

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	1
			+1	
			83	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 326: IL 47
AT BIG TIMBER ROAD
SECTION: 106-N-1

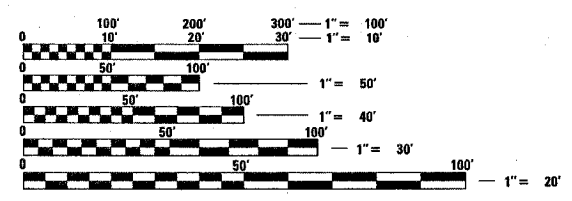
CHANNELIZATION, TRAFFIC SIGNAL INSTALLATION
PROJECT: HSIP-0326(065)
KANE COUNTY
C-91-001-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN UNINCORPORATED,
KANE COUNTY.



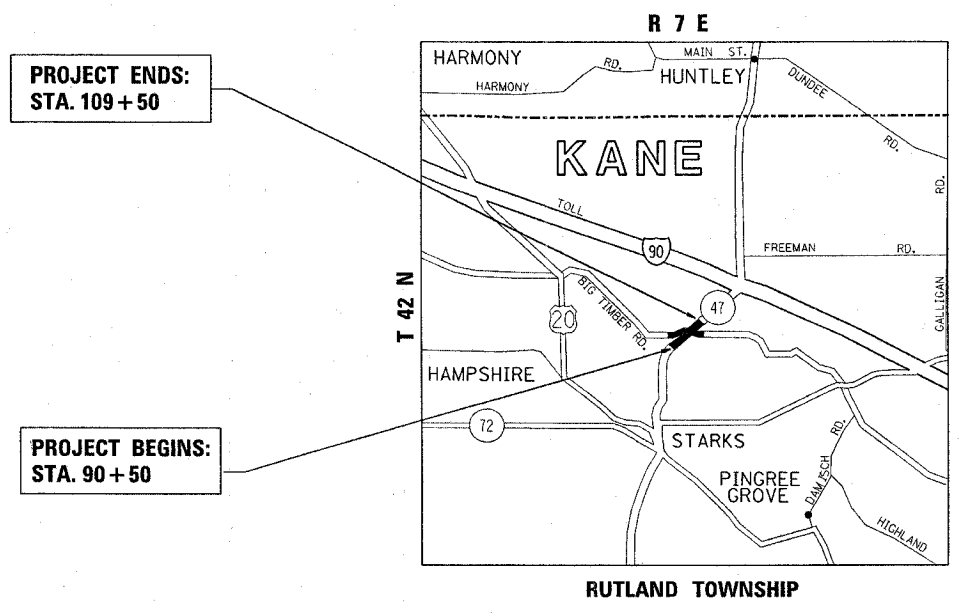
REGION ONE - PLAN PREPARATION ENGINEER - KEN ENG / J. CHANG (847) 705-4432



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

CONTRACT NO. 62843



GROSS AND NET LENGTH OF PROJECT = 1900 FT. (0.36 MILE)



TRAFFIC DATA

IL 47: 2005 ADT = 10,800
BIG TIMBER RD: 2002 ADT = 3,350
POSTED SPEED LIMIT = 55 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 9 20 07

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11 20 07
Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

May 11 20 07
Milton R. See P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION
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2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.
3-5	SUMMARY OF QUANTITIES
6-9	EXISTING AND PROPOSED TYPICAL SECTIONS
10	SCHEDULE OF QUANTITIES AND HMA MIXTURE CHART
11	ALIGNMENT, TIES AND BENCHMARKS
12-17	EXISTING AND PROPOSED ROADWAY PLAN AND PROFILE
18-23	EXISTING AND PROPOSED DRAINAGE AND UTILITY PLAN AND PROFILE
23A	SUGGESTED CULVERT GRADING PLAN
24-29	PLAT OF HIGHWAYS
30-31	PAVEMENT MARKING/LANDSCAPING PLAN
32-33	EROSION CONTROL PLAN
34	FLASHING BEACON INSTALLATION AND REMOVAL PLAN
35-39	TRAFFIC SIGNAL INSTALLATION PLANS
40-45	INTERCONNECT PLANS
46-49	LIGHTING PLANS
50	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB AND EDGE OF SHOULDER >= 15'
51	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
52	BUTT JOINT AND HMA TAPER DETAIL
53	BENCHING DETAIL FOR EMBANKMENT WIDENING
54	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
55	LIGHT POLE FOUNDATION 40' (12.192 M) TO 47 1/2' (14.478 M) M.H. 15" (381) BOLT CIRCLE
56	ALUMINUM LIGHT POLE 47'-6" (14.478 M) MOUNTED HEIGHT
57	LUMINAIRE SAFETY CABLE ASSEMBLY
58	MISC. ELECTRICAL DETAILS SHEET A
59	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
60	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
61	TYPICAL RECESSED REFLECTIVE PAVEMENT MARKERS
62	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
63	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
64	TEMPORARY INFORMATION SIGNING
65-68	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
69	SOLAR POWERED FLASHING BEACON INSTALLATION DETAIL
70-82	CROSS SECTIONS

STANDARD NO.	DESCRIPTION
000001-04	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
442201-02	CLASS C AND D PATCHES
482001-01	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-02	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION
701001-01	OFF-RD. OPERATIONS, 2L, 2W, 15' MIN. AWAY
701006-02	OFF-RD. OPERATIONS, 2L, 2W, 15' TO PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, ON-RD. TO 24" OFF-RD.
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS-DAY ONLY
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCE
862001	UNINTERRUPTIBLE POWER SUPPLY
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, RUTLAND TOWNSHIP AND KANE COUNTY DOT.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

ALL PLANTS MATERIAL SHALL BE MARKED IN THE FIELD. CONTACT RICK WANNER OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4172 A MINIMUM OF 72 HOURS PRIOR TO LANDSCAPING WORK.

THE RESIDENT ENGINEER SHALL VERIFY LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

SCALE: VERT. HORIZ. DATE DRAWN BY CHECKED BY

PLOT DATE = 3/1/2007
FILE NAME = c:\p\proj\62843\design\index.dgn
PLOT SCALE = 0.5000 / 1"=40'
USER NAME = rjg

REV. 1

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-1-N	KANE	82	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT NO. 62843				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	SIGNAL	INTERCONNECT	PREEMPTIONS	LIGHTING
				1000-2A	YO31-1F	YO31-1F	YO31-3D	YO30-1E
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% COUNTY	100% STATE	100% VILLAGE OF HUNTLEY	90% FEDERAL 10% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40				
20101100	TREE TRUNK PROTECTION	EACH	5	5				
20200100	EARTH EXCAVATION	CU YD	2826	2826				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8340	8340				
20400800	FURNISHED EXCAVATION	CU YD	3986	3986				
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	150	150				
20800150	TRENCH BACKFILL	CU YD	180	180				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	380	380				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	24200	24200				
21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	24200	24200				
25000210	SEEDING, CLASS 2A	ACRE	5	5				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	450	450				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	450	450				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	450	450				
25100630	EROSION CONTROL BLANKET	SQ YD	24200	24200				
25200200	SUPPLEMENTAL WATERING	UNIT	250	250				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	500				
28000300	TEMPORARY DITCH CHECKS	EACH	40	40				
28000400	PERIMETER EROSION BARRIER	FOOT	9000	9000				
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	4500	4500				
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	230	230				
35501334	HOT-MIX ASPHALT BASE COURSE, 12 1/2"	SQ YD	2250	2250				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7	7				
40600300	AGGREGATE (PRIME COAT)	TON	35	35				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	6				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	55	55				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	260	260				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ROADWAY	SIGNAL	INTERCONNECT	PREEMPTIONS	LIGHTING
				1000-2A	YO31-1F	YO31-1F	YO31-3D	YO30-1E
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% COUNTY	100% STATE	100% VILLAGE OF HUNTLEY	90% FEDERAL 10% STATE
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1960	1960				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	26	26				
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1519	1519				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	11000	11000				
44002236	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 9"	SQ YD	500	500				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	200	200				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	70	70				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	70	70				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	3400	3400				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3000	3000				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6	6				
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	6	6				
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	18	18				
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	106	106				
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	272	272				
60107600	PIPE UNDERDRAINS 4"	FOOT	770	770				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1				
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2000	2000				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	375	375				

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PLOT DATE: 2/13/2007

2/13/2007 10:00:00 AM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000-2A	SIGNAL Y031-1F	INTERCONNECT Y031-1F	PREEMPTORS Y031-3D	LIGHTING Y030-1E	CODE NO	ITEM	UNIT		ROADWAY 1000-2A	SIGNAL Y031-1F	INTERCONNECT Y031-1F	PREEMPTORS Y031-3D	LIGHTING Y030-1E
			90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% COUNTY	100% STATE	100% VILLAGE OF HUNTLEY	90% FEDERAL 10% STATE				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% COUNTY	100% STATE	100% VILLAGE OF HUNTLEY	90% FEDERAL 10% STATE		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18900	18900				81400300	DOUBLE HANDHOLE	EACH	1						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1600	1600				81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	7509		809	4200	2500		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	200	200				83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	13				13		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	210	210				83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	130				130		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8200	8200				83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	13				13		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	33					85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	150	150				85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9450	9450				86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	800	800				87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 30	FOOT	409		409				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100	100				87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1411		1411				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	105	105				87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1893		1893				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	110	110				87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1823		1823				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	100	100				87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	53		53				
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1				
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1					87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1		1				
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	4759		559	4200		87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1		1				
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	131		131			87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1		1				
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	21		21			87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1		1				
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	103		103			87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1		1				
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	44		44			87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1		1				
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	277		277			87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4				
81400200	HEAVY-DUTY HANDHOLE	EACH	16		9	7		87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				

* SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	SUMMARY OF QUANTITIES	

2/13/2007 1:28:38 PM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT		ROADWAY	SIGNAL	INTERCONNECT	PREEMPTORS	LIGHTING	CODE NO	ITEM	UNIT		ROADWAY	SIGNAL	INTERCONNECT	PREEMPTORS	LIGHTING			
				1000-2A	YO31-1F	YO31-1F	YO31-3D	YO30-1E					90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% COUNTY	100% STATE	100% VILLAGE OF HUNTLEY	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	1000-2A	YO31-1F
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30		30				X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1274					1274			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60				X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/8, TWISTED, SHIELDED	FOOT	1385					1385			
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4				* XX005372	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	225	225							
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6				* XX005733	POLYUREA PAVEMENT MARKING - LINE 12"	FOOT	100	100							
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2		2				Δ * XX006058	POLYUREA PAVEMENT MARKING - LINE 4"	FOOT	9450	9450							
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10		10				* XX006059	POLYUREA PAVEMENT MARKING - LINE 6"	FOOT	800	800							
88500100	INDUCTIVE LOOP DETECTOR	EACH	8		8				* XX006061	POLYUREA PAVEMENT MARKING - LINE 24"	FOOT	105	105							
88600100	DETECTOR LOOP, TYPE I	FOOT	1232		1232				* XX006257	RECESSED REFLECTIVE PAVMENT MARKER	EACH	110	110							
88700200	LIGHT DETECTOR	EACH	4						XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	1			1					
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						XX006697	LUMINAIRE (SPECIAL)	EACH	17							17	
89502380	REMOVE EXISTING HANDHOLE	EACH	1		1				Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	12		12				Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1	1							
X0321630	LIGHTING CONTROLLER, CONSOLE TYPE	EACH	1						Z0022800	FENCE REMOVAL	FOOT	1700	1700							
X0322118	REMOVE CONCRETE FLARED END SECTIONS	EACH	4	4					X0325713	GROUND ROD	EACH	13							13	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	103	103					X0325714	POST MOUNTED FLASHING BEACON, SOLAR POWERED INSTALLATION	EACH	6			6					
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4531			4531			X0325714	POST MOUNTED FLASHING BEACON, SOLAR POWERED INSTALLATION	EACH	6			6					
X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	17						X2210384	UNIT DUCT WITH 3-1/8 NO. 4 AND 1/8 NO. 6 GROUND, 600V, (EPR-TYPE RHW) IN 1 1/4" DIAMETER SCHEDULE 40 POLYETHYLENE DUCT	FOOT	2800							2800	
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	5	5					X0325716	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE 2) 3-1/8 NO. 2	FOOT	100							100	
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	651	651					X0325715	REOPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1					
X5013800	PIPE CULVERT REMOVAL	EACH	6	6					Δ Z0076600	TRAINEEES	HOUR	1000	1000							
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1															
X8102010	CONDUIT PUSHED, 3" DIA., RIGID GALVANIZED STEEL	FOOT	350																	
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4543			4543														
X8710025	FIBER OPTIC CABLE ON MESSENGER, NO. 62.5/125, MM12F SM12F	FOOT	347			347														

* SPECIALTY ITEM

Δ NON-PARTICIPATING
© Y880

REVISIONS	
NAME	DATE

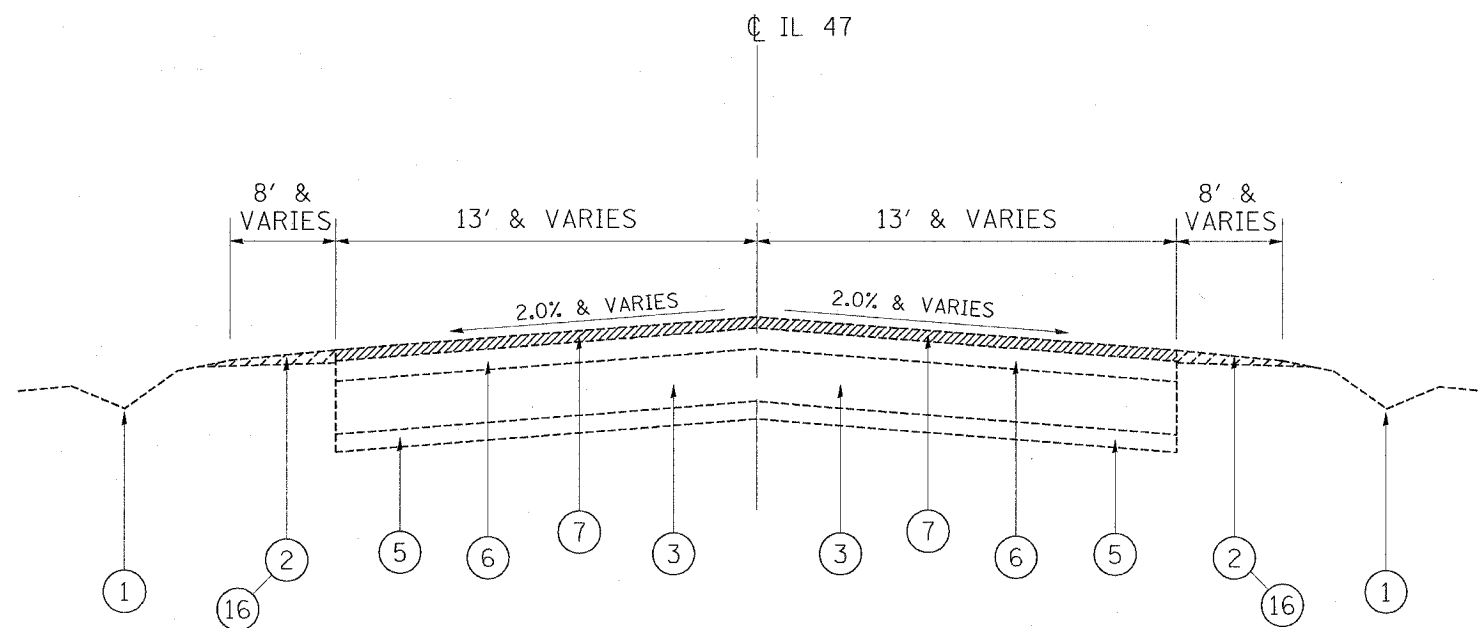
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Rev

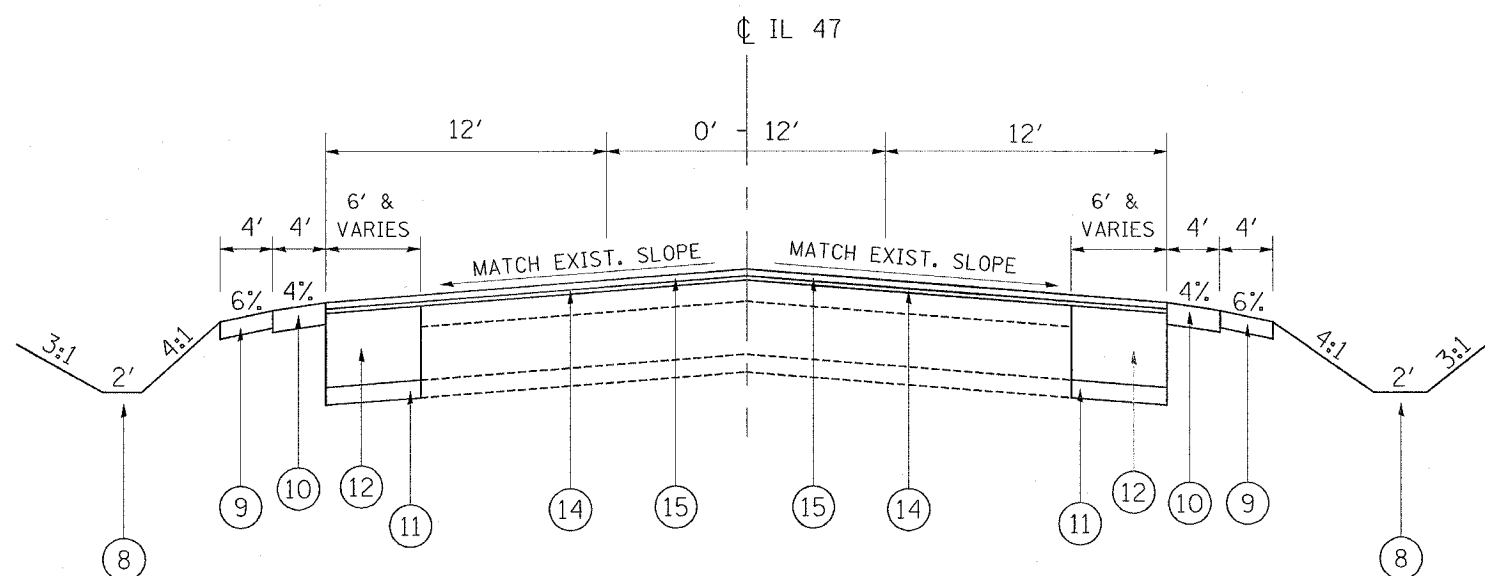
CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	6
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

LEGEND

- ① EXIST. DITCH
- ② EXIST. AGGREGATE SHOULDER
- ③ EXIST. P.C.C. BASE COURSE, 9''(±)
- ④ EXIST. AGGREGATE BASE COURSE, 8''(±)
- ⑤ EXIST. SUBBASE GRAN. MATL., 4''(±)
- ⑥ EXIST. HOT-MIX ASPHALT PAVEMENT, 9''(±)
- ⑥A EXIST. HOT-MIX ASPHALT PAVEMENT, 7''(±)
- ⑦ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
- ⑧ PROP. DITCH
- ⑨ PROP. AGGREGATE SHOULDER, TYPE B, 6''
- ⑩ PROP. HOT-MIX ASPHALT SHOULDER, 8''
- ⑪ PROP. WIDENING: SUBBASE GRAN. MATL., 4''
- ⑫ PROP. WIDENING: POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 1 1/2''
- ⑬ PROP. WIDENING: HOT-MIX ASPHALT BASE COURSE, 12 1/2''
- ⑭ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4-75, N50, 3/4''
- ⑮ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4''
- ⑯ PROP. AGGREGATE SHOULDER REMOVAL (TO BE INCLUDED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)



**EXISTING TYPICAL SECTION
IL 47
STA. 90+50 TO 109+50**



**PROPOSED TYPICAL SECTION
IL 47
STA. 90+50 TO 109+50**

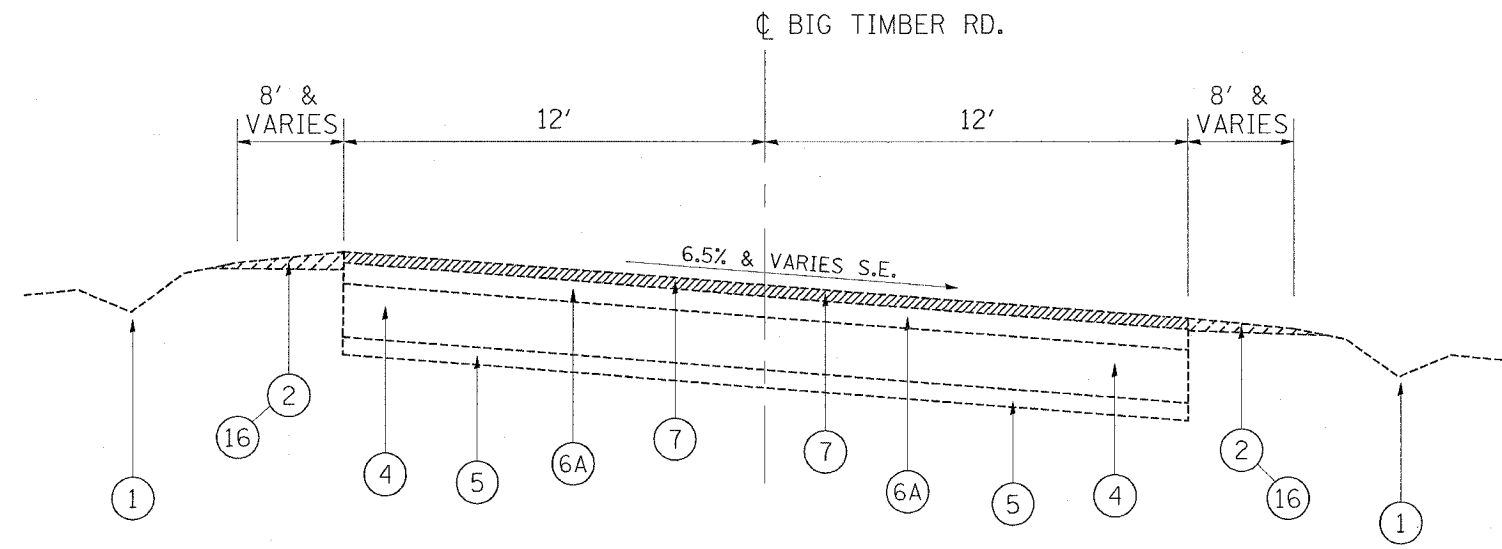
NOTES:

STABILIZATION FABRIC TO BE PLACED ON IL RTE. 47 AT STATION 101+00 TO 103+50 ON BOTH SIDES OF THE ROADWAY ON THE EXPOSED SUBGRADE BELOW THE SUB-BASE LEVEL.

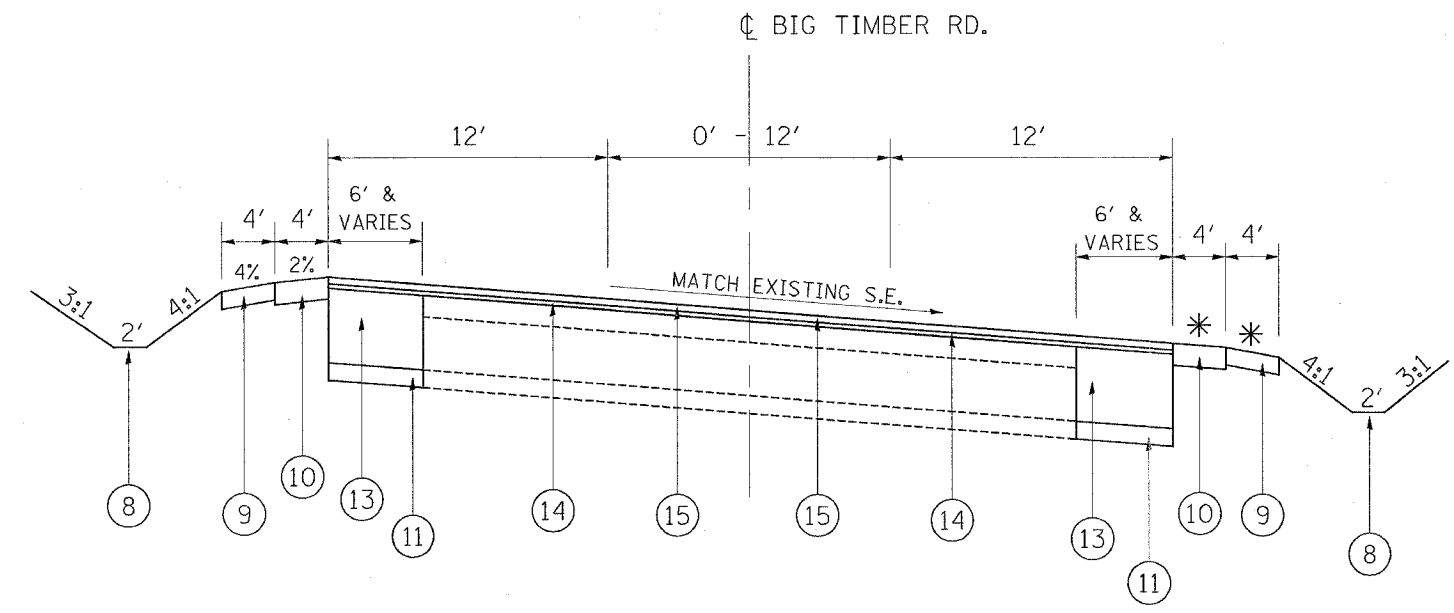
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">EXISTING AND PROPOSED TYPICAL SECTIONS IL 47 AT BIG TIMBER RD.</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DATE _____ DRAWN BY _____ CHECKED BY _____</p>

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 USER NAME = wlgreendp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**EXISTING TYPICAL SECTION
BIG TIMBER RD.
STA. 40+50 TO 50+00**



**PROPOSED TYPICAL SECTION
BIG TIMBER RD.
STA. 40+50 TO 50+00**

LEGEND

- ① EXIST. DITCH
- ② EXIST. AGGREGATE SHOULDER
- ③ EXIST. P.C.C. BASE COURSE, 9''(±)
- ④ EXIST. AGGREGATE BASE COURSE, 8''(±)
- ⑤ EXIST. SUBBASE GRAN. MATL., 4''(±)
- ⑥ EXIST. HOT-MIX ASPHALT PAVEMENT, 9''(±)
- ⑥A EXIST. HOT-MIX ASPHALT PAVEMENT, 7''(±)
- ⑦ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
- ⑧ PROP. DITCH
- * ⑨ PROP. AGGREGATE SHOULDER, TYPE B, 6''
- * ⑩ PROP. HOT-MIX ASPHALT SHOULDER, 8''
- ⑪ PROP. WIDENING: SUBBASE GRAN. MATL., 4''
- ⑫ PROP. WIDENING: POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 15 1/2''
- ⑬ PROP. WIDENING: HOT-MIX ASPHALT BASE COURSE, 12 1/2''
- ⑭ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4-75, N50, 3/4''
- ⑮ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 1 3/4''
- ⑯ PROP. AGGREGATE SHOULDER REMOVAL (TO BE INCLUDED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)

NOTES:

* THE LOW SIDE OF THE S.E. WILL HAVE A HMA SHOULDER SLOPE THAT MATCHES EXIST. ROADWAY, AND AN AGG. SHOULDER SLOPE 2% BELOW HMA SHOULDER (SEE CROSS SECTIONS)

NOTES:

POROUS GRANULAR EMBANKMENT, SUBGRADE LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER.

4-INCH DIAMETER LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT THE OUTSIDE EDGES OF THE PROPOSED WIDENING WITHIN AREAS WHICH ARE UNDERCUT AND BACKFILLED WITH PGES. THE UNDERDRAINS SHOULD BE INSTALLED AT A DEPTH OF 30 INCHES BELOW THE TOP OF PROPOSED PAVEMENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

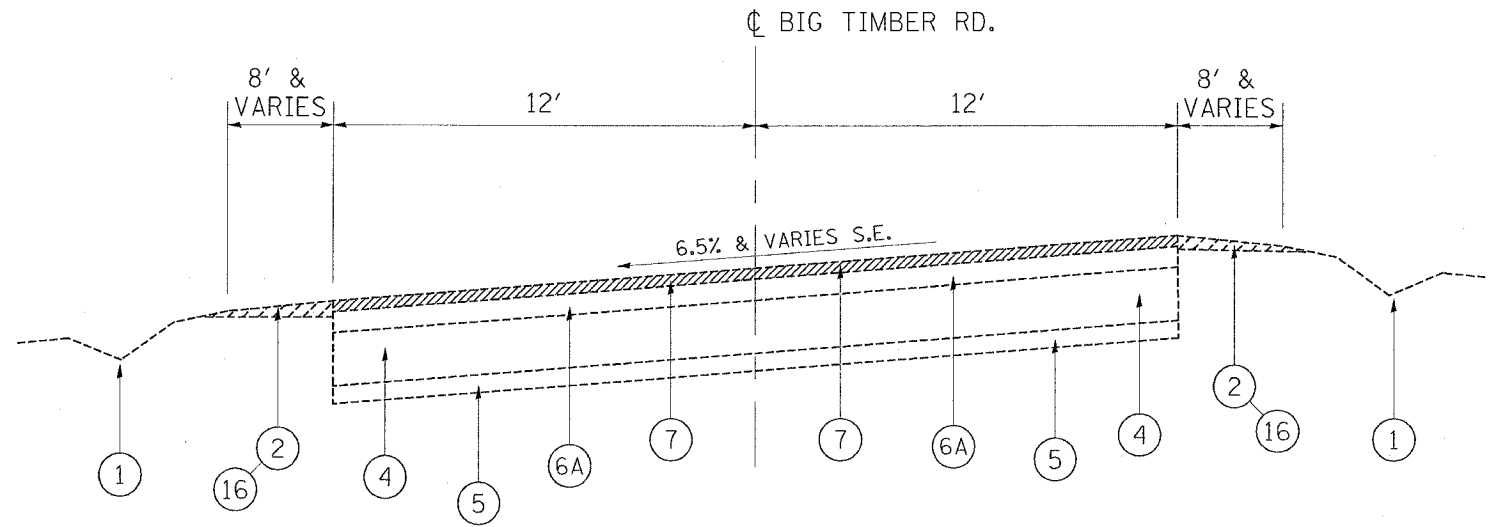
**EXISTING AND PROPOSED
TYPICAL SECTIONS
IL 47 AT BIG TIMBER RD.**

SCALE: VERT. _____
HORIZ. _____

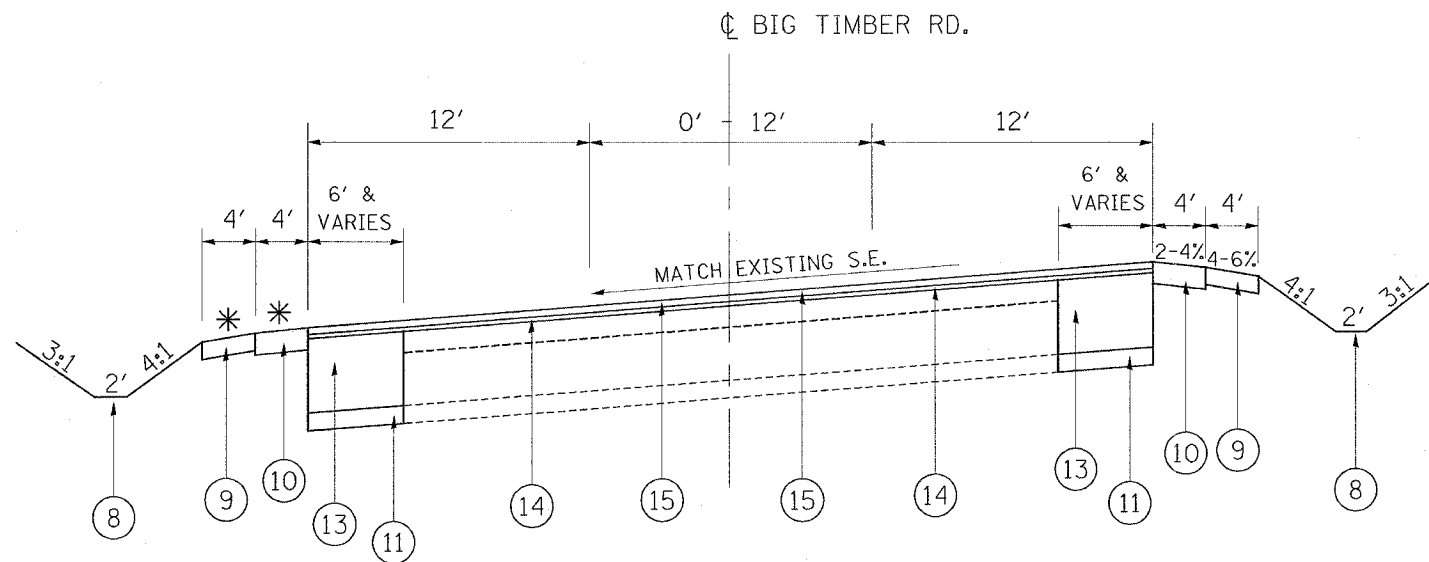
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CHECKED BY _____

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 USER NAME = wjgrem

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**EXISTING TYPICAL SECTION
BIG TIMBER RD.
STA. 50+00 TO 55+83.12**



**PROPOSED TYPICAL SECTION
BIG TIMBER RD.
STA. 50+00 TO 55+83.12**

LEGEND

- ① EXIST. DITCH
- ② EXIST. AGGREGATE SHOULDER
- ③ EXIST. P.C.C. BASE COURSE, 9''(±)
- ④ EXIST. AGGREGATE BASE COURSE, 8''(±)
- ⑤ EXIST. SUBBASE GRAN. MATL., 4''(±)
- ⑥ EXIST. HOT-MIX ASPHALT PAVEMENT, 9''(±)
- ⑥A EXIST. HOT-MIX ASPHALT PAVEMENT, 7''(±)
- ⑦ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
- ⑧ PROP. DITCH
- * ⑨ PROP. AGGREGATE SHOULDER, TYPE B, 6''
- * ⑩ PROP. HOT-MIX ASPHALT SHOULDER, 8''
- ⑪ PROP. WIDENING: SUBBASE GRAN. MATL., 4''
- ⑫ PROP. WIDENING: POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 15 1/2''
- ⑬ PROP. WIDENING: HOT-MIX ASPHALT BASE COURSE, 12 1/2''
- ⑭ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL4-75, N50, 3/4''
- ⑮ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4''
- ⑯ PROP. AGGREGATE SHOULDER REMOVAL (TO BE INCLUDED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)

NOTES:

- * THE LOW SIDE OF THE S.E. WILL HAVE A HMA SHOULDER SLOPE THAT MATCHES EXIST. ROADWAY, AND AN AGG. SHOULDER SLOPE 2% BELOW HMA SHOULDER (SEE CROSS SECTIONS)

NOTES:

POROUS GRANULAR EMBANKMENT, SUBGRADE LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER.

4-INCH DIAMETER LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT THE OUTSIDE EDGES OF THE PROPOSED WIDENING WITHIN AREAS WHICH ARE UNDERCUT AND BACKFILLED WITH PGES. THE UNDERDRAINS SHOULD BE INSTALLED AT A DEPTH OF 30 INCHES BELOW THE TOP OF PROPOSED PAVEMENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING AND PROPOSED
TYPICAL SECTIONS
IL 47 AT BIG TIMBER RD.**

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES (EARTHWORK)						
1	2	3	4	5	6	7
IL 47 AT BIG TIMBER RD.	EARTH EXCAVATION (CU YD)	UNSUITABLE MATERIAL (CU YD)	EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (CU YD)	FURNISHED EXCAVATION (CU YD)	TOP SOIL FURNISH AND PLACE (SQ YD)
IL 47 - STA. 83+25 TO STA. 100+00	1,665	3,600	2,154	1,415	-739	10,794
IL 47 - STA. 100+00 TO STA. 109+50	658	1,270	850	559	-291	3,272
BIG TIMBER RD. - STA. 40+50 TO STA. 50+00	338	1,920	1,807	287	-1,520	4,750
BIG TIMBER RD. - STA. 50+00 TO STA. 59+50	165	1,550	1,576	140	-1,436	3,589
TOTAL	2,826	8,340	6,388	2,402	-3,986	22,406
COLUMN 1: LOCATION FROM PLANS		COLUMN 2: CUT QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED		COLUMN 3: MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT (TOP SOIL EXCAVATED AT 12" (300 MM) AVERAGE DEPTH)		COLUMN 4: FILL QUANTITIES AFTER UNSUITABLE MATERIAL IS REMOVED
		COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR WAS DETERMINED TO BE 15%		COLUMN 6: COLUMN 5 - COLUMN 4, POSITIVE QUANTITY= EXTRA EXCAVATION, NEGATIVE QUANTITY= FURNISHED EXCAVATION NEEDED		COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SEEDING

NOTE: THE TOP 12" OF TOPSOIL IS TO BE REMOVED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. THE CUT AND FILL VALUES ON THE CROSS SECTIONS DO NOT ACCOUNT FOR THE REMOVAL OF 12" OF TOPSOIL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE USE	AC TYPE	AIR VOIDS (%)
ROADWAY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 MM), 1 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR
WIDENING	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 1 1/2"	SBS/SBR PG 70-22	4% @ 90 GYR
	HOT-MIX ASPHALT BASE COURSE, (BINDER IL-19.0 MM), 1 1/2"	PG 64-22/58-22	4% @ 50 GYR
FIELD ENTRANCES	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 MM), 2"	PG 64-22	4% @ 50 GYR
SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22/58-22	2% @ 30 GYR
PATCHES	CLASS D PATCHES, (BINDER IL-19.0 MM), 9"	PG 64-22/58-22	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, (BINDER IL-19.0 MM)	PG 64-22/58-22	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

HMA MIX "F" IS USED BECAUSE INTERSECTION IS A HIGH-STRESS LOCATION

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

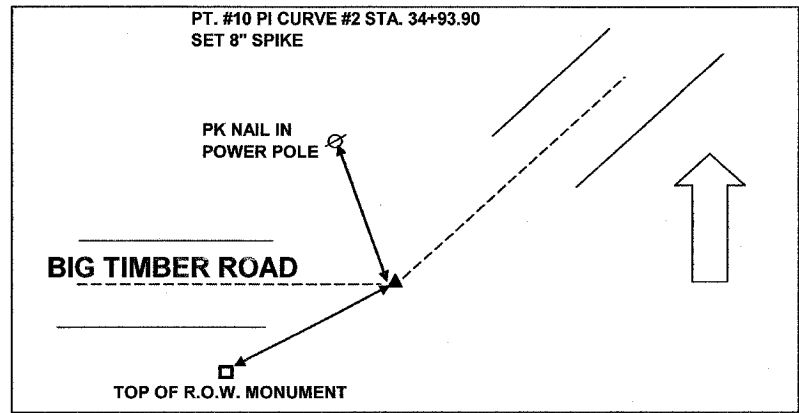
IL 47 AT BIG TIMBER RD.
SCHEDULE OF QUANTITIES AND
HMA MIXTURE CHART

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

REV. 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

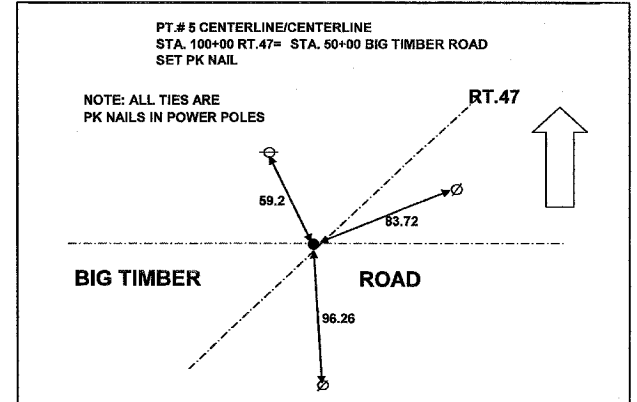
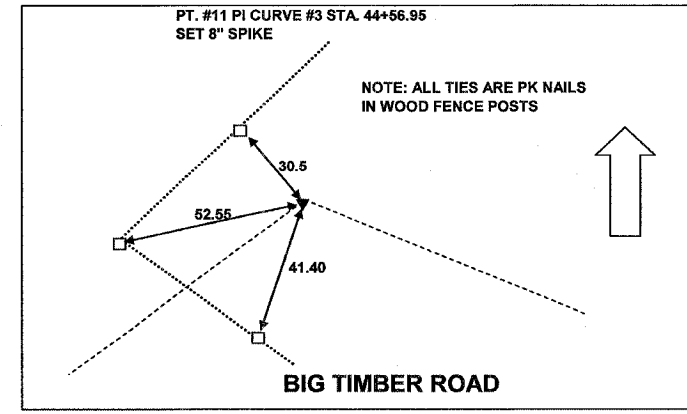
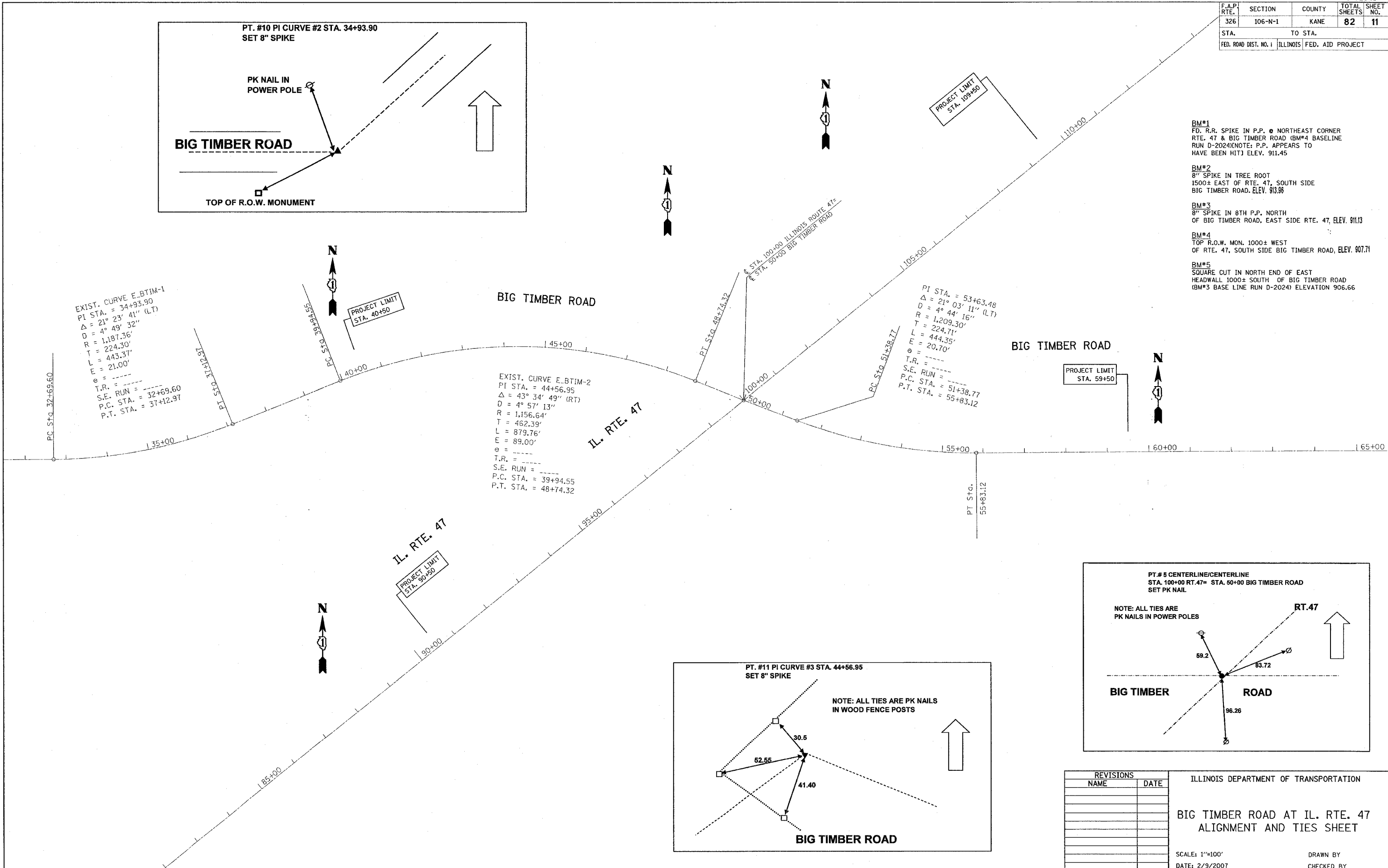


- BM#1**
FD. R.R. SPIKE IN P.P. @ NORTHEAST CORNER RTE. 47 & BIG TIMBER ROAD (BM#4 BASELINE RUN D-2024)(NOTE: P.P. APPEARS TO HAVE BEEN HIT) ELEV. 911.45
- BM#2**
8" SPIKE IN TREE ROOT 1500± EAST OF RTE. 47, SOUTH SIDE BIG TIMBER ROAD. ELEV. 913.96
- BM#3**
8" SPIKE IN 8TH P.P. NORTH OF BIG TIMBER ROAD, EAST SIDE RTE. 47, ELEV. 911.13
- BM#4**
TOP R.O.W. MON. 1000± WEST OF RTE. 47, SOUTH SIDE BIG TIMBER ROAD, ELEV. 907.71
- BM#5**
SQUARE CUT IN NORTH END OF EAST HEADWALL 1000± SOUTH OF BIG TIMBER ROAD (BM#3 BASE LINE RUN D-2024) ELEVATION 906.66

EXIST. CURVE E.BTIM-1
 PI STA. = 34+93.90
 $\Delta = 21^\circ 23' 41''$ (LT)
 $D = 4^\circ 49' 32''$
 $R = 1,187.36'$
 $T = 224.30'$
 $L = 443.37'$
 $E = 21.00'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = 32+69.60$
 $P.C. STA. = 37+12.97$
 $P.T. STA. = 34+93.90$

EXIST. CURVE E.BTIM-2
 PI STA. = 44+56.95
 $\Delta = 43^\circ 34' 49''$ (RT)
 $D = 4^\circ 57' 13''$
 $R = 1,156.64'$
 $T = 462.39'$
 $L = 879.76'$
 $E = 89.00'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 39+94.55$
 $P.T. STA. = 48+74.32$

PI STA. = 53+63.48
 $\Delta = 21^\circ 03' 11''$ (LT)
 $D = 4^\circ 44' 16''$
 $R = 1,209.30'$
 $T = 224.71'$
 $L = 444.35'$
 $E = 20.70'$
 $\theta = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 51+38.77$
 $P.T. STA. = 55+83.12$

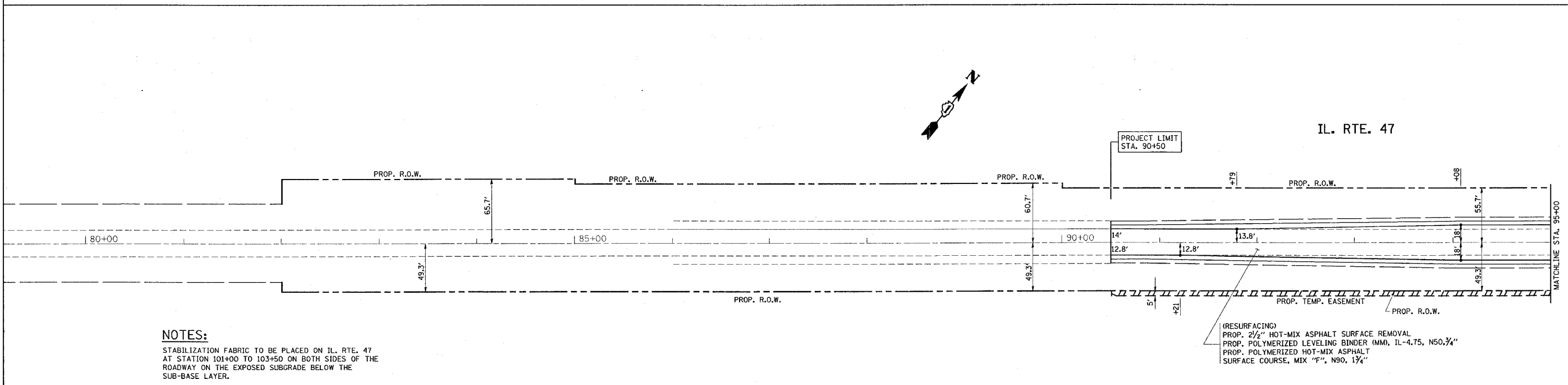
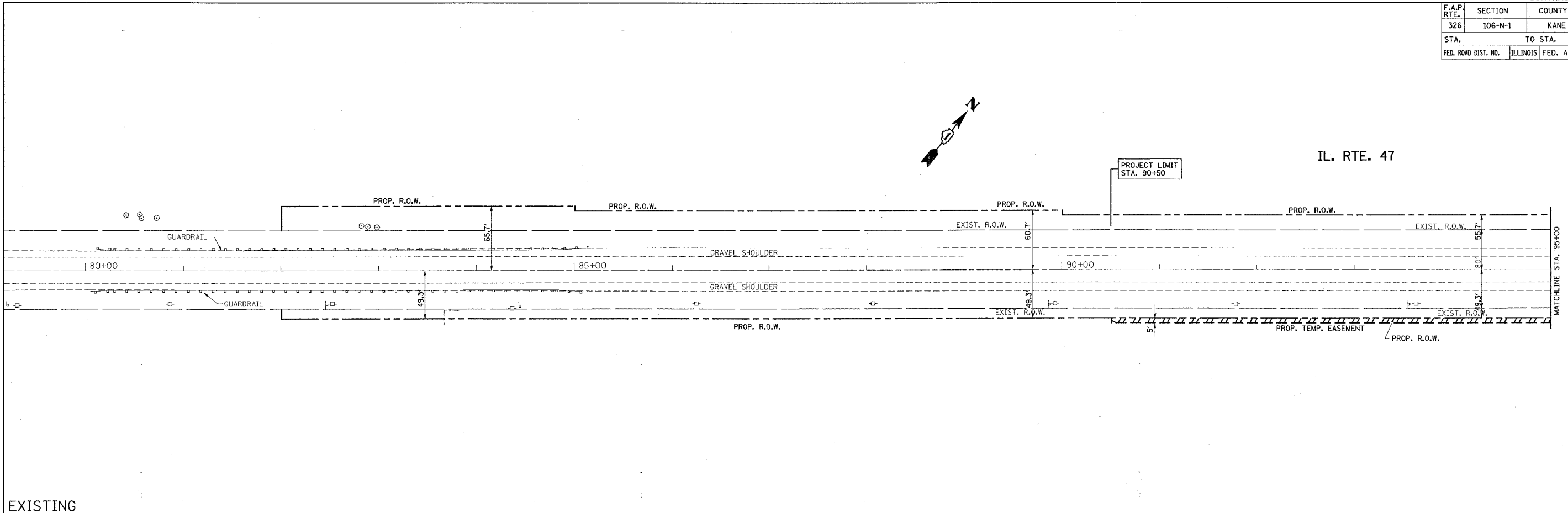


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BIG TIMBER ROAD AT IL. RTE. 47
 ALIGNMENT AND TIES SHEET**
 SCALE: 1"=100'
 DATE: 2/9/2007
 DRAWN BY
 CHECKED BY

PLOT DATE = 2/9/2007
 PLOT SCALE = 1/8"=100' / IN.
 USER NAME = gaglianob

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTES:

STABILIZATION FABRIC TO BE PLACED ON IL. RTE. 47 AT STATION 101+00 TO 103+50 ON BOTH SIDES OF THE ROADWAY ON THE EXPOSED SUBGRADE BELOW THE SUB-BASE LAYER.

POROUS GRANULAR EMBANKMENT, SUBGRADE LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. APPROXIMATE LOCATIONS OF PGES ARE ON BIG TIMBER RD. AT STA. 47+30 TO 49+00 (RIGHT) AND STA. 54+50 TO 57+50 (RIGHT AND LEFT).

