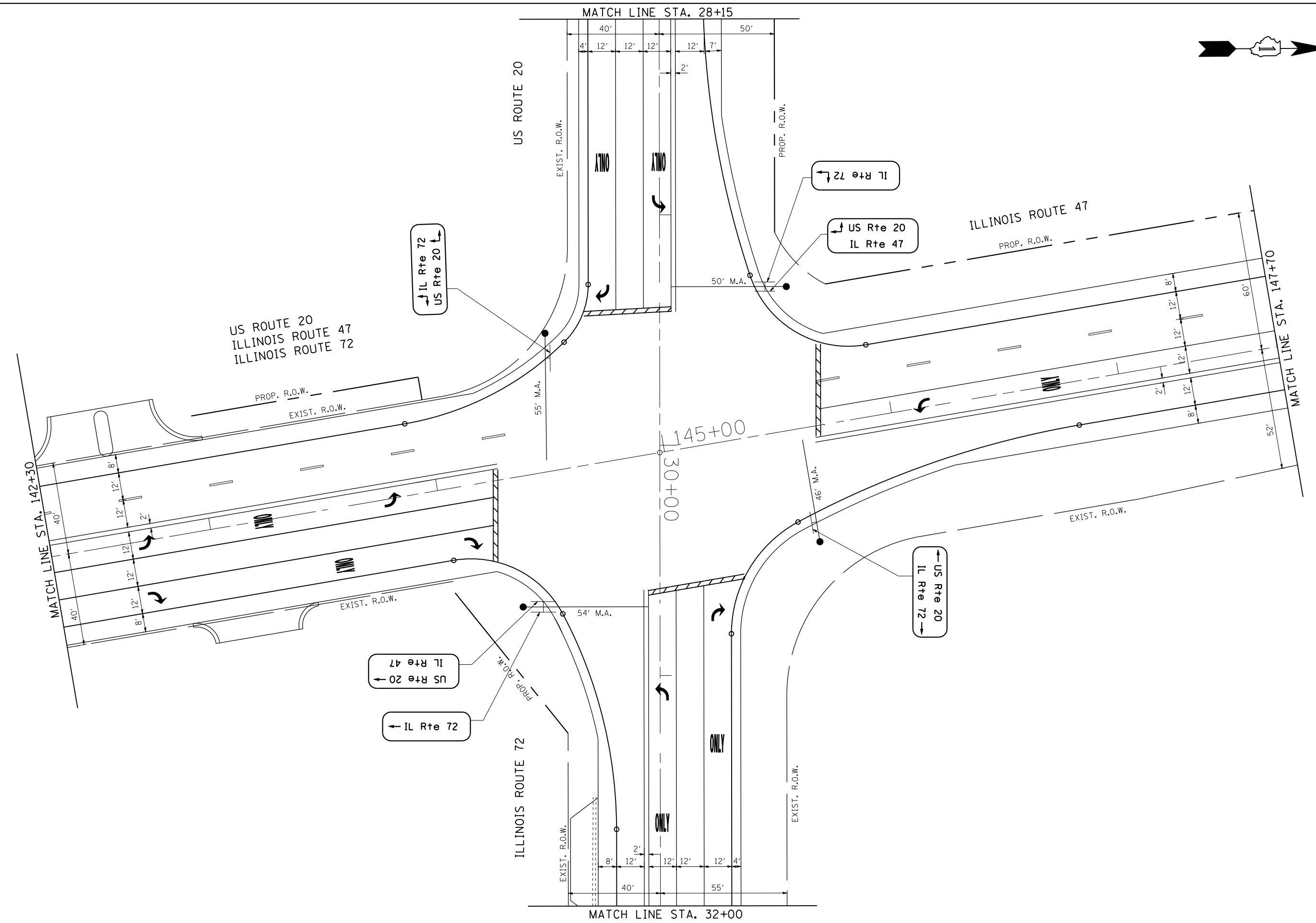
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED - 4/21/2014, EA
kt:\projects\projects 2013\us 20 at il 47	il 72\signals\6010 (north)\21.US 20 at IL	DRAWN72 (North Action).CD.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**

PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72 (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-1	KANE	167	84
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



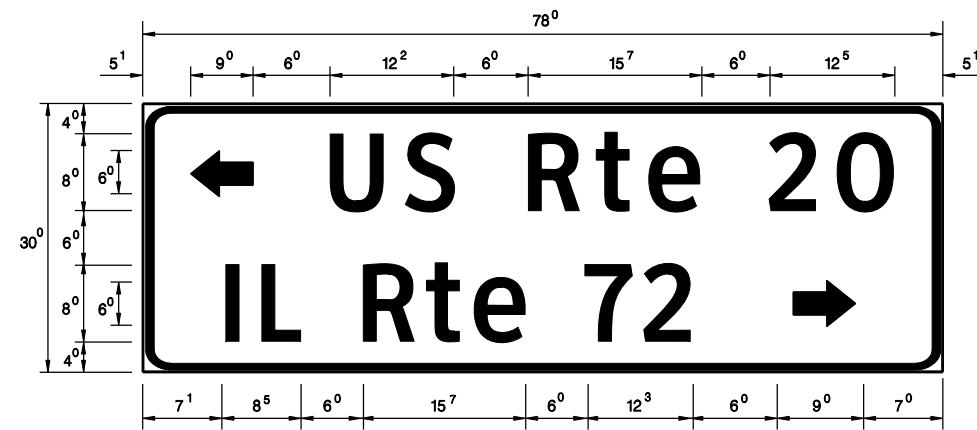
FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED -
k:\projects\projects 2013\us 20 at il 47	il 72\signals\6010 (north)\22.US 20 at IL	DRAWN 72 (North Junction).Int.Sig.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -
	PLOT DATE = 4/21/2014	DATE - 3/15/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

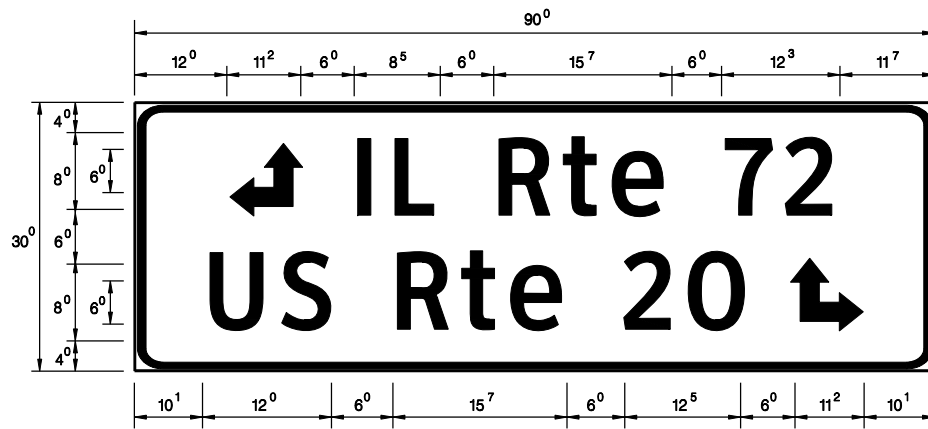
**MAST ARM MOUNTED STREET NAME SIGN LOCATIONS  
ILLINOIS ROUTE 47 AT US ROUTE 20 / ILLINOIS ROUTE 72  
(NORTH JUNCTION)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	85
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



- Sq. M. each  
16.25 Sq. Ft. each  
1 Required  
Design Series D



- Sq. M. each  
18.75 Sq. Ft. each  
1 Required  
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

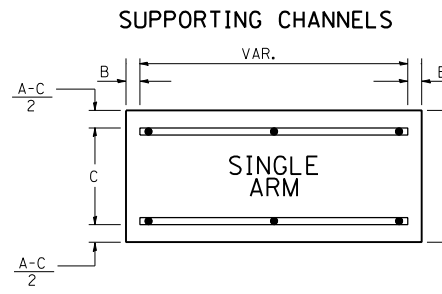
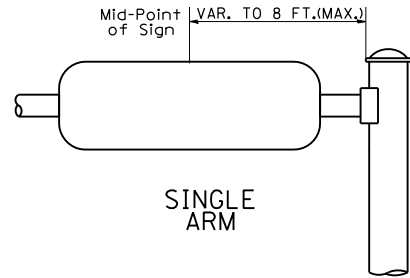
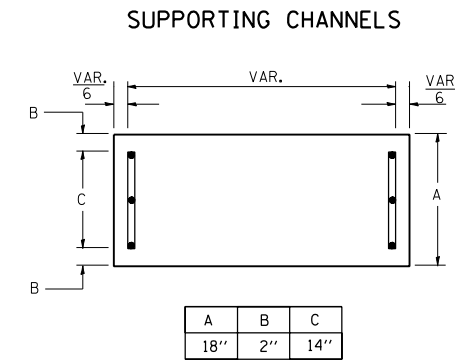
GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

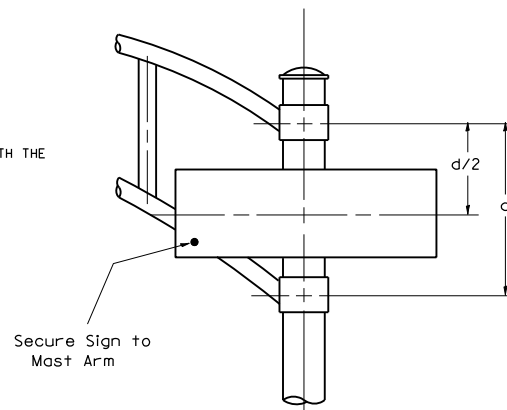
- \* J.O. HERBERT CO. MIDLOTHIAN, VA.
- \* WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:  
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
BRACKETS PART #HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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



A	B	C
18"	2"	14"
30"	2"	22"



DUAL ARM  
SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM  
Shall be used. See Note #5.

Upper Case To Lower Case  
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2<sup>3</sup> DENOTES 3/8"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g	o	q	m	n	p	r	u								
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O O R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case  
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g	o	q	m	n	p	r	u								
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number  
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

UPPER AND LOWER CASE  
LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	36	43

NUMBER TO NUMBER

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

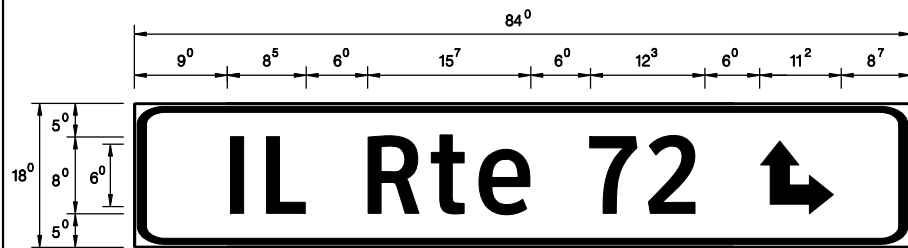
FILE NAME = k:\projects\projects 2013\us 20 at il 47	USER NAME = Esse	DESIGNED - PKG	REVISED -
& il 72\signals\60110 (north)\23.US 20 at IL		CHECKED - PKG	REVISED -
		DATE - 3/15/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

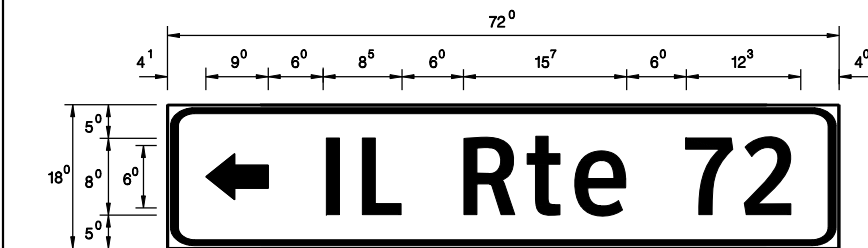
MAST ARM MOUNTED  
STREET NAME SIGNS

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

F.A.P. R.T.E. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 86
CONTRACT NO. 60T10				FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT



- Sq. M. each  
 10.50 Sq. Ft. each  
 1 Required  
 Design Series D



- Sq. M. each  
 9 Sq. Ft. each  
 1 Required  
 Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

\* J.O. HERBERT CO.  
 MIDLOTHIAN, VA.

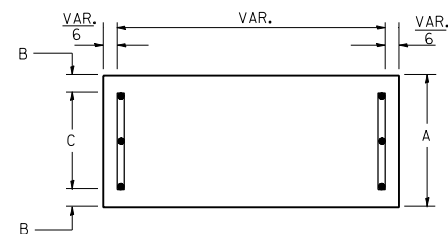
\* WESTERN REMAC INC.  
 WOODRIDGE, IL.

PARTS LISTING:

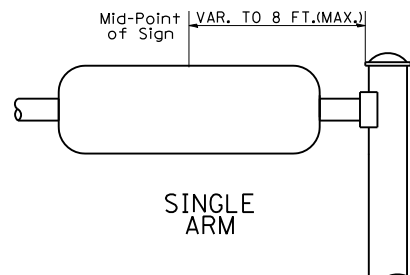
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS PART #HPN034 (UNIVERSAL)
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

SUPPORTING CHANNELS

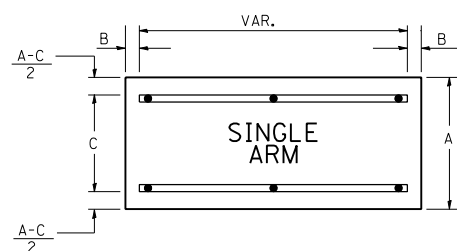


A	B	C
18"	2"	14"

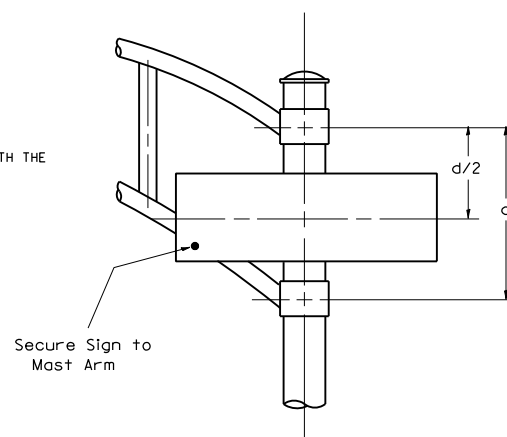


SINGLE ARM

SUPPORTING CHANNELS



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



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM Shall be used. See Note #5.

