

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)  
SECTION 6-1(N-1)  
PROJECT: ACHSIP-0331 (074)  
TYPE of IMPROVEMENT  
WILLIAMSON COUNTY

C-99-014-15

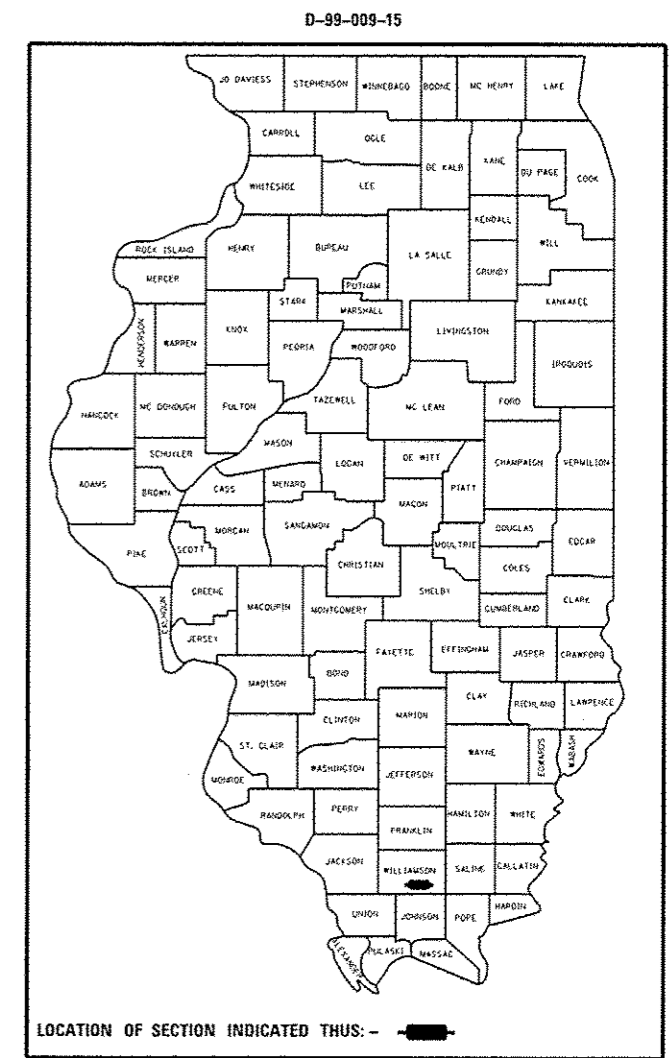
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	1
		ILLINOIS	CONTRACT NO. 78449	

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

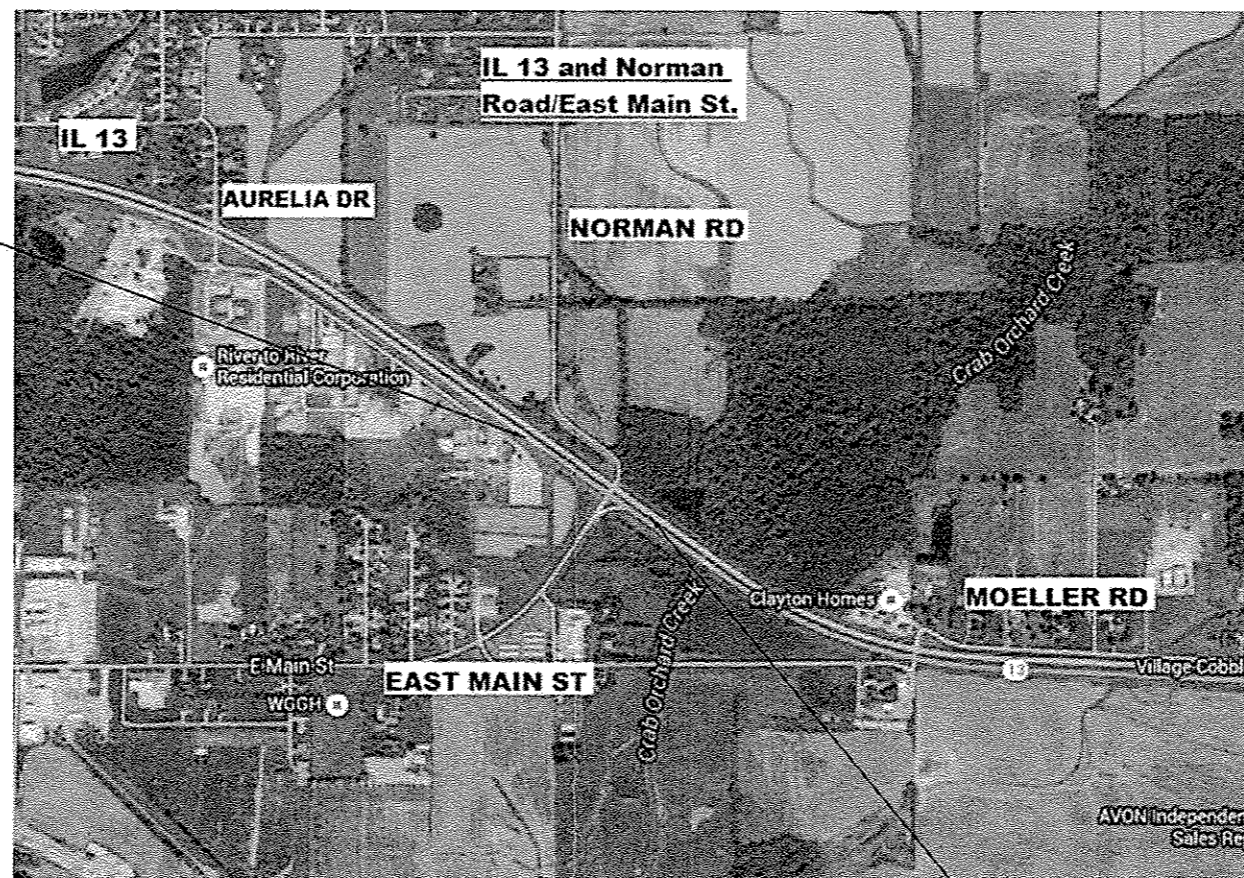
DESIGN DESIGNATION - 47,870(36) OTHER PRIN. ARTERIAL 4.47(PCC-20)  
(FD-20)

APPROACH	ADT	% TRUCKS
IL 13 WEST OF NORMAN RD.	13,600(2015)	11.6%
IL 13 EAST OF NORMAN RD.	13,300(2015)	6.7%
NORMAN ROAD	850(2012)	1.4%
WEST MAIN STREET	1,800(2012)	NOT AVAILABLE

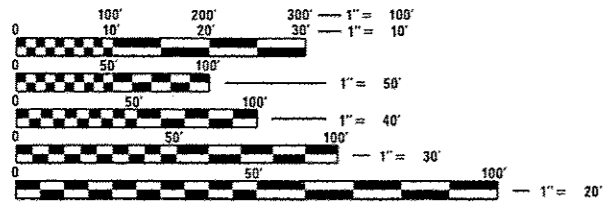
POSTED SPEED FOR ILLINOIS 13 IS 55 MPH



TO MARION  
PROJECT BEGINS  
STA 108+00(IL 13)



T9S



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

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

PROJECT ENGINEER SUSAN POE  
PROJECT MANAGER CHRIS RUSSELL

CONTRACT NO. 78449

GROSS LENGTH = 2,100 FT. = 0.4 MILE  
NET LENGTH = 2,100 FT. = 0.4 MILE

PROJECT ENDS  
STA 129+00(IL 13)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
SUBMITTED June 24 2016  
Jeffrey L. Keim REGION FIVE ENGINEER  
August 12 2016  
Margaret M. Addis, PE acting ENGINEER OF DESIGN AND ENVIRONMENT  
August 12 2016  
Michelle [Signature] DIRECTOR OF PROGRAM DEVELOPMENT

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

Prepared By: *Polie E*  
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Monica Lee*  
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nels*  
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kul Nels*  
 DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*  
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Daryl Decker*  
 DISTRICT CONSTRUCTION ENGINEER

Examined By: *[Signature]*  
 DISTRICT MATERIALS ENGINEER

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

FILE NAME *	USER NAME = russelljof	DESIGNED -	REVISED -
p:\1\14084681\INTEG...111-russelljof\1001\00	uments\1001 Offices\District 9\Projects\784	DRAWN to\00sheets\78449_gha-qvr.sds	REVISED -
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -
	PLOT DATE = 6/9/2016	DATE -	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	2
CONTRACT NO. 78449				
ILLINOIS/FED. AID PROJECT				

## INDEX OF SHEETS

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5	GENERAL NOTES, COMMITMENTS
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57	RIGHT OF WAY
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## STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420101-05	24' JOINTED PCC PAVEMENT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
483001-04	PCC SHOULDERS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND CUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-ROAD OPERATION, MULTI-LANE 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATION, MULTI-LANE, MORE THAN 15' AWAY
701422-08	LANE CLOSURE, MULTI-LANE, FOR SPEEDS $\geq$ 45MPH TO 55MPH
701426-08	LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\geq$ 45MPH
701701-10	URBAN LANE CLOSURE, MULTI-LANE INTERSECTION
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POST FOR SIGNS, MARKERS, & DELINEATORS
720021-02	SIGN PANELS-EXTRUDED ALUMINUM TYPE
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
821101-01	LUMINAIRE WIRING DIAGRAM
825011-03	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830006-03	LIGHT POLE ALUMINUM DAVIT ARM
830026	TEMPORARY ROADWAY LIGHTING
836001-02	LIGHT POLE FOUNDATION
838001	BREAKAWAY DEVICES
B.L.R 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

FILE NAME	USER NAME	DESIGNED	REVISOR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\884EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\7849\OBANN\CD\Sheets\78449_shts-cvr.sdg	greenlee	-	-			331	6-11N-1)	WILLIAMSON	154	3
		CHECKED	REVISOR		SCALE:				CONTRACT NO. 78449	
		DATE	REVISOR		SHEET	OF	SHEETS	STA.	TO	STA.
										ILLINOIS FED. AID PROJECT

## MIXTURES REQUIREMENTS

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	D Surface
Quality Management Program:	QC/QA

Locations	Hot-Mix Asphalt Shoulders (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-9.5L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Quality Management Program:	QC/QA

Locations	Hot-Mix Asphalt Binder Course (Top Lift)
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder, N90, IL-19.0
AC/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm
Friction Aggregate:	None
Quality Management Program:	QC/QA

Locations	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-19.0L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0L
Friction Aggregate:	None
Quality Management Program:	QC/QA

Locations	Hot-Mix Asphalt Binder Course (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0mm
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Quality Management Program:	QC/QA

## GENERAL NOTES

THE THICKNESS OF HOT MIX ASPHALT 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 IS PLACED.

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

ALL HOT MIX ASPHALT                    2.016 TONS/CU YD

ALL AGGREGATE                            2.05 TONS/CU YD

**BITUMINOUS MATERIALS:**

(TACK COAT)  
ON PAVEMENT                            0.05 LBS/SO FT  
HMA LIFTS                                0.025 LBS/SO FT  
(PRIME COAT)  
AGGREGATE BASES                      0.25 LBS/SO FT

RIPRAP                                    1.50 TONS/CU YD

EARTH                                      110 LBS/CU YD

LIME                                        4, 5, OR 6% WEIGHT OF EARTH

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

PROTECTIVE COAT SHALL BE APPLIED TO PCC PAVEMENT, CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.

ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED NOR PAID FOR SEPARATELY.

AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS 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 QUANTITY FOR BITUMINOUS MATERIALS TACK COAT INCLUDED IN THE PLANS IS BASED ON AN ANTICIPATED SEQUENCE OF CONSTRUCTION, AND 4" MAXIMUM LIFTS. THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS.

PAYMENT FOR TIEBARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND/OR COMBINATION CURB AND GUTTER.

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

ALL AGGREGATE SHOWN ON STANDARD 606301 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE MEDIAN SURFACE, 4 INCH.

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.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR BITUMINOUS SURFACE REMOVAL, INDIVIDUAL LIFTS OF BITUMINOUS BINDER AND BITUMINOUS SURFACE, AT THE RATE OF 4 FEET IN 40 FEET.

UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.

TRENCH BACKFILL REQUIRED FOR PIPE CULVERTS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

ALL PIPE CULVERT OR STORM SEWER EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY PIPE CULVERT OR STORM SEWER, THE ENTIRE LENGTH OF THE EXISTING PIPE CULVERT OR STORM SEWER SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.

THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.

THE QUANTITY OF EROSION CONTROL BLANKET SHOWN IN THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.

THE REMOVAL OF RIP-RAP IN EXISTING DITCHES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

ELECTRONIC DATA IS AVAILABLE TO CONTRACTORS FOR THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATION GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS, IT WILL BE CONTRACTOR'S RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTANCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

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.

## COMMITMENTS

1. DUE TO THE PRESENCE OF ENDANGERED/THREATENED SPECIES OR HABITATE, CLEARING OF TREES SHALL BE PROHIBITED FROM APRIL 1 THROUGH SEPTEMBER 30.
2. CONTRACTOR TO CONTACT FABICK CAT AT LEAST 14 DAYS PRIOR TO CONSTRUCTION THAT WOULD LIMIT LARGE TRUCK TURNING MOVEMENTS AT IL 13 AND WEST MAIN STREET. (SEE SPECIAL PROVISIONS)

FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...	...	...	...			331	6-(11-1)	WILLIAMSON	154	5
MODEL NAME	DATE	CHECKED	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT										

# SUMMARY OF QUANTITIES

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
	ROADWAY	LIGHTING
	0005	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
20100500	TREE REMOVAL, ACRES	ACRE	0.31	0.31	
20200100	EARTH EXCAVATION	CU YD	4.367	4.367	
20400100	BORROW EXCAVATION	CU YD	1.572	1.572	
20800150	TRENCH BACKFILL	CU YD	42	42	
25000115	SEEDING, CLASS 1B	ACRE	3.1	3.1	
25000350	SEEDING, CLASS 7	ACRE	3.1	3.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	373	373	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	373	373	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	373	373	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	6.2	6.2	
25100115	MULCH, METHOD 2	ACRE	6.2	6.2	
25100630	EROSION CONTROL BLANKET	SQ YD	1.447	1.447	

SEE SHEET 13 FOR TABLE 1

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# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	930	930	
28000305	TEMPORARY DITCH CHECKS	FOOT	505	505	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SO YD	9,206	SEE TABLE 1	
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	460	SEE TABLE 1	
31200100	STABILIZED SUBBASE 4"	SO YD	7,669	SEE TABLE 1	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	20,670	SEE TABLE 1	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,859	SEE TABLE 1	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	6,107	SEE TABLE 1	
40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SO YD	6,634	SEE TABLE 1	
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SO YD	6,634	SEE TABLE 1	
42001300	PROTECTIVE COAT	SO YD	8,649	SEE TABLE 1	

SEE SHEET 13 FOR TABLE 1

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY		
44000100	PAVEMENT REMOVAL	SQ YD	1,059	1,059	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	80	80	
44004250	PAVED SHOULDER REMOVAL	SQ YD	3,387	3,387	
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	2,000	SEE TABLE 1	
48300410	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"	SQ YD	2,000	SEE TABLE 1	
50105220	PIPE CULVERT REMOVAL	FOOT	80	80	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	115	115	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3	3	
54248510	CONCRETE COLLAR	CU YD	0.44	0.44	
54390180	INSERTION CULVERT LINER 24"	FOOT	75	75	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	8	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	77	77	

SEE SHEET 13 FOR TABLE 1

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES SHEET 3 OF 7</b>	P.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
g:\ll.08*EBID\INTEG\illinois.gov\PK1007\Docu...	ments\1007_D\Files\Director_9\Projects\78449...	DRAWN by: CAE\sheeta\78449_shta-dvr.soa...	REVISED -			331	6-11N-11	WILLIAMSON	154	8
Default	PLOT SCALE = 100.0000 1/16"	CHECKED -	REVISED -							
	PLOT DATE = 6/24/2016	DATE -	REVISED -							
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT										



# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1,945	1,945	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	26	26	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	42	42	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	172	172	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	11	11	
67100100	MOBILIZATION	LSUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	7	7	
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	30	30	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	4,717	4,717	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	286	286	

SEE SHEET 13 FOR TABLE 1

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,375	9,375	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	537	537	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	40	40	
* 72000100	SIGN PANEL - TYPE 1	SO FT	55	55	
* 72000300	SIGN PANEL - TYPE 3	SO FT	63	63	
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	744	744	
* 72900200	METAL POST - TYPE B	FOOT	8	8	
* 73000100	WOOD SIGN SUPPORT	FOOT	67	67	
* 73400100	CONCRETE FOUNDATIONS	CU YD	1.4	1.4	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	286	286	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9,375	9,375	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	537	537	

*\*Specialty Items*

SEE SHEET 13 FOR TABLE 1

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	40	40	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	298		298
81603000	UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	4,400		4,400
81603040	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,096		1,096
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1		1
83004600	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	20		20
83600357	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	20		20
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	80		80
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	13		13
84200804	REMOVAL OF POLE FOUNDATION	EACH	13		13
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1		1

\* {

12

SEE SHEET 13 FOR TABLE 1

*\*Specialty Items*

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	IL 13, FAP 331	IL 13, FAP 331
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	LIGHTING 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	LIGHTING
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1		1
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		1
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	1,918	1,918	
* X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	20		20
X6015000	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
* X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1		1
<b>31100850</b>	SUBBASE GRANULAR MATERIAL, TYPE A 9 1/2"	SO YD	9,232	SEE TABLE 1	

9

SEE SHEET 13 FOR TABLE 1

*\*Specialty Items*

TABLE 1 - ALTERNATE QUANTITIES

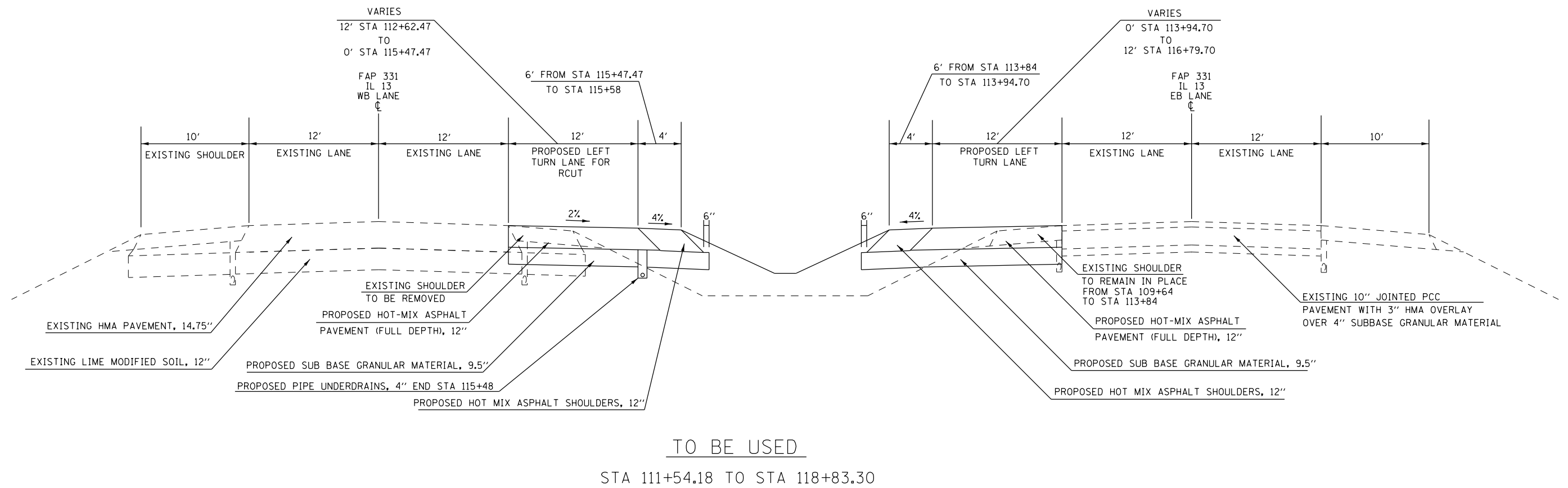
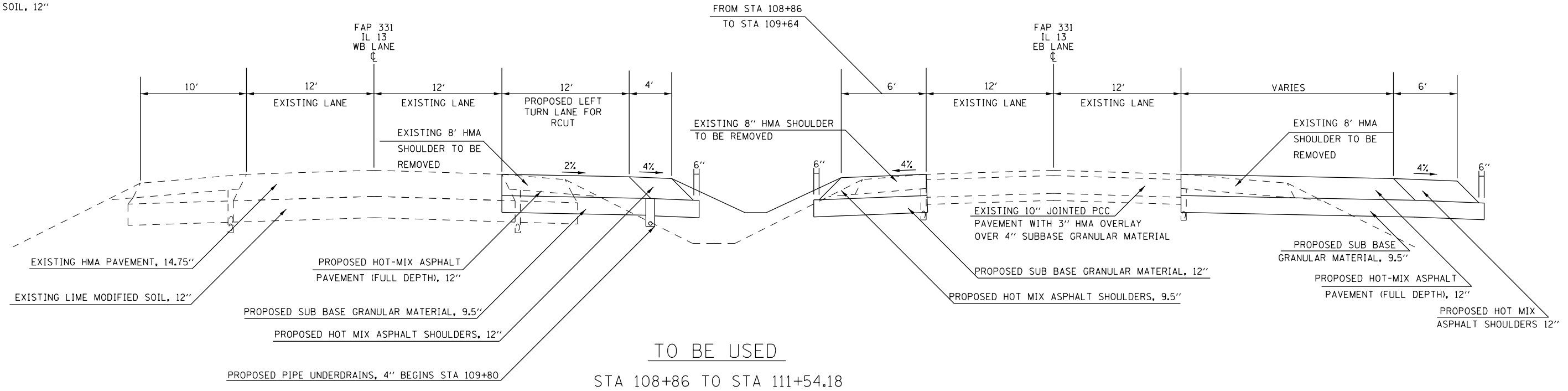
			0021	
			80 % FEDERAL, 20 % STATE	
			URBAN	
CODE NUMBER	ITEM DESCRIPTION	UNIT	ALTERNATE "A" QUANTITY	ALTERNATE "B" QUANTITY
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	0	9206
<del>31100700</del>	SUBBASE GRANULAR MATERIAL, TYPE A 9 1/2 "	SQ YD	9232	0
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	0	460
31200100	STABILIZED SUBBASE 4"	SQ YD	0	7669
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	20670	0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5859	0
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	6107	0
40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SQ YD	6634	0
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	0	6634
42001300	PROTECTIVE COAT	SQ YD	15	8649
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	2000	0
48300410	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"	SQ YD	0	2000

**NOTES:**

- 1) ALTERNATE A - HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)
- 2) ALTERNATE B - PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
- 3) SEE SCHEDULES FOR MORE INFORMATION

IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"

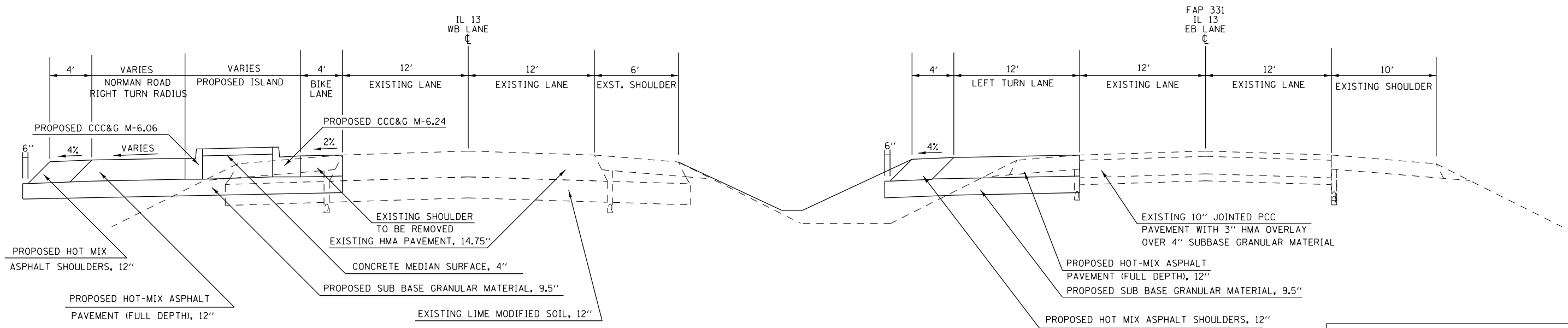
IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



FILE NAME =	USER NAME = greenlees	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ALT A (HMA) ILLINOIS 13</b>				F.A.P. RTE. 331	SECTION 6-1(N-1)	COUNTY WILLIAMSON	TOTAL SHEETS 154	SHEET NO. 14
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\78449\Drawings\CAD\Drawings\78449_shtb\typ.sch		DRAWN	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78449	
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE = 6/24/2016	DATE -	REVISED -										

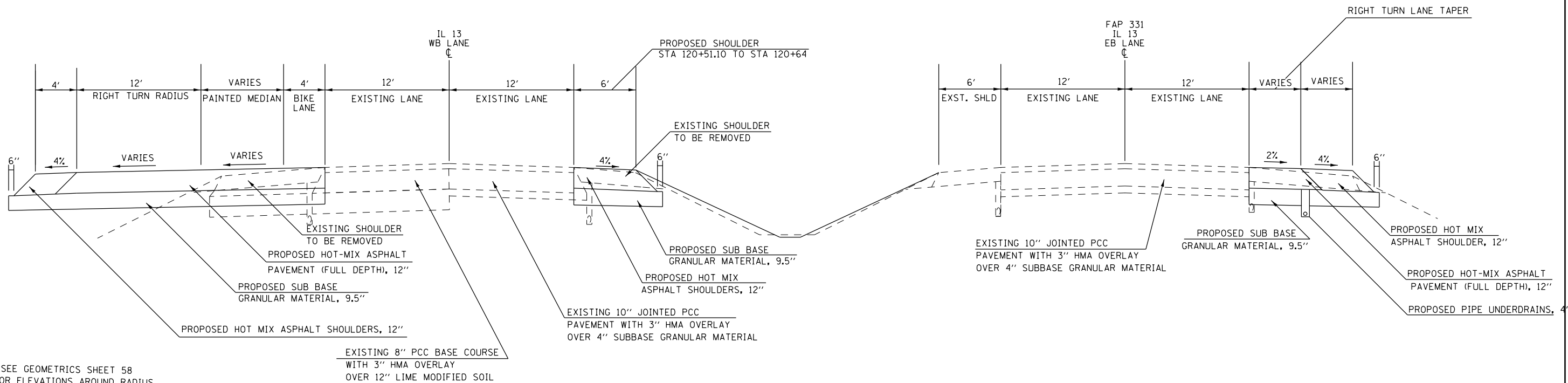
IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"

IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



TO BE USED  
 STA 118+83.30 TO STA 120+12.70

\* SEE SHEET 19 FOR DETAIL OF FULL DEPTH PAVEMENT



TO BE USED  
 STA 120+42.70 TO STA 121+06.64

IL 13 EB EXISTING PIPE UNDERDRAINS  
 TERMINATE AT STA 121+00

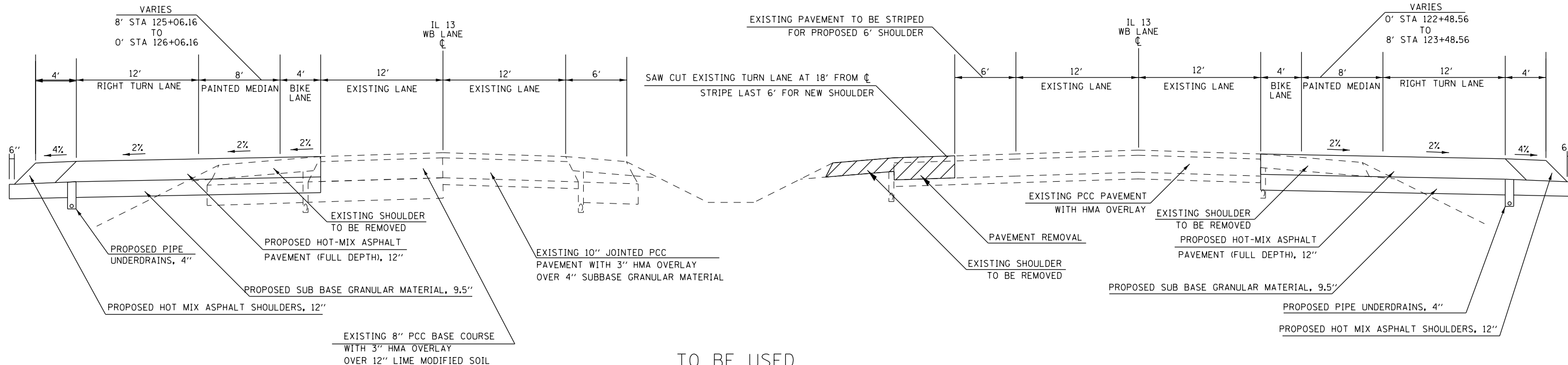
\* SEE GEOMETRICS SHEET 58 FOR ELEVATIONS AROUND RADIUS

FILE NAME =	USER NAME = greenlees	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ALT A (HMA) ILLINOIS 13</b>				F.A.P. R.T.E. = 331	SECTION = 6-1(N-1)	COUNTY = WILLIAMSON	TOTAL SHEETS = 154	SHEET NO. = 15
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78449	
	PLOT DATE = 6/24/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

IL 13 WB  
 EXIST INSIDE SHOULDERS  
 8" HMA SHOULDERS

EXIST OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"

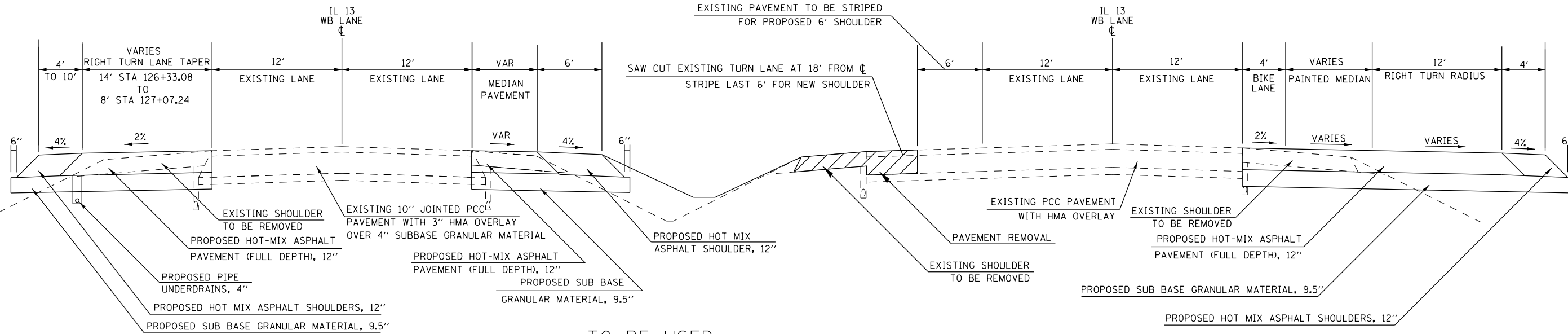
IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



TO BE USED  
 STA 121+06.64 TO STA 126+33.08

\* SEE SHEET 19 FOR DETAIL OF FULL DEPTH PAVEMENT

IL 13 WB EXISTING PIPE UNDERDRAINS TERMINATE AT STA 126+00



TO BE USED  
 STA 126+33.08 TO STA 127+07.24

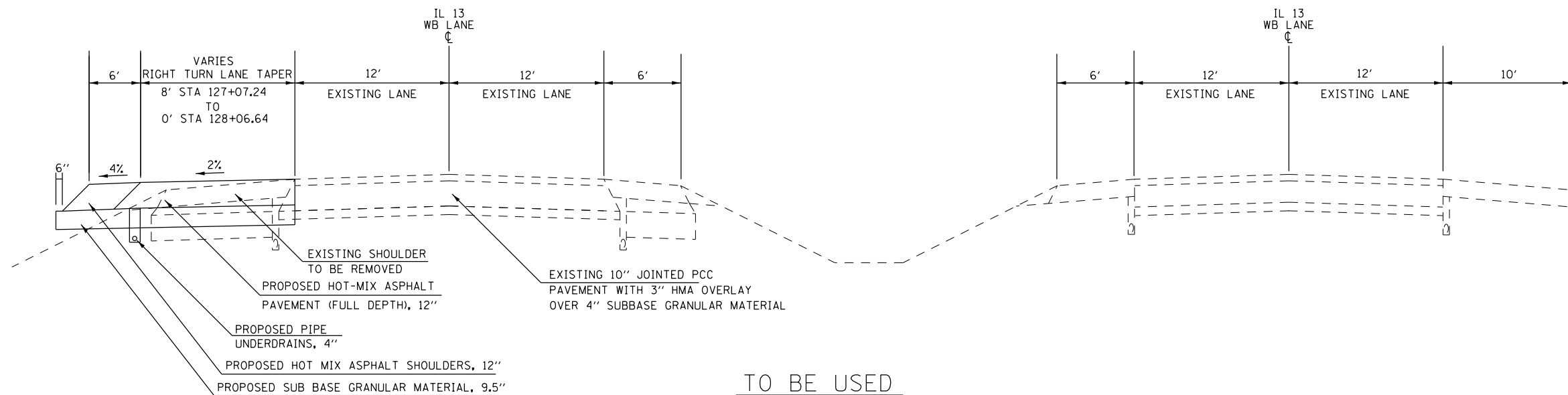
\* SEE GEOMETRICS SHEET 58 FOR ELEVATIONS AROUND RADIUS

FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ALT A (HMA) ILLINOIS 13</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78449					
	PLOT DATE = 6/24/2016					ILLINOIS FED. AID PROJECT					



IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS

IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS

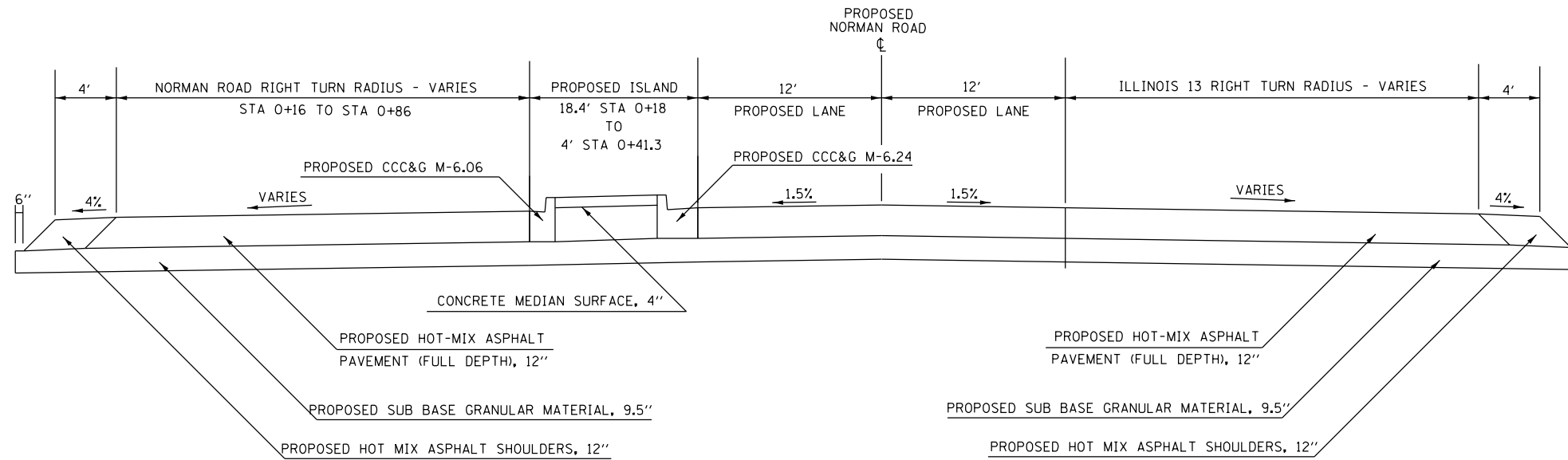


TO BE USED  
 STA 127+07.24 TO STA 128+17

STRUCTURAL DESIGN TRAFFIC:	Year	2036
PV =	12,102	SU = 752 MU = 820
ROAD/STREET CLASSIFICATION:	Class	I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P =	32%	S = 45% M = 45%
TRAFFIC FACTOR:	Actual TF =	4.47 AC Type =
	Minimum TF =	3.56
PG GRADE:	Binder =	PG64-22 Surface = PG76-22
SUBGRADE SUPPORT RATING:		
SSR =	POOR	(Sta. 108+86 to 128+17)
SSR =		(Sta. to )

\* SEE SHEET 19 FOR DETAIL OF FULL DEPTH PAVEMENT

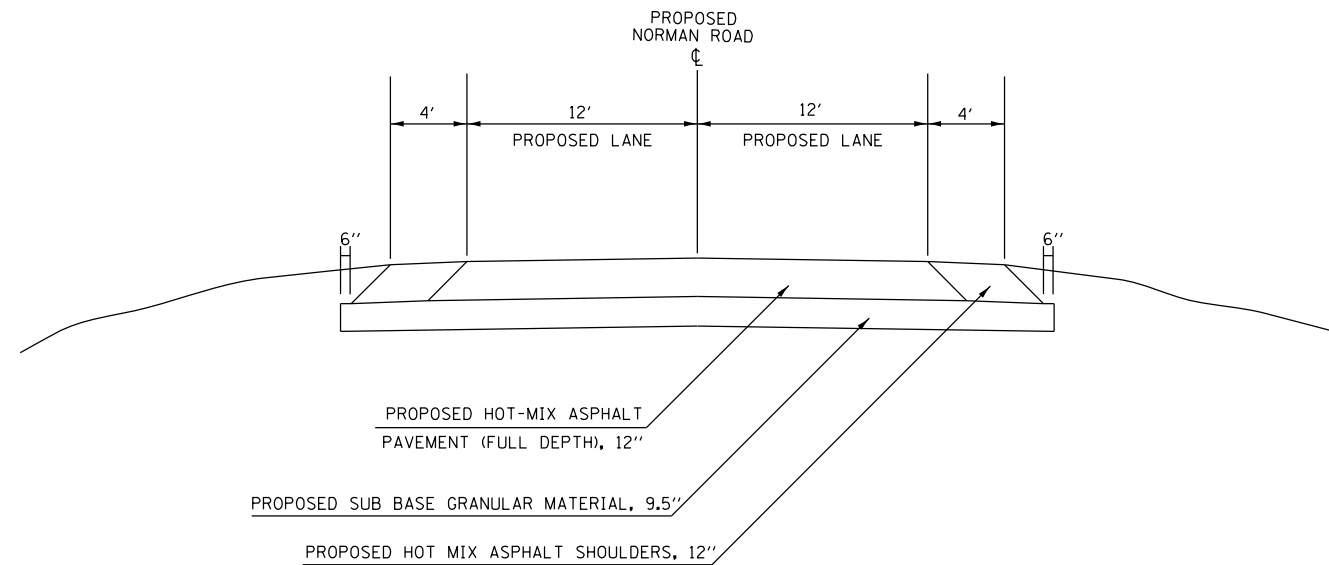
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			331	6-1(N-1)	WILLIAMSON	154	17	
	PLOT DATE = 6/24/2016	DATE -	REVISED -			<b>CONTRACT NO. 78449</b>					
						ILLINOIS FED. AID PROJECT					



TO BE USED  
STA 0+16 TO STA 1+36.87

• SEE GEOMETRICS SHEET 58  
FOR ELEVATIONS AROUND RADIUS

\* SEE SHEET 19 FOR DETAIL  
OF FULL DEPTH PAVEMENT



TO BE USED  
STA 1+36.87 TO STA 2+90.88

STRUCTURAL DESIGN TRAFFIC: Year 2036  
 PV = 12,102 SU = 752 MU = 820  
 ROAD/STREET CLASSIFICATION: Class I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 32% S = 45% M = 45%  
 TRAFFIC FACTOR: Actual TF = 4.47 AC Type = \_\_\_\_\_  
 Minimum TF = 3.56  
 PG GRADE: Binder = PG64-22 Surface = PG76-22  
 SUBGRADE SUPPORT RATING:  
 SSR = POOR (Sta. 0+00 to 2+90.88)  
 SSR = \_\_\_\_\_ (Sta. \_\_\_\_\_ to \_\_\_\_\_)

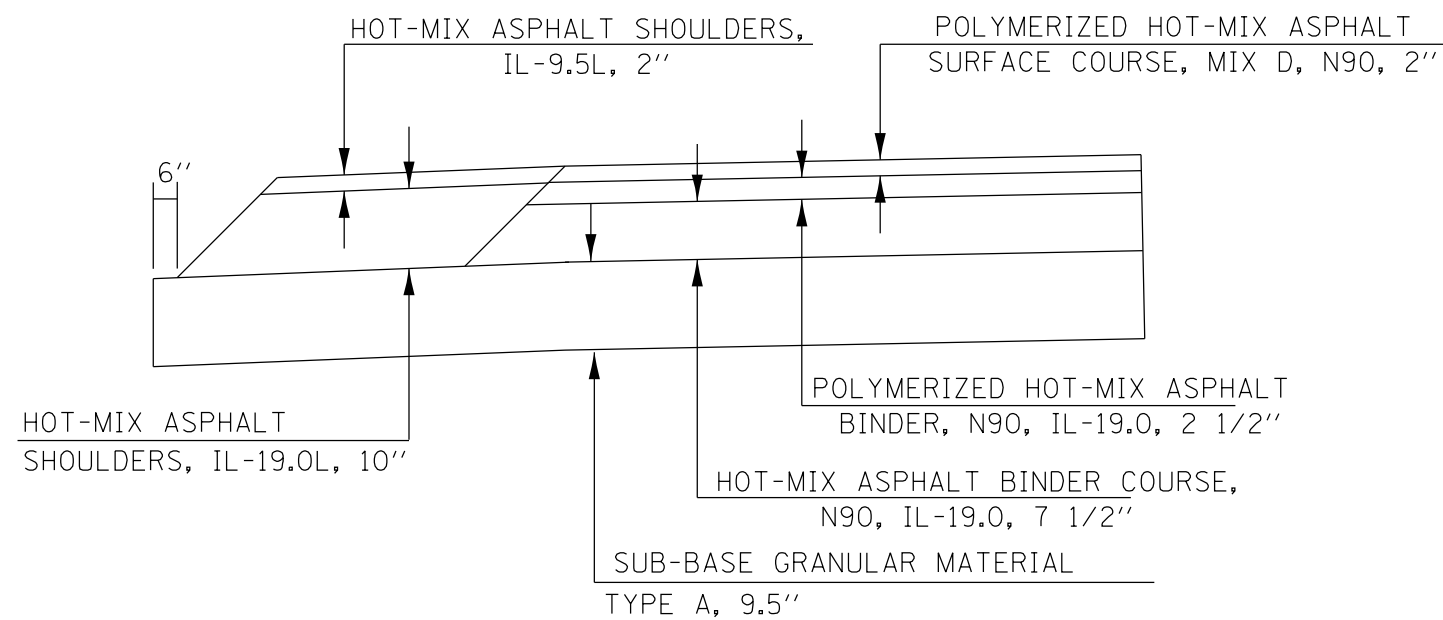
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	PLOT DATE = <u>6/24/2016</u>	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS ALT A (HMA)  
NORMAN ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	18
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



PAVING DETAIL  
FULL-DEPTH PAVEMENT

\* FOR INFORMATION ONLY - NOT PAY ITEMS  
SEE MIX DESIGN TABLES FOR MORE INFORMATION

STRUCTURAL DESIGN TRAFFIC:	Year	2036
PV =	12,102	SU = 752 MU = 820
ROAD/STREET CLASSIFICATION:	Class	I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P =	32%	S = 45% M = 45%
TRAFFIC FACTOR:	Actual TF =	4.47 AC Type =
	Minimum TF =	3.56
PG GRADE:	Binder =	PG64-22 Surface = PG76-22
SUBGRADE SUPPORT RATING:		
SSR =	POOR	(Sta. _____ to _____)
SSR =		(Sta. _____ to _____)

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

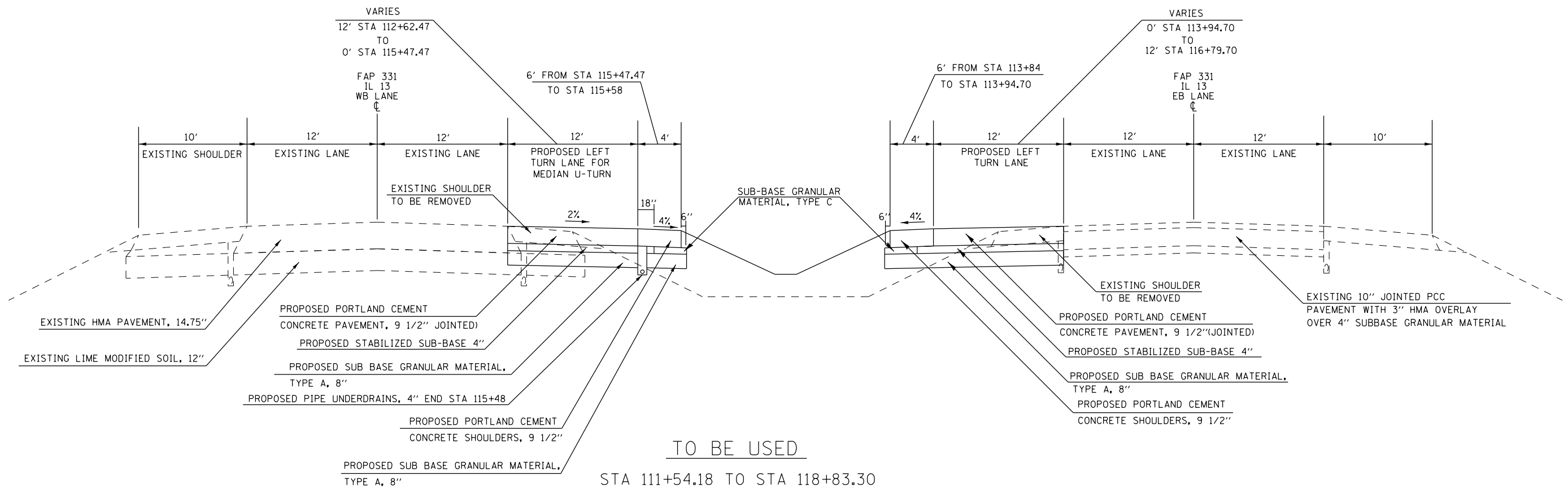
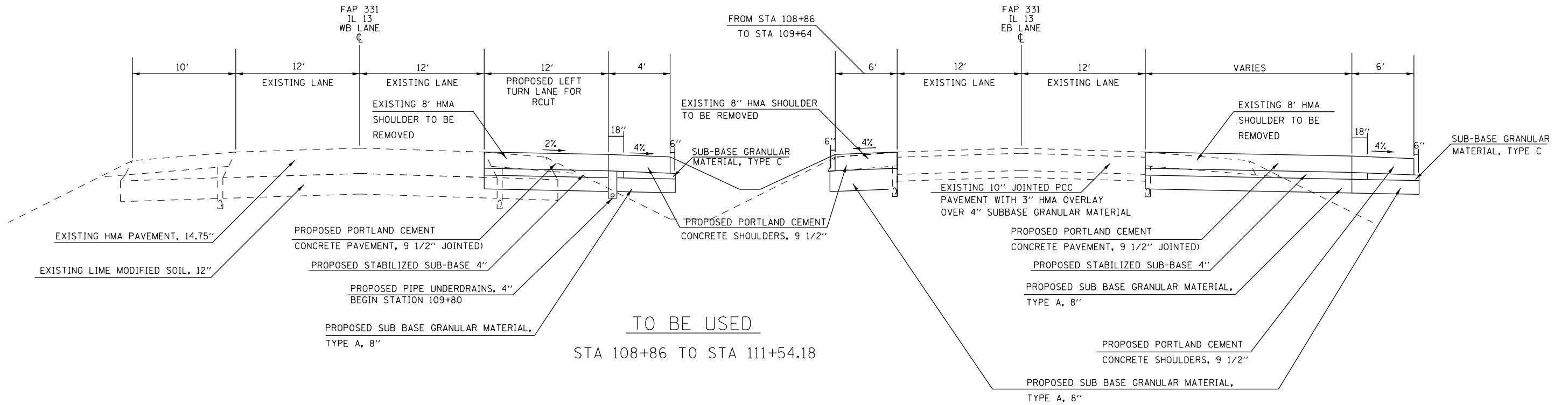
TYPICAL SECTIONS ALT A  
ILLINOIS 13