4-INCH DIAMETER LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT THE OUTSIDE EDGES OF THE PROPOSED WIDENING WITHIN AREAS WHICH ARE UNDERCUT AND BACKFILLED WITH PGES. THE UNDERDRAINS SHOULD BE INSTALLED AT A DEPTH OF 30 INCHES BELOW THE TOP OF PROPOSED PAVEMENT.

(RESURFACING)
 PROP. 2 1/2" HOT-MIX ASPHALT SURFACE REMOVAL
 PROP. POLYMERIZED LEVELING BINDER (MM, IL-4.75, N50, 3/4")
 PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 1/4"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. RTE. 47 AT BIG TIMBER ROAD
 EXISTING AND PROPOSED
 ROADWAY PLAN**

SCALE: 1"=50'
 DATE 2/28/2007

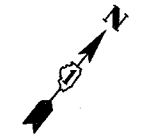
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REV. 1

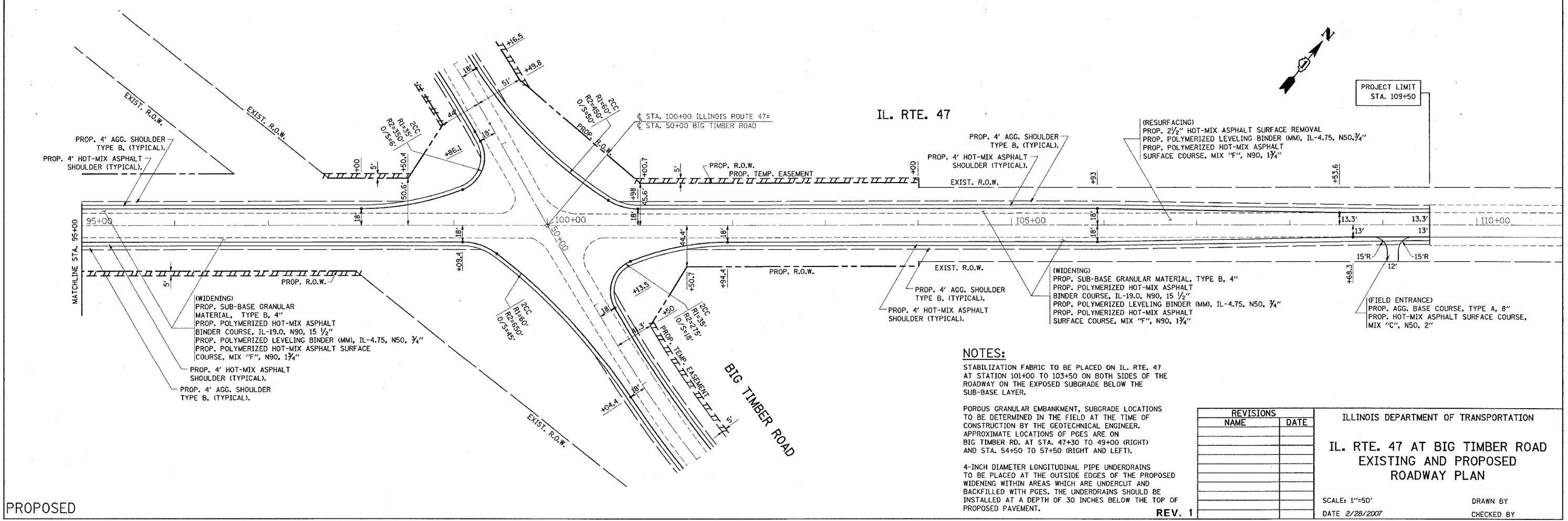
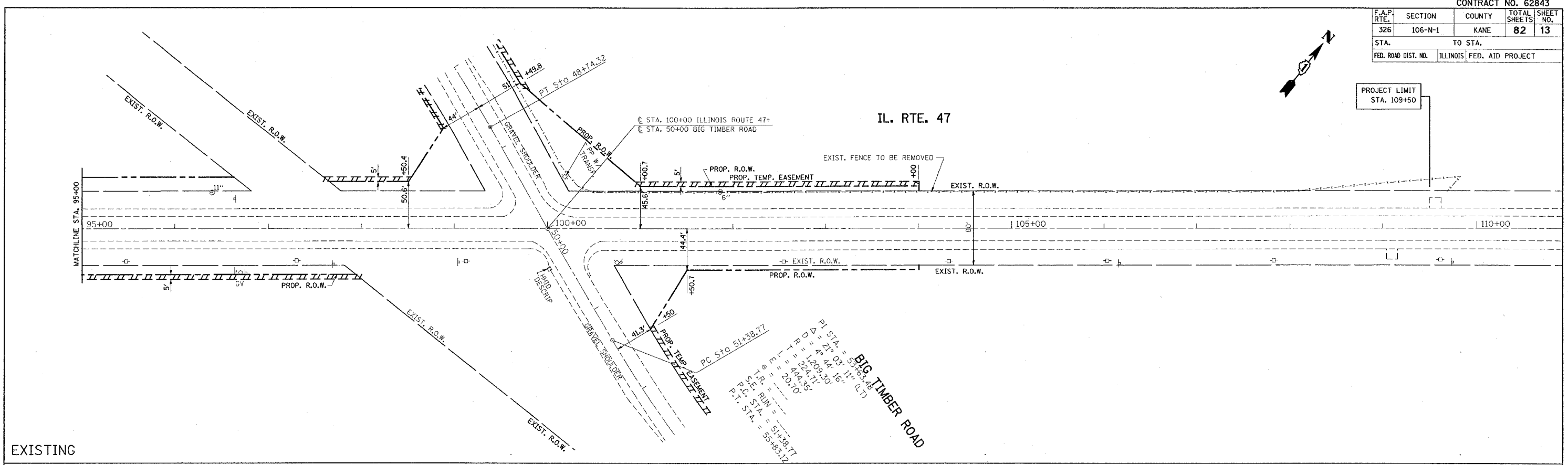
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 USER NAME = bauerdl

PROPOSED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PROJECT LIMIT
STA. 109+50



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL. RTE. 47 AT BIG TIMBER ROAD
EXISTING AND PROPOSED
ROADWAY PLAN**

SCALE: 1"=50'

DATE 2/28/2007

DRAWN BY

CHECKED BY

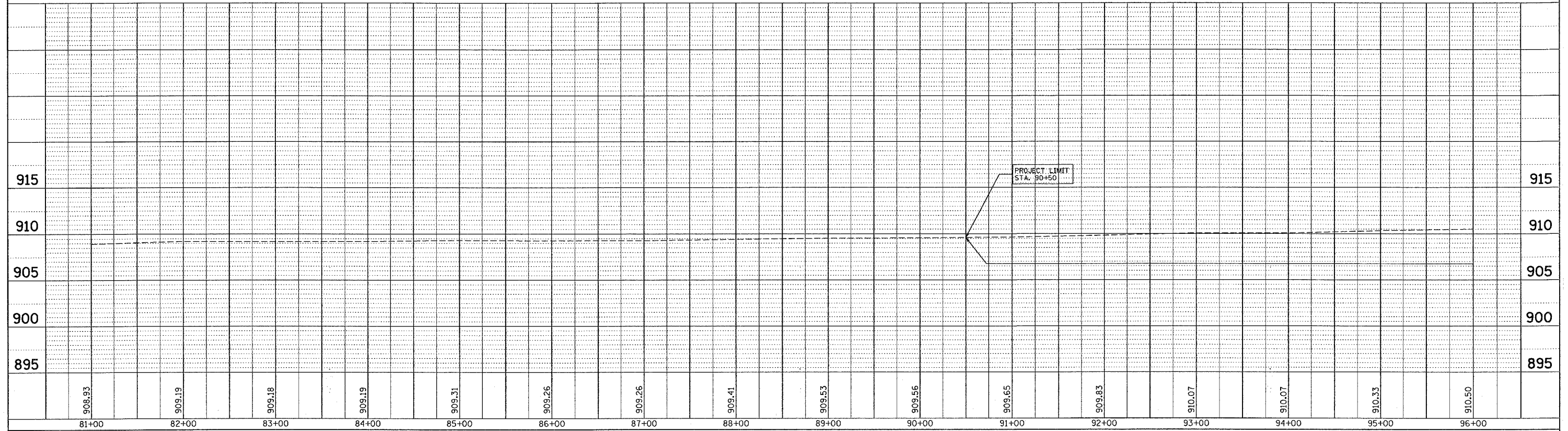
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REV. 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

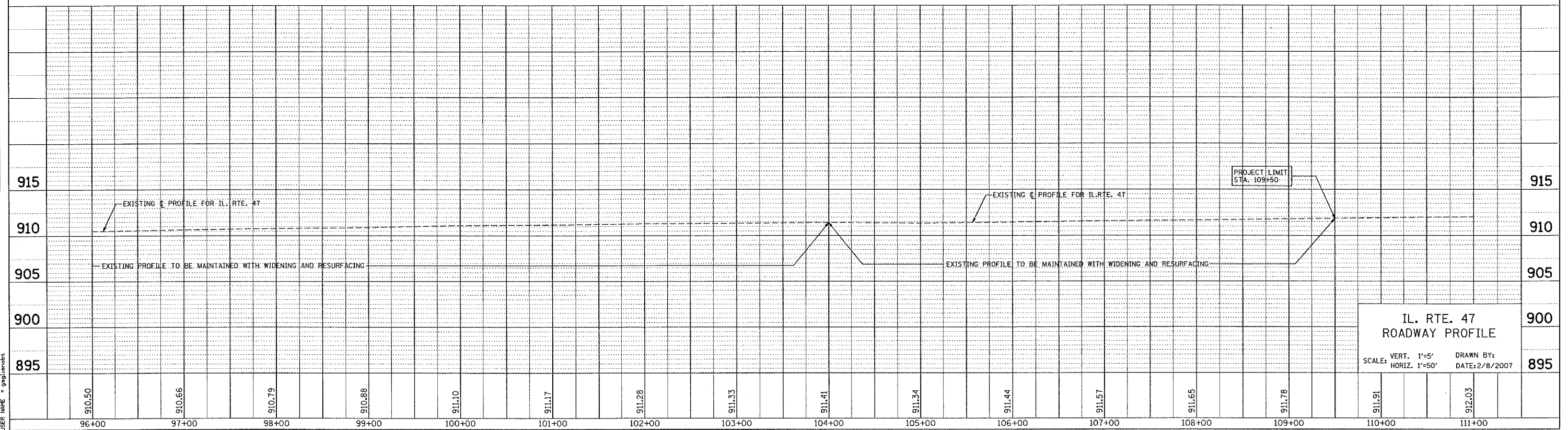
PLAN

SURVEYED	BY	DATE
NOTE BOOK NO.		
ALIGNMENT CHECKED		
FIELD FILE NAME		



PROFILE

SURVEYED	BY	DATE
GRADES CHECKED		
STATUTE NOTARIS 2/70		
SIGNATURE		
NOTE BOOK NO.		



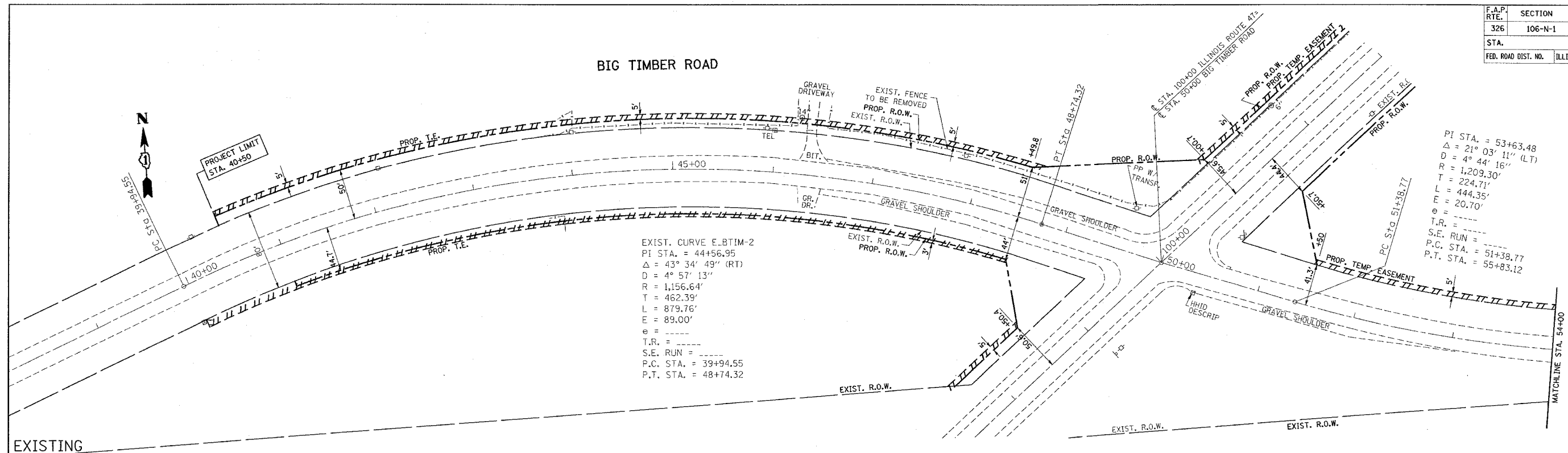
IL. RTE. 47
ROADWAY PROFILE

SCALE: VERT. 1"=5'
HORIZ. 1"=50'

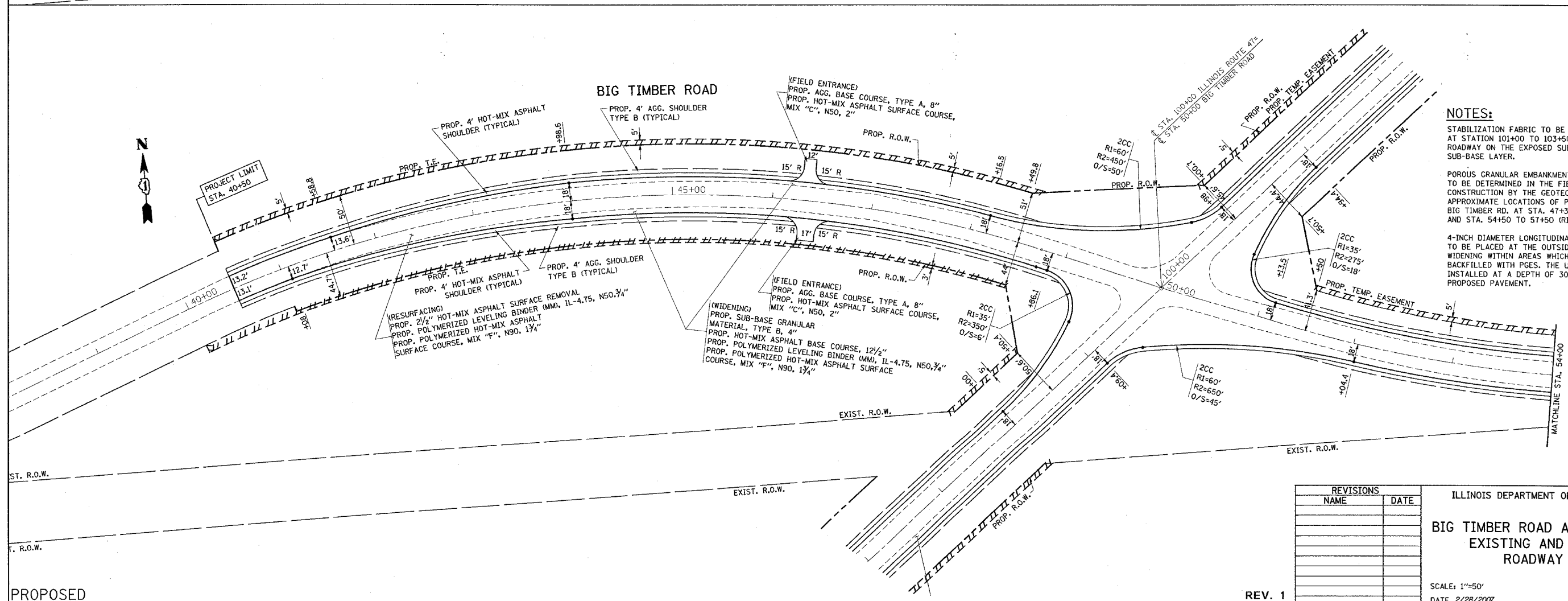
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SCALE: 1"=50'
USER NAME: gprubost

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PI STA. = 53+63.48
 $\Delta = 21^\circ 03' 11''$ (LT)
 $D = 4^\circ 44' 16''$
 $R = 1,209.30'$
 $T = 224.71'$
 $L = 444.35'$
 $E = 20.70'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 51+38.77$
 $P.T. STA. = 55+83.12$



NOTES:

STABILIZATION FABRIC TO BE PLACED ON IL. RTE. 47 AT STATION 101+00 TO 103+50 ON BOTH SIDES OF THE ROADWAY ON THE EXPOSED SUBGRADE BELOW THE SUB-BASE LAYER.

POROUS GRANULAR EMBANKMENT, SUBGRADE LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. APPROXIMATE LOCATIONS OF PGES ARE ON BIG TIMBER RD. AT STA. 47+30 TO 49+00 (RIGHT) AND STA. 54+50 TO 57+50 (RIGHT AND LEFT).

4-INCH DIAMETER LONGITUDINAL PIPE UNDERDRAINS TO BE PLACED AT THE OUTSIDE EDGES OF THE PROPOSED WIDENING WITHIN AREAS WHICH ARE UNDERCUT AND BACKFILLED WITH PGES. THE UNDERDRAINS SHOULD BE INSTALLED AT A DEPTH OF 30 INCHES BELOW THE TOP OF PROPOSED PAVEMENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BIG TIMBER ROAD AT IL. RTE. 47 EXISTING AND PROPOSED ROADWAY PLAN

SCALE: 1"=50'

DATE 2/28/2007

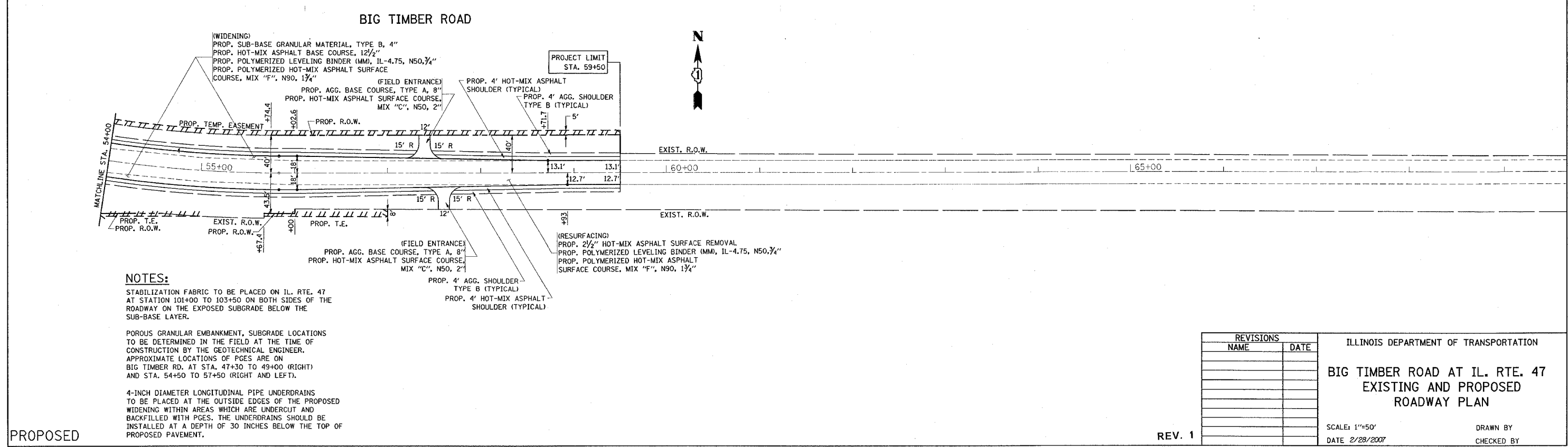
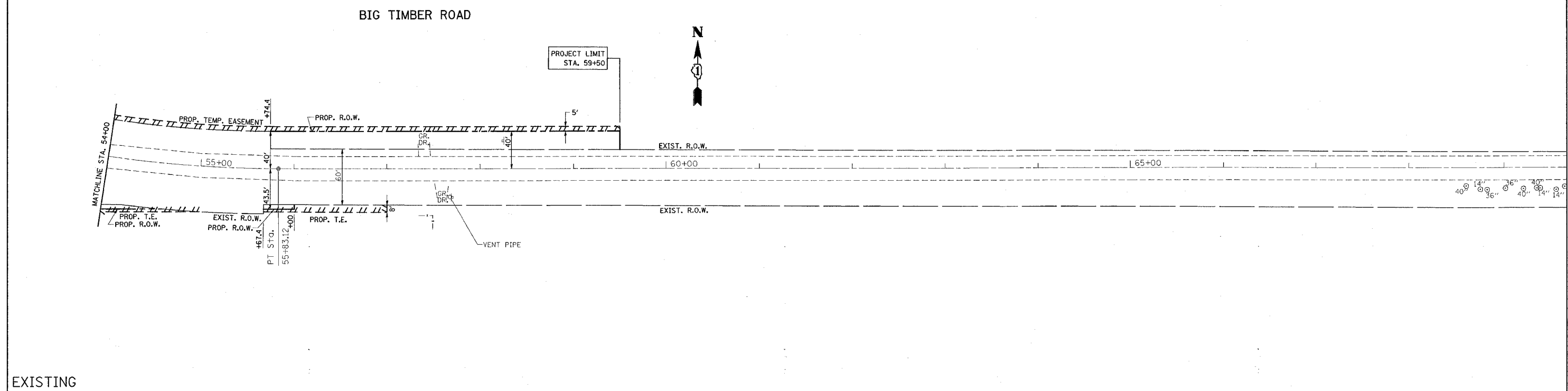
DRAWN BY
 CHECKED BY

PLOT DATE = 2/28/2007
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 PLOT SCALE = 50.0000 / IN.
 USER NAME = bauerf

PROPOSED

REV. 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BIG TIMBER ROAD AT IL. RTE. 47
EXISTING AND PROPOSED
ROADWAY PLAN**

SCALE: 1"=50'
DATE: 2/28/2007

DRAWN BY
CHECKED BY

PLOT DATE = 2/28/2007
FILE NAME = c:\pno\pno\106N01\106N01.dwg
PLOT SCALE = 50.0000 / IN.
USER NAME = bauerd

PROPOSED

REV. 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	17
STA. 38+00 TO STA. 53+00		FED. AID PROJECT		

PLAN

DATE: _____ BY: _____

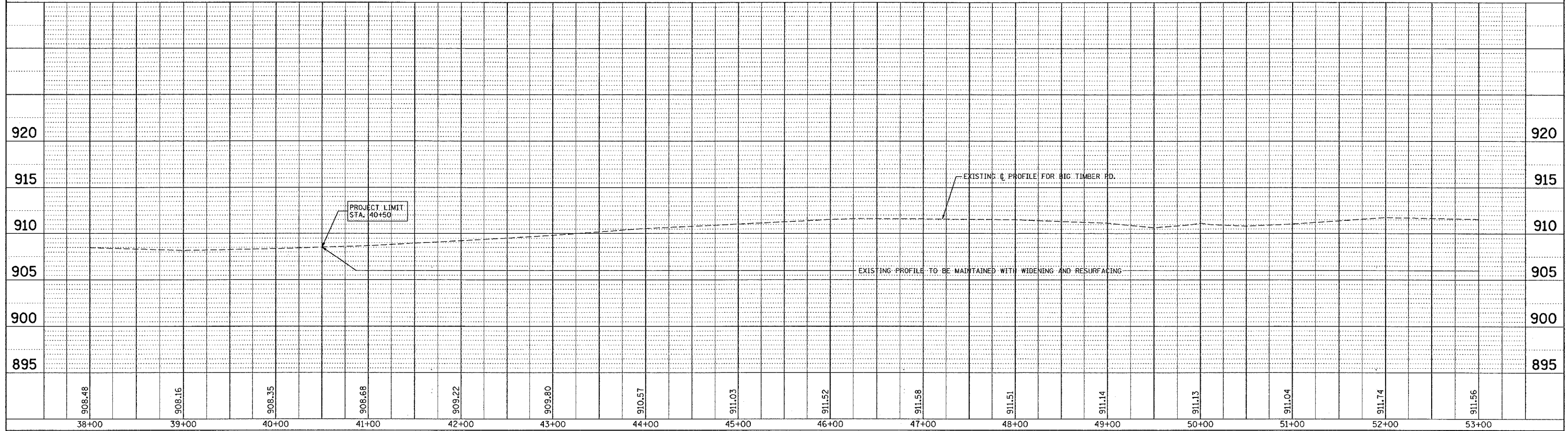
REVISIONS: _____

NOTE BOOK NO. _____

PLANNING CHECKED: _____

STRUCTURE NOTATION CHECKED: _____

FED. AID FILE NAME: _____



PROFILE

DATE: _____ BY: _____

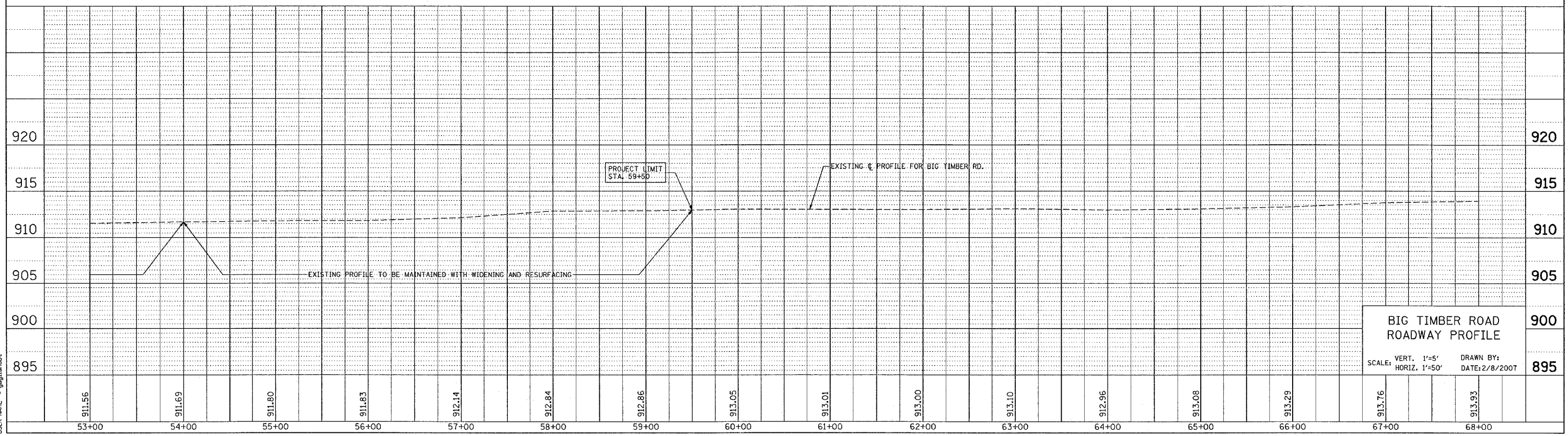
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NOTE BOOK NO. _____

PLANNING CHECKED: _____

STRUCTURE NOTATION CHECKED: _____

FED. AID FILE NAME: _____



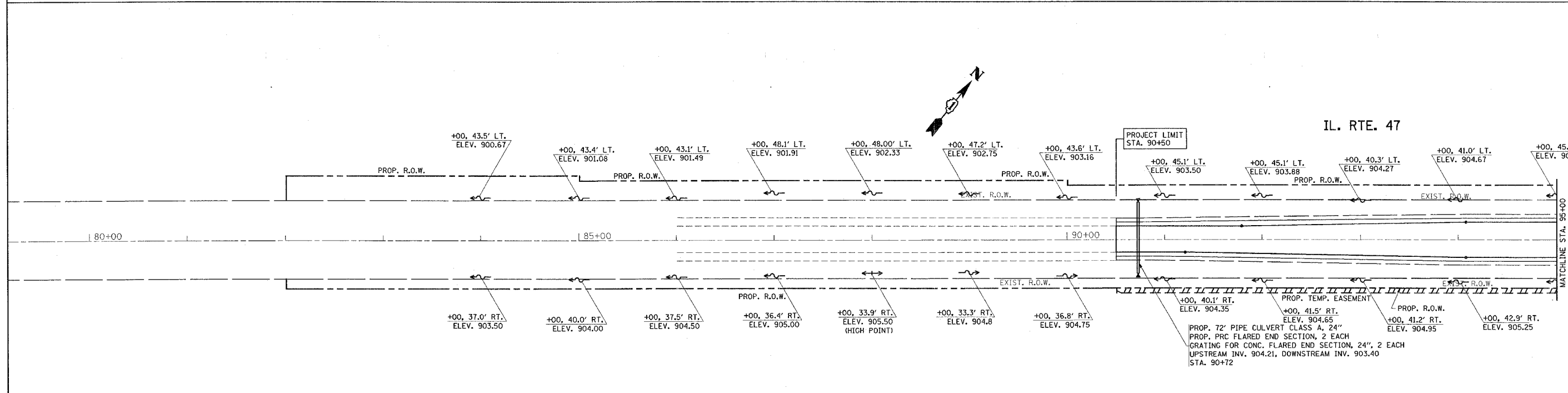
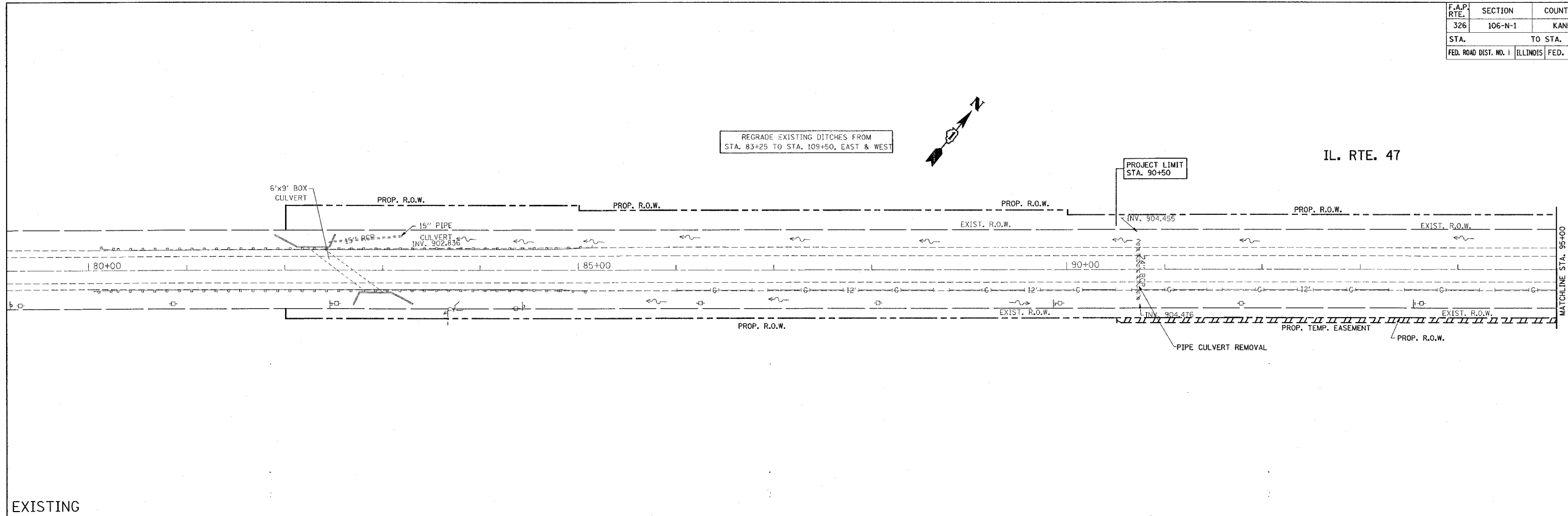
PLOT DATE = 2/6/2007
 PLOT SCALE = 500.000 / IN.
 USER NAME = geglennab

BIG TIMBER ROAD ROADWAY PROFILE

SCALE: VERT. 1"=5'
 HORIZ. 1"=50'

DRAWN BY:
 DATE: 2/8/2007

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



PLOT DATE = 2/8/2007
 FILE NAME = c:\projects\1108083\ah_drain.dgn
 PLOT SCALE = 50.000 / 1" = 50.000'
 USER NAME = gshirlandoc

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

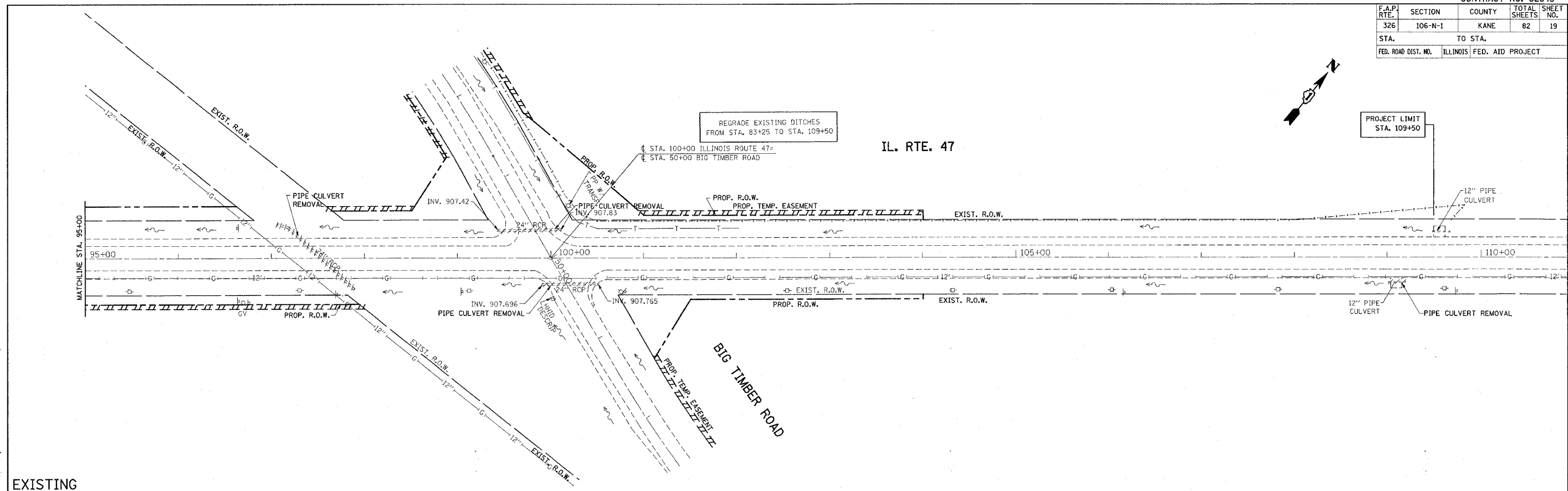
IL. RTE. 47 AT BIG TIMBER ROAD
 EXISTING AND PROPOSED
 DRAINAGE AND UTILITY PLAN

SCALE: 1"=50'
 DATE 2/8/2007

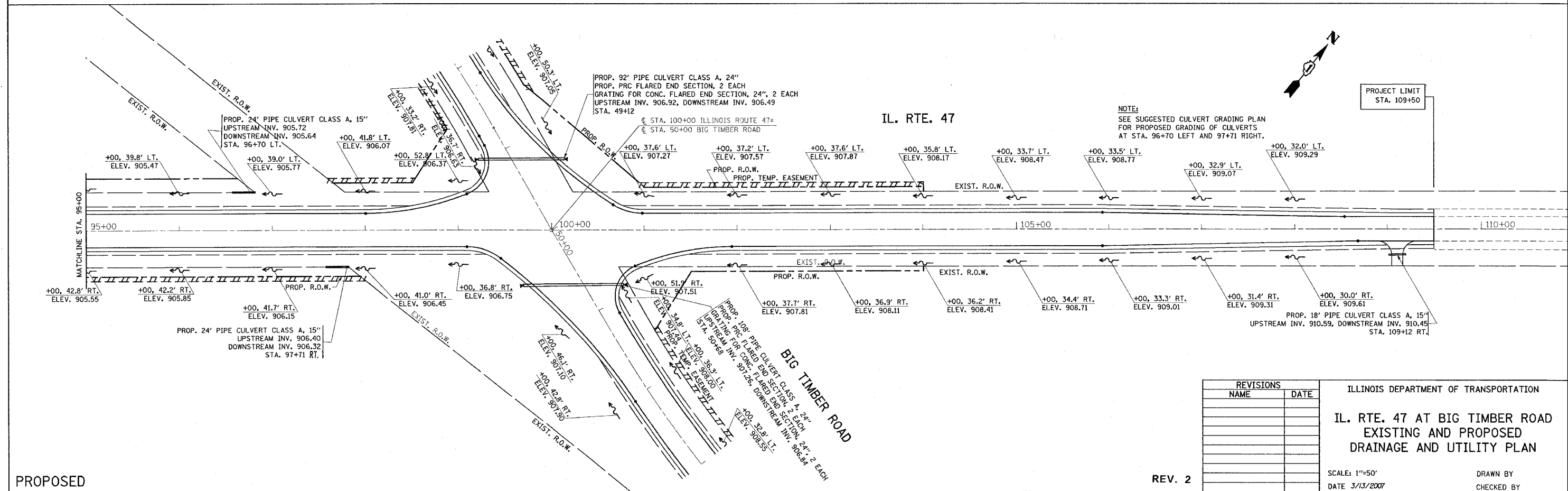
DRAWN BY
 CHECKED BY

PROPOSED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	19
STA. 109+00		TO STA. 109+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL. RTE. 47 AT BIG TIMBER ROAD
 EXISTING AND PROPOSED
 DRAINAGE AND UTILITY PLAN

SCALE: 1"=50'
 DATE 3/13/2007

DRAWN BY
 CHECKED BY

REV. 2

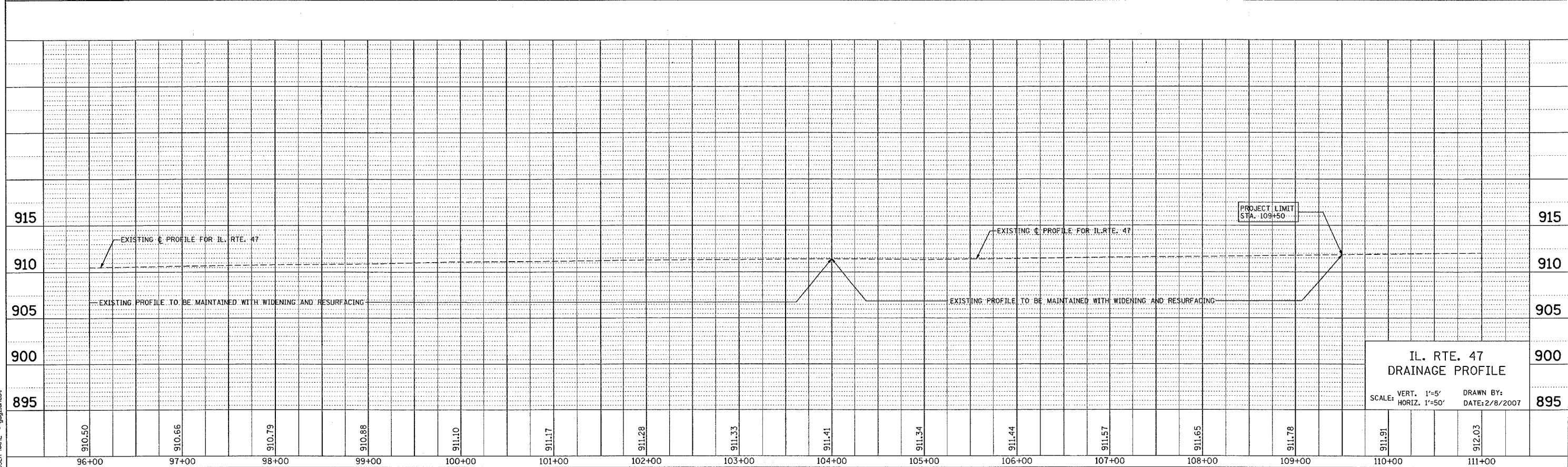
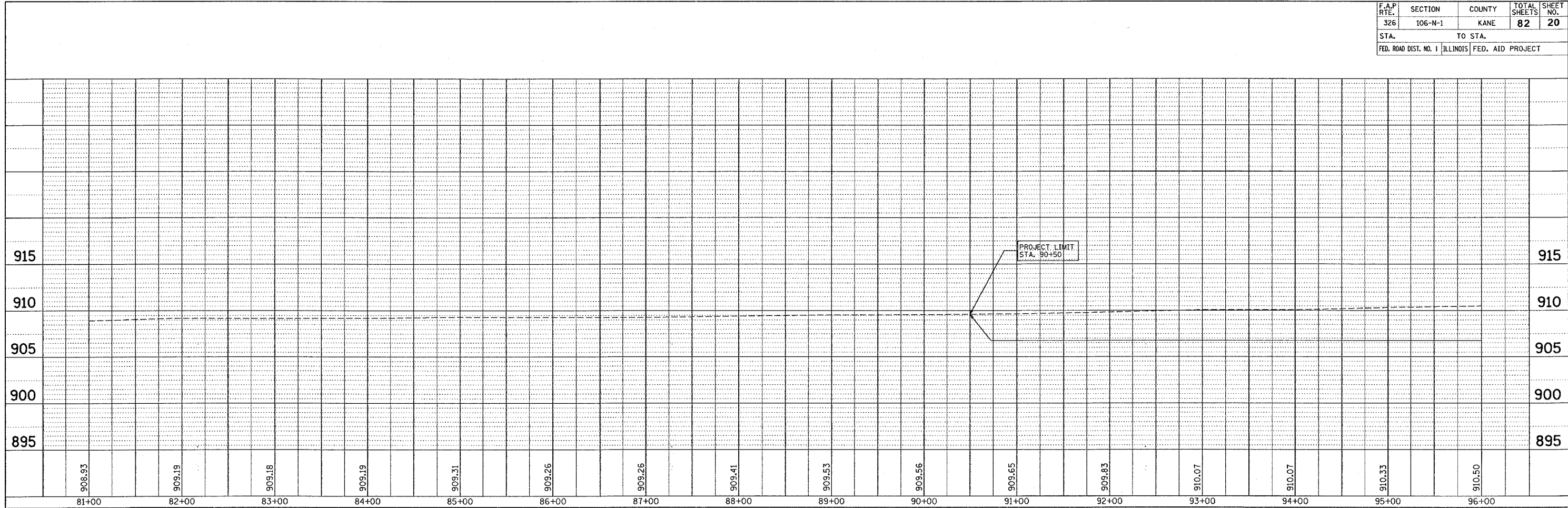
PLOT DATE = 3/13/2007
 FILE NAME = c:\p\projects\62843\eh.dwg
 PLOT SCALE = 50.000 / 1"=50'
 USER NAME = jrh@nd

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	20
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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

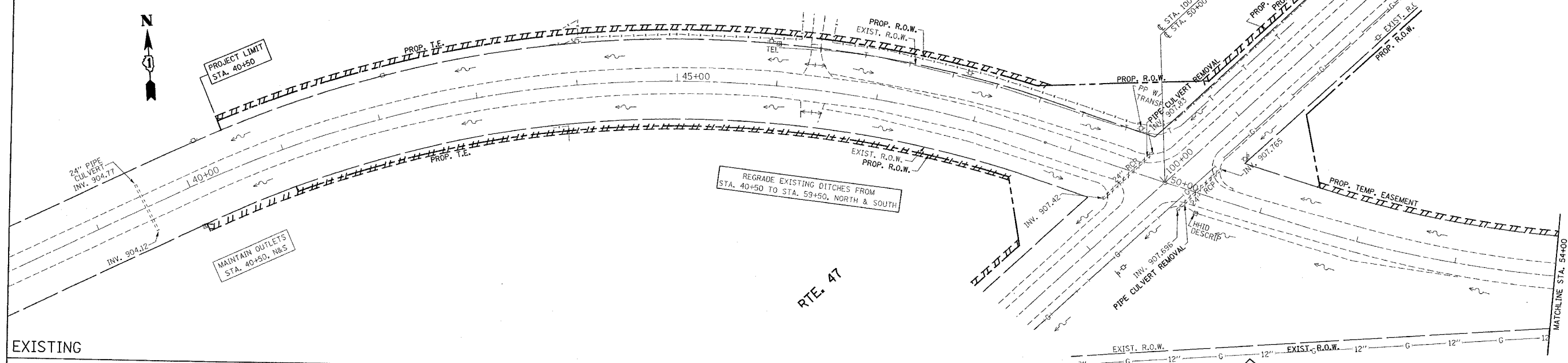
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 GRADES CHECKED
 NOTE BOOK NO. DATE FILE NAME

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 SCALE = 1"=50'
 USER NAME = gplumbers



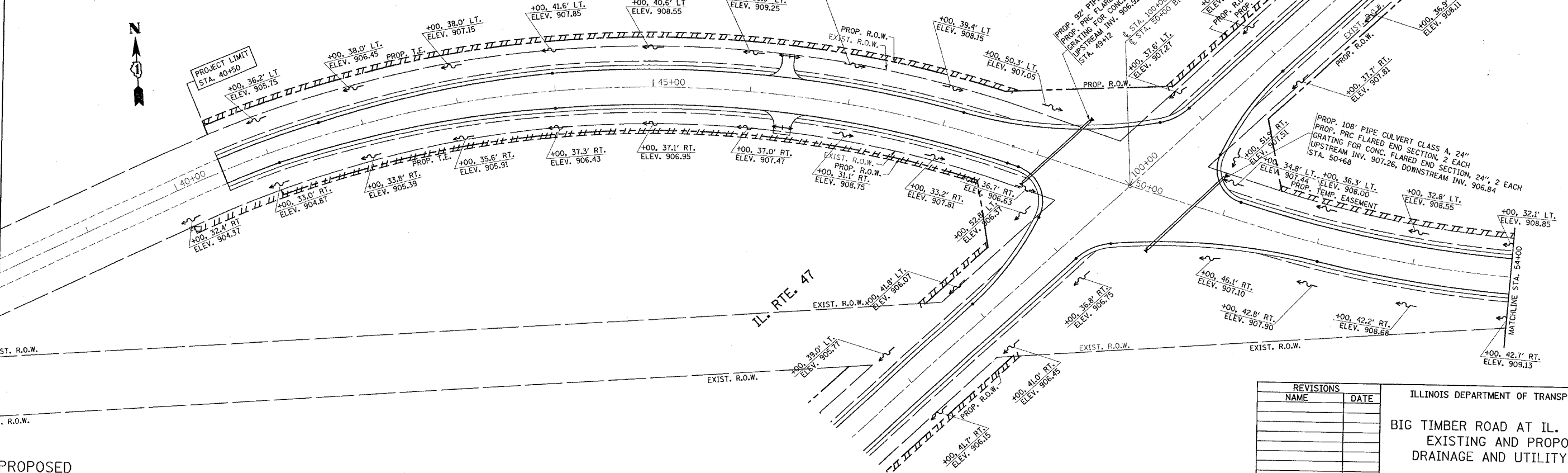
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	21
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

BIG TIMBER ROAD



EXISTING

BIG TIMBER ROAD



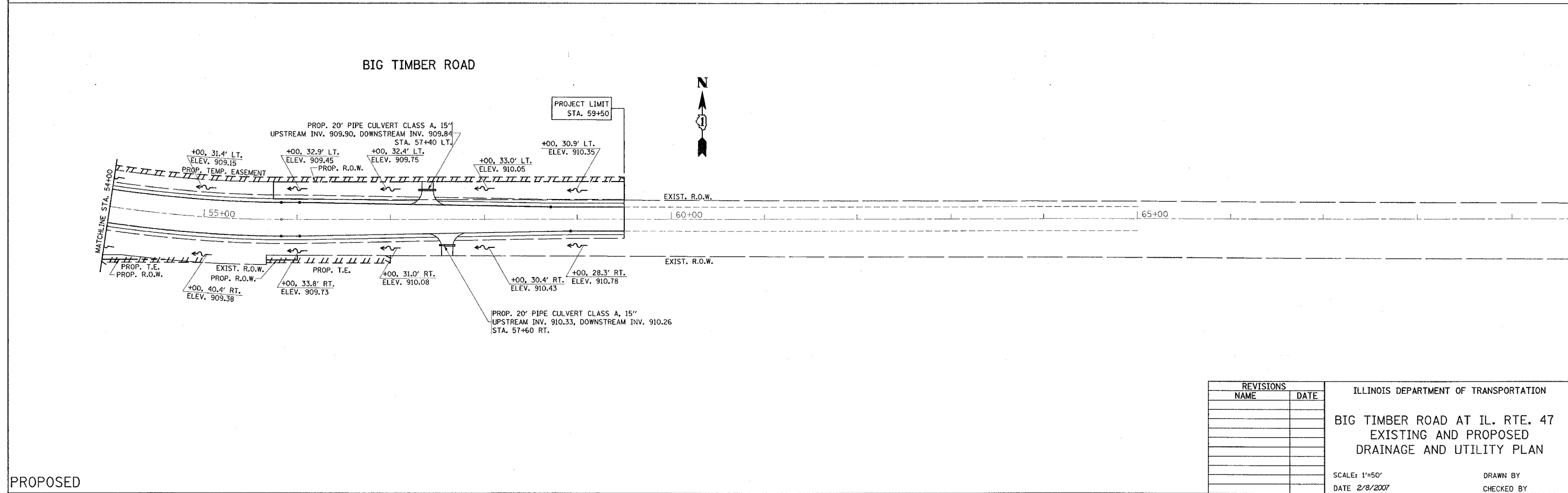
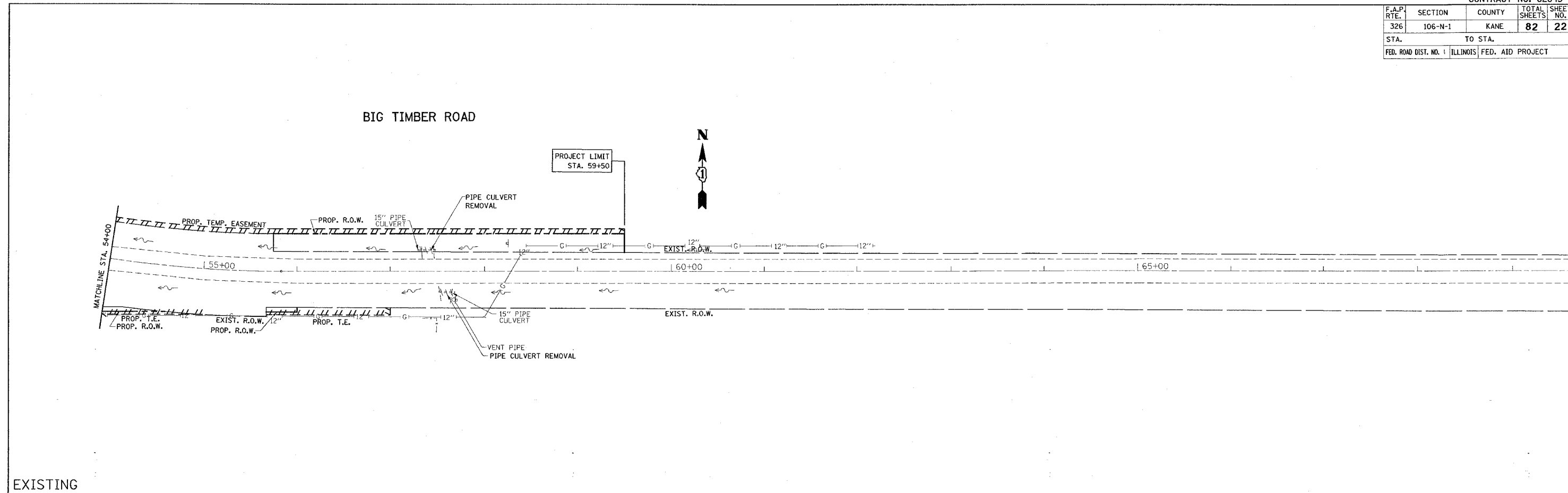
PROPOSED