Upper Case To Lower Case  
 Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2<sup>3</sup> DENOTES 3/8"

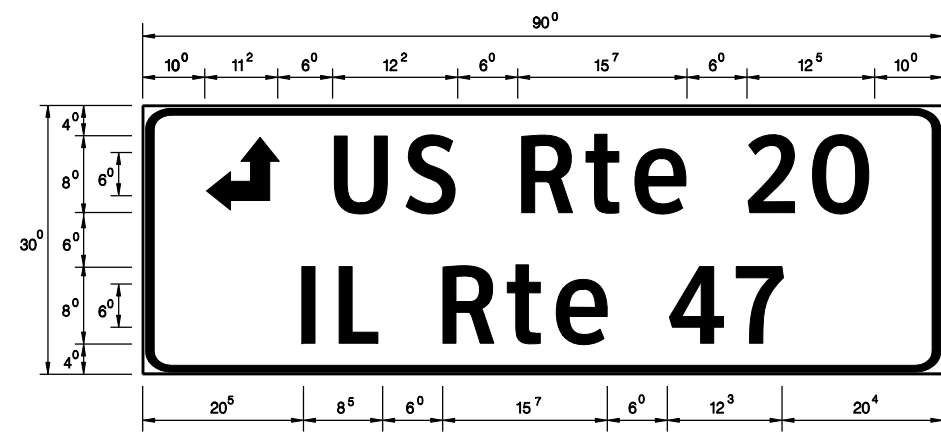
FIRST LETTER	SECOND LETTER																															
	a		c		e		g		i		k		l		m		n		p		r		u		v		w		y		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
A W X	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>		
B	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
C E G	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
D O Q R	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
F	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	
H I M N	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>2</sup>	2 <sup>4</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>		
J U	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>		
K L	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
P	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
S	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
T	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
V	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
Y	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>		
Z	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>		

Lower Case To Lower Case  
 Spacing Chart 6 Inch Series "C & D"

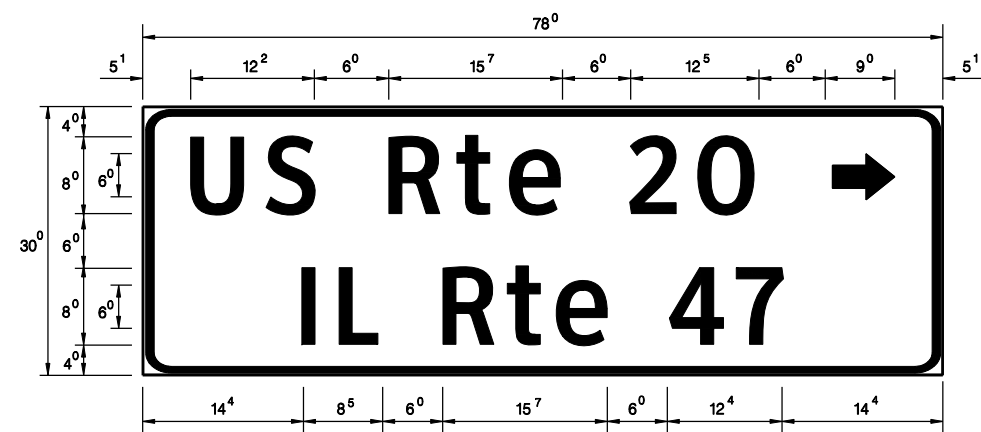
FIRST LETTER	SECOND LETTER																															
	a		c		e		g		i		k		l		m		n		p		r		u		v		w		y		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
ad h g i j	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>		
l m n q u	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>		
b f k o p s	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
c e	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>		
r	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>3</sup>	0 <sup>3</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>		
t z	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
v y	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	
w	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		
x	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>		

Number To Number  
 Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER																													
	0		1		2		3		4		5		6		7		8		9											
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D										
0 9	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
1	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>					



- Sq. M. each  
18.75 Sq. Ft. each  
1 Required  
Design Series D



- Sq. M. each  
16.25 Sq. Ft. each  
1 Required  
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

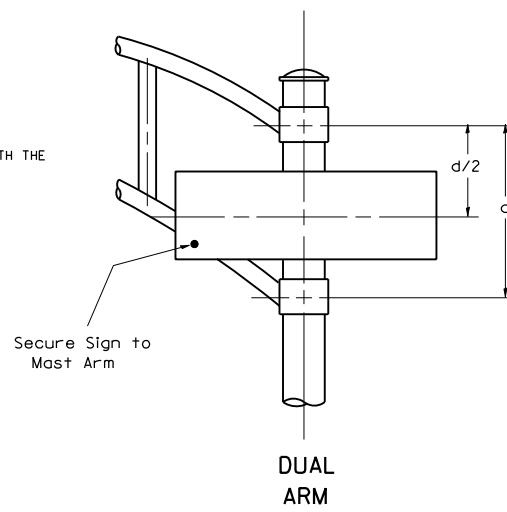
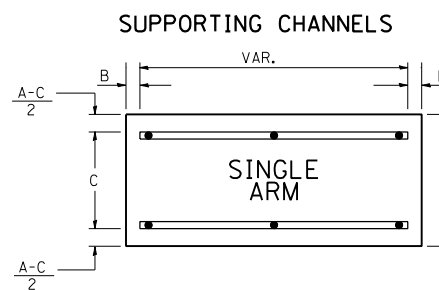
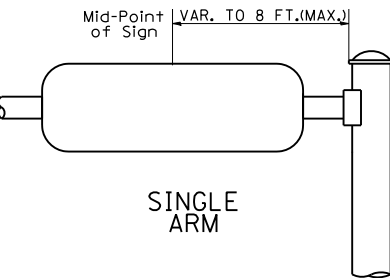
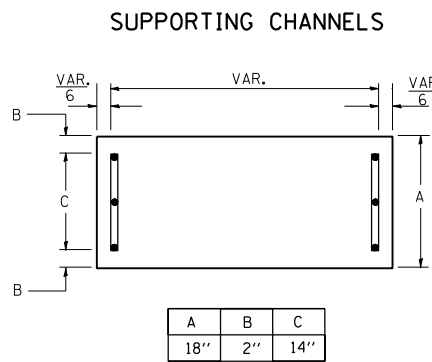
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

\* J.O. HERBERT CO. MIDLOTHIAN, VA. \* WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:

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

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



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM Shall be used. See Note #5.

Upper Case To Lower Case Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2<sup>3</sup> DENOTES 3/8"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x z			
	g o q	m n p r u														
A W X	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
B	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>
C E G	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
D O O R	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
F	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
H I M N	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>2</sup>	2 <sup>4</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
J U	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>
K L	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
P	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
S	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
T	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
V	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
Y	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
Z	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>

Lower Case To Lower Case Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x z			
	g o q	m n p r u														
a d h g i j	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
l m n q u	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
b f k o p s	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
c e	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
r	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>3</sup>	0 <sup>3</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>
t z	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
v y	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>
w	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
x	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>

Number To Number Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
1	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
2 3 4	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>
5	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
6	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
7	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>
8	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>

















LETTERS	UPPER AND LOWER CASE LETTER WIDTHS						
	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		6 INCH LOWER CASE LETTERS		
	SERIES		SERIES		SERIES		
	C	D	C	D	C	D	
A	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>5</sup>	a	3 <sup>5</sup>	4 <sup>2</sup>
B	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	b	3 <sup>5</sup>	4 <sup>2</sup>
C	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	c	3 <sup>5</sup>	4 <sup>1</sup>
D	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	d	3 <sup>5</sup>	4 <sup>2</sup>
E	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	e	3 <sup>5</sup>	4 <sup>2</sup>
F	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	f	2 <sup>3</sup>	2 <sup>6</sup>
G	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	g	3 <sup>5</sup>	4 <sup>2</sup>
H	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	h	3 <sup>5</sup>	4 <sup>2</sup>
I	0 <sup>7</sup>	0 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	i	1 <sup>1</sup>	1 <sup>1</sup>
J	3 <sup>0</sup>	3 <sup>6</sup>	4 <sup>0</sup>	5 <sup>0</sup>	j	2 <sup>0</sup>	2 <sup>2</sup>
K	3 <sup>2</sup>	4 <sup>1</sup>	4 <sup>3</sup>	5 <sup>4</sup>	k	3 <sup>5</sup>	4 <sup>2</sup>
L	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	l	1 <sup>1</sup>	1 <sup>1</sup>
M	3 <sup>7</sup>	4 <sup>5</sup>	5 <sup>1</sup>	6 <sup>1</sup>	m	6 <sup>0</sup>	7 <sup>0</sup>
N	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	n	3 <sup>5</sup>	4 <sup>2</sup>
O	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	o	3 <sup>6</sup>	4 <sup>3</sup>
P	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	p	3 <sup>5</sup>	4 <sup>2</sup>
Q	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	q	3 <sup>5</sup>	4 <sup>2</sup>
R	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	r	2 <sup>6</sup>	3 <sup>2</sup>
S	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	s	3 <sup>6</sup>	4 <sup>2</sup>
T	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	t	2 <sup>7</sup>	3 <sup>2</sup>
U	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	u	3 <sup>5</sup>	4 <sup>2</sup>
V	3 <sup>5</sup>	4 <sup>4</sup>	4 <sup>7</sup>	6 <sup>0</sup>	v	4 <sup>2</sup>	4 <sup>7</sup>
W	4 <sup>4</sup>	5 <sup>2</sup>	6 <sup>0</sup>	7 <sup>0</sup>	w	5 <sup>5</sup>	6 <sup>4</sup>
X	3 <sup>4</sup>	4 <sup>0</sup>	4 <sup>5</sup>	5 <sup>3</sup>	x	4 <sup>4</sup>	5 <sup>1</sup>
Y	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>6</sup>	y	4 <sup>6</sup>	5 <sup>3</sup>
Z	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	z	3 <sup>6</sup>	4 <sup>3</sup>

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>
2	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
3	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
4	3 <sup>5</sup>	4 <sup>3</sup>	4 <sup>7</sup>	5 <sup>7</sup>
5	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
6	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
7	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
8	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
9	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
0	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>

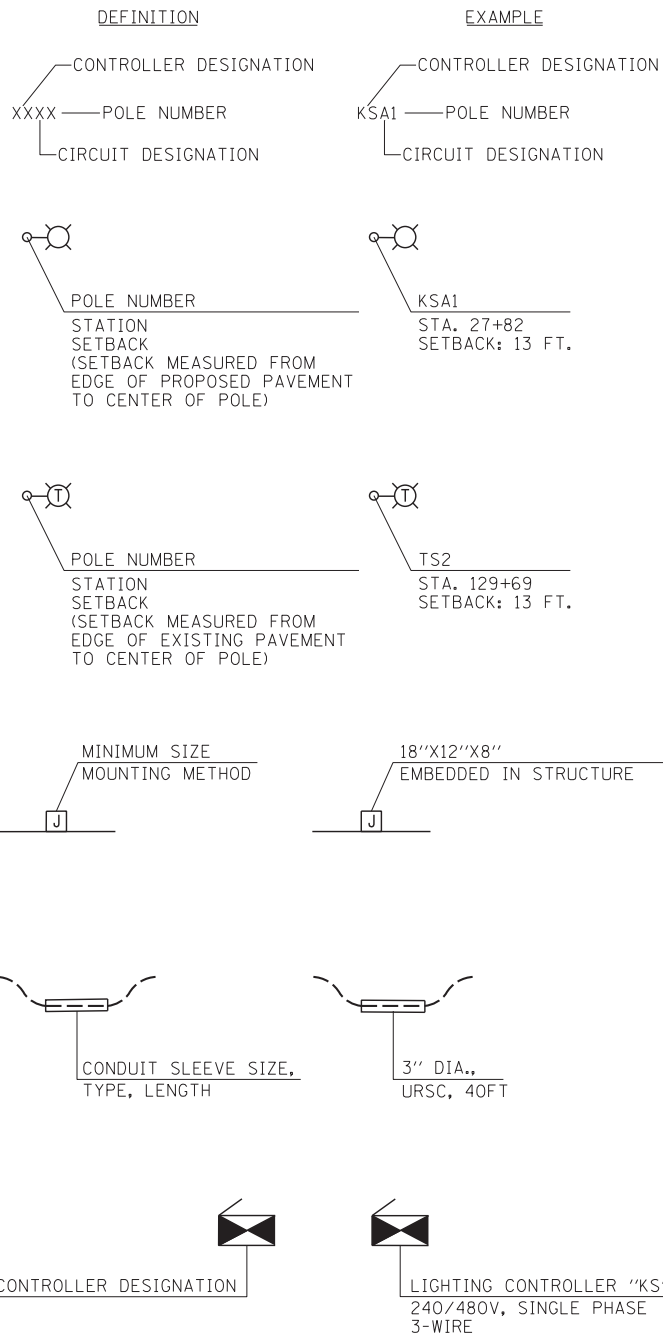
FILE NAME =	USER NAME = Esse	DESIGNED - PKG	REVISED -
kt:\projects\projects 2013\us 20 at il 47	& il 72\signals\60110 (north)\25.US 20 at IL	4 DRAWN 72.(North Erection).Sign.3.dgn	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED - PKG	REVISED -



**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 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
-  EXISTING JUNCTION BOX  
ATTACHED TO STRUCTURE  
TO BE REMOVED
-  EXISTING HANDHOLE  
TO BE REMOVED
-  EXISTING CONDUIT  
ATTACHED TO STRUCTURE  
TO BE REMOVED
-  TEMPORARY WOOD POLE  
40 FT.

