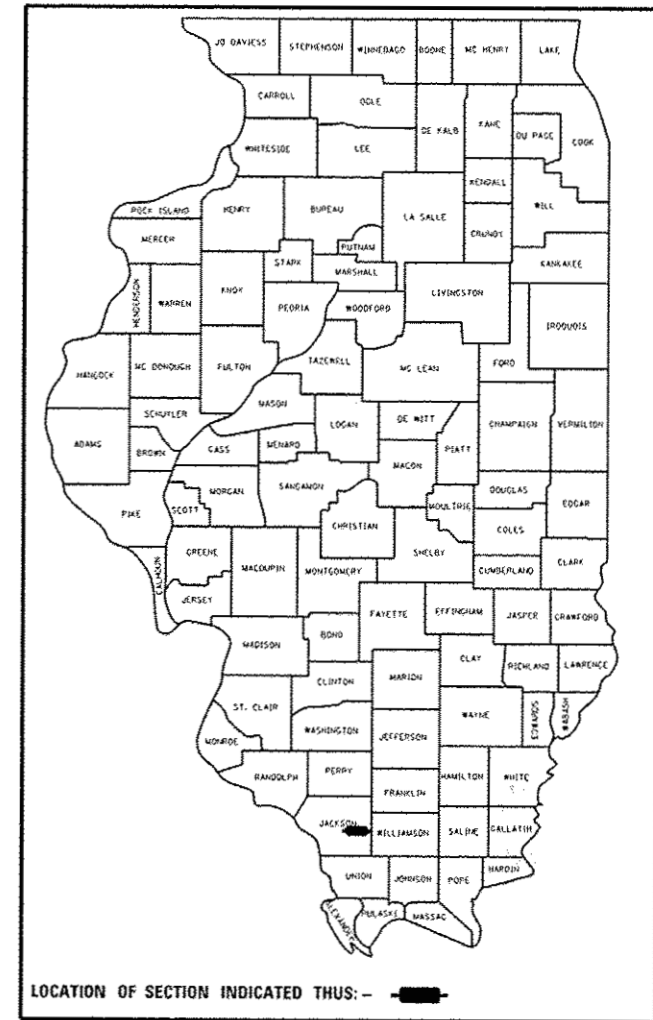


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)N-3	JACKSON	30	1
		ILLINOIS	CONTRACT NO. 78564	

D-99-015-17



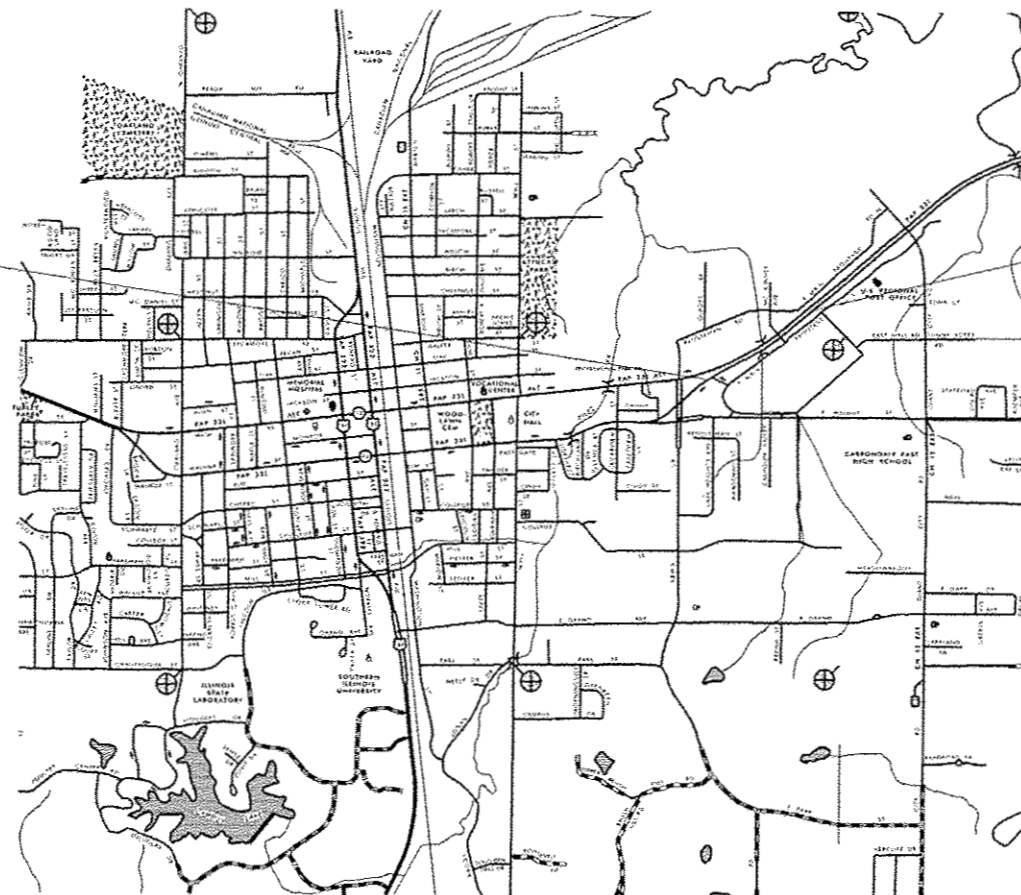
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)  
SECTION (5-4)N-3

LEFT TURN LANE EXTENSION  
JACKSON COUNTY

C-99-015-17

R1W



R1W

GROSS LENGTH = 1629.43 FT. = 0.3086 MILES  
NET LENGTH = 1629.43 FT. = 0.3086 MILES

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

**TRAFFIC DATA**

APPROACH	ADT	% TRUCKS
IL 13 WEST OF MCKINNEY AVE.	24,900 (2013)	7.4%
IL 13 EAST OF MCKINNEY AVE.	24,900 (2013)	7.4%
MCKINNEY AVE. NORTH OF IL 13	6,600 (2012)	1.1%
MCKINNEY AVE. SOUTH OF IL 13	4,950 (2012)	0.6%

**TOWNSHIPS**

CABONDALE

PROJECT BEGINS  
EB STA. 198+50.10

PROJECT ENDS  
WB STA. 120+14

**STATION EQUATION**

198+50.10 BK = 110+04.71 AH

COORDINATE SYSTEM : EPSG: 102671 NAD  
STATE PLANE ILLINOIS EAST FIPS 1201 FEET

POSTED SPEED : 45 MPH

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

PROJECT ENGINEER CAROLYN OVERMYER  
PROJECT DESIGNER SUSAN POE

CONTRACT NO. 78564

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 16 20 17  
Jeffrey Z Keen  
REGION FIVE ENGINEER  
May 12 20 17  
Maureen M. Addis, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT  
May 22 20 17  
Annelle [Signature]  
DIRECTOR OF PROGRAM DEVELOPMENT

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



## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, COMMITMENTS
4 - 6	SUMMARY OF QUANTITIES
7 - 8	TYPICAL SECTIONS
9 - 10	SCHEDULES OF QUANTITIES
11	TIE POINTS
12	GEOPAK ELEMENTS
13 - 15	PROPOSED REMOVAL
16 - 18	PROPOSED CONSTRUCTION
19 - 20	GEOMETRICS
21 - 22	PAVEMENT MARKING
23 - 24	DETAILS: CAST IRON FRAMES SPECIAL, CONCRETE COLLAR, INLET SPECIAL NO. 1, REMOVING INLET, CLASS C PATCHES (SPECIAL)
25 - 30	CROSS-SECTIONS IL 13

## STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
420001-08	PAVEMENT JOINTS
420101-05	24' JOINTED PCC PAVEMENT
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

## GENERAL NOTES

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED WILL BE DETERMINED BY THE ENGINEER.

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.

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER, IF NOT SLIPFORMED AS PER ARTICLE 606.05, SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

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

AT ALL LOCATIONS WHERE THE PROPOSED CONCRETE PAVEMENT JOINS AN EXISTING 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.

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

CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

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

PLACEMENT AND LOCATION OF PERMANENT SURVEY MARKERS SHALL BE DETERMINED BY THE ENGINEER IN COORDINATION WITH THE DISTRICT 9 SURVEYS UNIT. IN ADDITION TO THE REQUIREMENTS OF STANDARD 667101, BACKFILL USED IN CONJUNCTION WITH PRECAST MARKERS SHALL BE QUICK-MIX CONCRETE OR SIMILAR MATERIAL APPROVED BY THE ENGINEER.

COMMITMENTS: NONE

FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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MODELNAME#	PLOT DATE = 3/20/2017	DATE -	REVISED -			CONTRACT NO. 78564		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

# SUMMARY OF QUANTITIES

COUNTY: Jackson  
 ROUTE: FAP 331  
 FUNDING: 100% STATE ✓  
 LOCATION: URBAN ✓  
 ROADWAY 004 ✓

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
20800150	TRENCH BACKFILL	CU YD	79
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	980
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	393
42001300	PROTECTIVE COAT	SQ YD	1,648
44000100	PAVEMENT REMOVAL	SQ YD	172
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,473
44213204	TIE BARS 3/4"	EACH	576
54003000	CONCRETE BOX CULVERTS	CU YD	0.1
54248510	CONCRETE COLLAR	CU YD	0.44
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	115
60500060	REMOVING INLETS	EACH	2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,473

12

# SUMMARY OF QUANTITIES - CON

COUNTY: Jackson  
 ROUTE: FAP 331  
 FUNDING: 100% STATE  
 LOCATION: URBAN  
 ROADWAY  
 004

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	6,916
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2
67100100	MOBILIZATION	LSUM	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20
70300100	SHORT TERM PAVEMENT MARKING	FOOT	35
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	62
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	925
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	62
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	925

12

\* SPECIALTY ITEM

# SUMMARY OF QUANTITIES - CON

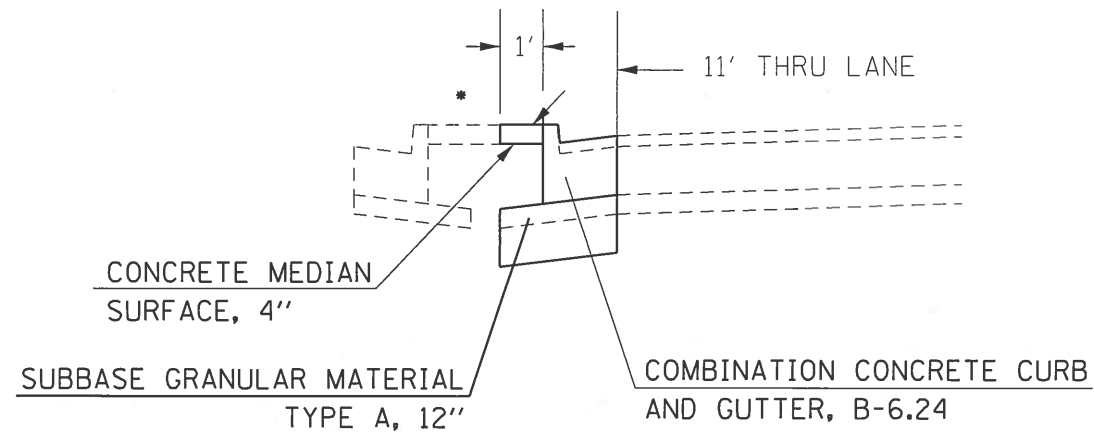
COUNTY:	Jackson
ROUTE:	FAP 331
FUNDING:	100% STATE
LOCATION:	URBAN
	ROADWAY
	004

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
X1700032	CLASS C PATCHES, TYPE II, 11 INCH (SPECIAL)	SQ YD	32
X1700033	CLASS C PATCHES, TYPE IV, 11 INCH (SPECIAL)	SQ YD	32
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	7,847
X6024240	INLETS, SPECIAL	EACH	2
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	148
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	370

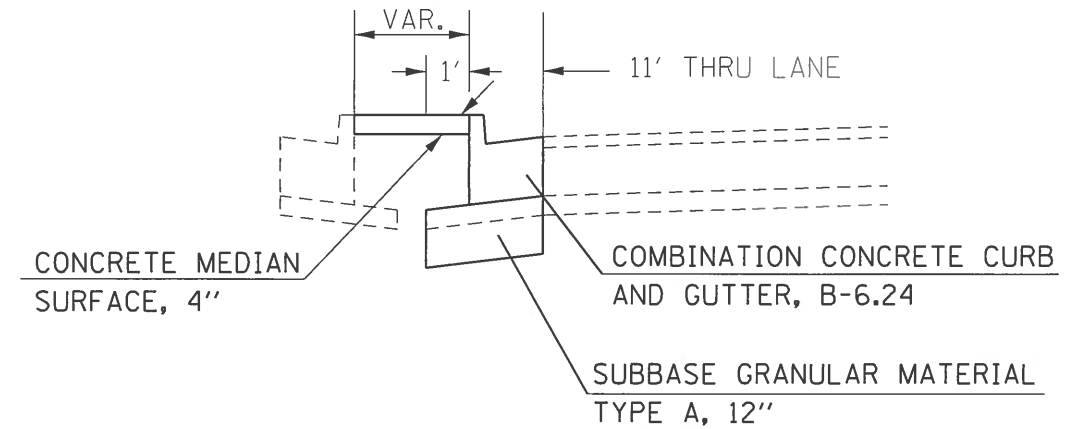
6

\* ADJUST CURB HEIGHT TO MATCH EXISTING CONCRETE MEDIAN SURFACE

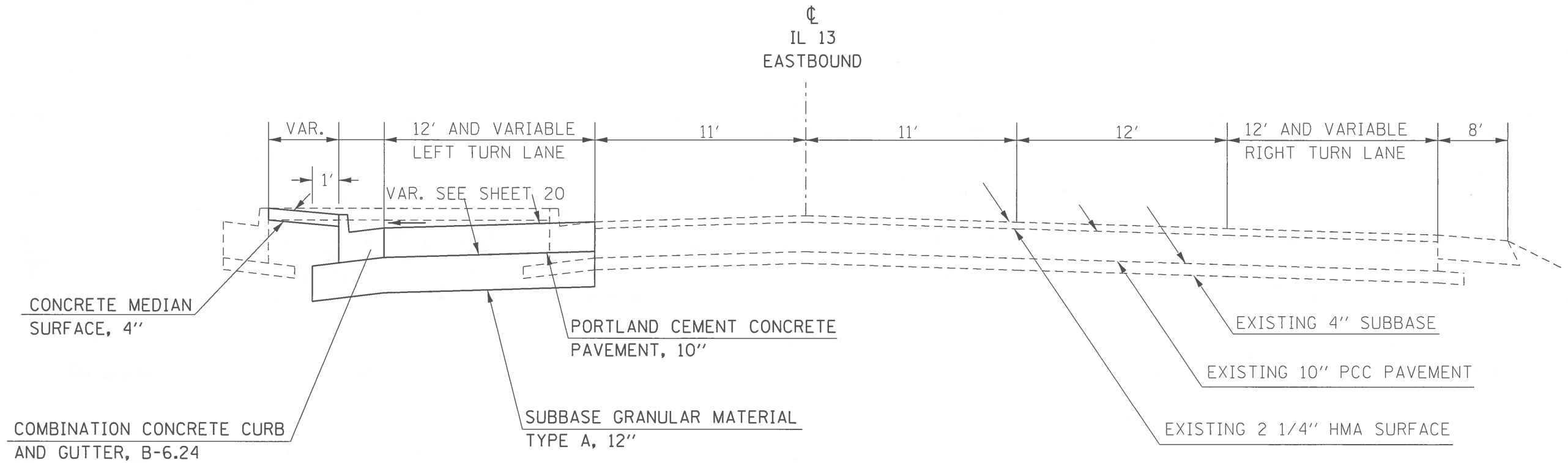
# TYPICAL SECTIONS IL 13



**TO BE USED**  
 EB STA. 192+29.96 TO STA. 193+04.60  
 EB STA. 117+20.23 TO STA. 118+45.33  
 WB STA. 117+22.48 TO STA. 119+93.65



**TO BE USED**  
 EB STA. 193+24.21 TO STA. 195+45.55



**TO BE USED**  
 STA. 198+45.55 TO STA. 198+50.10 BK  
 STA. 110+04.71 AH TO STA. 111+60

FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78564\Drawings\CA\Sheets\78564.tpd.sch.ties.dgn	DRAWN to\CA\Sheets\78564.tpd.sch.ties.dgn	CHECKED -	REVISED -					331	(5-4N-3)	JACKSON	30	7
MODELNAME*	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78564			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/28/2017				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		





## CURB & GUTTER AND MEDIAN SCHEDULE

LOCATION STATION TO STATION				COMBINATION CURB AND GUTTER REMOVAL	CONCRETE MEDIAN SURFACE REMOVAL	SUBBASE GRANULAR MATERIAL TYPE A 12"	COMBINATION CONCRETE CURB AND GUTTER B-6.24	CONCRETE MEDIAN SURFACE 4"	PROTECTIVE COAT	TIE BARS
				FOOT	SQ FT	SQ YD	FOOT	SQ FT	SQ YD	EACH
<b>IL 13</b>										
<b>EB</b>										
STA. 192+29.96	TO	STA. 192+90.82		60.9	60.9	24.2	60.9	60.9	24.2	29
STA. 192+90.82	TO	STA. 193+04.60		20.0	20.0	8.0	20.0	20.0	8.0	9
STA. 193+18.75	TO	STA. 193+24.21		14.0	0.0	5.6	14.0	0.0	4.0	6
STA. 193+24.21	TO	STA. 198+45.55		521.3	2953.9	207.6	521.3	2953.9	477.7	240
STA. 198+45.55	TO	STA. 198+50.10 BK		4.5	552.5	1.8	4.5	552.5	62.7	21
STA. 110+04.71 AH	TO	STA. 114+40.00		435.3	3864.0	173.3	435.3	2932.2	450.6	76
STA. 117+20.23	TO	STA. 118+45.33		125.1	125.1	49.8	125.1	125.1	49.8	61
<b>WB</b>										
STA. 117+22.48	TO	STA. 119+93.65		271.2	271.2	108.0	271.2	271.2	107.9	134
STA. 119+93.65	TO	STA. 120+14.00		20.4		9.2	20.4		5.8	
<b>TOTAL</b>				1473	7847	587	1473	6916	1191	576

## PAVEMENT SCHEDULE

LOCATION STATION TO STATION			PAVEMENT REMOVAL	SUBBASE GRANULAR MATERIAL TYPE A 12"	PORTLAND CEMENT CONCRETE PAVEMENT 10"	PROTECTIVE COAT
			SQ YD	SQ YD	SQ YD	SQ YD
<b>IL 13</b>						
<b>EB</b>						
STA. 198+45.55	TO	STA. 198+50.10 BK		3.0	3.0	3.0
STA. 110+04.71 AH	TO	STA. 111+60.00		103.5	103.5	103.5
STA. 111+60.00	TO	STA. 113+31.40	114.3	228.5	228.5	228.5
STA. 113+31.40	TO	STA. 113+75.00	58.1	58.1	58.1	58.1
<b>TOTAL</b>			172	393	393	393

## PATCHING SCHEDULE

LOCATION STATION TO STATION				PATCH WIDTH FOOT	CLASS C PATCHES SPECIAL TYPE II, 11"	CLASS C PATCHES SPECIAL TYPE IV, 11"	PROTECTIVE COAT SQ YD
					SQ YD	SQ YD	
<b>IL 13</b>							
<b>WB</b>							
STA. 117+71	TO	STA. 117+77		12.0	8.0		8.0
STA. 118+45	TO	STA. 118+51		12.0	8.0		8.0
STA. 118+51	TO	STA. 118+75		3.0	8.0		8.0
STA. 118+75	TO	STA. 118+81		12.0	8.0		8.0
STA. 118+81	TO	STA. 119+77		3.0		32.0	32.0
<b>TOTAL</b>							
				42	32	32	64

## DRAINAGE SCHEDULE

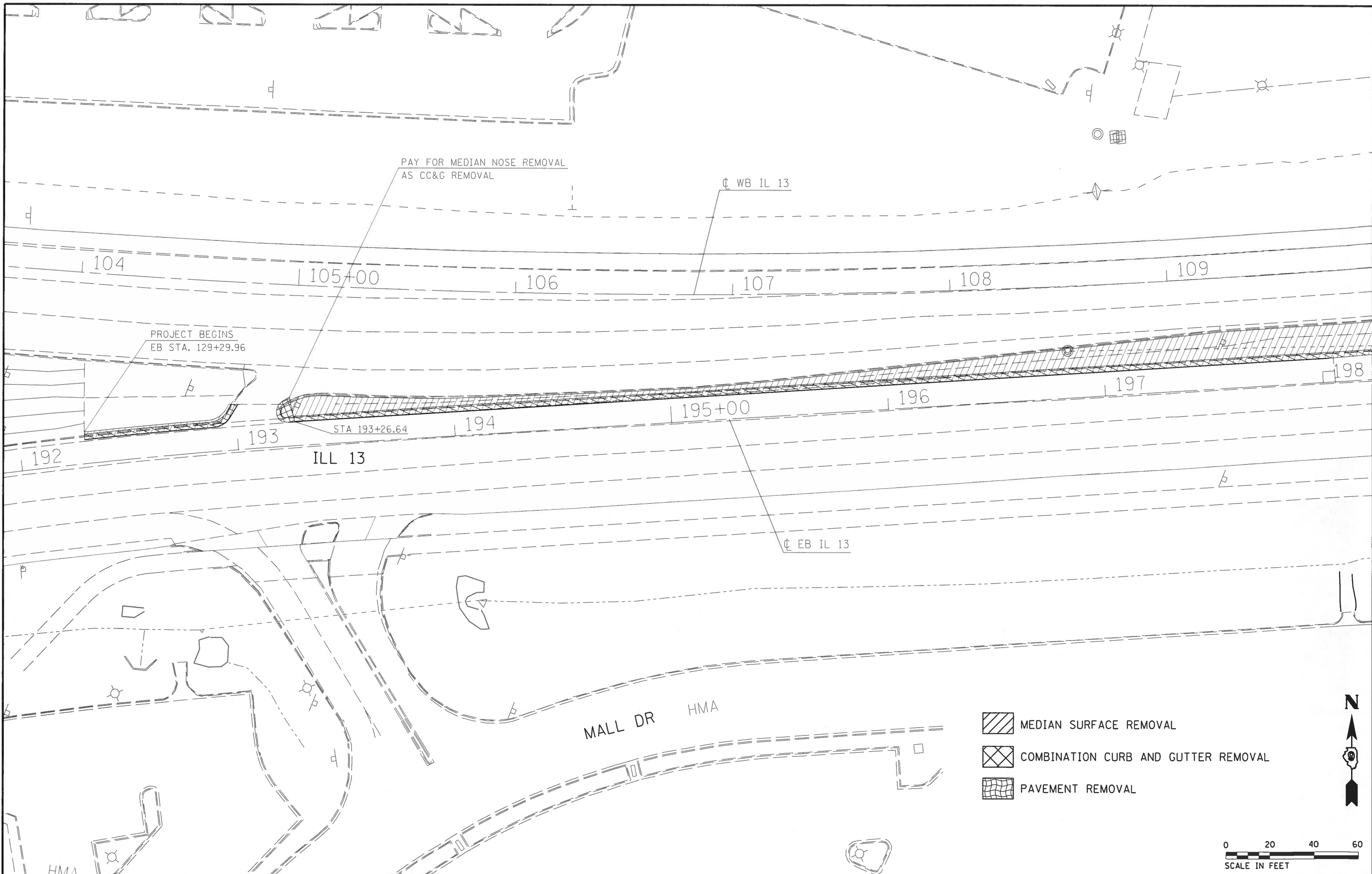
LOCATION STATION TO STATION				REMOVING INLETS	INLET SPECIAL	STORM SEWER CLASS A TYPE 1, 12"	CONCRETE COLLAR	TRENCH BACKFILL
				EACH	EACH	FOOT	CU YD	CU YD
<b>IL 13</b>								
<b>WB</b>								
STA. 111+81				1.0	1.0	15.0	0.44	
STA. 111+81	TO	STA. 112+80				100.0		79
STA. 112+80					1.0			
STA. 113+01				1.0				
<b>TOTAL</b>								
				2	2	115	0.44	79




## PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION				POLYUREA PAVEMENT MARKING- TYPE 1			REMARKS
				LINE 4"		LETTERS & SYMBOLS	
				WHITE SOLID FOOT	YELLOW SOLID FOOT	WHITE SQ FT	
<b>IL 13</b>							
<b>EB</b>							
STA. 198+45.58	TO	STA. 198+50.10	BK		4.5		LEFT EOP
STA. 110+04.71	AH	TO	STA. 111+60.00		155.3		LEFT EOP
STA. 111+60.00	TO	STA. 113+75.00		215.0	215.0	41.2	L EOP, EOL, 2- "ONLY" LT ARROW
<b>WB</b>							
STA. 117+71.00	TO	STA. 119+00.00		129.0			EOL
STA. 117+71.00	TO	STA. 119+77.00			206.0	20.6	LEFT EOP, "ONLY" LT ARROW
SUB-TOTAL				344	581	62	
TOTAL				925		62	







-  MEDIAN SURFACE REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PAVEMENT REMOVAL



FILE NAME =  
 USER NAME = overmyerco  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/20/2017

DESIGNED -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

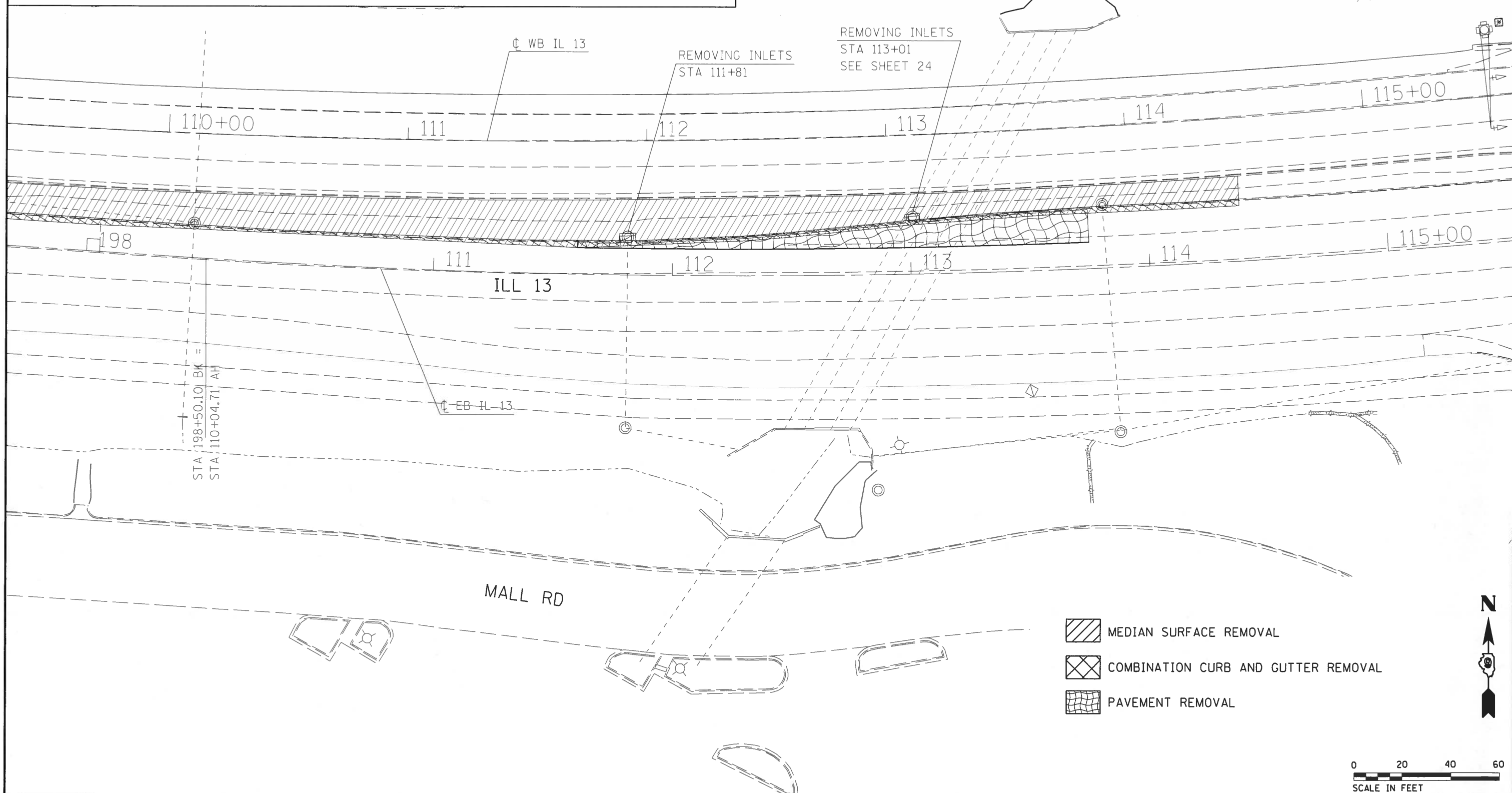
**REMOVAL SHEET**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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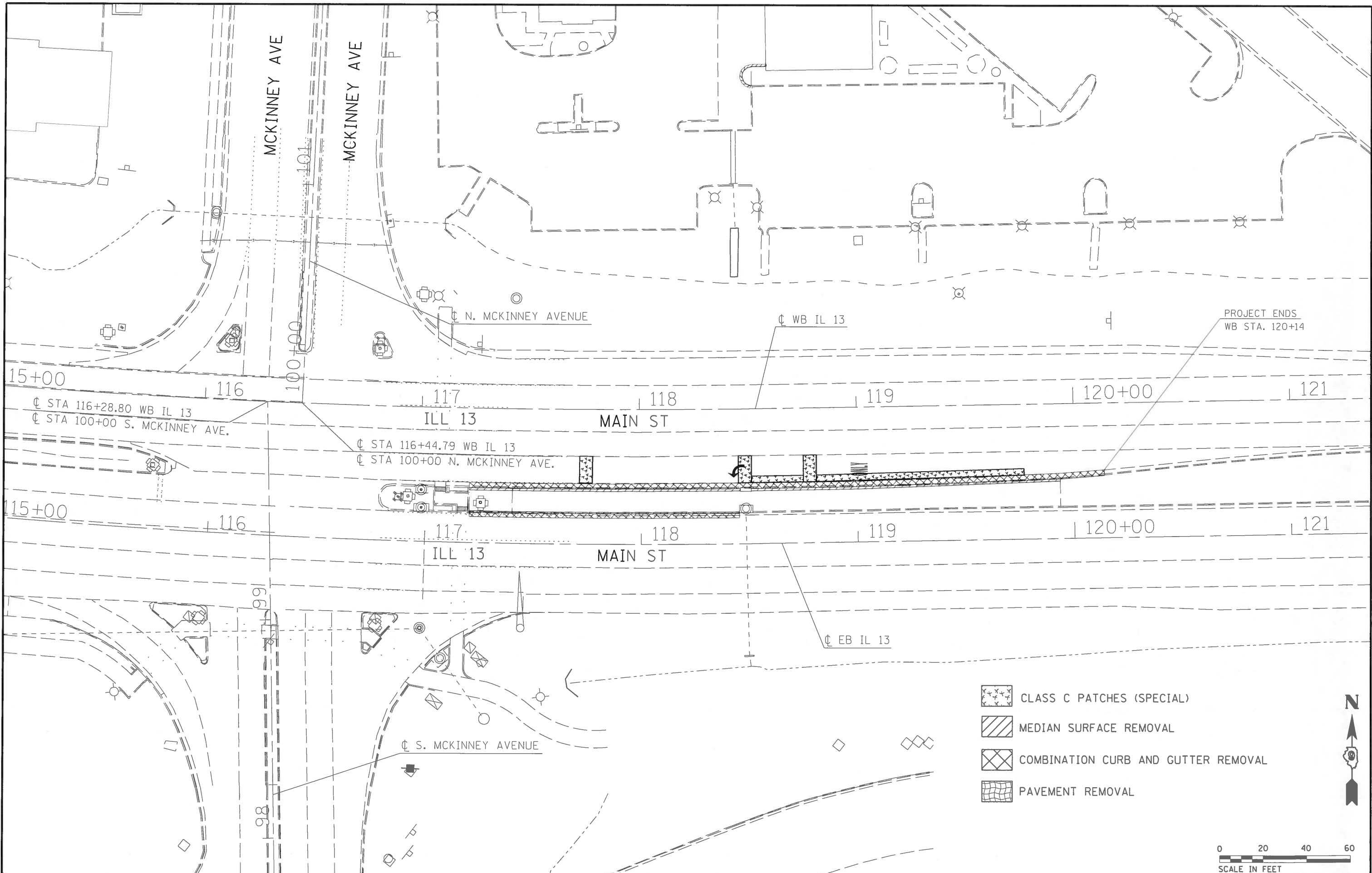
F.A.P. RTE. 331	SECTION (5-4)N-3	COUNTY JACKSON	TOTAL SHEETS 30	SHEET NO. 13
CONTRACT NO. 78564 ILLINOIS FED. AID PROJECT				





**NOTE:**

IF ANY DAMAGE OCCURS TO THE EXISTING BOX CULVERT LOCATED AT STA. 113+00 DURING PAVEMENT, CURB AND GUTTER, OR MEDIAN SURFACE REMOVAL, THE REPAIR SHALL BE AT THE CONTRACTOR'S EXPENSE.



FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 78564						
PLOT DATE = 3/20/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



-  CLASS C PATCHES (SPECIAL)
-  MEDIAN SURFACE REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PAVEMENT REMOVAL



FILE NAME =  
 USER NAME = overmyerco  
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 DATE -  
 PLOT SCALE = 40.0000' / 1" in.  
 PLOT DATE = 3/20/2017

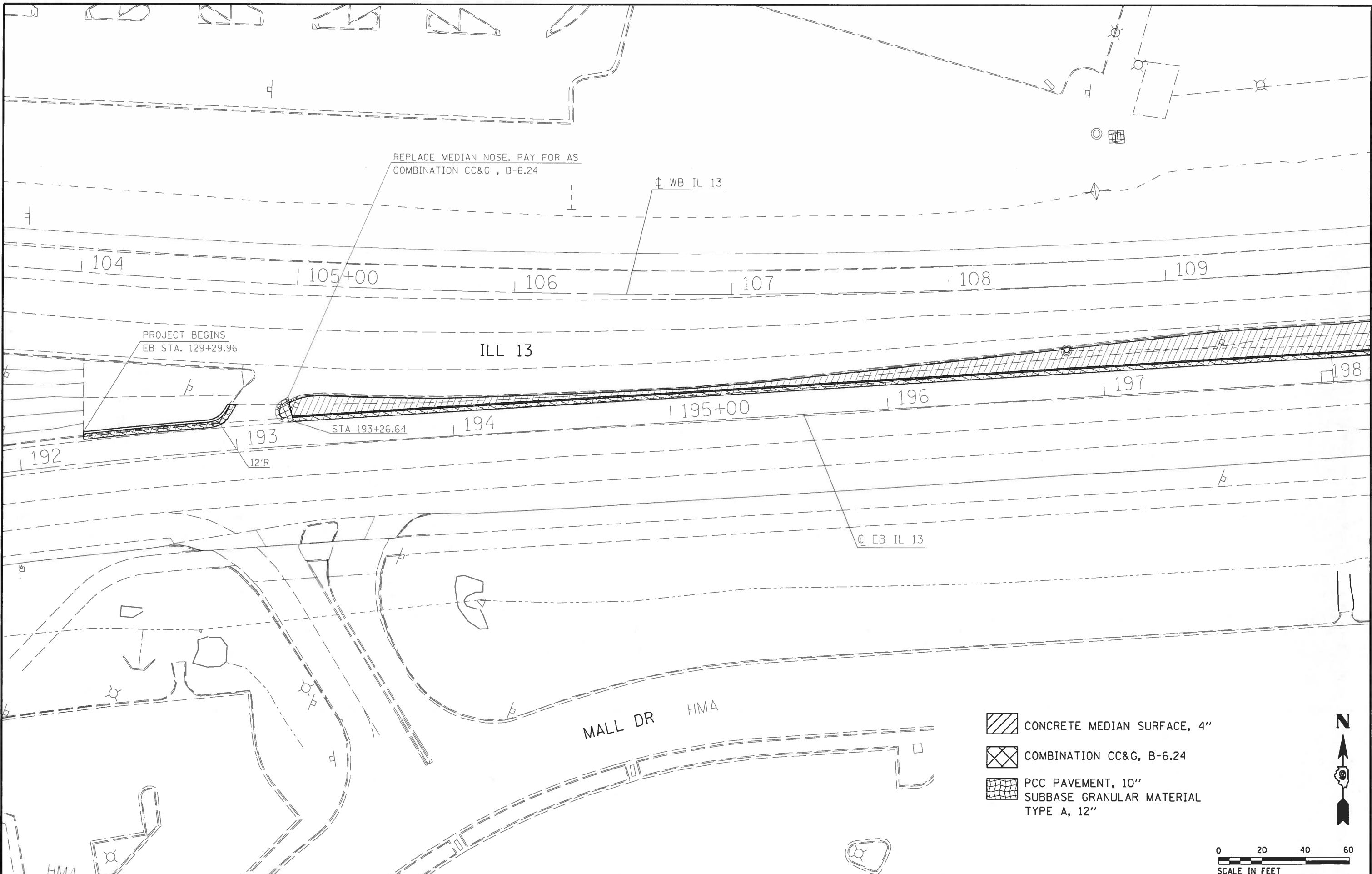
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
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

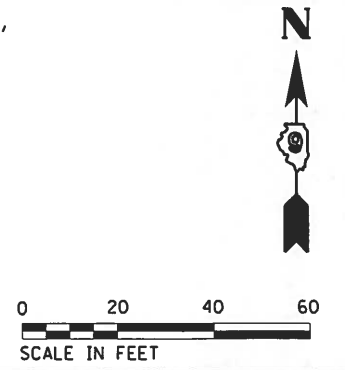
**REMOVAL SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)N-3	JACKSON	30	15
CONTRACT NO. 78564			ILLINOIS FED. AID PROJECT	



-  CONCRETE MEDIAN SURFACE, 4"
-  COMBINATION CC&G, B-6.24
-  PCC PAVEMENT, 10"  
SUBBASE GRANULAR MATERIAL  
TYPE A, 12"



FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISIONS -
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		CHECKED -	REVISIONS -
		DATE -	REVISIONS -
#MODELNAME#	PLOT DATE = 3/28/2017		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