PLOT DATE = 2/8/2007
 PLOT SCALE = 60' = 1" (AS SHOWN)
 USER NAME = gregjordan

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BIG TIMBER ROAD AT IL. RTE. 47
 EXISTING AND PROPOSED
 DRAINAGE AND UTILITY PLAN
 SCALE: 1"=50'
 DATE 2/8/2007
 DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	22
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



PLOT DATE = 2/8/2007
 FILE NAME = c:\p\c\mca\1108083\ah_drain.dgn
 PLOT SCALE = 80.0000 / 1" = 50'
 USER NAME = gpatton001

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

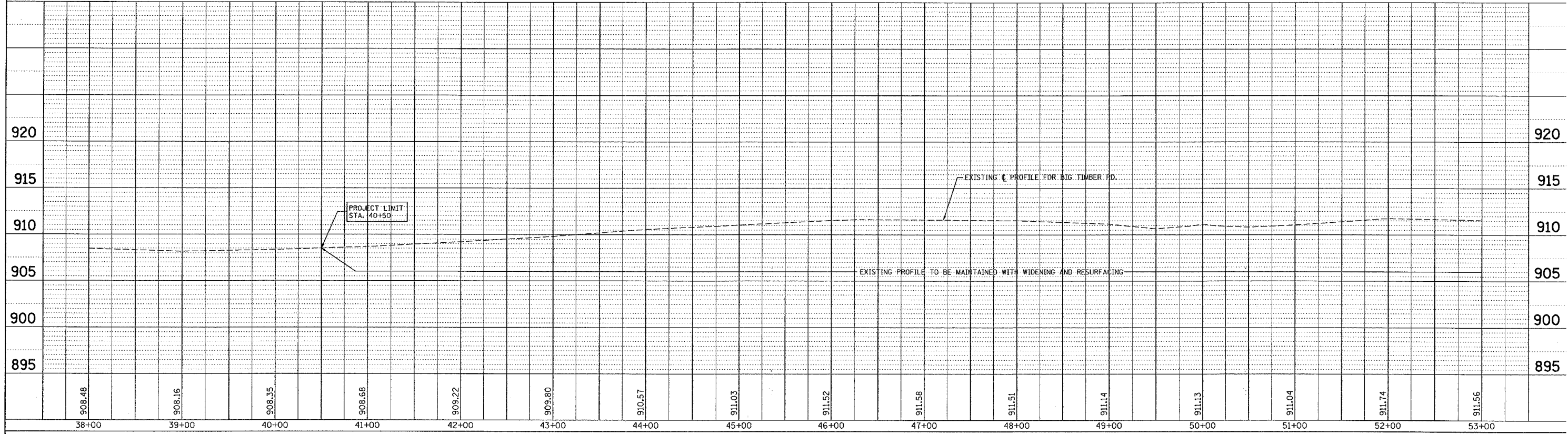
BIG TIMBER ROAD AT IL. RTE. 47
 EXISTING AND PROPOSED
 DRAINAGE AND UTILITY PLAN

SCALE: 1"=50'
 DATE 2/8/2007

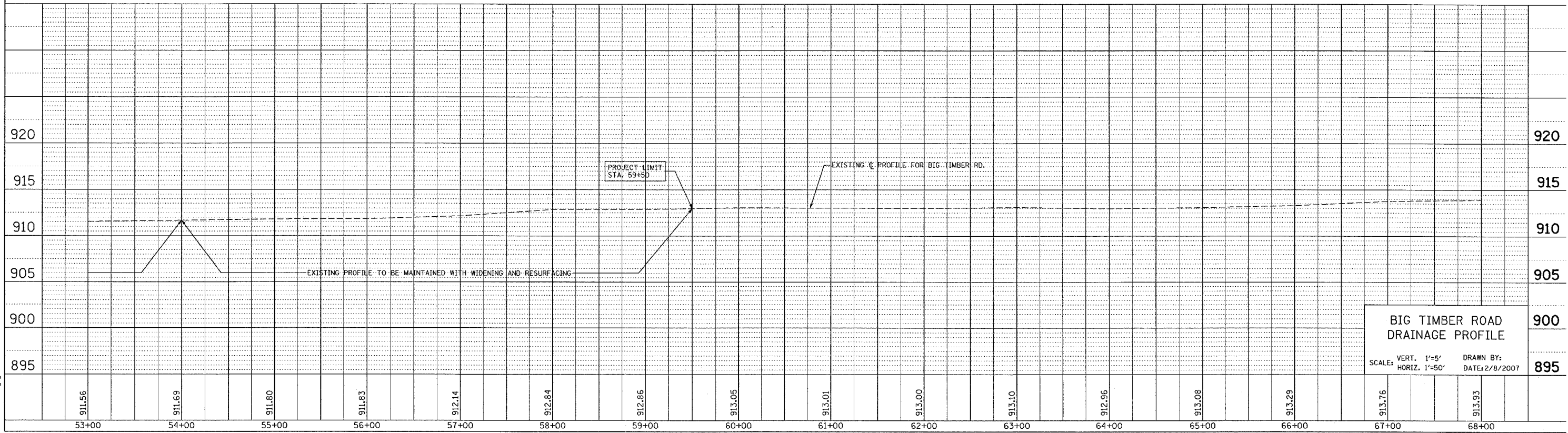
DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	23
STA. 908.48		TO STA. 911.56		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN
 SURVEYED BY DATE
 NOTE BOOK NO.
 ALIGNMENT CHECKED
 STRUCTURE NOTATION CHECKED
 CAD FILE NAME



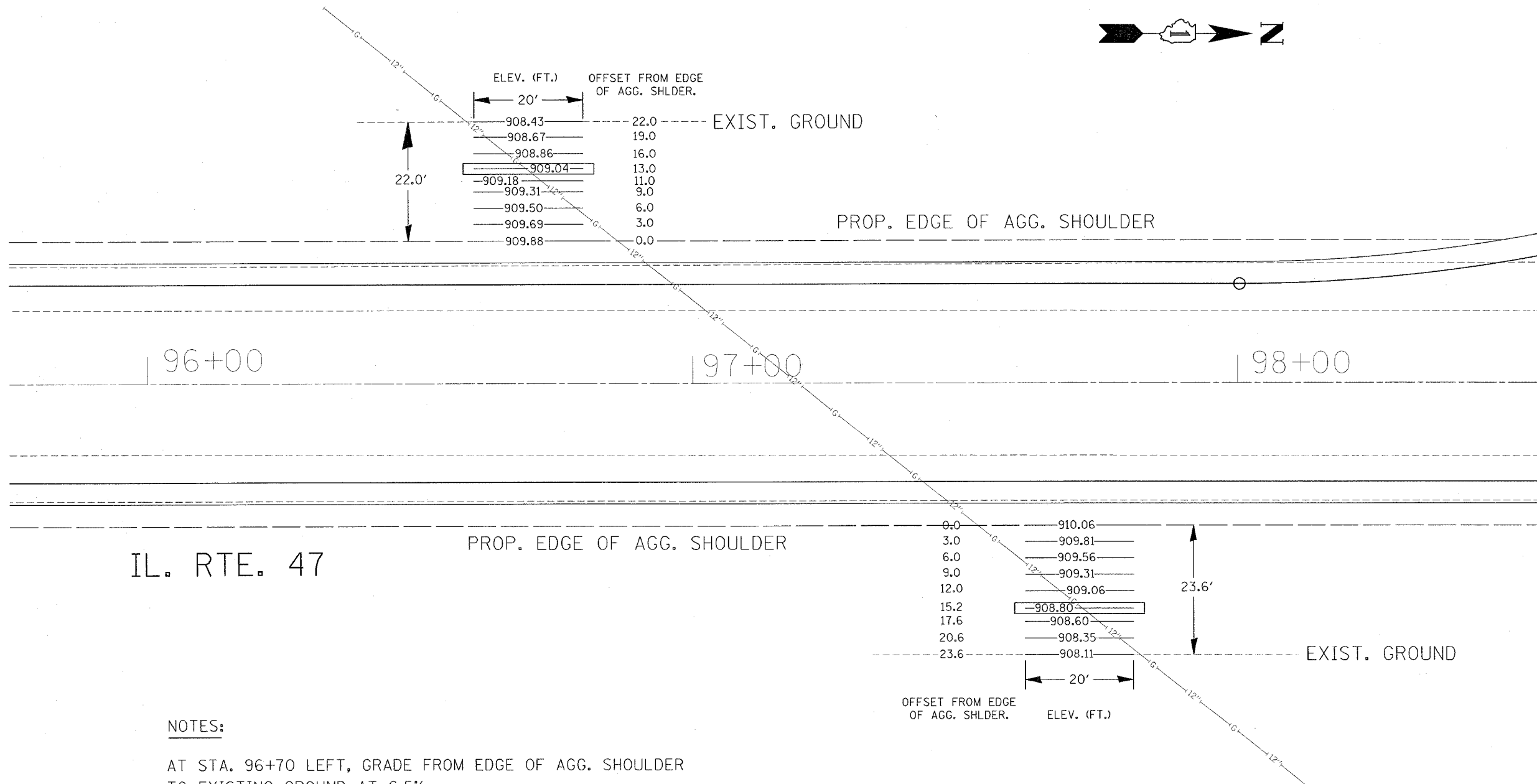
PROFILE
 DRAWN BY DATE
 GRADES CHECKED
 PLOTTED
 STRUCTURE NOTATION CHECKED
 NO.



PLOT DATE = 2/6/2007
 PLOT SCALE = 1" = 50'
 USER NAME = geshamot

BIG TIMBER ROAD DRAINAGE PROFILE
 SCALE: VERT. 1"=5' HORIZ. 1"=50'
 DRAWN BY: DATE: 2/8/2007

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	23A
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



IL. RTE. 47

NOTES:

AT STA. 96+70 LEFT, GRADE FROM EDGE OF AGG. SHOULDER TO EXISTING GROUND AT 6.5%.

AT STA. 97+71 RIGHT, GRADE FROM EDGE OF AGG. SHOULDER TO EXISTING GROUND AT 8.3%.

PROPOSED ELEVATIONS SHOULD ACCOUNT FOR PLACEMENT OF TOPSOIL.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL 47 AT BIG TIMBER RD.
 SUGGESTED CULVERT GRADING PLAN**

REV. 2

SCALE: 1"=10'
 DATE

DRAWN BY
 CHECKED BY

- ### LEGEND
- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT-OF-WAY LINE
 - PROPOSED RIGHT-OF-WAY LINE
 - PROPOSED EASEMENT
 - 129.32' MEASURED DIMENSION
 - 129.32' (COMP) COMPUTED DIMENSION
 - (129.32') RECORD DATA
 - EXISTING BUILDING
 - IRON PIPE OR ROD FOUND
 - ⊕ P.K. NAIL FOUND OR SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - 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 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 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
32+62.27	0.00'	1982809.7359 N, 952207.4610 E
37+08.08	0.00'	1982893.5703 N, 952642.6535 E
39+96.86	0.00'	1983000.1597 N, 952911.0458 E
40+00.00	39.99' RT.	1982964.1075 N, 952928.6253 E
40+00.00	48.00' RT.	1982956.6560 N, 952931.5612 E
40+50	40.19' LT.	1983056.6242 N, 952947.7647 E
40+50	50.00' LT.	1983065.9004 N, 952944.5656 E
40+50	55.00' LT.	1983070.6272 N, 952942.9355 E
41+00	39.65' RT.	1982995.8958 N, 953019.7685 E
41+00	45.00' RT.	1982990.7713 N, 953021.2913 E
43+87.60	48.00' RT.	1983032.9328 N, 953293.3899 E
43+87.74	45.00' RT.	1983035.9354 N, 953293.3963 E
43+91.58	50.00' LT.	1983131.0133 N, 953293.5974 E
43+91.77	55.00' LT.	1983136.0170 N, 953293.6080 E

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	1105.92'	278.19'	277.46'	S 80°28'49" W
2	1111.64'	276.54'	275.83'	N 80°34'33" E
3	1185.92'	353.22'	351.91'	S 79°19'07" W
4	1206.64'	356.35'	355.05'	N 79°25'58" E
5	1108.64'	371.52'	369.78'	S 78°05'45" W
6	1105.92'	96.56'	96.53'	N 70°46'21" E
7	1211.64'	358.02'	356.72'	N 79°26'15" E
8	1185.92'	145.66'	145.57'	S 71°24'20" W
9	1185.92'	301.11'	300.30'	N 82°11'53" E
10	1105.92'	98.77'	98.74'	S 70°42'55" W
11	1105.92'	416.73'	414.27'	N 78°38'57" E

Coordinates and bearings hereon are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations at N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions

LINE LEGEND

LINE	BEARING	DISTANCE
A	S 16°33'03" E	5.35'
B	N 0°07'16" E	5.85'
C	N 19°01'39" W	9.81'
D	S 0°07'16" W	9.16'
E	N 21°30'16" W	8.01'
F	S 0°07'16" W	3.00'
G	N 19°01'39" W	5.00'
H	S 0°07'16" W	5.00'
J	N 0°08'51" W	40.00'
K	S 0°08'15" E	40.00'

CENTER LINE CURVE DATA

DELTA = 43°-34'-49" (RT.)
 RADIUS = 1,156.64
 TANGENT = 462.39'
 ARC LENGTH = 879.76'
 P.C. STATION = (39+94.55) 39+96.86
 P.T. STATION = (48+74.32) 48+76.62

STATE OF ILLINOIS S.S.
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 42 NORTH, RANGE 7 EAST, AND SECTION 20, 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2006

Dominic J. Marchese
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 0335
 MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2006

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

BY	DATE
JK	12-05
DJM	1-06
MADE	
CHECKED	
REVISED	
R.O.W. PLAT	
NOTEBOOK	
NO.	

Marchese and Sons, Inc.
 184-002762
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869

RECEIVED
 FEB 14 2007
 PLATS & LEGALS

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 326 (IL 47)
 SECTION : AT BIG TIMBER ROAD KANE COUNTY
 PROJECT : JOB NO.: R-91-011-05
 STATION : 32+62.27 TO STATION : 43+91.77
 SCALE : 1 INCH = 40 FEET SHEET : 1 of 6

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	EASEMENT ACRES	REMAINDER ACRES
1FU0001-A	Richard J. Milne, as Trustee of the Richard J. Milne Declaration of Trust dated January 4, 1991, as to an undivided 33% interest; Gordon Gladstone and Julie Gladstone, husband and wife as joint tenants, as to an undivided 4.75% interest; John Milne, as to an undivided 3.8% interest; Dawn Milne, as to an undivided 3.8% interest; John F. Holdo, as to an undivided 2.85% interest and Acres-Big Timber, L.L.C., an Illinois limited liability company, as to an undivided 51.8% interest	02 - 17 - 300 - 002	38.088 *	0.036	N/A	37.975
1FU0001-B				0.077	N/A	
1FU0001E-1				N/A	0.037	
1FU0001E-2				N/A	0.041	

* PARCEL 1FU0001 CONTIGUOUS PROPERTY TAX NO. 020-18-400-002 APPROXIMATELY 40 ACRES +/- NOT INCLUDED

CENTER LINE CURVE DATA

DELTA = 21°-30'-45" (21°-23'-41")
 RADIUS = 1,187.36
 TANGENT = 225.56 (224.30)
 ARC LENGTH = 445.81 (443.37)
 P.C. STATION = 32+62.27 (32+69.60)
 P.T. STATION = 37+08.08 (37+12.97)

RAILROAD SPIKE FOUND AT THE SOUTHWEST CORNER OF SECTION 17-T42N-R7E. MONUMENT RECORD FILED APRIL 30, 1991 AS DOCUMENT NO. 91K20816. 1982809.1280 N - 951971.2500 E

EXISTING RIGHT-OF-WAY LINE ACCORDING TO THAT PART TAKEN IN CONDEMNATION PROCEEDING IN CASE NO. 66C13794

EXISTING RIGHT-OF-WAY LINE ACCORDING TO THAT PART TAKEN IN CONDEMNATION PROCEEDINGS IN CASE NO. 66C13794

SOUTHEAST CORNER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 17-T42N-R7E

S. LINE OF THE SW. 1/4 OF SEC. 17-T42N-R7E

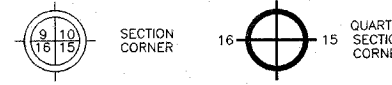
N. LINE OF THE NW. 1/4 OF SECTION 20-T42N-R7E

E. LINE OF THE SW. 1/4 OF THE SW. 1/4 OF SEC. 17-T42N-R7E
 N 0°-07'-16" E 1007.56'
 998.40'
 W. LINE OF THE EAST 1/2 OF THE SW. 1/4 OF SEC. 17-T42N-R7E
 STA. 43+91.58
 50.00' LT.
 P.O.B. FOR PARCEL 1FU0001E-2

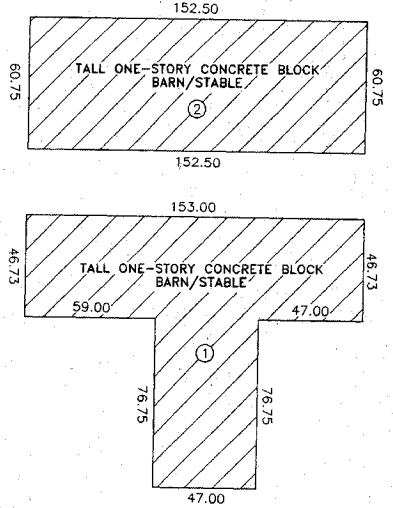
N 0°-07'-16" E 309.32'
 223.41'
 STA. 43+87.60
 48.00' RT.
 N 0°-07'-16" E 229.26'
 STA. 43+87.74
 45.00' RT.

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- 129.32' (COMP)
- (129.32')
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING



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



BUILDING LEGEND	
1	TALL, ONE STORY CONCRETE BLOCK BARN / STABLE
2	TALL, ONE STORY CONCRETE BLOCK BARN / STABLE

COORDINATE SCHEDULE		
STATION	OFFSET	COORDINATES
43+91.77	55.00' LT.	1983136.0170 N, 953293.6080 E
43+91.58	50.00' LT.	1983131.0133 N, 953293.5974 E
48+50.00	50.00' LT.	1983054.6648 N, 953777.5335 E
48+89.62	55.00' LT.	1983054.2459 N, 953777.6192 E
48+76.62	00.00'	1982998.2097 N, 953769.7478 E
50+00.00	00.00'	1982952.1504 N, 953884.2071 E
100+94.13	50.00' LT.	1983050.1198 N, 953926.1939 E
101+00.0	45.00' LT.	1983049.9057 N, 953933.9029 E
51+40.12	00.00'	1982902.5705 N, 954015.2633 E
104+00.00	50.00' LT.	1983241.8869 N, 954164.4852 E
104+00.0	45.00' LT.	1983237.9916 N, 954167.6200 E
104+00.0	40.00' LT.	1983234.0963 N, 954170.7548 E

Coordinates and bearings hereon are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations of N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING	AREA TAKEN	PREVIOUSLY DEDICATED	EASEMENT	REMAINDER
			ACRES	ACRES	ACRES	ACRES	ACRES
1FU0002				1.109	0.848	N/A	
1FU0002E-1	Sherman Health Systems	02 - 17 - 300 - 008	69.079	N/A	N/A	0.056	67.970
1FU0002E-2				N/A	N/A	0.035	

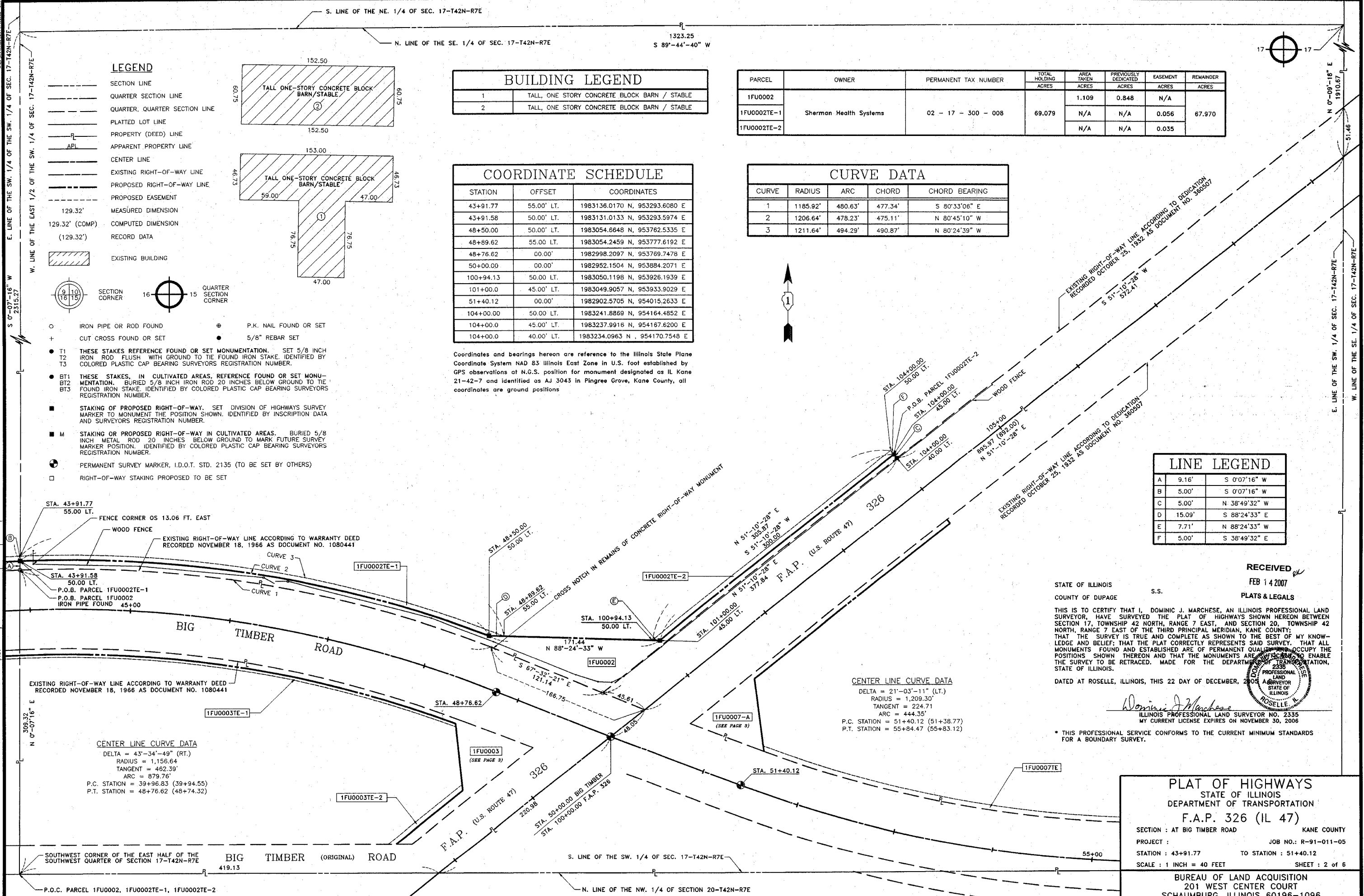
CURVE DATA				
CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	1185.92'	480.63'	477.34'	S 80°33'06" E
2	1206.64'	478.23'	475.11'	N 80°45'10" W
3	1211.64'	494.29'	490.87'	N 80°24'39" W

LINE LEGEND	
A	9.16' S 0°07'16" W
B	5.00' S 0°07'16" W
C	5.00' N 38°49'32" W
D	15.09' S 88°24'33" E
E	7.71' N 88°24'33" W
F	5.00' S 38°49'32" E

Marchese and Sons, Inc.
 NUMBER 184-002762
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, ILL. 60410
 PHONE: (630) 894-5660 FAX: (630) 894-8869

BY	DATE
JTK	12-05
DJM	1-06
DJM	7-06
DJM	2-07

MADE	CHECKED	REVISION



CENTER LINE CURVE DATA
 DELTA = 21°-03'-11" (LT.)
 RADIUS = 1,209.30'
 TANGENT = 224.71
 ARC = 444.35'
 P.C. STATION = 51+40.12 (51+38.77)
 P.T. STATION = 55+84.47 (55+83.12)

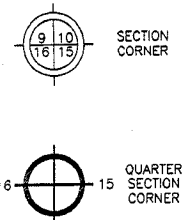
CENTER LINE CURVE DATA
 DELTA = 43°-34'-49" (RT.)
 RADIUS = 1,156.64'
 TANGENT = 462.39'
 ARC = 879.76'
 P.C. STATION = 39+96.83 (39+94.55)
 P.T. STATION = 48+76.62 (48+74.32)

STATE OF ILLINOIS
 COUNTY OF DUPAGE
 RECEIVED FEB 14 2007
 PLATS & LEGALS
 THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 42 NORTH, RANGE 7 EAST, AND SECTION 20, 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2005
 DOMINIC J. MARCHESE
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2335
 MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2006
 * THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 326 (IL 47)
 SECTION : AT BIG TIMBER ROAD KANE COUNTY
 PROJECT : JOB NO.: R-91-011-05
 STATION : 43+91.77 TO STATION : 51+40.12
 SCALE : 1 INCH = 40 FEET SHEET : 2 OF 6
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096

LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S 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 SURVEYOR'S REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET



COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
43+87.74	45.00' RT.	1983035.9354 N, 953293.3963 E
43+87.60	48.00' RT.	1983032.9328 N, 953293.3899 E
48+76.82	00.00'	1982998.2097 N, 953769.7478 E
48+50.00	45.00' RT.	1982965.7400 N, 953729.1062 E
48+51.55	48.00' RT.	1982962.4083 N, 953729.4407 E
98+53.26	55.00' LT.	1982902.9985 N, 953735.4048 E
98+50.00	50.00' LT.	1982897.0603 N, 953736.0009 E
97+64.57	50.00' LT.	1982843.4986 N, 953669.4448 E
50+00.00	00.00'	1982952.1504 N, 953884.2071 E
101+50.00	45.00' RT.	1983011.1382 N, 954029.2815 E
51+47.29	45.49 LT.	1982942.6954 N, 954037.8241 E
51+50	40.46' LT.	1982937.0710 N, 954038.5261 E
51+40.12	00.00'	1982902.5705 N, 954015.2633 E
104+00	40.00' RT.	1983171.7718 N, 954220.9110 E
104+00	45.00' RT.	1983167.8765 N, 954224.0458 E
55+74.25	44.90 LT.	1982869.2267 N, 954440.0449 E
55+74.25	39.90' LT.	1982864.2268 N, 954440.0755 E
57+49.33	45.00' LT.	1982870.2949 N, 954614.7402 E
57+49.29	40.00' LT.	1982865.2949 N, 954614.7266 E

Coordinates and bearings herein are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations at N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions

LINE LEGEND

LINE	BEARING	DISTANCE
A	N 68°49'32" W	46.19'
B	N 68°49'32" W	74.72'
C	S 0°07'16" W	5.85'
D	S 51°10'28" W	85.43'
E	N 89°51'09" E	16.00'
F	S 05°43'58" E	69.03'
G	N 51°10'28" E	94.94'
H	S 05°43'58" E	3.35'
J	N 0°07'16" E	3.00'
K	S 05°43'58" E	5.97'
L	S 89°51'09" W	8.00'
M	N 07°06'52" W	5.67'
N	S 0°09'18" W	5.00'
P	N 0°09'18" E	49.36'
Q	S 0°21'01" E	40.00'
R	S 89°38'59" W	7.73'
S	S 0°08'51" E	8.72'
T	N 68°51'00" W	74.57'
U	S 38°49'32" E	5.00'
V	S 07°06'52" E	74.64'
W	S 51°10'28" W	48.00'
X	N 89°51'09" E	64.01'

STATE OF ILLINOIS COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 42 NORTH, RANGE 7 EAST, AND SECTION 20, 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2005 A.D.

Dominic Marchese
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2335
MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2008

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



CENTER LINE CURVE DATA

DELTA = 43°-34'-49" (RT.)
RADIUS = 1,156.64
TANGENT = 462.39'
ARC = 879.76'
P.C. STATION = 39+96.83 (39+94.55)
P.T. STATION = 48+76.62 (48+74.32)

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	1105.92'	452.72'	449.57'	N 80°33'11" W
2	1111.64'	444.28'	441.33'	S 80°50'53" E
3	1105.92'	415.00'	412.57'	N 79°36'01" W
4	1105.92'	4.55'	4.55'	N 68°58'04" W
5	1108.64'	444.69'	441.72'	N 80°48'46" W
6	1105.92'	410.46'	408.10'	N 79°43'04" W
7	1100.92'	411.26'	408.88'	S 79°38'55" E

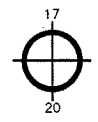
CENTER LINE CURVE DATA

DELTA = 21°-03'-11" (LT.)
RADIUS = 1,209.30'
TANGENT = 224.71
ARC = 444.35'
P.C. STATION = 51+40.12 (51+38.77)
P.T. STATION = 55+84.47 (55+83.12)

DATE	BY	REVISION
12-20-05	DM	1
12-06-06	DM	2
07-06-06	DM	3

Marchese and Sons, Inc.
land - marine - construction surveys
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE: (630) 894-5660 FAX: (630) 894-8869

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES
1FU0003			2.281	0.322	0.175	N/A	1.959
1FU0003TE-1	John D. Vinci and Cynthia M. Vinci husband and wife as joint tenants	02 - 17 - 300 - 009		N/A	N/A	0.031	N/A
1FU0003TE-2			2.281	N/A	N/A	0.010	N/A
1FU0007-A				0.887	0.794	N/A	4.968
1FU0007-B	John D. Vinci and Cynthia M. Vinci husband and wife as joint tenants	02 - 17 - 300 - 009	6.053	0.198	0.122	N/A	
1FU0007TE				N/A	N/A	0.067	N/A



RECEIVED JUL 20 2006 PLATS & LEGALS

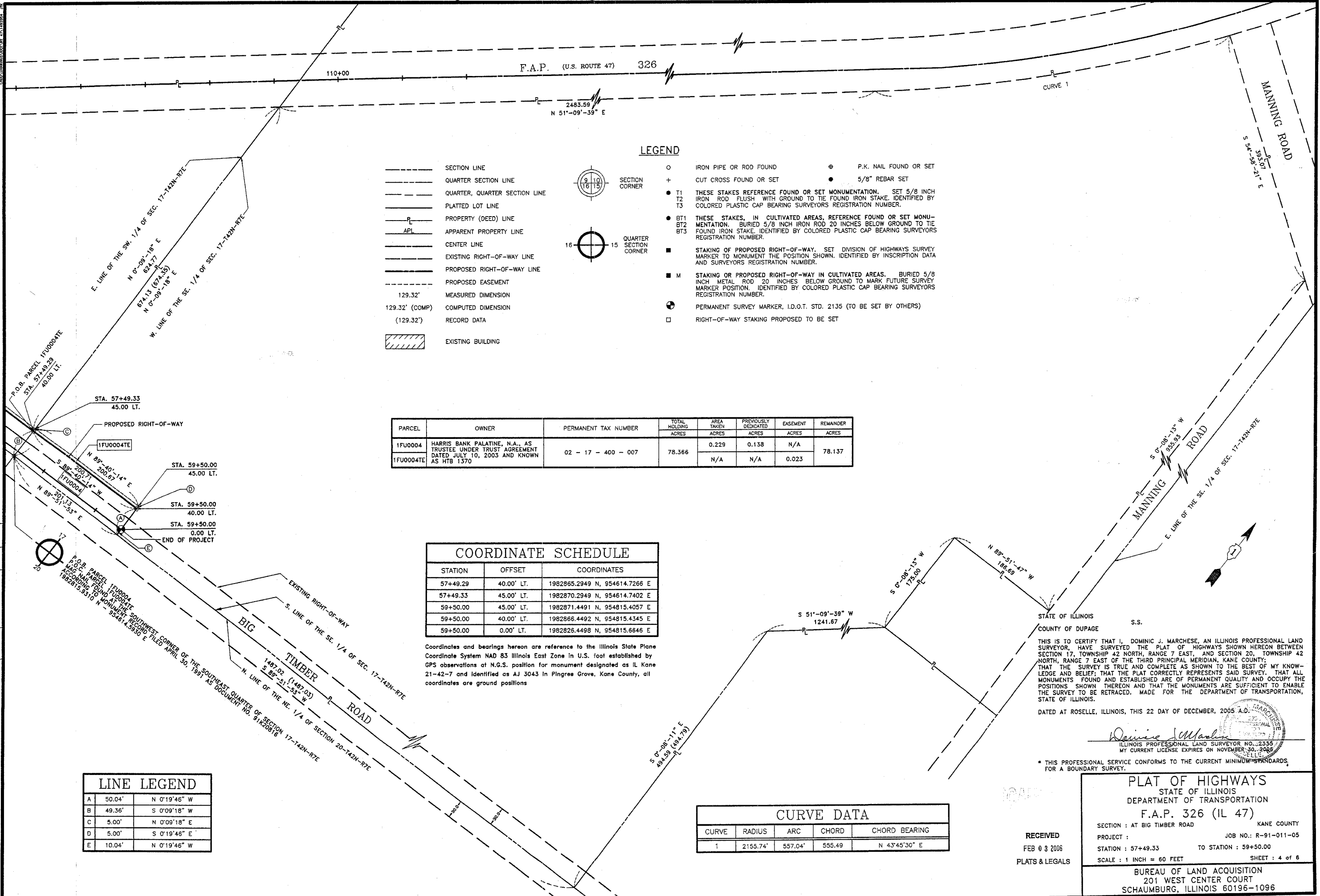
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 326 (IL 47)
SECTION : AT BIG TIMBER ROAD
PROJECT :
STATION : 43+87.74 TO STATION : 57+49.29
SCALE : 1 INCH = 40 FEET
SHEET : 3 of 6
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
AS DOCUMENT NO.

E. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E
W. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E

E. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E
W. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E

N. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E
S. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E

N. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E
S. LINE OF THE SW. 1/4 OF SEC. 17-142N-R7E



LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- - - APL APPARENT PROPERTY LINE
- CENTER LINE
- - - EXISTING RIGHT-OF-WAY LINE
- - - PROPOSED RIGHT-OF-WAY LINE
- - - PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORD DATA
- [Hatched Box] EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES
1FU0004	HARRIS BANK PALATINE, N.A., AS TRUSTEE UNDER TRUST AGREEMENT DATED JULY 10, 2003 AND KNOWN AS HTB 1370	02 - 17 - 400 - 007	78.366	0.229	0.138	N/A	78.137
1FU0004TE				N/A	N/A	0.023	

COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
57+49.29	40.00' LT.	1982865.2949 N, 954614.7266 E
57+49.33	45.00' LT.	1982870.2949 N, 954614.7402 E
59+50.00	45.00' LT.	1982871.4491 N, 954815.4057 E
59+50.00	40.00' LT.	1982866.4492 N, 954815.4345 E
59+50.00	0.00' LT.	1982826.4498 N, 954815.6646 E

Coordinates and bearings hereon are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations at N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions

CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	2155.74'	557.04'	555.49	N 43°45'30" E

LINE LEGEND

A	50.04'	N 0°19'46" W
B	49.36'	S 0°09'18" W
C	5.00'	N 0°09'18" E
D	5.00'	S 0°19'46" E
E	10.04'	N 0°19'46" W

BY	DATE
JJK	12-05
DJM	1-06
MADE	
CHECKED	
REVISED	
NOTEBOOK	
R.O.W. PLAT	
NO.	

Marchese and Sons, Inc.
 NUMBER 184-002782
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869

STATE OF ILLINOIS
 COUNTY OF DUPAGE
 S.S.
 THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 42 NORTH, RANGE 7 EAST, AND SECTION 20, 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2005 A.D.
 [Signature]
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2335
 MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2008
 * THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS, FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 326 (IL 47)
 SECTION : AT BIG TIMBER ROAD KANE COUNTY
 PROJECT : JOB NO.: R-91-011-05
 STATION : 57+49.33 TO STATION : 59+50.00
 SCALE : 1 INCH = 60 FEET SHEET : 4 of 6
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

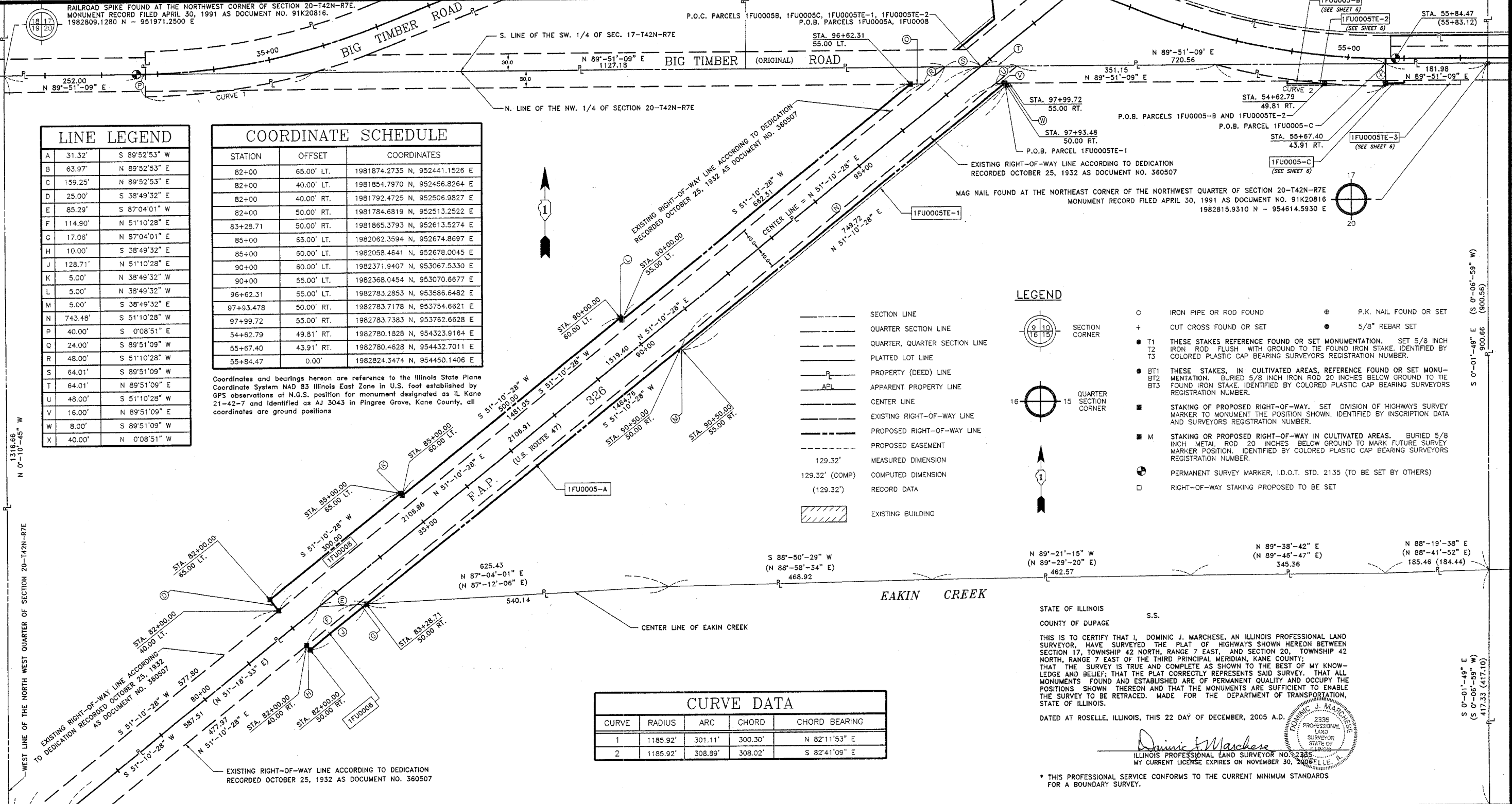
RAILROAD SPIKE FOUND AT THE NORTHWEST CORNER OF SECTION 20-T42N-R7E. MONUMENT RECORD FILED APRIL 30, 1991 AS DOCUMENT NO. 91K20816. 1982809.1280 N - 951971.2500 E

P.O.C. PARCELS 1FU0005B, 1FU0005C, 1FU0005E-1, 1FU0005E-2
P.O.B. PARCELS 1FU0005A, 1FU0005

LINE LEGEND	
A	31.32' S 89°52'53" W
B	63.97' N 89°52'53" E
C	159.25' N 89°52'53" E
D	25.00' S 38°49'32" E
E	65.29' S 87°04'01" W
F	114.90' N 51°10'28" E
G	17.06' N 87°04'01" E
H	10.00' S 38°49'32" E
J	128.71' N 51°10'28" E
K	5.00' N 38°49'32" W
L	5.00' N 38°49'32" W
M	5.00' S 38°49'32" E
N	743.48' S 51°10'28" W
P	40.00' S 0°08'51" E
Q	24.00' S 89°51'09" W
R	48.00' S 51°10'28" W
S	64.01' S 89°51'09" W
T	64.01' N 89°51'09" E
U	48.00' S 51°10'28" W
V	16.00' N 89°51'09" E
W	8.00' S 89°51'09" W
X	40.00' N 0°08'51" W

COORDINATE SCHEDULE		
STATION	OFFSET	COORDINATES
82+00	65.00' LT.	1981874.2735 N, 952441.1526 E
82+00	40.00' LT.	1981854.7970 N, 952456.8264 E
82+00	40.00' RT.	1981792.4725 N, 952506.9827 E
82+00	50.00' RT.	1981784.6819 N, 952513.2522 E
83+28.71	50.00' RT.	1981865.3793 N, 952613.5274 E
85+00	65.00' LT.	1982062.3594 N, 952674.8697 E
85+00	60.00' LT.	1982058.4641 N, 952678.0045 E
90+00	60.00' LT.	1982371.9407 N, 953067.5330 E
90+00	55.00' LT.	1982368.0454 N, 953070.6677 E
96+62.31	55.00' LT.	1982783.2853 N, 953586.6482 E
97+93.478	50.00' RT.	1982783.7178 N, 953754.6621 E
97+99.72	55.00' RT.	1982783.7383 N, 953762.6628 E
54+62.79	49.81' RT.	1982780.4628 N, 954323.9164 E
55+67.40	43.91' RT.	1982780.4628 N, 954323.9164 E
55+84.47	0.00'	1982824.3474 N, 954450.1406 E

Coordinates and bearings herein are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations at N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

CURVE DATA				
CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	1185.92'	301.11'	300.30'	N 82°11'53" E
2	1185.92'	308.89'	308.02'	S 82°41'09" E

STATE OF ILLINOIS
COUNTY OF DUPAGE

S.S.

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 42 NORTH, RANGE 7 EAST, AND SECTION 20, 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2005 A.D.

Dominic J. Marchese
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2335
MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2008

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

Marchese and Sons, Inc.
land - marine - construction surveys
184-00282
10 MONACO DRIVE, ROSELLE, IL 60172
PHONE : (630) 894-5660 FAX : (630) 894-8869

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING	AREA TAKEN	PREVIOUSLY DEDICATED	EASEMENT	REMAINDER
			ACRES	ACRES	ACRES	ACRES	ACRES
1FU0008	Richard J. Milne, as Trustee of the Richard J. Milne Declaration of Trust dated January 4, 1991, as to an undivided 33% interest;	02 - 20 - 100 - 008	30.831	2.568	1.935	N/A	25.002
1FU0005-A	Gordon Gladstone and Julie Gladstone, husband and wife as joint tenants, as to an undivided 4.75% interest;	02 - 20 - 100 - 008		1.729	1.393	N/A	28.967
1FU0005-B	John Milne, as to an undivided 3.8% interest; Dawn Milne, as to an undivided 3.8% interest;			0.005	N/A	N/A	
1FU0005-C	John F. Holdo, as to an undivided 2.85% interest and Acres-Big Timber, L.L.C., an Illinois limited liability company, as to an undivided 51.8% interest			0.130	N/A	N/A	
1FU0005E-1				N/A	N/A	0.086	
1FU0005E-2				N/A	N/A	0.006	
1FU0005E-3			N/A	N/A	0.021		
1FU0006	Dianne Goebbert as Trustee of the Diane Goebbert Trust dated December 14, 1995 as to an undivided 50% interest and Terry Goebbert as Trustee of the Terry Goebbert Trust dated December 21, 1995 as to an undivided 50% interest	02 - 20 - 100 - 009	21.119	0.570	0.542	N/A	20.549

RECEIVED
JUL 31 2006
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 326 (IL 47)

SECTION : AT BIG TIMBER ROAD KANE COUNTY
PROJECT : JOB NO.: R-91-011-05
STATION : 82+00.00 TO STATION : 57+00.00
SCALE : 1 INCH = 80 FEET SHEET : 5 of 6

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

AS DOCUMENT NO.

PARCEL	OWNER	PERMANENT TAX NUMBER	TOTAL HOLDING ACRES	AREA TAKEN ACRES	PREVIOUSLY DEDICATED ACRES	EASEMENT ACRES	REMAINDER ACRES
1FU0007-B	John D. Vincil and Cynthia M. Vincil husband and wife as joint tenants	02 - 17 - 300 - 009	6.053	0.198	0.122	N/A	4.968 **
1FU0007TE			N/A	N/A	N/A	0.067	N/A
1FU0005-B	Richard J. Milne, as Trustee of the Richard J. Milne Declaration of Trust dated January 4, 1991, as to an undivided 33% interest; Gordon Gladstone and Julie Gladstone, husband and wife as joint tenants, as to an undivided 4.75% interest; John Milne, as to an undivided 3.8% interest; Dawn Milne, as to an undivided 3.8% interest; John F. Holda, as to an undivided 2.85% interest and Acres-Big Timber, L.L.C., an Illinois limited liability company, as to an undivided 51.8% interest	02 - 20 - 100 - 008	30.831	0.005	N/A	N/A	28.967 *
1FU0005-C				0.130	0.125	N/A	
1FU0005TE-2				N/A	N/A	0.006	
1FU0005TE-3				N/A	N/A	0.021	

* Remainder area includes area taken for Parcel 1FU0005-B = 1.729 (See Sheet 5)
 ** Remainder area includes area taken for Parcel 1FU0007-A = 0.887

CENTER LINE CURVE DATA

DELTA = 21°-03'-11" (LT.)
 RADIUS = 1,209.30'
 TANGENT = 224.71'
 ARC = 444.35'
 P.C. STATION = 51+40.12 (51+38.77)
 P.T. STATION = 55+84.47 (55+83.12)

LINE LEGEND

LINE	BEARING	DISTANCE
B	S 89°51'09" W	20.43'
C	S 08°24'38" W	5.06'
D	N 89°51'09" E	66.08'
E	S 0°19'46" E	5.00'
F	S 89°51'09" W	33.22'
G	N 0°08'51" W	35.00'
H	N 89°51'09" E	33.20'
J	N 0°08'51" W	5.00'
K	S 08°24'38" W	3.03'
L	S 89°51'09" W	48.71'
M	S 0°08'51" W	8.00'
N	N 0°08'51" W	3.00'
P	S 0°09'18" W	5.00'
Q	N 0°09'18" E	49.36'
R	S 0°21'01" E	40.00'
S	S 89°38'59" W	7.73'
T	S 0°08'51" E	8.72'
U	S 0°21'01" E	21.26'
V	N 89°22'43" E	9.82'
W	S 0°01'49" E	30.00'
X	S 0°08'51" E	40.00'

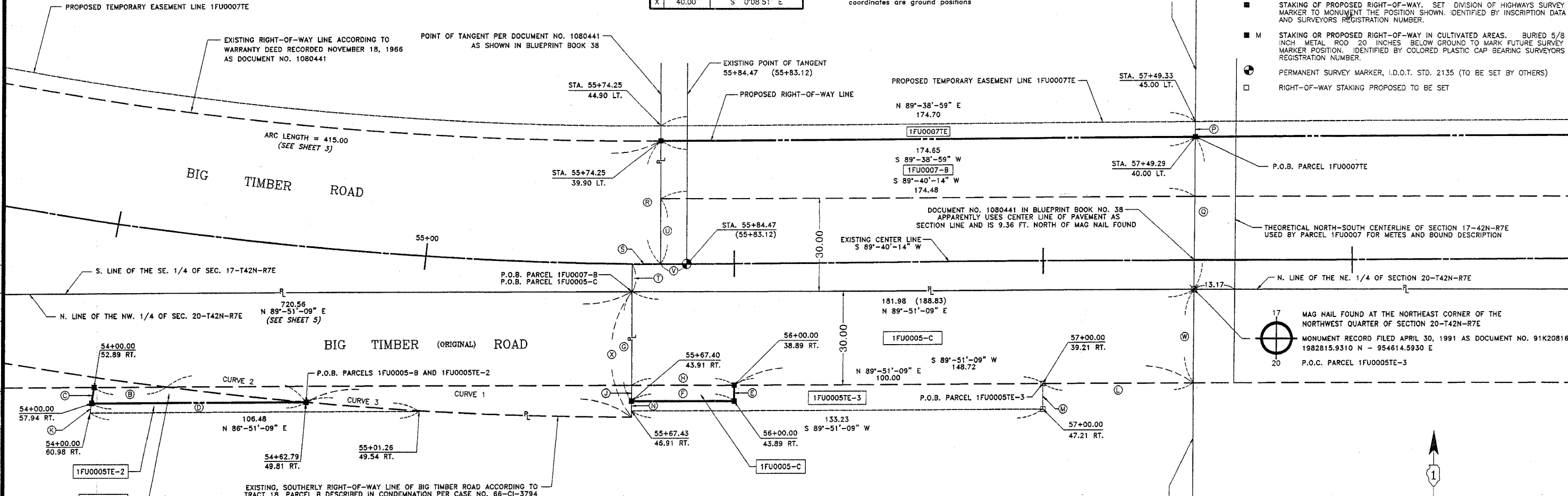
COORDINATE SCHEDULE

STATION	OFFSET	COORDINATES
54+00	52.89' RT.	1982785.0146 N, 954258.5720 E
54+00	57.94' RT.	1982780.0127 N, 954257.8324 E
54+00	60.98' RT.	1982777.0116 N, 954257.3887 E
54+62.79	49.81' RT.	1982780.1828 N, 954323.9164 E
55+01.26	41.54' RT.	1982777.2856 N, 954363.8638 E
55+74.25	44.90' LT.	1982869.2267 N, 954440.0449 E
55+74.25	39.90' LT.	1982864.2268 N, 954440.0755 E
55+67.40	43.91' RT.	1982780.4628 N, 954432.7011 E
55+67.43	46.91' RT.	1982777.4628 N, 954432.7089 E
56+00	43.89' RT.	1982780.5483 N, 954465.9228 E
56+00	38.89' RT.	1982785.5482 N, 954465.8940 E
55+84.47	0.00'	1982824.3474 N, 954450.1406 E
57+00	39.21' LT.	1982785.8056 N, 954565.8942 E
57+00	47.21' RT.	1982777.8057 N, 954565.9402 E
57+49.33	45.00' LT.	1982870.2949 N, 954614.7402 E
57+49.29	40.00' LT.	1982865.2949 N, 954614.7266 E

Coordinates and bearings hereon are reference to the Illinois State Plane Coordinate System NAD 83 Illinois East Zone in U.S. foot established by GPS observations at N.G.S. position for monument designated as IL Kane 21-42-7 and identified as AJ 3043 in Pingree Grove, Kane County, all coordinates are ground positions

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- ⊕ P.K. NAIL FOUND OR SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OR PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET



CURVE DATA

CURVE	RADIUS	ARC	CHORD	CHORD BEARING
1	1185.92'	108.94'	108.90'	N 87°30'57" W
2	1185.92'	45.18'	45.18'	N 83°47'35" W
3	1185.92'	40.05'	40.05'	N 85°51'07" W

STATE OF ILLINOIS S.S.
 COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, DOMINIC J. MARCHESE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 17, TOWNSHIP 47 NORTH, RANGE 7 EAST, AND SECTION 20, TOWNSHIP 47 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 AT ROSELLE, ILLINOIS, THIS 22 DAY OF DECEMBER, 2005 A.D.

Dominic J. Marchese
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2335
 MY CURRENT LICENSE EXPIRES ON NOVEMBER 30, 2006

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



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 326 (IL 47)

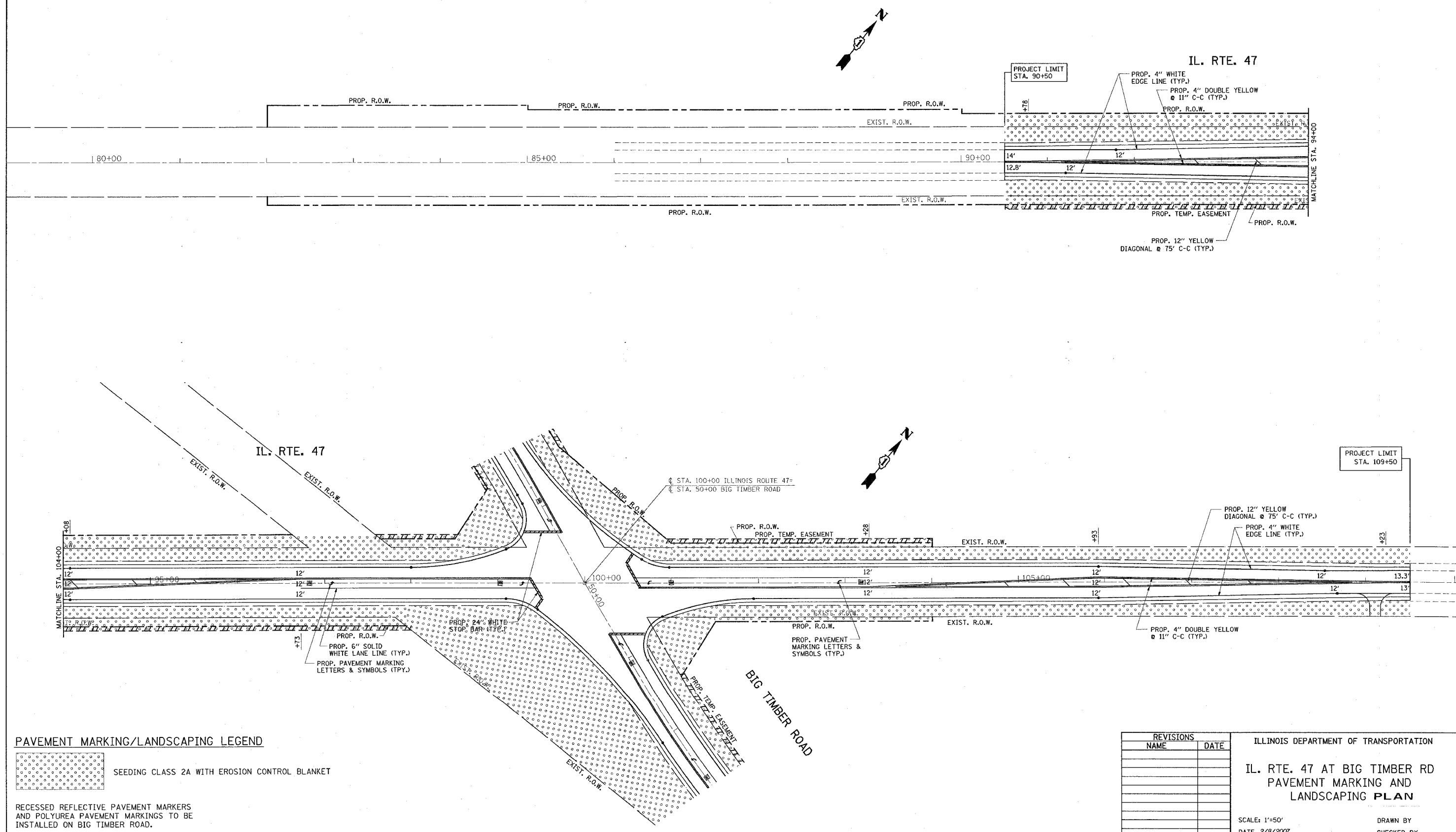
SECTION : AT BIG TIMBER ROAD KANE COUNTY
 PROJECT : JOB NO.: R-91-011-05
 STATION : 54+00.00 TO STATION : 57+49.33
 SCALE : 1 INCH = 15 FEET SHEET : 6 of 6

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

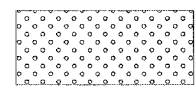
Marchese and Sons, Inc.
 NUMBER 184-002782
 land - marine - construction surveys
 10 MONACO DRIVE, ROSELLE, IL 60172
 PHONE : (630) 894-5680 FAX : (630) 894-8869

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	30
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

*REF-pmk01
*REF-pmk02



PAVEMENT MARKING/LANDSCAPING LEGEND

 SEEDING CLASS 2A WITH EROSION CONTROL BLANKET

RECESSED REFLECTIVE PAVEMENT MARKERS AND POLYUREA PAVEMENT MARKINGS TO BE INSTALLED ON BIG TIMBER ROAD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL. RTE. 47 AT BIG TIMBER RD
PAVEMENT MARKING AND
LANDSCAPING PLAN**

SCALE: 1"=50'
DATE 2/8/2007

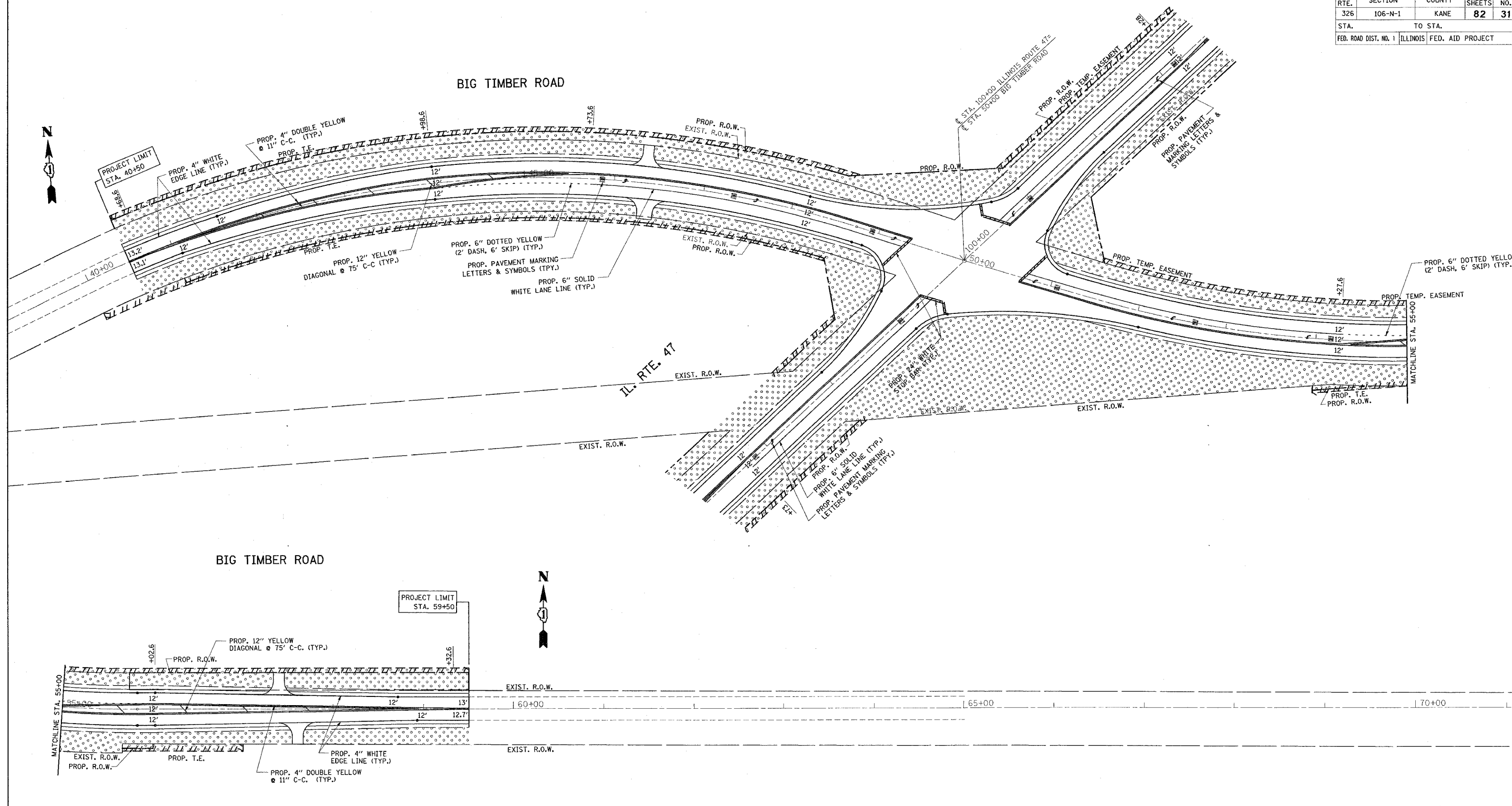
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CHECKED BY

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*REF-pmk03
*REF-pmk04

CONTRACT NO. 62843

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	31
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		




BIG TIMBER ROAD

PROJECT LIMIT
STA. 59+50



PAVEMENT MARKING/LANDSCAPING LEGEND

-  SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- RECESSED REFLECTIVE PAVEMENT MARKERS AND POLYUREA PAVEMENT MARKINGS TO BE INSTALLED ON BIG TIMBER ROAD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BIG TIMBER RD AT IL. RTE. 47
PAVEMENT MARKING AND
LANDSCAPING PLAN

SCALE: 1"=50'
DATE 2/8/2007

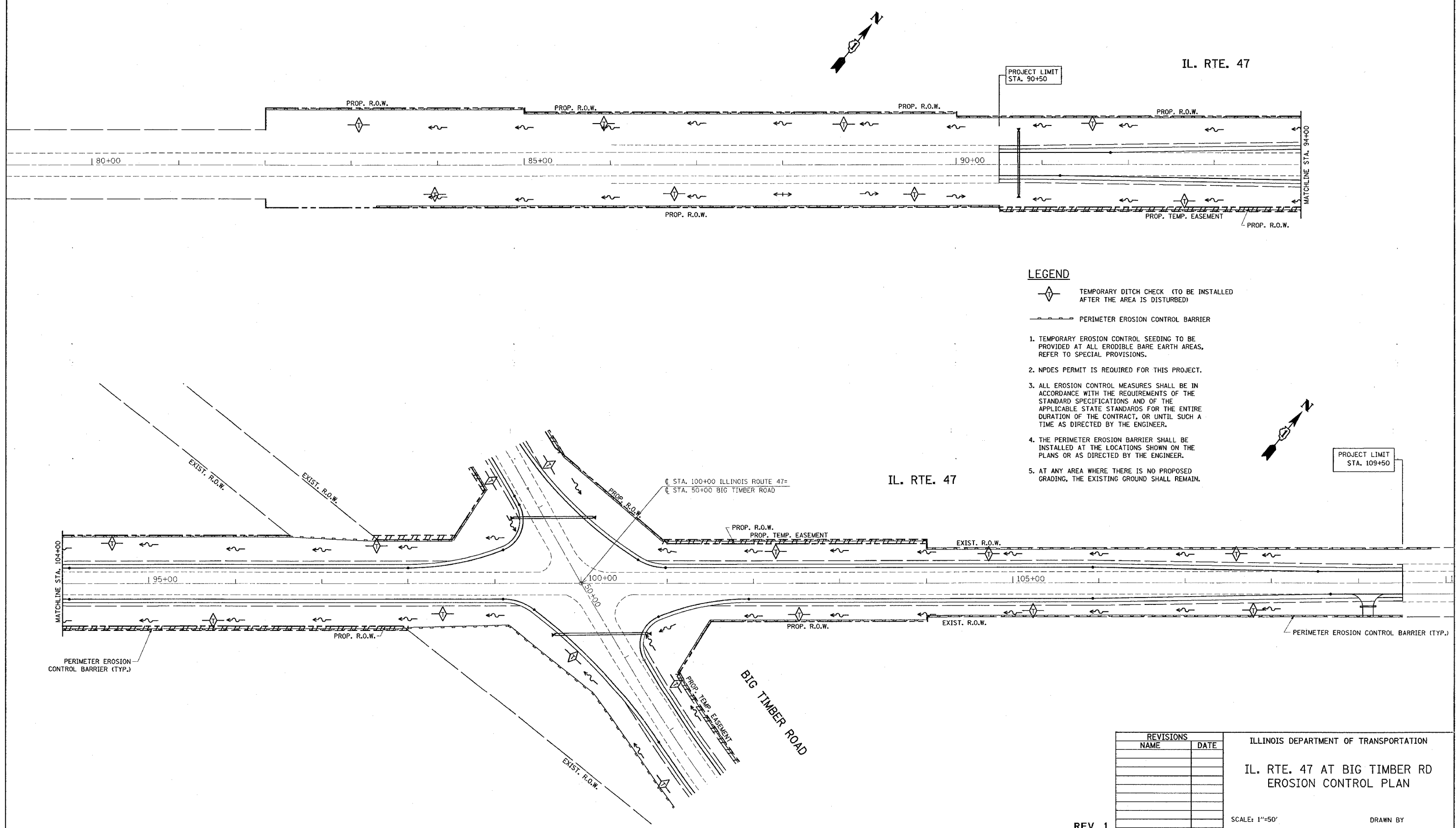
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CHECKED BY

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

*REF-pmk01
*REF-pmk02

CONTRACT NO. 62843

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

-  TEMPORARY DITCH CHECK (TO BE INSTALLED AFTER THE AREA IS DISTURBED)
-  PERIMETER EROSION CONTROL BARRIER
- 1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
- 2. NPDES PERMIT IS REQUIRED FOR THIS PROJECT.
- 3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT, OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
- 4. THE PERIMETER EROSION BARRIER SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND SHALL REMAIN.

PLOT DATE = 2/28/2007
 PLOT SCALE = 1"=50'
 USER NAME = brouard

REVISIONS	
NAME	DATE

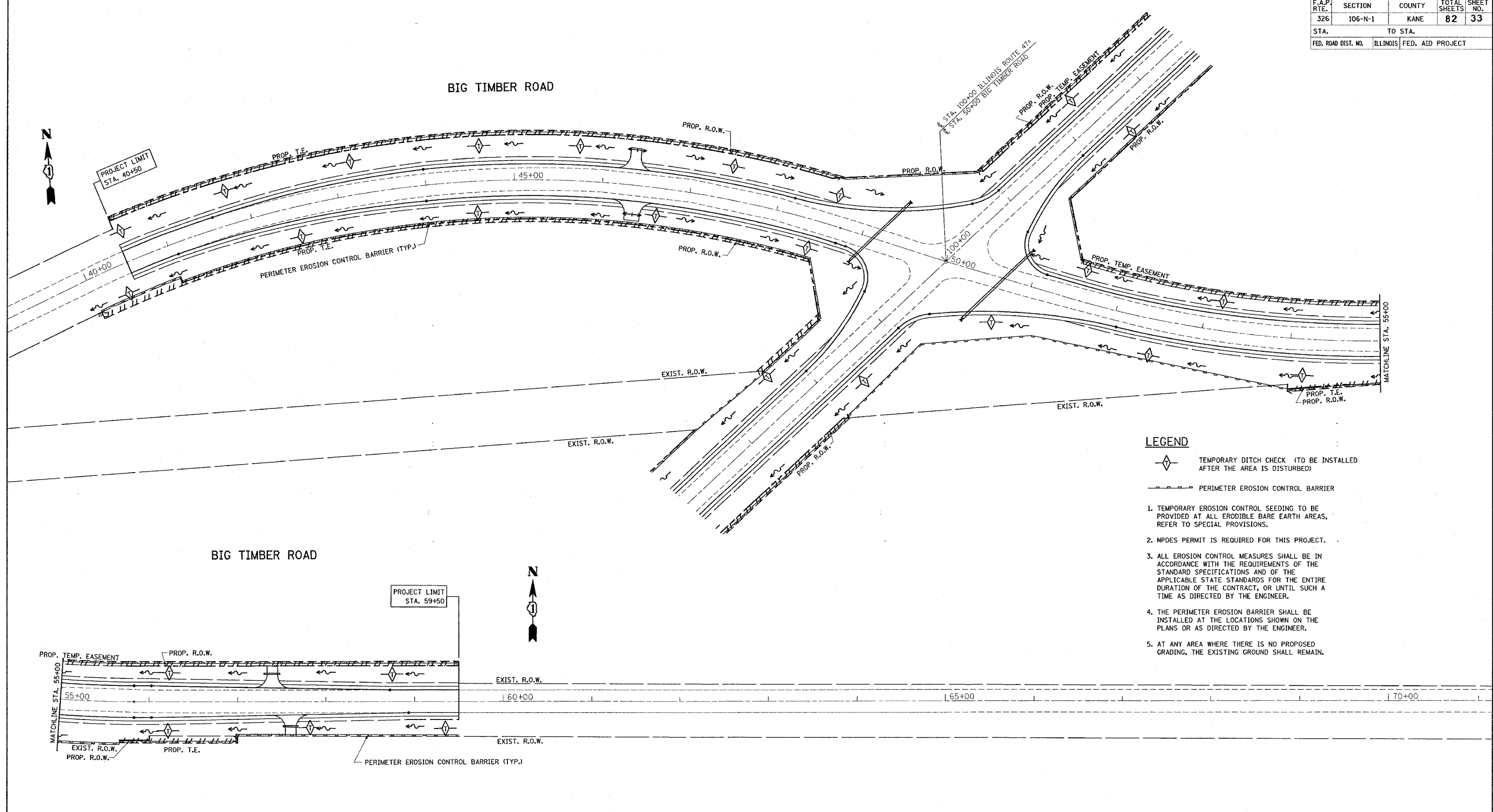
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RTE. 47 AT BIG TIMBER RD
 EROSION CONTROL PLAN
 SCALE: 1"=50'
 DATE 2/28/2007
 DRAWN BY
 CHECKED BY

REV. 1

*REF-pmk03
*REF-pmk04

CONTRACT NO. 62843

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- ◆ TEMPORARY DITCH CHECK (TO BE INSTALLED AFTER THE AREA IS DISTURBED)
 - PERIMETER EROSION CONTROL BARRIER
1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
 2. NPDES PERMIT IS REQUIRED FOR THIS PROJECT.
 3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT, OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
 4. THE PERIMETER EROSION BARRIER SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND SHALL REMAIN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BIG TIMBER RD AT IL. RTE. 47
EROSION CONTROL PLAN**

SCALE: 1"=50'
DATE 2/28/2007

DRAWN BY
CHECKED BY

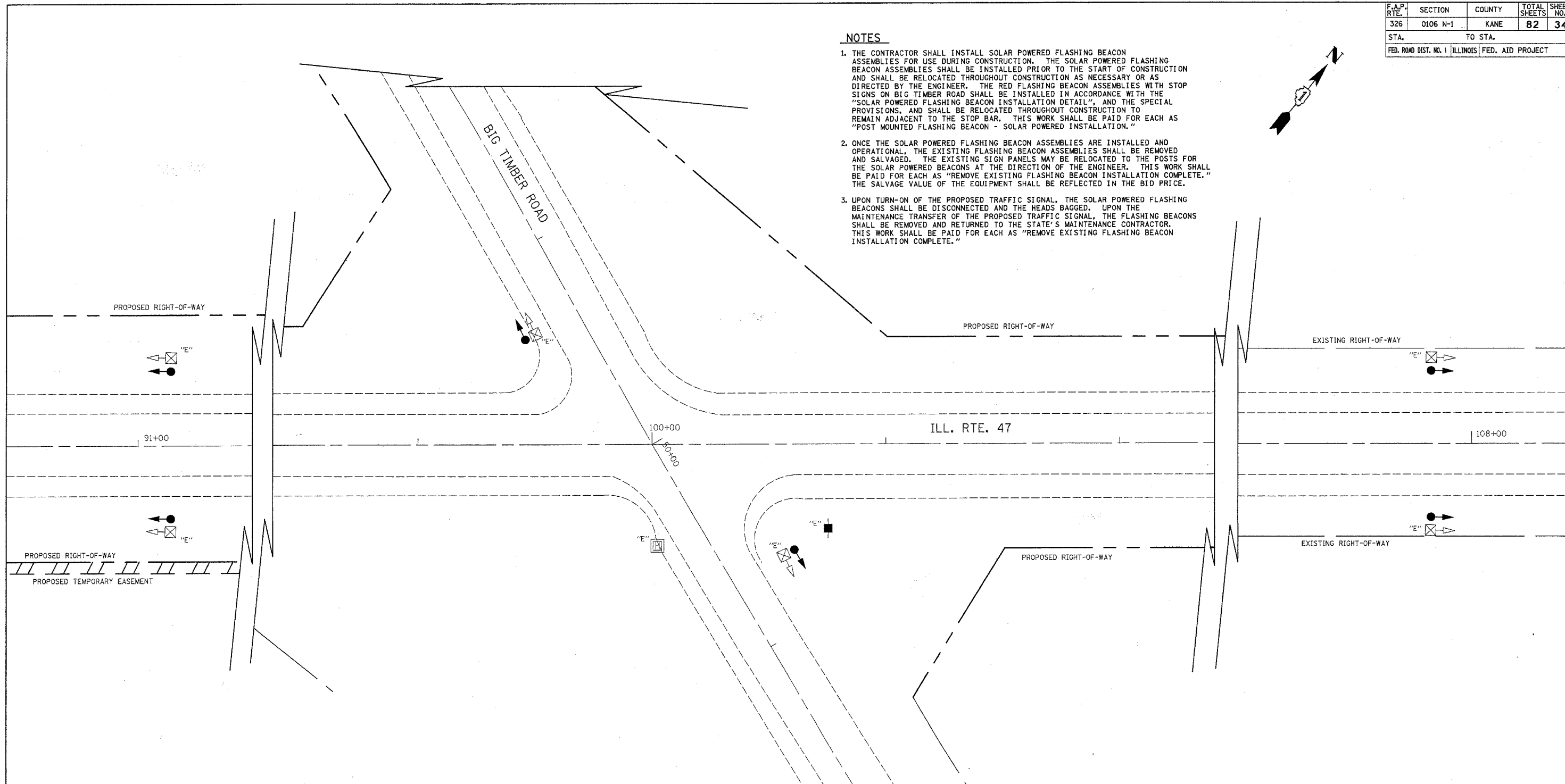
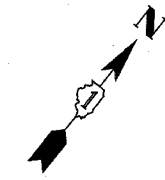
REV. 1

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	34
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES

1. THE CONTRACTOR SHALL INSTALL SOLAR POWERED FLASHING BEACON ASSEMBLIES FOR USE DURING CONSTRUCTION. THE SOLAR POWERED FLASHING BEACON ASSEMBLIES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RELOCATED THROUGHOUT CONSTRUCTION AS NECESSARY OR AS DIRECTED BY THE ENGINEER. THE RED FLASHING BEACON ASSEMBLIES WITH STOP SIGNS ON BIG TIMBER ROAD SHALL BE INSTALLED IN ACCORDANCE WITH THE "SOLAR POWERED FLASHING BEACON INSTALLATION DETAIL", AND THE SPECIAL PROVISIONS, AND SHALL BE RELOCATED THROUGHOUT CONSTRUCTION TO REMAIN ADJACENT TO THE STOP BAR. THIS WORK SHALL BE PAID FOR EACH AS "POST MOUNTED FLASHING BEACON - SOLAR POWERED INSTALLATION."
2. ONCE THE SOLAR POWERED FLASHING BEACON ASSEMBLIES ARE INSTALLED AND OPERATIONAL, THE EXISTING FLASHING BEACON ASSEMBLIES SHALL BE REMOVED AND SALVAGED. THE EXISTING SIGN PANELS MAY BE RELOCATED TO THE POSTS FOR THE SOLAR POWERED BEACONS AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE PAID FOR EACH AS "REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE." THE SALVAGE VALUE OF THE EQUIPMENT SHALL BE REFLECTED IN THE BID PRICE.
3. UPON TURN-ON OF THE PROPOSED TRAFFIC SIGNAL, THE SOLAR POWERED FLASHING BEACONS SHALL BE DISCONNECTED AND THE HEADS BAGGED. UPON THE MAINTENANCE TRANSFER OF THE PROPOSED TRAFFIC SIGNAL, THE FLASHING BEACONS SHALL BE REMOVED AND RETURNED TO THE STATE'S MAINTENANCE CONTRACTOR. THIS WORK SHALL BE PAID FOR EACH AS "REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE."



LEGEND

- SOLAR POWERED FLASHING BEACON ASSEMBLY
- EXISTING FLASHING BEACON ASSEMBLY TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED

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

- 6 EACH FLASHING BEACON ASSEMBLY
- 1 EACH SERVICE INSTALLATION

FOLLOWING THE MAINTENANCE TRANSFER OF THE PROPOSED SIGNAL, THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 6 EACH SOLAR POWERED FLASHING BEACON ASSEMBLY

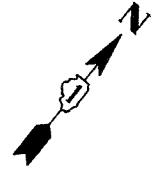
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FLASHING BEACON
 INSTALLATION AND REMOVAL PLAN
 ILL. ROUTE 47 AND BIG TIMBER ROAD

SCALE: 1" = 20'
 DATE: 1/22/2007

DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	35
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

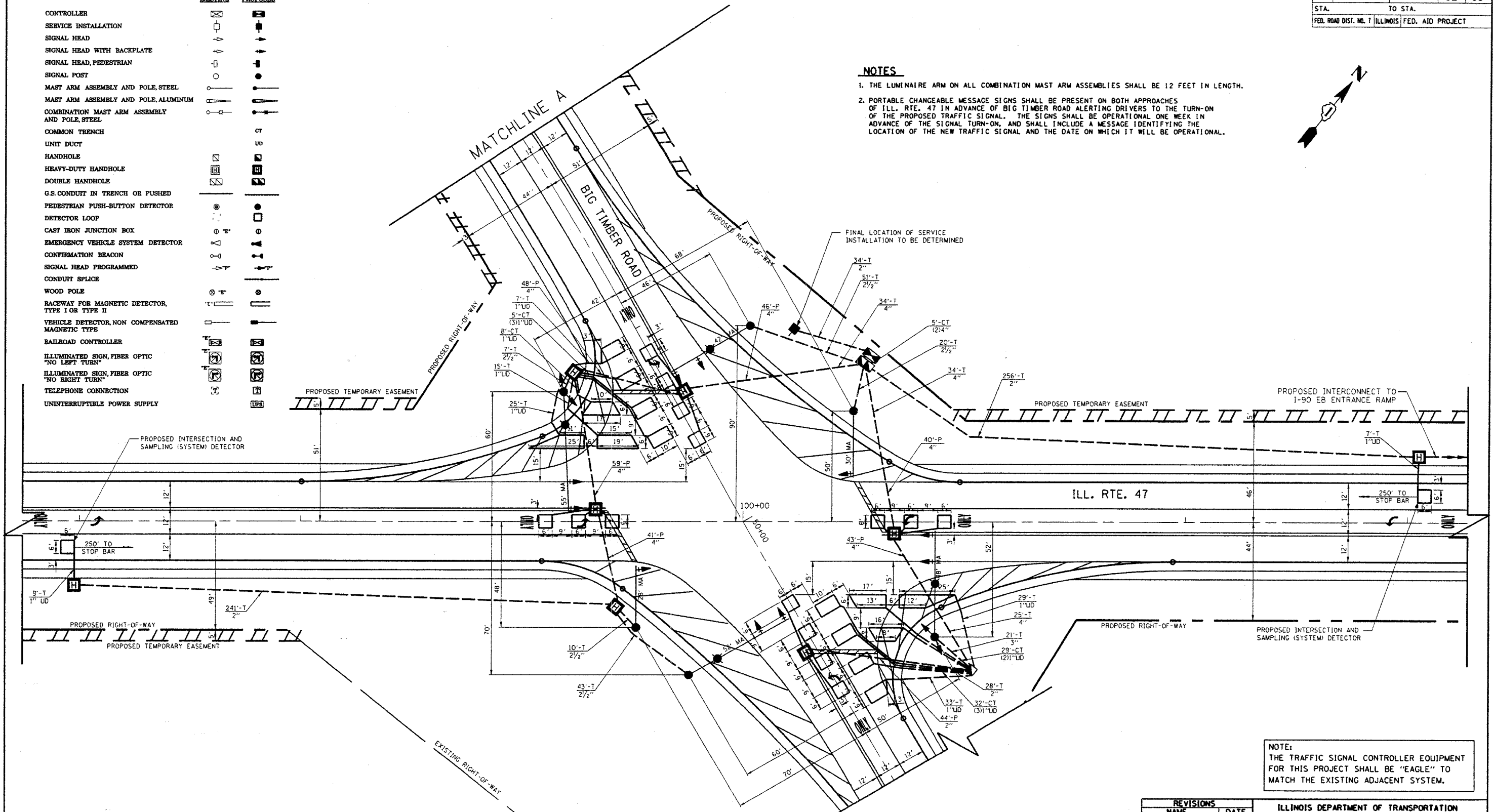


TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED

NOTES

1. THE LUMINAIRE ARM ON ALL COMBINATION MAST ARM ASSEMBLIES SHALL BE 12 FEET IN LENGTH.
2. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PRESENT ON BOTH APPROACHES OF ILL. RTE. 47 IN ADVANCE OF BIG TIMBER ROAD ALERTING DRIVERS TO THE TURN-ON OF THE PROPOSED TRAFFIC SIGNAL. THE SIGNS SHALL BE OPERATIONAL ONE WEEK IN ADVANCE OF THE SIGNAL TURN-ON, AND SHALL INCLUDE A MESSAGE IDENTIFYING THE LOCATION OF THE NEW TRAFFIC SIGNAL AND THE DATE ON WHICH IT WILL BE OPERATIONAL.



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

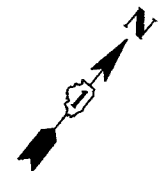
RESTORATION OF WORK AREA
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOVED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNKNOWN FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
ILL. ROUTE 47 AND BIG TIMBER ROAD
SHEET 1 OF 2
SCALE: 1" = 20'
DATE: 5/8/2007
DRAWN BY: CEC
CHECKED BY: JJE

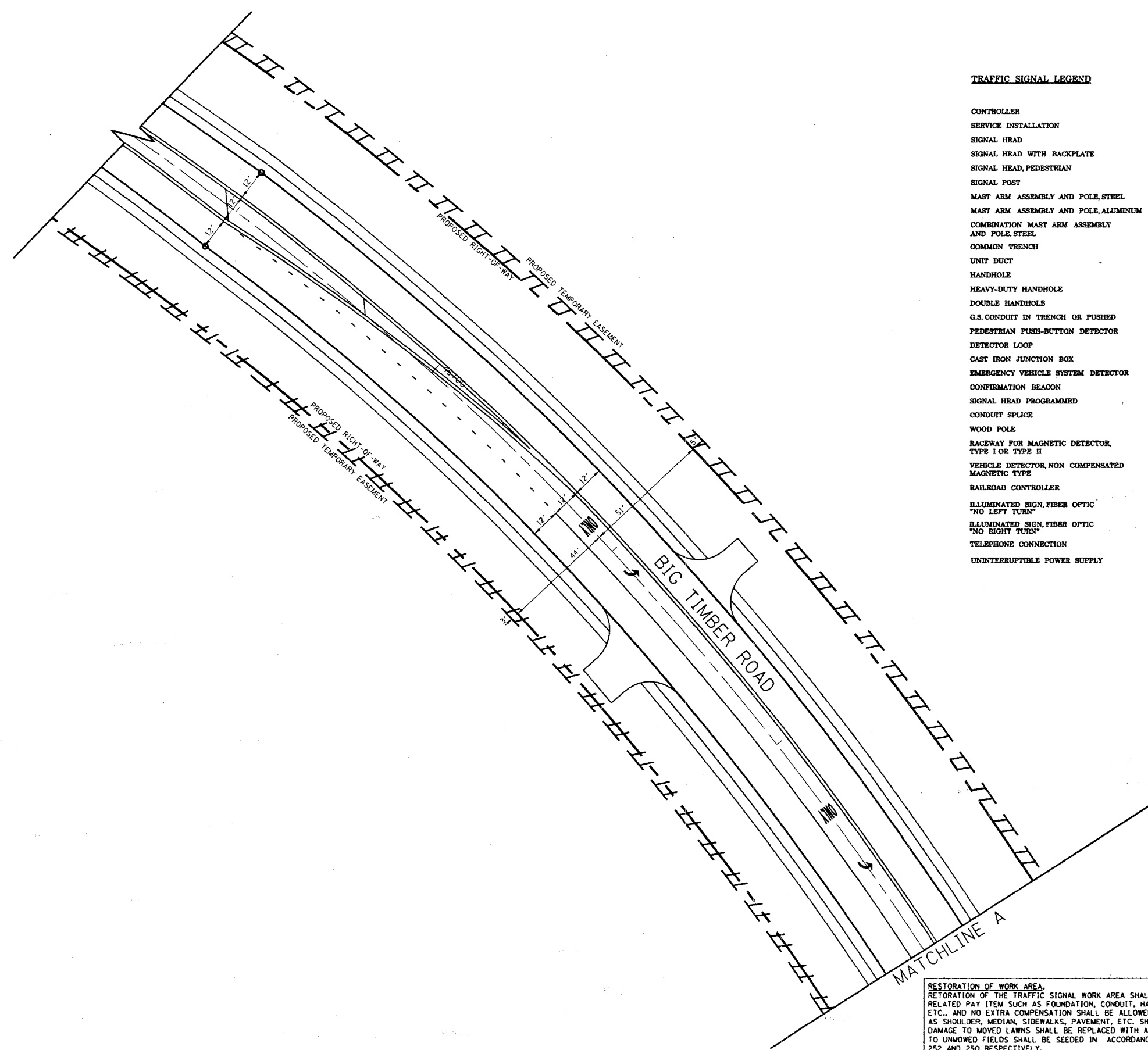
REV. 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	36
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL		
COMMON TRENCH		
UNIT DUCT		
HANDHOLE		
HEAVY-DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSH-BUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROLLER		
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
TELEPHONE CONNECTION		
UNINTERRUPTIBLE POWER SUPPLY		



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOVED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

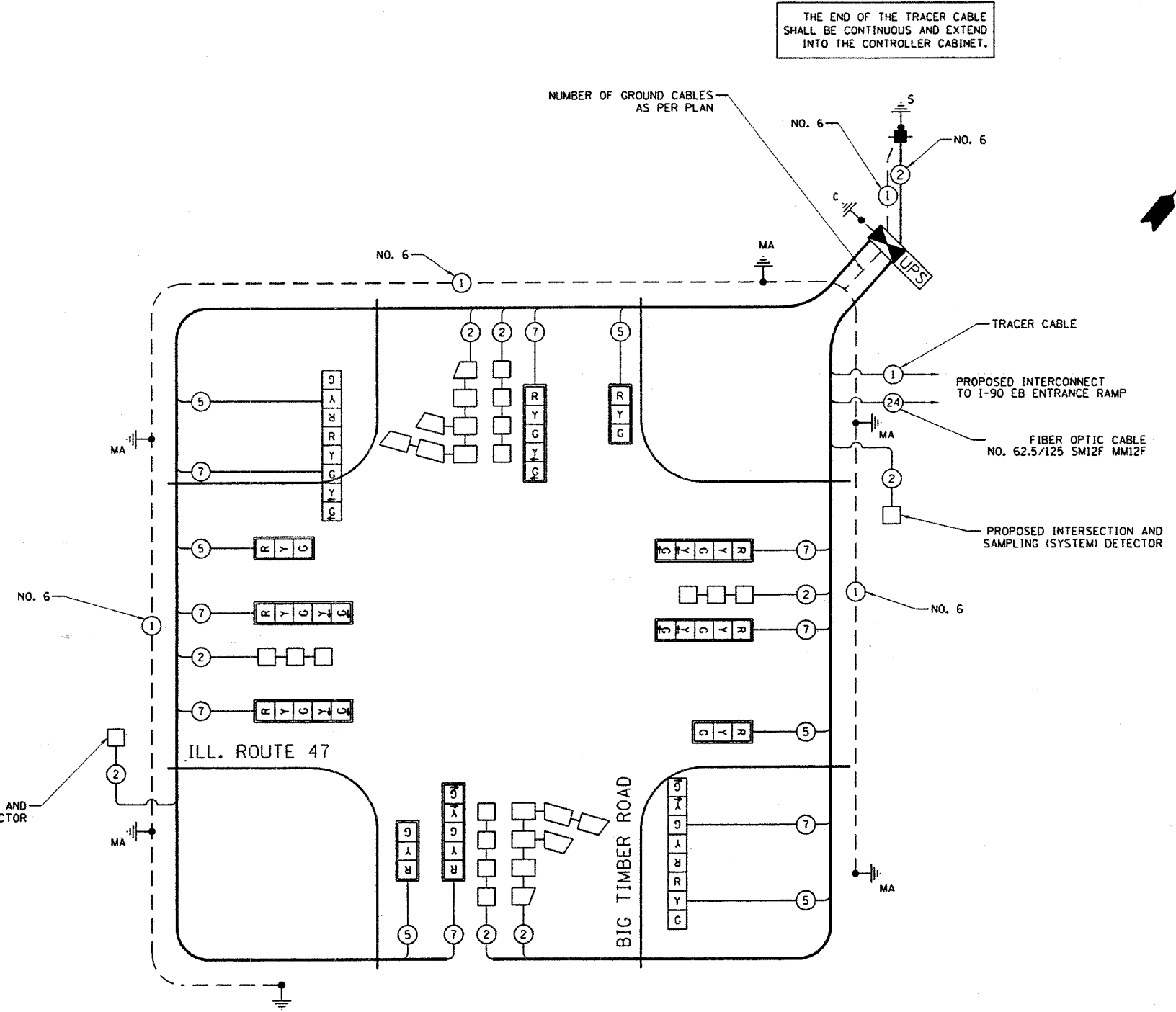
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
ILL. ROUTE 47 AND BIG TIMBER ROAD
SHEET 2 OF 2
SCALE: 1" = 20'
DATE: 5/8/2007
DRAWN BY: CEC
CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	37
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CABLE PLAN LEGEND

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - TELEPHONE CONNECTION
 - MAGNETIC DETECTOR
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - PUSHBUTTON DETECTOR
 - VEHICLE DETECTOR, INDUCTION LOOP
 - DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
 - MICROWAVE VEHICLE SENSOR
 - SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
 - RAILROAD CONTROL CABINET
 - ILLUMINATED SIGN "NO LEFT TURN"
 - ILLUMINATED SIGN "NO RIGHT TURN"
 - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
 - GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
 - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
 - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
 - UNINTERRUPTIBLE POWER SUPPLY



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	88
(GREEN)	14		15	0.25	53
ARROW CONTROLLER	16		12	0.10	19
	1		100	1.00	100
TOTAL =					379

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E- M. ARM POLE		SIGNAL POST	2 (1.0)		6m+L-0.6m
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

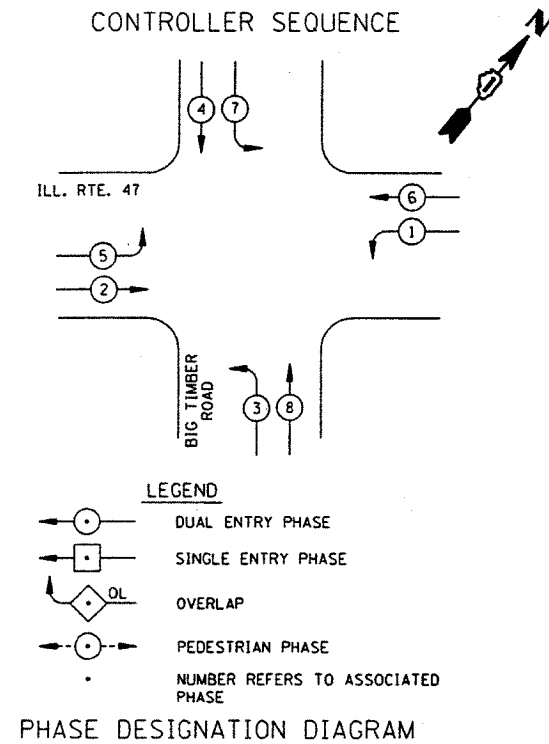
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAMBURG, IL 60196-1096
CONTACT: ELLIE SARELLO
PHONE: 847-608-2400
COMPANY: COM ED

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
ILL. ROUTE 47 & BIG TIMBER ROAD
SCALE: NOT TO SCALE
DATE: 5/9/2007
DRAWN BY: CEC
CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	38
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



SCHEDULE OF QUANTITIES

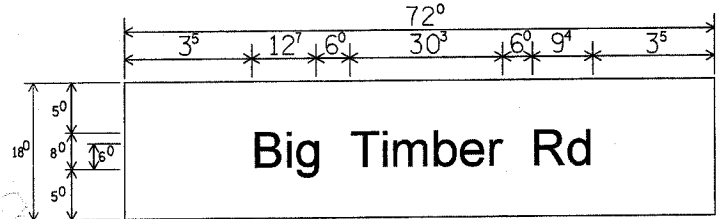
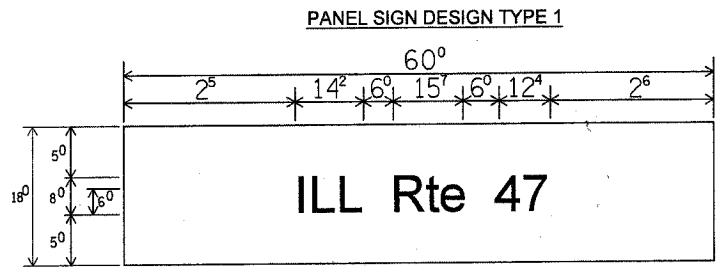
PAY ITEM	UNIT	QUANTITY
CHANGEABLE MESSAGE SIGN	CAL MO	2
SIGN PANEL - TYPE I	SO FT	33
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	559
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	131
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	21
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	103
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	44
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	277
HEAVY-DUTY HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	809
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1411
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1893
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	1823
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	53
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	1232
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	12
SERVICE INSTALLATION, POLE MOUNT	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1274
POST MOUNTED FLASHING BEACON - SOLAR POWERED INSTALLATION	EACH	6

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES
 ILL. RTE. 47 & BIG TIMBER ROAD
 SCALE: NOT TO SCALE
 DATE: 5/9/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

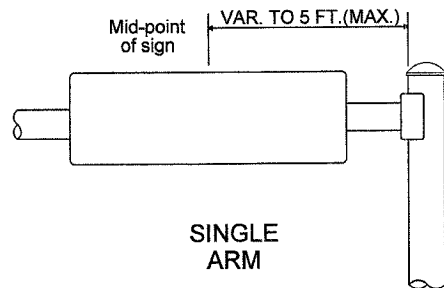
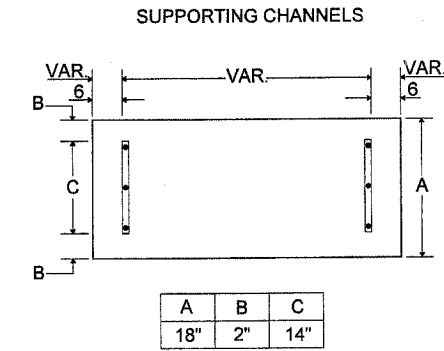
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	39
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



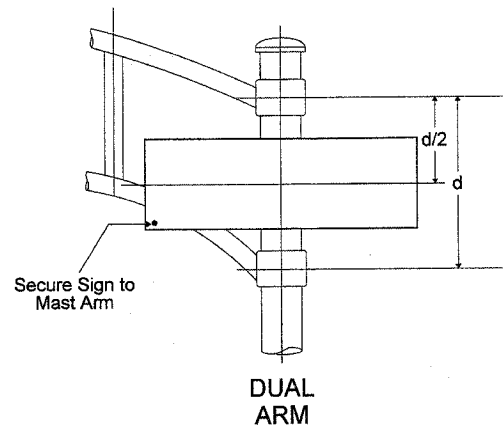
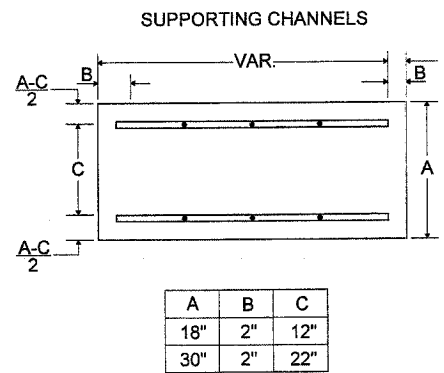
NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

Sq. M Each
7.50 Sq. Ft. Each
2 Required
Design Series D

Sq. M Each
9.0 Sq. Ft. Each
2 Required
Design Series C



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



- 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 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 6'-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 6'-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:

- *A.K.T. CORPORATION, SCHAUMBURG, IL
- *TUCKER COMPANY, INC., WAUWATOSA, WI
- *AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
- *WESTERN TRAFFIC CONTROL, INC., CICERO, 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)
 - SELF TAPPING WITH NEOPRENE WASHER
 - 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.

UPPER TO LOWER CASE SPACING CHART 8-6 INCH SERIES "C & D"

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

EXAMPLE, 2³ DENOTES 3/8"

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	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ⁰	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

NUMBER TO NUMBER SPACING CHART 8 INCH SERIES "C" & "D"

FIRST NUMBER	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 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷
1		2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2	3	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴
5		1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁴	1 ⁵
6		1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴
7		1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁴
8		1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
**MAST ARM MOUNTED
STREET NAME SIGNS**
ILL. RTE. 47 & BIG TIMBER RD.