**CALL-OUT SAMPLES**



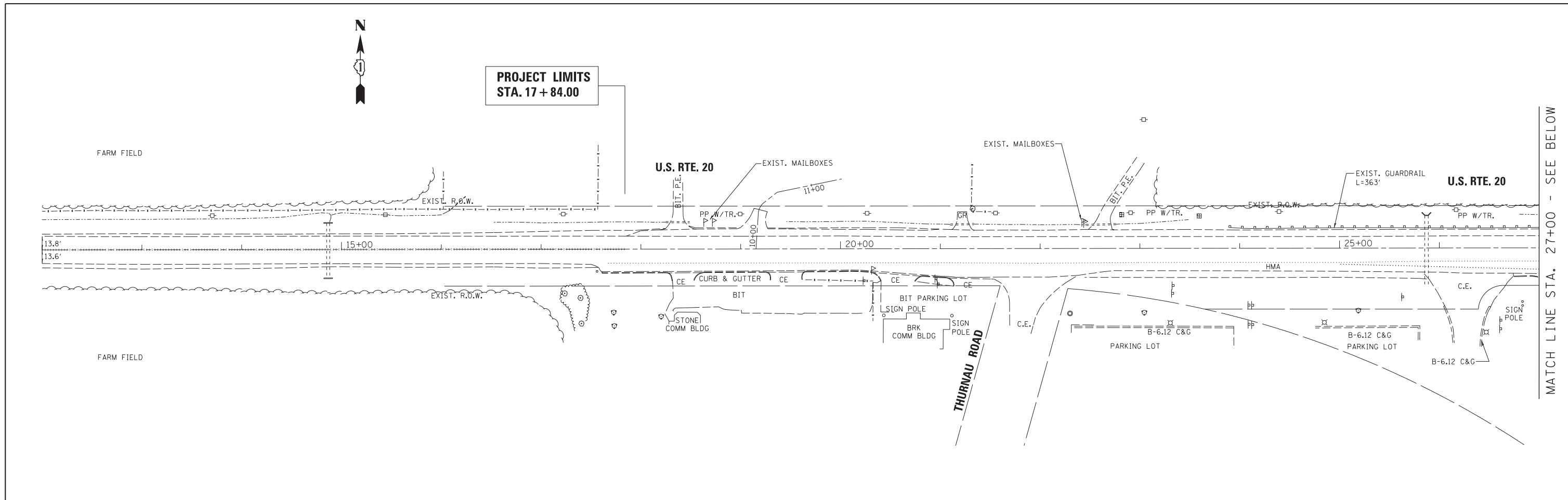
**ABBREVIATIONS**

- 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

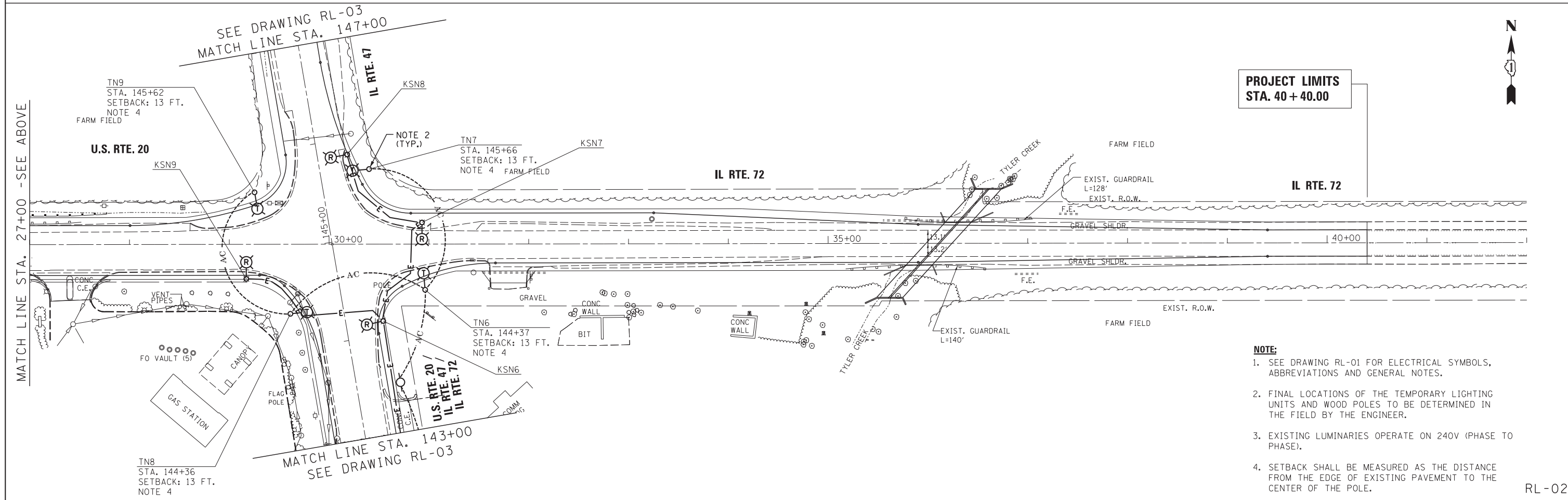
**GENERAL NOTES**

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	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILES*		DRAWN - HA	REVISED -		<b>U.S. RTE 20 (NORTH JUNCTION)</b>				345	106-S-N-1	KANE	167	89
*MODELNAME*	PLOT SCALE = *SCALE*	CHECKED - WDS	REVISED -		SCALE: N.T.S.      SHEET 1 OF 1 SHEETS      STA.      TO STA.				CONTRACT NO. 60T10				
	PLOT DATE = *DATE*	DATE - 3/28/2014	REVISED -		ILLINOIS FED. AID PROJECT								



MATCH LINE STA. 27+00 - SEE BELOW



**PROJECT LIMITS**  
STA. 40+40.00

- 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.

RL-02

FILE NAME =	USER NAME = \$USER\$	DESIGNED - WDS	REVISED - 4/25/2014 WDS
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\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE - 3/28/2014	REVISED -

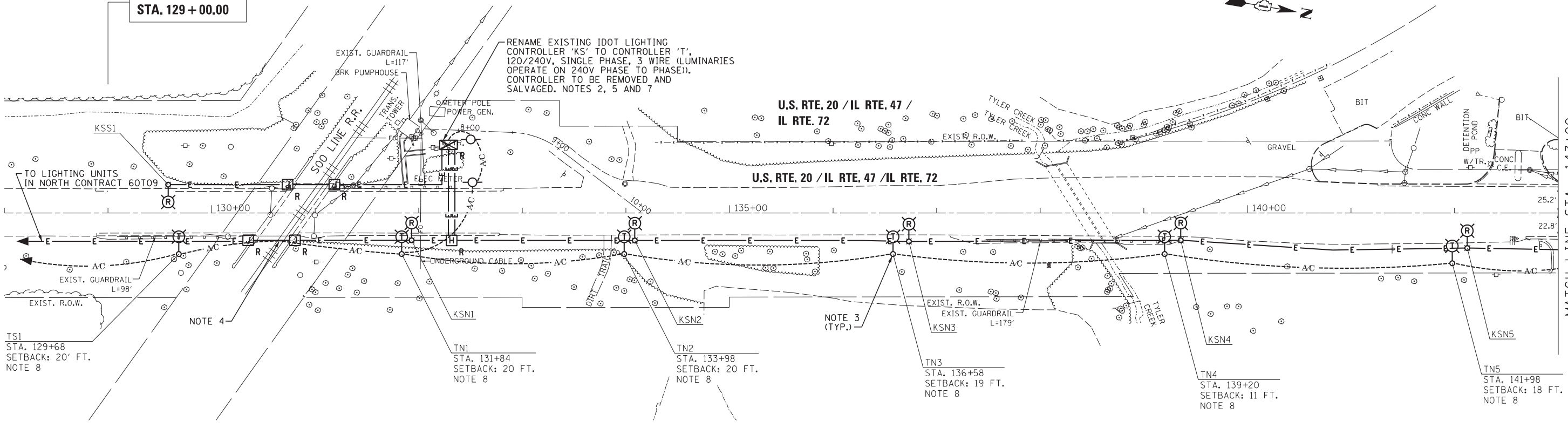
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING/TEMPORARY LIGHTING AND DEMOLITION PLAN  
U.S. RTE 20 (NORTH 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-1	KANE	167	90
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				

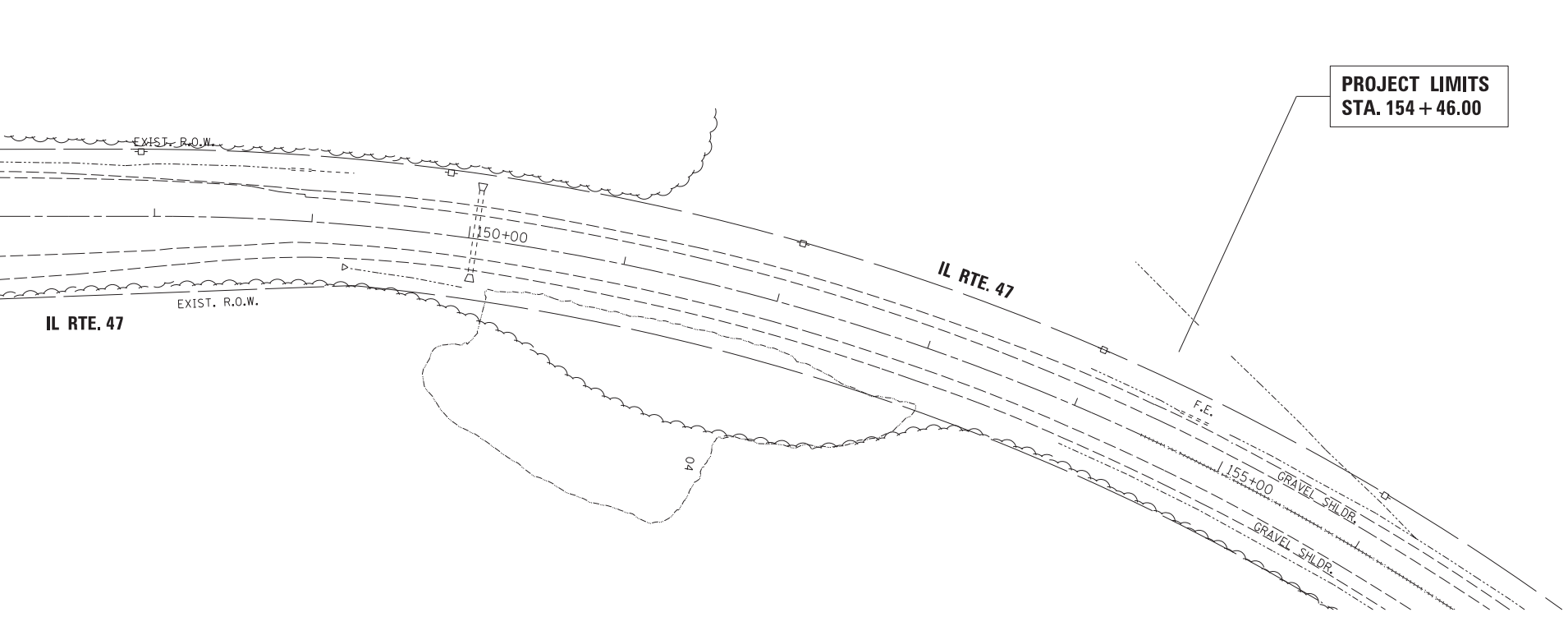
**PROJECT LIMITS  
STA. 129+00.00**



MATCH LINE STA. 143+00  
SEE DRAWING RL-02

SEE DRAWING RL-02  
MATCH LINE STA. 147+00

**PROJECT LIMITS  
STA. 154+46.00**



- NOTE:**
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
  - THE EXISTING IDOT LIGHTING CONTROLLER TO BE REMOVED IS LOCATED INSIDE THE FENCE AREA FOR THE PUMP STATION. THE CONTROLLER SHALL BE REMOVED AND SALVAGED TO IDOT. THE CONTROLLER FOUNDATION SHALL BE REMOVED AND DISPOSED OF PROPERLY.
  - FINAL LOCATIONS OF THE TEMPORARY LIGHTING UNITS AND WOOD POLES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
  - TEMPORARILY ATTACH THE AERIAL CABLE TO THE FACE OF THE BRIDGE ABUTMENT A MINIMUM OF 15 FEET ABOVE PAVEMENT.
  - PROVIDE A TEMPORARY POWER CONNECTION FROM THE EXISTING LIGHTING CONTROLLER TO THE TEMPORARY LIGHTING UNITS.
  - EXISTING LUMINARIES OPERATE ON 240V (PHASE TO PHASE).
  - CHANGE CONTROLLER LABEL FROM "KS" TO "T". CHANGE OF LABEL WILL BE INCIDENTAL TO CONTRACT.
  - SETBACK SHALL BE MEASURED AS THE DISTANCE FROM THE EDGE OF EXISTING PAVEMENT TO THE CENTER OF THE POLE.

RL-03

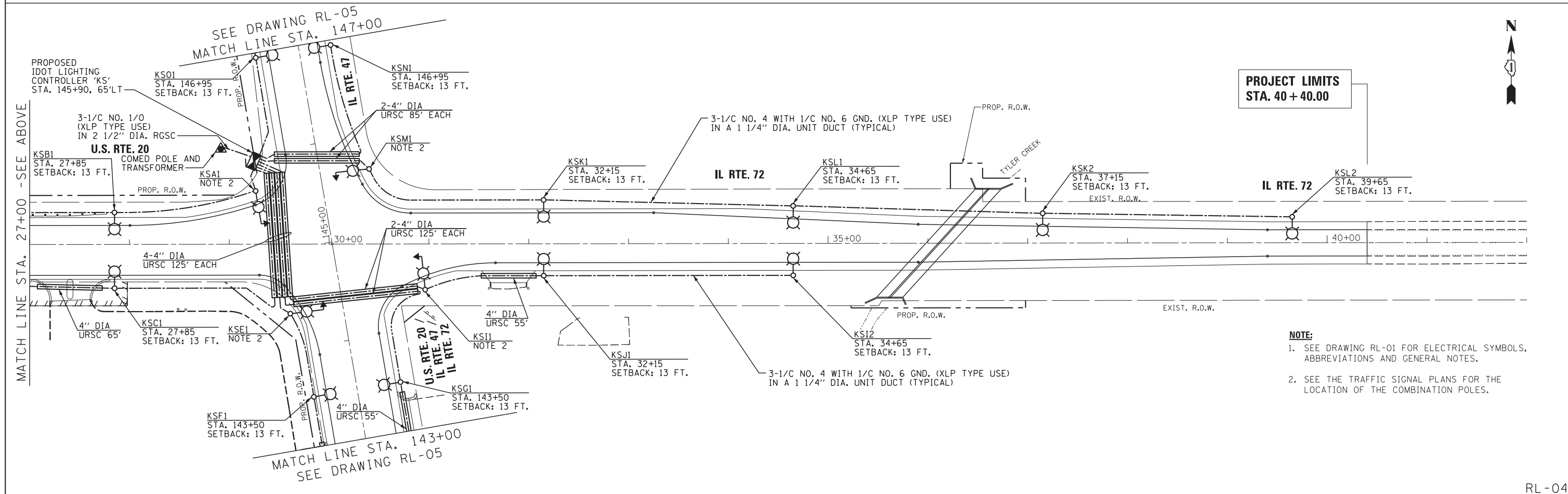
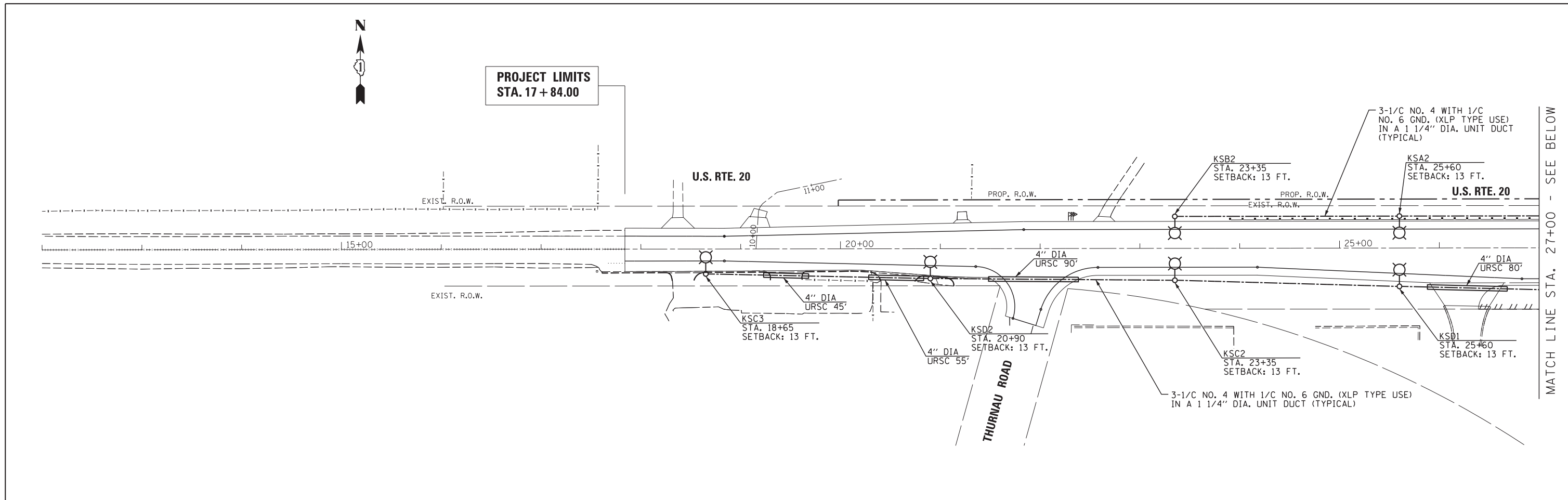
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*MODELNAME*	PLOT DATE = \$DATE\$	DATE - 3/28/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING/TEMPORARY LIGHTING AND DEMOLITION PLAN  
U.S. RTE 20 (NORTH JUNCTION)**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. TO STA.

