

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	1
FED. ROAD DIST. NO.		IL. INOIS	FED. AID PROJECT	

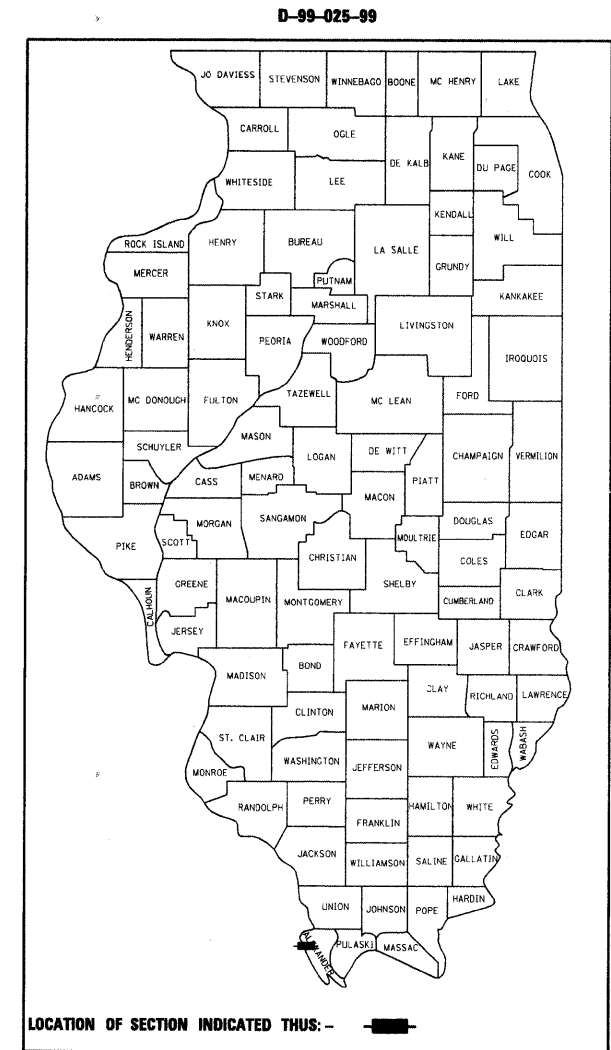
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY
FAP 312 (IL RTE 146)
SECTION 101-2(RS-1,N-1)
PROJECT NO. ACNHF-0312 (036)
ALEXANDER COUNTY
C-99-045-08

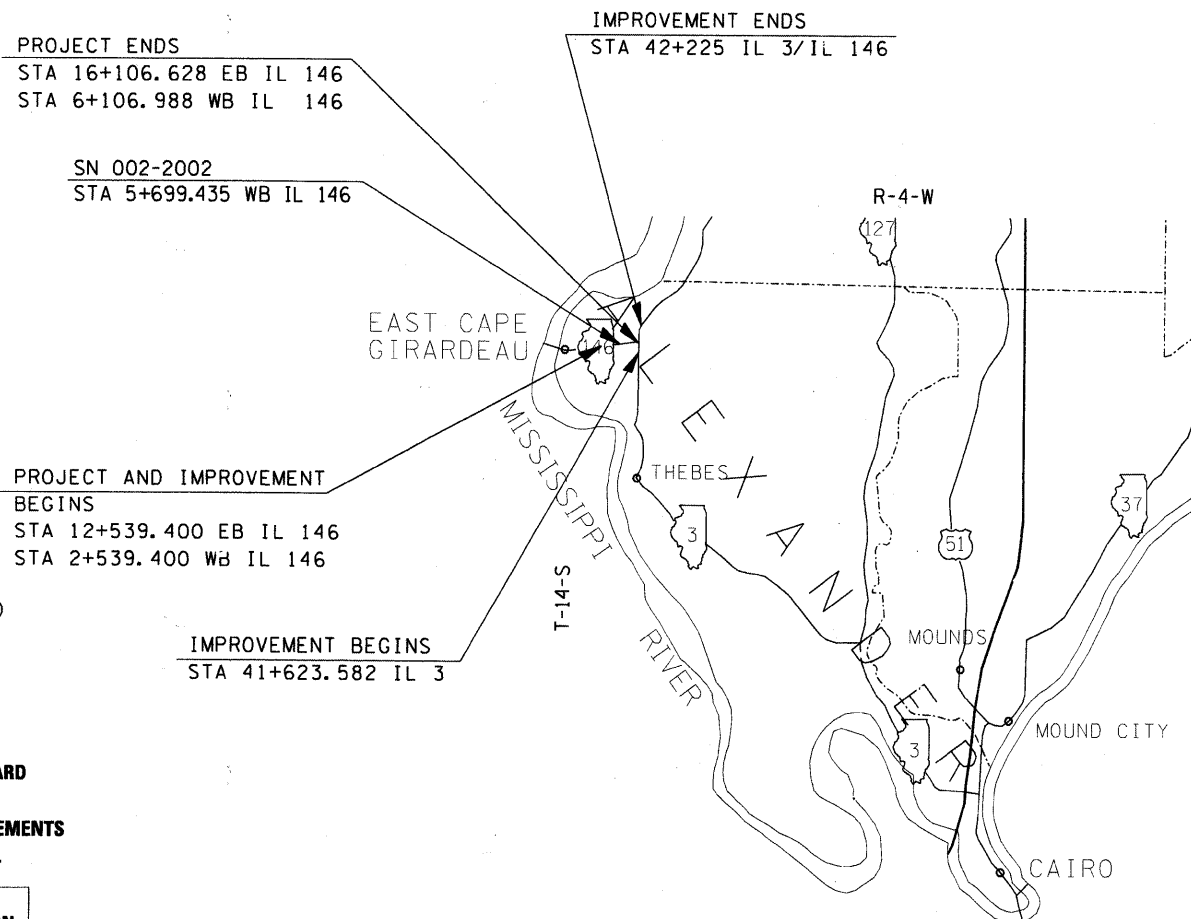
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-8

TRAFFIC DATA FOR 2007

ADT: 10,400 10.3% TRUCKS IL 146
ADT: 7,000 15.7% TRUCKS IL 3/IL 146 (NORTH OF INTERSECTION)
ADT: 4,400 9.1% TRUCKS IL 3 (SOUTH OF INTERSECTION)

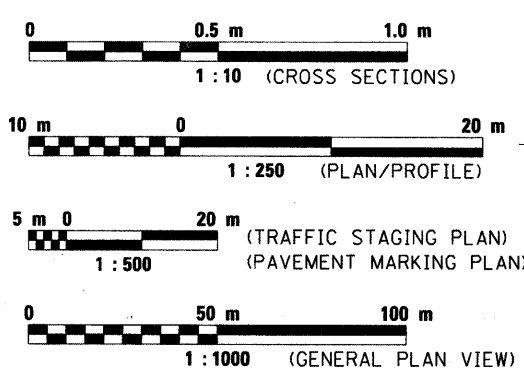


LOCATION OF SECTION INDICATED THIS: - [Black bar] -
DESIGN DESIGNATION: 1224(20) ARTERIAL 2.63(FD-20)



MAP SCALE 1:238,000 (APPROXIMATE)

METRIC RATIOS



PROJECT AND IMPROVEMENT BEGINS
STA 12+539.400 EB IL 146
STA 2+539.400 WB IL 146

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
www.julie1call.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 11 20 10
Ms. Chami
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 20 10
Scott E. Slitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 7 20 10
Christine M. Poole
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PAVING PLANS

NET LENGTH OF IMPROVEMENT: 4169.01 m, 4.16901 km
NET LENGTH OF PROJECT: 4169.01 m, 4.16901 km

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: DENNIS HILLEBRENNER (618) 549-2171
DESIGNER: JAY KRANZ (618) 549-2171

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HOT-MIX ASPHALT REQUIREMENTS FOR THIS PROJECT ARE AS FOLLOWS:

LOCATION(S):	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 mm OR IL 12.5 mm
FRICTION AGGREGATE:	D SURFACE

LOCATION(S):	POLYMERIZED LEVELING BINDER
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N90
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 mm OR IL 12.5 mm
FRICTION AGGREGATE:	NONE

LOCATION(S):	TOP LIFT OF BINDER
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0 mm
FRICTION AGGREGATE:	NONE

LOCATION(S):	BOTTOM OR LOWER BINDER LIFTS, HOT-MIX ASPHALT BASE COURSE, BITUMINOUS PATCHING (FULL DEPTH)
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0 mm
FRICTION AGGREGATE:	NONE

LOCATION(S):	INCIDENTAL HOT-MIX ASPHALT SURFACING AND HOT-MIX ASPHALT SHOULDERS (M TON)
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 mm OR IL 12.5 mm
FRICTION AGGREGATE:	C SURFACE

LOCATION(S):	HOT-MIX ASPHALT SHOULDERS (200 mm) AND STABILIZED SUBBASE (100 mm)
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS
AC/PG:	PG58-22
RAP % (MAX):	50
DESIGN AIR VOIDS:	2.0%, 30 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	HOT-MIX ASPHALT SHOULDERS
FRICTION AGGREGATE:	NONE

INDEX OF SHEETS

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*INCLUDES 86A.
DELETED 88.
DELETED 90.

STANDARDS

280001-05	701101-02
420001-07	701106-02
420101-04	701201-03
442201-03	701301-03
482001-02	701306-02
482006-03	701311-03
482011-03	701326-03
542301-02	701422-02
542401-01	701426-03
601001-03	701901-01
601101-01	720001-01
602306-02	720006-02
604001-03	720011-01
606001-04	780001-02
606301-04	781001-03
701001-02	805001-01
701006-03	814001-02
701011-02	880001-01
	BLR 21-8
	825001
	836001

Prepared By:	<i>Joe Zdenek</i> DISTRICT STUDIES & PLANS ENGINEER
Examined By:	<i>James Lewis Emery</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>Carrie Nelson</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>Carl Wiley</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>Jim Smith</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>Bruce ...</i> DISTRICT MATERIALS ENGINEER
Examined By:	<i>Jim Smith</i> DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:	<i>Danny L. Clayton</i> ASSISTANT REGIONAL ENGINEER
Approved By:	<i>My ...</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 9 ENGINEER
DATE	March 11 2010

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

ALL OBSTRUCTIONS WHICH ARE WITHIN THE LIMITS OF THE CLEAR ZONE AND WHICH ARE NOT SHIELDED BY GUARDRAIL, SHALL BE REMOVED. TYPICAL OBSTRUCTIONS ARE HEADWALLS, FOUNDATIONS, ETC. WHICH PROJECT 100 mm OR MORE ABOVE THE GROUNDLINE, AND TREES WHICH WILL MATURE TO A DIAMETER OF 100 mm OR GREATER.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

- ALL HOT-MIX ASPHALT..... 2.392 METRIC TONS/CU. METER (2.016 TONS/CU. YD.)
- ALL AGGREGATE 2.43 METRIC TONS/CU. METER (2.05 TONS/CU. YD.)
- BITUMINOUS MATERIALS:
- ON PAVEMENT: 0.41 LITERS/SQ. METER (0.09 GALS./SQ. YD.)
- ON AGGREGATE SURFACE: 1.45 LITERS/SQ. METER (0.32 GALS./SQ. YD.)
- AGGREGATE PRIME COAT 0.0016 METRIC TONS/SQ. METER (0.0015 TONS/SQ. YD.)
- RIPRAP 1.78 METRIC TONS/CU. METER (1.50 TONS/CU. YD.)
- SLAG-MODIFIED PORTLAND CEMENT.... 4% OF WEIGHT OF EARTH
- EARTH 1,750 KILOGRAMS/CU. METER (110 ILBS/CU FT)
- WATER 2,100 LITERS/METRIC TONS (500 GALS/TON OF LIME)
- 1 UNIT =1,000 LITERS (1000 GALS/UNIT)

BENCHING OF EXISTING SLOPES PRIOR TO THE PLACEMENT OF FILL MATERIAL SHALL BE CONSTRUCTED AT LOCATIONS DIRECTED BY THE ENGINEER. THE BENCHING SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH THE DETAILS INCLUDED IN THE PLANS.

SAWCUTS REQUIRED FOR BUTT JOINTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT.

SAW CUTS NOTED IN THE PLANS SHALL BE INCLUDED IN THE COST PER SQ. YD. FOR PAVEMENT REMOVAL.

THERE ARE NO WASTE SITES AVAILABLE FOR USE BY THE CONTRACTOR WITHIN THIS CONTRACT. THE SURPLUS MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP ENGLISH STATIONING IN THE PROPOSED BITUMINOUS SURFACE AT 300' INTERVALS ALONG THE OUTSIDE EDGE OF THE PAVEMENT ON EB AND WB LANES OF IL 146 AND ON NB AND SB LANES OF IL 3. ALSO, THE LETTER "H" SHALL BE STAMPED IN THE SHOULDER AT EVERY PIPE UNDERDRAIN OUTLET LOCATION AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5/8" TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ANY PRODUCTION OR PLACEMENT OF HOT-MIX ASPHALT MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, HOT-MIX ASPHALT RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 610 METER (2,000 FT), THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

AFTER A LIFT OF HOT-MIX ASPHALT CONCRETE HAS BEEN PLACED ON A LANE, THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150°.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

ATTAINMENT OF PROPER CROWN SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT BINDER COURSE, HOT-MIX ASPHALT SURFACE REMOVAL, OR AS DIRECTED BY THE ENGINEER.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF EMBANKMENT FILL.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER. PATCHING SURVEY DATE: AUGUST 2009

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS WAS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE, AND BINDER COURSE ON IL 3' AND FOR THE SURFACE COURSE ON EB AND WB IL 146.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.

AT ALL LOCATIONS WHERE THE PROPOSED HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE MINIMUM VERTICAL CLEARANCE FOR PERMANENT SIGNS PLACED ON BACKSLOPES SHALL BE 0.914 m MEASURED FROM A POINT DIRECTLY BENEATH THE FAR EDGE OF THE SIGN.

THE QUANTITY SHOWN FOR MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS IS AN ESTIMATE. THE ACTUAL AMOUNT USED WILL BE DETERMINED BY THE ENGINEER.

BEFORE ANY WORK BEGINS, THE ENGINEER WILL REFERENCE ALL CENTERLINE TIE POINTS SHOWN ON THE PLANS BY A METHOD FROM WHICH THEY CAN BE QUICKLY REESTABLISHED AT ANY TIME DURING CONSTRUCTION OF THE PROJECT.

THE COST OF THE CA-16 BACKFILL MATERIAL FOR THE PROPOSED PIPE UNDERDRAINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS, 100 mm.

ALL UNDERDRAIN 100 mm (SPECIAL) WILL BE CONNECTED TO THE UNDERDRAIN 100 mm BY USING ELBOWS. NO ON SITE BENDS IN THE UNDERDRAIN MATERIAL TO MAKE THE TRANSITION WILL BE ALLOWED.

EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

IF THE CONTRACTOR ELECTS TO USE P.C.C. BASE COURSE WIDENING, SUCH WIDENING SHALL BE PRIMED ACCORDING TO ARTICLE 406.02 OF THE STANDARD SPECIFICATIONS, EXCEPT THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WIDENING.

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

WHEN WIDENING FLEXIBLE BASE PAVEMENT, THE CONTRACTOR SHALL TRIM EXISTING SURFACE AND BASE TO A FIRM, NEAR VERTICAL PLANE BEFORE CONSTRUCTING THE WIDENING. THE COST OF THIS REQUIREMENT IS INCLUDED IN THE UNIT PRICE BID FOR THE BASE COURSE WIDENING.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

~~THE LIGHT POLES SHALL BE SIGNED WITH THE POLE NUMBER AS SHOWN ON THE WIRING DIAGRAM.~~

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

ALL AGGREGATE SHOWN ON STANDARD 606301 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE MEDIAN SURFACE 100MM.

STRUCTURES WITH PROJECT LIMITS

STRUCTURE NO.	OPERATING RATING	INVENTORY RATING	POSTING
002-2002			NONE

COMMITMENTS:

REMOVE AND REPLACE WEATHER STATION, SEE SPECIAL PROVISIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. NONE
HORIZ.

DRAWN BY CNH
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER			
LOCATION:	RURAL			
ROUTE:	IL 146 (FAP 312)		IL 3 (FAP 14)	
FUNDING:	80% FEDERAL/ 20 % STATE		80% FEDERAL/20% STATE	
WORK TYPE:	ROADWAY	BOX CULVERT	LIGHTING	SIGNAL
	STA 2+539.4 TO STA 6+100	SN 002-2002		
				ROADWAY STA 41+623.6 TO STA 42+225

CODE NUMBER	ITEM DESCRIPTION	UNIT	CONSTRUCTION TYPE CODE:				
			I000-2A	SFTY-2A	Y030-1E	Y031-1F	I000-2A
			QUANTITY				
28000500	INLET AND PIPE PROTECTION	EACH	3.0	3.0			
40702700	FURNISH PROFILOGRAPH	L SUM	1.0	1.0			
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	54.0	54.0			
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1.0	1.0			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15.0	15.0			
67100100	MOBILIZATION	L SUM	1.0	0.8			0.2
70100320	TRAFFIC CONTROL AND PROTECTION STANDARD 701422	L SUM	1.0	1.0			
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1.0	0.5			0.5
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1.0	0.5			0.5
70100500	TRAFFIC CONTROL AND PROTECTION STANDARD 701326	L SUM	1.0				1.0
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.5			0.5
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1.0	1.0			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20.0	10.0			10.0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2.0	1.0			1.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	453.0	354.0			99.0
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	181.0	149.0			32.0
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.0		1.0		
* 80500100	SERVICE INSTALLATION, TYPE A	EACH	1.0			1.0	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4.0			4.0	
* 82104000	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	10		10		
* 82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30 AMP	EACH	1.0		1.0		
* 83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	8		8		
* 83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	32		32		
* 84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	2.0		2.0		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	2.0		2.0		
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1.0		1.0		
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1.0		1.0		
* 88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2.0			2.0	
* 89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1.0			1.0	

* Specialty Items

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 1 OF 5
 SCALE: VERT.
 HORIZ.
 DATE
 DRAWN BY JCK
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER				
LOCATION:	RURAL				
ROUTE:	IL 146 (FAP 312)			IL 3 (FAP 14)	
FUNDING:	80% FEDERAL/ 20 % STATE			80% FEDERAL/20% STATE	
WORK TYPE:	ROADWAY	BOX CULVERT	LIGHTING	SIGNAL	ROADWAY
	STA 2+539.4 TO STA 6+100	SN 002-2002			STA 41+623.6 TO STA 42+225

CODE NUMBER	ITEM DESCRIPTION	CONSTRUCTION TYPE CODE:					UNIT	QUANTITY	
		I000-2A	SFTY-2A	Y030-1E	Y031-1F	I000-2A			
M2020010	EARTH EXCAVATION					CU M	5,051.0	3,848.0	1,203.0
M2040100	BORROW EXCAVATION					CU M	2,103.0	1,415.0	688.0
M2080150	TRENCH BACKFILL					CU M	200.0	123.0	77.0
M2500350	SEEDING, CLASS 7					HA	3.2	2.4	0.8
M2500400	NITROGEN FERTILIZER NUTRIENT					KG	562.0	419.0	143.0
M2500500	PHOSPHORUS FERTILIZER NUTRIENT					KG	421.0	314.0	107.0
M2500600	POTASSIUM FERTILIZER NUTRIENT					KG	421.0	314.0	107.0
M2500700	AGRICULTURAL GROUND LIMESTONE					M TON	14.0	10.4	3.6
M2501010	SEEDING, CLASS 2 (MODIFIED)					HA	3.2	2.4	0.8
M2510115	MULCH, METHOD 2					HA	6.4	4.8	1.6
M2510630	EROSION CONTROL BLANKET					SQ M	6,000.0	2,976.0	3,024.0
M2800250	TEMPORARY EROSION CONTROL SEEDING					KG	352.0	264.0	88.0
M2800305	TEMPORARY DITCH CHECKS					METER	68.0	28.0	40.0
M2800400	PERIMETER EROSION BARRIER					METER	36.0	36.0	
M3020456	PROCESSING MODIFIED SOIL 300MM					SQ M	49,710.0	49,710.0	
M3110100	SUB-BASE GRANULAR MATERIAL, TYPE A 100MM					SQ M	5,011.0	2,059.0	2,952.0
M3112010	SUB-BASE GRANULAR MATERIAL, TYPE C					M TON	7,424.0	6,771.0	637.0
M3120500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 100MM					SQ M	1,482.0	1,482.0	
M3510010	AGGREGATE BASE COURSE, TYPE A					M TON	387.0	387.0	
M3552200	HOT-MIX ASPHALT BASE COURSE					M TON	1,030.0		1,030.0
M4020010	AGGREGATE SURFACE COURSE, TYPE A					M TON	162.0	74.0	88.0
M4060115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)					LITER	100,758.0	93,380.0	7,181.0
M4060300	AGGREGATE (PRIME COAT)					M TON	56.0	44.9	11.0
M4060400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS					M TON	8.0	7.0	1.0
M4060895	CONSTRUCTING TEST STRIP					EACH	3.0	3	
M4060982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT					SQ M	313.0	134.5	178.5
M4060990	TEMPORARY RAMP					SQ M	341.0	311.0	30.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

2 OF 5

SCALE: VERT.
HORIZ.

DATE

DRAWN BY JCK
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER				
LOCATION:	RURAL				
ROUTE:	IL 146 (FAP 312)		IL 3 (FAP 14)		
FUNDING:	80% FEDERAL/ 20% STATE			80% FEDERAL/20% STATE	
WORK TYPE:	ROADWAY	BOX CULVERT	LIGHTING	SIGNAL	ROADWAY
	STA 2+539.4 TO STA 6+100	SN 002-2002			STA 41+623.6 TO STA 42+225
CONSTRUCTION TYPE CODE:	I000-2A	SFTY-2A	Y030-1E	Y031-1F	I000-2A

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY					
M4062345	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	M TON	121.0	121.0				
M4063090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	M TON	27.0	27.0				
M4063240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	M TON	5,646.0	3,717.0	8.0			1,921.0
M4063545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	M TON	3,044.0	2,408.0	6.0			630.0
M4075200	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 200MM	SQ M	206.0	206.0				
M4075280	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 280MM	SQ M	1,784.0	1,784.0				
M4075380	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 380MM	SQ M	27,068.0	27,010.0	58.0			
M4080500	INCIDENTAL HOT-MIX ASPHALT SURFACING	M TON	136.0	136.0				
M4202255	PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)	SQ M	957.0	957.0				
M4202285	PORTLAND CEMENT CONCRETE PAVEMENT 280MM (JOINTED)	SQ M	75.0	75.0				
M4205200	PROTECTIVE COAT	SQ M	2,877.0	2,877.0				
M4400715	HOT-MIX ASPHALT SURFACE REMOVAL, 15MM	SQ M	2,061.0	2,061.0				
M4400950	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ M	1,350.0	1,350.0				
M4402000	PAVEMENT REMOVAL	SQ M	1,316.0	1,316.0				
M4402390	ISLAND REMOVAL	SQ M	54.0	54.0				
M4402530	PAVED SHOULDER REMOVAL	SQ M	2,835.0	1,590.0				1,245.0
M4422225	PAVEMENT PATCHING, TYPE II 225MM	SQ M	190.0	123.0				67.0
M4430020	STRIP REFLECTIVE CRACK CONTROL TREATMENT	METER	951.0					951.0
M4810200	AGGREGATE SHOULDERS, TYPE A 200MM	SQ M	3,081.0	1,831.0	5.0			1,245.0
M4810250	AGGREGATE SHOULDERS, TYPE A 250MM	SQ M	1,647.0	1,642.0	5.0			
M4812000	AGGREGATE SHOULDERS, TYPE B	M TON	266.0	265.0	1.0			
M4812150	AGGREGATE SHOULDERS, TYPE B 150MM	SQ M	146.0	146.0				
M4820400	HOT-MIX ASPHALT SHOULDERS	M TON	2,097.0	1,987.0	5.0			105.0
M4820600	HOT-MIX ASPHALT SHOULDERS, 200MM	SQ M	16,273.0	14,994.0	34.0			1,245.0
M4820650	HOT-MIX ASPHALT SHOULDERS, 250MM	SQ M	5,589.0	5,574.0	15.0			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES 3 OF 5

SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER				
LOCATION:	RURAL				
ROUTE:	IL 146 (FAP 312)		IL 3 (FAP 14)		
FUNDING:	80% FEDERAL/ 20 % STATE		80% FEDERAL/20% STATE		
WORK TYPE:	ROADWAY	BOX CULVERT	LIGHTING	SIGNAL	ROADWAY
	STA 2+539.4 TO STA 6+100	SN 002-2002			STA 41+623.6 TO STA 42+225
CONSTRUCTION TYPE CODE:	I000-2A	SFTY-2A	Y030-1E	Y031-1F	I000-2A

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY					
M5010522	PIPE CULVERT REMOVAL	METER	41.0					41.0
M542E016	END SECTIONS 375MM	EACH	2.0					2.0
M542E020	END SECTIONS 450MM	EACH	2.0	2.0				
M542E112	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 300MM	EACH	1.0	1.0				
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	1.0	1.0				
M542H430	PIPE CULVERTS, CLASS D, TYPE 1 450MM	METER	11.5	11.5				
M542I425	PIPE CULVERTS, CLASS D, TYPE 2 375MM	METER	14.0					14.0
M5500030	STORM SEWERS, CLASS A, TYPE 1 300MM	METER	61.0	61.0				
M5500040	STORM SEWERS, CLASS A, TYPE 1 375MM	METER	16.0	16.0				
M5500050	STORM SEWERS, CLASS A, TYPE 1 450MM	METER	52.0					52.0
M6010605	PIPE UNDERDRAINS 100MM	METER	5,010.0	5,010.0				
M6010705	PIPE UNDERDRAINS 100MM (SPECIAL)	METER	345.0	345.0				
M6024115	INLETS, SPECIAL, TYPE 3, 1.5M	EACH	4.0	2.0				2.0
M6061900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-10.15	METER	11.0	11.0				
M6062100	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-15.15	METER	115.0	115.0				
M6062400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-15.60	METER	148.0	148.0				
M6063600	CONCRETE MEDIAN SURFACE, 100MM	SQ M	1,683.0	1,683.0				
M7030100	SHORT-TERM PAVEMENT MARKING	METER	2,380.0	1,339.0				1,041.0
M7030505	PAVEMENT MARKING TAPE, TYPE III (SPECIAL)	METER	11,004.0	8,120.0				2,884.0
M7030210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	38.5	28.0				10.5
M7030220	TEMPORARY PAVEMENT MARKING - LINE 100MM	METER	19,473.0	16,374.0				3,099.0
M7030250	TEMPORARY PAVEMENT MARKING - LINE 200MM	METER	437.0	354.0				83.0
M7030260	TEMPORARY PAVEMENT MARKING - LINE 300MM	METER	441.0	176.0				265.0
M7030280	TEMPORARY PAVEMENT MARKING - LINE 600MM	METER	20.0	20.0				
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	339.0	134.0				205.0
M7800100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	38.5	28.0				10.5
M7800105	THERMOPLASTIC PAVEMENT MARKING - LINE 100MM	METER	17,536.0	14,437.0				3,099.0
M7800120	THERMOPLASTIC PAVEMENT MARKING - LINE 200MM	METER	319.0	236.0				83.0
M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	385.0	119.0				266.0
M7800140	THERMOPLASTIC PAVEMENT MARKING - LINE 600MM	METER	9.0	9.0				

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*SPECIALTY ITEMS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES 4 OF 5
SCALE:	VERT. DATE	DRAWN BY JCK CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER				
LOCATION:	RURAL				
ROUTE:	IL 146 (FAP 312)		IL 3 (FAP 14)		
FUNDING:	80% FEDERAL/ 20 % STATE		80% FEDERAL/20% STATE		
WORK TYPE:	ROADWAY	BOX CULVERT	LIGHTING	SIGNAL	ROADWAY
	STA 2+539.4 TO STA 6+100	SN 002-2002			STA 41+623.6 TO STA 42+225

CODE NUMBER	ITEM DESCRIPTION	UNIT	CONSTRUCTION TYPE CODE:		I000-2A	SFTY-2A	Y030-1E	Y031-1F	I000-2A
			QUANTITY						
* M7800355	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 100MM	METER	1,742.0	1,742.0					
* M7802010	POLYUREA PAVEMENT MARKING TYPE I - LINE 100MM	METER	196.0	196.0					
* M7802020	POLYUREA PAVEMENT MARKING TYPE I - LINE 200MM	METER	119.0	119.0					
* M7802030	POLYUREA PAVEMENT MARKING TYPE I - LINE 300MM	METER	57.0	57.0					
* M7802060	POLYUREA PAVEMENT MARKING TYPE I - LINE 600MM	METER	11.0	11.0					
* M7830100	PAVEMENT MARKING REMOVAL	SQ M	264.0	61.0					203.0
* M8100250	CONDUIT IN TRENCH, 40MM DIA., PVC	METER	366.0				366.0		
* M8100850	CONDUIT, AUGERED 40MM DIA., PVC	METER	28.0				28.0		
* M8100860	CONDUIT, AUGERED 50MM DIA., PVC	METER	70.0			70.0			
* M8110150	CONDUIT ATTACHED TO STRUCTURE, 40MM DIA., GALVANIZED STEEL	METER	26.0				26.0		
* M8160220	UNIT DUCT, 2*8XLP, 1*8 XLP GROUND 20MM POLYETHYLENE	METER	690.0			690.0			
* M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	971.0			605.0	366.0		
* M8309140	LIGHT POLE, WEATHERING STEEL, 15.2M. M. H., TENON MOUNT	EACH	5.0			5.0			
* M8309145	LIGHT POLE, WEATHERING STEEL, 15.2M. M. H., TENON MOUNT - TWIN	EACH	2.0			2.0			
* M8731220	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	486.0				486.0		
MX032509	GRADING AND SHAPING SPECIAL	SQ M	198.0						198.0
MX032584	MATERIAL TRANSFER DEVICE	M TON	33,207.0	30,656.0					2,551.0
X0326207	REMOVE AND REPLACE WEATHER STATION	L SUM	1.0	1.0					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.8					0.2
Z0076600	TRAINEES	HOUR	1,000.0	1,000.0					
* 88040035	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED (SPECIAL)	EACH	2.0				2.0		
M3021800	SLAG-MODIFIED PORTLAND CEMENT	M TON	1,044.0	1,044.0					

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES 5 OF 5

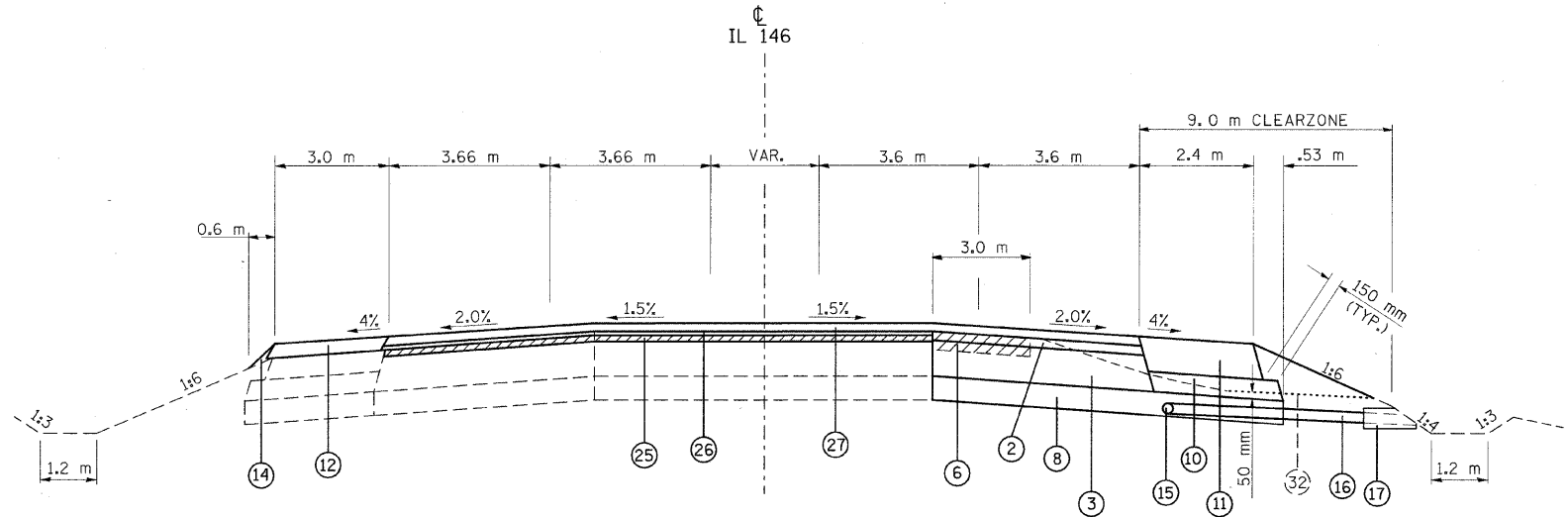
SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

IL 146
 STRUCTURAL DESIGN TRAFFIC: Year 2005
 PV = 7450 SU = 600 MU = 650
 ROAD/STREET CLASSIFICATION: Class I
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR: Actual TF = 4.48 AC Type = 20
 Minimum TF = 4.27
 PG GRADE: SURFACE: SBS PG76-22
 TOP LIFT BINDER: SBS PG76-22
 LOWER LIFTS BINDER: PG64-22
 SUB-GRADE SUPPORT RATING:
 SSR = POOR (STA. 12+539.4 TO 16+100)

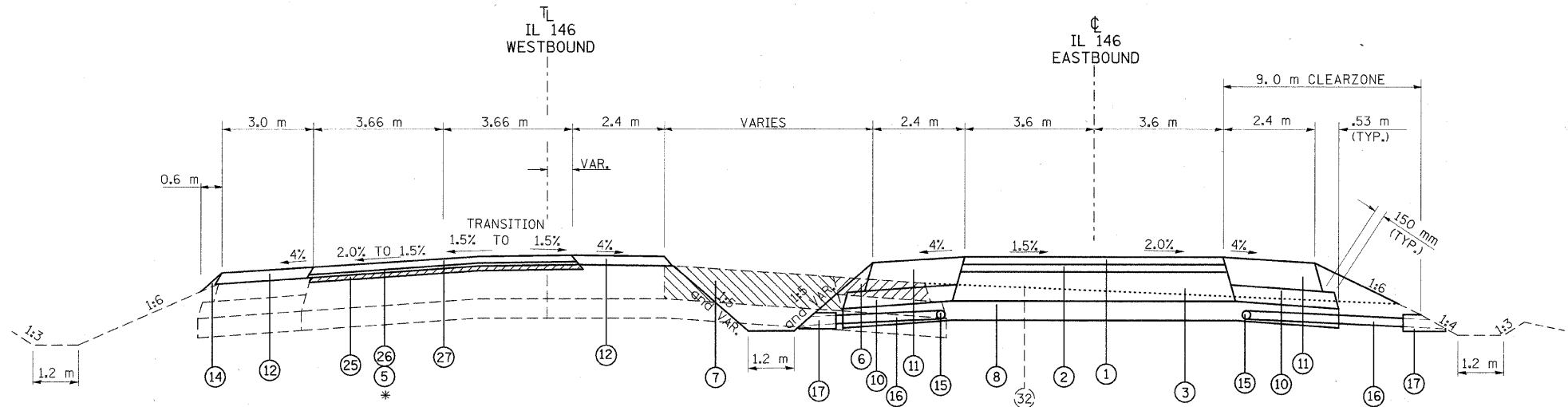
TYPICALS



NOTE:
 HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH AND POLYMERIZED LEVELING BINDER SHALL BE USED TO CORRECT THE PAVEMENT SLOPE.

TO BE USED:
 EB STA. 12+539.4 TO STA. 12+635.6
 WB STA. 2+539.4 TO STA. 2+635.6

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



NOTE:
 HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH, POLYMERIZED LEVELING BINDER AND POLYMERIZED HOT-MIX ASPHALT BINDER COURSE SHALL BE USED TO CORRECT THE PAVEMENT SLOPE.

TO BE USED:
 EB STA. 12+635.6 TO STA. 12+700
 WB STA. 2+635.6 TO STA. 2+700

* ㉖ ENDS AT STA. 2+650
 ⑤ BEGINS AT STA. 2+650

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	

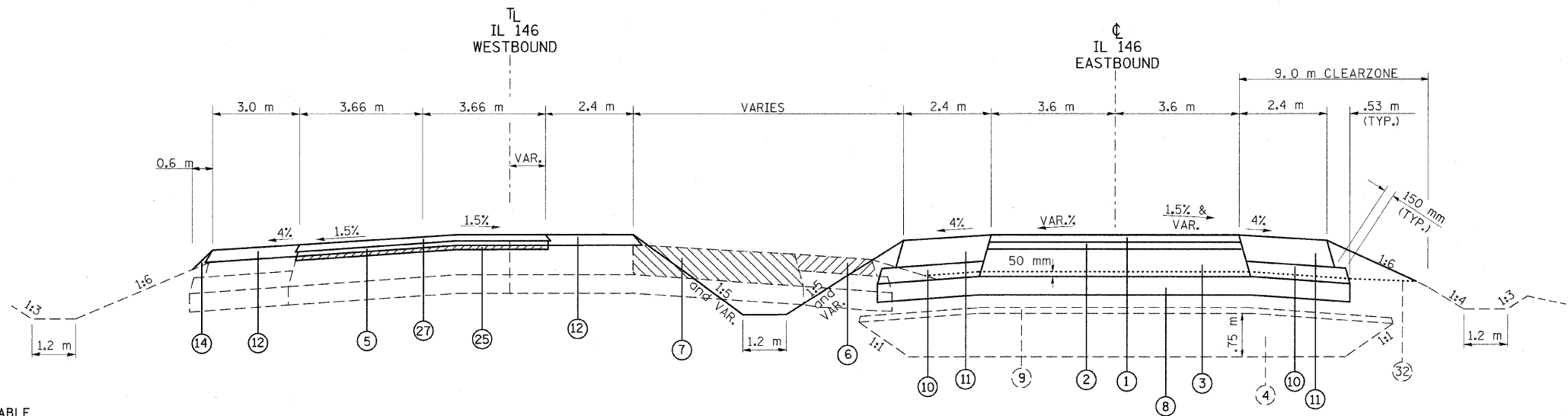
TYPICALS

SCALE: VERT. NONE
 HORIZ. _____
 DATE _____ DRAWN BY CNH
 CHECKED BY _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

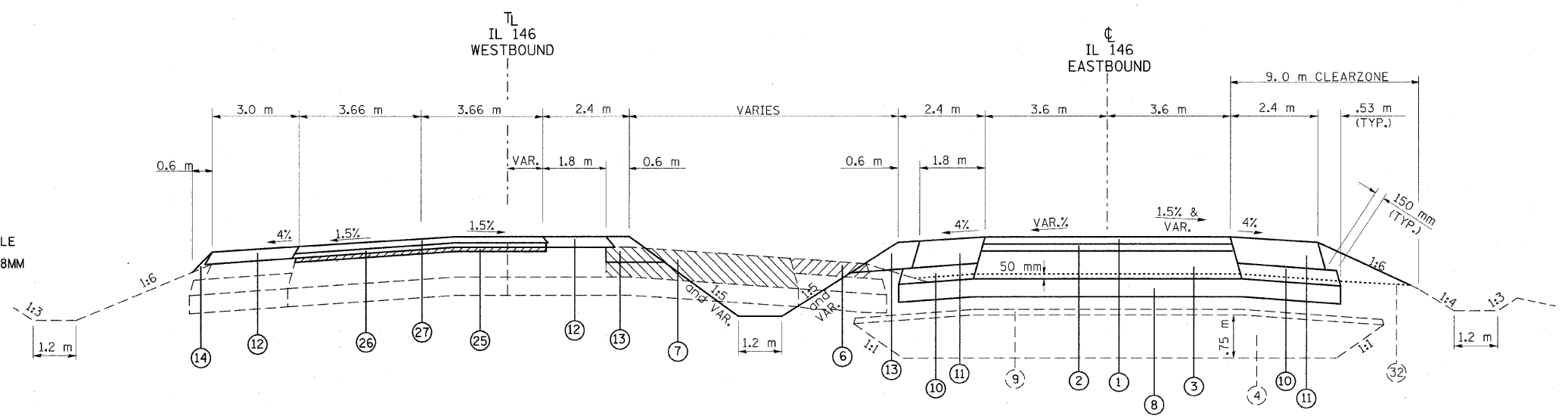
TYPICALS



- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM

NOTE:
HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH AND POLYMERIZED HOT-MIX ASPHALT BINDER COURSE SHALL BE USED TO CORRECT THE PAVEMENT SLOPE.

TO BE USED:
EB STA. 12+700 TO STA. 12+750
WB STA. 2+700 TO STA. 2+750



NOTE:
HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH AND POLYMERIZED HOT-MIX ASPHALT BINDER COURSE SHALL BE USED TO CORRECT THE PAVEMENT SLOPE.

TO BE USED:
EB STA. 12+750 TO STA. 12+820
WB STA. 2+750 TO STA. 2+820

REVISIONS	
NAME	DATE

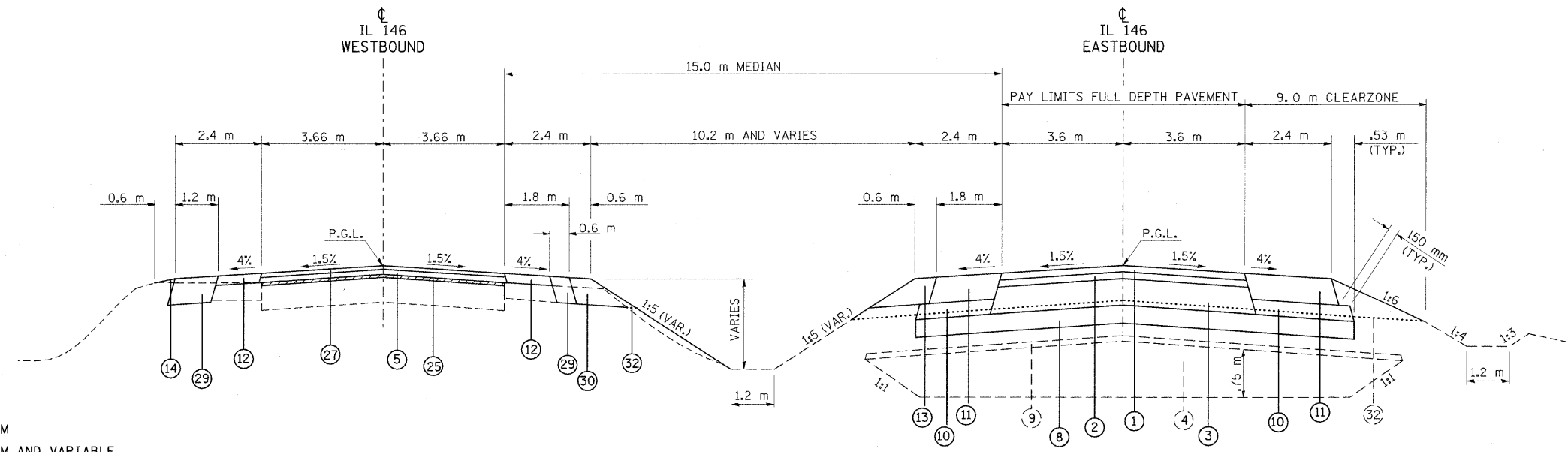
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICALS

SCALE: VERT. NONE
HORIZ. NONE
DATE: DRAWN BY CNH
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

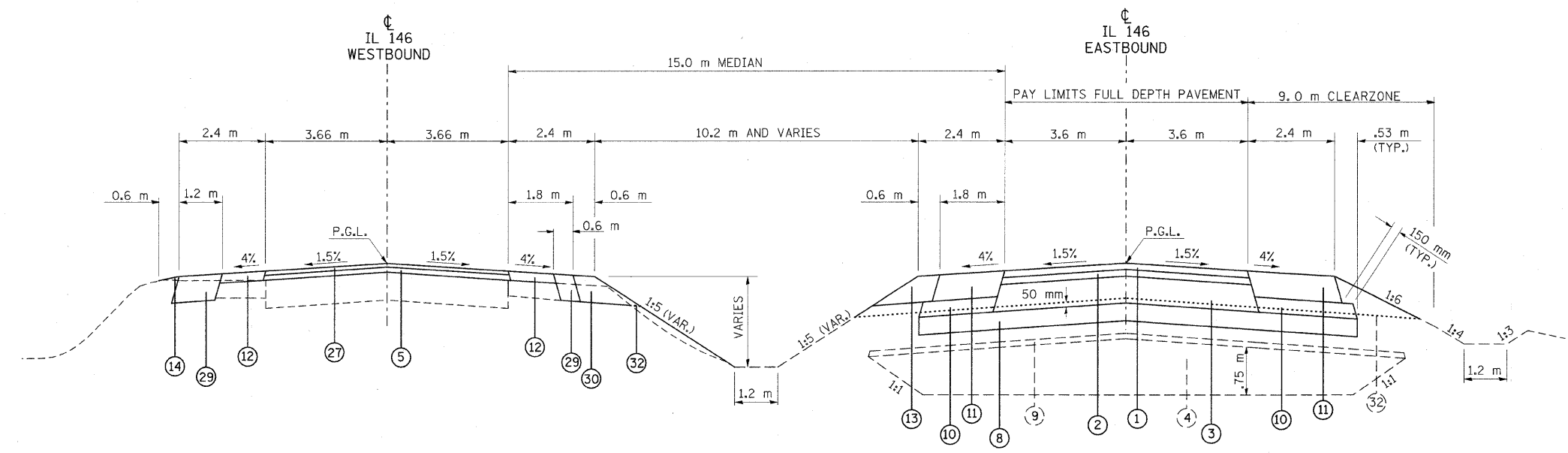
TYPICALS



- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM

TO BE USED:

EB STA. 12+820 TO STA. 12+900
 WB STA. 2+820 TO STA. 2+900



TO BE USED:

EB STA. 12+900 TO STA. 13+050 WB STA. 2+900 TO STA. 3+050
 EB STA. 13+350 TO STA. 13+880 WB STA. 3+350 TO STA. 3+880
 EB STA. 14+290 TO STA. 14+375 * WB STA. 4+290 TO STA. 4+375

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

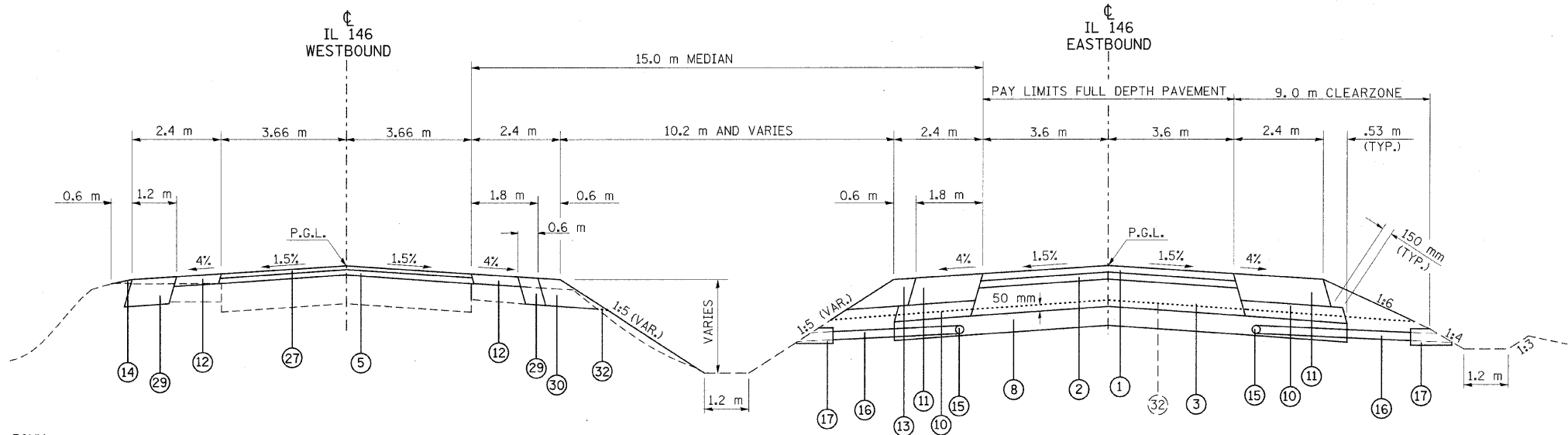
TYPICALS

SCALE: VERT. NONE
 HORIZ. DATE DRAWN BY CNH
 CHECKED BY

* SEE PORTABLE SCALE TURNOUT DETAIL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICALS



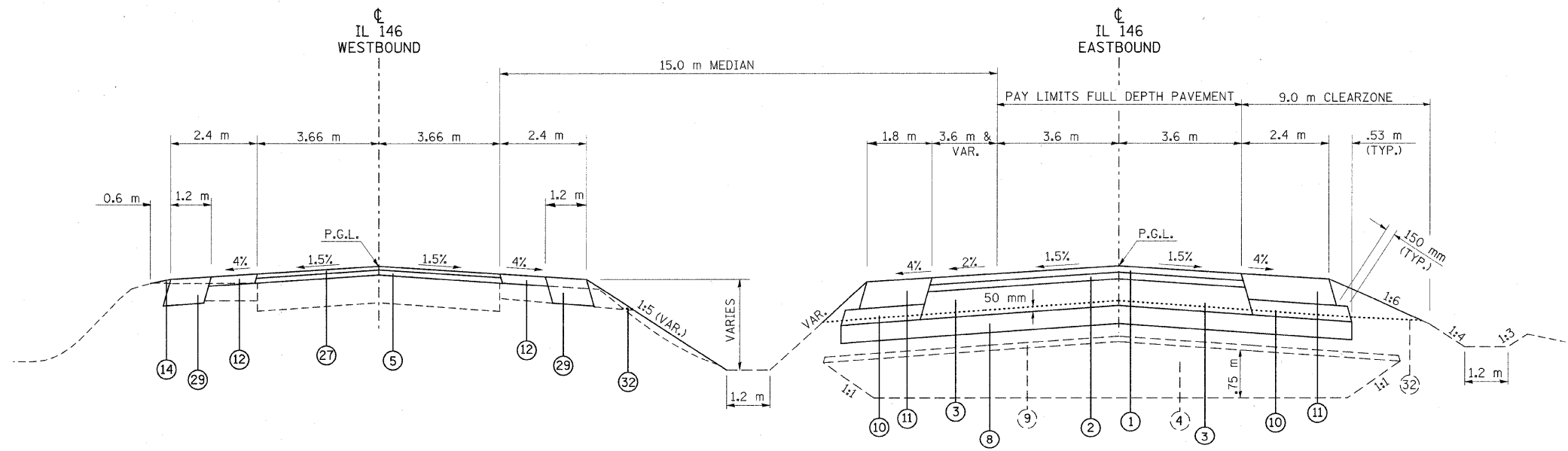
- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C

TO BE USED:

EB STA. 13+050 TO STA. 13+350 WB STA. 3+050 TO STA. 3+350
 EB STA. 14+277.5 TO STA. 14+290 * WB STA. 4+277.5 TO STA. 4+290
 EB STA. 14+375 TO STA. 15+921.3 * WB STA. 4+375 TO STA. 5+921.3

* SEE PORTABLE SCALE TURNOUT DETAIL

- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



TO BE USED:

EB STA. 13+880 TO STA. 13+975
 WB STA. 3+880 TO STA. 3+975

REVISIONS	
NAME	DATE

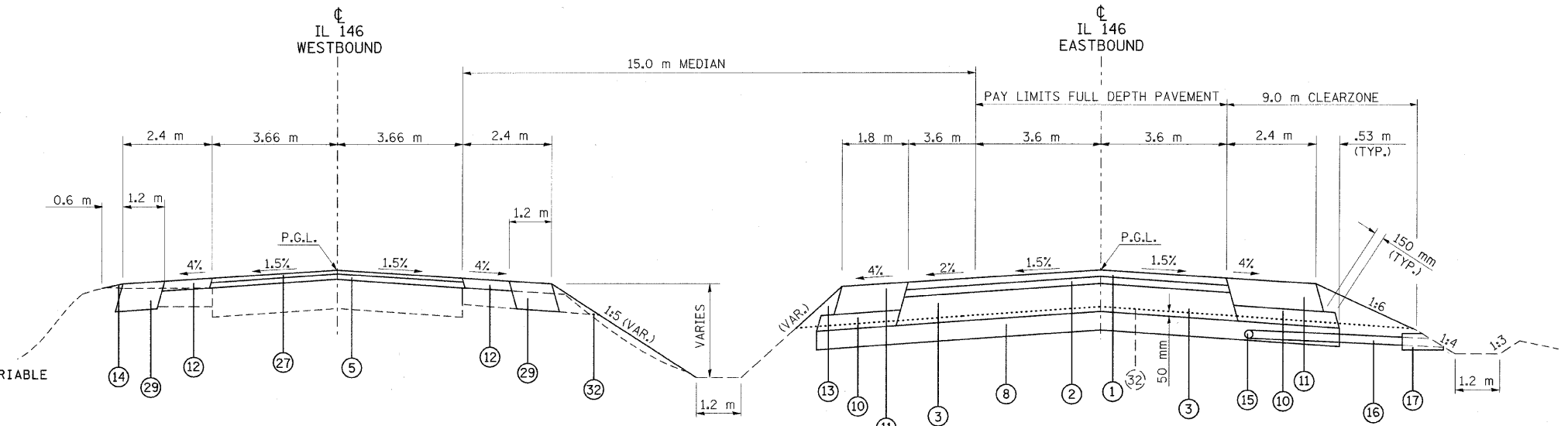
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICALS

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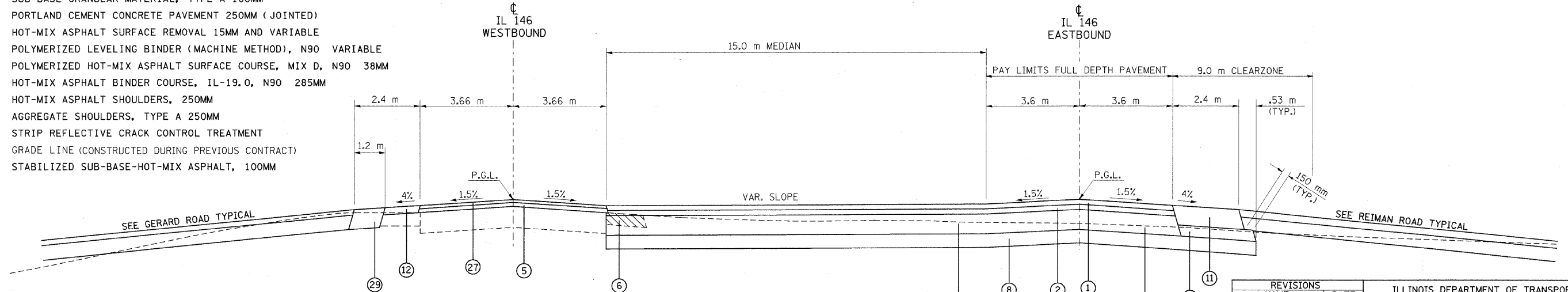
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICALS



- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- 3 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- 4 ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- 5 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- 6 PAVED SHOULDER REMOVAL
- 7 PAVEMENT REMOVAL
- 8 PROCESSING MODIFIED SOILS 300MM
- 9 SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- 10 SUB-BASE GRANULAR MATERIAL, TYPE C
- 11 HOT-MIX ASPHALT SHOULDERS, 200MM
- 12 HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- 13 AGGREGATE SHOULDERS, TYPE A 200MM
- 14 AGGREGATE WEDGE SHOULDER, TYPE B
- 15 PIPE UNDERDRAIN 100MM
- 16 PIPE UNDERDRAIN 100MM (SPECIAL)
- 17 CONCRETE HEADWALL FOR PIPE DRAINS
- 18 COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- 19 COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- 20 CONCRETE MEDIAN SURFACE, 100MM
- 21 COURSE AGGREGATE, CA7 OR CA11
- 22 HOT-MIX ASPHALT BASE COURSE, 285MM
- 23 SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- 24 PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- 25 HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- 26 POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- 27 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- 28 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- 29 HOT-MIX ASPHALT SHOULDERS, 250MM
- 30 AGGREGATE SHOULDERS, TYPE A 250MM
- 31 STRIP REFLECTIVE CRACK CONTROL TREATMENT
- 32 GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- 33 STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM

TO BE USED:
 EB STA. 13+975 TO STA. 14+060
 WB STA. 3+975 TO STA. 4+060



TO BE USED:
 EB STA. 14+060 TO STA. 14+097
 WB STA. 4+060 TO STA. 4+097

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

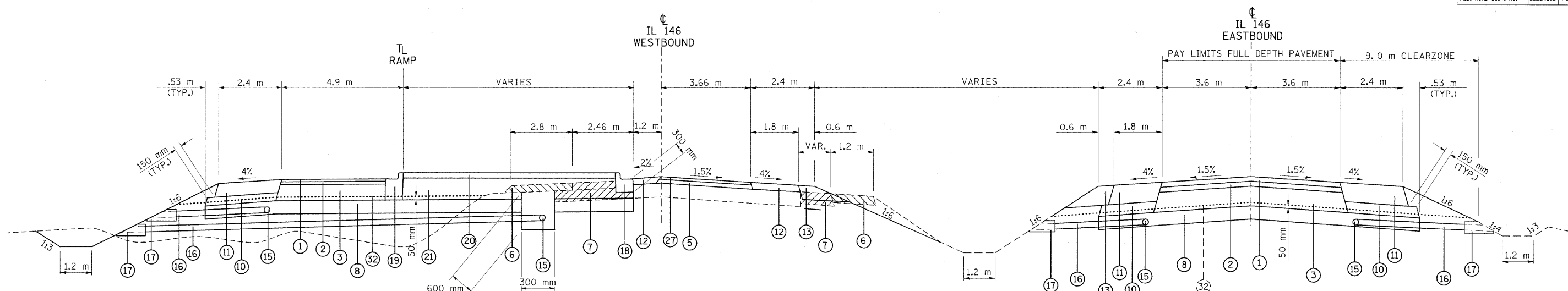
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICALS



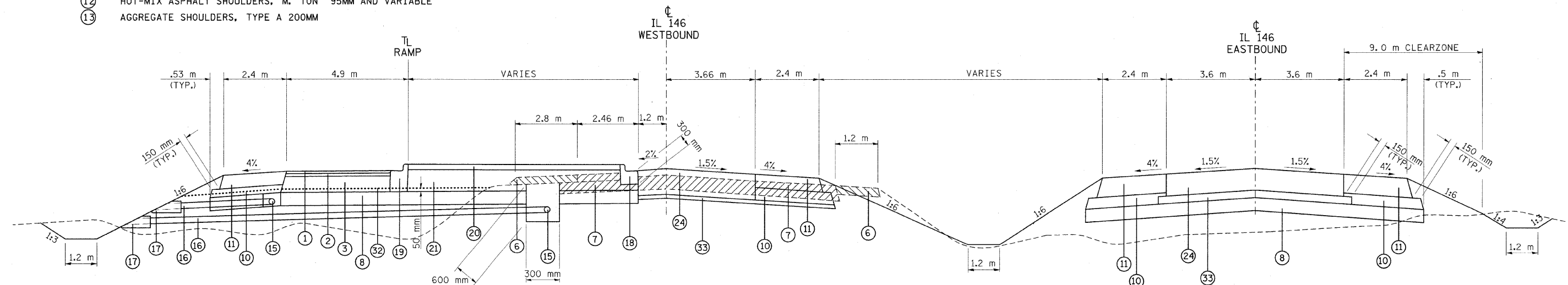
TO BE USED:

EB STA. 16+006.335 TO STA. 16+050 (GRADE LINE STOPS AT EB STA 16+050)
 WB STA. 6+006.335 TO STA. 6+050

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM

- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM

- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



TO BE USED:

EB STA. 16+050 TO STA. 16+100 (GRADE LINE STOPS AT EB STA 16+050)
 WB STA. 6+050 TO STA. 6+100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICALS

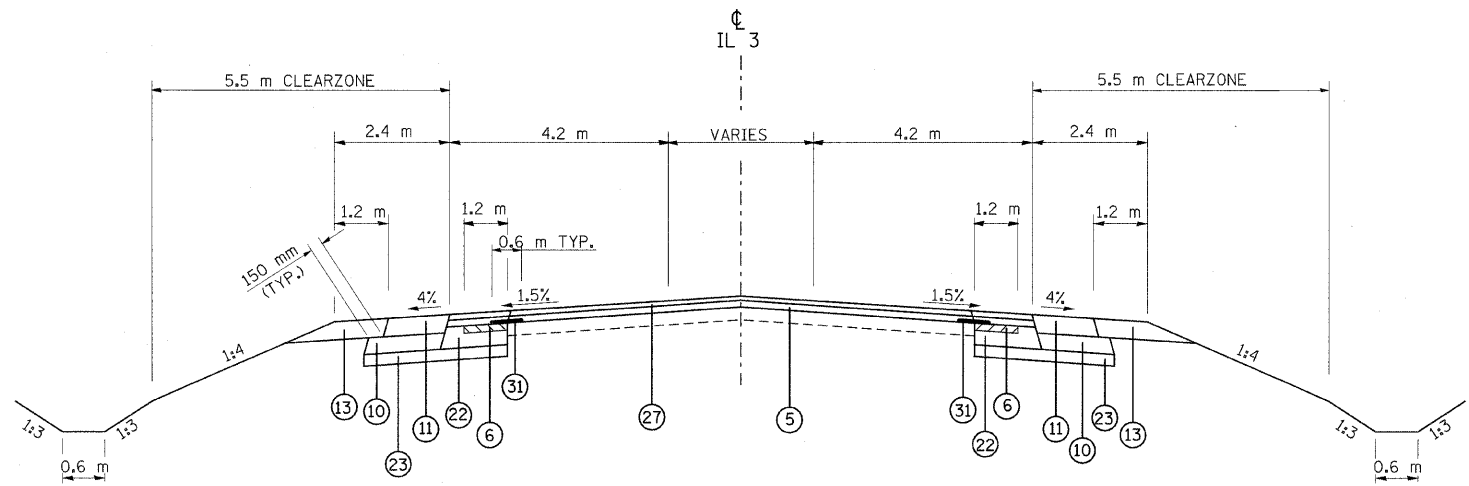
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

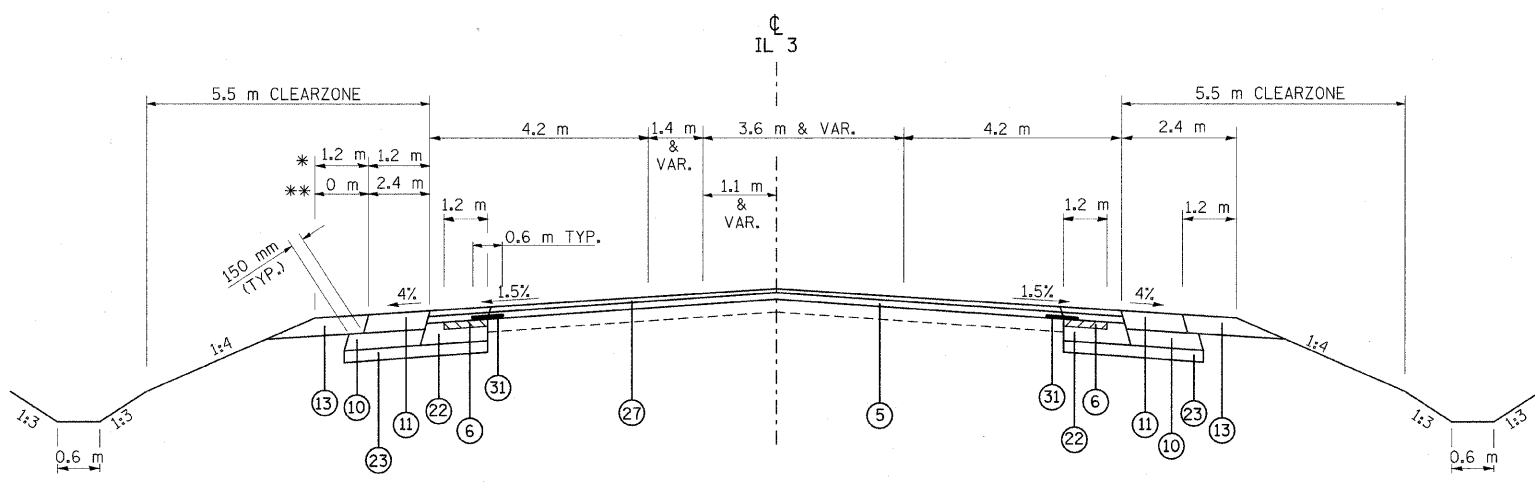
TYPICALS



TO BE USED:
STA. 41+623.582 TO STA. 41+773.582

IL 3 PAVEMENT WIDENING	
STRUCTURAL DESIGN TRAFFIC:	Year 2005
PV = 5,375	SU = 325 MU = 500
ROAD/STREET CLASSIFICATION:	Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50%	S = 50% M = 50%
TRAFFIC FACTOR:	Actual TF = 2.92 AC Type = 20
	Minimum TF = 3.81
PG GRADE: SURFACE:	SBS PG76-22
	TOP LIFT BINDER: SBS PG76-22
	LOWER LIFT BINDER: PG64-22
SUB-GRADE SUPPORT RATING:	
SSR = POOR (STA. 41+623.582 TO 42+225)	

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



TO BE USED:
STA. 41+773.582 TO STA. 41+971.776

* STA. 41+773.582 TO STA. 41+904.68
** STA. 41+904.68 TO STA. 41+971.776

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICALS

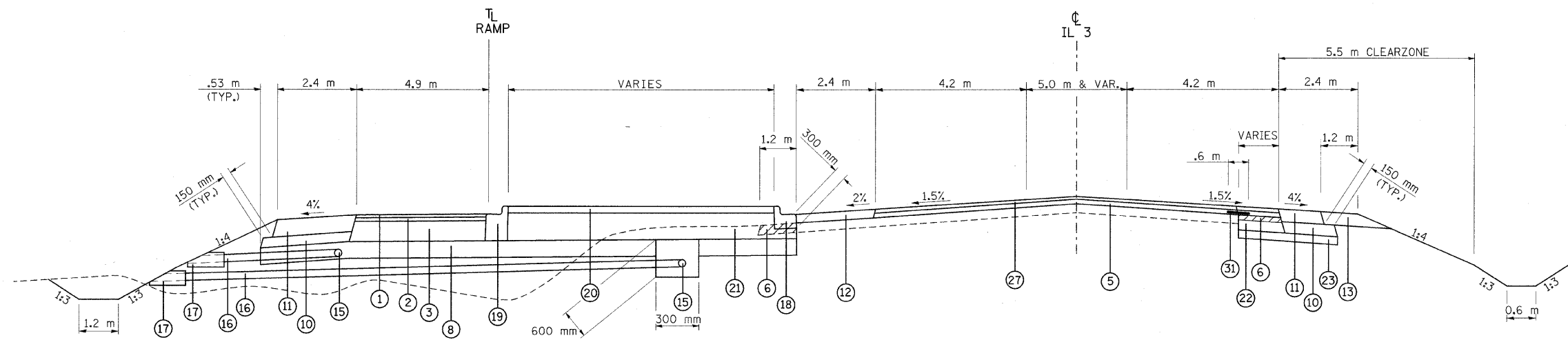
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USER NAME = kranzj0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

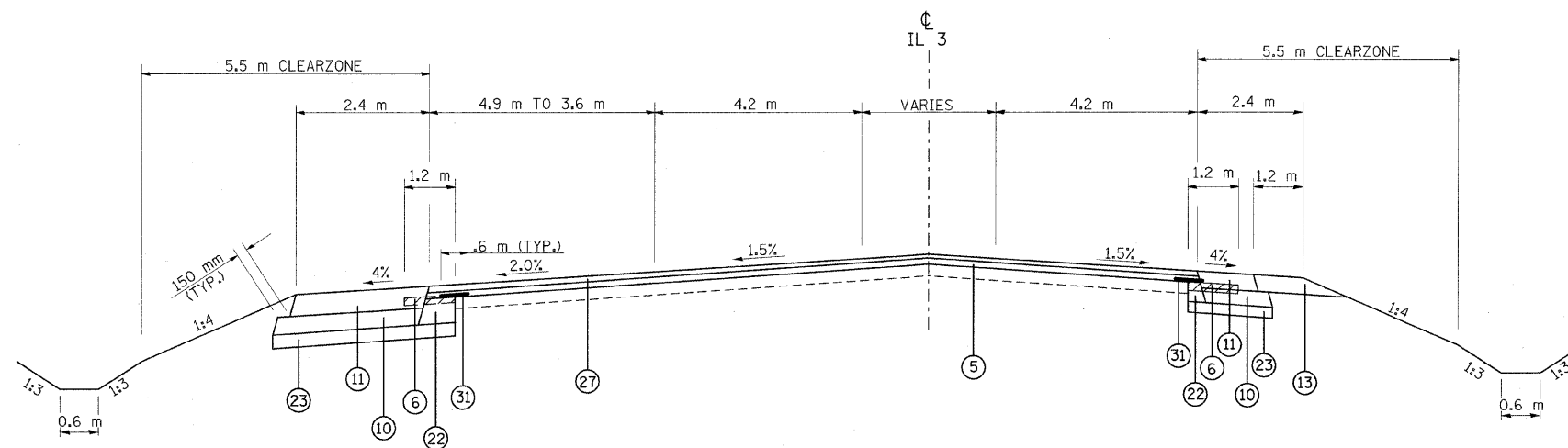
TYPICALS



TO BE USED:

STA. 41+971.776 TO STA. 42+054.3

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



TO BE USED:

STA. 42+054.3 TO STA. 42+070.1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

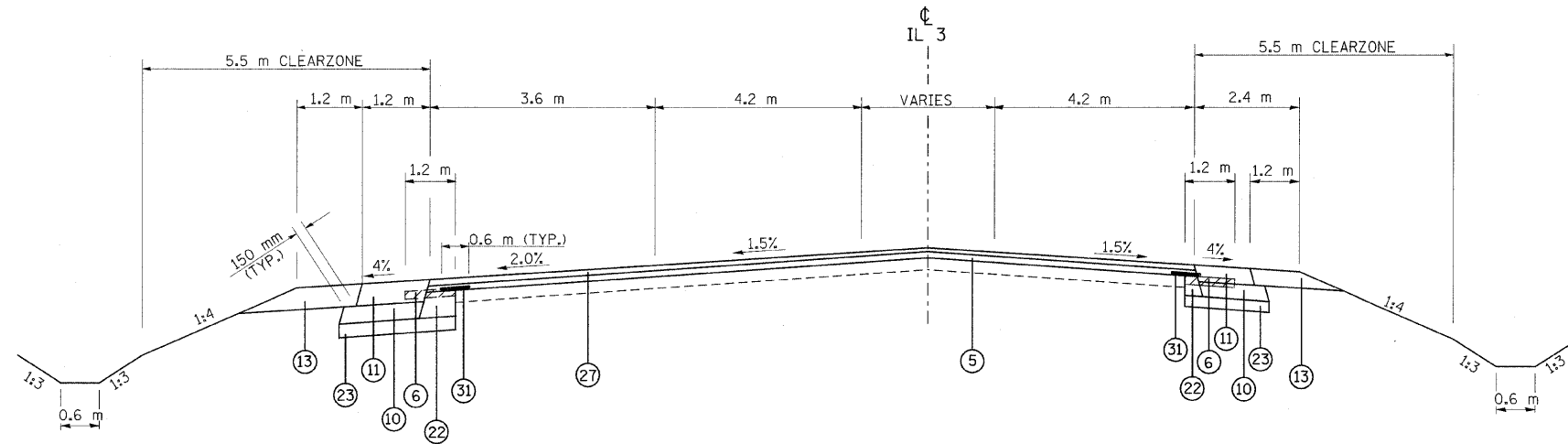
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HORIZ. NONE
DATE

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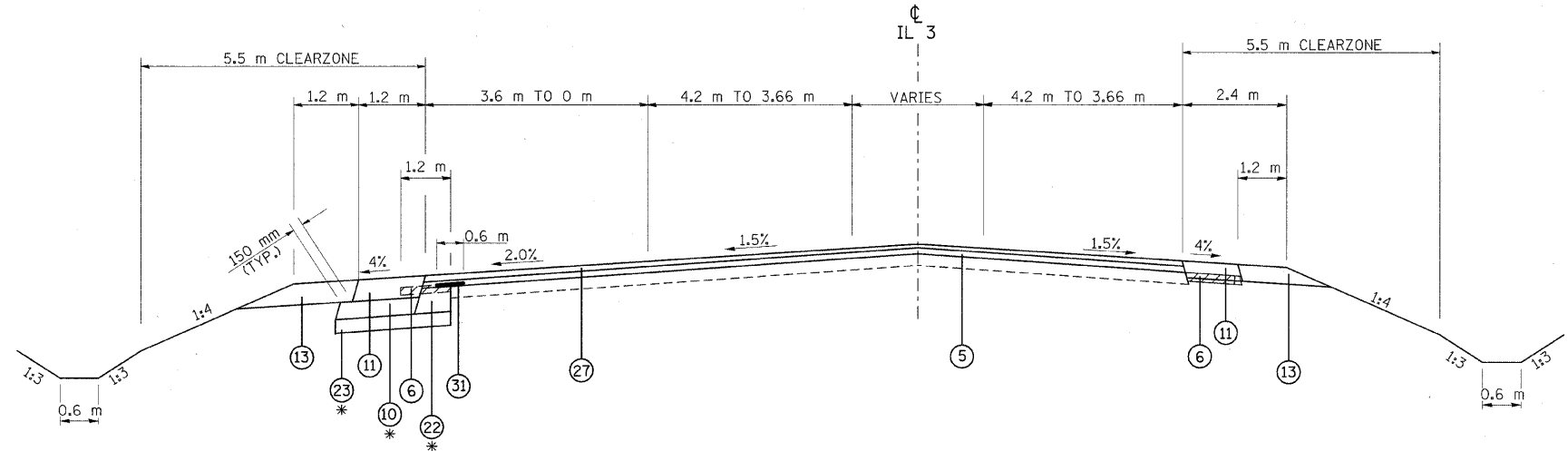
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICALS



TO BE USED:
STA. 42+070.1 TO STA. 42+108.9

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. D, N90 50MM
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 38MM AND VARIABLE
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 292MM
- ④ ROCKFILL (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 57MM AND VARIABLE
- ⑥ PAVED SHOULDER REMOVAL
- ⑦ PAVEMENT REMOVAL
- ⑧ PROCESSING MODIFIED SOILS 300MM
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑪ HOT-MIX ASPHALT SHOULDERS, 200MM
- ⑫ HOT-MIX ASPHALT SHOULDERS, M. TON 95MM AND VARIABLE
- ⑬ AGGREGATE SHOULDERS, TYPE A 200MM
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑮ PIPE UNDERDRAIN 100MM
- ⑯ PIPE UNDERDRAIN 100MM (SPECIAL)
- ⑰ CONCRETE HEADWALL FOR PIPE DRAINS
- ⑱ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.60
- ⑲ COMBINATION CONCRETE CURB AND GUTTER TYPE M-15.15
- ⑳ CONCRETE MEDIAN SURFACE, 100MM
- ㉑ COURSE AGGREGATE, CA7 OR CA11
- ㉒ HOT-MIX ASPHALT BASE COURSE, 285MM
- ㉓ SUB-BASE GRANULAR MATERIAL, TYPE A 100MM
- ㉔ PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)
- ㉕ HOT-MIX ASPHALT SURFACE REMOVAL 15MM AND VARIABLE
- ㉖ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 VARIABLE
- ㉗ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 38MM
- ㉘ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 285MM
- ㉙ HOT-MIX ASPHALT SHOULDERS, 250MM
- ㉚ AGGREGATE SHOULDERS, TYPE A 250MM
- ㉛ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉜ GRADE LINE (CONSTRUCTED DURING PREVIOUS CONTRACT)
- ㉝ STABILIZED SUB-BASE-HOT-MIX ASPHALT, 100MM



TO BE USED:
STA. 42+108.9 TO STA. 42+225

* ENDS AT STA. 42+205

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

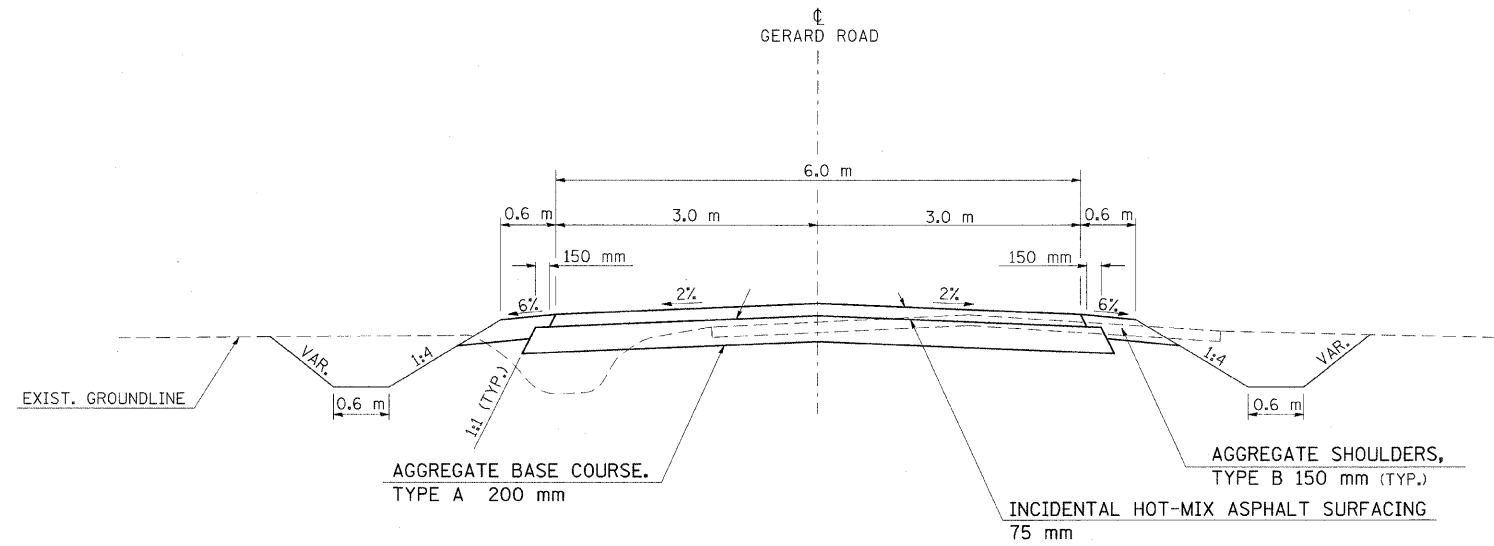
TYPICALS

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DATE CHECKED BY

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 USER NAME = krenzj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	19
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL



TO BE USED:
STA. 9+925 TO STA. 9+994

PLOT DATE = 5/14/2005
 PLOT SCALE = 60.0000 / IN.
 USER NAME = krenz,jc

REVISIONS	
NAME	DATE

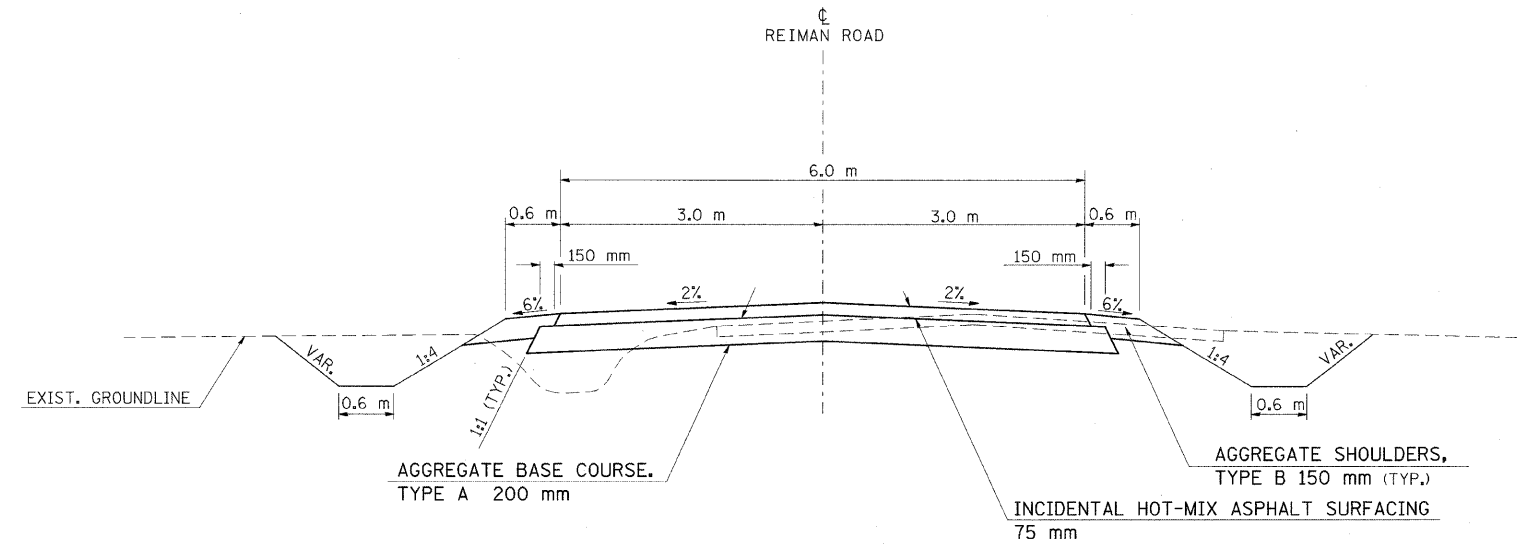
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL

SCALE: VERT. NONE
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

TYPICAL



TO BE USED:

STA. 10+028.3 TO STA. 10+087.3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL

SCALE: VERT. NONE
 HORIZ. DATE
 DRAWN BY CNH
 CHECKED BY

PLOT DATE = 9/14/2009
 FILE NAME = c:\paw\work\1011001\KRAVANZ\C.dwg
 USER NAME = KRAVANZ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

HOT-MIX ASPHALT RESURFACING

LOCATION STATION TO STATION	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX D, N90	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-19.0, N90	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	HOT-MIX ASPHALT BASE COURSE (285MM)	SUB-BASE GRANULAR MATERIAL, TYPE A 100MM	POLYMERIZED BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	MATERIAL TRANSFER DEVICE
	M TON	M TON	M TON	M TON	M TON	SQ M	LITER	M TON	M TON
IL 146									
STA 16+092.00 TO STA 16+098.00 ISLAND PLUG				14.0					
STA 2+539.40 TO STA 2+635.60	144.4		114.5				655.3	2.6	258.9
STA 2+635.60 TO STA 2+650.00	9.6		6.5				44.0	0.2	16.1
STA 2+650.00 TO STA 2+820.00	113.7	264.7					527.6	2.1	378.4
STA 2+820.00 TO STA 2+900.00	53.5	127.5					248.3	1.0	181.0
STA 2+900.00 TO STA 2+950.00	33.4	76.1					155.2	0.6	109.5
STA 2+950.00 TO STA 4+063.00	744.4	1,131.0					3,427.0	13.4	1,875.4
STA 4+063.00 TO STA 4+097.00	22.7	34.5					104.7	0.4	57.2
STA 4+097.00 TO STA 4+187.40	60.5	91.9					278.4	1.1	152.4
STA 4+187.40 TO STA 4+277.30	60.1	91.4					276.8	1.1	151.5
STA 4+277.30 TO STA 5+921.30	1,099.5	1,670.6					5,062.0	19.8	2,770.1
STA 5+921.30 TO STA 6+006.34	56.9	86.4					261.8	1.0	143.3
STA 6+006.34 TO STA 6+050.00	15.3	29.9					69.6	0.5	45.2
STA 6+050.00 TO STA 6+100.30							671.6		
STA 6+089.70 TO STA 6+104.70 TEMP TAPER		121.0					208.7		
STA 6+093.00 TO STA 6+099.00 ISLAND PLUG				13.0					
IL 146 PROJECT TOTAL									
	2,414.0	3,725.0	121.0	27.0	0.0	0.0	11,991.0	43.8	6,139.0
IL 3									
STA 41+623.58 TO STA 41+773.50	134.1	203.1			278.5	856.0	1,268.7	2.4	337.2
STA 41+773.50 TO STA 41+858.60	99.7	150.6			262.5	639.1	1,048.3	1.8	250.3
STA 41+858.60 TO STA 41+904.70	56.3	173.9			119.2	314.8	535.0	1.0	230.2
STA 41+904.70 TO STA 41+938.40	41.2	203.7			68.5	201.1	350.9	0.7	244.9
STA 41+938.40 TO STA 41+971.80	40.8	198.6			44.7	115.4	291.4	0.7	239.4
STA 41+971.80 TO STA 41+988.80	20.8	103.9			23.4	59.7	149.7	0.4	124.7
STA 41+988.80 TO STA 42+054.30	72.0	352.9			65.3	193.9	488.0	1.2	424.9
STA 42+054.30 TO STA 42+070.08	21.1	104.8			23.5	100.5	154.3	0.4	125.9
STA 42+070.08 TO STA 42+108.90	45.5	216.6			52.1	192.2	338.2	0.8	262.1
STA 42+108.90 TO STA 42+120.00	12.1	43.5			17.1	41.7	94.7	0.2	55.6
STA 42+120.00 TO STA 42+138.80	19.2	51.0			27.9	69.1	151.6	0.3	70.2
STA 42+138.80 TO STA 42+205.00	53.9	97.7			47.3	168.5	362.3	0.9	151.6
STA 42+205.00 TO STA 42+225.00	13.3	20.7					61.9	0.2	34.0
IL 3 PROJECT TOTAL									
	630.0	1,921.0	0.0	0.0	1,030.0	2,952.0	5,295.0	11.0	2,551.0
SCHEDULE PROJECT SUB-TOTAL									
	3,044.0	5,646.0	121.0	27.0	1,030.0	2,952.0	17,286.0	54.8	8,690.0
FROM HMA PAVEMENT SCHEDULE									
FROM SHOULDER SCHEDULE									
FROM ENTRANCE AND SIDE ROAD SCHEDULE									
						2,059.0	47,046.0		24,517.0
							35,333.0		
							1,093.0	1.2	
PROJECT TOTAL									
	3,044.0	5,646.0	121.0	27.0	1,030.0	5,011.0	100,758.0	56.0	33,207.0

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 USER NAME = krazjic

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY JCK
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT PAVEMENT

LOCATION STATION TO STATION	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 380MM				HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 200MM			HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 280MM				SUB-BASE GRANULAR MATERIAL, TYPE A 100MM	PROCESSING MODIFIED SOIL 300MM	SLAG- MODIFIED PORTLAND CEMENT	POLYMERIZED BITUMINOUS MATERIAL (PRIME COAT)	MATERIAL TRANSFER DEVICE	
	FOR INFORMATION ONLY				FOR INFO. ONLY			FOR INFORMATION ONLY									
	POLY HMA SUFACE MIX D, N105 50MM	POLY HMA BINDER IL-19.0, N105 38MM	HMA BINDER IL-19.0, N90 292MM	SQ M	POLY HMA SUFACE MIX D, N105 50MM	HMA BINDER IL-19.0, N90 150MM	SQ M	POLY HMA SUFACE MIX D, N105 50MM	POLY HMA BINDER IL-19.0, N105 38MM	HMA BINDER IL-19.0, N90 192MM	SQ M						
	M TON	M TON	M TON		M TON	M TON		M TON	M TON	M TON	SQ M						
IL 146																	
STA 12+539.40 TO STA 12+648.00	47.1	36.2	290.8	391.0									676.6	14.2	626.7	374.1	
STA 12+648.00 TO STA 12+700.00	45.1	34.4	275.3	374.4									647.9	13.6	600.2	354.8	
STA 12+700.00 TO STA 12+820.00 ROCKFILL	104.1	79.5	635.3	864.0									1,495.2	31.4	1,385.0	818.9	
STA 12+820.00 TO STA 13+050.00 ROCKFILL	199.4	152.4	1,217.7	1,656.0									2,865.8	60.2	2,654.7	1,569.5	
STA 13+050.00 TO STA 13+350.00	260.1	198.7	1,588.3	2,160.0									3,738.0	78.5	3,462.6	2,047.1	
STA 13+350.00 TO STA 13+880.00 ROCKFILL	459.6	351.1	2,806.0	3,816.0									6,603.8	138.7	6,117.3	3,616.7	
STA 13+880.00 TO STA 13+970.00 ROCKFILL	97.4	74.3	589.6	810.0									1,283.4	27.0	1,273.7	761.3	
STA 13+970.00 TO STA 13+975.00 ROCKFILL	6.5	4.9	39.0	54.0									80.3	1.7	83.8	50.4	
STA 13+975.00 TO STA 14+060.00	110.3	84.1	663.8	918.0									1,314.1	27.6	1,424.8	858.2	
STA 14+060.00 TO STA 14+290.00	199.4	152.4	1,217.7	1,656.0									2,865.8	60.2	2,654.7	1,569.5	
STA 14+290.00 TO STA 14+375.00 ROCKFILL	73.7	56.3	450.0	612.0									1,059.1	22.2	981.1	580.0	
STA 14+375.00 TO STA 16+050.00	1,452.4	1,109.6	8,868.0	12,060.0									20,870.5	438.3	19,332.9	11,430.0	
STA 16+050.00 TO STA 16+100.00													982.0	20.6	1,364.5		
* STA 4+097.00 TO STA 4+187.40	29.7	45.2	236.5	325.4											133.4	311.5	
* STA 4+187.40 TO STA 4+277.30	16.1	24.7	134.1	175.3											71.9	175.0	
PORTABLE SCALE TURNOUT																	
STA 14+250.00 TO STA 14+300.00								21.8	16.6	83.8	182.5	190.0	146.0	3.1	264.6		
STA 14+300.00 TO STA 14+444.80								84.9	64.5	325.9	709.5	731.2	359.5	7.5	1,028.8		
STA 14+444.80 TO STA 14+460.00													119.0	2.5	113.5		
STA 14+460.00 TO STA 14+604.80								84.9	64.5	325.9	709.5	731.2	745.7	15.7	1,028.8		
STA 14+604.80 TO STA 14+654.80								21.8	16.6	83.8	182.5	190.0	195.0	4.1	264.6		
STA 13+439.00 TO STA 3+451.00 X-OVER					12.2	37.4	101.5					106.9			153.2		
STA 14+060.00 TO STA 4+097.00 X-OVER	41.3	31.5	244.4	344.6									353.7	7.4	513.2		
STA 15+168.00 TO STA 5+181.00 X-OVER					12.6	38.5	104.5					109.7			157.8		
RAMP TURN LANE																	
STA 5+921.30 TO STA 6+006.34	26.7	20.6	168.3	221.1									470.3	9.9	367.5		
STA 0+000.00 TO STA 0+118.50	69.8	53.5	424.9	580.7									2,745.0	57.6	907.2		
STA 0+118.50 TO STA 0+133.60	5.9	4.6	36.7	49.5									93.3	2.0	79.5		
IL 146 PROJECT TOTAL				27,068.0			206.0				1,784.0	2,059.0	49,710.0	1,044.0	47,046.0	24,517.0	
IL 3																	
IL 3 PROJECT TOTAL				0.0			0.0				0.0	0.0	0.0	0.0	0.0	0.0	
SCHEDULE PROJECT SUB-TOTAL				27,068.0			206.0				1,784.0	2,059.0	49,710.0	1,044.0	47,046.0	24,517.0	
FROM RESURFACING SCHEDULE																	
FROM SHOULDER SCHEDULE													2,952.0		17,286.0	8,690.0	
FROM ENTRANCE AND SIDE ROAD SCHEDULE															35,333.0		
															1,093.0		
PROJECT TOTAL				27,068.0			206.0				1,784.0	5,011.0	49,710.0	1,044.0	100,758.0	33,207.0	

* POLY HMA SURFACE WILL BE 38MM, POLY HMA BINDER WILL BE 57MM, HMA BINDER WILL BE 285MM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<h2 style="margin: 0;">SCHEDULE</h2> <p style="margin: 0;">SCALE: VERT. DRAWN BY JCK</p> <p style="margin: 0;"> HORIZ. CHECKED BY</p> <p style="margin: 0;">DATE</p>

PLOT DATE: 1/27/2010
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 PLOT SCALE: 50:0000 / IN.
 USER: NHEE / FranzJc

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PCC PAVEMENT

LOCATION STATION TO STATION	PORTLAND CEMENT CONCRETE PAVEMENT 250MM	PORTLAND CEMENT CONCRETE PAVEMENT 280MM	STABILIZED SUBBASE - HOT-MIX ASPHALT, 100MM	PROTECTIVE COAT
	SQ M	SQ M	SQ M	SQ M
IL 146				
STA 6+050.00 TO STA 6+100.30	350.0		463.4	350.0
STA 16+050.00 TO STA 16+100.00	607.0		941.0	607.0
PORTABLE SCALE TURNOUT STA 14+444.80 TO STA 14+460.00		75.0	77.6	75.0
IL 146 PROJECT TOTAL	957.0	75.0	1,482.0	1,032.0
IL 3				
IL 3 PROJECT TOTAL	0.0	0.0	0.0	0.0
SCHEDULE PROJECT SUB-TOTAL	957.0	75.0	1,482.0	1,032.0
FROM CURB & GUTTER SCHEDULE				1,845.0
PROJECT TOTAL	957.0	75.0	1,482.0	2,877.0

PLOT DATE = 1/21/2018
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 USER NAME = jrcn3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY JCK
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

REMOVAL

LOCATION STA TO STA	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL 15MM	HMA SURFACE REMOVAL VARIABLE DEPTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	ISLAND REMOVAL	
	SQ M	SQ M	SQ M	SQ M	SQ M	SQ M	SQ M	
IL 146								
RT STA 2+539.4 TO STA 2+635.6	134.5	74.2				288.6		
RT STA 2+544.7 TO STA 2+635.6			1,475.0					
RT STA 2+635.6 TO STA 2+820.			586.0	1,350.0				
RT STA 2+820. TO STA 2+900.						403.2		
RT STA 2+635.6 TO STA 2+770.					235.50			
RT STA 2+635.6 TO STA 2+773.8						105.0		
RT STA 2+770. TO STA 2+820.						256.8		
RT STA 4+063.4 TO STA 4+277.4								
LT STA 5+921.00 TO STA 5+962.20						49.4		
LT & RT STA 5+962.20 TO STA 5+994.60						58.3		
RT STA 5+967.50 TO STA 6+100.00					315.40			
LT & RT STA 5+994.60 TO STA 6+059.80						156.5		
LT STA 6+006.34 TO STA 6+097.90					408.60			
STA 6+050.00 TO STA 6+100.30					327.20			
LT & RT STA 6+059.80 TO STA 6+075.00						64.8		
LT & RT STA 6+075.00 TO STA 6+100.30						207.4		
STA 6+100.3		37.1						
LT STA 6+092. TO STA 6+099.							27.5	
RT STA 6+093. TO STA 6+099.							26.5	
STA 16+050.								
STA 16+100.			28.8					
			170.9					
STA 16+092. TO STA 16+098.								
					29.3			
IL 146 PROJECT TOTAL		134.5	311.0	2,061.0	1,350.0	1,316.0	1,590.0	54.0
IL 3								
LT & RT STA 41+623.58 TO STA 41+904.68	89.8	14.8				674.6		
LT & RT STA 41+904.68 TO STA 42+070.08						198.5		
LT & RT STA 42+070.08 TO STA 42+225.						371.9		
STA 42+225.	88.7	15.2						
IL 3 PROJECT TOTAL		178.5	30.0	0.0	0.0	0.0	1,245.0	0.0
PROJECT TOTAL		313.0	341.0	2,061.0	1,350.0	1,316.0	2,835.0	54.0

PLOT DATE = 9/14/2009
 PLOT SCALE = 50/0000 / IN.
 USER NAME = krantz,jp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONCRETE CURB & GUTTER

LOCATION STA TO STA	COMBINATION CONCRETE CURB AND GUTTER,			CONCRETE MEDIAN SURFACE 100MM SQ M	PROTECTIVE COAT SQ M
	TYPE M - 10.15	TYPE M - 15.15	TYPE M - 15.60		
	METER	METER	METER		
IL 146					
STA 6+006. TO STA 6+098. LARGE ISLAND		115.0	148.0	1,659.0	1,817.5
STA 16+092. TO STA 16+098. SMALL ISLAND	11.0			24.0	27.5
IL 146 PROJECT TOTALS	11.0	115.0	148.0	1,683.0	1,845.0
IL 3					
IL 3 PROJECT TOTALS	0.0	0.0	0.0	0.0	0.0
SCHEDULE PROJECT SUB-TOTALS	11.0	115.0	148.0	1,683.0	1,845.0
FROM PCC PAVEMENT SCHEDULE					1,032.0
PROJECT TOTALS	11.0	115.0	148.0	1,683.0	2,877.0

STORM SEWER

LOCATION	STORM SEWERS, CLASS A, TYPE 1			PRECAST REINFORCED CONCRETE FLARED END SECTIONS		INLETS, TYPE B, TYPE 1 FRAME, OPEN LID EACH	INLETS, SPECIAL, TYPE 3, 1.5M EACH	TRENCH BACKFILL CU M
	300MM METER	375MM METER	450MM METER	300MM EACH	450MM EACH			
	IL 146							
STA 6+029.							1	
STA 6+075.							1	
STA 6+081. TO STA 41+990 (IL 146 TO IL 3)		16.0						30.4
STA 6+029. TO STA 0+022. (RT TURN RAMP)	15.2							14.0
STA 6+029. TO STA 6+075.	45.8							78.6
STA 6+081.						1		
RT TURN RAMP								
STA 0+022.				1				
STA 0+105.					1			
IL 146 PROJECT TOTALS	61.0	16.0	0.0	1	1	1	2	123
IL 3								
STA 41+990.							1	
STA 42+025.							1	
STA 41+988.25 TO STA 41+990.			34.5					58.7
STA 41+990. TO STA 42+025.			17.5					18.3
STA 42+025. TO STA 0+105. (RT TURN RAMP)								
IL 3 PROJECT TOTALS	0.0	0.0	52.0	0	0	0	2	77.0
PROJECT TOTALS	61.0	16.0	52.0	1	1	1	4	200.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DRAINAGE

LOCATION STATION TO STATION	EXISTING ENTRANCE INFORMATION		PIPE CULVERTS, CLASS D.		END SECTIONS 375MM EACH	END SECTIONS 450MM EACH
	TYPE	SURFACE	TYPE 2	TYPE 1		
			375 MM METER	450 MM METER		
IL 146						
STA 9+950	GERARD RD	SRL	AGGREGATE		11.5	2.0
IL 146 PROJECT TOTAL				0.0	11.5	0.0 2.0
IL 3						
LT STA 41+656	REMOVE	CEL	AGGREGATE			
LT STA 41+677	SUMMIT	CEL	AGGREGATE			
RT STA 41+967	REMOVE	CER	AGGREGATE			
RT STA 42+220		CER	AGGREGATE	14.0		2.0
IL 3 PROJECT TOTAL				14.0	0.0	2.0 0.0
PROJECT TOTAL				14.0	11.5	2.0 2.0

DRAINAGE REMOVAL

LOCATION	PIPE CULVERT REMOVAL	
	FOR INFORMATION ONLY	
		METER
IL 146		
IL 146 PROJECT TOTALS		0.0
IL 3		
LT STA 41+656.	450MM CMP	15.0
RT STA 41+967.	375MM CMP	12.2
RT STA 42+220.	375MM CMP	13.8
IL 3 PROJECT TOTALS		41.0
PROJECT TOTALS		41.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY

PLOT DATE = 9/14/2009
FILE NAME = c:\pwworkspace\pwworkspace\user43648\dms43648\2009\2-ashed.dgn
PLOT SCALE = 50.0000 / IN.
USER NAME = krenz,jo

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EARTHWORK

LOCATION STA TO STA	EARTH EXCAVATION CU M	FOR INFORMATION ONLY				BORROW SWELL FACTOR **	BORROW EXCAVATION CU M
		AVERAGE SHRINKAGE FACTOR %	EARTH EXCAVATION (ADJUSTED) CU M	EMBANKMENT CU M	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU M		
IL 146							
STA 12+539.4 TO STA 14+079.	1,729	27.1%	1,260	1,372	-112		
STA 14+079. TO STA 15+925.	1,610	29.8%	1,130	1,062	68		
STA 15+925. TO STA 16+100.	225	21.6%	176	459	-283		
STA 9+925. TO STA 9+993.92 GERARD RD.	214	24.0%	163	221	-58		
STA 10+028.27 TO STA 10+087.3 REIMAN RD.	9	19.3%	7	561	-554		
LT STA 5+921.3 TO STA 6+006.08	28	36.8%	18	17	1		
STA 0+000. TO STA 0+133.6 RT TURN RAMP	33	30.3%	23	146	-123		
IL 146 PROJECT TOTAL	3,848		2,777	3,838	-1,061	25.0%	1,415
IL 3							
STA 41+623.6 TO STA 41+945.	803	26.4%	591	823	-232		
STA 41+945. TO STA 42+054.3	124	29.2%	88	211	-123		
STA 42+054.3 TO STA 42+225.	276	26.7%	202	363	-161		
IL 3 PROJECT TOTAL	1,203		881	1,397	-516	25.0%	688
PROJECT TOTAL	5,051		3,658	5,235	-1,577		2,103

** BORROW PIT SHRINKAGE = 25%

BORROW SWELL FACTOR = 1/(1-25%) = 1.33

PLOT DATE = 9/22/2009
 FILE NAME = \\sawtooth\project\78060\Drawings\78060-28.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = krenzjp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SEEDING

LOCATION STATION TO STATION	TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 2 (MODIFIED)	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2
	KG	HECTARE	HECTARE	KG	KG	KG	M TON	HECTARE
IL 146								
STA 12+539.4 TO STA 14+079.	110.0	1.00	1.00	176.0	132.0	132.0	4.4	2.0
STA 14+079. TO STA 15+925.	110.0	1.00	1.00	185.0	139.0	139.0	4.6	2.0
STA 15+925. TO STA 16+100.	11.0	0.10	0.10	23.0	17.0	17.0	0.6	0.2
GERARD/REIMAN ROAD								
STA 9+925. TO STA 9+993.9 GERARD RD	11.0	0.10	0.10	12.0	9.0	9.0	0.3	0.2
STA 10+028.3 TO STA 10+087.3 REIMAN RD	11.0	0.10	0.10	13.0	10.0	10.0	0.3	0.2
RAMP								
LT STA 5+921.3 IL 146 TO STA 0+133.6 RAMP	11.0	0.10	0.10	10.0	7.0	7.0	0.2	0.2
IL 146 PROJECT TOTALS	264.0	2.40	2.40	419.0	314.0	314.0	10.4	4.80
IL 3								
STA 41+623.6 TO STA 41+945.	55.0	0.5	0.5	85.0	64.0	64.0	2.1	1.0
STA 41+945. TO STA 42+054.3	11.0	0.1	0.1	15.0	11.0	11.0	0.4	0.2
STA 42+054.3 TO STA 42+225.	22.0	0.2	0.2	43.0	32.0	32.0	1.1	0.4
IL 3 PROJECT TOTALS	88.0	0.80	0.80	143.0	107.0	107.0	3.6	1.60
PROJECT TOTALS	352.0	3.20	3.20	562.0	421.0	421.0	14.0	6.40

PLOT DATE = 9/14/2003
 PLOT SCALE = 50.0000' / IN.
 USER NAME = krenz.jp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT. DRAWN BY JCK
 HORIZ. CHECKED BY
 DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PIPE UNDERDRAINS

EROSION CONTROL

LOCATION STATION TO STATION	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER
	SQ M	EACH	EACH	METER
IL 146				
RT STA 2+839.			1.0	
RT STA 4+024.			1.0	
RT STA 4+116.			1.0	
RT STA 14+047. TO STA 14+068				21.0
RT STA 14+085. TO STA 14+100				15.0
RT STA 15+931. TO STA 16+075.	432.0			
LT STA 5+925. TO STA 6+006.	243.0			
STA 16+050. MEDIAN		1.0		
RT STA 16+050.		1.0		
LT STA 0+000. TO STA 0+133. TURN RAMP	399.0			
STA 5+931. TO STA 6+089. MEDIAN	1,580.0			
RT STA 9+925. TO STA 9+985. GERARD RD	180.0	3.0		
RT STA 10+040. TO STA 10+087.3 REIMAN RD	142.0	1.0		
IL 146 PROJECT TOTALS	2,976.0	6.0	3.0	36.0
IL 3				
LT STA 41+685. TO STA 41+935.	750.0			
LT STA 42+055. TO STA 42+225.	510.0			
RT STA 41+625. TO STA 42+213.	1,764.0			
LT STA 41+775.		1.0		
LT STA 41+865.		1.0		
LT STA 41+935.		1.0		
LT STA 42+055.		1.0		
LT STA 42+145.		1.0		
RT STA 41+670.		1.0		
RT STA 41+760.		1.0		
RT STA 41+850.		1.0		
RT STA 41+940.		1.0		
RT STA 42+030.		1.0		
RT STA 42+120.		1.0		
IL 3 PROJECT TOTALS	3,024.0	11.0	0.0	0.0
PROJECT TOTAL	6,000.0	17.0	3.0	36.0

LOCATION STATION TO STATION	PIPE UNDERDRAINS 100MM	PIPE UNDERDRAINS 100MM (SPECIAL)	CONCRETE HEADWALL FOR PIPE DRAINS
	METER	METER	EACH
IL 146			
RT STA 12+539.4 TO STA 12+700.	161		
LT & RT STA 13+050. TO STA 13+350.	600		
LT & RT STA 13+975. TO STA 14+290.	630		
LT & RT STA 14+375. TO STA 16+075.	3,400		
LT STA 5+921.3 TO STA 0+133.6 TURN RAMP	219		
RT STA 12+625.		8.0	1
LT & RT STA 13+110.		15.2	2
LT & RT STA 13+200.		8.6	2
LT & RT STA 13+300.		7.7	2
LT & RT STA 14+020.		12.8	2
LT & RT STA 14+140.		15.6	2
LT & RT STA 14+230.		16.0	2
LT & RT STA 14+420.		22.4	2
LT & RT STA 14+510.		10.6	2
LT & RT STA 14+600.		11.3	2
LT & RT STA 14+690.		7.7	2
LT & RT STA 14+780.		8.7	2
LT & RT STA 14+870.		7.8	2
LT & RT STA 14+960.		9.0	2
LT & RT STA 15+050.		7.9	2
LT & RT STA 15+140.		8.0	2
LT & RT STA 15+230.		7.9	2
LT & RT STA 15+320.		7.9	2
LT & RT STA 15+410.		7.9	2
LT & RT STA 15+500.		8.1	2
LT & RT STA 15+590.		7.8	2
LT & RT STA 15+660.		8.5	2
LT & RT STA 15+750.		8.0	2
LT & RT STA 15+840.		7.9	2
LT & RT STA 15+940.		7.8	2
LT & RT STA 16+030.		8.6	2
LT STA 5+960.		6.8	1
LT STA 0+040. TURN RAMP		37.0	1
LT STA 0+095. TURN RAMP		43.5	1
IL 146 PROJECT TOTALS	5,010	345.0	54
IL 3			
IL 3 PROJECT TOTALS	0	0.0	0
PROJECT TOTALS	5,010	345.0	54

NOTE: 1.) AT SAG LOCATIONS, BOTH PIPE UNDERDRAINS 4" (SPECIAL) SHALL BE MEASURED FOR PAYMENT.
 2.) THE PIPE UNDERDRAINS 4" SHALL BE CONNECTED TO THE EXISTING UNDERDRAINS AT THE ENDS OF THE JOB DETERMINED BY THE ENGINEER.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE SCALE: VERT. HORIZ. DATE	DRAWN BY JCK CHECKED BY
NAME	DATE		

PLOT DATE = 9/14/2009
 PLOT SCALE = 1/8" = 100'-0"
 USER NAME = kranzjg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

RAISED PAVEMENT MARKERS

STRIP REFLECTIVE CRACK CONTROL

LOCATION STATION TO STATION		STRIP REFLECTIVE CRACK CONTROL TREATMENT
		METER
IL 146		
IL 146 PROJECT TOTAL		0.0
IL 3		
LT & RT	STA 41+623.58 TO STA 41+773.50	300.0
LT & RT	STA 41+773.50 TO STA 41+858.60	170.0
LT & RT	STA 41+858.60 TO STA 41+904.70	92.0
LT & RT	STA 41+904.70 TO STA 41+938.40	67.0
RT	STA 41+938.40 TO STA 41+971.80	33.0
RT	STA 41+971.80 TO STA 41+988.80	17.0
RT	STA 41+988.80 TO STA 42+054.30	66.0
LT & RT	STA 42+054.30 TO STA 42+070.08	32.0
LT & RT	STA 42+070.08 TO STA 42+108.90	78.0
LT	STA 42+108.90 TO STA 42+120.00	11.0
LT	STA 42+120.00 TO STA 42+138.80	19.0
LT	STA 42+138.80 TO STA 42+205.00	66.0
IL 3 PROJECT TOTAL		951.0
SCHEDULE PROJECT SUB-TOTAL		951.0
PROJECT TOTAL		951.0

LOCATION STATION TO STATION	RAISED REFLECTIVE PAVEMENT MARKERS			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH
	ONE-WAY CRYSTAL EACH	ONE-WAY AMBER EACH	TWO-WAY AMBER EACH	
IL 146				
EASTBOUND				
STA 12+539.4 TO STA 12+635.6	4.0	8.0		
STA 12+635.6 TO STA 13+970.	55.0			
STA 13+970. TO STA 14+060.	11.0			
STA 14+060. TO STA 14+094.	7.0			
STA 14+094. TO STA 16+084.	82.0			
STA 16+084. TO STA 16+100.	4.0			
LT STA 16+094.				
RT STA 16+098.				
WESTBOUND				
STA 2+539.4 TO STA 2+635.6	4.0	8.0		5.0
STA 2+635.6 TO STA 4+063.5	59.0			59.0
STA 4+063.5 TO STA 4+097.5	7.0			2.0
STA 4+097.5 TO STA 4+187.5	11.0			4.0
STA 4+187.5 TO STA 6+006.	75.0			75.0
STA 6+006. TO STA 6+100.	8.0			4.0
RAMP				
STA 0+000. TO STA 0+133.6	11.0			
IL 146 PROJECT SUB-TOTALS	338.0	16.0	0.0	
IL 146 PROJECT TOTALS		354.0		149.0
IL 3				
STA 41+623.6 TO STA 41+653.6			1.0	3.0
STA 41+653.6 TO STA 41+858.6		34.0		9.0
STA 41+858.6 TO STA 41+904.7	4.0	8.0		2.0
STA 41+904.7 TO STA 41+933.8	2.0	4.0		2.0
STA 41+933.8 TO STA 41+941.7		2.0		1.0
STA 41+941.7 TO STA 41+971.8				2.0
STA 41+971.8 TO STA 42+054.3	7.0	14.0		4.0
STA 42+054.3 TO STA 42+108.8	4.0	8.0		3.0
STA 42+108.8 TO STA 42+120.	1.0		2.0	1.0
STA 42+120. TO STA 42+205.			7.0	4.0
STA 42+205. TO STA 42+225.			1.0	1.0
IL 3 SUB-TOTALS	18.0	70.0	11.0	
IL 3 TOTALS		99.0		32.0
PROJECT SUB-TOTALS	356.0	86.0	11.0	
PROJECT TOTALS		453.0		181.0

PLOT DATE: 9/14/2009
 FILE NAME: c:\pva\erik\pva\DOT\VRINZ\JC\dma436\0\md02599a2-sched.dgn
 USER: erik

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHORT-TERM & PAVEMENT MARKING REMOVAL

LOCATION STATION TO STATION	PAVEMENT MARKING TAPE, TYPE III (SPECIAL)				PAVEMENT MARKING REMOVAL SQ M	SHORT- TERM PAVEMENT MARKING METER	WORK ZONE PAVEMENT MARKING REMOVAL SQ M			
	SOLID WHITE METER	SKIP-DASH WHITE METER	SOLID YELLOW METER	STOP BAR SOLID WHITE METER						
	IL 146									
EASTBOUND										
STA 12+539.4 TO STA 12+635.6						16.8	1.7			
STA 12+635.6 TO STA 13+970.						236.4	23.6			
STA 13+970. TO STA 14+060.						15.6	1.6			
STA 14+060. TO STA 14+094.						6.0	0.6			
STA 14+094. TO STA 16+084.						354.0	35.4			
STA 16+084. TO STA 16+100.						3.6	0.4			
LT STA 16+094.						36	3.6			
RT STA 16+098.						30	3.0			
WESTBOUND										
STA 2+539.4 TO STA 2+635.6						16.8	1.7			
STA 2+635.6 TO STA 4+063.5						255.6	25.6			
STA 4+063.5 TO STA 4+097.5						6.0	0.6			
STA 4+097.5 TO STA 4+187.5						15.6	1.6			
STA 4+187.5 TO STA 6+006.						325.2	32.5			
STA 6+006. TO STA 6+100.						16.8	1.7			
RAMP										
STA 0+000. TO STA 0+133.6						4.6	0.4			
STAGING										
STA 12+539.4 TO STA 12+644. STAGE 3					61.0					
STA 12+539.4 TO STA 12+600. STAGE 3	122.3		121.8							
STA 12+600. TO STA 16+100. STAGE 3	7,000.0	875.9								
IL 146 PROJECT SUB-TOTALS				7,122.3	875.9	121.8	0.0	61.0	1,339.0	134.0
IL 146 PROJECT TOTALS					8,120.0					
IL 3										
STA 41+623.6 TO STA 41+653.6						7.2	0.2			
STA 41+653.6 TO STA 41+858.6						122.4	4.1			
STA 41+858.6 TO STA 41+904.7						57.6	1.4			
STA 41+904.7 TO STA 41+933.8						28.8	0.7			
STA 41+933.8 TO STA 41+941.7						9.6	0.2			
STA 41+941.7 TO STA 41+971.8										
STA 41+971.8 TO STA 42+054.3						67.2	1.7			
STA 42+054.3 TO STA 42+108.8						57.6	1.4			
STA 42+108.8 TO STA 42+120.						9.6	0.2			
STA 42+120. TO STA 42+205.						25.2	0.8			
STA 42+205. TO STA 42+225.						7.8	0.3			
STAGING										
STA 41+790. TO STA 41+966. STAGE 1	176.0		352.0	22.2	82.0					
STA 41+978. TO STA 42+218. STAGE 1	30.5		480.0	99.3	121.0					
STA 41+790. TO STA 41+966. STAGE 2					144.0		4.8			
STA 41+966. TO STA 41+978. STAGE 2					432.0		14.4			
STA 41+978. TO STA 42+218. STAGE 2					72.0		2.4			
STA 41+790. TO STA 41+930. STAGE 3	280.0		280.0	33.0			59.3			
STA 41+930. TO STA 41+965. STAGE 3	35.0			84.0			11.9			
STA 41+965. TO STA 42+218. STAGE 3	506.0		506.0				101.2			
IL 3 SUB-TOTALS				1,027.5	0.0	1,618.0	238.5	203.0	1,041.0	205.0
IL 3 TOTALS					2,884.0					
PROJECT SUB-TOTALS				8,149.8	875.9	1,739.8	238.5	264.0	2,380.0	339.0
PROJECT TOTALS					11,004.0					

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
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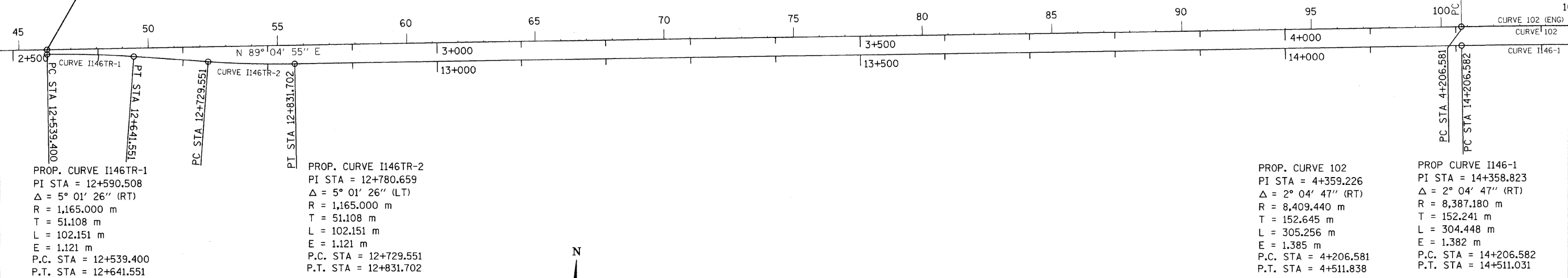
PLOT DATE = 9/14/2009
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = kranzjc

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CURVE 102 (ENG)
 PI Sta 105+77.24
 D = 2° 04' 35.26" RT
 Δ = 0° 12' 27.61"
 L = 999.8905'
 T = 500.0000'
 R = 27,589.9707'
 PC Sta 100+77.24
 PT Sta 110+77.13

PROJECT BEGINS

STA. 46+06.92 WB IL146 ENGLISH=
 STA 2+539.4 WB IL 146 METRIC=
 STA 12+539.4 (18.44', 5.620m RT.) EB IL 146 METRIC



PI Sta 105+77.24
 D = 2° 04' 35.26" RT
 Δ = 0° 12' 27.61"
 L = 999.8905'
 T = 500.0000'
 R = 27,589.9707'
 PC Sta 100+77.24
 PT Sta 110+77.13

IMPROVEMENT ENDS
 STA. 169+15.80 IL3 ENGLISH=
 STA 42+225 IL 3 METRIC=

PROJECT ENDS
 STA. 163+11.12 WB IL146 ENGLISH=
 STA 6+106.988 WB IL 146 METRIC=

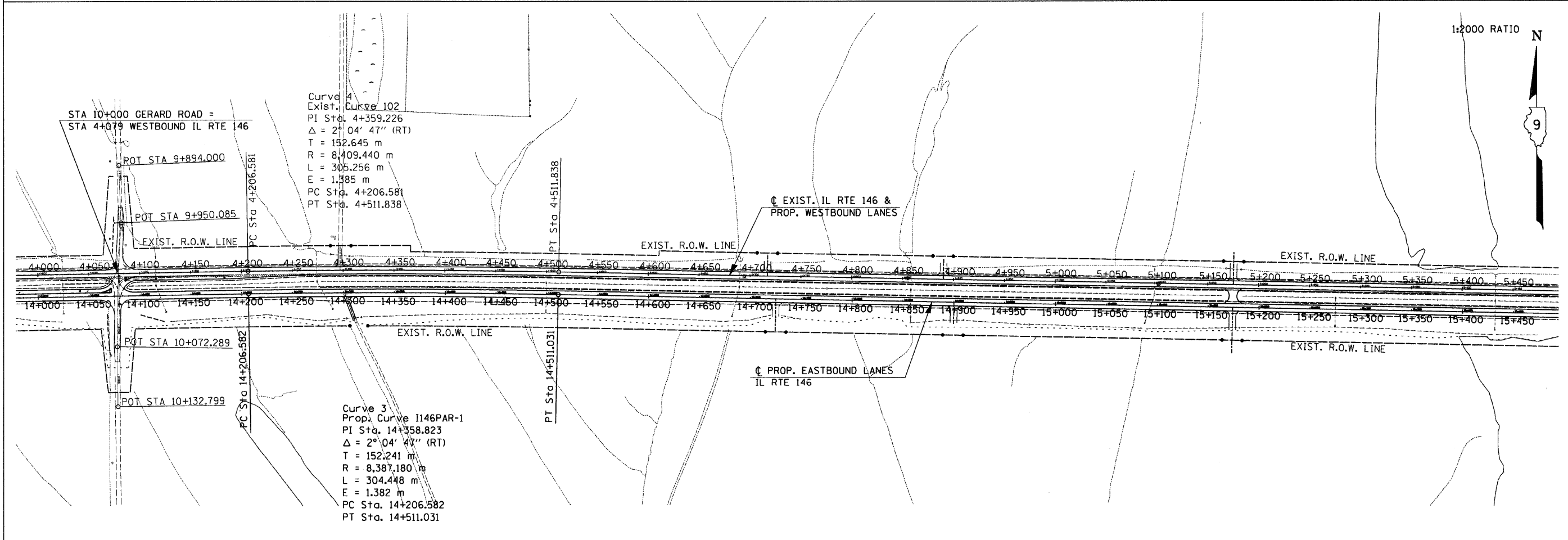
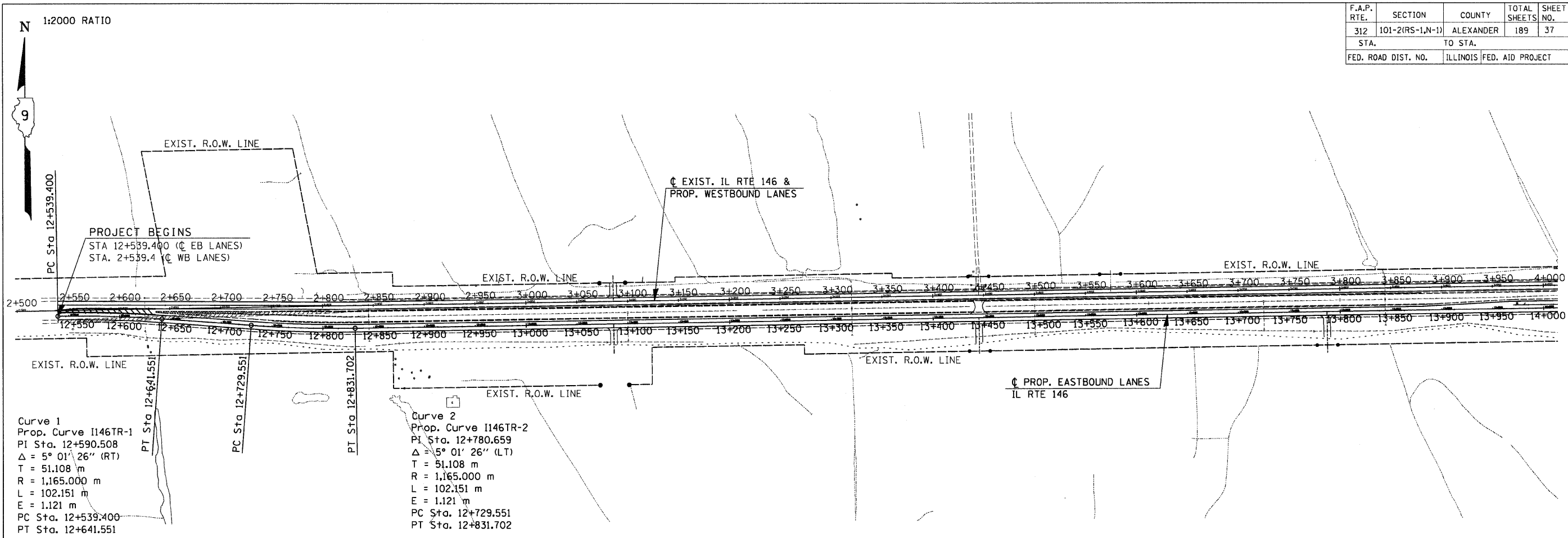
PROJECT ENDS
 STA 16+106.628 EB IL 146 METRIC

PROF. CURVE 102
 PI STA = 4+359.226
 Δ = 2° 04' 47" (RT)
 R = 8,409.440 m
 T = 152.645 m
 L = 305.256 m
 E = 1.385 m
 P.C. STA = 4+206.581
 P.T. STA = 4+511.838

PROF. CURVE I146-1
 PI STA = 14+358.823
 Δ = 2° 04' 47" (RT)
 R = 8,387.180 m
 T = 152.241 m
 L = 304.448 m
 E = 1.382 m
 P.C. STA = 14+206.582
 P.T. STA = 14+511.031

IMPROVEMENT BEGINS
 STA. 1374+14.70 IL 3 ENGLISH=
 STA 41+623.582 IL 3 METRIC=

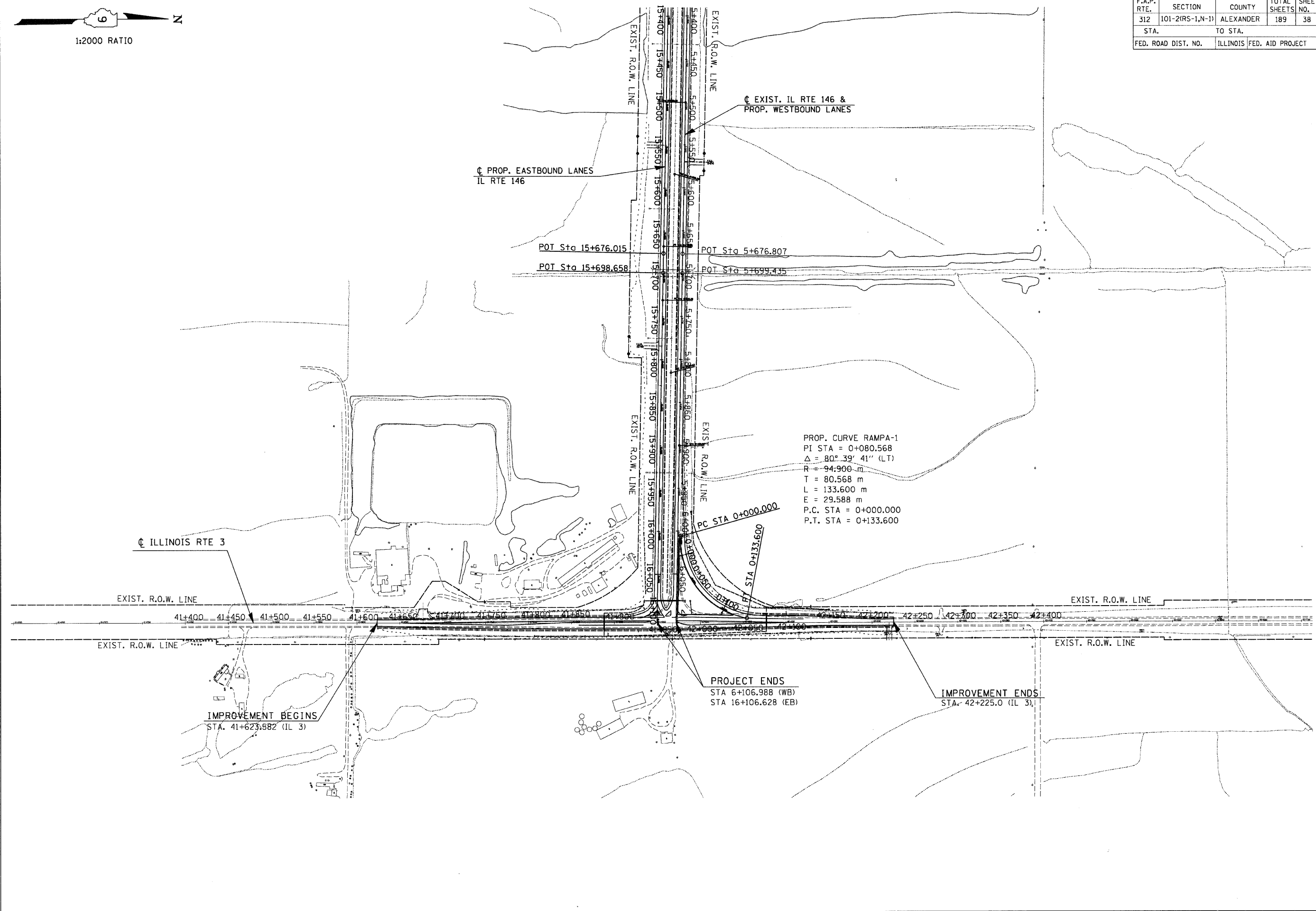
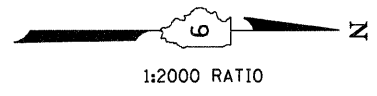
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	37
STA. TO STA.		FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS		



GENERAL PLAN - STA. 2+500 WB TO STA. 5+450 WB (15+450 EB) IL 146

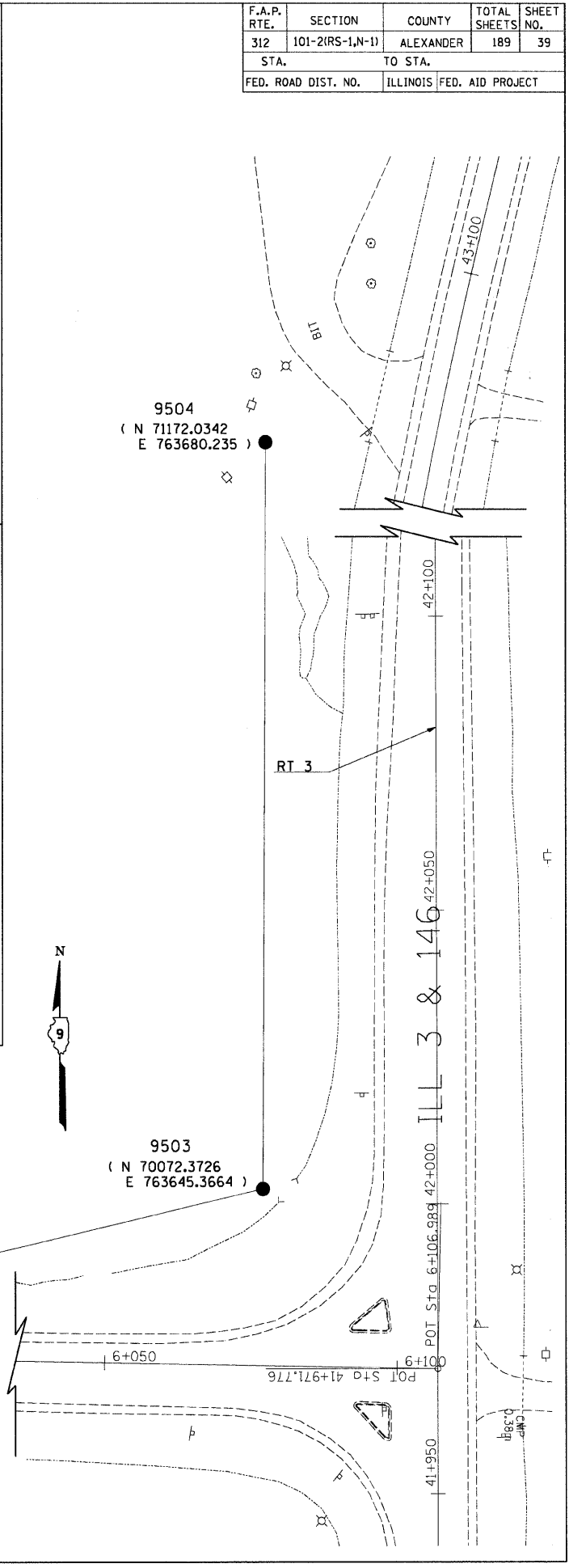
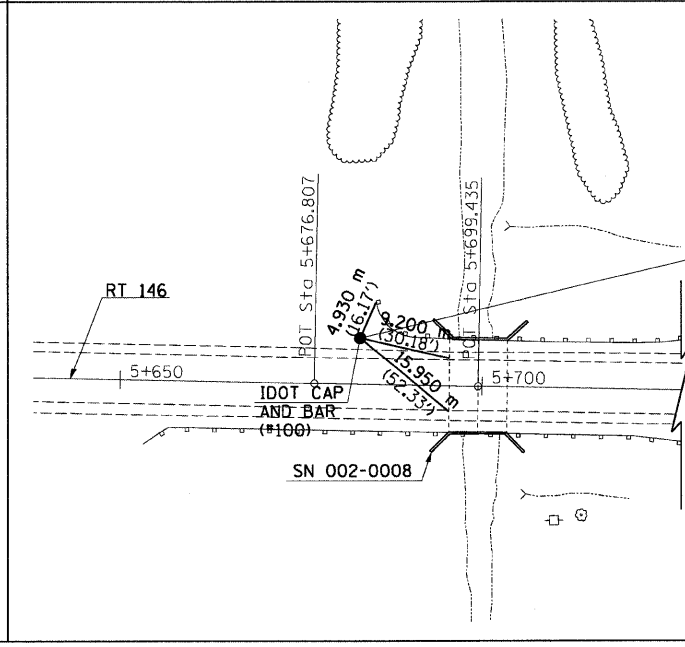
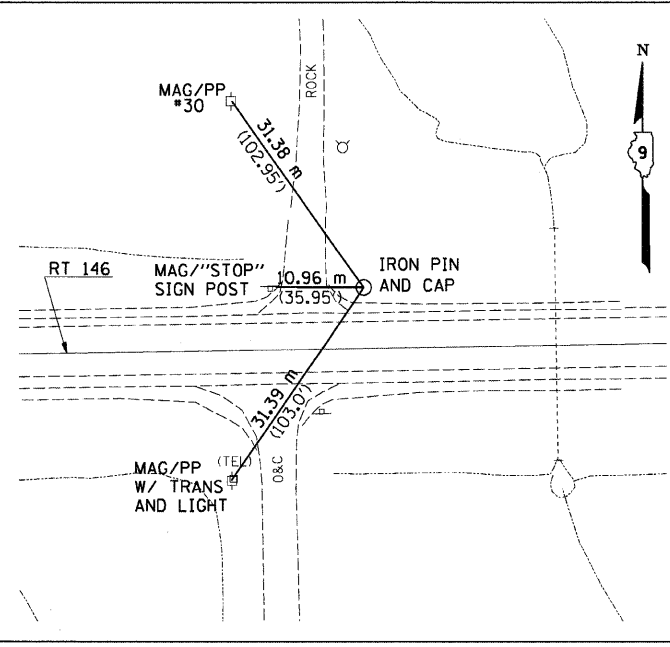
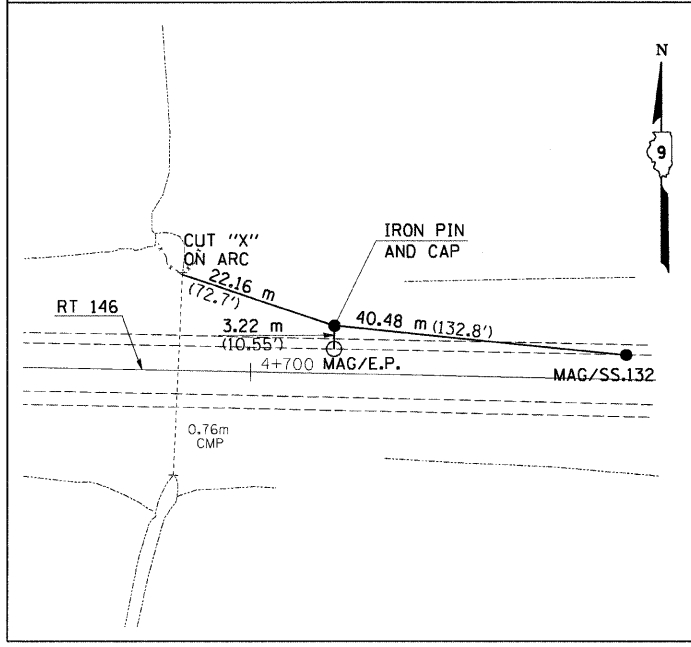
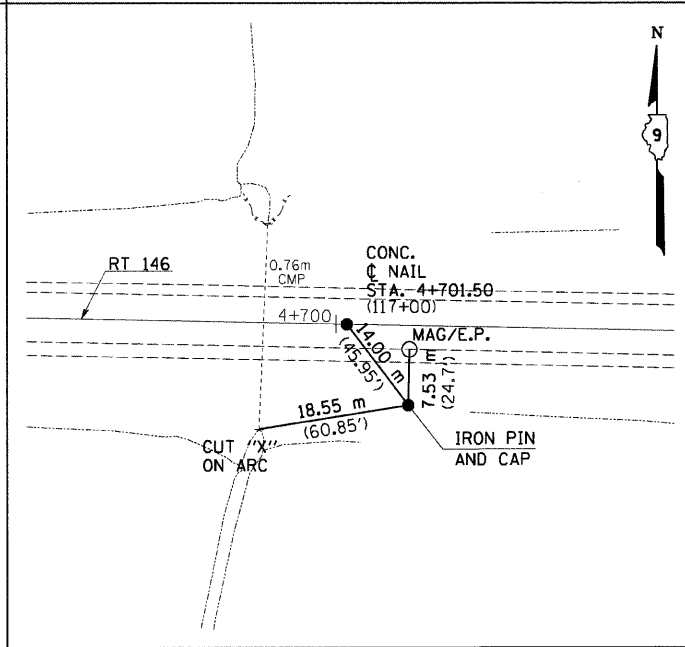
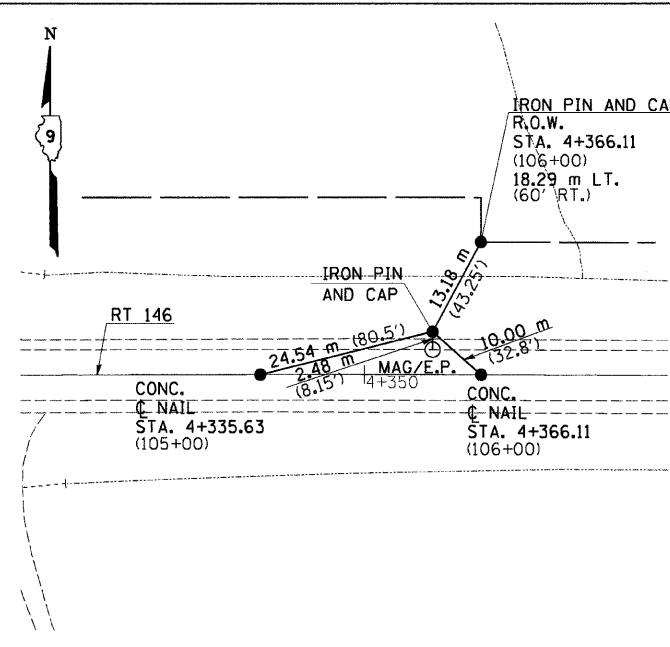
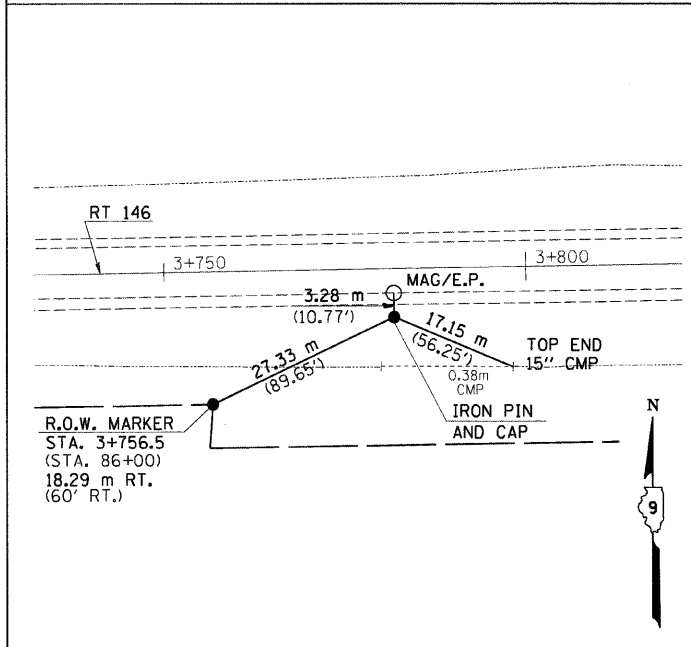
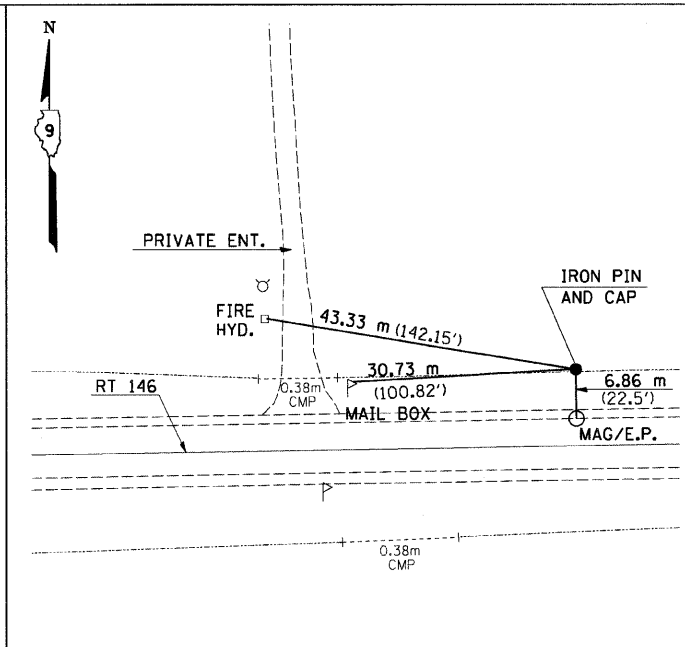
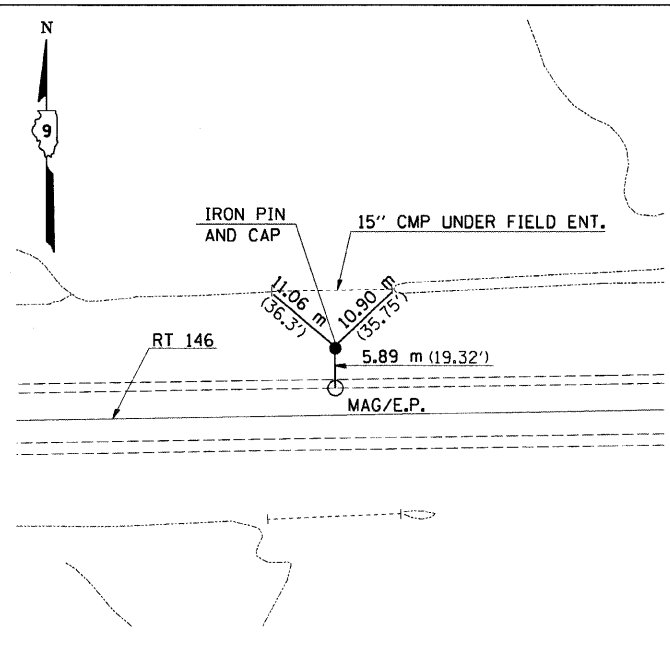
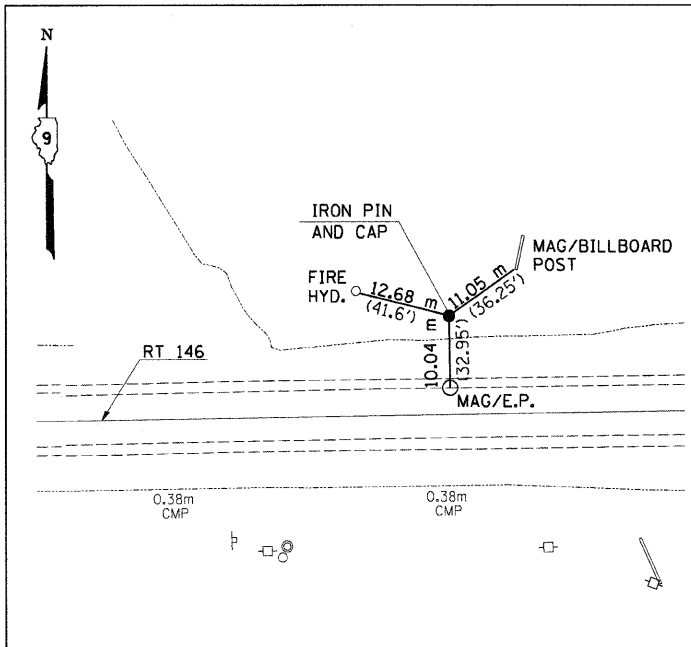
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Wednesday, September 16, 2009 @ 7:49:14 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	39
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

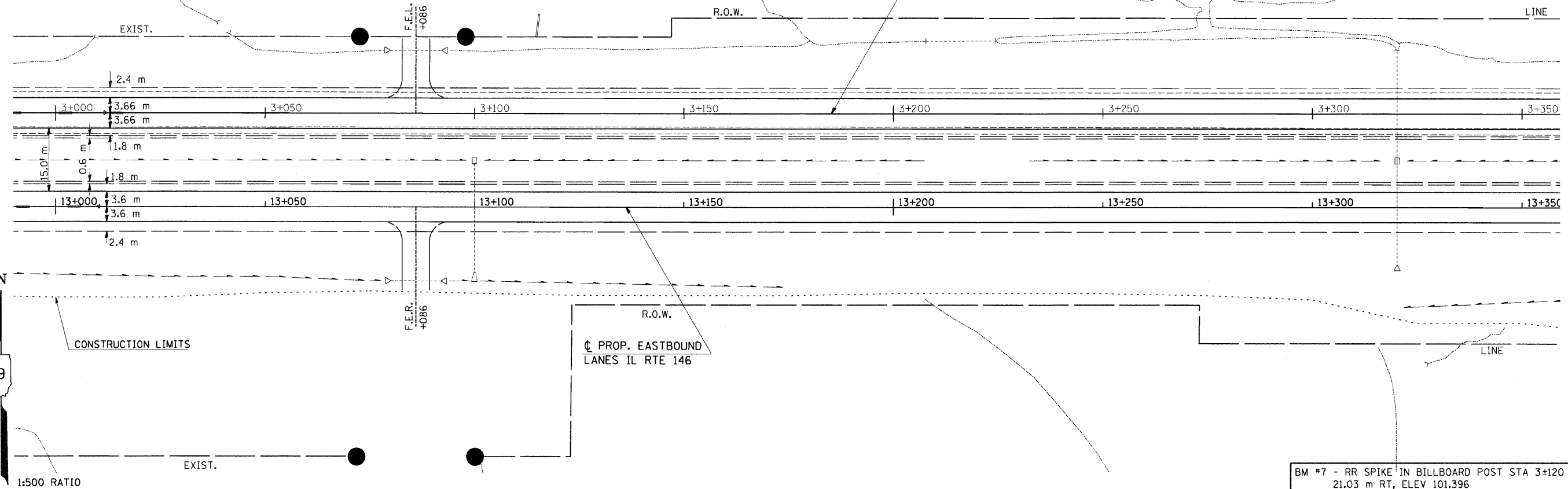


Tuesday September 15, 2009 @ 11:53:16 AM
 c:\pwworking\VPWID\PROJECTS\78060\m2259c2p3.dgn LV-2-63

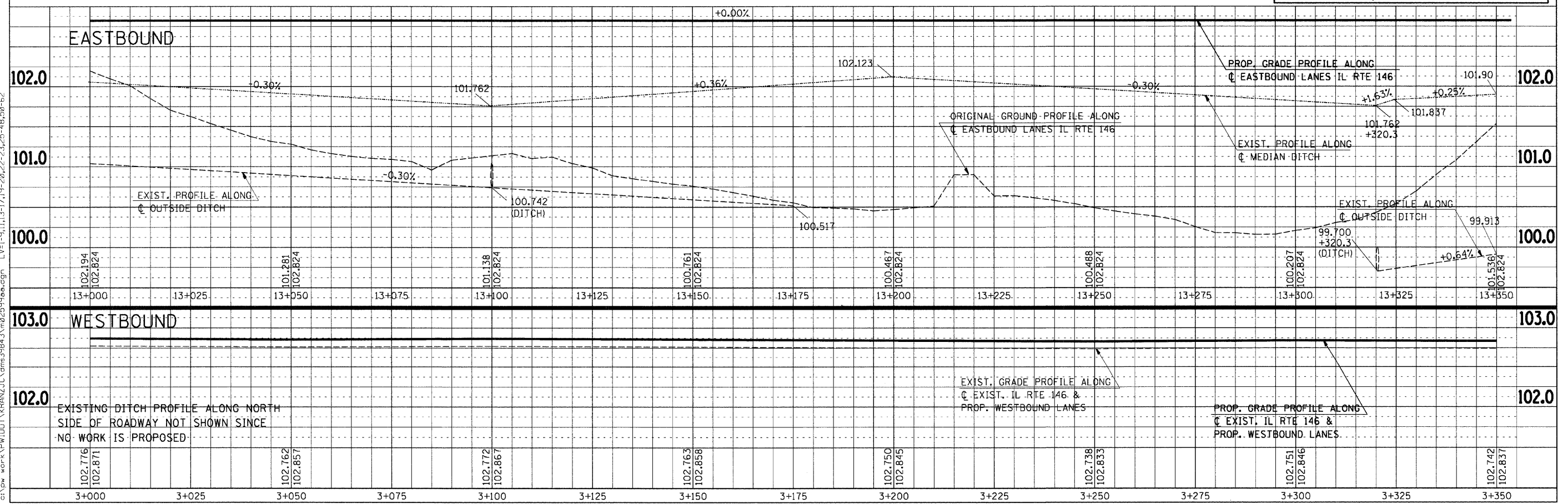
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	42
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

EXIST. IL RTE 146 & PROP. WESTBOUND LANES



BM #7 - RR SPIKE IN BILLBOARD POST STA 3+120
21.03 m RT, ELEV 101.396



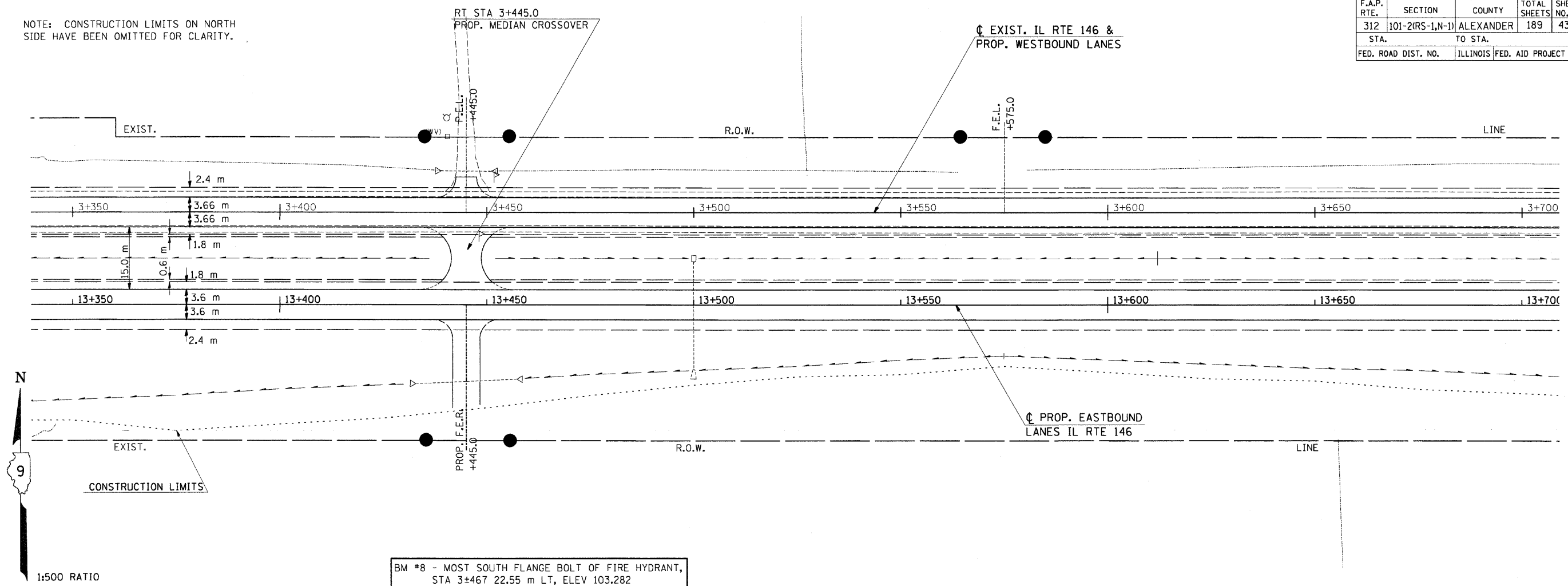
PLAN-PROFILE - STA 3+000 TO STA 3+350

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

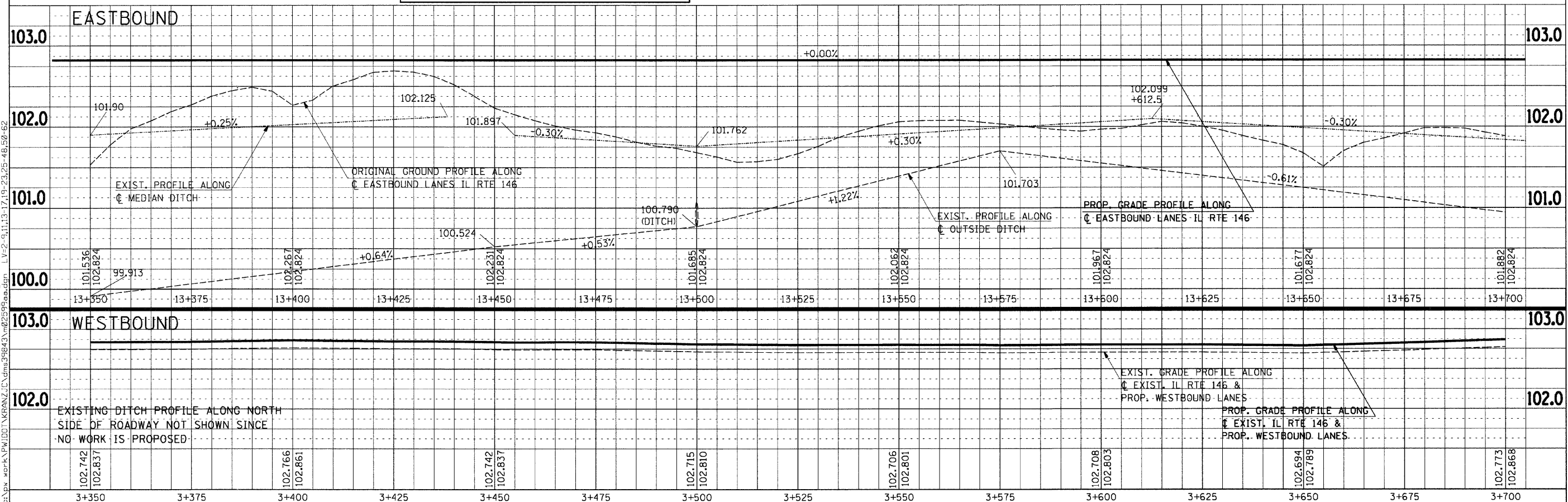
Tuesday September 15, 2009 @ 10:05 AM
 c:\pw-wor-k\pwwork\kranzjc\dms43640\m22599p1.dgn LV=2-20,24-63
 c:\pw-wor-k\pwwork\kranzjc\dms39843\m2009p.dgn LV=1-5,7-15,17-21,23-62
 c:\pw-wor-k\pwwork\kranzjc\dms39843\m22599p.dgn LV=1-9,11,13-17,19-20,22-23,25-48,50-62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	43
STA. TO STA.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.



BM #8 - MOST SOUTH FLANGE BOLT OF FIRE HYDRANT, STA 3+467 22.55 m LT, ELEV 103.282



PLAN-PROFILE - STA 3+350 TO STA 3+700

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

Tuesday, September 15, 2009 @ 11:09:14 AM
 c:\p-work\101-2(RS-1,N-1)\312-436\dwg\25999.dgn LV=2-20,24-63
 c:\p-work\101-2(RS-1,N-1)\312-436\dwg\25999.dgn LV=1-5,7-15,17-21,23-62
 c:\p-work\101-2(RS-1,N-1)\312-436\dwg\25999.dgn LV=2-5,11,13-17,19-23,25-48,50-62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	44
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

DATE	BY

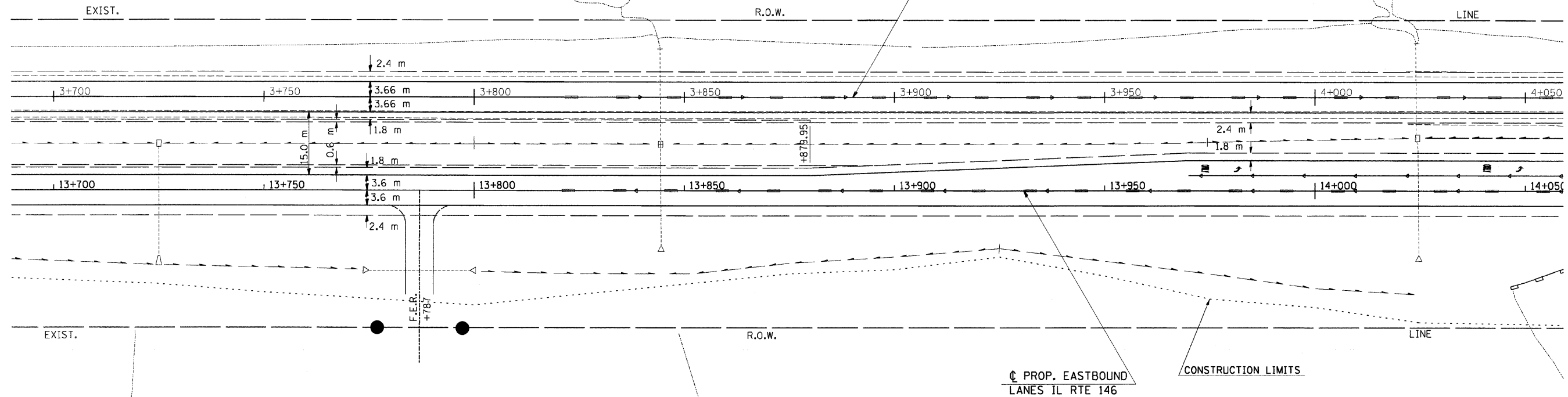
FINAL SURVEY
NO.

SURVEYED PLOTTED
NO.

NOTE BOOK TEMPLATE
AREAS CHECKED
NO.

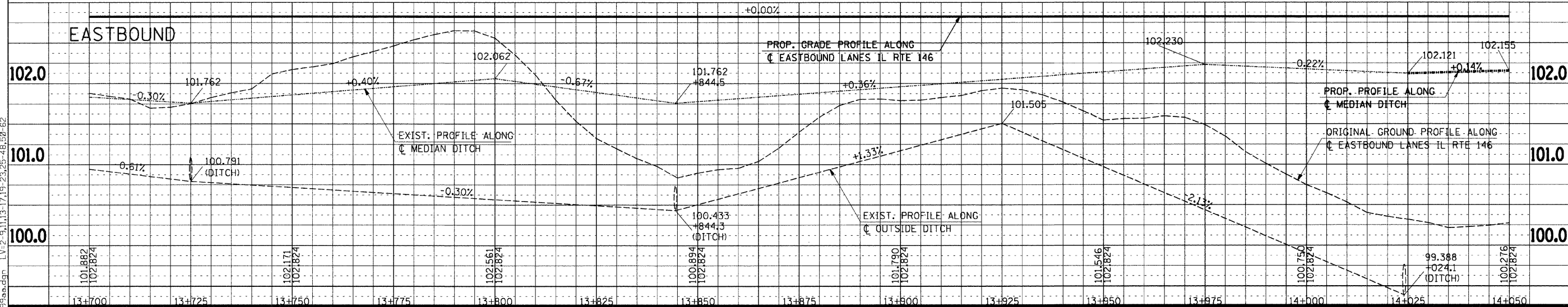


1:500 RATIO

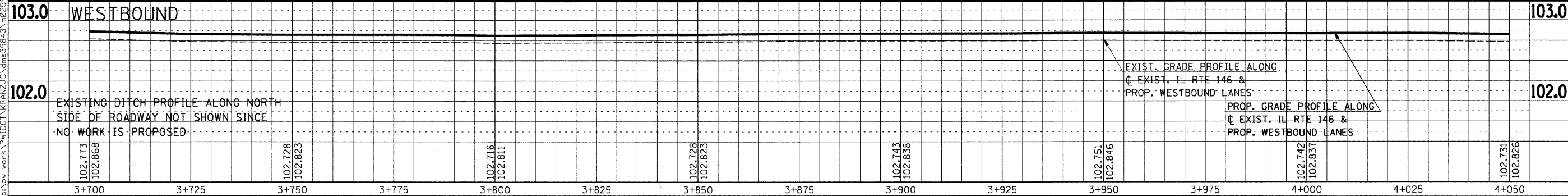


BM #9 - TOP OF "T" POST LOCATED BEHIND ROW
MARKER, STA 3+758 18.59 m RT, ELEV 102.967

EASTBOUND



WESTBOUND



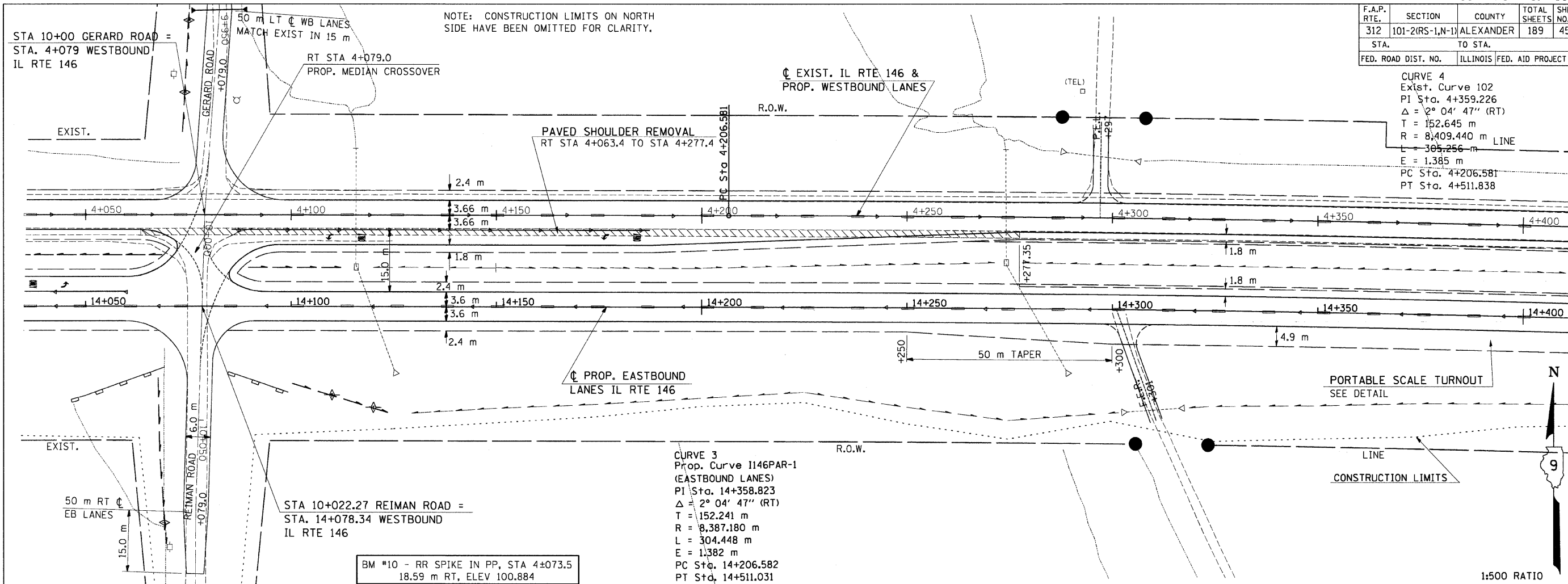
Tuesday September 15, 2009 @ 10:07:55 AM
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 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-62
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-61
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-60
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-59
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-58
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-57
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-56
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-55
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-54
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-53
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-52
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-51
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-50
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-49
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-48
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-47
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-46
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-45
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-44
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-43
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-42
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-41
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-40
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-39
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-38
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-37
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-36
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-35
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-34
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-33
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-32
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-31
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-30
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-29
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-28
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-27
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-26
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-25
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-24
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-23
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-22
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-21
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-20
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-19
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-18
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-17
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-16
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-15
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-14
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-13
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-12
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-11
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-10
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-9
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-8
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-7
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-6
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-5
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-4
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-3
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-2
 C:\p\work\101-2(RS-1,N-1)\101-2-20-24-1

PLAN-PROFILE - STA 3+700 TO STA 4+050

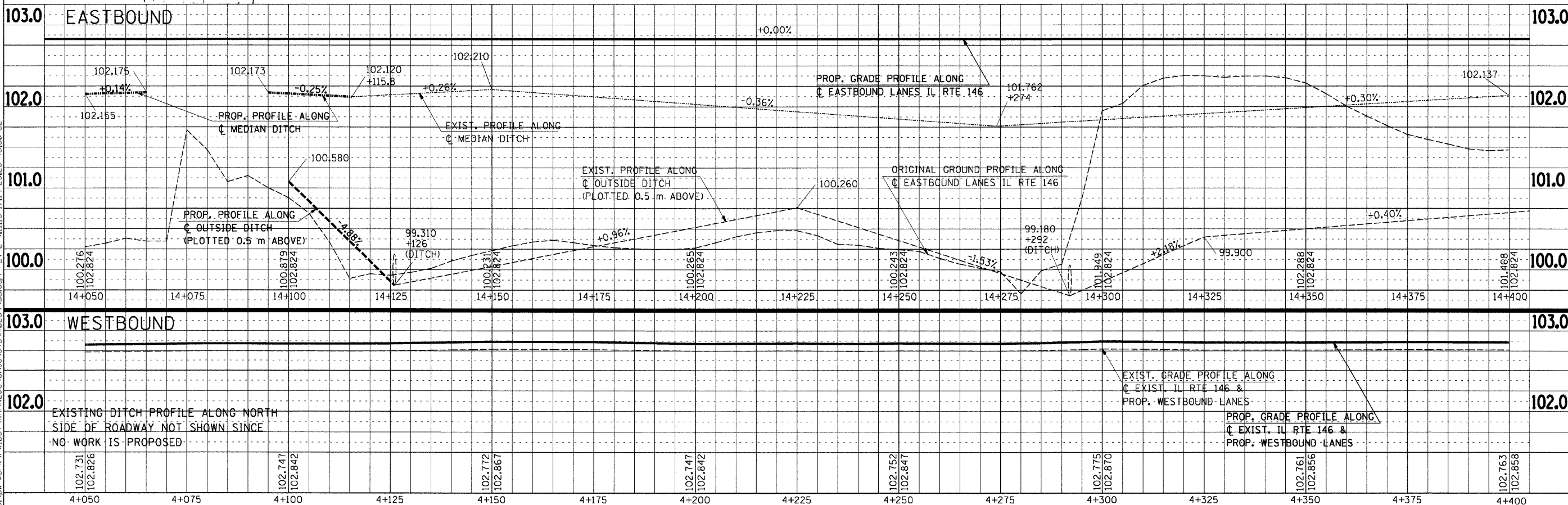
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CURVE 4
 Exist. Curve 102
 PI Sta. 4+359.226
 $\Delta = 2^\circ 04' 47''$ (RT)
 T = 152.645 m
 R = 8,409.440 m LINE
 L = 305.256 m
 E = 1.385 m
 PC Sta. 4+206.581
 PT Sta. 4+511.838

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.



FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



Tuesday, September 5, 2009 @ 11:06:52 AM
 C:\pwworking\PKMIDDIT\KRRANZ\proj\101-2(RS-1,N-1)\101-2(RS-1,N-1)-20-24-62.dwg
 User: PKMIDDIT, KRRANZ, J...
 Plot: 101-2(RS-1,N-1)-20-24-62.dwg
 Plot Scale: 1:500
 Plot Date: 9/5/09 11:06:52 AM

PLAN-PROFILE - STA 4+050 TO STA 4+400

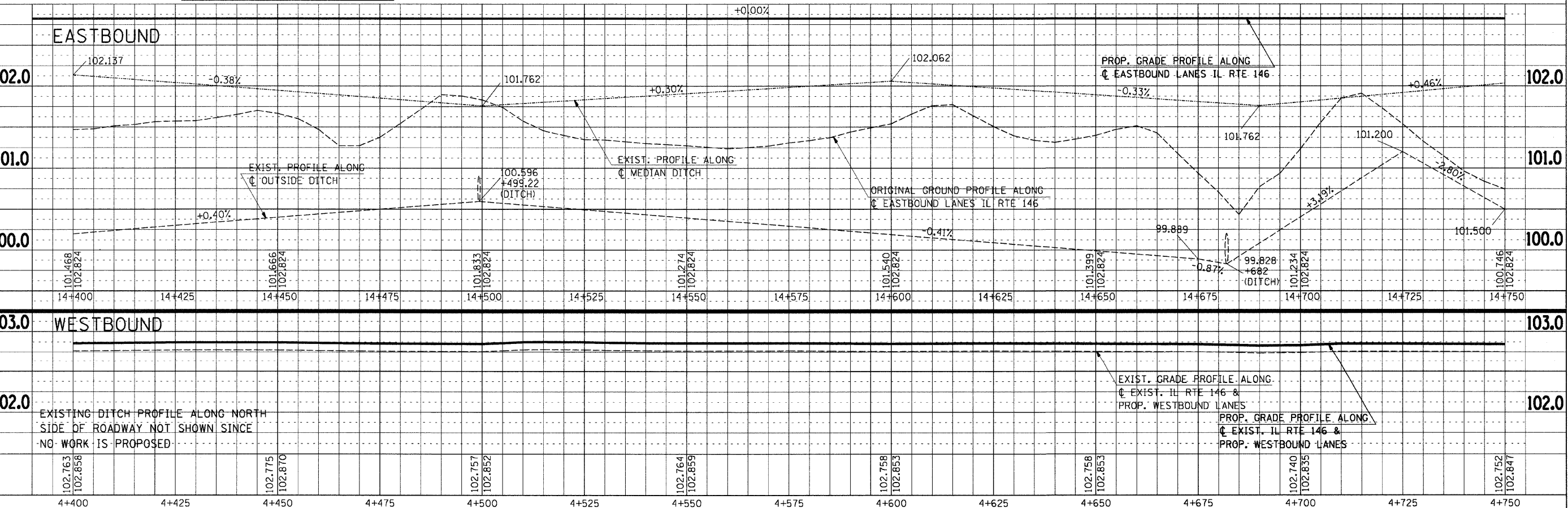
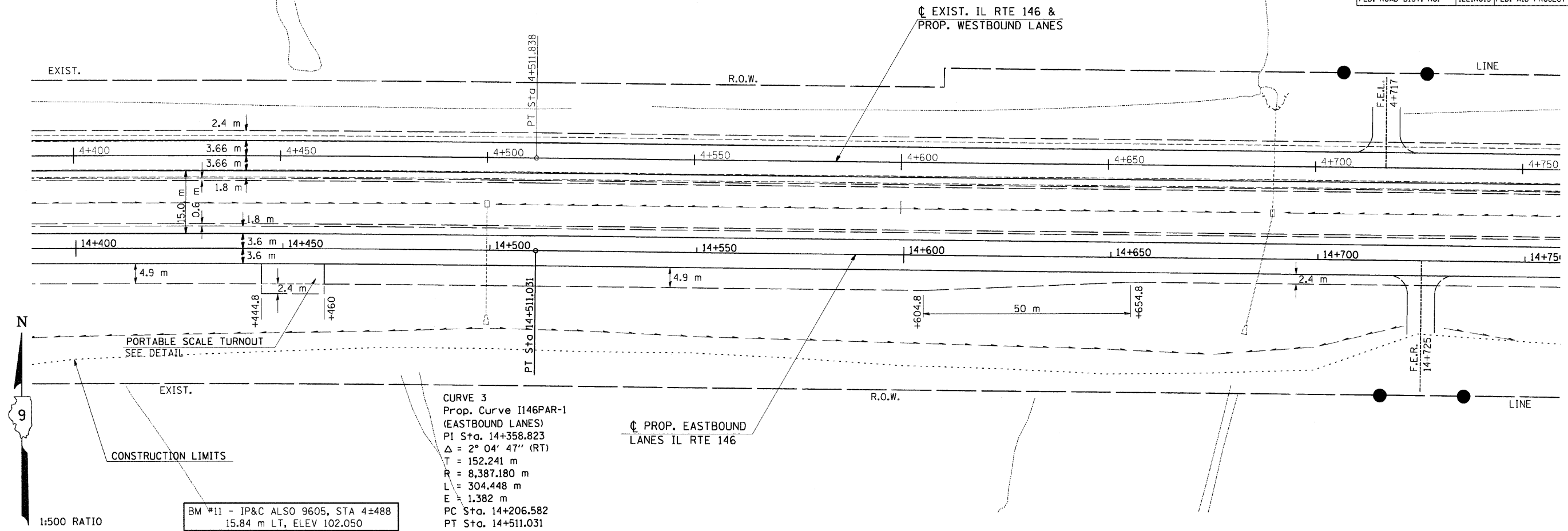
CONTRACT NO. 78060				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	46
STA. TO STA.			ILLINOIS FED. AID PROJECT	

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

BY	DATE

FINAL SURVEY	SURVEYED	DATE

NO.	AREAS CHECKED



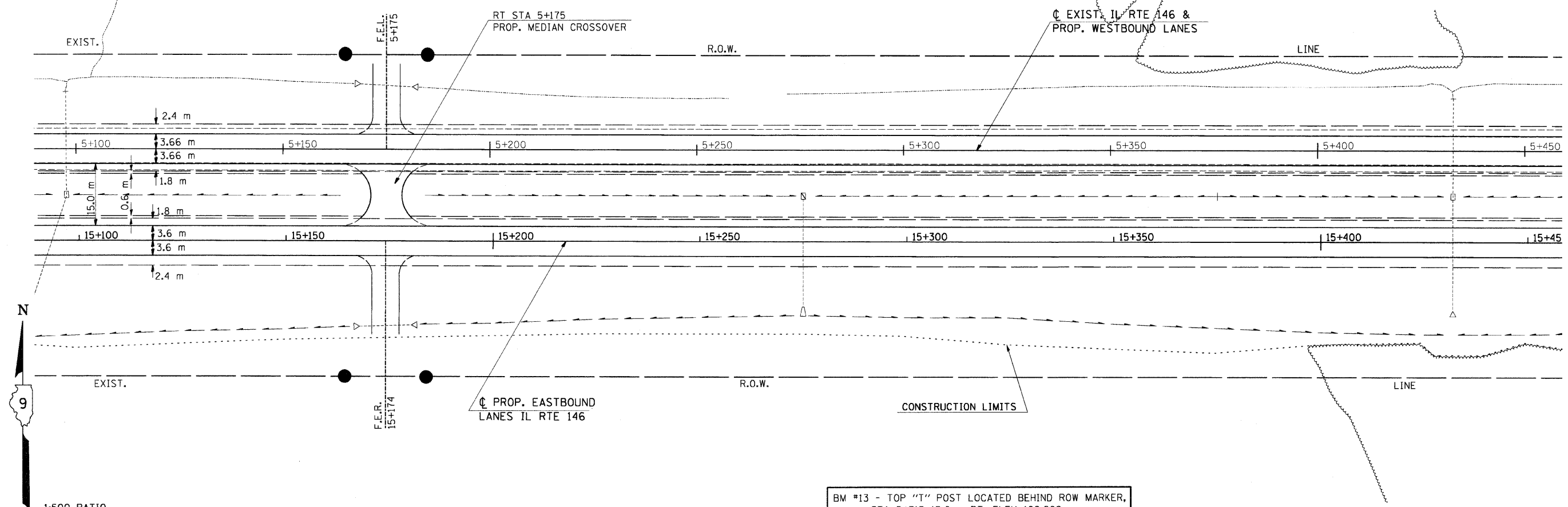
Tuesday, September 15, 2009 @ 11:38:47 AM
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 c:\pwworkspace\alexander\proj\78060\10259991.dgn LV=1-5-7-15-17-19-21-23-62
 c:\pwworkspace\alexander\proj\78060\10259991.dgn LV=2-9-11-13-17-19-23-26-33-35-48-50-62

PLAN-PROFILE - STA 4+400 TO STA 4+750

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	48
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

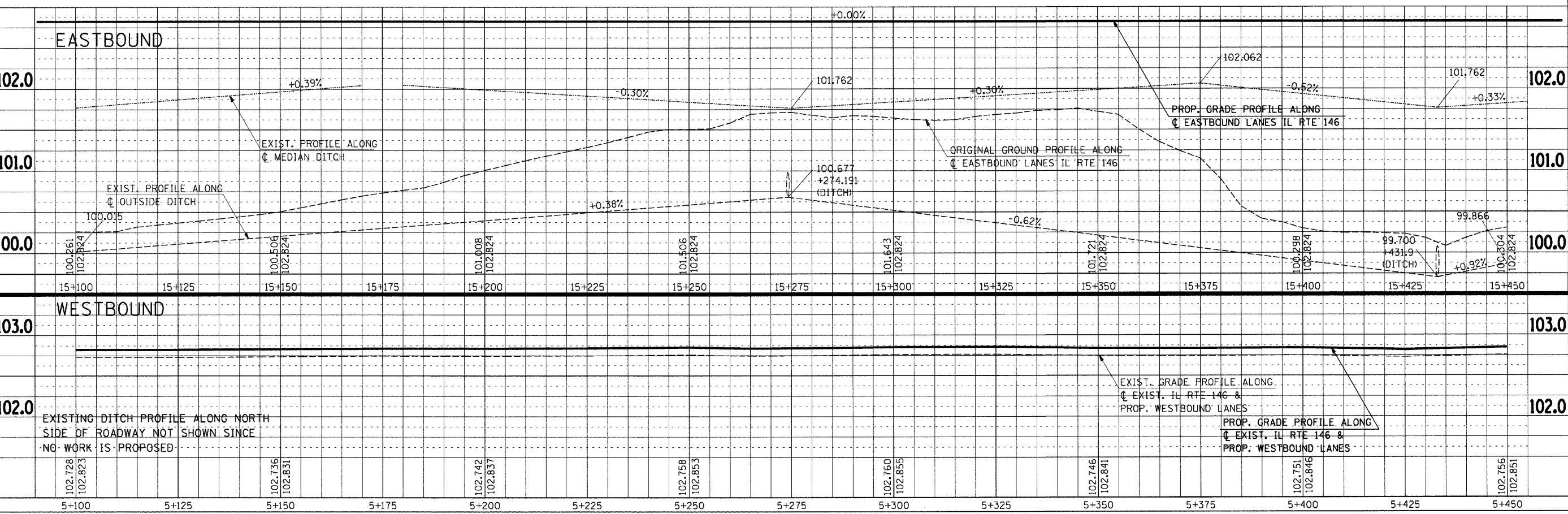
NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

FINAL SURVEY PLOTTED	BY	DATE
NO.		



BM #13 - TOP "T" POST LOCATED BEHIND ROW MARKER, STA 5+313 13.6 m RT, ELEV 102.208

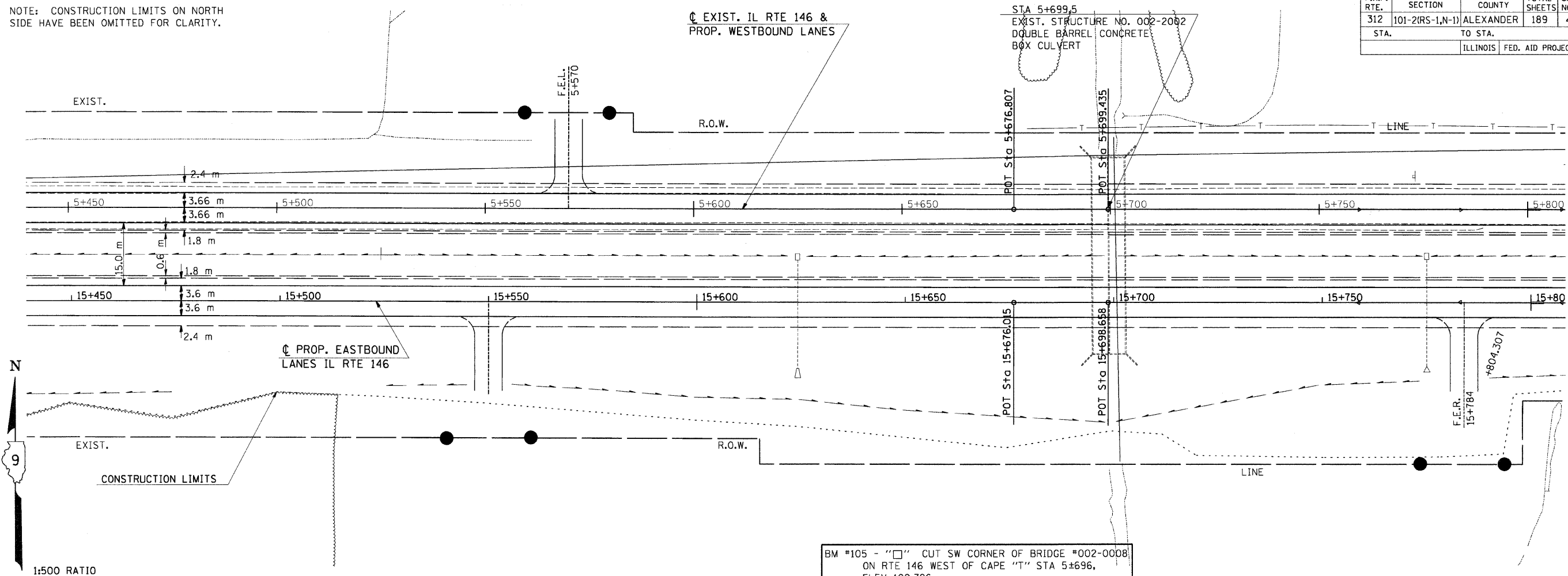
Tuesday September 15, 2009 @ 10:51:41 AM
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 c:\pw\work\p1\dot\kranz\j\kranz\3640\m02999p1.dgn LV-1-5-7-15-17-21-23-41-43-62
 c:\pw\work\p1\dot\kranz\j\kranz\3640\m02999p1.dgn LV-2-9-11-13-15-17-19-21-23-25-27-29-31-33-35-37-39-41-43-45-47-49-51-53-55-57-59-61-63



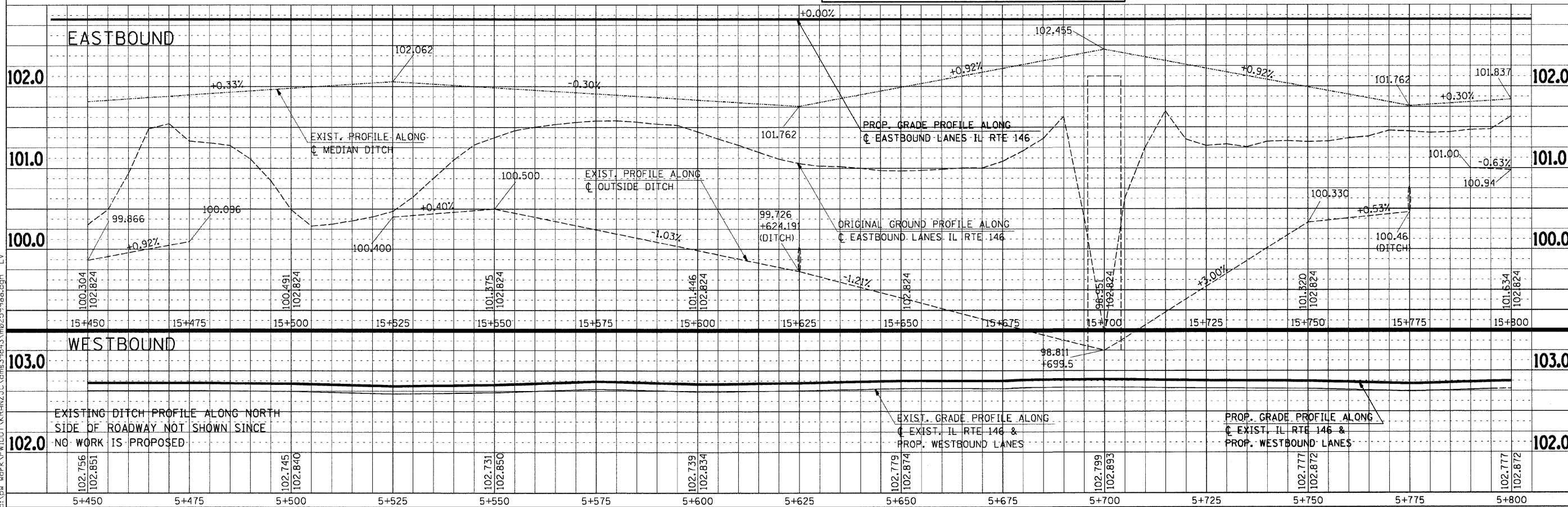
PLAN-PROFILE - STA 5+100 TO STA 5+450

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	49
STA.		TO STA.	ILLINOIS FED. AID PROJECT	

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.



BM #105 - "□" CUT SW CORNER OF BRIDGE #002-0008 ON RTE 146 WEST OF CAPE "T" STA 5+696, ELEV 102.726

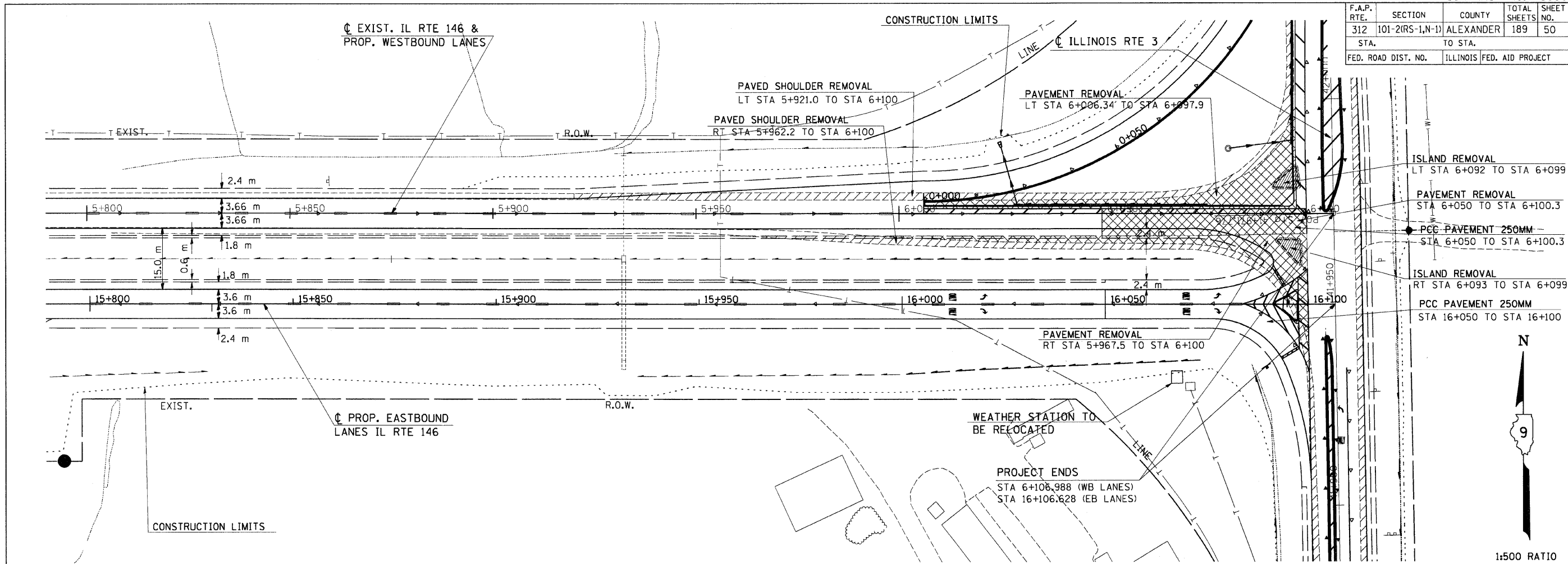


PLAN-PROFILE - STA 5+450 TO STA 5+800

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

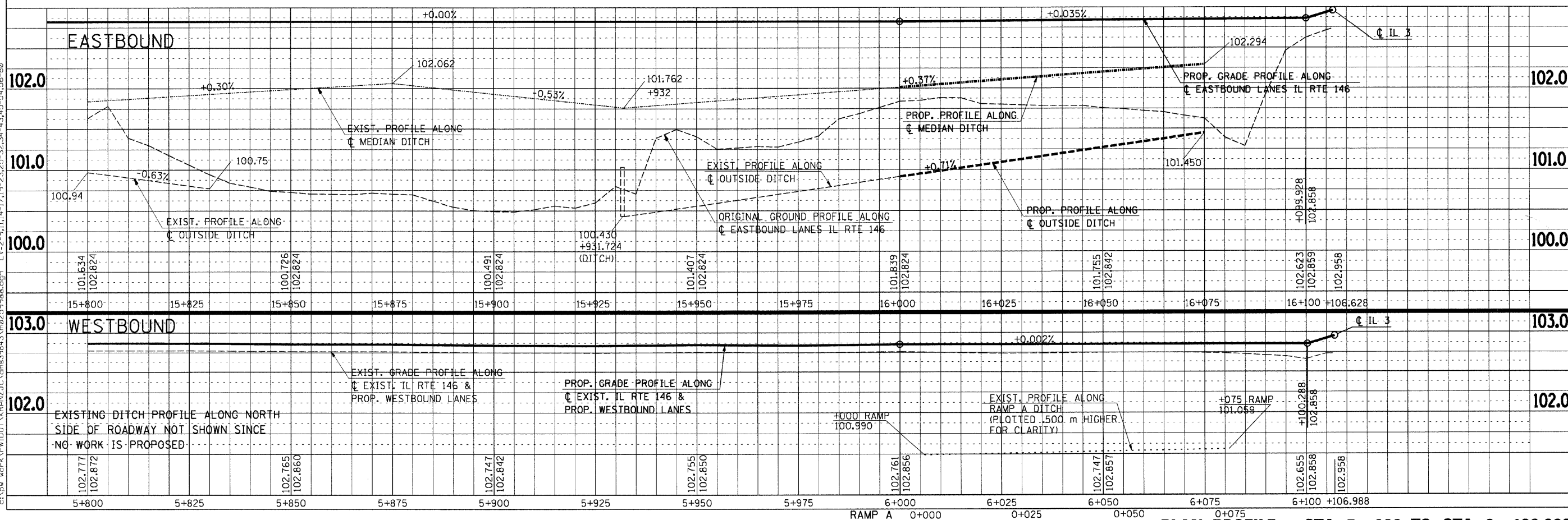
Tuesday September 15, 2009 @ 10:50:24 AM
 c:\pwworkspace\pwworkspace\projects\101-2(RS-1,N-1)\101-2(RS-1,N-1)_23-62.dwg
 User: alexander.l...
 Plot Date: 9/15/2009 10:50:24 AM
 Plot Scale: 1:500
 Plot Size: 11.0000 x 17.0000
 Plot Orientation: Landscape
 Plot Range: All in View
 Plot Style: acad.ctb
 Plot Device: HPGL2
 Plot Driver: HPGL2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
312	101-2(RS-1,N-1)	ALEXANDER	189 50
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



1:500 RATIO

DATE	BY



Tuesday September 15, 2009 @ 10:49:39 AM
 c:\pwworkspace\alexander\projects\78060\plan-profile.dgn LV2-20-24-63
 c:\pwworkspace\alexander\projects\78060\plan-profile.dgn LV1-5-7-11-13-15-17-19-21-23-62
 c:\pwworkspace\alexander\projects\78060\plan-profile.dgn LV2-5-11-13-15-17-19-21-23-25-27-29-31-33-35-37-39-41-43-45-47-49-51-53-55-57-59

PLAN-PROFILE - STA 5+800 TO STA 6+106.989

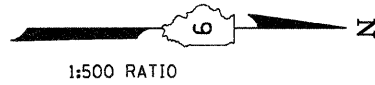
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	51

STA.	TO STA.

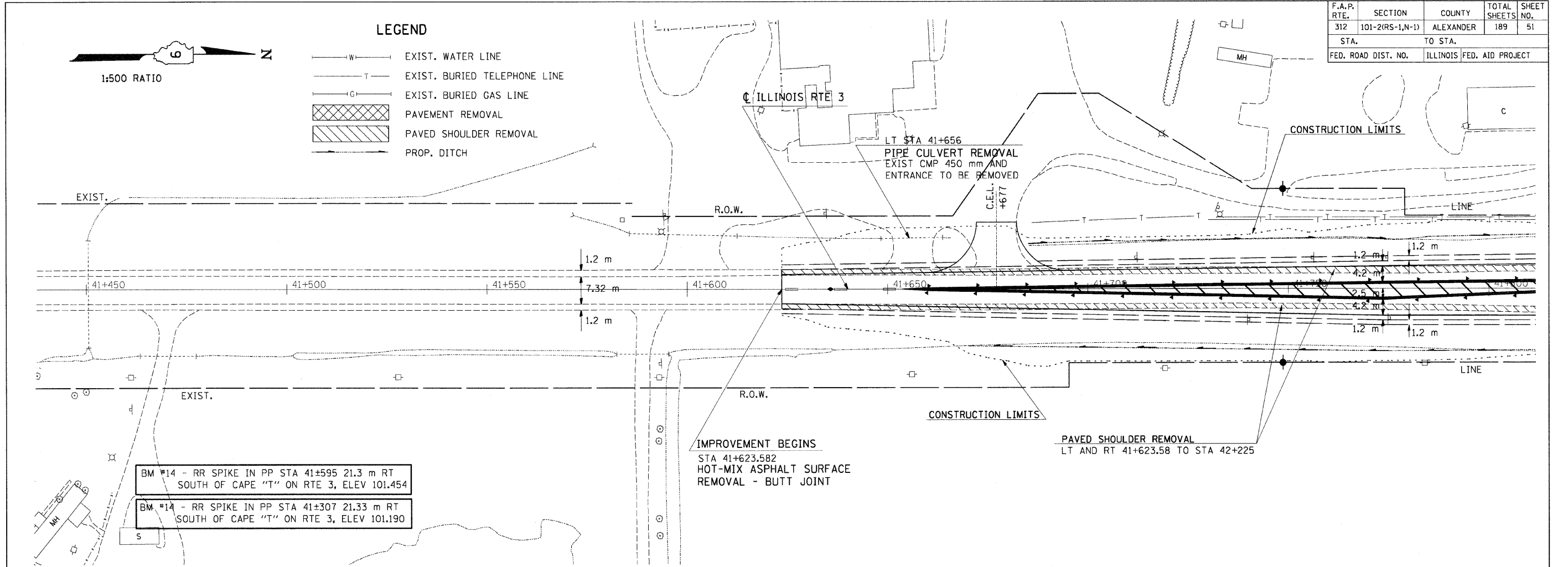
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

LEGEND

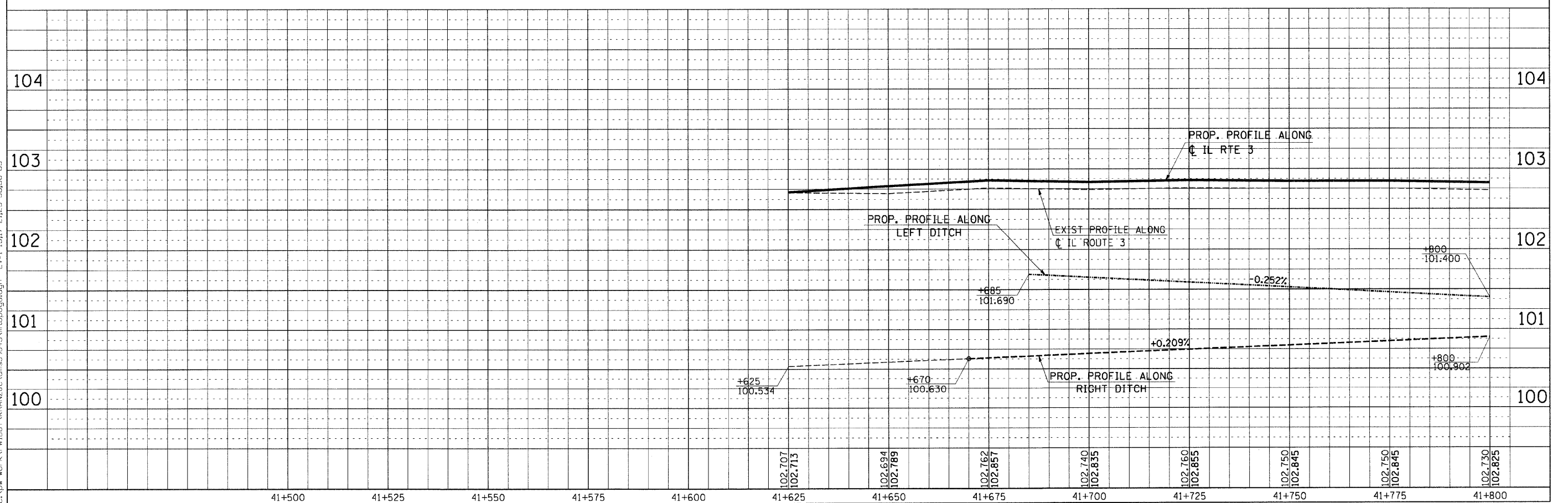
- EXIST. WATER LINE
- EXIST. BURIED TELEPHONE LINE
- EXIST. BURIED GAS LINE
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- PROP. DITCH



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



BM #14 - RR SPIKE IN PP STA 41+595 21.3 m RT SOUTH OF CAPE "T" ON RTE 3, ELEV 101.454
 BM #14 - RR SPIKE IN PP STA 41+307 21.33 m RT SOUTH OF CAPE "T" ON RTE 3, ELEV 101.190



ROUTE 3 PLAN-PROFILE - STA 41+450 TO STA 41+800

Tuesday September 15, 2009 @ 7:56:45 AM
 c:\pw_wor-k\SWIDOT\KIRANZ\JC\dms43640\m02599p2.dgn LV2-20,24-57,59-63
 c:\pw_wor-k\SWIDOT\KIRANZ\JC\dms39843\m02599p2.dgn LV2-9,11,14-17,19-4,3,45-60
 c:\pw_wor-k\SWIDOT\KIRANZ\JC\dms39843\m02599p2.dgn LV1-15,17-21,23-56,58-63

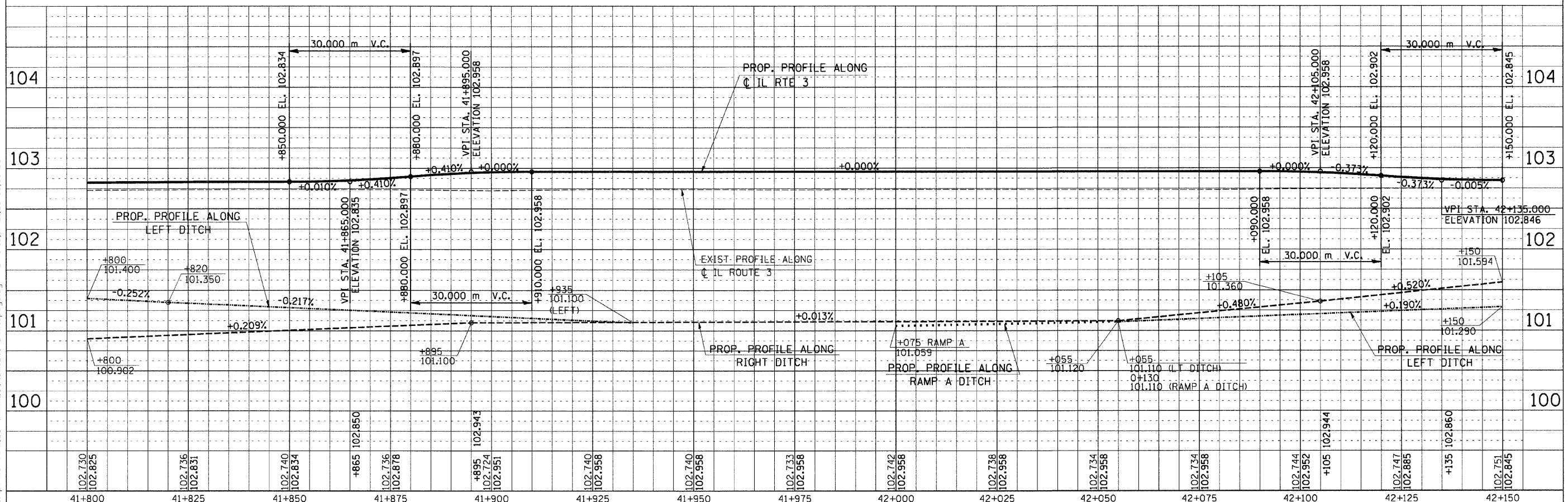
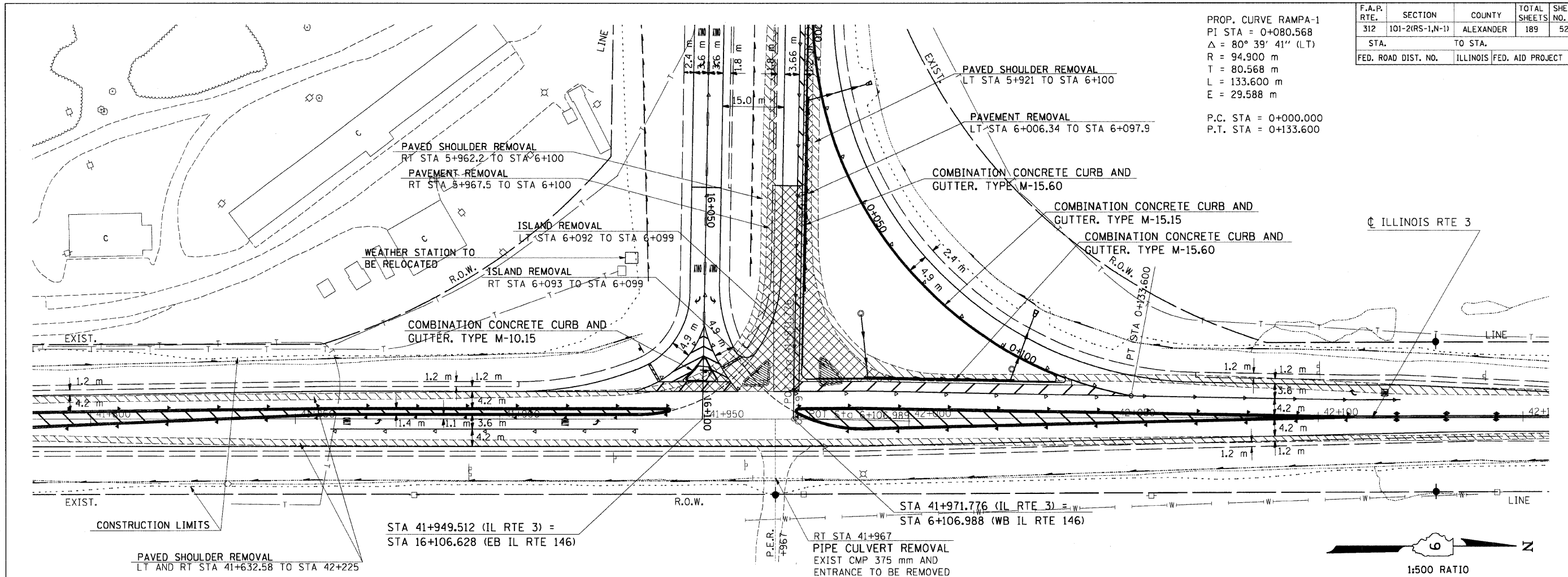
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROP. CURVE RAMP A-1
 PI STA = 0+080.568
 $\Delta = 80^\circ 39' 41''$ (LT)
 R = 94.900 m
 T = 80.568 m
 L = 133.600 m
 E = 29.588 m

P.C. STA = 0+000.000
 P.T. STA = 0+133.600

BY	DATE

FINAL SURVEY PLOTTED
 NOTE BOOK TEMPLATE AREAS CHECKED



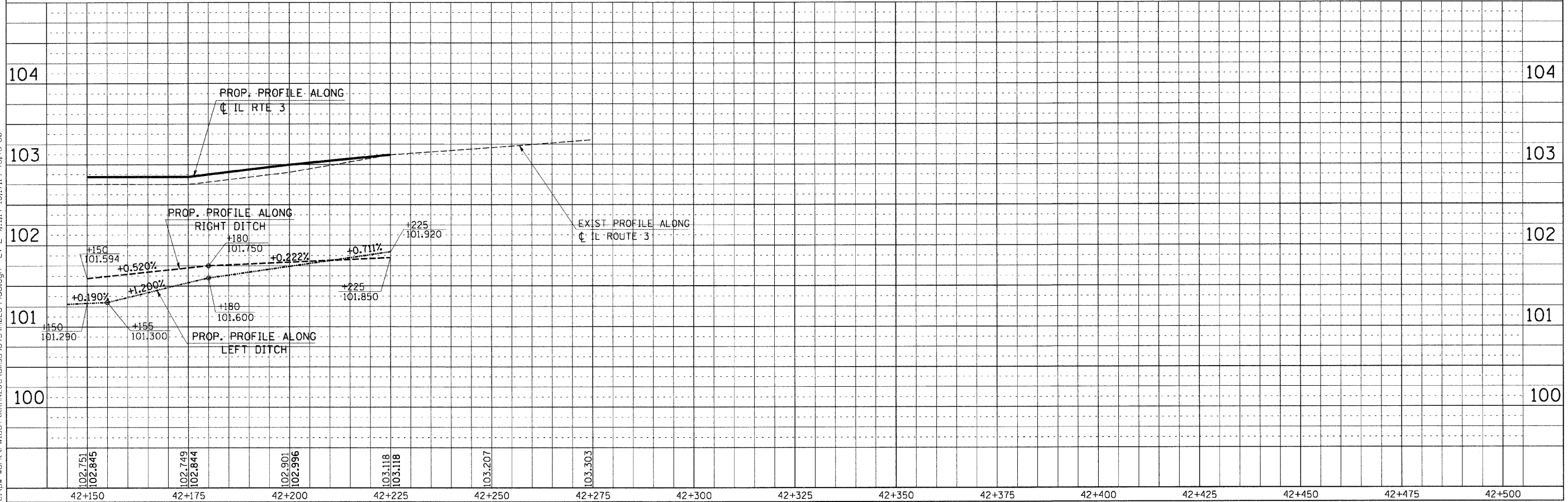
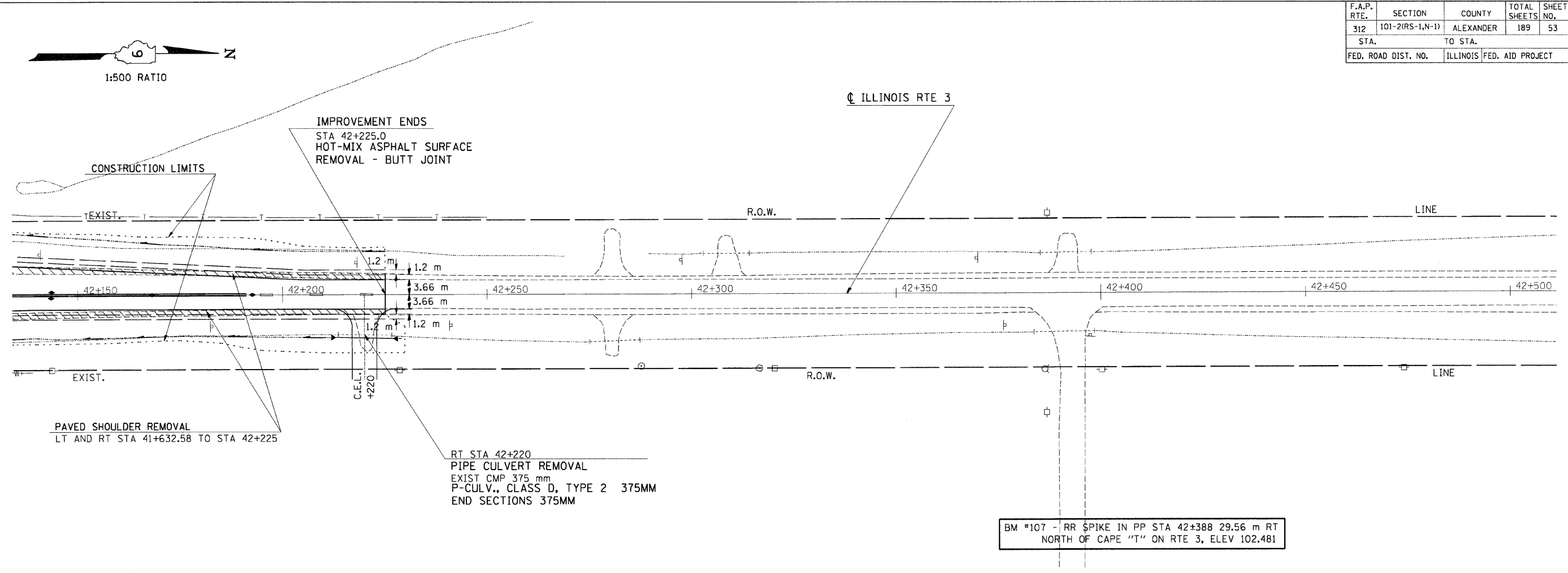
ROUTE 3 PLAN-PROFILE - STA 41+800 TO STA 42+150

Tuesday September 15, 2009 @ 7:54:54 AM
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 c:\pwworkspace\1001\KRRN\JJC.dwg+5943.mxd2599p2.dgn LV=2-2024-57.59-63
 c:\pwworkspace\1001\KRRN\JJC.dwg+5943.mxd2599p2.dgn LV=1-1517-21.23-56.58-63

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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



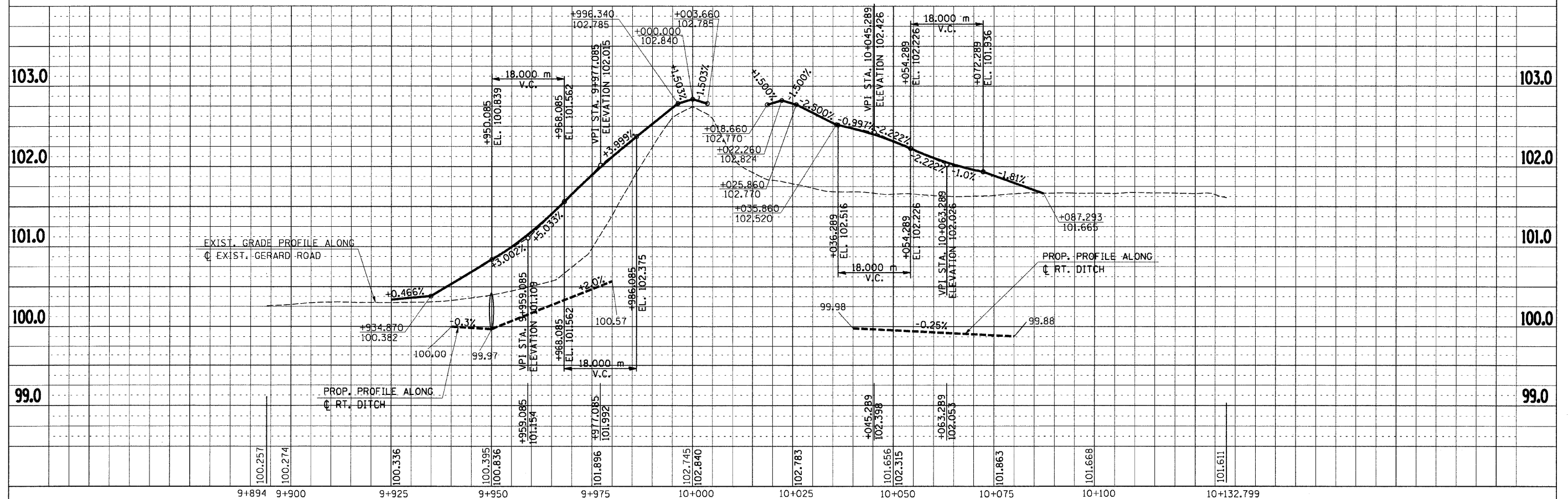
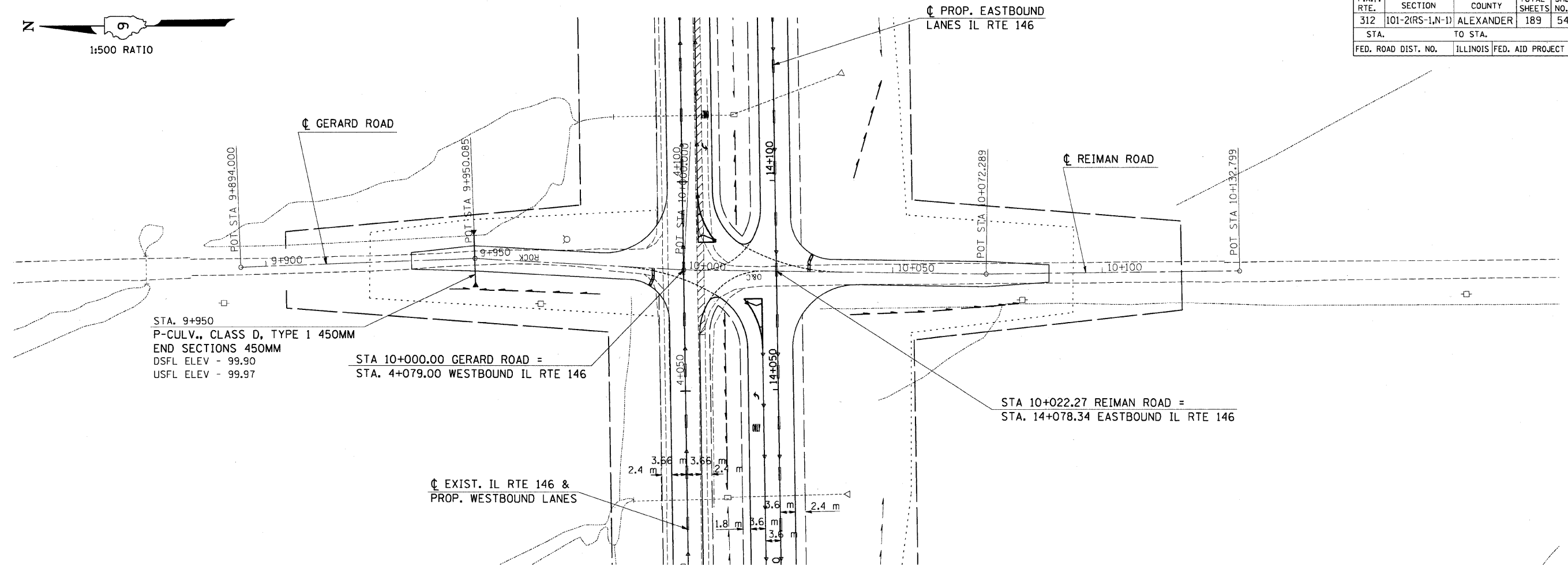
ROUTE 3 PLAN-PROFILE - STA 42+150 TO STA 42+500

Tuesday September 15, 2009 @ 7:53:00 AM
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 LV=1-15-17-21-23-63
 c:\pwworkspace\pwworkspace\projects\2009\0915\101-2(RS-1,N-1)\101-2(RS-1,N-1).dgn
 LV=2-9-11-14-15-17-19-43-45-60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



PLAN-PROFILE GERARD ROAD - STA 9+894 TO STA 10+132.799

CONTRACT NO. 78060				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

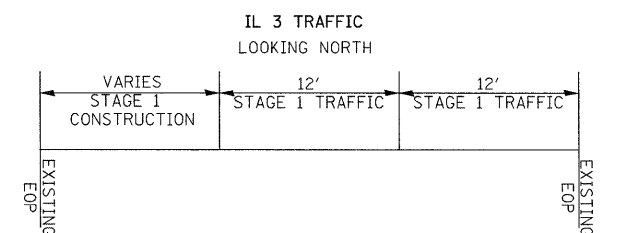
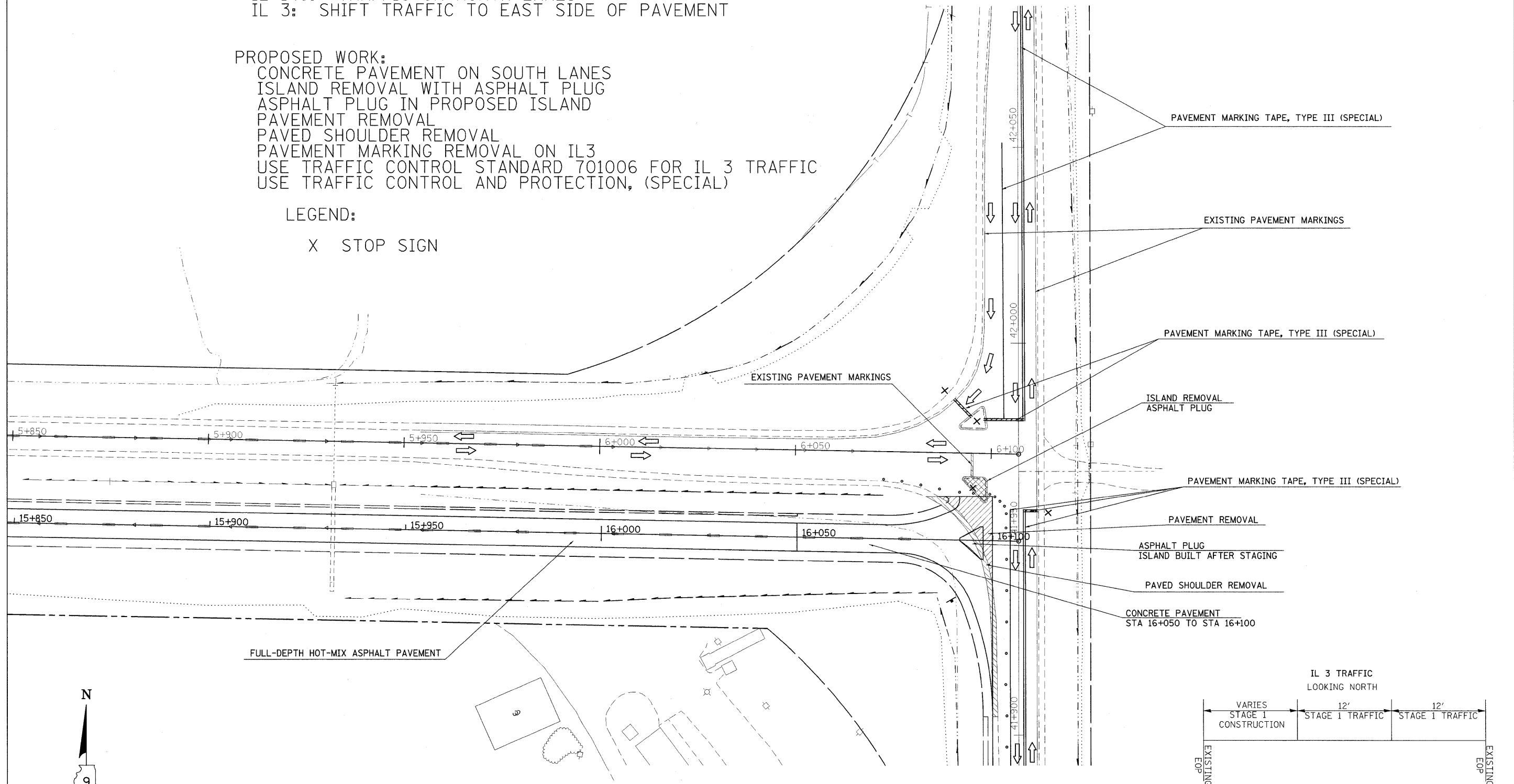
STAGE 1 NOTES:

TRAFFIC:
 IL 146: TRAFFIC ON NORTH LANES
 IL 3: SHIFT TRAFFIC TO EAST SIDE OF PAVEMENT

PROPOSED WORK:
 CONCRETE PAVEMENT ON SOUTH LANES
 ISLAND REMOVAL WITH ASPHALT PLUG
 ASPHALT PLUG IN PROPOSED ISLAND
 PAVEMENT REMOVAL
 PAVED SHOULDER REMOVAL
 PAVEMENT MARKING REMOVAL ON IL3
 USE TRAFFIC CONTROL STANDARD 701006 FOR IL 3 TRAFFIC
 USE TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

LEGEND:

X STOP SIGN



NOTE: ANY EXTRA BARRICADES, SIGNS, OR TRAFFIC CONTROL REQUIRED BY THE ENGINEER OR PLANS WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO EXTRA COMPENSATION WILL BE GIVEN.

PLOT DATE = 3/4/2010
 FILE NAME = c:\pvt\work\pvt\p1001\KRANZ\IC\ima43640\nd02599c2-sched.dgn
 PLOT SCALE = 12.7000' / IN.
 USER NAME = kranzjc

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		STAGE 1 IL146/IL3 INTERSECTION DRAWN BY JCK CHECKED BY DATE

CONTRACT NO. 78060				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STAGE 2 NOTES:

TRAFFIC:

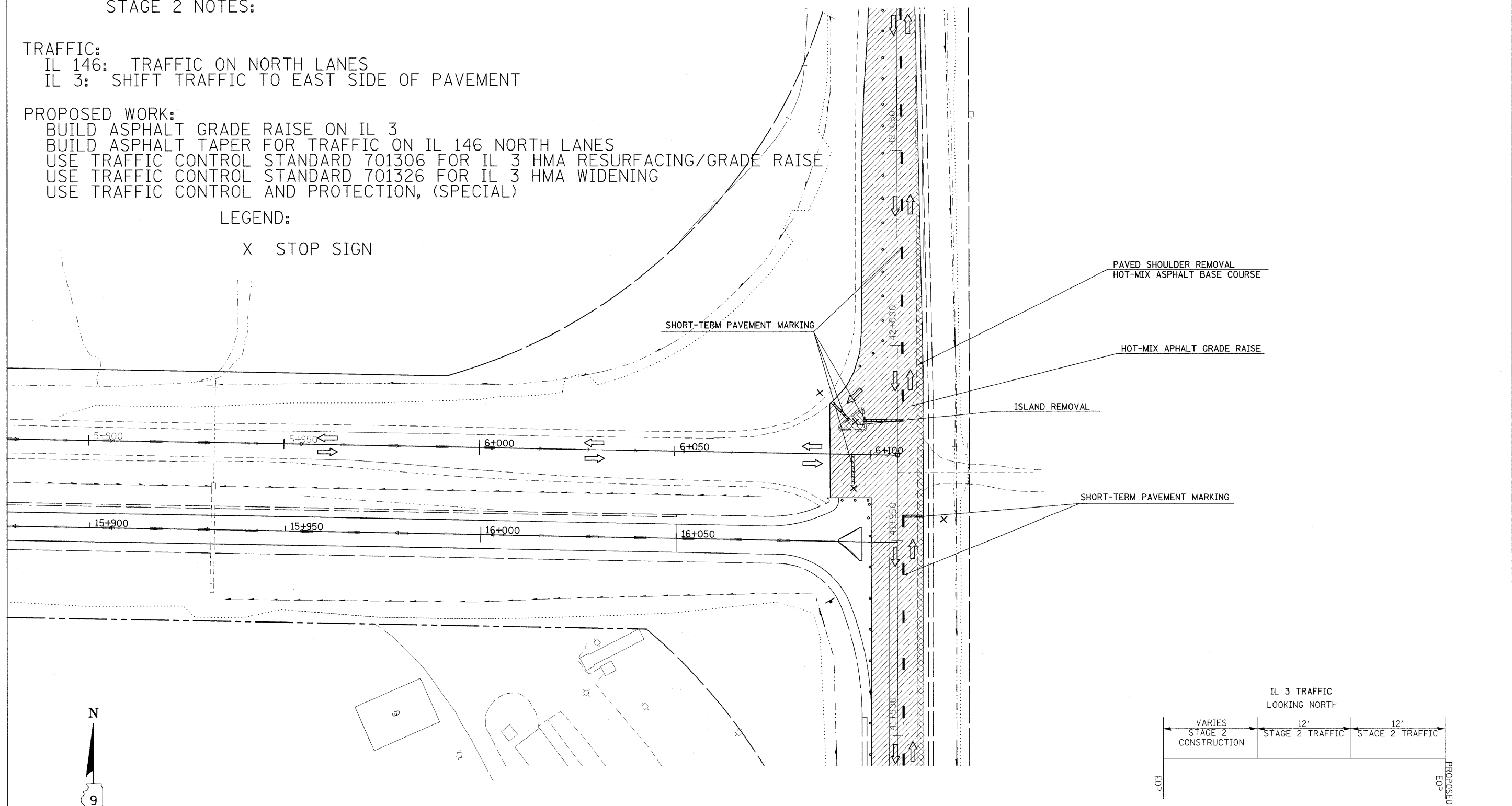
IL 146: TRAFFIC ON NORTH LANES
 IL 3: SHIFT TRAFFIC TO EAST SIDE OF PAVEMENT

PROPOSED WORK:

BUILD ASPHALT GRADE RAISE ON IL 3
 BUILD ASPHALT TAPER FOR TRAFFIC ON IL 146 NORTH LANES
 USE TRAFFIC CONTROL STANDARD 701306 FOR IL 3 HMA RESURFACING/GRADE RAISE
 USE TRAFFIC CONTROL STANDARD 701326 FOR IL 3 HMA WIDENING
 USE TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

LEGEND:

X STOP SIGN



NOTE: ANY EXTRA BARRICADES, SIGNS, OR TRAFFIC CONTROL REQUIRED BY THE ENGINEER OR PLANS WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO EXTRA COMPENSATION WILL BE GIVEN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		STAGE 2 IL146/IL3 INTERSECTION DRAWN BY JCK CHECKED BY DATE

PLOT DATE = 9/4/2010
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 PLOT SCALE = 12.7000 / IN.
 USER NAME = hrenzjc

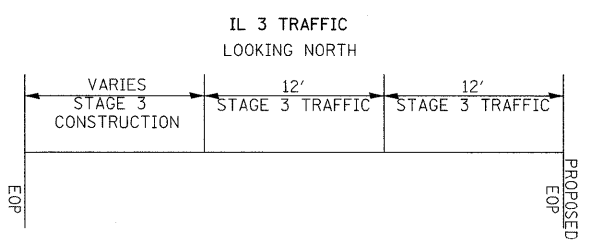
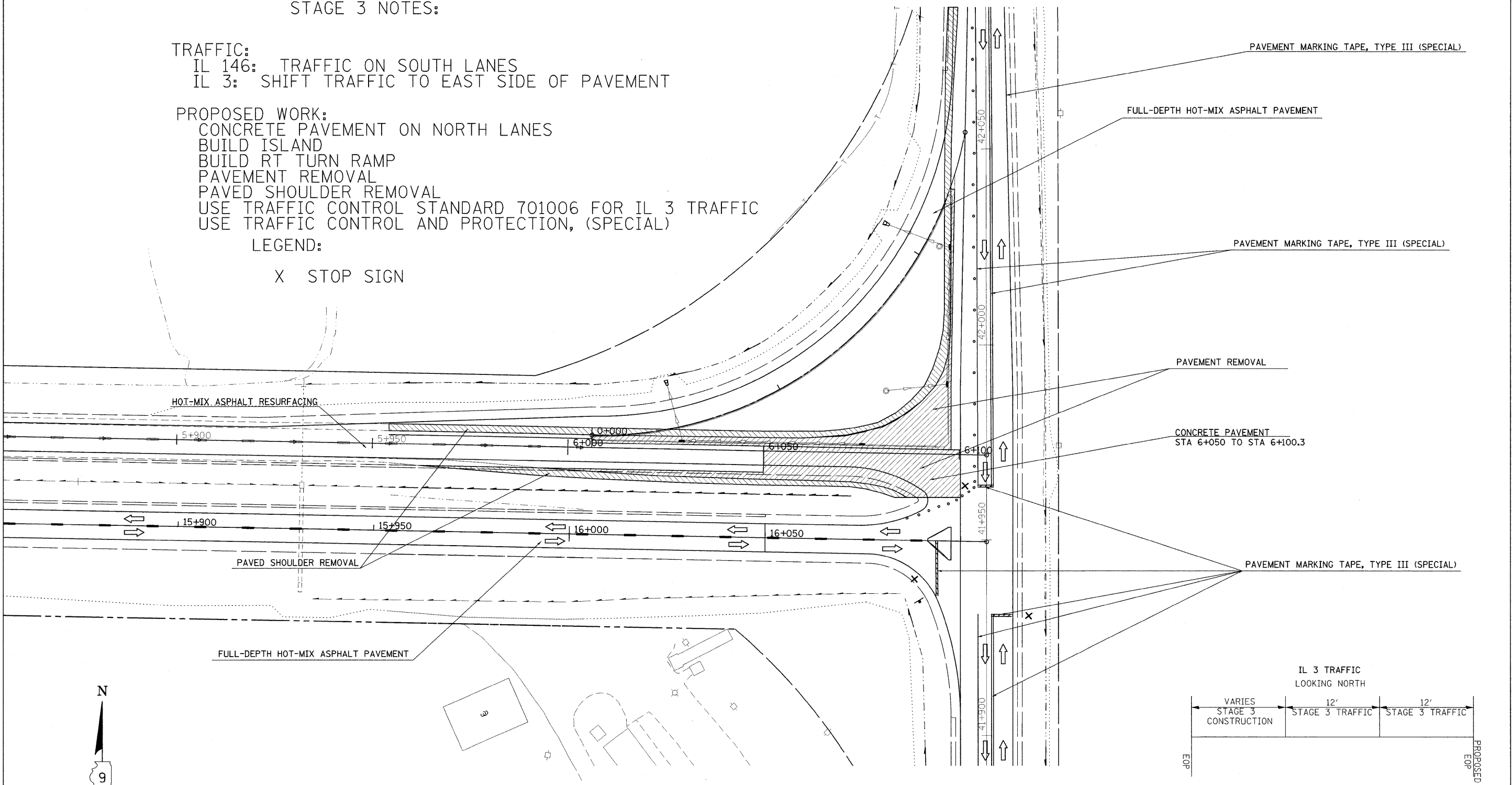
CONTRACT NO. 78060				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE 3 NOTES:

TRAFFIC:
 IL 146: TRAFFIC ON SOUTH LANES
 IL 3: SHIFT TRAFFIC TO EAST SIDE OF PAVEMENT

PROPOSED WORK:
 CONCRETE PAVEMENT ON NORTH LANES
 BUILD ISLAND
 BUILD RT TURN RAMP
 PAVEMENT REMOVAL
 PAVED SHOULDER REMOVAL
 USE TRAFFIC CONTROL STANDARD 701006 FOR IL 3 TRAFFIC
 USE TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

LEGEND:
 X STOP SIGN

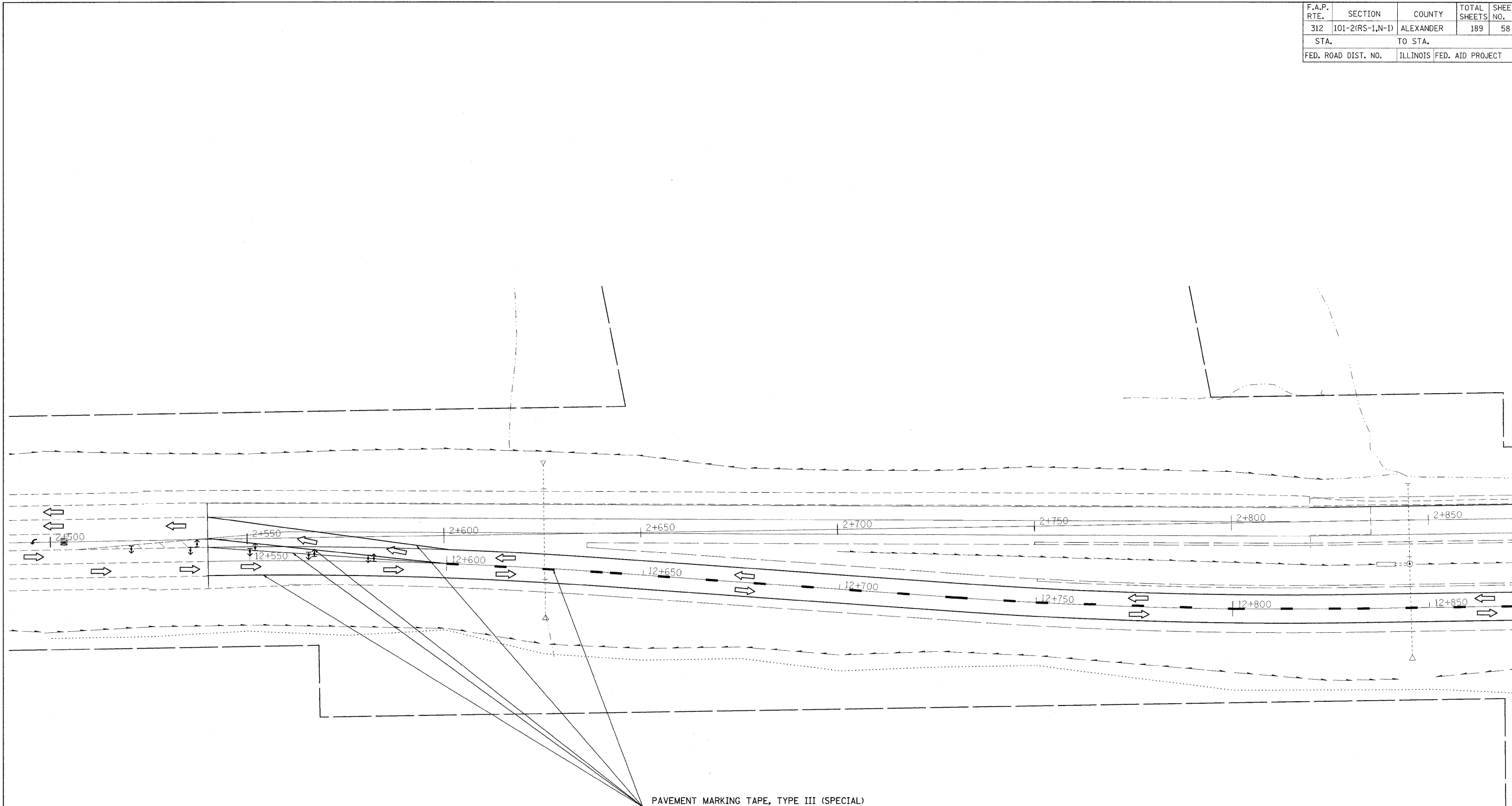


NOTE: ANY EXTRA BARRICADES, SIGNS, OR TRAFFIC CONTROL REQUIRED BY THE ENGINEER OR PLANS WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO EXTRA COMPENSATION WILL BE GIVEN.

PLOT DATE = 3/4/2010
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 PLOT SCALE = 12.7000 / / IN.
 USER NAME = kranzjc

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>STAGE 3 IL146/IL3 INTERSECTION</p> <p>DRAWN BY JCK CHECKED BY DATE</p>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PAVEMENT MARKING TAPE, TYPE III (SPECIAL)

↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

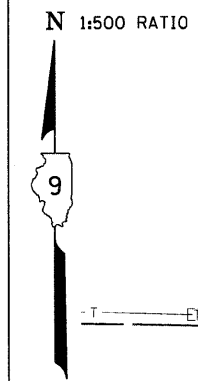
NOTE: ANY EXTRA BARRICADES, SIGNS, OR TRAFFIC CONTROL REQUIRED BY THE ENGINEER OR PLANS WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO EXTRA COMPENSATION WILL BE GIVEN.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STAGE 3 STA 2+500 TO STA 2+850 DRAWN BY JCK CHECKED BY DATE
NAME	DATE	

PLOT DATE = 3/4/2010
 FILE NAME = c:\pva\soh\p\1001\KRANZ\JC\dms43640\mdd8259e2-sched.dgn
 PLOT SCALE = 12.7000' / IN.
 USER NAME = Kranz,jc

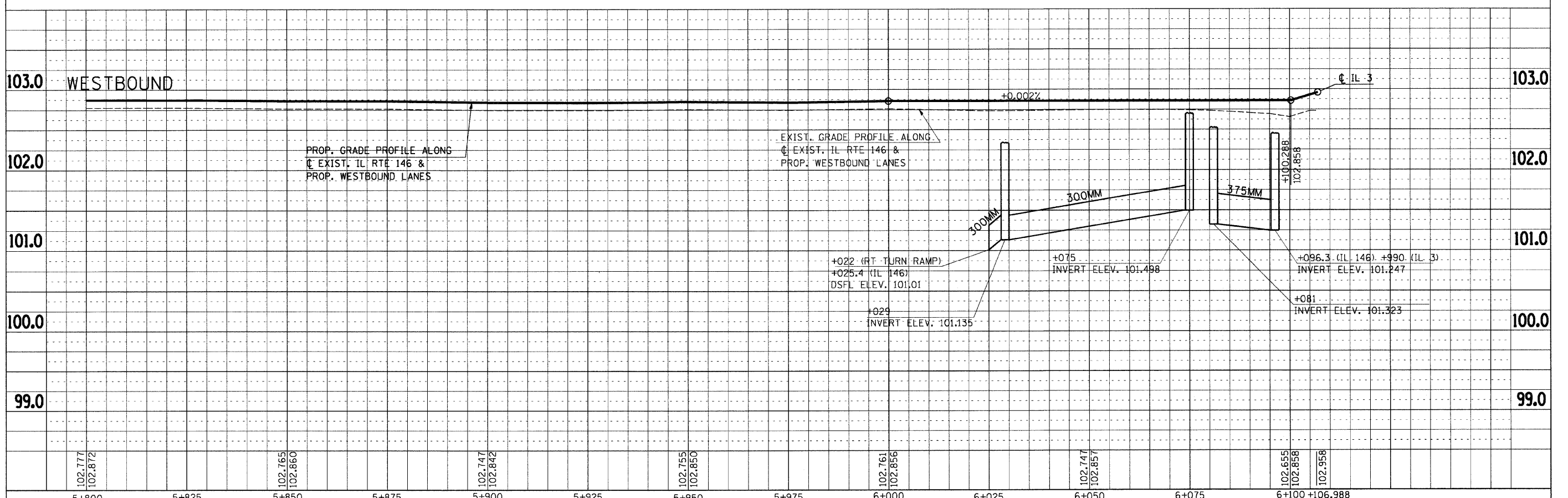
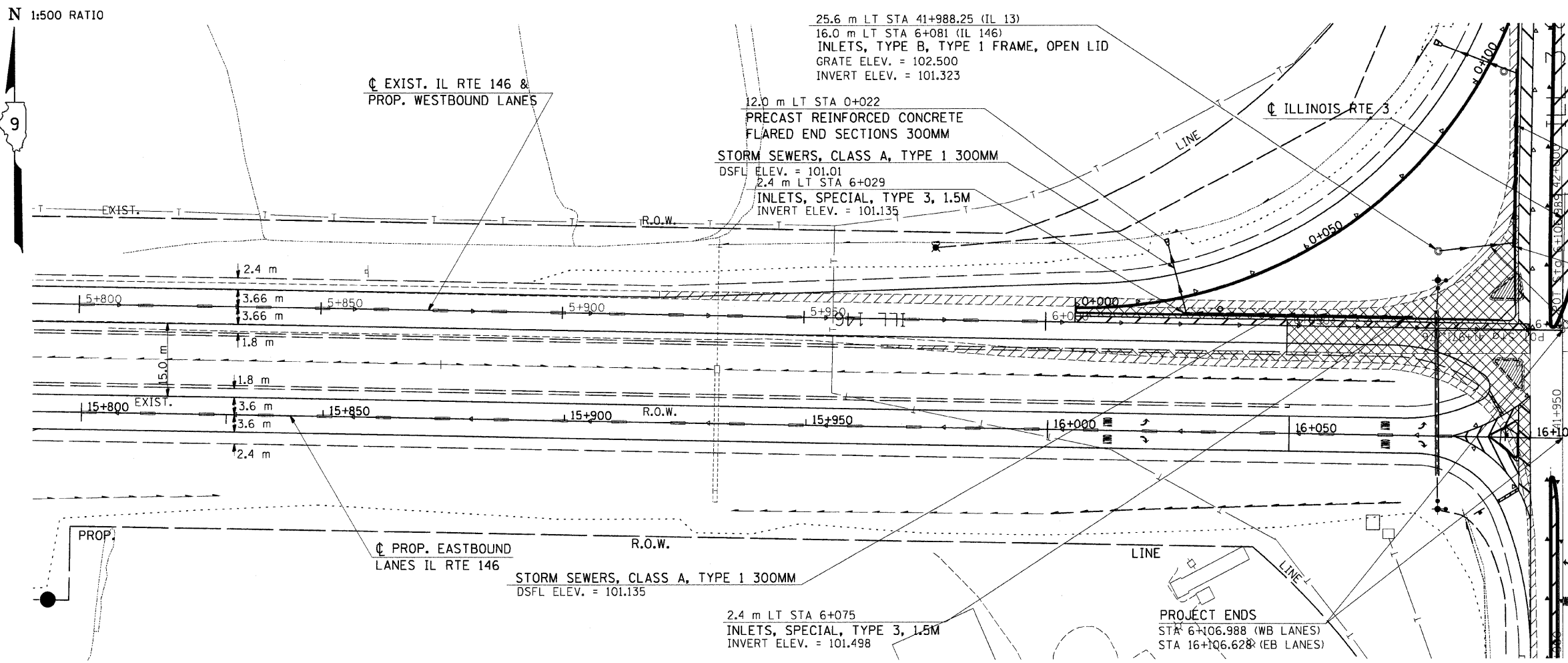
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	59
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



N 1:500 RATIO

BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE
AREAS CHECKED
NO.



STORM SEWER PLAN - STA 5+800 TO STA 6+106.988

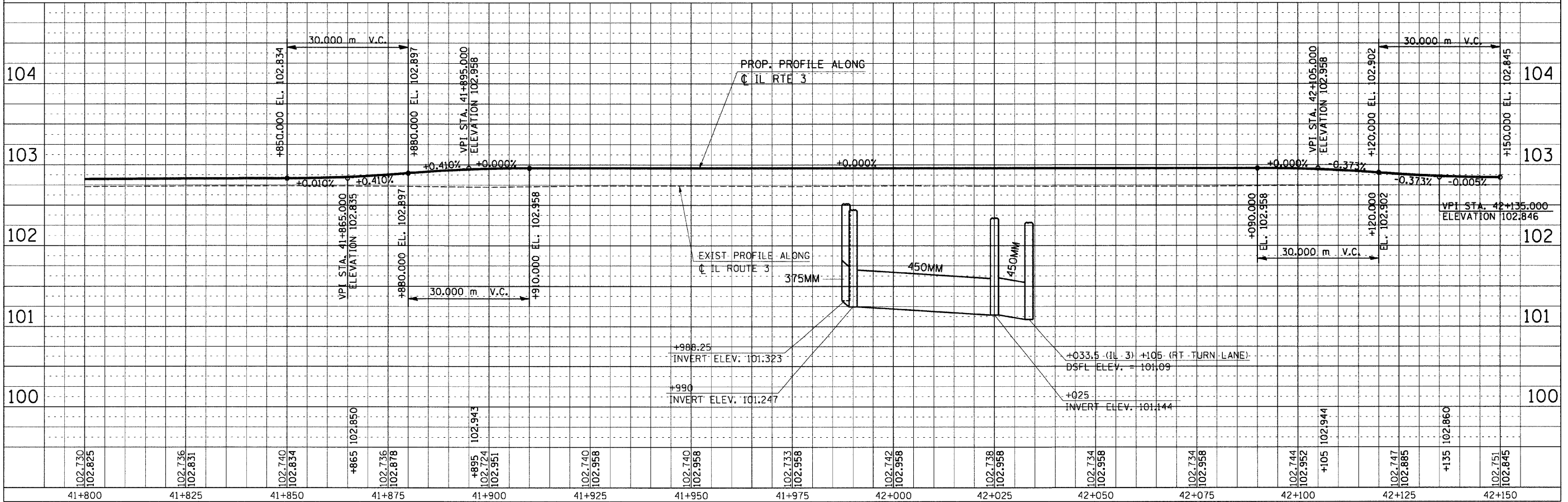
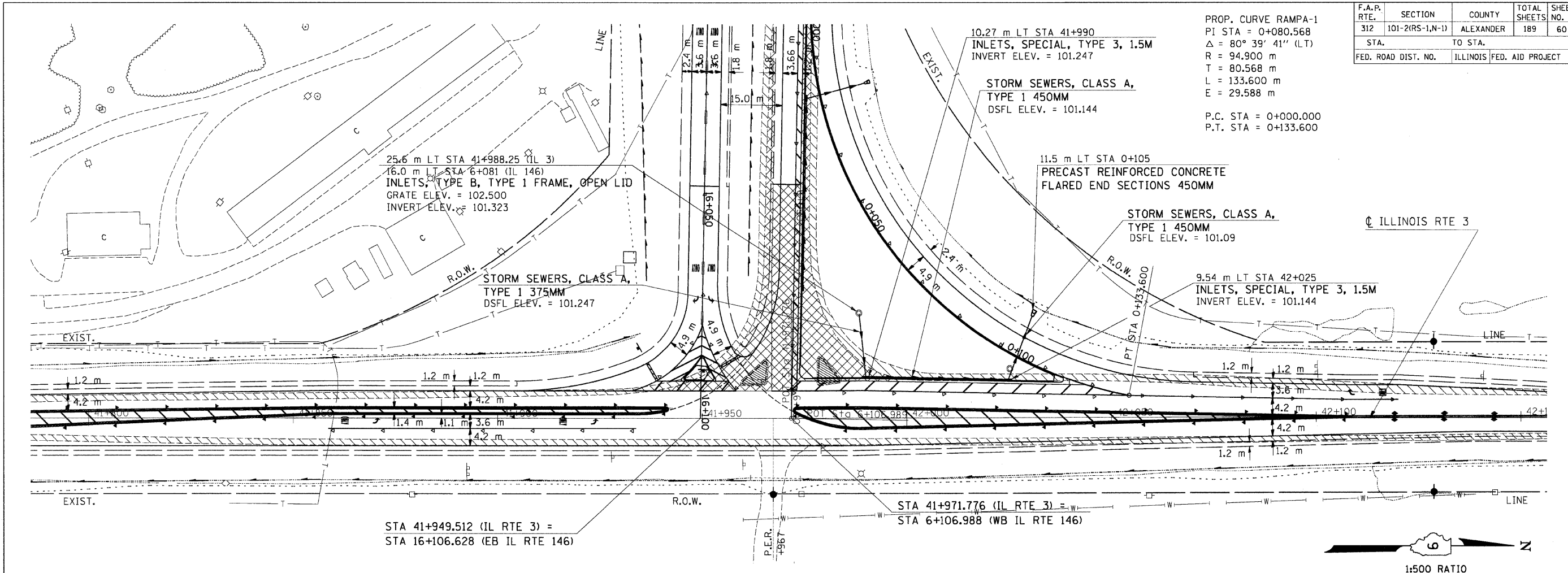
Tuesday September 15, 2009 @ 10:04:06 AM
c:\pwworking\KPMIDT\KPMIDT\KPMIDT\KPMIDT\dms43640\m2599p1.dgn LV-2-20,24-63

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PROP. CURVE RAMPA-1
 PI STA = 0+080.568
 $\Delta = 80^\circ 39' 41''$ (L T)
 R = 94.900 m
 T = 80.568 m
 L = 133.600 m
 E = 29.588 m

 P.C. STA = 0+000.000
 P.T. STA = 0+133.600

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



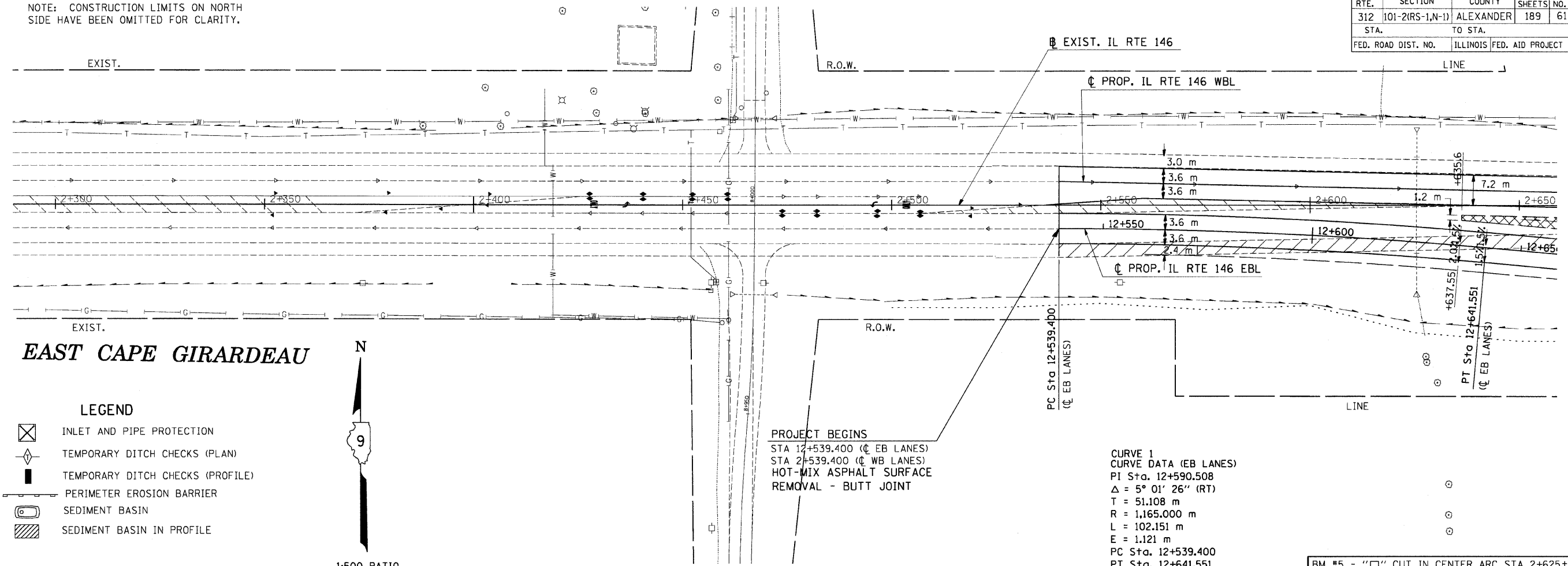
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STORM SEWER PLAN ROUTE 3 - STA 41+800 TO STA 42+150

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	61
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

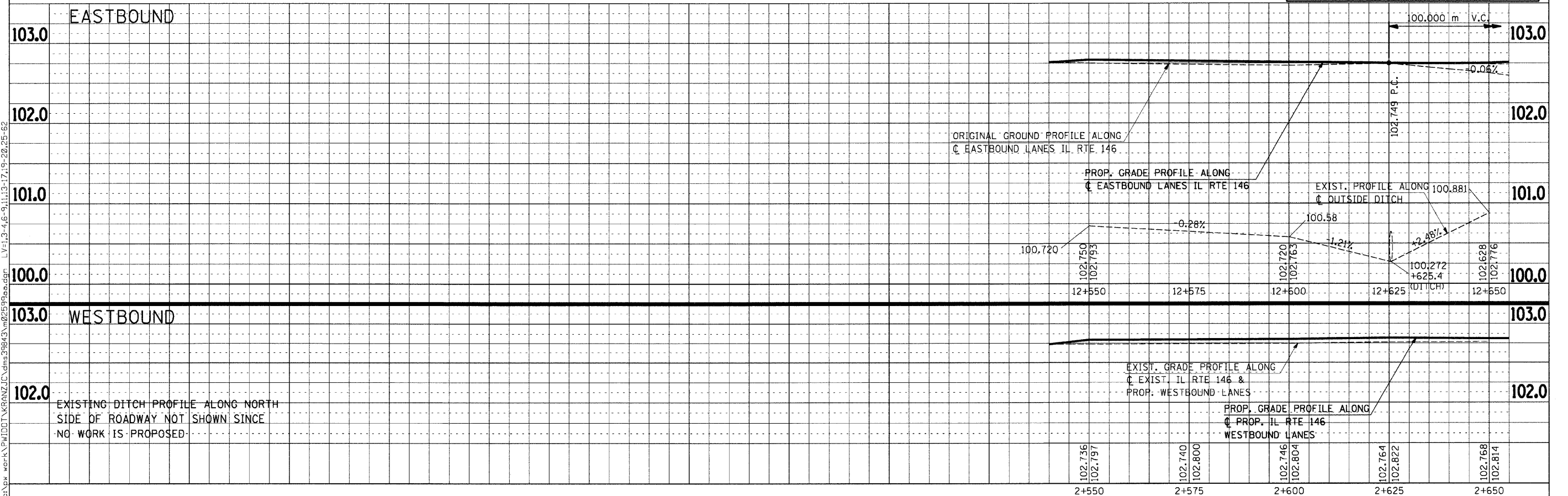
BY	DATE
FINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE AREAS CHECKED	
NO.	



PROJECT BEGINS
 STA 12+539.400 (center of EB LANES)
 STA 2+539.400 (center of WB LANES)
 HOT-MIX ASPHALT SURFACE
 REMOVAL - BUTT JOINT

CURVE 1
 CURVE DATA (EB LANES)
 PI Sta. 12+590.508
 $\Delta = 5^\circ 01' 26''$ (RT)
 T = 51.108 m
 R = 1,165.000 m
 L = 102.151 m
 E = 1.121 m
 PC Sta. 12+539.400
 PT Sta. 12+641.551

BM #5 - "□" CUT IN CENTER ARC STA 2+625±
 11.88 m RT, ELEV 101.230

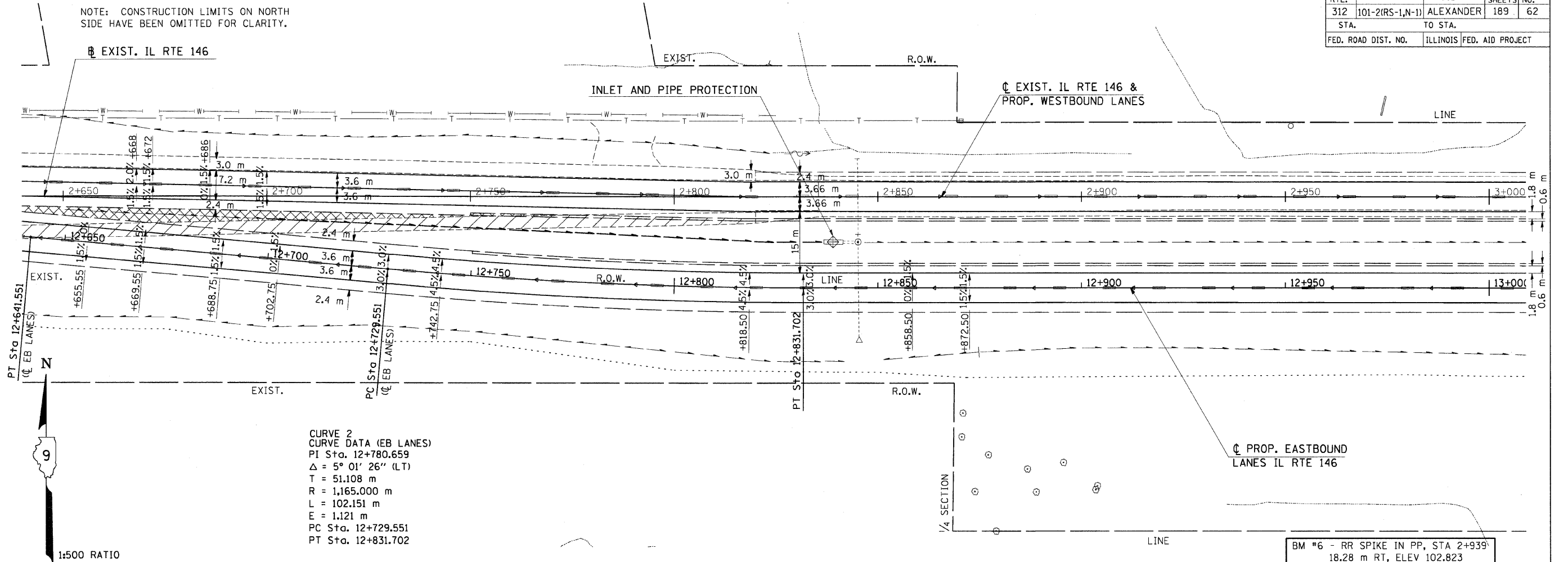


EXISTING DITCH PROFILE ALONG NORTH SIDE OF ROADWAY NOT SHOWN SINCE NO WORK IS PROPOSED

Tuesday September 15, 2009 @ 9:10:41 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	62
STA. TO STA.		ILLINOIS FED. AID PROJECT		

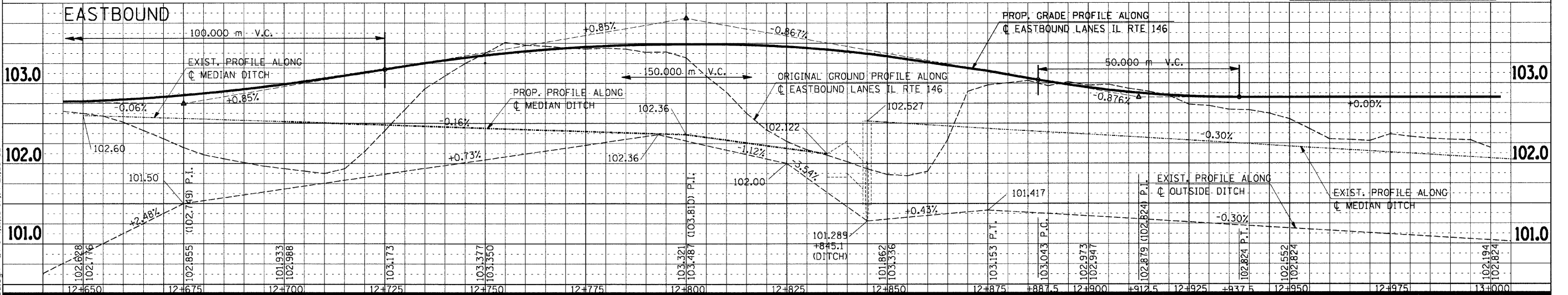
NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.



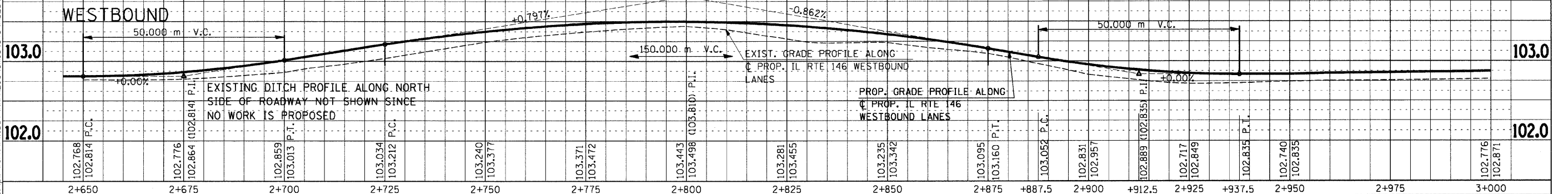
**CURVE 2
CURVE DATA (EB LANES)**
 PI Sta. 12+780.659
 $\Delta = 5^\circ 01' 26''$ (LT)
 T = 51.108 m
 R = 1,165.000 m
 L = 102.151 m
 E = 1.121 m
 PC Sta. 12+729.551
 PT Sta. 12+831.702

BM #6 - RR SPIKE IN PP, STA 2+939
 18.28 m RT, ELEV 102.823

EASTBOUND



WESTBOUND



TEMPORARY EROSION CONTROL PLAN - STA 2+650 TO STA 3+000

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

Tuesday, September 15, 2009 @ 9:08:14 AM
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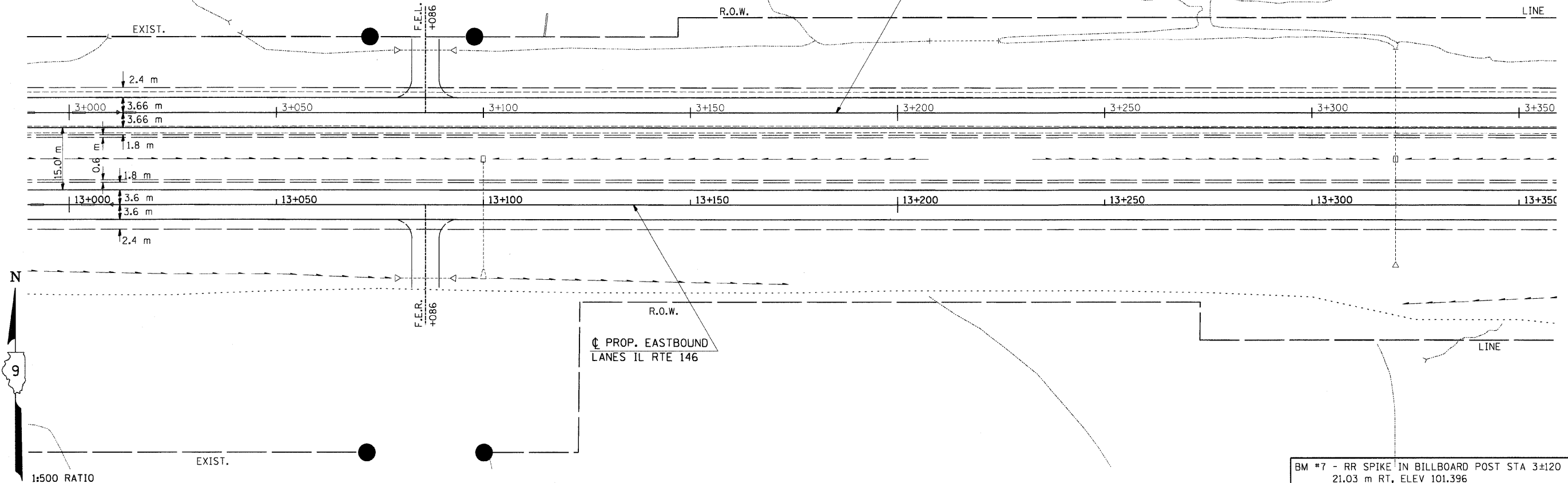
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	63
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

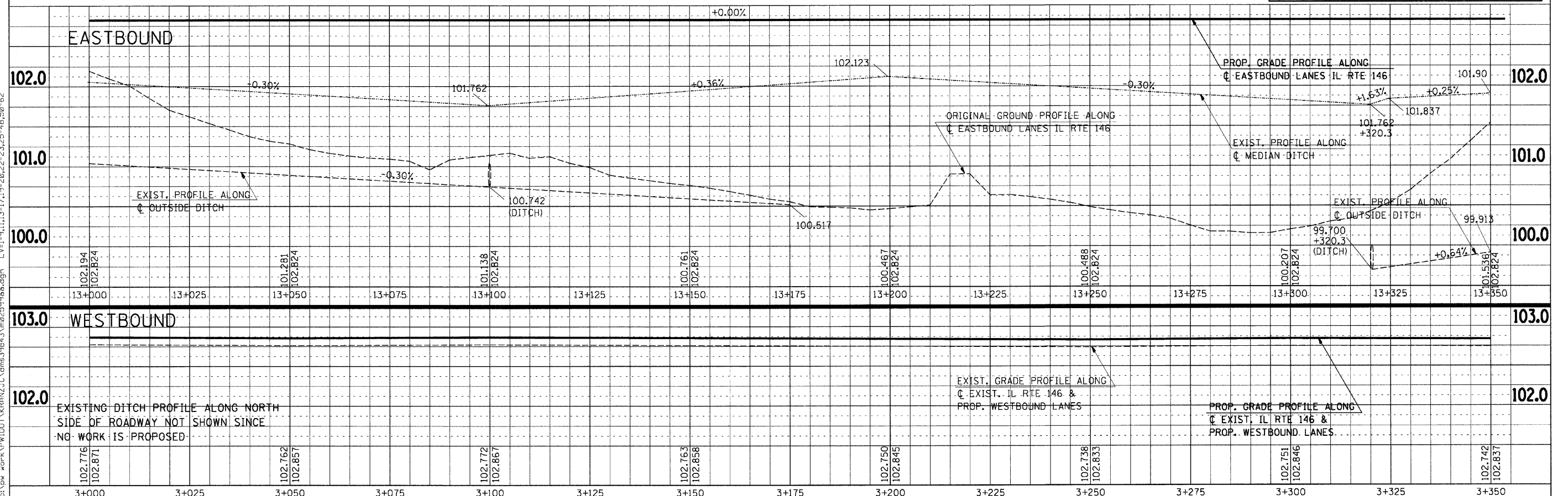
EXIST. IL RTE 146 & PROP. WESTBOUND LANES

PROP. EASTBOUND LANES IL RTE 146

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



BM #7 - RR SPIKE IN BILLBOARD POST STA 3+120
21.03 m RT, ELEV 101.396



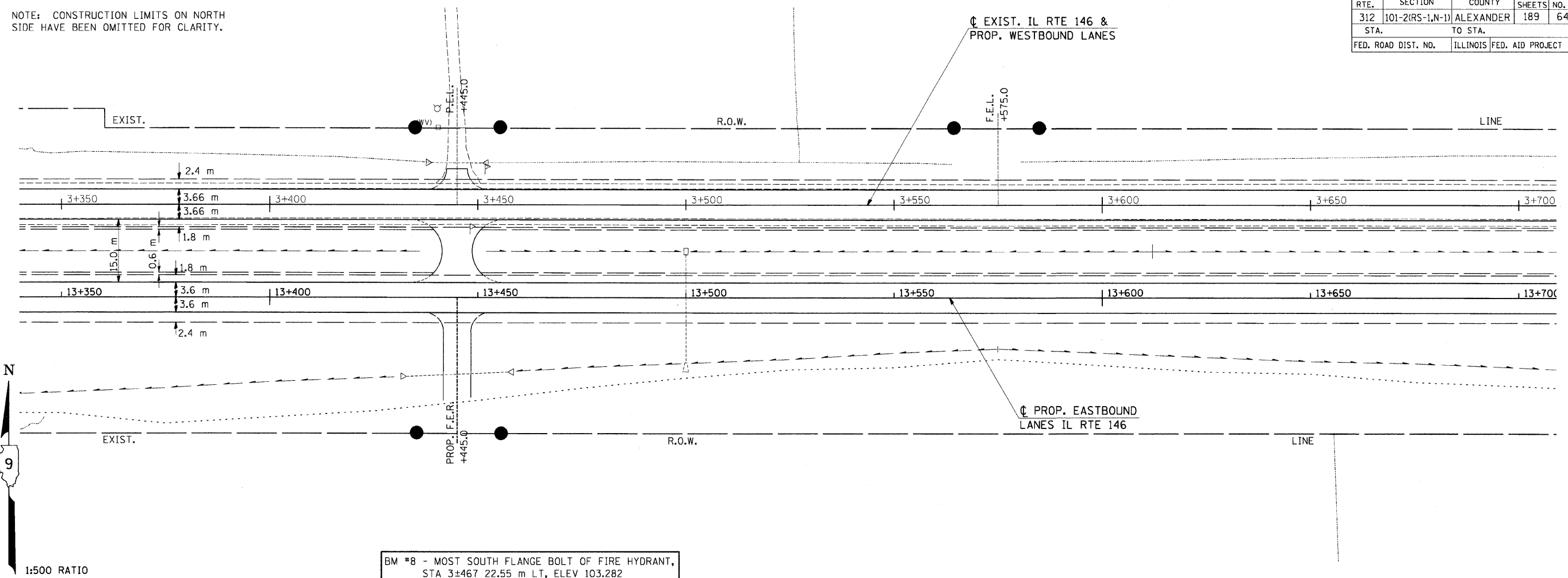
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TEMPORARY EROSION CONTROL PLAN - STA 3+000 TO STA 3+350

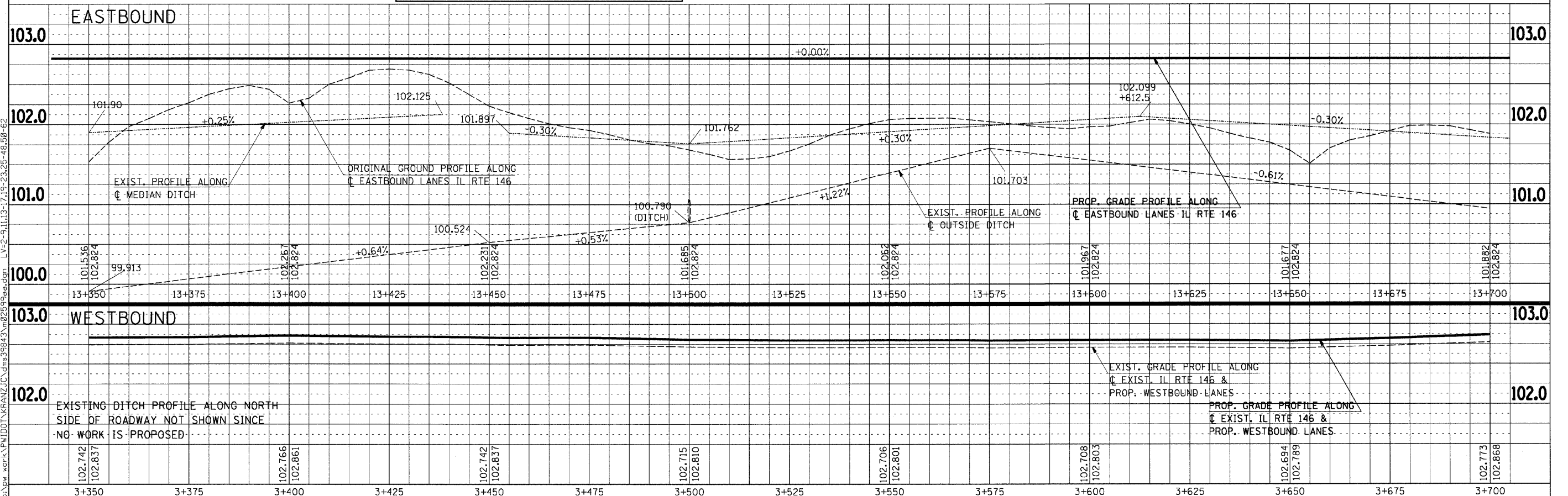
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

FINAL SURVEY	DATE
SURVEYED	
PIOTTED	
NOTE BOOK TEMPLATE	
AREAS	
CHECKED	
NO.	



BM #8 - MOST SOUTH FLANGE BOLT OF FIRE HYDRANT,
STA 3+467 22.55 m LT, ELEV 103.282



Tuesday September 15, 2009 @ 9:05:13 AM
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 c:\pwworkspace\KRW\DWG\KRW\KRW.dwg
 c:\pwworkspace\KRW\DWG\KRW\KRW.dwg
 LV=2-23-25-63
 LV=1-5,7-15,17-21,23-62
 LV=2-9,11,13-17,19-23,25-48,50-62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

BY	DATE

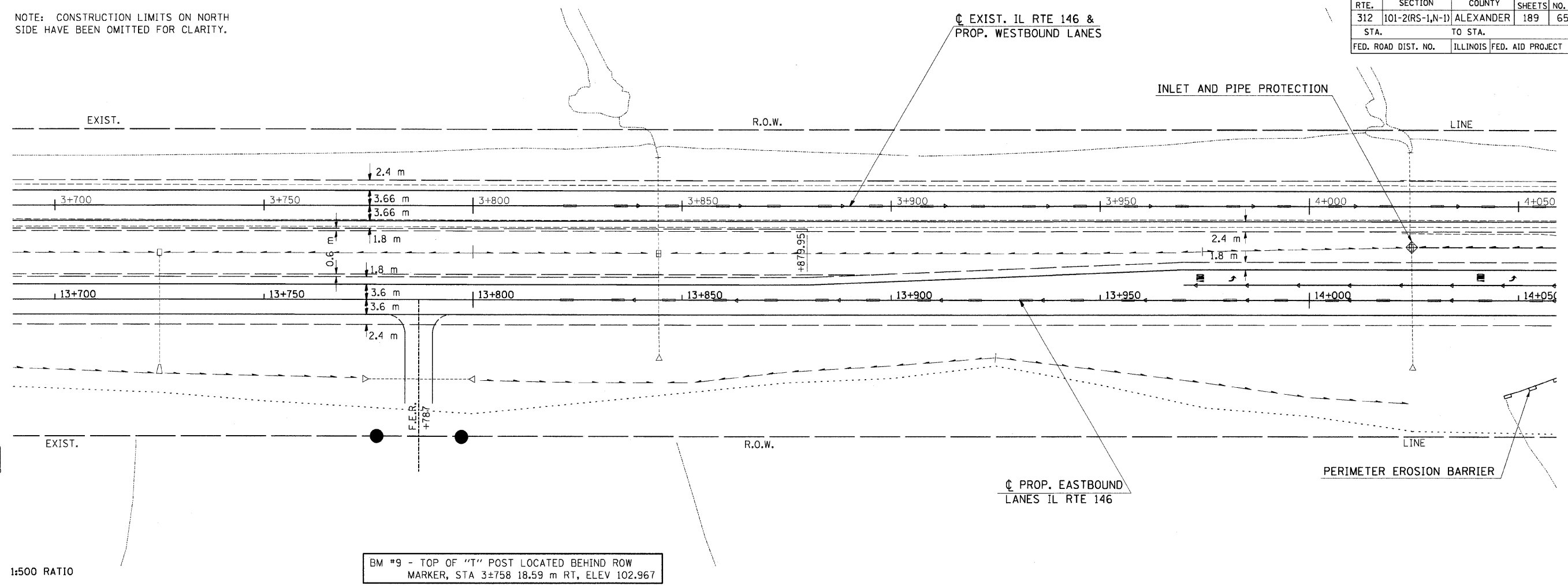
FINAL SURVEY PLOTTED

NOTE: BOOK TEMPLATE AREAS CHECKED

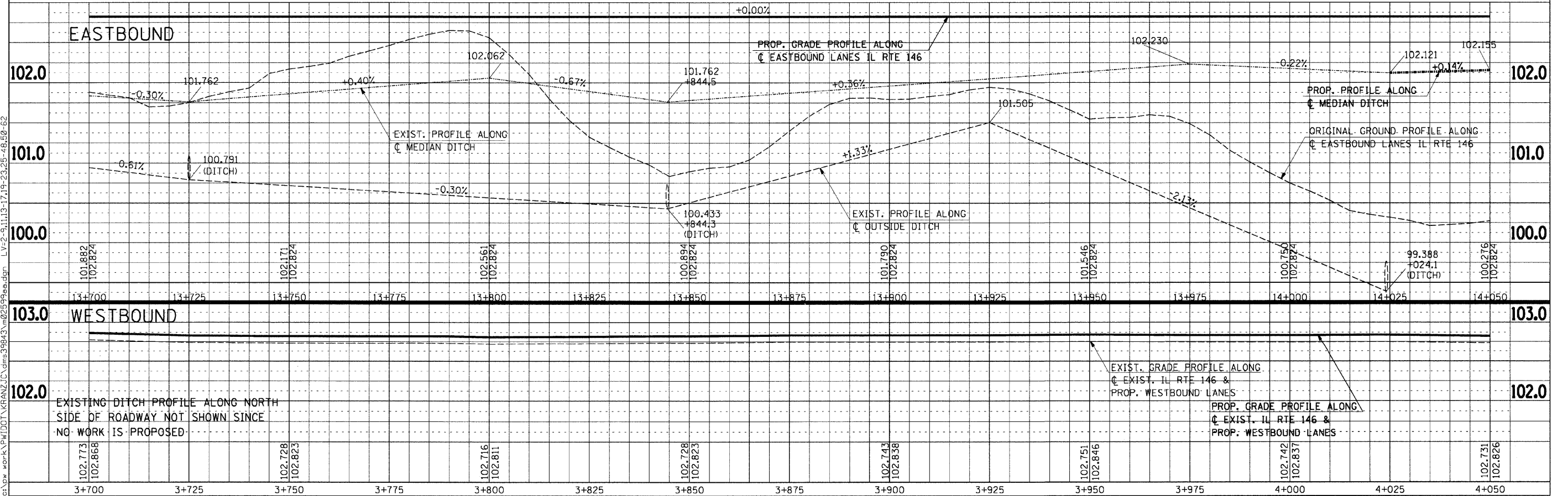
NO. AREAS CHECKED



1:500 RATIO



BM #9 - TOP OF "T" POST LOCATED BEHIND ROW MARKER, STA 3+758 18.59 m RT, ELEV 102.967

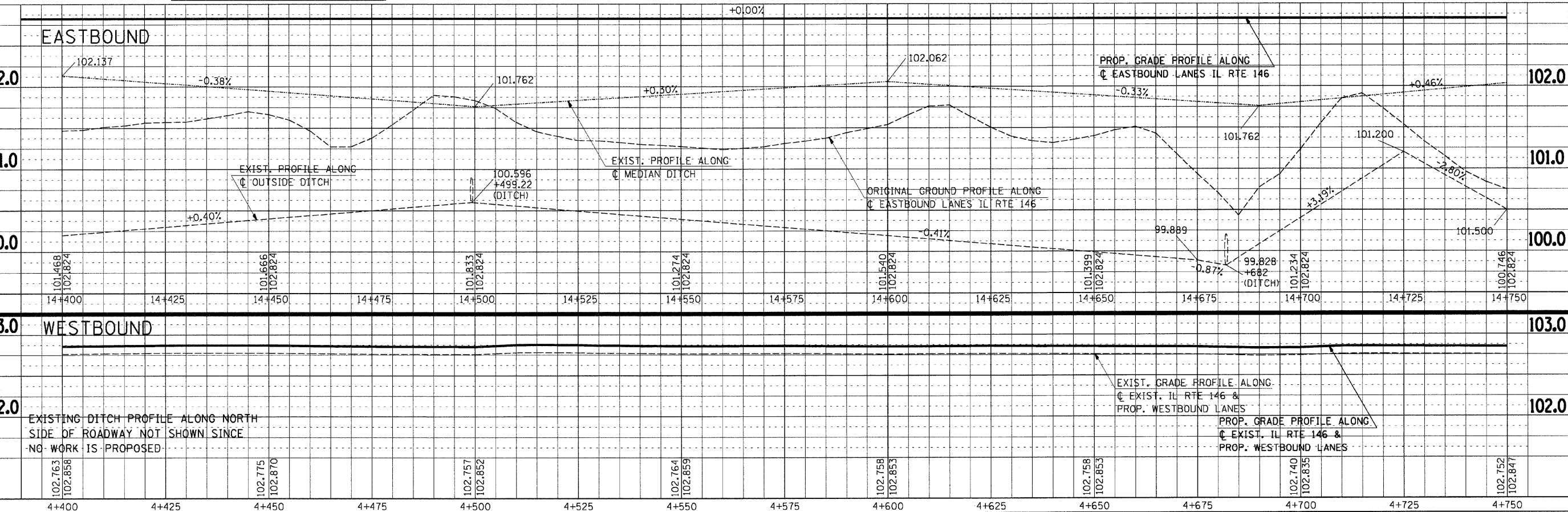
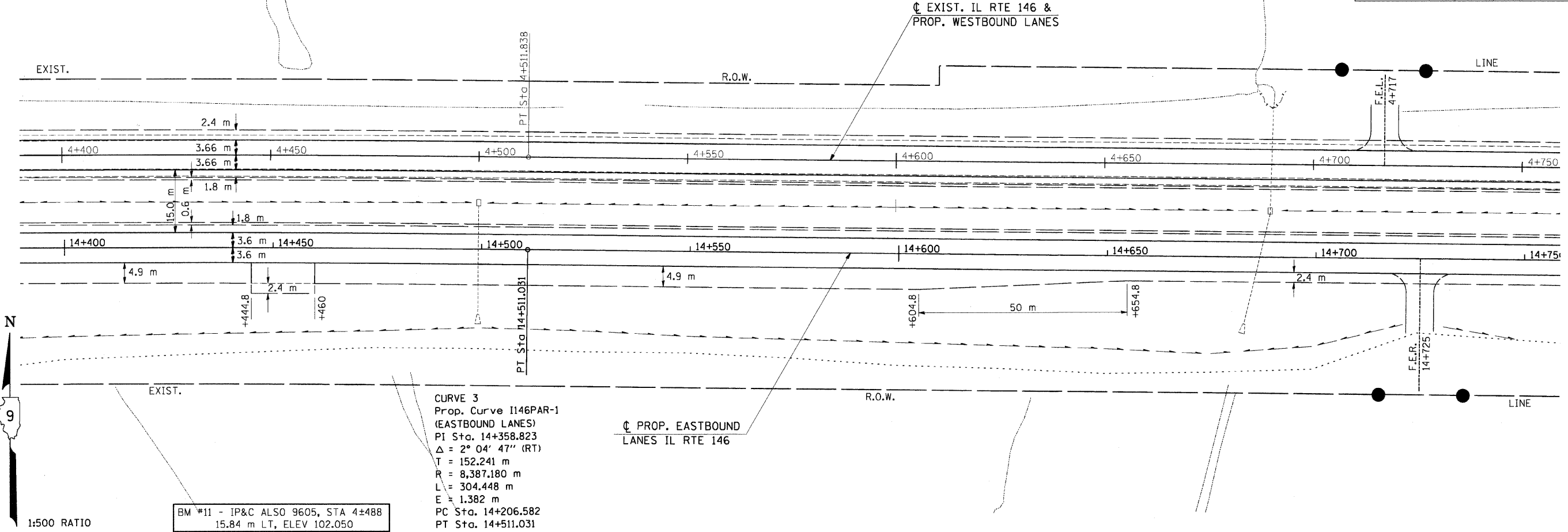


Tuesday September 15, 2009 @ 9:00:23 AM
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 c:\pwworkspace\KPI\DOT\KRAZJJC\jms39843\m0259991.dgn LV=1-5-7-15-17-20-24-62
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

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



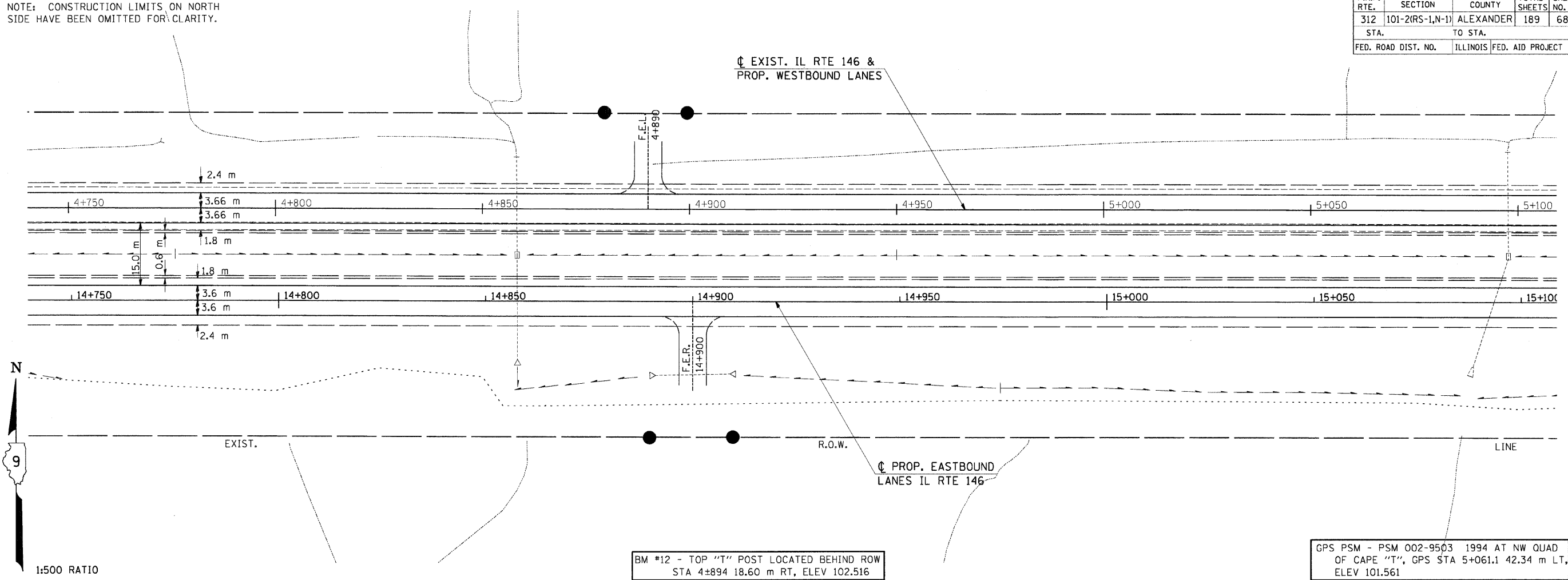
EXISTING DITCH PROFILE ALONG NORTH SIDE OF ROADWAY NOT SHOWN SINCE NO WORK IS PROPOSED

Tuesday September 15, 2009 @ 8:32:53 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-21RS-1,N-1)	ALEXANDER	189	68
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

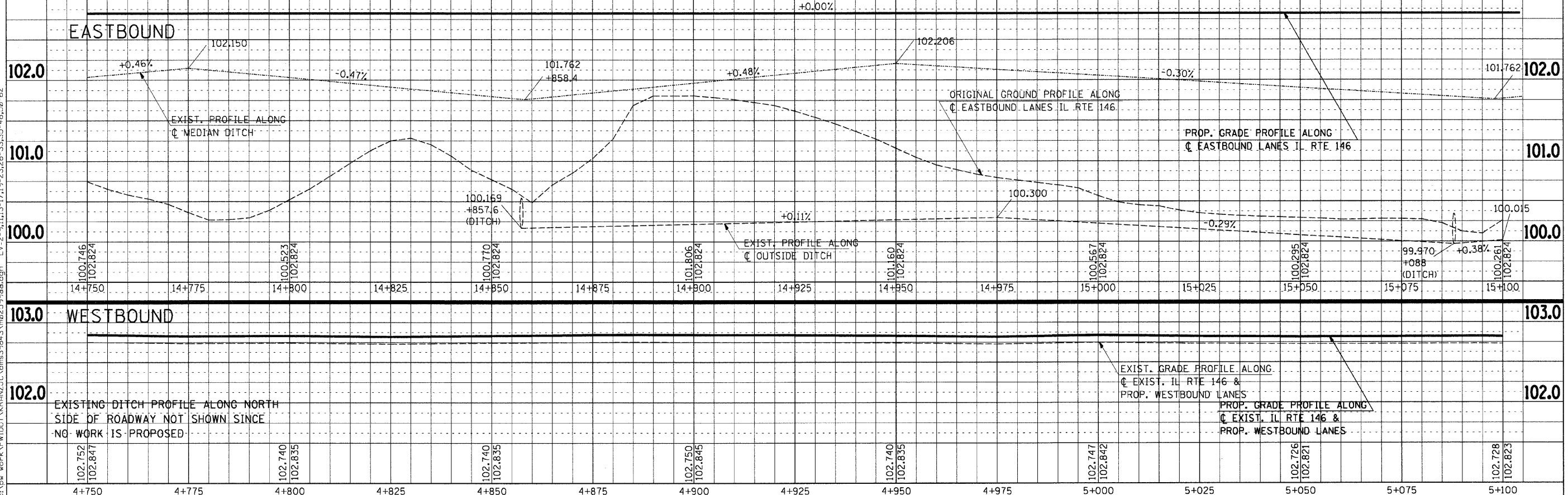
NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

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



BM #12 - TOP "T" POST LOCATED BEHIND ROW
STA 4+894 18.60 m RT, ELEV 102.516

GPS PSM - PSM 002-9503 1994 AT NW QUAD
OF CAPE "T", GPS STA 5+061.1 42.34 m LT,
ELEV 101.561



TEMPORARY EROSION CONTROL PLAN - STA 4+750 TO STA 5+100

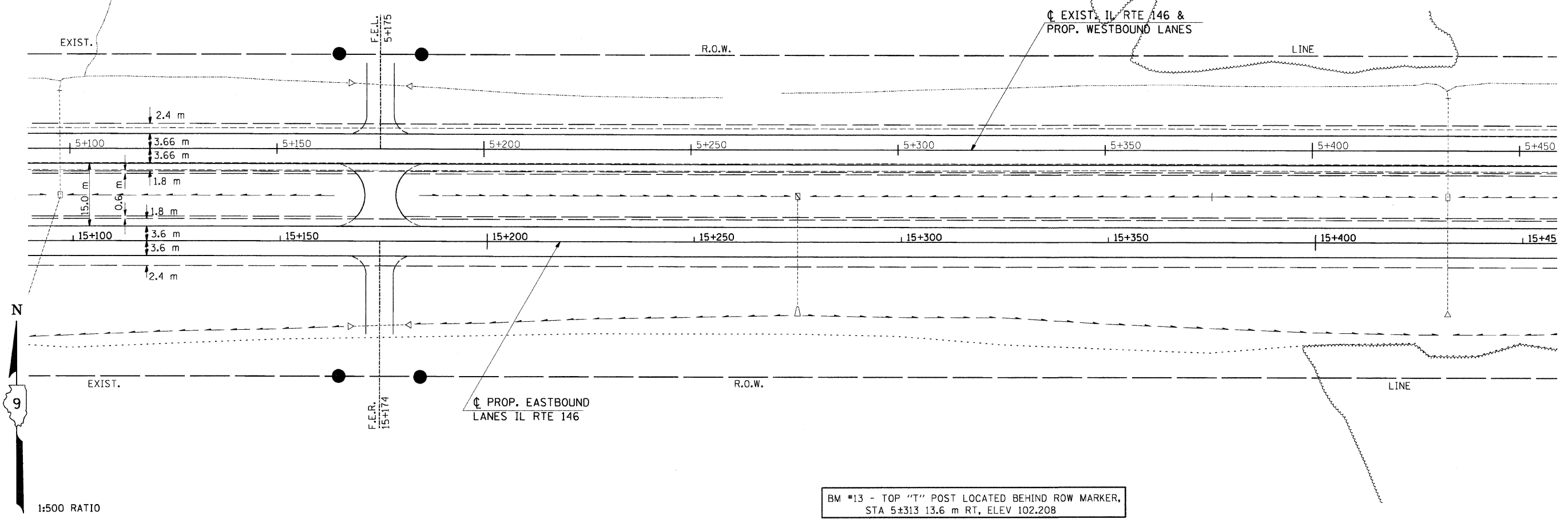
Tuesday September 15, 2009 @ 8:15:00 AM
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 c:\new_work\p\10101\KRRANZJC\dms43640\m02599pl.dgn LV=1-5-7-15-17-21-23-62
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

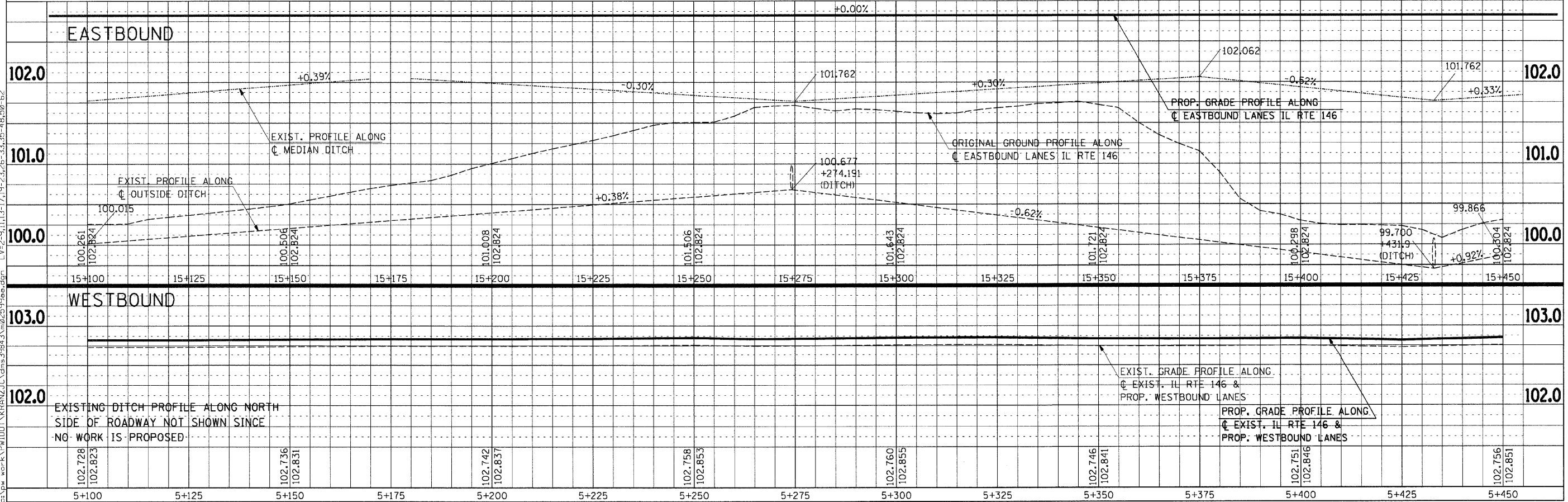
NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.

BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE NO. AREAS CHECKED



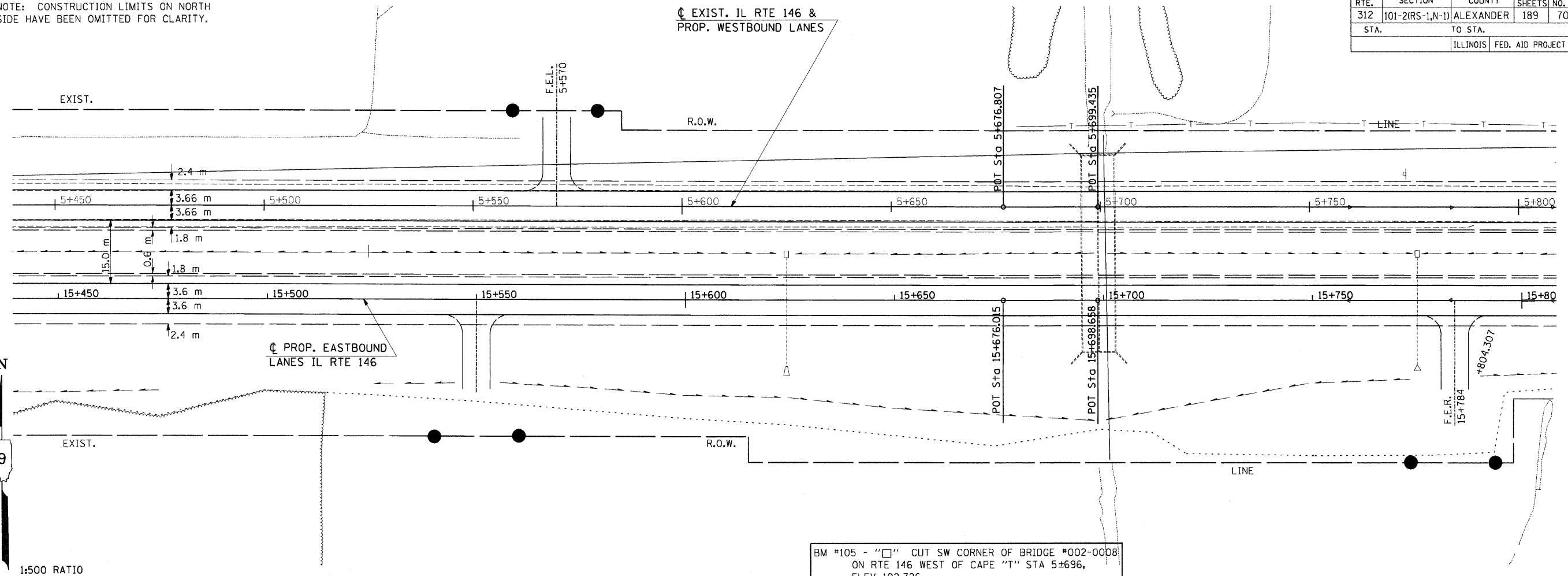
BM #13 - TOP "T" POST LOCATED BEHIND ROW MARKER, STA 5+313 13.6 m RT, ELEV 102.208



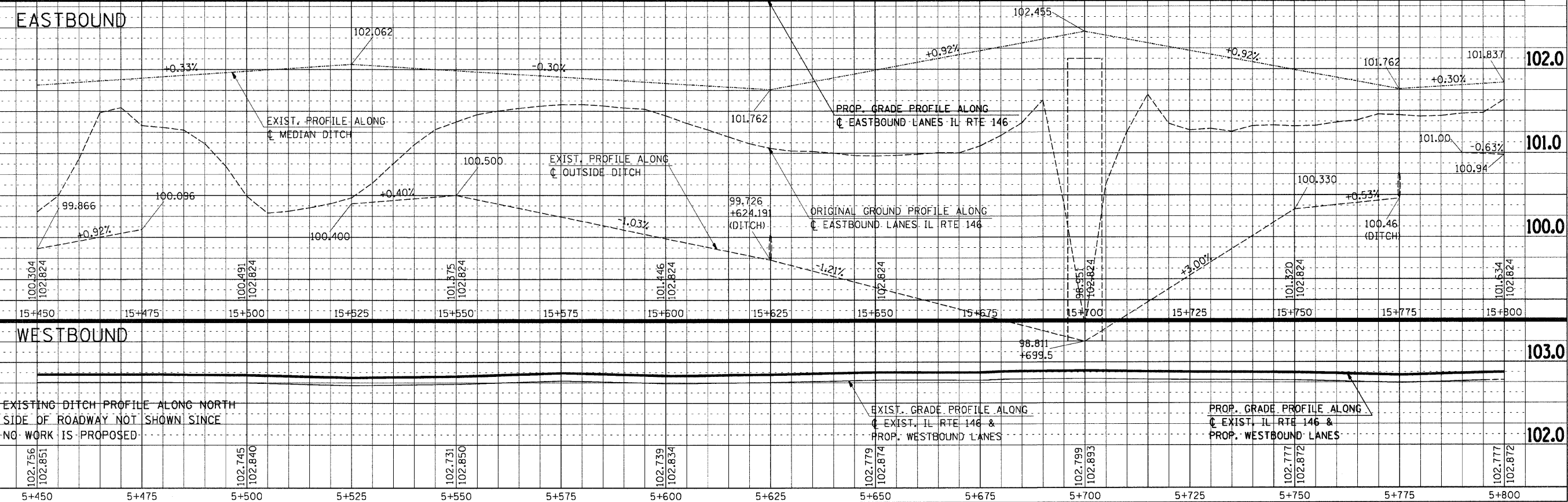
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	70
TO STA.				
			ILLINOIS	FED. AID PROJECT

NOTE: CONSTRUCTION LIMITS ON NORTH SIDE HAVE BEEN OMITTED FOR CLARITY.



BM #105 - "□" CUT SW CORNER OF BRIDGE #002-0008 ON RTE 146 WEST OF CAPE "T" STA 5+696, ELEV 102.726



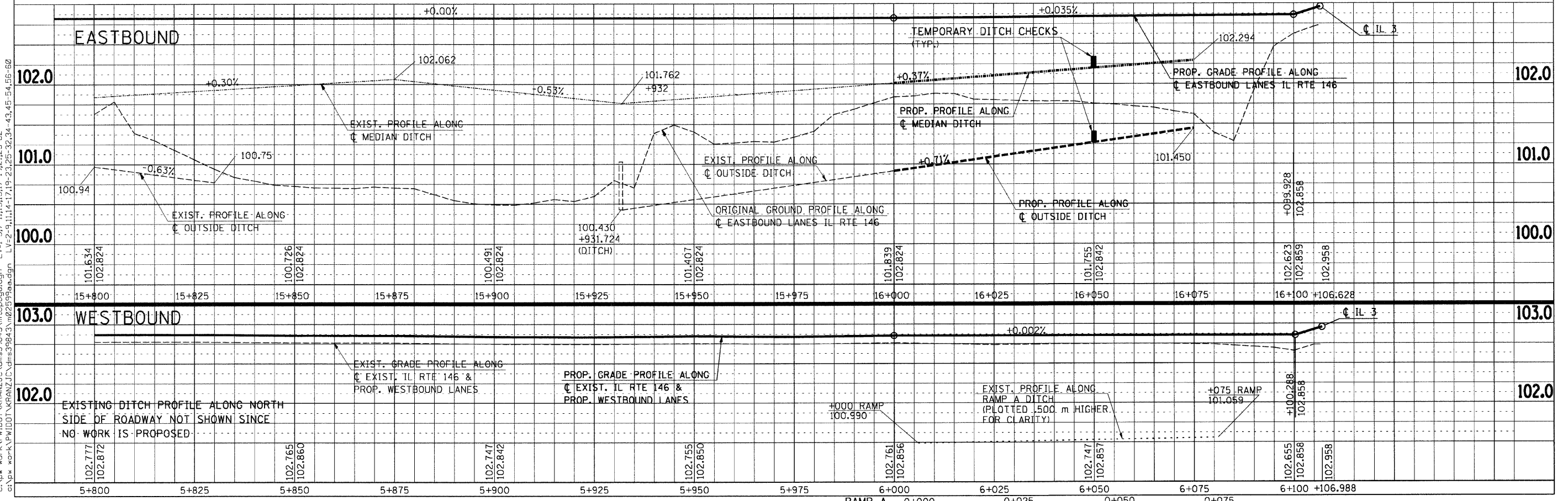
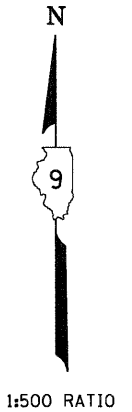
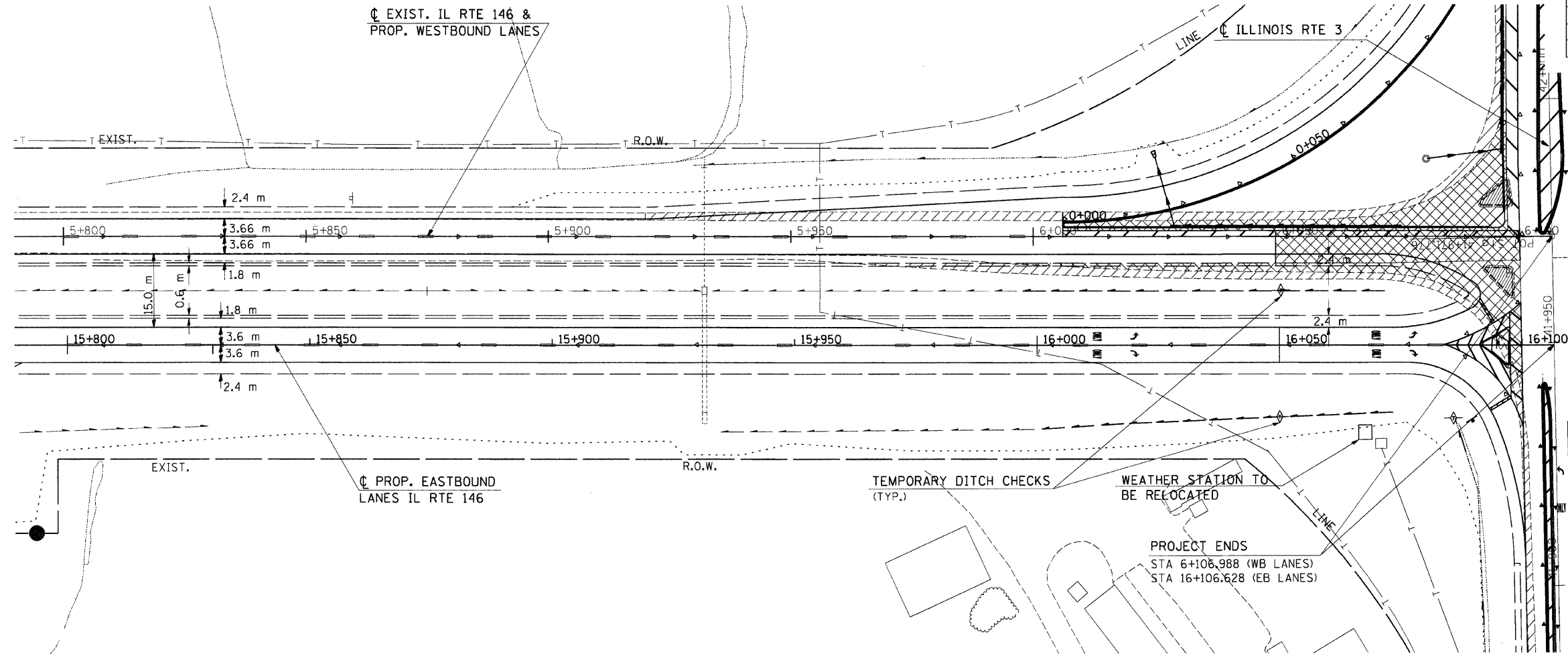
FINAL SURVEY	BY	DATE
SURVEYED		
PIOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		
NO.		

Tuesday September 15, 2009 8:29:06 AM
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 LV

TEMPORARY EROSION CONTROL PLAN – STA 5+450 TO STA 5+800

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

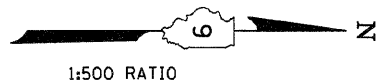
BY	DATE
FINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE AREAS CHECKED	
NO.	



TEMPORARY EROSION CONTROL PLAN - STA 5+800 TO STA 6+106.989

Tuesday September 15, 2009 @ 8:25:09 AM
 C:\pwworkspace\KVRANZ\JVC\dms43644\m22599pl.dgn LV=2-23-25-63
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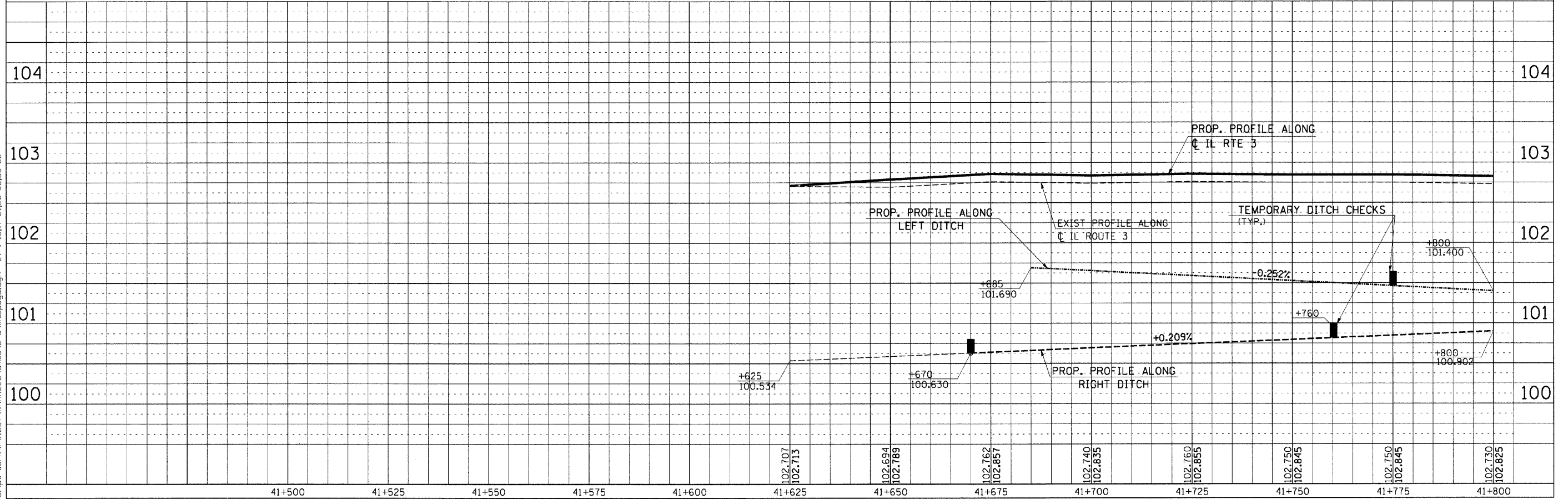
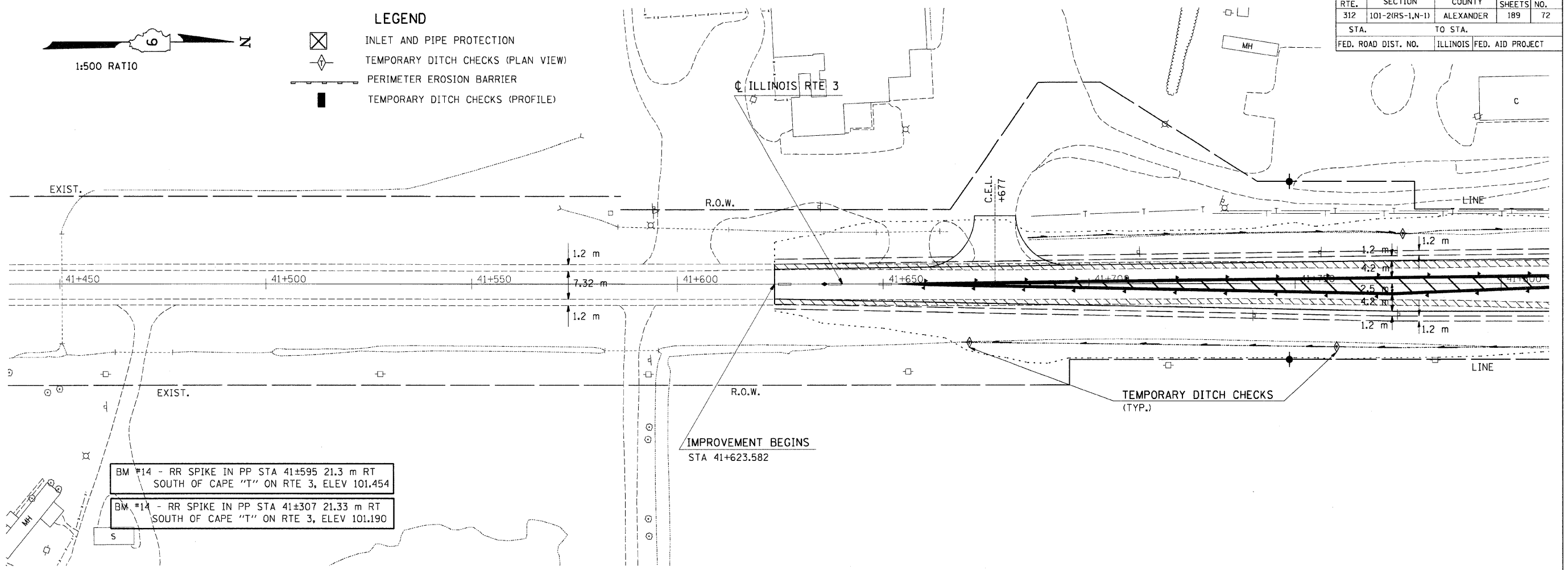
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND**
- INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS (PLAN VIEW)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECKS (PROFILE)

BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE AREAS CHECKED



Tuesday September 15, 2009 @ 7:38:42 AM
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 ct:\pw\wcr-k\pw\1001\KRRANZJC.dms 39843\m2599p2.dgn LV=1-15,17-21,23-55,58-63

TEMPORARY EROSION CONTROL PLAN ROUTE 3 - STA 41+450 TO STA 41+800

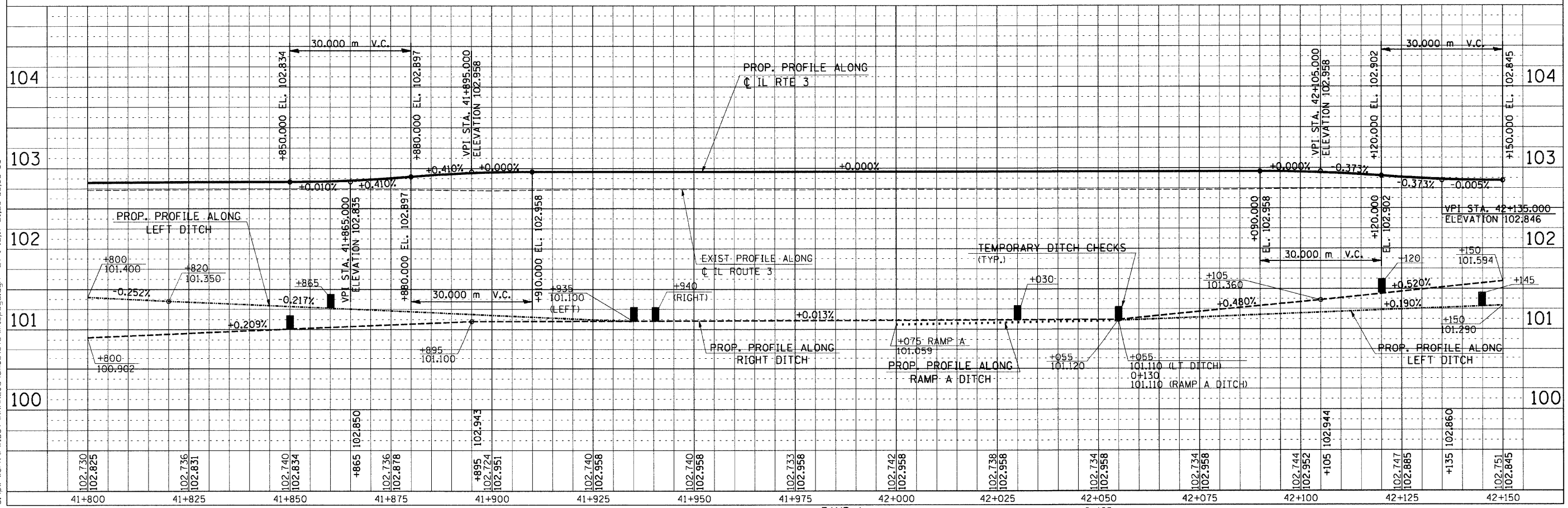
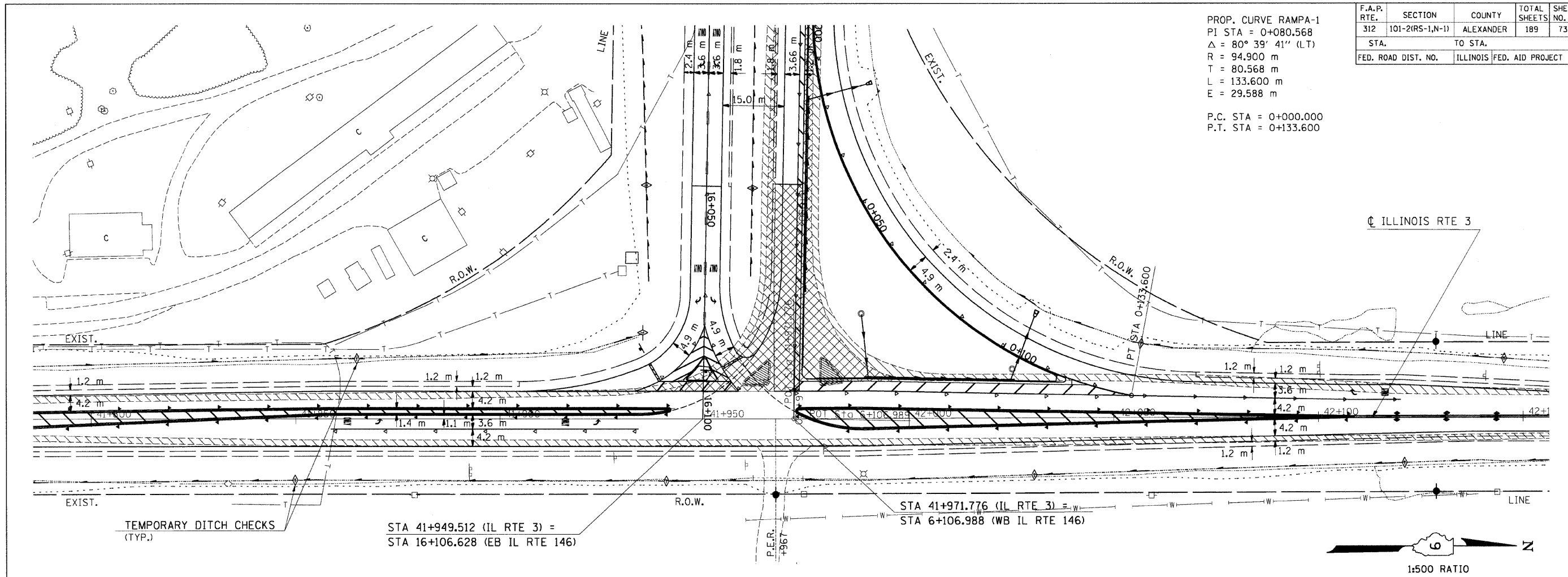
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROP. CURVE RAMPA-1
 PI STA = 0+080.568
 $\Delta = 80^\circ 39' 41''$ (LT)
 R = 94.900 m
 T = 80.568 m
 L = 133.600 m
 E = 29.588 m

P.C. STA = 0+000.000
 P.T. STA = 0+133.600

BY	DATE

FINAL SURVEY PLOTTED
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO. _____



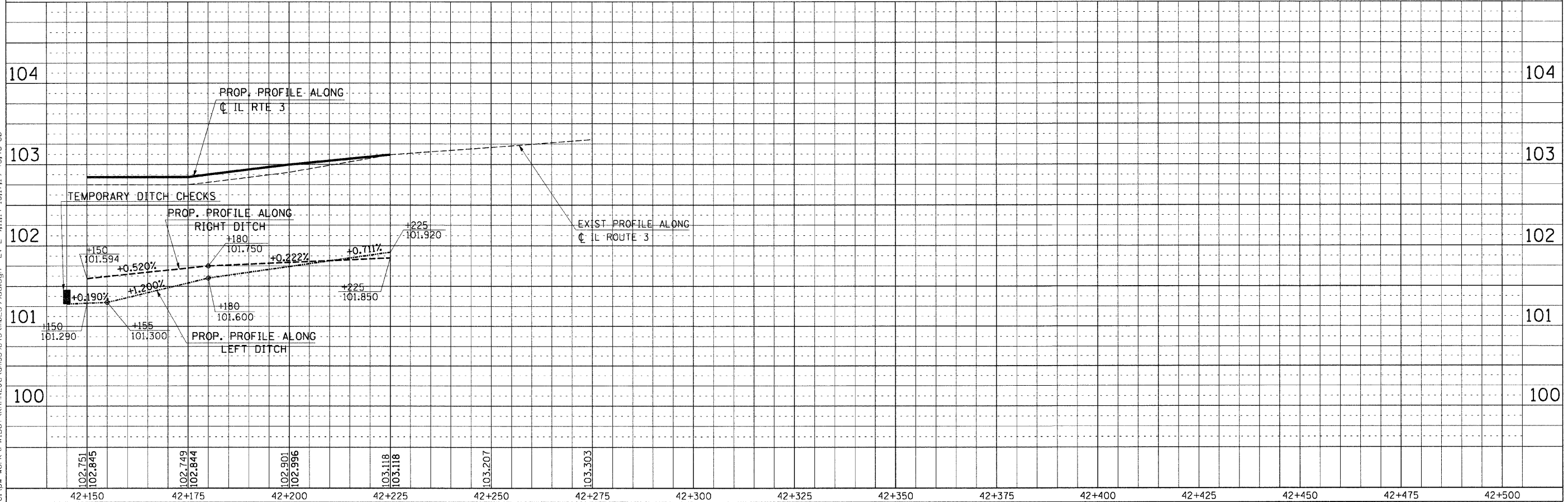
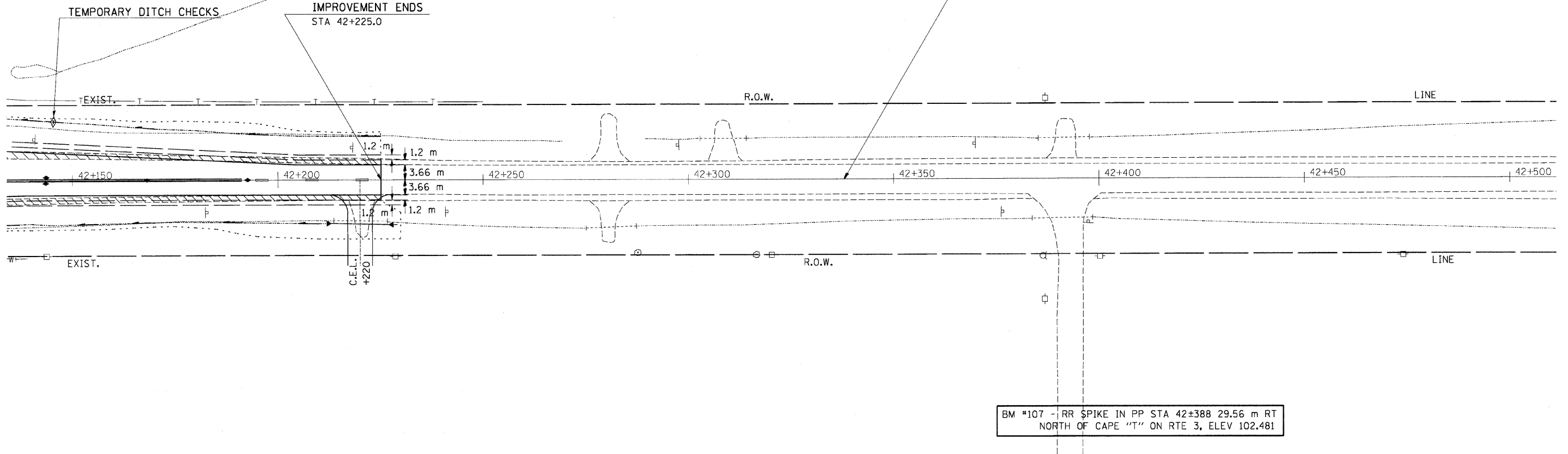
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TEMPORARY EROSION CONTROL PLAN ROUTE 3 - STA 41+800 TO STA 42+150

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



BY	DATE

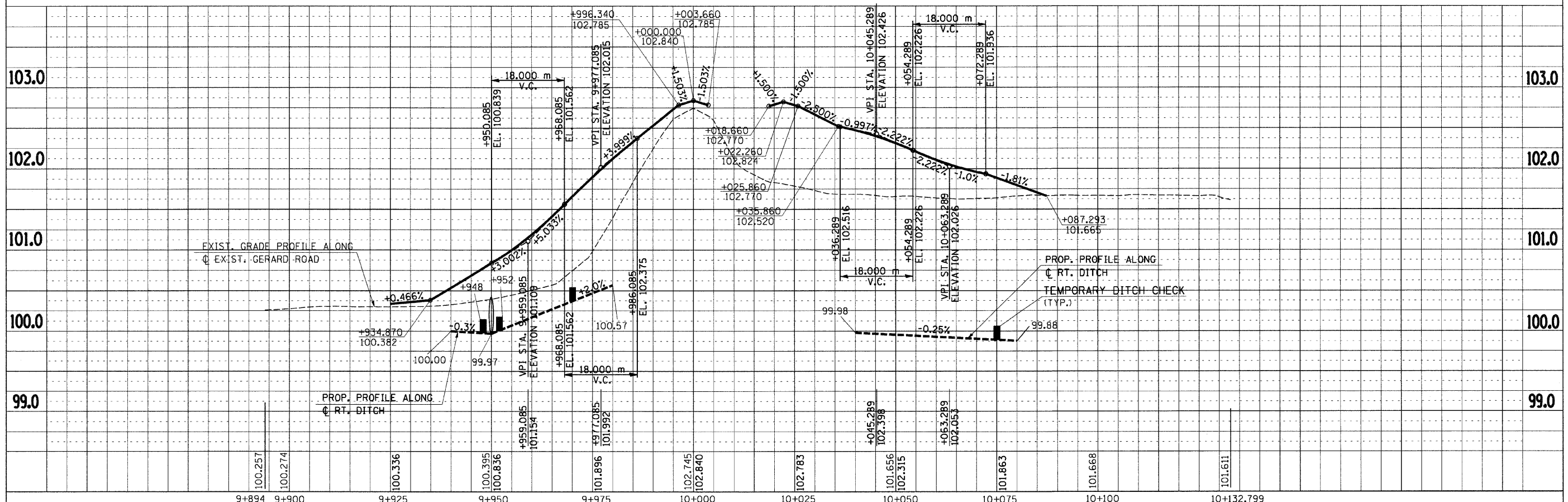
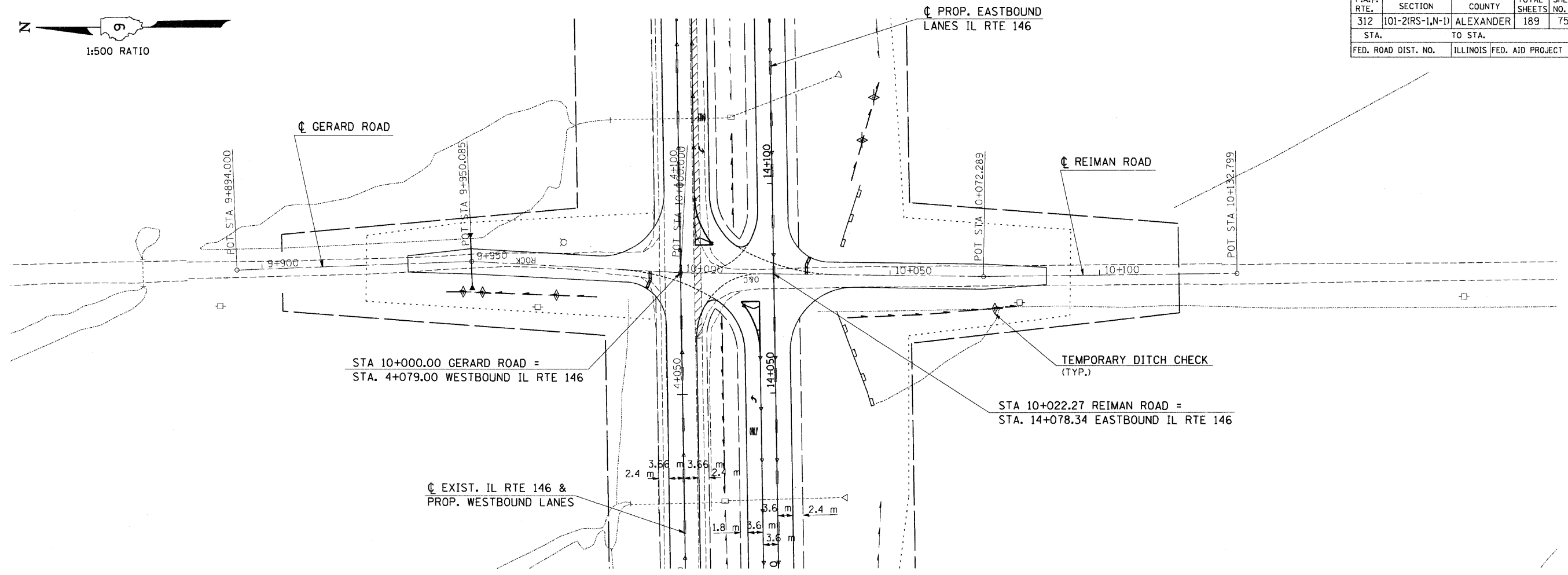


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	75
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BY	DATE



Tuesday September 15, 2009 @ 8:03:22 AM
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TEMPORARY EROSION CONTROL GERARD ROAD - STA 9+894 TO STA 10+132.799

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	*	ALEXANDER	189	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 101-2(RS-1, N-1)				



STATIONING ALONG IL RTE 146 PROP. EB	OFFSET TO E.P. METER	EDGE OF PAVT. ELEV. METER	STATIONING ALONG IL RTE 3	OFFSET TO E.P. METER	DISTANCE ALONG RADIUS METER
RT. 16+076.27	3.599	102.80			3
RT. 16+079.26	3.823	102.79			3
RT. 16+082.18	4.492	102.79			3
RT. 16+084.97	5.590	102.78			3
RT. 16+087.56	7.092	102.77			3
RT. 16+089.90	8.965	102.76			3
RT. 16+091.94	11.167	102.76			3
RT. 16+093.62	13.647	102.77			3
RT. 16+094.91	16.350	102.78			3
RT. 16+095.99	19.151	102.79	LT. 41+930.56	10.995	3
RT. 16+096.96	21.989	102.81	LT. 41+927.71	10.078	3
RT. 16+097.82	24.862	102.82	LT. 41+924.82	9.268	3
RT. 16+098.58	27.766	102.83	LT. 41+921.90	8.568	3
		102.84	LT. 41+918.96	7.978	3
		102.85	LT. 41+916.00	7.498	3
		102.85	LT. 41+913.02	7.129	3
		102.85	LT. 41+910.03	6.873	3
		102.86	LT. 41+907.04	6.728	2.35

STATIONING ALONG TL RAMP A	OFFSET TO E.P. METER	INSIDE EDGE OF PAVT. ELEV. METER	DISTANCE ALONG RADIUS METER
STA. 0+003.00	0.000	102.79	3
STA. 0+006.00	0.000	102.79	3
STA. 0+009.00	0.000	102.80	3
STA. 0+012.00	0.000	102.80	3
STA. 0+015.00	0.000	102.80	3
STA. 0+018.00	0.000	102.80	3
STA. 0+021.00	0.000	102.80	3
STA. 0+024.00	0.000	102.80	3
STA. 0+027.00	0.000	102.80	3
STA. 0+030.00	0.000	102.80	3
STA. 0+033.00	0.000	102.80	3
STA. 0+036.00	0.000	102.80	3
STA. 0+039.00	0.000	102.79	3
STA. 0+042.00	0.000	102.79	3
STA. 0+045.00	0.000	102.79	3
STA. 0+048.00	0.000	102.79	3
STA. 0+051.00	0.000	102.79	3
STA. 0+054.00	0.000	102.79	3
STA. 0+057.00	0.000	102.79	3
STA. 0+060.00	0.000	102.79	3
STA. 0+063.00	0.000	102.78	3
STA. 0+066.00	0.000	102.78	3
STA. 0+069.00	0.000	102.78	3
STA. 0+072.00	0.000	102.78	3
STA. 0+075.00	0.000	102.78	3
STA. 0+078.00	0.000	102.78	3
STA. 0+081.00	0.000	102.78	3
STA. 0+084.00	0.000	102.78	3
STA. 0+087.00	0.000	102.78	3
STA. 0+090.00	0.000	102.77	3
STA. 0+093.00	0.000	102.77	3
STA. 0+096.00	0.000	102.77	3
STA. 0+099.00	0.000	102.78	3
STA. 0+102.00	0.000	102.78	3
STA. 0+105.00	0.000	102.78	3
STA. 0+108.00	0.000	102.78	3
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STA. 0+114.00	0.000	102.79	3
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STA. 0+120.00	0.000	102.81	3
STA. 0+123.00	0.000	102.83	3
STA. 0+126.00	0.000	102.85	3
STA. 0+129.00	0.000	102.86	3
STA. 0+132.00	0.000	102.87	3
STA. 0+133.60	0.000	102.88	1.60

☐ PROP. EASTBOUND LANES
IL RTE 146

☐ EXIST. IL RTE 146 &
PROP. WESTBOUND LANES

PC STA. 0+000.00 TL RAMP A =
3.15 m LT. STA. 6+006.08 IL 146

2 ☐ CENTERED CURVE
20 m R - 80 m R
4.1 m OFFSET

TL RAMP A

90 m R.

PT STA. 0+133.60 TL RAMP A =
5.335 m LT. STA. 42+054.33 ☐ IL RTE 3

☐ FAP 14 (IL RTE 3)

STATIONING ALONG ILL 146 EB	OFFSET TO E.P. METER	MEDIAN EDGE OF PAVT. ELEV. METER	DISTANCE ALONG EDGE METER
LT. 16+073.36	3.602	102.80	3
LT. 16+076.36	3.730	102.79	3
LT. 16+079.33	4.115	102.79	3
LT. 16+082.26	4.752	102.78	3
LT. 16+085.13	5.639	102.77	3
LT. 16+087.90	6.767	102.75	3
LT. 16+089.80	7.703	102.74	2.116

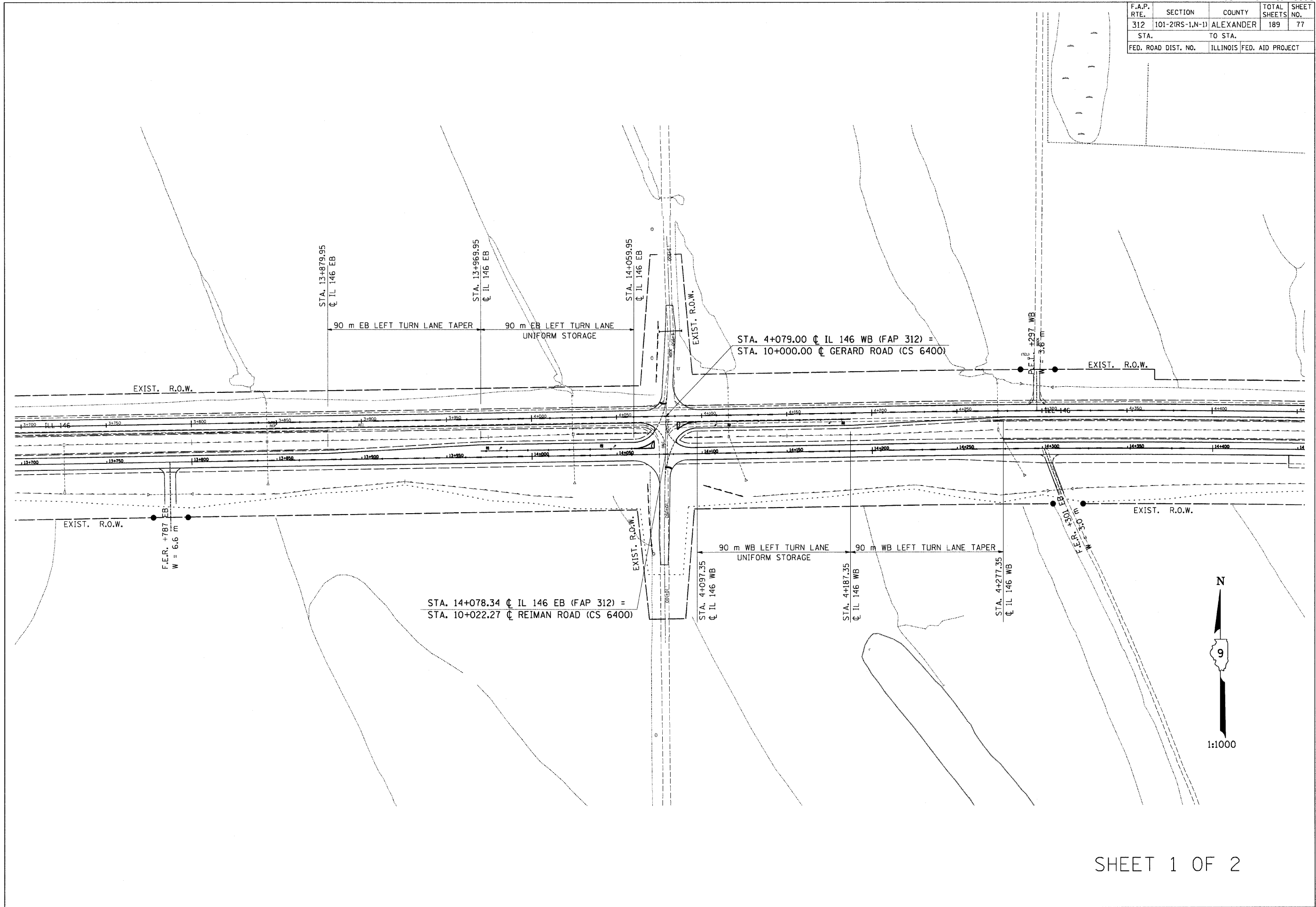
STATIONING ALONG ILL 146 WB	OFFSET TO E.P. METER	MEDIAN EDGE OF PAVT. ELEV. METER	DISTANCE ALONG EDGE METER
RT. 6+071.61	3.658	102.80	3
RT. 6+074.60	3.787	102.80	3
RT. 6+077.58	4.172	102.79	3
RT. 6+080.51	4.809	102.78	3
RT. 6+083.37	5.695	102.77	3
RT. 6+086.15	6.824	102.75	3
RT. 6+088.82	8.186	102.73	2.333
RT. 6+090.82	9.400	102.73	

STATIONING ALONG IL RTE 3	OFFSET TO OUTSIDE EDGE OF SHOULDER METER	OUTSIDE EDGE OF SHOULDER ELEVATION METER	DISTANCE ALONG EDGE METER
LT. 41+973.17	9.097	102.81	3
LT. 41+976.17	9.097	102.81	3
LT. 41+979.17	9.097	102.81	3
LT. 41+982.17	9.096	102.81	3
LT. 41+985.17	9.096	102.81	3
LT. 41+988.17	9.096	102.81	3
LT. 41+991.17	9.050	102.81	3
LT. 41+994.17	8.987	102.811	3
LT. 41+997.17	8.925	102.812	3
LT. 42+000.17	8.862	102.813	3
LT. 42+003.17	8.800	102.814	3
LT. 42+006.17	8.738	102.815	3
LT. 42+009.17	8.675	102.816	3

STATIONING ALONG IL RTE 3	OFFSET TO OUTSIDE EDGE OF SHOULDER METER	OUTSIDE EDGE OF SHOULDER ELEVATION METER	DISTANCE ALONG EDGE METER
LT. 42+010.00	8.658	102.816	3
LT. 42+012.17	8.611	102.817	3
LT. 42+015.17	8.549	102.818	3
LT. 42+018.17	8.487	102.819	3
LT. 42+021.17	8.425	102.821	3
LT. 42+024.17	8.363	102.821	3
LT. 42+027.17	8.301	102.821	3
LT. 42+030.17	8.239	102.822	3
LT. 42+033.17	8.177	102.823	3
LT. 42+036.17	8.115	102.824	3
LT. 42+039.17	8.053	102.825	3
LT. 42+039.72	8.038	102.825	0.550

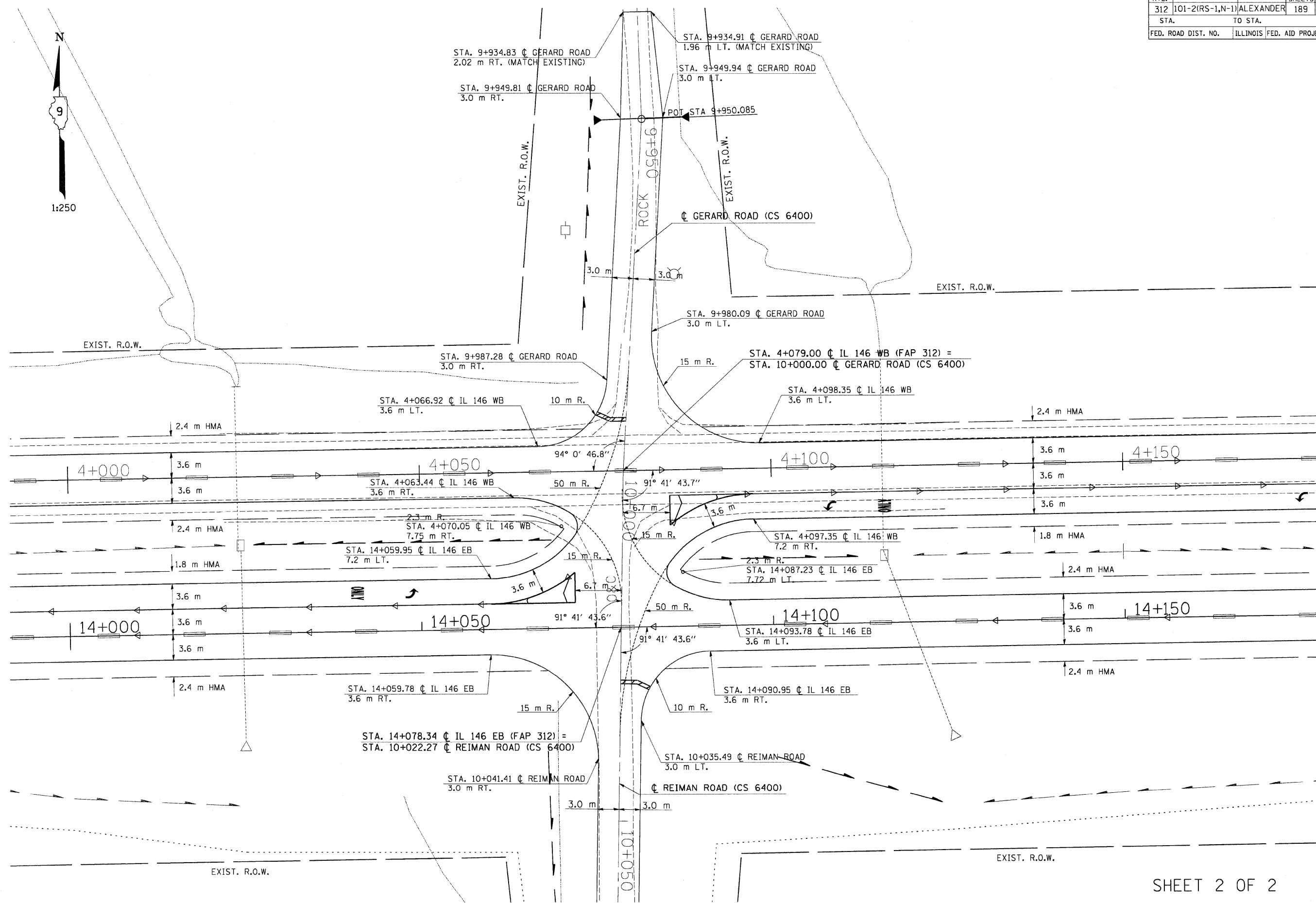
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Monday, September 14, 2009 @ 11:28:15 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	78
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Monday, September 14, 2009 8:10:23 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	79
STA. TO STA.			ILLINOIS FED. AID PROJECT	

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pave1 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=1-5,7-15,17-21,23-62
pave2 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=1-5,7-15,17-21,23-62
pave3 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=2,14,20,25,27-28,37,57

EAST CAPE GIRARDEAU

1:500 RATIO



EXIST. IL RTE 146

THERMOPLASTIC PAVEMENT MARKINGS-LINE 100MM (SOLID YELLOW)

THERMOPLASTIC PAVEMENT MARKINGS-LINE 300MM (SOLID YELLOW)

THERMOPLASTIC PAVEMENT MARKINGS-LINE 100MM (DOUBLE YELLOW)

24.4 m (TYP.)

3.0 m

3.6 m

3.6 m

6 m (TYB)

+36.30

2+650

12+550

3.6 m

3.6 m

24.4 m (TYP.)

12+600

2.4 m

24.4 m (TYP.)

12+650

PT STA 12+641.551 (CL EB LANES)

RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER) (TYP.)

PROJECT BEGINS STA 12+539.400 (CL EB LANES)

THERMOPLASTIC PAVEMENT MARKINGS-LINE 100MM (SOLID WHITE)

PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE B-INLAID-LINE 100MM (SKIP-DASH WHITE)

Prop. Curve I146TR-1

PI Sta. 12+590.508

$\Delta = 5^\circ 01' 26''$ (RT)

T = 51.108 m

R = 1,165.000 m

L = 102.151 m

E = 1.121 m

PC Sta. 12+539.400

PT Sta. 12+641.551

RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL) (TYP.)

THERMOPLASTIC PAVEMENT MARKINGS-LINE 100MM (SOLID YELLOW)

RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL) (TYP.)

EXIST. IL RTE 146 & PROP. WESTBOUND LANES

24.4 m (TYP.)

3.0 m

7.2 m

1.8 m

12+700

12+750

3.6 m

3.6 m

2.4 m

12+800

12+850

12+900

12+950

13+000

24.4 m (TYP.)

PREFORMED PLASTIC PAVEMENT MARKINGS, TYPE B-INLAID-LINE 100MM (SKIP-DASH WHITE)

THERMOPLASTIC PAVEMENT MARKINGS-LINE 100MM (SOLID WHITE)

Prop. Curve I146TR-2

PI Sta. 12+780.659

$\Delta = 5^\circ 01' 26''$ (LT)

T = 51.108 m

R = 1,165.000 m

L = 102.151 m

E = 1.121 m

PC Sta. 12+729.551

PT Sta. 12+831.702

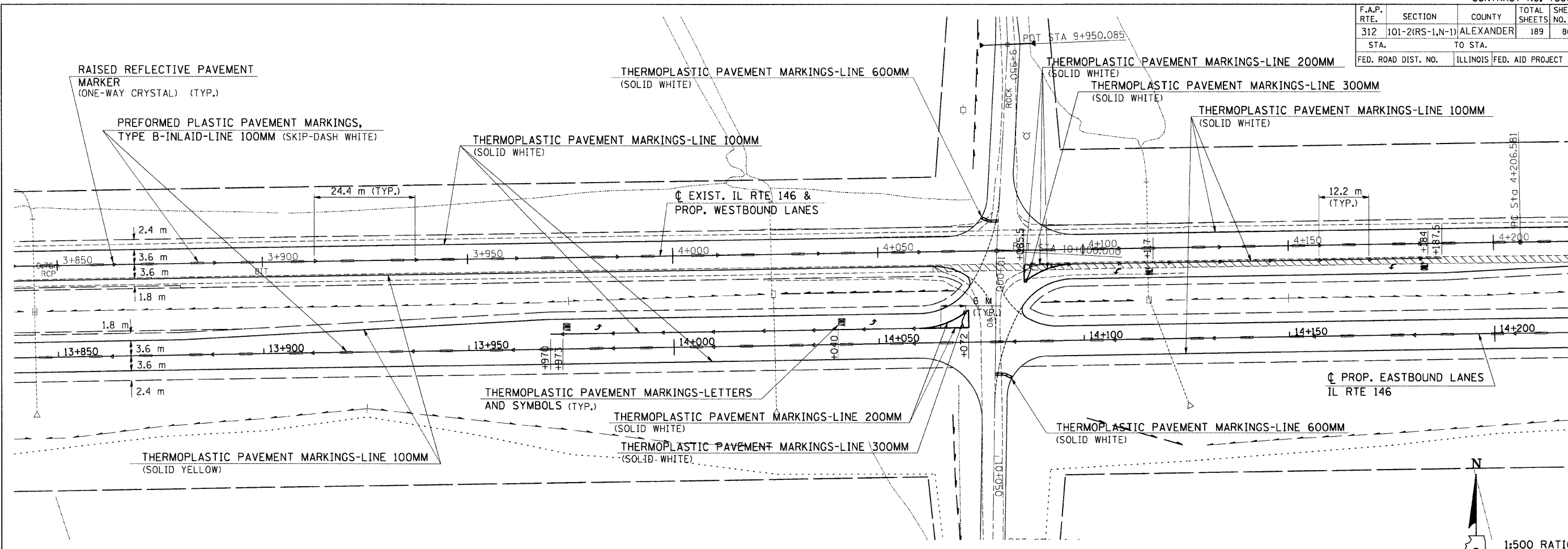
PROP. EASTBOUND LANES

IL RTE 146

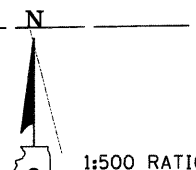
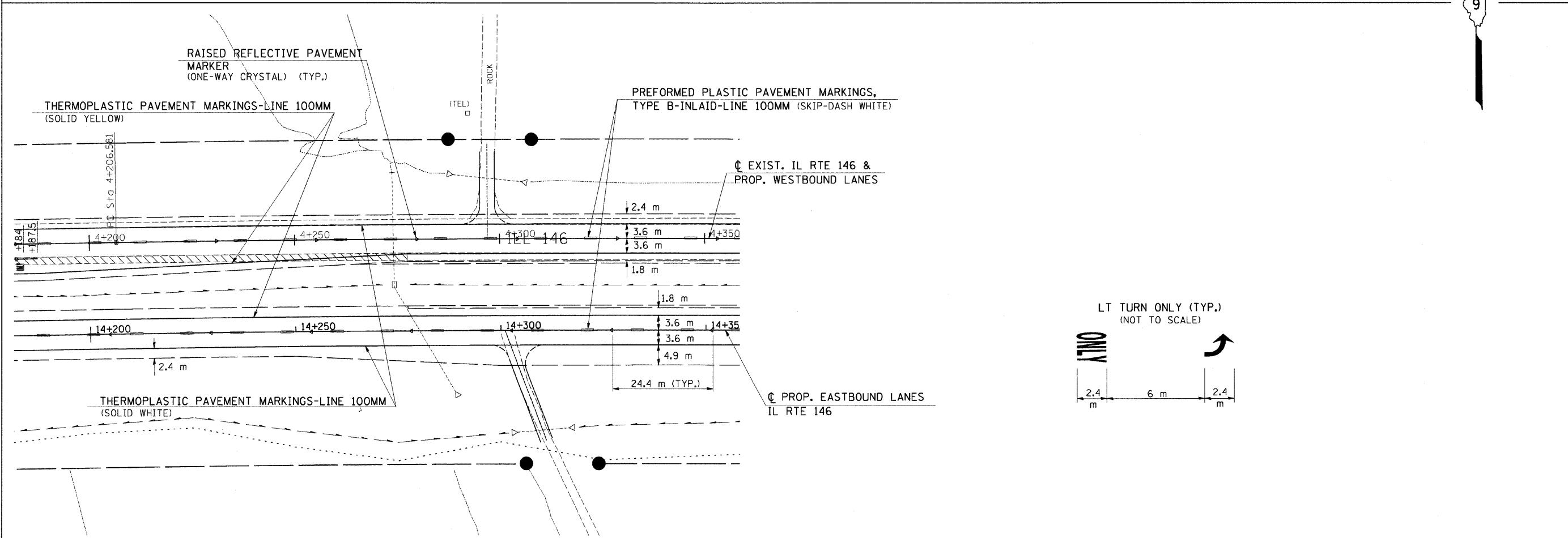
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c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=1-9,11,13-17,19-20,25-52,54-61
PAVE1 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=1-3-4-6-9,11,13-17,19-20,25-52,54-61
PAVE2 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=1-3-4-6-9,11,13-17,19-20,25-52,54-61
PAVE3 c:\pw-work\PIWIDOT\KRAZJJC\dms39843\m02599aa.dgn LV=2,14,20,25,27-28,37,57

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	80
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Monday September 14, 2009 @ 11:20:22 AM
 c:\pw\work\p\WIDDOT\KRRANZJC\dms39843\m02599aa.dgn LV=2-45,47-63
 PAV18et\pw work\p\WIDDOT\KRRANZJC\dms39843\m02599aa.dgn LV=1-9,11,13-17,19-20,25-60
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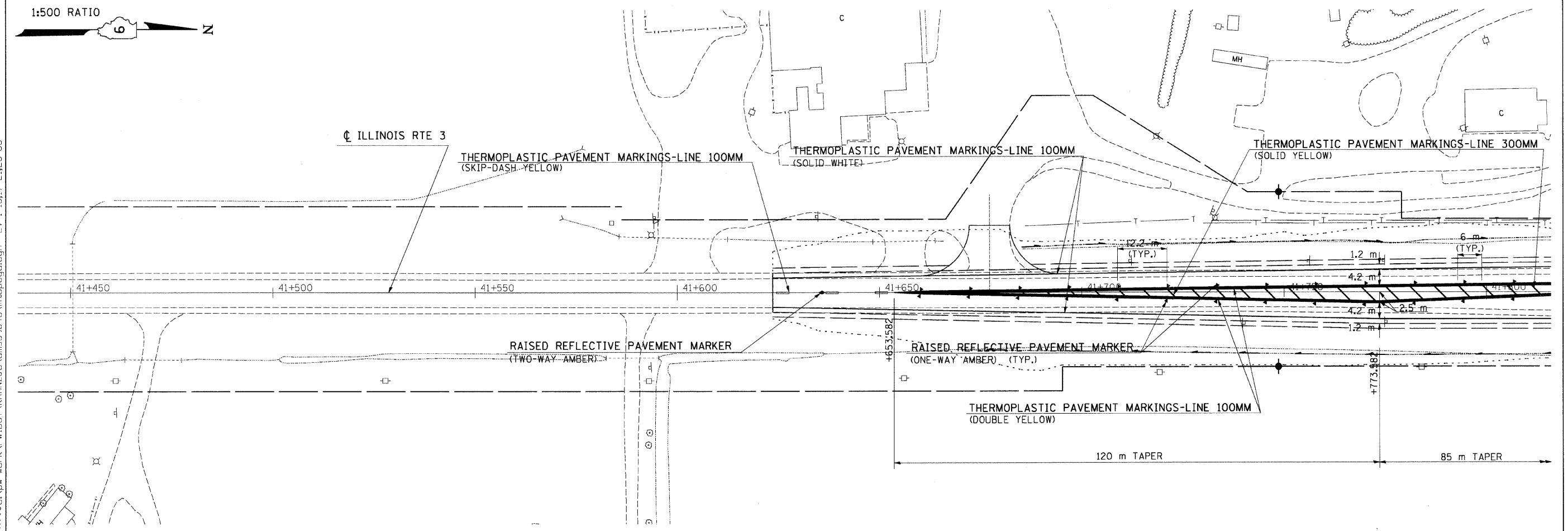
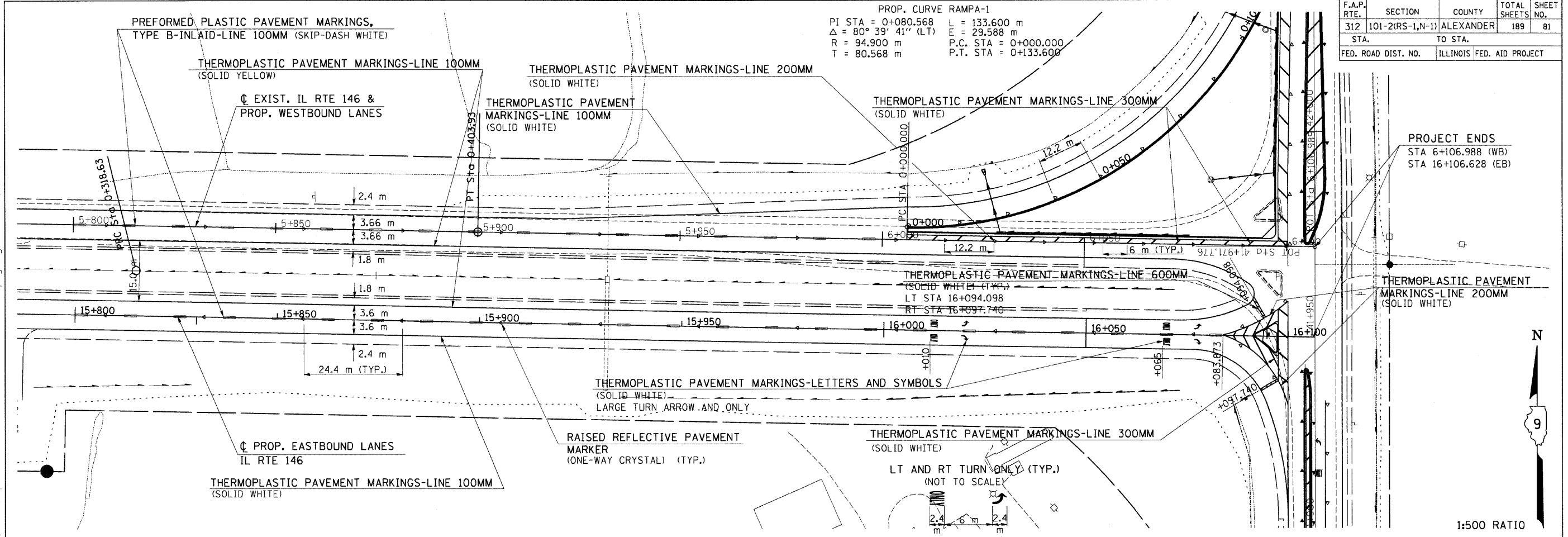


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 PAV18et\pw work\p\WIDDOT\KRRANZJC\dms39843\m02599aa.dgn LV=1-9,11,13-17,19-20,25-60
 PAV18et\pw work\p\WIDDOT\KRRANZJC\dms39843\m02599aa.dgn LV=1-63

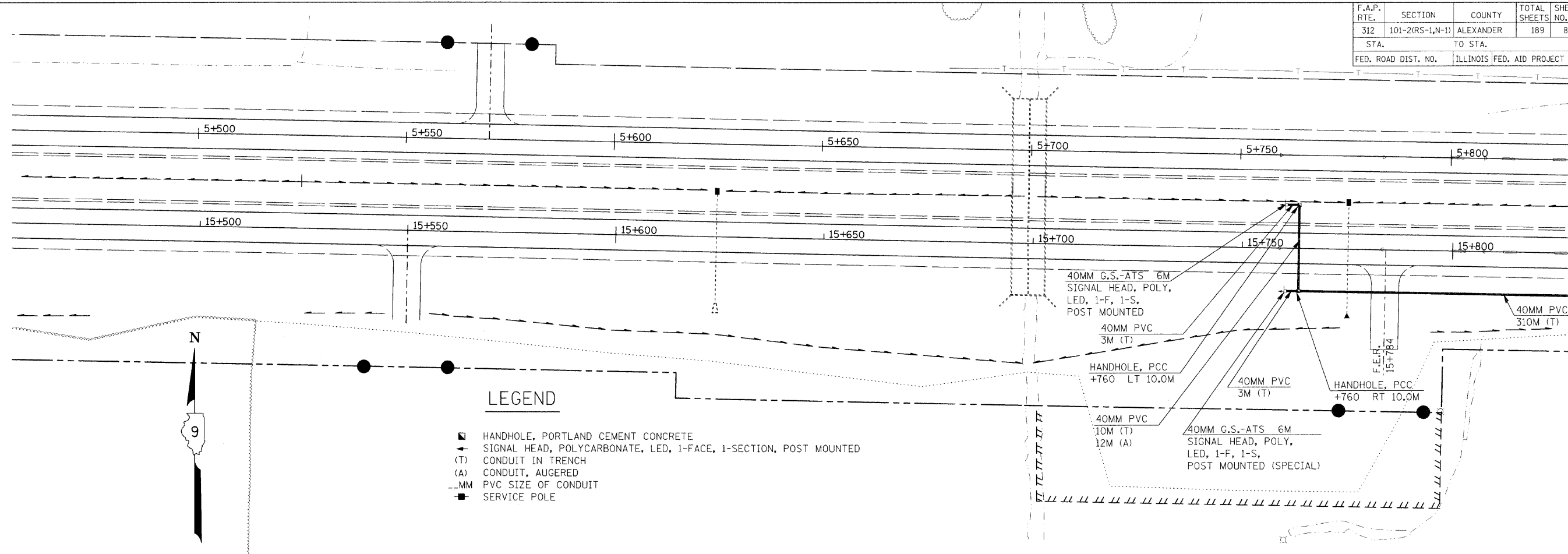


Monday, September 14, 2009 11:55:59 AM
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PAVE8.ctb
PAVE10.ctb
Monday, September 14, 2009 11:55:59 AM
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PAVE8.ctb
PAVE10.ctb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	81
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

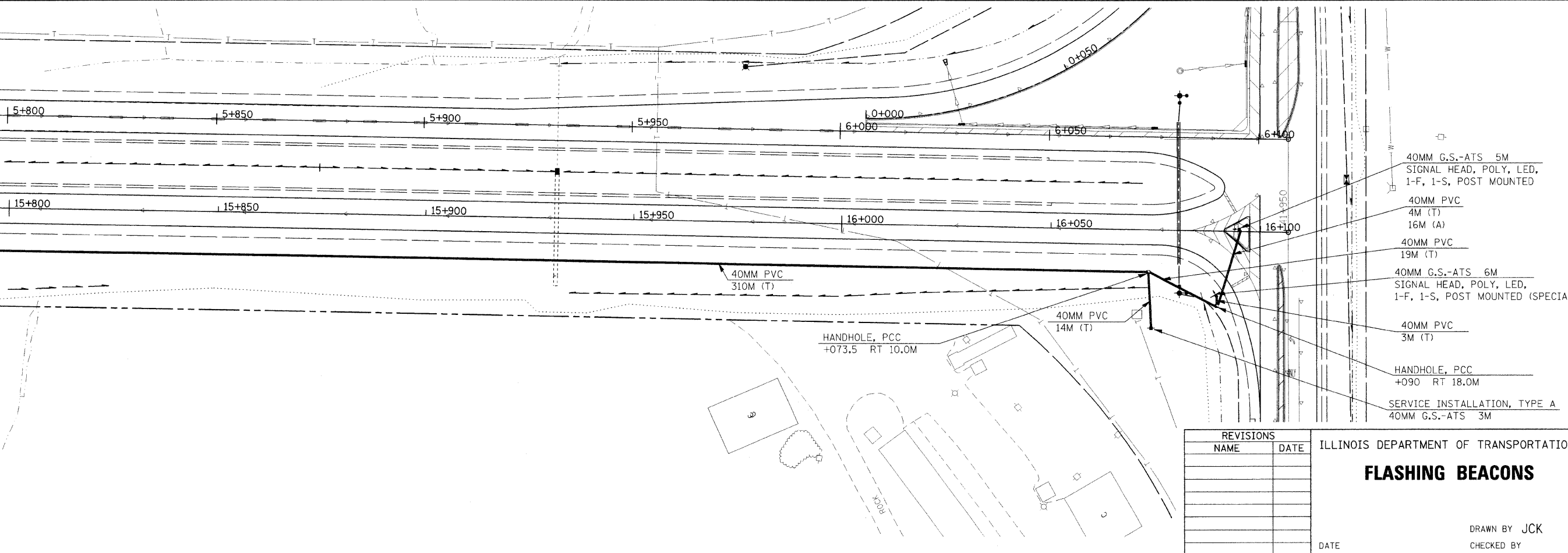


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	83
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- HANDHOLE, PORTLAND CEMENT CONCRETE
- ← SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED
- (T) CONDUIT IN TRENCH
- (A) CONDUIT, AUGERED
- MM PVC SIZE OF CONDUIT
- SERVICE POLE

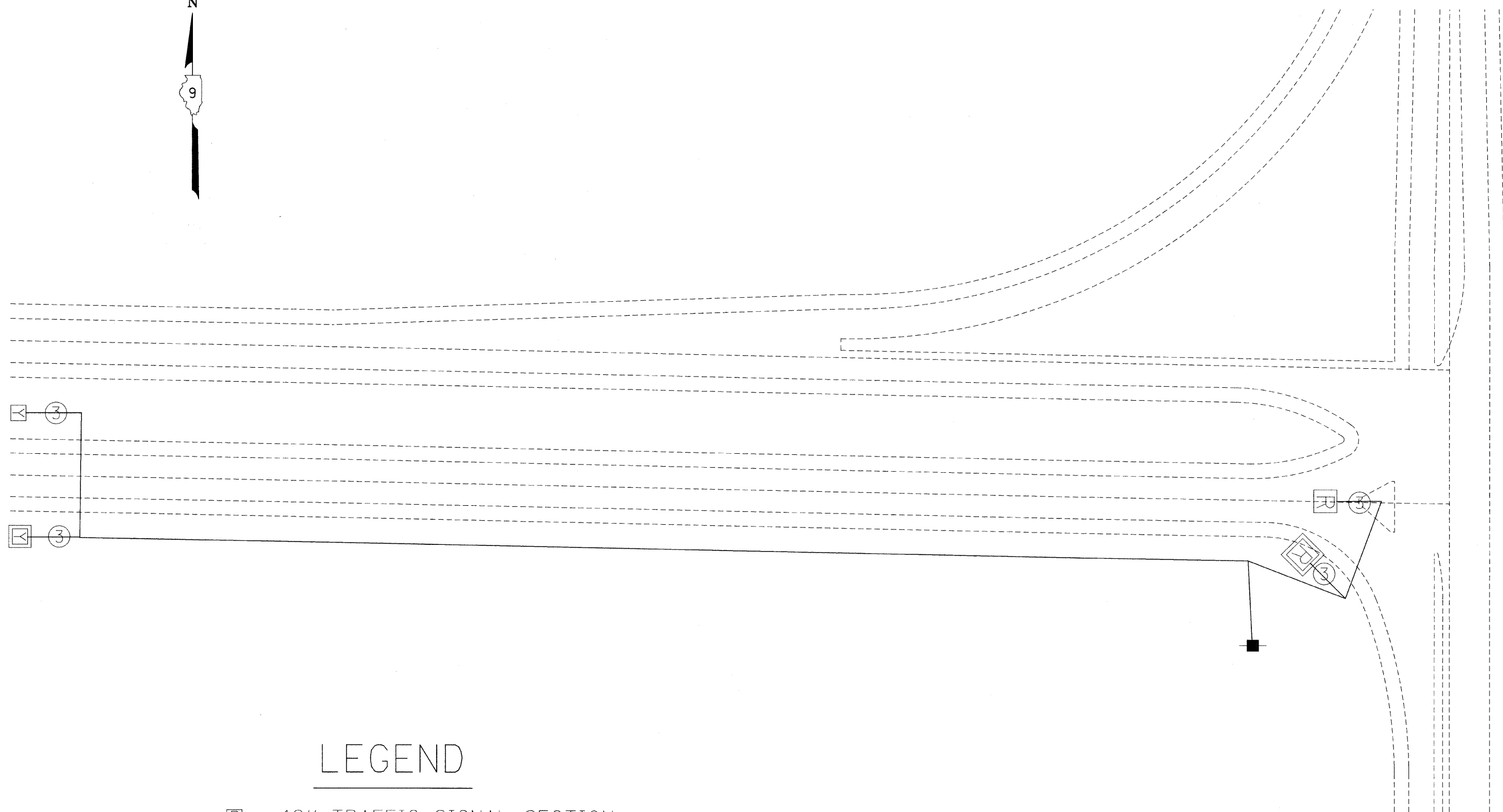


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FLASHING BEACONS
 DRAWN BY JCK
 CHECKED BY
 DATE

PLOT DATE = 9/14/2009
 FILE NAME = c:\pvc\csh\p1001\VRANZJC\dms43648\md2599e2-sohead.dgn
 PLOT SCALE = 12,7000' / IN.
 USER NAME = krenzjc

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	84
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- R 12" TRAFFIC SIGNAL SECTION
- R 12" TRAFFIC SIGNAL SECTION (SPECIAL)
- ELECTRICAL SERVICE
- 3 NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE

NOTES:

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED

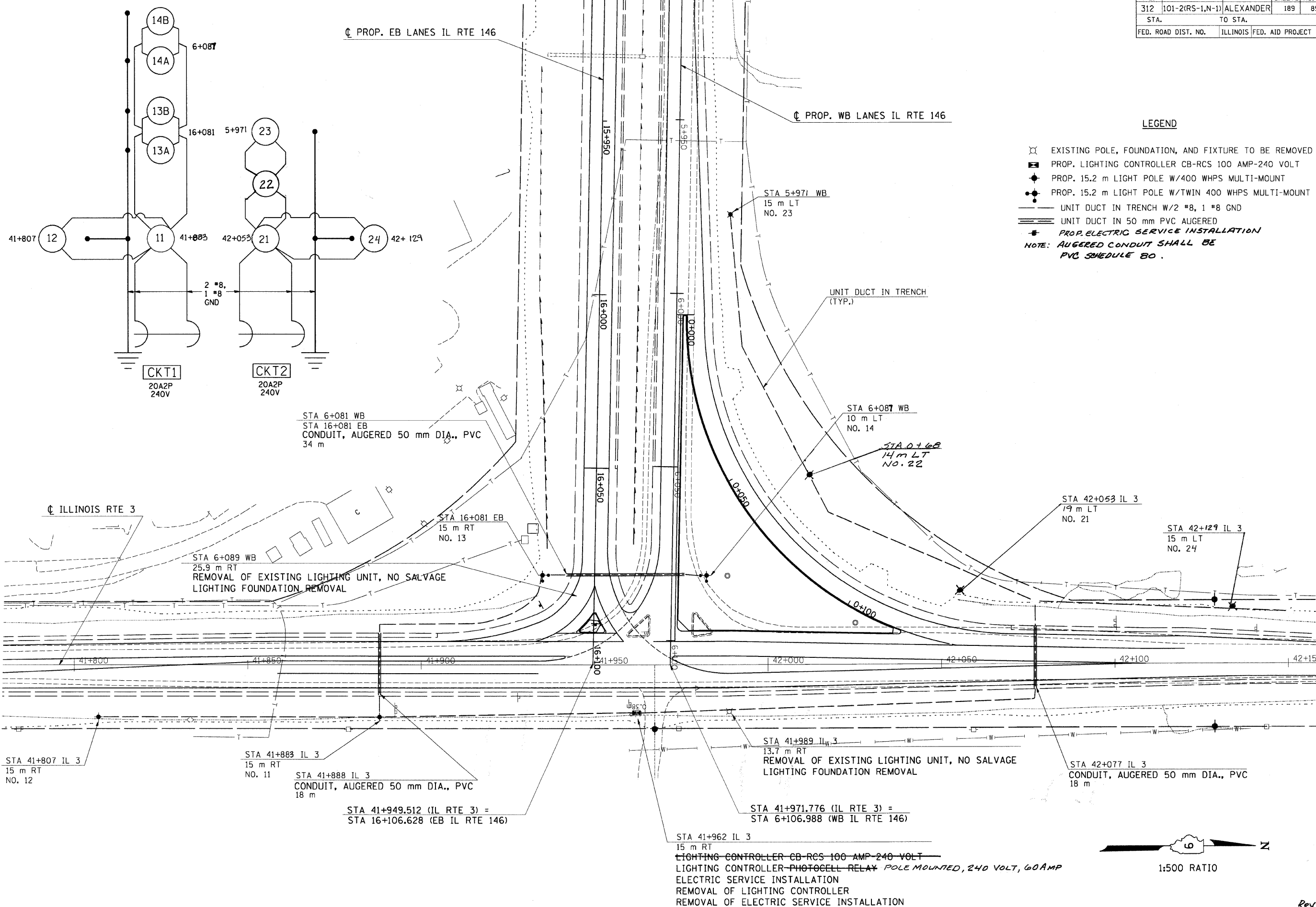
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

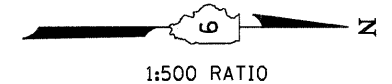
FLASHING BEACONS WIRING DIAGRAM

DATE _____ DRAWN BY JCK
CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- ⊗ EXISTING POLE, FOUNDATION, AND FIXTURE TO BE REMOVED
 - ⊠ PROP. LIGHTING CONTROLLER CB-RCS 100 AMP-240 VOLT
 - PROP. 15.2 m LIGHT POLE W/400 WHPS MULTI-MOUNT
 - ⊙ PROP. 15.2 m LIGHT POLE W/TWIN 400 WHPS MULTI-MOUNT
 - UNIT DUCT IN TRENCH W/2 #8, 1 #8 GND
 - ≡≡≡ UNIT DUCT IN 50 mm PVC AUGERED
 - ⚡ PROP. ELECTRIC SERVICE INSTALLATION
- NOTE: AUGERED CONDUIT SHALL BE PVC SCHEDULE 80.



LIGHTING INTERSECTION IL 146 /IL 3

Monday, September 14, 2009 @ 11:09:30 AM
 c:\pwworking\pwworking\KRANZJC\dms43640\pmpgeepi.dgn LV=2-45,47-63

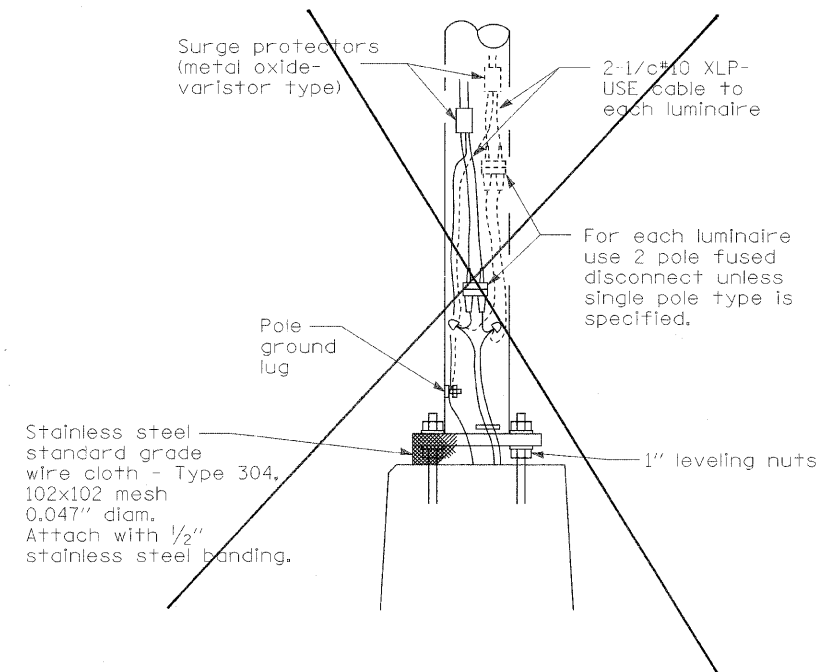
STA 41+962 IL 3
 15 m RT
 LIGHTING CONTROLLER CB-RCS 100 AMP-240 VOLT
 LIGHTING CONTROLLER-PHOTOCELL-RELAY POLE MOUNTED, 240 VOLT, 60AMP
 ELECTRIC SERVICE INSTALLATION
 REMOVAL OF LIGHTING CONTROLLER
 REMOVAL OF ELECTRIC SERVICE INSTALLATION

Rev

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	86
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
M8100860	CONDUIT, AUGERED 50MM DIA., PVC	METER	70
M8160220	UNIT DUCT, 2#8 XLP, 1#8 XLP GROUND 20MM POLYETHYLENE	METER	690
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	605
M8309140	LIGHT POLE, WEATHERING STEEL, 15.2M. M. H., TENON MOUNT	EACH	5
M8309145	LIGHT POLE, WEATHERING STEEL, 15.2M. M. H., TENON MOUNT - TWIN	EACH	2
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
82104000	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	10
82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1
83500357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	8
83800650	BREAKWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	32
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	2
84200804	REMOVAL OF POLE FOUNDATION	EACH	2
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1

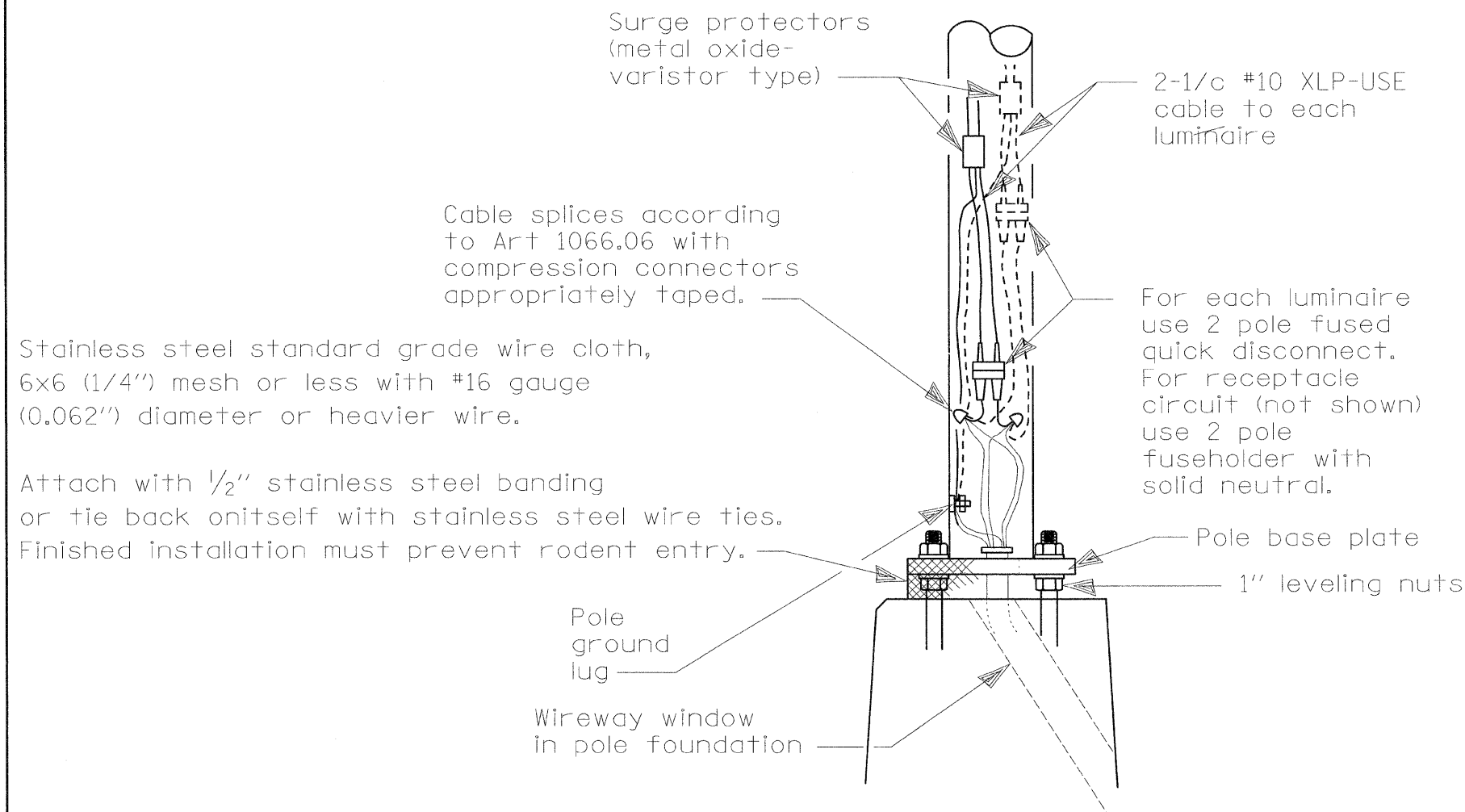


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BILL OF MATERIALS;
 POLE HANDHOLE
 WIRING**

SCALE: VERT. NONE
 HORIZ. DRAWN BY CNH
 DATE CHECKED BY

PLOT DATE = 3/5/2018
 FILE NAME = c:\nae\work\p\m\DOT_VIRANZ\JC\dms43640\wd02599e2.tup.dgn
 USER NAME = krc20j



WIRING DETAIL

NO SCALE

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

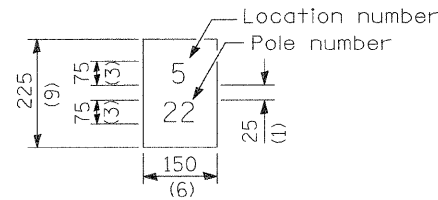
For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

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

Contract 78060

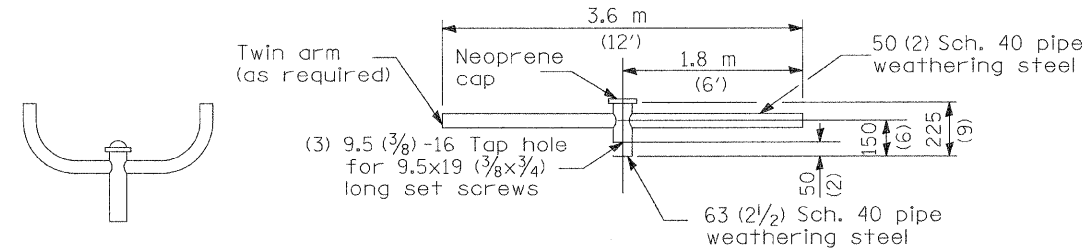
DRAFT COPY
not for distribution

DATE	REVISIONS	POLE HANDHOLE WIRING
7/31/08	Updated	
		DRAFT



The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

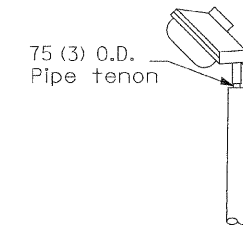
The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.



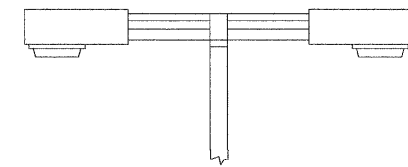
TWIN TENON

TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.

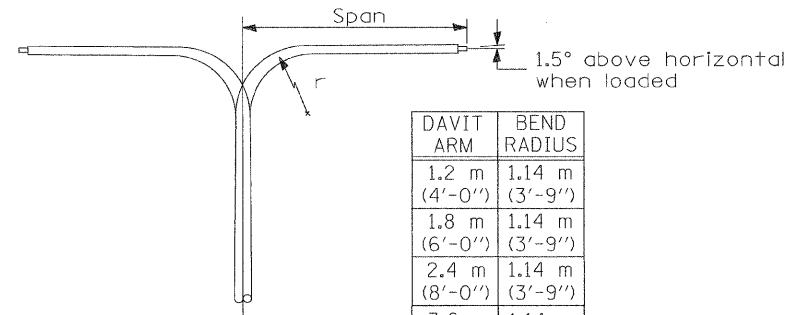


TENON



SHORT BRACKET

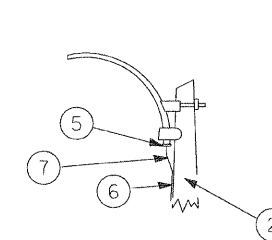
SHORT BRACKET - TWIN



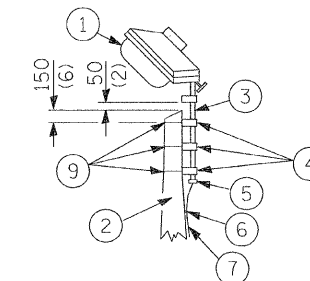
DAVIT ARM

DAVIT ARM-TWIN

DAVIT ARM	BEND RADIUS
1.2 m (4'-0")	1.14 m (3'-9")
1.8 m (6'-0")	1.14 m (3'-9")
2.4 m (8'-0")	1.14 m (3'-9")
3.6 m (12'-0")	1.14 m (3'-9")

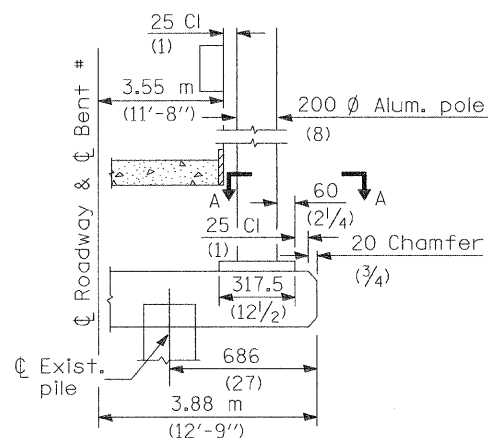


MAST ARM

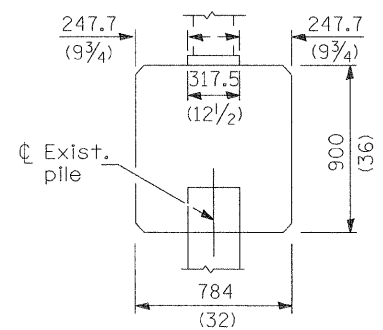


TENON

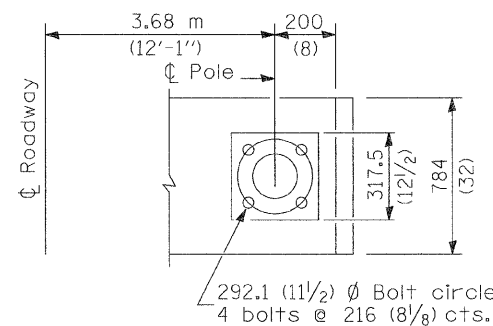
- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Conduit, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



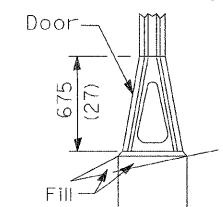
BENT #
(Looking)



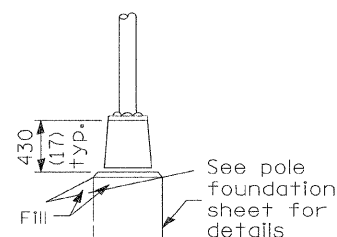
BRIDGE PIER MOUNT



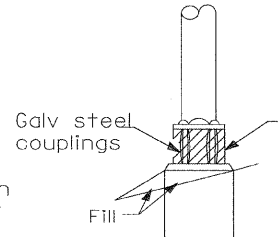
SECTION A-A



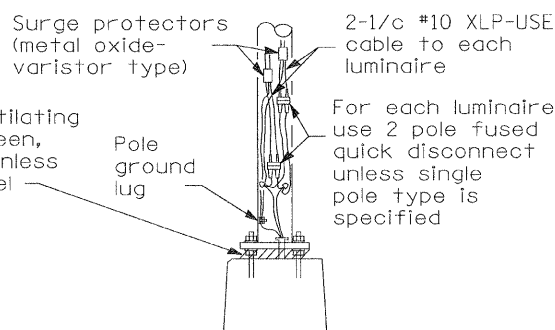
STAINLESS STEEL FLAIR BASE



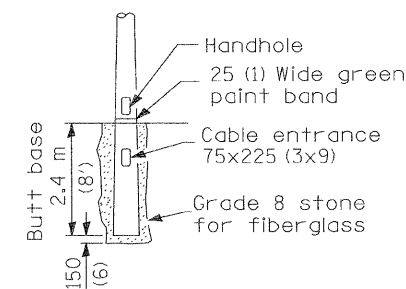
TRANSFORMER BASE



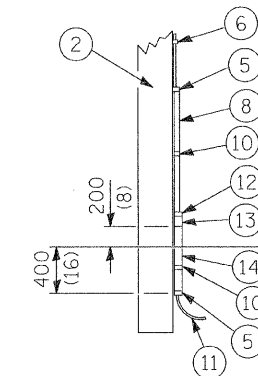
BREAKAWAY COUPLING



ANCHOR



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

Contract 78060

DRAFT COPY
not for distribution

FRANGIBLE

METAL OR CONCRETE

Details for underground distribution if required

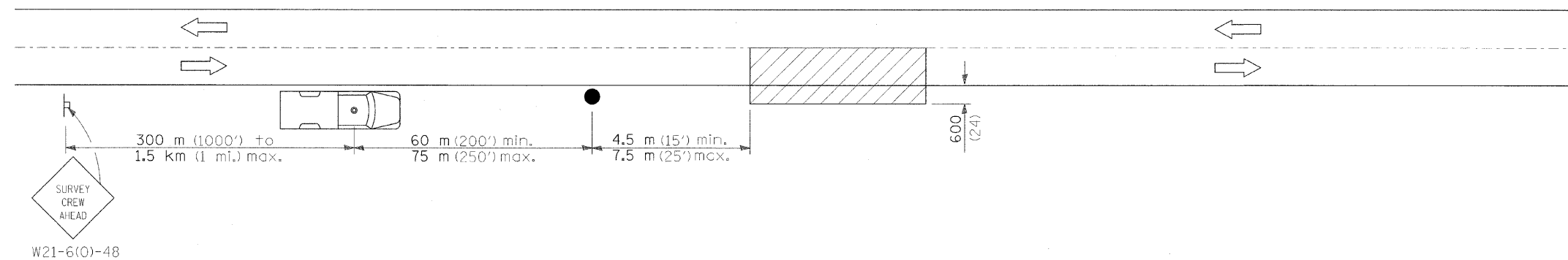
DATE	REVISIONS
	Corrected 6/24/09

POLE STANDARDS

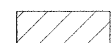
DRAFT

LGT008.M32

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	89
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



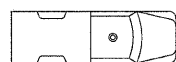
SYMBOLS



Work area



Sign on portable or permanent support



Truck with flashing amber light and dual emergency flashers



Flagger with traffic control sign

TYPICAL APPLICATIONS

Utility operations

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL FOR NIGHTTIME LIGHTING INSPECTION

SCALE: VERT. NONE
 HORIZ. DATE
 DRAWN BY CNH
 CHECKED BY

PLOT DATE = 01/14/2009
 FILE NAME = C:\pwork\101-2(RS-1,N-1)\PMDOT\KRNZ\IC\dm43648\mcd2595e24p.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = krenzjc

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - CONVENTIONAL

1/1/03

GIVEN CONDITIONS		
ROADWAY DATA:	Pavement Width	11 M
	Number Of Lanes	3
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	15.2 M
	Mast Arm Length	N/A
	Pole Set-Back From Edge Of Pavement	9 M
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	51000
	IES Vertical Distribution	L
	IES Control Of Distribution	NC
	IES Lateral Distribution	4
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	76 M
	Configuration	One Side
	Luminaire Overhang Over Edge Of Pavement Lane	-9 M

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{ave})	0.9 fc
	Uniformity Ratio, (E_{ave}/E_{min})	3.0
LUMINANCE:	Average Luminance: (L_{ave})	0.6 Cd/m^2
	Uniformity Ratios: (L_{ave}/L_{min})	3.5
	(L_{max}/L_{min})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{ave})	0.4

MS:cs:s:\gen\wpdocs\cks\luminaireperformancetable

GENERAL LIGHTING NOTES

5-07-2010

- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
- EXISTING LIGHT POLES AND FOUNDATIONS TO BE REMOVED, AND ALL ASSOCIATED HARDWARE AND APPURTENANCES, SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK" PAY ITEM.
- ALL PROPOSED LIGHT POLES TO BE INSTALLED AT A MINIMUM OF 5 METERS BEHIND THE EDGE OF PAVEMENT. NO POLES TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE MAINTAINED AS NEEDED AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

Contract 78060

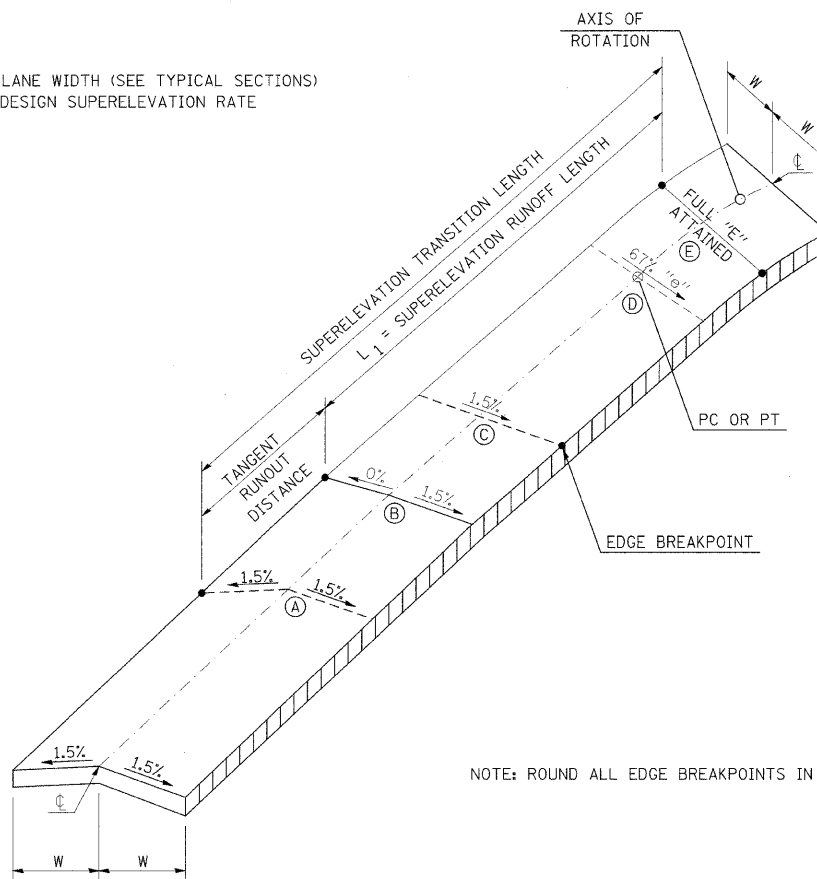
LUMINAIRE PERFORMANCE
SCHEDULE

GENERAL LIGHTING NOTES

FAP 312
SECTION 101-2(RS-1,N-1)
ALEXANDER COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(IRS-1,N-1)	ALEXANDER	189	91
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

W = LANE WIDTH (SEE TYPICAL SECTIONS)
E = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD.

ATTAINING SUPERELEVATION

ALIGNMENT	CURVE NAME FULL SUPER. RATE	STA. (A)		STA. (B)		STA. (C)		STA. (D)		STA. (E)	
		LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.
IL 146	CURVE 1										
	CURVE 2	12+688.75	12+702.75	12+716.15	12+729.551	12+742.75					
		-1.5%	-1.5%	-1.5%	0.0%	-1.5%	+1.5%	-3.0%	+3.0%	-4.5%	+4.5%
	CURVE 3			NO SUPERELEVATION REQUIRED							
	CURVE 4			NO SUPERELEVATION REQUIRED							
DETOUR ROAD	CURVE 5	0.000		0+070.3							
		-1.5%	-1.5%			+1.5%	-1.5%				
	CURVE 6							0+085.3	0+100.3		
								0.0%	0.0%	-1.5%	+1.5%
	CURVE 7										
	CURVE 8							0+318.63	0+333.63		
								0.0%	0.0%	+1.5%	-1.5%

REMOVING SUPERELEVATION

ALIGNMENT	CURVE NAME FULL SUPER. RATE	STA. (E)		STA. (D)		STA. (C)		STA. (B)		STA. (A)	
		LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.	LT.	RT.
IL 146	CURVE 1			12+635.55	12+641.551	12+653.55	12+667.55				
				+1.5%	-2.0%	+1.5%	-1.5%	0.0%	-1.5%	-1.5%	-1.5%
	CURVE 2	12+818.50	12+831.702	12+844.6	12+858.50	12+872.50					
		-4.5%	+4.5%	-3.0%	+3.0%	-1.5%	+1.5%	-1.5%	0.0%	-1.5%	-1.5%
	CURVE 3			NO SUPERELEVATION REQUIRED							
	CURVE 4			NO SUPERELEVATION REQUIRED							
DETOUR ROAD	CURVE 5	0+070.3		0+085.3							
		+1.5%	-1.5%	0.0%	0.0%						
	CURVE 6										
	CURVE 7	0+333.63		0+318.63							
		-1.5%	+1.5%	0.0%	0.0%						
	CURVE 8					0+333.63				0+403.93	
						+1.5%	-1.5%			-1.5%	-1.5%

USED ON PREVIOUS CONTRACT

PLOT DATE = 9/14/2009
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USER NAME = hrenzjg

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

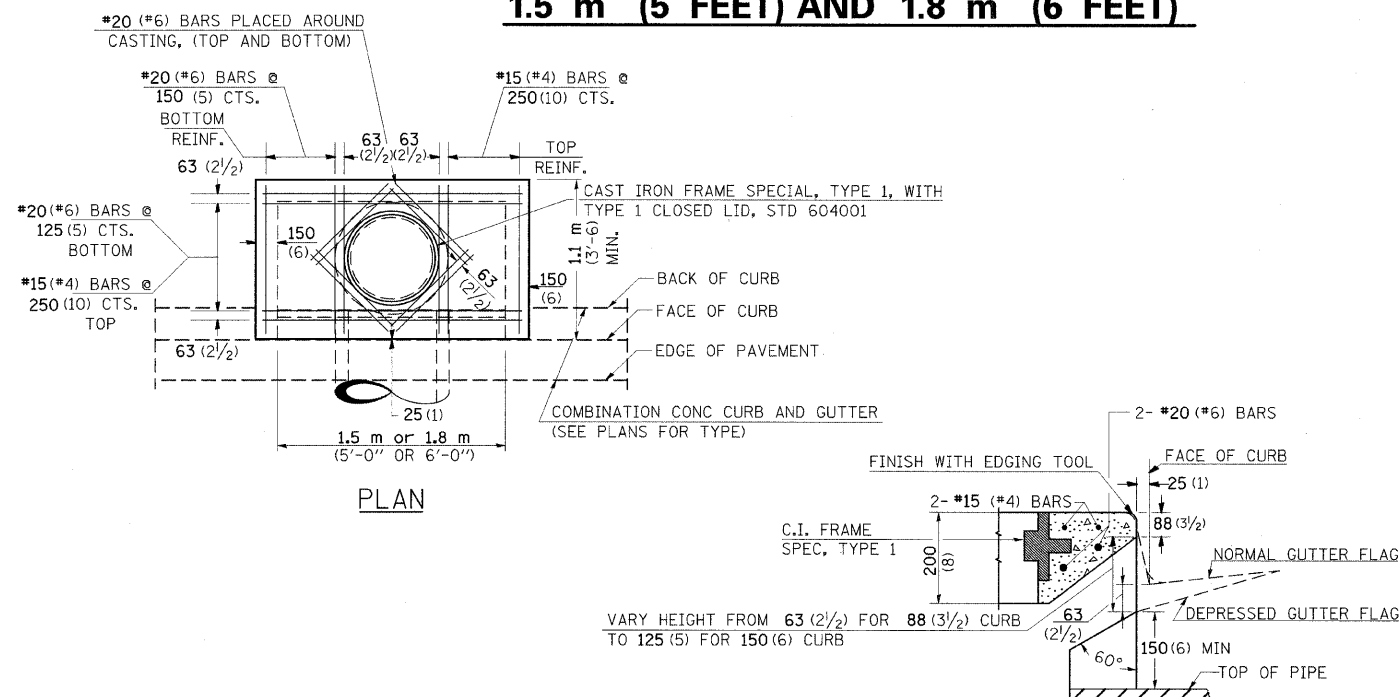
**SUPERELEVATION
TRANSITION
DETAILS**

SCALE: VERT. NONE
HORIZ.

DRAWN BY CNH
CHECKED BY

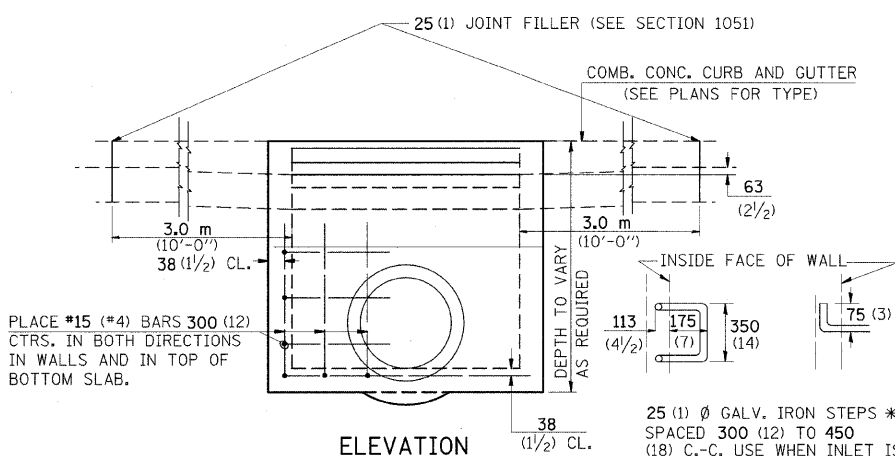
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	92
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DETAILS OF INLET SPECIAL, TYPE 3, 1.5 m (5 FEET) AND 1.8 m (6 FEET)



PLAN

SECTION AT WEIR



ELEVATION

TABLE OF DIMENSIONS

DESIGN	PIPE * DIA.	D
A	450 (18) & LESS	750 (2'-6")
B	525 (21) & 600 (24)	900 (3'-0")
C	675 (27) & 750 (30)	1.07 m (3'-7")
D	825 (33) & 900 (36)	1.25 m (4'-2")
E	1.05 m (42)	1.43 m (4'-9")
F	1.2 m (48)	1.5 m (5'-0")
G	1.35 m (54)	1.83 m (6'-1")

* WHEN PIPE ENTERS FROM SIDE WALL OTHERWISE D= 750 (30) MINIMUM

NOTES:

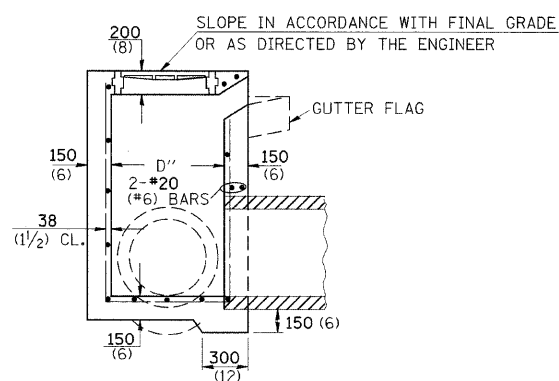
PROVIDE 1/2" CLEARANCE TYP. ALL REINFORCEMENT UNLESS OTHERWISE SPECIFIED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 25 (1) BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 63 (2 1/2) BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 3.0 m (10 FEET) EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 1.5 m (5 FEET) OR INLET, SPECIAL, TYPE 3, 1.8 m (6 FEET) WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

**THE GALVONIZED IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN. MAY BE USED WHEN APPROVED BY THE ENGINEER.

IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT POLICY MEMORANDUM, "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS".



SECTION

NOTE TO DESIGNER:

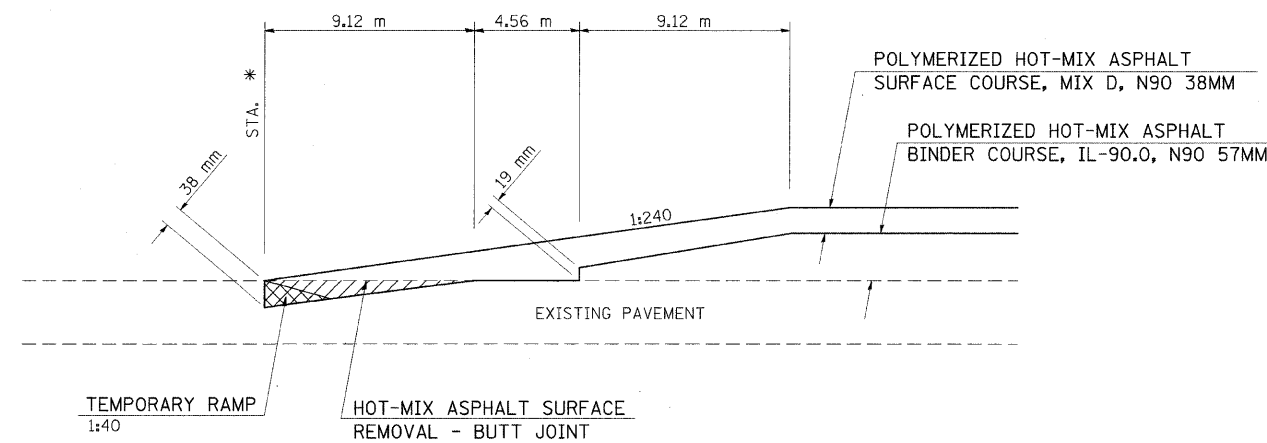
WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

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

STD. 9-1

REVISIONS	DATE
REDESIGNED	2-15-88
REVISED	6-15-94
REVISED	1-19-99
REVISED	5-6-04

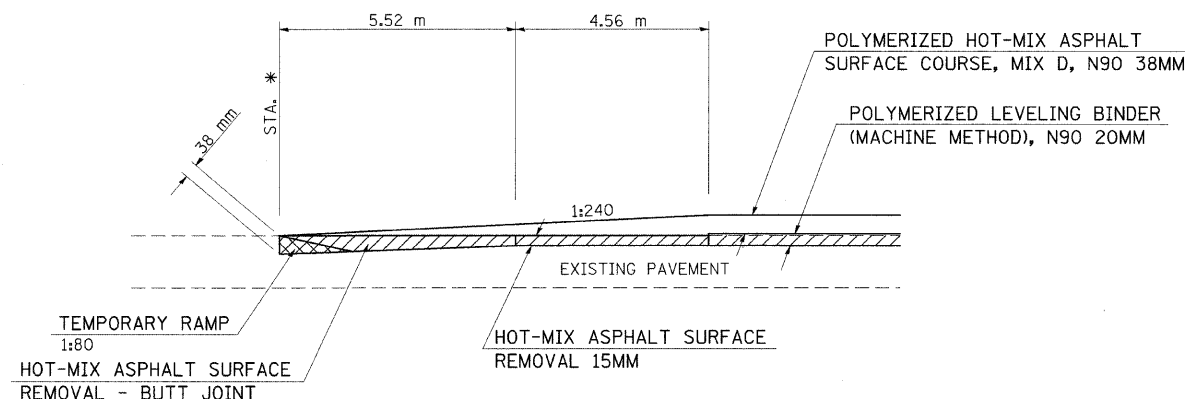
BUTT JOINT



*** TO BE USED:**

STA. 41+623.582 IL 3
STA. 42+225 IL 3

BUTT JOINT



*** TO BE USED:**

STA. 12+539.4 IL 146

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

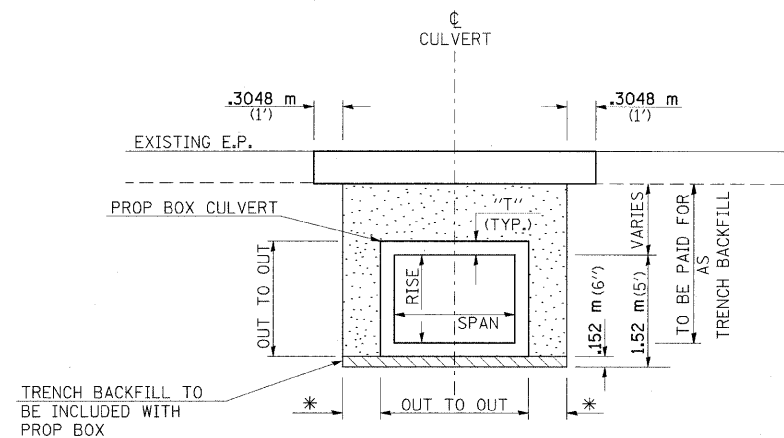
DETAILS:
INLET SPECIAL, TYPE 3, 1.5 m(5') AND 1.8 m(6');
BUTT JOINTS

SCALE: VERT. NONE
HORIZ. DATE

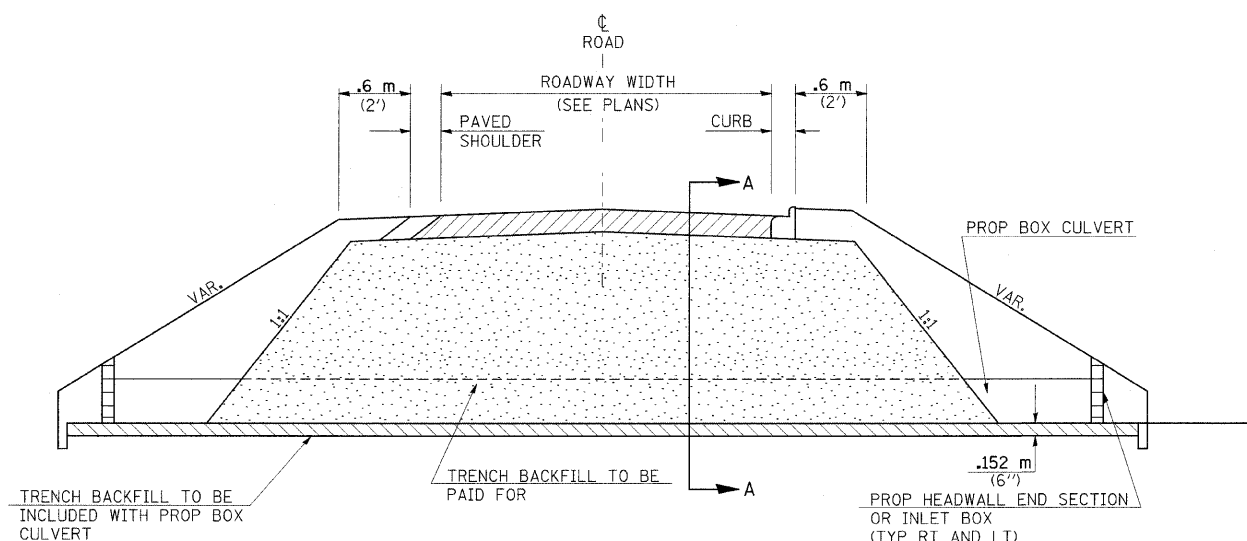
DRAWN BY CNH
CHECKED BY

PLOT DATE = 9/14/2009
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USER NAME = krenz.jp

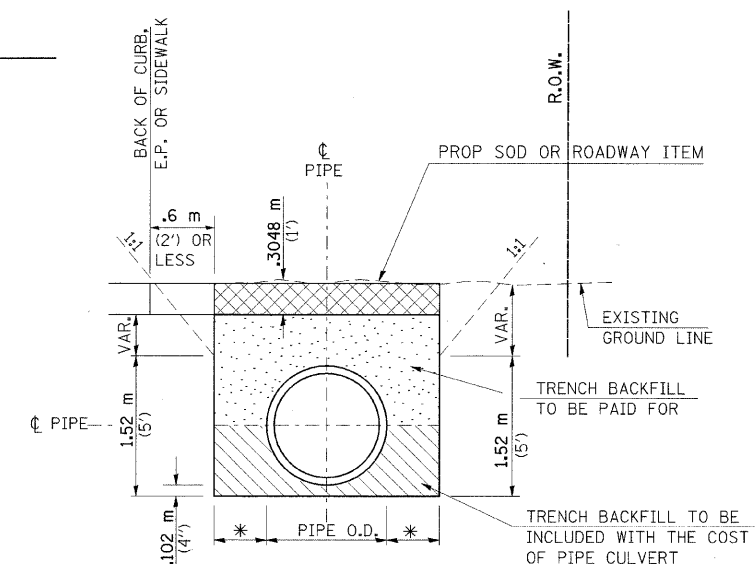
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	93
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



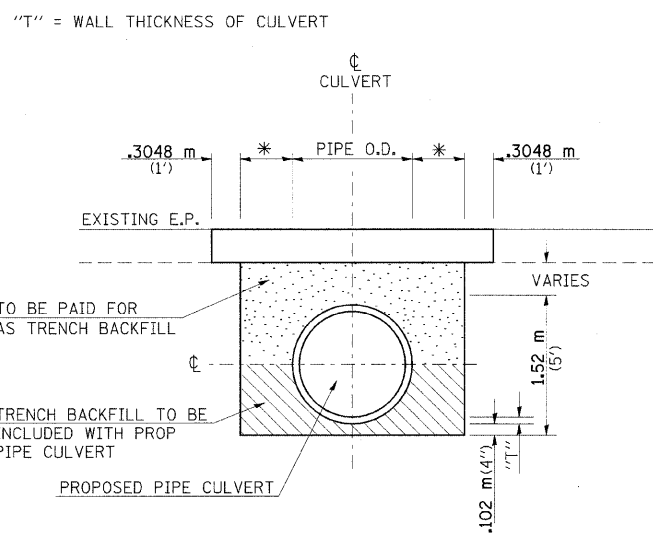
SECTION A-A: PROPOSED BOX
TRENCH DEPTH GREATER THAN 1.52 m (5')
SHORING REQUIRED



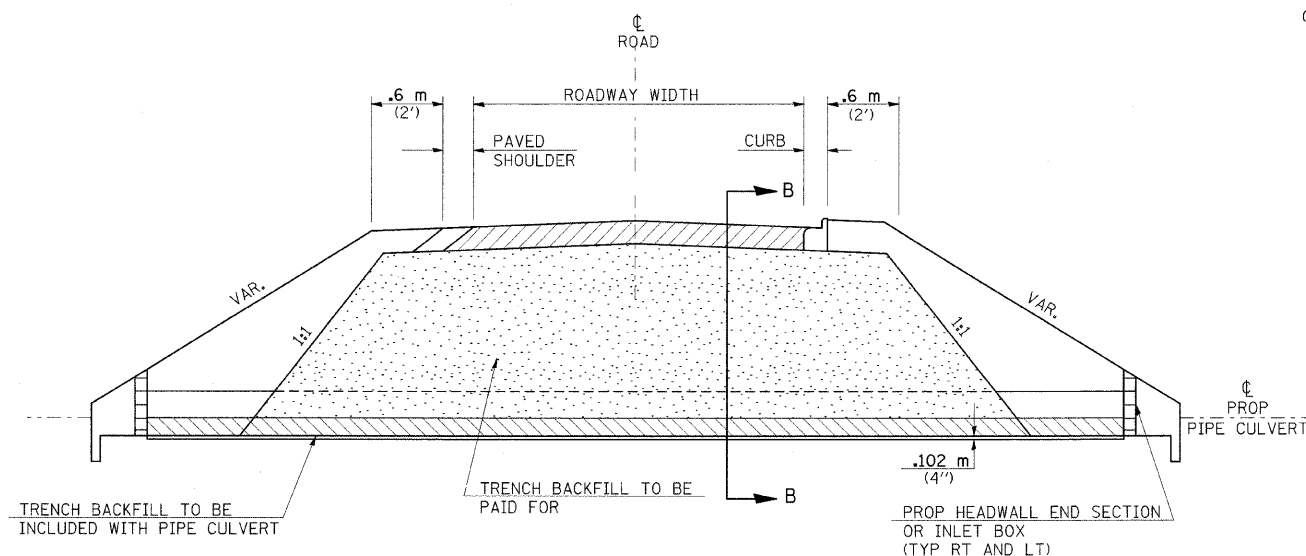
PROFILE SECTION THRU BOX CULVERT ACROSS ROADWAY



SECTION OF TRENCHES NEAR EDGE OF PAVEMENT



SECTION B-B: PROPOSED PIPE CULVERT
TRENCH DEPTH GREATER THAN 1.52 m (5')
SHORING REQUIRED



PROFILE SECTION THRU PIPE CULVERT ACROSS ROADWAY

* .229 m (9") + PIPE OD + .229 m (9") WHEN TRENCH DEPTH ≤ 1.52 m (5').
 .457 m (18") + PIPE OD + .457 m (18") WHEN TRENCH DEPTH > 1.52 m (5').

PLOT DATE = 9/14/2009
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

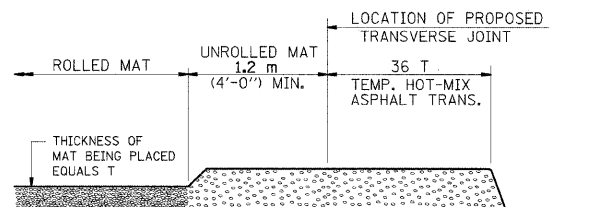
**DETAILS:
TRENCH BACKFILL**

SCALE: VERT. NO SCALE
 HORIZ. DATE

DRAWN BY CNH
 CHECKED BY

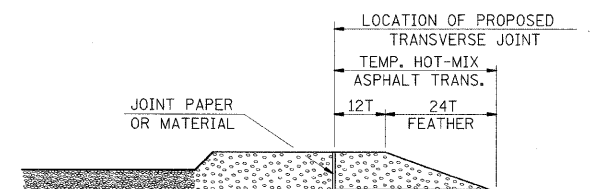
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	94
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



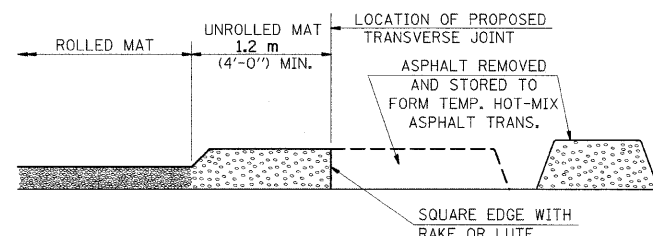
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 1.2 m (4'-0") OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.

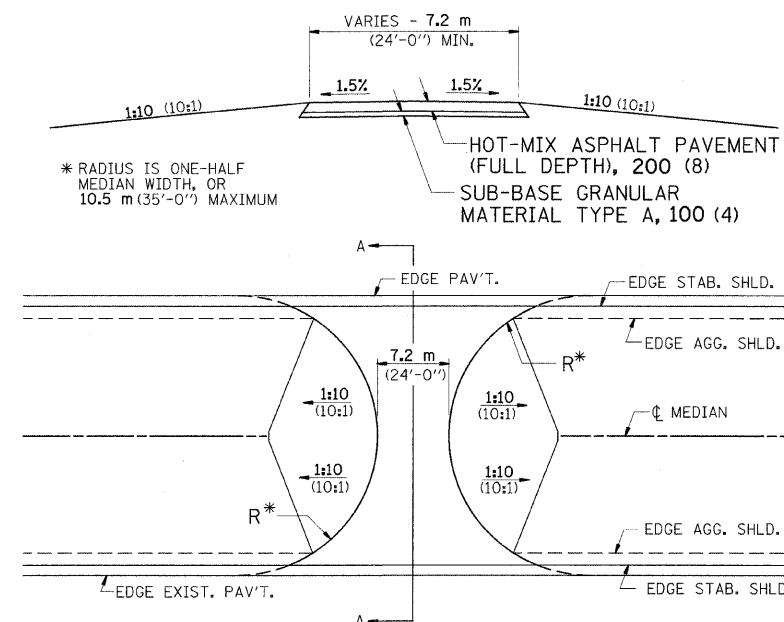
STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCIDENTAL TO THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE HOT-MIX ASPHALT MATERIAL BEING PLACED.

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

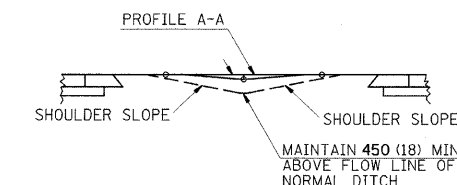
REVISIONS	
REDRAWN	2-15-89
REVISED	9-15-93
REVISED	8-16-94
REVISED	2-26-97

DETAIL OF PROPOSED MEDIAN CROSSOVER



NOTE:

THE PROPOSED CROSSOVER SURFACE SHALL BE BUTTED TO THE EDGE OF THE STABILIZED SHOULDER. EARTHWORK SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.



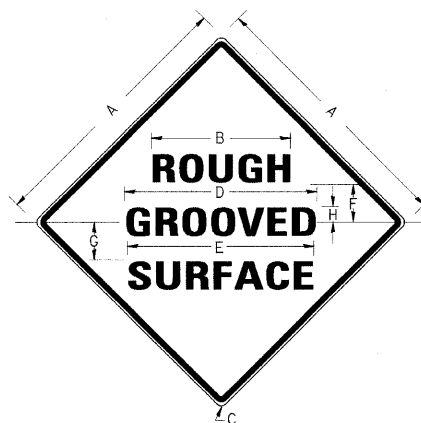
TO BE USED:

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

REVISIONS	
DRAWN	8-30-89
REVISED	9-28-93
REVISED	3-19-97
REVISED	3-19-97

MODIFIED STD. 9M-55

ILLINOIS STANDARD W8-I106



COLORS:

LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1.2 m x 1.2 m (48x48)	1.2 m (48.0)	603 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1.2 m x 1.2 m (48x48)	7C	7C	7C	(0.8)	(1.2)	B4-48D

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

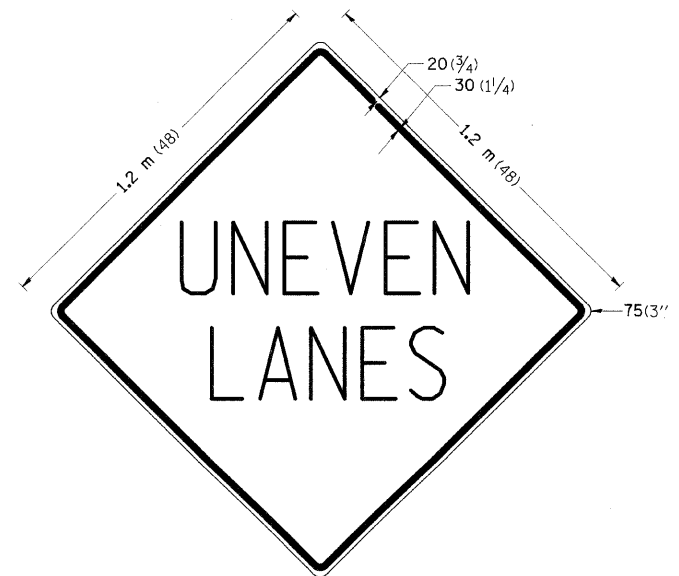
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	9-22-93
REVISED	3-11-97

STD. 9M-39

UNEVEN LANES SIGN W8-11 1.2 m X 1.2 m (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-6-93
REVISED	7-23-04
REVISED	8-10-07

MODIFIED STD. 9M-41

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS:
TEMPORARY HOT-MIX ASPHALT TRANSITIONS;
ILLINOIS STANDARD (W8-I106);
PROPOSED MEDIAN CROSSOVER
UNEVEN LANES SIGN (W8-11)

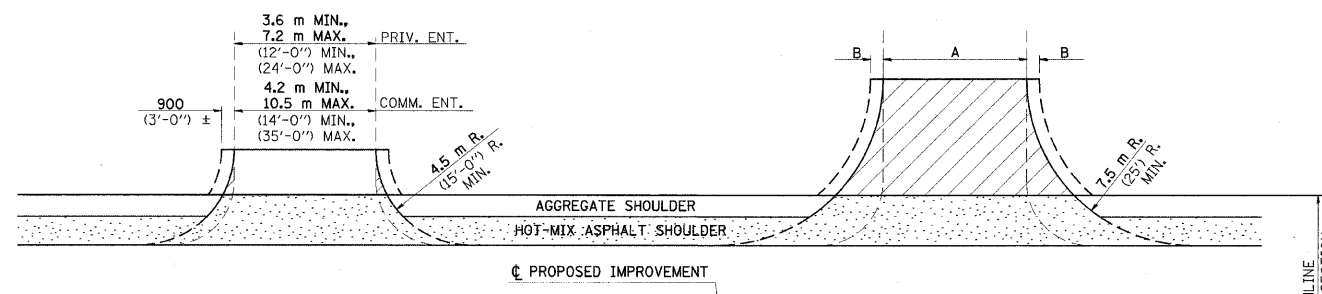
SCALE: VERT. NONE
HORIZ.
DATE

DRAWN BY CNH
CHECKED BY

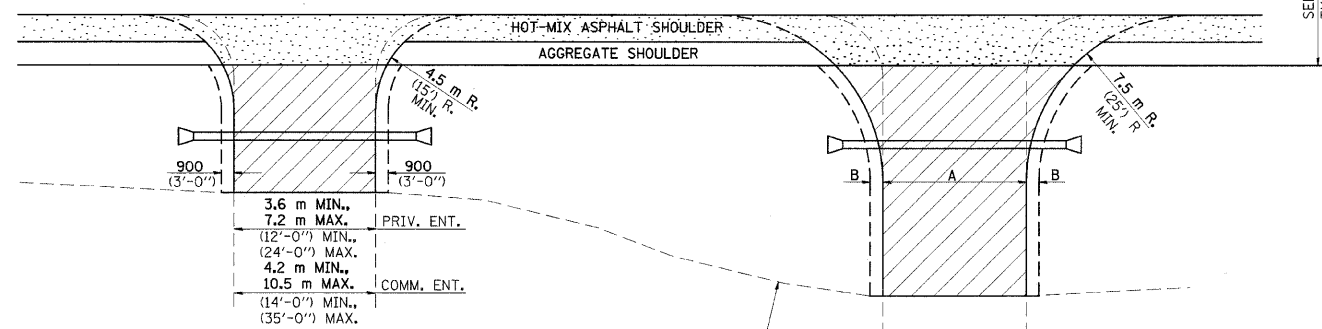
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	95
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

RURAL SIDE APPROACH DETAILS

PRIVATE AND COMMERCIAL ENTRANCES



SIDEROADS



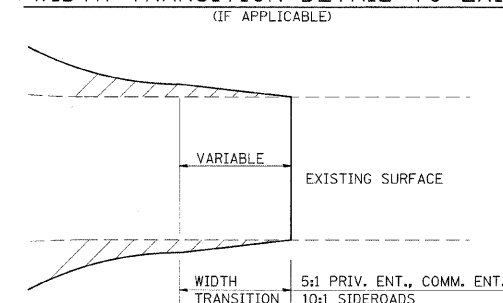
PRIVATE AND COMMERCIAL ENTRANCES (PROPOSED CULVERT)

SIDEROADS (PROPOSED CULVERT)

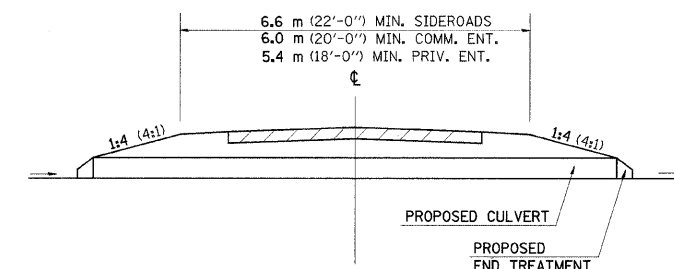
SIDEROAD DIMENSIONS (MIN.)

ADT	A (FT.)	B (FT.)
0 TO 250	5.4 m (18'-0")	600 (2'-0")
250 TO 400	6.0 m (20'-0")	600 (2'-0")
GREATER THAN 400	6.6 m (22'-0")	1.2 m (4'-0")

WIDTH TRANSITION DETAIL TO EXISTING



DETAIL FOR CALCULATING CULVERT LENGTH



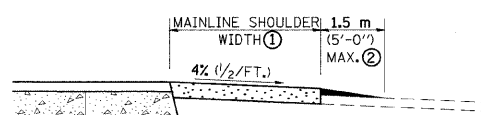
LEGEND

- CONSTRUCT HOT-MIX ASPHALT AND AGGREGATE SHOULDERS THROUGH FIELD ENTRANCES. IF A PIPE IS REQUIRED, PROVIDE A 6.6 m (22'-0") WIDE EARTH EMBANKMENT WITH 4.5 m (15'-0") RADII AT THE INTERSECTION.
- IF REQUIRED, AGGREGATE TAPER FOR EXISTING GRAVEL SURFACE; HOT-MIX ASPHALT TAPER FOR EXISTING HIGHER TYPE SURFACES.
- 150 (6) AGGREGATE SURFACE COURSE FOR EXISTING GRAVEL SURFACE; 50 (2) HOT-MIX ASPHALT RESURFACING ON 100 (4) AGGREGATE BASE COURSE FOR EXISTING HOT-MIX ASPHALT SURFACE; PCC DRIVEWAY PAVEMENT [150 (6) - PE; 175 (7) - CE] FOR EXISTING CONCRETE SURFACE.
- 75 (3) MINIMUM HOT-MIX ASPHALT RESURFACING ON 200 (8) MINIMUM AGGREGATE BASE COURSE FOR EXISTING GRAVEL SURFACE OR OIL & CHIP SURFACE; MATCH EXISTING FOR EXISTING HIGHER TYPE SURFACES.

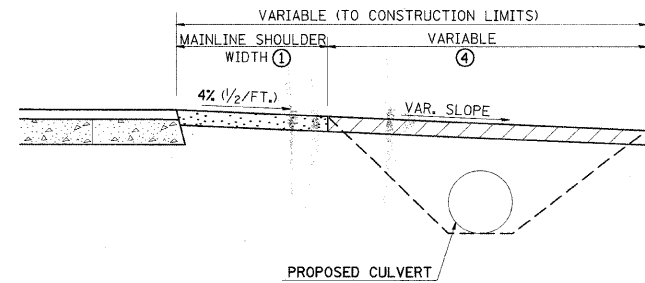
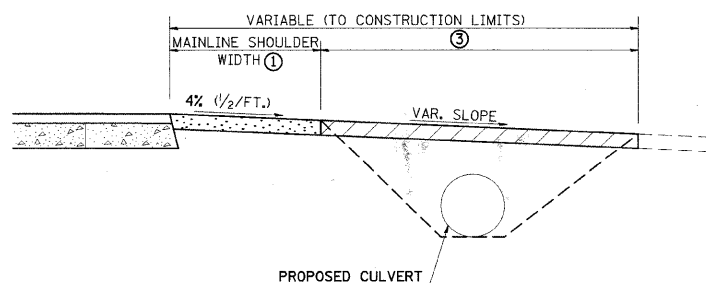
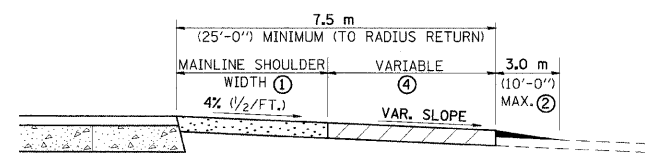
GENERAL NOTES

- ENTRANCE LOCATIONS ARE TO COMPLY WITH IDOT'S POLICY "ACCESS TO STATE HIGHWAYS".
- IN GENERAL, RELOCATED PRIVATE ENTRANCES ARE TO HAVE A 4.8 m (16'-0") WIDE SURFACE WITH 900 (3'-0") WIDE SHOULDERS [6.6 m (22'-0") WIDE EMBANKMENT].
- SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDEROADS. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.
- ENTRANCE PIPE CULVERTS ARE TO BE A MINIMUM 375 (15) DIAMETER AND NORMALLY REPLACED IN KIND; SIDEROAD PIPE CULVERTS ARE GENERALLY TO BE CONCRETE [450 (18) MINIMUM DIAMETER].
- THE INTERSECTION RADII OF SIDEROADS CONSTRUCTED TO FULL POLICY STANDARDS SHOULD COMPLY WITH THAT NOTED IN THE BUREAU OF LOCAL ROADS MANUAL (CHAPTER 13)

PRIVATE AND COMMERCIAL ENTRANCES



SIDEROADS



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

REVISIONS

REVISED	15-15-92
REVISED	10-18-93
REVISED	3-24-97
REVISED	1-25-00
REVISED	8-9-07
STD.	9M-83

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL: RURAL SIDE APPROACH

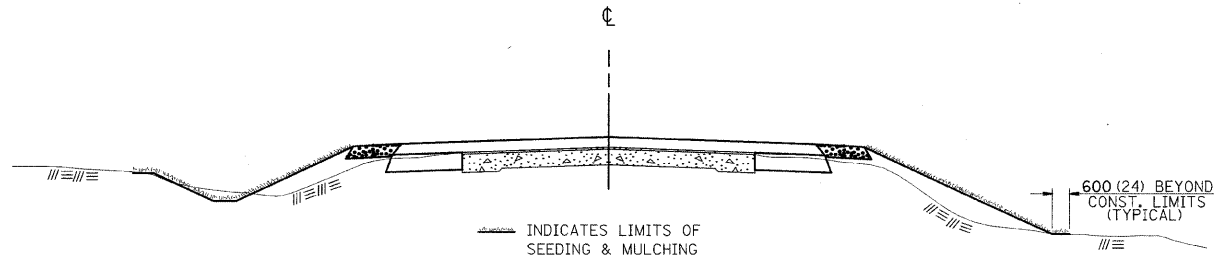
SCALE: VERT. NONE
 HORIZ.
 DATE

DRAWN BY CNH
 CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	96
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEEDING & MULCHING



INDICATES LIMITS OF SEEDING & MULCHING

GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDDED AREAS.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

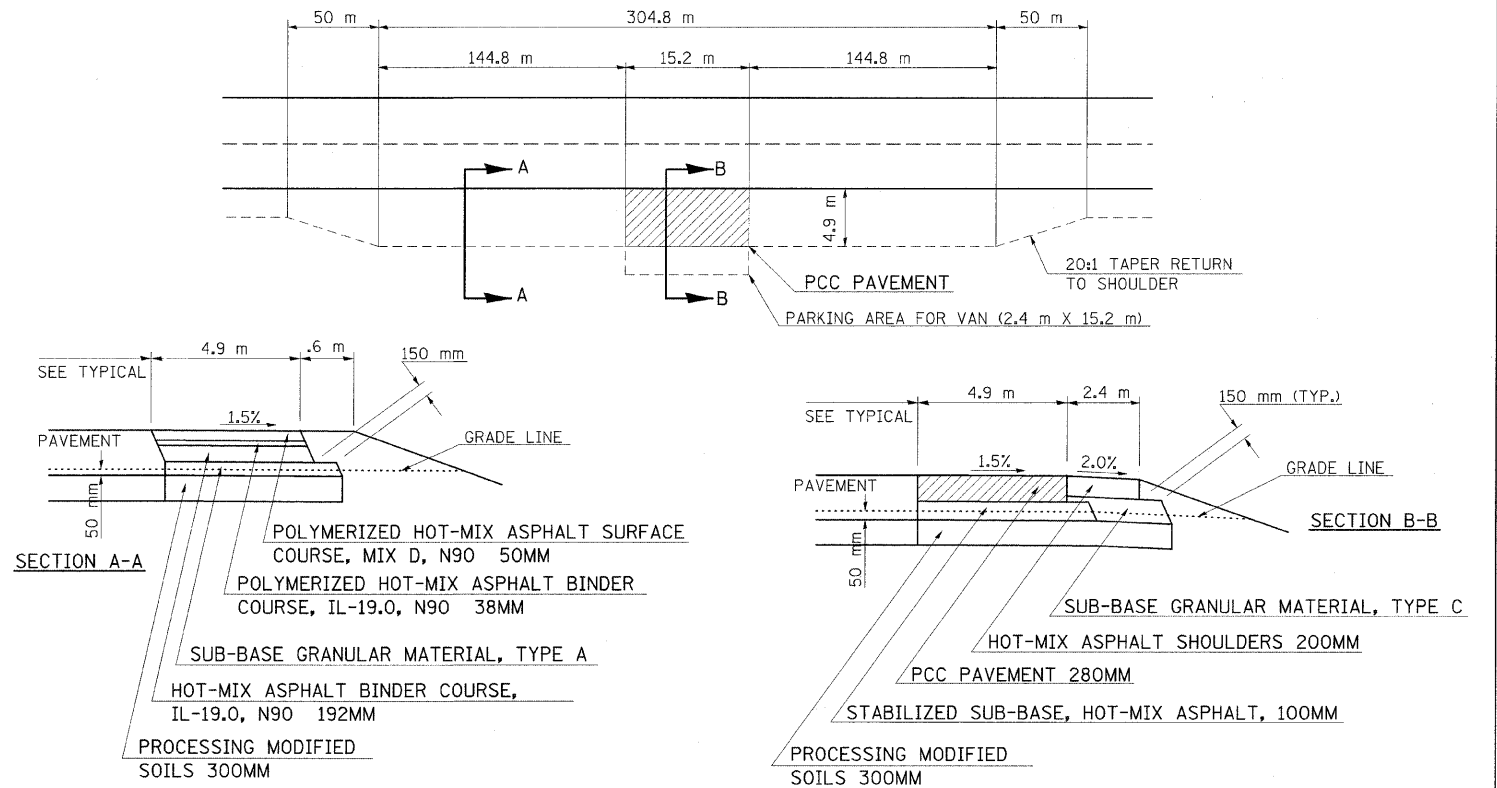
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	9-13-93
REVISED	8-15-94
REVISED	2-24-97

STD. 9M-12

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

PORTABLE SCALE TURNOUT

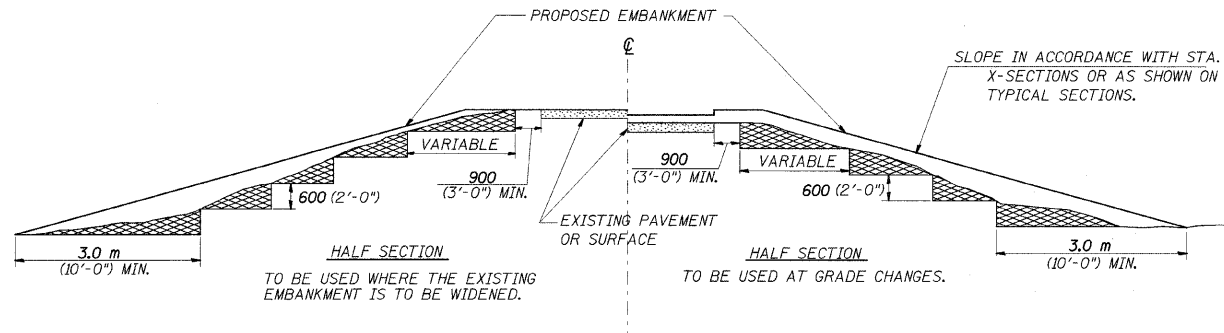


SECTION A-A

SECTION B-B

PROCESSING MODIFIED SOILS 300MM

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



HALF SECTION TO BE USED WHERE THE EXISTING EMBANKMENT IS TO BE WIDENED.

HALF SECTION TO BE USED AT GRADE CHANGES.

MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	9-14-93
REVISED	8-16-94
REVISED	2-25-97

STD. 9M-16

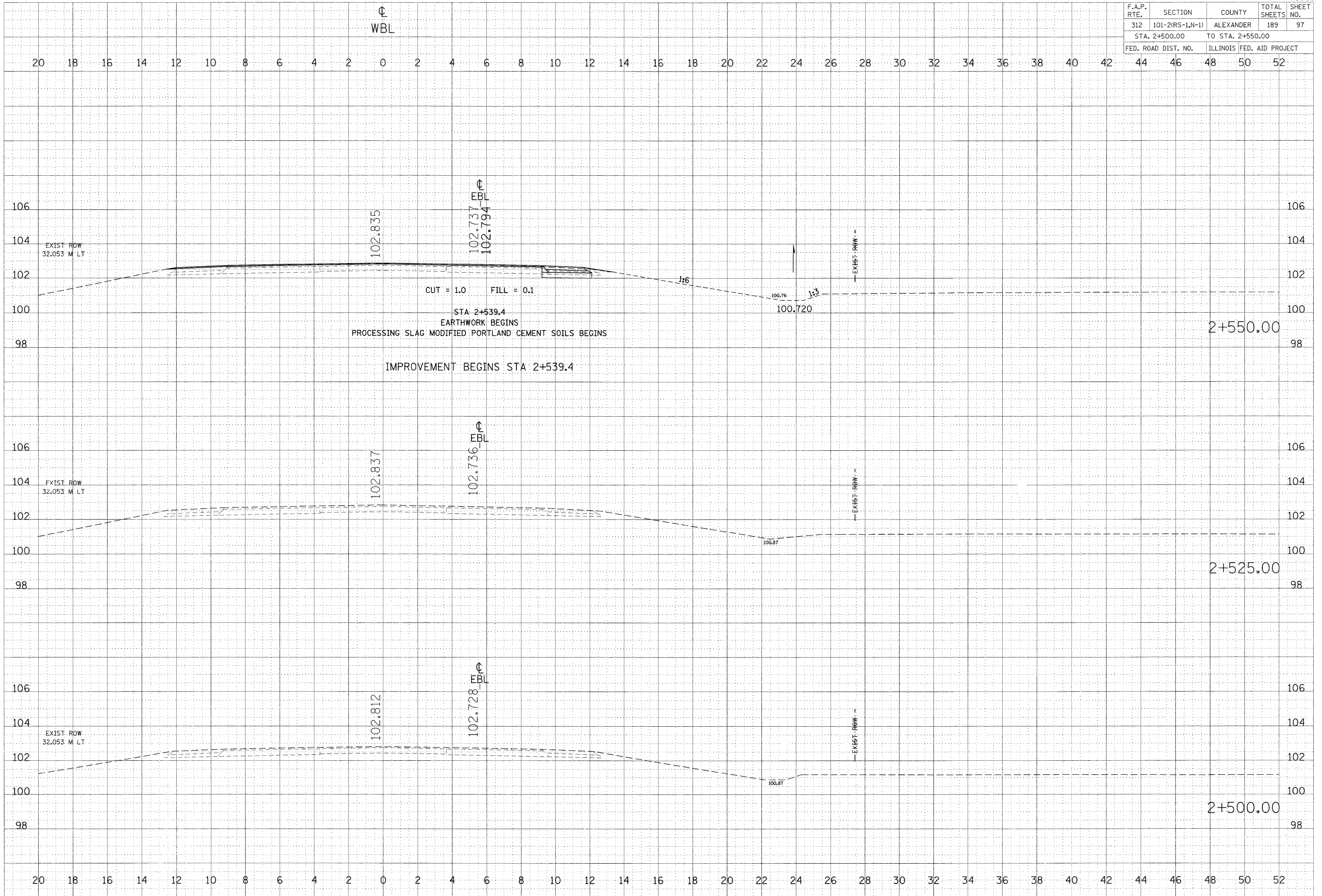
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS:
SEEDING & MULCHING; TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL; PORTABLE SCALE TURNOUT
 SCALE: VERT. NONE
 HORIZ.
 DATE
 DRAWN BY CNH
 CHECKED BY

PLOT DATE = 9/14/2009
 FILE NAME = c:\p1001\p1001\KRRANZ\c:\p1001\43648\m08259922\up.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = krenz.jp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	97
STA. 2+500.00		TO STA. 2+550.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

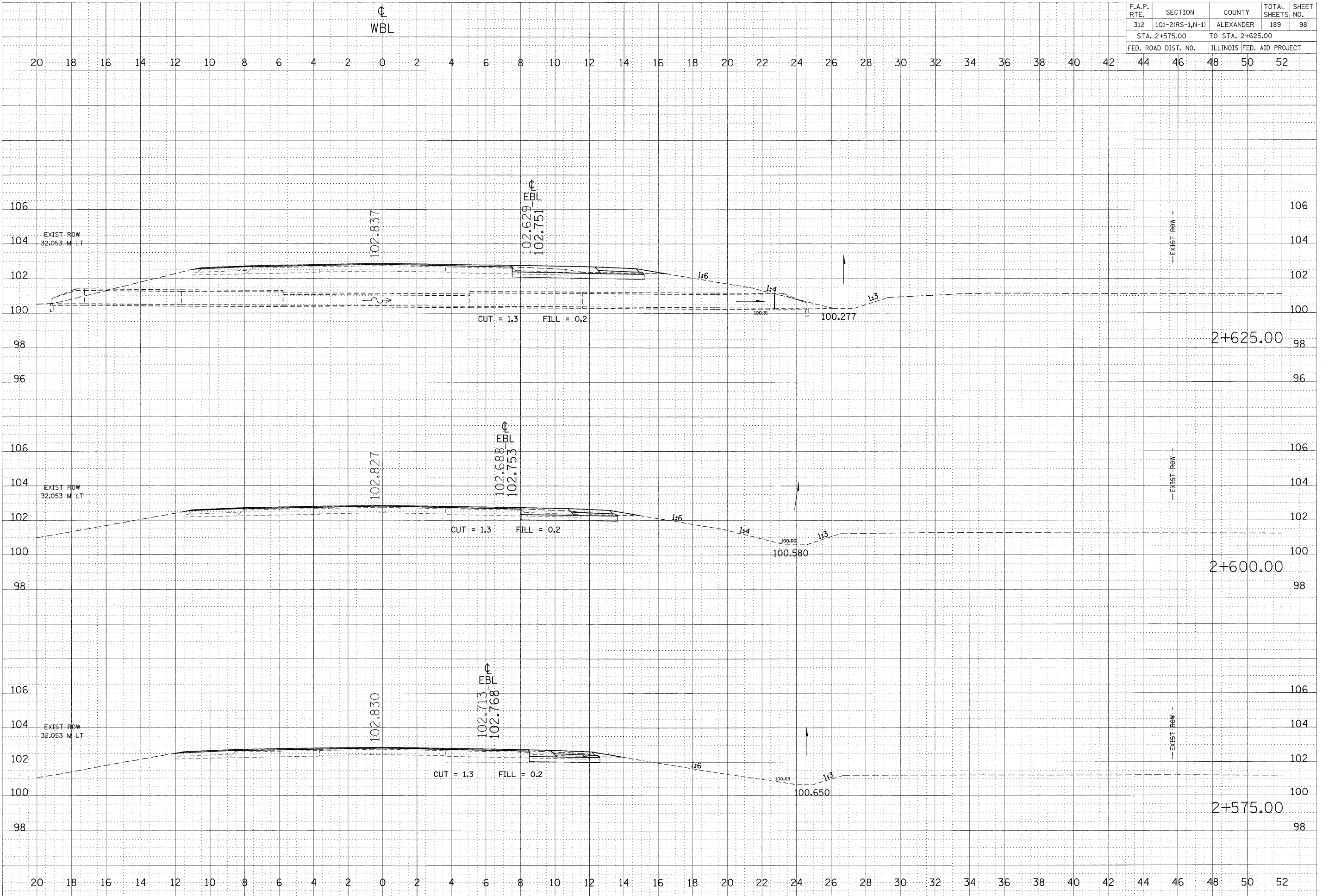


FINAL SURVEYED SURVEY BY DATE
 NOTE BOOK TEMPLATE AREAS CHECKED

ORIGINAL SURVEYED SURVEY BY DATE
 USER NAME = leftwischd

PLOT DATE = 9/17/2009
 PLOT SCALE = 100:20000
 USER NAME = leftwischd

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	98
STA. 2+575.00		TO STA. 2+625.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

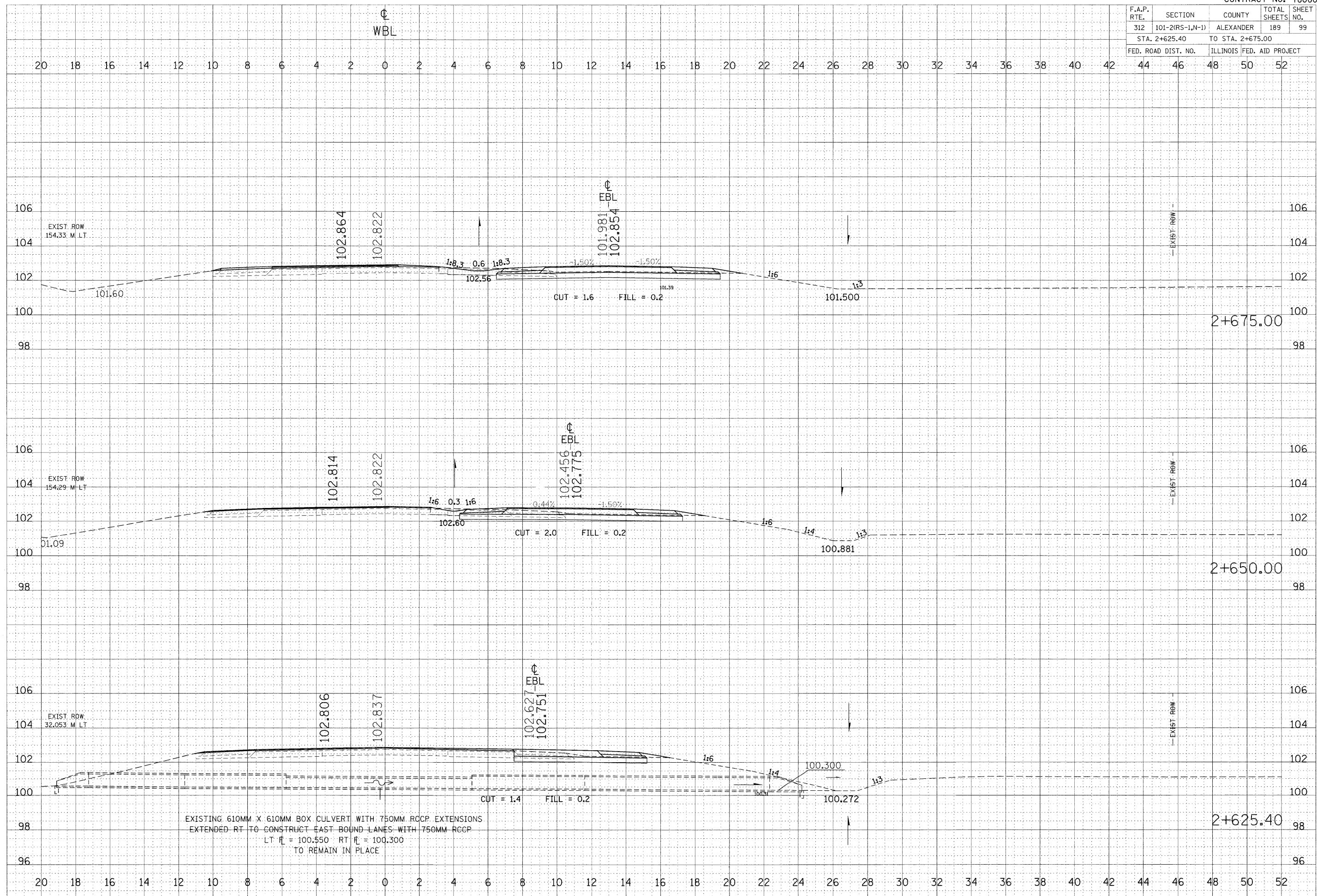


DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 SURVEY NO.: _____ NOTE BOOK: _____
 NO.: _____ AREAS CHECKED: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 SURVEY NO.: _____ NOTE BOOK: _____
 NO.: _____ AREAS CHECKED: _____

PLOT DATE = 9/17/2009
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 PLOT SCALE = 100.0000 m / M.
 USER NAME = leftwchd1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	99
STA. 2+625.40		TO STA. 2+675.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLOT DATE = 9/17/2009
 PLOT SCALE = 100.0000 m / 1"
 USER NAME = jefkuchel

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	100
STA. 2+700.00		TO STA. 2+750.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

PLOT DATE = 9/17/2009
 FILE NAME = c:\pvc\work\p1\DOT\LEFT\W\CH01\CH01.dwg
 PLOT SCALE = 100.0000 m / M.
 USER NAME = leftwch01