REVISIONS	
NAME	DATE

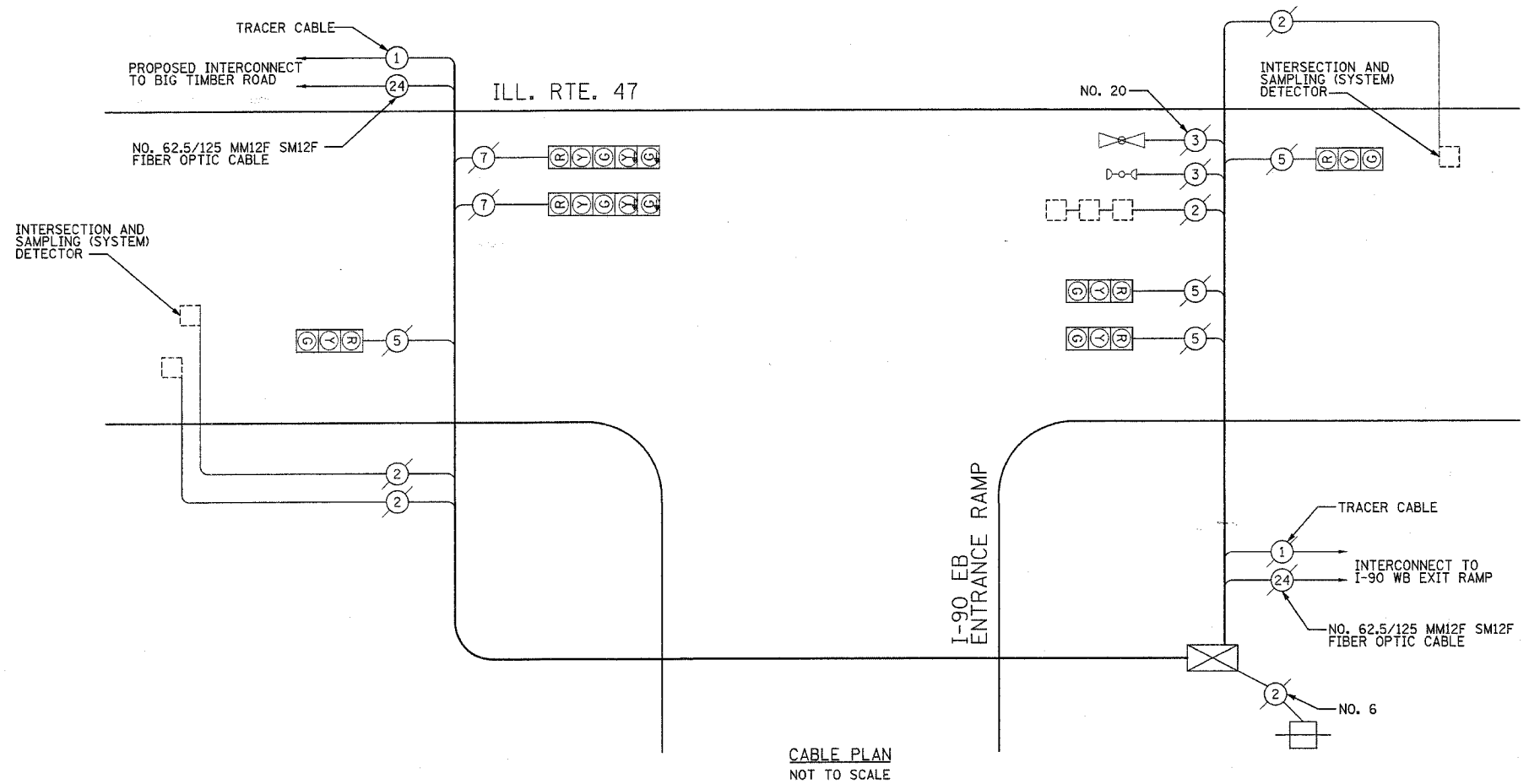
SCALE: NONE
DATE: 1/22/2007
DRAWN BY: BRD
CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	40
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TEMPORARY CABLE PLAN LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--|
| | | TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm) |
| | | TEMPORARY CONTROLLER CABINET |
| | | TEMPORARY SERVICE INSTALLATION |
| | | INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED. |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PEDESTRIAN PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | VIDEO VEHICLE DETECTOR |



CABLE PLAN
NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND. LED)	% OPERATION	
SIGNAL (RED)	6	135	0.50	405
(YELLOW)	6	135	0.25	203
(GREEN)	6	135	0.25	203
ARROW	4	135	0.10	54
CONTROLLER	1	100	1.00	100
FLASHER				0.50
TOTAL =				965

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: ELLIE SARELLO
PHONE: 847-608-2400
COMPANY: COM ED

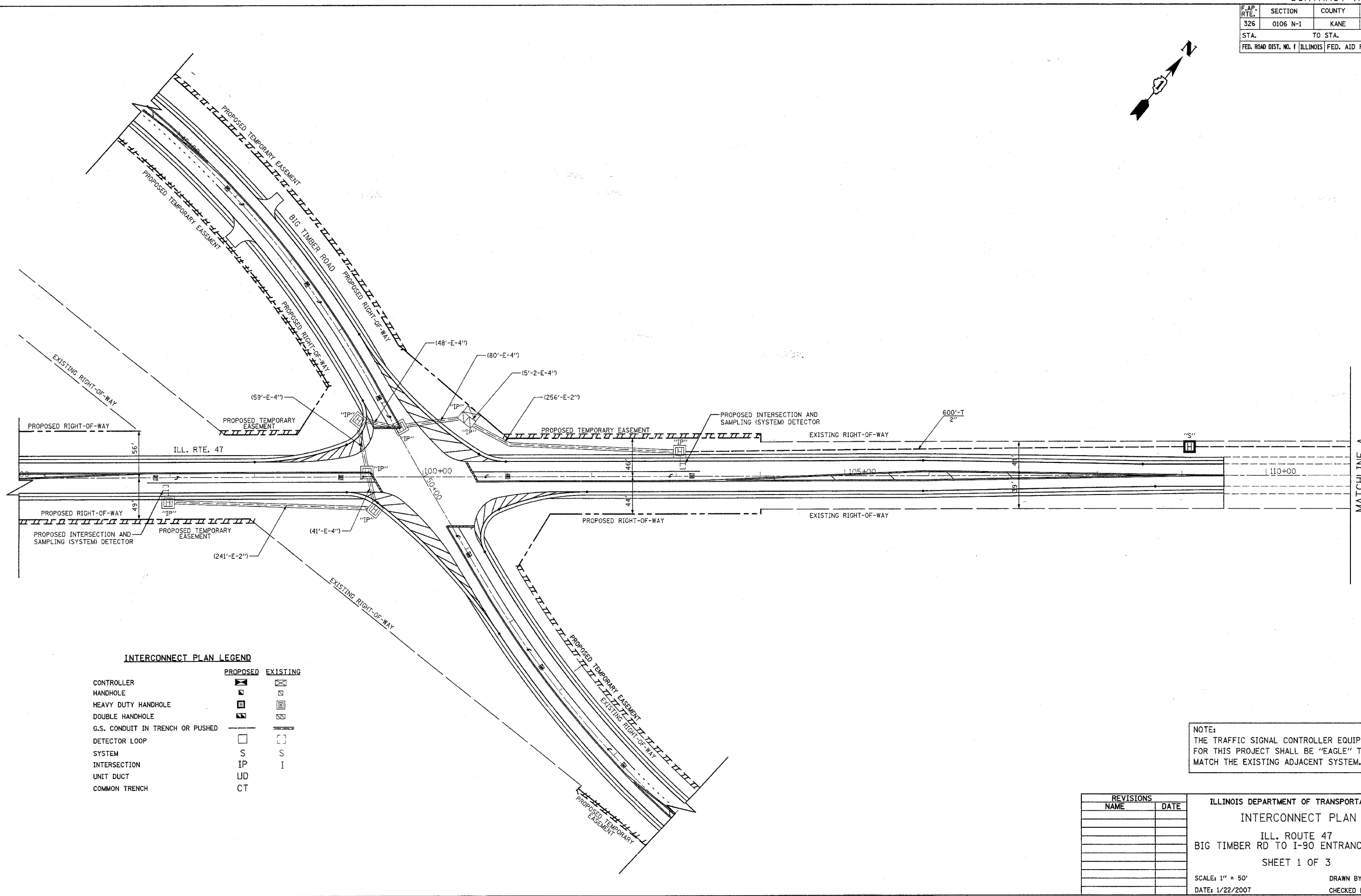
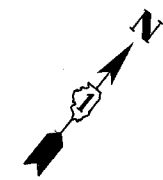
FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E- M. ARM POLE	10 (3.0)	SIGNAL POST	2 (1.0)	6m+L-0.6m=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
ILL. ROUTE 47 & I-90 ENTRANCE RAMP
SCALE: NOT TO SCALE
DATE: 1/22/2007
DRAWN BY: CEC
CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	41
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



INTERCONNECT PLAN LEGEND

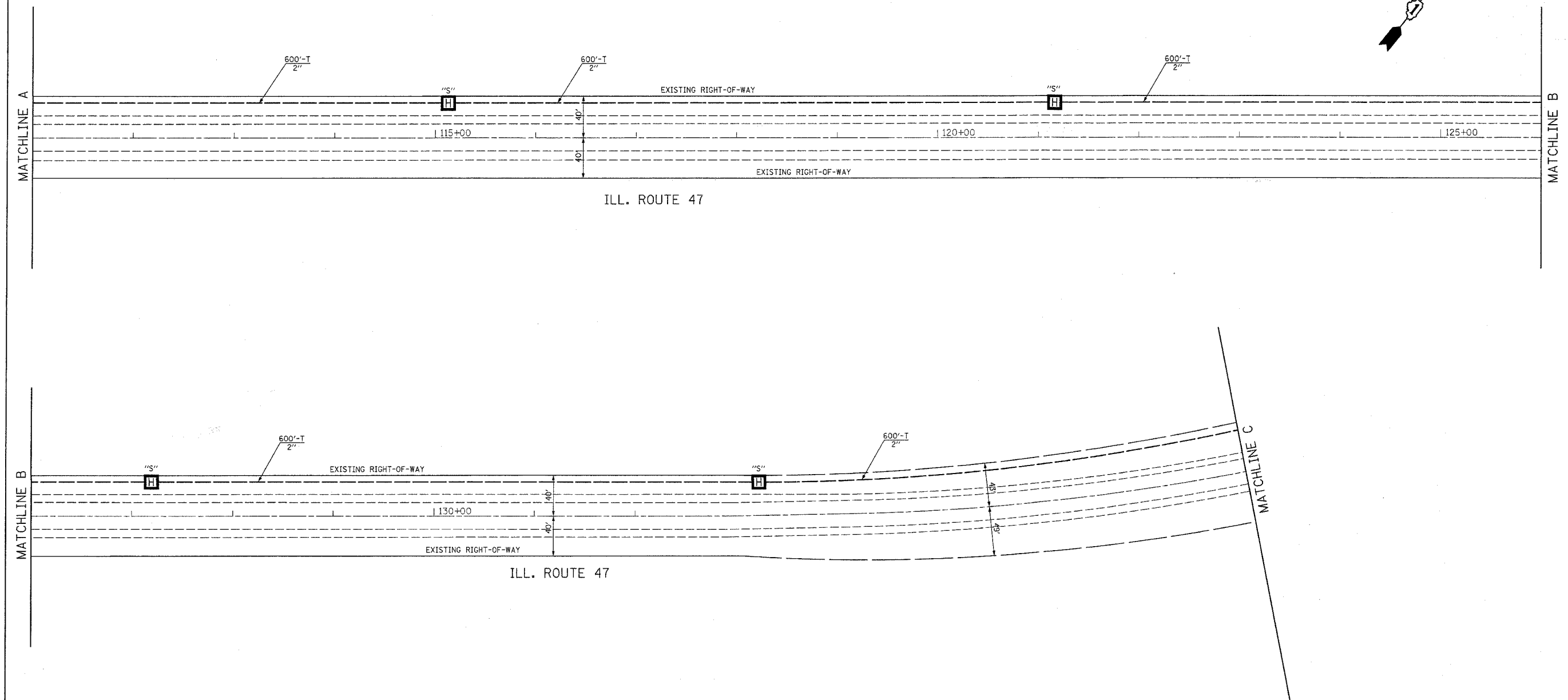
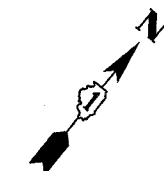
	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. ROUTE 47
 BIG TIMBER RD TO I-90 ENTRANCE RAMP
 SHEET 1 OF 3
 SCALE: 1" = 50'
 DATE: 1/22/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	42
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



INTERCONNECT PLAN LEGEND

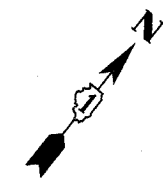
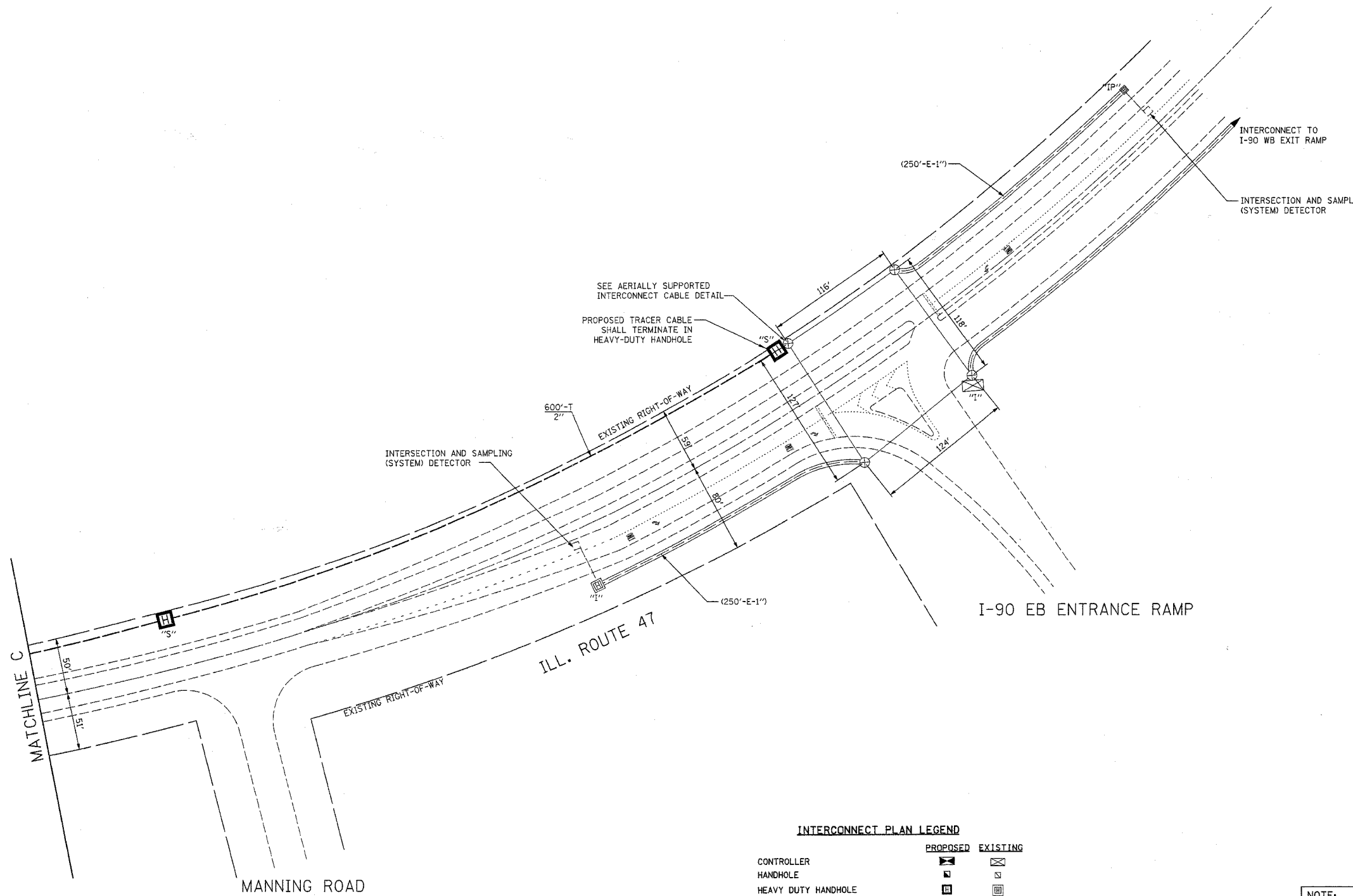
	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. ROUTE 47
 BIG TIMBER RD TO I-90 ENTRANCE RAMP
 SHEET 2 OF 3
 SCALE: 1" = 50'
 DATE: 1/22/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	43
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



INTERCONNECT PLAN LEGEND

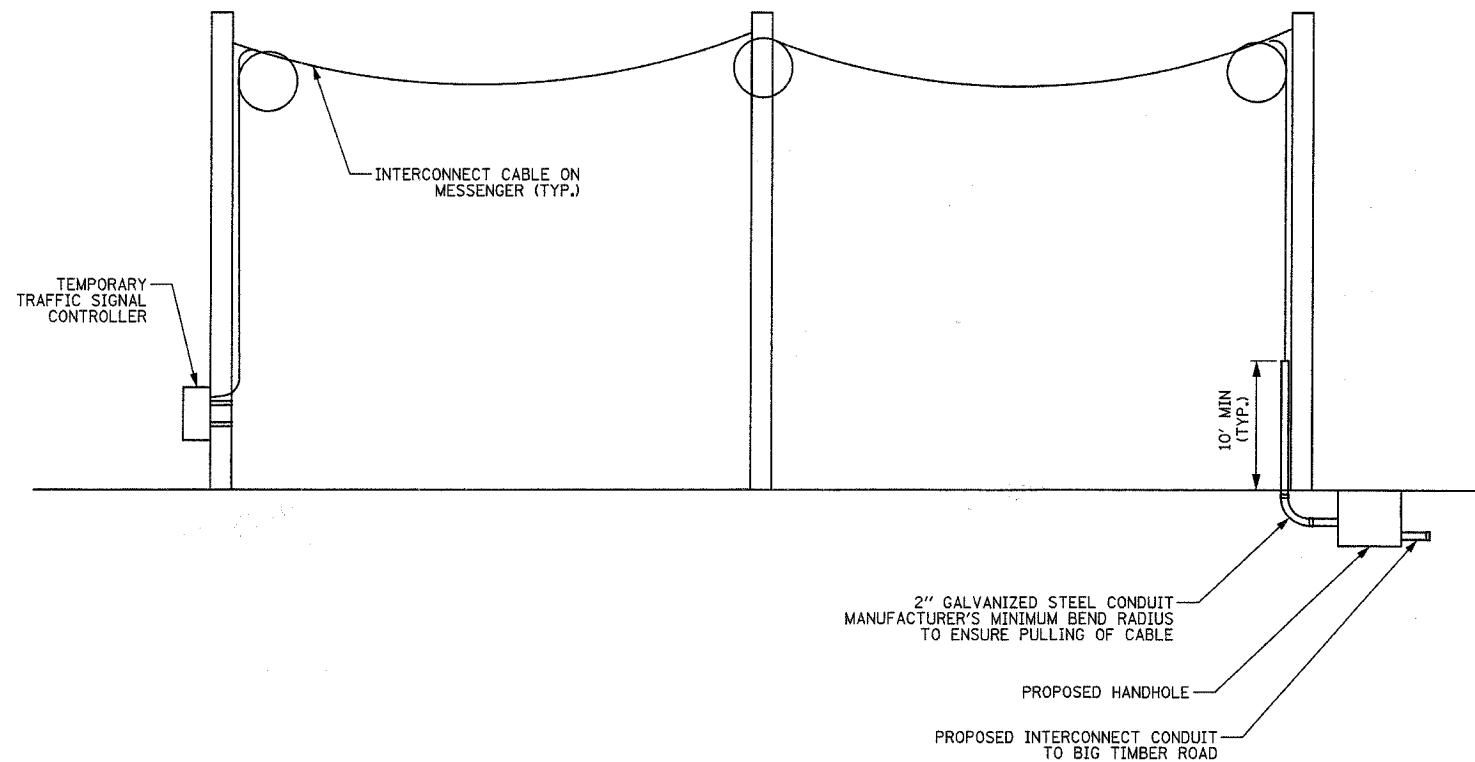
	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. ROUTE 47
 BIG TIMBER RD TO I-90 ENTRANCE RAMP
 SHEET 3 OF 3
 SCALE: 1" = 50'
 DATE: 1/22/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	44
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



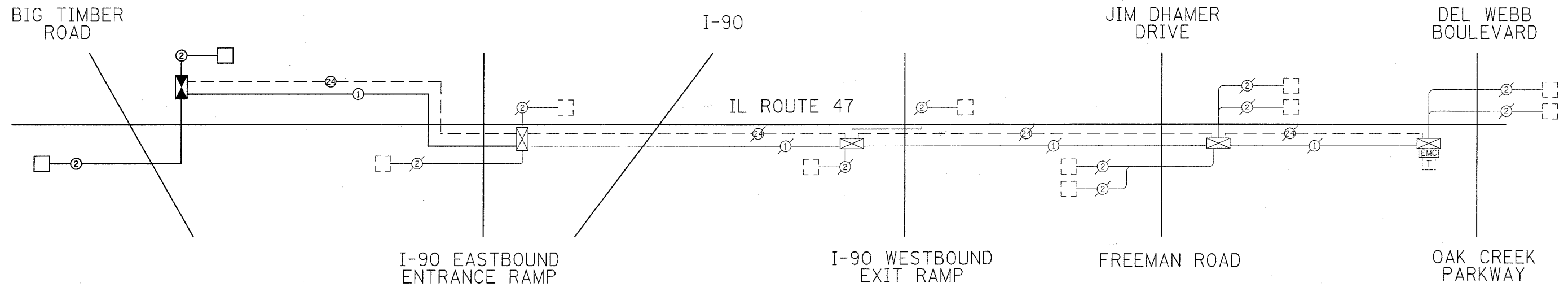
AERIALLY SUPPORTED INTERCONNECT CABLE
(NOT TO SCALE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 AERIALLY SUPPORTED
 INTERCONNECT CABLE DETAIL
 ILL. RTE. 47 / BIG TIMBER ROAD
 TO I-90 EB ENTRANCE RAMP

SCALE: NOT TO SCALE
 DATE: 1/22/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	45
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER		EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	
PROPOSED INTERSECTION CONTROLLER		PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	
EXISTING MASTER CONTROLLER		EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
PROPOSED MASTER CONTROLLER		PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
MASTER MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING INTERSECTION LOOP DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS		PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS,		PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS,		EXISTING TELEPHONE CONNECTION	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS,		PROPOSED TELEPHONE CONNECTION	
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS			
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS			

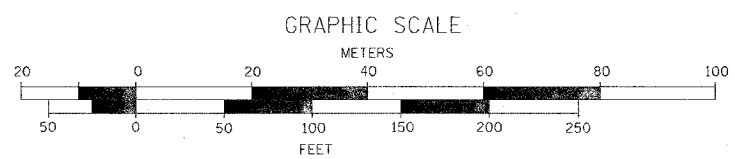
INTERCONNECT SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	4200
HEAVY-DUTY HANDHOLE	EACH	7
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4200
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4531
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4543
FIBER OPTIC CABLE ON MESSENGER, NO. 62.5/125, MM12F SM12F	FOOT	347
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EACH	1

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

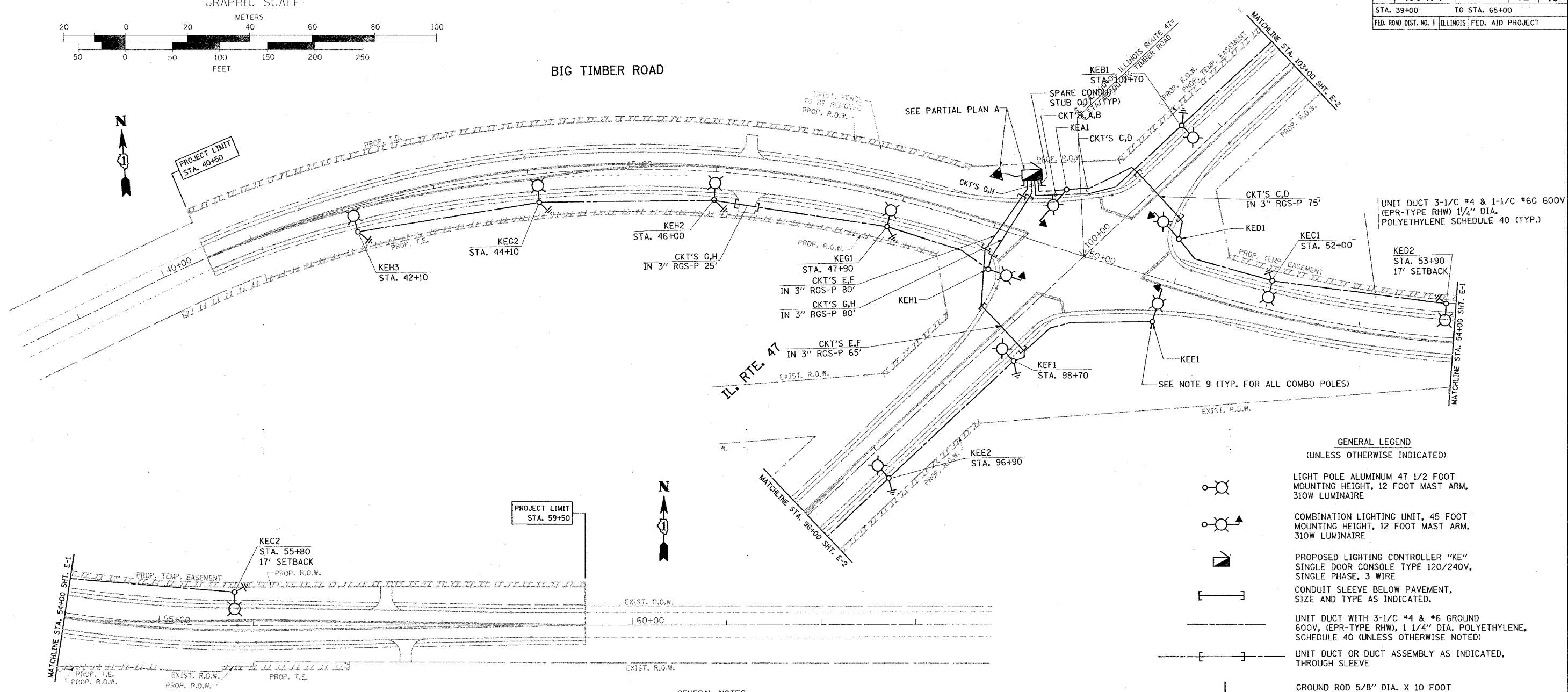
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 ILL. ROUTE 47
 BIG TIMBER RD TO OAK CREEK PKWY
 SCALE: NOT TO SCALE
 DATE: 1/22/2007
 DRAWN BY: CEC
 CHECKED BY: JJE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	46
STA. 39+00		TO STA. 65+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



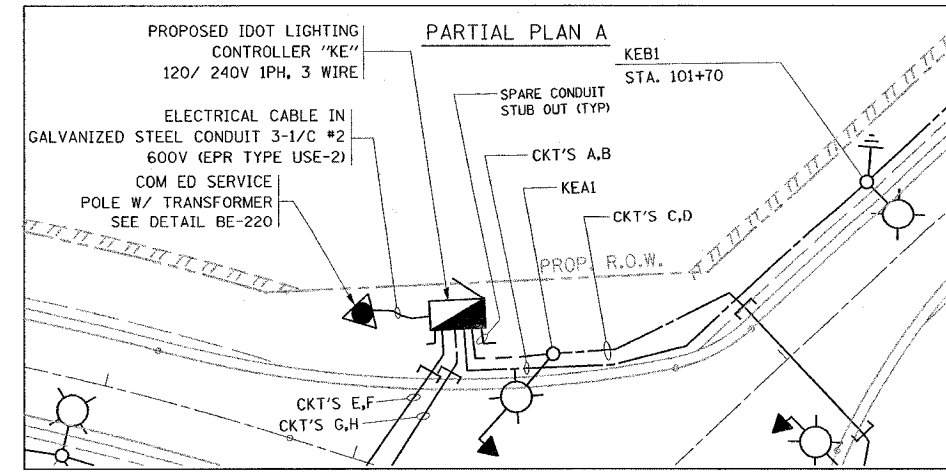
BIG TIMBER ROAD



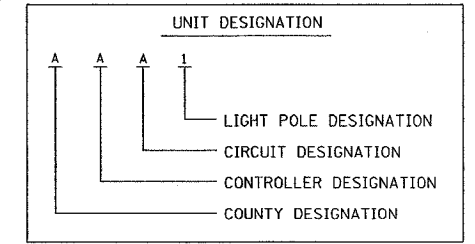
- GENERAL LEGEND**
(UNLESS OTHERWISE INDICATED)
- LIGHT POLE ALUMINUM 47 1/2 FOOT MOUNTING HEIGHT, 12 FOOT MAST ARM, 310W LUMINAIRE
 - COMBINATION LIGHTING UNIT, 45 FOOT MOUNTING HEIGHT, 12 FOOT MAST ARM, 310W LUMINAIRE
 - PROPOSED LIGHTING CONTROLLER "KE" SINGLE DOOR CONSOLE TYPE 120/240V, SINGLE PHASE, 3 WIRE
 - CONDUIT SLEEVE BELOW PAVEMENT, SIZE AND TYPE AS INDICATED.
 - UNIT DUCT WITH 3-1/C #4 & #6 GROUND 600V, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE, SCHEDULE 40 (UNLESS OTHERWISE NOTED)
 - UNIT DUCT OR DUCT ASSEMBLY AS INDICATED, THROUGH SLEEVE
 - GROUND ROD 5/8" DIA. X 10 FOOT

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST NATIONAL ELECTRIC CODE (NEC), IES AND IDOT STANDARDS.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING AND AUGURING.
3. ALL LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 12 FEET FROM EDGE OF TRAVELED PAVEMENT (UNLESS OTHERWISE NOTED). SEE TRAFFIC PLANS FOR EXACT LOCATION OF THE COMBINATION POLES.
4. SERVICE VOLTAGE IS 120/240V, 1PH, 3W, LUMINAIRE BALLAST SHOULD BE CONNECTED AT 120V. ALL LUMINAIRES SHALL HAVE A MULTI-TAP BALLAST.
5. ALL LUMINAIRES SHALL HAVE A LUMINAIRE KEEPER INSTALLED (SEE DETAIL).
6. THE CONTRACTOR SHALL STAKE THE PROPOSED LOCATION OF THE LIGHT POLES AND HAVE THE LOCATIONS APPROVED BY THE ENGINEER BEFORE CONSTRUCTING THE LIGHT POLE FOUNDATIONS.
7. RGS-P RIGID GALVANIZED STEEL CONDUIT PUSHED.
8. THE UNIT DUCT RUNS SHALL HAVE A MINIMUM 5-FOOT SPACING FROM EDGE OF TRAVELED PAVEMENT.
9. FOR EXACT LOCATION OF COMBINATION POLES SEE TRAFFIC SIGNAL PLANS. COMBINATION POLE AND LIGHTING MAST ARMS ARE PART OF TRAFFIC PAY ITEMS.



N.T.S.



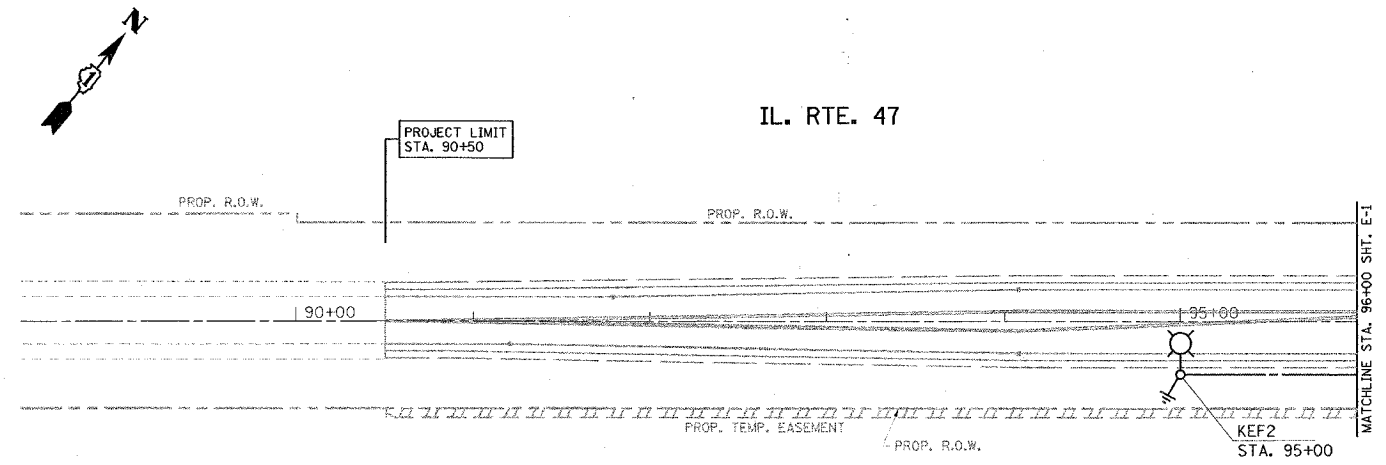
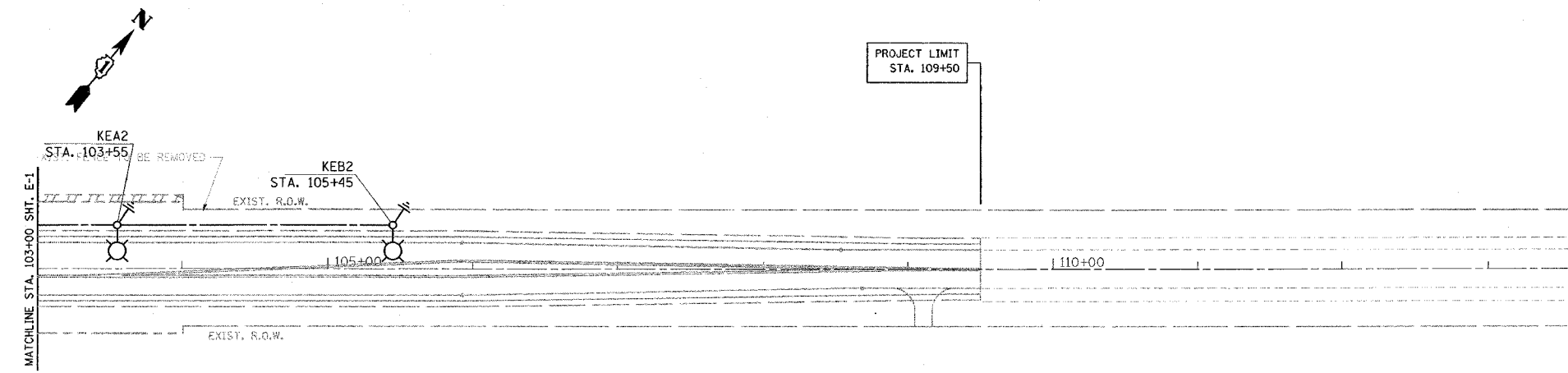
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RTE. 47 AT BIG TIMBER RD
 PROPOSED LIGHTING PLAN I
 SCALE: VERT. AS SHOWN
 HORIZ. AS SHOWN
 DATE 2/9/2007
 DRAWN BY AC
 CHECKED BY MJ/MEA

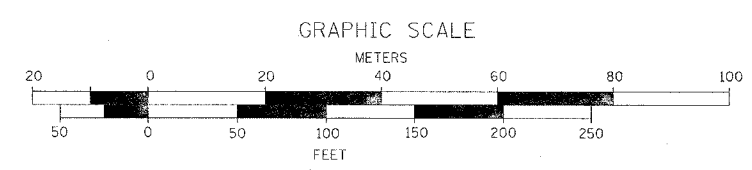
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 USER NAME = spg10603

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	47
STA. 89+00		TO STA. 119+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

*REF-pmk01
*REF-pmk02



IL. RTE. 47



PLOT DATE = 2/9/2007
FILE NAME = c:\projects\106n1\106n1.dgn
PLOT SCALE = 1/8" = 100'
USER NAME = greglamobt

REVISIONS	
NAME	DATE

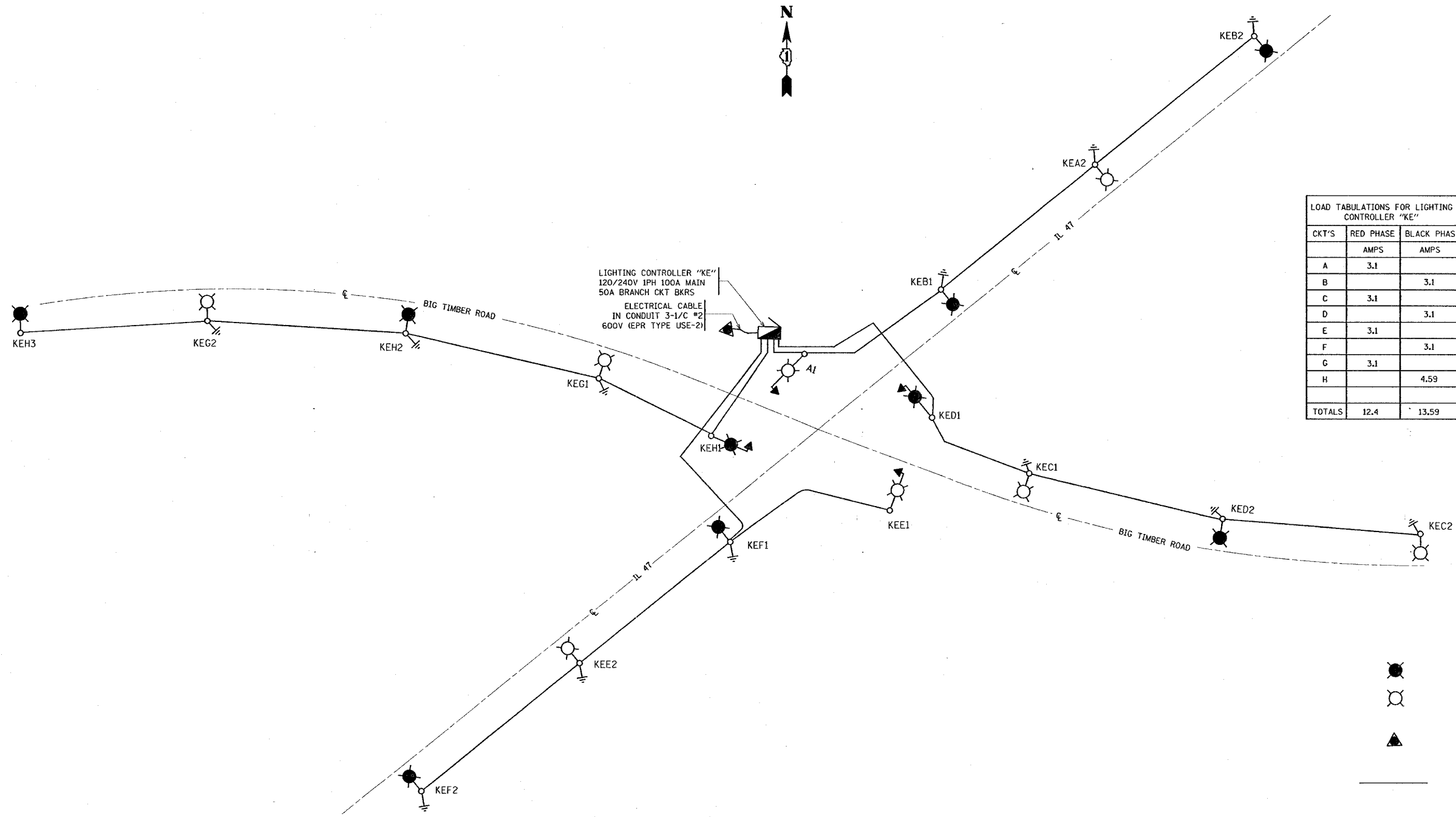
ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE. 47 AT BIG TIMBER RD
PROPOSED LIGHTING PLAN II

SCALE: VERT. AS SHOWN
HORIZ. DATE 2/9/2007

DRAWN BY AC
CHECKED BY MJ/MEA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	48
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LOAD TABULATIONS FOR LIGHTING CONTROLLER "KE"

CKT'S	RED PHASE	BLACK PHASE
	AMPS	AMPS
A	3.1	
B		3.1
C	3.1	
D		3.1
E	3.1	
F		3.1
G	3.1	
H		4.59
TOTALS	12.4	13.59

LEGEND

- LUMINAIRE, 310W HPS ON BLACK PHASE
- LUMINAIRE, 310W HPS ON RED PHASE
- UTILITY SERVICE POLE WITH TRANSFORMER
- 3 1/C #4 & 1/C #6 GND UNLESS OTHERWISE INDICATED

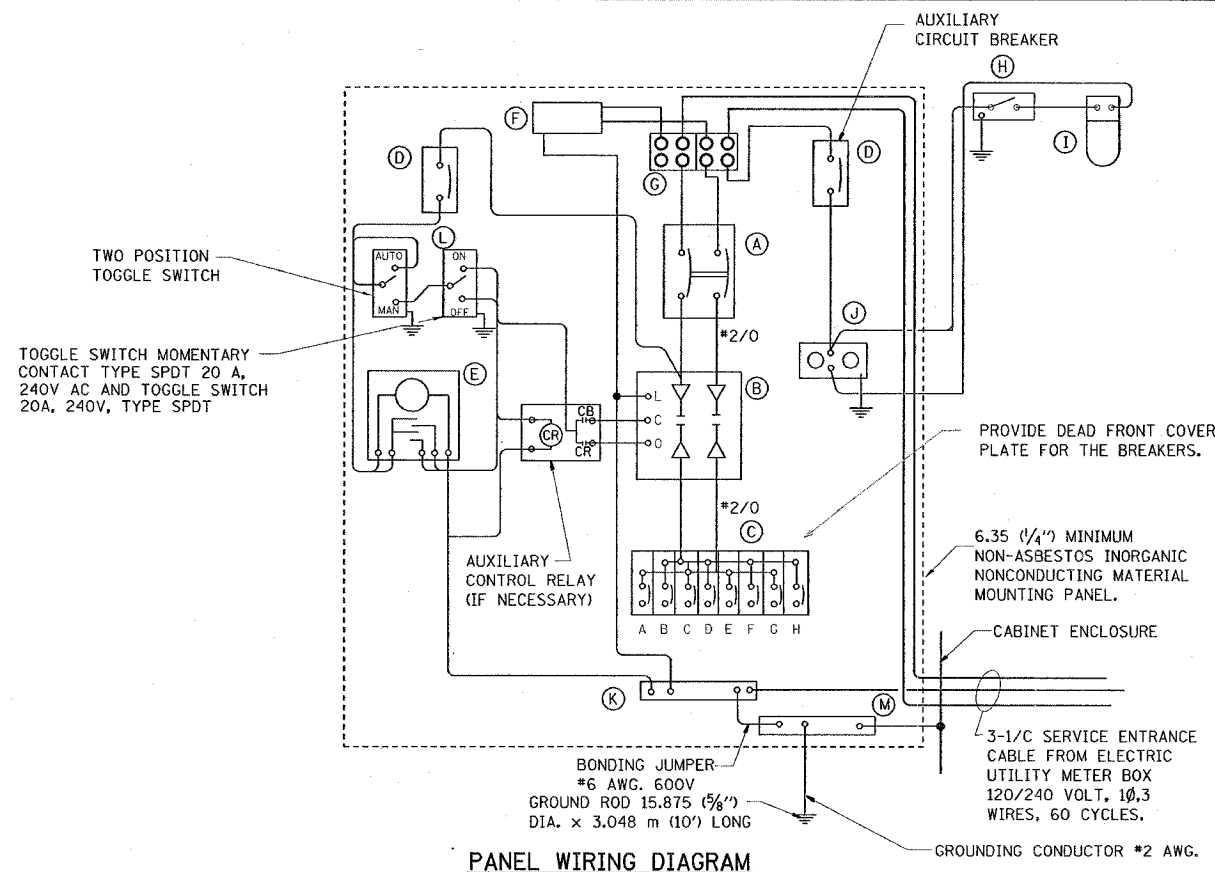
REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL 47 AT BIG TIMBER ROAD
 WIRING DIAGRAM CONTROLLER "KE"
 SCALE: NONE
 DATE: 1/25/2007
 DRAWN BY AC
 CHECKED BY MJ/MEA

PLOT DATE = 1/25/2007
 FILE NAME = c:\projects\106N1\106N1.dgn
 PLOT SCALE = 50.000' / 1" IN.
 USER NAME = ulr-ohnd

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	49
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



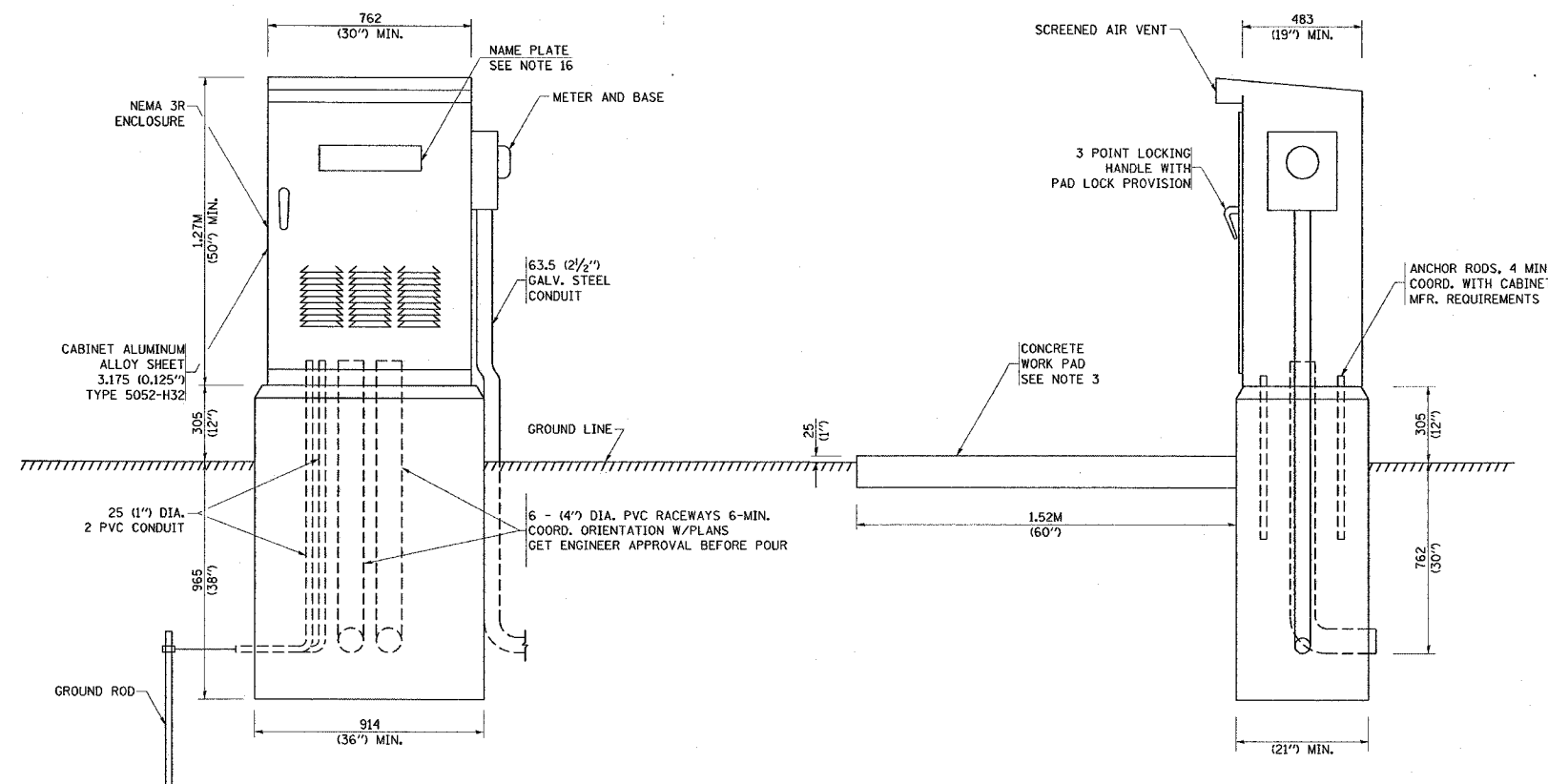
PANEL EQUIPMENT

BILL OF MATERIAL

ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. FRAME, 100AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 120 V.
D	2	CIRCUIT-BREAKER, 1 POLE, 120 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	SURGE ARRESTER
G	1	SPLICE BLOCK
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 6.35 (1/4") X 25.4 (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 (1/4") X 25.4 (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS

NOTES:

- THE CONTROLLER SHALL MEET ALL REQUIREMENTS OF ARTICLE 825 OF IDOT'S STANDARD SPECIFICATIONS.
- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 50.8 mm (2") TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 914.4 mm (36") x 18.288 m (60") x 101 mm (4") MIN. SIZE. THE COST OF LABOR AND MATERIALS IS INCIDENTAL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
- 304.8 (12") X 406.4 mm (16") STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER AND A PROVISION SHALL BE MADE FOR A POUCH IN DOOR TO HOLD A SET OF RECORD DRAWINGS.



PLOT DATE = 2/9/2007
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PLOT SCALE = 50.000 / IN.
USER NAME = gsjlemobt

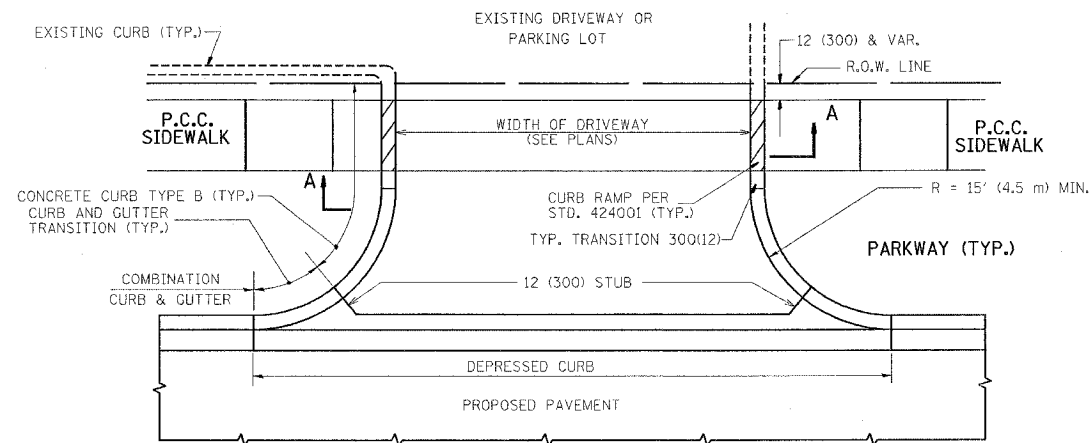
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL 47 AT BIG TIMBER ROAD
LIGHTING CONTROLLER
SINGLE DOOR

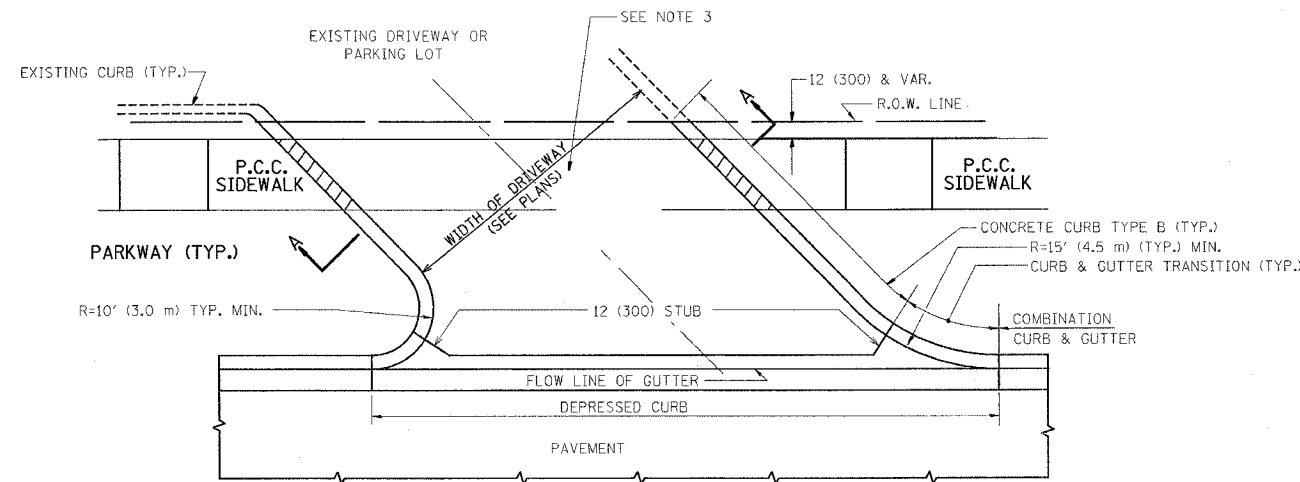
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DATE: 2/9/2007

DRAWN BY AC
CHECKED BY MJ/MEA

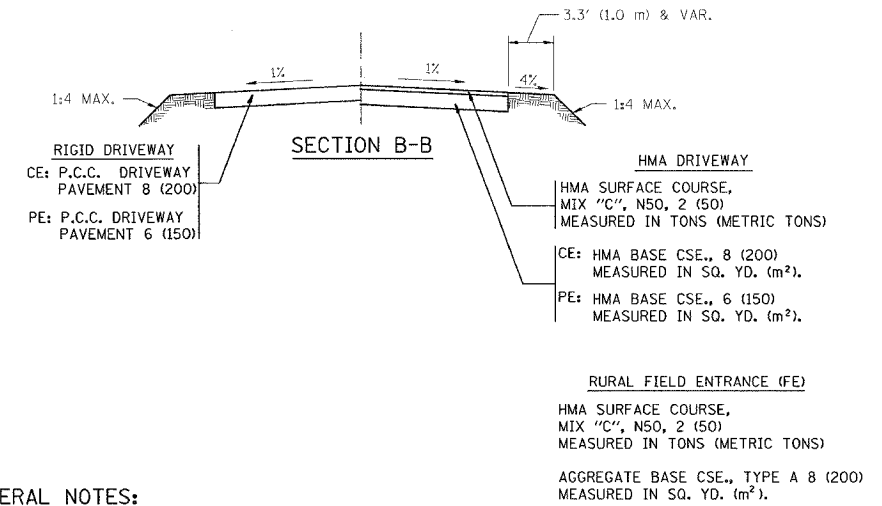
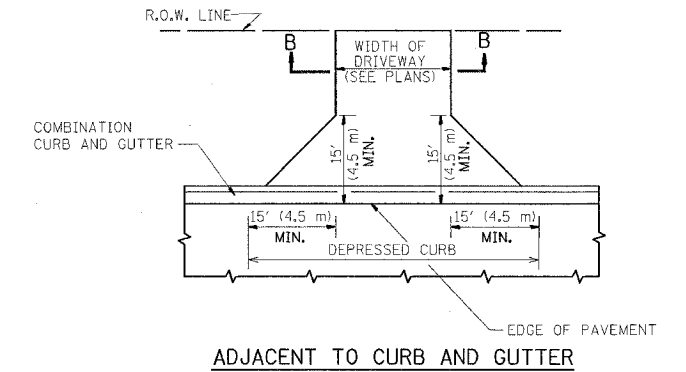
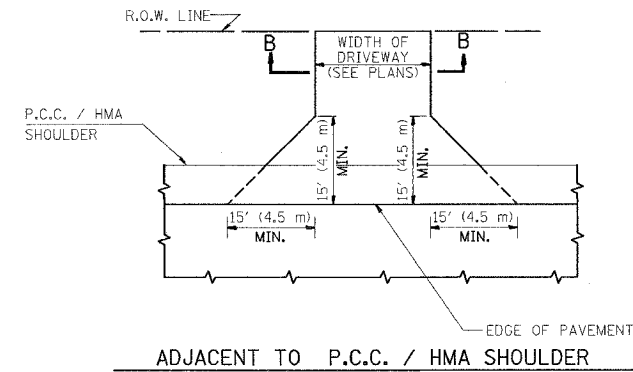
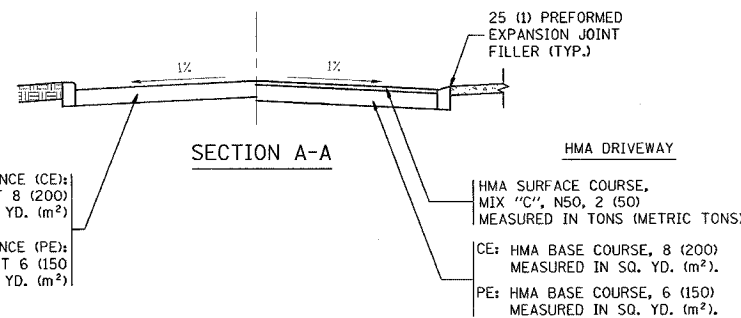
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	50
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LaFLEUR	04-15-03
R. BORO	01-01-07

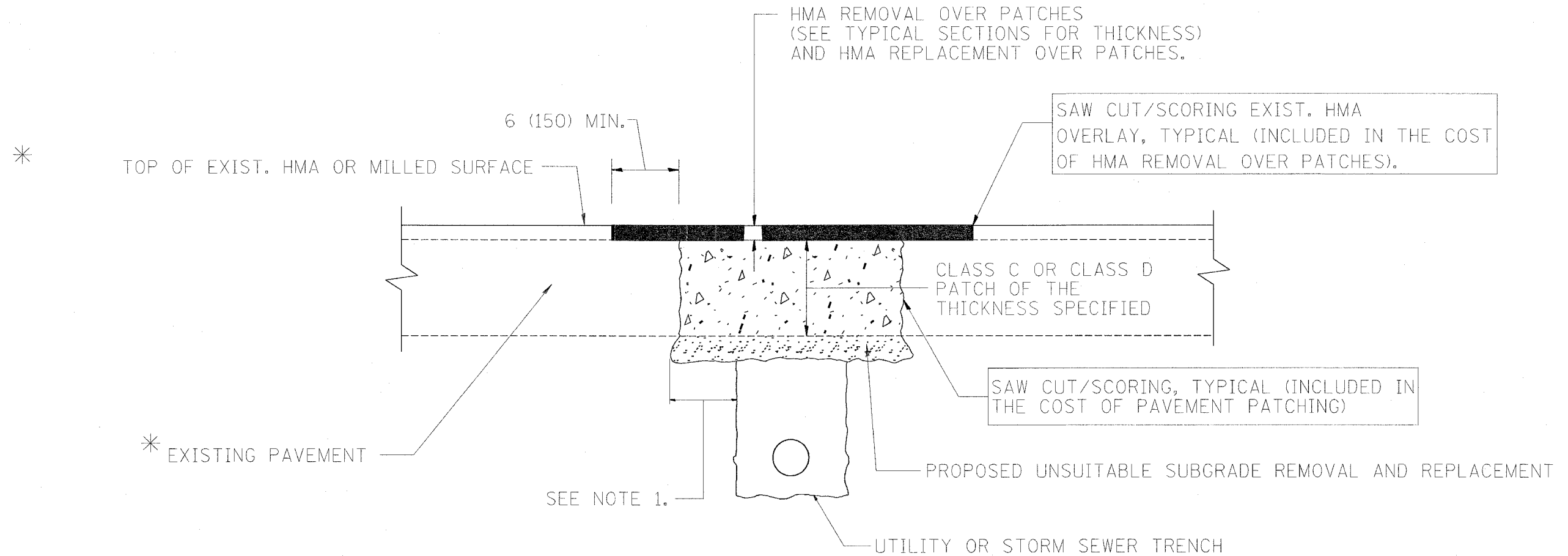
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: VERT. NONE
HORIZ. PLOT DATE: 1/18/2007

DRAWN BY
CHECKED BY

BDD156-07 (BD-01)
REVISION DATE: 01/01/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	51
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

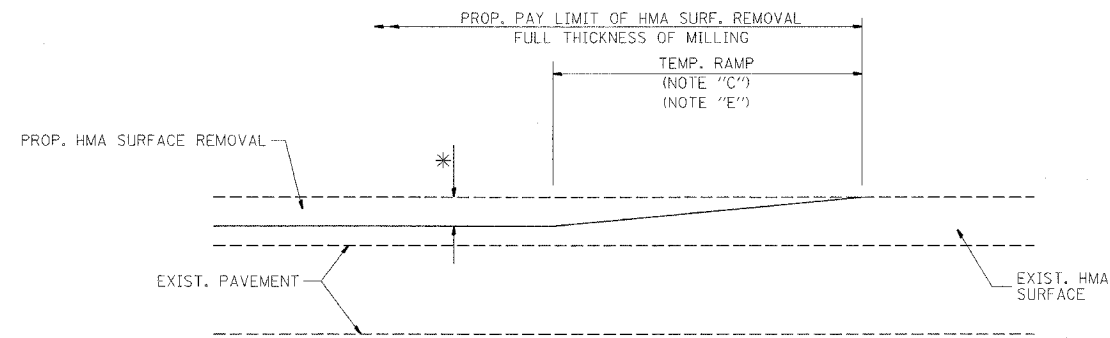
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HORIZ. PLOT DATE: 1/18/2007

DRAWN BY
CHECKED BY

BD400-04 (BD-22)

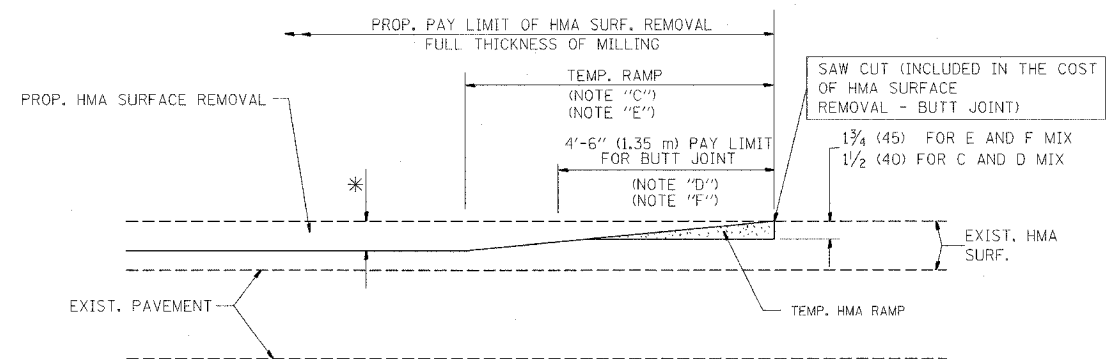
REVISION DATE: 01/01/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	52
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

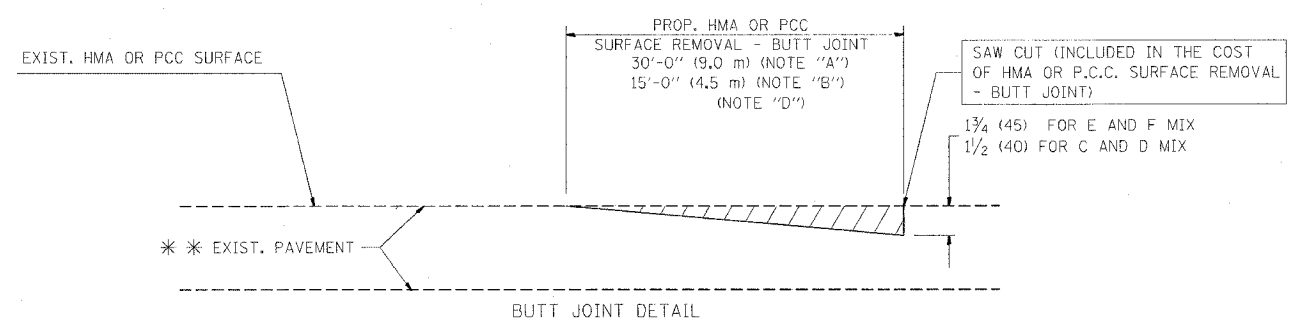
OPTION 1



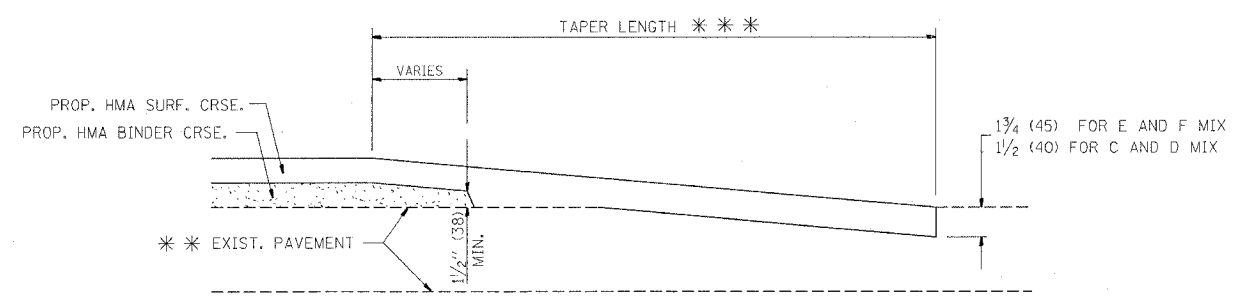
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

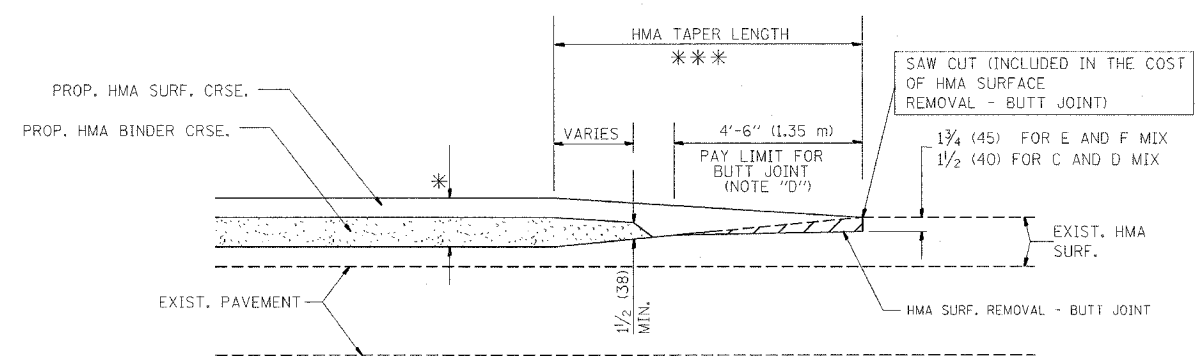
TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

BASIS OF PAYMENT:

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

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

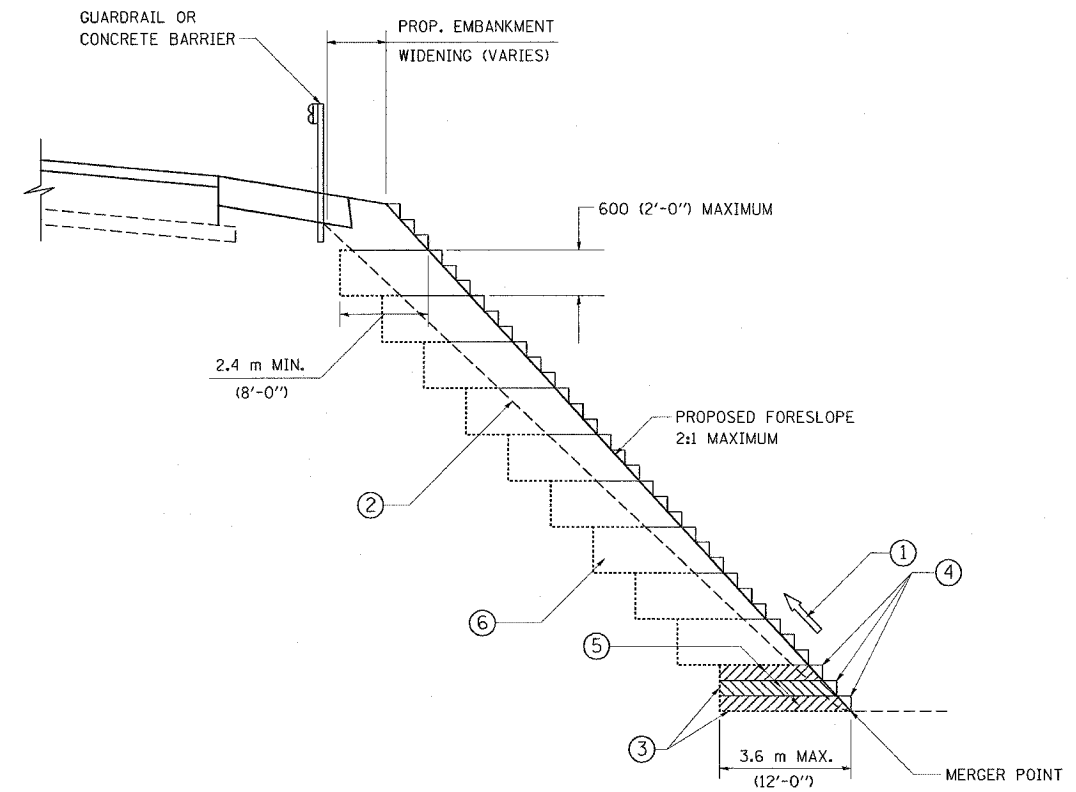
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HORIZ. NONE
PLOT DATE: 1/18/2007

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

PLOT DATE = 1/18/2007
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USER NAME = wilgreendp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	53
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

SCALE: VERT.
HORIZ.
DATE: 1/18/2007

DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

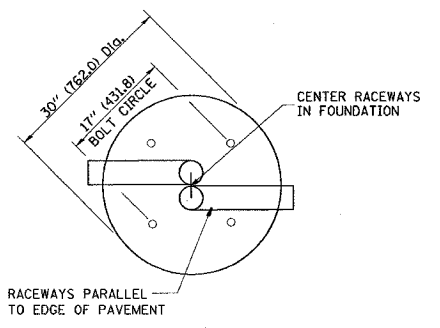
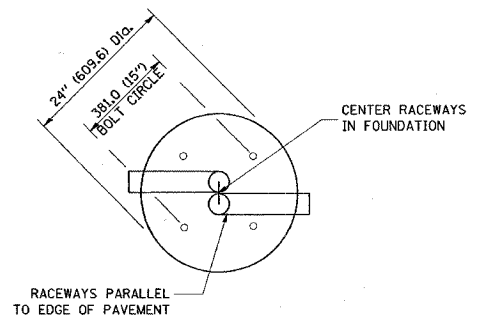
REVISION DATE: 6-16-2004

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USER NAME = wjgreendp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

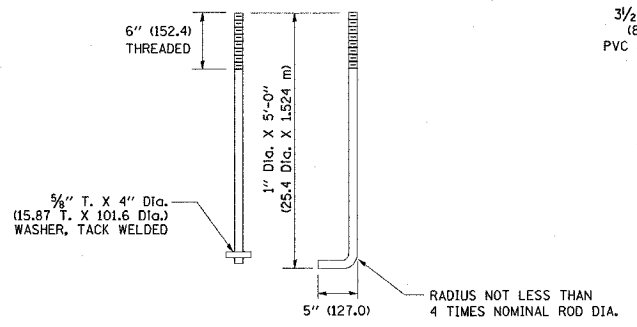
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ. FT.	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

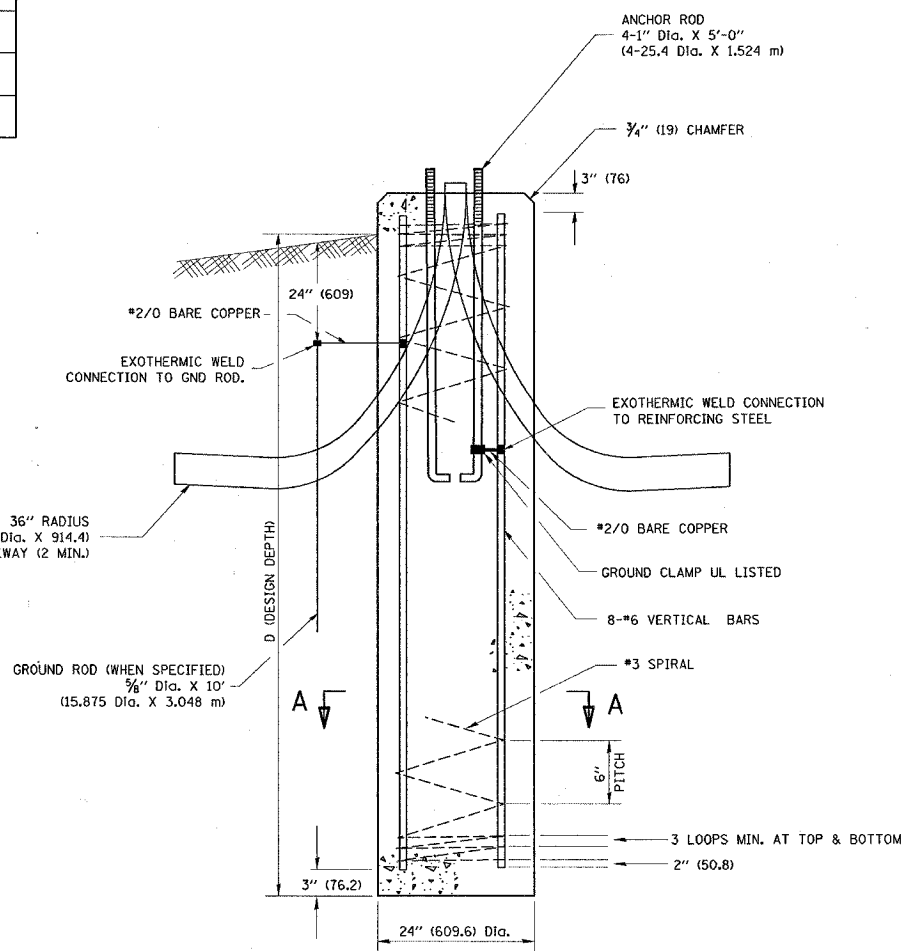


TOP VIEW

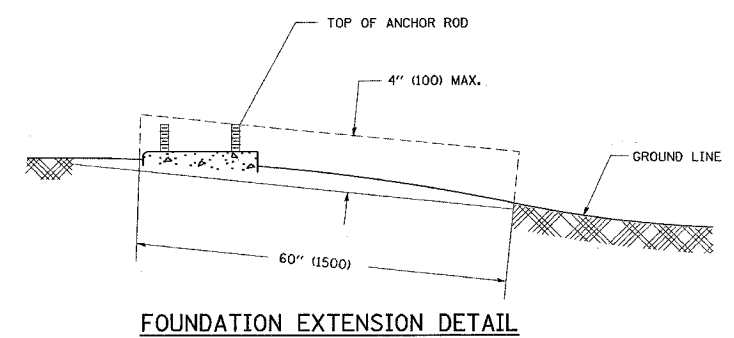
TOP VIEW



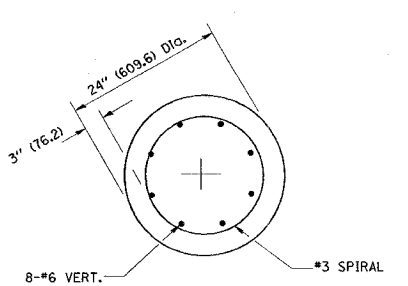
ANCHOR ROD DETAIL



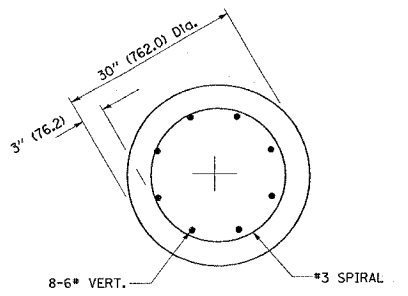
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (63.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

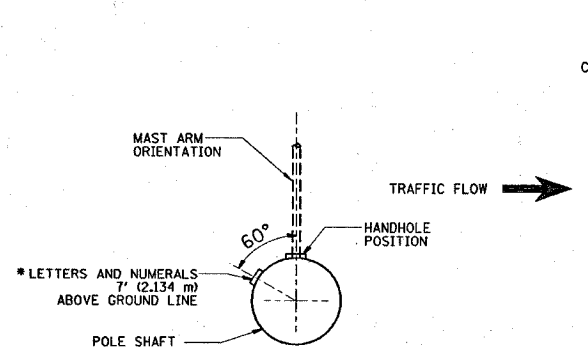
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H.
15" (381) BOLT CIRCLE

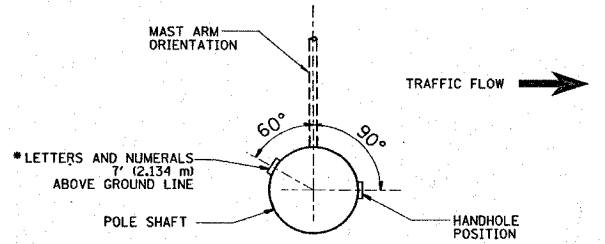
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DATE: 2/14/2007
DRAWN BY
CHECKED BY
BE301
REVISION DATE: 01/01/07

PLOT DATE = 2/14/2007
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USER NAME = wjg\wajg

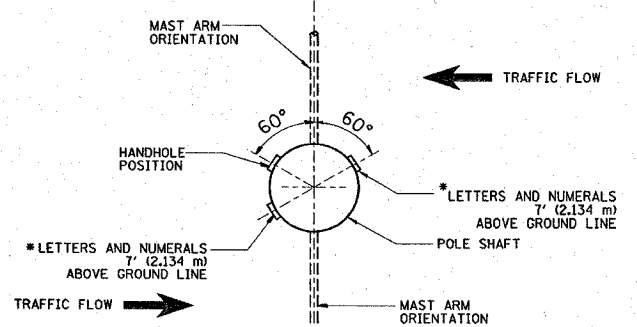
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	56
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



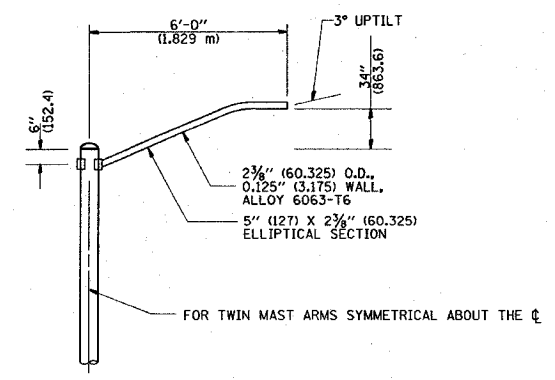
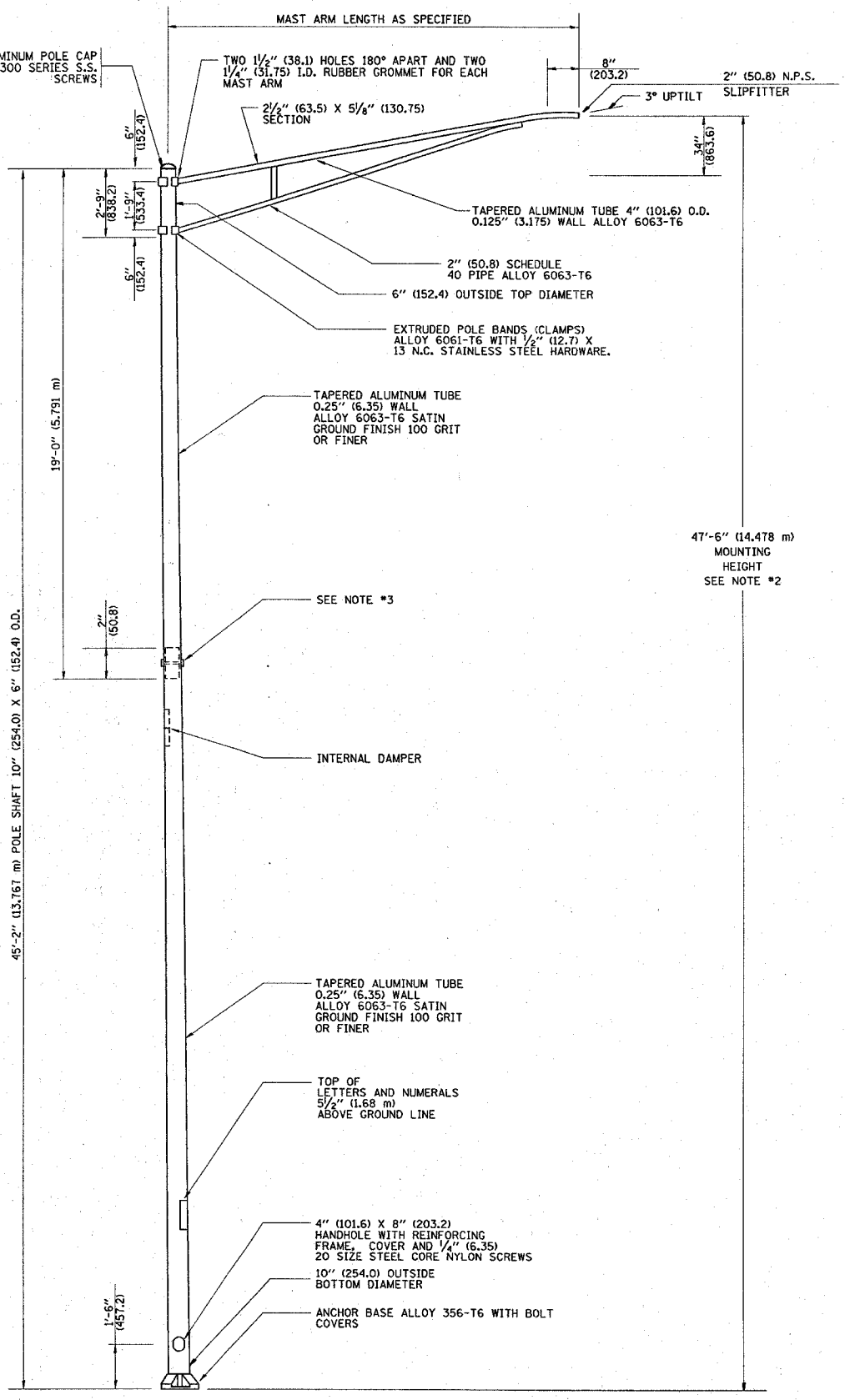
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



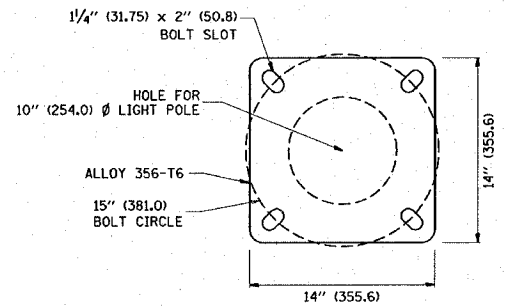
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



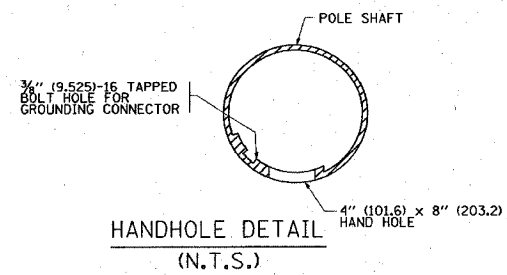
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

- NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR: BURNDY K2C23, T&B SP-DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

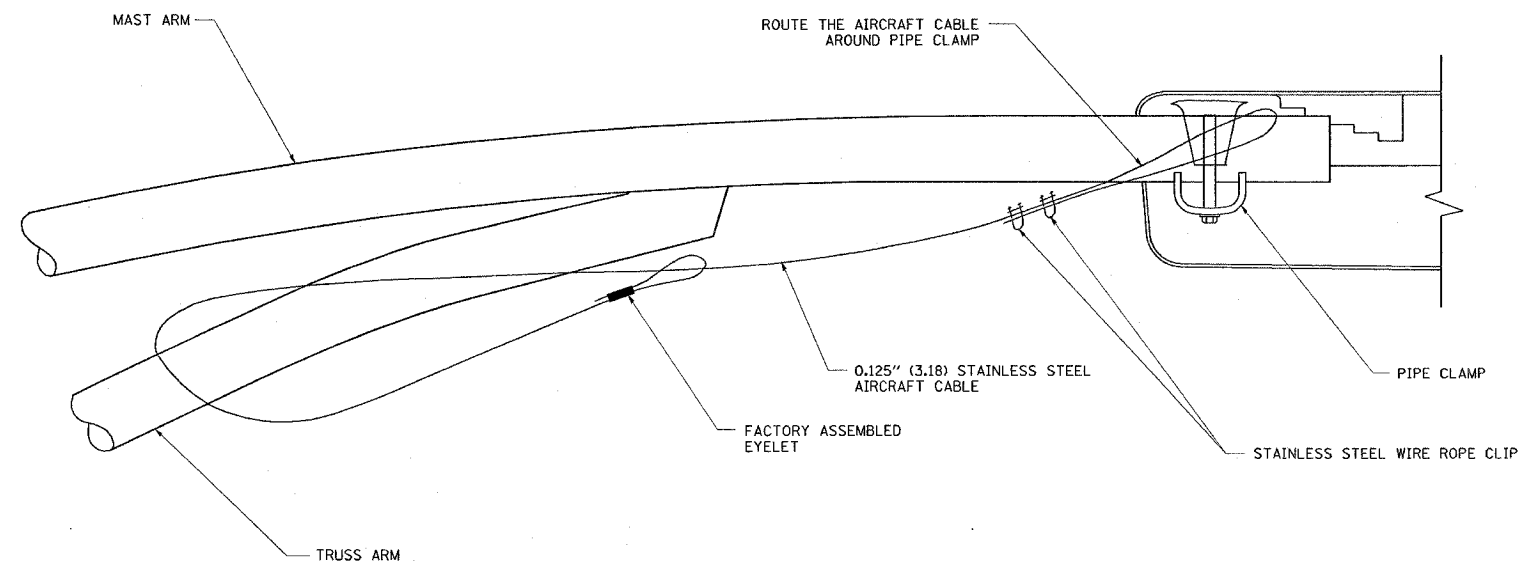
REVISIONS	
NAME	DATE
R. TOMSONS	9-6-00
R. TOMSONS	8-12-03

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALUMINUM LIGHT POLE
 47'-6" (14.478 m)
 MOUNTING HEIGHT

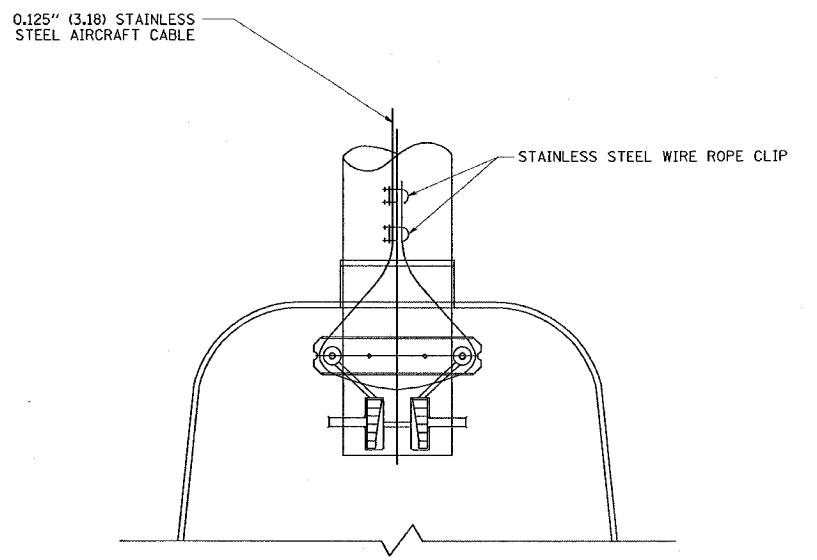
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 CHECKED BY: BE-400
 REVISION DATE: 09/02/03

PLOT DATE = 2/14/2007
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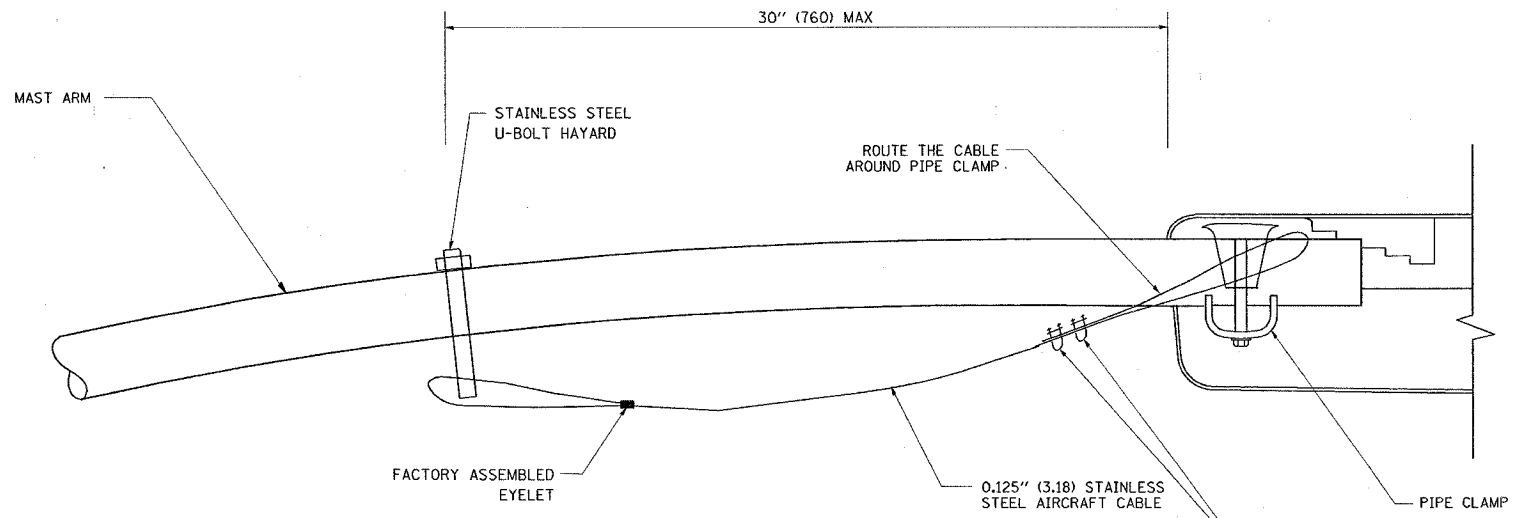
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	57
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



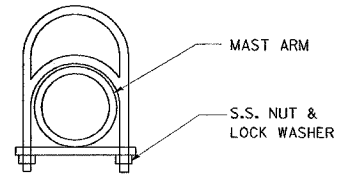
SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



STAINLESS STEEL U-BOLT HAYARD

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

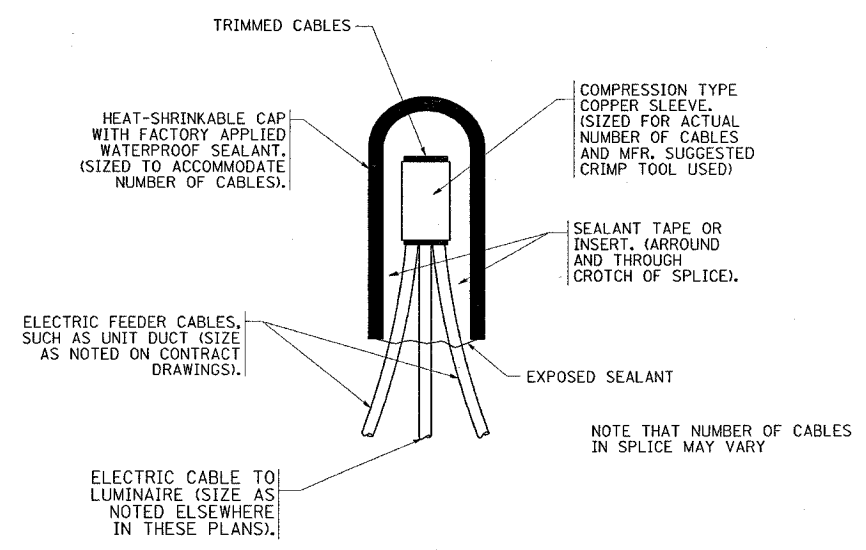
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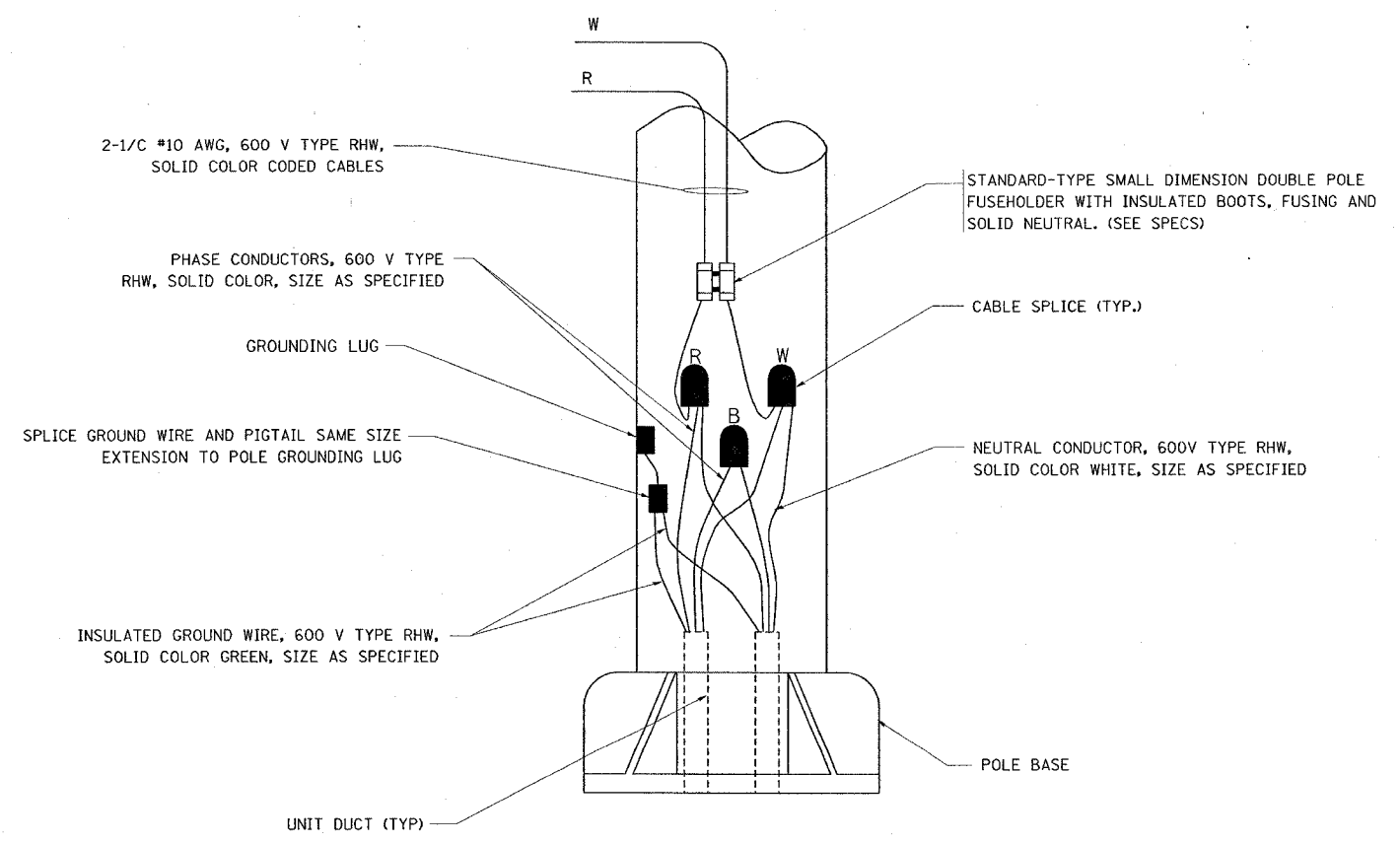
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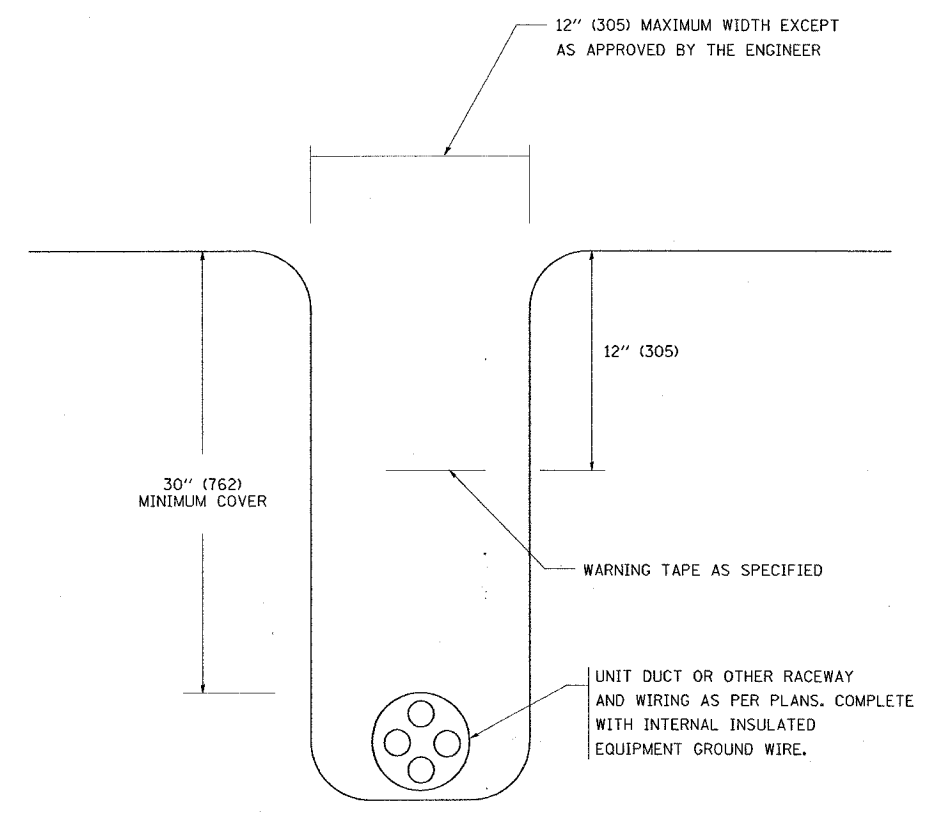
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	58
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

PLOT DATE = 2/14/2007
FILE NAME = s:\data\2007\02.dgn
JOB NO. = 00000 / 3N
USER NAME = rlg\rgmcp

REVISIONS	
NAME	DATE

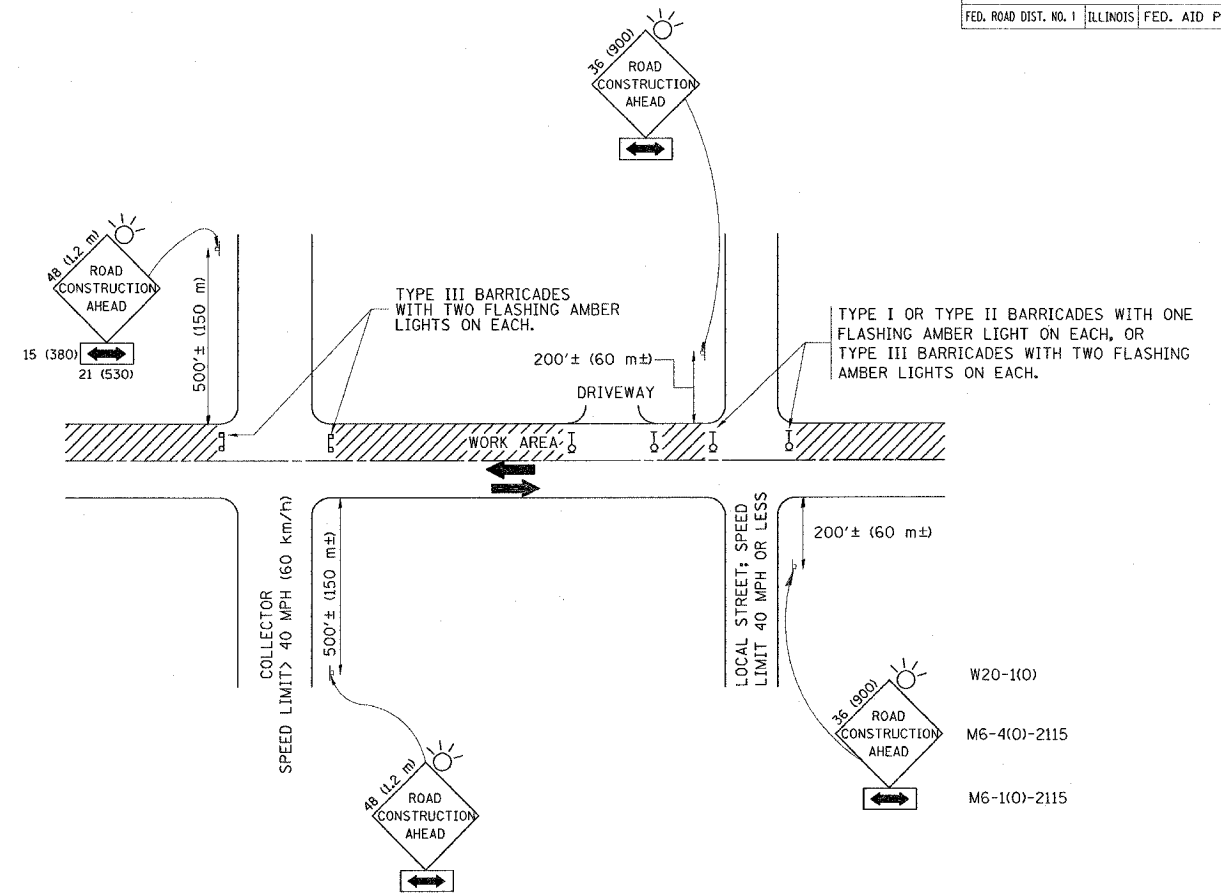
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: VERT.
HORIZ.
DATE: 2/14/2007

DRAWN BY
CHECKED BY
BE-702
REVISION DATE: 01/01/07

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	59
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

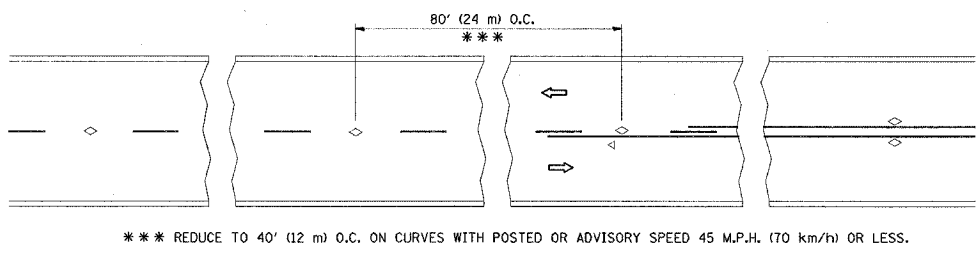
SCALE:
 DATE: 1/18/2007

DRAWN BY
 CHECKED BY
 TC-10

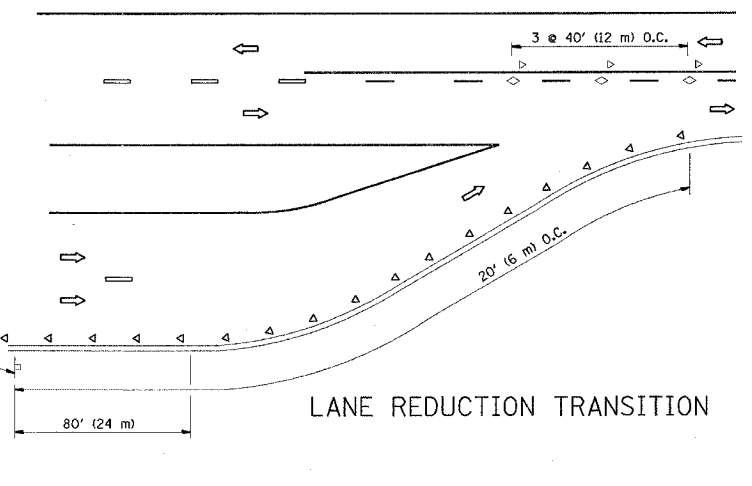
REVISION DATE: 01/06/00

PLOT DATE = 1/18/2007
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 USER NAME = wjgreendp

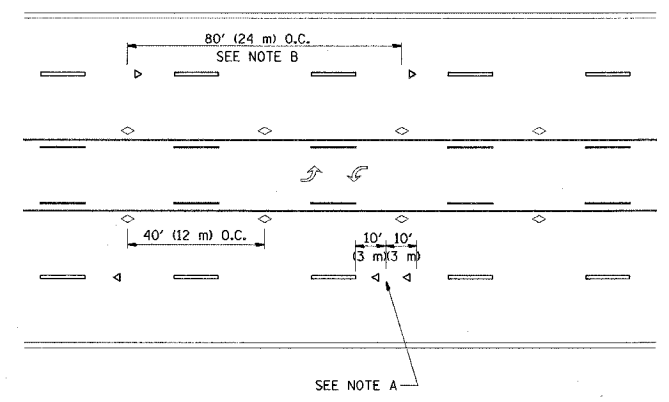
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	60
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



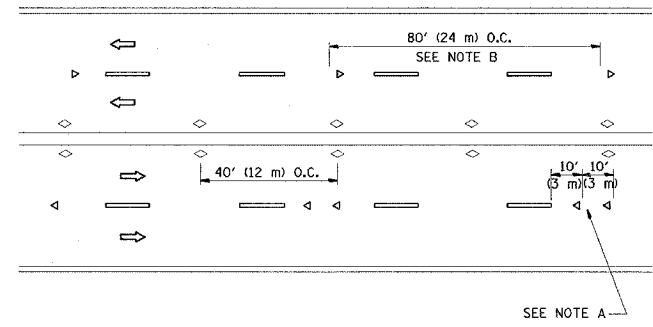
TWO-LANE/TWO-WAY



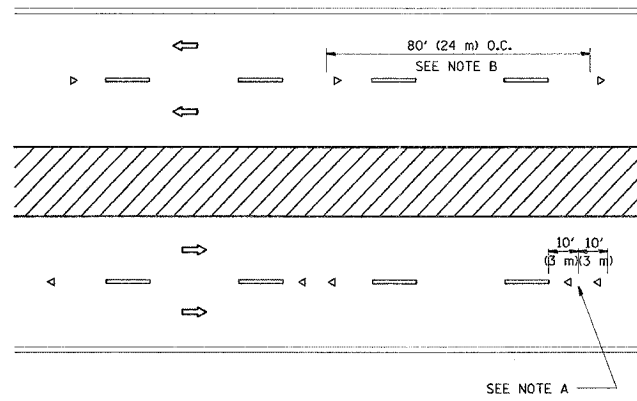
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

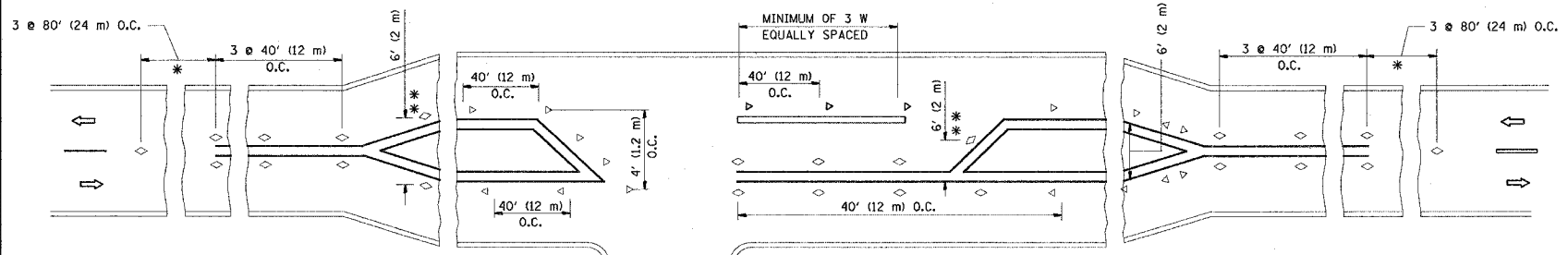
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

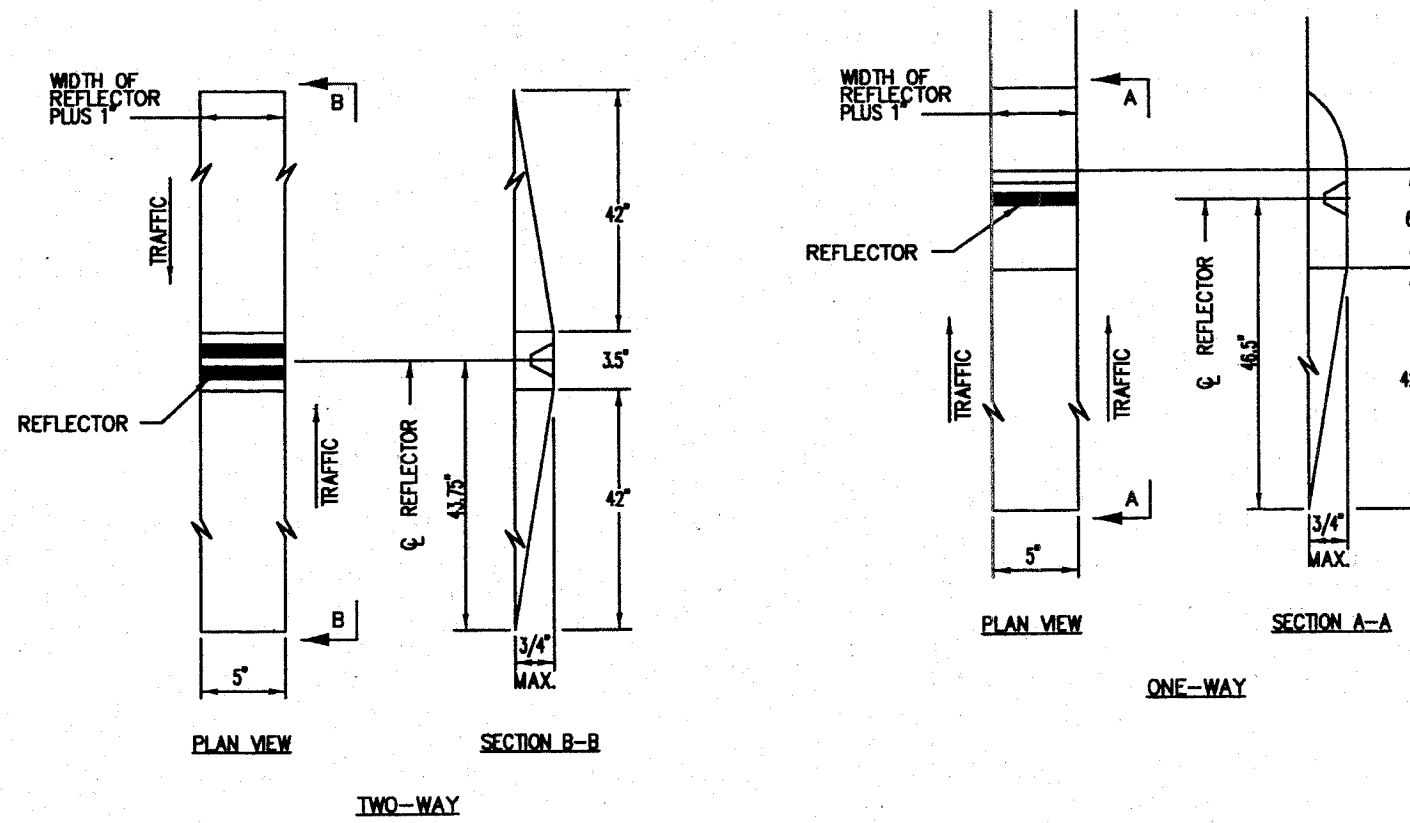
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DATE: 1/18/2007
 DRAWN BY CADD
 CHECKED BY TC-11

REVISION DATE: 01/06/00

PLOT DATE = 1/18/2007
 FILE NAME = w:\dstata\11.dgn
 PLOT SCALE = 50,000 / IN.
 USER NAME = wlgreendp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	61
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



GENERAL NOTES:

1. Installation shall conform to IDOT Highway Standard 781001-02 (or latest) for marker placement.
2. IDOT Standard 781001-02 shall be modified to reflect recessed pavement markers instead of raised pavement markers.

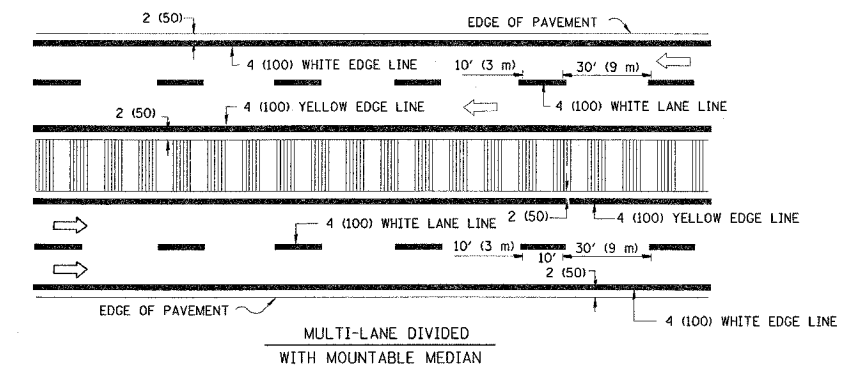
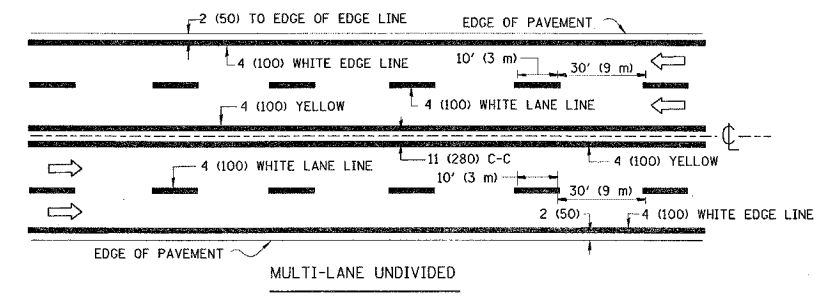
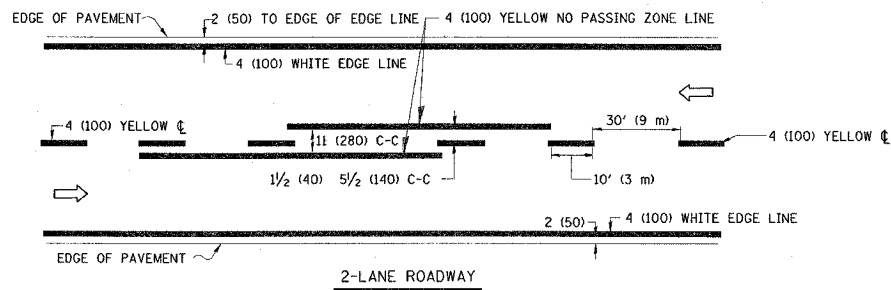
RECESSED REFLECTIVE PAVEMENT MARKERS

INSTALLATION NOTES:

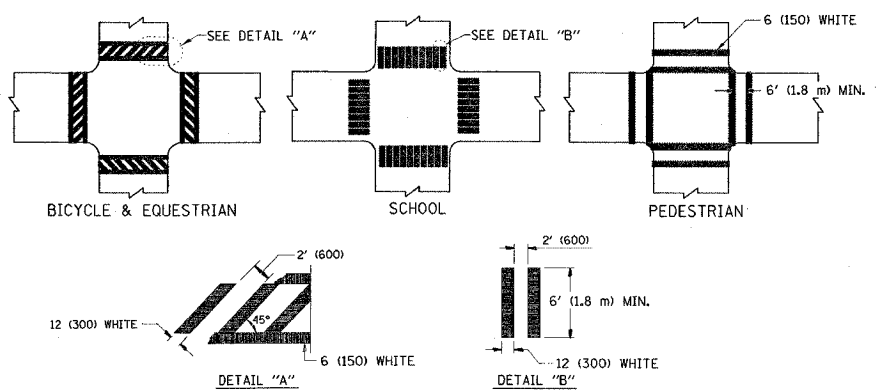
1. Saw cut to dimensions shown.
2. Sawcut areas to be dry and free of material that adversely affects the adhesive bond.
3. Install the reflector with an approved two-component epoxy adhesive. Epoxy should not obscure or block the lens.
4. Install top of reflector +/- 3/8 inch below the pavement surface.
5. Reflector shall be 3M Series 190 or approved equivalent.

TYPICAL
RECESSED REFLECTIVE
PAVEMENT MARKERS
STANDARD KC781001-03

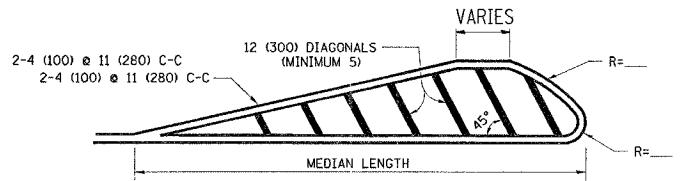
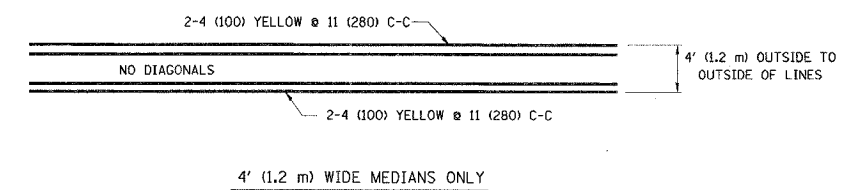
F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	62
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



TYPICAL LANE AND EDGE LINE MARKING

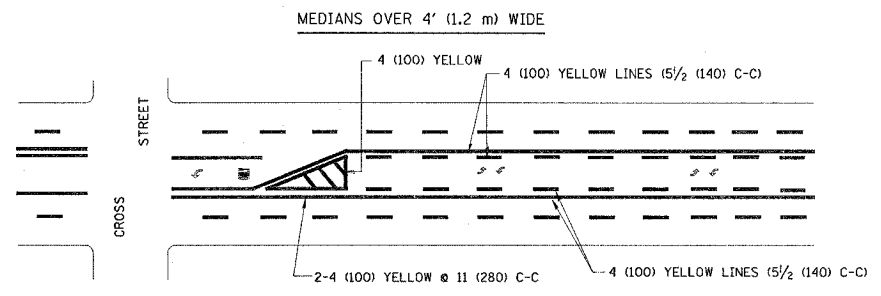


TYPICAL CROSSWALK MARKING

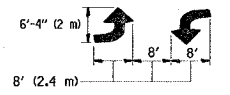


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

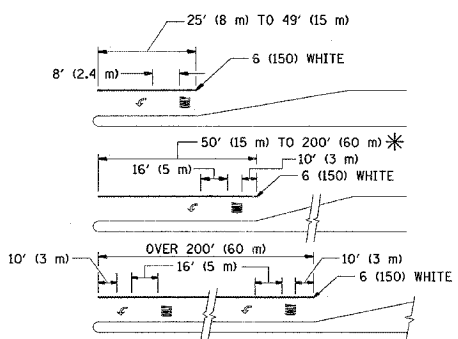
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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



TYPICAL PAINTED MEDIAN MARKING

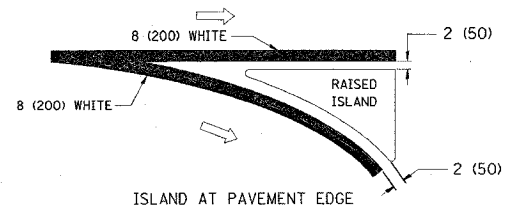
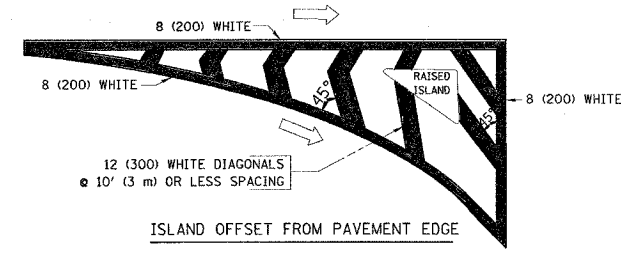


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

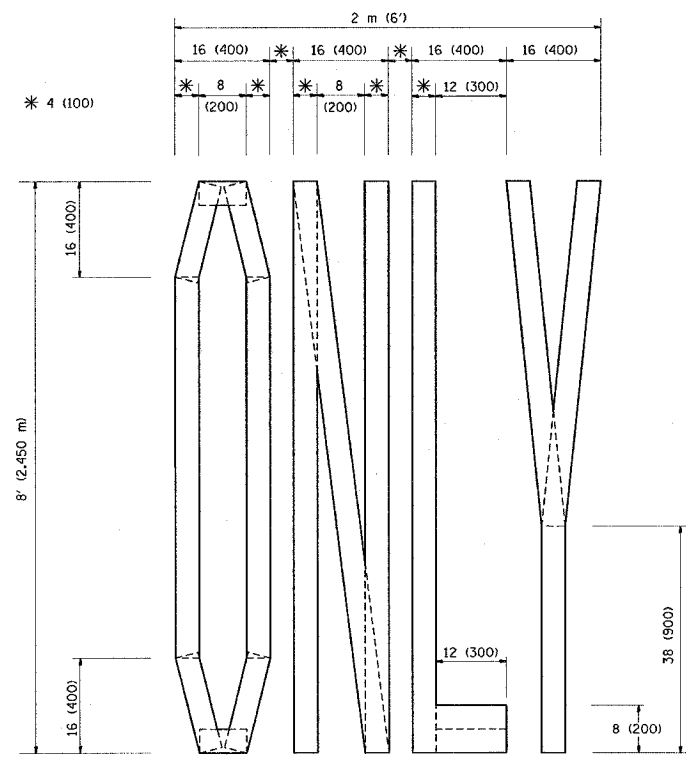
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

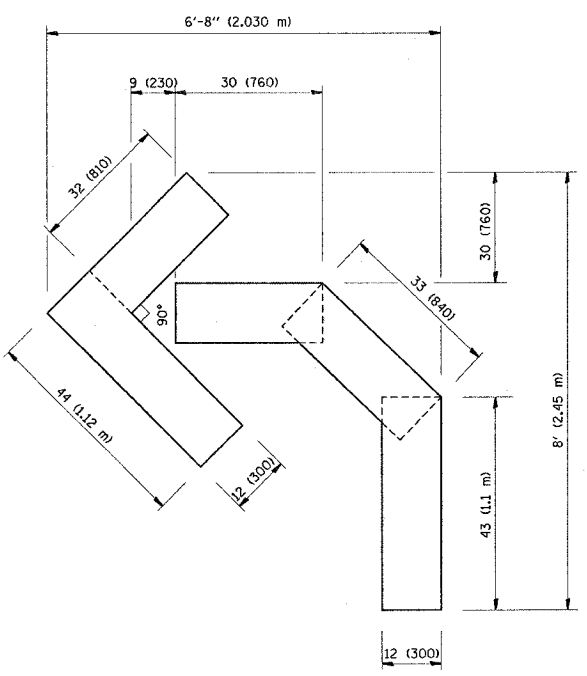
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 DRAWN BY CADD
 CHECKED BY
 TC-13
 REVISION DATE: 01/06/00

PLOT DATE = 1/18/2007
 PLOT SCALE = 3/8" = 1'-0"
 USER NAME = wjg

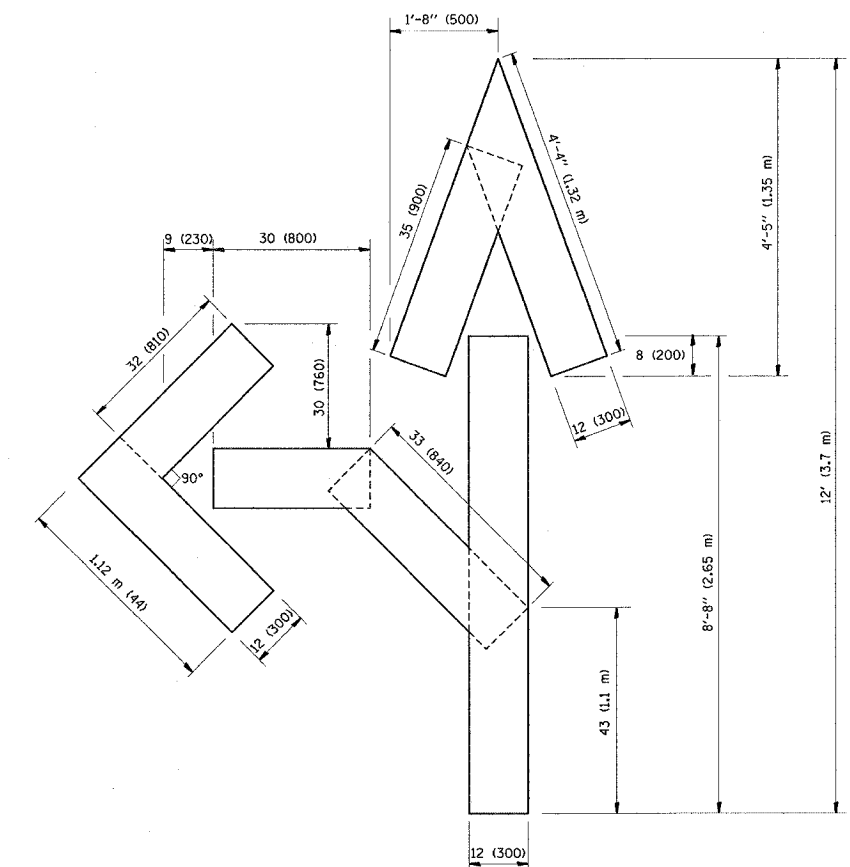
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	63
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)

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

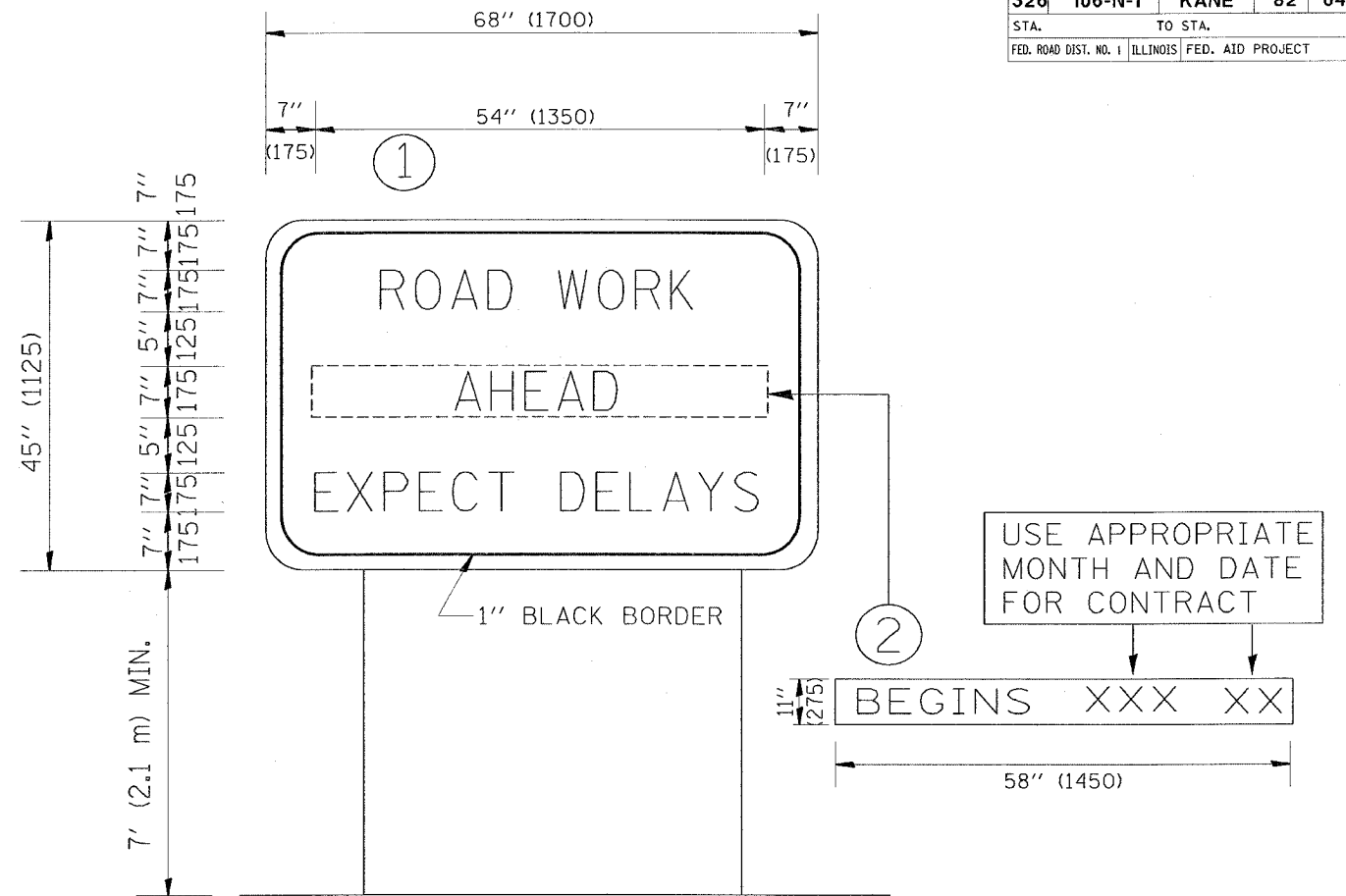
REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

SCALE: NONE
 DATE: 1/18/2007
 DRAWN BY CADD
 CHECKED BY
 TC-16

PLOT DATE = 1/18/2007
 FILE NAME = m:\data\vd\bdgn
 USER NAME = m\prasad

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	64
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

SCALE:
DATE: 1/18/2007

DRAWN BY DESIGN
CHECKED BY

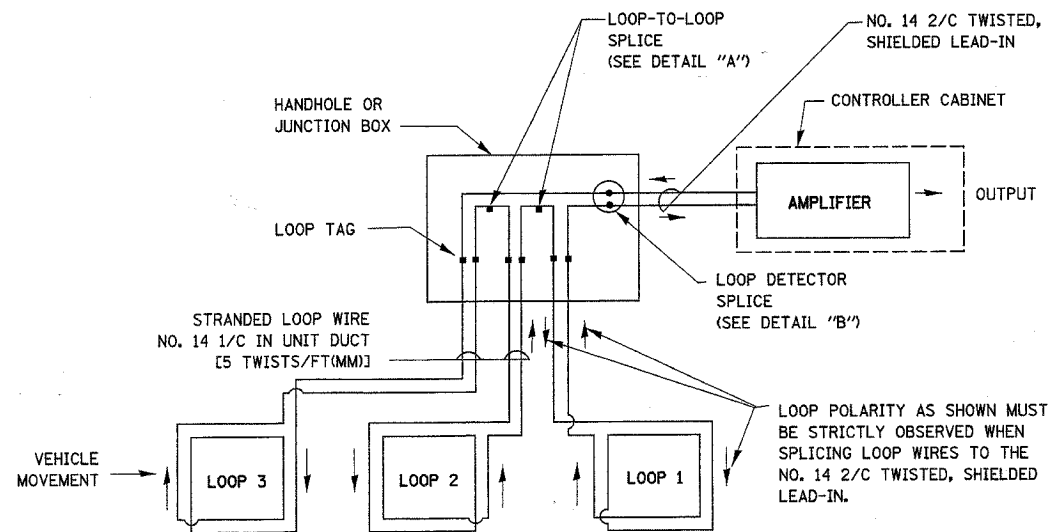
TC22
REVISION DATE: 02/02/99

PLOT DATE = 1/18/2007
PLOT SCALE = 50.000 / IN.
USER NAME = wlgwardp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	65
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

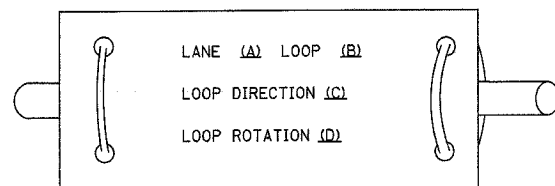
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED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



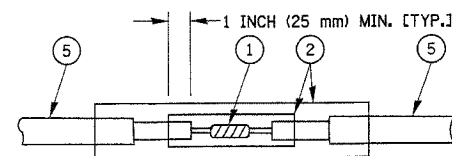
DETECTOR LOOP WIRING SCHEMATIC

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

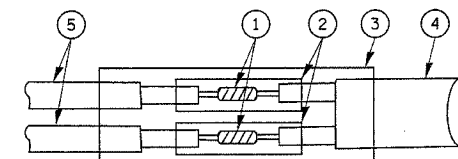
LOOP LEAD-IN CABLE TAG



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



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



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

LOOP DETECTOR SPLICE

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS**

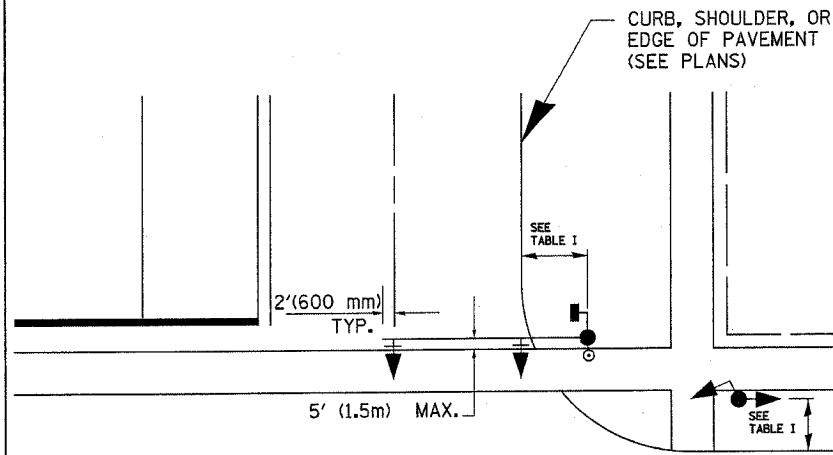
SCALE: VERT. NONE
 HORIZ. NONE
 DATE 1-01-02

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 1 OF 4

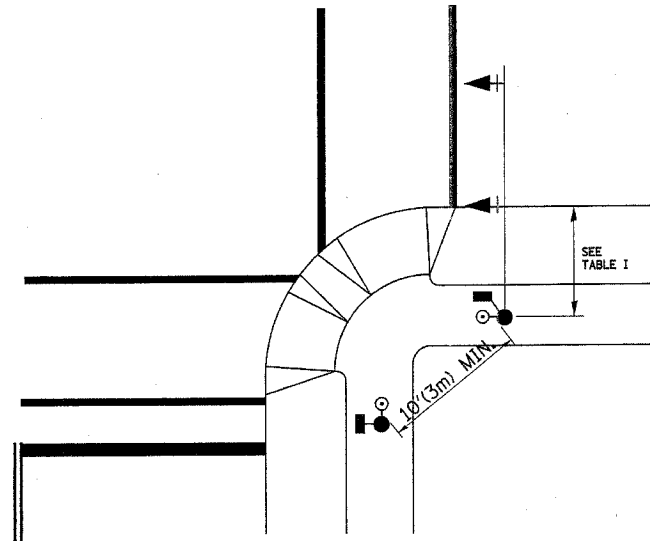
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	66
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

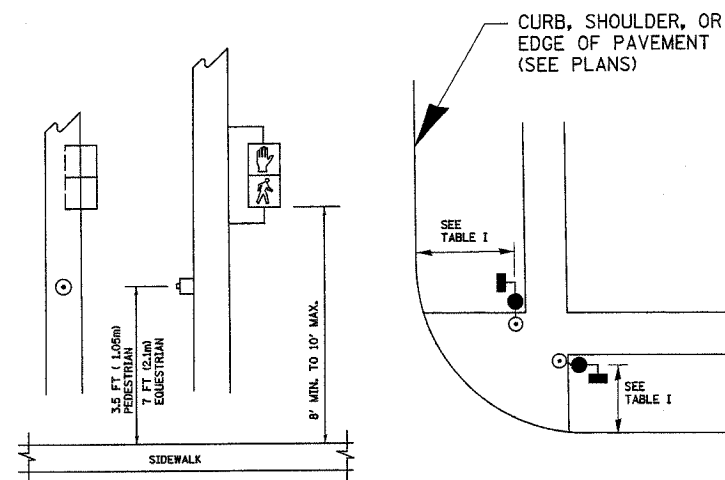


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

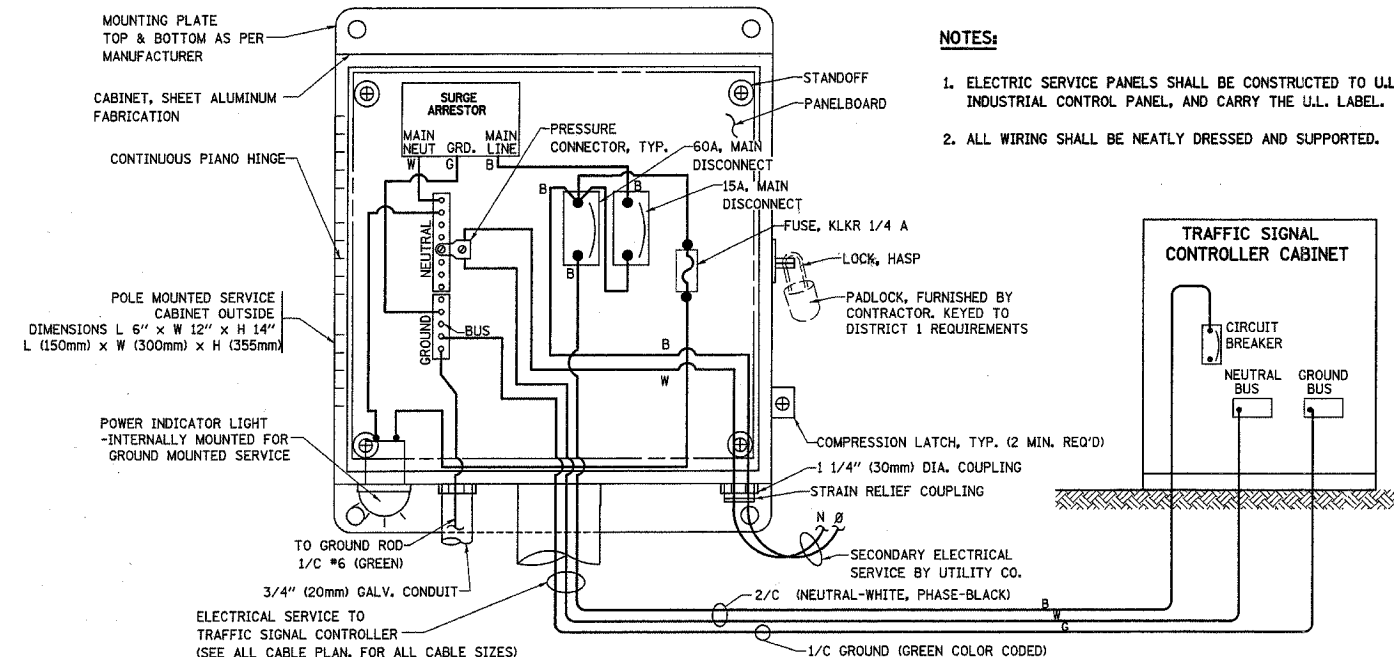
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

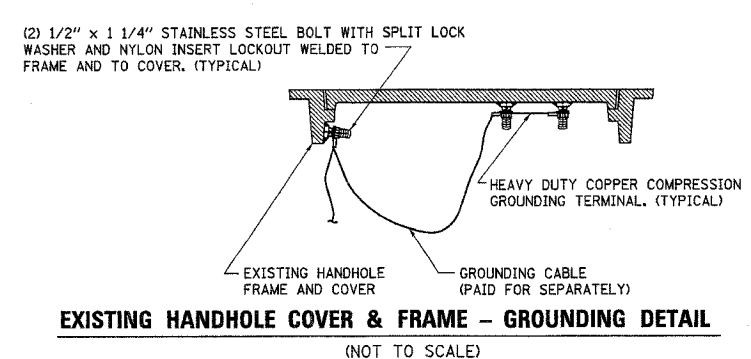
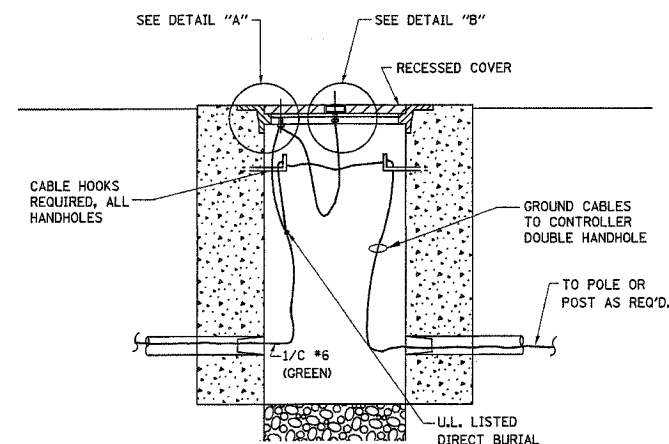
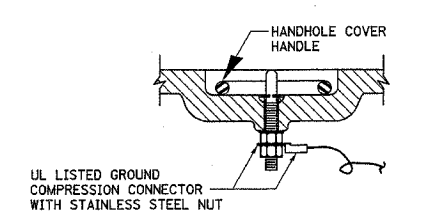
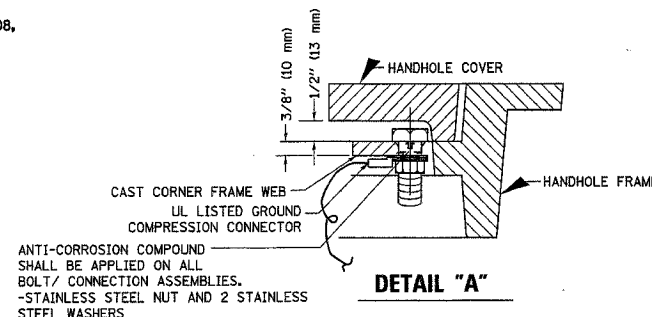
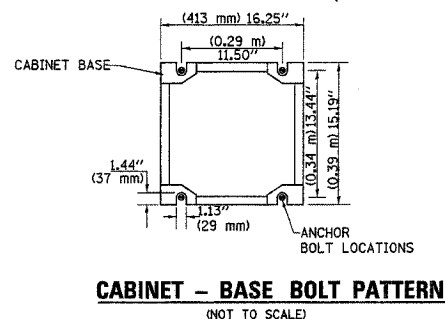
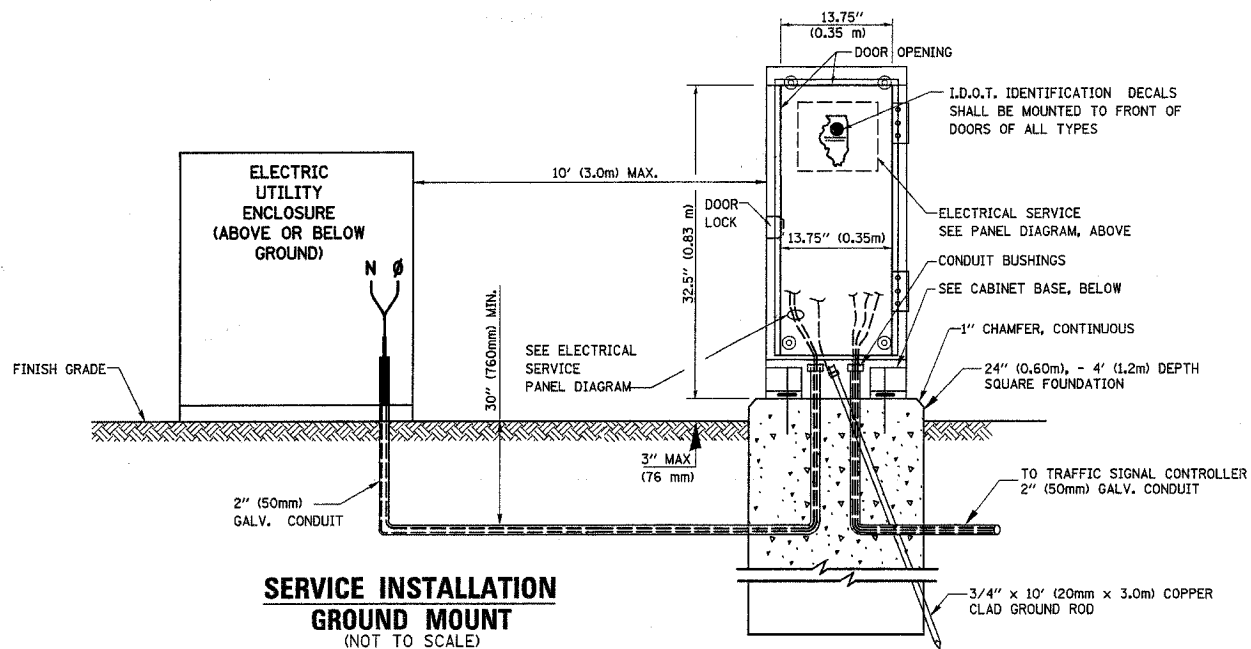
SCALE: VERT. NONE
 HORIZ. NONE
 DATE 1-01-02

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 2 OF 4

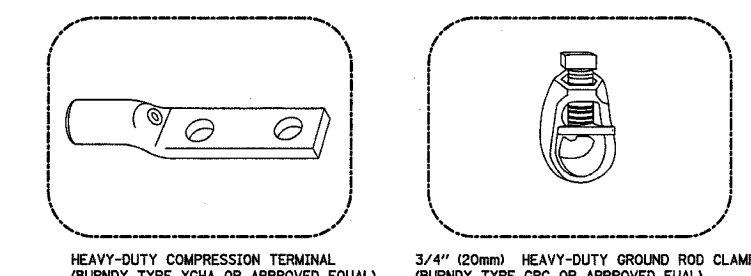
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	67
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



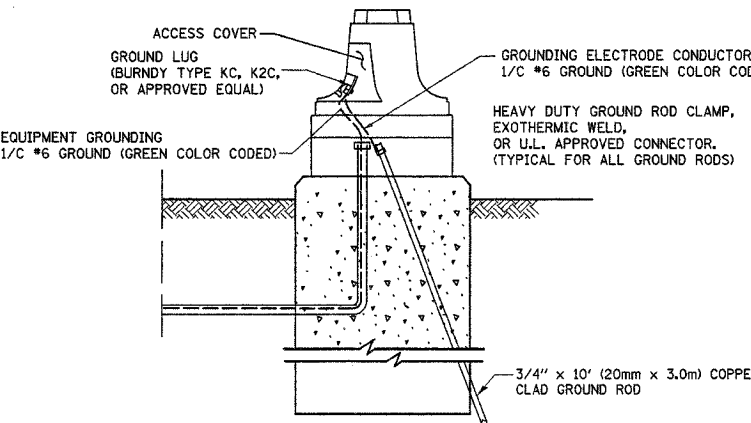
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



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



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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

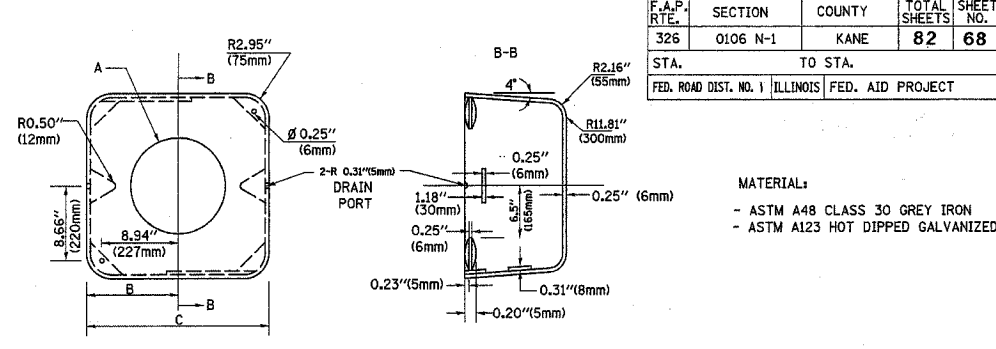
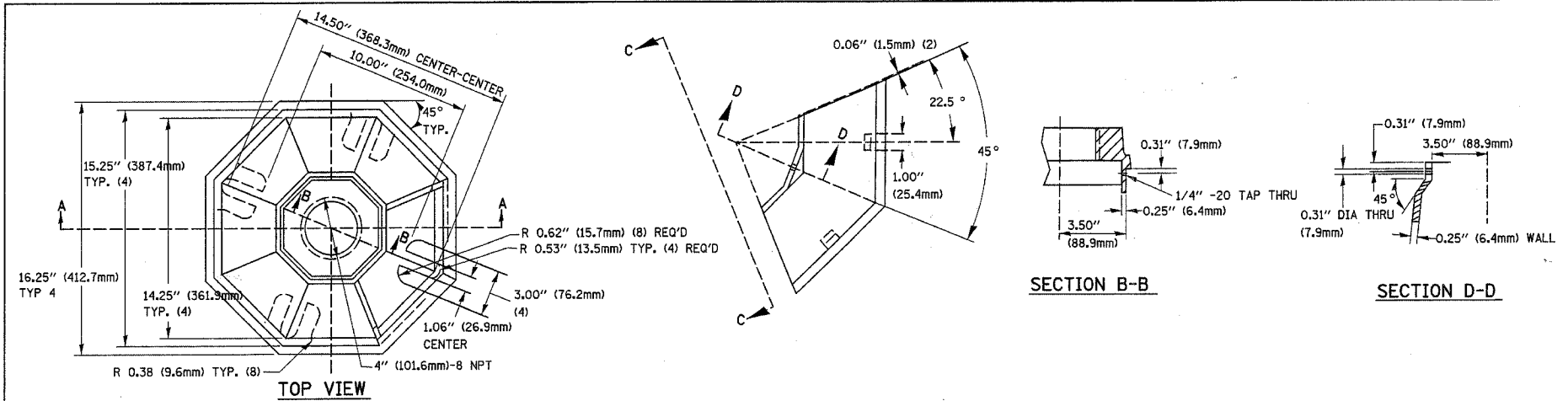
DISTRICT 1
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT. NONE
 HORIZ. 1-01-02

DATE 1-01-02

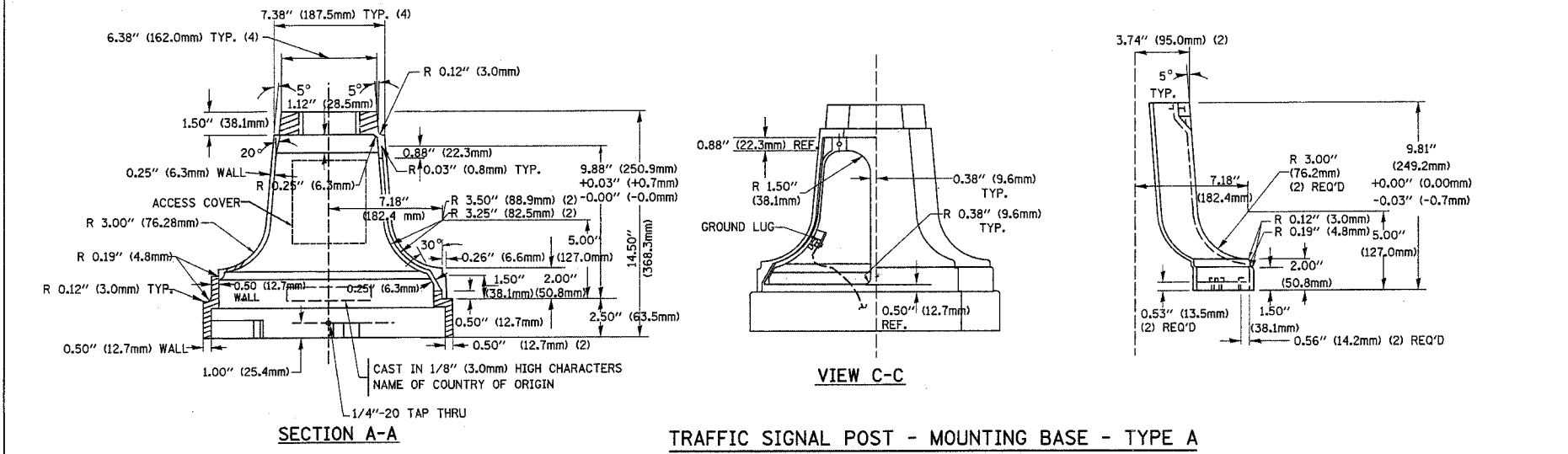
DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	68
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

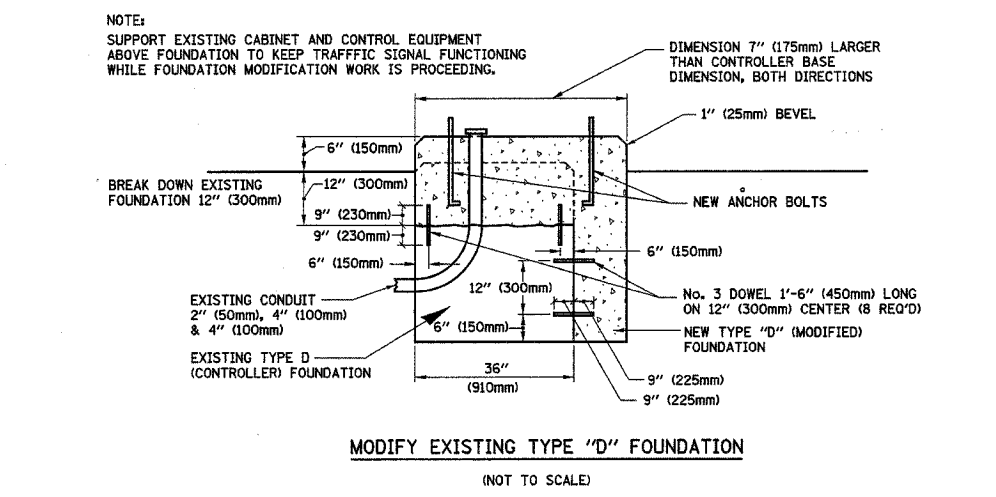


TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125\"(257mm)	9.5\"(241mm)	19\"(483mm)	12\"(300mm)	24kg
II	Ø 11.125\"(283mm)	10.75\"(273mm)	21.5\"(546mm)	12\"(300mm)	26kg

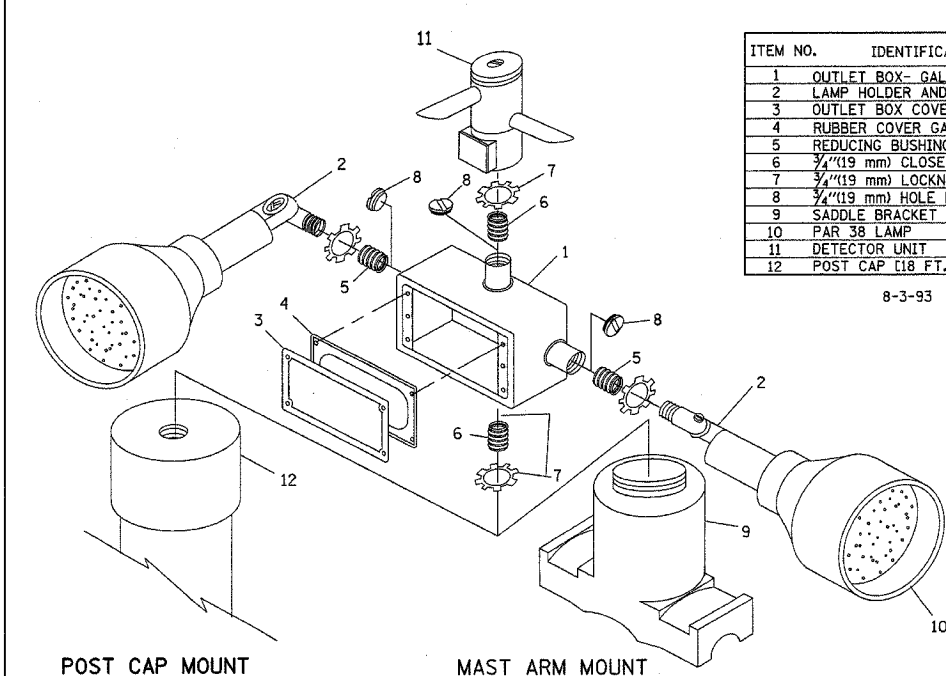
SHROUD DETAIL



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

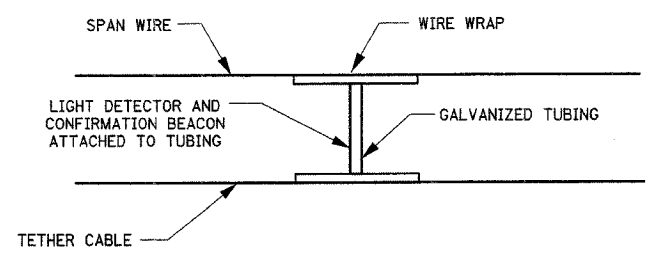
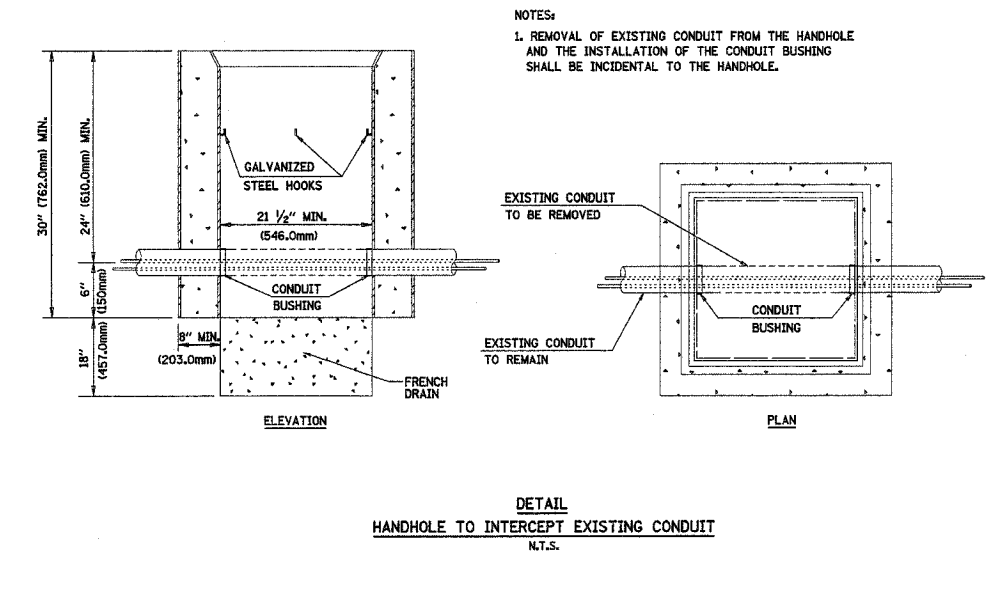


MODIFY EXISTING TYPE "D" FOUNDATION



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

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



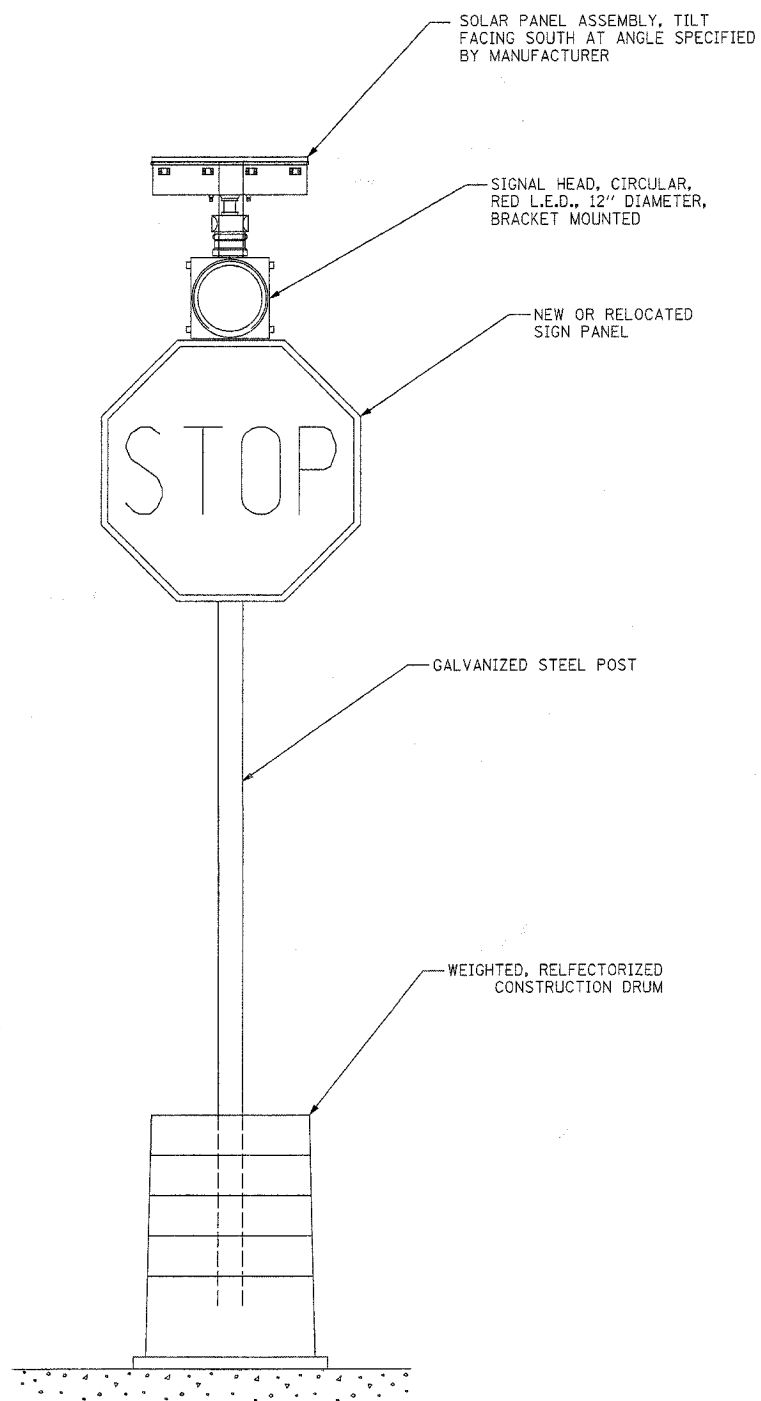
LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS (NOT TO SCALE)

POST CAP MOUNT MAST ARM MOUNT EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: VERT. NONE
 HORIZ. DATE 1-01-02
 DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 4 OF 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	0106 N-1	KANE	82	69
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



TEMPORARY SOLAR POWERED FLASHING BEACON
(NOT TO SCALE)

REVISIONS	
NAME	DATE

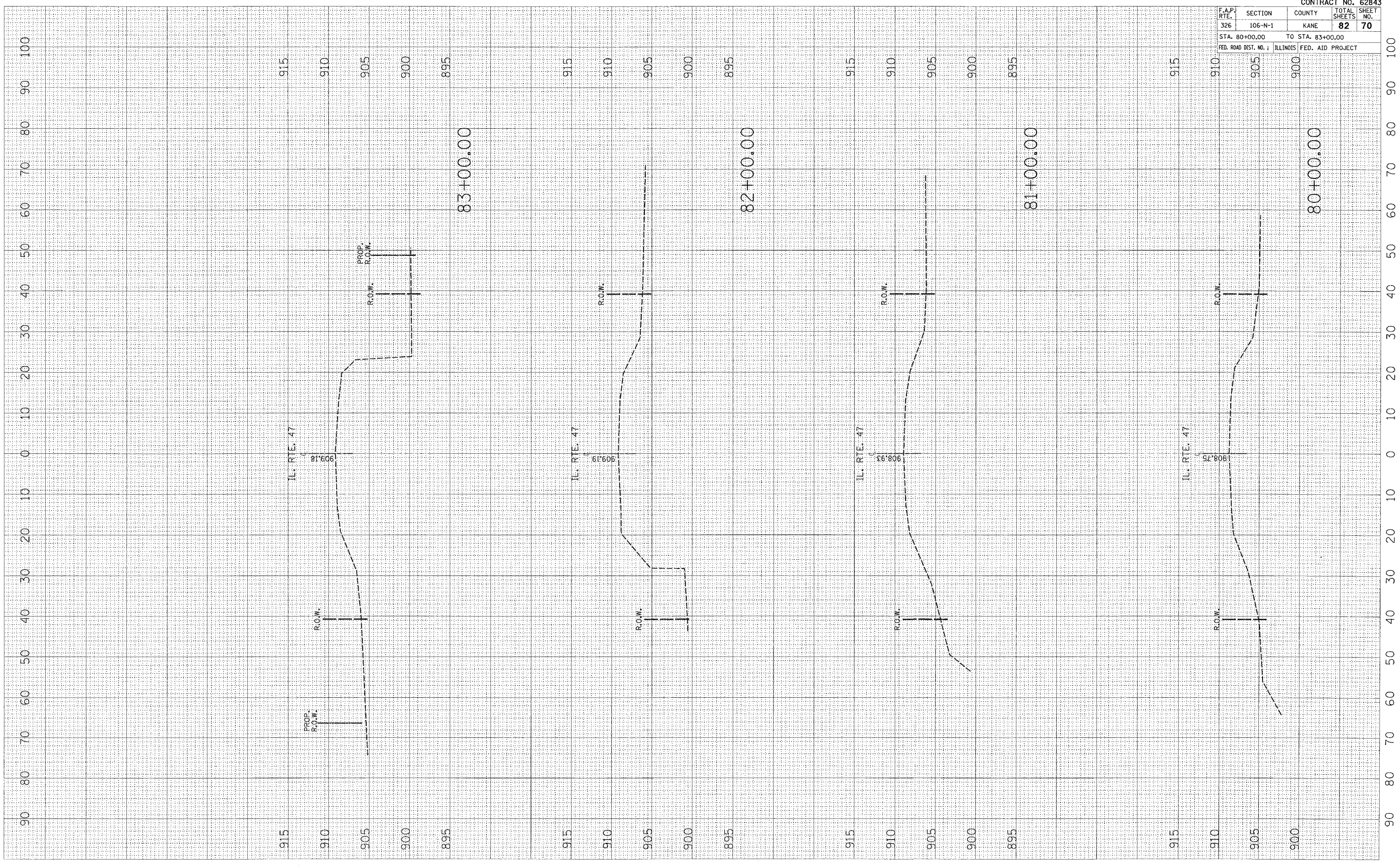
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SOLAR POWERED FLASHING BEACON
 INSTALLATION DETAIL
 ILL. ROUTE 47 AND BIG TIMBER ROAD
 SCALE: 1" = 20'
 DATE: 1/22/2007
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = 1/17/2007
 PLOT SCALE = 10.0000' / IN.
 USER NAME = mlgreendp

ORIGINAL SURVEY NO. _____
 SURVEY PLOTTED BY _____
 NOTE NO. _____
 AREA CHECKED _____

FINAL SURVEY NO. _____
 SURVEY PLOTTED BY _____
 NOTE BOOK NO. _____
 AREA CHECKED _____

DATE _____
 BY _____



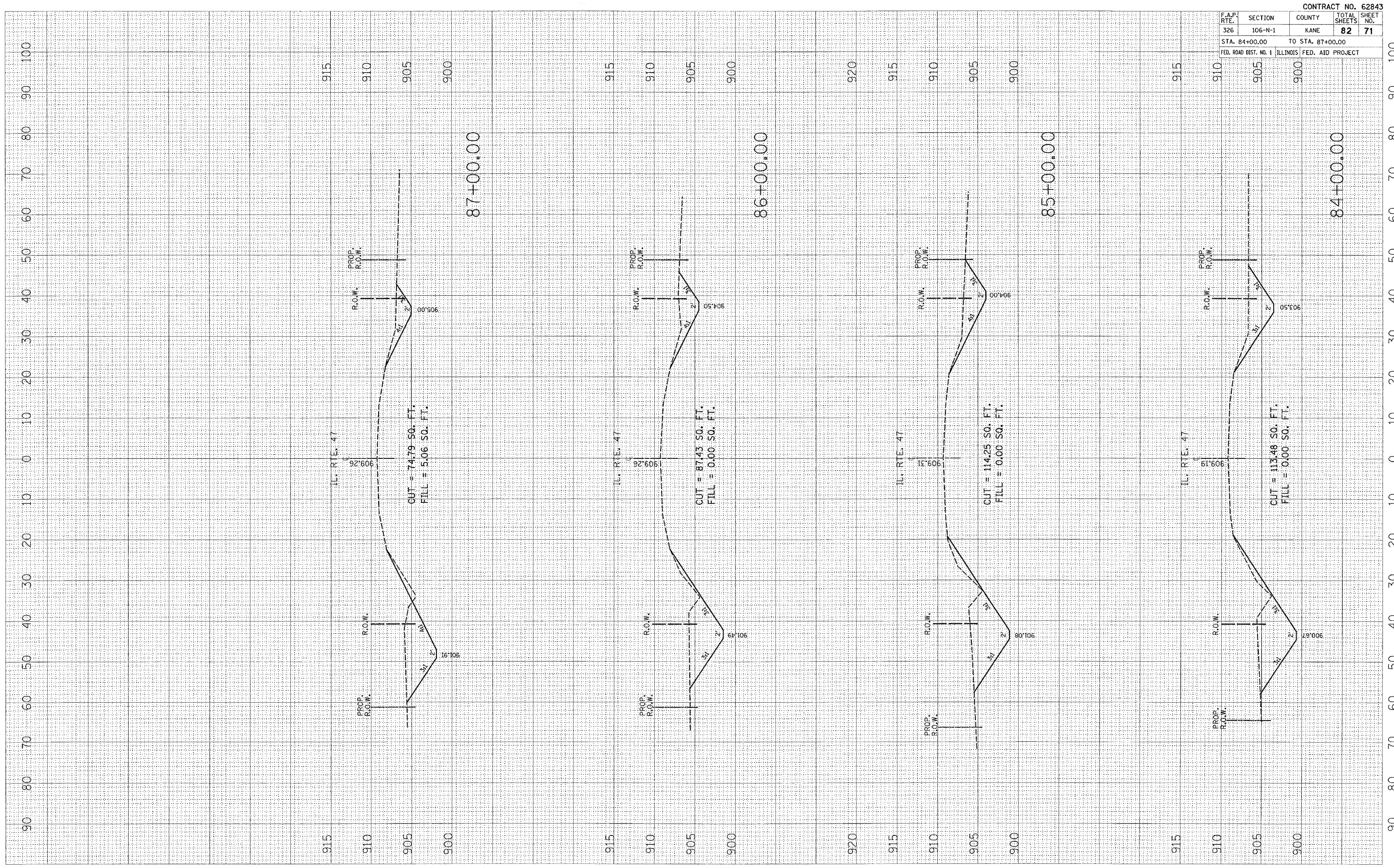
CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	70
STA. 80+00.00		TO STA. 83+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

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 TEMPLATE AREAS CHECKED
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FINAL SURVEY PLOTTED
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 TEMPLATE AREAS CHECKED
 NO. AREAS CHECKED

BY DATE

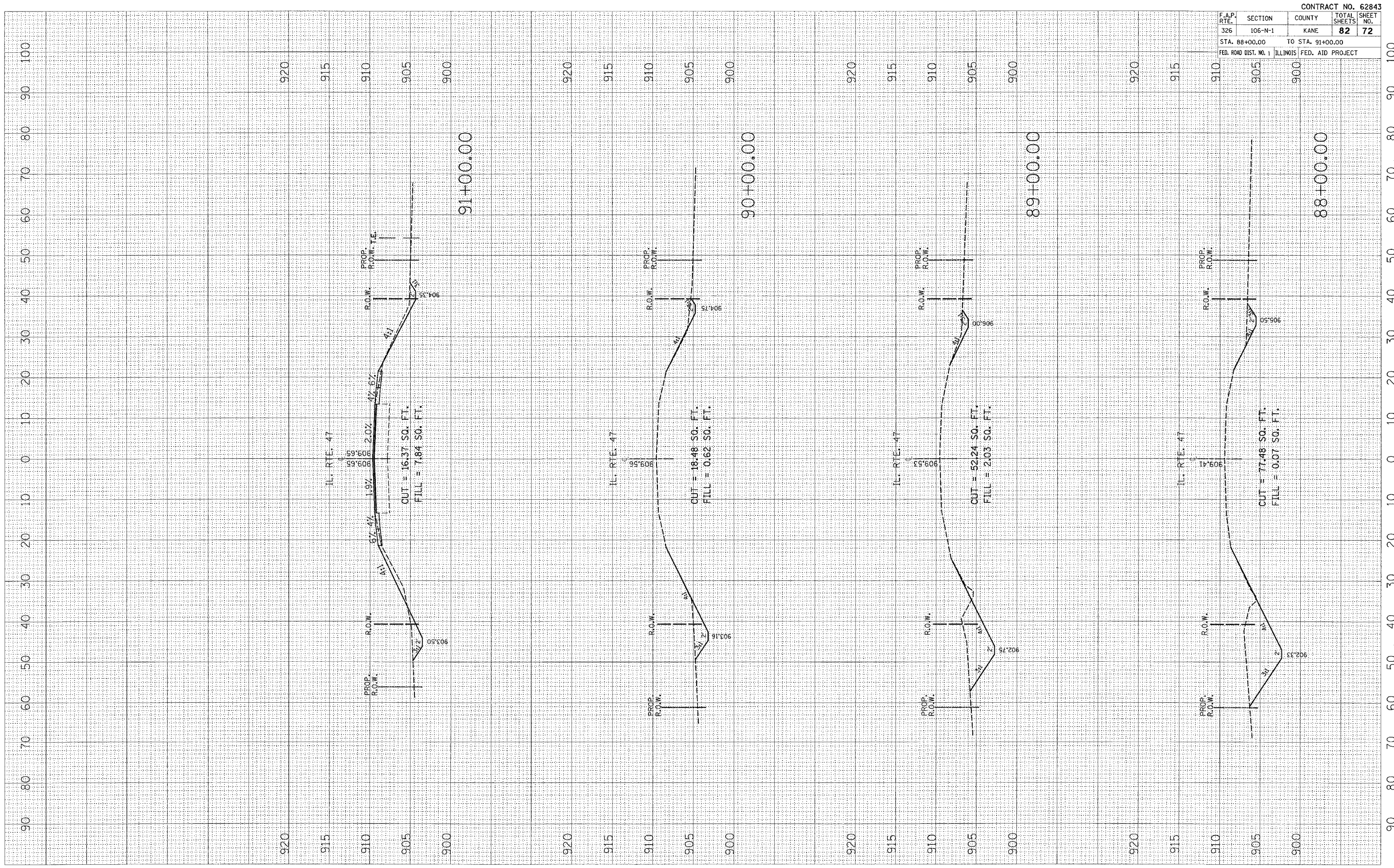


CONTRACT NO. 62843				
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326	106-N-1	KANE	82	71
STA. 84+00.00		TO STA. 87+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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 SURVEY BOOK NO. _____
 TEMPLATE NO. _____
 AREAS CHECKED _____

FINAL SURVEY SURVEYED PLOTTED
 SURVEY BOOK NO. _____
 TEMPLATE NO. _____
 AREAS CHECKED _____



CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	72
STA. 88+00.00		TO STA. 91+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2007
 USER NAME = ulgreene@p
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 SURVEY PLOTTED
 NOTE BOOK NO. 17-117-104
 AREAS CHECKED

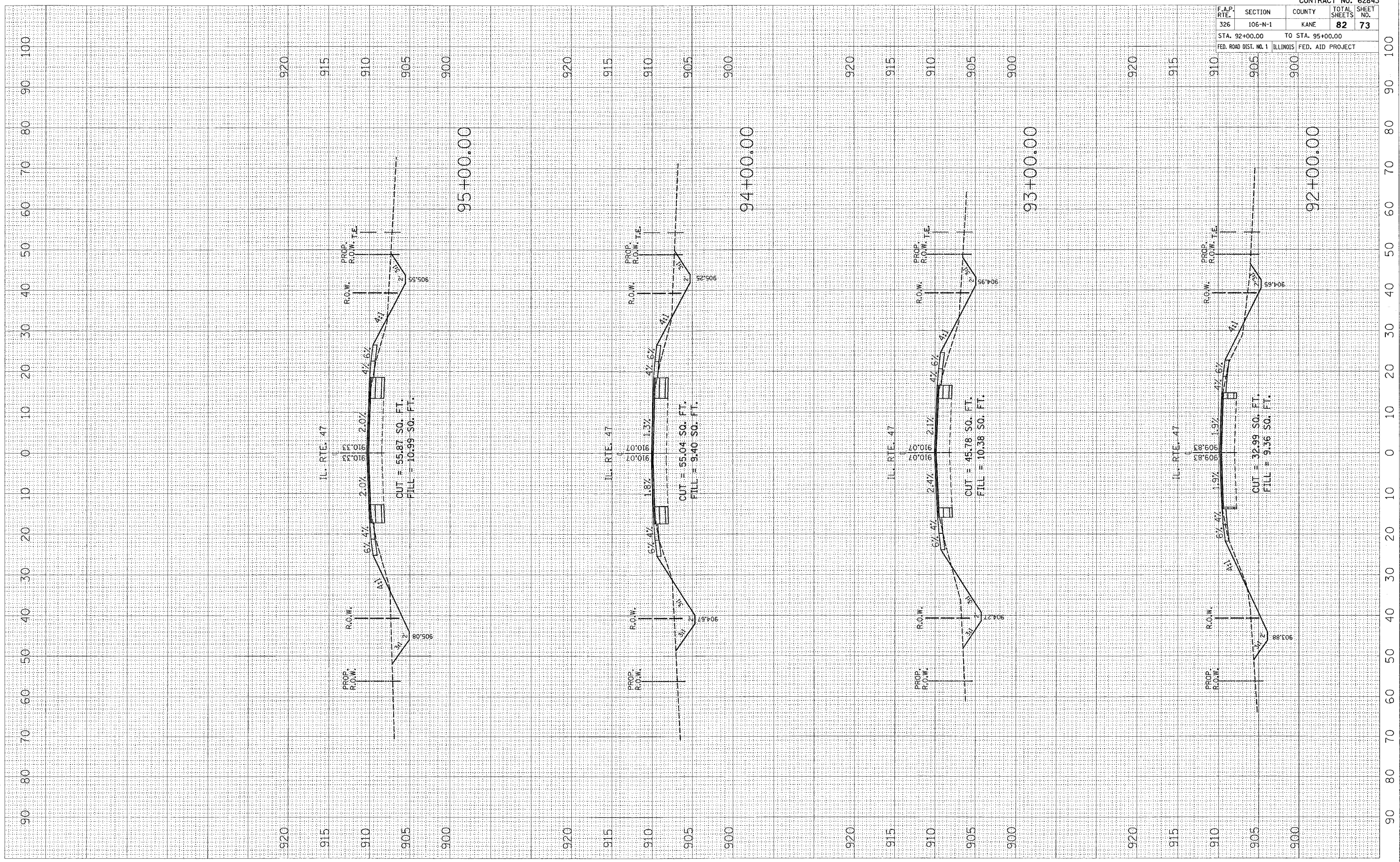
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 NOTE BOOK NO. 17-117-104
 AREAS CHECKED

BY _____

DATE _____

BY _____

DATE _____



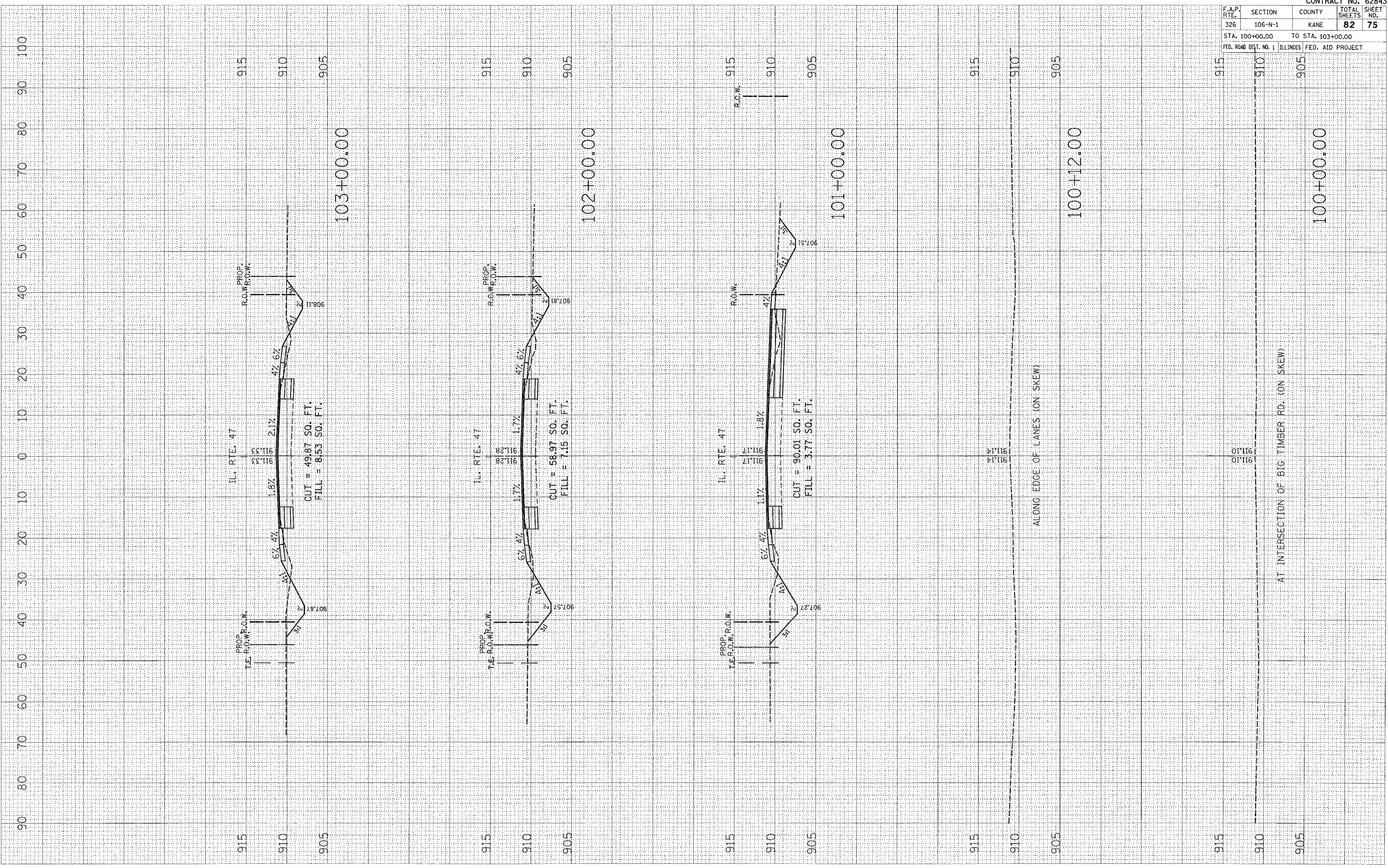
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	73
STA. 92+00.00		TO STA. 95+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 62843

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PLOT DATE = 1/17/2007
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 USER NAME = wlgreenp

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 DATE _____
 BY _____
 NO. _____
 AREAS CHECKED _____
 TEMPLATES _____
 NOTE BOOK _____
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 DATE _____
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 BY _____
 NO. _____
 AREAS CHECKED _____



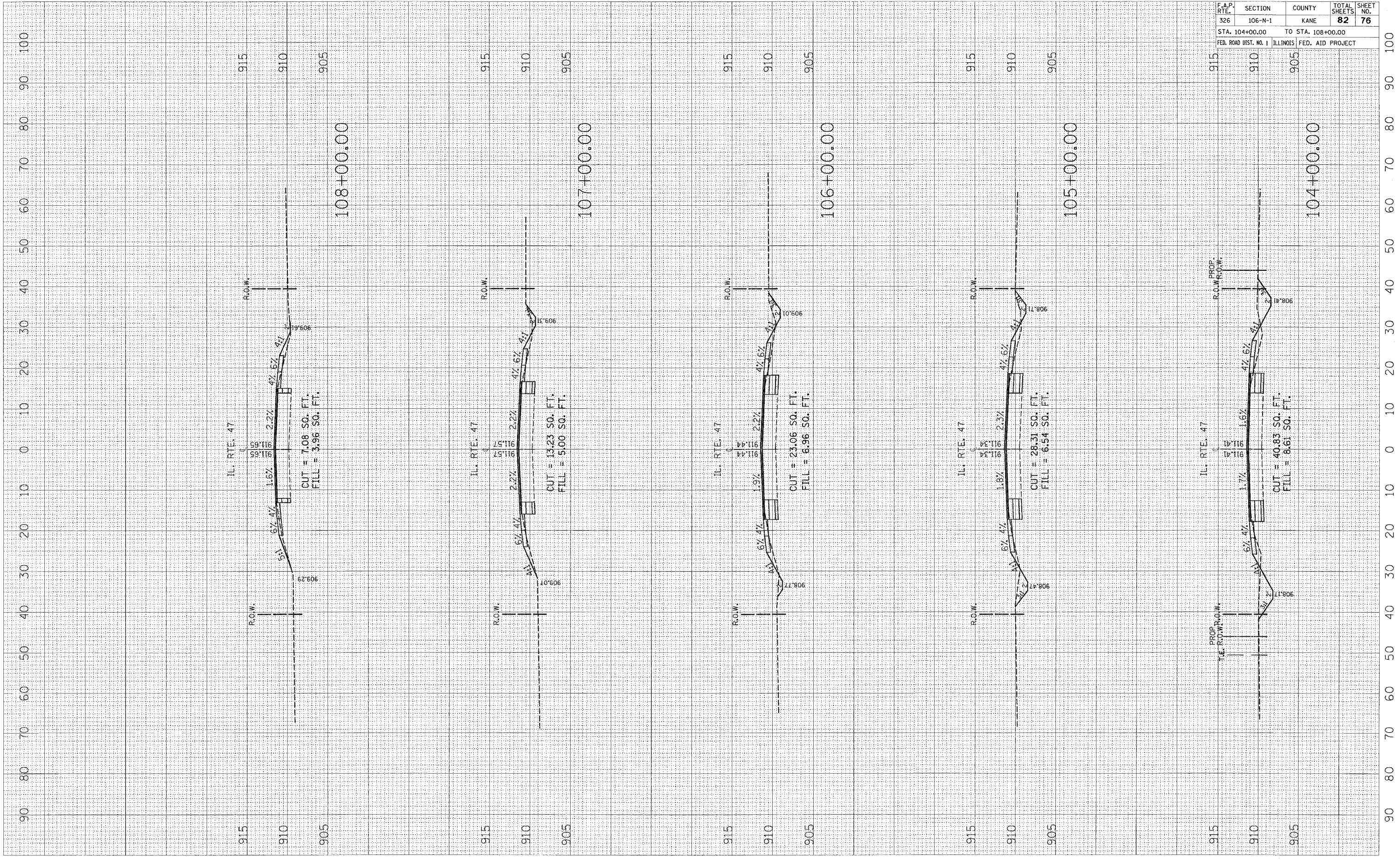
CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	75
STA. 100+00.00		TO STA. 103+00.00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY
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 NOTE NO. 1
 AREAS CHECKED

FINAL SURVEY
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 NOTE NO. 1
 AREAS CHECKED

BY _____
 DATE _____

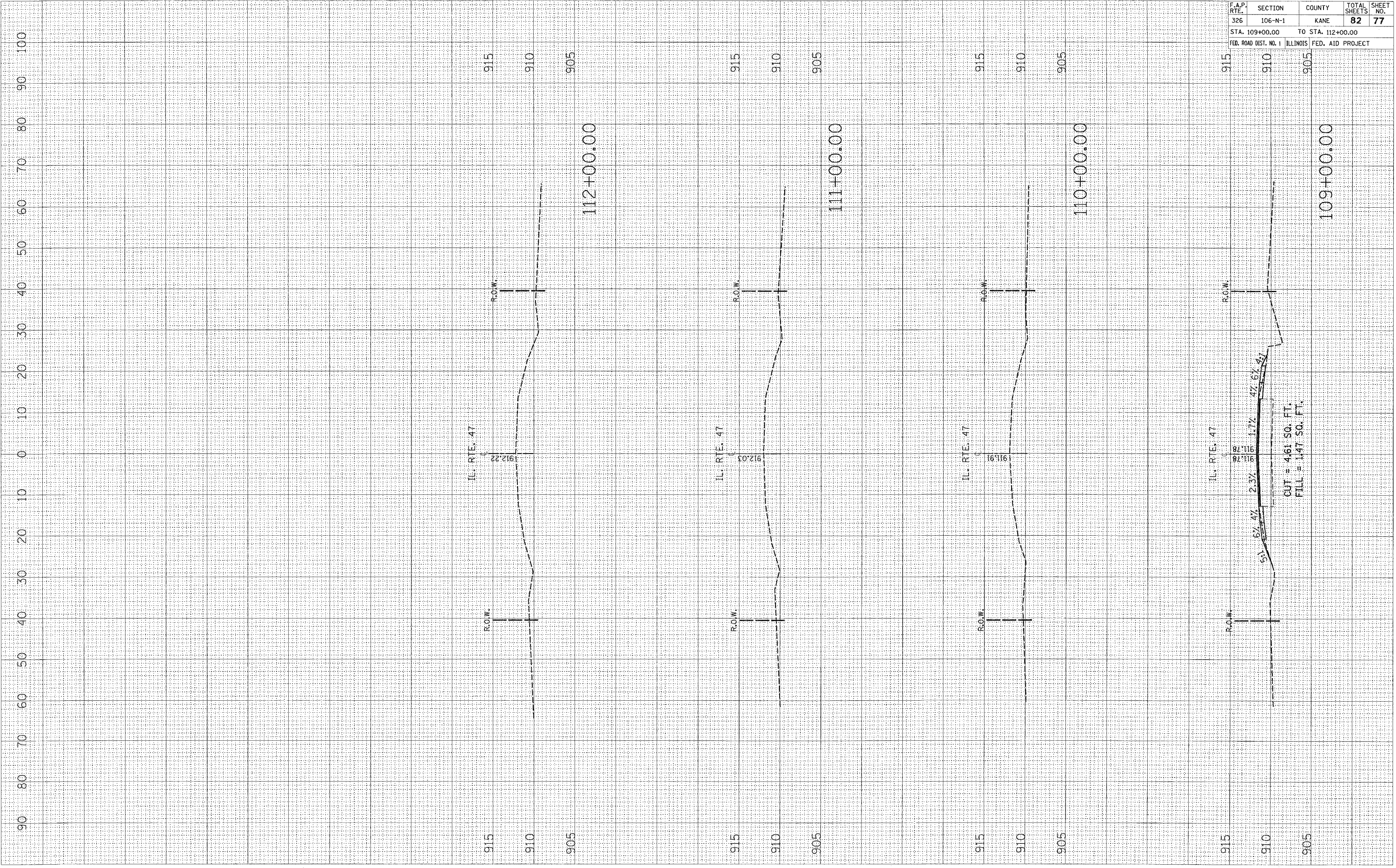


CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	76
STA. 104+00.00		TO STA. 108+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2007
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 USER NAME = wjgreen@b

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 SURVEYED BY _____
 DATE _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____

FINAL SURVEY NO. _____
 SURVEYED BY _____
 DATE _____
 TEMPLATE _____
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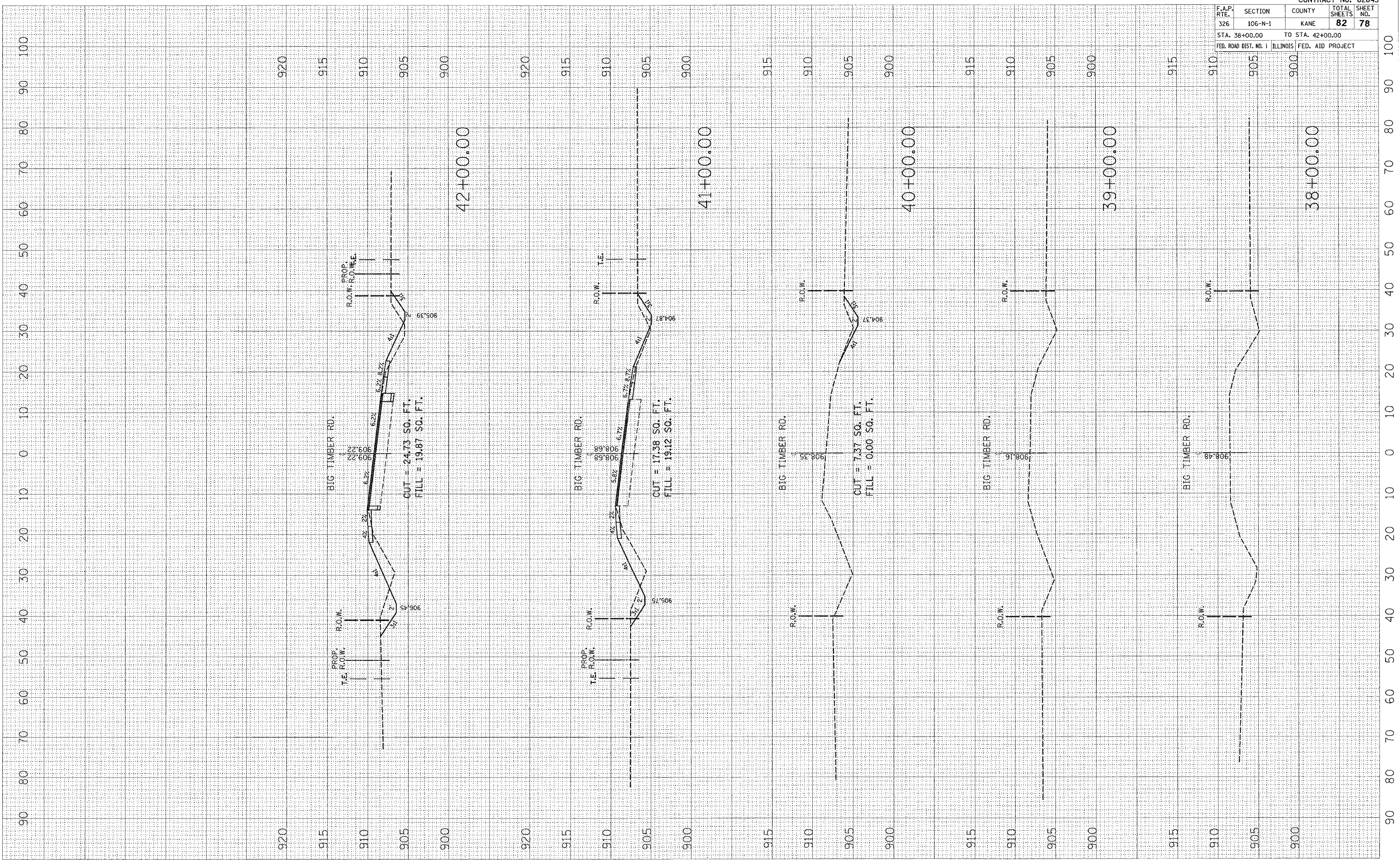


CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	77
STA. 109+00.00		TO STA. 112+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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 USER NAME = mjgreenp

ORIGINAL SURVEY
 SURVEYED PLOTTED
 NOTE BOOK AREA
 BY DATE

FINAL SURVEY
 SURVEYED PLOTTED
 NOTE BOOK AREA
 BY DATE



CONTRACT NO. 62843				
F.A.P. RTE. 326	SECTION 106-N-1	COUNTY KANE	TOTAL SHEETS 82	SHEET NO. 78
STA. 38+00.00		TO STA. 42+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

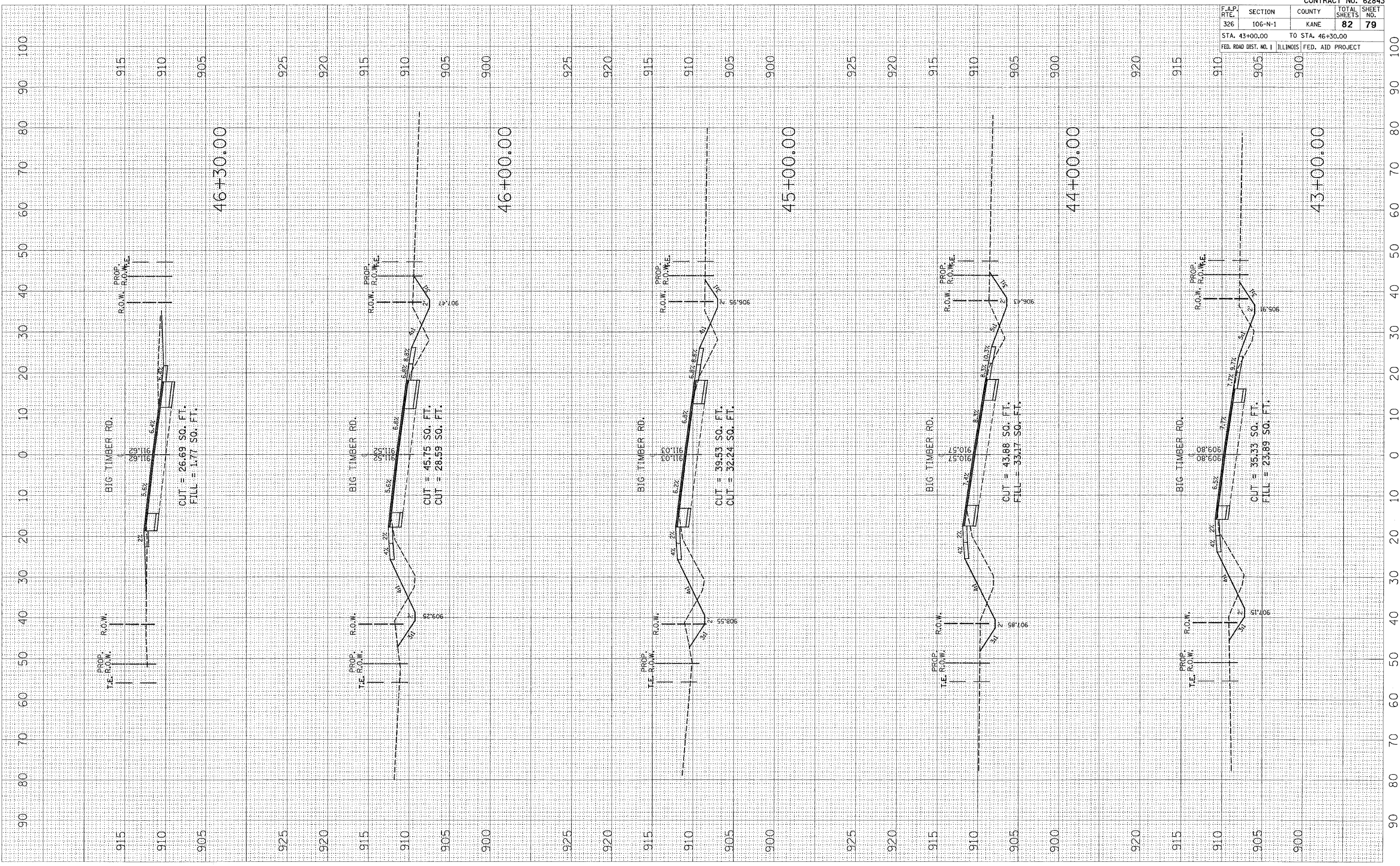
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ORIGINAL SURVEY
 SURVEYED
 PLOTTED
 CHECKED
 AREAS CHECKED

FINAL SURVEY
 SURVEYED
 PLOTTED
 CHECKED
 AREAS CHECKED

BY _____ DATE _____

BY _____ DATE _____



F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326		106-N-1	KANE	82	79
STA. 43+00.00		TO STA. 46+30.00			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62843

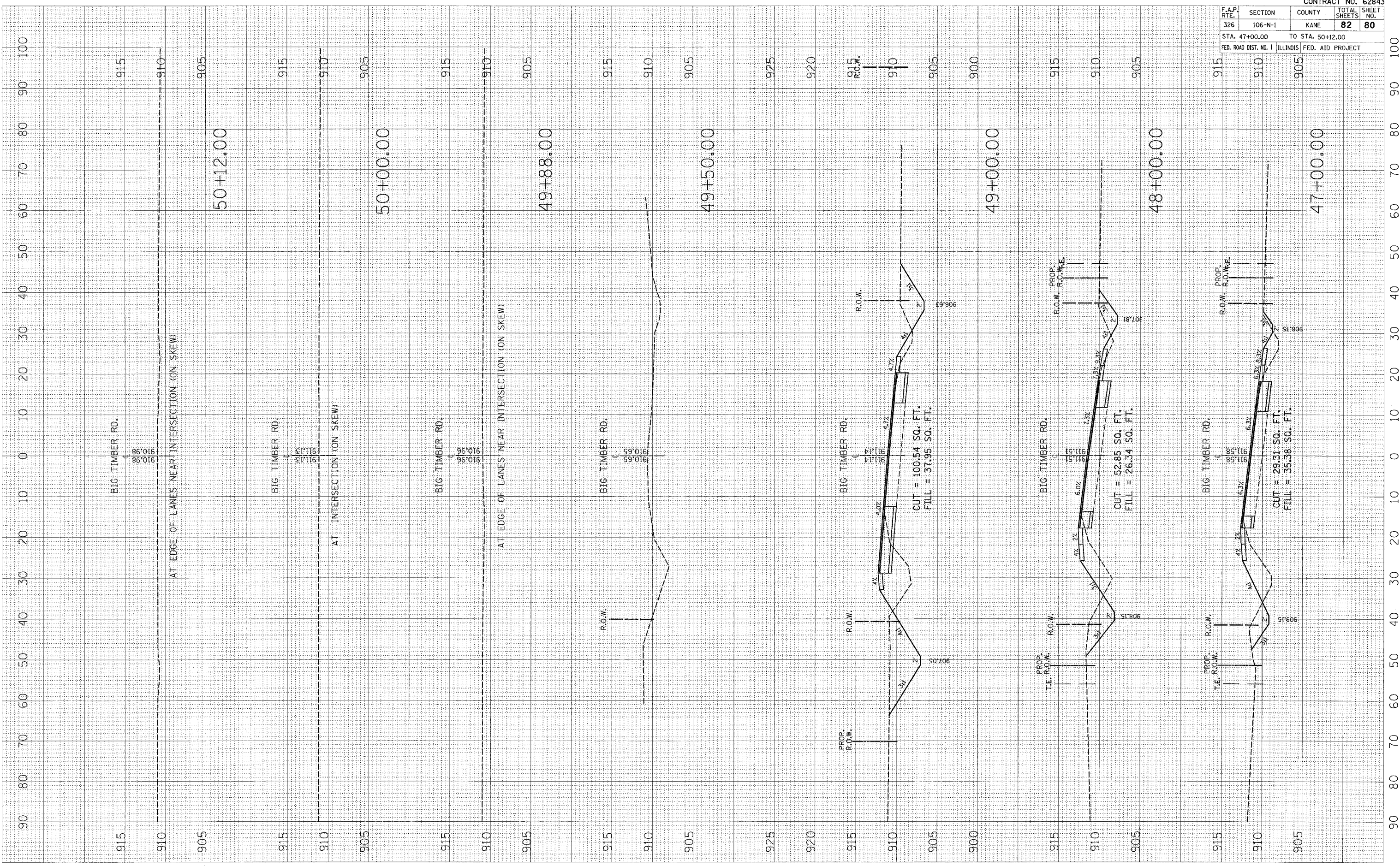
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ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

BY DATE

BY DATE



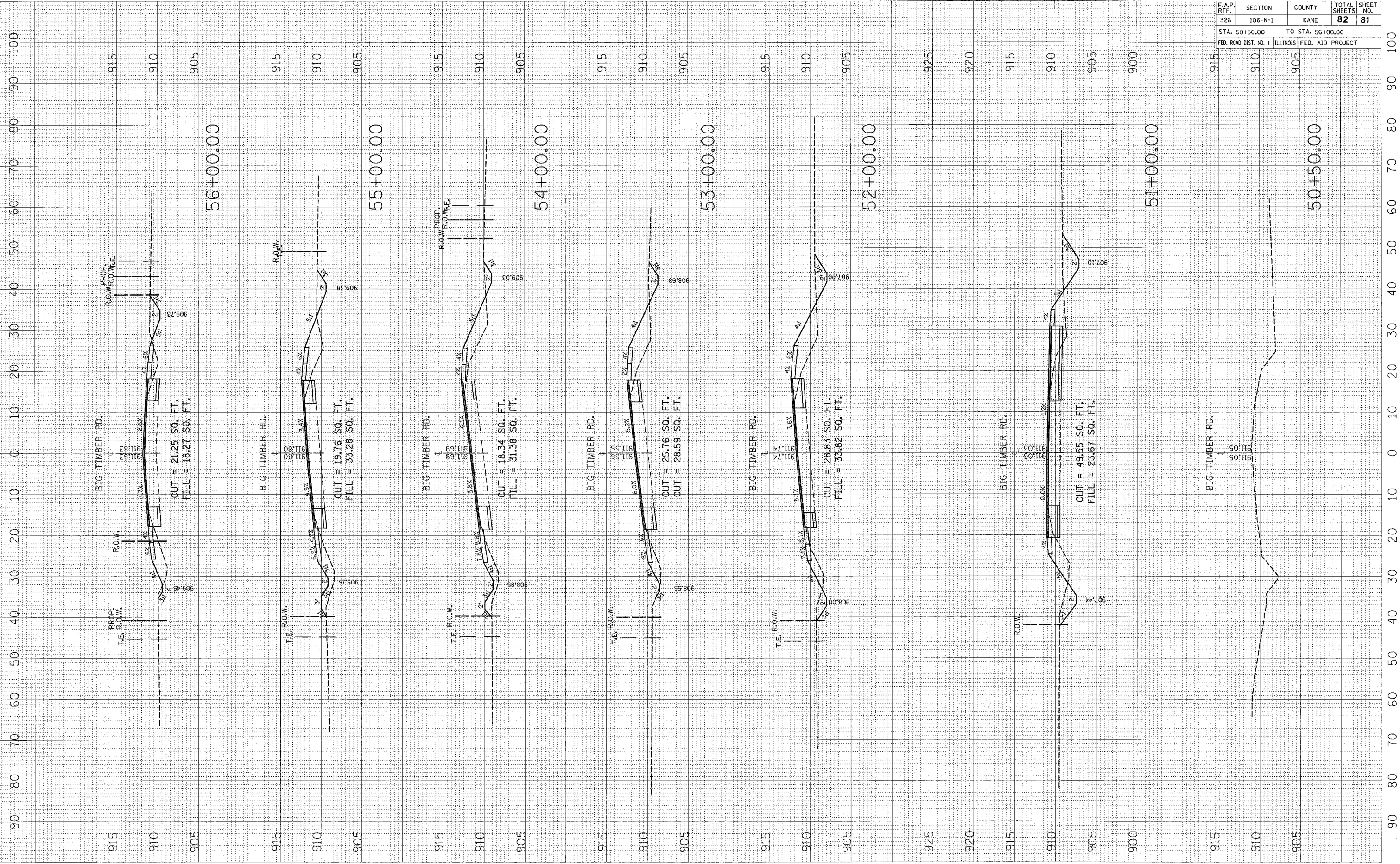
F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326		106-N-1	KANE	82	80
STA. 47+00.00		TO STA. 50+12.00			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

CONTRACT NO. 62843

PLOT DATE = 1/17/2007
 FILE NAME = c:\projects\1065603\bigtimber.dwg
 PLOT SCALE = 1/8" = 1' IN.
 USER NAME = wlgreenob

ORIGINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO.
 AREAS CHECKED

FINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 NOTE BOOK NO.
 AREAS CHECKED



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	81
STA. 50+50.00		TO STA. 56+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

50+50.00

51+00.00

52+00.00

53+00.00

54+00.00

55+00.00

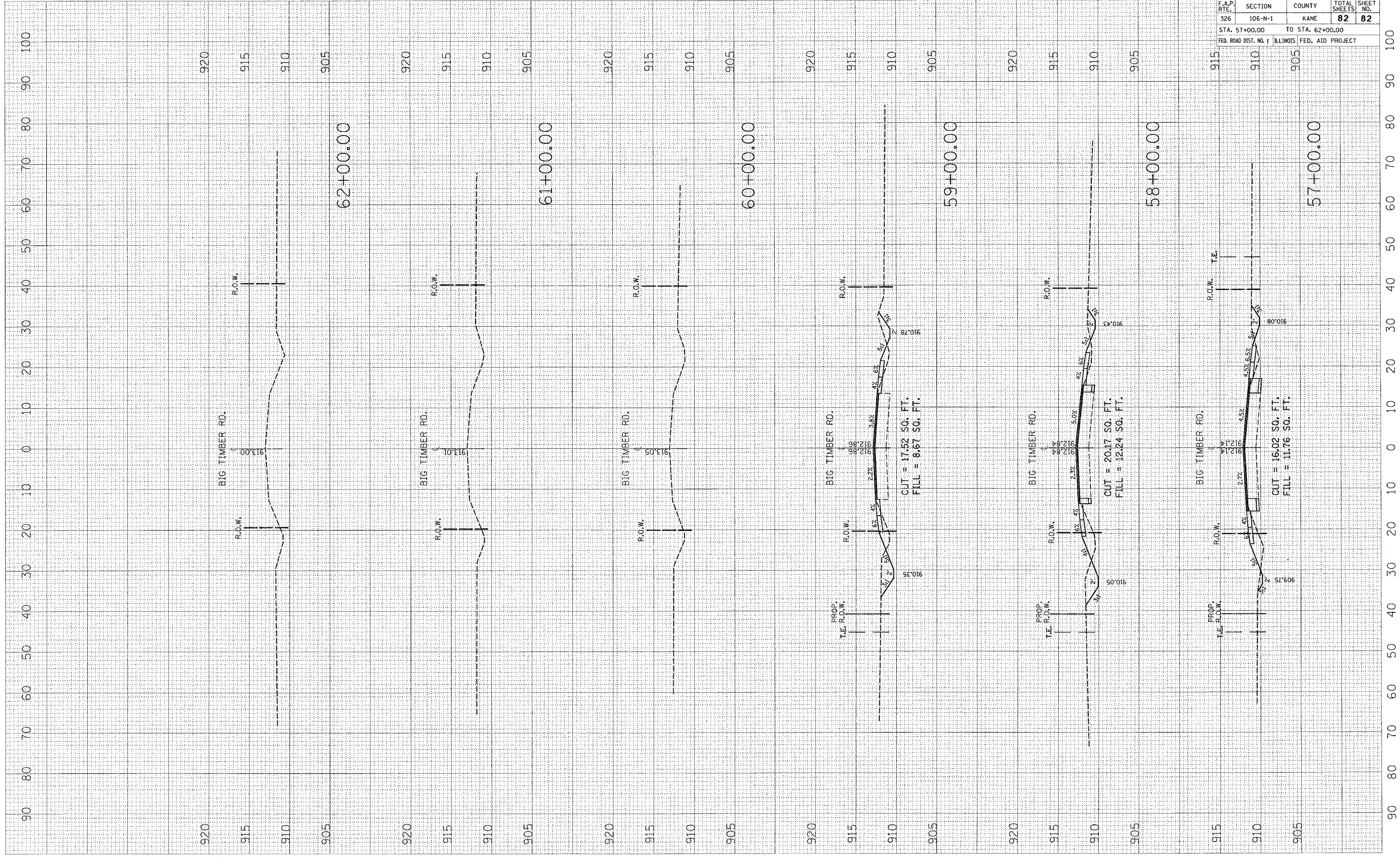
56+00.00

PLOT DATE = 1/17/2007
 FILE NAME = c:\pwworkspace\1059583\1059583\1059583.dwg
 USER NAME = mjgreendp

ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK NO. _____
 TEMPLATE AREA CHECKED

FINAL SURVEY PLOTTED
 SURVEY PLOTTED
 NOTE BOOK NO. _____
 TEMPLATE AREA CHECKED

BY _____
 DATE _____



CONTRACT NO. 62843				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106-N-1	KANE	82	82
STA. 57+00.00		TO STA. 62+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		