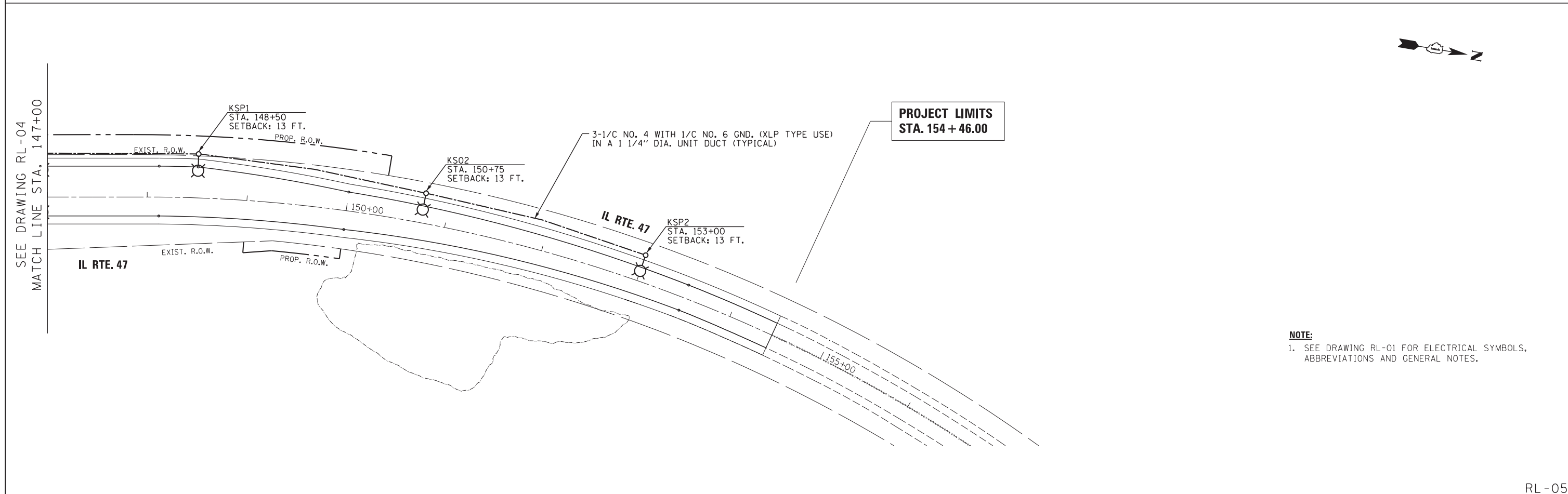
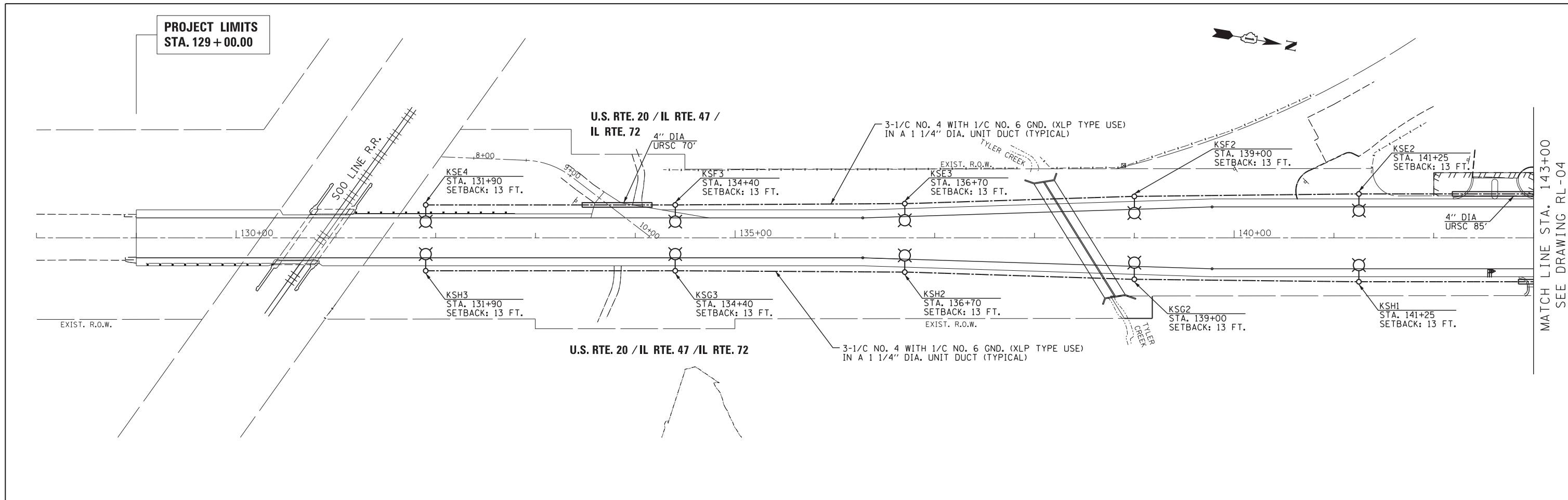
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	91
CONTRACT NO. 60T10				
ILLINOIS FED. AID PROJECT				



- 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 =	USER NAME = \$USER\$	DESIGNED - WDS	REVISED - 4/25/2014 WDS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN U.S. RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
\$FILES\$		DRAWN - HA	REVISED -		SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA.	TO STA.	345	106-S-N-1	KANE	167	92
\$MODELNAME\$	PLOT SCALE = \$SCALE\$	CHECKED - JPC	REVISED -								CONTRACT NO. 60T10			
	PLOT DATE = \$DATE\$	DATE - 3/28/2014	REVISED -								ILLINOIS FED. AID PROJECT			







RL-04

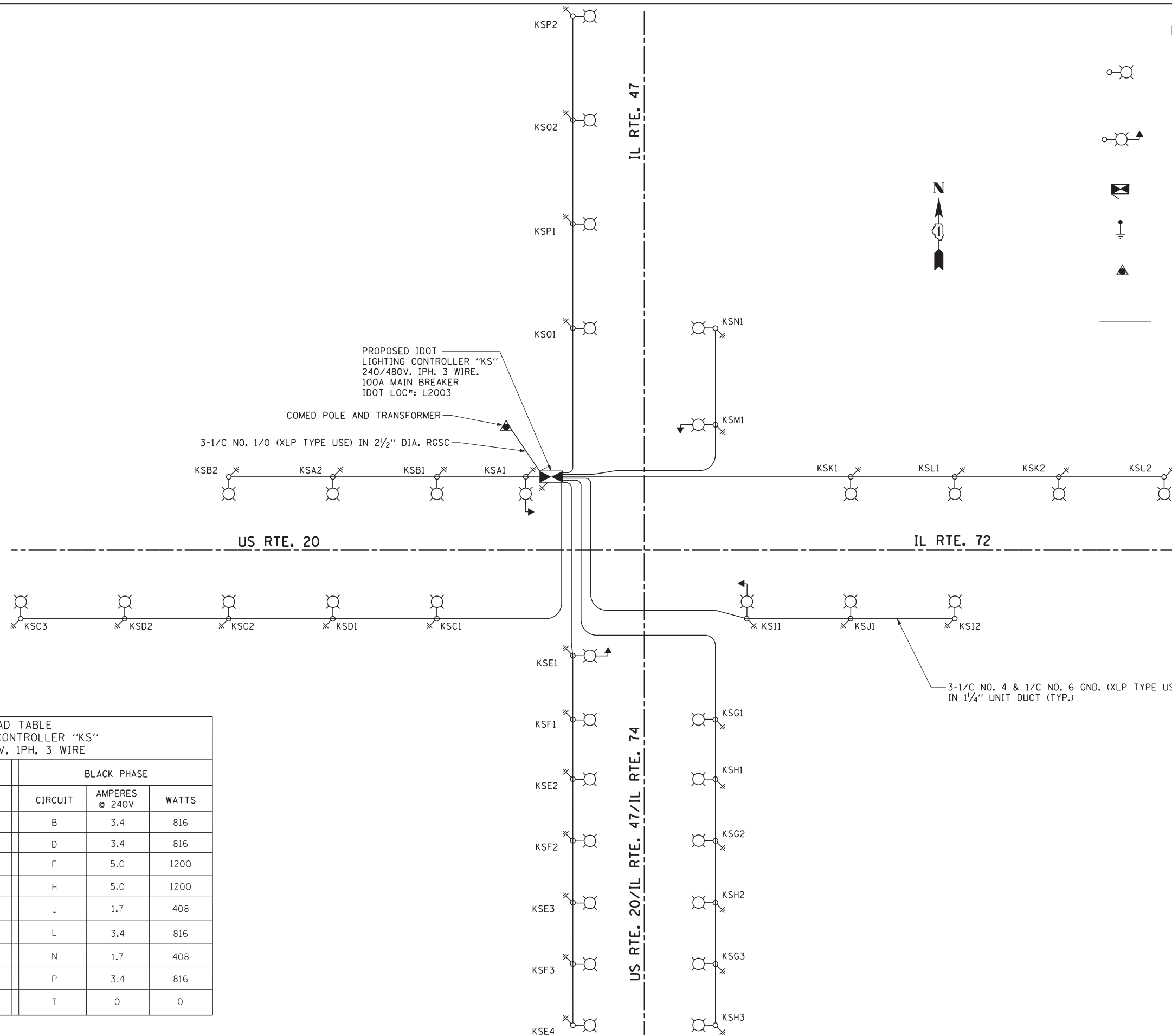


**NOTE:**  
 1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - WDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN U.S. RTE 20 (NORTH JUNCTION)</b>			F.A.P. RTE. 345	SECTION 106-S-N-1	COUNTY KANE	TOTAL SHEETS 167	SHEET NO. 93	
#MODELNAME#	PLOT SCALE = #SCALE#	CHECKED - JPC	REVISED -		SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 60T10			
	PLOT DATE = #DATE#	DATE - 3/28/2014	REVISED -		ILLINOIS FED. AID PROJECT								
					RL-05								

**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 "KS" 240/480V, 1PH, 3 WIRE					
RED PHASE			BLACK PHASE		
CIRCUIT	AMPERES @ 240V	WATTS	CIRCUIT	AMPERES @ 240V	WATTS
A	3.4	816	B	3.4	816
C	5.0	1200	D	3.4	816
E	6.7	1608	F	5.0	1200
G	5.0	1200	H	5.0	1200
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=14,160 WATTS

Bench Mark: BM #6 Set at Sta. 28+97.8, Elev 922.00. Square cut on light pole foundation ±35' north of the north gas pump of "BP" gas station at the southwest corner of U.S. route 20 and IL Route 72.

Existing Structure: SN 045-2028 was built in 1935 as part of S.B.I. Illinois Route 72, Section 109-NRS. A low flow profile was cut into the West barrel. The structure is a 2-cell cast-in-place concrete box culvert approximately 26.9 feet in width and 43 feet in length. The structure is skewed 42 degrees 15 minutes from the roadway centerline and carries two 13-foot traffic lanes (one Eastbound and Westbound) and two variable width shoulders. Traffic to be maintained utilizing stage construction. Structure to be removed and replaced with a double-cell cast-in-place concrete box culvert.

No Salvage.

Precast alternate not allowed.