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78449	

IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"

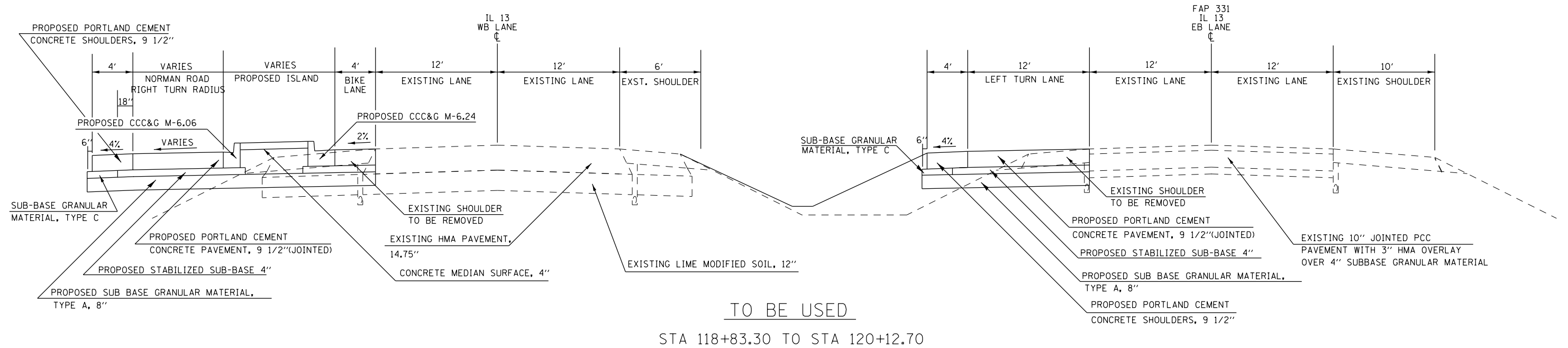
IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



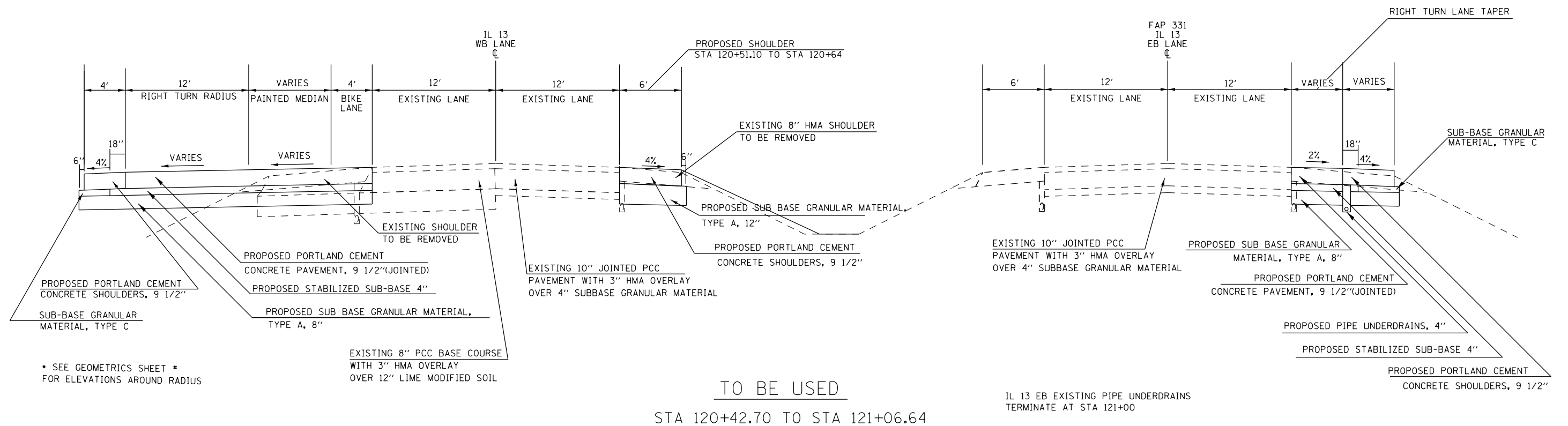
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Default	PLotted DATE = 6/24/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"

IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



• SEE GEOMETRICS SHEET 58 FOR ELEVATIONS AROUND RADIUS

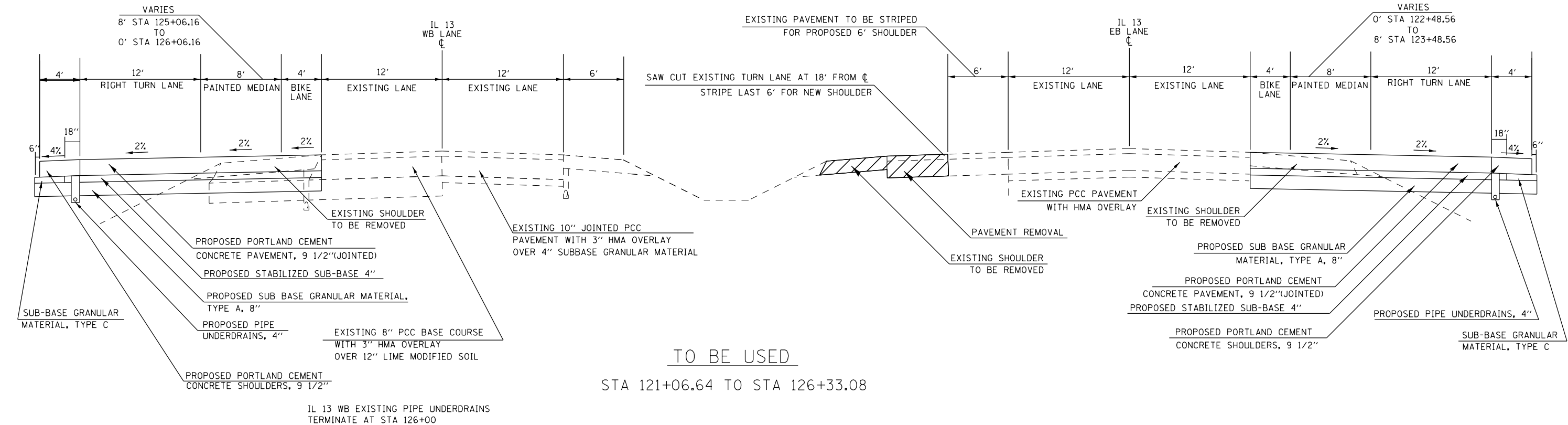


• SEE GEOMETRICS SHEET • FOR ELEVATIONS AROUND RADIUS

FILE NAME =	USER NAME = greenlees	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ALT B (PCC) ILLINOIS 13</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\78449\Drawings\CAD\Sheets\78449_shtb\tp_sch.dwg	DRWN -	CHECKED -	REVISED -			331	6-1(N-1)	WILLIAMSON	154	21
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78449				

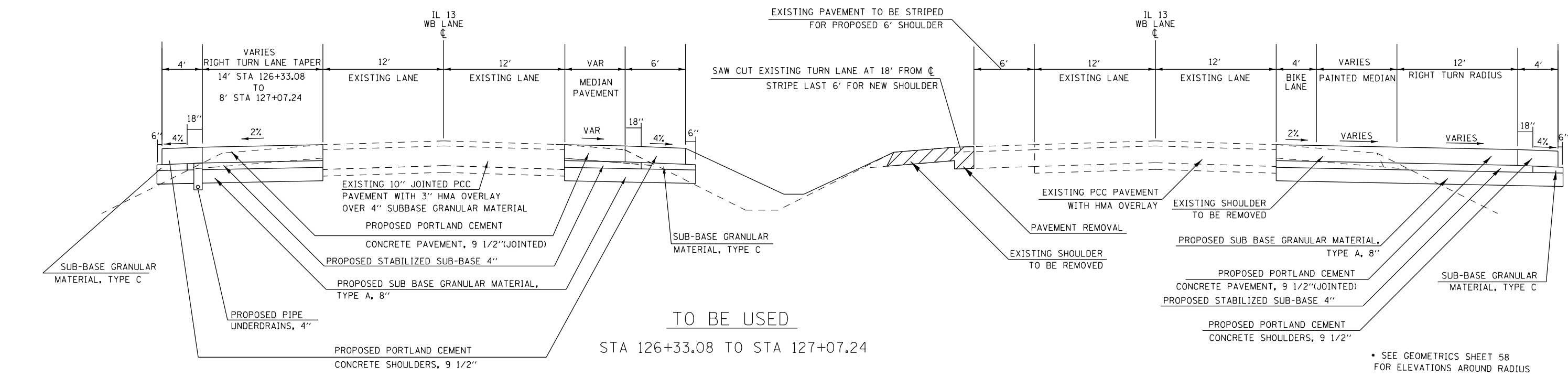
IL 13 WB  
 EXIST INSIDE SHOULDERS  
 8" HMA SHOULDERS

EXIST OUTSIDE SHOULDERS  
 8" HMA SHOULDERS  
 GRAN. MATERIAL TYPE C OR LIME MODIFIED SOIL, VAR.  
 LIME MODIFIED SOIL, 12"



TO BE USED  
 STA 121+06.64 TO STA 126+33.08

IL 13 WB EXISTING PIPE UNDERDRAINS  
 TERMINATE AT STA 126+00



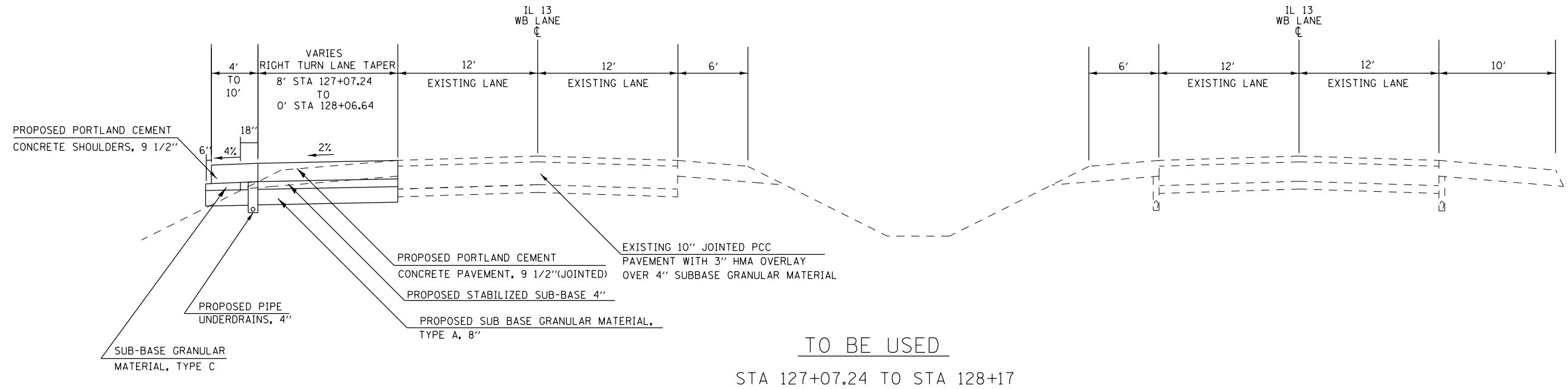
TO BE USED  
 STA 126+33.08 TO STA 127+07.24

SEE GEOMETRICS SHEET 58  
 FOR ELEVATIONS AROUND RADIUS

FILE NAME =	USER NAME = greenlees	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ALT B (PCC) ILLINOIS 13</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLotted DATE = 6/24/2016	DATE -	REVISED -			CONTRACT NO. 78449				

IL 13 WB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS

IL 13 EB  
 EXIST INSIDE AND OUTSIDE SHOULDERS  
 8" HMA SHOULDERS



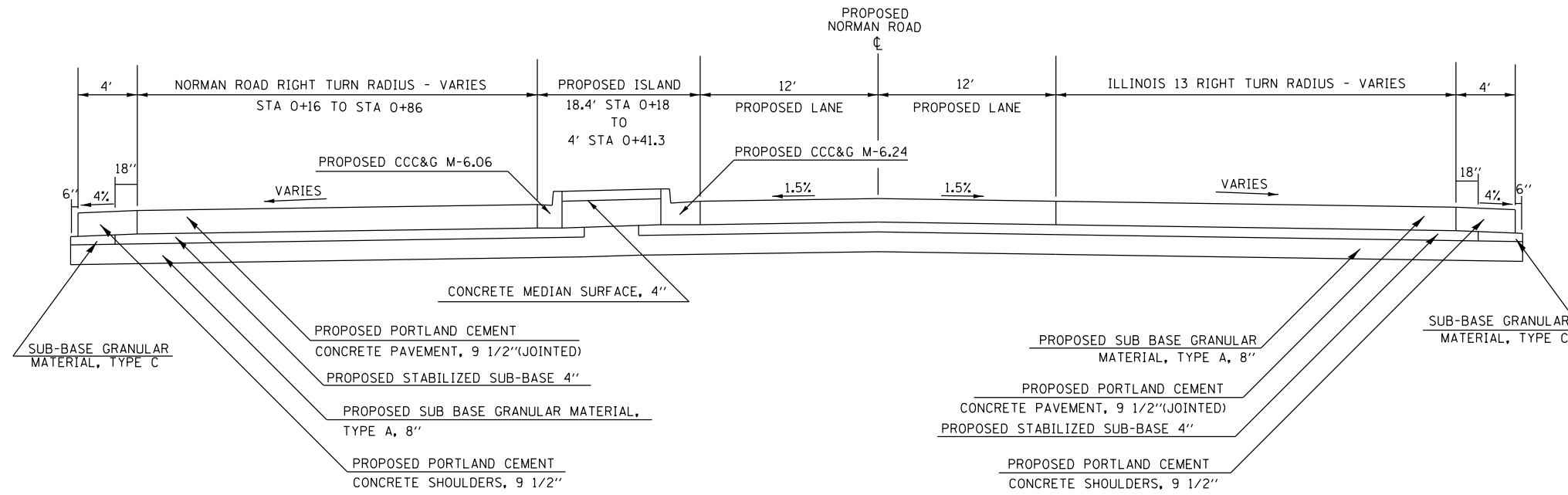
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS ALT B (PCC)  
 ILLINOIS 13

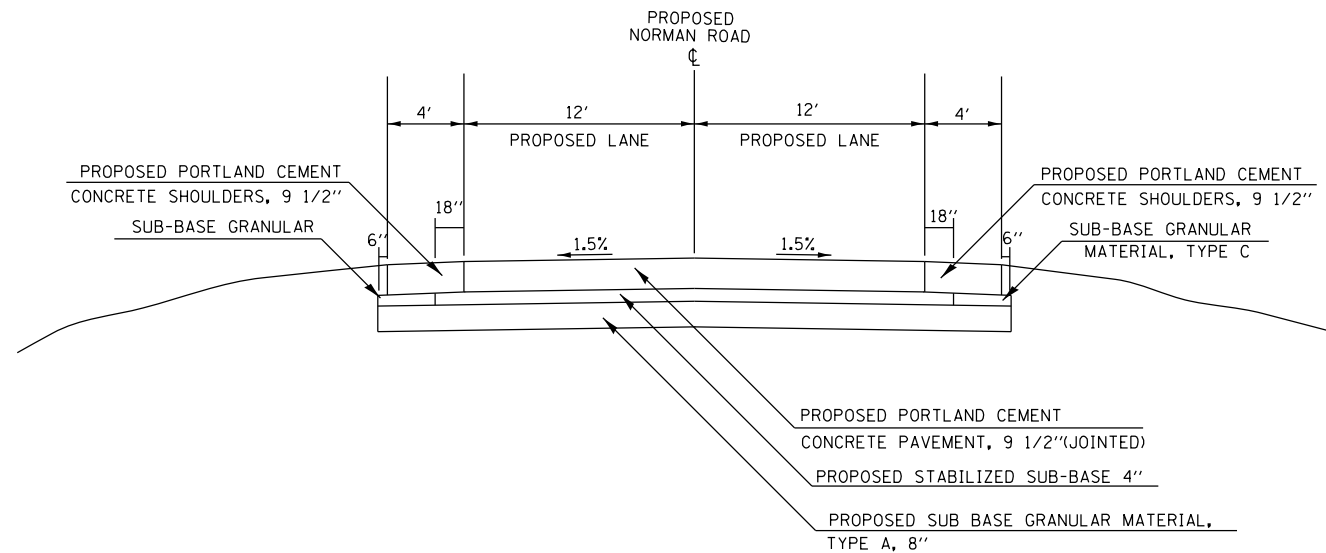
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	23
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



TO BE USED  
STA 0+16 TO STA 1+36.87

• SEE GEOMETRICS SHEET 58  
FOR ELEVATIONS AROUND RADIUS



TO BE USED  
STA 1+36.87 TO STA 2+90.88

FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS ALT B (PCC)  
NORMAN ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	24
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



## ALT. A PAVEMENT SCHEDULE

LOCATION STATION TO STATION	LENGTH	PAVEMENT WIDTH	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SUB-BASE GRANULAR MATERIAL, TYPE A 9 1/2"	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (PRIME COAT)	REMARKS
	FOOT	FOOT	SQ YD	SQ YD	POUND	POUND	POUND	
<b>IL 13 (EB)</b>								
108+96.97RT TO 111+54.18RT	257.2	VAR.	599	599	551	285	1460	LOON AREA
120+48.08RT TO 123+48.08RT	300.0	VAR.	400	400	368	191	975	
123+48.08RT TO 126+33.08RT	285.0	24.0	760	760	700	362	1853	
126+33.08RT TO 127+13.26RT	80.2	VAR.	426	426	392	203	1038	OLD IL 13 / MAIN ST. RADIUS
<b>IL 13 (WB)</b>								
113+94.68LT TO 116+79.7 LT	285.0	VAR.	190	190	175	90	463	
116+79.7 LT TO 119+64.7 LT	285.0	12.0	380	380	350	181	926	
<b>NORMAN RD.</b>								
108+86. RT TO 109+77.47RT	91.5	VAR.	198	198	182	94	483	MEDIAN LEFT AREA
119+64.7 RT TO 120+64. RT	99.3	VAR.	218	218	201	104	531	MEDIAN LEFT AREA
126+15. RT TO 126+93.1 RT	78.1	VAR.	62	62	57	30	151	MEDIAN NOSE AREA
121+06.64LT TO 125+06.64LT	400.0	24.0	1067	1067	982	508	2600	
125+06.64LT TO 128+06.64LT	300.0	VAR.	400	400	368	191	975	
+12. LT TO +86. LT	74.0	VAR.	245	245	226	117	597	WEST QUADRANT INCLUDING LANE
+12. RT TO 1+36.86 RT	124.9	VAR.	344	344	317	164	839	EAST QUADRANT
+86. LT TO 2+83.53 LT	197.5	12.0	263	263	242	125	642	
+12. RT TO 2+83.53 RT	271.5	12.0	362	362	333	172	882	
1+70.61 RT TO 2+48.17 RT		VAR.	150	150	138	71	364	OLD NORMAN ROAD TIE IN
<b>TOTAL</b>	<b>2207</b>		<b>6634</b>	<b>6634</b>	<b>6107</b>	<b>3159</b>	<b>16170</b>	

# ALT. A SHOULDER SCHEDULE

LOCATION STATION TO STATION	LENGTH	SHOULDER WIDTH	HOT-MIX ASPHALT SHOULDERS, 12"	SUB-BASE GRANULAR MATERIAL, TYPE A 9 1/2"	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (PRIME COAT)	REMARKS
	FOOT	FOOT	SQ YD	SQ YD	POUND	POUND	
<b>IL 13 (EB)</b>							
108+86. RT TO 111+54.18RT	268.2	VAR.	215	264	290	484	LOON AREA
120+38. RT TO 121+22.92RT	84.9	VAR.	67	81	90	151	
121+22.92RT TO 126+33.08RT	510.2	4.0	227	312	306	511	
					0		
113+84. LT TO 114+42.12LT	58.1	VAR	33	42	45	74	
114+42.12LT TO 119+64.7 LT	522.6	4.0	233	320	315	524	
<b>IL 13 (WB)</b>							
121+06.64LT TO 127+31.8 LT	625.2	4.0	278	383	375	626	
127+31.8 LT TO 128+17. LT	85.2	VAR.	67	81	90	151	
109+77.47RT TO 115+00.05RT	522.6	4.0	233	320	315	524	
115+00.05RT TO 115+58. RT	58.0	VAR.	33	42	45	74	
108+86. RT TO 109+77.47RT	91.5	VAR.	98	79	132	221	MEDIAN LEFT AREA
119+64.7 RT TO 120+64. RT	99.3	VAR.	78	73	105	176	MEDIAN LEFT AREA
126+25.18RT TO 126+84.58RT	59.4	VAR.	48	82	65	108	MEDIAN NOSE AREA
<b>NORMAN RD.</b>							
0+86 LT TO 2+83.53 LT	197.53	4.0	88	121	119	198	
1+36.87 RT TO 1+80.13 RT	43.3	4.0	20	27	27	45	
2+30.79 RT TO 2+83.53 RT	52.7	4.0	24	33	32	54	
0+00 RT TO 1+06.84 RT	106.84	4.0	48	66	65	108	WEST RADIUS STATIONING
1+06.84 RT TO 1+67.35 RT	60.5	VAR	53	63	72	119	WEST RADIUS STATIONING
0+00 RT TO 1+38.07 RT	138.07	4.0	62	85	84	140	EAST RADIUS STATIONING
<b>OLD IL 13 / MAIN ST.</b>							
0+00 RT TO 1+28.78 RT	128.78	4.0	58	79	78	131	WEST RADIUS STATIONING
1+28.78 RT TO 1+78.15 RT	49.4	VAR	37	45	50	83	WEST RADIUS STATIONING
<b>TOTALS</b>			2000	2598	2700	4500	

## ALT. B PAVEMENT SCHEDULE

LOCATION STATION TO STATION	LENGTH	PAVEMENT WIDTH	PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)	STABILIZED SUB-BASE 4"	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	PROTECTIVE COAT	REMARKS
	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	
<b>IL 13 (EB)</b>							
108+96.97RT TO 111+54.18RT	257.2	VAR.	599	646	599	599	LOON AREA
120+48.08RT TO 123+48.08RT	300.0	VAR.	400	450	400	400	
123+48.08RT TO 126+33.08RT	285.0	24.0	760	808	760	760	
126+33.08RT TO 127+13.26RT	80.2	VAR.	426	455	426	426	OLD IL 13 / MAIN ST. RADIUS
113+94.68LT TO 116+79.7 LT	285.0	VAR.	190	238	190	190	
116+79.7 LT TO 119+64.7 LT	285.0	12.0	380	428	380	380	
<b>IL 13 (WB)</b>							
109+77.47RT TO 112+62.47RT	285.0	12.0	380	428	380	380	
112+62.47RT TO 115+47.47RT	285.0	VAR.	190	238	190	190	
108+86. RT TO 109+77.47RT	91.5	VAR.	198	223	198	198	MEDIAN LEFT AREA
119+64.7 RT TO 120+64. RT	99.3	VAR.	218	238	218	218	MEDIAN LEFT AREA
126+15. RT TO 126+93.1 RT	78.1	VAR.	62	108	62	62	MEDIAN NOSE AREA
121+06.64LT TO 125+06.64LT	400.0	24.0	1067	1133	1067	1067	
125+06.64LT TO 128+06.64LT	300.0	VAR.	400	450	400	400	
<b>NORMAN RD.</b>							
+12. LT TO +86. LT	74.0	VAR.	245	302	245	245	WEST QUADRANT INCLUDING LANE
+12. RT TO 1+36.86 RT	124.9	VAR.	344	367	344	344	EAST QUADRANT
+86. LT TO 2+83.53 LT	197.5	12.0	263	296	263	263	
+12. RT TO 2+83.53 RT	271.5	12.0	362	407	362	362	
1+70.61 RT TO 2+48.17 RT		VAR.	150	456	150	150	OLD NORMAN ROAD TIE IN
<b>TOTAL</b>							
	2207		6634	7669	6634	6634	

## ALT. B SHOULDER SCHEDULE

LOCATION STATION TO STATION	LENGTH	SHOULDER WIDTH	PCC SHOULDERS, 9' 1/2"	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SUB-BASE GRANULAR MATERIAL, TYPE C	PROTECTIVE COAT	REMARKS
	FOOT	FOOT	SQ YD	SQ YD	TON	SQ YD	
<b>IL 13 (EB)</b>							
108+86. RT TO 111+54.18RT	268.2	VAR.	215	231	49.0	215	LOON AREA
120+38. RT TO 121+22.92RT	84.9	VAR.	67	81	15.3	67	
121+22.92RT TO 126+33.08RT	510.2	4.0	227	312	51.7	227	
<b>IL 13 (WB)</b>							
113+84. LT TO 114+42.12LT	58.1	VAR	33	42	7.5	33	
114+42.12LT TO 119+64.7 LT	522.6	4.0	233	320	53.1	233	
<b>IL 13 (WB)</b>							
121+06.64LT TO 127+31.8 LT	625.2	4.0	278	383	63.3	278	
127+31.8 LT TO 128+17. LT	85.2	VAR.	67	81	15.3	67	
109+77.47RT TO 115+00.05RT	522.6	4.0	233	320	53.1	233	
115+00.05RT TO 115+58. RT	58.0	VAR	33	42	7.5	33	
108+86. RT TO 109+77.47RT	91.5	VAR	98	105	22.3	98	MEDIAN LEFT AREA
119+64.7 RT TO 120+53.69RT	89.0	VAR	78	84	18.0	78	MEDIAN LEFT AREA
126+25.18RT TO 126+85.12RT	59.9	VAR	48	52	15.5	48	MEDIAN NOSE AREA
<b>NORMAN RD.</b>							
+86. LT TO 2+83.53 LT	197.5	4.0	88	121	20.0	88	
1+36.87 RT TO 1+80.13 RT	43.3	4.0	20	27	4.6	20	
2+30.79 RT TO 2+83.53 RT	52.7	4.0	24	33	5.5	24	
+. RT TO 1+06.84 RT	106.8	4.0	48	66	10.9	48	WEST RADIUS STATIONING
1+06.84 RT TO 1+67.35 RT	60.5	VAR	53	63	12.1	53	WEST RADIUS STATIONING
+. RT TO 1+38.07 RT	138.1	4.0	62	85	14.1	62	EAST RADIUS STATIONING
<b>OLD IL 13 / MAIN ST.</b>							
+. RT TO 1+28.78 RT	128.8	4.0	58	79	13.2	58	WEST RADIUS STATIONING
1+28.78 RT TO 1+78.15 RT	49.4	VAR	37	45	8.4	37	WEST RADIUS STATIONING
<b>TOTALS</b>			2000	2572	460	2000	

## SIGNING SCHEDULE

LOCATION	SIGN NAME	STATE ROUTE SIGN	CARDINAL DIRECTION	DIRECTIONAL ARROW	U-TURN	"TO"	NO THRU	NO LEFT	"ALL TRAFFIC MUST TURN RIGHT"	ONE WAY	ONE WAY	ADVANCED DESTINATION GUIDE	WOOD SIGN SUPPORT	METAL POST - TYPE B	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY
		COMBINATION					COMBINATION			COMBINATION			FOOT	FOOT	POUND
	MUTCD #	M1-5	M3-1, 2, 3, 4	M6-2	M5-3	M4-5	R3-27	R3-2	R4-3	R6-11	R6-1r	SPECIALTY			
	SIZE	24" X 24"	24" X 12"	21" X 15"	21" X 15"	24" X 12"	24" X 24"	24" X 24"	30"X30"	36" X 12"	36" X 12"	9' X 7'			
	SHAPE	SQUARE	RECT.	RECT.	RECT.	RECT.	RECT.	RECT.	SQUARE	RECT.	RECT.	RECT.			
	SIGN AREA (SF)	4.00	2.00	2.19	2.19	2.00	4.00	4.00	6.25	3.00	3.00	63.00			
<b>IL 13</b>															
109+90										1				8	
112+10		1	1		1								11.25		
117+00		1	1		1								11.25		
119+00											1	1			744
<b>NORMAN RD. (PROPOSED)</b>															
0+22		2	2	2		1							23.5		
2+50							1	1					11		
2+85									1				9.5		
	SIGN PANEL TYPE	1	1	1	1	1	1	1	1	1	1	3			
	TOTAL SIGNS	4	4	2	2	1	1	1	1	1	1	1			
	TOTAL AREA (SF)	16.00	8.00	4.38	4.38	2.00	4.00	4.00	6.25	3.00	3.00	63.00			
	TOTAL												66.5	8	744

\* 1 "ONE WAY" WILL BE MOUNTED ON THE ADVANCED DESTINATION SIGN, THE OTHER WILL BE ON ITS OWN METAL POST - TYPE B

SIGN PANEL TYPE 1 TOTAL =	55	SQ FT
SIGN PANEL TYPE 3 TOTAL =	63	SQ FT

# PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LENGTH	MODIFIED URETHANE PAVEMENT MARKING						REMARKS
		LINE 4"				LINE 12"	LINE 24"	
		YELLOW		WHITE		WHITE	WHITE	
DBL SOLID FOOT	SOLID FOOT	SKIP DASH FOOT	SOLID FOOT	SKIP DASH FOOT	WHITE FOOT	WHITE FOOT		
<b>ILLINOIS 13 WB</b>								
108+86 TO 109+50	64	64						EDGE OF PAVEMENT
109+01 TO 109+50	49	68						MEDIAN CROSSOVER
109+43 TO 115+58	615	615						EDGE OF PAVEMENT
109+50 TO 112+62	312			312				TURN LANE
118+73 TO 120+13	140			178				EDGE OF PAVEMENT
119+85 TO 120+25	40			40				EDGE OF BIKE LANE
119+92 TO 120+25	33			84				NORMAN ROAD ISLAND
119+95 TO 120+15	20	20						EDGE OF PAVEMENT
120+43 TO 125+07	464			464				EDGE OF BIKE LANE
120+43 TO 126+06	563			1189				TURN LANE
120+51 TO 120+64	13	13						EDGE OF PAVEMENT
120+51 TO 128+17	766			782				EDGE OF PAVEMENT
120+15 TO 120+51	36		9					
126+25 TO 127+93	168		42					
120+01 TO 120+25					25			NORMAN ROAD ISLAND
120+55 TO 125+07					250			TURN LANE
126+15 TO 126+85	70	65						EDGE OF PAVEMENT
119+95						18		STOP BAR NORMAN ROAD
<b>ILLINOIS 13 EB</b>								
108+86 TO 109+01	15	15						EDGE OF PAVEMENT
108+86 TO 111+54	268			295				EDGE OF PAVEMENT
109+53 TO 109+64	11	11						EDGE OF PAVEMENT
113+84 TO 120+15	631	641						EDGE OF PAVEMENT
116+80 TO 120+02	322			322				TURN LANE
120+38 TO 127+13	675			774				EDGE OF PAVEMENT
120+02 TO 120+51	49	68						MEDIAN CROSSOVER
120+02 TO 120+44	42	42						EDGE OF PAVEMENT
121+94 TO 126+85	491	497						EDGE OF PAVEMENT
121+99 TO 127+08	509			509				BIKE LANE
122+49 TO 127+08	459			991				TURN LANE
127+57 TO 128+57	100			100				BIKE LANE
127+61 TO 128+61	100			100				BIKE LANE
109+00 TO 111+54	254				57			
109+00 TO 109+54	54		12					
126+50 TO 127+89	139		33					
123+41 TO 126+95					211			TURN LANE
127+51 TO 128+57					51			BIKE LANE
127+36						22		STOP BAR OLD IL 13
<b>NORMAN ROAD</b>								
0+16 TO 0+55	39	39						CENTERLINE
0+55 TO 2+91	236	472						CENTERLINE
0+74 TO 1+84	110			136				EDGE OF PAVEMENT
0+86 TO 2+91	205			118				EDGE OF PAVEMENT
1+96 TO 2+91	95			198				EDGE OF PAVEMENT
<b>SUBTOTALS</b>		472	2158	96	6592	57		
<b>TOTALS</b>				9375		537	40	

# PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LETTER & SYMBOLS	REMARKS
	WHITE	
	SQ FT	
<b>ILLINOIS 13 WB</b>		
STA 111+95	15.6	LEFT ARROW
STA 112+45	20.8	"ONLY"
STA 120+05	6.5	THRU ARROW
STA 120+17	4.7	BIKE SYMBOL
STA 122+36	6.5	THRU ARROW
STA 122+48	4.7	BIKE SYMBOL
STA 124+48	15.6	RIGHT ARROW
STA 124+90	6.5	THRU ARROW
STA 124+98	20.8	"ONLY"
STA 125+02	4.7	BIKE SYMBOL
<b>ILLINOIS 13 EB</b>		
STA 116+90	20.8	"ONLY"
STA 117+40	15.6	LEFT ARROW
STA 122+72	4.7	BIKE SYMBOL
STA 122+84	6.5	THRU ARROW
STA 123+52	20.8	"ONLY"
STA 124+02	15.6	RIGHT ARROW
STA 125+23	4.7	BIKE SYMBOL
STA 125+35	6.5	THRU ARROW
STA 128+30	4.7	BIKE SYMBOL
STA 128+42	6.5	THRU ARROW
<b>OLD IL 13</b>		
STA 127+31	15.6	OLD IL 13-LEFT ARROW
STA 127+31	20.8	OLD IL 13-"ONLY"
<b>NORMAN ROAD</b>		
STA 0+75	15.6	RIGHT ARROW
STA 1+25	20.8	"ONLY"
<b>SUBTOTALS</b>		
<b>TOTALS</b>	<b>286</b>	

# REMOVAL SCHEDULE

LOCATION STATION TO STATION	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	REMARKS
	SQ YD	SQ YD	FOOT	
<b>IL 13 EASTBOUND</b>				
STA 108+86 TO STA 111+54.2 RT		298		
STA 108+86 TO STA 109+64 LT		52		
STA 113+84 TO STA 120+44 LT		440		
STA 120+38 TO STA 126+63.7 RT		696		
STA 122+00 TO STA 126+93.1 LT		219		
STA 126+54 TO STA 127+02 RT			80	
STA 122+59.5 TO STA 126+79 LT	257			REMOVE EXISTING PAVEMENT 18' FROM CENTER
STA 126+63.7 TO STA 127+12.8 RT		78		
<b>IL 13 WESTBOUND</b>				
STA 108+86 TO STA 115+58 RT		448		
STA 118+73 TO STA 128+17 LT		1075		
STA 119+95 TO STA 120+44 LT		46		
STA 126+15 TO STA 126+93.1 RT		35		
STA 126+56 TO STA 126+93 RT	20			AROUND EXISTING MEDIAN NOSE
<b>MAIN STREET/OLD IL 13</b>				
STA 20+95 TO STA 21+73 LT	98			
<b>NORMAN ROAD</b>				
STA 22+91.5 TO STA 24+16	375			
STA 30+45 TO STA 31+75	309			
<b>TOTALS</b>	<b>1059</b>	<b>3387</b>	<b>80</b>	

## UNDERDRAIN TABLE

LOCATION	WESTBOUND		EASTBOUND		PIPE UNDERDRAINS, TYPE 2, 4"	PIPE UNDERDRAINS, 4" SPECIAL	CONCRETE HEADWALLS FOR PIPE DRAINS	REMOVE CONCRETE HEADWALLS FOR PIPEDRAINS	REMARKS
	OUTSIDE	MEDIAN	MEDIAN	OUTSIDE					
					FOOT	FOOT	EACH	EACH	
109+75 TO 115+48		568			568				
112+00		8				8	1	1	
113+80			8			8	1		
115+48		8				8	1		
116+00								1	
120+50 TO 126+25				577	577				
120+50				14		14	1		
121+00 TO 128+06	800				800				
121+00								2	
123+00				8		8	1		
125+00	8					8	1		
126+25				8		8	1		
128+06	15					15	1		
<b>TOTAL</b>					1945	77	8	4	

## DRAINAGE SCHEDULE

LOCATION STATION TO STATION	PIPE CULVERT REMOVAL	FLARED END SECTION REMOVAL	PIPE CULVERTS, CLASS A, TYPE 1, 24"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	INSERTION CULVERT LINER, 24"	CONCRETE COLLAR	TRENCH BACKFILL	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 06	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 24	PROTECTIVE COAT	REMARKS
	FOOT	EACH	FOOT	EACH	FOOT	CU YD	CU YD	FOOT	FOOT	SO YD	
<b>IL 13 WB</b>											
126+00 @ 68' LT		1	30	1	75	0.44	11				
<b>NORMAN RD.</b>											
119+97.64 LT TO 120+79.67 LT			85	2			31				IL 13 WESTBOUND STATIONING @ 62' LT
126+79. LT TO 127+56. LT	80										IL 13 WESTBOUND STATIONING @ 62' LT
0+18 LT TO 0+41.33 LT									18	5	
0+20 LT TO 0+41.33 LT								26		3	
120+06.34 LT TO 120+24.7 LT									23	7	IL 13 WESTBOUND STATIONING @ 18' LT
<b>TOTAL</b>	80	1	115	3	75	0.44	42	26	42	15	

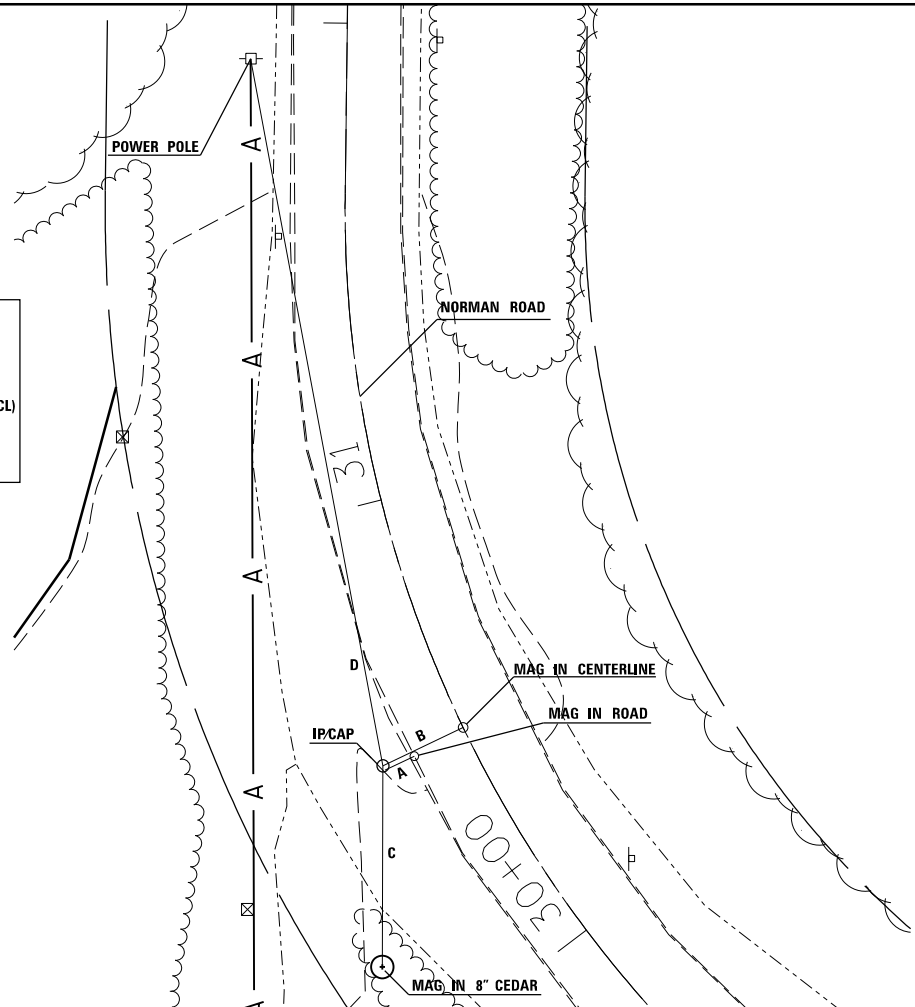


# EARTHWORK SCHEDULE

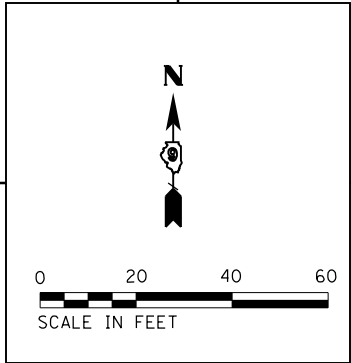
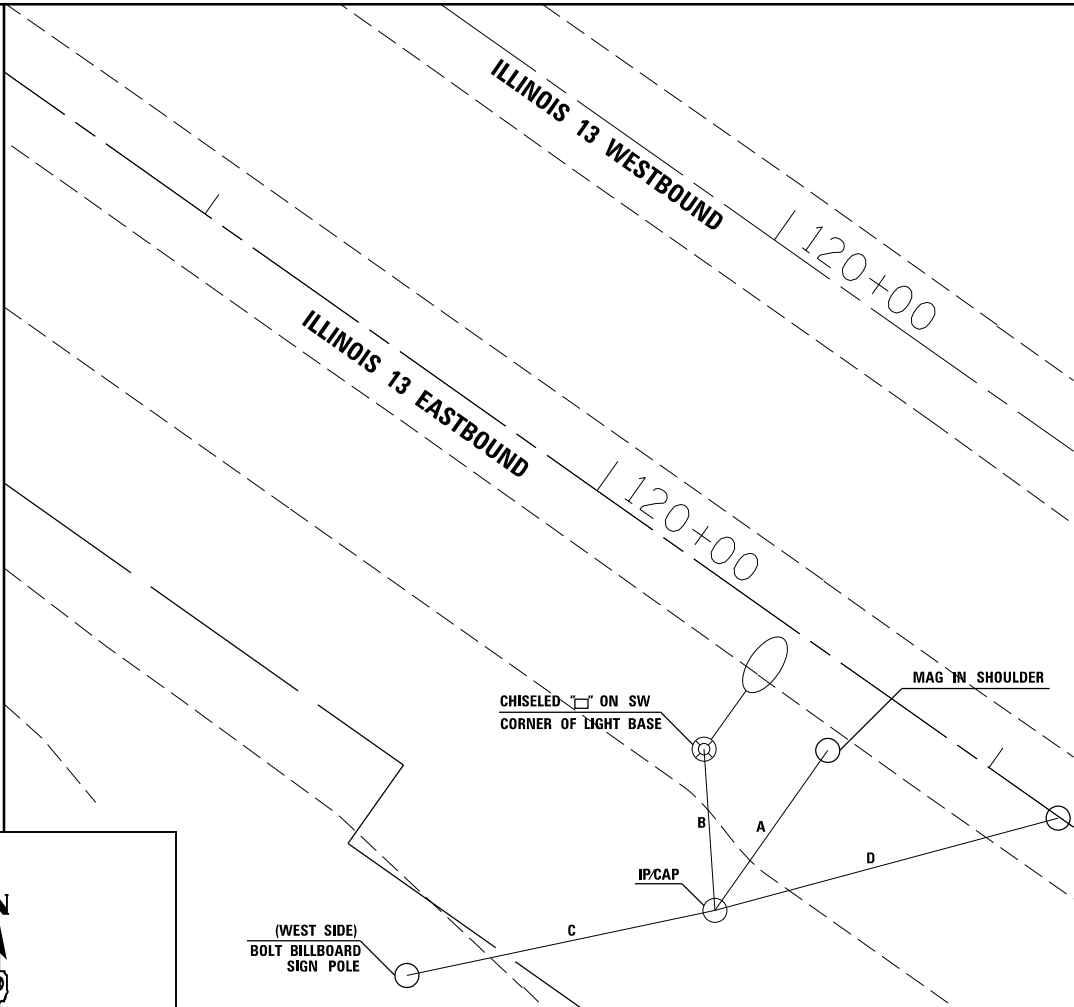
LOCATION STATION TO STATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
<b>MEDIAN</b>				
STA 108+00 TO STA 127+00	1300	975	379	596
<b>ILLINOIS 13 EB - RIGHT</b>				
STA 108+00 TO STA 111+75	195	146	514	-368
STA 119+25 TO STA 127+00	287	215	1263	-1048
<b>ILLINOIS 13 WB - LEFT</b>				
STA 120+75 TO STA 129+25	895	671	2154	-1483
<b>MAIN STREET RADIUS</b>				
STA 0+00 TO STA 1+70	218	164	223	-60
<b>NORMAN ROAD</b>				
STA 0+00 TO STA 2+80	1472	1104	314	790
<b>TOTALS</b>	4367	3275	4847	-1572

25% Shrinkage Factor for Earth Excavation

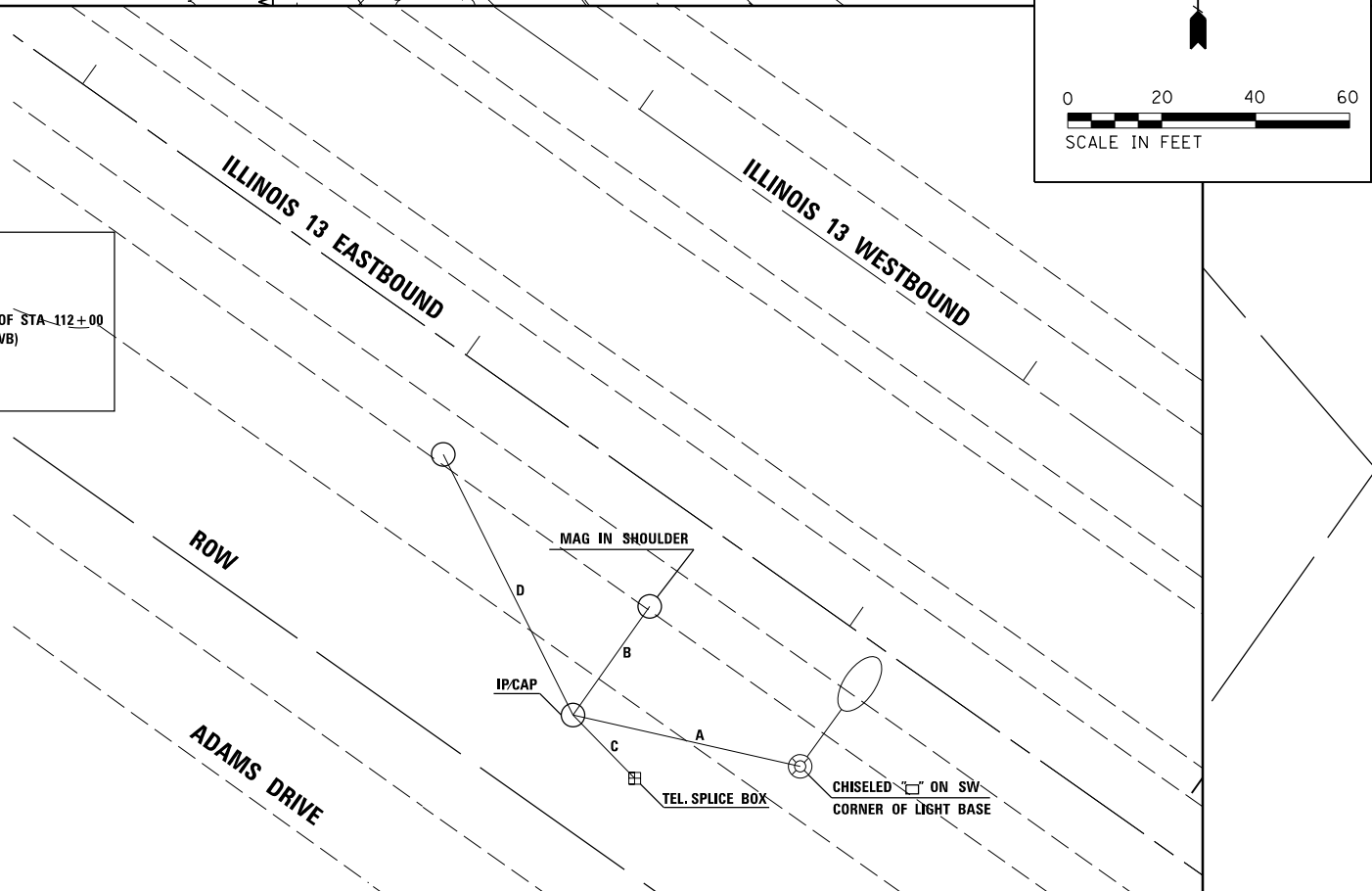
**POINT#1587**  
 A = 5.70'  
 B = 18.10'  
 C = 41.90'  
 D = 149.95'  
 STA 30 + 49.52(NORMAN CL)  
 18,528'LT  
 N 389,417.283  
 E 822,530.220



**POINT#1591**  
 A = 35.60'  
 B = 32.80'  
 C = 109.25'  
 D = APPROX. 29' WEST OF STA 121 + 00  
 STA 120 + 70.50(IL13 WB)  
 57,285'RT  
 N 389,150.480  
 E 822,375.480

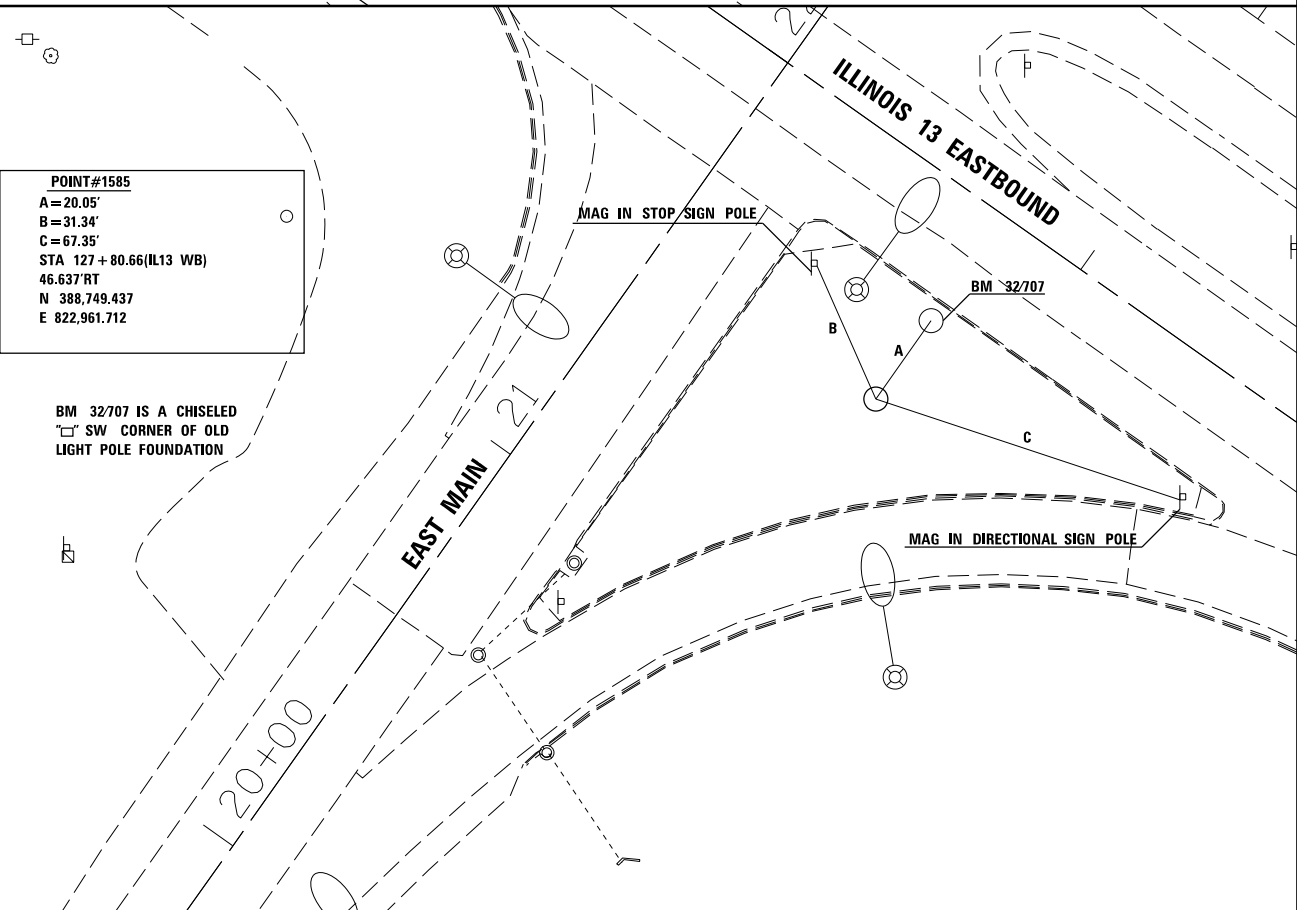


**POINT#1590**  
 A = 49.92'  
 B = 27.85'  
 C = 18.70'  
 D = APPROX. 62' EAST OF STA -112 + 00  
 STA 112 + 62.79(IL13 WB)  
 49,472'RT  
 N 389,622.724  
 E 821,720.217



**POINT#1585**  
 A = 20.05'  
 B = 31.34'  
 C = 67.35'  
 STA 127 + 80.66(IL13 WB)  
 46,637'RT  
 N 388,749.437  
 E 822,961.712

BM 32707 IS A CHISELED  
 SW CORNER OF OLD  
 LIGHT POLE FOUNDATION

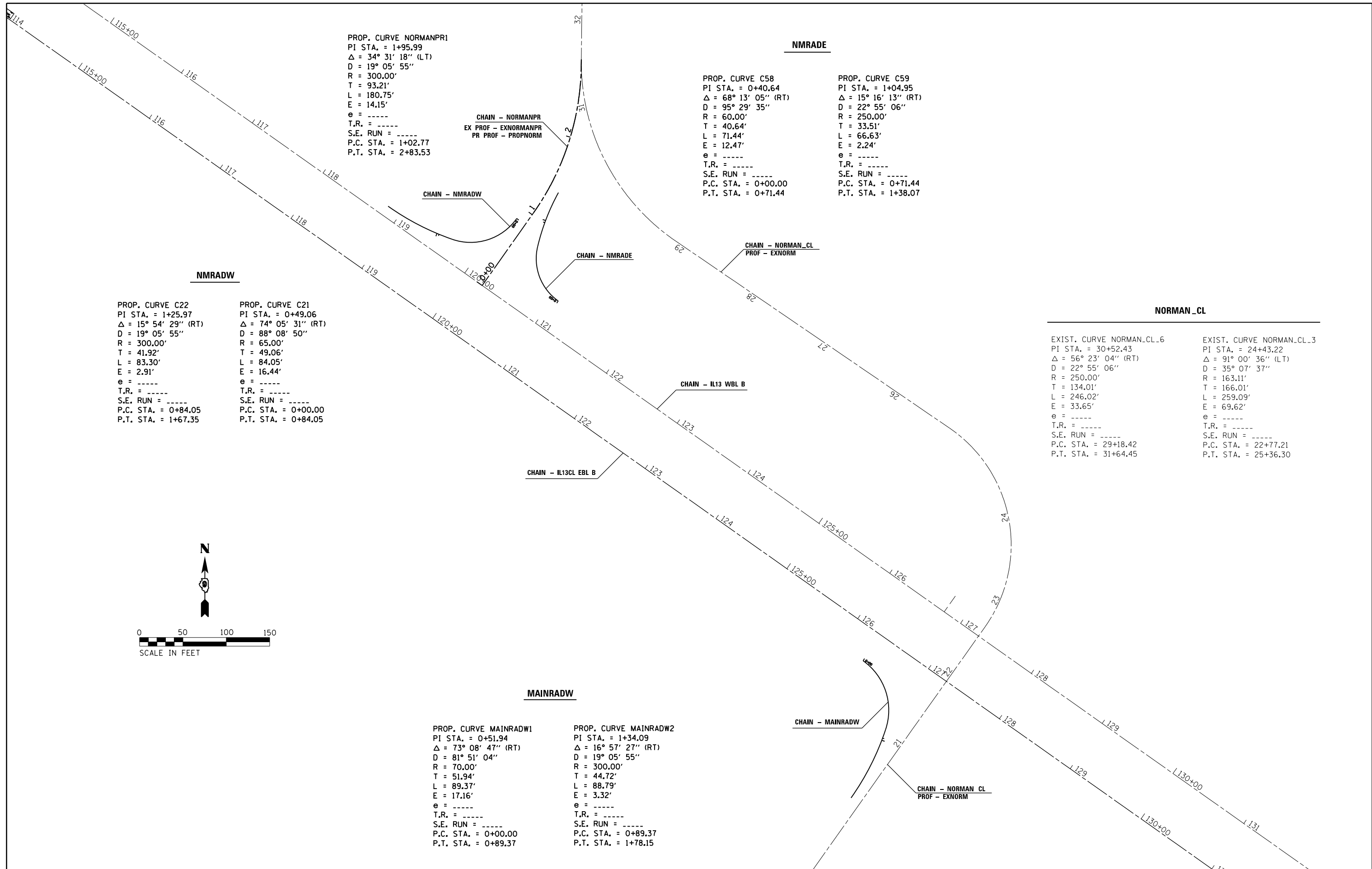


FILE NAME =	USER NAME = greenlees	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\78449\Drawings\CAD\Sheets\78449_shtb\tp.sch.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TIE POINTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	34
				CONTRACT NO. 78449
ILLINOIS FED. AID PROJECT				



PROP. CURVE NORMANPR1  
 PI STA. = 1+95.99  
 $\Delta = 34^\circ 31' 18''$  (LT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 93.21'  
 L = 180.75'  
 E = 14.15'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 1+02.77  
 P.T. STA. = 2+83.53

PROP. CURVE C58  
 PI STA. = 0+40.64  
 $\Delta = 68^\circ 13' 05''$  (RT)  
 D = 95° 29' 35"  
 R = 60.00'  
 T = 40.64'  
 L = 71.44'  
 E = 12.47'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+00.00  
 P.T. STA. = 0+71.44

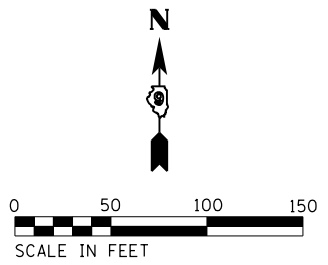
PROP. CURVE C59  
 PI STA. = 1+04.95  
 $\Delta = 15^\circ 16' 13''$  (RT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 33.51'  
 L = 66.63'  
 E = 2.24'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+71.44  
 P.T. STA. = 1+38.07

PROP. CURVE C22  
 PI STA. = 1+25.97  
 $\Delta = 15^\circ 54' 29''$  (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 41.92'  
 L = 83.30'  
 E = 2.91'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+84.05  
 P.T. STA. = 1+67.35

PROP. CURVE C21  
 PI STA. = 0+49.06  
 $\Delta = 74^\circ 05' 31''$  (RT)  
 D = 88° 08' 50"  
 R = 65.00'  
 T = 49.06'  
 L = 84.05'  
 E = 16.44'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+00.00  
 P.T. STA. = 0+84.05

EXIST. CURVE NORMAN\_CL\_6  
 PI STA. = 30+52.43  
 $\Delta = 56^\circ 23' 04''$  (RT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 134.01'  
 L = 246.02'  
 E = 33.65'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 29+18.42  
 P.T. STA. = 31+64.45

EXIST. CURVE NORMAN\_CL\_3  
 PI STA. = 24+43.22  
 $\Delta = 91^\circ 00' 36''$  (LT)  
 D = 35° 07' 37"  
 R = 163.11'  
 T = 166.01'  
 L = 259.09'  
 E = 69.62'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 22+77.21  
 P.T. STA. = 25+36.30



**MAINRADW**

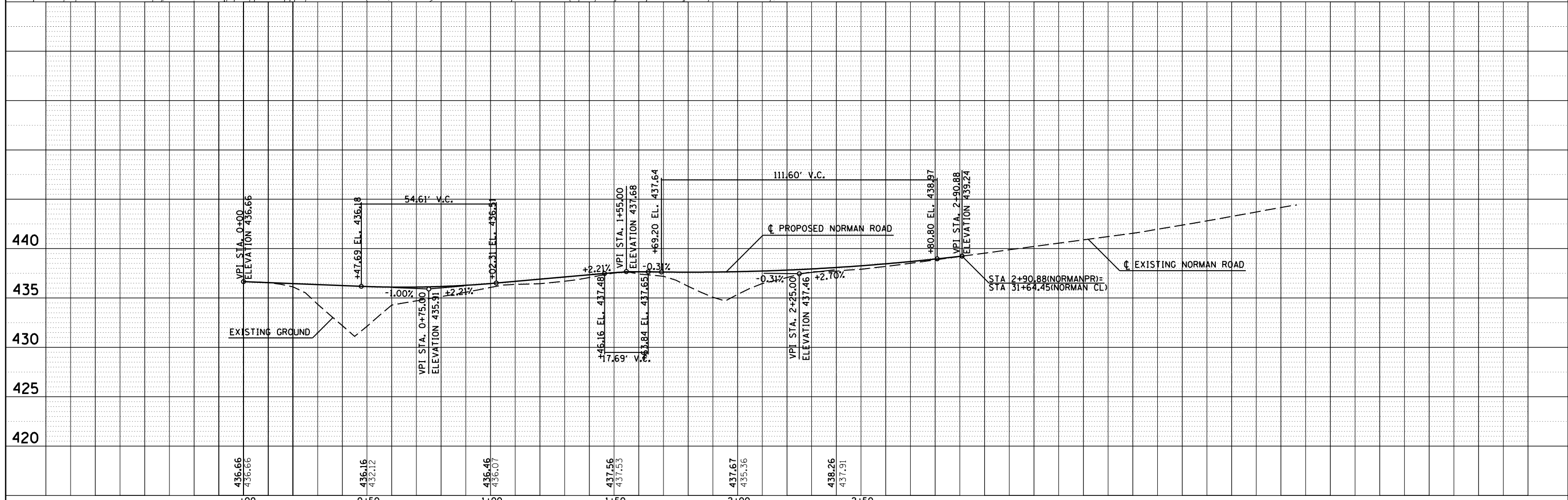
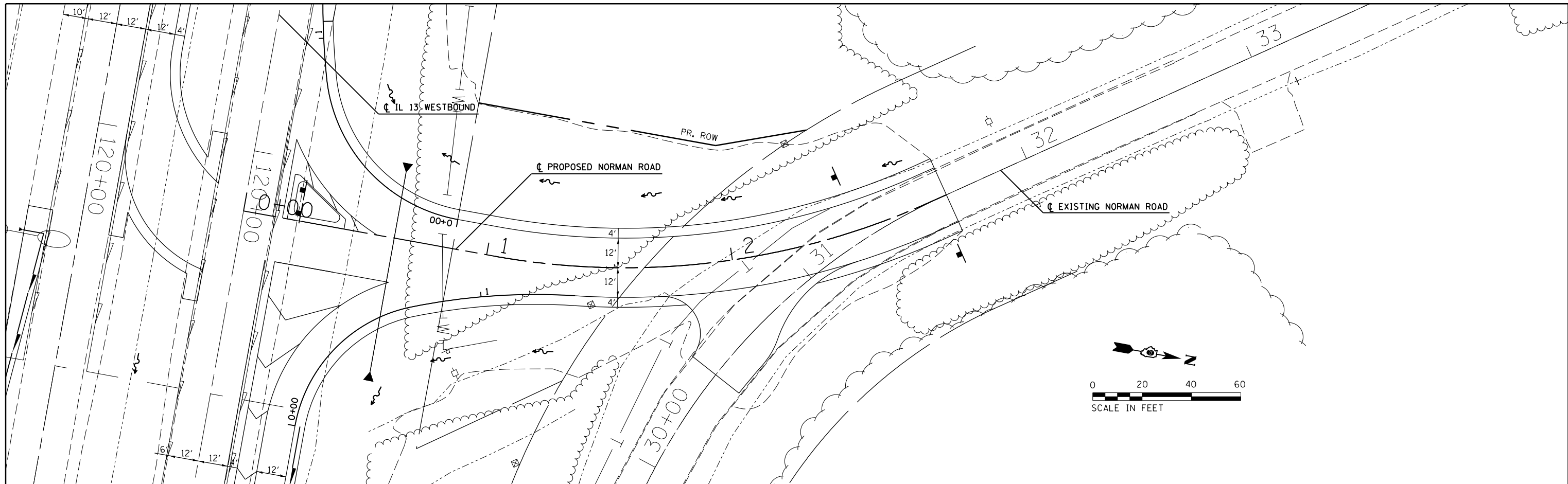
PROP. CURVE MAINRADW1  
 PI STA. = 0+51.94  
 $\Delta = 73^\circ 08' 47''$  (RT)  
 D = 81° 51' 04"  
 R = 70.00'  
 T = 51.94'  
 L = 89.37'  
 E = 17.16'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+00.00  
 P.T. STA. = 0+89.37

PROP. CURVE MAINRADW2  
 PI STA. = 1+34.09  
 $\Delta = 16^\circ 57' 27''$  (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 44.72'  
 L = 88.79'  
 E = 3.32'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+89.37  
 P.T. STA. = 1+78.15

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GEOPAK ELEMENTS IDENTIFICATION SHEET</b>	F.A.P. RTE. = 331	SECTION = 6-1(N-1)	COUNTY = WILLIAMSON	TOTAL SHEETS = 154	SHEET NO. = 35		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 6/24/2016	DATE -	REVISED -			CONTRACT NO. 78449						

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

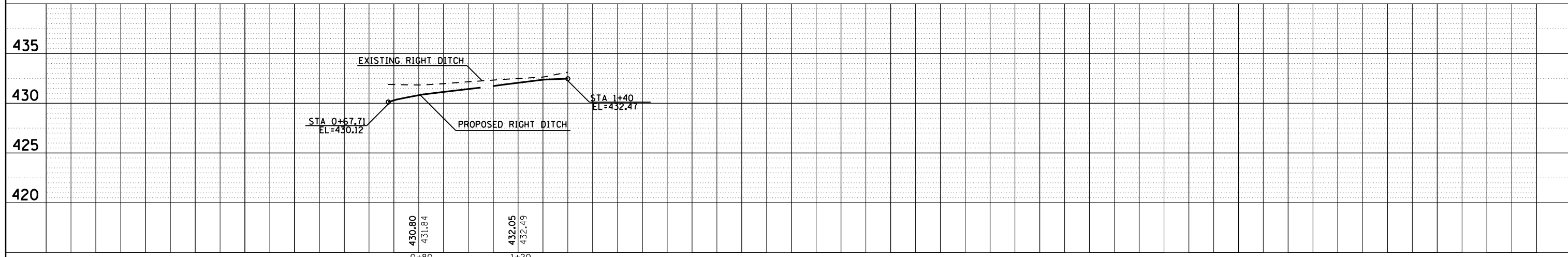
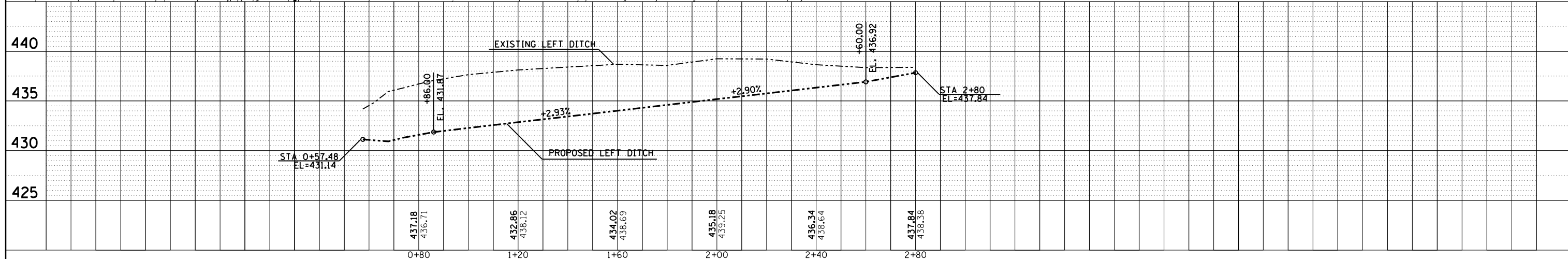
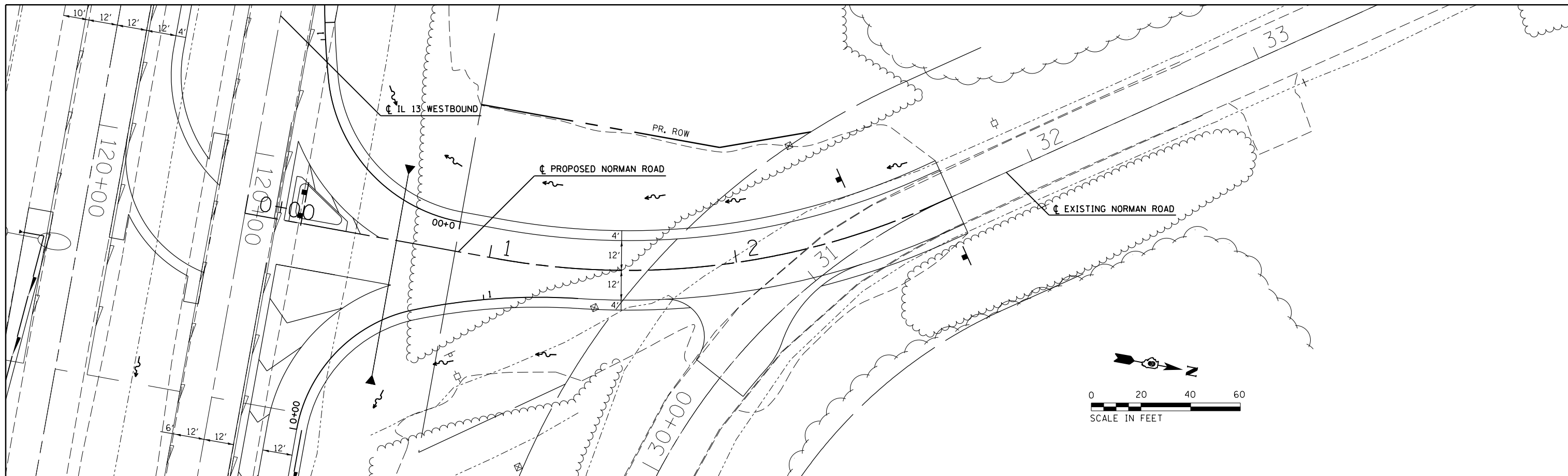
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	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
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FILE NAME =	USER NAME = greeniesm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>PLAN /PROFILE</b> <b>PROPOSED NORMAN ROAD</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -									331	6-1(N-1)	WILLIAMSON	154	36
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	PLOT DATE = 6/24/2016	DATE -	REVISED -													

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

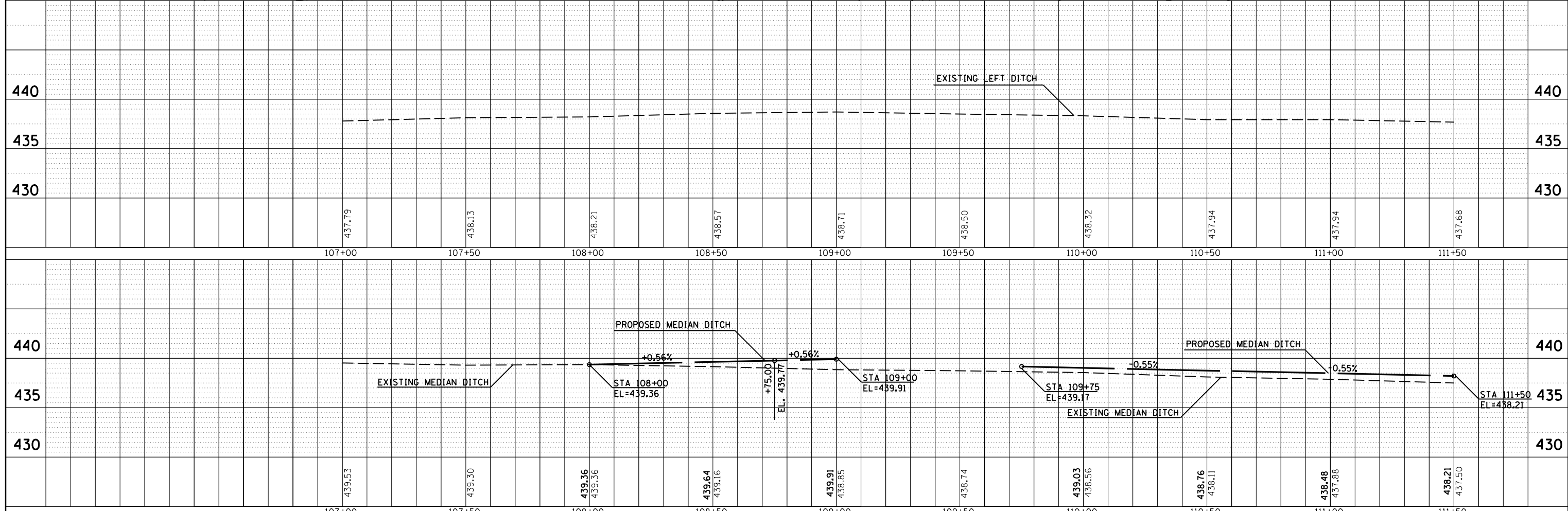
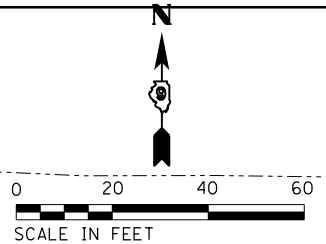
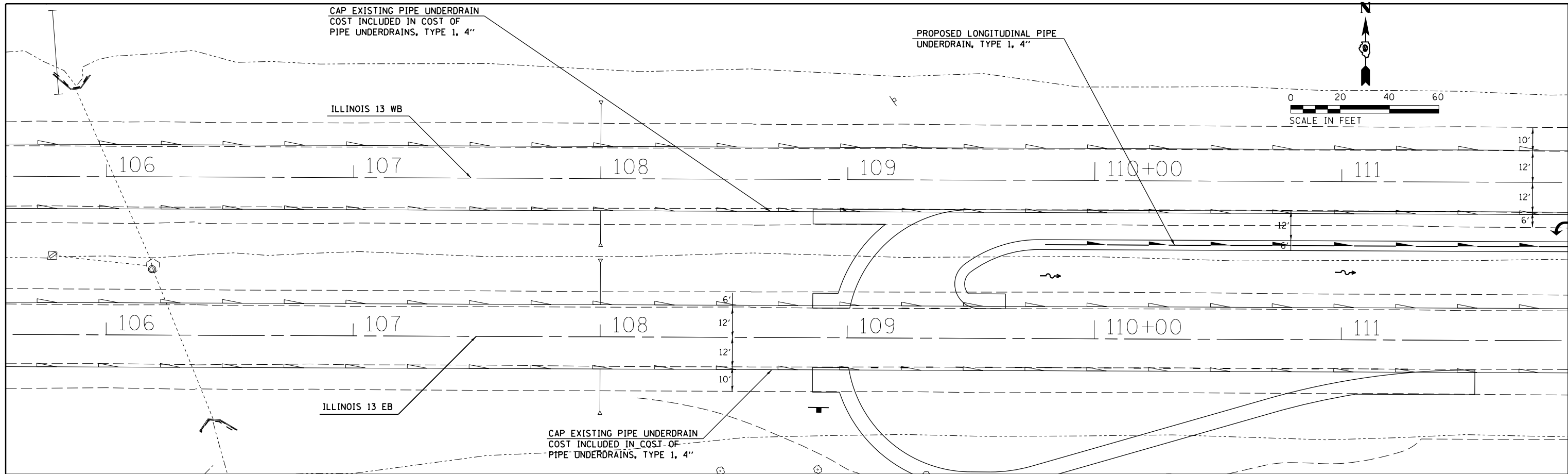
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DITCH PROFILE PROPOSED NORMAN ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78449\CHGKAD\Drawings\78449_shtc-planprf.dgn	CHECKED -	REVISED -	331			6-1(N-1)	WILLIAMSON	154	37	
Default	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			CONTRACT NO. 78449				
	PLOT DATE = 6/24/2016	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
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	FILE NAME		

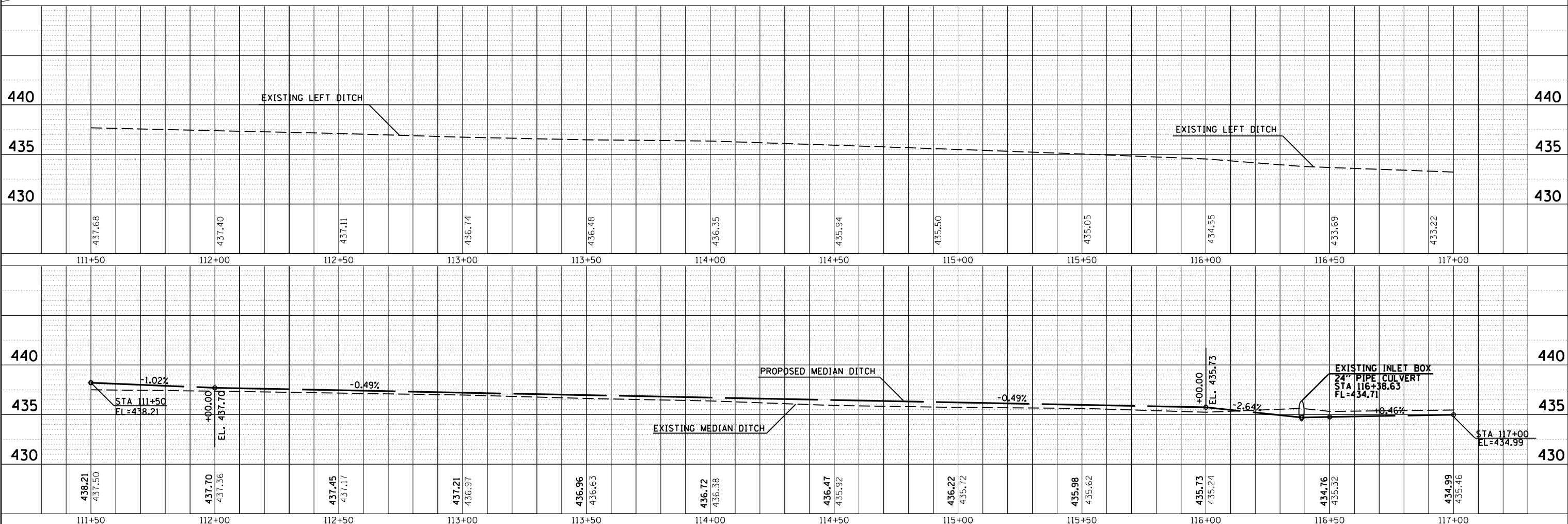
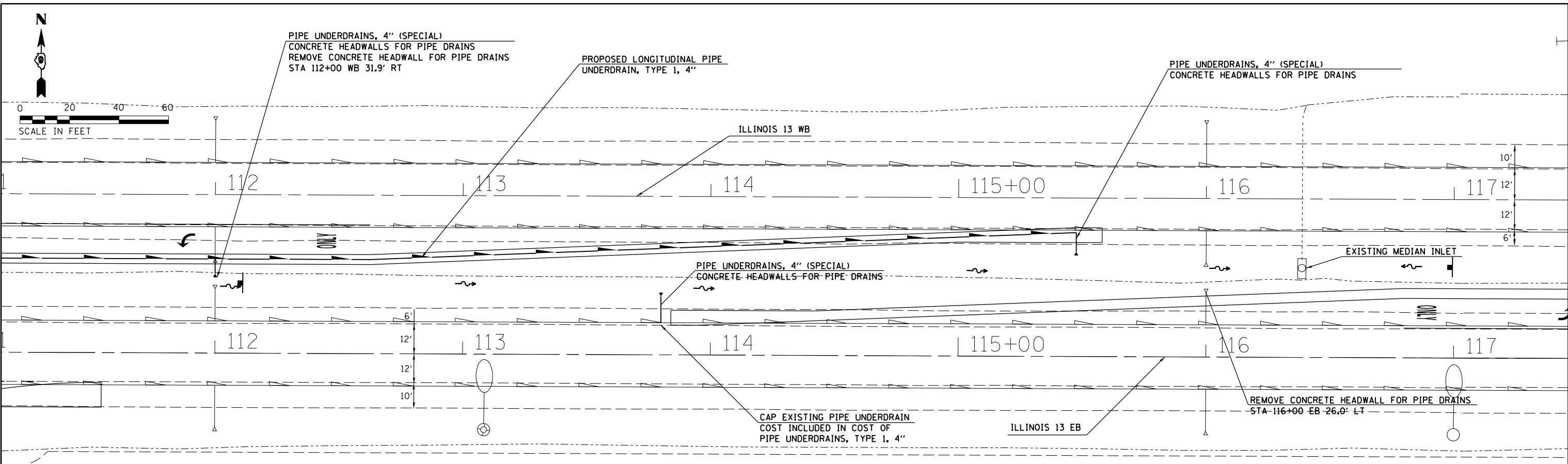
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	PLOTTED		
	NOTE BOOK		
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	CHECKED		
	FILE NAME		



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DITCH PROFILE ILLINOIS 13		F.A.P. RT. 331	SECTION 6-1(N-1)	COUNTY WILLIAMSON	TOTAL SHEETS 154	SHEET NO. 38
Default	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISIED -	SCALE:		SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78449				
	PLOT DATE = 6/24/2016	CHECKED -	REVISIED -					ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	NO.	
	NO.	
	NO.	

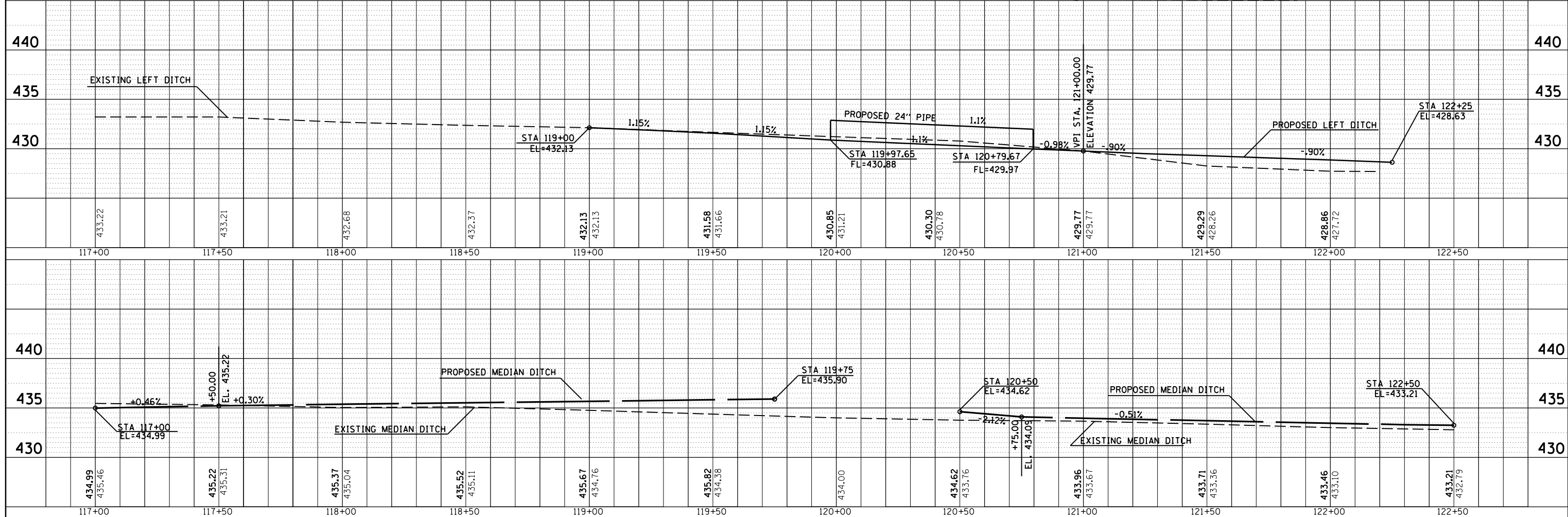
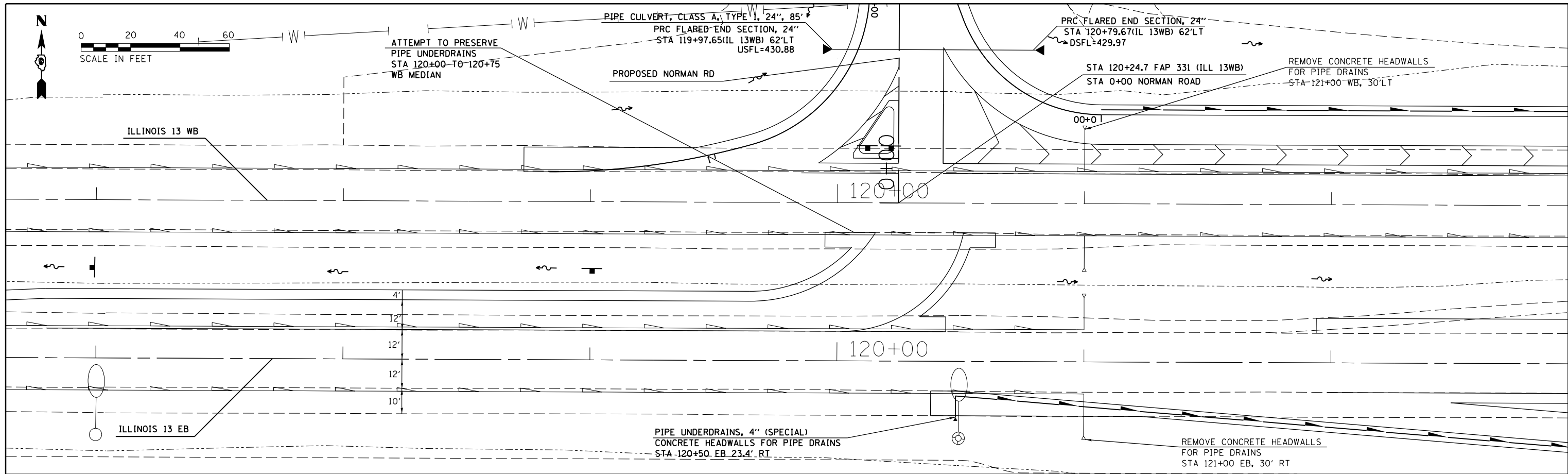
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	NO.	



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DITCH PROFILE</b> <b>ILLINOIS 13</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISOR -			331	6-1(N-1)	WILLIAMSON	154	39	
		DRAWN -	REVISOR -			CONTRACT NO. 78449					
		CHECKED -	REVISOR -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	
	NOTE BOOK	
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	PLOTTED	BY
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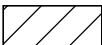

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Default	PLT SCALE = 40.0000' / in.	DRAWN -	REVISOR -	ILLINOIS 13				CONTRACT NO. 78449
	PLT DATE = 6/24/2016	CHECKED -	REVISOR -	DITCH PROFILE				ILLINOIS FED. AID PROJECT

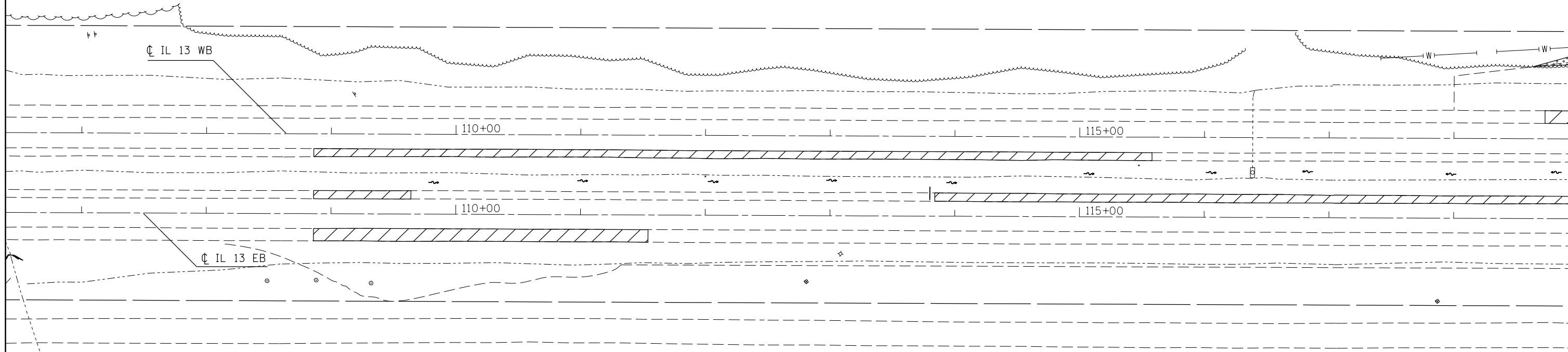
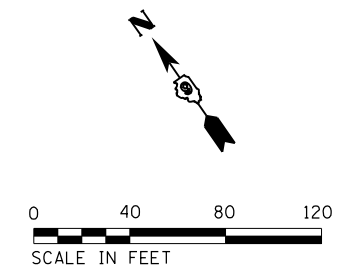
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.





-  PAVEMENT REMOVAL
-  SHOULDER REMOVAL
-  TREE REMOVAL (ACRE)



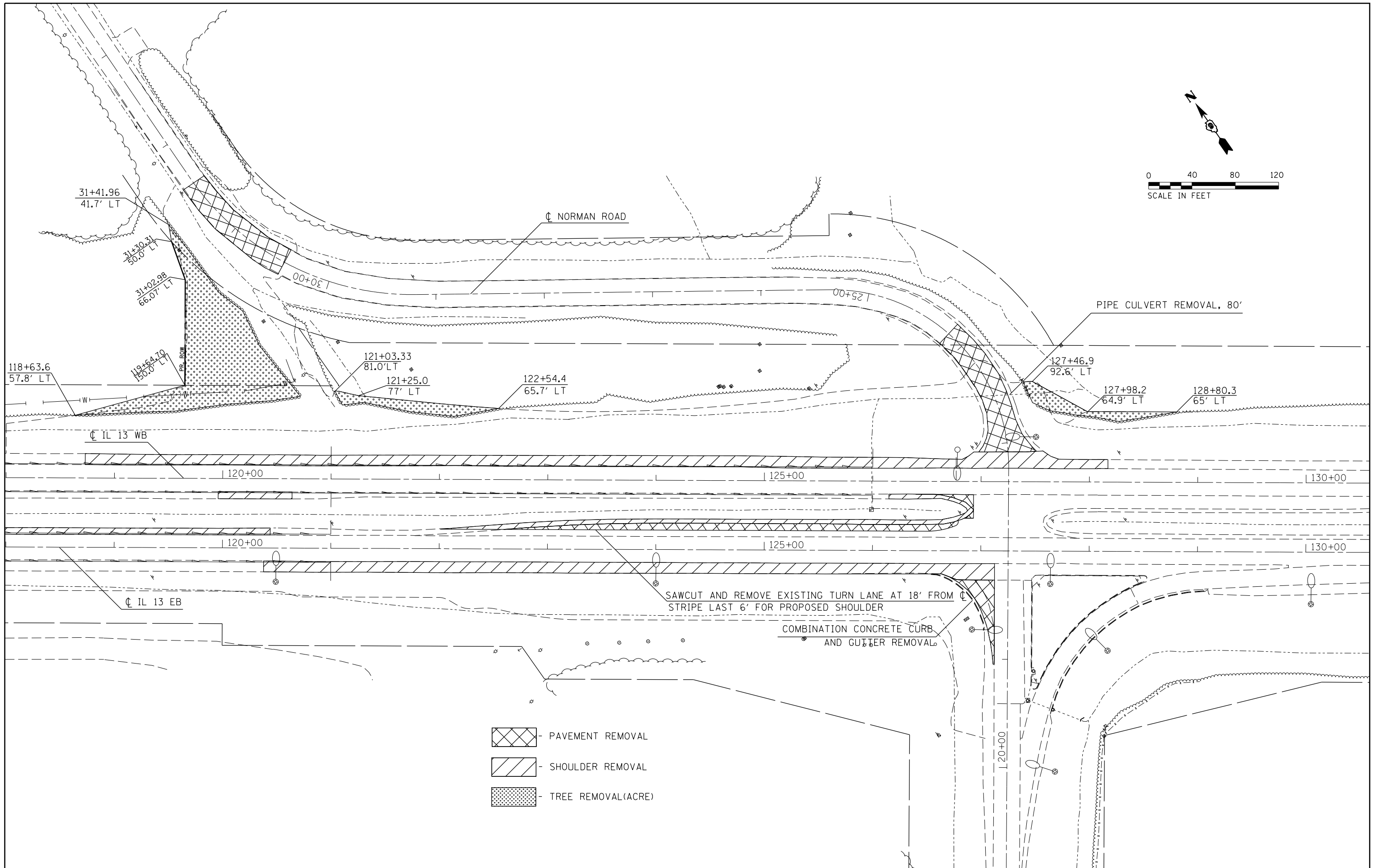
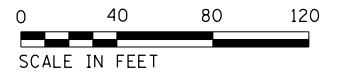
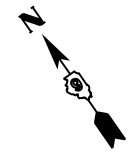
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	42
ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 78449</b>	



- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- TREE REMOVAL (ACRE)

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

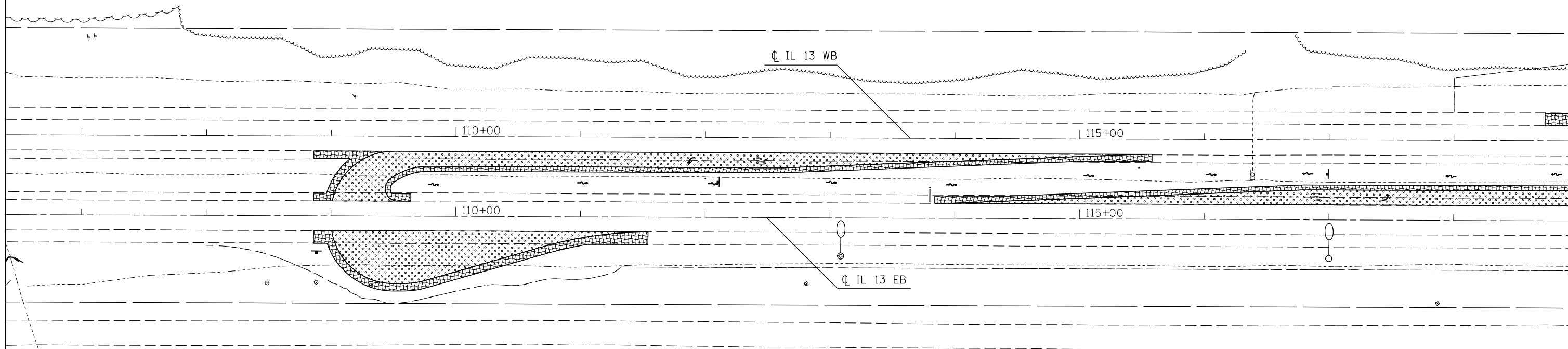
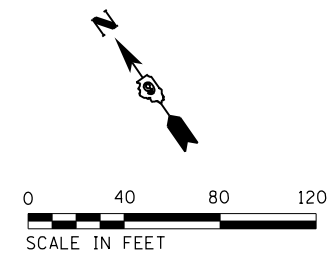
**REMOVAL SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	43
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				

ALTERNATE A

-  - PROPOSED HOT-MIX ASPHALT PAVEMENT(FULL-DEPTH), 12"  
PROPOSED SUB BASE GRANULAR MATERIAL,TYPE A, 9.5"
-  - PROPOSED HOT-MIX ASPHALT SHOULDERS, 12"  
PROPOSED SUB BASE GRANULAR MATERIAL, TYPE A, 9.5"



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

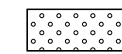

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

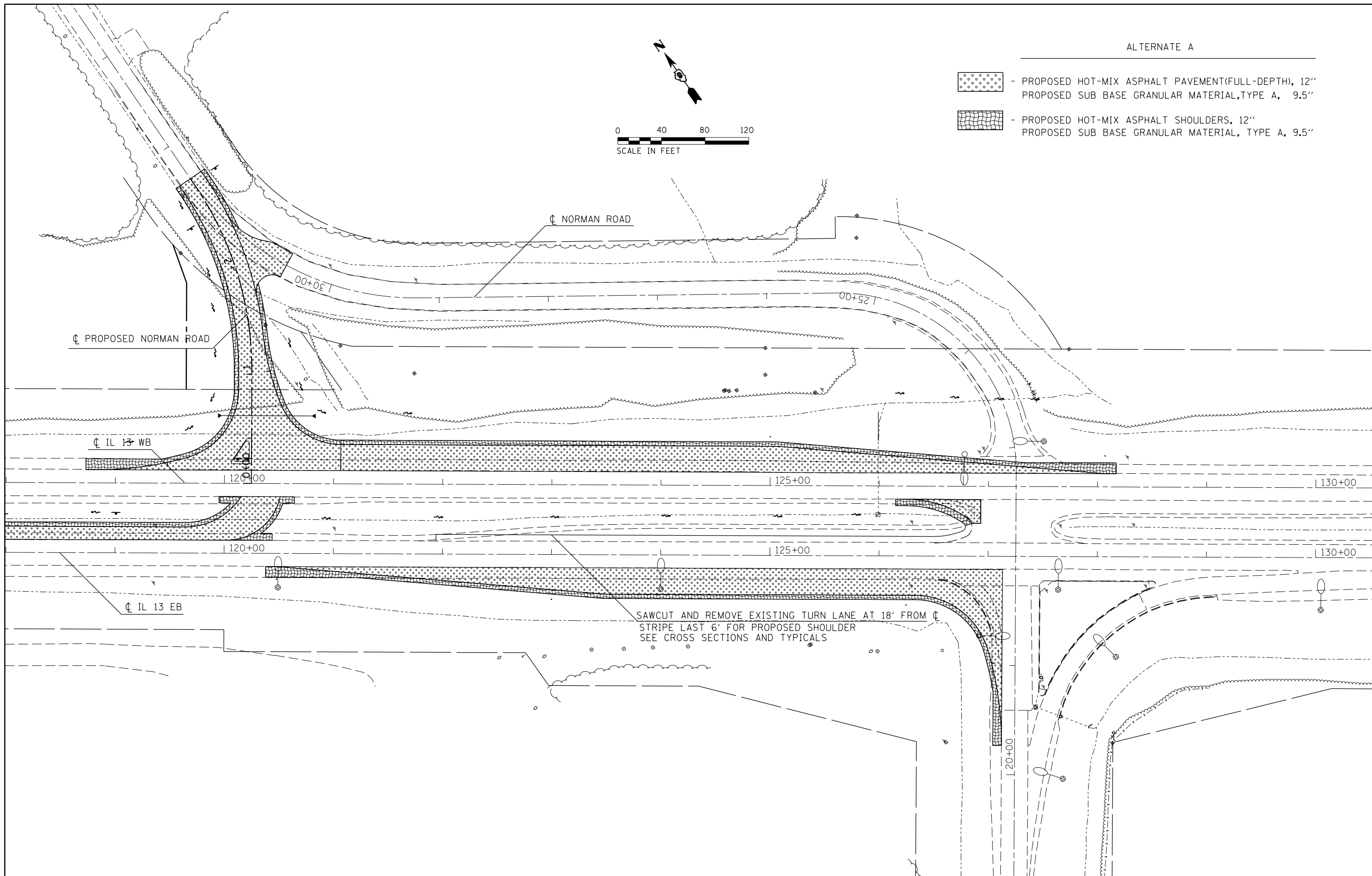
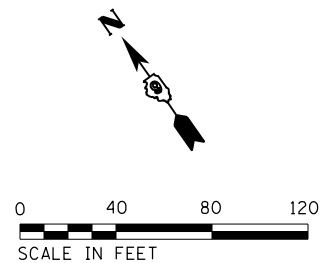
CONSTRUCTION SHEET  
ALTERNATE A

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	44
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				

ALTERNATE A

-  - PROPOSED HOT-MIX ASPHALT PAVEMENT(FULL-DEPTH), 12"  
PROPOSED SUB BASE GRANULAR MATERIAL, TYPE A, 9.5"
-  - PROPOSED HOT-MIX ASPHALT SHOULDERS, 12"  
PROPOSED SUB BASE GRANULAR MATERIAL, TYPE A, 9.5"



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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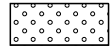
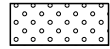
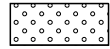
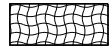
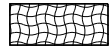
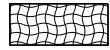
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

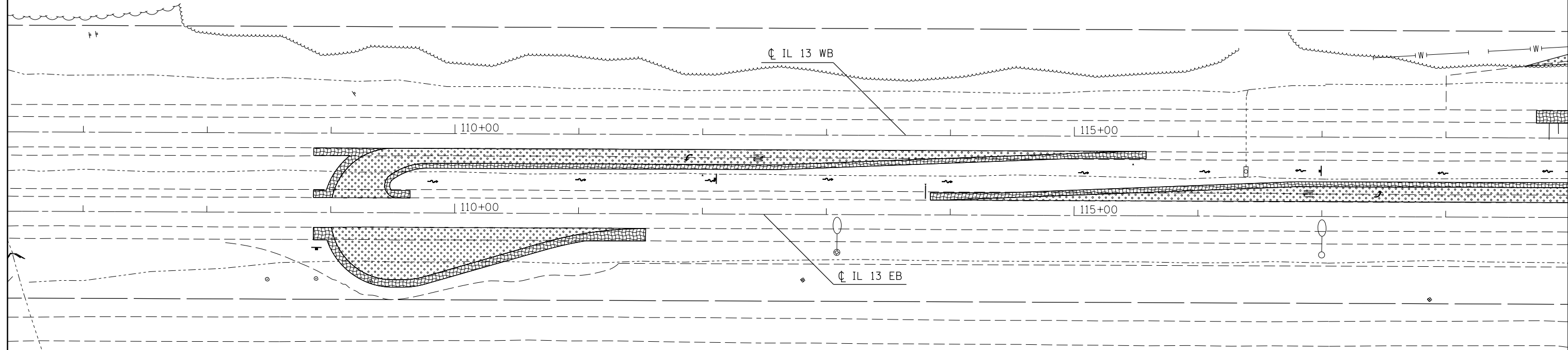
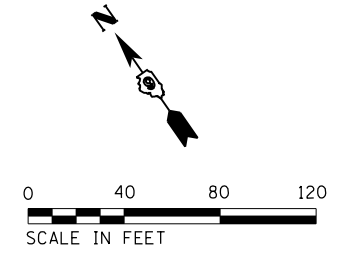
CONSTRUCTION SHEET  
ALTERNATE A

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	45
				CONTRACT NO. 78449
ILLINOIS FED. AID PROJECT				

ALTERNATE B

-  - PROPOSED PCC PAVEMENT, 9 1/2"(JOINTED)
-  - PROPOSED STABILIZED SUB-BASE, 4"
-  - PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
-  - PROPOSED PCC SHOULDER, 9 1/2"
-  - PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
-  - PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C, VARIABLE THICKNESS(TON)



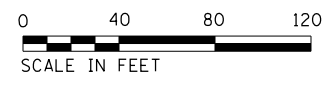
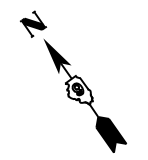
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

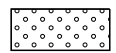

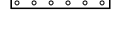
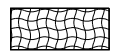
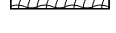

CONSTRUCTION SHEET  
ALTERNATE B

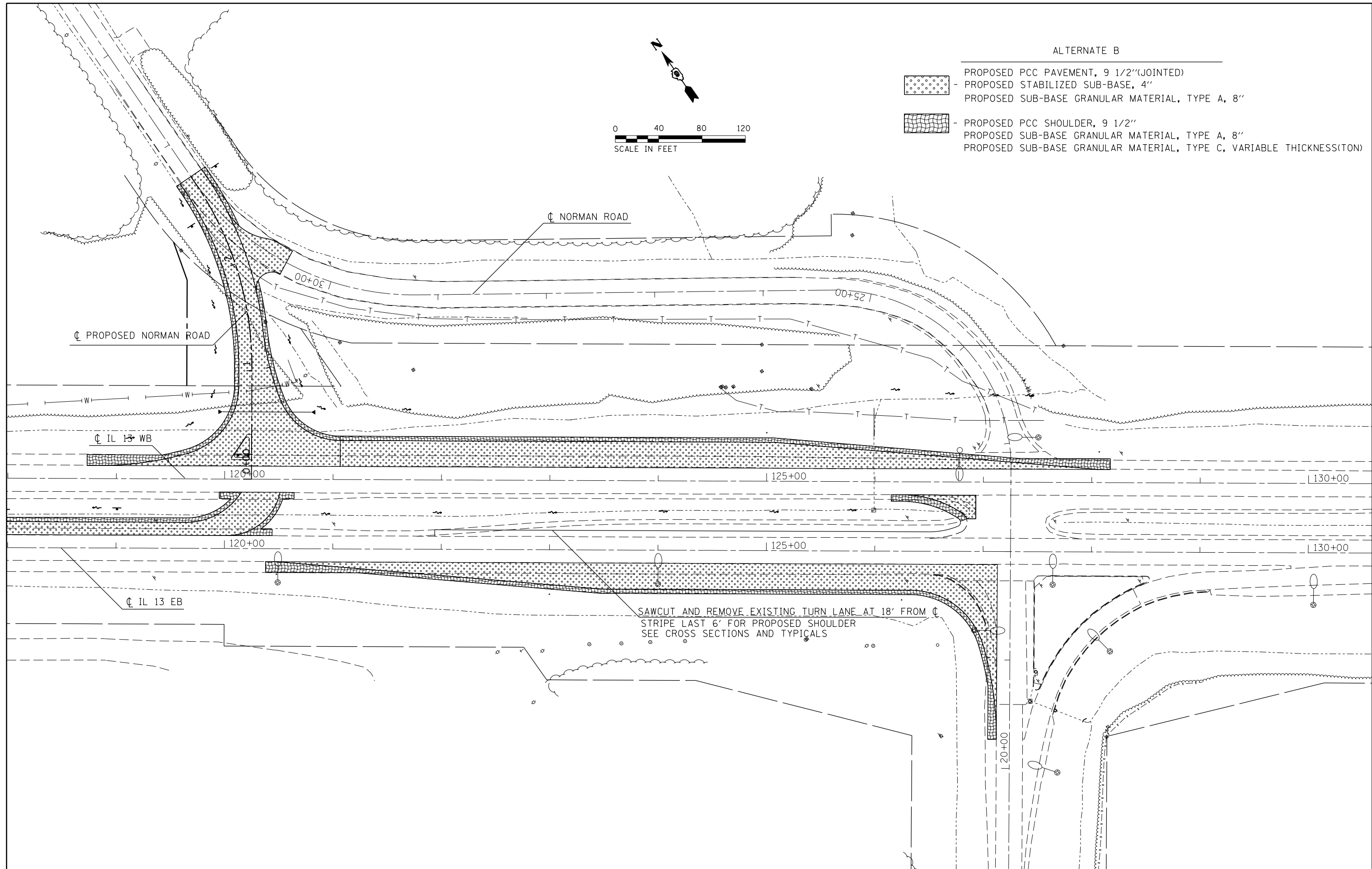
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	46
CONTRACT NO. 78449			ILLINOIS FED. AID PROJECT	



ALTERNATE B

-  PROPOSED PCC PAVEMENT, 9 1/2"(JOINTED)
-  PROPOSED STABILIZED SUB-BASE, 4"
-  PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
-  PROPOSED PCC SHOULDER, 9 1/2"
-  PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
-  PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C, VARIABLE THICKNESS(TON)



SAWCUT AND REMOVE EXISTING TURN LANE AT 18' FROM CENTERLINE STRIPE LAST 6' FOR PROPOSED SHOULDER SEE CROSS SECTIONS AND TYPICALS

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

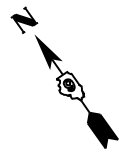
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION SHEET  
ALTERNATE B**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	47
<b>CONTRACT NO. 78449</b>				

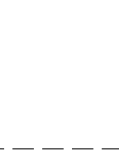
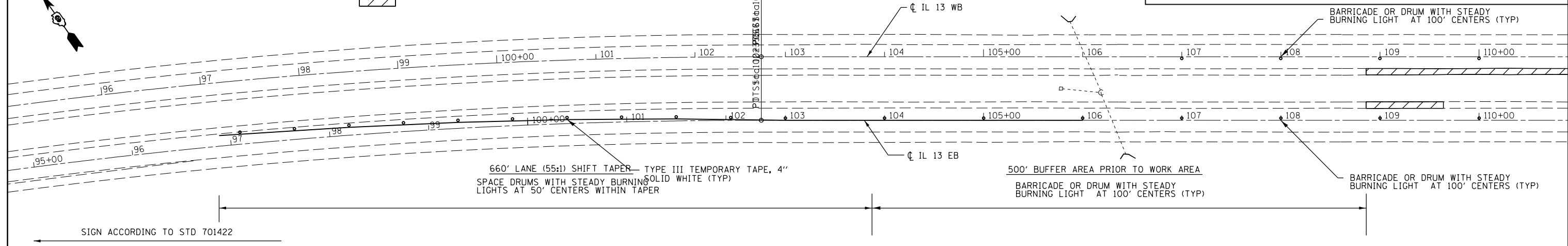
ILLINOIS FED. AID PROJECT



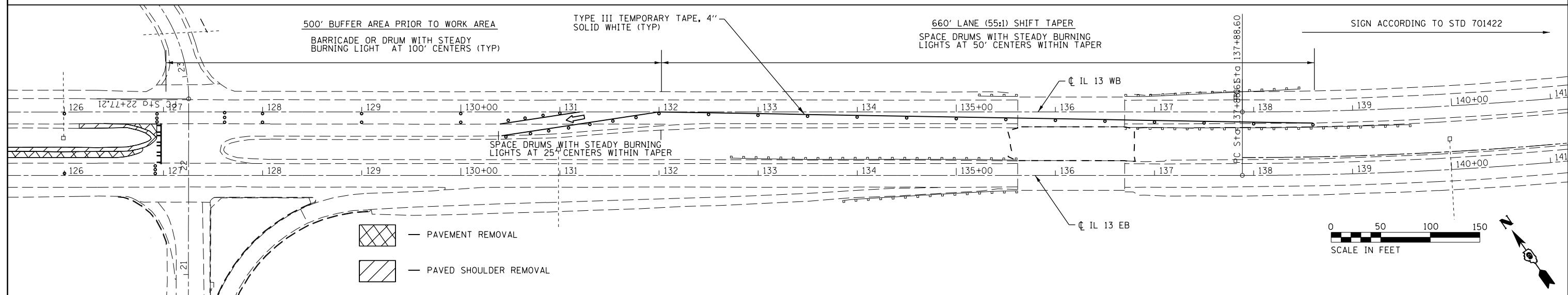
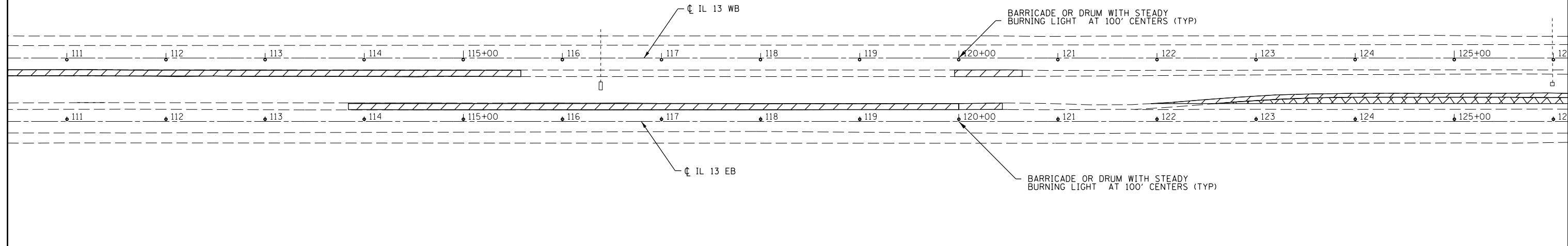
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL

**STAGE 1 - REMOVAL**

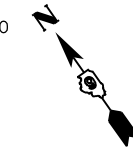
1. SHIFT TRAFFIC TO OUTSIDE LANES OF EB AND WB IL 13
2. CLOSE LEFT TURN LANE FROM IL 13 EB ONTO NORMAN RD.
3. REMOVE EXISTING SHOULDER AND PAVEMENT
4. 32 LANE RENTAL DAYS WILL BE PROVIDED FOR THIS STAGE



- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL





- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE 1 - REMOVAL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\78449\Drawings\CAD\Sheets\78449_shtd-stagecon\REVISED.dgn		DRAWN -	REVISED -		331	6-1(N-1)	WILLIAMSON	154	48			
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 78449							
	PLOT DATE = 6/24/2016	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT					

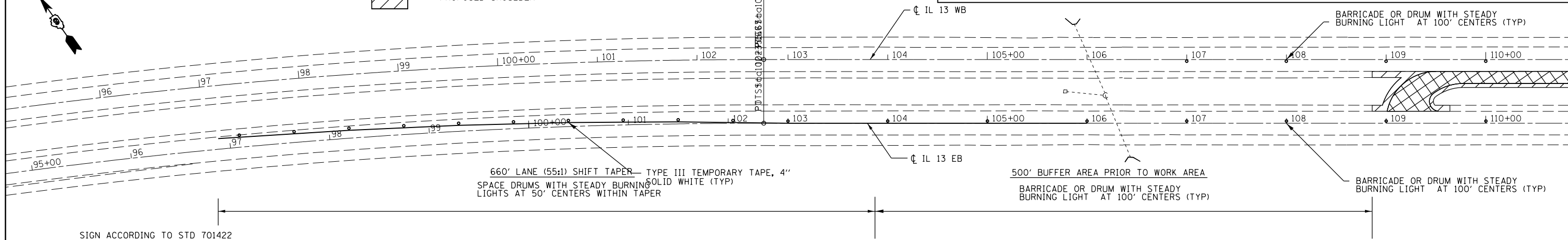






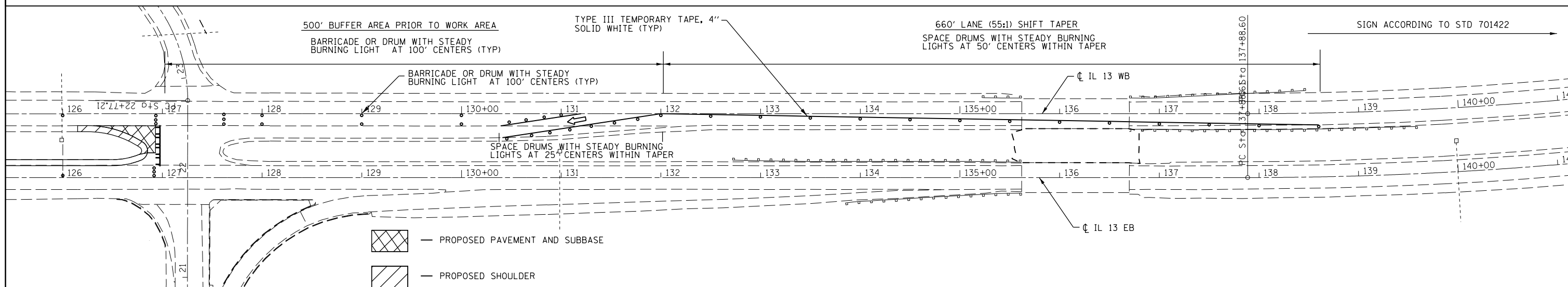
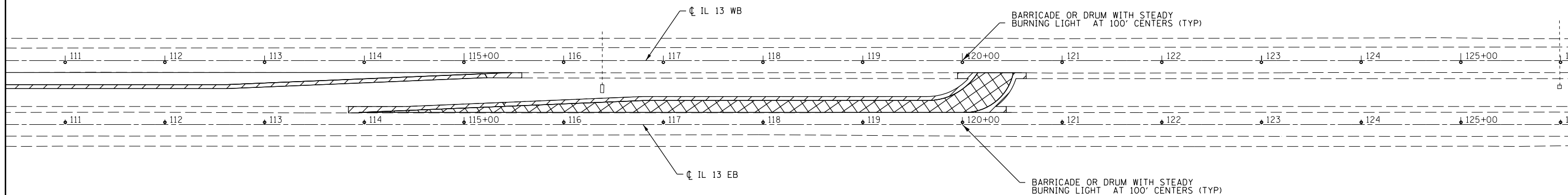
 — PROPOSED PAVEMENT AND SUBBASE  
 — PROPOSED SHOULDER



**STAGE 1 - CONSTRUCTION**

1. CONSTRUCT ALL PAVEMENT, SUBBASE, AND SHOULDER IN THE MEDIAN OF IL 13
2. EAST MEDIAN LEFT TURN SHALL BE BARRICADED UNTIL THE COMPLETION OF STAGE 2
3. WEST MEDIAN LEFT TURN SHALL BE BARRICADED UNTIL THE COMPLETION OF STAGE 3 (SEE STAGE 3 SHEETS FOR DETAILS)
4. 32 LANE RENTAL DAYS WILL BE PROVIDED FOR THIS STAGE



 — PROPOSED PAVEMENT AND SUBBASE  
 — PROPOSED SHOULDER



 — PROPOSED PAVEMENT AND SUBBASE  
 — PROPOSED SHOULDER

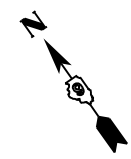
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 1 - CONSTRUCTION**

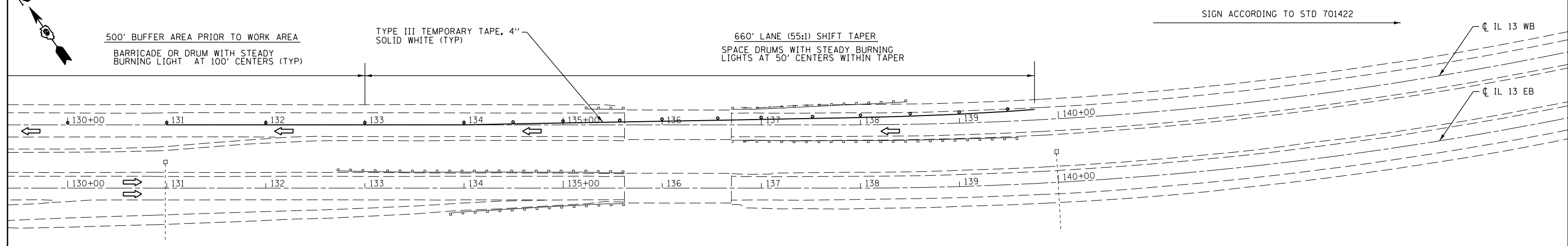
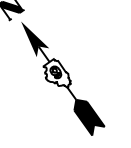
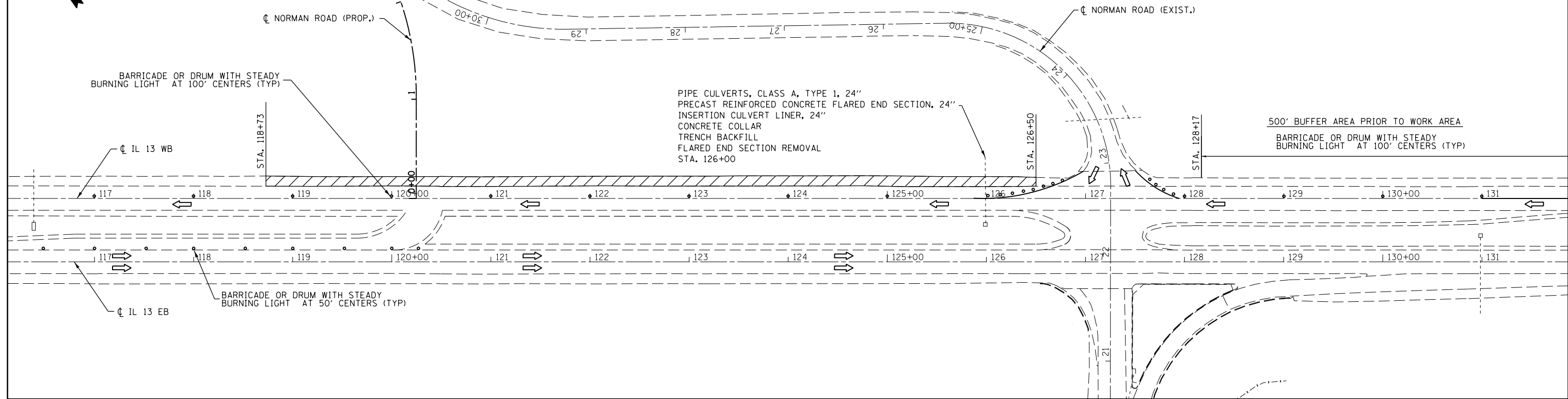
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	49
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL

- STAGE 2A - REMOVAL**
1. SHIFT TRAFFIC TO INSIDE LANE OF IL 13 WB
  2. REMOVE EXISTING HMA SHOULDER
  3. 18 LANE RENTAL DAYS WILL BE PROVIDED FOR ALL OF STAGE 2
  4. 10 INTERSECTION RENTAL DAYS WILL BE PROVIDED FOR THE CLOSURE OF NORMAN RD. FOR ALL OF STAGE 2



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78449\Drawings\CAD\Drawings\78449_shtd-stage2a\stage2a.dwg		DRAWN -	REVISED -
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	PLOT DATE = 6/24/2016	DATE -	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2A - REMOVAL**

SCALE: SHEET OF SHEETS STA. TO STA.

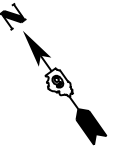
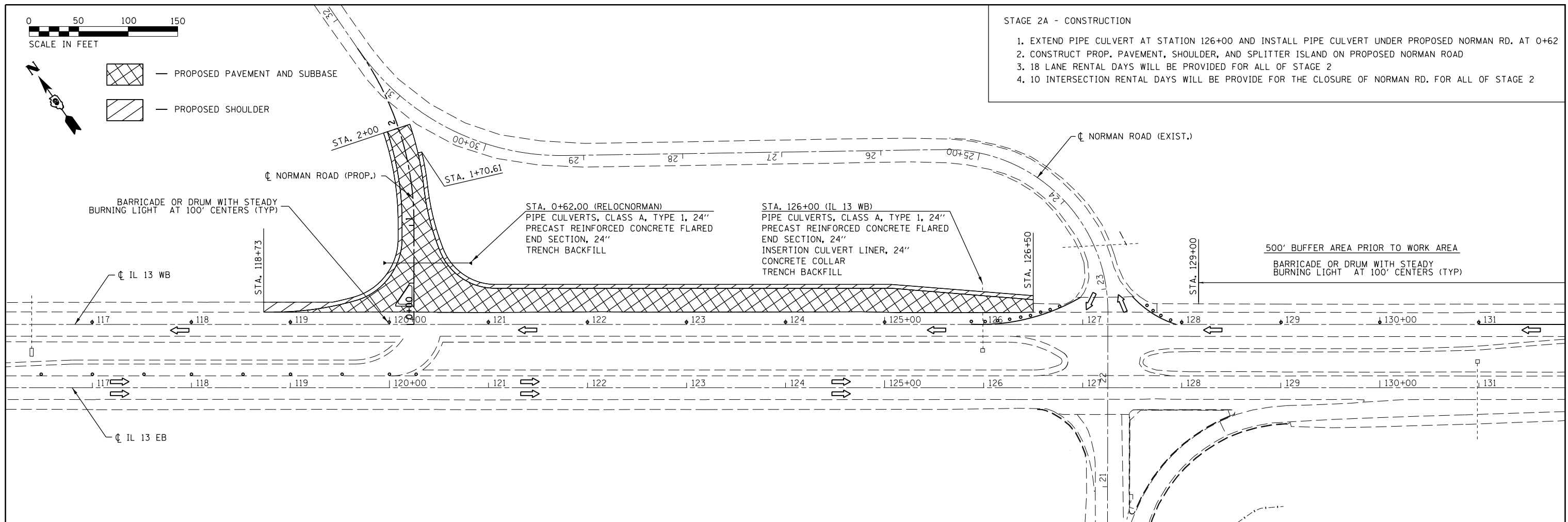
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	50
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				



 — PROPOSED PAVEMENT AND SUBBASE  
 — PROPOSED SHOULDER

**STAGE 2A - CONSTRUCTION**

1. EXTEND PIPE CULVERT AT STATION 126+00 AND INSTALL PIPE CULVERT UNDER PROPOSED NORMAN RD. AT 0+62
2. CONSTRUCT PROP. PAVEMENT, SHOULDER, AND SPLITTER ISLAND ON PROPOSED NORMAN ROAD
3. 18 LANE RENTAL DAYS WILL BE PROVIDED FOR ALL OF STAGE 2
4. 10 INTERSECTION RENTAL DAYS WILL BE PROVIDE FOR THE CLOSURE OF NORMAN RD. FOR ALL OF STAGE 2

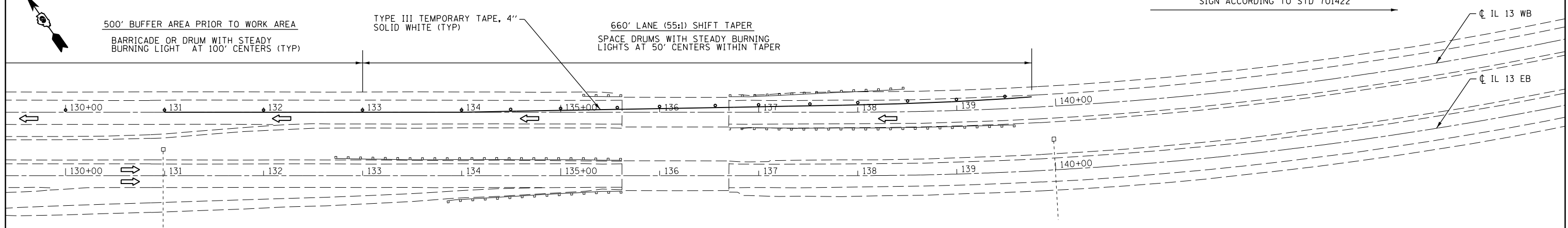


500' BUFFER AREA PRIOR TO WORK AREA  
 BARRICADE OR DRUM WITH STEADY BURNING LIGHT AT 100' CENTERS (TYP)

TYPE III TEMPORARY TAPE, 4"  
 SOLID WHITE (TYP)

660' LANE (55:1) SHIFT TAPER  
 SPACE DRUMS WITH STEADY BURNING LIGHTS AT 50' CENTERS WITHIN TAPER

SIGN ACCORDING TO STD 701422



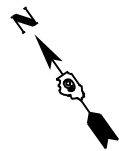
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2A - CONSTRUCTION**

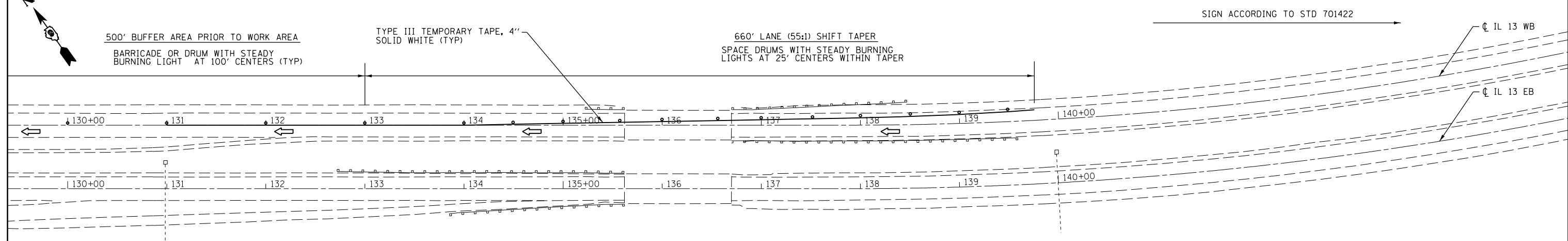
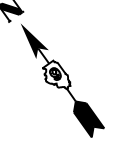
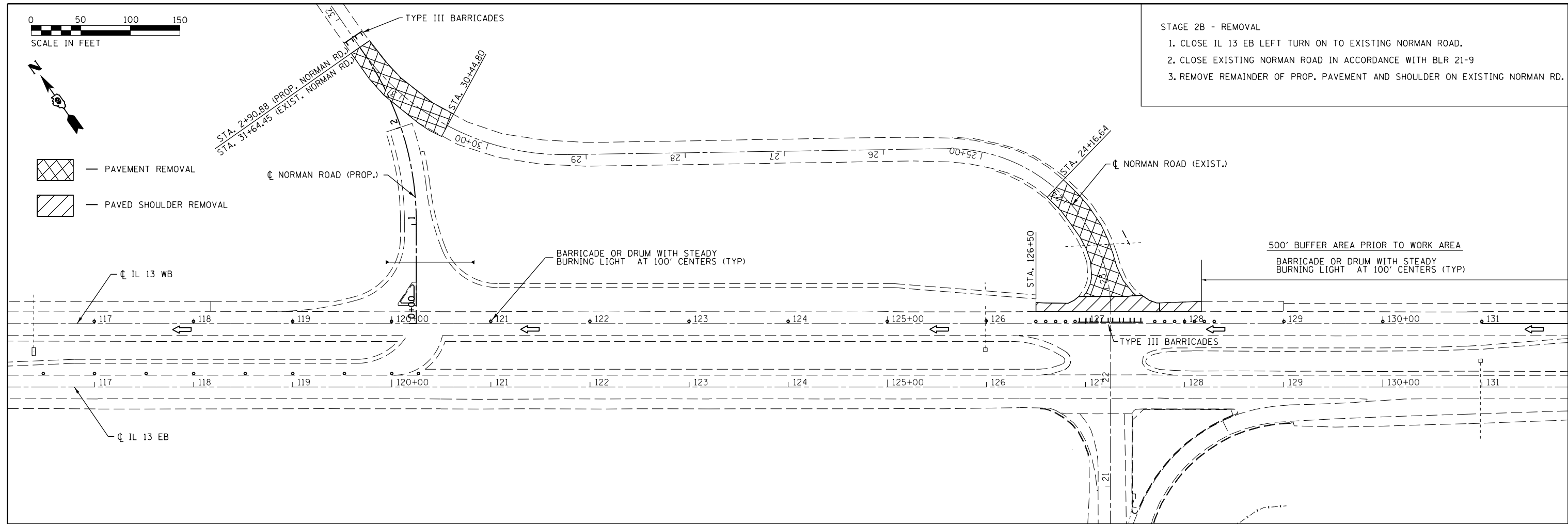
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	51
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				



- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL

- STAGE 2B - REMOVAL**
1. CLOSE IL 13 EB LEFT TURN ON TO EXISTING NORMAN ROAD.
  2. CLOSE EXISTING NORMAN ROAD IN ACCORDANCE WITH BLR 21-9
  3. REMOVE REMAINDER OF PROP. PAVEMENT AND SHOULDER ON EXISTING NORMAN RD.



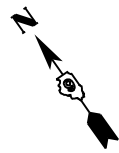
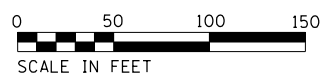
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2B - REMOVAL**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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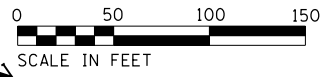
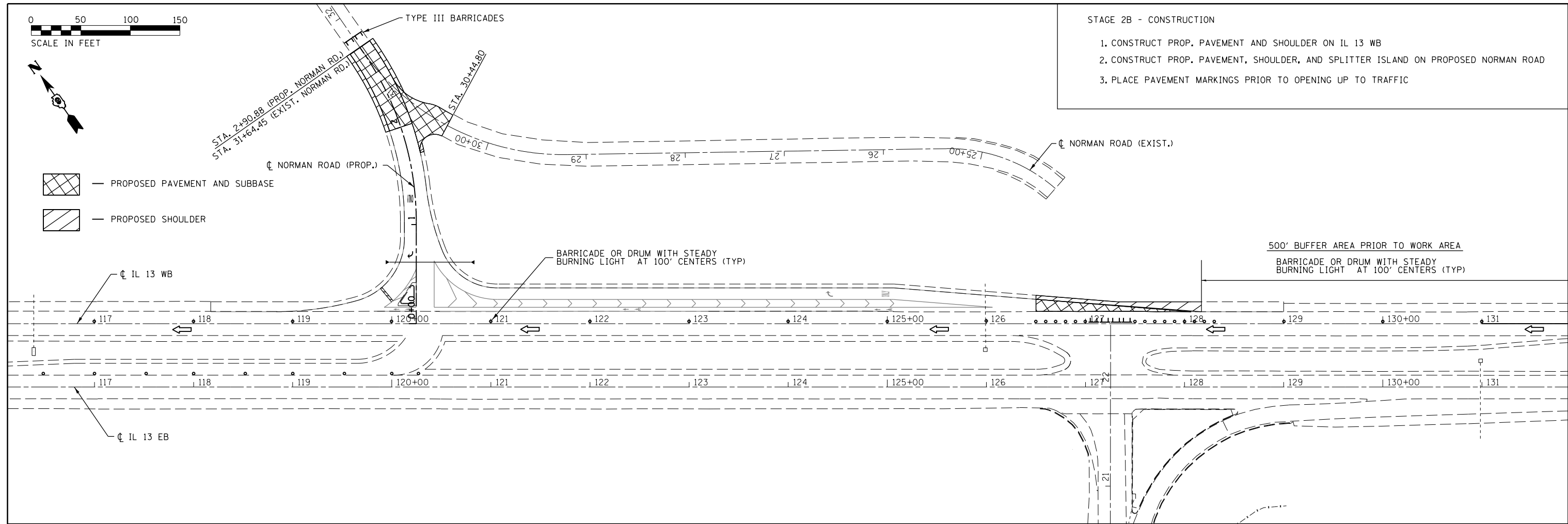
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	52
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



- PROPOSED PAVEMENT AND SUBBASE
- PROPOSED SHOULDER

**STAGE 2B - CONSTRUCTION**

1. CONSTRUCT PROP. PAVEMENT AND SHOULDER ON IL 13 WB
2. CONSTRUCT PROP. PAVEMENT, SHOULDER, AND SPLITTER ISLAND ON PROPOSED NORMAN ROAD
3. PLACE PAVEMENT MARKINGS PRIOR TO OPENING UP TO TRAFFIC

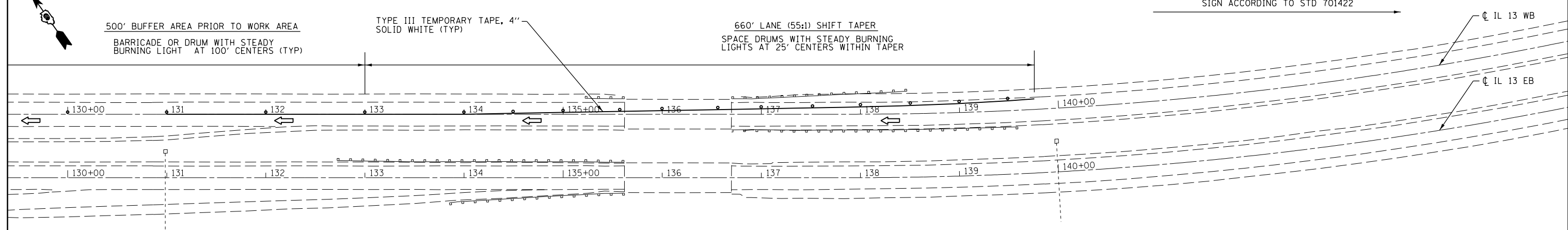


500' BUFFER AREA PRIOR TO WORK AREA  
BARRICADE OR DRUM WITH STEADY BURNING LIGHT AT 100' CENTERS (TYP)

TYPE III TEMPORARY TAPE, 4" SOLID WHITE (TYP)

660' LANE (55:1) SHIFT TAPER  
SPACE DRUMS WITH STEADY BURNING LIGHTS AT 25' CENTERS WITHIN TAPER

SIGN ACCORDING TO STD 701422



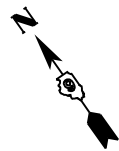
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2B - CONSTRUCTION**

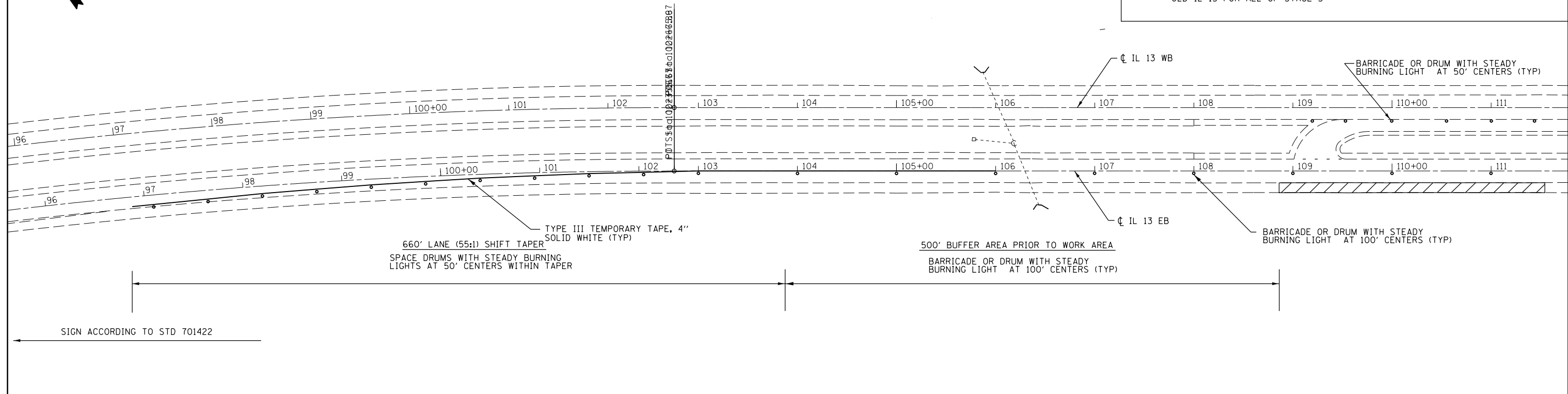
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	53
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				

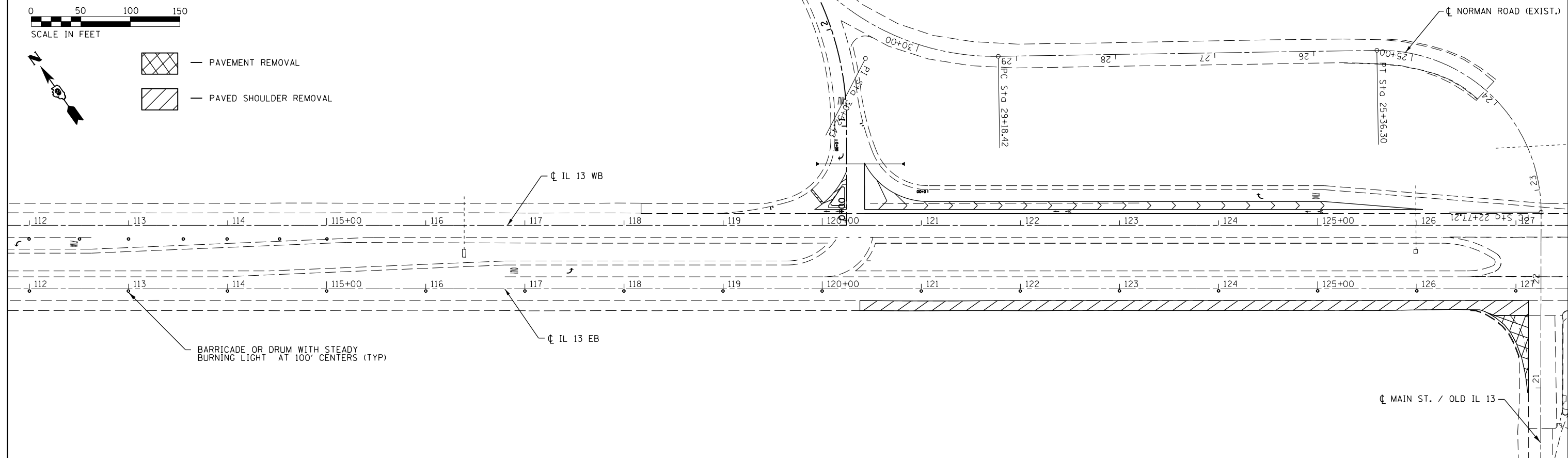


- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL

- STAGE 3 - REMOVAL**
1. SHIFT TRAFFIC TO INSIDE LANE OF IL 13 EB
  2. REMOVE EXISTING PAVEMENT AND SHOULDER
  3. 16 LANE RENTAL DAYS WILL BE PROVIDED FOR ALL OF STAGE 3
  4. AT ANY TIME A LANE RENTAL DAY IS IN EFFECT THE WEST MEDIAN LEFT TURN SHOULD BE CLOSE TO TRAFFIC AS WELL.
  5. 6 INTERSECTION RENTAL DAYS WILL BE PROVIDE FOR THE CLOSURE OF MAIN ST./ OLD IL 13 FOR ALL OF STAGE 3



- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL



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	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 3 - REMOVAL**

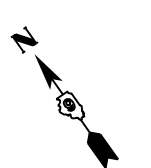
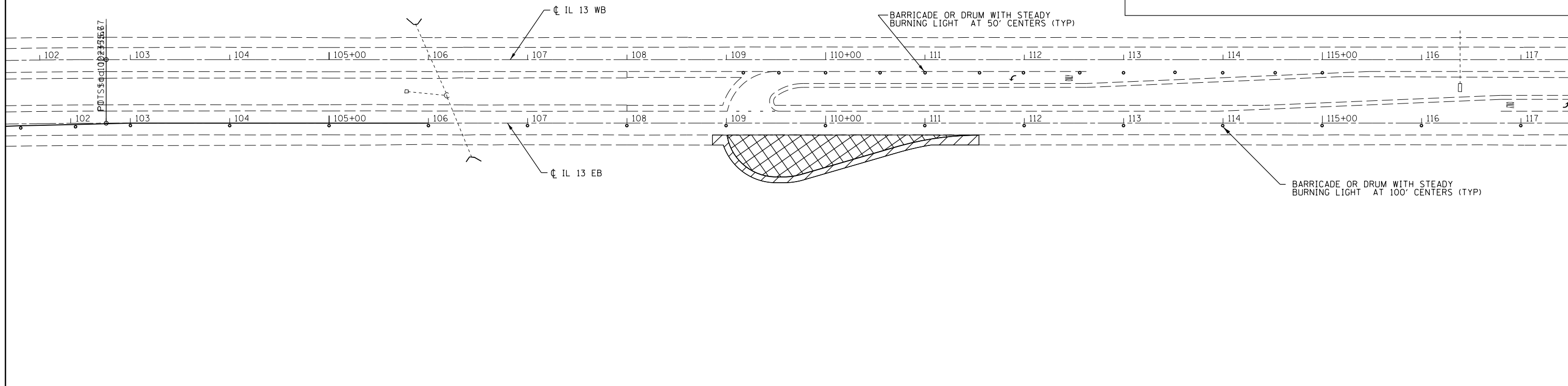
SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	54
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				

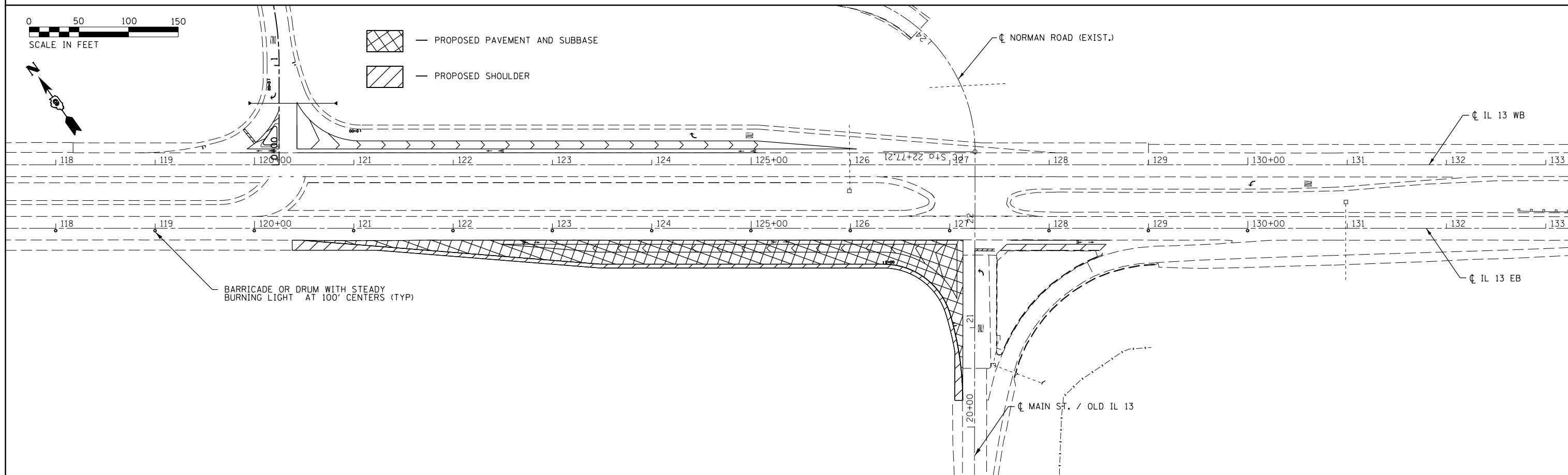


- PROPOSED PAVEMENT AND SUBBASE
- PROPOSED SHOULDER

- STAGE 3 - CONSTRUCTION**
1. SHIFT TRAFFIC TO INSIDE LANE OF IL 13 EB
  2. CONSTRUCT PROP. PAVEMENT AND SHOULDER ON IL 13 EB AND MAIN ST./ OLD IL 13
  3. 16 LANE RENTAL DAYS WILL BE PROVIDED FOR ALL OF STAGE 3
  4. AT ANY TIME A LANE RENTAL DAY IS IN EFFECT THE WEST MEDIAN LEFT TURN SHOULD BE CLOSE TO TRAFFIC AS WELL.
  5. 6 INTERSECTION RENTAL DAYS WILL BE PROVIDE FOR THE CLOSURE OF MAIN ST./ OLD IL 13 FOR ALL OF STAGE 3



- PROPOSED PAVEMENT AND SUBBASE
- PROPOSED SHOULDER



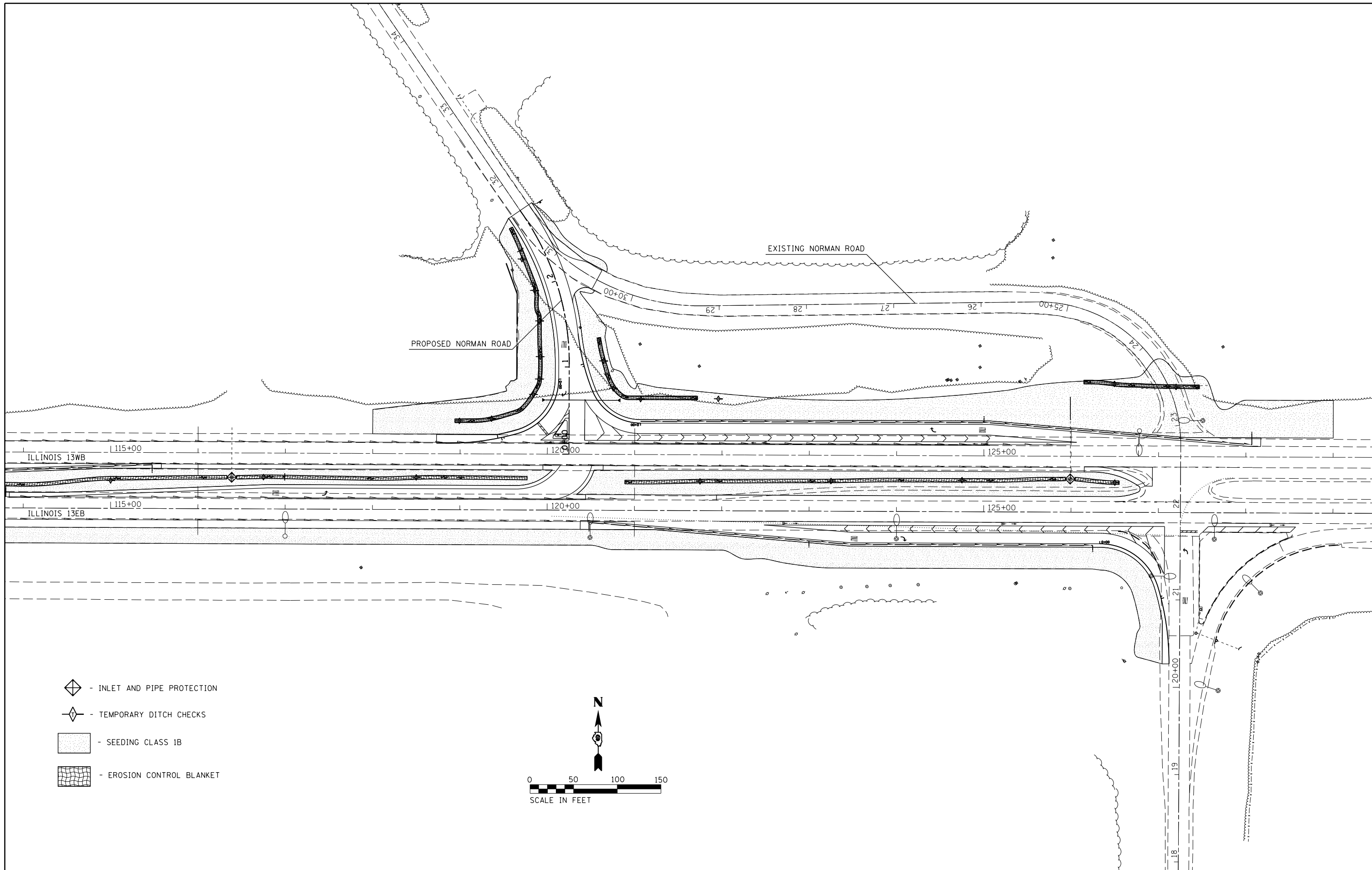
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

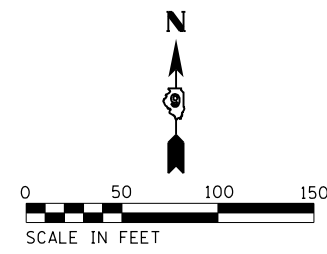
**STAGE 3 - CONSTRUCTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	55
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				



-  - INLET AND PIPE PROTECTION
-  - TEMPORARY DITCH CHECKS
-  - SEEDING CLASS 1B
-  - EROSION CONTROL BLANKET



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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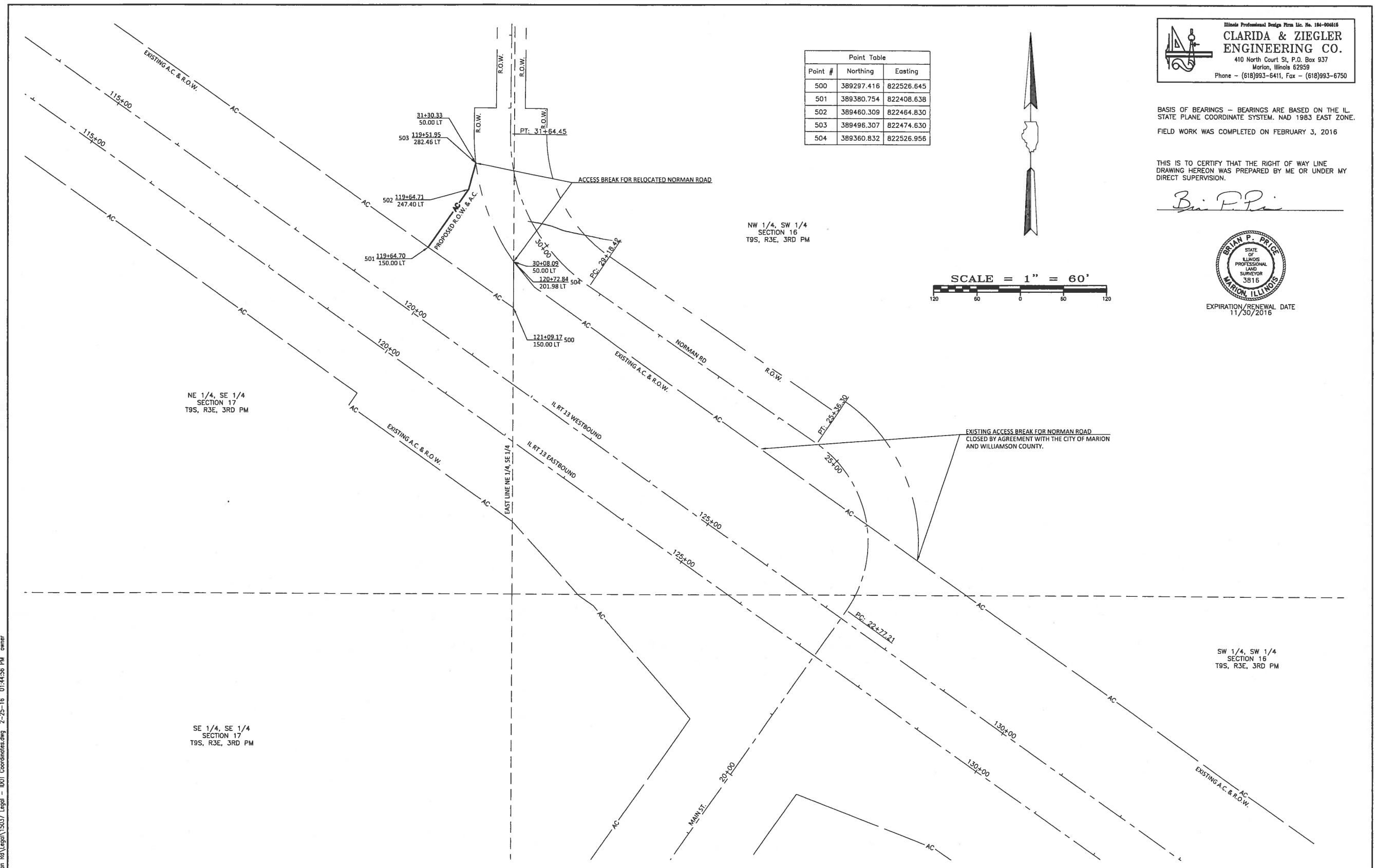
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	56
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



P:\19037 - Norman Rd\Legal\19037 Legal - DOT Coordinates.dwg 2-25-16 01:44:56 PM owner



Point #	Northing	Easting
500	389297.416	822526.645
501	389380.754	822408.638
502	389460.309	822464.830
503	389496.307	822474.630
504	389360.832	822526.956

Illinois Professional Design Firm No. 184-004616  
**CLARIDA & ZIEGLER**  
**ENGINEERING CO.**  
 410 North Court St, P.O. Box 937  
 Marion, Illinois 62959  
 Phone - (618)993-6411, Fax - (618)993-6750

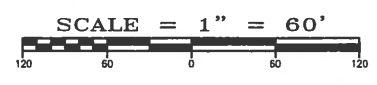
BASIS OF BEARINGS - BEARINGS ARE BASED ON THE IL STATE PLANE COORDINATE SYSTEM, NAD 1983 EAST ZONE.  
 FIELD WORK WAS COMPLETED ON FEBRUARY 3, 2016

THIS IS TO CERTIFY THAT THE RIGHT OF WAY LINE DRAWING HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

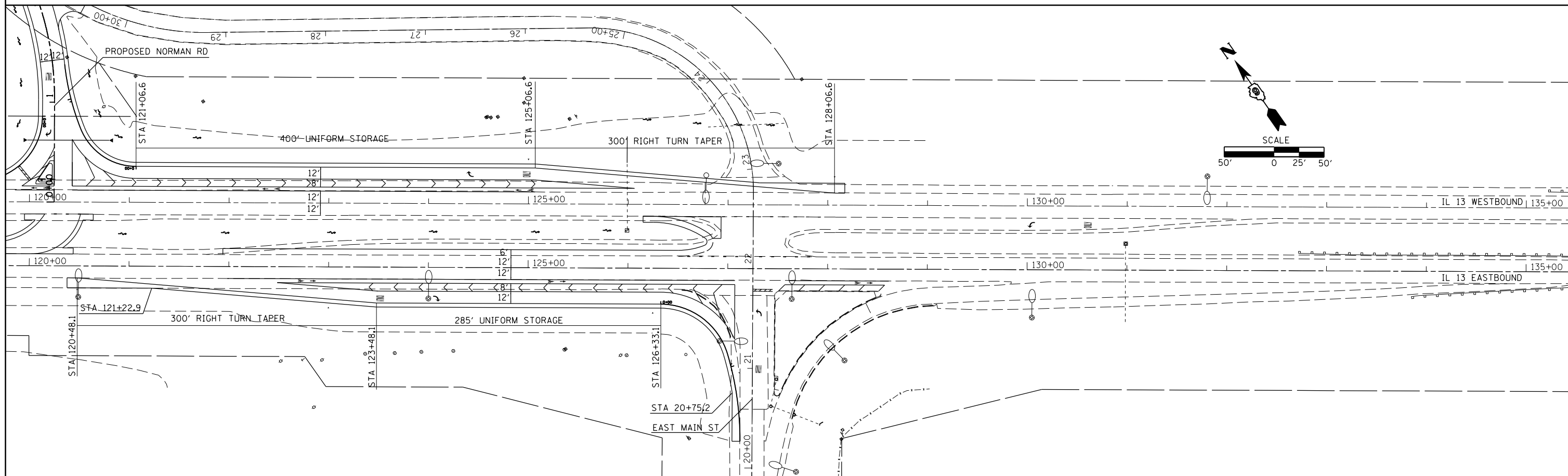
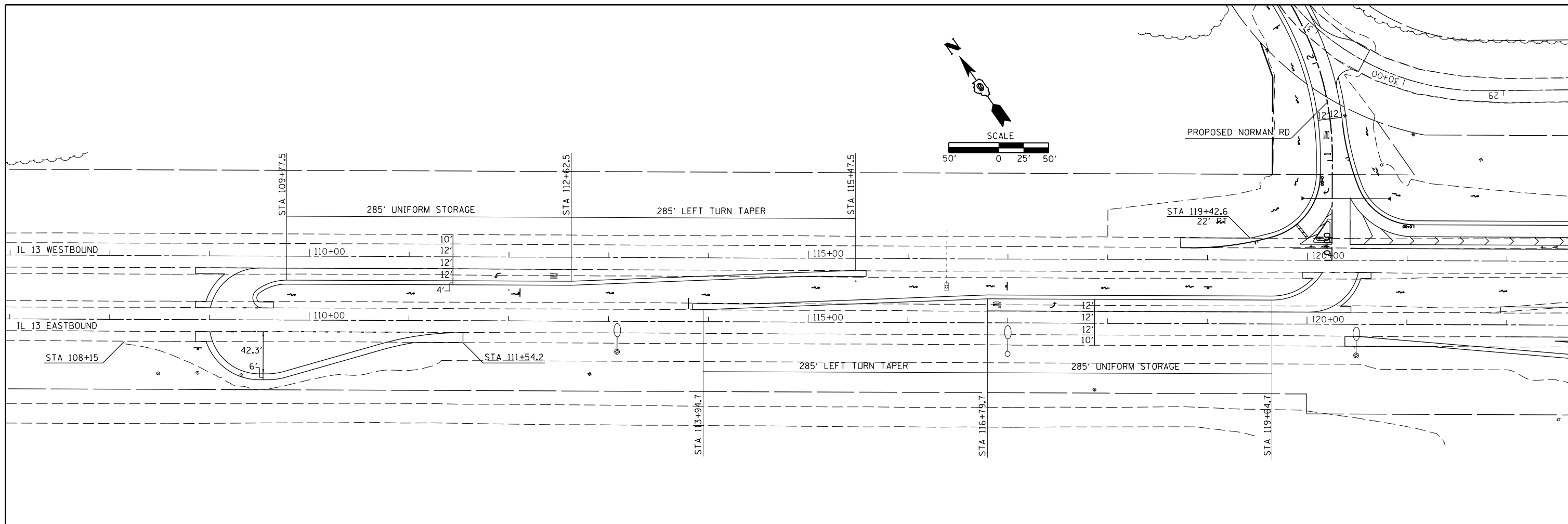
*Brian P. Price*



EXPIRATION/RENEWAL DATE 11/30/2016



FILE NAME:	USER NAME = BRIAN P	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLANS</b>		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 60'	DRAWN - BPP	REVISED -		13	6-1 (N-1)	WILLIAMSON	154	57		
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	DATE - 02/23/2016	REVISED -		SHEET NO. 1 OF 1 SHEETS	STA. 119+51.95 TO STA. 121+09.17	FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

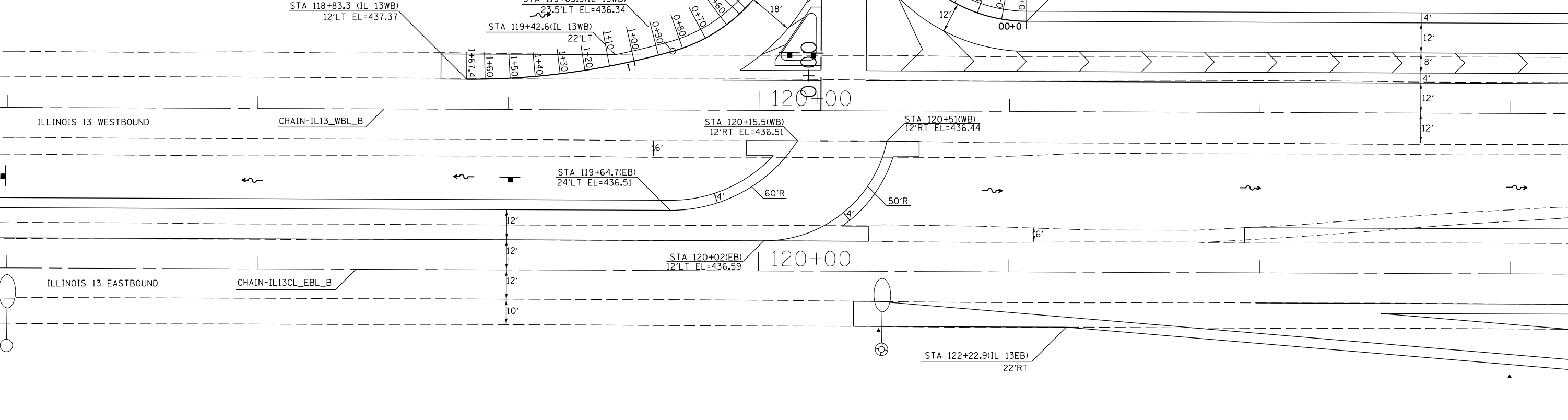
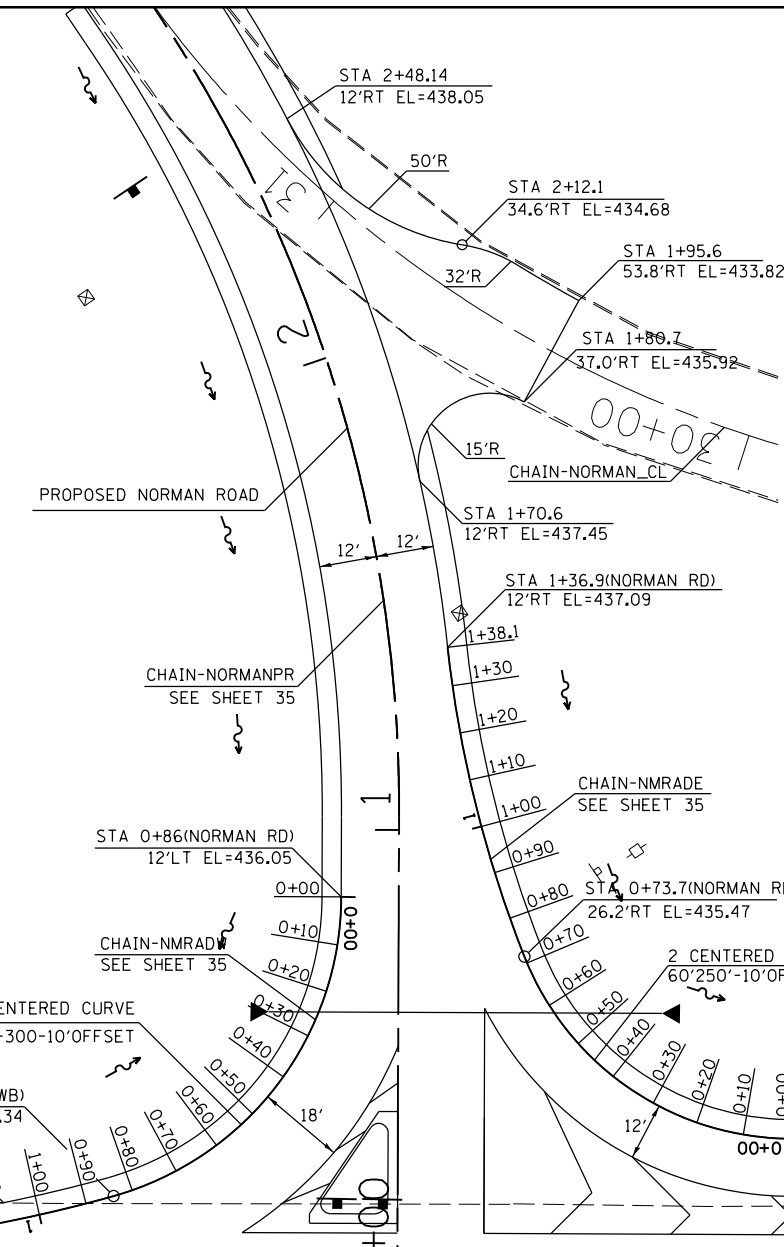
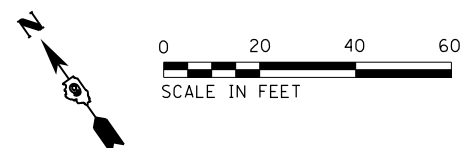
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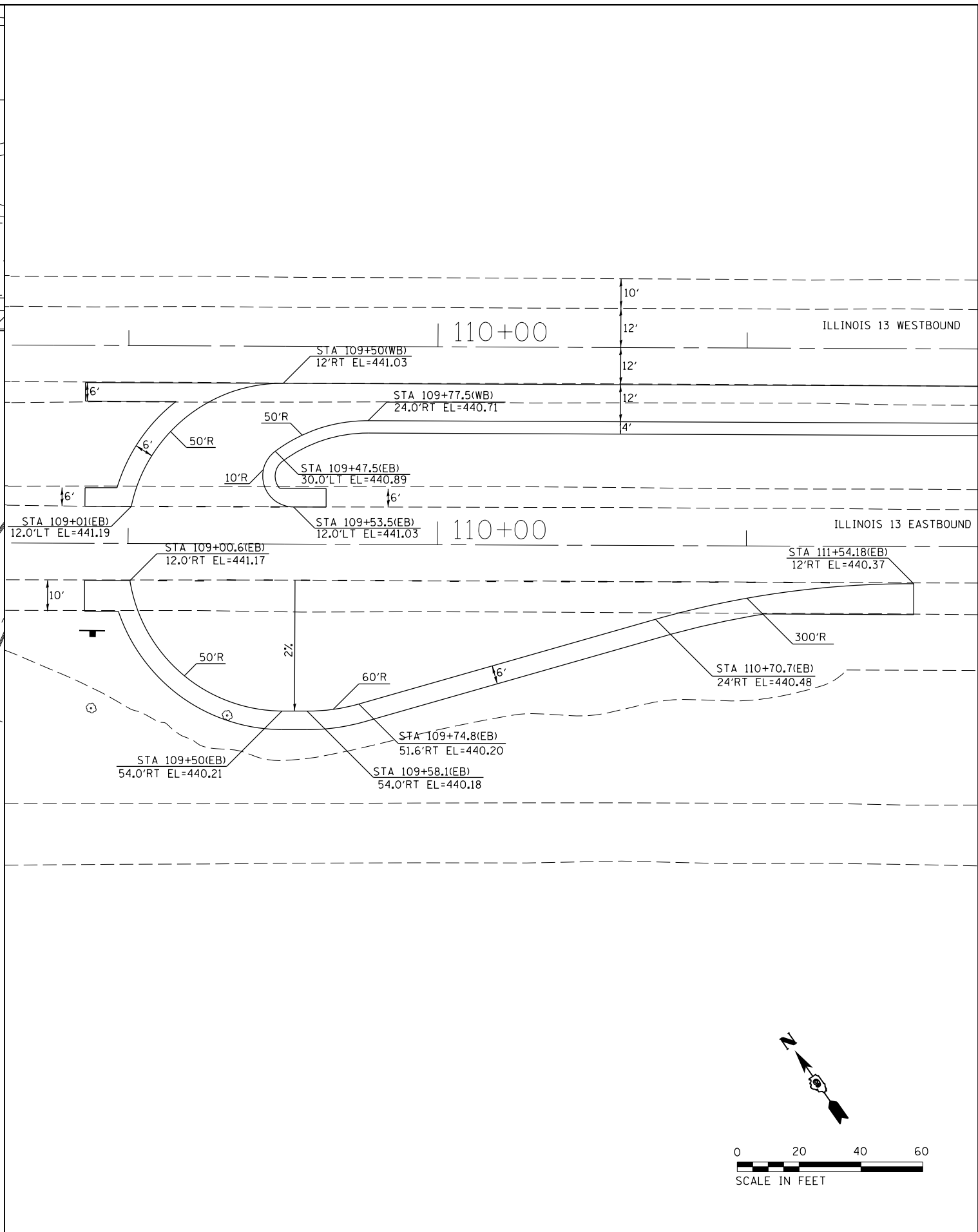
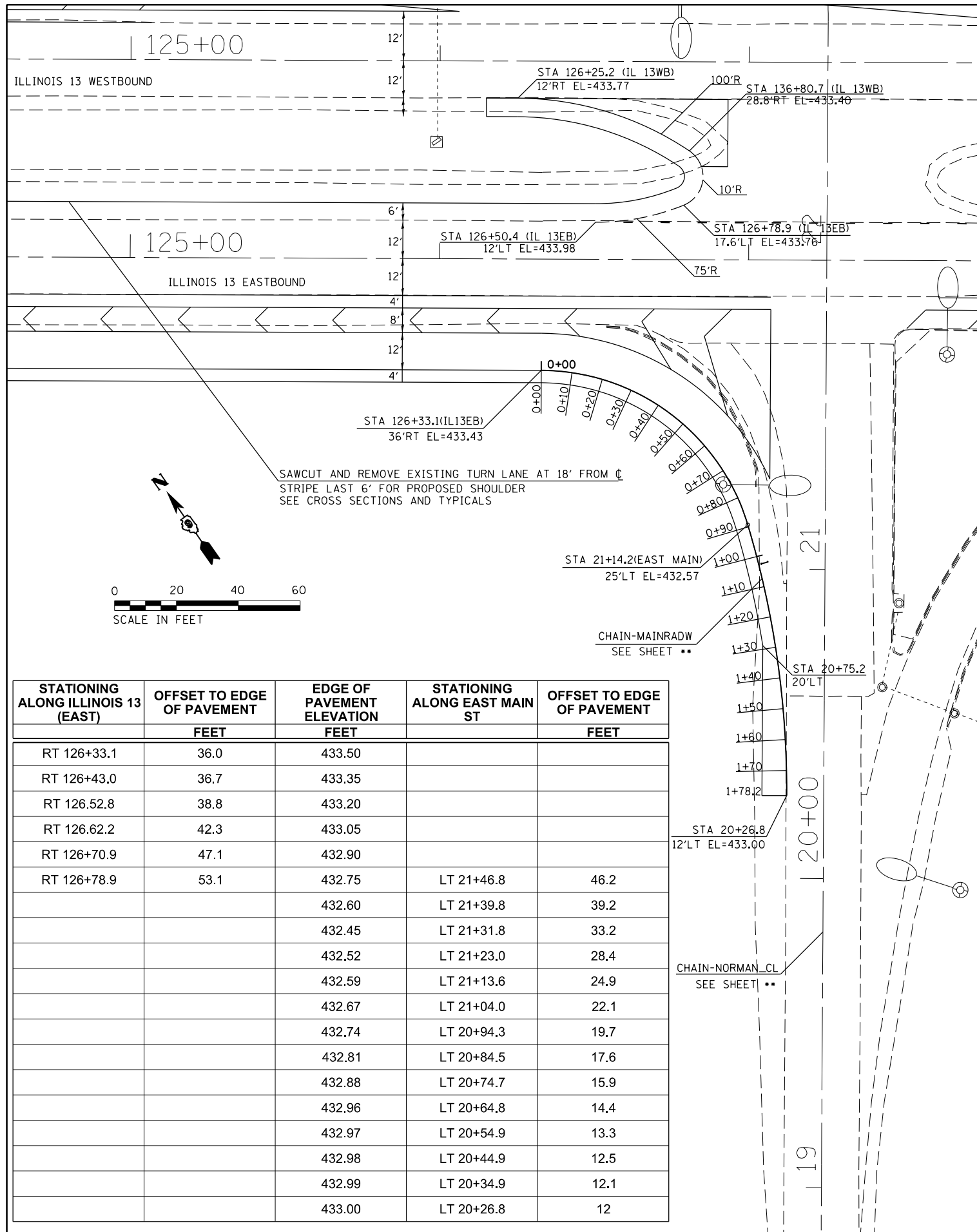
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	58
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				

STATIONING ALONG NORMAN ROAD	OFFSET TO EDGE OF PAVEMENT FEET	EDGE OF PAVEMENT ELEVATION FEET	STATIONING ALONG ILLINOIS 13 (WEST)	OFFSET TO EDGE OF PAVEMENT FEET
LT 0+86	12.0	436.05		
LT 0+76	12.8	435.95		
LT 0+66.3	15.1	435.85		
LT 0+57.1	18.8	435.75		
LT 0+48.5	23.9	435.65	LT 120+00.8	48.5
		435.81	LT 119+94.4	40.8
		435.96	LT 119+86.9	34.2
		436.12	LT 119+78.5	28.8
		436.28	LT 119+69.4	24.7
		436.44	LT 119+59.8	21.9
		436.59	LT 119+50.1	19.5
		436.75	LT 119+40.3	17.5
		436.83	LT 119+30.4	15.7
		436.91	LT 119+20.5	14.3
		437.00	LT 119+10.6	13.2
		437.09	LT 119+00.6	12.5
		437.14	LT 118+90.6	12.1
		437.37	LT 118+83.3	12.0

STATIONING ALONG ILLINOIS 13 (WEST)	OFFSET TO EDGE OF PAVEMENT FEET	EDGE OF PAVEMENT ELEVATION FEET	STATIONING ALONG NORMAN ROAD	OFFSET TO EDGE OF PAVEMENT FEET
LT 121+06.6	36.0	435.67		
LT 120+96.7	36.8	435.52		
LT 120+87.0	39.3	435.37		
LT 120+77.9	43.3	435.22		
LT 120+69.5	48.8	435.08		
LT 120+62.2	55.7	434.93	RT 0+55.7	37.5
		435.18	RT 0+63.6	31.5
		435.43	RT 0+72.4	26.8
		435.68	RT 0+81.7	23.2
		435.93	RT 0+91.2	20.0
		436.18	RT 1+00.8	17.2
		436.43	RT 1+10.1	14.8
		436.68	RT 1+19.6	13.2
		436.93	RT 1+29.1	12.2
		437.09	RT 1+36.9	12.0





STATIONING ALONG ILLINOIS 13 (EAST)	OFFSET TO EDGE OF PAVEMENT (FEET)	EDGE OF PAVEMENT ELEVATION (FEET)	STATIONING ALONG EAST MAIN ST	OFFSET TO EDGE OF PAVEMENT (FEET)
RT 126+33.1	36.0	433.50		
RT 126+43.0	36.7	433.35		
RT 126.52.8	38.8	433.20		
RT 126.62.2	42.3	433.05		
RT 126+70.9	47.1	432.90		
RT 126+78.9	53.1	432.75	LT 21+46.8	46.2
		432.60	LT 21+39.8	39.2
		432.45	LT 21+31.8	33.2
		432.52	LT 21+23.0	28.4
		432.59	LT 21+13.6	24.9
		432.67	LT 21+04.0	22.1
		432.74	LT 20+94.3	19.7
		432.81	LT 20+84.5	17.6
		432.88	LT 20+74.7	15.9
		432.96	LT 20+64.8	14.4
		432.97	LT 20+54.9	13.3
		432.98	LT 20+44.9	12.5
		432.99	LT 20+34.9	12.1
		433.00	LT 20+26.8	12

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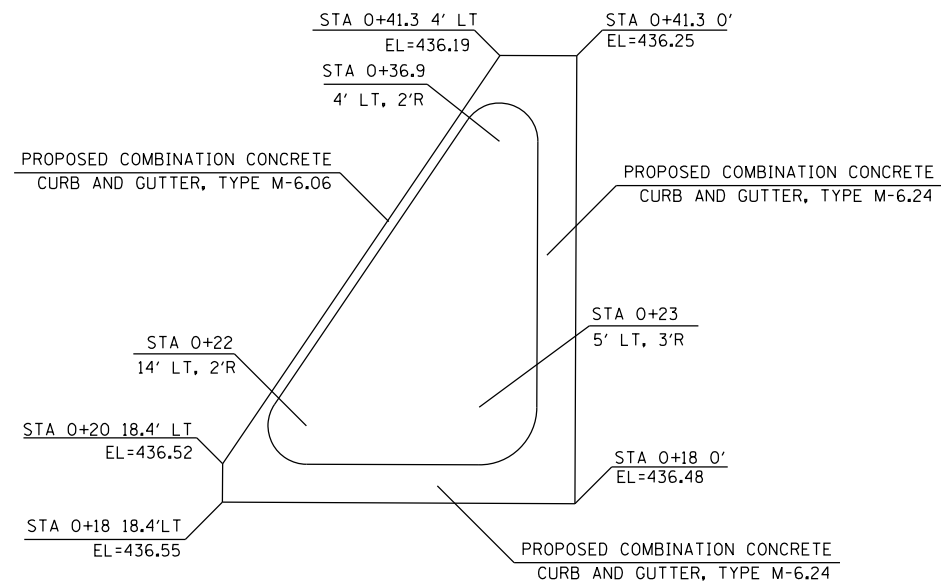
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	60

CONTRACT NO. 78449  
 ILLINOIS FED. AID PROJECT



NORMAN ROAD - WEST QUADRANT  
NOT TO SCALE

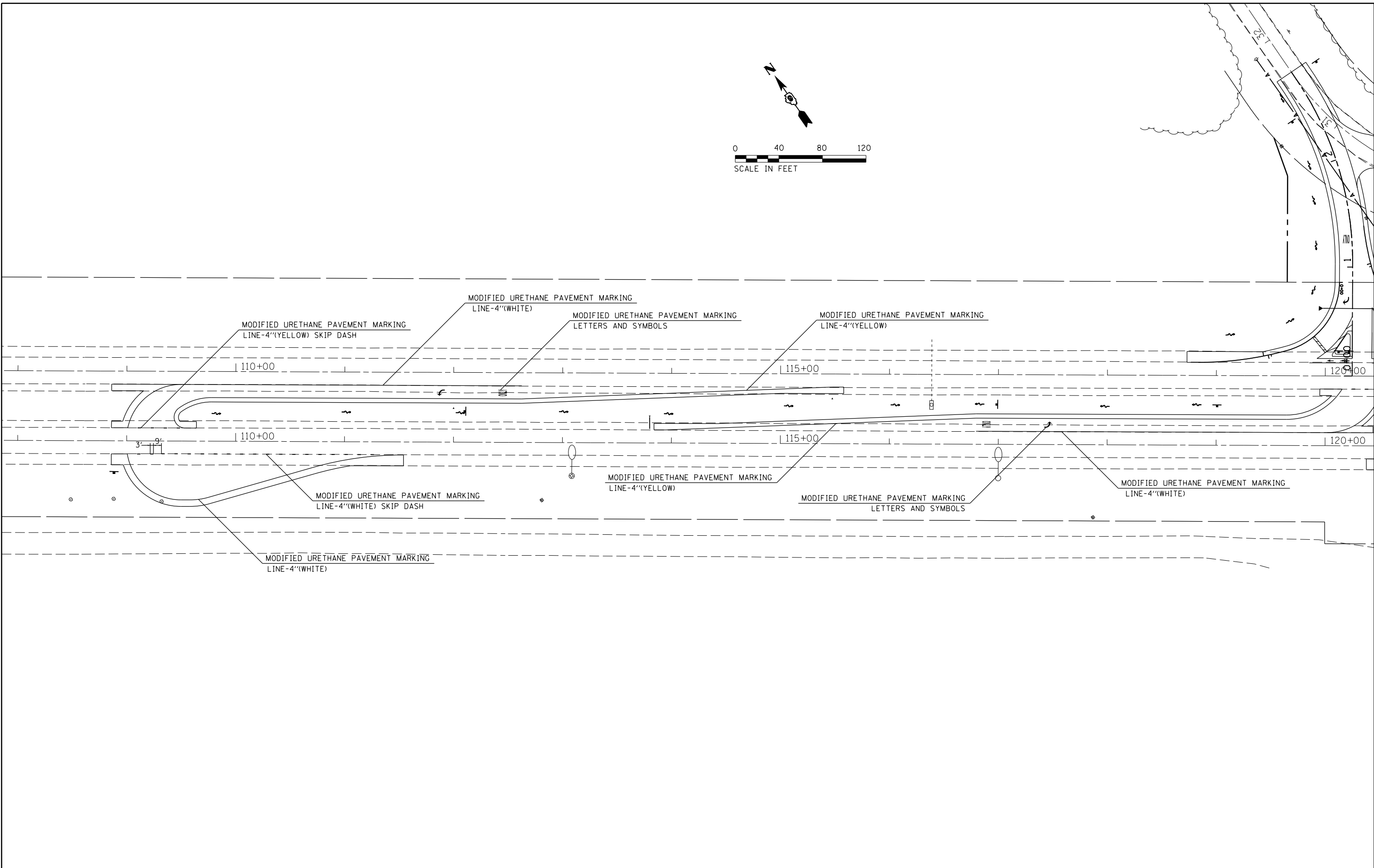
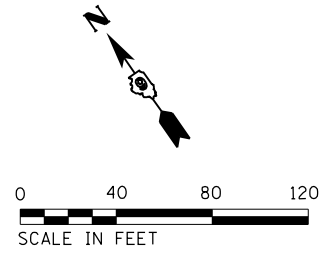
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	PLOT DATE = 6/24/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78449	



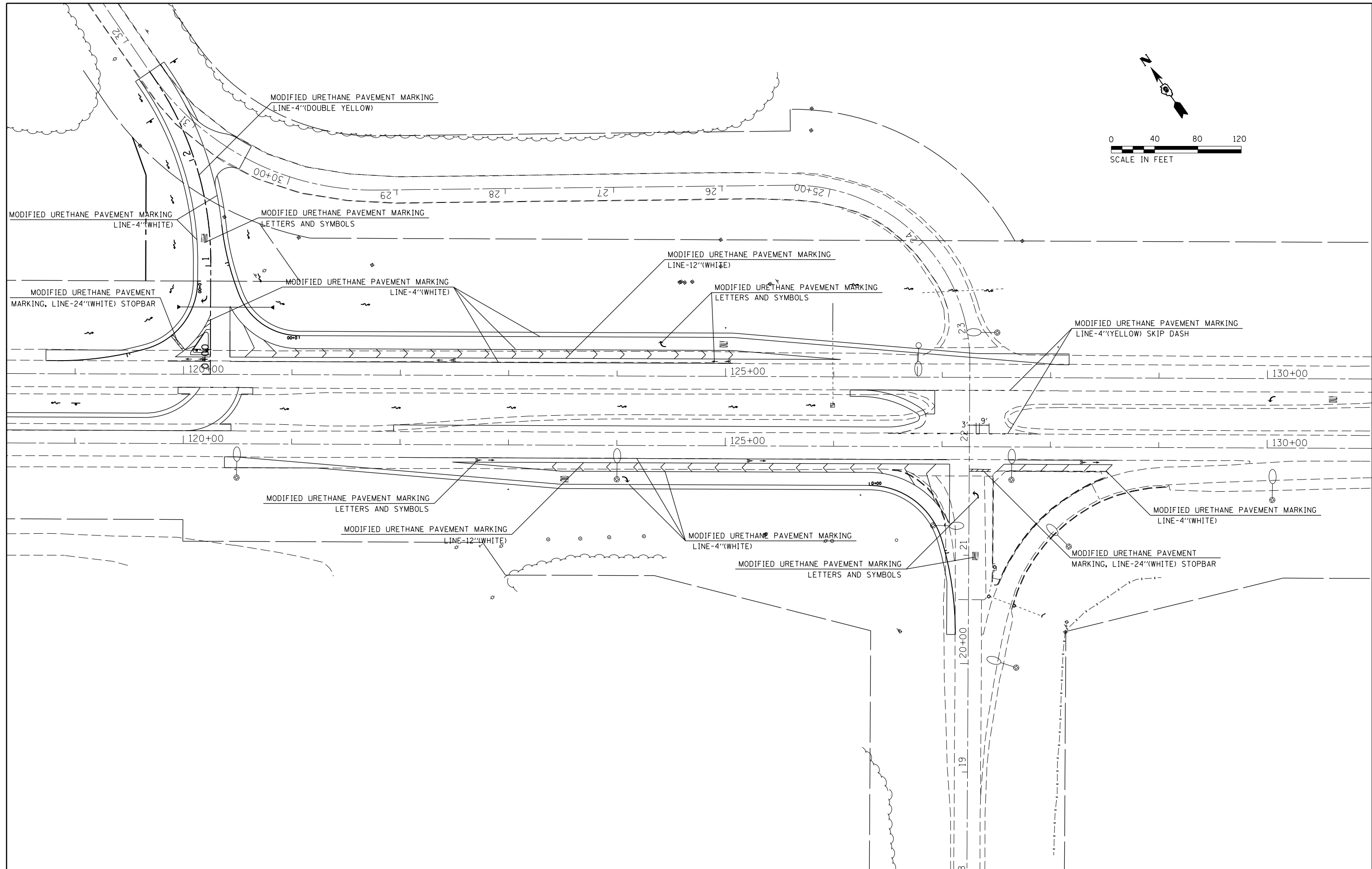
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	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	62
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



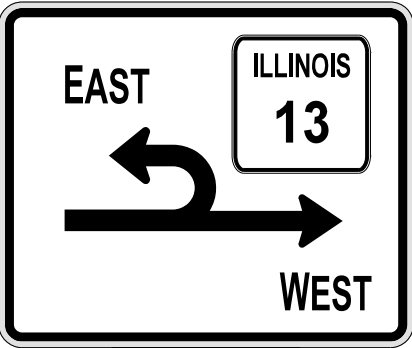
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	63
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				



ALL TRAFFIC MUST TURN RIGHT

PROPOSED NORMAN ROAD

ILLINOIS 13 WESTBOUND

110+00

115+00

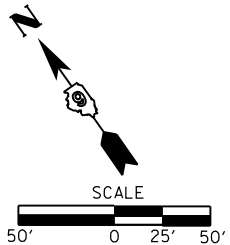
120+00

ILLINOIS 13 EASTBOUND

110+00

115+00

120+00



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	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING LAYOUT SHEET**









SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	64
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				



## LIGHTING SCHEDULE OF QUANTITIES

### LIGHTING LEGEND

-  LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM, MEDIUM WATTAGE LED LUMINAIRE, WITH BREAKAWAY COUPLINGS AND METAL FOUNDATION
-  LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V
-  ELECTRIC SERVICE INSTALLATION
-  UNIT DUCT, SIZE AS INDICATED
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA., SCHEDULE 80
-  EXISTING LIGHTING UNIT (AND FOUNDATION) TO BE REMOVED
-  EXISTING LIGHTING CONTROLLER (AND FOUNDATION) TO BE REMOVED
-  EXISTING ELECTRIC SERVICE INSTALLATION TO BE REMOVED

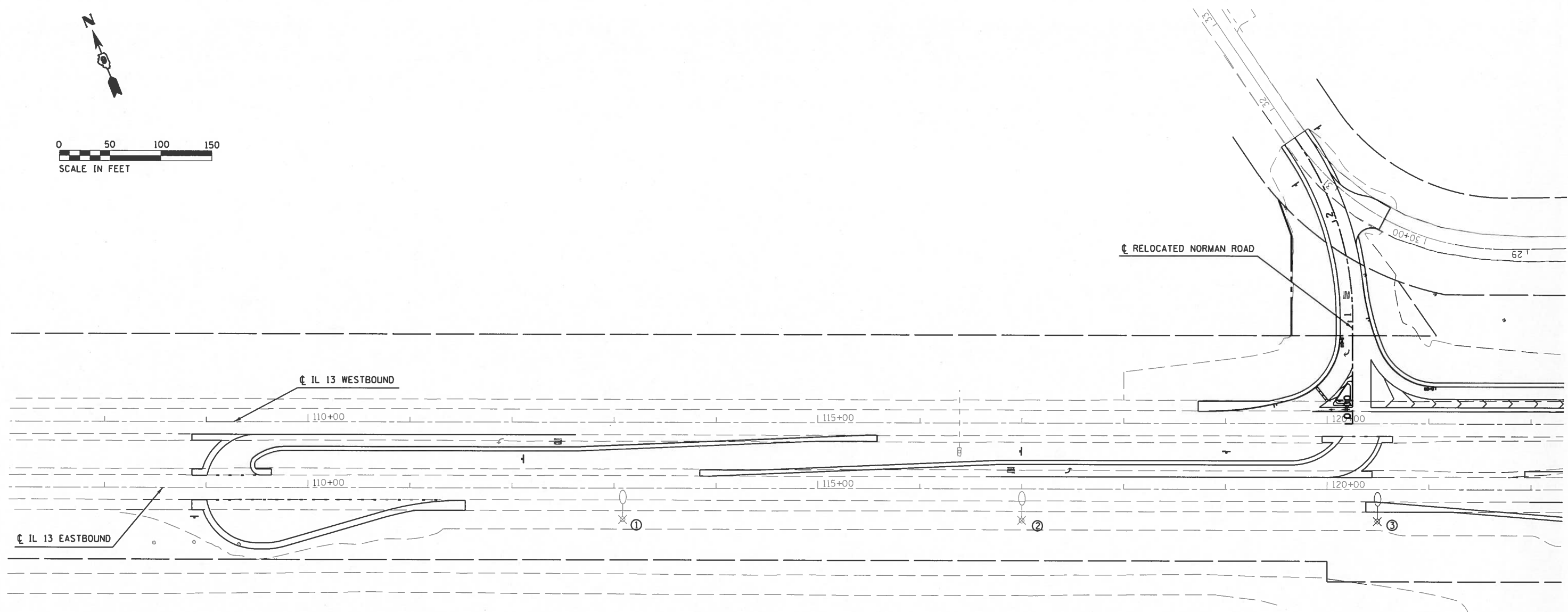
### HIGHWAY STANDARDS

- 821101-01 LUMINAIRE WIRING DIAGRAM
- 825011-03 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
- 830006-03 LIGHT POLE ALUMINUM DAVIT ARM
- 830026 TEMPORARY ROADWAY LIGHTING
- 836001-02 LIGHT POLE FOUNDATION
- 838001 BREAKAWAY DEVICES

### CABLE/CONDUIT SCHEDULE

- (A) UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	298
UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	4400
UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1096
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
LIGHT POLE, ALUMINUM, 50 FT., M.H., 15 FT. DAVIT ARM	EACH	20
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	20
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	80
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	13
REMOVAL OF POLE FOUNDATION	EACH	13
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	20
TEMPORARY LIGHTING SYSTEM	L SUM	1



**NOTE:**

THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AS REQUIRED TO MAINTAIN ILLUMINATION OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. REFER TO THE "TEMPORARY LIGHTING SYSTEM" SPECIAL.

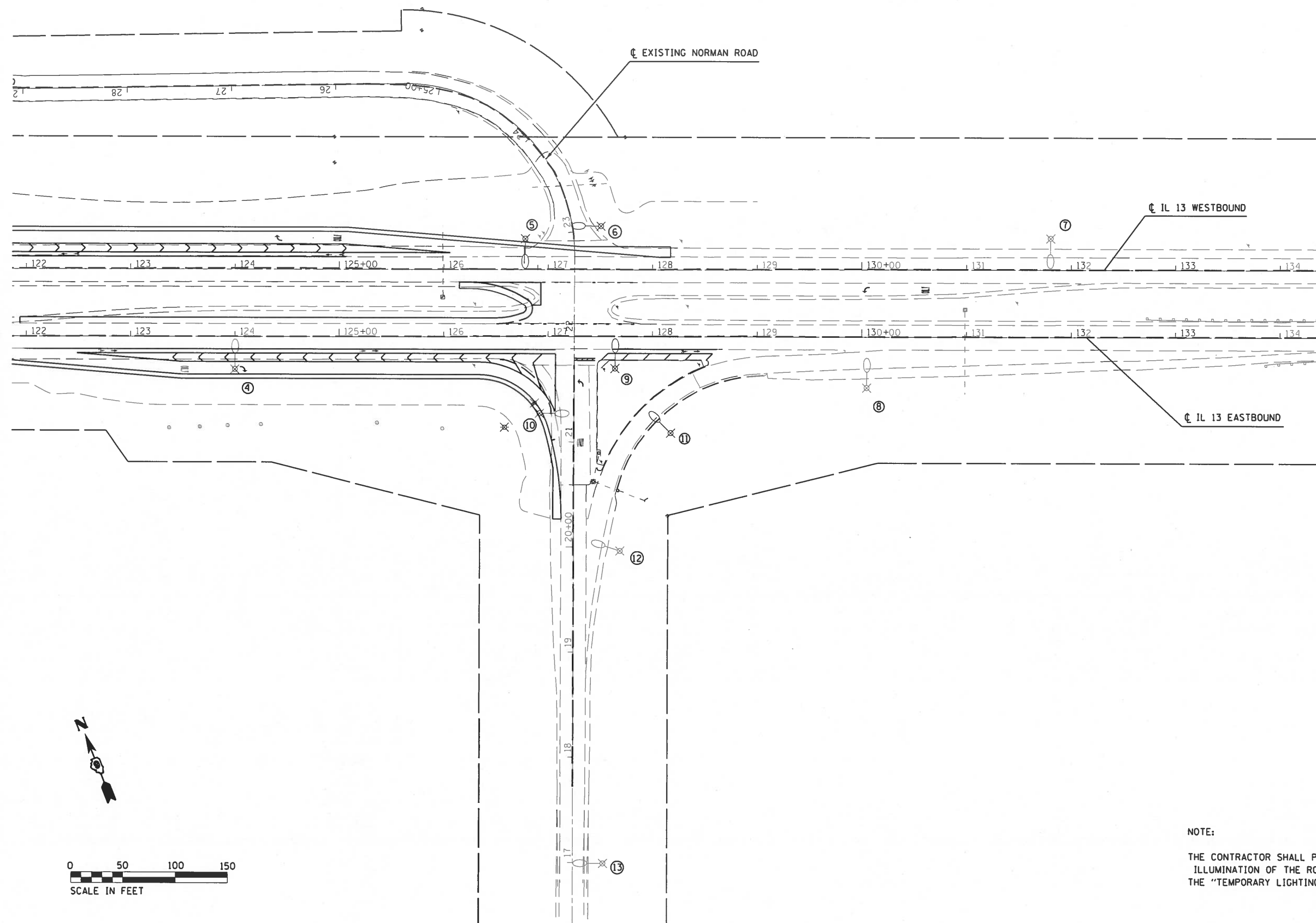
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 13 AT NORMAN ROAD  
LIGHTING REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

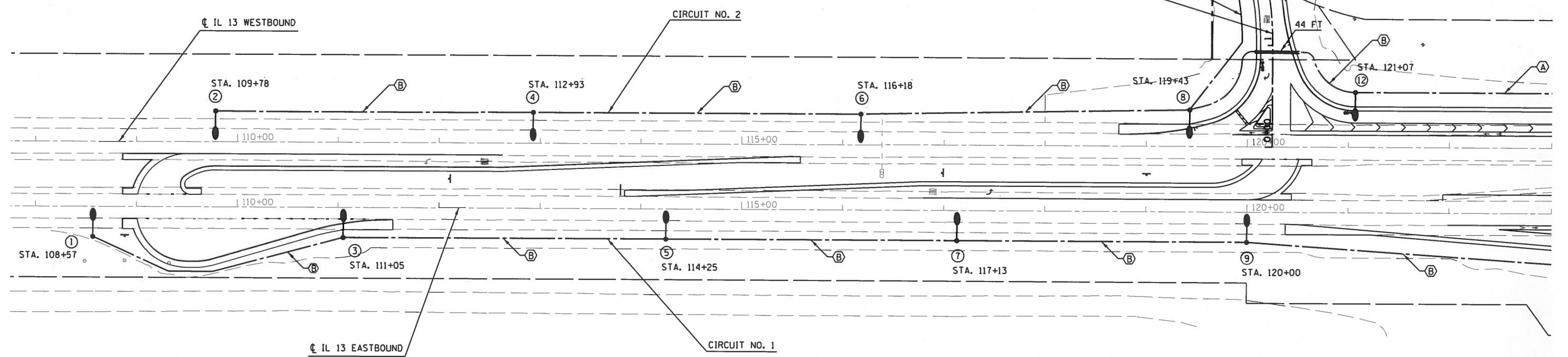
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-(IN-1)	WILLIAMSON	154	66
<b>CONTRACT NO. 78449</b>				
ILLINOIS FED. AID PROJECT				



NOTE:

THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AS REQUIRED TO MAINTAIN ILLUMINATION OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. REFER TO THE "TEMPORARY LIGHTING SYSTEM" SPECIAL.

FILE NAME =	USER NAME = russellcf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13 AT NORMAN ROAD LIGHTING REMOVAL PLAN</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*MODELNAME*	PLOT SCALE = 100.0000 / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78449		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/9/2016										



NOTE:  
ALL LIGHT POLES SHALL BE SET BACK 18 FT FROM THE EDGE OF TRAVELLED WAY UNLESS NOTED OTHERWISE.

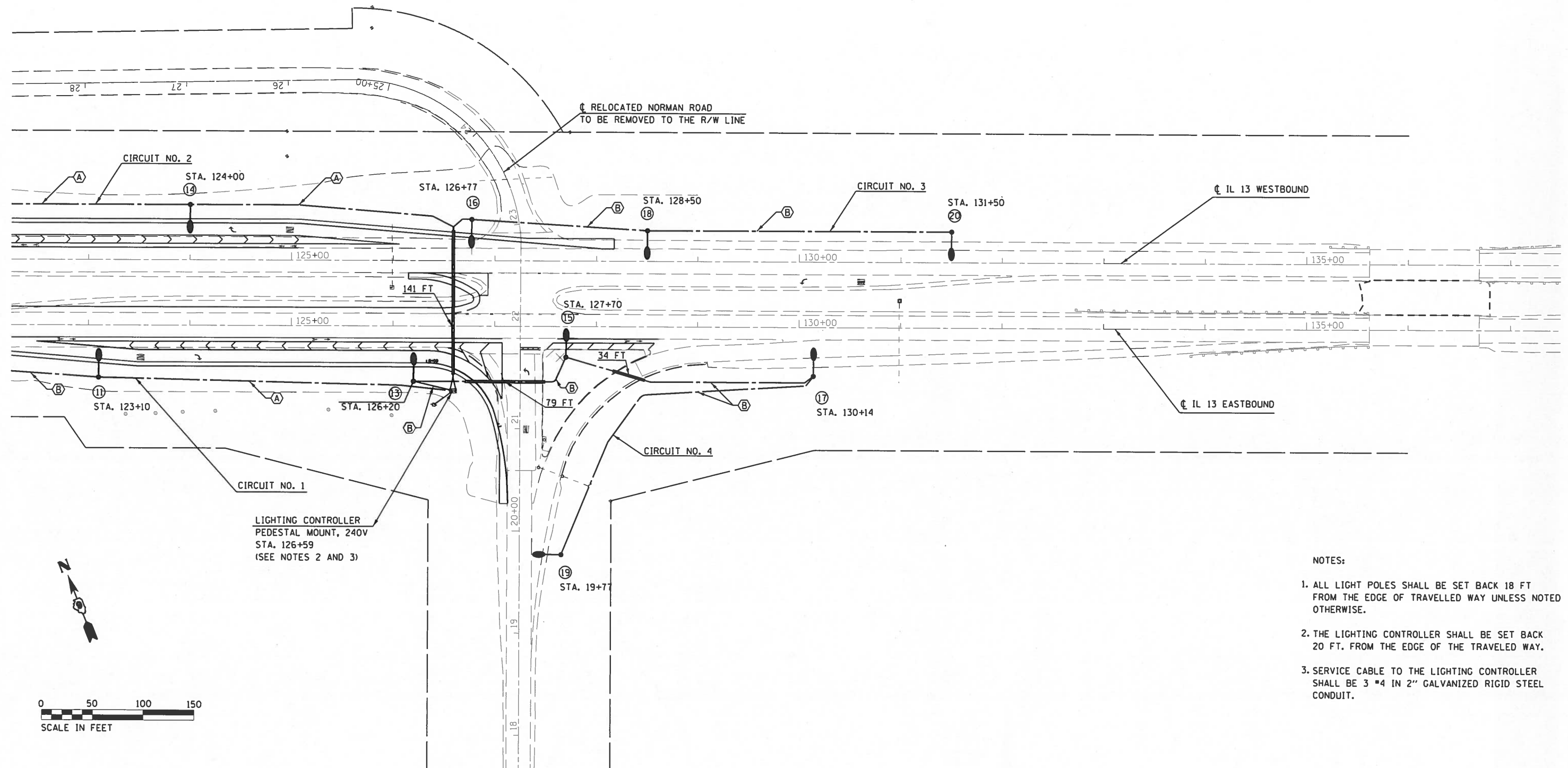
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*MODELNAME*	PLDT DATE = 8/9/2016		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

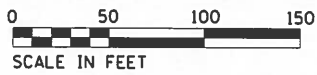
**IL 13 AT NORMAN ROAD  
PROPOSED LIGHTING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	68
				<b>CONTRACT NO. 78449</b>
ILLINOIS FED. AID PROJECT				



LIGHTING CONTROLLER  
PEDESTAL MOUNT, 240V  
STA. 126+59  
(SEE NOTES 2 AND 3)



NOTES:

1. ALL LIGHT POLES SHALL BE SET BACK 18 FT FROM THE EDGE OF TRAVELLED WAY UNLESS NOTED OTHERWISE.
2. THE LIGHTING CONTROLLER SHALL BE SET BACK 20 FT. FROM THE EDGE OF THE TRAVELED WAY.
3. SERVICE CABLE TO THE LIGHTING CONTROLLER SHALL BE 3 #4 IN 2" GALVANIZED RIGID STEEL CONDUIT.

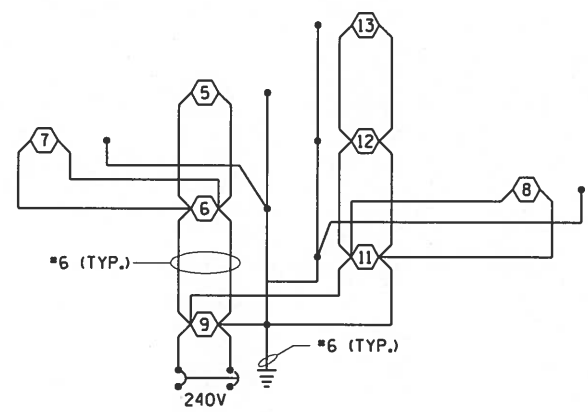
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MODELNAME =	PLOT DATE = 8/9/2016		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

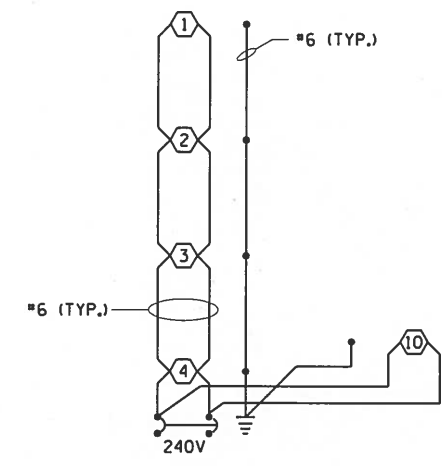
IL 13 AT NORMAN ROAD  
PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	69
CONTRACT NO. 78449				
ILLINOIS FED. AID PROJECT				

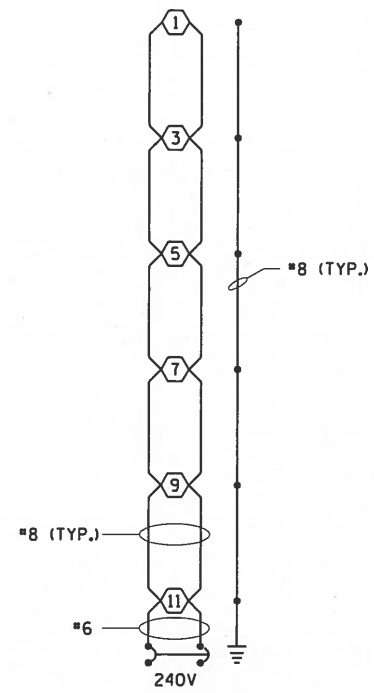


2 POLE 50 AMP BREAKER  
CIRCUIT NO. 1

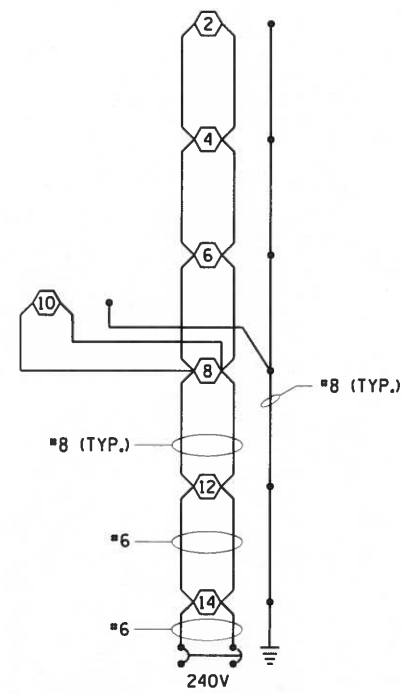


2 POLE 50 AMP BREAKER  
CIRCUIT NO. 2

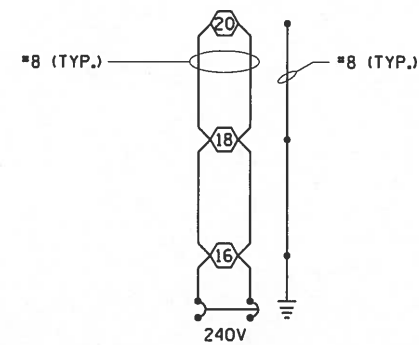
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*FILES*	PLOT SCALE = 100.00 / in.	DRAWN -	REVISED -					331	6-1(N-1)	WILLIAMSON	154	70
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



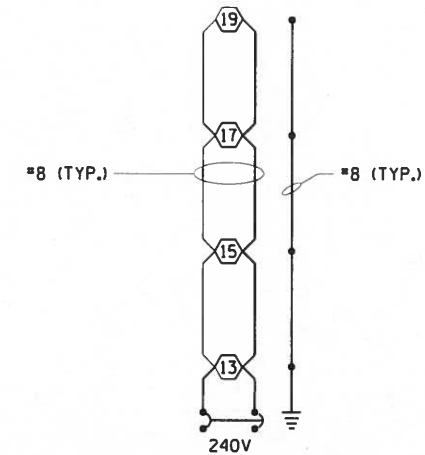
2 POLE 20 AMP BREAKER  
CIRCUIT NO. 1



2 POLE 20 AMP BREAKER  
CIRCUIT NO. 2



2 POLE 20 AMP BREAKER  
CIRCUIT NO. 3



2 POLE 20 AMP BREAKER  
CIRCUIT NO. 4

FILE NAME *	USER NAME = russellcf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 13 AT NORMAN ROAD PROPOSED LIGHTING WIRING DIAGRAMS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

ILLINOIS DEPARTMENT OF TRANSPORTATION  
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS		
ROADWAY DATA:	LANE WIDTH	12 FT.
	NUMBER OF LANES (IN EACH DIRECTION)	3
	I.E.S. SURFACE CLASSIFICATION	R3
	O-ZERO VALUE	.07
LIGHT POLE DATA:	MOUNTING HEIGHT	50 FT.
	MAST ARM LENGTH	15 FT.
	POLE SET-BACK FROM EDGE OF PAVEMENT	18 FT.
LUMINAIRE DATA:	LUMINAIRE TYPE	LED
	INITIAL LUMENS	20,000 (MIN)
	I.E.S. VERTICAL DISTRIBUTION	MEDIUM
	BUG RATING	U=0
	I.E.S. LATERAL DISTRIBUTION	TYPE II
	LUMEN DEPRECIATION	0.90
	DIRT DEPRECIATION	0.80
	EQUIPMENT FACTOR	0.95
LAYOUT DATA:	SPACING	290 FT.
	CONFIGURATION	SINGLE SIDED

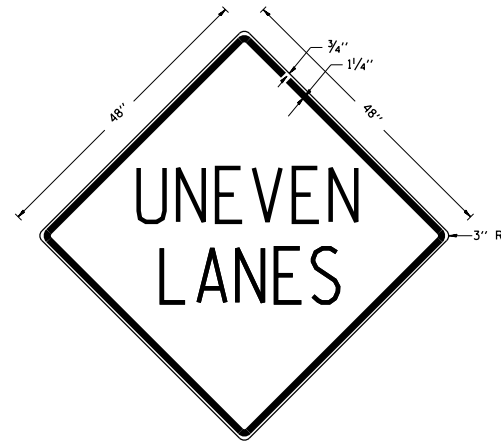
- NOTES: 1. VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.
2. A LUMEN DEPRECIATION VALUE GREATER THAN 0.90 FOR LED LIGHT SOURCES SHALL BE BASED UPON I.E.S. LM-80 OR I.E.S. LM-84 AND I.E.S. TM-21 TEST REPORTS.

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		
LUMINANCE:	AVERAGE LUMINANCE: ( $L_{AVE}$ )	0.6 Cd/m <sup>2</sup> (MIN)
	UNIFORMITY RATIOS: ( $L_{AVE}/L_{MIN}$ )	3.5:1 (MAX)
	( $L_{MAX}/L_{MIN}$ )	6.0:1 (MAX)
	MAX VEILING LUMINANCE RATIO: ( $L_V/L_{AVE}$ )	0.3:1 (MAX)



## UNEVEN LANES SIGN

W8-11 (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.

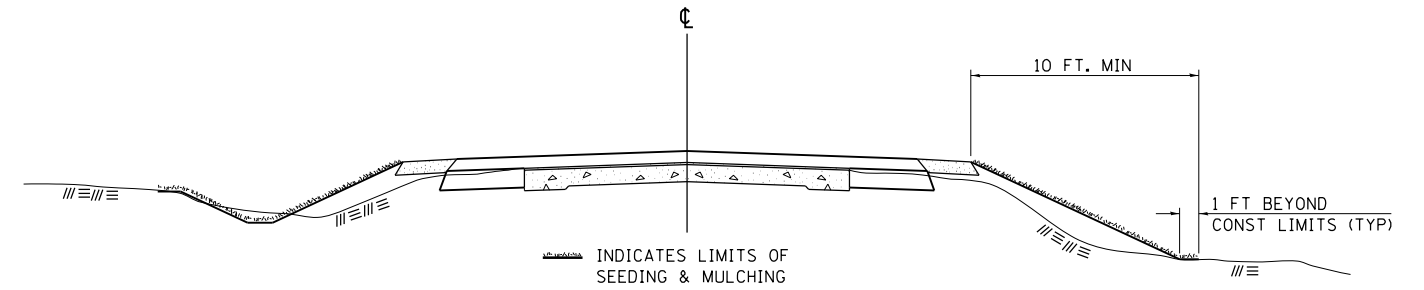
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

## SEEDING & MULCHING



### GENERAL NOTES

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

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

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

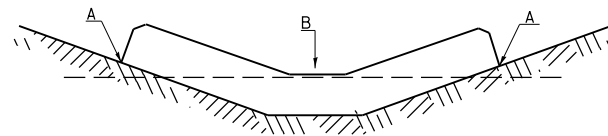
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

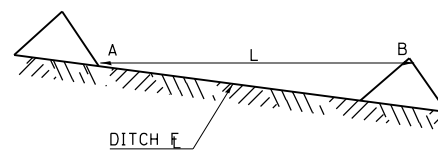
## TEMPORARY DITCH CHECKS

### PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

### SPACING BETWEEN TEMPORARY DITCH CHECKS



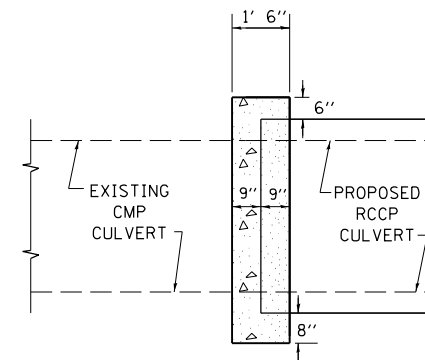
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

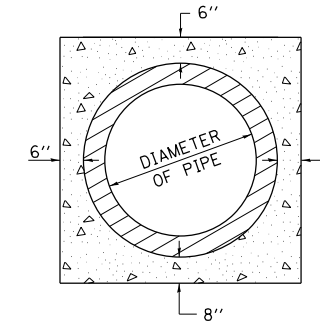
REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
RESIZED	5-8-08
REVISED	05-04-10
REVIEWED	5-17-13

STD. 9-108

## DETAILS OF CONCRETE COLLAR FOR PIPE CULVERT



SIDE VIEW



END VIEW

### QUANTITY ONE COLLAR

DIA OF PIPE	CLASS SI CONC CU YD (EST)
24"	0.44
30"	0.56
36"	0.76

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

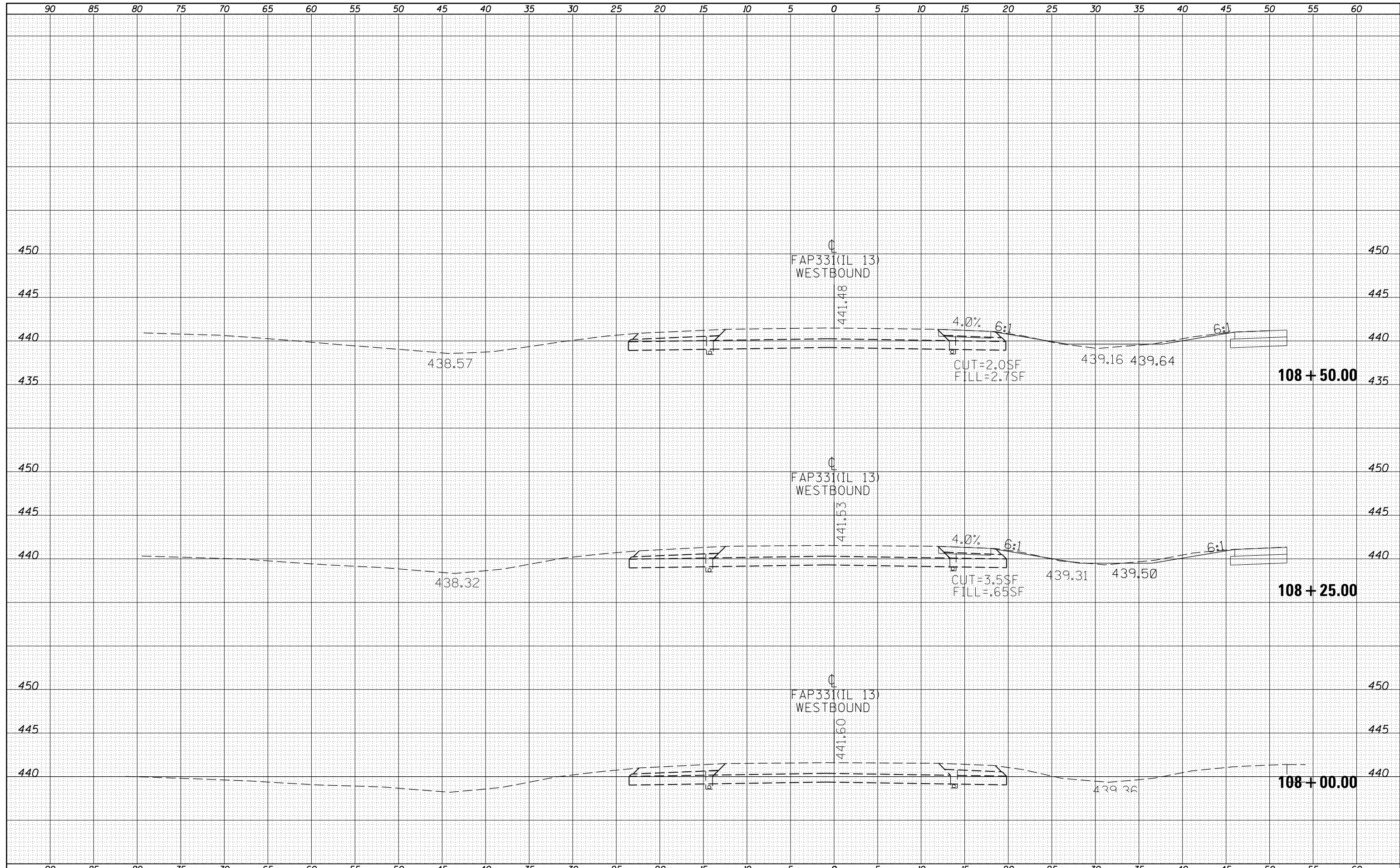
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 6/24/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAIL SHEET: UNEVEN LANE SIGN, SEEDING AND MULCHING  
 TEMPORARY DITCH CHECKS, CONCRETE COLLAR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	73
CONTRACT NO. 78449			ILLINOIS FED. AID PROJECT	



DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -
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		PLOT SCALE = 10.0000' / in.	
		PLOT DATE = 6/24/2016	

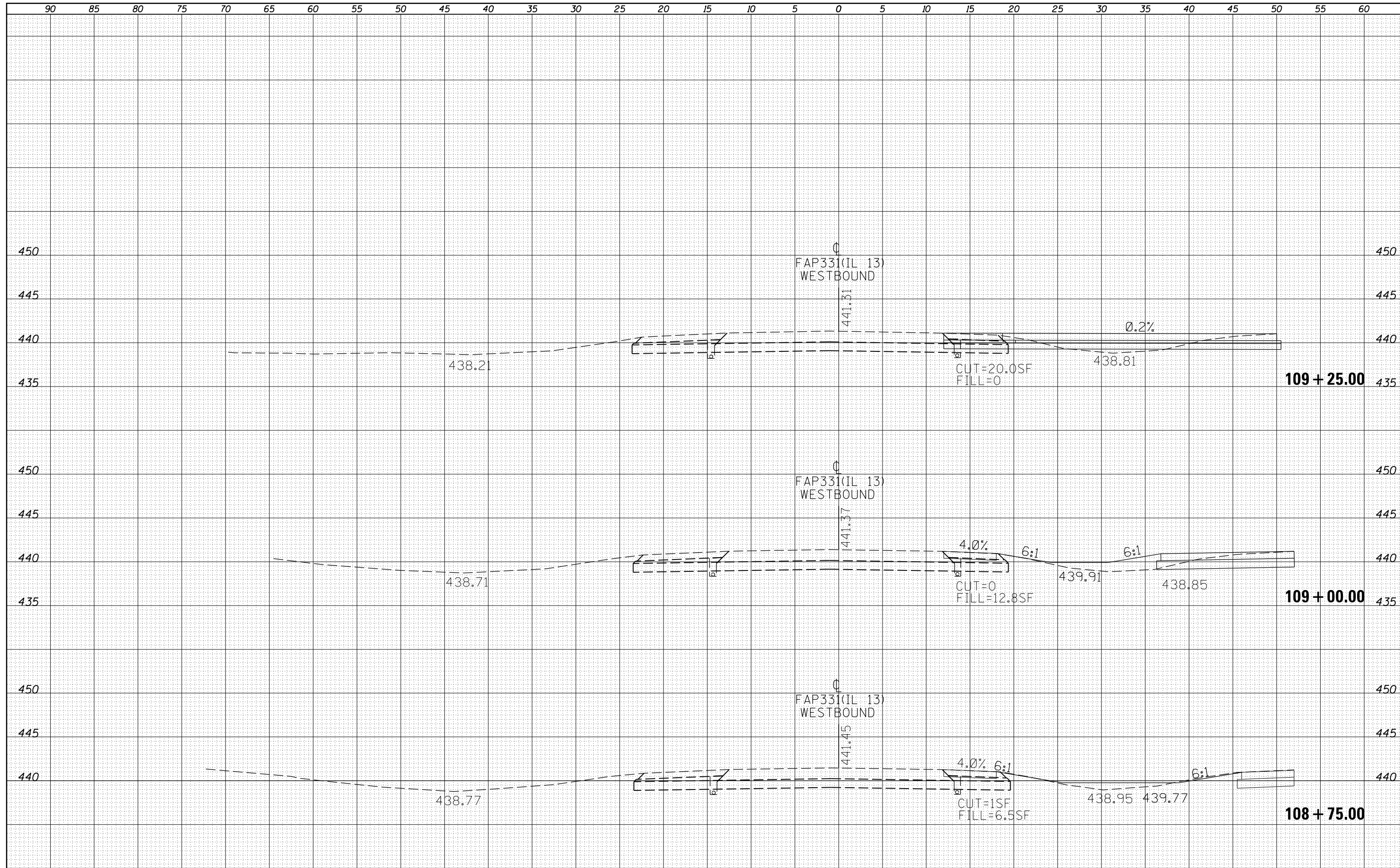
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET		OF		SHEETS		STA. 108+00.00		TO STA. 108+50.00	
		331		6-1(N-1)		WILLIAMSON		CONTRACT NO. 78449			

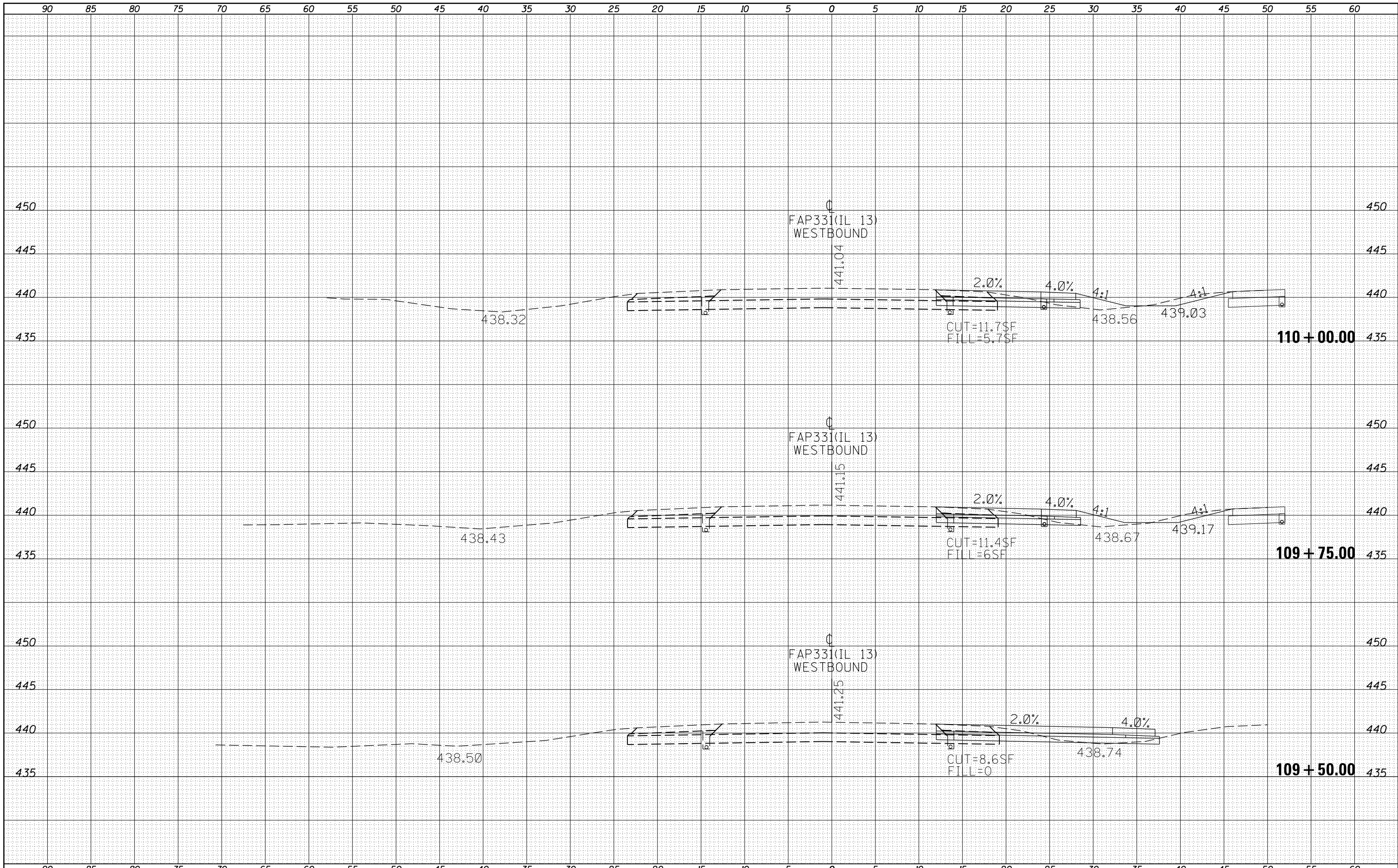
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78449	

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sections.dgn	CHECKED -	REVISIED -			331	6-1(N-1)	WILLIAMSON	154	75	
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	PLOT DATE = 6/24/2016					SCALE:	SHEET OF SHEETS	STA. 108+75.00 TO STA. 109+25.00			

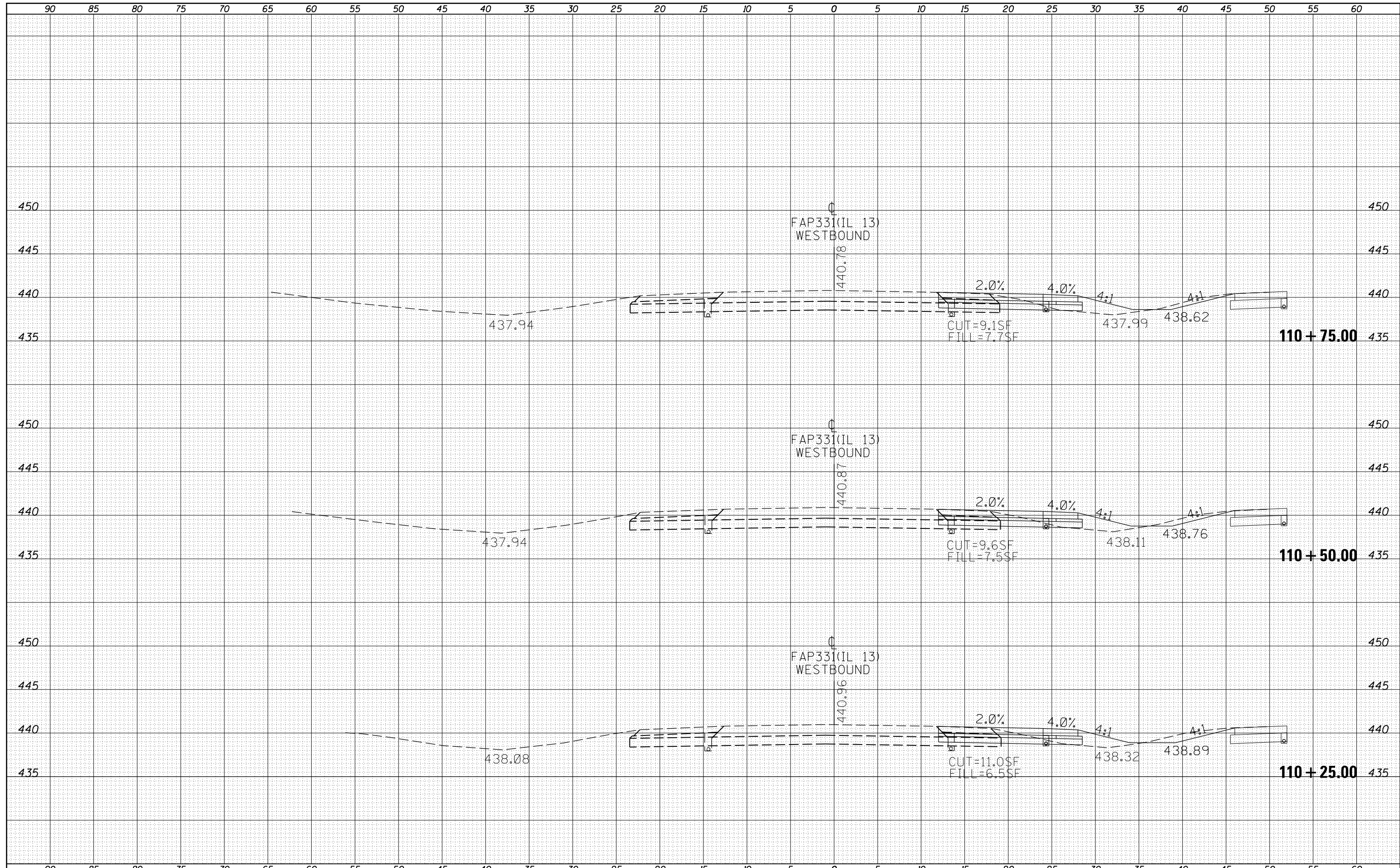


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

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PLOTTED	
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AREAS	
AREAS CHECKED	
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DATE	
BY	
FINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
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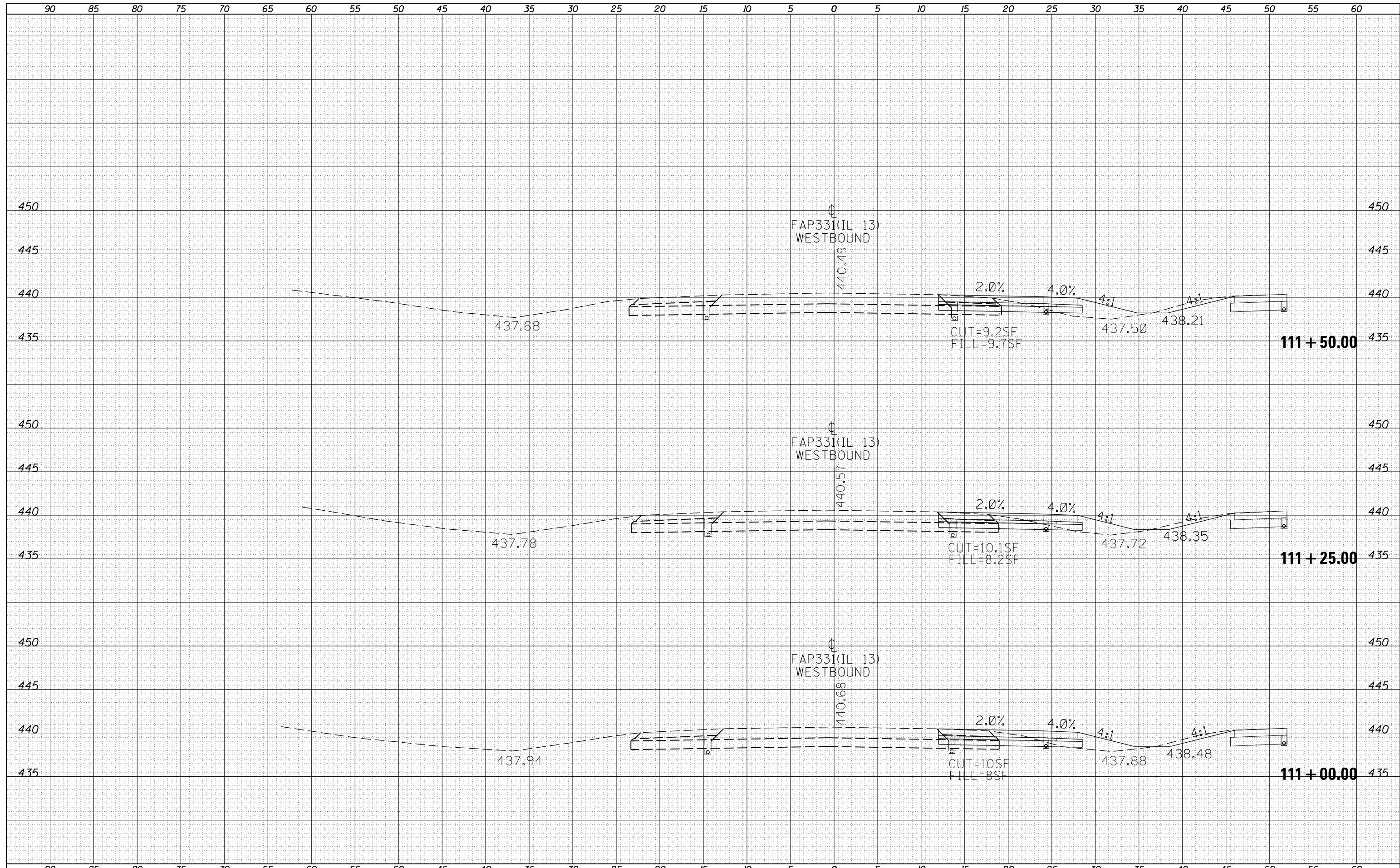
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TEMPLATE	
NOTE BOOK	
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Default		DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 110+25.00

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

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



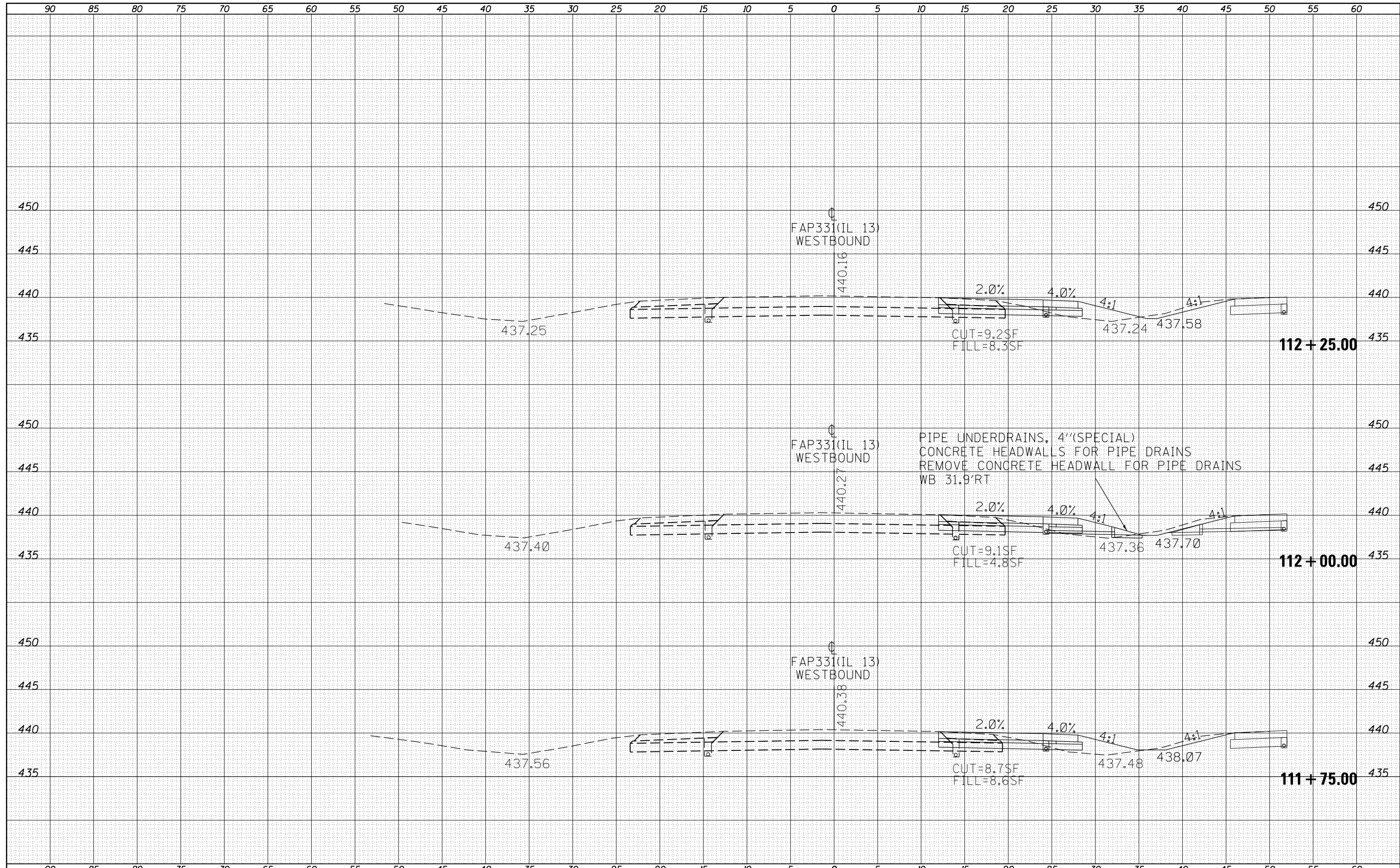
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -	SCALE:		SHEET OF SHEETS		CONTRACT NO. 78449
	PLOT DATE = 6/24/2016	DATE -	REVISIED -	STA. 111+00.00 TO STA. 111+50.00		ILLINOIS FED. AID PROJECT		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 13WB - CROSS SECTIONS**

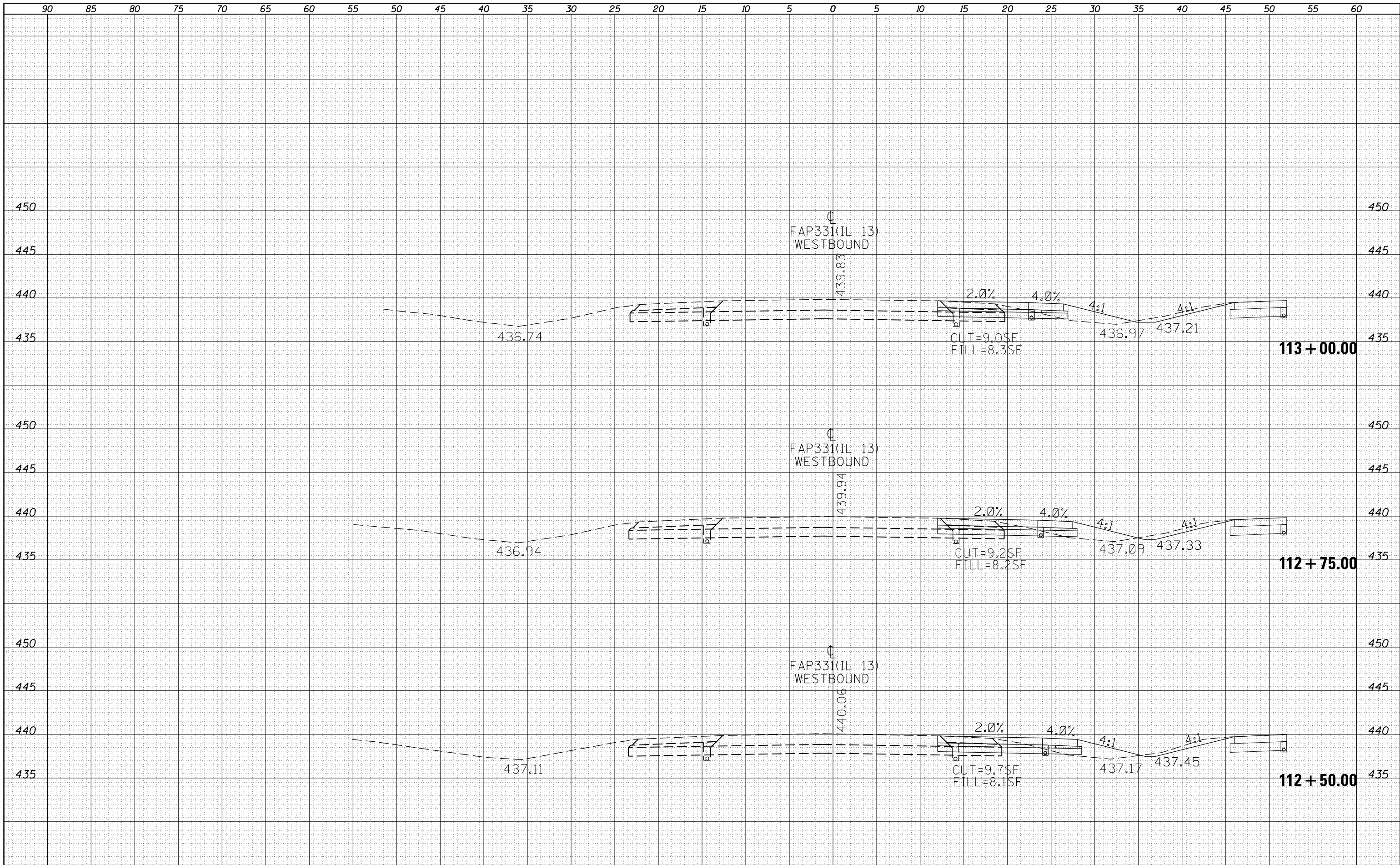
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

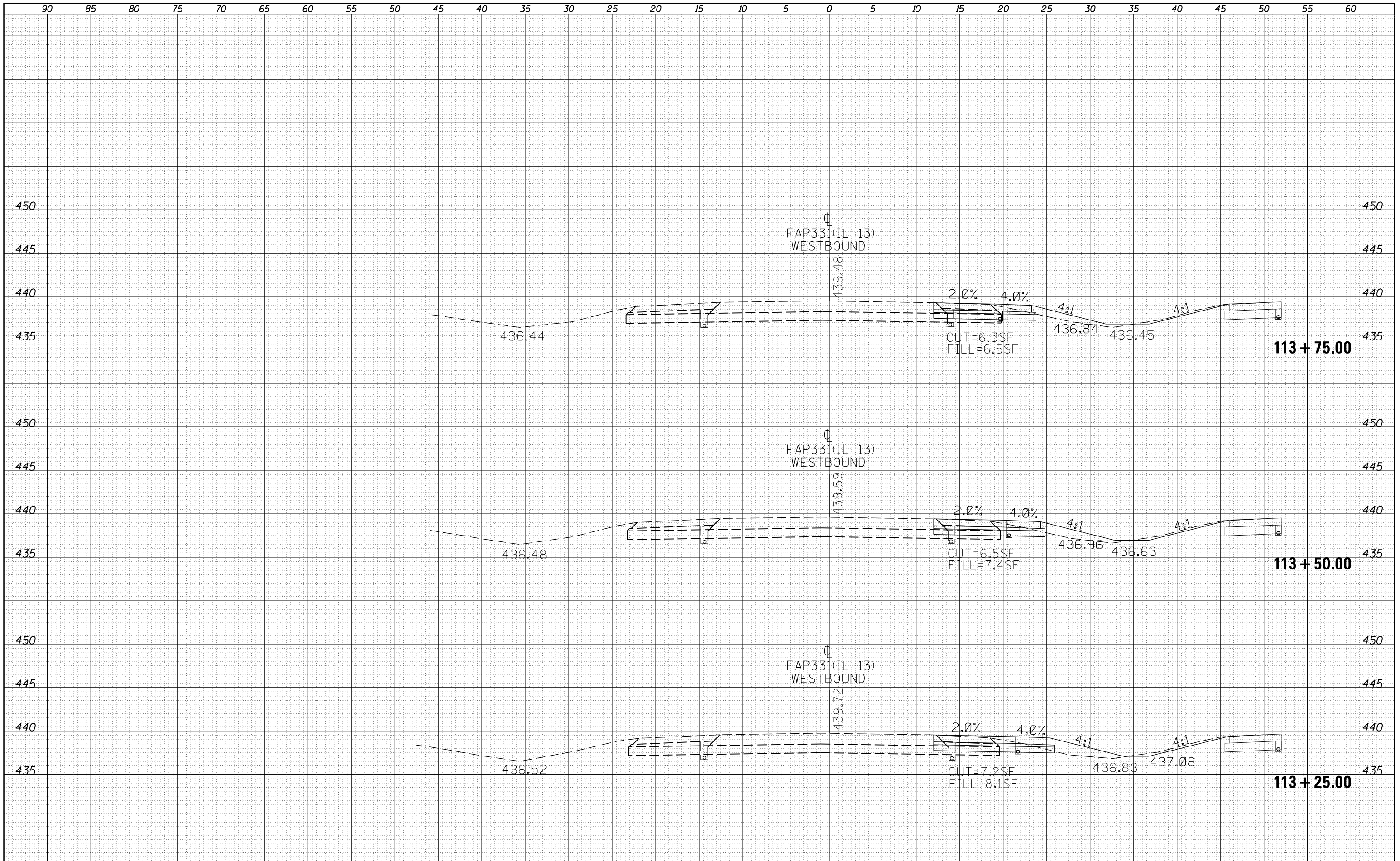
BY	DATE
SURVEYED	
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TEMPLATE	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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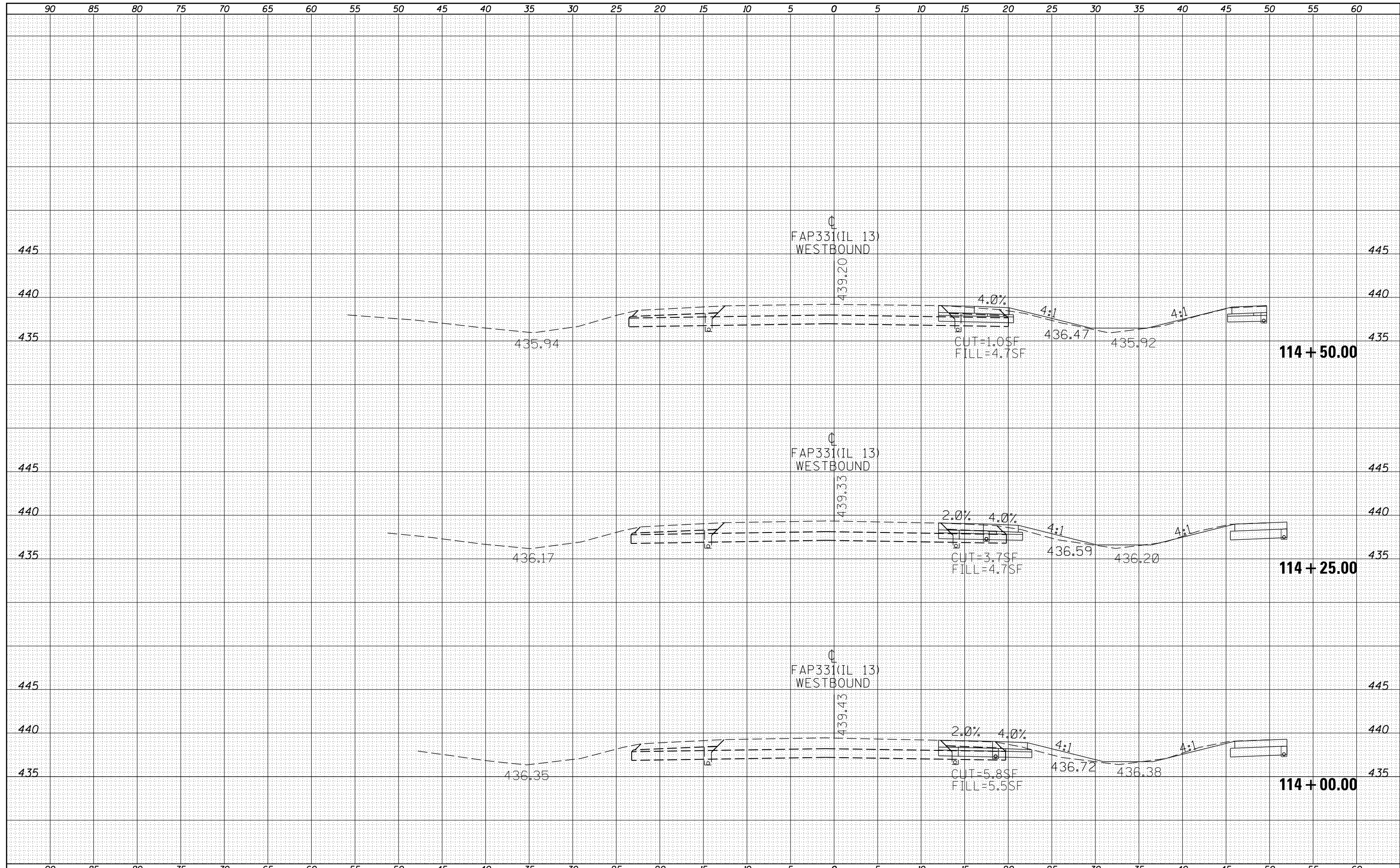
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	PLOT DATE = 6/24/2016	DATE -	REVISD -		

<b>STATE OF ILLINOIS</b>		<b>IL 13WB - CROSS SECTIONS</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>		<b>CONTRACT NO. 78449</b>	
SCALE:	SHEET	OF	SHEETS
			STA. 113+25.00 TO STA. 113+75.00

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	81
ILLINOIS FED. AID PROJECT				

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

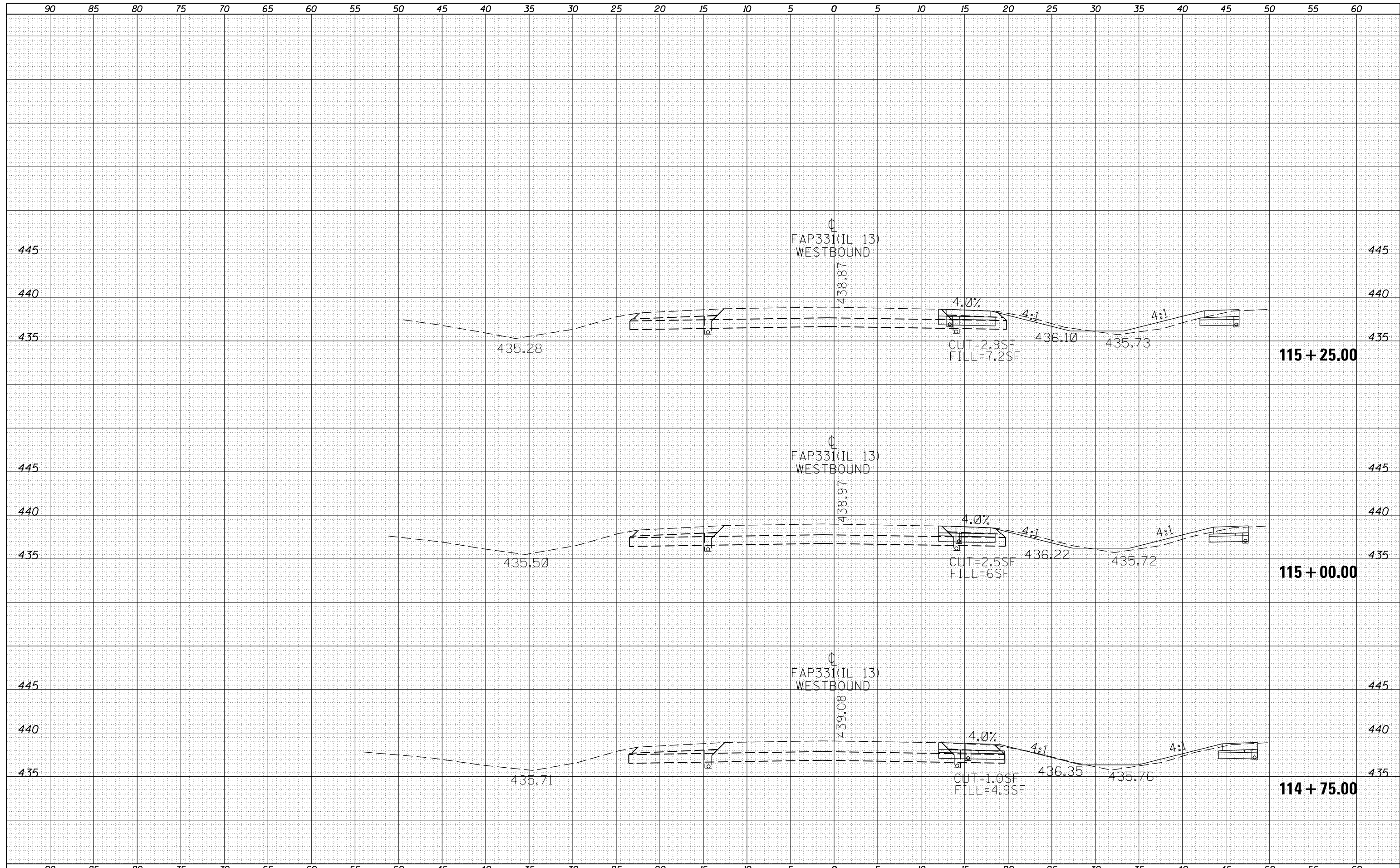
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLLOT DATE = 6/24/2016	DATE -	REVISIED -		CONTRACT NO. 78449			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA. 114+00.00	TO STA. 114+50.00		

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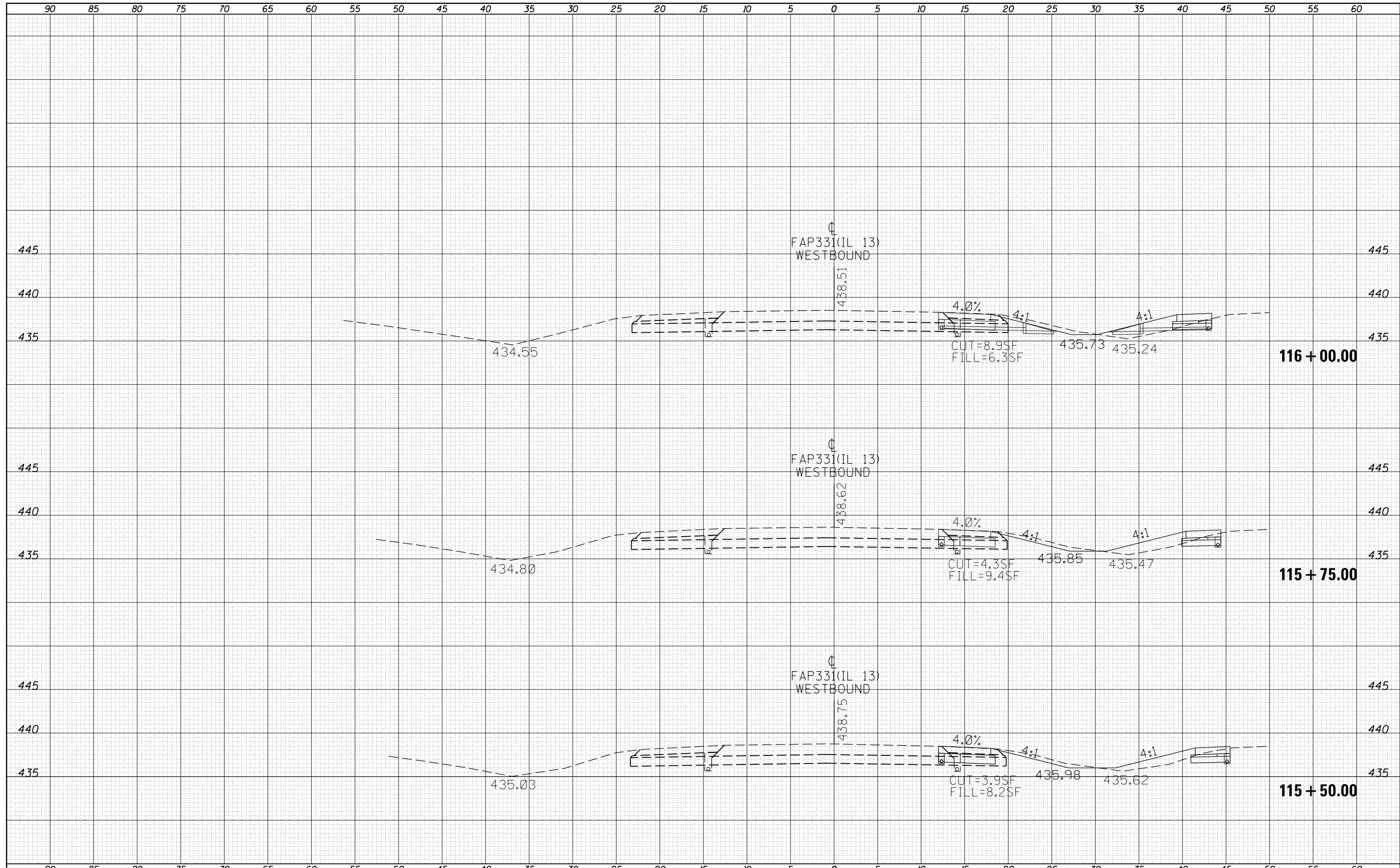
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>		F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/24/2016										

DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS	
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TEMPLATE	
AREAS	
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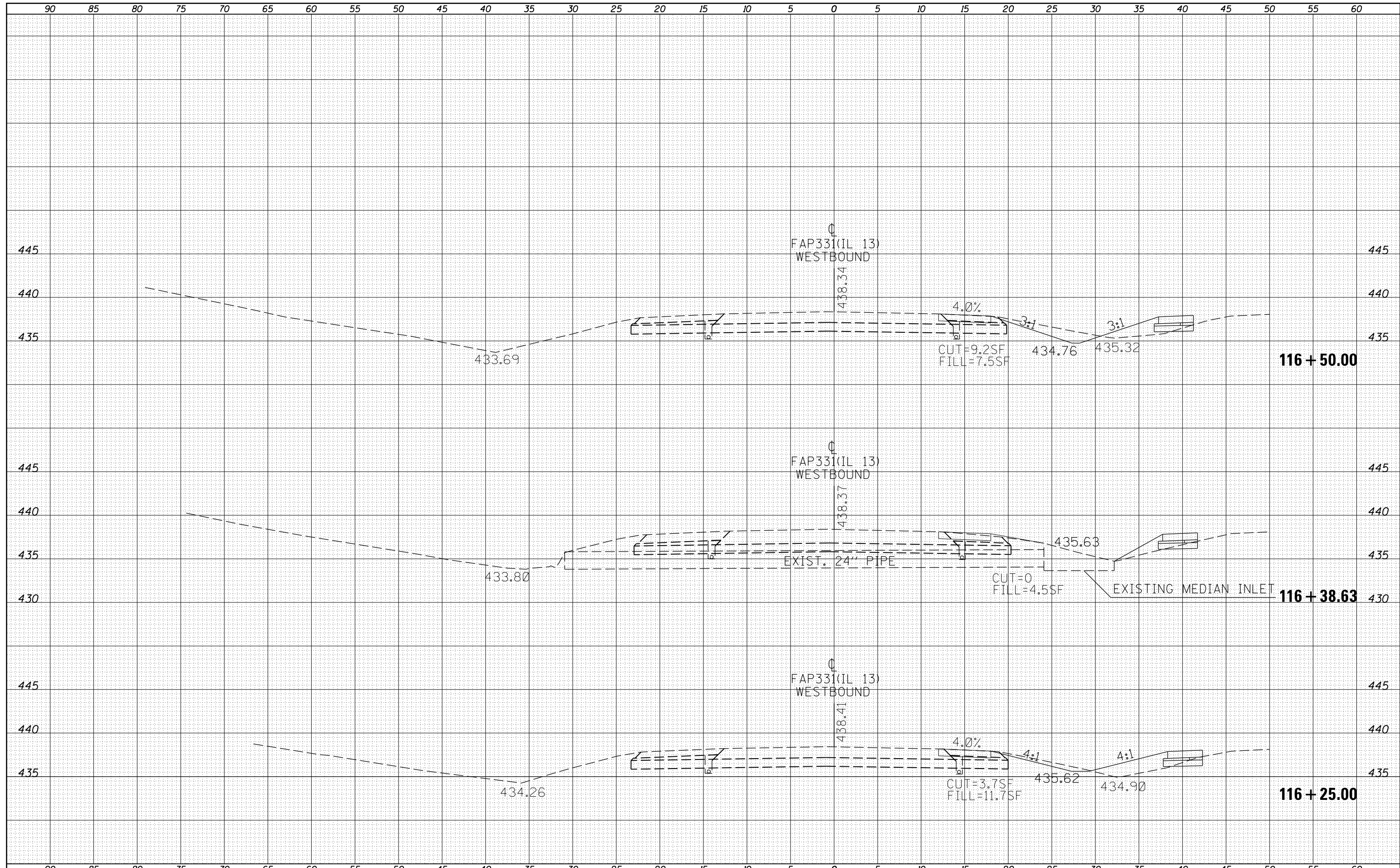
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Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sections.dgn	CHECKED -	REVISOR -	SCALE: SHEET OF SHEETS STA. 115+50.00 TO STA. 116+00.00		CONTRACT NO. 78449		ILLINOIS FED. AID PROJECT
	PLOT SCALE = 10.0000' / in.	DATE -	REVISOR -					
	PLOT DATE = 6/24/2016							

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 13WB - CROSS SECTIONS**

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

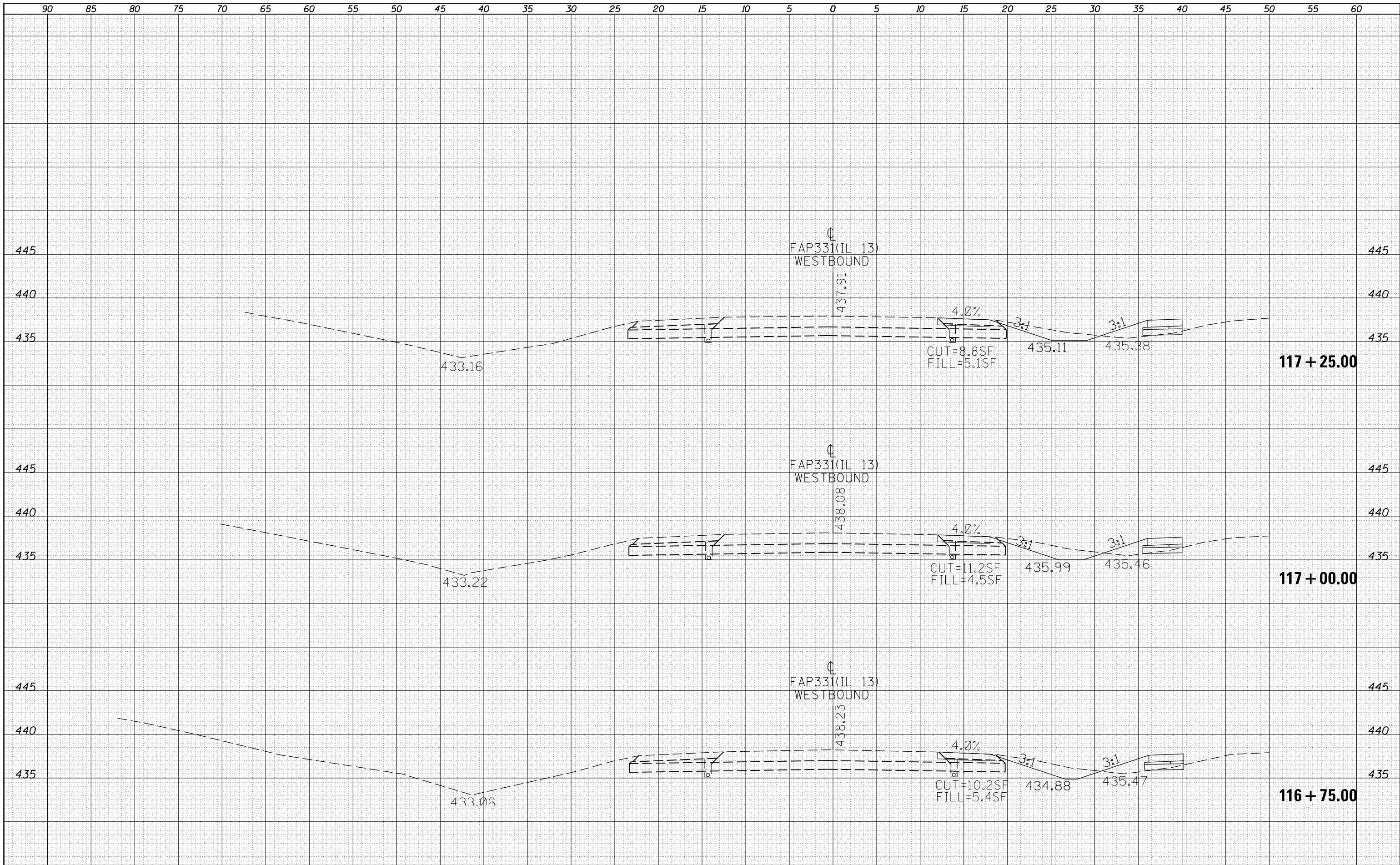
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



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Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sections.dgn	CHECKED -	REVISIED -				331	6-1(N-1)	WILLIAMSON	154	85	
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	PLOT DATE = 6/24/2016				ILLINOIS FED. AID PROJECT							

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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TEMPLATE	
AREAS	
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

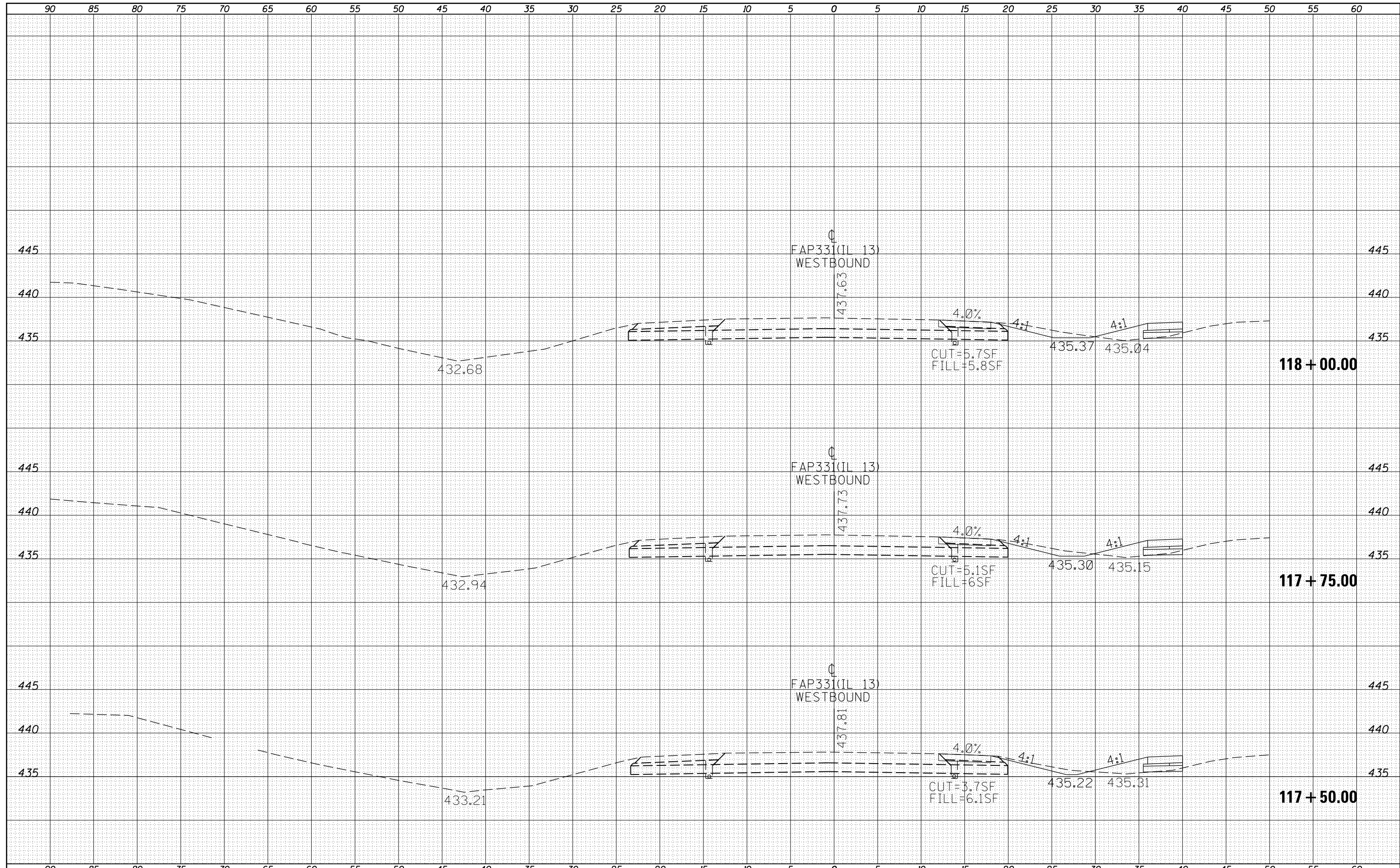
**IL 13WB - CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 116+75.00 TO STA. 117+25.00

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	86
		CONTRACT NO. 78449		
ILLINOIS FED. AID PROJECT				

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

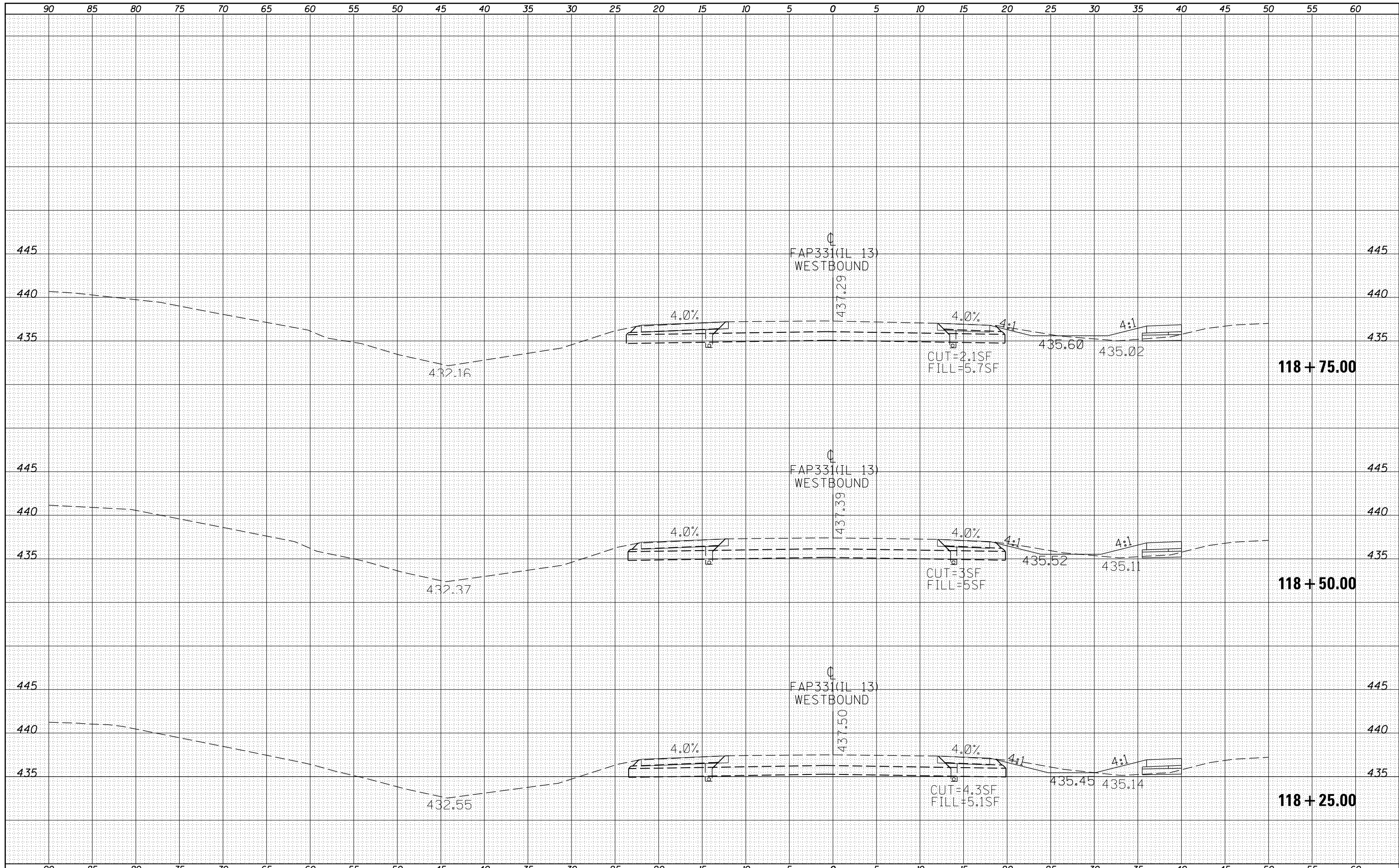
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	117+50.00 TO STA. 118+00.00	PLLOT SCALE = 10.0000' / in.	CHECKED -			REVISIED -	331	6-1(N-1)	WILLIAMSON	154	87
		PLLOT DATE = 6/24/2016	DATE -			REVISIED -	CONTRACT NO. 78449				
						ILLINOIS FED. AID PROJECT					

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

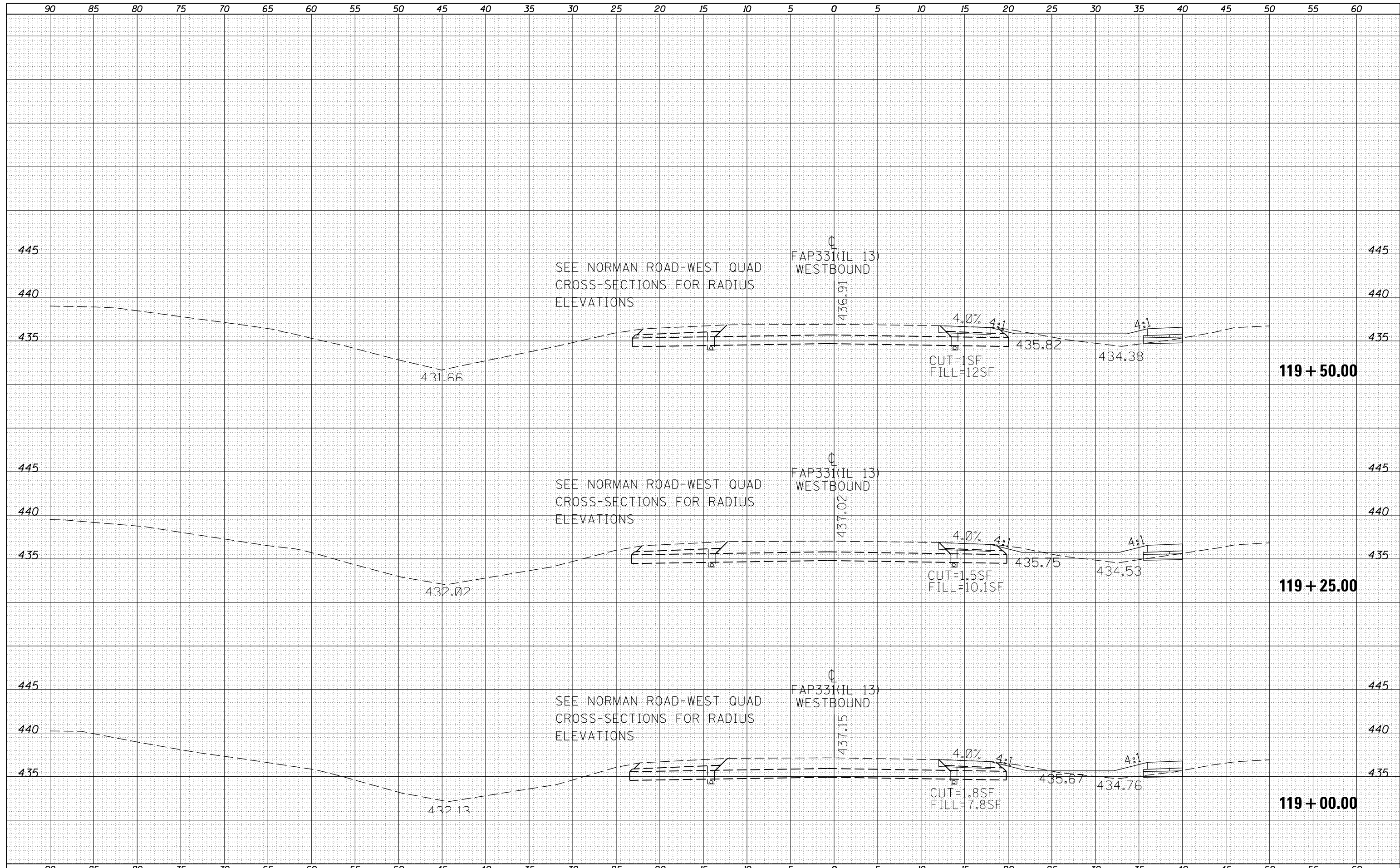
IL 13WB - CROSS SECTIONS			
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		STA. 118+25.00	TO STA. 118+75.00

F.A.P. R.T.E.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	88
		CONTRACT NO. 78449		
ILLINOIS FED. AID PROJECT				

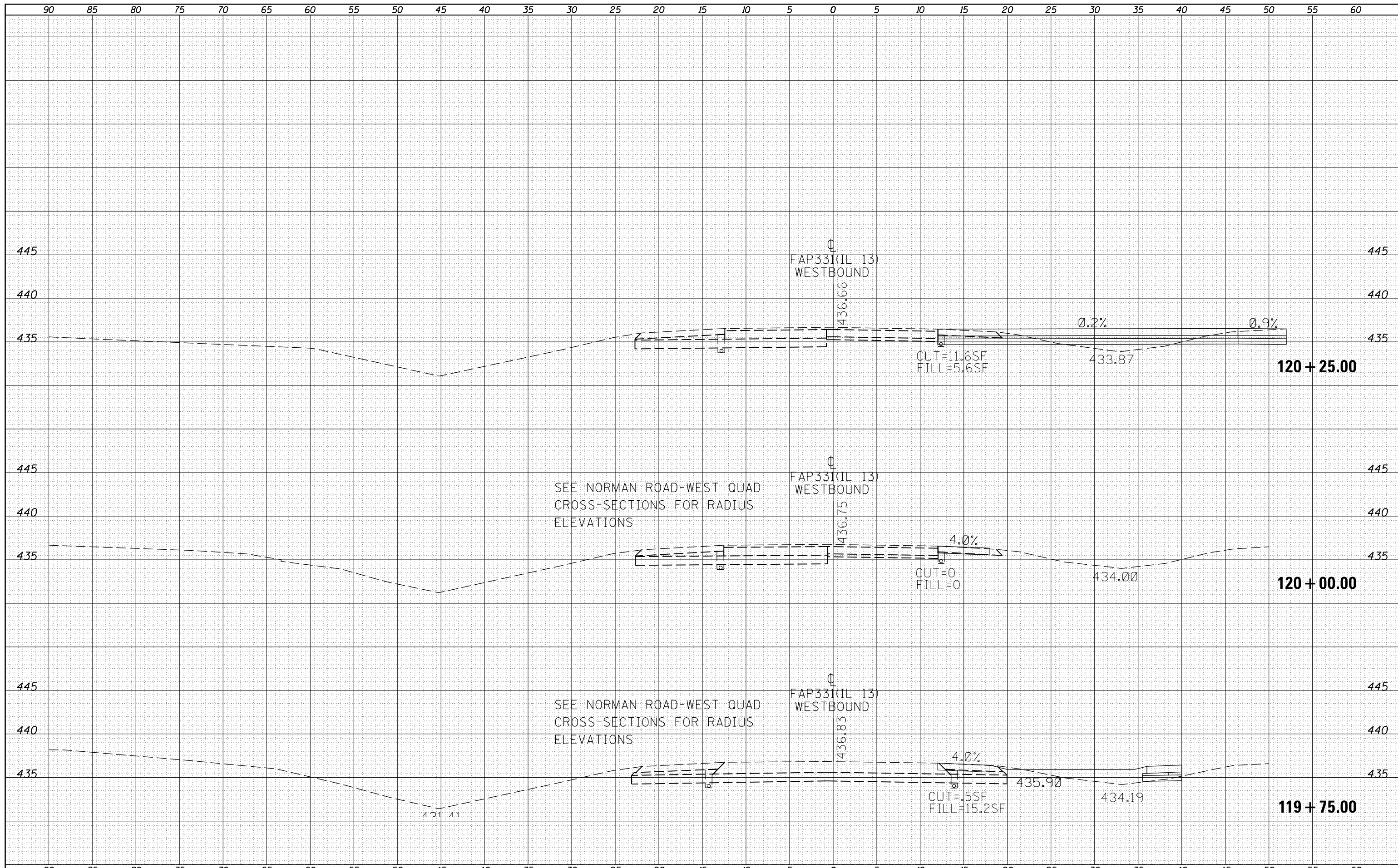


DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 6/24/2016		REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET OF SHEETS	STA. 119+00.00 TO STA. 119+50.00					



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

BY	
DATE	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 13WB - CROSS SECTIONS

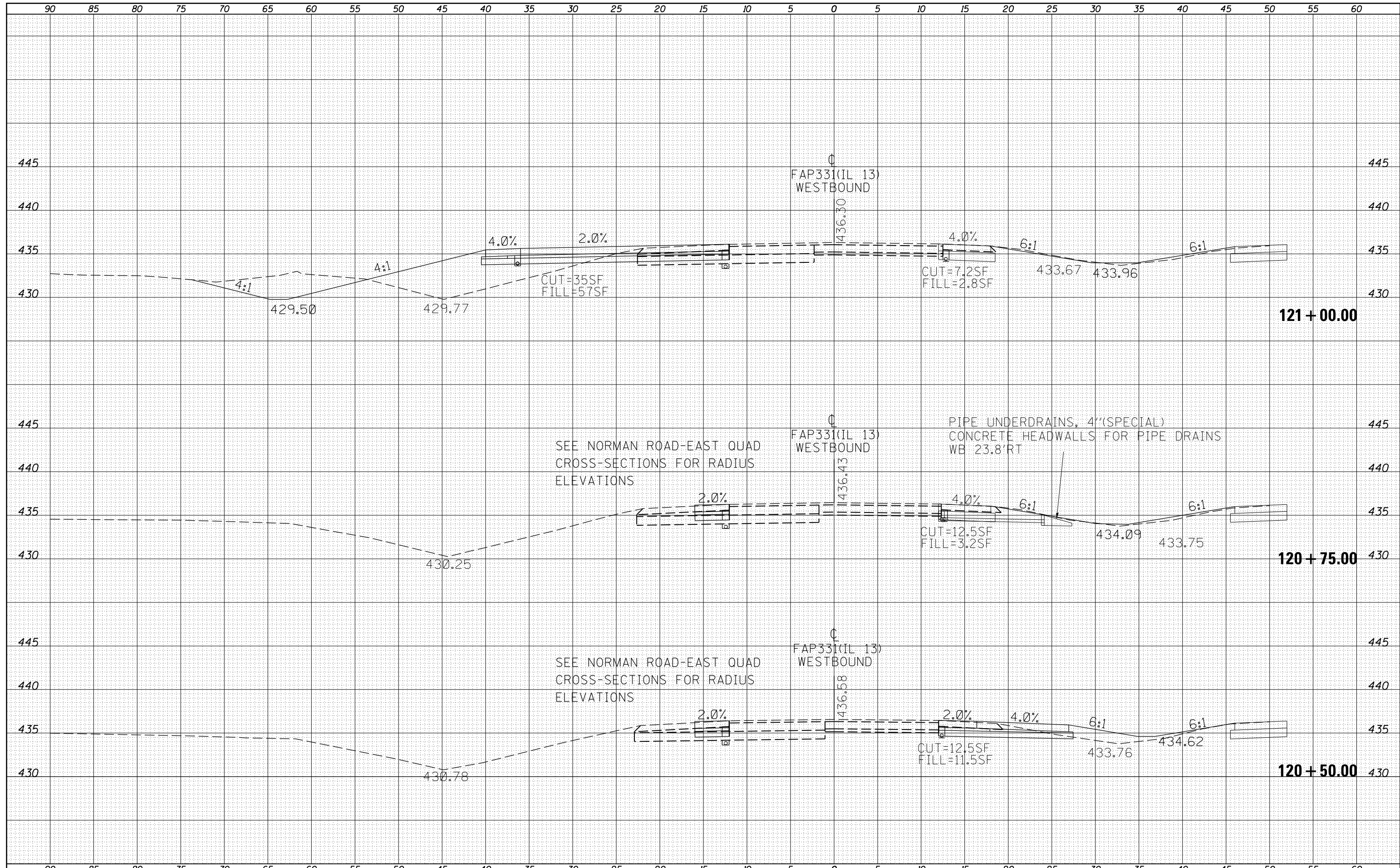
SCALE: SHEET OF SHEETS STA. 119+75.00 TO STA. 120+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6-1(N-1)	WILLIAMSON	154	90
				CONTRACT NO. 78449

ILLINOIS FED. AID PROJECT

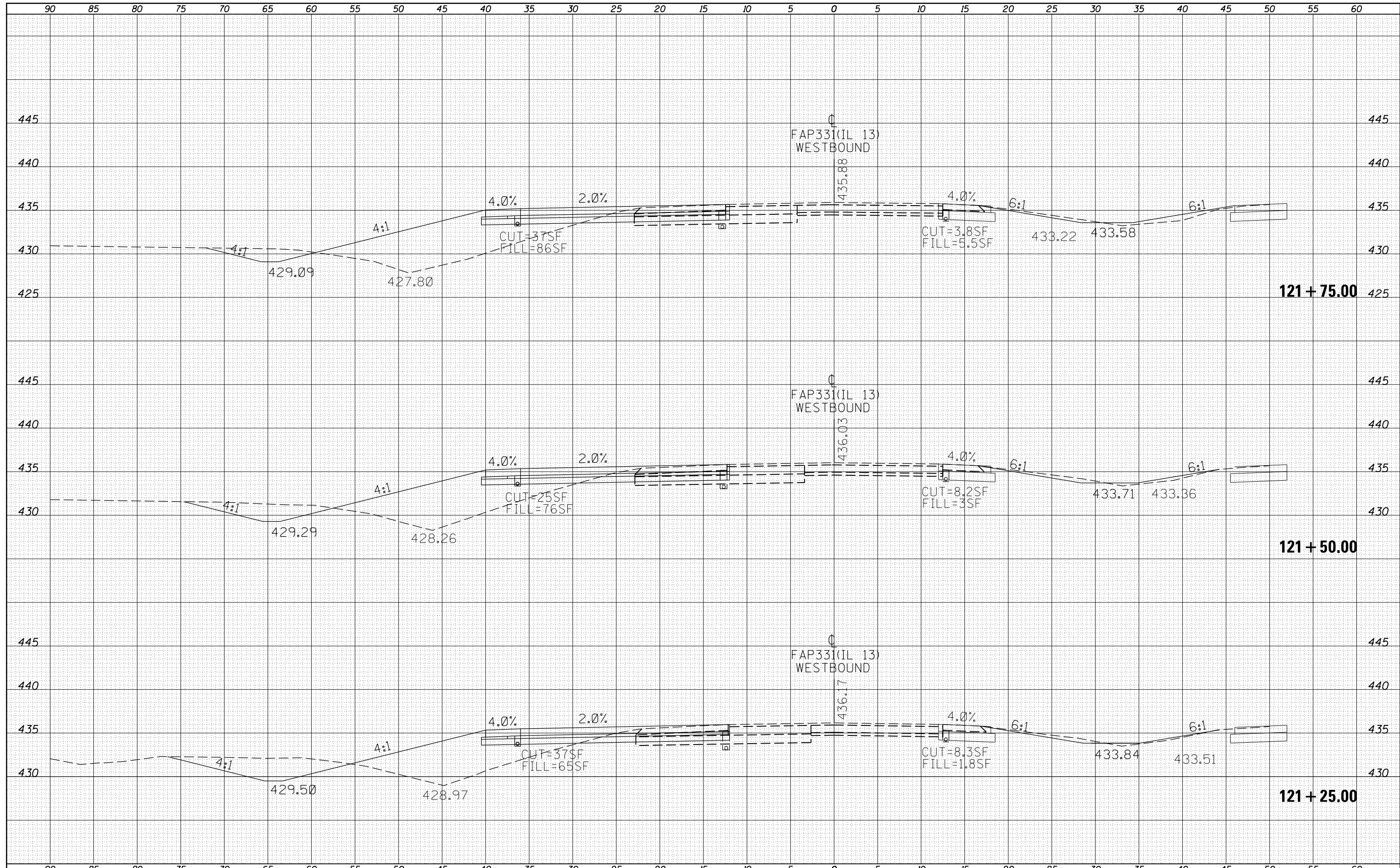
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NOTE BOOK	
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TEMPLATE	
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ORIGINAL	
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NOTE BOOK	
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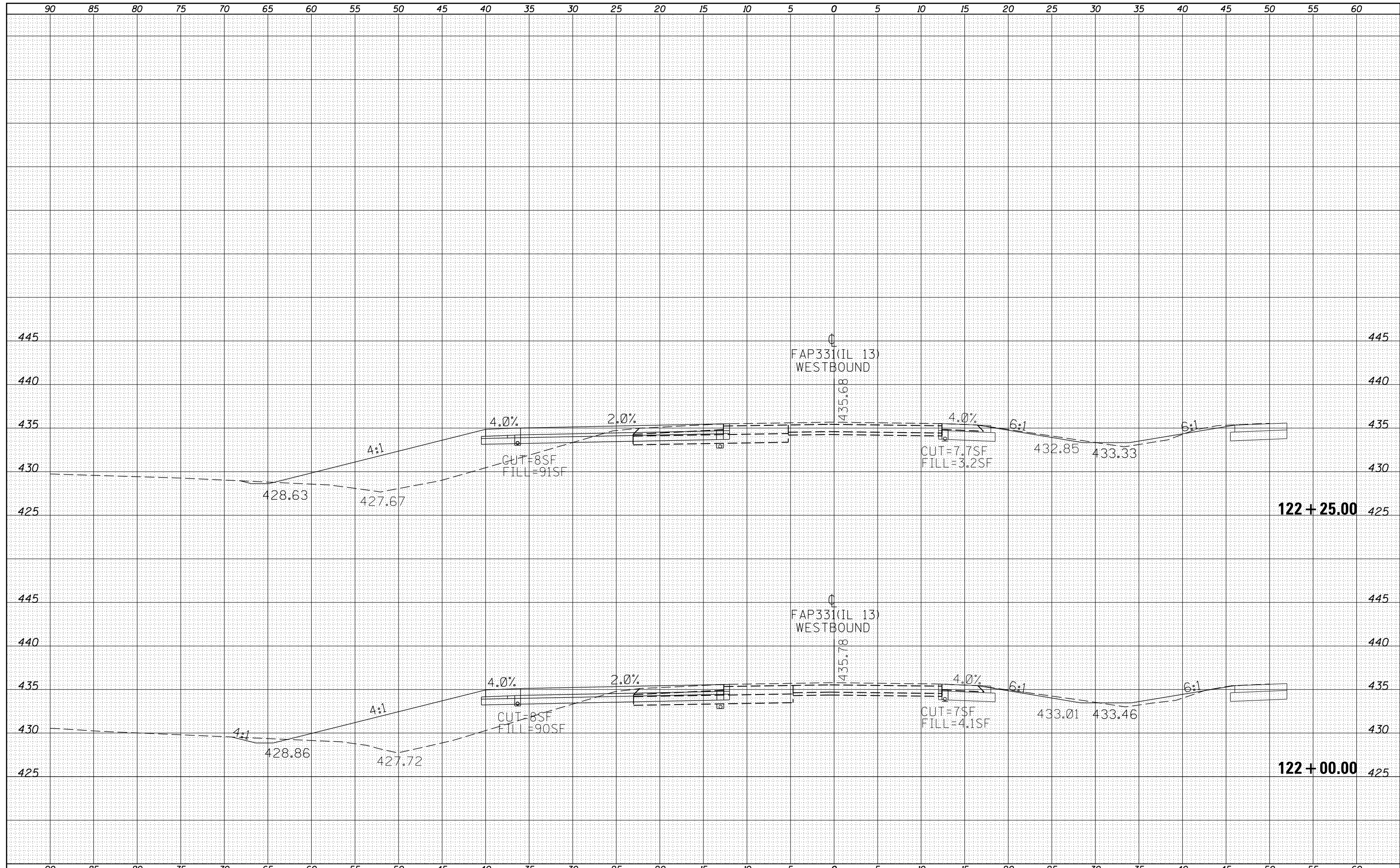
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FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sections.dgn	REVISIED -	REVISIED -				331	6-1(N-1)	WILLIAMSON	154	92	
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	PLOT DATE = 6/24/2016	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

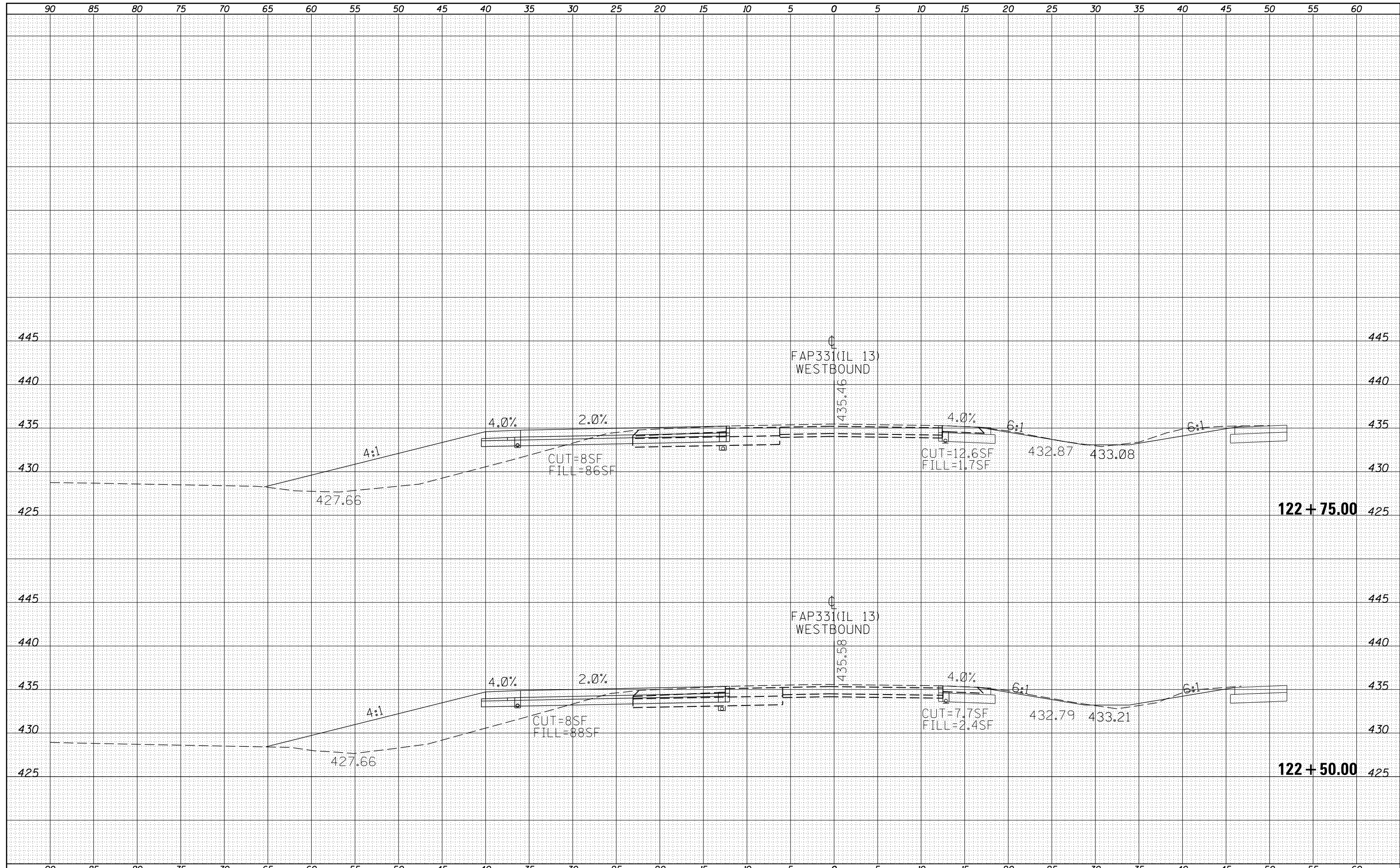
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78449\CADD\DRAWN\sheet\shjtj-xsections.dgn	DRAWN	REVISIED -	REVISIED -			331	6-1(N-1)	WILLIAMSON	154	93	
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 78449		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 6/24/2016	DATE -	REVISIED -			SCALE:	SHEET OF SHEETS	STA. 122+00.00 TO STA. 122+25.00			

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

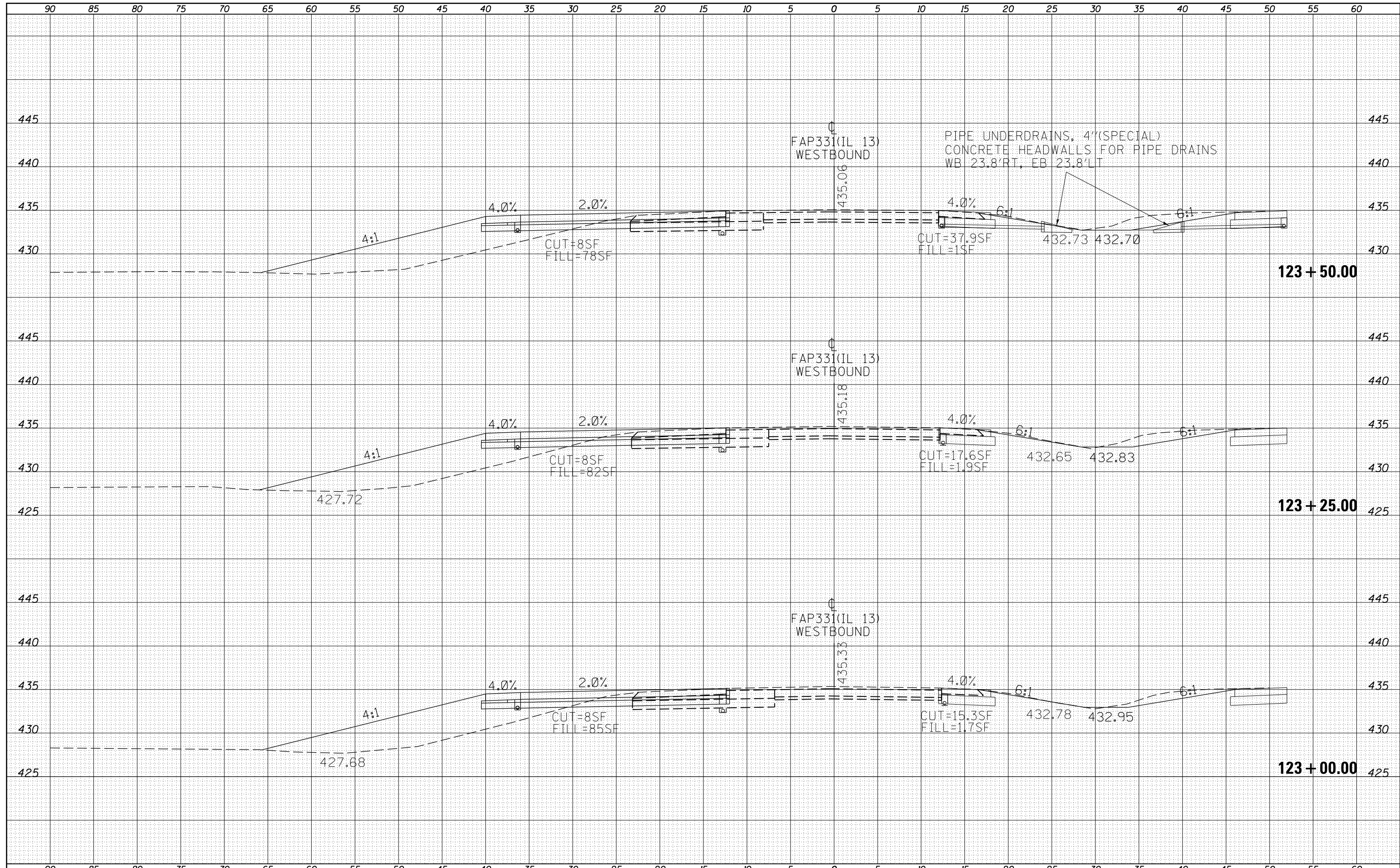
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NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\78449\CADD\Drawings\sections\sections.dgn	NOTED	REVISIED -	331			6-1(N-1)	WILLIAMSON	154	94	
PLOT SCALE = 10.0000 "/td> <td>CHECKED -</td> <td>REVISIED -</td> <td colspan="4">CONTRACT NO. 78449</td>	CHECKED -	REVISIED -	CONTRACT NO. 78449							
Default	DATE -	REVISIED -	SCALE:			SHEET	OF	SHEETS	STA. 122+50.00	TO STA. 122+75.00

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TEMPLATE	
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NOTE BOOK	
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NOTE BOOK	
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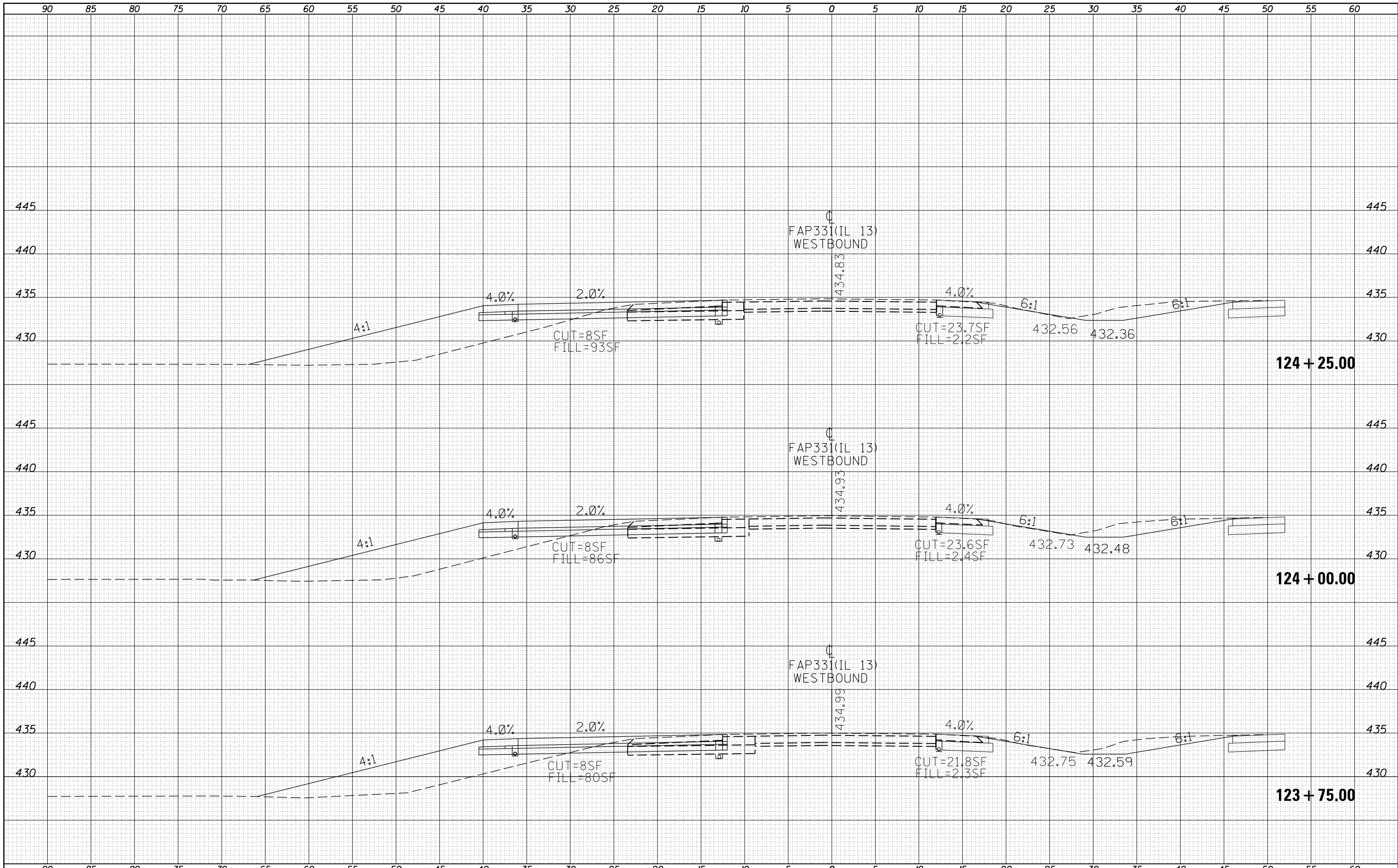
PIPE UNDERDRAINS, 4" (SPECIAL)  
CONCRETE HEADWALLS FOR PIPE DRAINS  
WB 23.8' RT, EB 23.8' LT

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISOR -	F.A.P. RTE. 331	SECTION 6-1(N-1)	COUNTY WILLIAMSON	TOTAL SHEETS 154	SHEET NO. 95
Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sheet\shjtj-xsections.dgn	CHECKED -	REVISOR -	IL 13WB - CROSS SECTIONS		CONTRACT NO. 78449	ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 10.0000' / in.	DATE -	REVISOR -	SCALE:	SHEET OF SHEETS	STA. 123+00.00 TO STA. 123+50.00		
	PLOT DATE = 6/24/2016							

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BY	DATE
SURVEYED	
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TEMPLATE	
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BY	DATE
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TEMPLATE	
AREAS	
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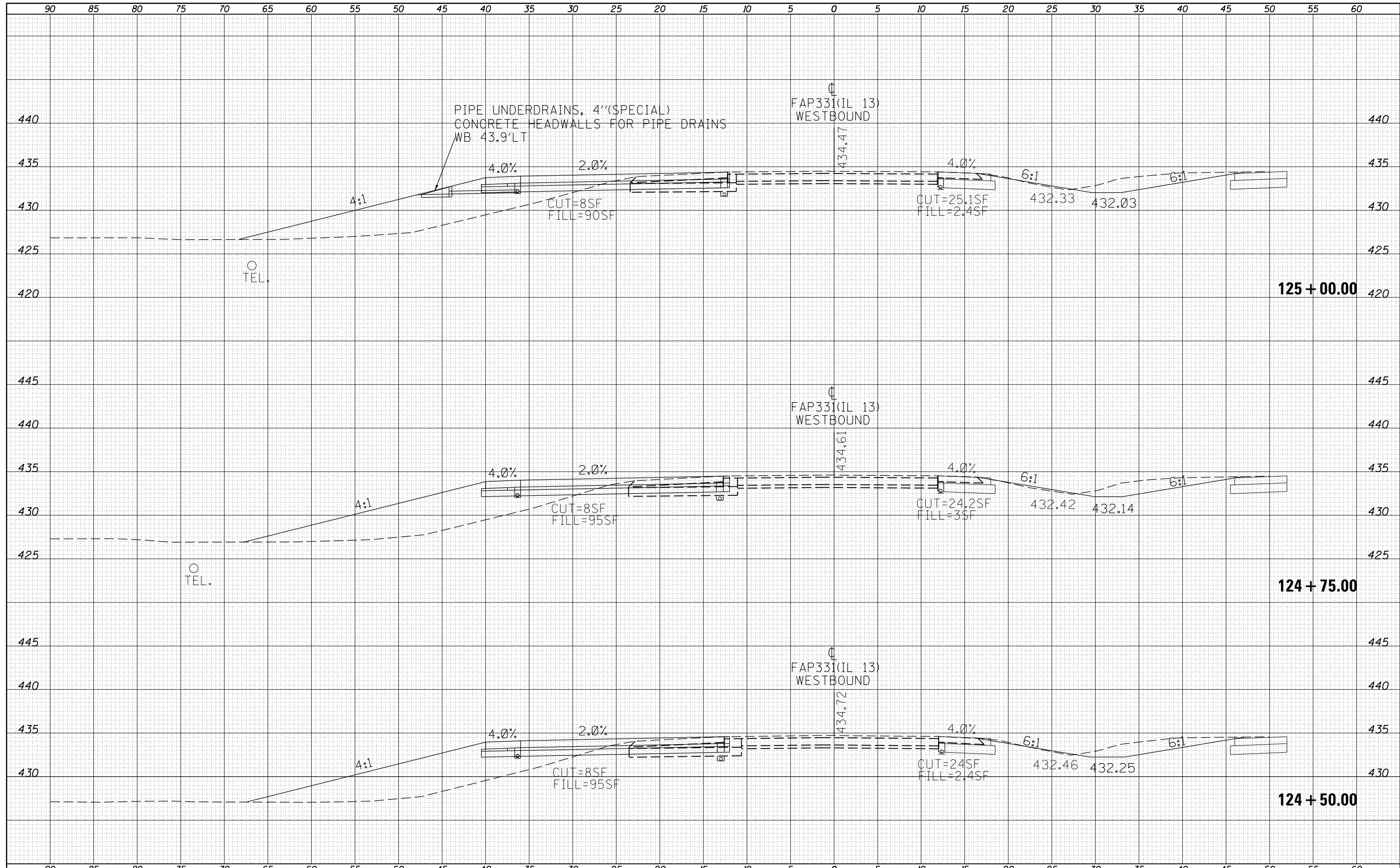


FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL 13WB - CROSS SECTIONS		F.A.P. RE. 331	SECTION 6-1(N-1)	COUNTY WILLIAMSON	TOTAL SHEETS 154	SHEET NO. 96
		CHECKED -	REVISIED -			SCALE:					CONTRACT NO. 78449	
		DATE -	REVISIED -			SHEET OF SHEETS		STA. 123+75.00 TO STA. 124+25.00		ILLINOIS FED. AID PROJECT		



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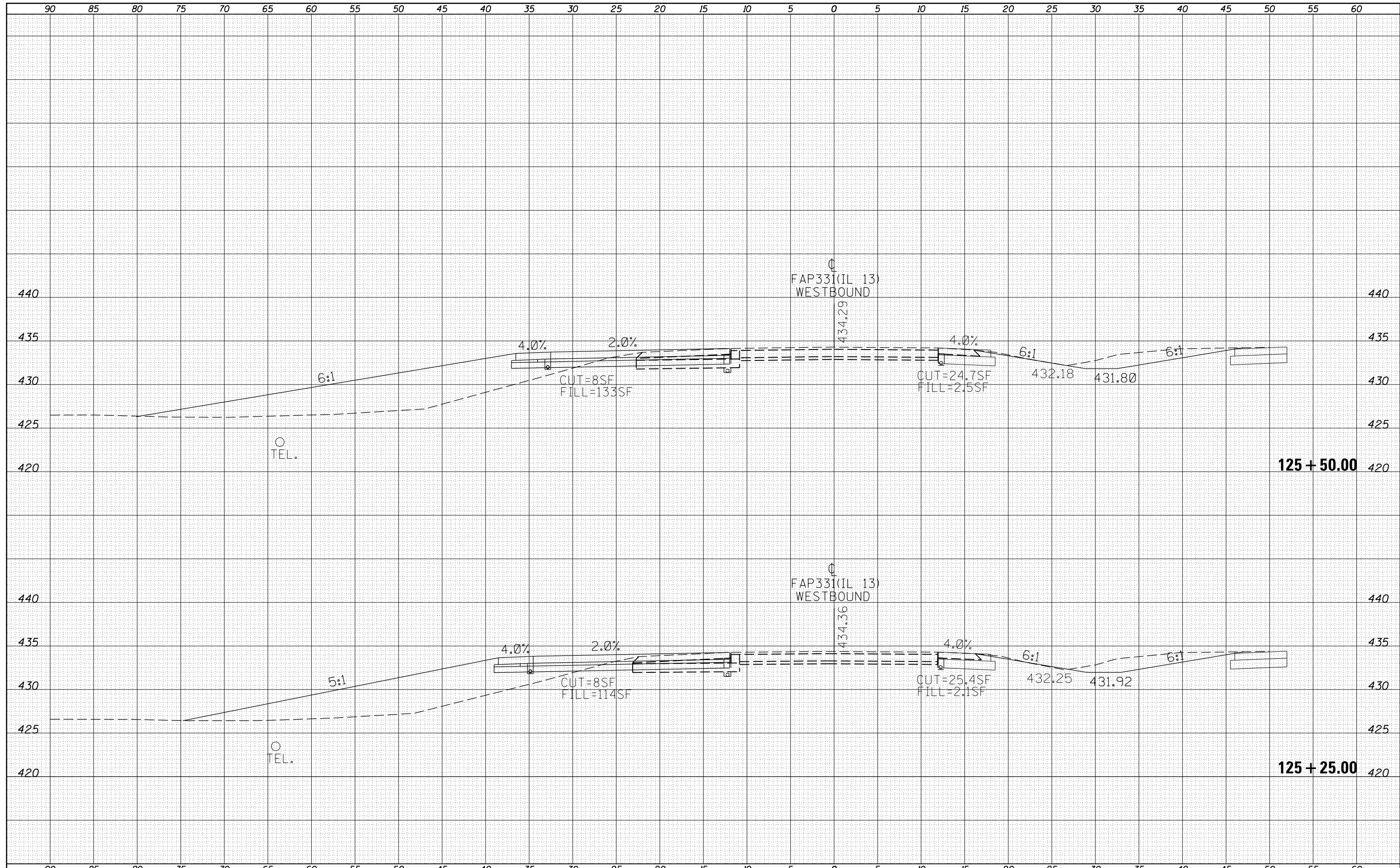
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FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>			F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 78449			ILLINOIS FED. AID PROJECT				
Default	PLOT DATE = 6/24/2016	DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 124+50.00	TO STA. 125+00.00		

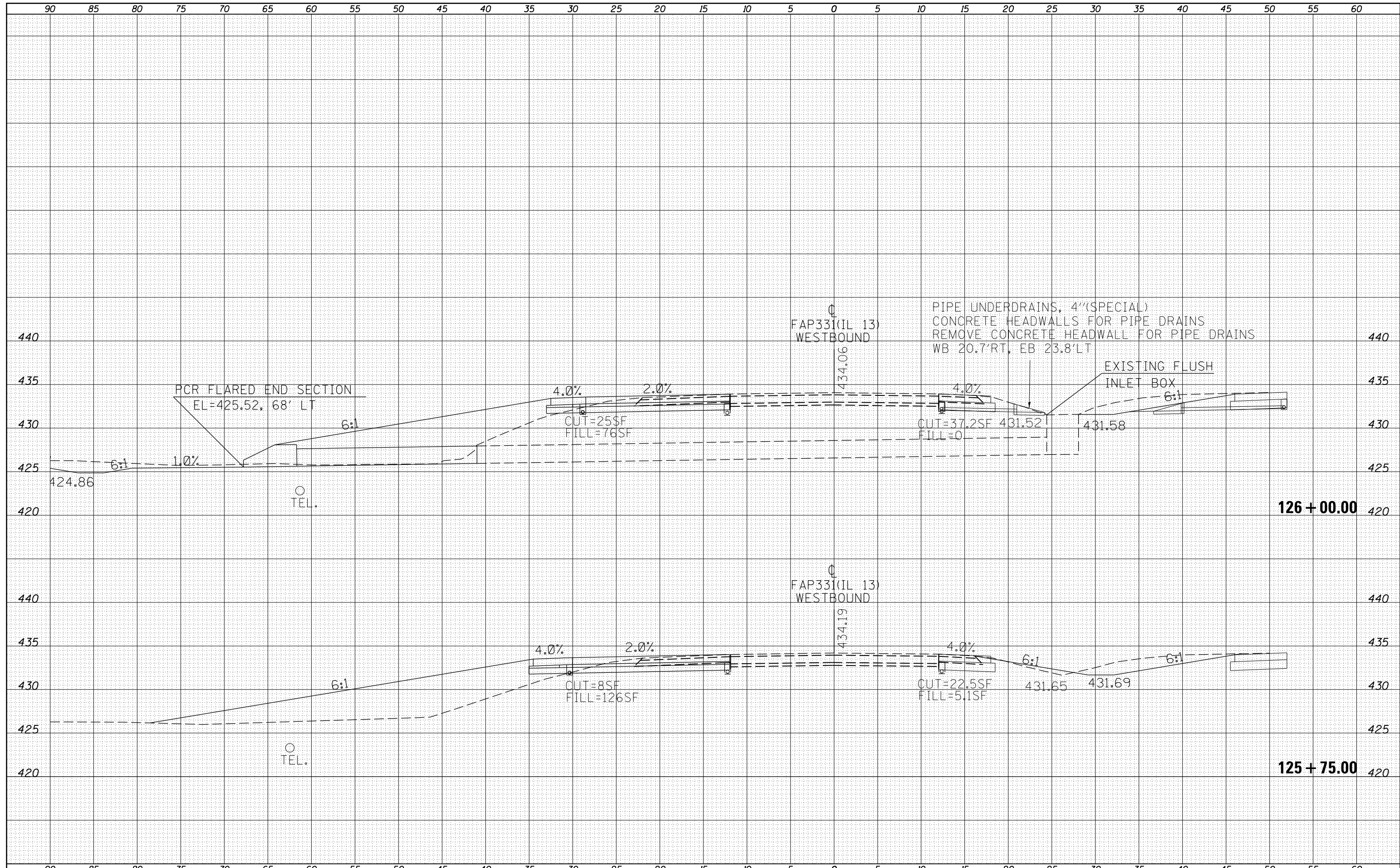
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BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



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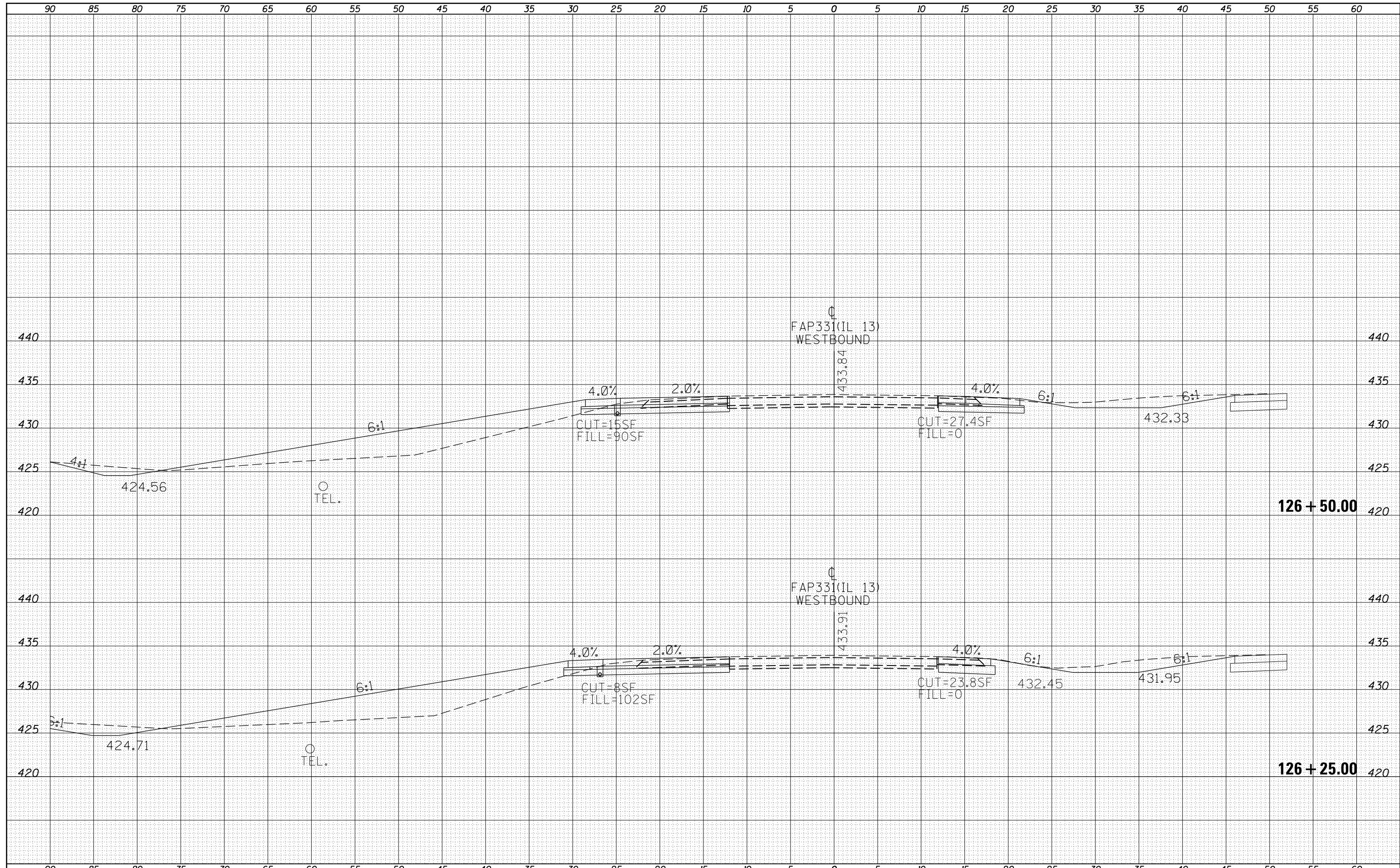
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FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -	REVISIED -			CONTRACT NO. 78449		ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 6/24/2016	DATE -	REVISIED -			SCALE:	SHEET OF SHEETS	STA. 125+75.00 TO STA. 126+00.00			

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = greenleesm	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>IL 13WB - CROSS SECTIONS</b>	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 9\Projects\78449\CADD\Drawings\sections.dgn	CHECKED -	REVISIED -			331	6-1(N-1)	WILLIAMSON	154	100	
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	PLOT DATE = 6/24/2016					SCALE:	SHEET	OF	SHEETS	STA. 126+25.00	TO STA. 126+50.00