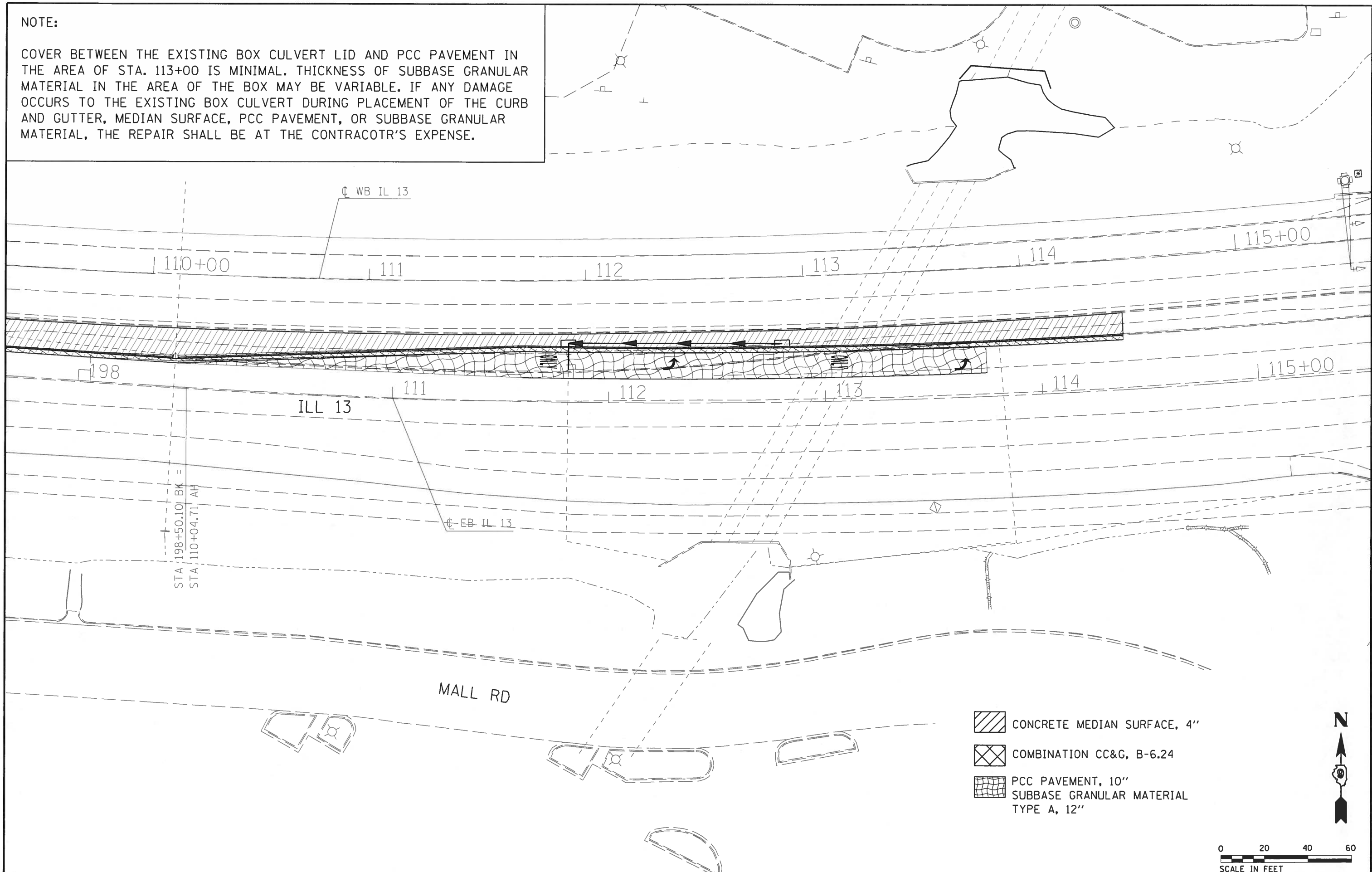
<b>CONSTRUCTION SHEET</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO STA.	




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)-3	JACKSON	30	16
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				



**NOTE:**

COVER BETWEEN THE EXISTING BOX CULVERT LID AND PCC PAVEMENT IN THE AREA OF STA. 113+00 IS MINIMAL. THICKNESS OF SUBBASE GRANULAR MATERIAL IN THE AREA OF THE BOX MAY BE VARIABLE. IF ANY DAMAGE OCCURS TO THE EXISTING BOX CULVERT DURING PLACEMENT OF THE CURB AND GUTTER, MEDIAN SURFACE, PCC PAVEMENT, OR SUBBASE GRANULAR MATERIAL, THE REPAIR SHALL BE AT THE CONTRACTOR'S EXPENSE.



-  CONCRETE MEDIAN SURFACE, 4"
-  COMBINATION CC&G, B-6.24
-  PCC PAVEMENT, 10"  
SUBBASE GRANULAR MATERIAL  
TYPE A, 12"



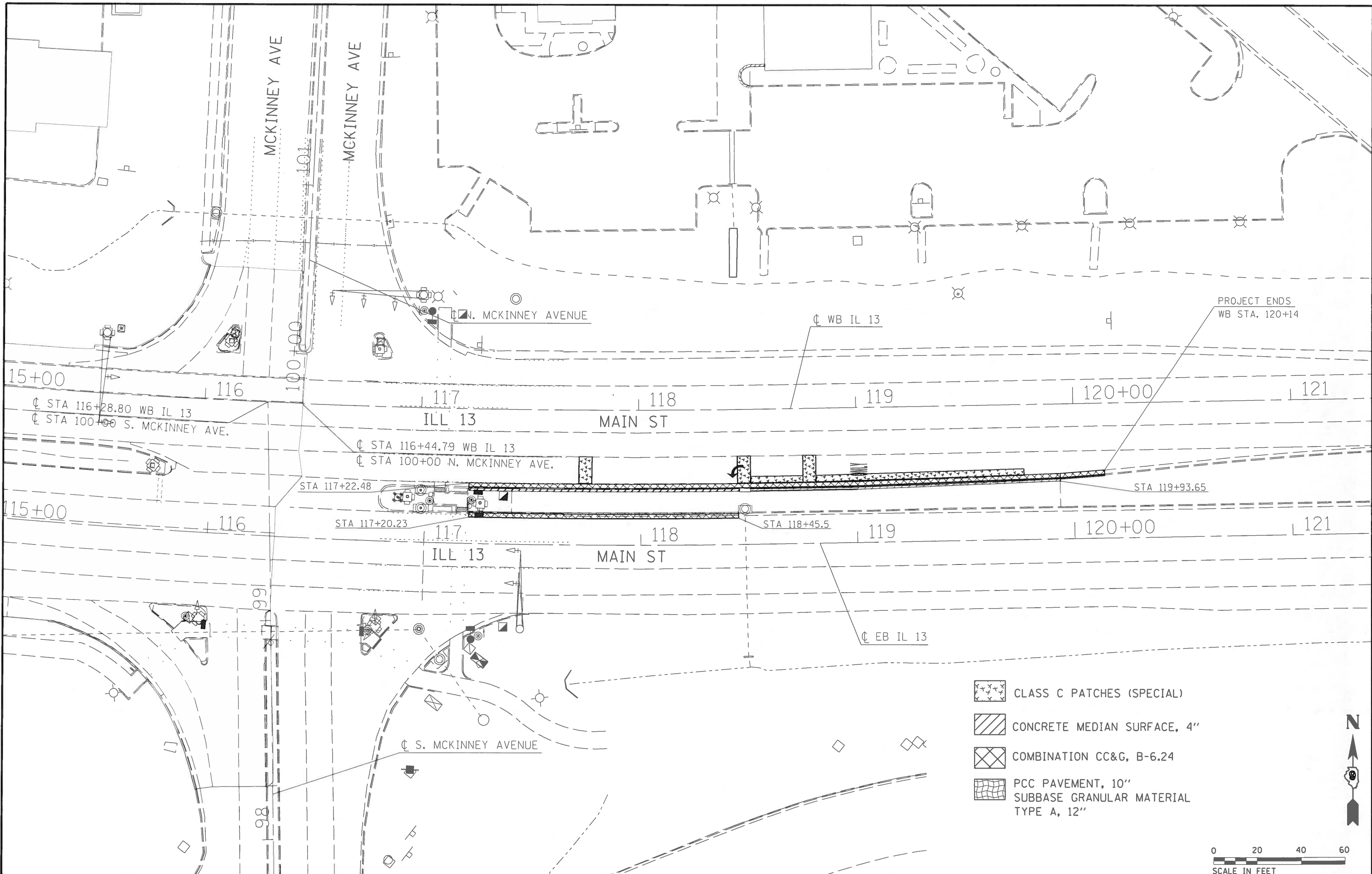
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#MODELNAME\$	PLOT DATE = 3/20/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)N-3	JACKSON	30	17
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				



- CLASS C PATCHES (SPECIAL)
- CONCRETE MEDIAN SURFACE, 4"
- COMBINATION CC&G, B-6.24
- PCC PAVEMENT, 10"  
SUBBASE GRANULAR MATERIAL TYPE A, 12"



FILE NAME =  
 USER NAME = overmyerca  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 PLOT DATE = 3/28/2017

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

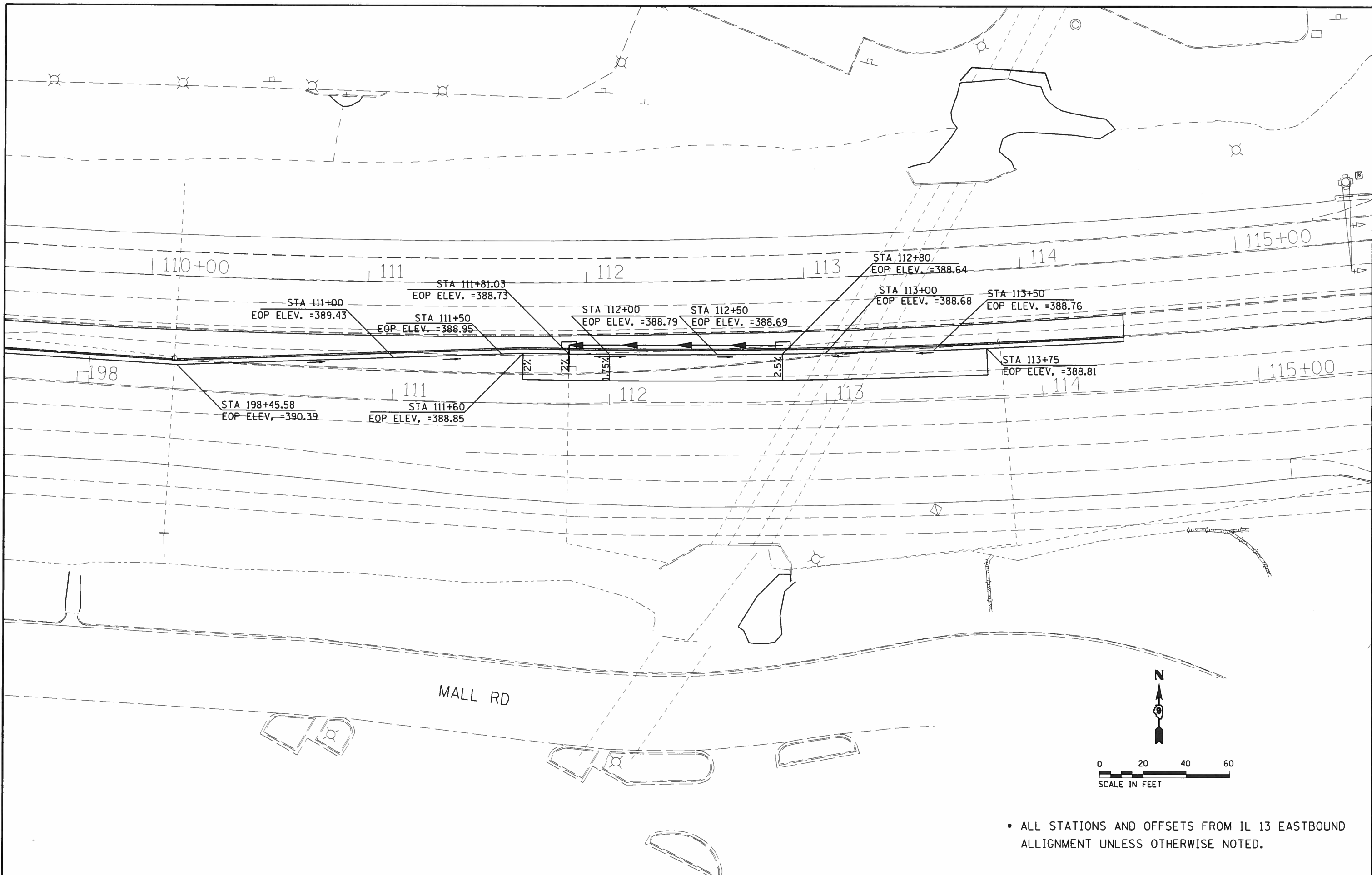
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

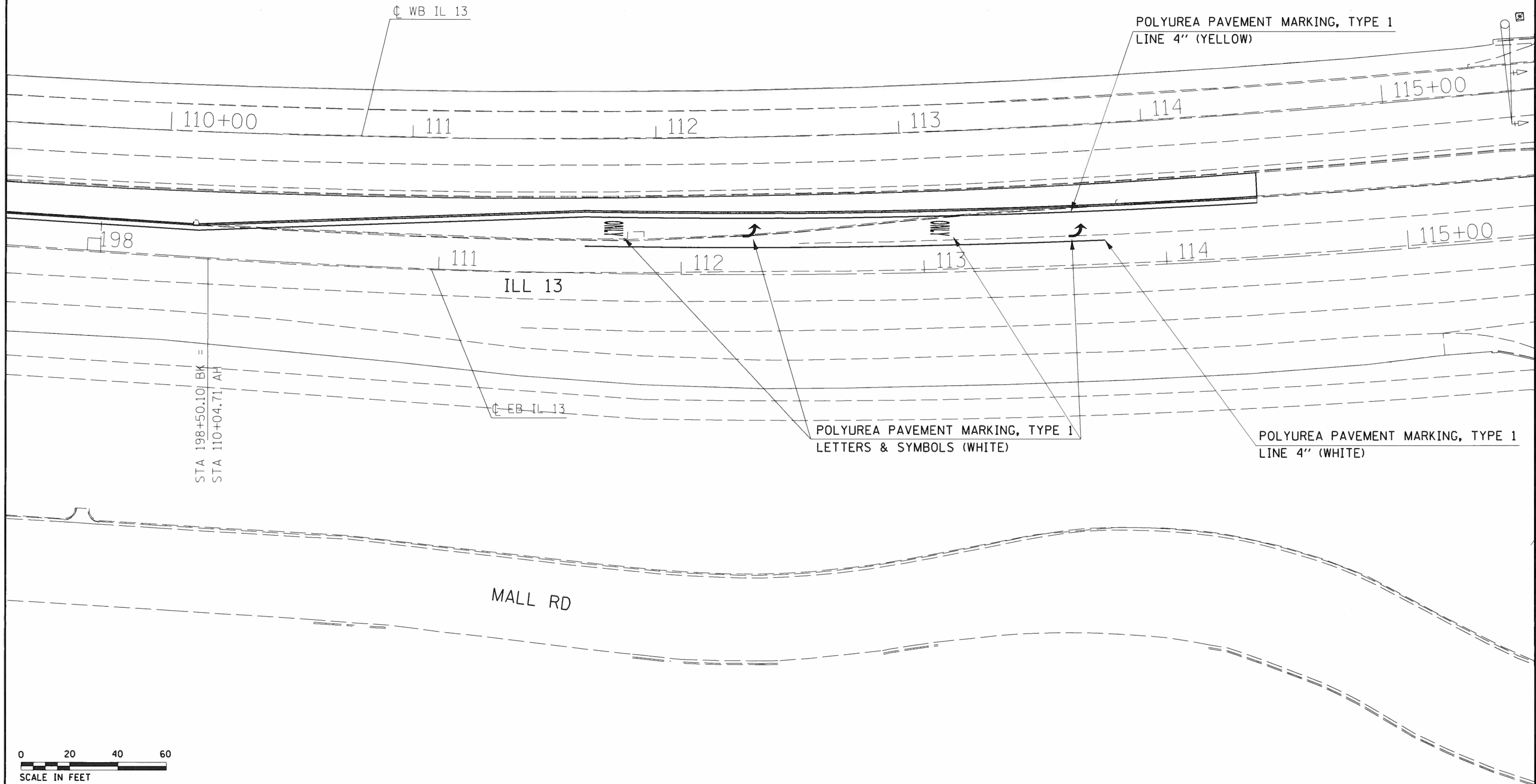
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)N-3	JACKSON	30	18
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				





• ALL STATIONS AND OFFSETS FROM IL 13 EASTBOUND ALIGNMENT UNLESS OTHERWISE NOTED.

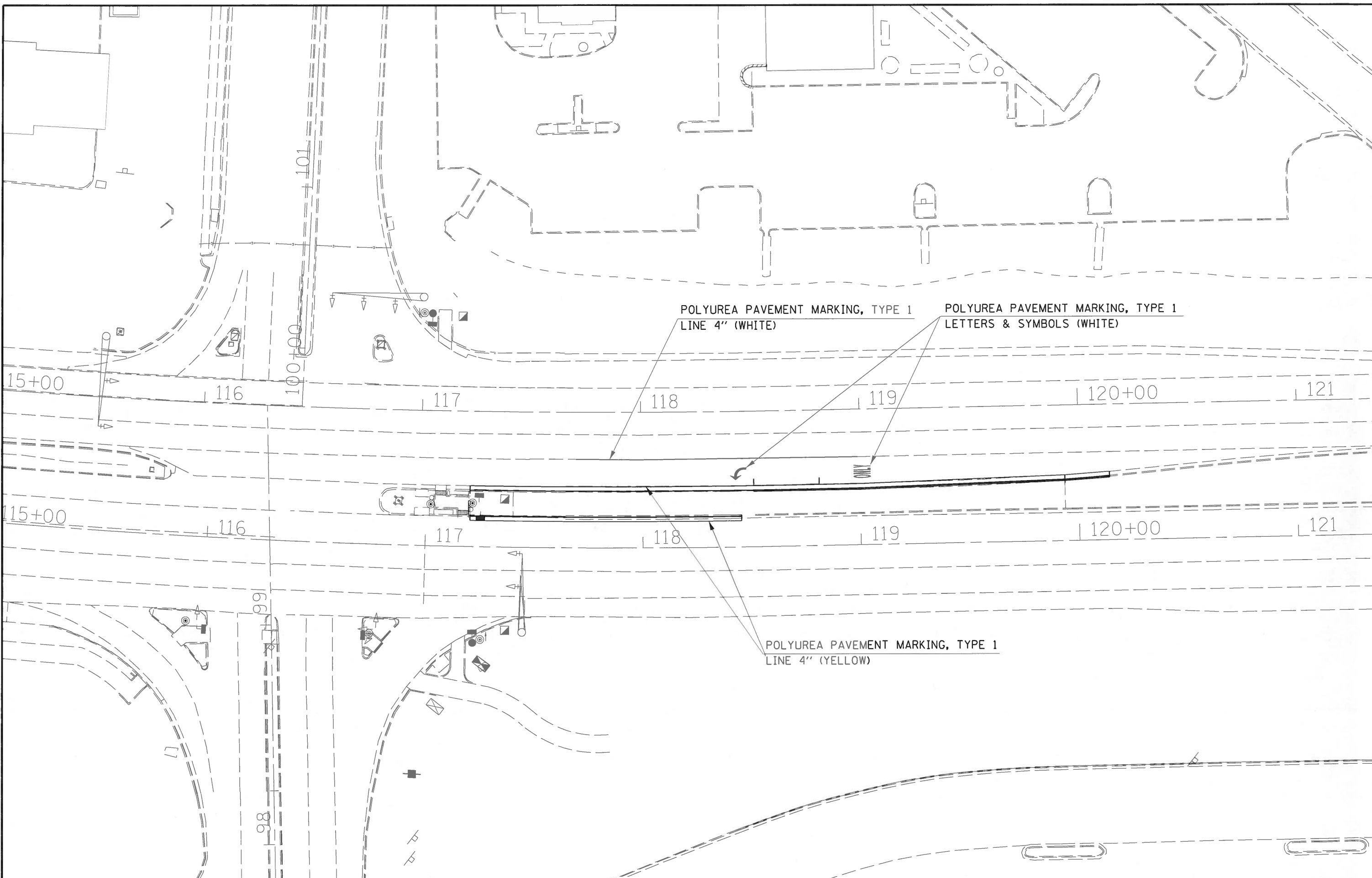
FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED EDGE OF PAVEMENT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78564\Drawings\CAD\Sheets\78564_shtg\roadway	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					331	(5-4N-3)	JACKSON	30	20
MODEL NAME =	PLOT DATE = 3/20/2017	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78564		ILLINOIS FED. AID PROJECT		



STA 198+50.10 BK =  
STA 110+04.71 AH



FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pk:\IL084EBIDINTEG\illinois.gov\PI00T\Documents\DOT Offices\District 9\Projects\78564\Drawings\CABsheets\78564_shtg-roadwayd	DRAWN BY =	CHECKED -	REVISED -					331	(5-4)N-3	JACKSON	30	21
MODEL NAME =	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78564			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/7/2017				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		



FILE NAME =  
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USER NAME = overmyerca  
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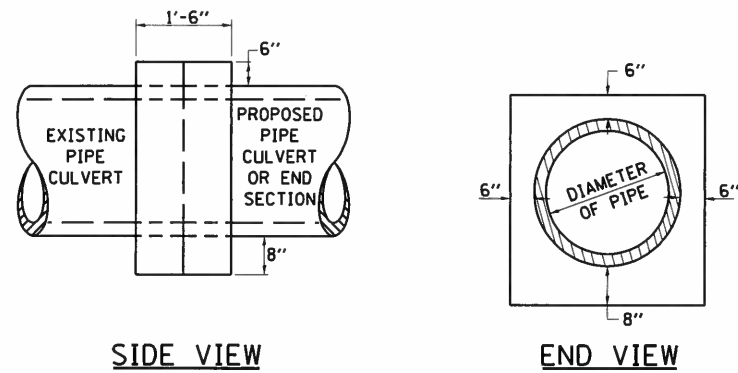
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4N-3)	JACKSON	30	22
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				

## CONCRETE COLLAR PIPE TO PIPE



**TABULATION**

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

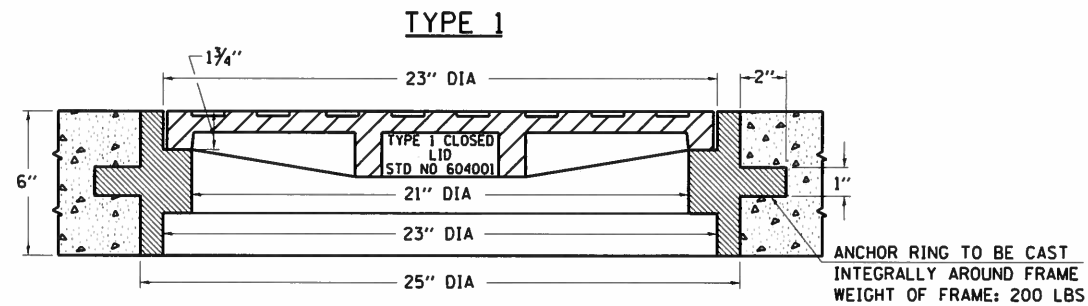
THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS

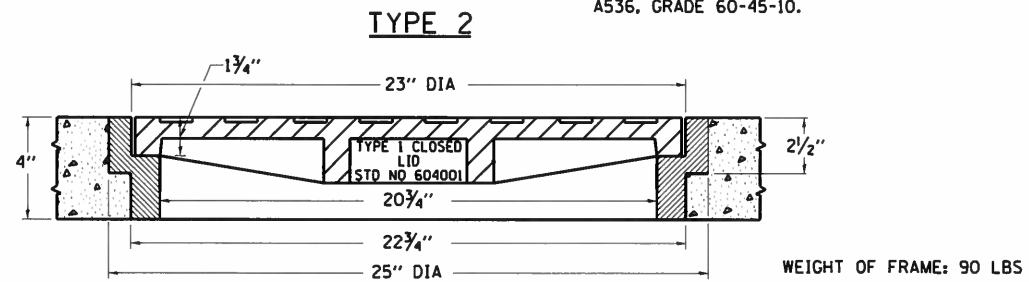
DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	5-17-13

STD. 9-79

## DETAILS OF CAST IRON FRAMES SPECIAL TYPE 1 & TYPE 2 WITH TYPE 1 CLOSED LID



THE FRAMES MAY BE MADE OF EITHER GRAY IRON CONFORMING TO THE STANDARD SPECIFICATIONS OR DUCTILE IRON CONFORMING TO THE SPECIFICATIONS FOR DUCTILE IRON CASTING, A.S.T.M. DESIGNATION: A536, GRADE 60-45-10.

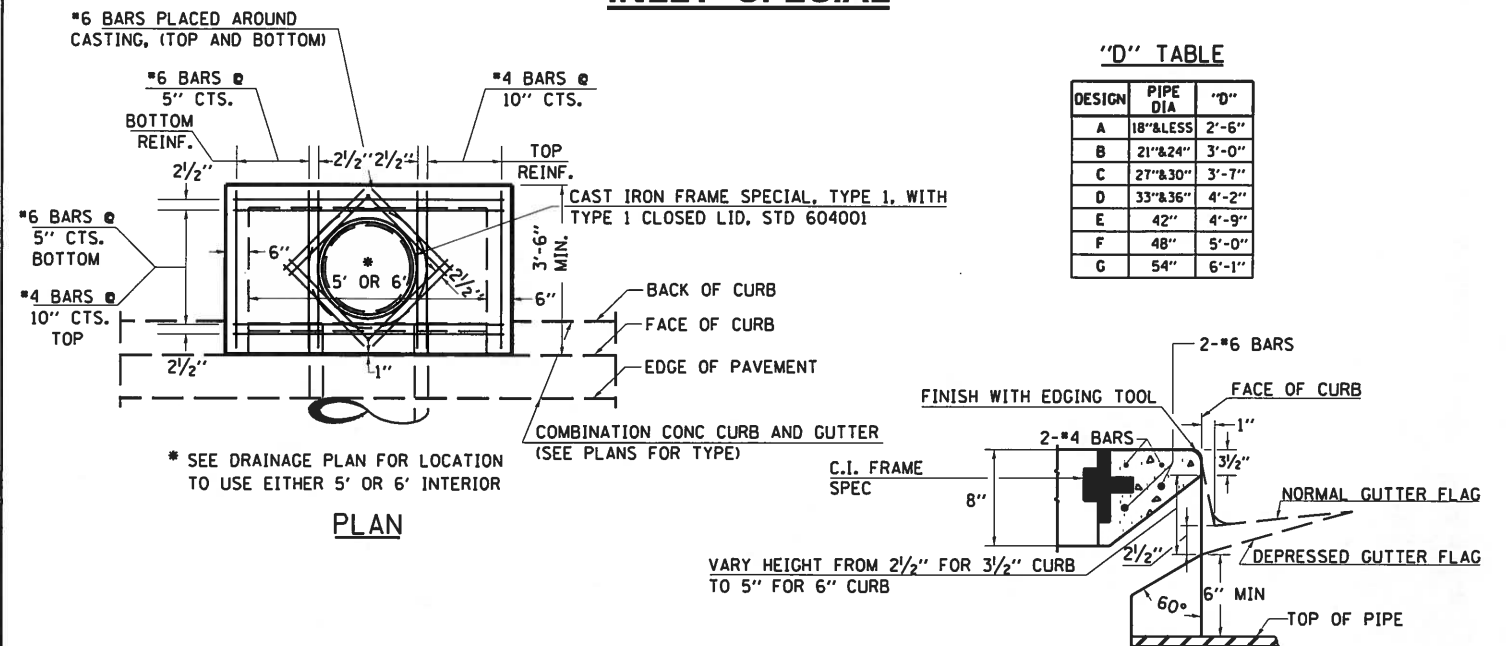


REVISIONS

REDESIGNED	2-15-89
REVISED	12-14-01
REVISED	3-26-08
REVISED	

STD. 9-18

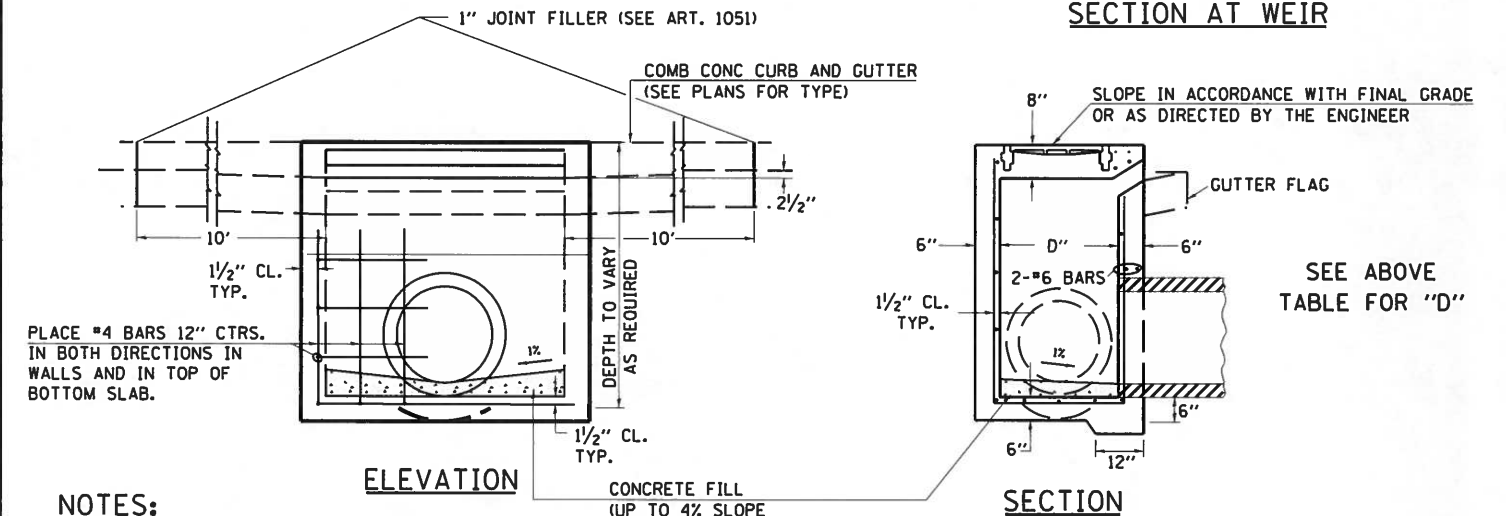
## INLET SPECIAL



**"D" TABLE**

DESIGN	PIPE DIA	"D"
A	18" & LESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

**SECTION AT WEIR**



**NOTES:**

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

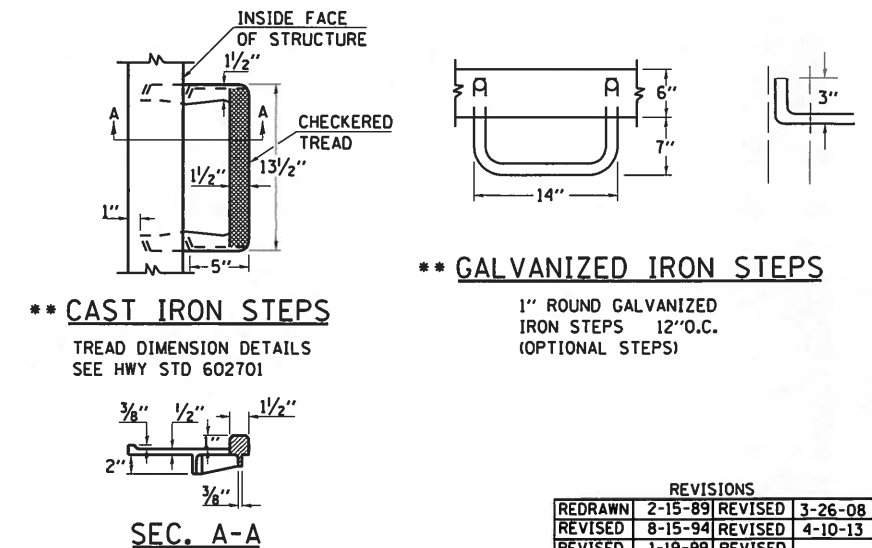
GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR **INLET, SPECIAL**, WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT STANDARD SPECIFICATIONS SECTIONS 602 AND 1042.

\*\*STEPS WILL BE REQUIRED AT 12" SPACING WHEN INLET IS OVER 4' DEEP. SEE ARTICLE 602.08 OF THE STANDARD SPECS AND DETAILS

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

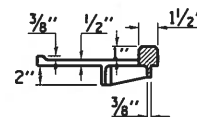


**\*\* GALVANIZED IRON STEPS**

1" ROUND GALVANIZED IRON STEPS 12" O.C. (OPTIONAL STEPS)

**\*\* CAST IRON STEPS**

TREAD DIMENSION DETAILS SEE HWY STD 602701



**SEC. A-A**

REVISIONS

REDESIGNED	2-15-89	REVISED	3-26-08
REVISED	8-15-94	REVISED	4-10-13
REVISED	1-19-99	REVISED	
REVISED	5-6-04	REVISED	

STD. 9-1

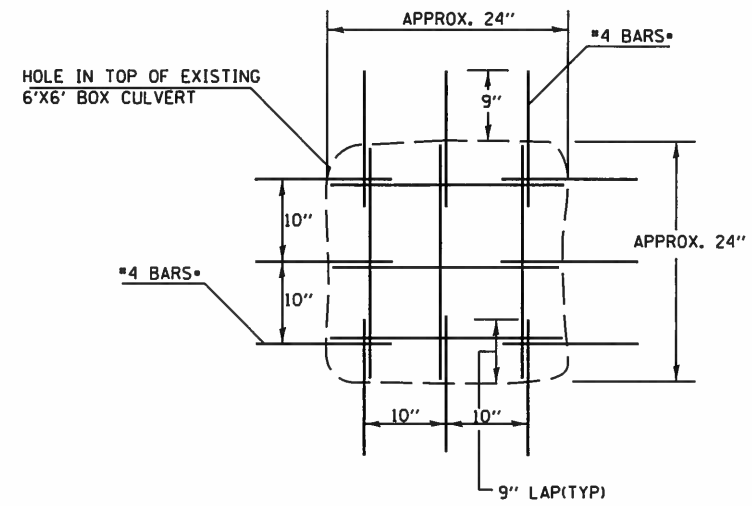
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pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\785		DRAWN - CAB:sheets\sh-t-details.dgn	REVISED -
	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
*MODELNAME*	PLOT DATE = 3/7/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS: INLET SPECIAL, NO 1  
CAST IRON FRAMES SPECIAL, CONCRETE COLLAR**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)-3	JACKSON	30	23
				CONTRACT NO. 78564
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

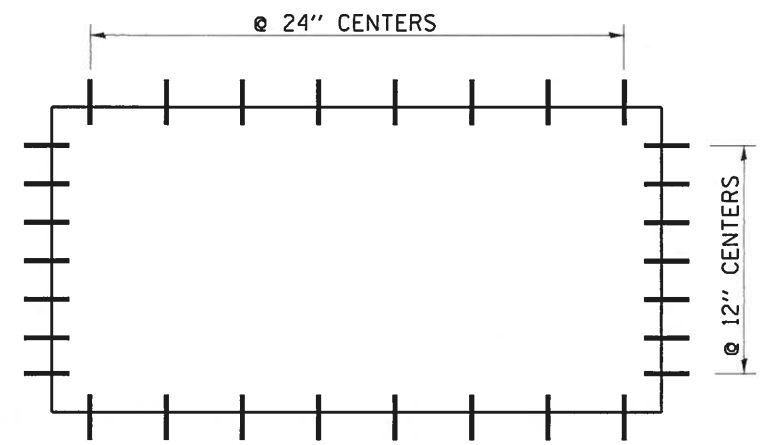


REMOVING INLET AT STATION 113+01

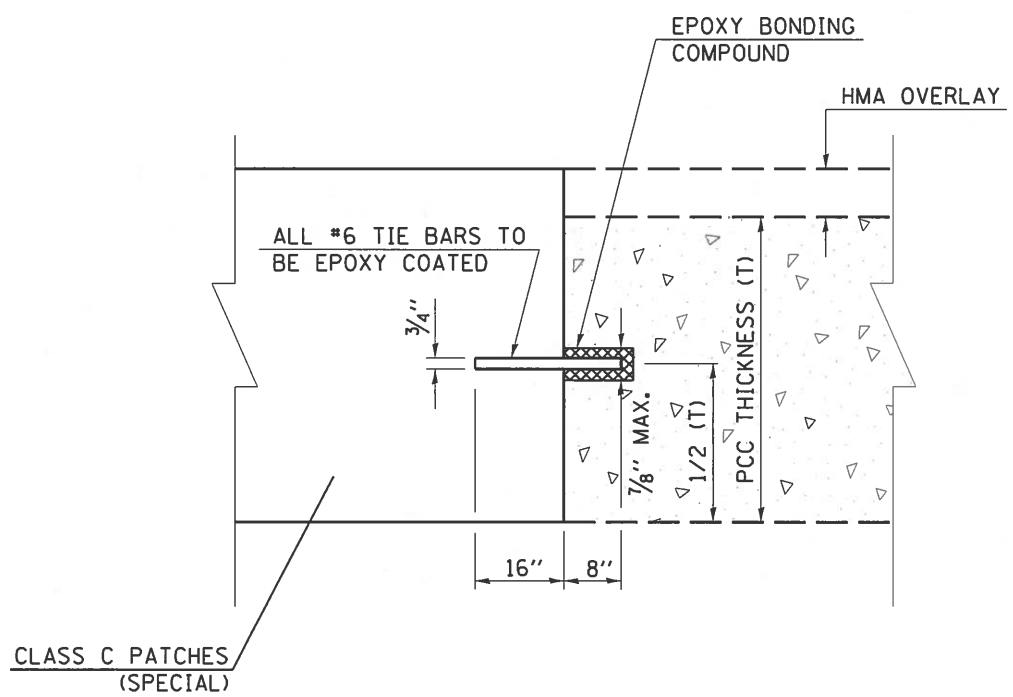
BILL OF MATERIALS (FOR INFORMATION ONLY)				
NO.	SIZE	LENGTH		
9	#4	1'-6"		
6	#4	2'-0"		
REINFORCEMENT BARS			POUND	12
CONCRETE BOX CULVERTS			CU YD	0.1

THICKNESS OF PROPOSED CONCRETE BOX CULVERT SHOULD MATCH EXISTING BOX CULVERT.  
 CLEAN AND INCORPORATE EXISTING EXPOSED REBAR INTO THE PROPOSED CONCRETE BOX CULVERTS.  
 ALL REINFORCEMENT BARS TO BE INCLUDED IN THE COST OF CONCRETE BOX CULVERTS  
 \*DRILL AND EPOXY GROUT 9" MIN INTO EXISTING TOP SLAB ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS. COST INCLUDED WITH CONCRETE BOX CULVERTS.

**CLASS C PATCHES (SPECIAL)**



**TIE BAR PLAN**  
 (IF PAVED SHOULDER TIE BAR NOT USED)



CLASS C PATCHES (SPECIAL)

FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -
pr:\IL084EBIDINTEG.illinois.gov\PW\DOT\Documents\100T Offices\District 9\Projects\78564\Drawings\CAD\Sheets\78564-shs-details.dwg		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
#MODELNAME*	PLOT DATE = 3/20/2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETAILS: REMOVING INLET  
 CLASS C PATCHES (SPECIAL)

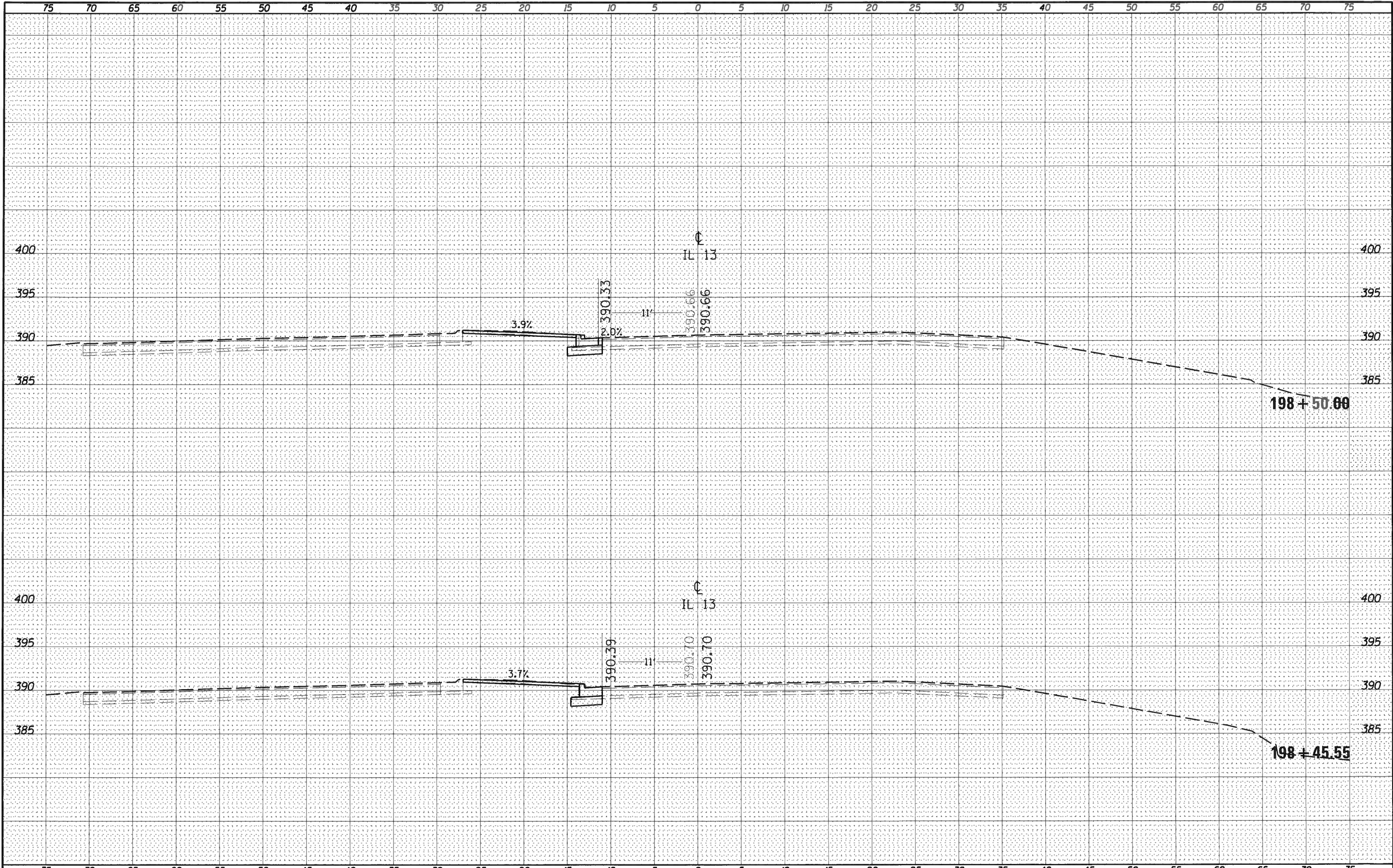
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	15-4IN-3	JACKSON	30	24
CONTRACT NO. 78564			ILLINOIS FED. AID PROJECT	



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

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



FILE NAME =  
 USER NAME = overmyer  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 3/20/2017

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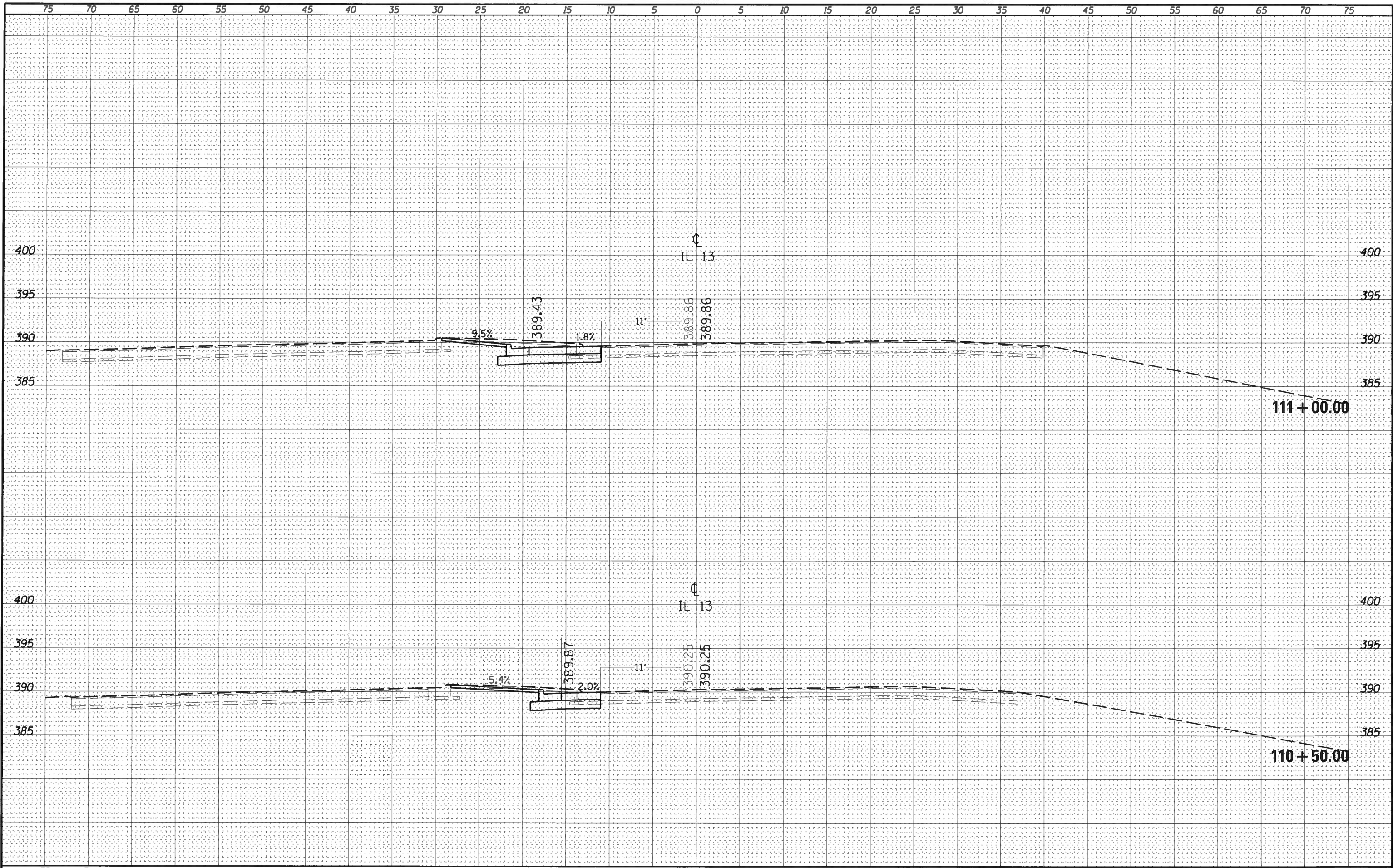
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS IL 13  
 SCALE: SHEET OF SHEETS STA. 198+45.55 TO STA. 198+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4N-3)	JACKSON	30	25
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				

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

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

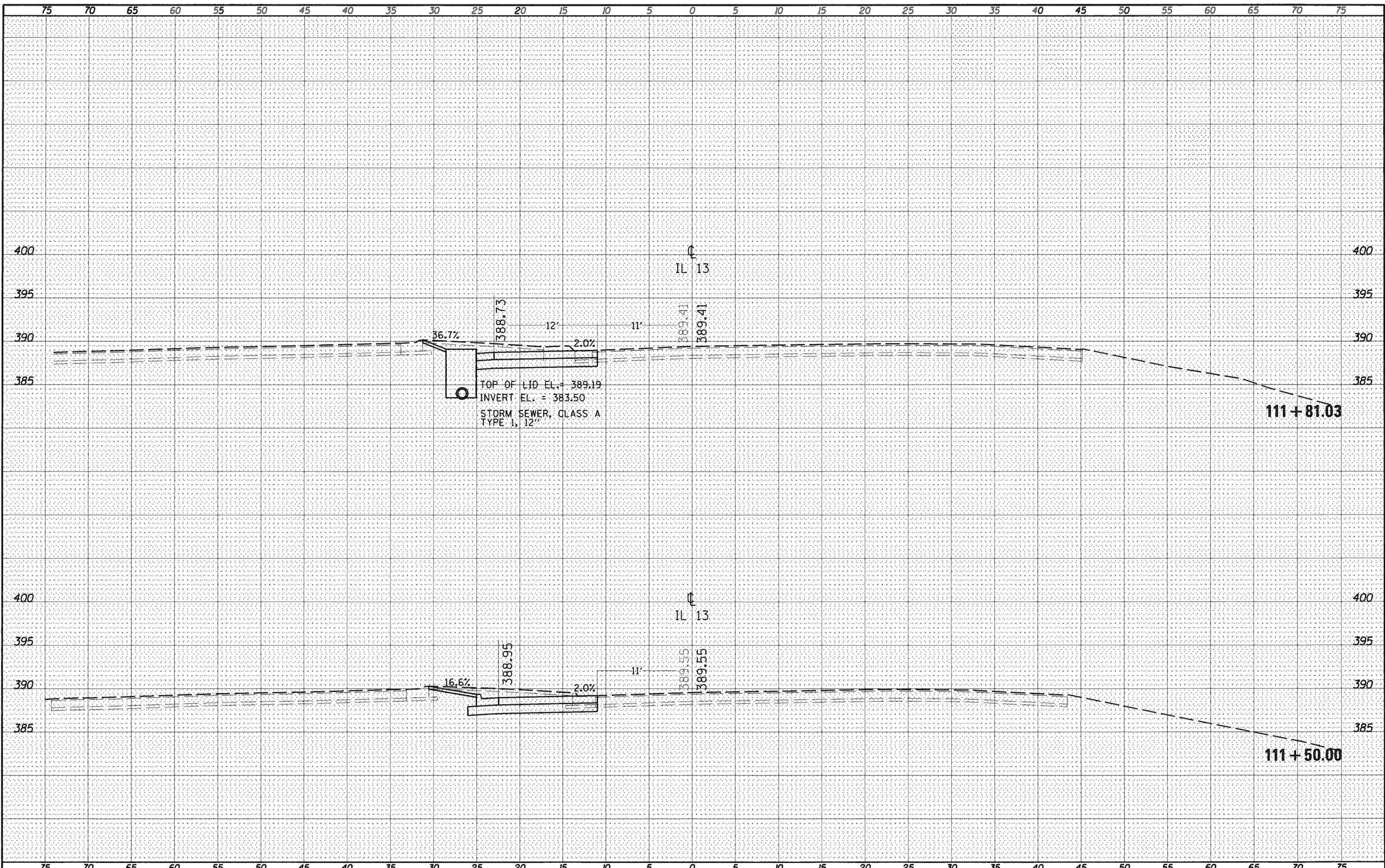


FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS IL 13</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78564\CAD\DRAWN\heeta\78564_xsections.dgn	DRAWN	REVISED -	REVISED -					331	(5-4IN-3)	JACKSON	30	26
PLOT SCALE = 10.0000 "/in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 78564							
#MODELNAME*	DATE -	REVISED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 110+50.00	TO STA. 111+00.00	ILLINOIS FED. AID PROJECT	



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

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



FILE NAME =  
 USER NAME = overmyerca  
 PLDT SCALE = 10.0000 ' / in.  
 PLDT DATE = 3/20/2017

DESIGNED -  
 CHECKED -  
 DATE -

REVISED -  
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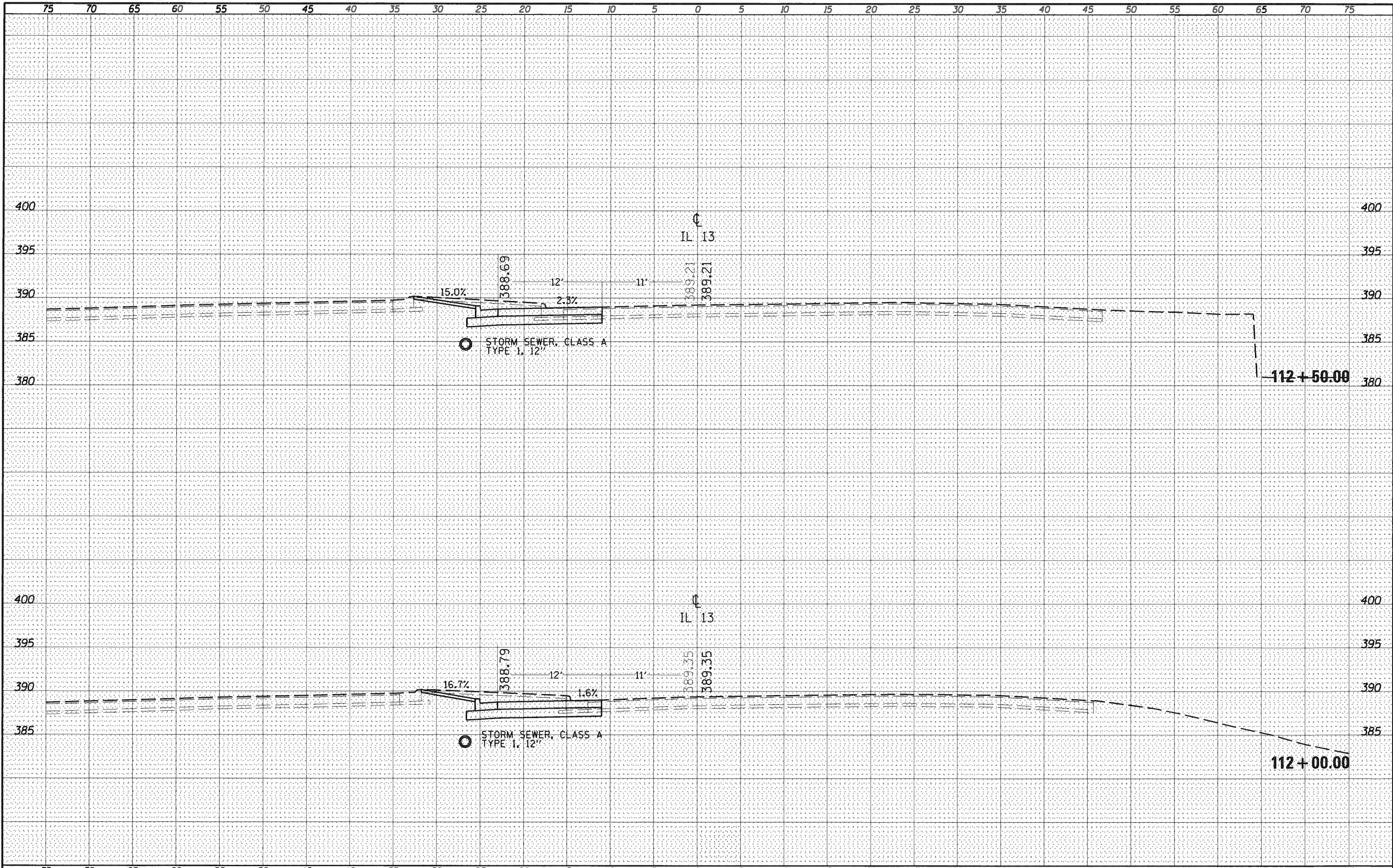
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS IL 13  
 SCALE: SHEET OF SHEETS STA. 111+50.00 TO STA. 111+81.03

F.A.P. RTE. 331	SECTION (5-4)N-3	COUNTY JACKSON	TOTAL SHEETS 30	SHEET NO. 27
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

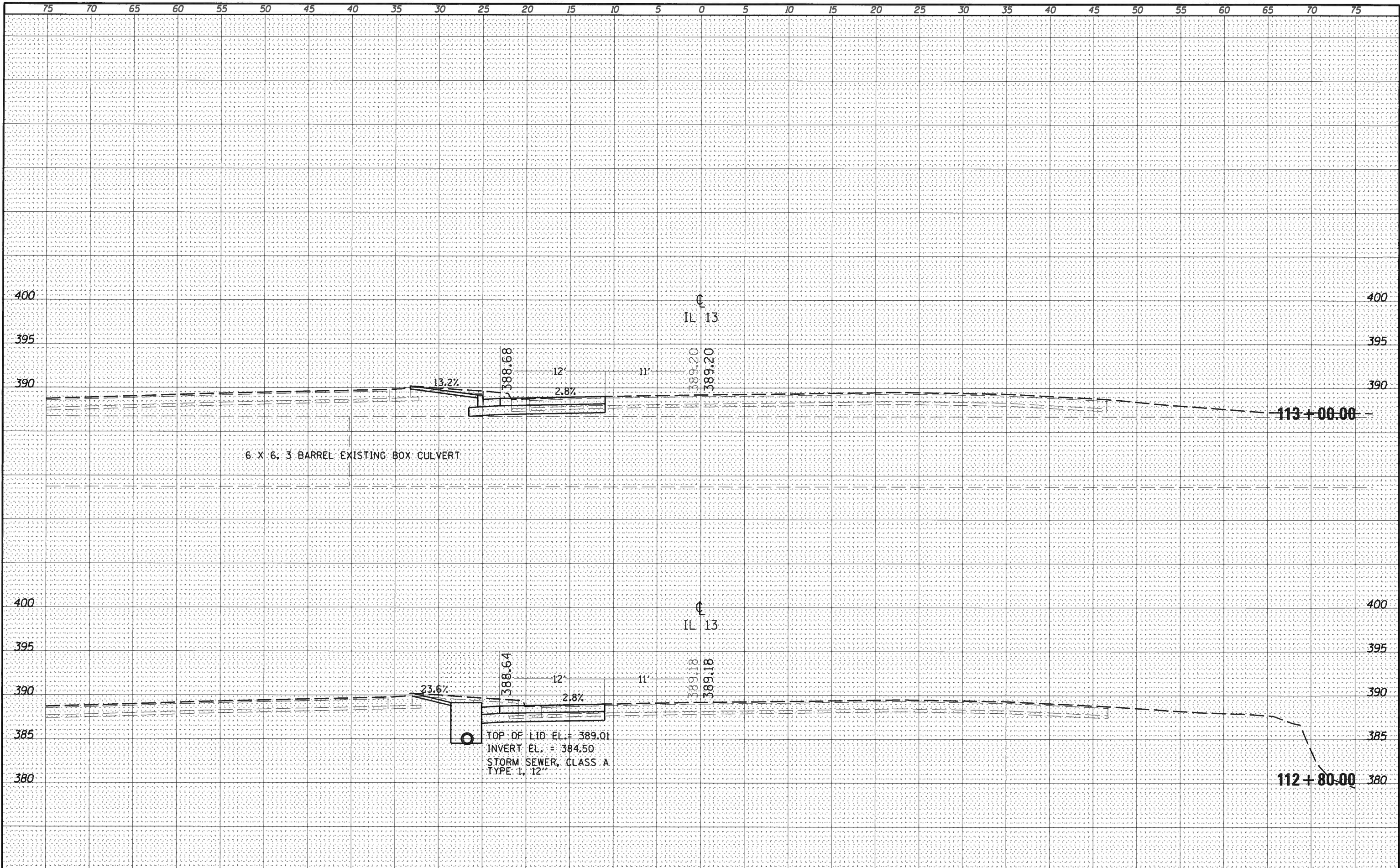


FILE NAME =	USER NAME = overmyerca	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS IL 13</b>			F.A.P. RTE. 331	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT =	PROJECT =	DRAWN =	REVISED =						(5-4)N-3	JACKSON	30	28
PLOT SCALE = 10.0000' / 1" =		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 112+00.00 TO STA. 112+50.00			CONTRACT NO. 78564				
PLOT DATE = 3/20/2017		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



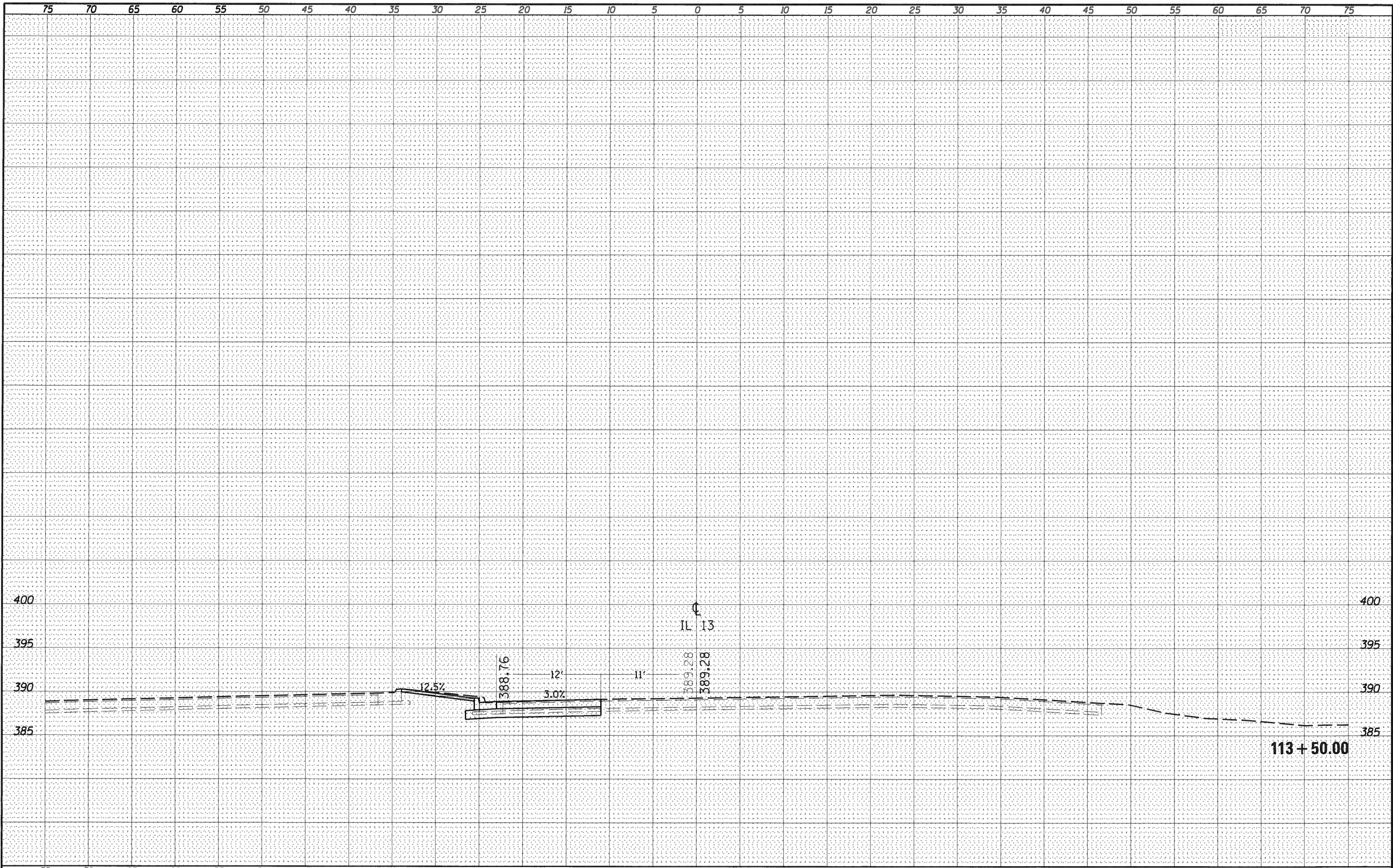
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



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

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLotted	
NOTE BOOK	
AREAS CHECKED	
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 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 3/20/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS IL 13**

SCALE: SHEET OF SHEETS STA. 113+50.00 TO STA. 113+50.00

F.A.P. RTE. 331	SECTION 15-4IN-3	COUNTY JACKSON	TOTAL SHEETS 30	SHEET NO. 30
CONTRACT NO. 78564				
ILLINOIS FED. AID PROJECT				