**TOTAL BILL OF MATERIAL**

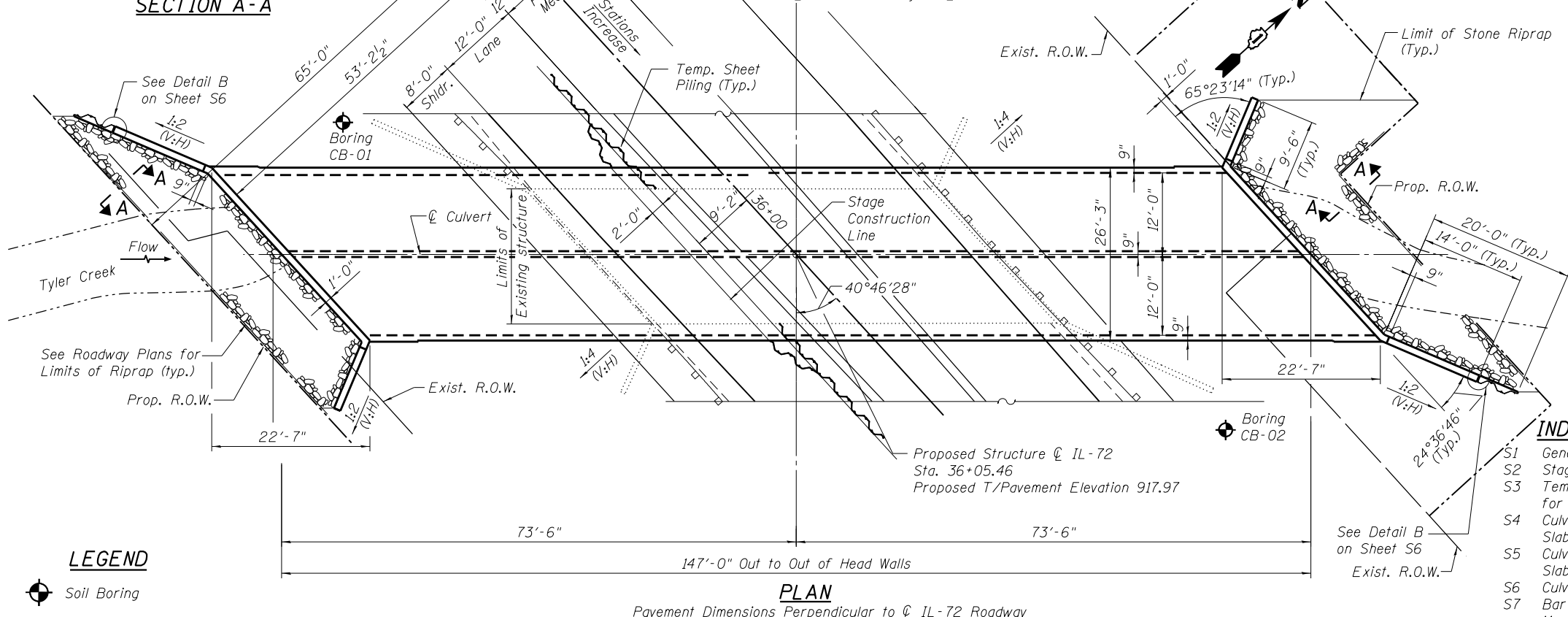
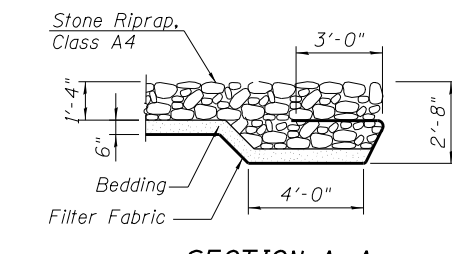
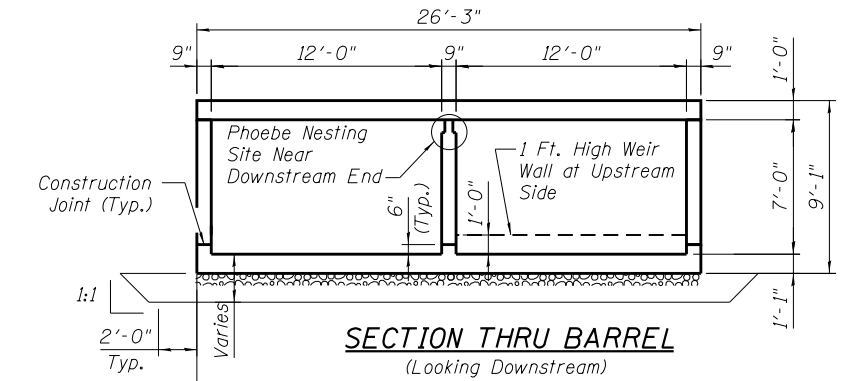
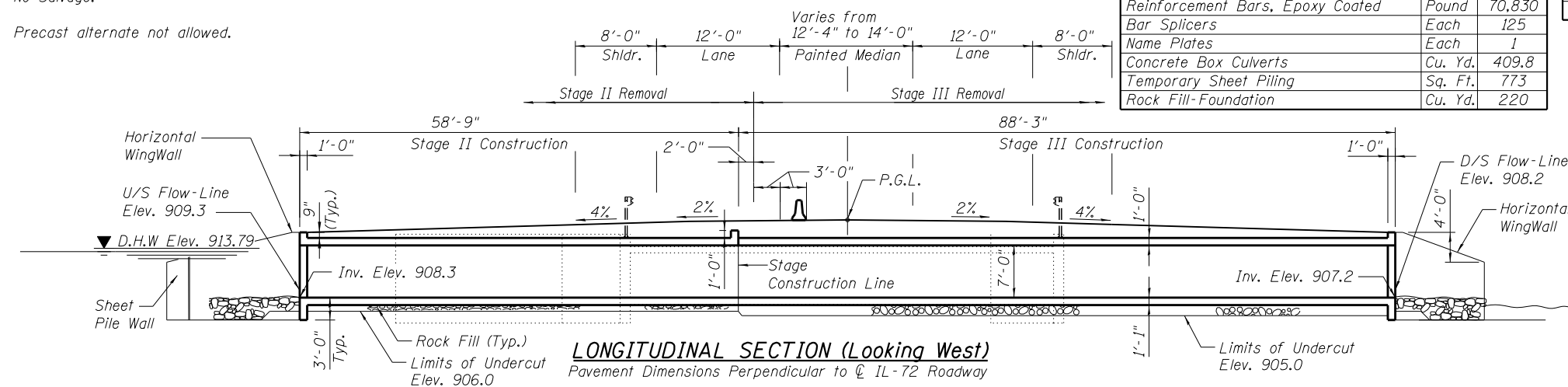
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	119
Filter Fabric	Sq. Yd.	194
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	357
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	201
Protective Coat	Sq. Yd.	8
Reinforcement Bars, Epoxy Coated	Pound	70,830
Bar Splicers	Each	125
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	409.8
Temporary Sheet Piling	Sq. Ft.	773
Rock Fill-Foundation	Cu. Yd.	220

**WATERWAY INFORMATION**

Flood		Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.		Head - Ft.		Headwater El.	
				Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design		10	127	58.14	65.50	912.56	0	0	0	912.56	912.56
Base		100	245	80.28	95.00	913.79	0	0	0	913.79	913.79
Overtopping		N/A	335	90.72	109.2	914.38	0	0	0	914.38	914.38
Max. Calc.		500	498	98.10	118.56	914.77	0.44	0.49	0.44	915.21	915.26

Existing Low Grade Elev. = 917.78 ft. @ Sta. 37+37  
Proposed Low Grade Elev. = 917.78 ft. @ Sta. 37.78

Drainage Area = 0.95 Sq. Mi.



STATION 36+05.46  
BUILT 20... BY  
STATE OF ILLINOIS  
LOADING HL-93  
STRUCTURE NO. 045-2041

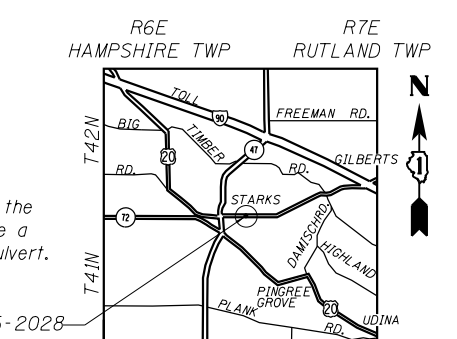
**NAME PLATE**  
See Std. 515001

**HIGHWAY CLASSIFICATION**  
F.A.P. Route 345, Illinois Route 72  
Function Class: Other Principal Arterial  
ADT: 8,800 (2011); 11,450 (2040)  
ADTT: 500 (2011); 690 (2040) 6%  
DHW: 880 (2011)  
Design Speed: 60 mph  
Posted Speed 55 mph  
Two-Way Traffic  
Directional Distribution: 45 WB; 55 EB

**LOADING HL-93**  
Allow 50#/Sq ft. Future Wearing Surface

**DESIGN SPECIFICATIONS**  
2012 AASHTO LRFD Bridge Design  
Specifications, 6th Edition With 2013 Interims

**DESIGN STRESSES**  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)



**PROFILE GRADE**  
(IL Rte. 72 Along Q Roadway)

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

**INDEX OF SHEETS**

- S1 General Plan and Elevation
- S2 Stage Construction
- S3 Temporary Concrete Barrier for Stage Construction
- S4 Culvert Plan, Top Slab, Bottom Slab and Sections
- S5 Culvert Plan, Top Slab, Bottom Slab, Elevations and Details
- S6 Culvert Sections and Details
- S7 Bar Splicer Assembly and Mechanical Splicer Details
- S8 Soil Boring Logs I
- S9 Soil Boring Logs II

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 045-2041**  
SHEET NO. S1 OF S9 SHEETS

**LOCATION SKETCH**

**GENERAL PLAN**

**ILLINOIS ROUTE 72 OVER TYLER CREEK**  
**F.A.P. ROUTE 345 - SECTION 106-S-N-1**

**KANE COUNTY**  
**STATION 36+05.46**  
**STRUCTURE NO. 045-2041**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	95

CONTRACT NO. 60T10  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

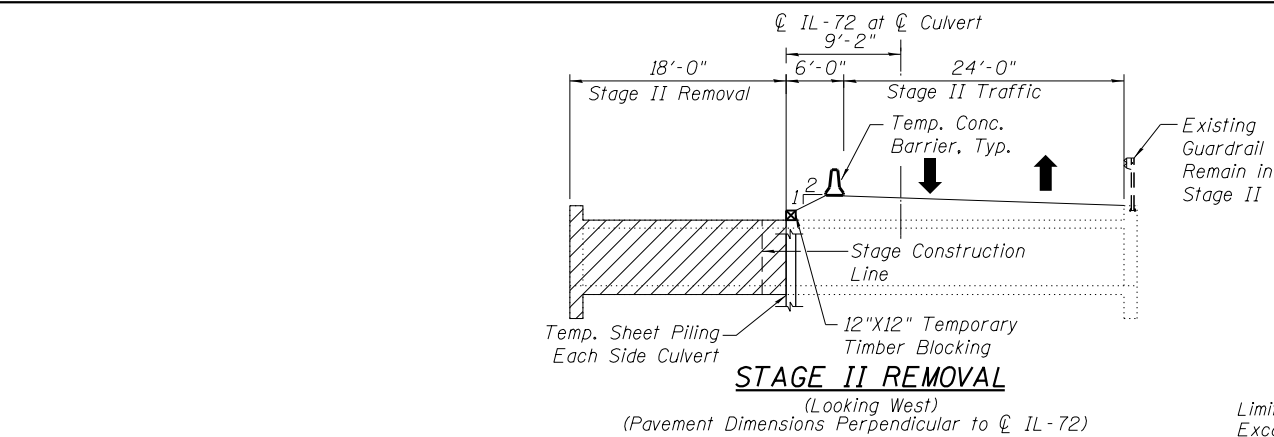
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FILE NAME = \$FILEL\$

USER NAME =	DESIGNED -	REVISIONS
	MBC	
PLOT SCALE =	SSR	
PLOT DATE =	GFP	
FILE NAME =	DATE	5/12/14

**DBS** DB STERLIN CONSULTANTS, INC.  
1212 N. WASHINGTON DRIVE SUITE 2000  
CHICAGO, ILLINOIS 60606  
TEL: (312)857-1008 FAX: (312)857-1006

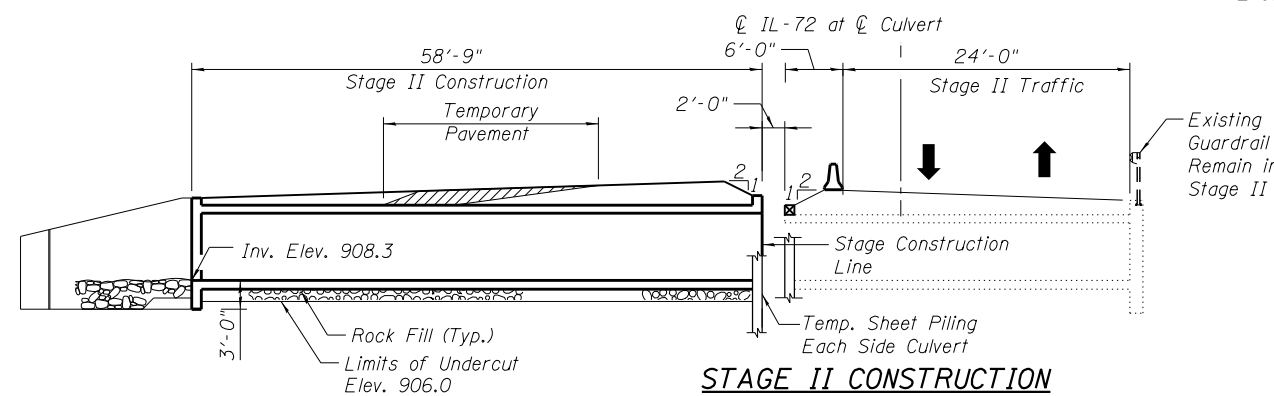
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 045-2041**  
SHEET NO. S1 OF S9 SHEETS



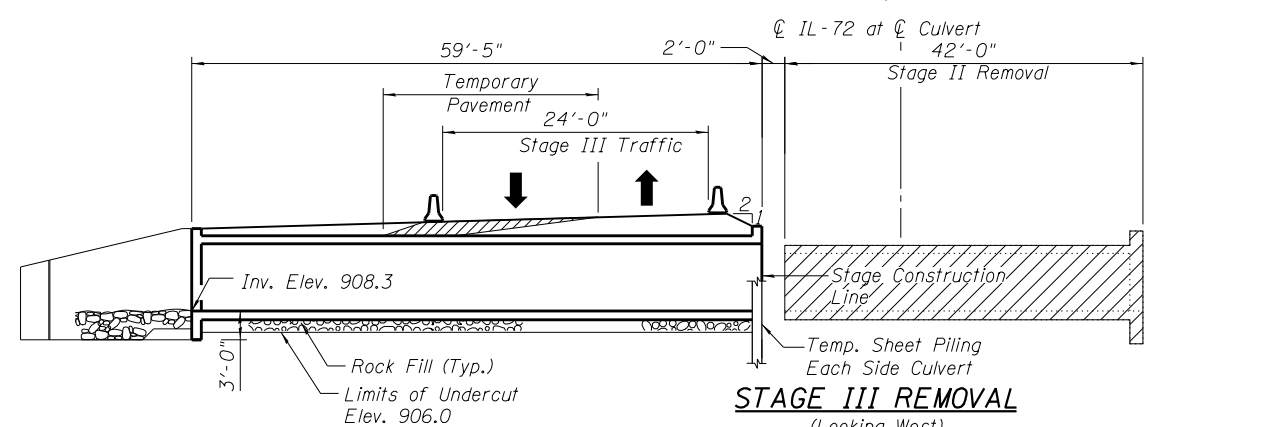
**STAGE II REMOVAL**

(Looking West)  
(Pavement Dimensions Perpendicular to CL IL-72)



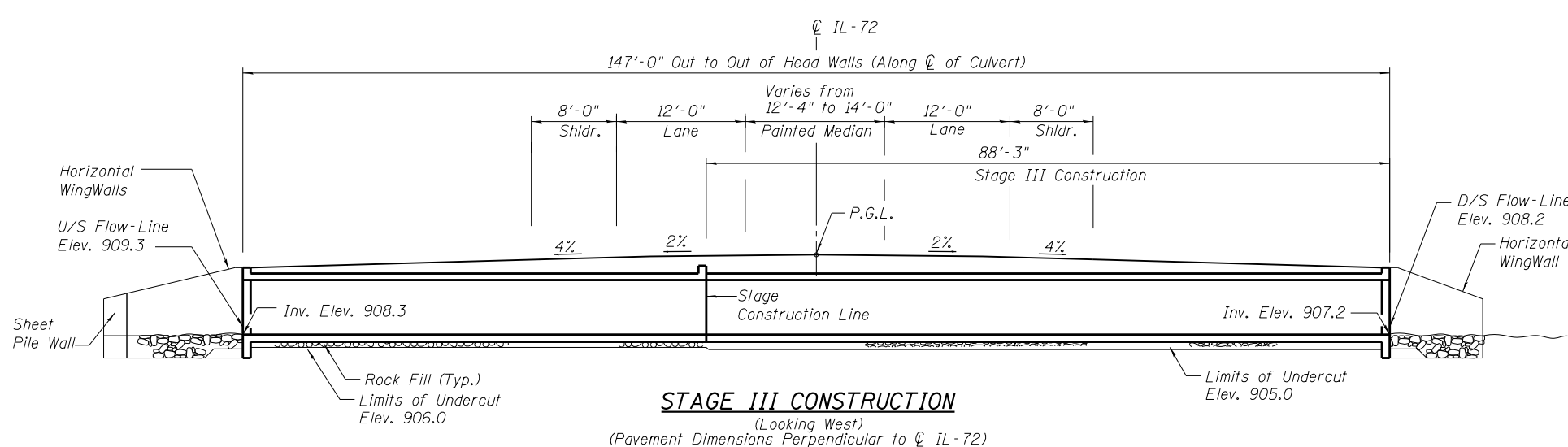
**STAGE II CONSTRUCTION**

(Looking West)  
(Pavement Dimensions Perpendicular to CL IL-72)



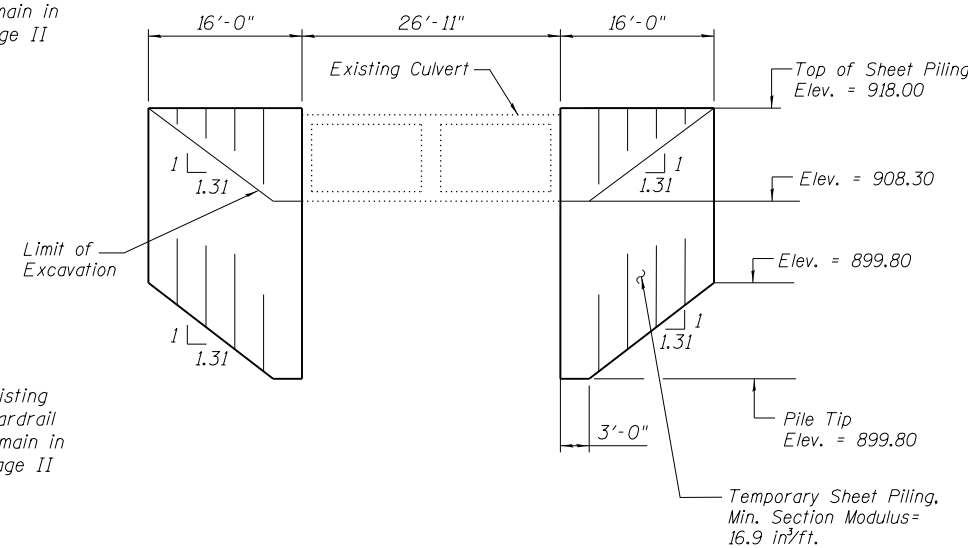
**STAGE III REMOVAL**

(Looking West)  
(Pavement Dimensions Perpendicular to CL IL-72)



**STAGE III CONSTRUCTION**

(Looking West)  
(Pavement Dimensions Perpendicular to CL IL-72)



**ELEVATION - TEMPORARY SHEET PILING**

**GENERAL NOTES**

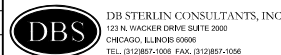
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective Coat shall be applied to the top and exposed inside vertical faces of parapets.
3. A distance of half the length of the wingwall but not less than six (6) feet of the barrel shall be poured monolithically with the wingwalls.
4. Precast culvert will not be allowed.
5. All exposed concrete edges shall be chamfered 3/4" except as noted.
6. The limits and quantities of removal of the existing soil and replacement with the rockfill 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.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
8. Bars noted as 3x2 - #5 indicates 3 lines of bars with two lengths of bars per line.
9. 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.
10. Hatched areas indicate "Removal of Existing Structures."
11. Reinforcement bars shall conform to the requirements of AASHTO M322 Grade 60.
12. 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.
13. 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 Concrete Box Culverts.

**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 - SSR	REVISED -
PLOT DATE =	CHECKED - GFP	REVISED -
FILE NAME =	DATE - 5/12/14	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

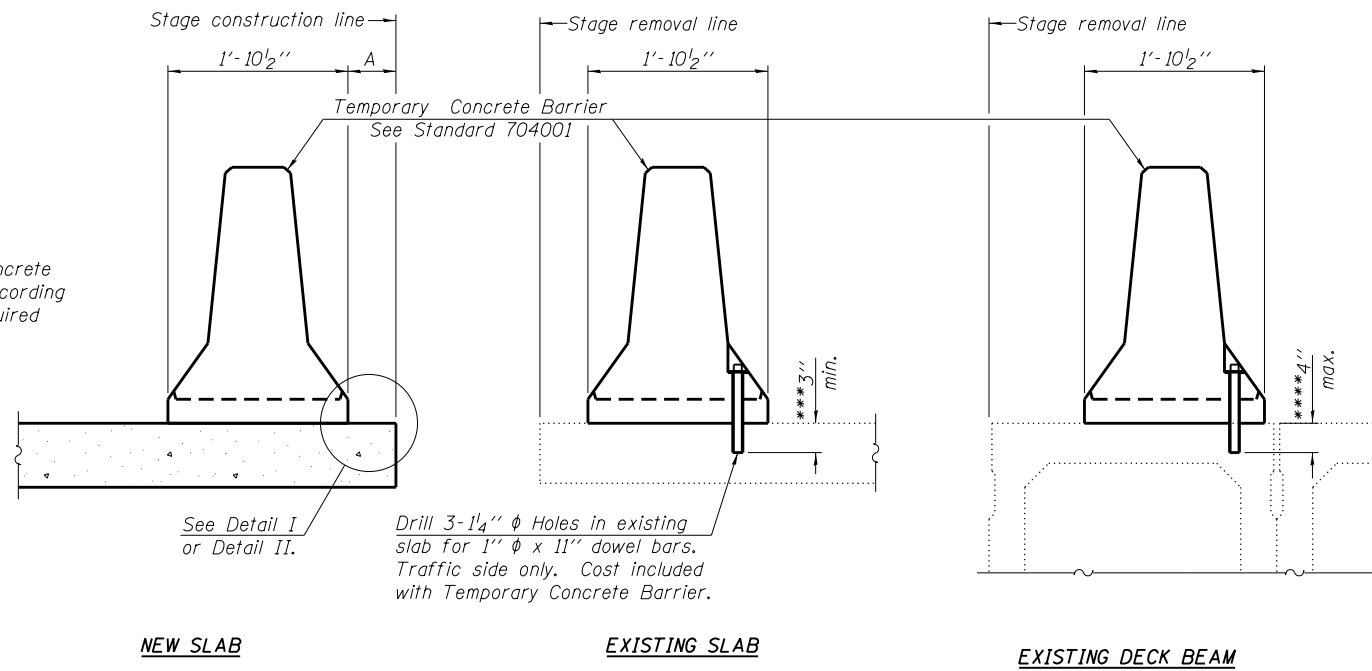
STAGE CONSTRUCTION  
STRUCTURE NO. 045-2041

SHEET NO. S2 OF S9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	96
CONTRACT NO. 60T10				
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**

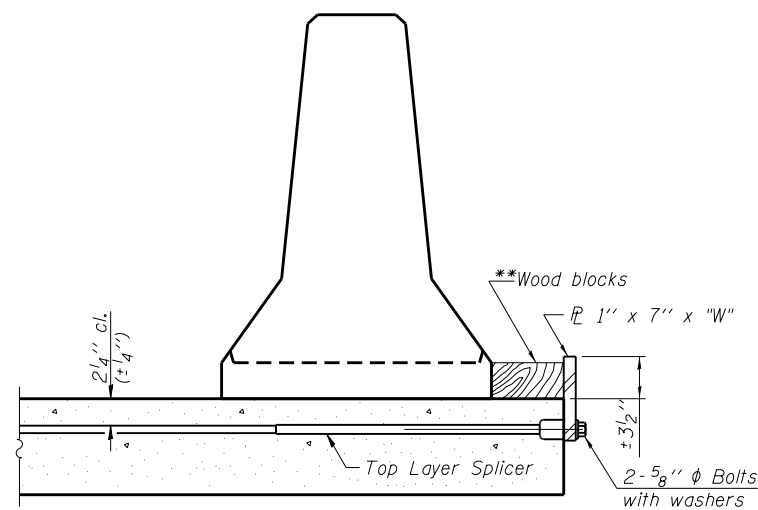
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

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.

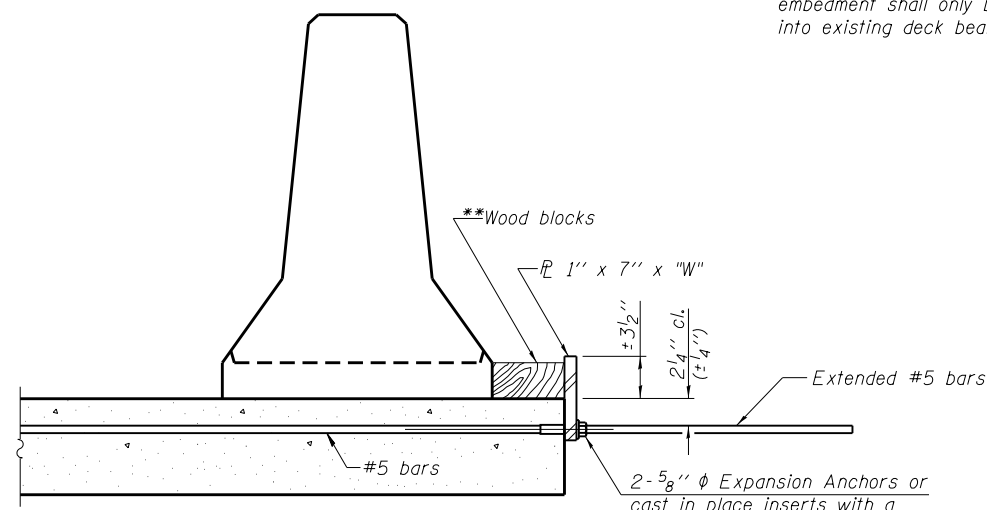
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* 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.

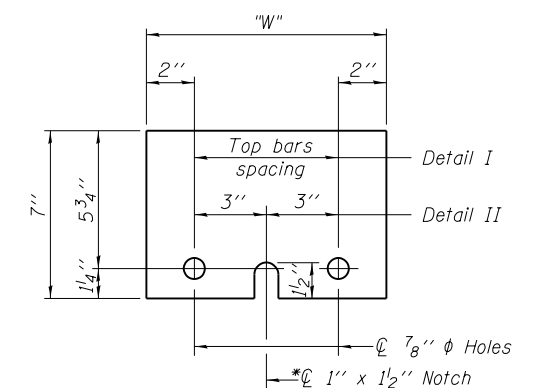
\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



**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.

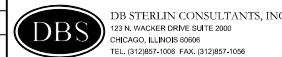
"W" = Top bars spacing + 4"

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

R-27

7-1-10

USER NAME =	DESIGNED - MBC	REVISED -
PLOT SCALE =	DRAWN - SSR	REVISED -
PLOT DATE =	CHECKED - GFP	REVISED -
FILE NAME =	DATE - 5/12/14	REVISED -

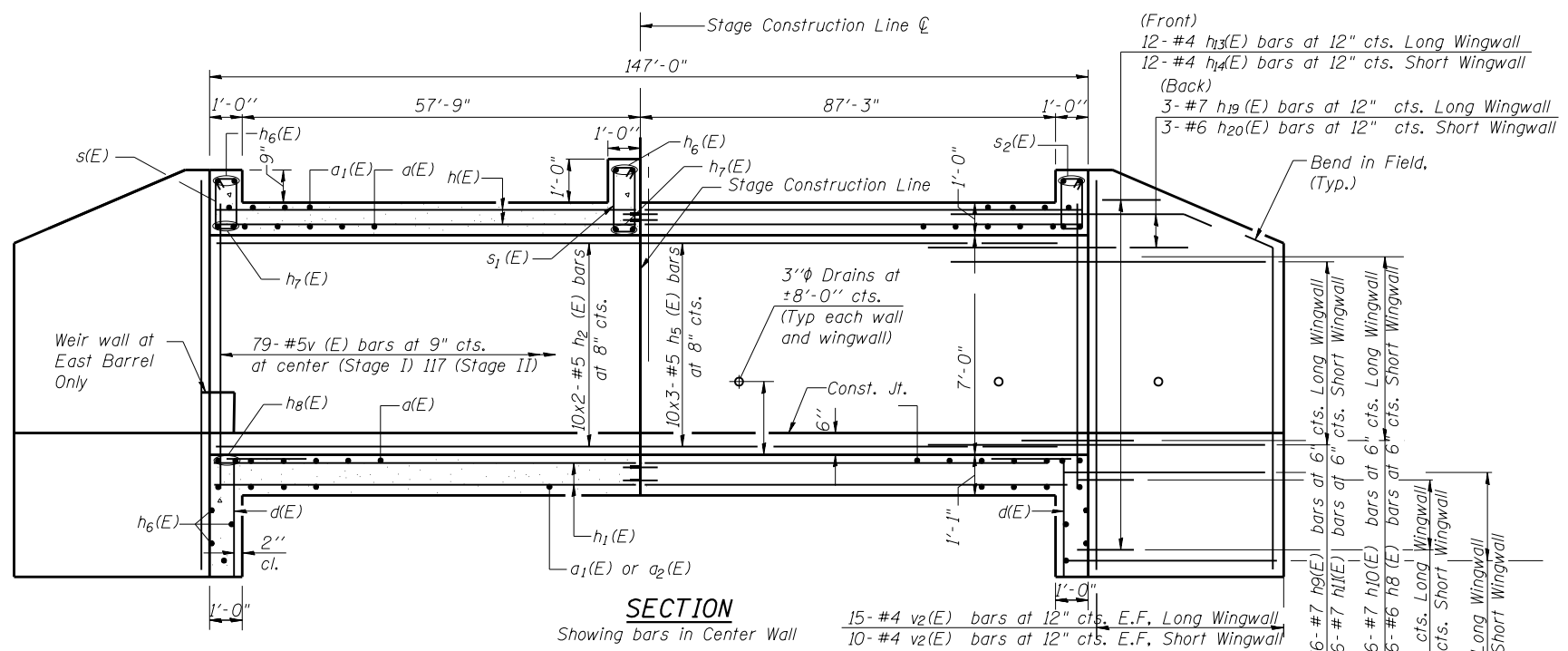


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

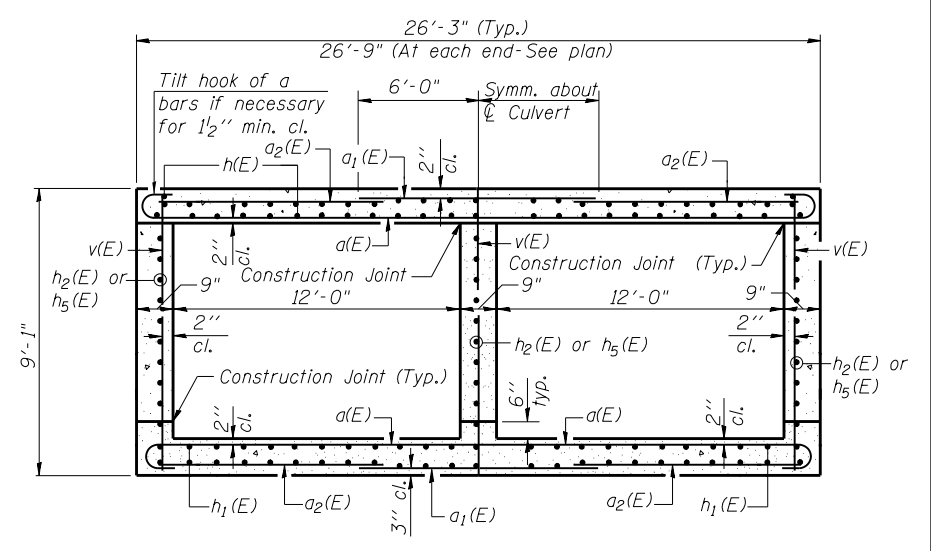
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
STRUCTURE NO. 045-2041

SHEET NO. S3 OF S9 SHEETS

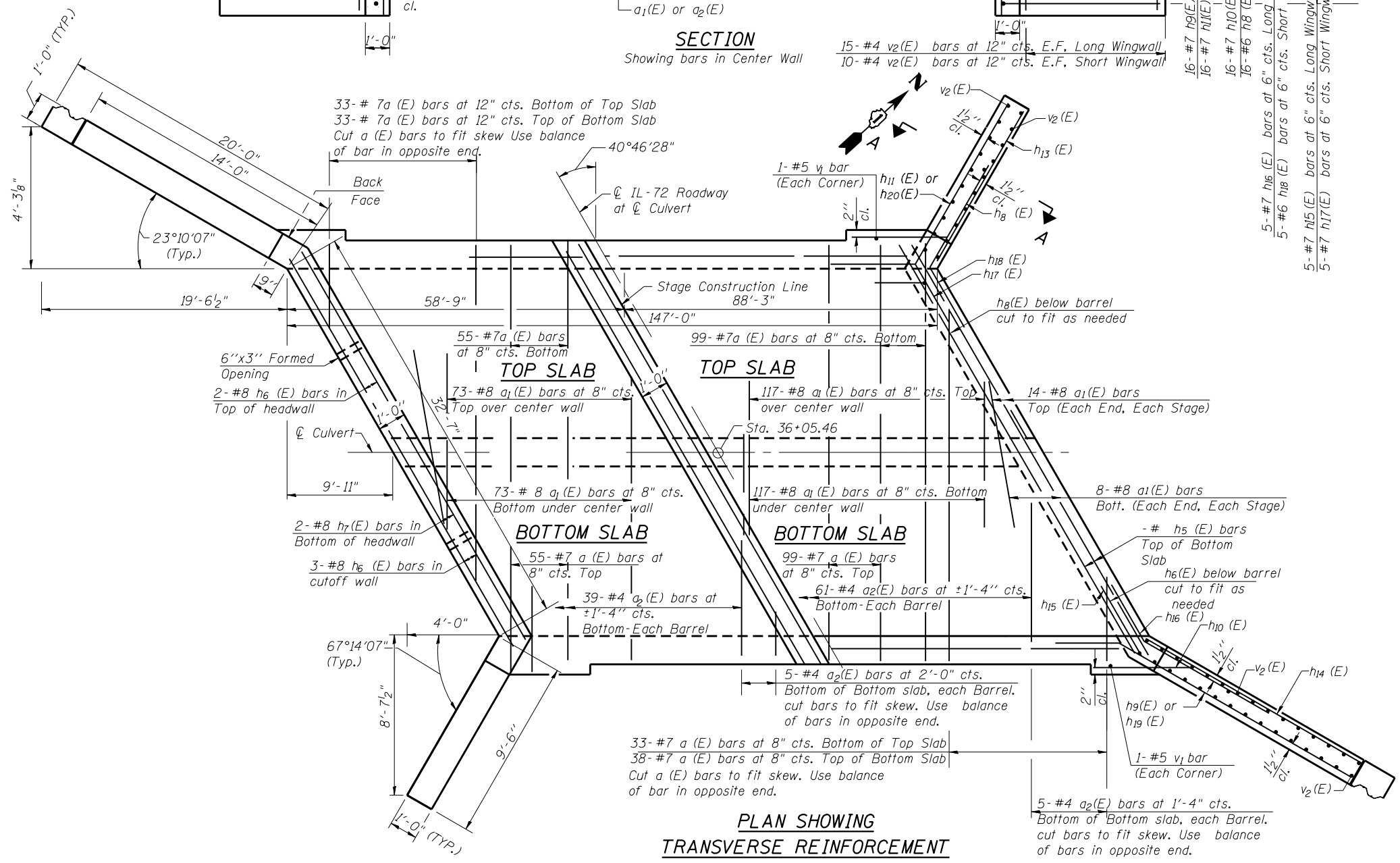
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	97
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T10	



**SECTION**  
Showing bars in Center Wall



**SECTION THRU BARREL**



**PLAN SHOWING TRANSVERSE REINFORCEMENT**

**Notes:**  
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.  
Bars shown on west side of plan are stage I reinforcement. Bars shown on east side of plan are stage II reinforcement.

**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 - SSR	REVISED -
PLOT DATE =	CHECKED - GFP	REVISED -
FILE NAME =	DATE - 5/12/14	REVISED -

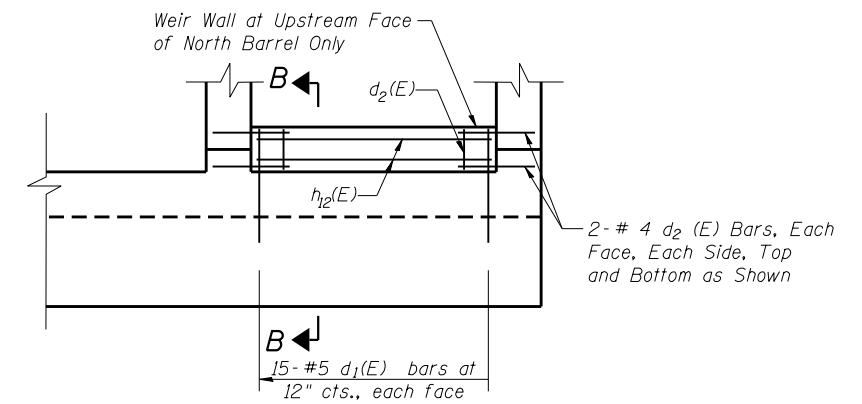
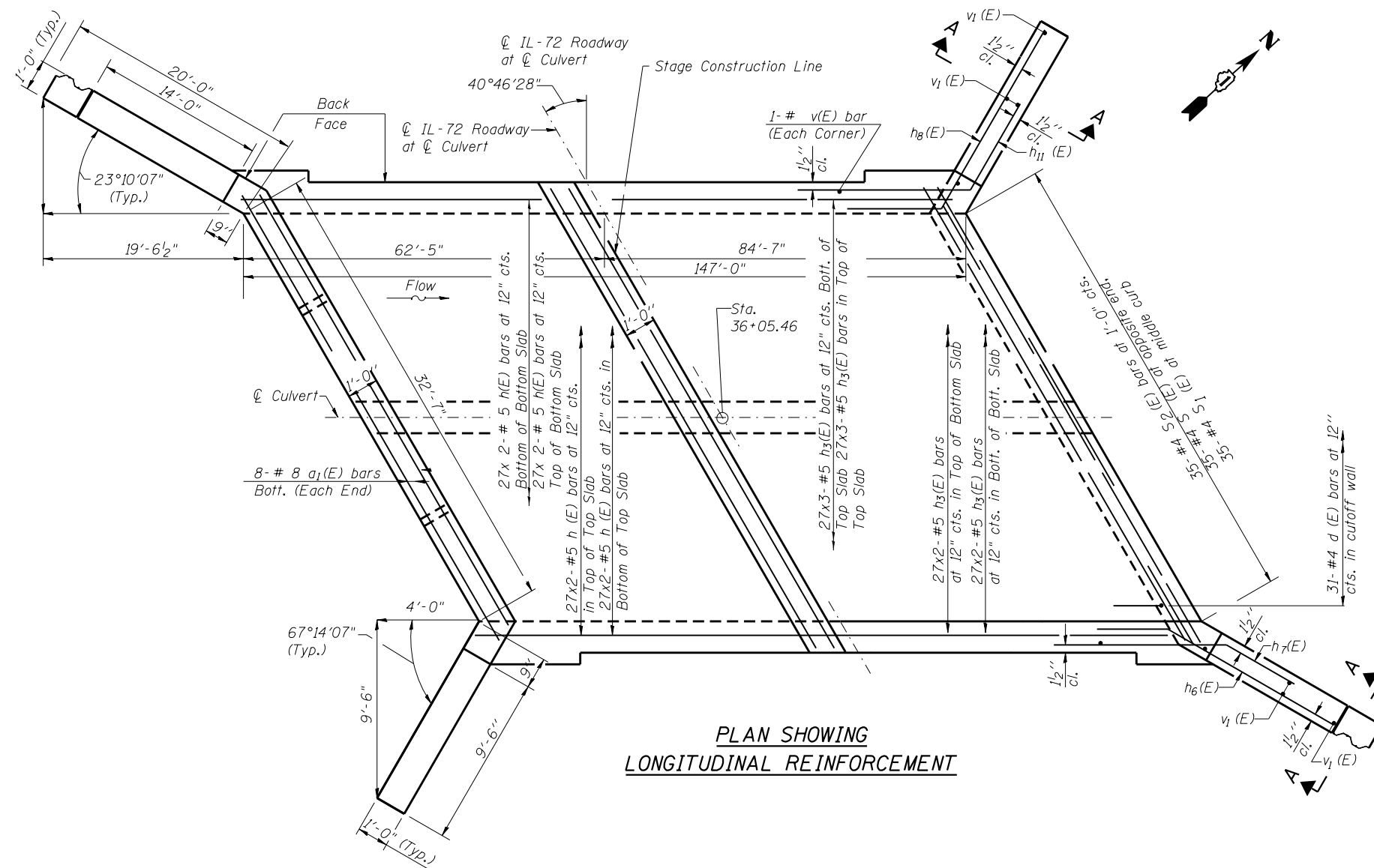
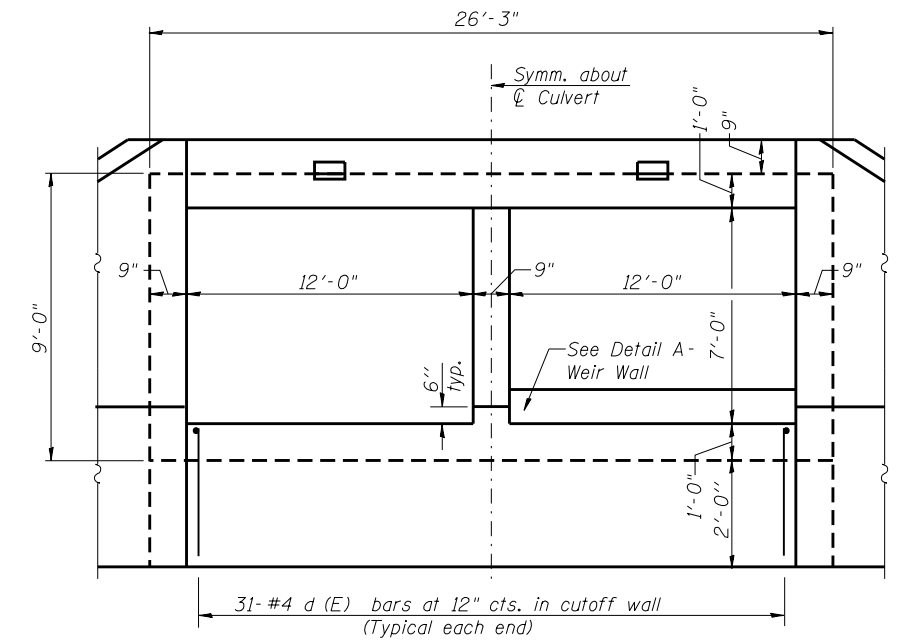
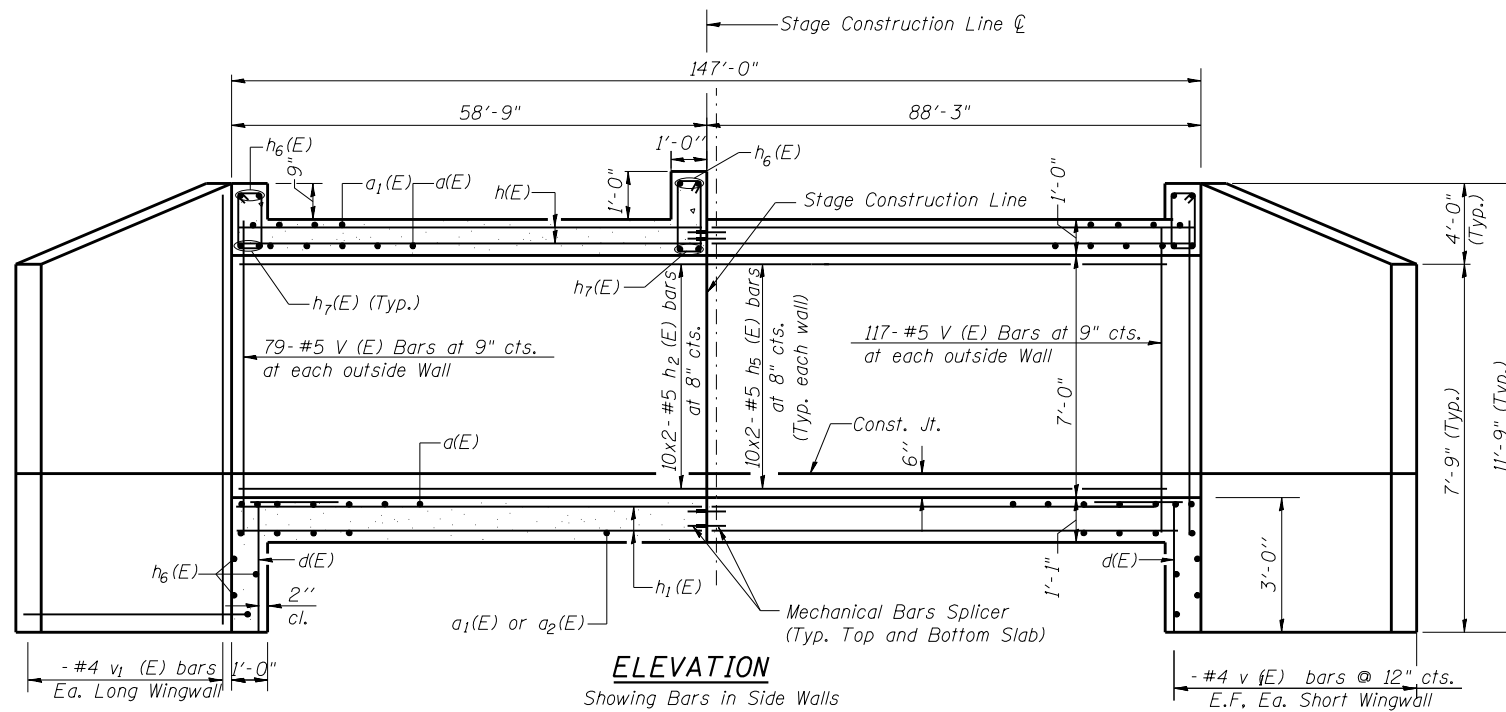


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

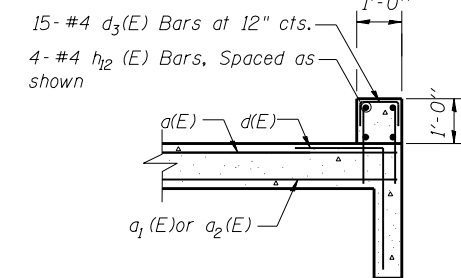
**CULVERT PLAN TOP SLAB, BOTTOM SLAB AND SECTIONS**  
**STRUCTURE NO. 045-2041**

SHEET NO. S4 OF S9 SHEETS

F.A.P. RTE. = 345	SECTION = 106-S-N-1	COUNTY = KANE	TOTAL SHEETS = 167	SHEET NO. = 98
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**DETAIL A - WIER WALL**



**SECTION B-B**

**MINIMUM BAR LAP**

- Notes:
- See Sheet S1 for Total Bill of Material.
  - See Sheet S2 for Notes.
  - Work this Sheet with Sheet S4.
  - See Sheet S6 for Bill of Material.

- (Slab)
- #4 Bar = 2'-7"
  - #5 Bar = 3'-3"
  - #6 Bar = 3'-10"
  - #7 Bar = 5'-2"

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

USER NAME =	DESIGNED - MBC	REVISED -
PLOT SCALE =	DRAWN - SSR	REVISED -
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FILE NAME =	DATE - 5/12/14	REVISED -

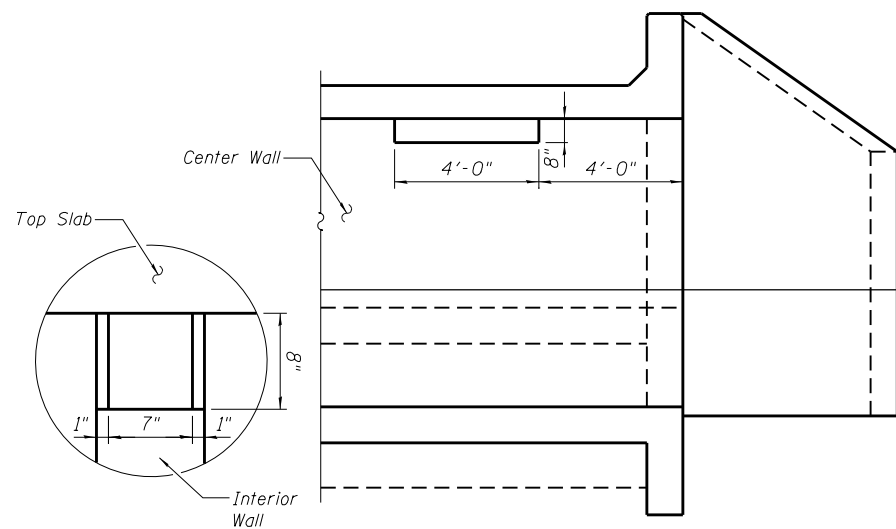


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN, TOP SLAB, BOTTOM SLAB ELEVATIONS AND DETAILS  
STRUCTURE NO. 045-2041

SHEET NO. S5 OF S9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	99
CONTRACT NO. 60T10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

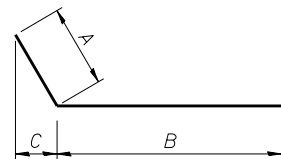


NOTCH DETAIL

LONGITUDINAL SECTION

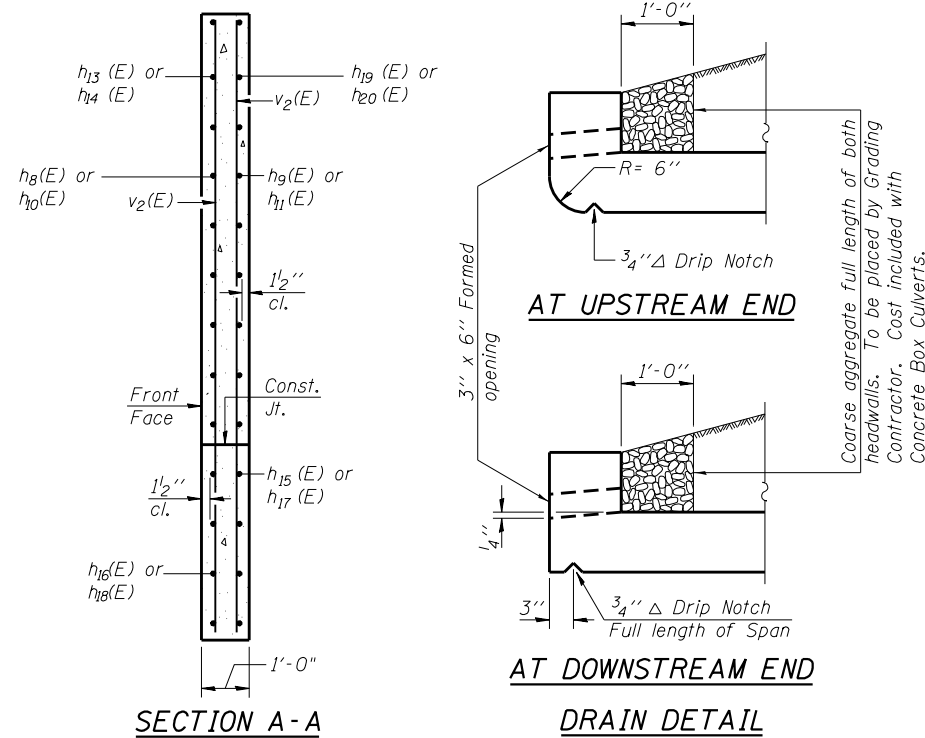
PHOEBE NESTING SITE

(Near downstream end)



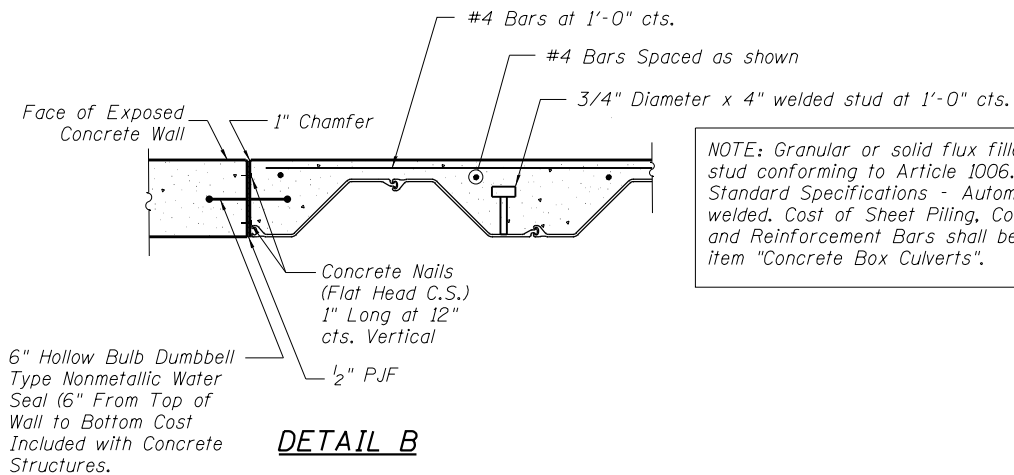
BARS h8(E) Thru h11(E), and h15(E) Thru h20(E)

Bar	A	B	C
h8(E)	3'-0"	5'-0"	1'-3"
h9(E)	3'-0"	14'-6"	2'-9"
h10(E)	3'-0"	5'-0"	2'-9"
h11(E)	3'-0"	10'-0"	1'-3"
h15(E)	3'-0"	14'-6"	2'-9"
h16(E)	3'-0"	14'-0"	2'-9"
h17(E)	3'-0"	10'-0"	1'-3"
h18(E)	3'-0"	9'-6"	1'-3"
h19(E)	3'-0"	14'-6"	2'-9"
h20(E)	3'-0"	10'-6"	1'-3"



SECTION A-A

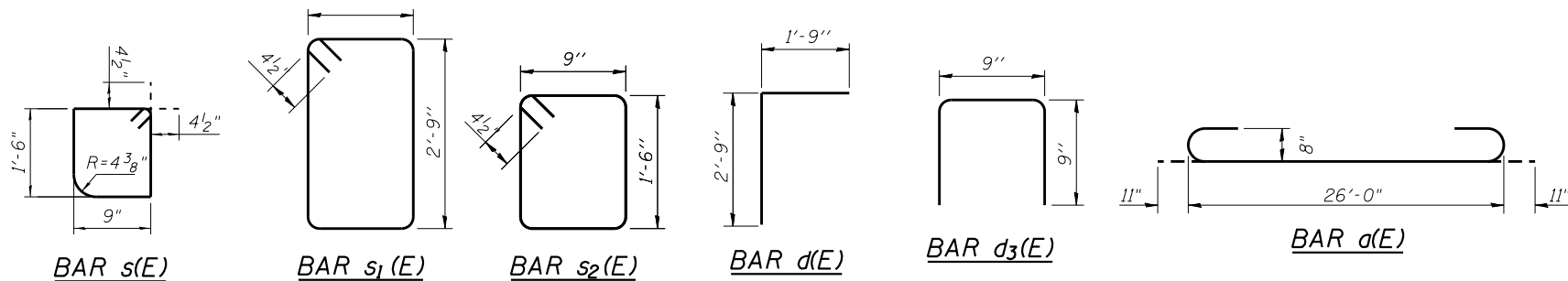
DRAIN DETAIL



DETAIL B

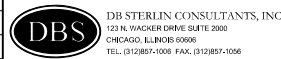
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	440	#7	27'-10"	
a1 (E)	336	#8	12'-0"	
a2 (E)	404	#4	8'-3"	
d (E)	66	#4	4'-6"	
d1 (E)	30	#5	2'-5"	
d2 (E)	8	#5	1'-6"	
d3 (E)	15	#4	2'-3"	
h (E)	216	#5	30'-4"	
h2 (E)	60	#5	30'-4"	
h3 (E)	324	#5	30'-0"	
h5 (E)	60	#5	30'-0"	
h6 (E)	6	#8	34'-4"	
h7 (E)	6	#7	34'-4"	
h8 (E)	32	#6	8'-0"	
h9 (E)	32	#6	17'-6"	
h10 (E)	32	#7	8'-0"	
h11 (E)	32	#7	13'-0"	
h13 (E)	24	#4	9'-3"	
h14 (E)	24	#4	13'-9"	
h15 (E)	10	#7	17'-6"	
h16 (E)	10	#7	17'-0"	
h17 (E)	10	#7	13'-0"	
h18 (E)	10	#6	12'-6"	
h19 (E)	6	#7	17'-6"	
h20 (E)	6	#6	13'-0"	
v (E)	588	#5	8'-8"	
v1 (E)	4	#5	8'-9"	
v2 (E)	100	#4	11'-6"	
s (E)	35	#4	5'-3"	
s1 (E)	35	#4	7'-9"	
s2 (E)	35	#4	5'-3"	
Concrete Box Culverts			Cu. Yd.	409.8
Reinforcement Bars, Epoxy Coated			Pound	70,830
Bars Splicers			Each	125



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

USER NAME =	DESIGNED - MBC	REVISED -
PLOT SCALE =	DRAWN - SSR	REVISED -
PLOT DATE =	CHECKED - GFP	REVISED -
FILE NAME =	DATE - 5/12/14	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS  
STRUCTURE NO. 045-2041

SHEET NO. S6 OF S9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	106-S-N-1	KANE	167	100
CONTRACT NO. 60T10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT