

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)
SECTION (12-1)I-6,B-2

SHARED-USE PATH
JACKSON COUNTY

C-99-047-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	1
		ILLINOIS	CONTRACT NO. 78375	

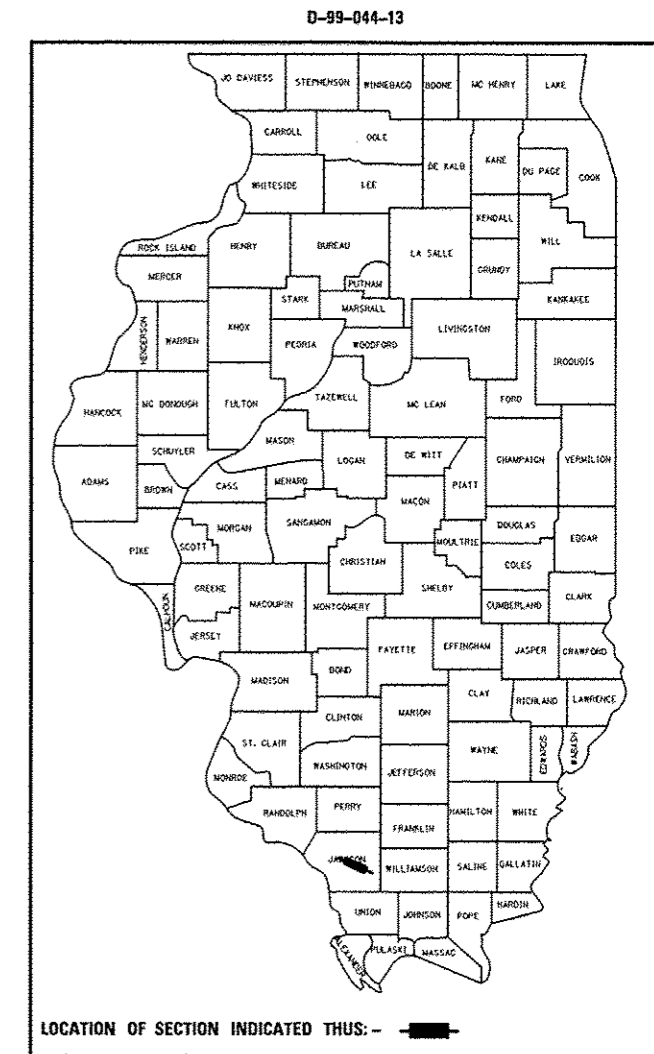
FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-7

TRAFFIC DATA

LOCATION	ADT	% TRUCKS
IL 13 ADJACENT TO PATH LOCATION	25,300	7.4%

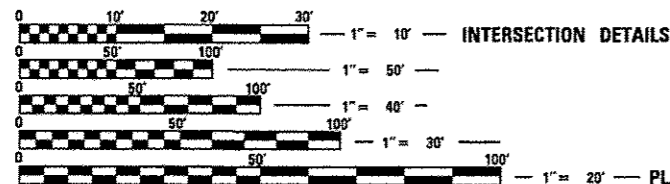
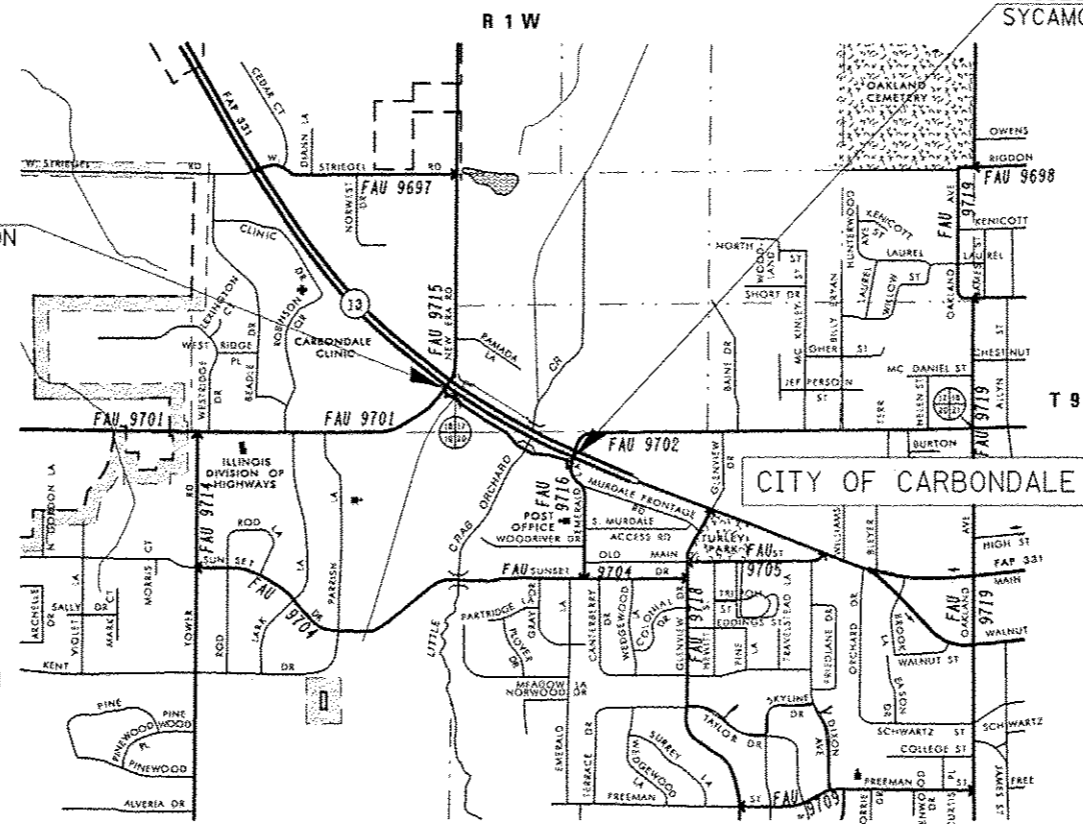
TOWNSHIPS

CARBONDALE



PROJECT ENDS - IL 13/
NEW ERA RD INTERSECTION

PROJECT BEGINS - IL 13/
SYCAMORE RD INTERSECTION



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

PROJECT ENGINEER - SUSAN POE
PROJECT DESIGNER - HOWARD THOMAS

CONTRACT NO. 78375

PATH LENGTH = 1,339.23 FT. = 0.254 MILE
BRIDGE LENGTH = 100.25 FT. = 0.019 MILE
SIDEWALK LENGTH = 684.04 FT. = 0.129 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 27 20 15

Jeffrey A. Kern
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

John D. Baranzelli PE, ICA
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 8 20 15

Omer Osman PE, ICA
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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Examined By:

Keith Miley
DISTRICT OPERATIONS ENGINEER

Examined By:

KRQ
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Examined By:

DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * thomashf	DESIGNED - _____	REVISED - _____
ct:\pw_work\pwt\det\thomashf\d0349233\78395-shite-ovr-soq-index.dgn		DRAWN - _____	REVISED - _____
#MODELNAME#	PLOT SCALE = 100.0000' / 1in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 3/27/2015	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON		
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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3	INDEX OF SHEETS, LISTING OF HIGHWAY STANDARDS
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69	DETAILS: INLET TO BE RECONSTRUCTED
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71	DETAILS: BOLLARDS
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102 - 130	SIDEWALK, CORNER, AND MEDIAN CROSS SECTIONS HIGHWAY STANDARDS

HIGHWAY 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
420401-11	BRIDGE APPROACH PAVEMENT CONNECTOR
420701-02	PAVEMENT FABRIC
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
483001-04	PCC SHOULDER
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET - TYPE A
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604021-03	BASE, FRAME AND LIDS TYPE 5
604036-03	GRATE TYPE B
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W DAY ONLY
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-03	PEDESTRIAN PUSH BUTTON POST
878001-10	CONCRETE FOUNDATION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN

FILE NAME :	USER NAME : thomashf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & LISTING OF HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Documents\DOT Offices\District 9\Projects\78375\Drawings\CD\Sheets\78375-sha-cvr.sdg	CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS	331	(12-111-6,B-2	JACKSON	130	3
	PLOT SCALE : 1/8"=1'-0"	DATE -	REVISED -	STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 78375				
	PLOT DATE : 4/22/2015			(12-111-6,B-2						

GENERAL NOTES

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

ALL AGGREGATE	RIPRAP
2.05 TONS/CU. YD.	1.50 TONS/CU. YD.
2. FORMS FOR CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
3. PROTECTIVE COAT SHALL BE APPLIED TO CONCRETE COMBINATION CURB AND GUTTER, CONCRETE PAVEMENT, CONCRETE SIDEWALKS, AND OTHER ITEMS AS DIRECTED BY THE ENGINEER AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.
4. 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.
5. UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.
6. CONNECTING OF NEW OR EXISTING STORM SEWERS OR PIPE CULVERTS 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 INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.
7. TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
8. 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.
9. SEEDING SHALL BE PERFORMED 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.
10. 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.

FILE NAME =	USER NAME = #USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\ppl\work\ppl\dot\lavenderba\d2349233\	0375-khsa-corr_eqq_index.dgn	DRAWN -	REVISED -			331	(12-11)-6.B-2	JACKSON	130	4
MODELNAME#	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = 3/27/2015	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.
										ILLINOIS FED. AID PROJECT (12-11)-6.B-2
									CONTRACT NO. 78375	

SUMMARY OF QUANTITIES

03006 191 03001 02 03001

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	36	29	7	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	64	51	13	
20100500	TREE REMOVAL, ACRES	ACRE	0.15	0.12	0.03	
20200100	EARTH EXCAVATION	CU YD	642	514	128	
20400800	FURNISHED EXCAVATION	CU YD	2,750	2,200	550	
20800150	TRENCH BACKFILL	CU YD	79	63	16	
25000115	SEEDING, CLASS 1B	ACRE	1.4	1.1	0.3	
25000350	SEEDING, CLASS 7	ACRE	1.4	1.1	0.3	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	229	183	46	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	172	137	34	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	172	137	34	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.9	2.3	0.6	
25100115	MULCH, METHOD 2	ACRE	2.9	2.3	0.6	
25100630	EROSION CONTROL BLANKET	SO YD	1,134	907	227	

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	143	114	29	
28000305	TEMPORARY DITCH CHECKS	FOOT	96	77	19	
28000400	PERIMETER EROSION BARRIER	FOOT	1,576	1,261	315	
28000500	INLET AND PIPE PROTECTION	EACH	6	5	1	
28100107	STONE RIPRAP, CLASS A4	SQ YD	488			488
28200200	FILTER FABRIC	SQ YD	488			488
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	1,664	1,331	333	
42000100	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SQ YD	1,440	1,152	288	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	59	47	12	
42001200	PAVEMENT FABRIC	SQ YD	1,499	1,199	300	
42001300	PROTECTIVE COAT	SQ YD	2,033	1,626	407	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,312	2,650	662	
42400800	DETECTABLE WARNINGS	SQ FT	130	104	26	
44000100	PAVEMENT REMOVAL	SQ YD	59	47	12	

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\lavanderba\02349233\	3375-sha-cvr-ssq.infer.dgn	DRAWN -	REVISED -			331	(12-11)-6,B-2	JACKSON	130	6
MODELNAME	PLOT SCALE = 1/8" = 1' in.	CHECKED -	REVISED -		SCALE:				CONTRACT NO. 78375	
	PLOT DATE = 3/27/2015	DATE -	REVISED -		SHEET OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT	(12-11)-6,B-2

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	95	76	19	
44004250	PAVED SHOULDER REMOVAL	SQ YD	43	34	9	
48300300	PORTLAND CEMENT CONCRETE SHOULDERS 8"	SQ YD	43	34	9	
50200100	STRUCTURE EXCAVATION	CU YD	88			88
50300225	CONCRETE STRUCTURES	CU YD	30			30
50300255	CONCRETE SUPERSTRUCTURE	CU YD	16.1			16.1
50300300	PROTECTIVE COAT	SQ YD	220			220
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	16,390	7048	1762	7580
50901720	BICYCLE RAILING	FOOT	320	48	12	260
51200956	FURNISHING METAL SHELL PILES 12" X 0.179"	FOOT	528			528
51202305	DRIVING PILES	FOOT	528			528
51203200	TEST PILE METAL SHELLS	EACH	2			2
51500100	NAME PLATES	EACH	1			1
52100510	ANCHOR BOLTS, 3/4"	EACH	8			8

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1	0	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	28	22	6	
54003000	CONCRETE BOX CULVERTS	CU YD	55	44	11	
54010403	PRECAST CONCRETE BOX CULVERTS 4' X 3'	FOOT	12	10	2	
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	16	13	3	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	37	30	7	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2	0	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3	2	1	
54248510	CONCRETE COLLAR	CU YD	1	1	0	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	110	88	22	
59100100	GEOCOMPOSITE WALL DRAIN	SD YD	38			38
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1	0	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4	3	1	
60236200	INLETS, TYPE A, TYPE B GRATE	EACH	1	1	0	
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	489	391	98	

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
en:\work\pav\vidot\lavander\ba\0349233\7	0375-shita-cvr_00g_indev.dgn	DRAWN -	REVISED -			331	(12-11)-6,B-2	JACKSON	130	8
#MODELNAME#	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -							
	PLOT DATE = 3/27/2015	DATE -	REVISED -							
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
										ILLINOIS FED. AID PROJECT (12-11)-6,B-2

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	83	66	17	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	214	171	43	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	11	9	2	
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	0	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	0	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	0	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	28	22	6	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	369	295	74	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	546	437	109	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	75	60	15	

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
* 72000100	SIGN PANEL - TYPE 1	SO FT	33	26	7	
* 73000100	WOOD SIGN SUPPORT	FOOT	51	41	10	
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	28	22	6	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	369	295	74	
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	546	437	109	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	75	60	15	
	78300100 PAVEMENT MARKING REMOVAL	SO FT	124	99	25	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	100	80	20	
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	104	83	21	
* 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	87	70	17	
* 81028380	UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	66	53	13	
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	167	134	33	
* 81500100	GULFBOX JUNCTION	EACH	1	1	0	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,514	1,211	303	
14	* SPECIALTY ITEM					

FILE NAME =	USER NAME = USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 331	SECTION (12-111)-6,B-2	COUNTY JACKSON	TOTAL SHEETS 130	SHEET NO. 10
MODEL NAME =	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 78375			
	PLOT DATE = 3/27/2019	DATE -	REVISED -	(12-111)-6,B-2						

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	776	621	155	
* 87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	279	223	56	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,209	967	242	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	269	215	54	
* 87602000	PEDESTRIAN PUSH-BUTTON POST	EACH	3	2	1	
* 87900100	DRILL EXISTING FOUNDATION	EACH	1	1	0	
* 87900200	DRILL EXISTING HANDHOLE	EACH	4	3	1	
* 88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	6	5	1	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	114	91	23	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	7	6	1	
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	2	0	
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1,439			1,439
X0350805	FOLD DOWN BOLLARDS	EACH	2	2	0	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	281	225	56	
14	* SPECIALTY ITEM					

SUMMARY OF QUANTITIES - CONT

COUNTY:	Jackson	Jackson	Jackson
ROUTE:	FAP 331, IL 13	FAP 331, IL 13	FAP 331, IL 13
FUNDING:	80% STATE	20% CITY	100% STATE
LOCATION:	URBAN	URBAN	URBAN
TOTAL QUANTITY	SAFETY 0028	BRIDGE 0028	BRIDGE 0008

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	BRIDGE	BRIDGE
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	50			50
X6026108	INLETS TO BE RECONSTRUCTED WITH NEW FRAME AND GRATE, SPECIAL	EACH	1	1	0	
* X8100105	CONDUIT SPLICE	EACH	1	1	0	
* X8140105	HANDHOLE (SPECIAL)	EACH	2	2	0	
* X8752640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT. (SPECIAL)	EACH	1	1	0	
* X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	2	2	0	
Z0004002	BOLLARDS	EACH	3	2	1	
* Z0033062	RADIO TRANSCEIVER	EACH	2	2	0	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	108			108
∅ Z0070604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

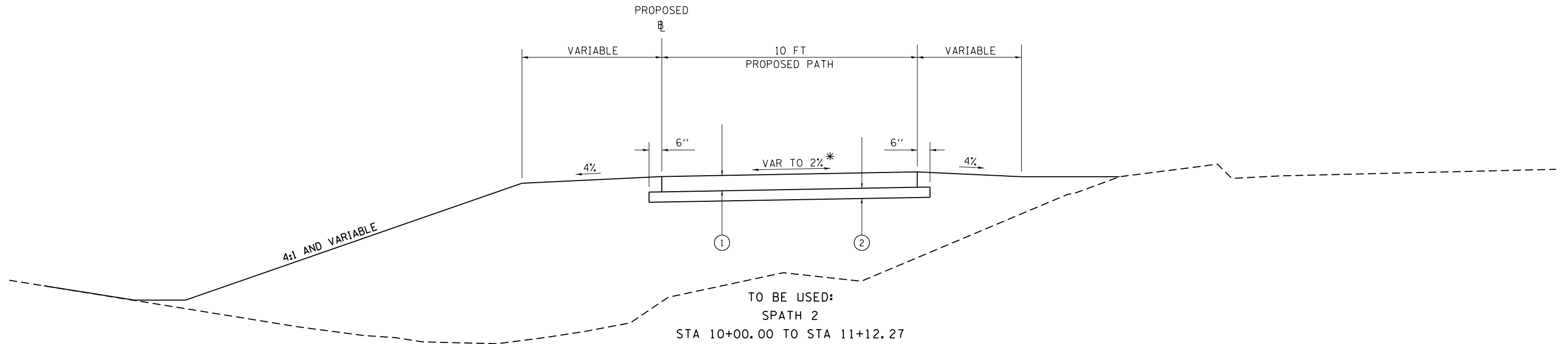
* SPECIALTY ITEMS

∅ 0042

FILE NAME:	USER NAME: *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwworkspace\lenderba\02342331	0375-shr-cvr_soa_indev.dgn	DRAWN -	REVISED -			331	(12-11)-6.B-2	JACKSON	130	12
MODELNAME:	PLOT SCALE = 1/2" = 1' / in.	CHECKED -	REVISED -		SCALE:					CONTRACT NO. 78375
	PLOT DATE = 3/27/2015	DATE -	REVISED -		SHEET OF SHEETS	STA.	TO STA.			ILLINOIS FED. AID PROJECT

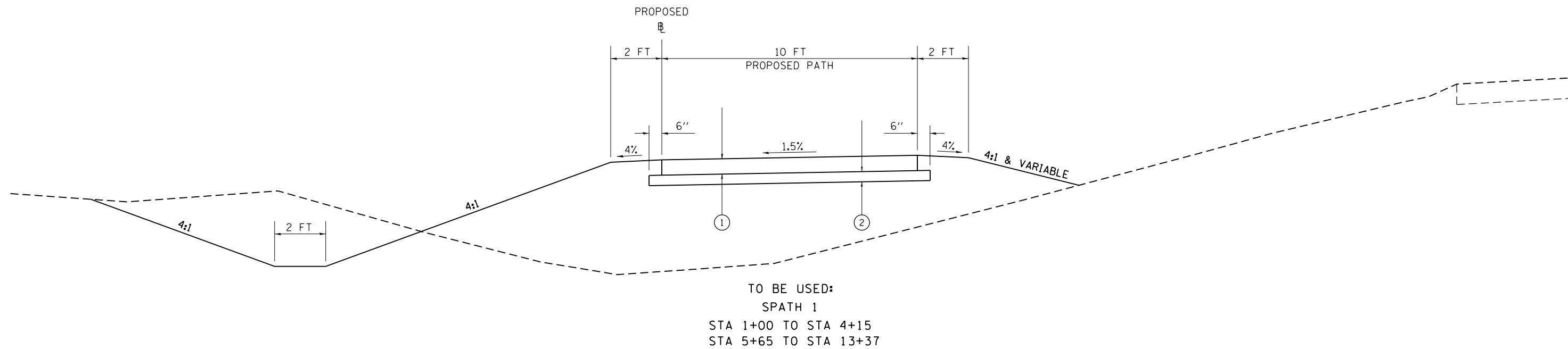
TYPICAL SECTIONS

JACKSON COUNTY
MULTI-USE PATH
LOOKING WEST



LEGEND

- ① PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 6"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"

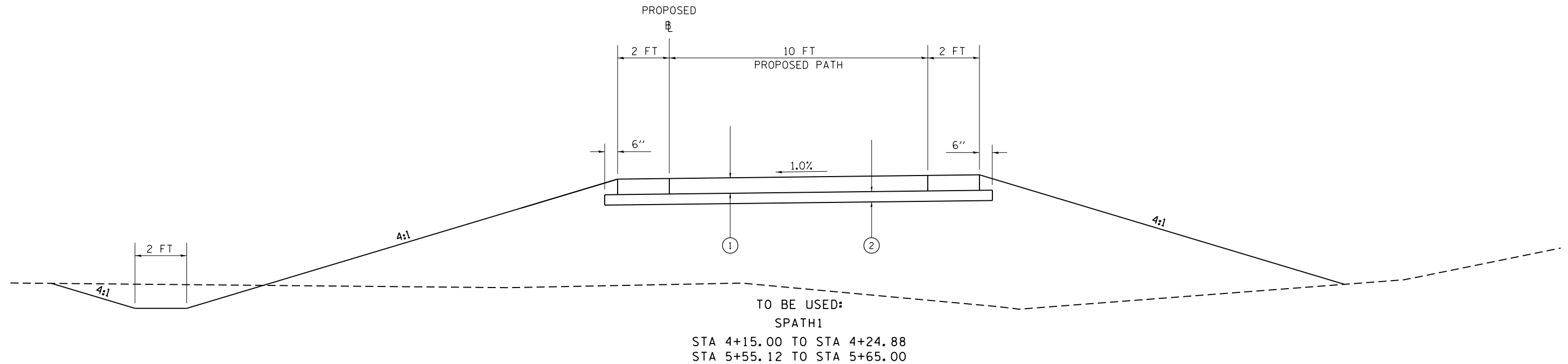


* SEE CROSS SECTIONS FOR SPECIFIC CROSS SLOPES

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		CONTRACT NO. 78375				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/22/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	(12-1)I-6,B-2	

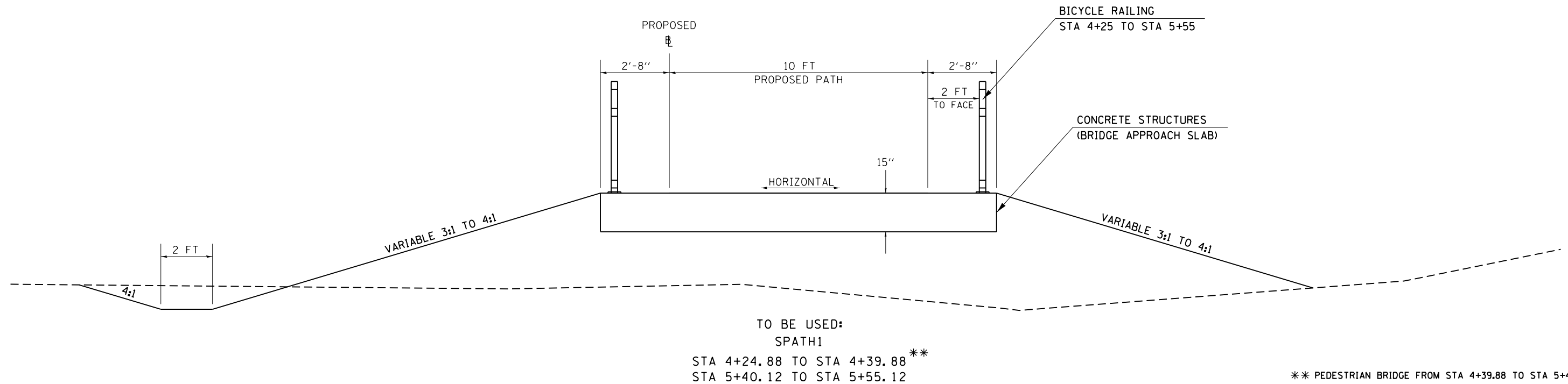
TYPICAL SECTIONS

JACKSON COUNTY
MULTI-USE PATH
LOOKING WEST



LEGEND

- ① PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 6"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"



FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIWDD\Documents\DOT Offices\District 9\Projects\78375\Drawings\CAD\Sheets\78375-shb-typ-sch.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

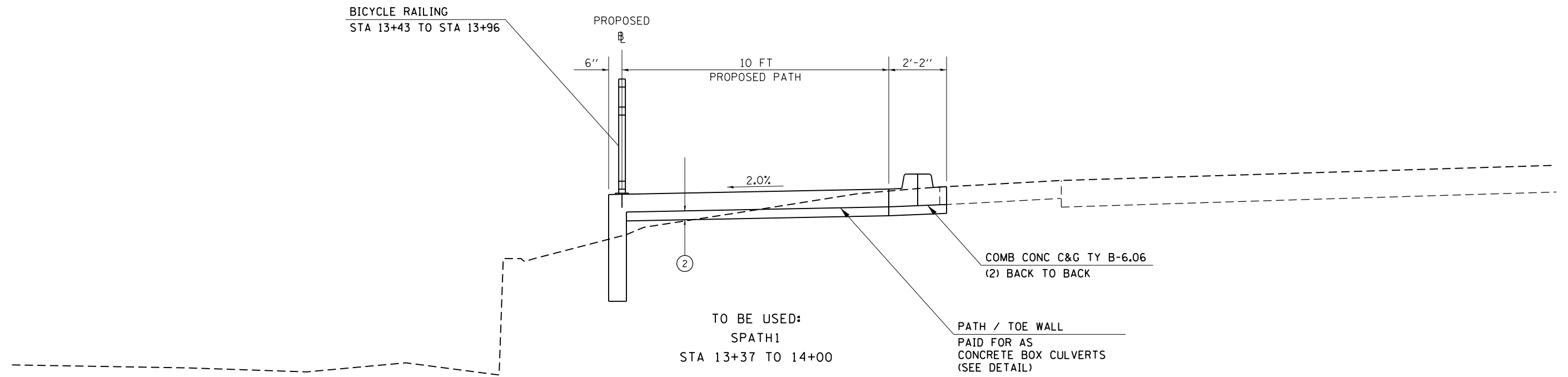
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	14
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

(12-1)I-6,B-2

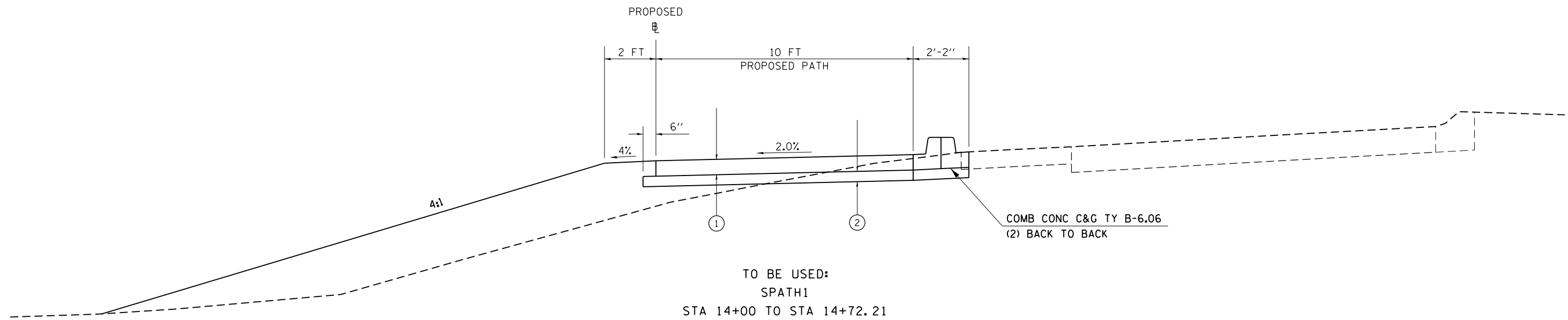
TYPICAL SECTIONS

JACKSON COUNTY
MULTI-USE PATH
LOOKING WEST



LEGEND

- ① PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 6"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"



FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

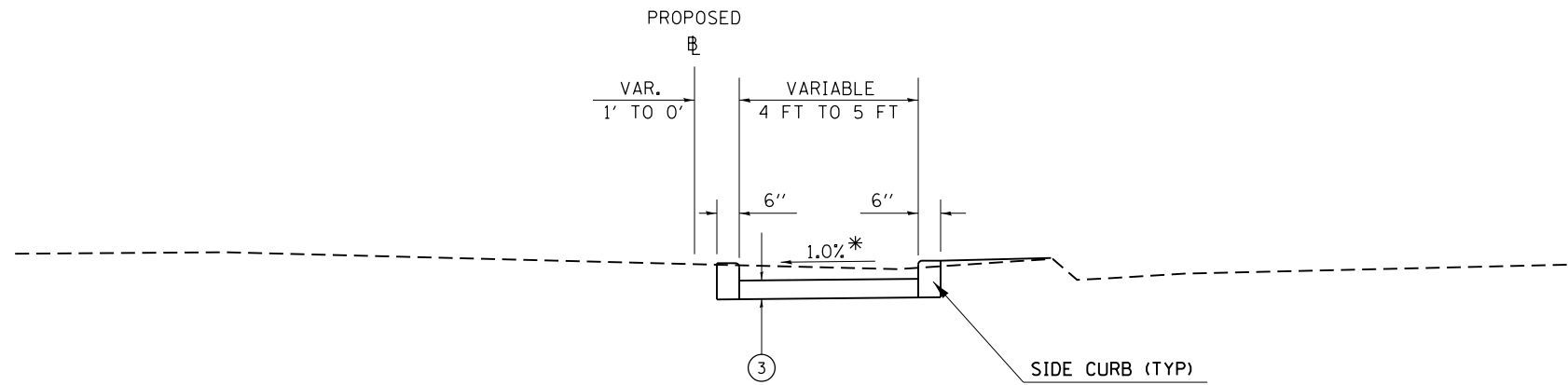
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	15
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS

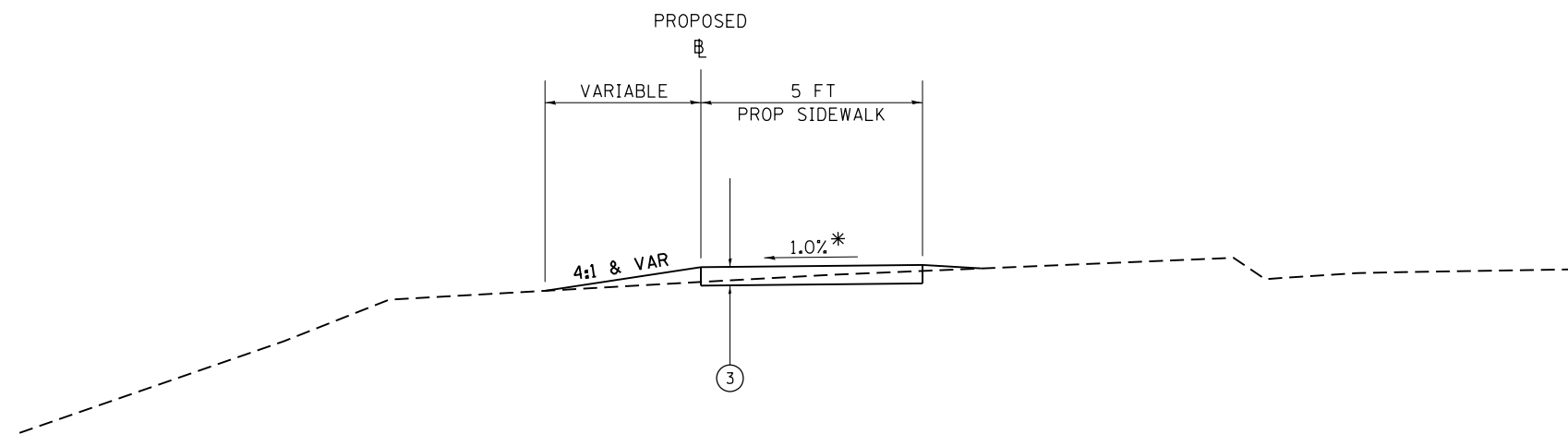
JACKSON COUNTY
CONNECTING SIDEWALK 1
LOOKING NORTH



TO BE USED:
STA 10+05 TO STA 10+25

LEGEND

- ③ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"



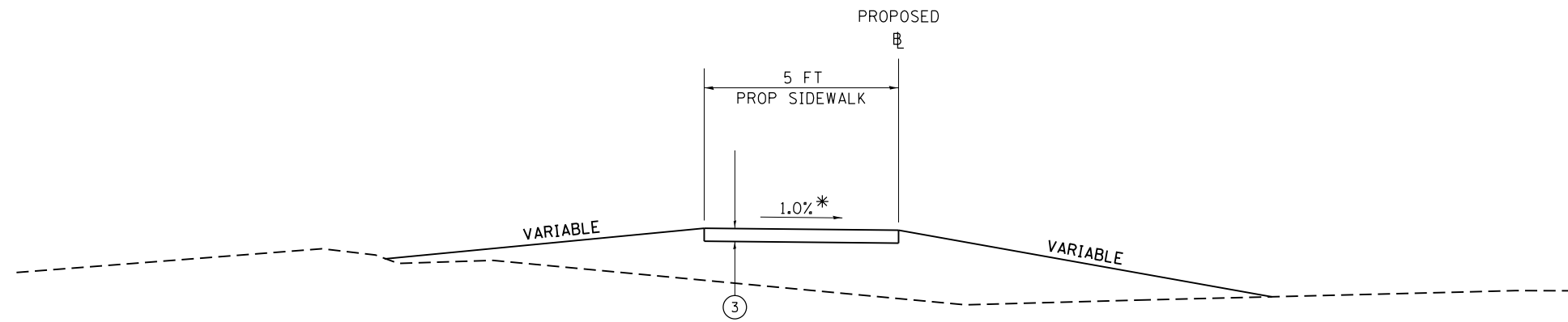
TO BE USED:
STA 10+25 TO 11+00

* CROSS SLOPE MAY VARY AT CONNECTIONS TO ROADWAY

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78375\CAD\Drawings\78375-shfb-typ-sch.dwg	DESIGNED -	REVISED -	331					(12-1)I-6,B-2	JACKSON	130	16	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/22/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	(12-1)I-6,B-2

TYPICAL SECTIONS

JACKSON COUNTY
CONNECTING SIDEWALK 20
LOOKING NORTH

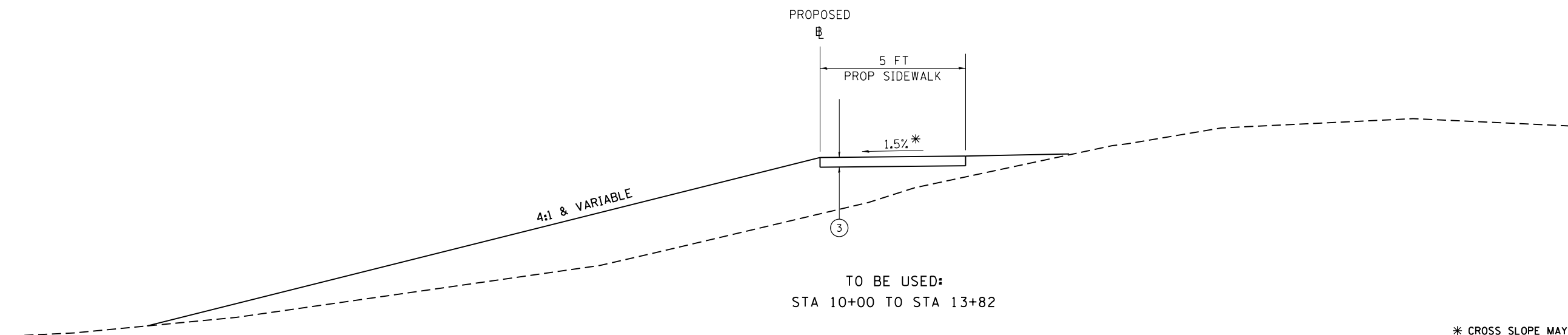


TO BE USED:
STA 10+00 TO 10+25

LEGEND

- ③ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"

JACKSON COUNTY
CONNECTING SIDEWALK 30
LOOKING SOUTHWEST



TO BE USED:
STA 10+00 TO STA 13+82

* CROSS SLOPE MAY VARY AT CONNECTIONS TO ROADWAY

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

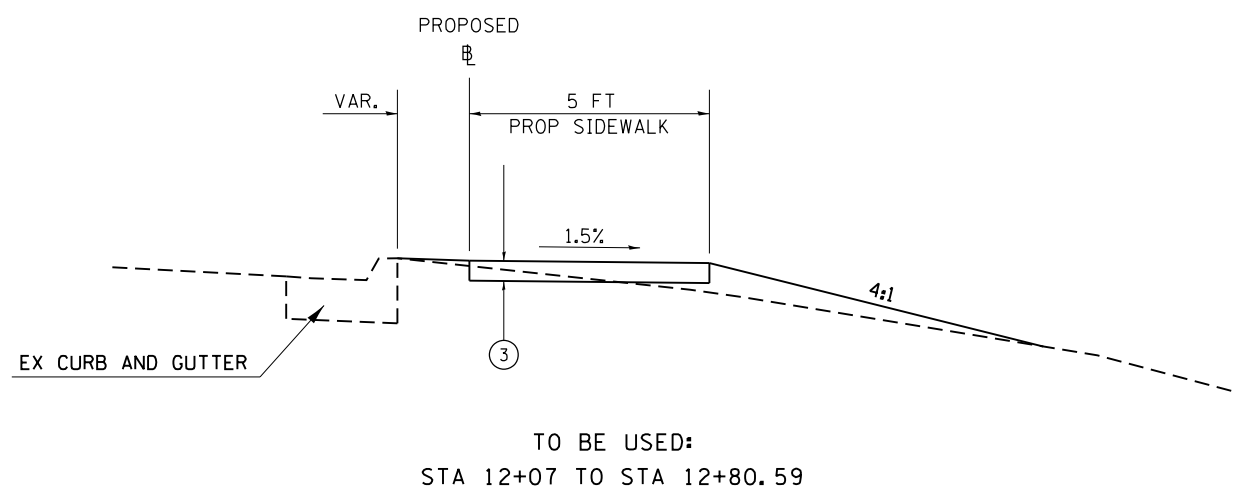
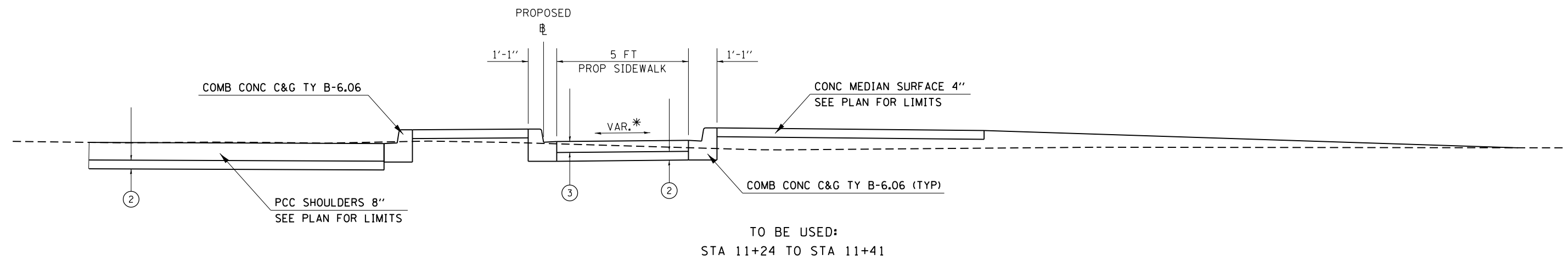
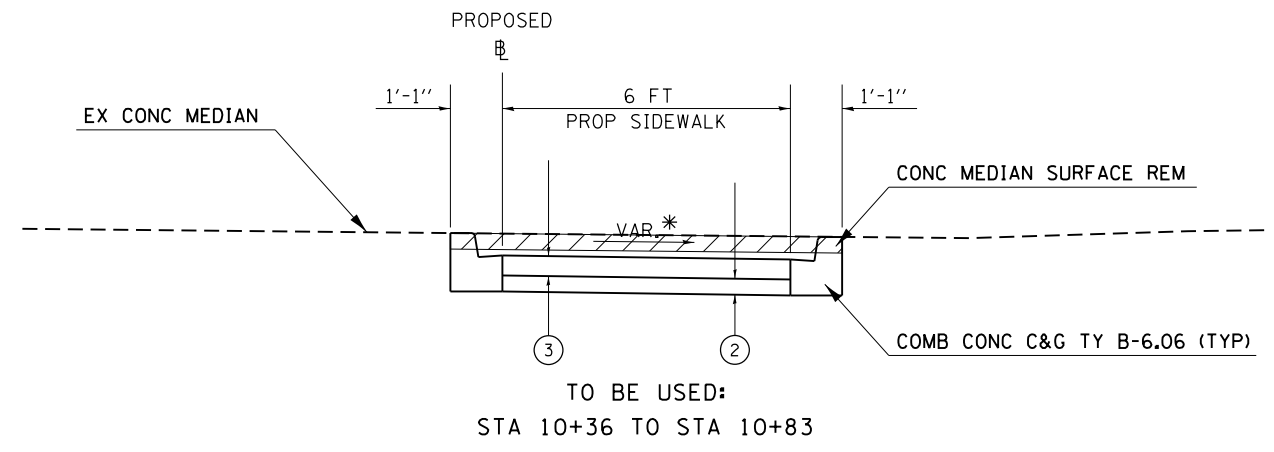
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	

TYPICAL SECTIONS

JACKSON COUNTY
CONNECTING SIDEWALK 40
LOOKING NORTH



LEGEND

- ③ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"

* SEE CROSS SECTIONS FOR SPECIFIC CROSS SLOPES

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	18
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

PAVEMENT AND SHOULDER SCHEDULE

LOCATION STATION TO STATION	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	PAVEMENT REMOVAL	PORTLAND CEMENT CONCRETE PAVEMENT 6"	PORTLAND CEMENT CONCRETE PAVEMENT 10"	PAVEMENT FABRIC	PAVED SHOULDER REMOVAL	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	CONCRETE BOX CULVERTS	RE INFORCEMENT BARS, EPOXY COATED	BOLLARDS	PROTECTIVE COAT	REMARKS
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	POUNDS	EACH	SQ YD	
EMERALD												
7+53.64 TO 7+78.64	40.0	40.0		40.01	40.0						40.0	SOUTH ENTRANCE
8+76.06 TO 8+89.08	18.7	18.7		18.72	18.7						18.7	NORTH ENTRANCE
SOUTH PATH												
10+02.77 TO 11+12.27	121.7		121.7		121.7						121.7	
										3		
BK 11+12.27 TO 1+00.00 AH												
1+00.00 TO 3+00.00	222.2		222.2		222.2						222.2	
3+00.00 TO 4+15.00	127.8		127.8		127.8						127.8	
4+15.00 TO 4+24.88	15.4		15.4		15.4						15.4	
4+24.88 TO 4+39.88												APPROACH PAVEMENT
4+39.88 TO 5+40.12												BRIDGE
5+40.12 TO 5+55.12												APPROACH PAVEMENT
5+55.12 TO 5+65.00	15.4		15.4		15.4						15.4	
5+65.00 TO 13+37.00	857.8		857.8		857.8						857.8	
13+37.00 TO 14+00.00								21.8	1180.4		70.0	
14+00.00 TO 14+72.21	80.2		80.2		80.2						80.2	
										2		FOLD DOWN BOLLARDS
IL 13 (EB)												
67+46.50 TO 67+89.29	41.0					41.0	41.0					
SIDEWALK 40												
67+46.50 TO 67+89.29	1.9					1.9	1.9					
TOTALS												
	1542	59	1440	59	1499	43	43	22	1180	5	1569	

DRAINAGE SCHEDULE

LOCATION STATION TO STATION	TRENCH BACKFILL	INLETS, TYPE A, TYPE 3 F&G	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	STORM SEWERS, CL A, TYPE 1 12"	PIPE CULVERTS, CL A, TYPE 1 12"	PIPE CULVERTS, CL A, TYPE 1 24"	PRC FLARED END SECTIONS 12"	PRC FLARED END SECTIONS 24"	PRECAST CONCRETE BOX CULVERTS 4' X 3'	BOX CULVERT END SECTIONS, CULVERT NO. 1	CONCRETE COLLAR	CONCRETE BOX CULVERTS	INLETS TO BE RECONSTRUCTED WITH NEW F&G, SPECIAL
	CU YD	EACH	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH	FOOT	EACH	CU YD	CU YD	EACH
EMERALD														
7+66.02 29.95' LT		1												
7+66.02 30' LT TO 25' LT	1.0				5									
7+68.77 22.89' LT														1
7+76.02 16.38' LT		1												
7+70 21' LT TO 7+76 16' LT	1.6				8									
SOUTH PATH														
10+09.54 TO 10+59.52	45.7												33.1	
10+10 1.0' RT 10+11 1.3' LT	0.6				3							0.16		
10+15.00 14.94' RT			1											
10+15 15' RT 10+19 0.7' RT	2.9				15									
10+37.00 18.94' LT									1					
10+37.00 13' LT TO 2' LT	3.2						11							
BK 11+12.27 TO 1+00.00 AH														
4+00.00 TO 14.43' LT									1					
4+00.00 9' LT TO 17' RT	7.6						26							
4+00.00 TO 22.64' RT									1					
SDWLK 30														
10+19.50 13' LT TO 18' LT	1.0					5						0.16		
10+19.50 23.21' LT								1						
12+23.22 11' LT TO 23' LT										12		0.41		
12+23.22 27.35' LT											1			
IL 13 EASTBOUND														
67+75.10 23.52' RT		1												
67+01.85 TO 67+75.10	14.6				75							0.16		
67+75.06 27.38' RT		1												
67+75.08 24' RT TO 27' RT	0.8				4									
NEW ERA ROAD														
11+26.18 29.34' RT				1										
11+26.18 30' RT TO 40' RT						11								
13+40.00 40' RT								1						
TOTALS	79	4	1	1	110	16	37	2	3	12	1	0.9	33	1

PAVEMENT MARKING SCHEDULE

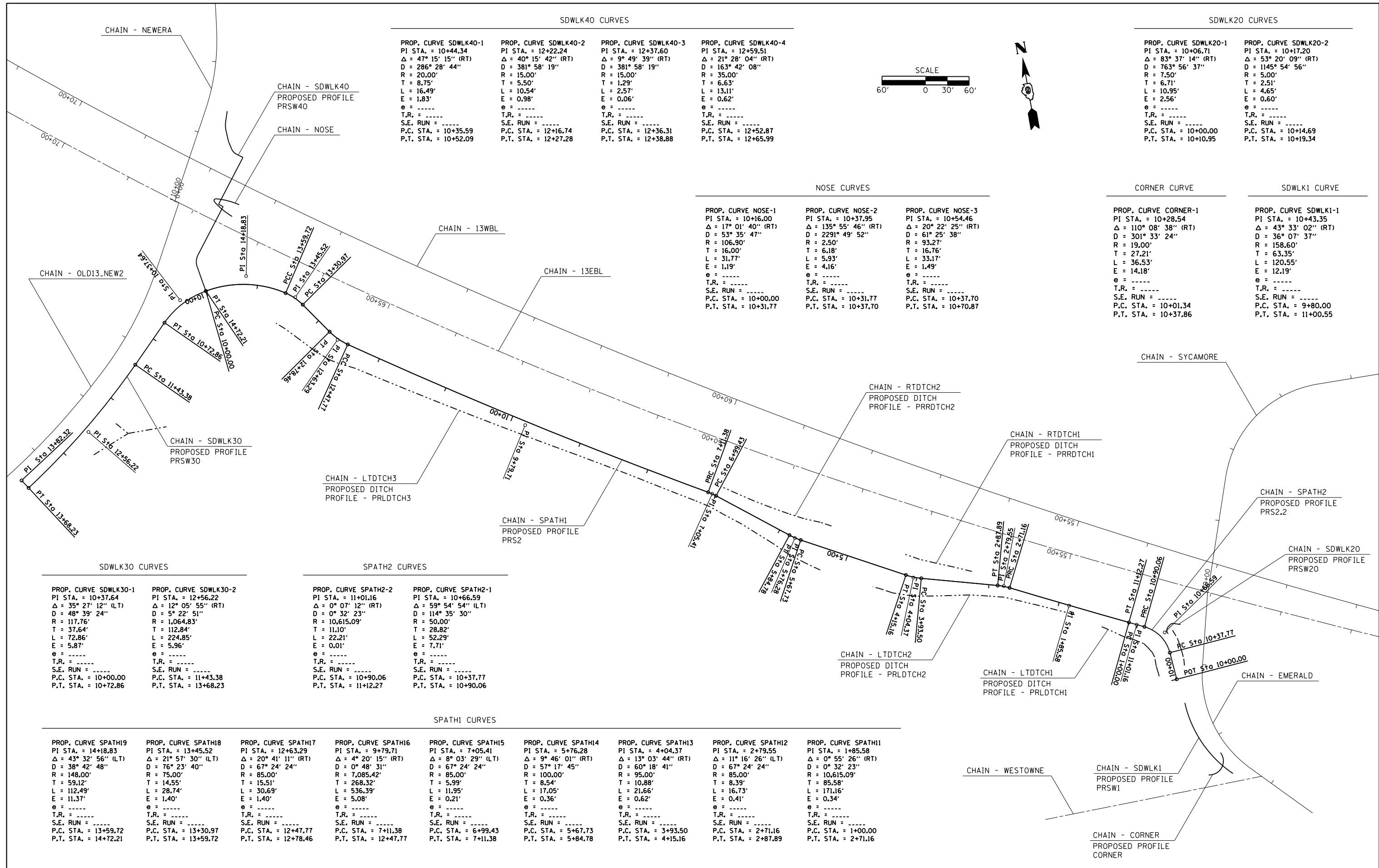
LOCATION	PAINT PAVEMENT MARKING				PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING				REMARKS
	LINE 4" - SKIP DASH - WHITE	LINE 12" - WHITE	LINE 24" - WHITE	LETTERS & SYMBOLS		PAINT PAVEMENT MARKING				
						LINE 4" - SKIP DASH - WHITE	LINE 12" - WHITE	LINE 24" - WHITE	LETTERS & SYMBOLS	
FOOT	FOOT	FOOT	SO FT	SO FT	FOOT	FOOT	FOOT	SO FT		
SOUTH PATH										
10+00 TO 11+12.27	27.0					27.0				SKIP DASH
10+10 (SPATH2)				14.0					14.0	SHARED PATH BIKE SYMBOL
BK 11+12.27 1+00 AH										
1+00 TO 14+76	342.0					342.0				SKIP DASH
14+50 (SPATH1)				14.0					14.0	SHARED PATH BIKE SYMBOL
EMERALD										
7+10.44 LT TO 7+67.32 LT		108.0					108.0			CROSSWALK IN FRONT OF SHELL STATION
9+50 LT TO 9+59 LT					6.3					EXISTING PAINTED ISLAND, 4"
9+52.22 RT TO 9+56.40 LT		138.0					138.0			CROSSWALK AT INT. OF EMERALD & IL13 EB
9+47 RT TO 9+60 RT					56.0					EXISTING STOP BAR, 24"
9+48.11 RT			24.0					24.0		STOP BAR
9+58 LT TO 9+60 LT					5.0					EXISTING STOP BAR, 24"
OLD 13										
0+72.57 LT TO 0+93.56 LT		42.0					42.0			CROSSWALK IN TURN LANE ONTO IL13 EB
4+34.45 LT TO 4+40.78 RT		84.0					84.0			CROSSWALK IN FRONT OF GOLD'S GYM
IL13 EB										
67+62.31 RT TO 67+63.00 LT		66.0					66.0			CROSSWALK
IL13 WB										
67+56 RT TO 67+69 RT					9.0					PAINTED ISLAND, 4"
67+58.61 RT TO 67+59.60 LT			51.0					51.0		STOP BAR
67+64.14 RT TO 67+65.26 LT		108.0					108.0			CROSSWALK
67+70 RT					48.0					EXISTING STOP BARS
TOTALS	369	546	75	28	124	369	546	75	28	

SEEDING & EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION	SEEDING, CLASS 1B	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMP. EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	SQ YD	POUND	FOOT	EACH	FOOT
SIDEWALK 1												
10+00.00 TO 11+00.00	0.03	0.03	4.8	3.6	3.6	0.1	0.1		3.0			
10+06.00 TO 11+00.55 LT												98.13
10+91.28 LT											1	
SIDEWALK 30												
10+00.00 TO 13+68.23 LT												468.72
10+00.00 TO 13+82.42 LT	0.29	0.29	46.4	34.8	34.8	0.6	0.6		29.0			
11+84.52 TO 12+74.75 LT								515.1				
11+98.93 LT										6		
12+29.78 LT										6		
12+56.45 LT										6		
NEW ERA SIDEWALK												
10+90.45 TO 13+99.99	0.01	0.01	1.6	1.2	1.2	0.0	0.0		1.0			
SHEET TOTALS												
	0.3	0.3	52.8	39.6	39.6	0.7	0.7	515.1	33.0	18.0	1.0	566.9
TOTALS												
	1.4	1.4	228.8	171.6	171.6	2.9	2.9	1133.7	143.0	96.0	6.0	1576.4

RIPRAP SCHEDULE

LOCATION STATION TO STATION	STONE RIPRAP, CLASS A4	FILTER FABRIC	REMARKS
	SQ YD	SQ YD	
SOUTH PATH			
4+40.00 TO 5+40.00	488.0	488.0	
TOTALS			
	488	488	



SDWLK40 CURVES

PROP. CURVE SDWLK40-1 PI STA. = 10+44.34 $\Delta = 47^\circ 15' 15''$ (RT) $D = 286^\circ 28' 44''$ $R = 20.00'$ $T = 8.75'$ $L = 16.49'$ $E = 1.83'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+35.59 P.T. STA. = 10+52.09	PROP. CURVE SDWLK40-2 PI STA. = 12+22.24 $\Delta = 40^\circ 15' 42''$ (RT) $D = 381^\circ 58' 19''$ $R = 15.00'$ $T = 5.50'$ $L = 10.54'$ $E = 0.98'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 12+16.74 P.T. STA. = 12+27.28	PROP. CURVE SDWLK40-3 PI STA. = 12+37.60 $\Delta = 9^\circ 49' 39''$ (RT) $D = 381^\circ 58' 19''$ $R = 15.00'$ $T = 1.29'$ $L = 2.57'$ $E = 0.06'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 12+36.31 P.T. STA. = 12+38.88	PROP. CURVE SDWLK40-4 PI STA. = 12+59.51 $\Delta = 21^\circ 28' 04''$ (RT) $D = 163^\circ 42' 08''$ $R = 35.00'$ $T = 6.63'$ $L = 13.11'$ $E = 0.62'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 12+52.87 P.T. STA. = 12+65.99
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SDWLK20 CURVES

PROP. CURVE SDWLK20-1 PI STA. = 10+06.71 $\Delta = 83^\circ 37' 14''$ (RT) $D = 763^\circ 56' 37''$ $R = 7.50'$ $T = 6.71'$ $L = 10.95'$ $E = 0.56'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+00.00 P.T. STA. = 10+10.95	PROP. CURVE SDWLK20-2 PI STA. = 10+17.20 $\Delta = 53^\circ 20' 09''$ (RT) $D = 1145^\circ 54' 56''$ $R = 5.00'$ $T = 2.51'$ $L = 4.65'$ $E = 0.60'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+14.69 P.T. STA. = 10+19.34
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NOSE CURVES

PROP. CURVE NOSE-1 PI STA. = 10+16.00 $\Delta = 17^\circ 01' 40''$ (RT) $D = 53^\circ 35' 47''$ $R = 106.90'$ $T = 16.00'$ $L = 31.77'$ $E = 1.19'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+00.00 P.T. STA. = 10+31.77	PROP. CURVE NOSE-2 PI STA. = 10+37.95 $\Delta = 135^\circ 55' 46''$ (RT) $D = 2291^\circ 49' 52''$ $R = 2.50'$ $T = 6.18'$ $L = 5.93'$ $E = 4.16'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+31.77 P.T. STA. = 10+37.70	PROP. CURVE NOSE-3 PI STA. = 10+54.46 $\Delta = 20^\circ 22' 25''$ (RT) $D = 61^\circ 25' 38''$ $R = 93.27'$ $T = 16.00'$ $L = 33.17'$ $E = 1.49'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+37.70 P.T. STA. = 10+70.87
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CORNER CURVE

PROP. CURVE CORNER-1 PI STA. = 10+28.54 $\Delta = 110^\circ 08' 38''$ (RT) $D = 301^\circ 33' 24''$ $R = 19.00'$ $T = 27.21'$ $L = 36.53'$ $E = 14.18'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+01.34 P.T. STA. = 10+37.86	PROP. CURVE SDWLK1-1 PI STA. = 10+43.35 $\Delta = 43^\circ 33' 02''$ (RT) $D = 36^\circ 07' 37''$ $R = 158.60'$ $T = 63.35'$ $L = 120.55'$ $E = 12.19'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 9+80.00 P.T. STA. = 11+00.55
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SDWLK30 CURVES

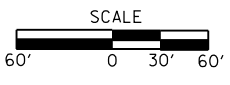
PROP. CURVE SDWLK30-1 PI STA. = 10+37.64 $\Delta = 35^\circ 27' 12''$ (LT) $D = 48^\circ 39' 24''$ $R = 117.76'$ $T = 37.64'$ $L = 72.86'$ $E = 5.87'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+00.00 P.T. STA. = 10+72.86	PROP. CURVE SDWLK30-2 PI STA. = 12+56.22 $\Delta = 12^\circ 05' 55''$ (RT) $D = 5^\circ 22' 51''$ $R = 1,064.83'$ $T = 112.84'$ $L = 224.85'$ $E = 5.96'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 11+43.38 P.T. STA. = 13+68.23
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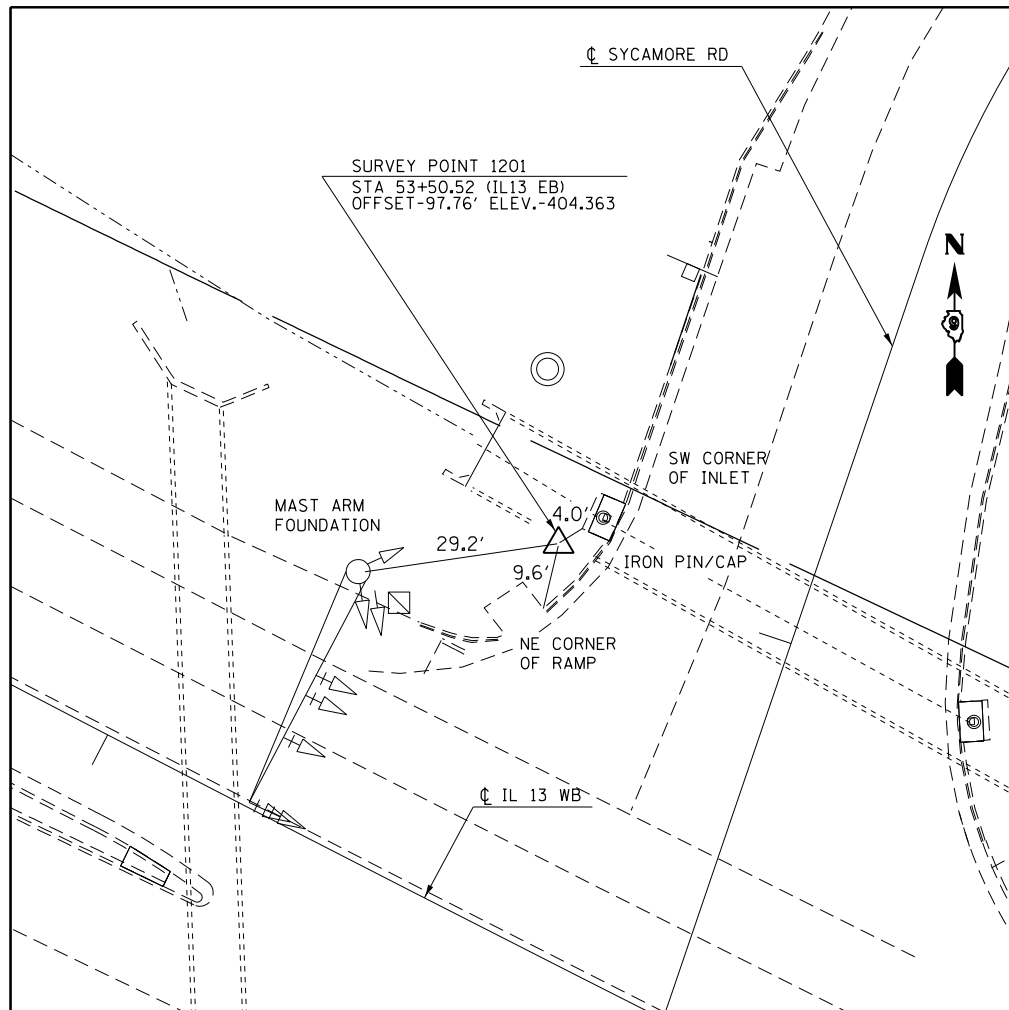
SPATH2 CURVES

PROP. CURVE SPATH2-2 PI STA. = 11+01.16 $\Delta = 0^\circ 07' 12''$ (RT) $D = 0^\circ 32' 23''$ $R = 10,615.09'$ $T = 11.10'$ $L = 22.21'$ $E = 0.01'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+90.06 P.T. STA. = 11+12.27	PROP. CURVE SPATH2-1 PI STA. = 10+66.59 $\Delta = 59^\circ 54' 54''$ (LT) $D = 114^\circ 35' 30''$ $R = 50.00'$ $T = 28.82'$ $L = 52.29'$ $E = 7.71'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 10+37.77 P.T. STA. = 10+90.06
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SPATH1 CURVES

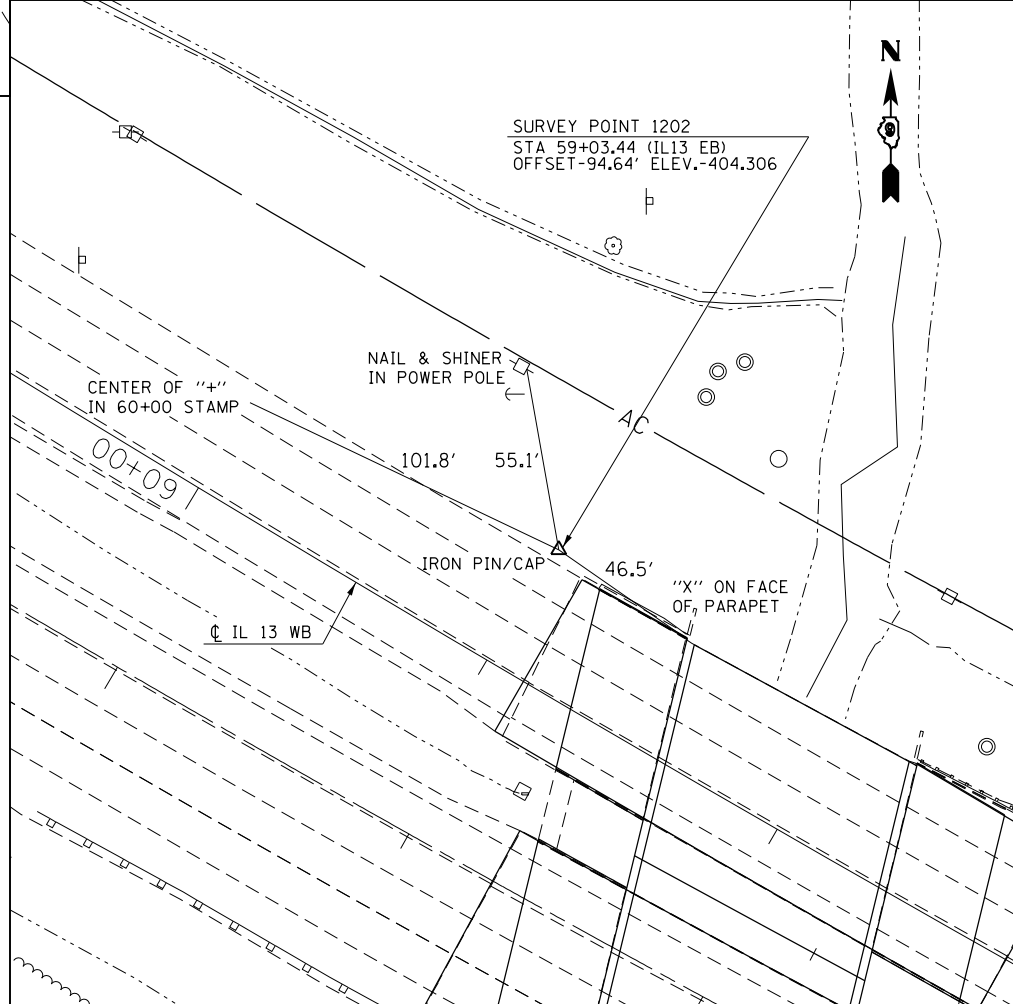
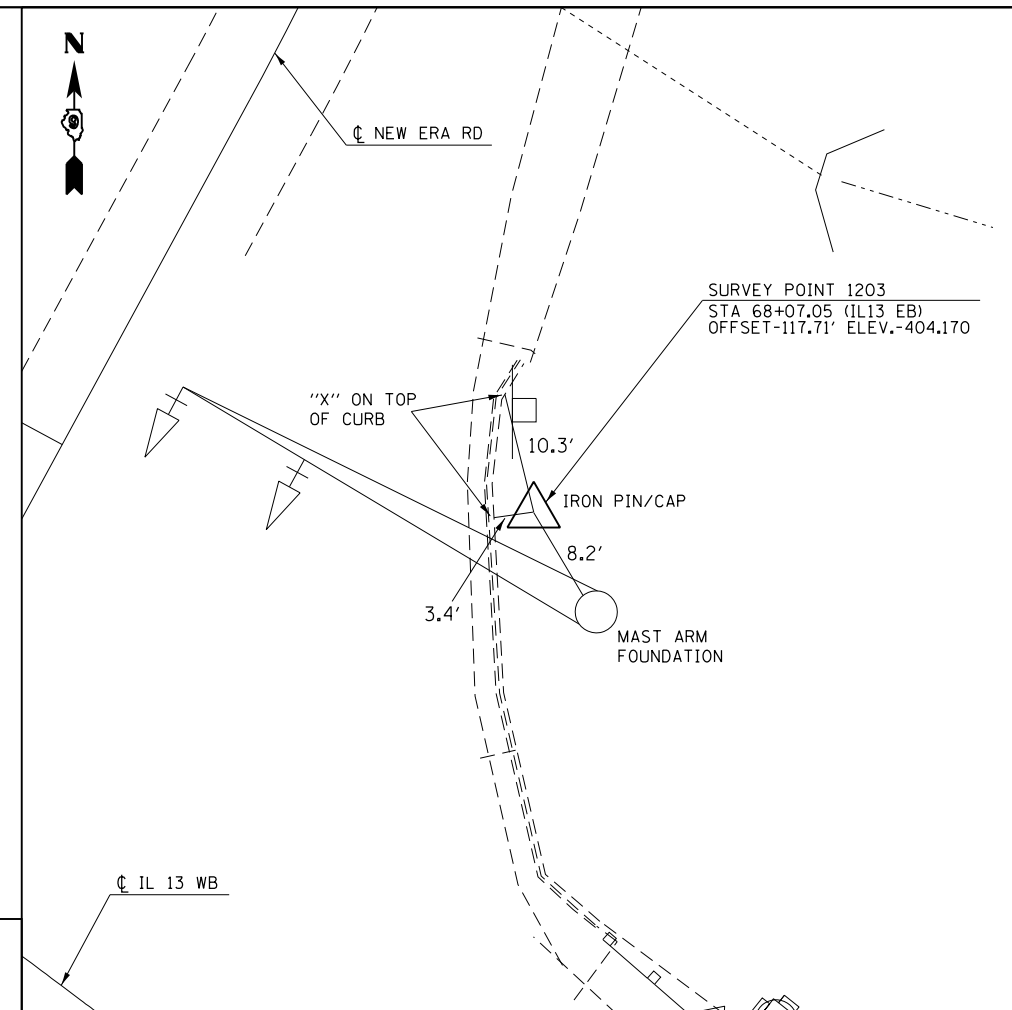
PROP. CURVE SPATH19 PI STA. = 14+18.83 $\Delta = 43^\circ 32' 56''$ (LT) $D = 38^\circ 42' 48''$ $R = 148.00'$ $T = 59.12'$ $L = 112.49'$ $E = 11.37'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 13+59.72 P.T. STA. = 14+72.21	PROP. CURVE SPATH18 PI STA. = 13+45.52 $\Delta = 21^\circ 57' 30''$ (LT) $D = 67^\circ 23' 40''$ $R = 75.00'$ $T = 14.55'$ $L = 28.74'$ $E = 1.40'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 13+30.97 P.T. STA. = 13+59.72	PROP. CURVE SPATH17 PI STA. = 12+63.29 $\Delta = 20^\circ 41' 11''$ (RT) $D = 67^\circ 24' 24''$ $R = 85.00'$ $T = 15.51'$ $L = 30.69'$ $E = 1.40'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 12+47.77 P.T. STA. = 12+78.46	PROP. CURVE SPATH16 PI STA. = 9+79.71 $\Delta = 4^\circ 20' 15''$ (RT) $D = 0^\circ 48' 31''$ $R = 7,085.42'$ $T = 268.32'$ $L = 536.39'$ $E = 5.08'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 7+11.38 P.T. STA. = 12+47.77	PROP. CURVE SPATH15 PI STA. = 7+05.41 $\Delta = 8^\circ 03' 29''$ (LT) $D = 67^\circ 24' 24''$ $R = 85.00'$ $T = 5.99'$ $L = 11.95'$ $E = 0.21'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 6+99.43 P.T. STA. = 7+11.38	PROP. CURVE SPATH14 PI STA. = 5+76.28 $\Delta = 9^\circ 46' 01''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 8.54'$ $L = 17.05'$ $E = 0.36'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 5+67.73 P.T. STA. = 5+84.78	PROP. CURVE SPATH13 PI STA. = 4+04.37 $\Delta = 13^\circ 03' 44''$ (RT) $D = 60^\circ 18' 41''$ $R = 95.00'$ $T = 10.88'$ $L = 21.66'$ $E = 0.62'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 3+93.50 P.T. STA. = 4+15.16	PROP. CURVE SPATH12 PI STA. = 2+79.55 $\Delta = 11^\circ 16' 26''$ (LT) $D = 0^\circ 32' 23''$ $R = 85.00'$ $T = 8.39'$ $L = 16.73'$ $E = 0.41'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 2+71.16 P.T. STA. = 2+87.89	PROP. CURVE SPATH11 PI STA. = 1+85.58 $\Delta = 0^\circ 55' 26''$ (RT) $D = 0^\circ 32' 23''$ $R = 10,615.09'$ $T = 85.58'$ $L = 171.16'$ $E = 0.41'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 1+00.00 P.T. STA. = 2+71.16
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SURVEY POINT INFORMATION

SURVEY POINT	NORTHING	EASTING	ELEVATION
BMI002	387972.8969	722599.5637	402.0503
1201	388473.0633	721398.0133	404.3627
RESETB291	388659.1481	721018.6038	404.5496
1202	388720.6593	720911.0585	404.3064
CM3013	389069.8211	720125.2664	404.4770
1203	389225.6600	720178.6805	404.1701



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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

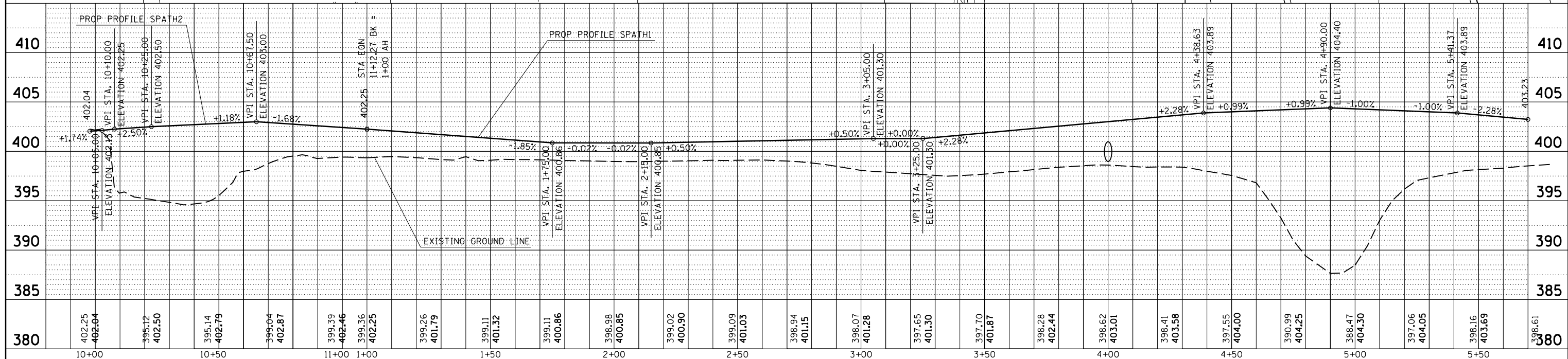
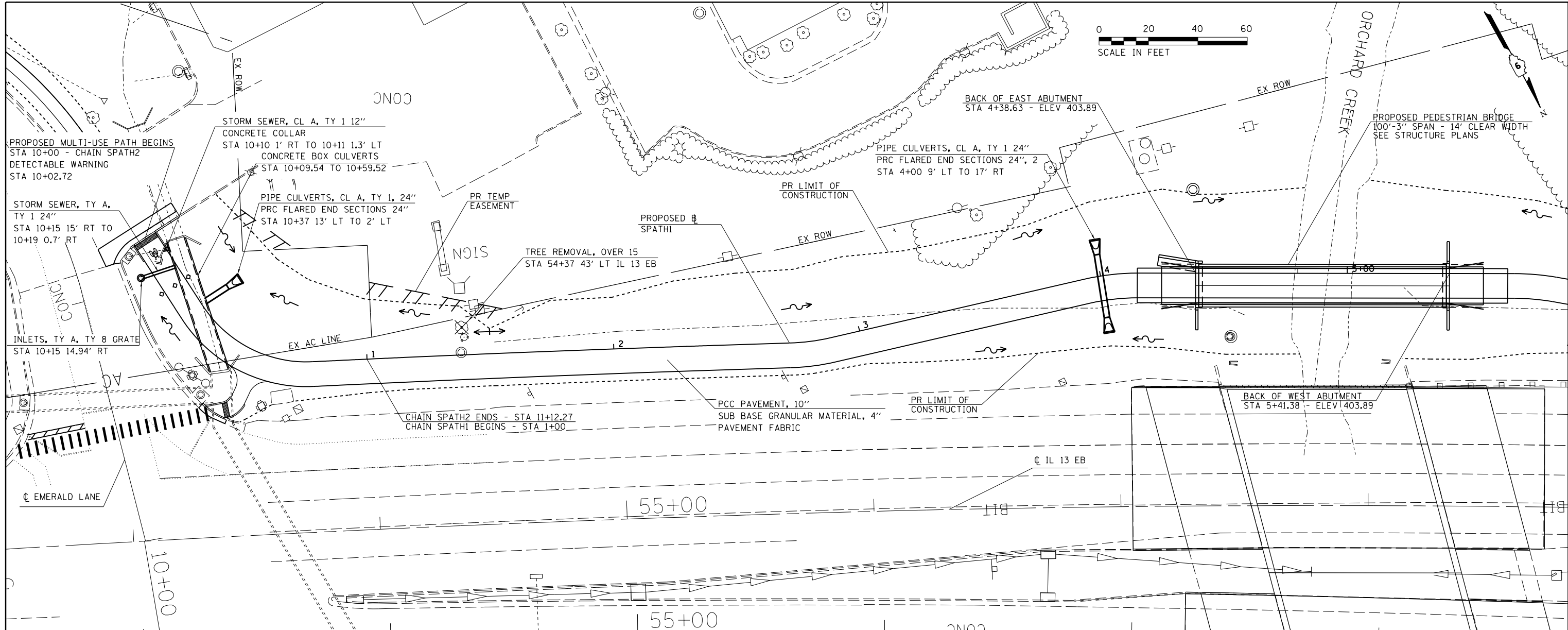
TIE POINTS & BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	28
CONTRACT NO. 78375				

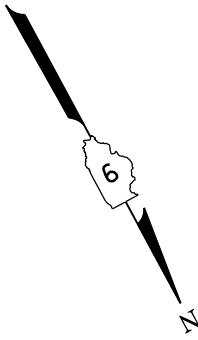
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BY	
SURVEYED	
PLANNED	
NOTED	
FILE NAME	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
FILE NAME	
NO.	



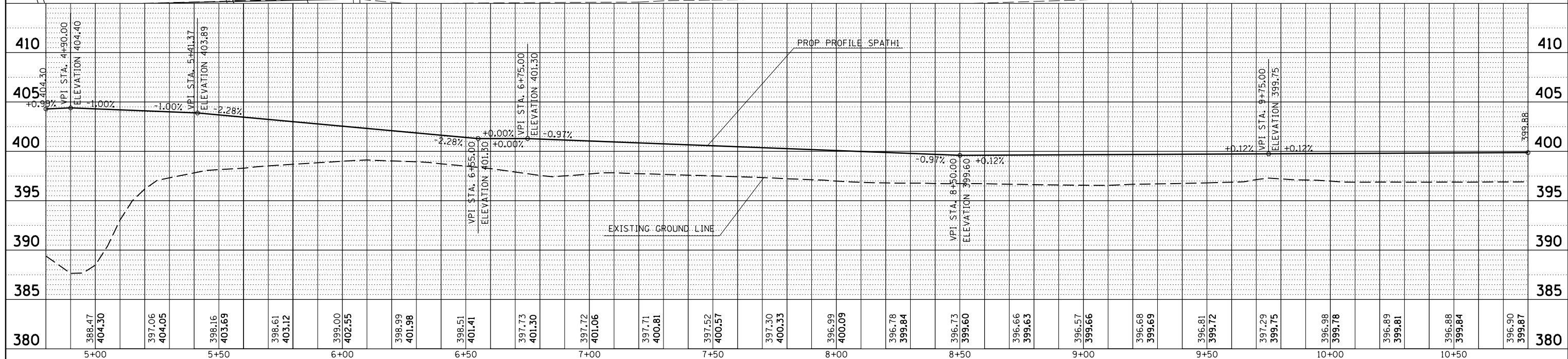
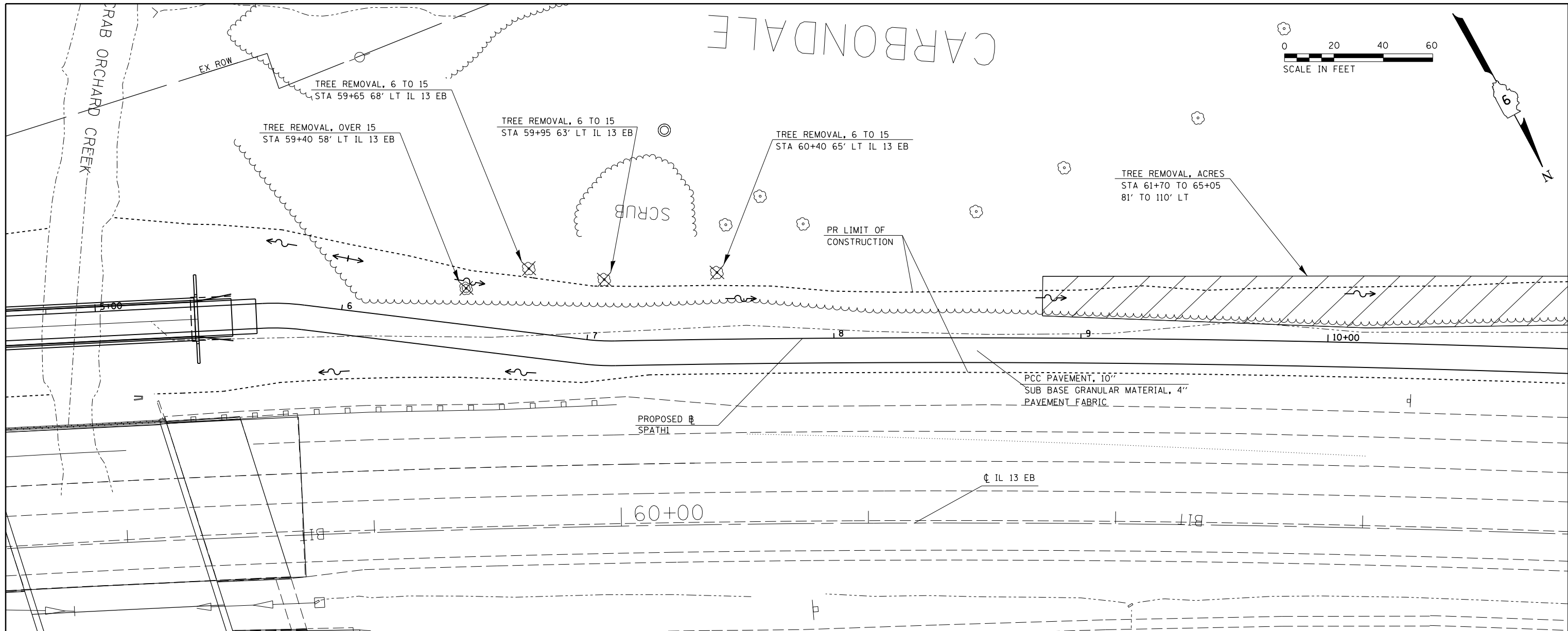
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\$MODELNAME\$	PLOT DATE = 3/27/2015	CHECKED -	REVISED -			CONTRACT NO. 78375					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

CARBONDALE



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	FILE NAME _____	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOTATIONS CHKD	
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	FILE NAME _____	



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		DATE -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - PROFILE
STA 5+00 TO STA 10+50

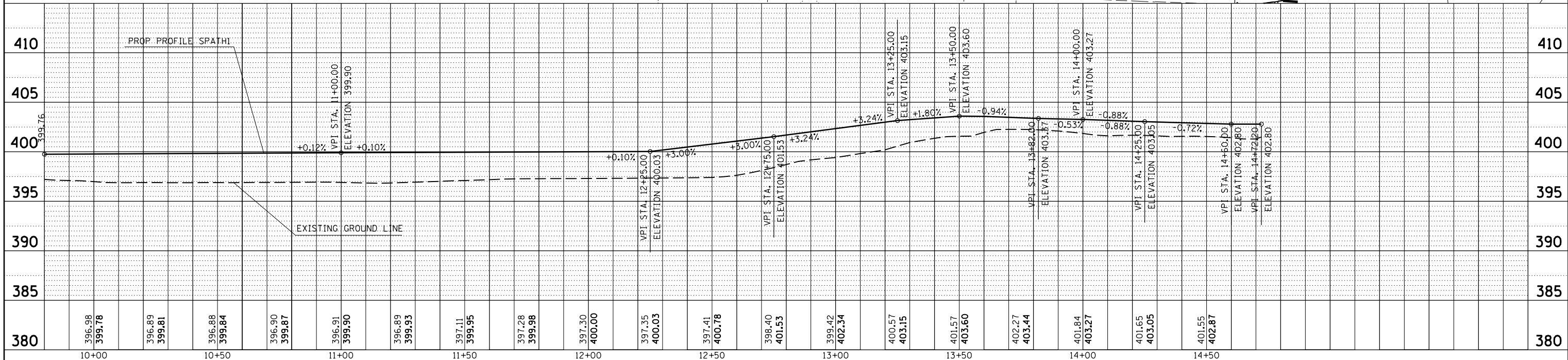
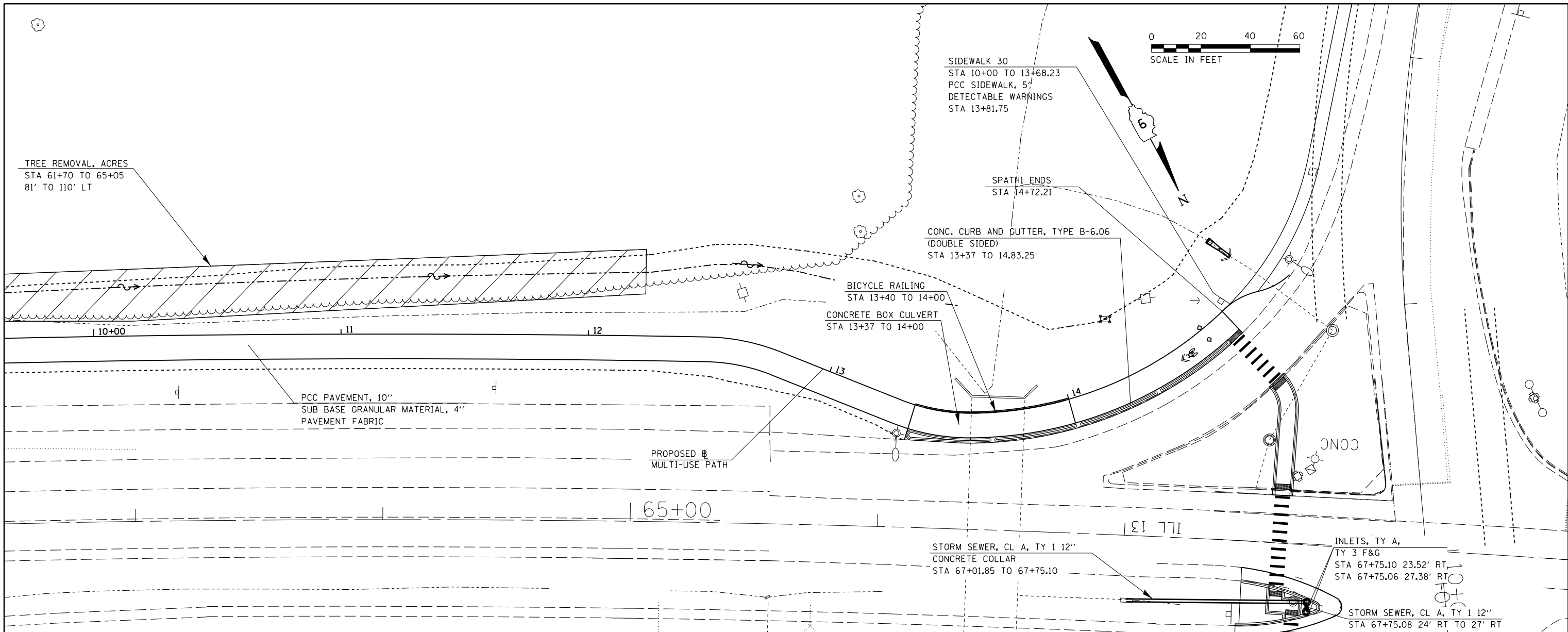
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	30
CONTRACT NO. 78375				

PLAN	SURVEYED	DATE
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	FILE NAME	

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

TREE REMOVAL, ACRES
STA 61+70 TO 65+05
81' TO 110' LT



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN - PROFILE STA 10+00 TO STA 15+50				F.A.P. RTE. 331	SECTION (12-111-6,B-2)	COUNTY JACKSON	TOTAL SHEETS 130	SHEET NO. 31
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		CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT	
\$MODELNAME\$	PLT SCALE = 40.0000' / in.	DATE -	REVISED -									(12-111-6,B-2)	



COMB CONC CURB AND GUTTER TY B-6.24
COMB CURB AND GUTTER REMOVAL
STA 7+69.26 TO STA 7+78.23

STORM SEWER, CL A, TY 1 12"
STA 7+66.02 30' LT TO 25' LT

PCC PAVEMENT, 10"
PAVEMENT FABRIC
SUB BASE GRANULAR MATERIAL, 4"
PAVEMENT REMOVAL
STA 7+53.64 TO 7+78.64

INLETS TO BE RECONSTRUCTED
WITH NEW F&G, SPECIAL
STA 7+68.77 22.89' LT

COMB CONC CURB AND GUTTER TY B-6.24
COMB CURB AND GUTTER REMOVAL
STA 8+50.50 TO STA 8+53.28

PCC PAVEMENT, 10"
PAVEMENT FABRIC
SUB BASE GRANULAR MATERIAL, 4"
PAVEMENT REMOVAL
STA 8+76.06 TO 8+89.08

COMB CONC CURB AND GUTTER TY B-6.24
COMB CURB AND GUTTER REMOVAL
STA 8+80.62 TO STA 8+89.39

PAINT PAVEMENT MARKING
LINE 12" (WHITE)
STA 7+10.44 TO 7+67.32 LT

INLETS, TY A, TY 3 F&G
STA 7+66.02, 29.95' LT

SIDEWALK 1
PCC SIDEWALK, 5"
STA 10+03.02 TO 10+98.87
DETECTABLE WARNINGS
STA 10+04.71, STA 10+97.79

PAINT PAVEMENT MARKING
LTRS & SYM
STA 10+10

BOLLARDS
STA 10+25

EMERALD AVENUE

STORM SEWER, CL A, TY 1 12"
STA 7+70 21' LT TO 16' LT

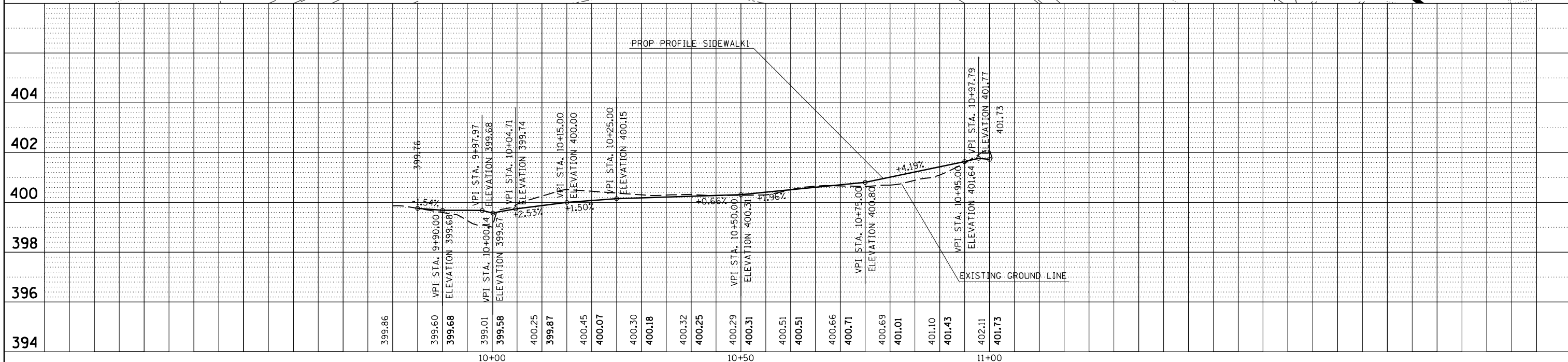
INLETS, TY A, TY 3 F&G
STA 7+76.02 16.38 LT

FOLD DOWN BOLLARD
STA 10+25

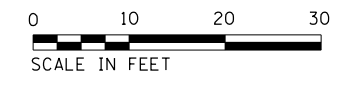
CONC

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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

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	NOTE BOOK NO.	
	BY	

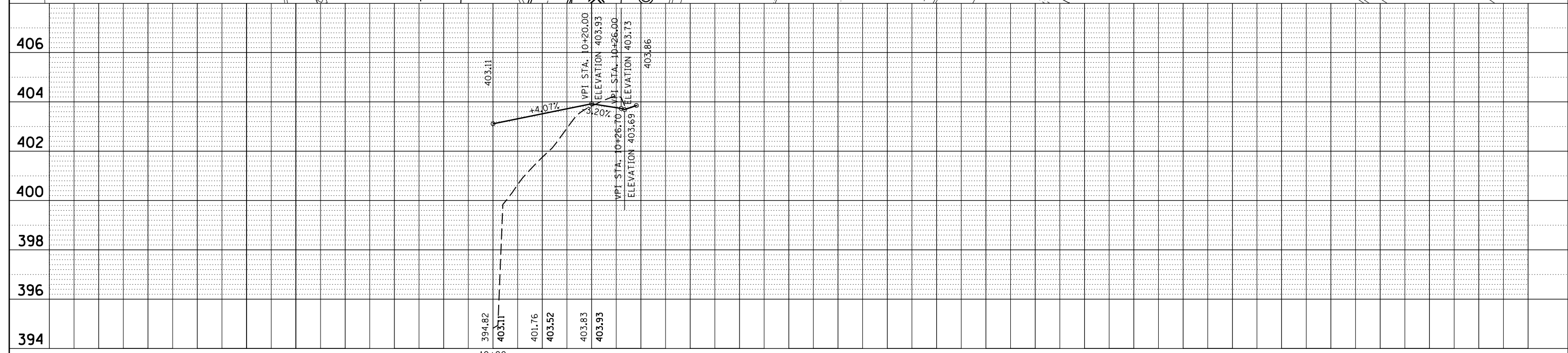
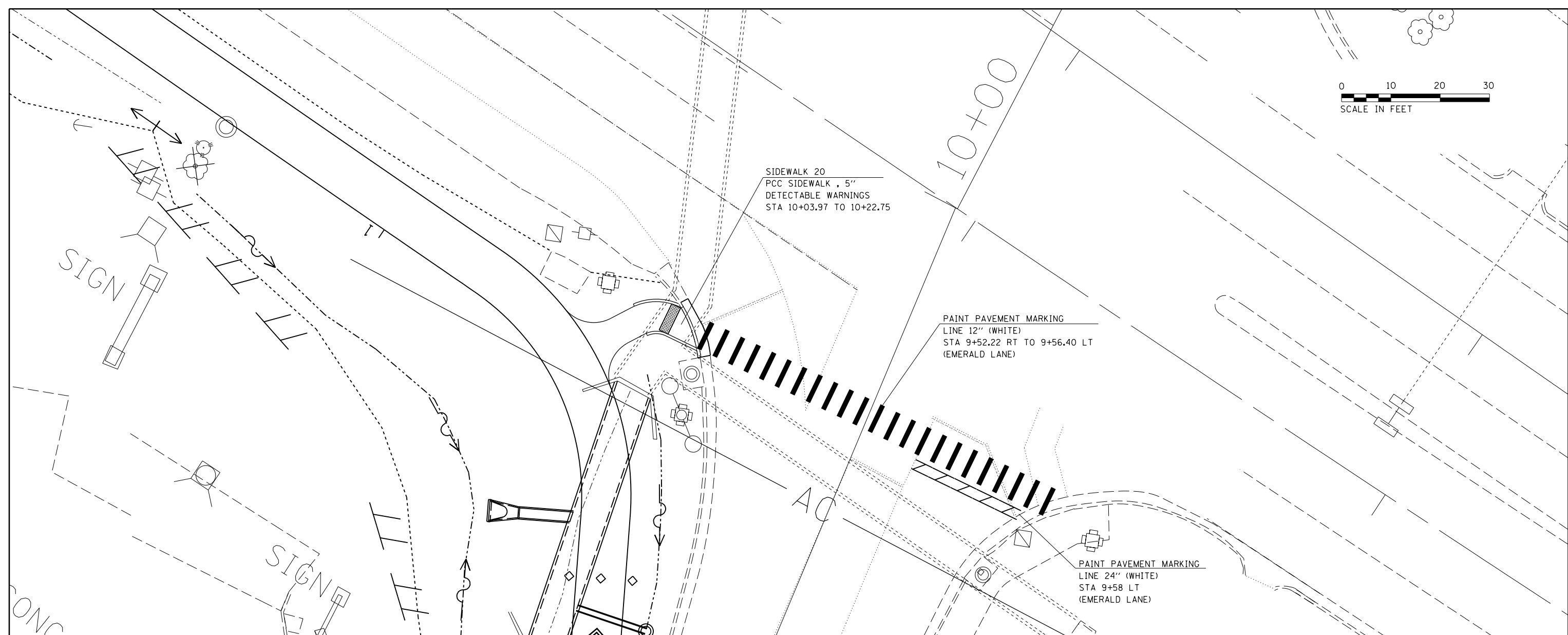


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PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 78375				
DATE = 3/27/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



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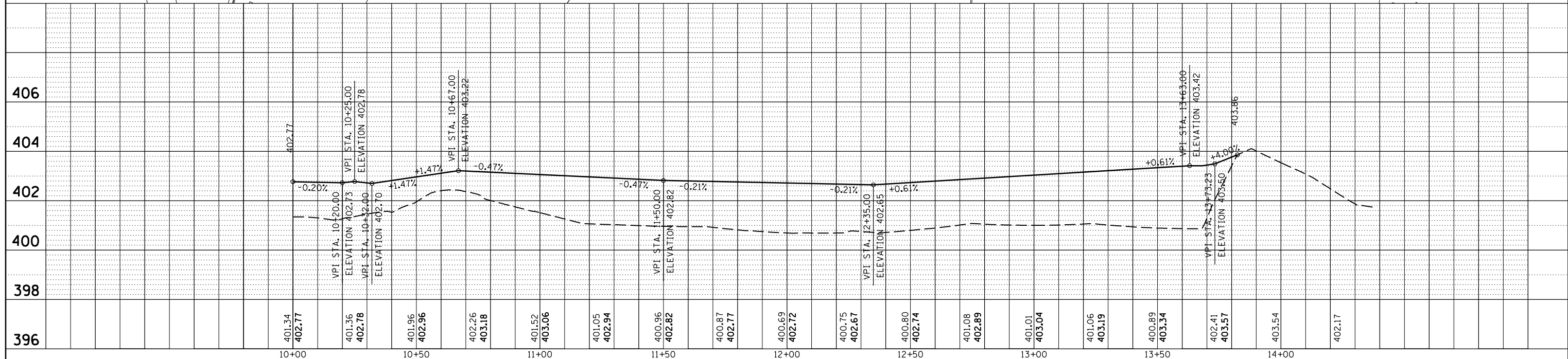
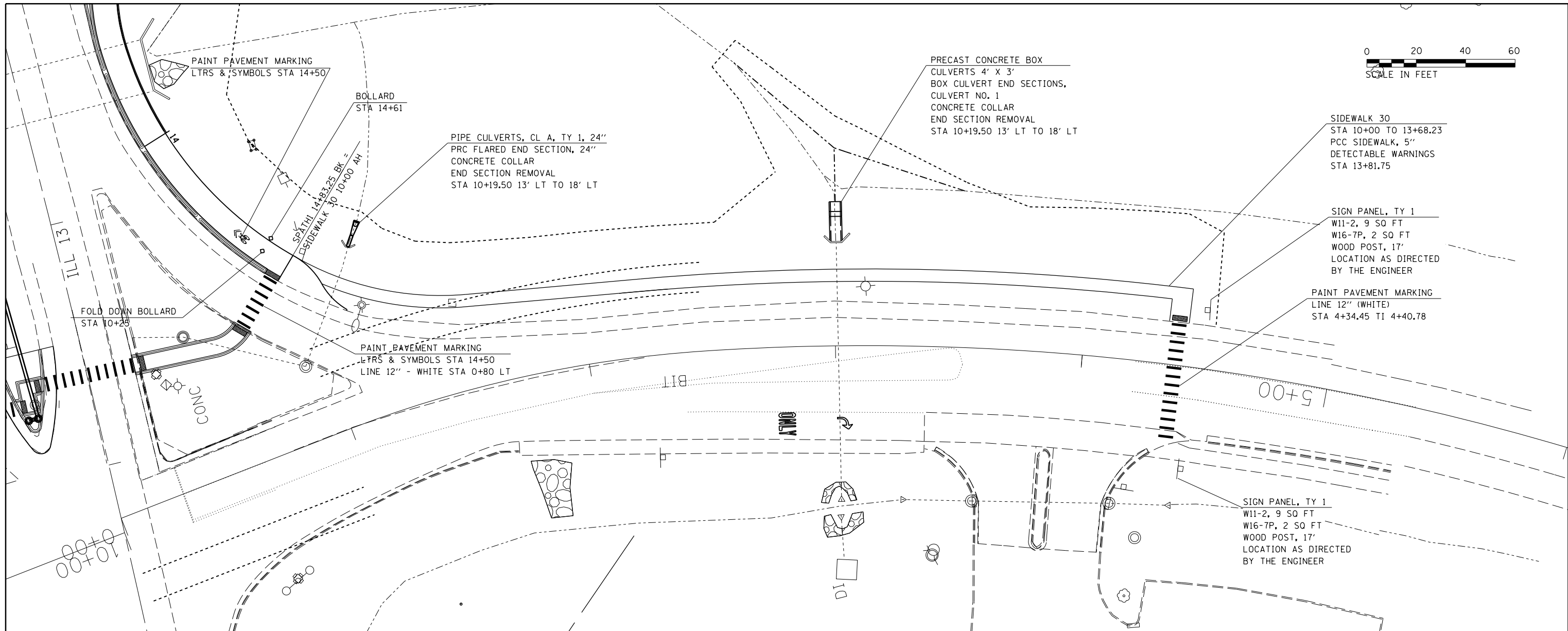
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	STRUCTURE	
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	PLLOT DATE = 3/27/2015	DATE -	REVISD -			ILLINOIS FED. AID PROJECT (12-11)-6,B-2					

PLAN	SURVEYED	BY	DATE
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	NOTE BOOK NO.		
	CADD FILE NAME		

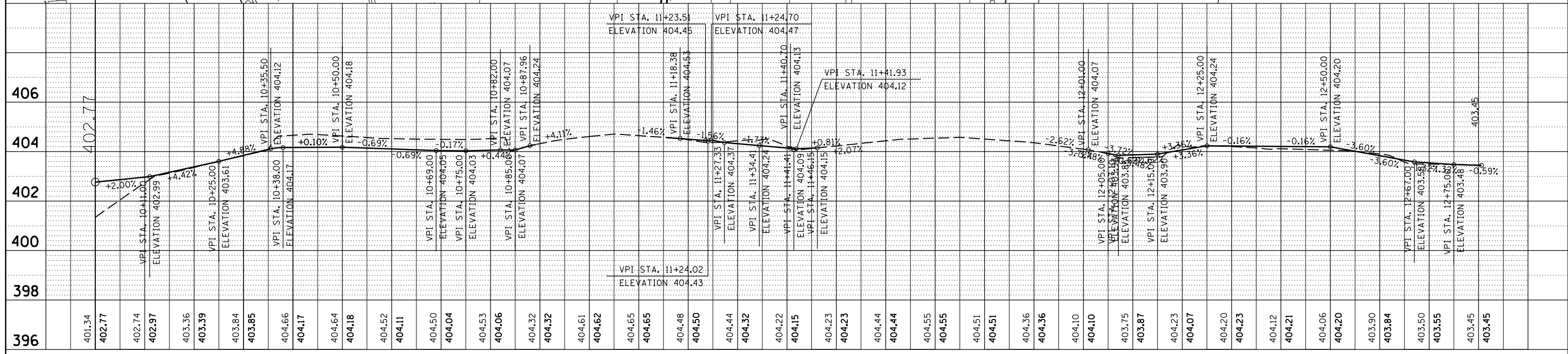
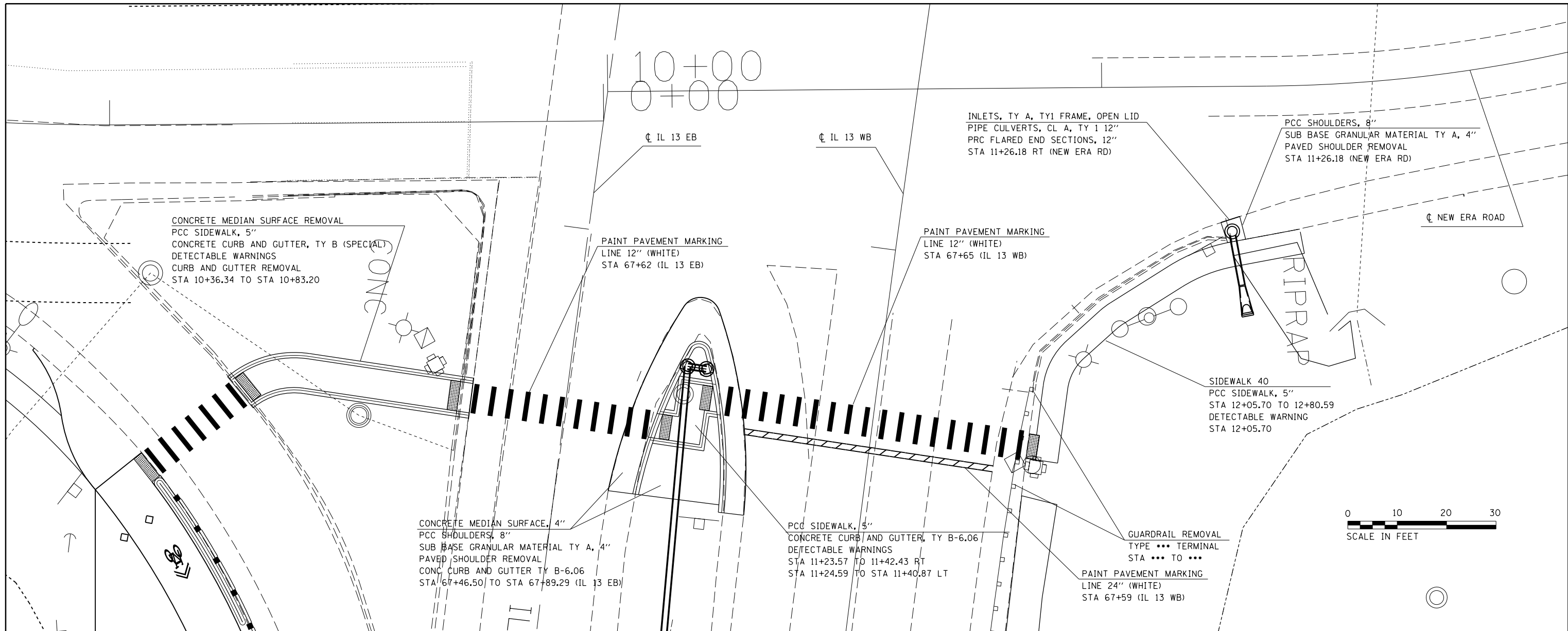
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	CADD FILE NAME		



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\$MODELNAME\$	PLOT DATE = 3/27/2015	CHECKED -	REVISED -			CONTRACT NO. 78375		ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

PLAN	SURVEYED	DATE
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NOTE BOOK NO.	CADD FILE NAME	

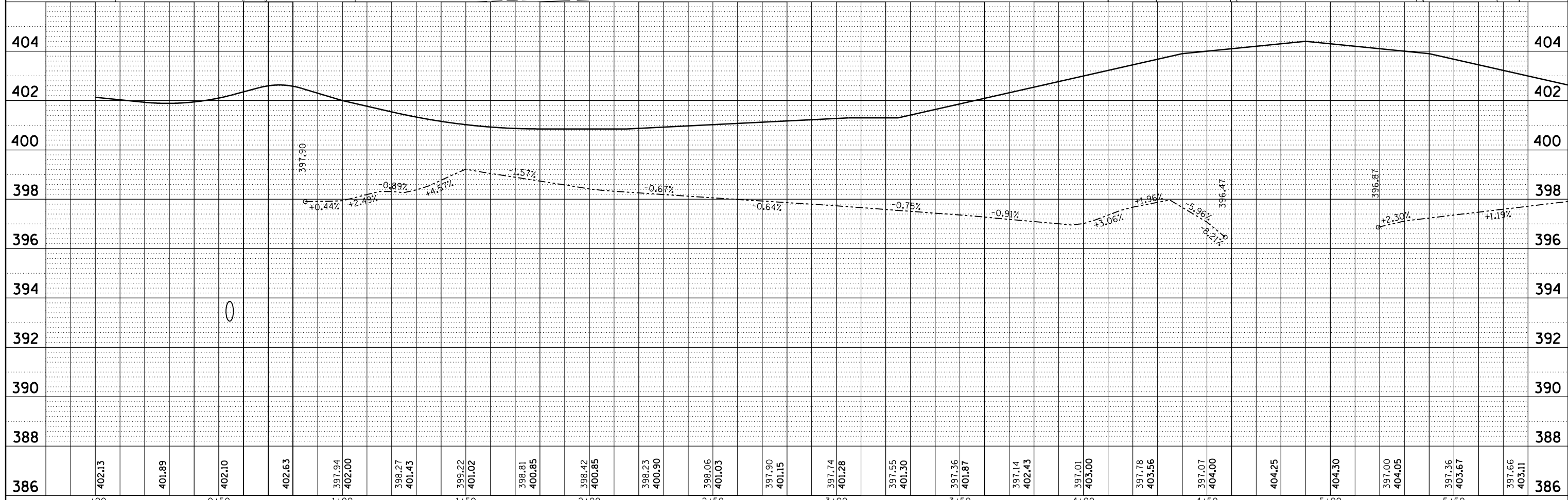
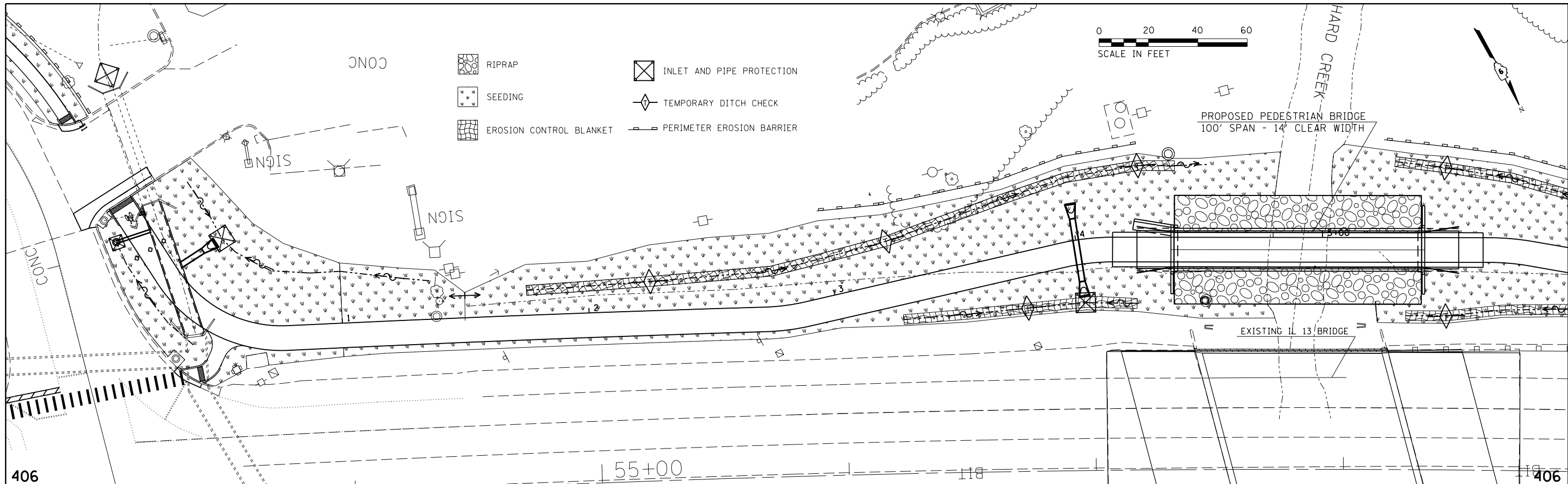
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NOTE BOOK NO.	CADD FILE NAME	



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		CHECKED -	REVISED -					CONTRACT NO. 78375				
\$MODELNAME\$		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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	FILE NAME	

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



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		DATE -	REVISÉD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

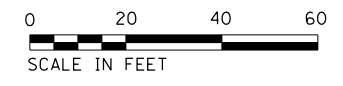
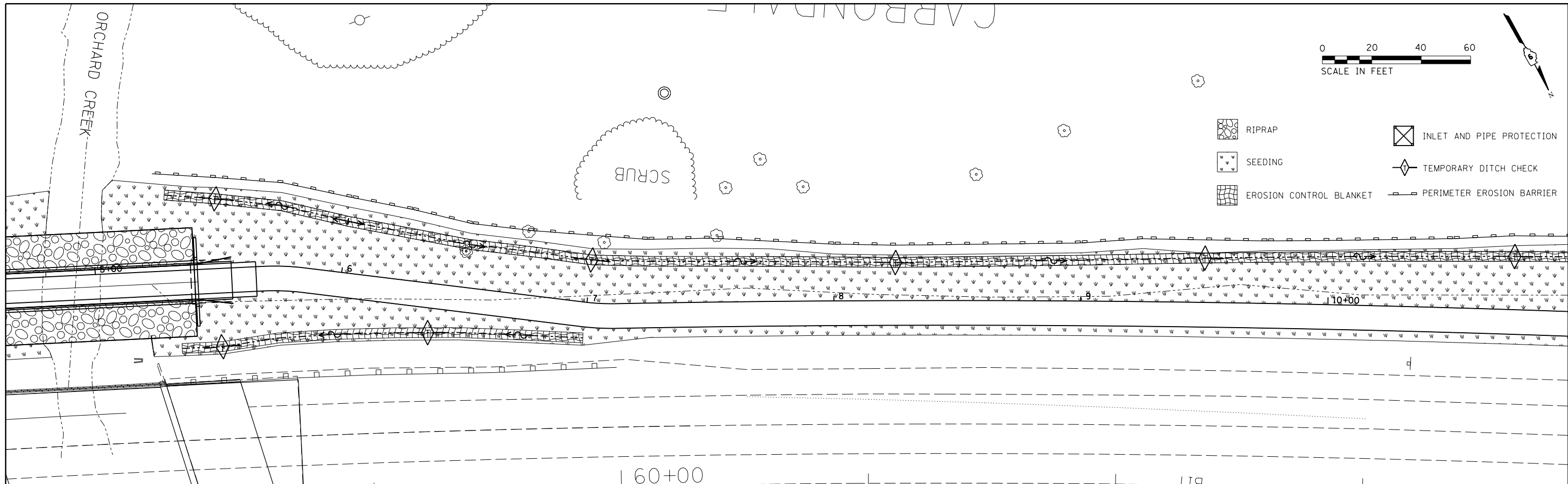
**EROSION CONTROL PLAN
& DITCH PROFILES**

SCALE: SHEET OF SHEETS STA. TO STA.

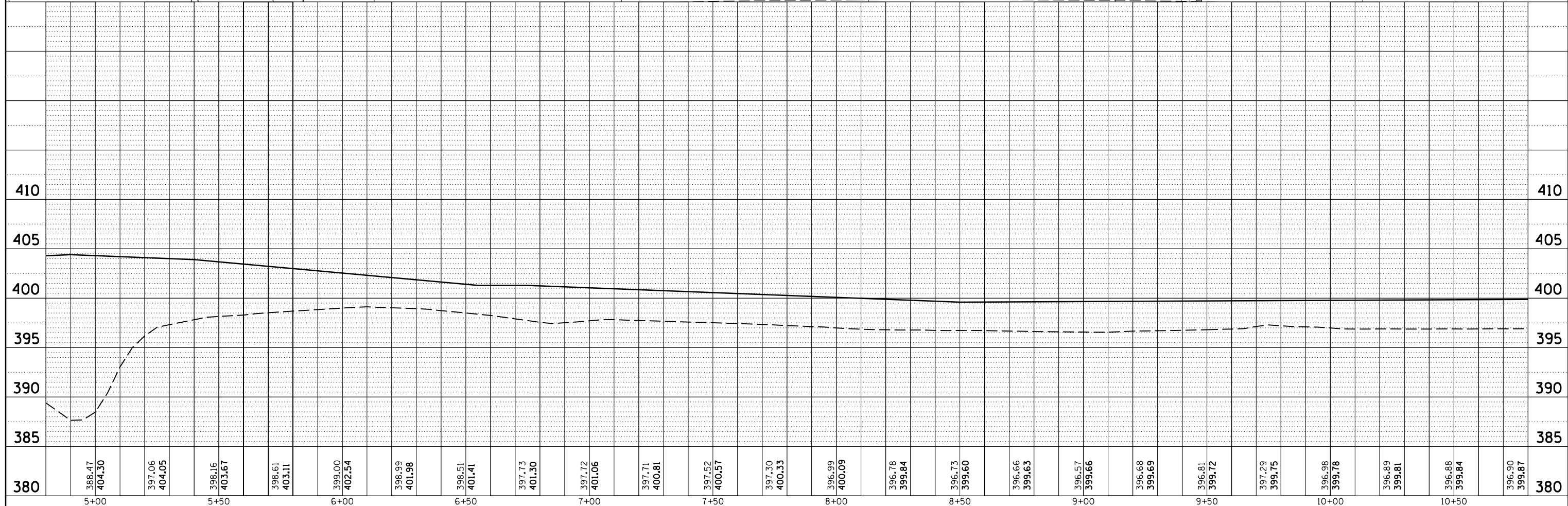
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331	(12-11)-6,B-2	JACKSON	130	36
CONTRACT NO. 78375				

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	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO.	



- RIPRAP
- SEEDING
- EROSION CONTROL BLANKET
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER



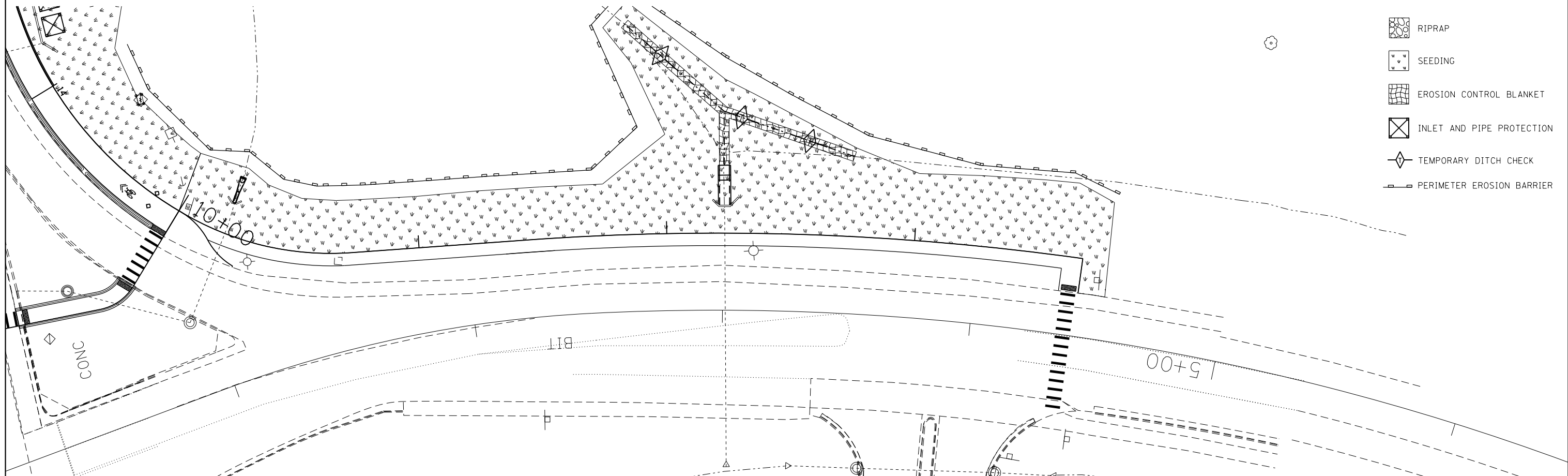
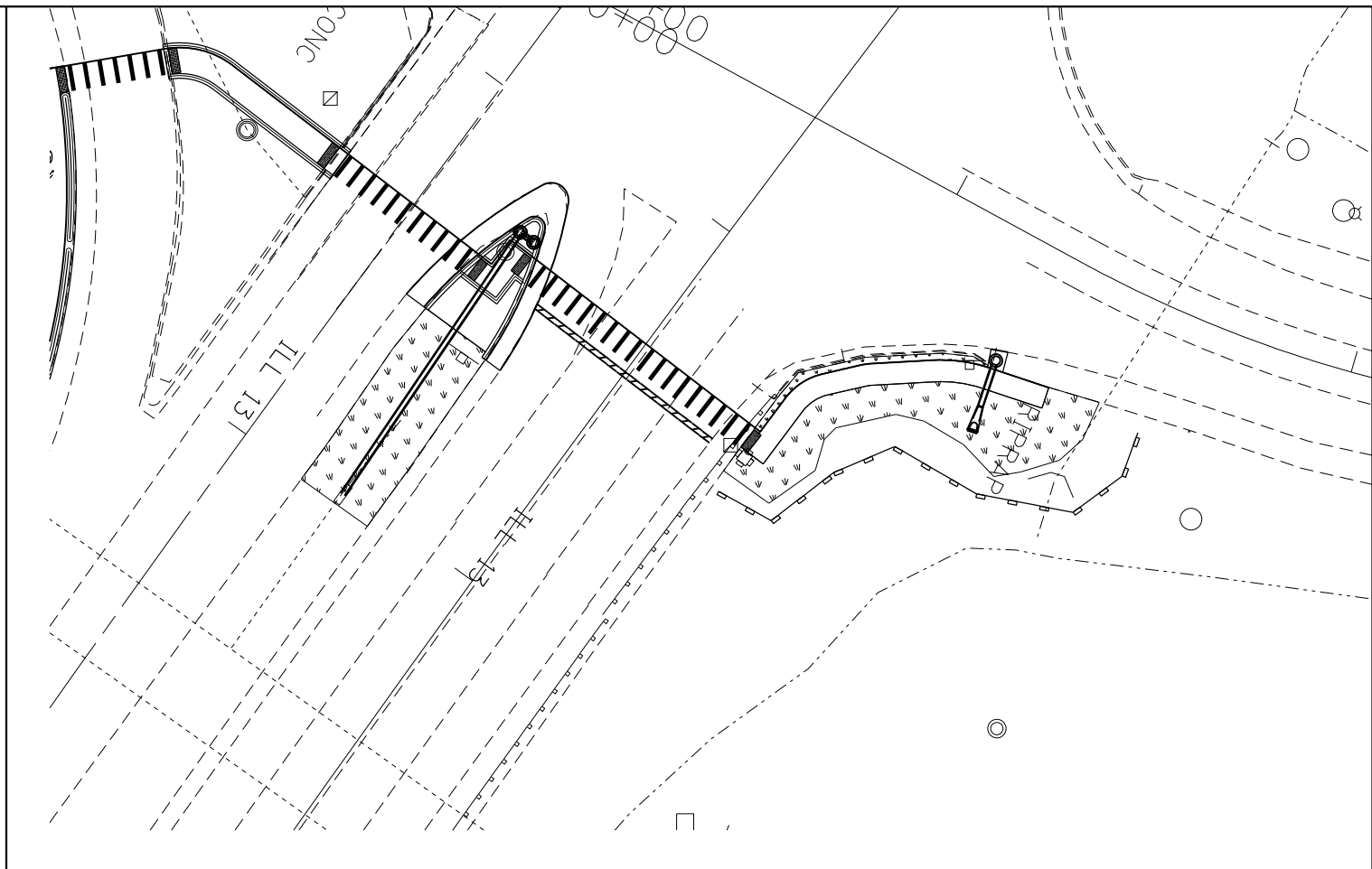
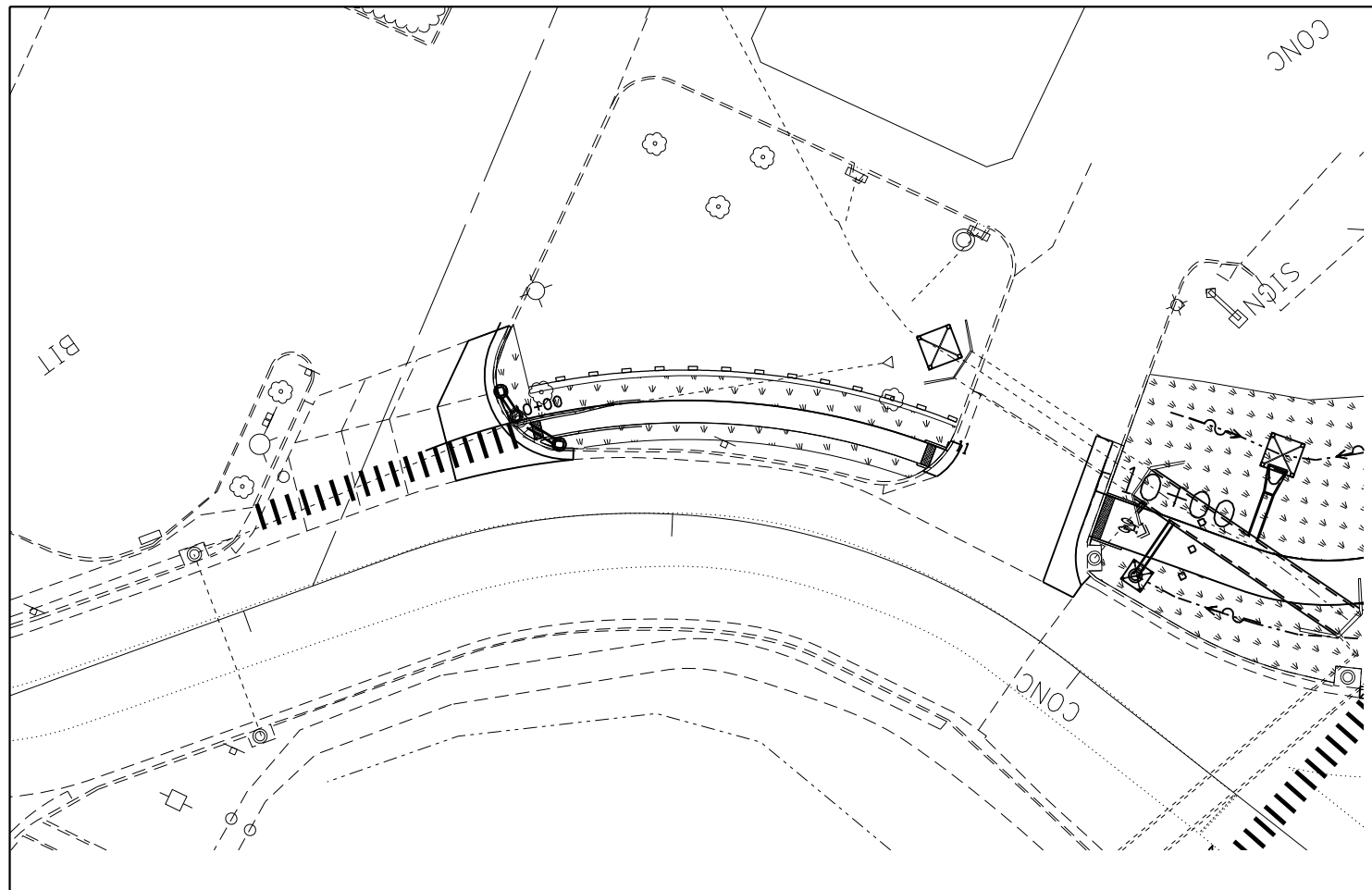
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	PLOT DATE = 3/27/2015	DATE -	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
& DITCH PROFILES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)1-6,B-2	JACKSON	130	37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	



-  RIPRAP
-  SEEDING
-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

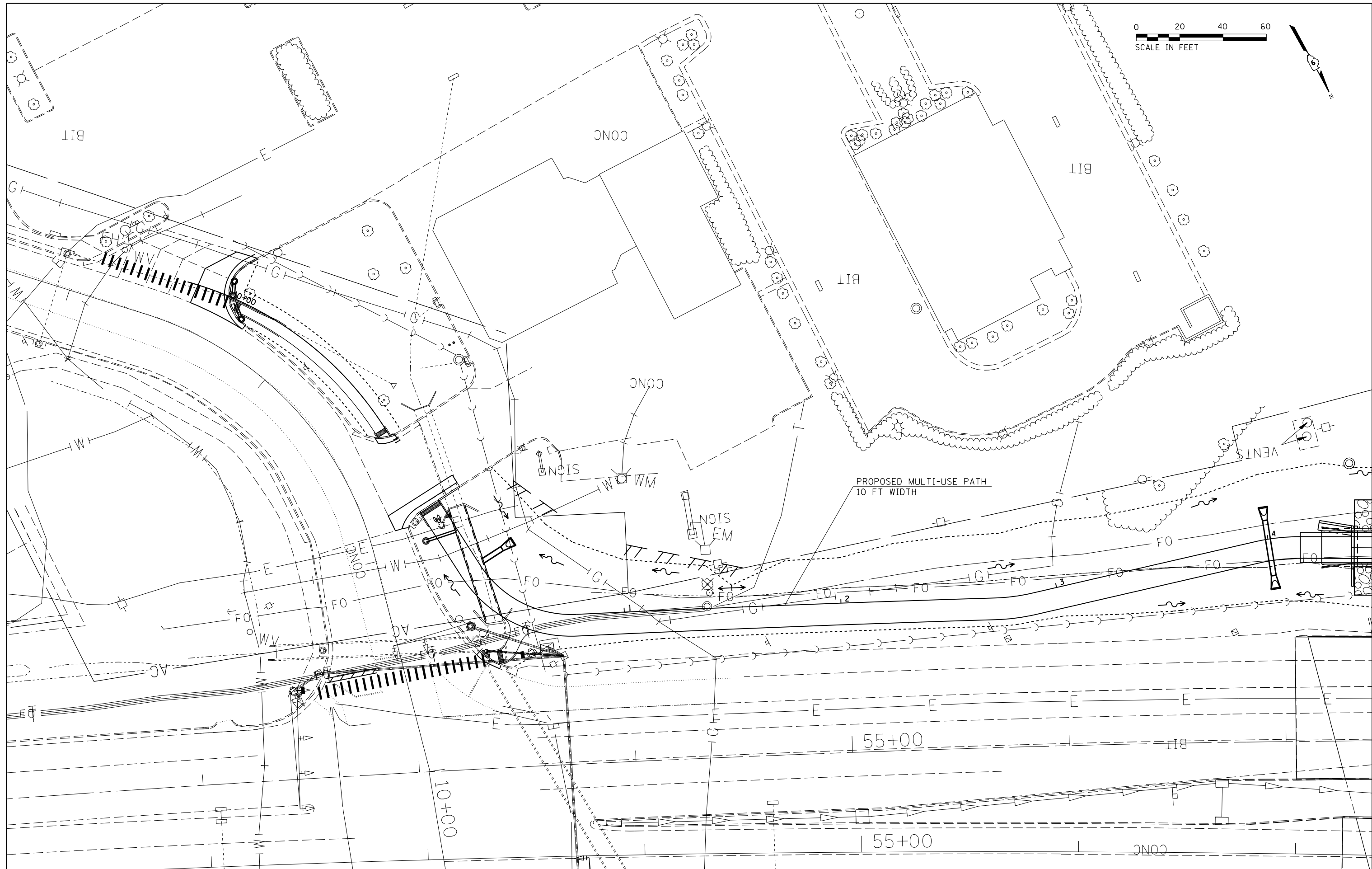
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

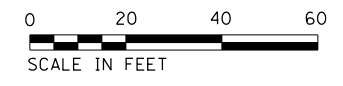
EROSION CONTROL PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	

(12-1)I-6,B-2



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UTILITIES				F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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\$MODELNAME\$		CHECKED -	REVISED -											CONTRACT NO. 78375	
	PLOT DATE = 3/27/2015	DATE -	REVISED -											ILLINOIS FED. AID PROJECT	



CARBONDALE

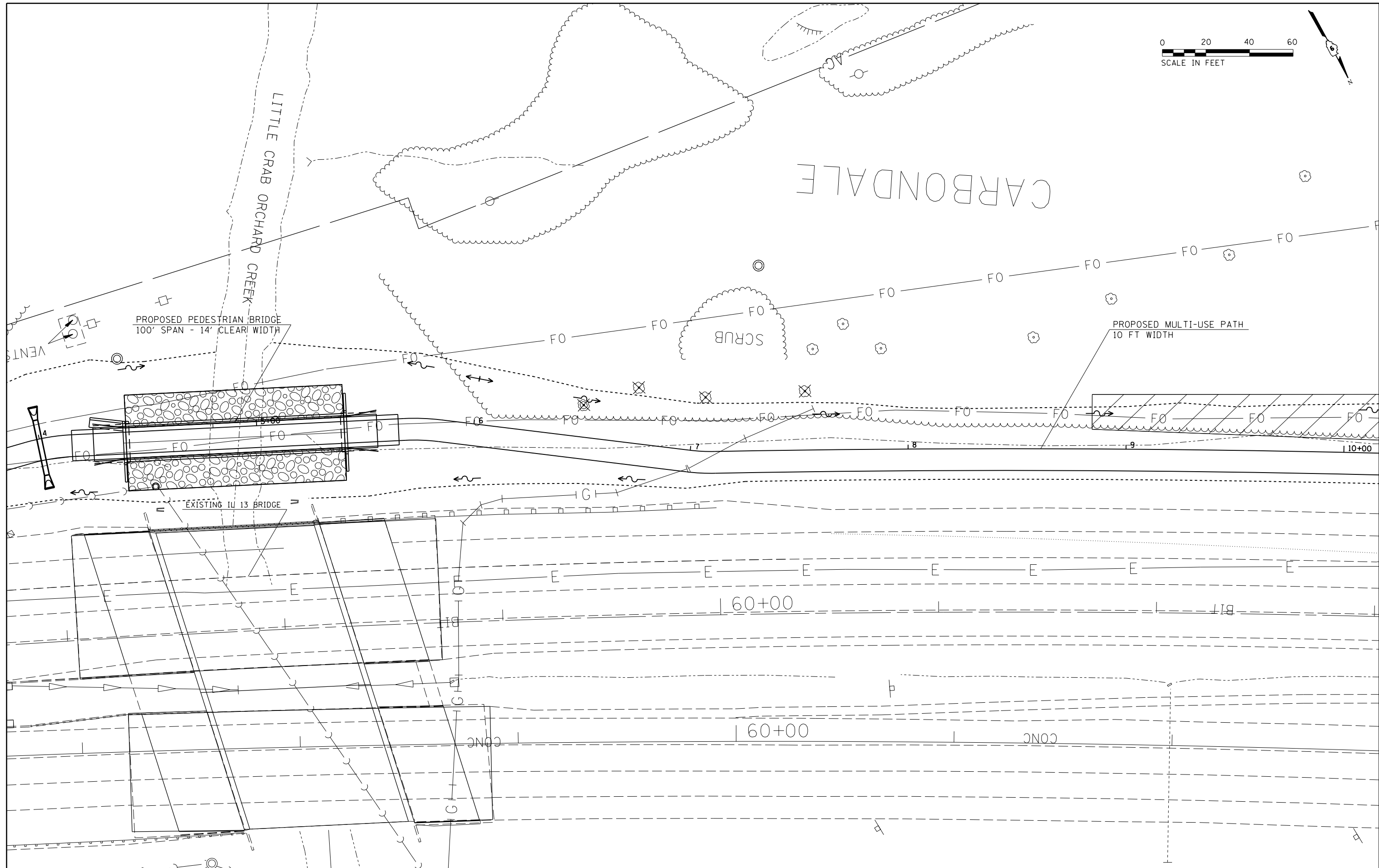
LITTLE CRAB ORCHARD CREEK

SCRUB

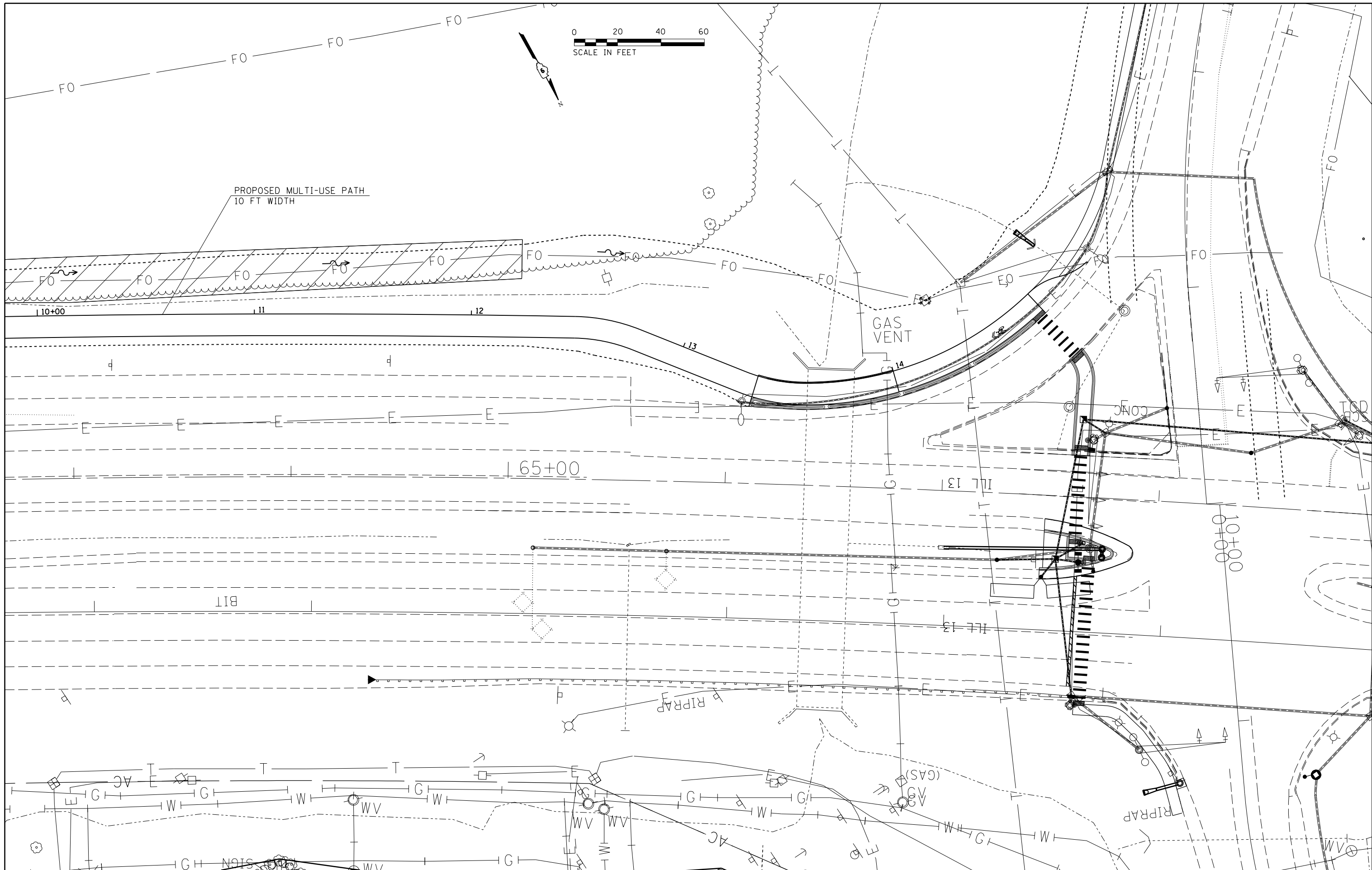
PROPOSED PEDESTRIAN BRIDGE
100' SPAN - 14' CLEAR WIDTH

PROPOSED MULTI-USE PATH
10 FT WIDTH

EXISTING I13 BRIDGE



FILE NAME = c:\pwork\pwork\lavenderba\d0349233\78375-shite-erosion_drainage_util.dgn	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UTILITIES				F.A.P. RTE. 331	SECTION (12-1)I-6,B-2	COUNTY JACKSON	TOTAL SHEETS 130	SHEET NO. 41
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 78375		
	PLOT DATE = 3/27/2015	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -								(12-1)I-6,B-2		



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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\$MODELNAME\$	PLOT DATE = 3/27/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET		OF		SHEETS		STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	42
CONTRACT NO. 78375				



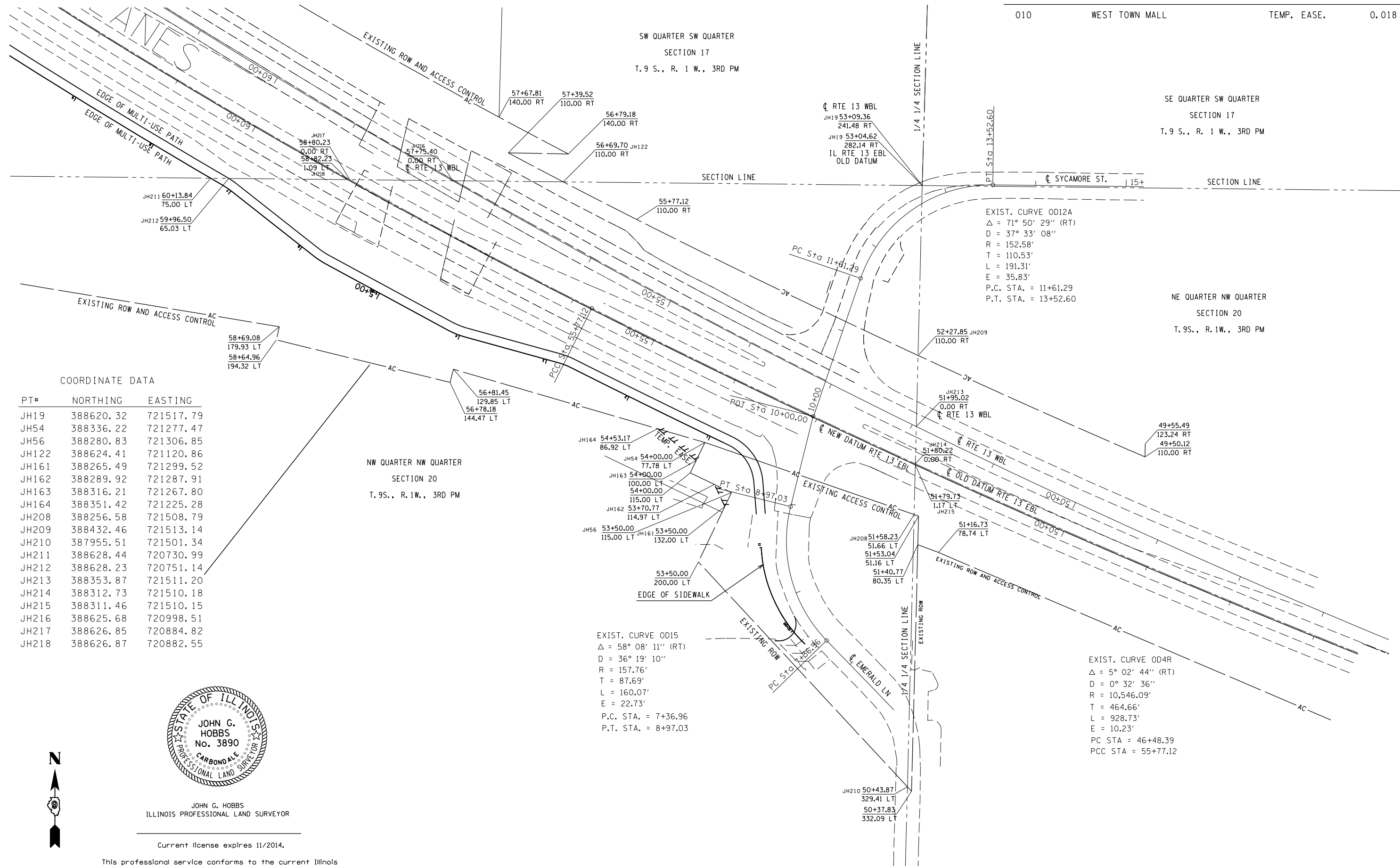
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		CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 3/27/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

UTILITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	

PARCEL	PROPERTY OWNER	PURPOSE	ACREAGE
010	WEST TOWN MALL	TEMP. EASE.	0.018



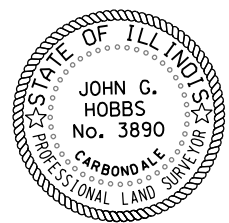
EXIST. CURVE OD12A
 $\Delta = 71^\circ 50' 29''$ (RT)
 $D = 37^\circ 33' 08''$
 $R = 152.58'$
 $T = 110.53'$
 $L = 191.31'$
 $E = 35.83'$
P.C. STA. = 11+61.29
P.T. STA. = 13+52.60

EXIST. CURVE OD15
 $\Delta = 58^\circ 08' 11''$ (RT)
 $D = 36^\circ 19' 10''$
 $R = 157.76'$
 $T = 87.69'$
 $L = 160.07'$
 $E = 22.73'$
P.C. STA. = 7+36.96
P.T. STA. = 8+97.03

EXIST. CURVE OD4R
 $\Delta = 5^\circ 02' 44''$ (RT)
 $D = 0^\circ 32' 36''$
 $R = 10,546.09'$
 $T = 464.66'$
 $L = 928.73'$
 $E = 10.23'$
PC STA = 46+48.39
PCC STA = 55+77.12

COORDINATE DATA

PT#	NORTHING	EASTING
JH19	388620.32	721517.79
JH54	388336.22	721277.47
JH56	388280.83	721306.85
JH122	388624.41	721120.86
JH161	388265.49	721299.52
JH162	388289.92	721287.91
JH163	388316.21	721267.80
JH164	388351.42	721225.28
JH208	388256.58	721508.79
JH209	388432.46	721513.14
JH210	387955.51	721501.34
JH211	388628.44	720730.99
JH212	388628.23	720751.14
JH213	388353.87	721511.20
JH214	388312.73	721510.18
JH215	388311.46	721510.15
JH216	388625.68	720998.51
JH217	388626.85	720884.82
JH218	388626.87	720882.55



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

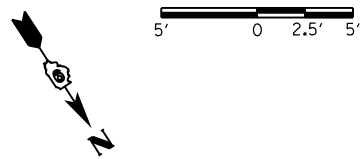
Current license expires 11/2014.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

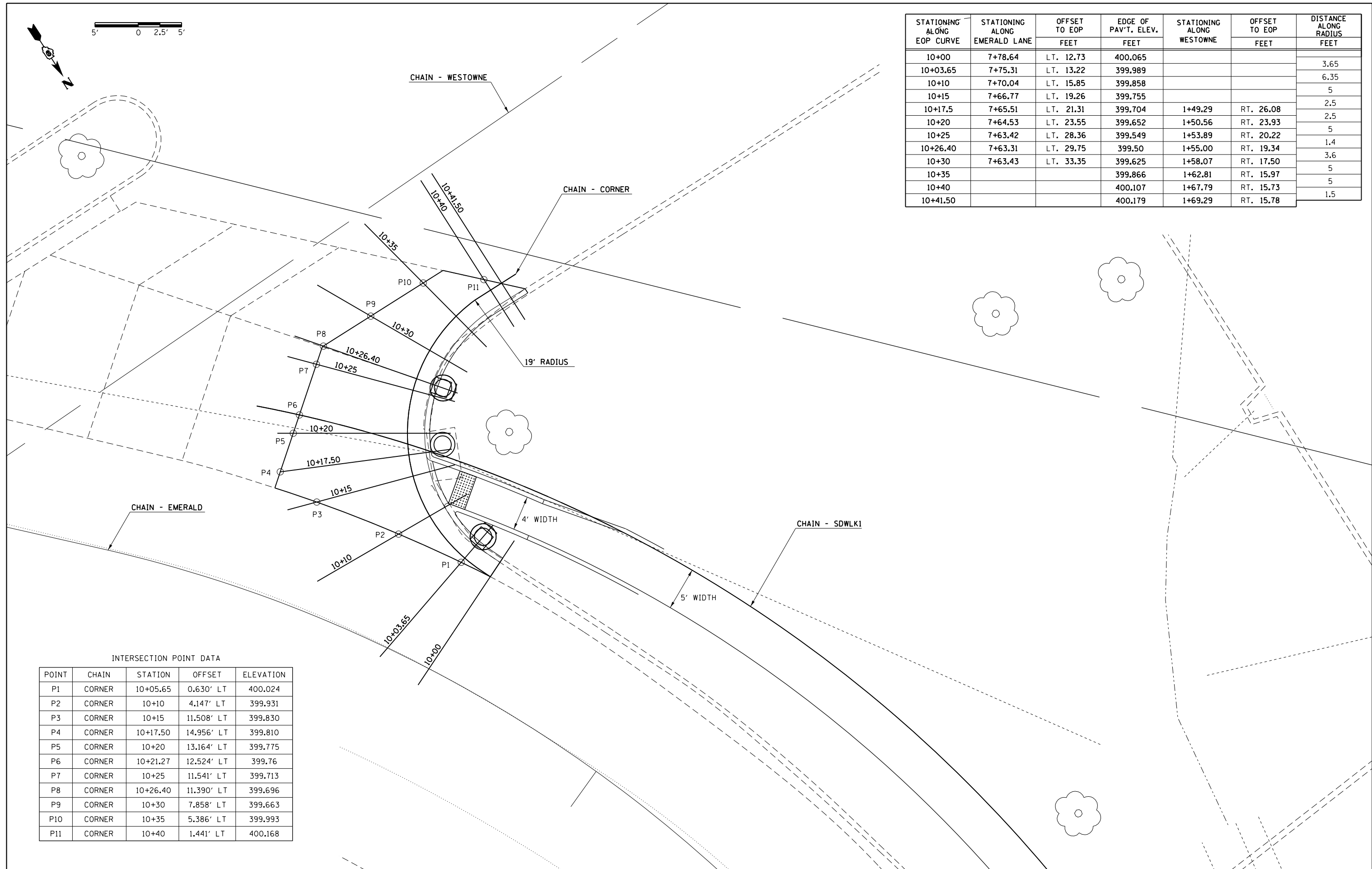
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\$MODELNAME\$		CHECKED -	REVISED -			IL RTE 13 EBL				CONTRACT NO. 78375
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. 50+00.00 TO STA. 60+00.00

(12-11)-6,B-2



STATIONING ALONG EOP CURVE	STATIONING ALONG EMERALD LANE	OFFSET TO EOP	EDGE OF PAV'T. ELEV.	STATIONING ALONG WESTOWNE	OFFSET TO EOP	DISTANCE ALONG RADIUS
		FEET	FEET		FEET	
10+00	7+78.64	LT. 12.73	400.065			
10+03.65	7+75.31	LT. 13.22	399.989			3.65
10+10	7+70.04	LT. 15.85	399.858			6.35
10+15	7+66.77	LT. 19.26	399.755			5
10+17.5	7+65.51	LT. 21.31	399.704	1+49.29	RT. 26.08	2.5
10+20	7+64.53	LT. 23.55	399.652	1+50.56	RT. 23.93	2.5
10+25	7+63.42	LT. 28.36	399.549	1+53.89	RT. 20.22	5
10+26.40	7+63.31	LT. 29.75	399.50	1+55.00	RT. 19.34	1.4
10+30	7+63.43	LT. 33.35	399.625	1+58.07	RT. 17.50	3.6
10+35			399.866	1+62.81	RT. 15.97	5
10+40			400.107	1+67.79	RT. 15.73	5
10+41.50			400.179	1+69.29	RT. 15.78	1.5



INTERSECTION POINT DATA

POINT	CHAIN	STATION	OFFSET	ELEVATION
P1	CORNER	10+05.65	0.630' LT	400.024
P2	CORNER	10+10	4.147' LT	399.931
P3	CORNER	10+15	11.508' LT	399.830
P4	CORNER	10+17.50	14.956' LT	399.810
P5	CORNER	10+20	13.164' LT	399.775
P6	CORNER	10+21.27	12.524' LT	399.76
P7	CORNER	10+25	11.541' LT	399.713
P8	CORNER	10+26.40	11.390' LT	399.696
P9	CORNER	10+30	7.858' LT	399.663
P10	CORNER	10+35	5.386' LT	399.993
P11	CORNER	10+40	1.441' LT	400.168

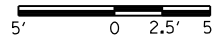
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Default	PLOT SCALE = 10.0000' / 1" / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

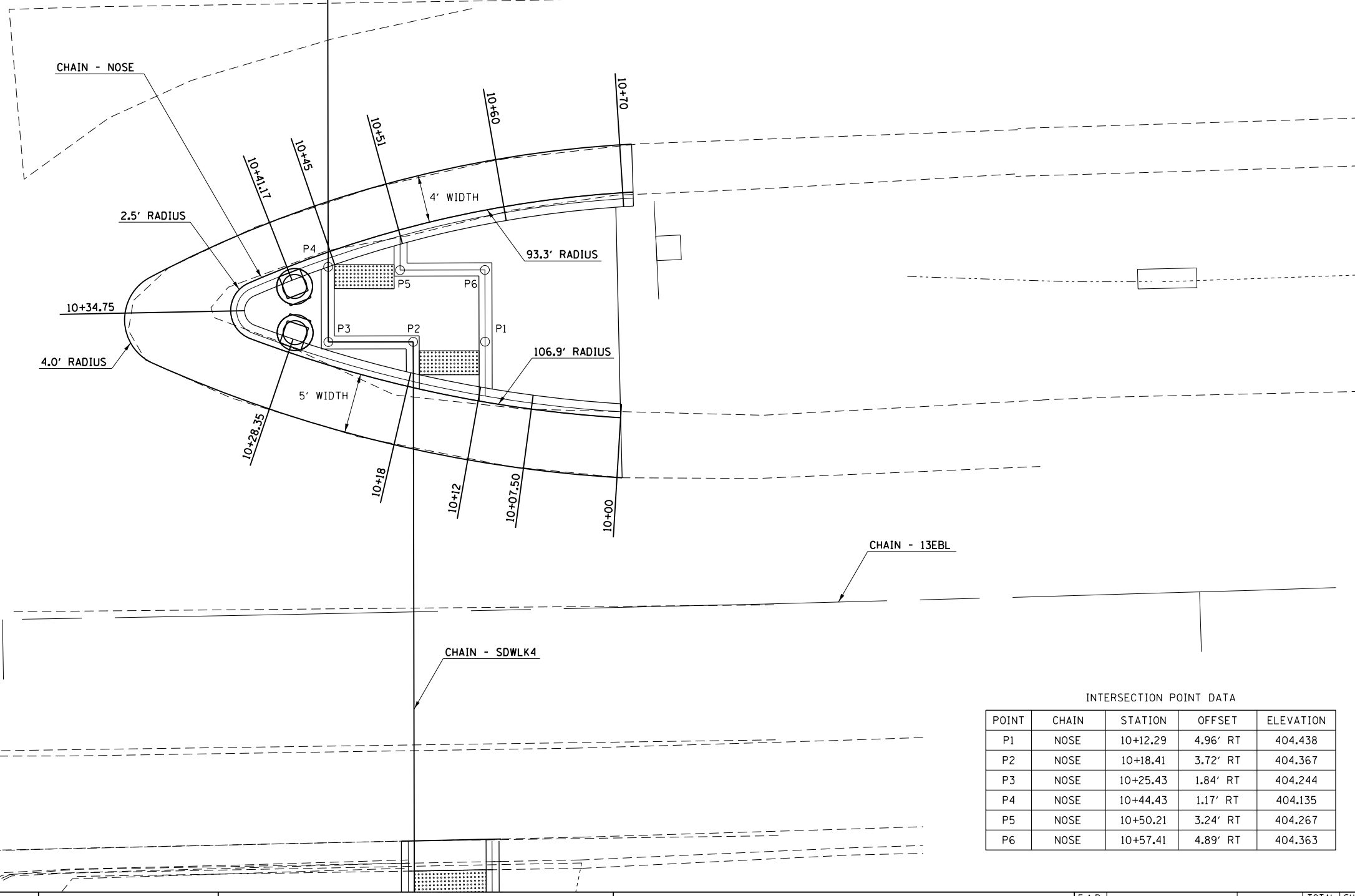
**"CORNER" CHAIN - INTERSECTION
AND ELEVATION PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	45
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	



STATIONING ALONG EOS CURVE	STATIONING ALONG IL 13 EB	OFFSET TO EOS	EDGE OF SHLD. ELEV.	STATIONING ALONG IL 13 WB	OFFSET TO EOS	DISTANCE ALONG RADIUS FEET
		FEET	FEET		FEET	
10+00	67+47.99	RT. 15.83	404.46			7.5
10+07.50	67+55.45	RT. 16.73	404.50			4.5
10+12	67+59.89	RT. 17.51	404.48			6.0
10+18	67+65.76	RT. 18.84	404.45			10.35
10+28.35	67+75.68	RT. 21.89	404.285	67+71.74	LT. 40.23	6.4
10+34.75	67+80.47	RT. 25.43	404.193	67+76.49	LT. 36.69	6.42
10+41.17	67+75.67	RT. 29.00	404.10	67+71.74	LT. 33.12	3.83
10+45			404.118	67+68.13	LT. 31.87	6.0
10+51			404.15	67+62.39	LT. 30.22	9.0
10+60			404.25	67+53.61	LT. 28.45	10
10+70			404.20	67+43.70	LT. 27.51	

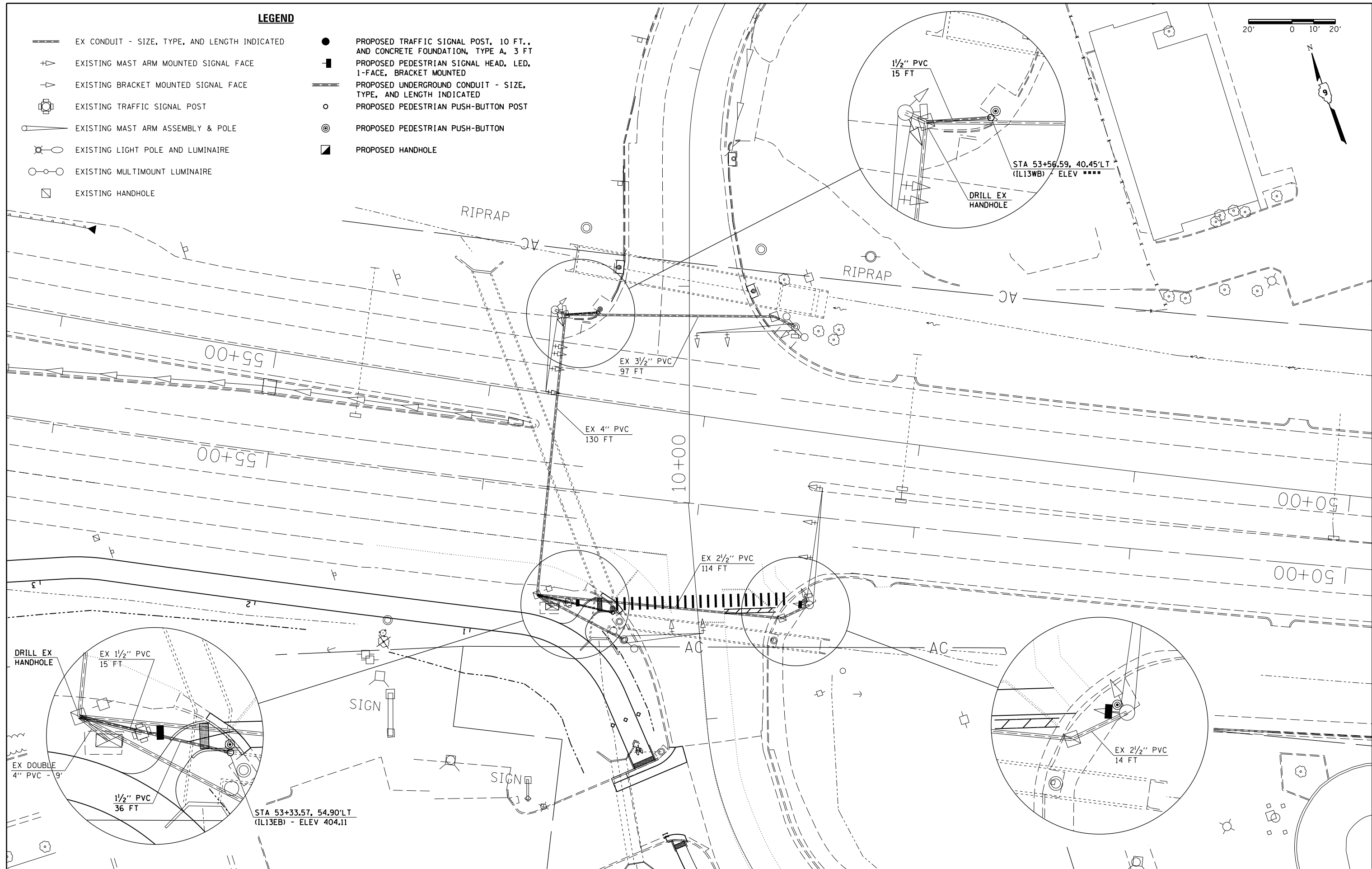
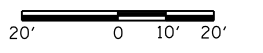


INTERSECTION POINT DATA

POINT	CHAIN	STATION	OFFSET	ELEVATION
P1	NOSE	10+12.29	4.96' RT	404.438
P2	NOSE	10+18.41	3.72' RT	404.367
P3	NOSE	10+25.43	1.84' RT	404.244
P4	NOSE	10+44.43	1.17' RT	404.135
P5	NOSE	10+50.21	3.24' RT	404.267
P6	NOSE	10+57.41	4.89' RT	404.363

LEGEND

- EX CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- ⊕ EXISTING MAST ARM MOUNTED SIGNAL FACE
- ⊖ EXISTING BRACKET MOUNTED SIGNAL FACE
- ⊕ EXISTING TRAFFIC SIGNAL POST
- ⊕ EXISTING MAST ARM ASSEMBLY & POLE
- ⊕ EXISTING LIGHT POLE AND LUMINAIRE
- ⊕ EXISTING MULTIMOUNT LUMINAIRE
- ⊕ EXISTING HANDHOLE
- PROPOSED TRAFFIC SIGNAL POST, 10 FT., AND CONCRETE FOUNDATION, TYPE A, 3 FT
- PROPOSED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
- PROPOSED UNDERGROUND CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- PROPOSED PEDESTRIAN PUSH-BUTTON POST
- ⊙ PROPOSED PEDESTRIAN PUSH-BUTTON
- PROPOSED HANDHOLE



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

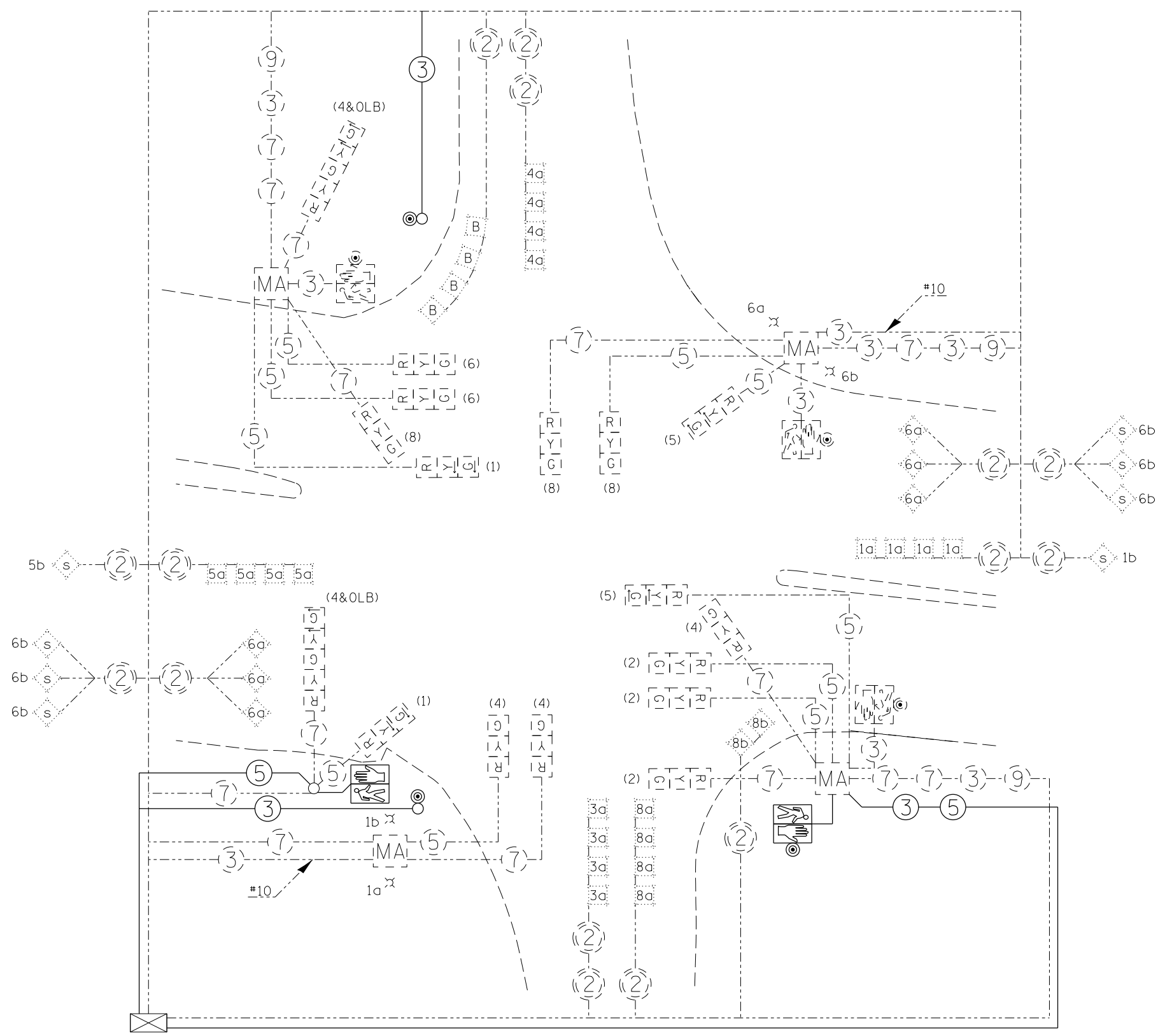
**EMERALD LN /SYCAMORE - IL 13 INTERSECTION
TRAFFIC SIGNAL PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	47
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

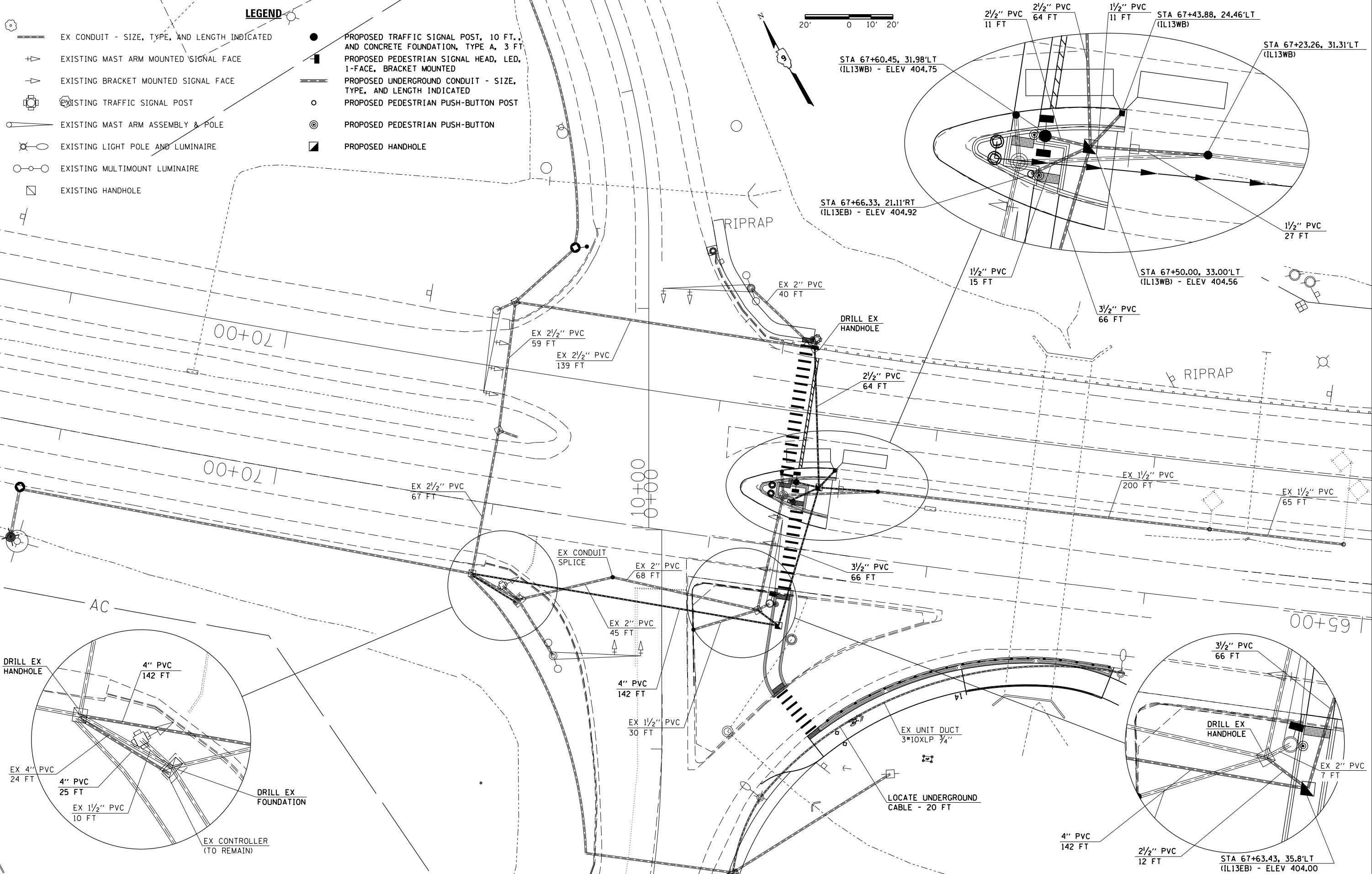
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

- PROP. PEDESTRIAN PUSH BUTTON POLE
- ⊙ PROP. PEDESTRIAN PUSH BUTTON
-  PROP. PEDESTRIAN SIGNAL HEAD
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
-  EXIST. TRAFFIC SIGNAL CONTROLLER CABINET
-  EXIST. LUMINAIRE
- ⊙ EXIST. PEDESTRIAN PUSH BUTTON
- EXIST. SIGNAL POLE
-  EXIST. PEDESTRIAN SIGNAL HEAD
-  EXIST. MAST ARM
-  INDICATES 6'X6' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
-  INDICATES 5'X5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.

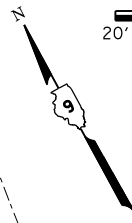
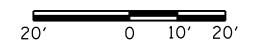


FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EMERALD LN /SYCAMORE - IL 13 INTERSECTION TRAFFIC SIGNAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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\$MODELNAME\$	PLOT DATE = 3/27/2015	CHECKED -	REVISED -			CONTRACT NO. 78375					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND

- EX CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- EXISTING MAST ARM MOUNTED SIGNAL FACE
- EXISTING BRACKET MOUNTED SIGNAL FACE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING MAST ARM ASSEMBLY & POLE
- EXISTING LIGHT POLE AND LUMINAIRE
- EXISTING MULTIMOUNT LUMINAIRE
- EXISTING HANDHOLE
- PROPOSED TRAFFIC SIGNAL POST, 10 FT., AND CONCRETE FOUNDATION, TYPE A, 3 FT
- PROPOSED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
- PROPOSED UNDERGROUND CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- PROPOSED PEDESTRIAN PUSH-BUTTON POST
- PROPOSED PEDESTRIAN PUSH-BUTTON
- PROPOSED HANDHOLE



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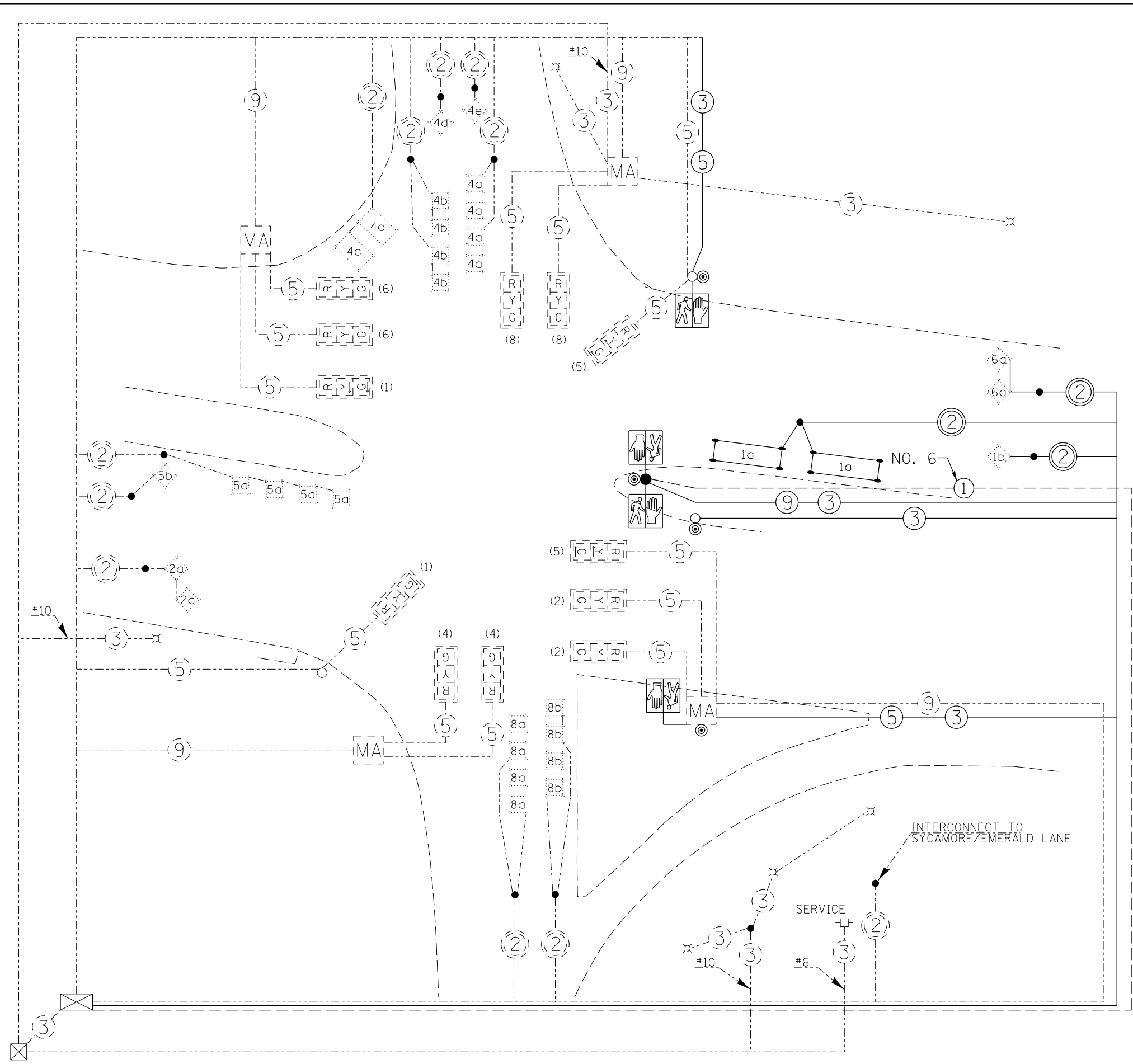
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OLD IL 13 / NEW ERA ROAD - IL 13 INTERSECTION
TRAFFIC SIGNAL PLAN**


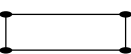





SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	

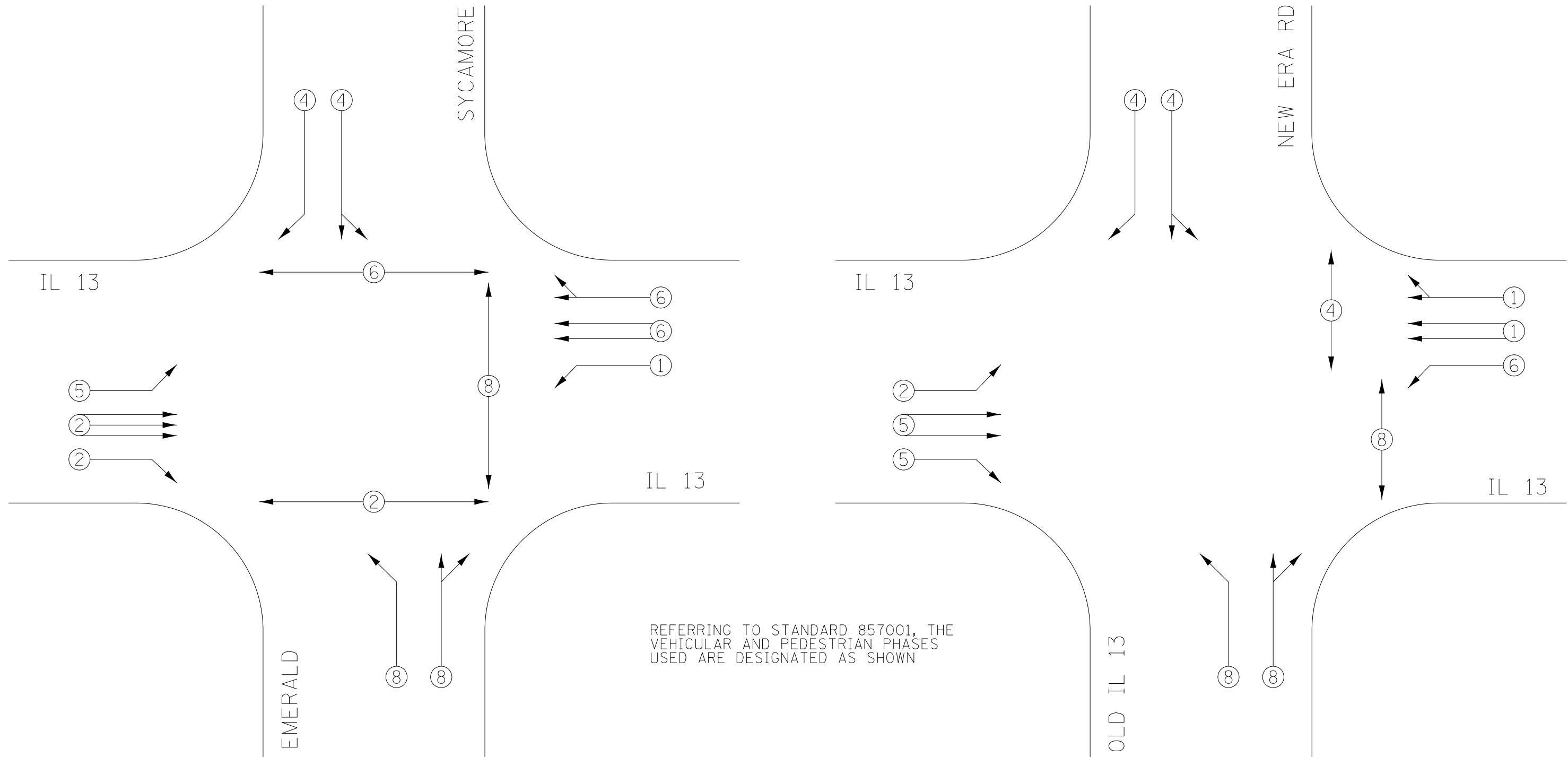
(12-11)-6,B-2



LEGEND

- PROP. PEDESTRIAN SIGNAL POLE
- PROP. PEDESTRIAN PUSH BUTTON POLE
- ⊙ PROP. PEDESTRIAN PUSH BUTTON
-  PROP. PEDESTRIAN SIGNAL HEAD
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
-  INDICATES PROPOSED 5'X20' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER
- PROPOSED CABLE SPLICE POINT
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
-  EXIST. TRAFFIC SIGNAL CONTROLLER CABINET
-  EXIST. LIGHTING CONTROLLER CABINET
- EXIST. CABLE SPLICE POINT
- ⌘ EXIST. LUMINAIRE
- EXIST. SIGNAL POLE
-  EXIST. MAST ARM
-  INDICATES 6'X6' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
-  INDICATES 5'X5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OLD IL 13 / NEW ERA ROAD - IL 13 INTERSECTION TRAFFIC SIGNAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw\work\p\dot\lavenderba\d0349233\stg-roadwaydetails.dgn		DRAWN -	REVISED -			331	(12-11)-6,B-2	JACKSON	130	50	
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78375					
	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED AS SHOWN

LEGEND

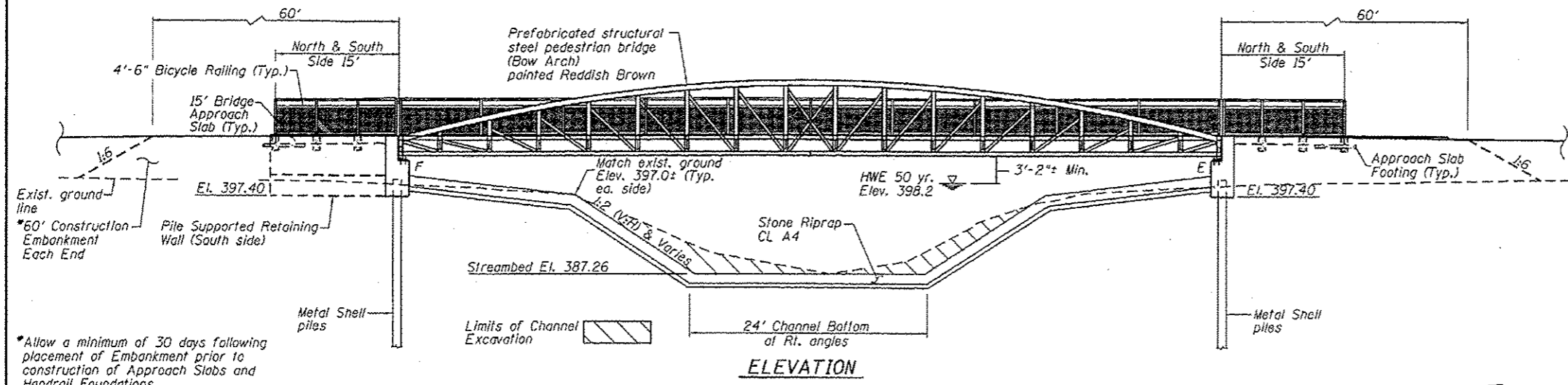
- (●) —> VEHICULAR MOVEMENT
- (■) —> PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

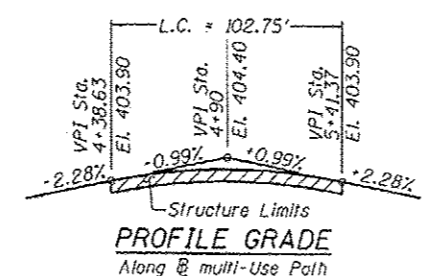
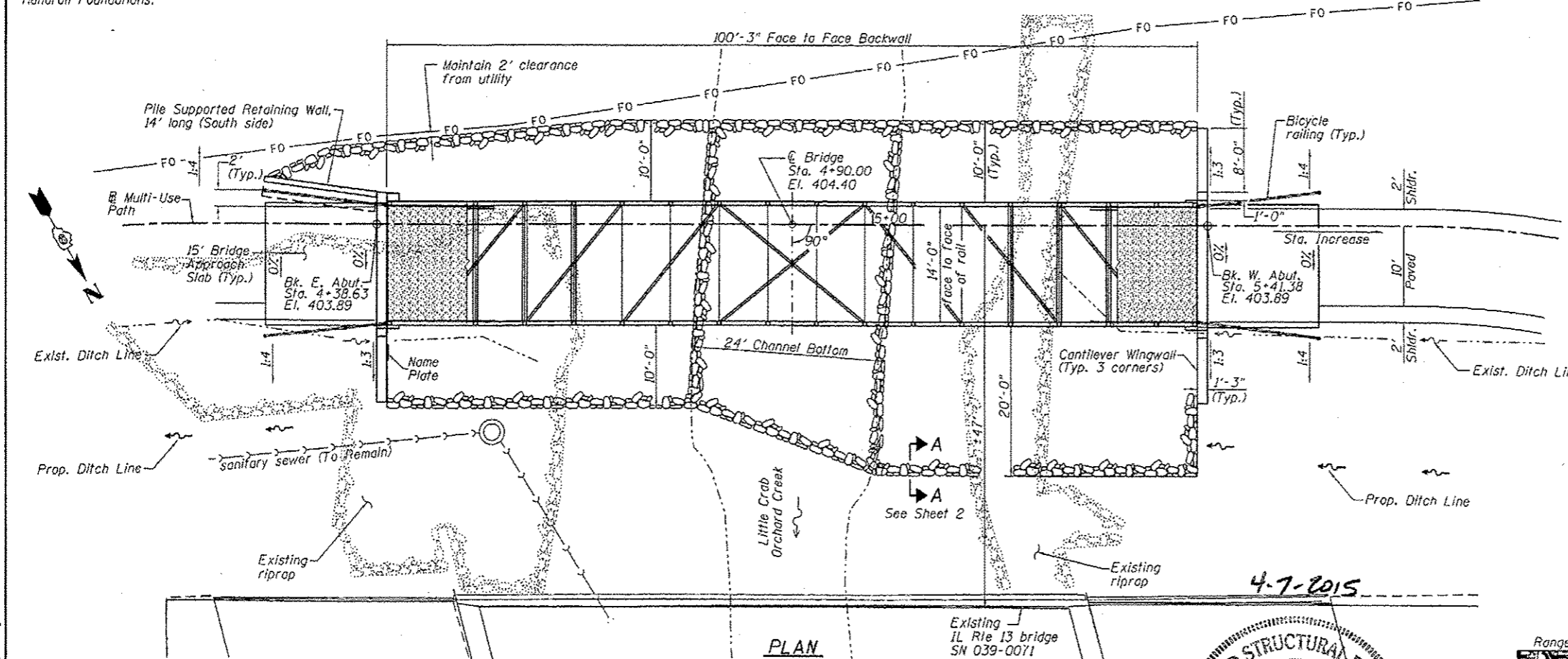
FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PHASE DESIGNATION DIAGRAMS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78375\Drawings\CAD\Sheets\78375-shtg-rdways\78375-01-01-01.dwg		DRAWN -	REVISED -		331	(12-1)I-6,B-2	JACKSON	130	51				
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78375								
	PLOT DATE = 4/22/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

Bench Mark: B291 (Reset) Disk in N.E. Wingwall, Top of S.N. 039-0071
Elev. 404.550

Existing Structure: None



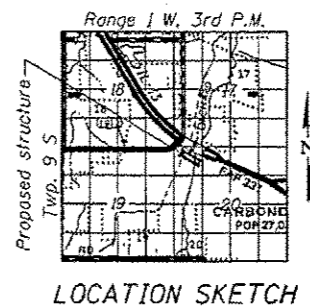
*Allow a minimum of 30 days following placement of Embankment prior to construction of Approach Slabs and Handrail Foundations.



4-7-2015

LICENSED STRUCTURAL ENGINEER
WILLIAM L. BAILEY, JR.
5087
STATE OF ILLINOIS

Exp. 11-30-2016



INDEX OF SHEETS

SHEET NO.	TITLE
1.	General Plan
2.	General Data
3.	Deck and Approach Slab Elevations
4.	Superstructure and Details
5.	Approach Slab Details 1
6.	Approach Slab Details 2
7.	East Abutment
8.	West Abutment
9.	Metal Shell Pile Details
10.	Bicycle Railing
11.	Boring Logs 1
12.	Boring Logs 2
13.	Boring Logs 3

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition
2009 LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition

LOADING

H10 (Maintenance Vehicle)
Pedestrian Live Load = 90 psf

DESIGN STRESSES

f'c = 3,500 psi (Cast-in-Place Concrete)
fy = 60,000 psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 4
Design Spectral Acceleration at 1.0 sec (SD1) = 0.558g
Design Spectral Acceleration at 0.2 sec (SDS) = 0.911g
Soil Site Class = E

DESIGN SCOUR ELEVATION TABLE

Event/ Limit State	Design Scour Elevations (ft.)		Item #
	W. Abut.	E. Abut.	
Design 0100	397.4	397.4	8
Check 0200	397.4	397.4	

BORINGS

BORING	LOCATION
1-S	Sta. 4+64, 125' Rt.
2-S	Sta. 5+46, 131' Rt.

**GENERAL PLAN
PEDESTRIAN BRIDGE OVER
LITTLE CRAB ORCHARD CREEK
SECTION B-2
JACKSON COUNTY
STATION 4+90.00
STRUCTURE NO. 039-9974**

APPROVED
For Structural Adequacy Only
D. Carl Penney, P.E.
Engineer of Bridges & Structures

USER NAME	DESIGNED	REVISIONS
M.A.	M.A.	REVISIONS
WLB	WLB	REVISIONS
GLD	GLD	REVISIONS
JMM	JMM	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

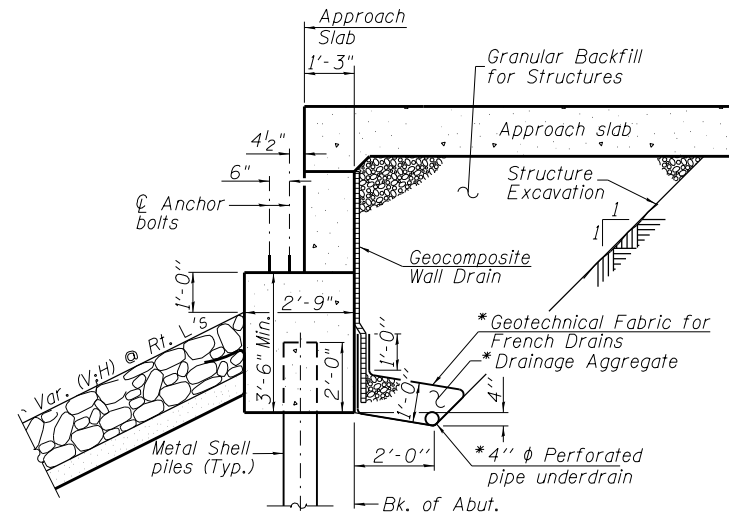
GENERAL PLAN
STRUCTURE NO. 039-9974
SHEET NO. 1 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	52
CONTRACT NO. 78375				
ILLINOIS FED. AID PROJECT				

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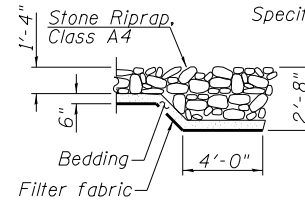
GENERAL NOTES

- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the designated areas of the abutments.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied. Damaged areas shall be touched up in the field. The color of the final finish coat for all steel surfaces of the Pedestrian Truss Superstructure shall be S.I.U. "Saluki Maroon", Pantone Color PMS 209. A draw down card sample shall be submitted to the Owner for approval prior shop painting the structure. The steel for the Bicycle Railing shall be painted black.
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum embankment that must be placed and compacted prior to construction of the abutments.

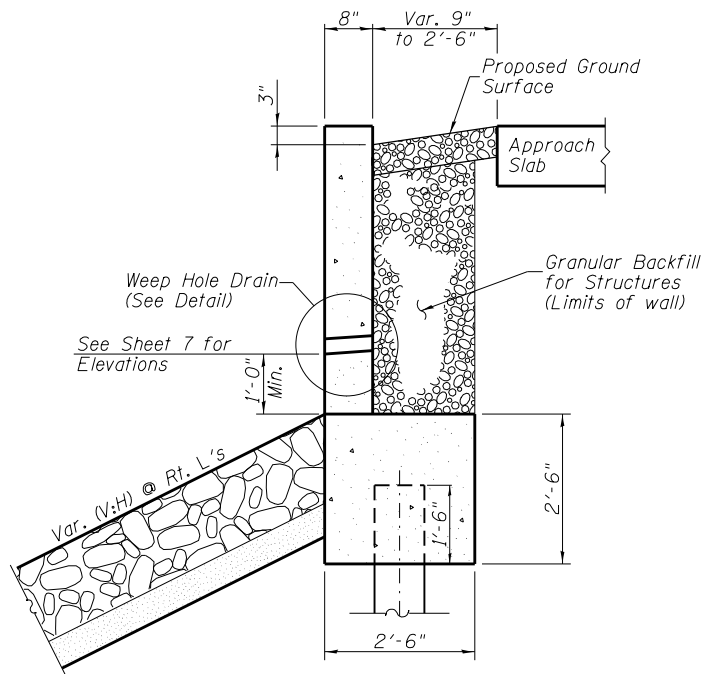


SECTION THRU ABUTMENT

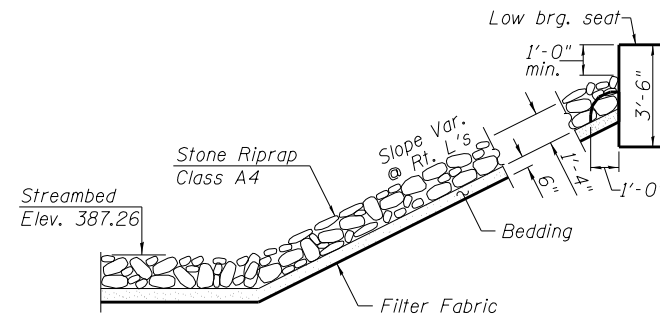
*Included in the cost of Pipe Underdrains for Structures.
All drainage system components shall extend 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)



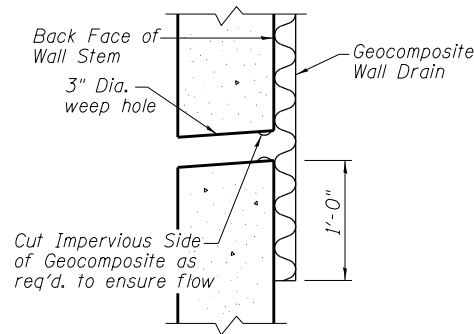
SECTION A-A



SECTION THRU L-TYPE CANTILEVER WINGWALL



STONE RIPRAP TREATMENT TOE OF SLOPE



WEEP HOLE DRAIN DETAIL

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.			488
Filter Fabric	Sq. Yd.			488
Structure Excavation	Cu. Yd.		88	88
Concrete Structures	Cu. Yd.		30.1	30.1
Concrete Superstructure	Cu. Yd.	16.1		16.1
Protective Coat	Sq. Yd.	220		220
Reinforcement Bars, Epoxy Coated	Pound	3,230	4,350	7,580
Bicycle Railing	Foot	260		260
Furnishing Metal Shell Piles 12"x0.179"	Foot		528	528
Driving Piles	Foot		528	528
Test Pile Metal Shells	Each		2	2
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		38	38
Granular Backfill for Structures	Cu. Yd.		50	50
Pipe Underdrains for Structures 4"	Foot		108	108
Pedestrian Truss Superstructure	Sq. Ft.	1,439		1,439

STATION 4+90
BUILT 201 BY
STATE OF ILLINOIS
SEC. B-2
LOADING H-10
STR. NO. 039-6013

NAME PLATE
See Std. 515001

WATERWAY INFORMATION

Drainage Area = 6.9 Sq. Mi. Prop. Overtopping Elev. = 400.5 at Sta. 7+00

Flood	Freq. Yr.	C.F.S.		Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
		Exist.*	Prop.	Exist.*	Prop.	Exist.*	Prop.	Exist.*	Prop.	Exist.*	Prop.
	10	1710	367	417	396.9	0.0	0.0	396.9	396.9		
Design	50	2760	451	507	398.2	0.4	0.4	398.6	398.6		
Base	100	3230	473	530	398.5	0.7	0.7	399.2	399.2		
Scour Check	200	3740	488	547	398.7	1.1	1.1	399.8	399.8		
Max. Calc.	500	4450	510	572	399.0	1.8	1.8	400.8	400.8		

10 Yr. velocity through Prop. Bridge=4.1 ft/s

*Note: Data listed in the "Exist." columns represents SN 039-0071 located 49' D/S carrying IL 13 over little Crab Orchard Creek.

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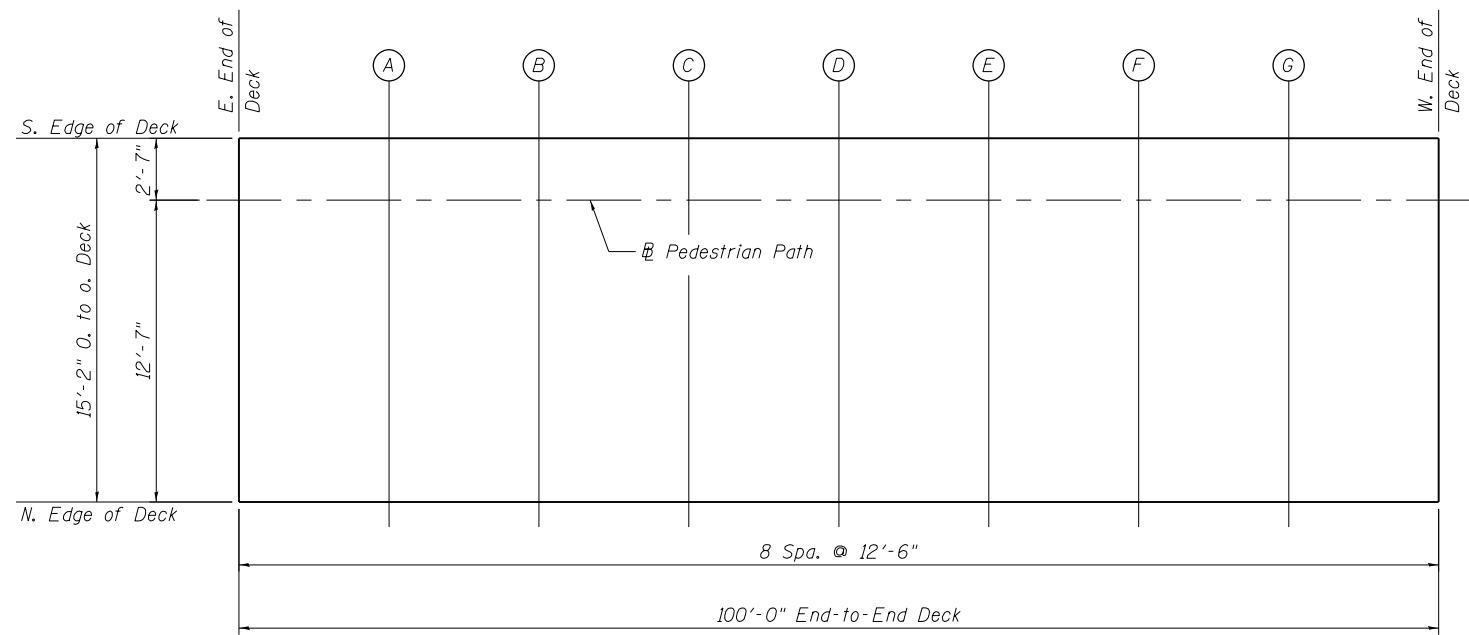
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	CHECKED - WLB	REVISED -
PLOT SCALE =	DRAWN - GLD	REVISED -
PLOT DATE =	CHECKED - JMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 039-6013

SHEET NO. 2 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	53
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	



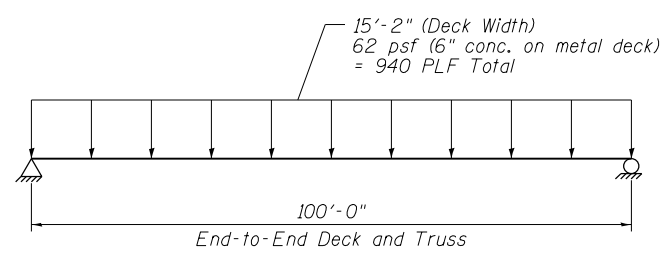
LAYOUT PLAN FOR DECK ELEVATIONS

SOUTH EDGE OF DECK

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Deck	4+40.00	-2.583	403.90
A	4+52.50	-2.583	404.01
B	4+65.00	-2.583	404.09
C	4+77.50	-2.583	404.13
D	4+90.00	-2.583	404.15
E	5+02.50	-2.583	404.13
F	5+15.00	-2.583	404.09
G	5+27.50	-2.583	404.01
W. End of Deck	5+40.00	-2.583	403.90

PEDESTRIAN PATH

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Deck	4+40.00	0.000	403.90
A	4+52.50	0.000	404.01
B	4+65.00	0.000	404.09
C	4+77.50	0.000	404.13
D	4+90.00	0.000	404.15
E	5+02.50	0.000	404.13
F	5+15.00	0.000	404.09
G	5+27.50	0.000	404.01
W. End of Deck	5+40.00	0.000	403.90

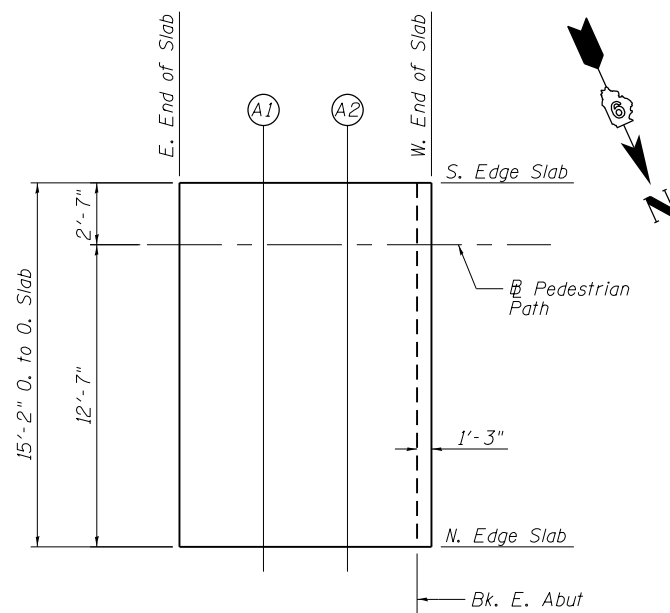


BRIDGE CONCRETE DEAD LOAD DIAGRAM

NORTH EDGE OF DECK

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Deck	4+40.00	12.583	403.90
A	4+52.50	12.583	404.01
B	4+65.00	12.583	404.09
C	4+77.50	12.583	404.13
D	4+90.00	12.583	404.15
E	5+02.50	12.583	404.13
F	5+15.00	12.583	404.09
G	5+27.50	12.583	404.01
W. End of Deck	5+40.00	12.583	403.90

Notes:
 1. Prefabricated structural steel pedestrian truss manufacturer shall determine Theoretical Deck Elevation Adjusted for Dead Load Deflection and take into account the concrete deck appropriately when determining bridge camber.



LAYOUT PLAN FOR EAST APPROACH SLAB

SOUTH EDGE OF SLAB

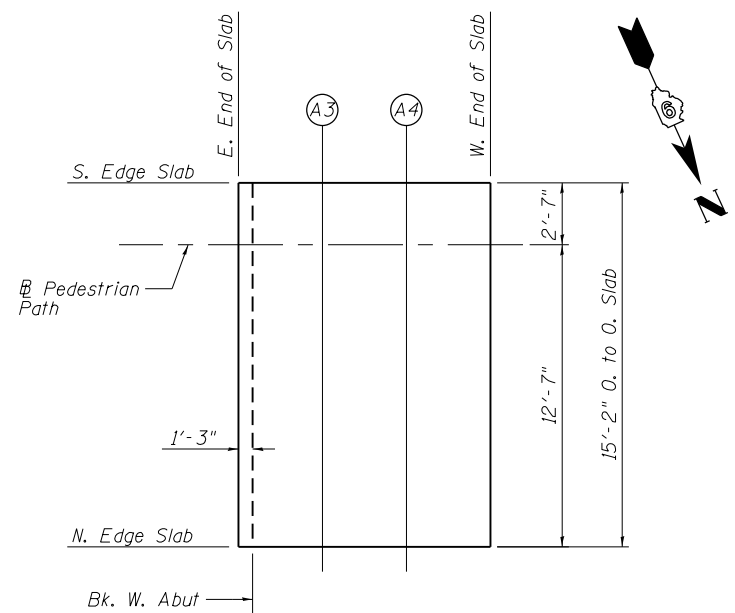
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	4+24.88	-2.583	403.55
A1	4+29.88	-2.583	403.60
A2	4+34.99	-2.583	403.78
W. End of Slab	4+39.88	-2.583	403.89

PEDESTRIAN PATH

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	4+24.88	0.000	403.55
A1	4+29.88	0.000	403.60
A2	4+34.99	0.000	403.78
W. End of Slab	4+39.88	0.000	403.89

NORTH EDGE OF SLAB

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	4+24.88	12.583	403.55
A1	4+29.88	12.583	403.60
A2	4+34.99	12.583	403.78
W. End of Slab	4+39.88	12.583	403.89



LAYOUT PLAN FOR WEST APPROACH SLAB

SOUTH EDGE OF SLAB

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	5+40.13	-2.583	403.89
A3	5+45.13	-2.583	403.78
A4	5+50.13	-2.583	403.66
W. End of Slab	5+55.13	-2.583	403.55

PEDESTRIAN PATH

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	5+40.13	0.000	403.89
A3	5+45.13	0.000	403.78
A4	5+50.13	0.000	403.66
W. End of Slab	5+55.13	0.000	403.55

NORTH EDGE OF SLAB

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION
E. End of Slab	5+40.13	12.583	403.89
A3	5+45.13	12.583	403.78
A4	5+50.13	12.583	403.66
W. End of Slab	5+55.13	12.583	403.55



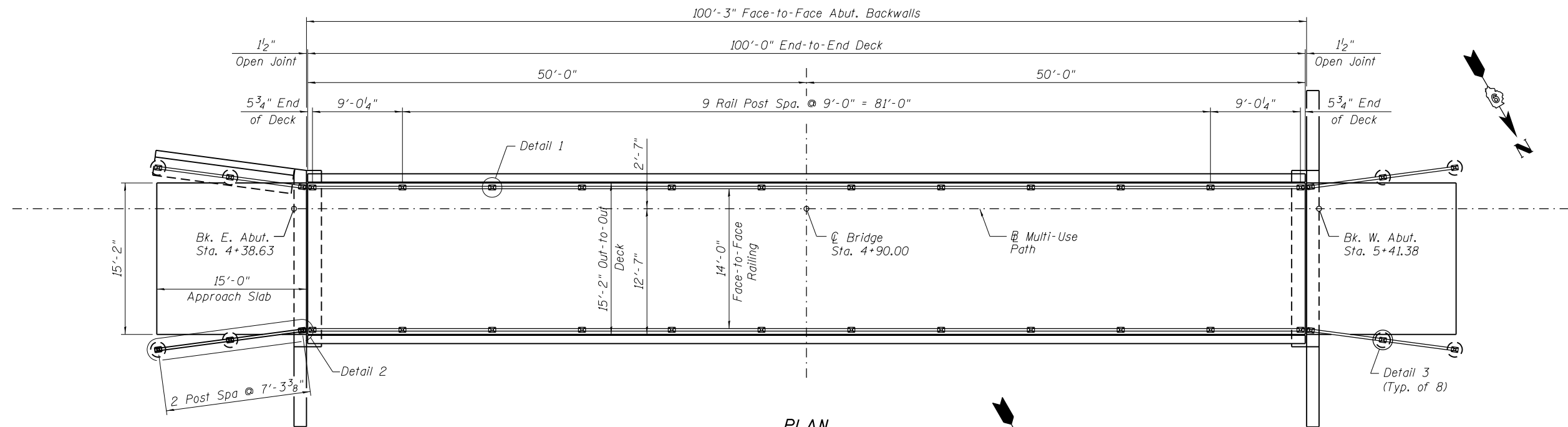
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PLOT DATE =	CHECKED - JMM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

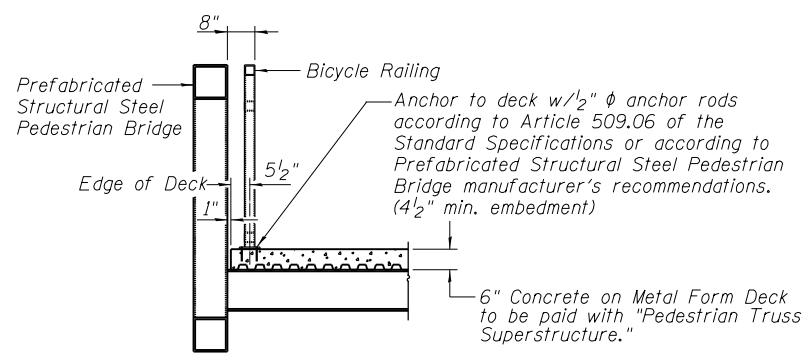
DECK AND APPROACH SLAB ELEVATIONS
STRUCTURE NO. 039-6013
SHEET NO. 3 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	54
CONTRACT NO. 78375				
ILLINOIS FED. AID PROJECT				

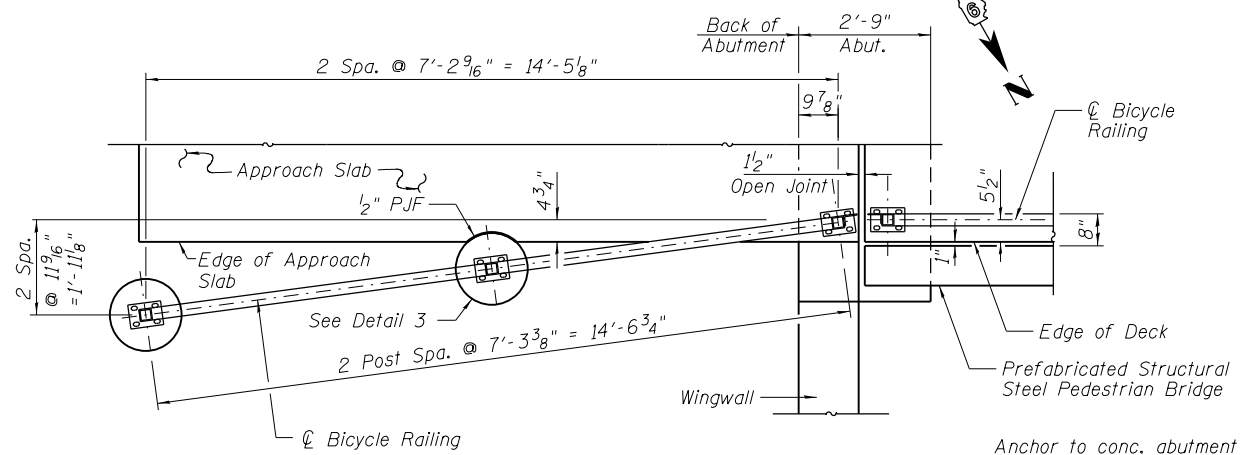
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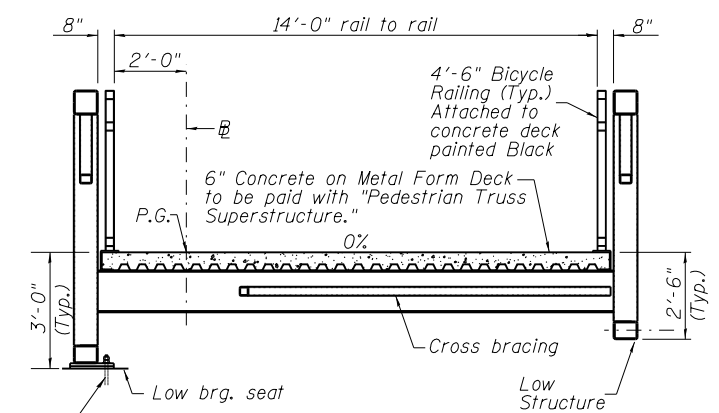
PLAN



DETAIL 1

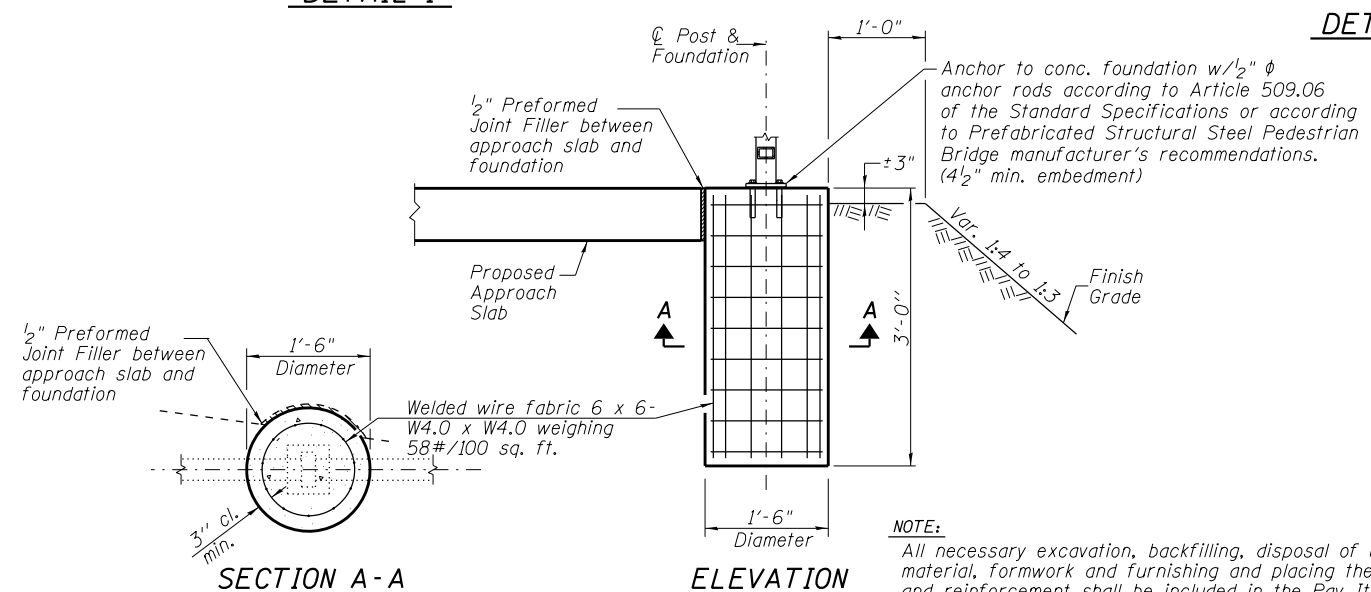


DETAIL 2



TYPICAL SECTION (Looking West)

Anchor to conc. abutment with anchor rods according to Article 509.06 of the Standard Specifications or according to Prefabricated Structural Steel Pedestrian Bridge manufacturer's recommendations. To be furnished by Pedestrian Truss manufacturer.



DETAIL 3 POST FOUNDATION

ELEVATION

NOTE:
All necessary excavation, backfilling, disposal of unsuitable or surplus material, formwork and furnishing and placing the Class SI Concrete and reinforcement shall be included in the Pay Item "Bicycle Railing".

NOTES:

1. See Sheets 5 and 6 of 13 for Approach Slab Details.
2. See Sheet 10 of 13 for Bicycle Railing Details.

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PLOT SCALE =	CHECKED - WLB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

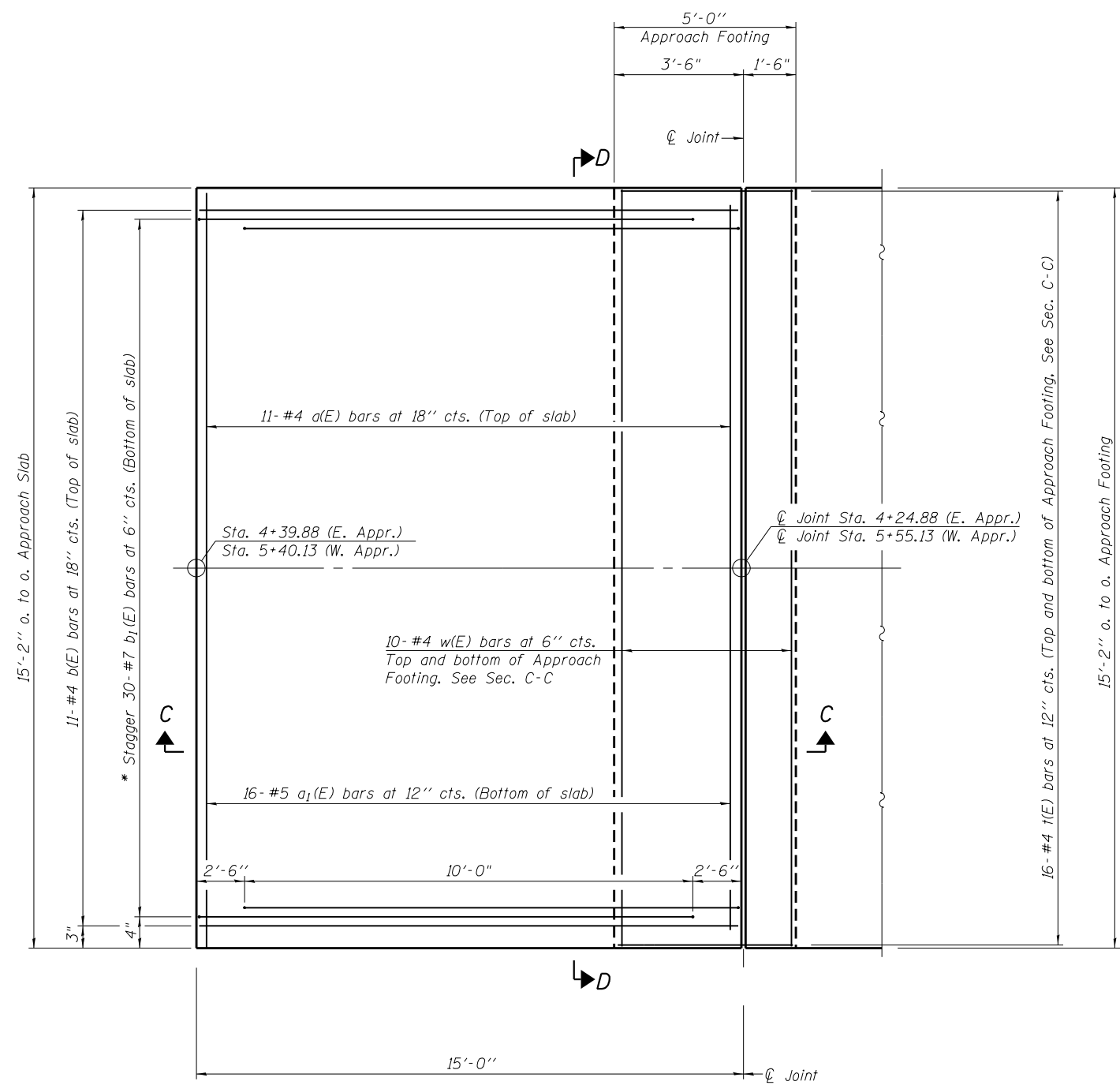
**SUPERSTRUCTURE AND DETAILS
STRUCTURE NO. 039-6013**

SHEET NO. 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	55
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	

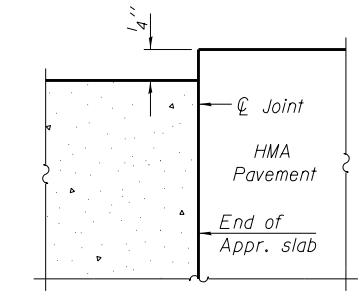
NOTES:

1. See sheet 6 of 13 for Sections C-C and D-D.
2. a(E) and a₁(E) bar spacings measured along \varnothing Rdwy.



PLAN

* Tilt #7 b₁(E) bars as required to maintain clearance.



**FLEXIBLE PAVEMENT
DETAIL A**

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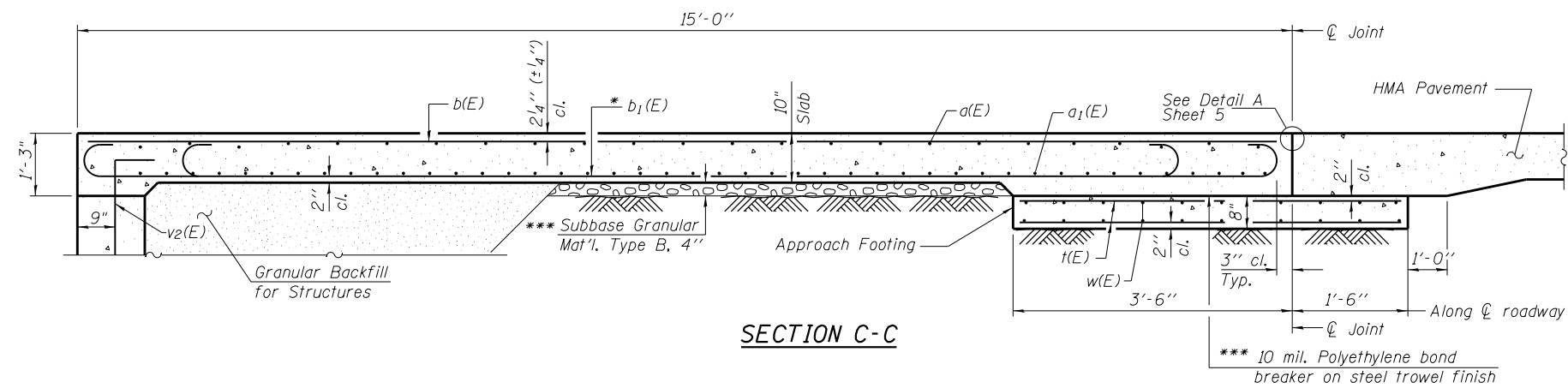
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

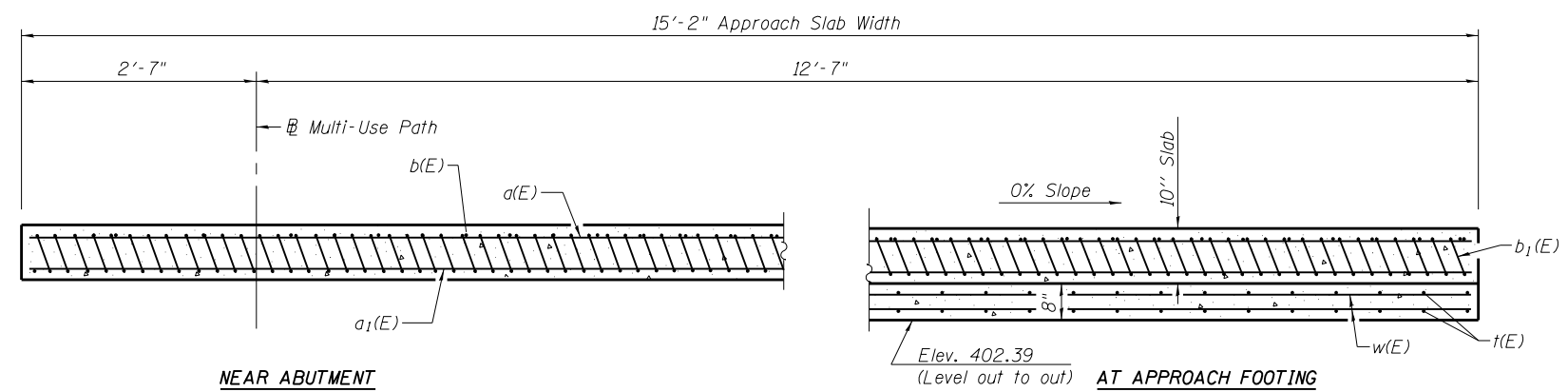
**BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 039-6013**

SHEET NO. 5 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	56
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

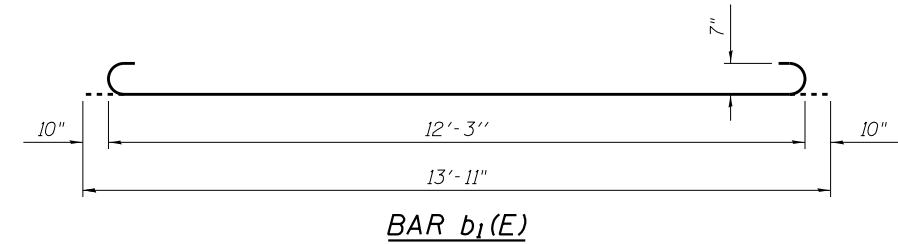


SECTION C-C



SECTION D-D

(See Plan for dimensions not shown)



* Tilt #7 b₁(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

NOTES:

1. Approach slab concrete shall be paid for as Concrete Superstructure.
2. Approach footing concrete shall be paid for as Concrete Structures.
3. Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
4. For v₂(E) bar details, see sheet 7 & 8 of 13.
5. The approach footing maximum applied service bearing pressure (O_{max}) = 0.60 ksf.
6. Cost of excavation for approach footing included with Concrete Structures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 13.

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a(E)	22	#4	14'-10"	—	
a ₁ (E)	32	#5	14'-10"	—	
b(E)	22	#4	14'-8"	—	
b ₁ (E)	60	#7	13'-11"	U	
t(E)	64	#4	4'-8"	—	
w(E)	40	#4	14'-10"	—	
Concrete Superstructure				Cu. Yd.	16.1
Concrete Structures				Cu. Yd.	3.8
Reinforcement Bars, Epoxy Coated				Pound	3,230

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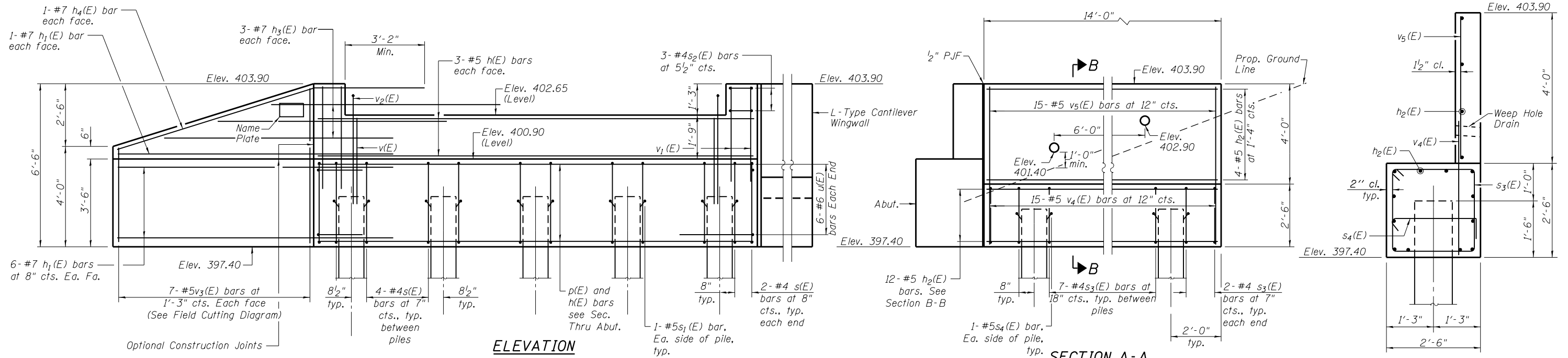
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PLOT SCALE =	DRAWN - GLD	REVISED -
PLOT DATE =	CHECKED - JMM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS II
STRUCTURE NO. 039-6013**

SHEET NO. 6 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	57
				CONTRACT NO. 78375
ILLINOIS FED. AID PROJECT				



ELEVATION

SECTION A-A

SECTION B-B

BILL OF MATERIAL

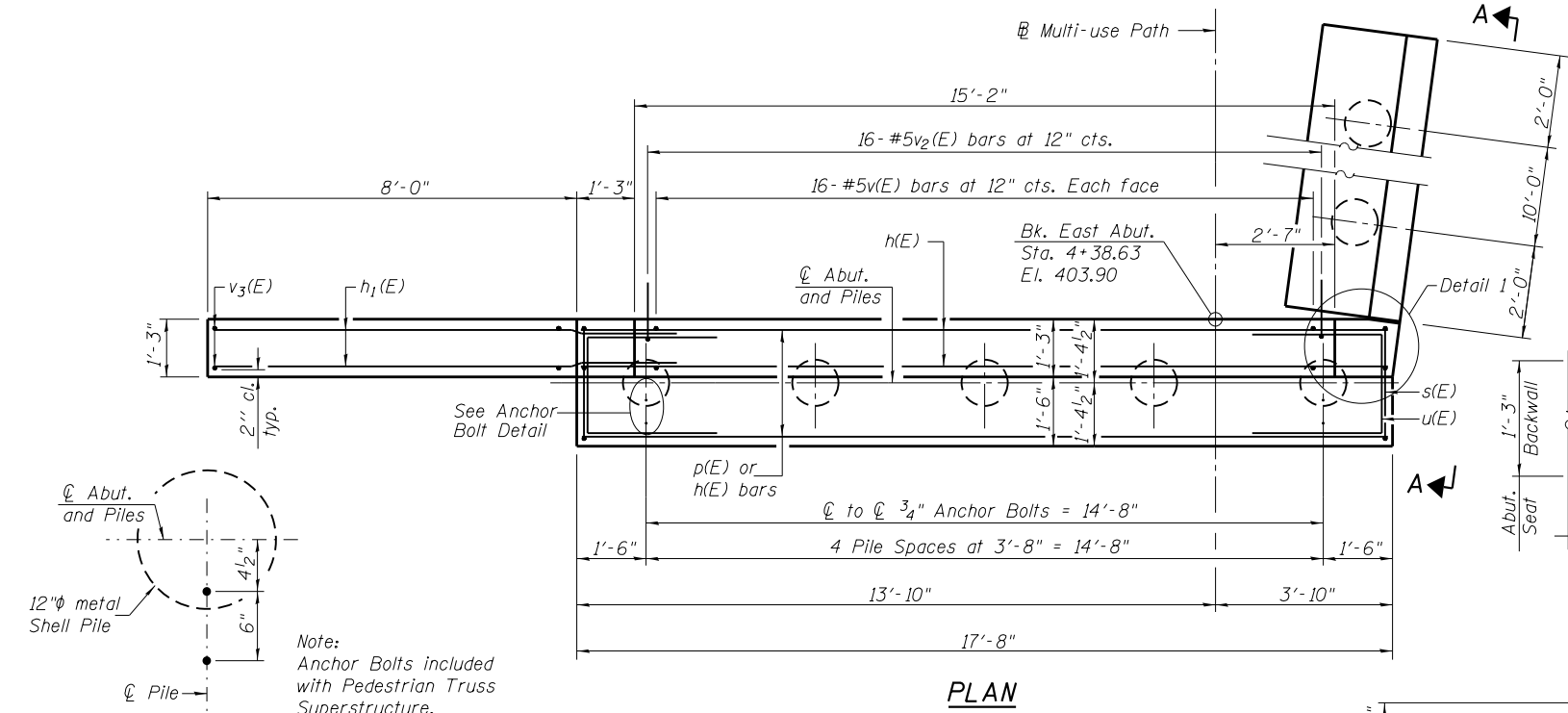
Bar	No.	Size	Length	Shape
h(E)	14	#5	17'-4"	—
h ₁ (E)	14	#7	11'-0"	—
h ₂ (E)	16	#5	13'-8"	—
h ₃ (E)	6	#7	9'-7"	—
h ₄ (E)	2	#7	12'-8"	—
p(E)	8	#6	17'-4"	—
s(E)	20	#4	12'-1"	□
s ₁ (E)	10	#5	4'-5"	□
s ₂ (E)	3	#4	4'-7"	□
s ₃ (E)	11	#4	9'-7"	□
s ₄ (E)	4	#5	3'-2"	□
u(E)	12	#6	10'-0"	□
v(E)	32	#5	3'-6"	—
v ₁ (E)	8	#5	4'-9"	—
v ₂ (E)	16	#5	5'-10"	└
v ₃ (E)	7	#5	9'-10"	—
v ₄ (E)	15	#5	5'-5"	—
v ₅ (E)	15	#5	3'-8"	—
Structure Excavation			Cu. Yd.	44
Concrete Structures			Cu. Yd.	14.5
Reinforcement Bars, Epoxy Coated			Pound	2,130
Furnishing Metal Shell Piles 12"x0.179"			Foot	292
Driving Piles			Foot	292
Test Pile Metal Shell			Each	1

For details of piles see sheet 9 of 13.

BRIDGE REACTIONS

Load Type	P (kips)	Lateral (kips)	Longitudinal (kips)
Dead Load	36.20	-	-
Uniform Live Load	34.13	-	-
Vehicle Load	10.00	-	-
Vehicle Load	-12.25	-	-
Wind	±4.66	14.30	-
Thermal	-	-	5.20

Loads are unfactored and per bearing.



PLAN

DETAIL 1

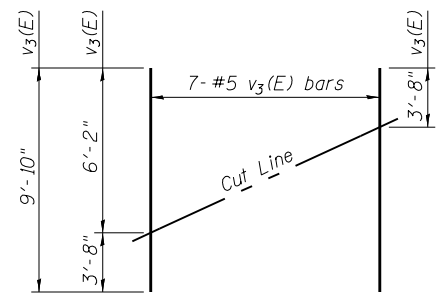
SEC. THRU ABUT.

ANCHOR BOLT DETAIL

PILE DATA

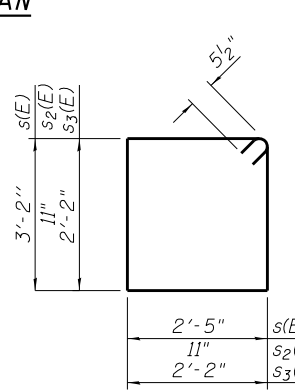
Abutment:
 Type: Metal Shell 12" x 0.179"
 Nominal Required Bearing: 149 kips
 Factored Resistance Available: 38 kips
 Est. Length: 58 Ft.
 No. Production Piles: 4
 No. Test Piles: 1

Wingwall:
 Type: Metal Shell 12" x 0.179"
 Nominal Required Bearing: 100 kips
 Factored Resistance Available: 16 kips
 Est. Length: 30 Ft.
 No. Production Piles: 2

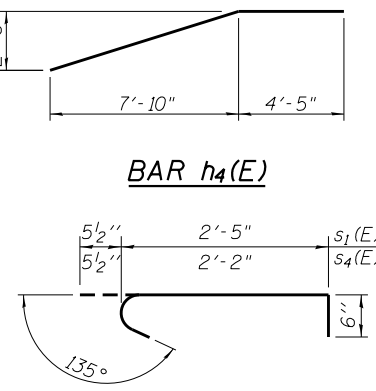


FIELD CUTTING DIAGRAM

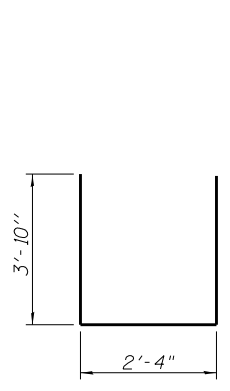
Order v₃(E) full length. Cut as shown and use remainder of bars in opposite face.



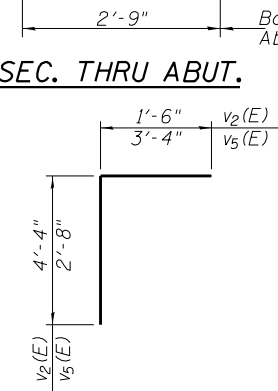
BAR s(E), s₂(E) & s₃(E)



BAR s₁(E) & s₄(E)



BAR u(E)



BAR v₂(E) & v₅(E)



USER NAME =	DESIGNED - MJL	REVISED -
PLOT SCALE =	CHECKED - WLB	REVISED -
PLOT DATE	DRAWN - GLD	REVISED -
	CHECKED - JMM	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

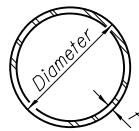
**EAST ABUTMENT
 STRUCTURE NO. 039-6013**

SHEET NO. 7 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	58

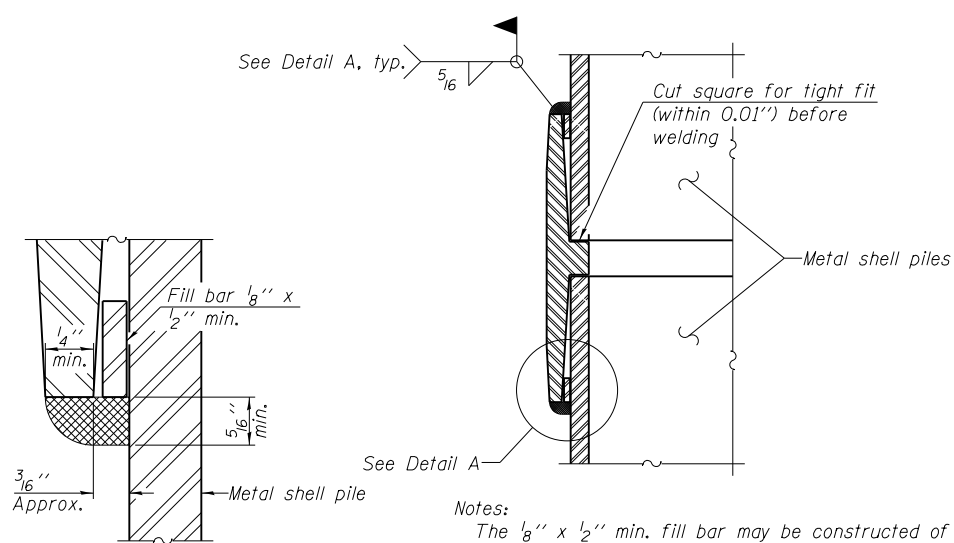
CONTRACT NO. 78375
 ILLINOIS FED. AID PROJECT

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METAL SHELL PILE TABLE

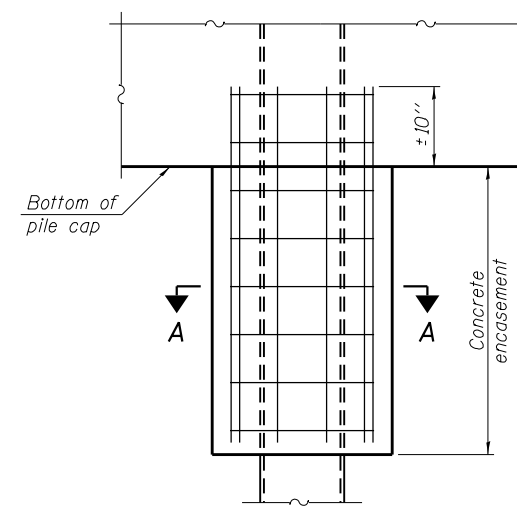
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



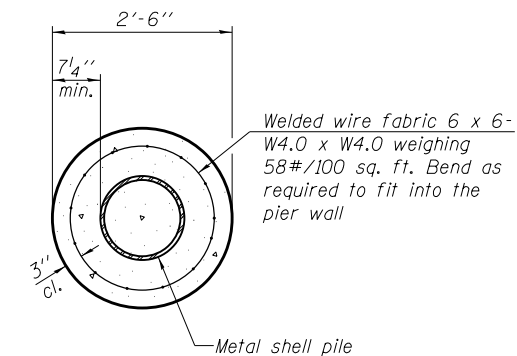
DETAIL A

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



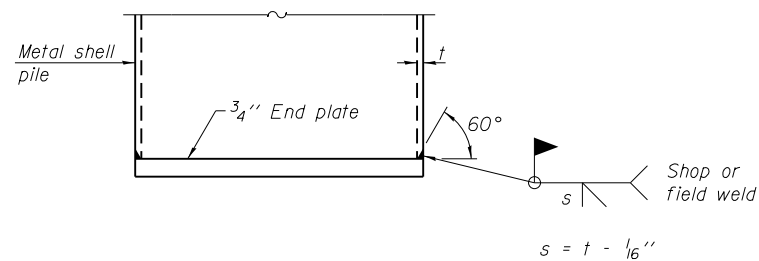
ELEVATION



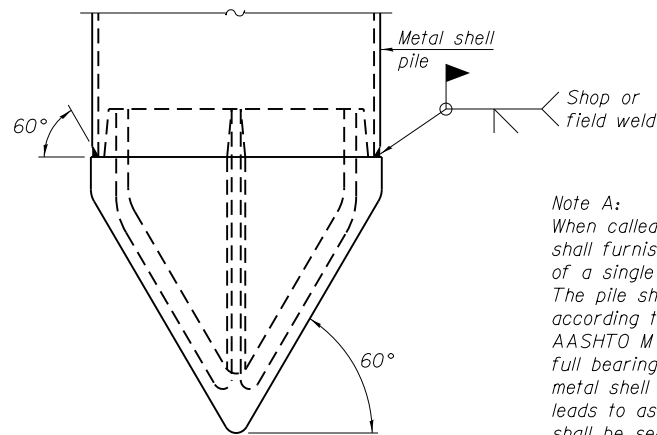
SECTION A-A

Note:
 Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



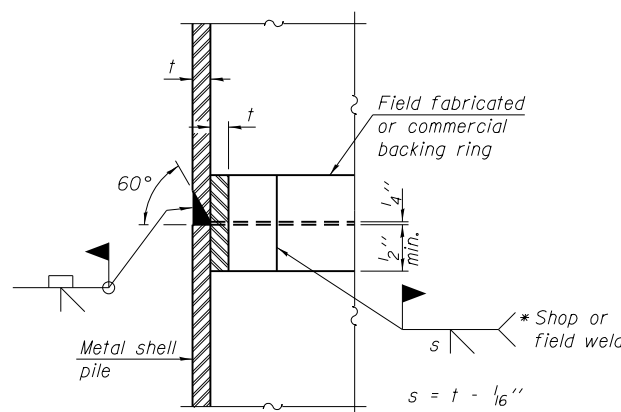
END PLATE ATTACHMENT



METAL SHELL PILE SHOE ATTACHMENT

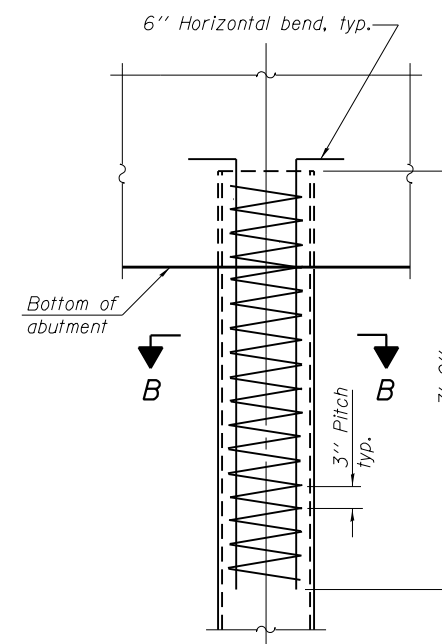
(See Note A)

Note A:
 When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

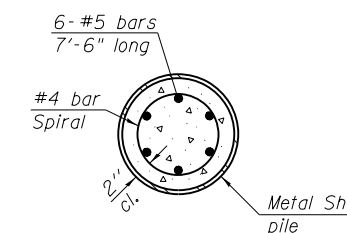


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:
 The metal shell piles shall be according to ASTM A 252 Grade 3.

V:\HB.sp\100T_0806610_WO_14_1r_01\Drawings\Sheets\09787375-MetalShellPile_Details.dgn



USER NAME =	DESIGNED - MJL	REVISED -
	CHECKED - WLB	REVISED -
PLOT SCALE =	DRAWN - GLD	REVISED -
PLOT DATE =	CHECKED - JMM	REVISED -

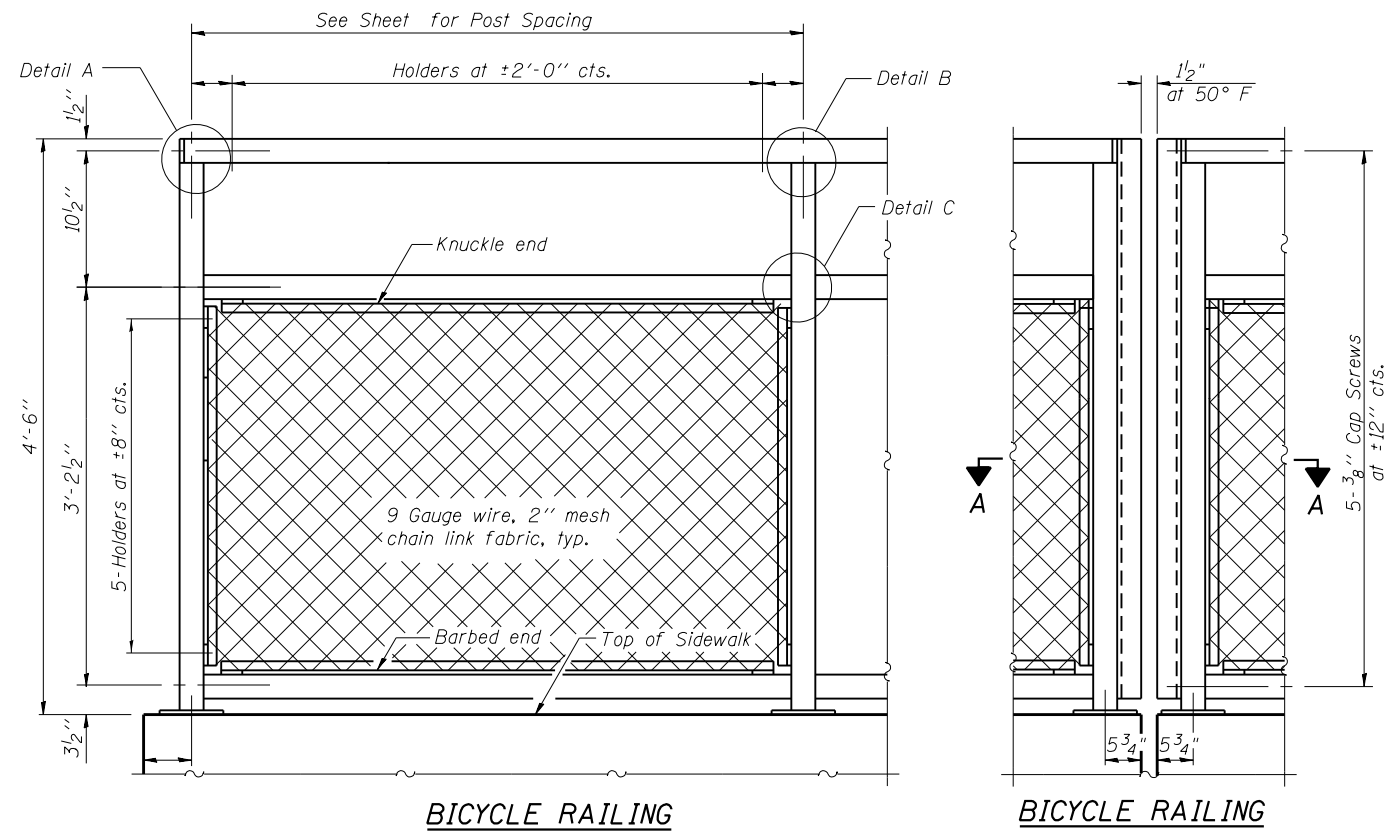
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
 STRUCTURE NO. 039-6013**

SHEET NO. 9 OF 13 SHEETS

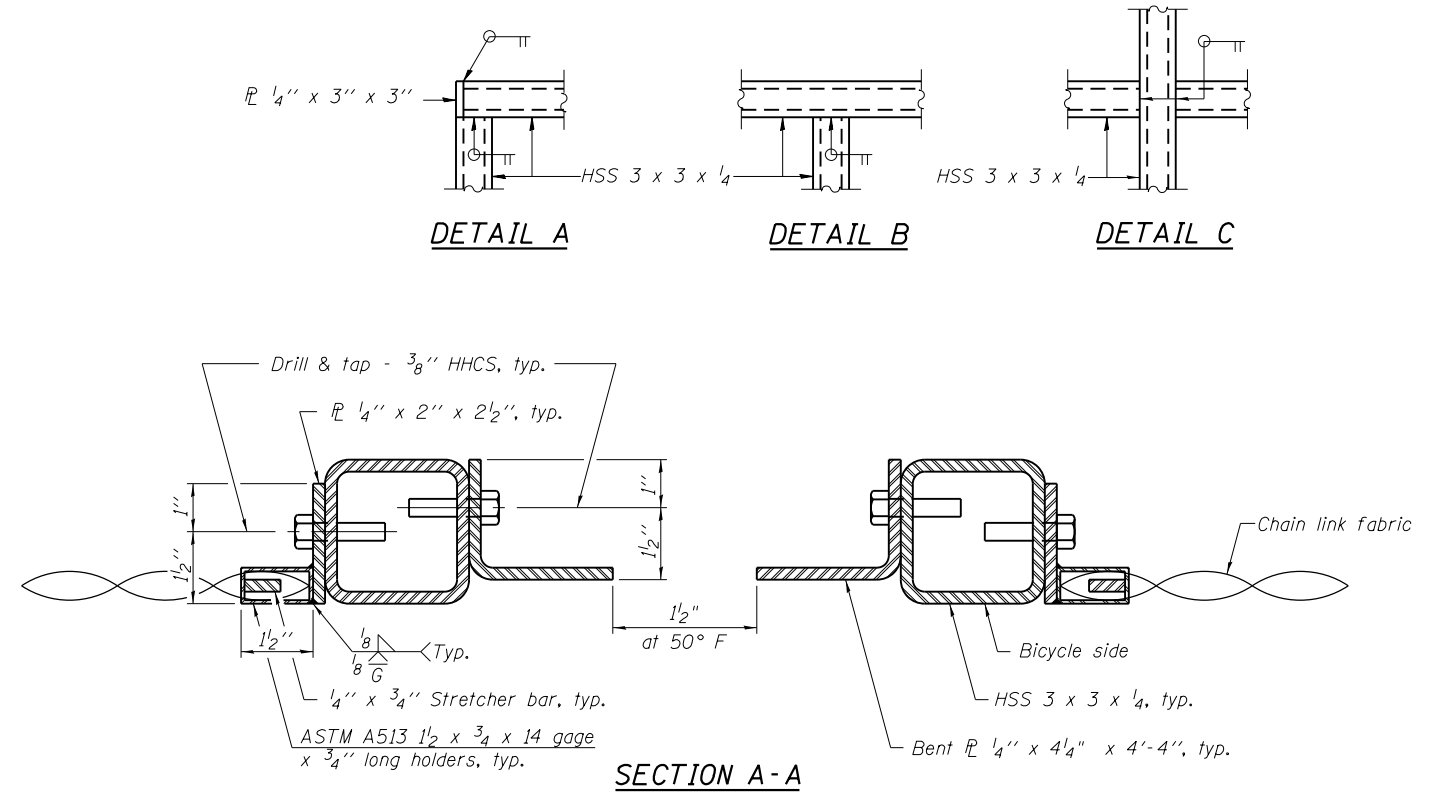
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	60
CONTRACT NO. 78375				

ILLINOIS FED. AID PROJECT



BICYCLE RAILING

BICYCLE RAILING

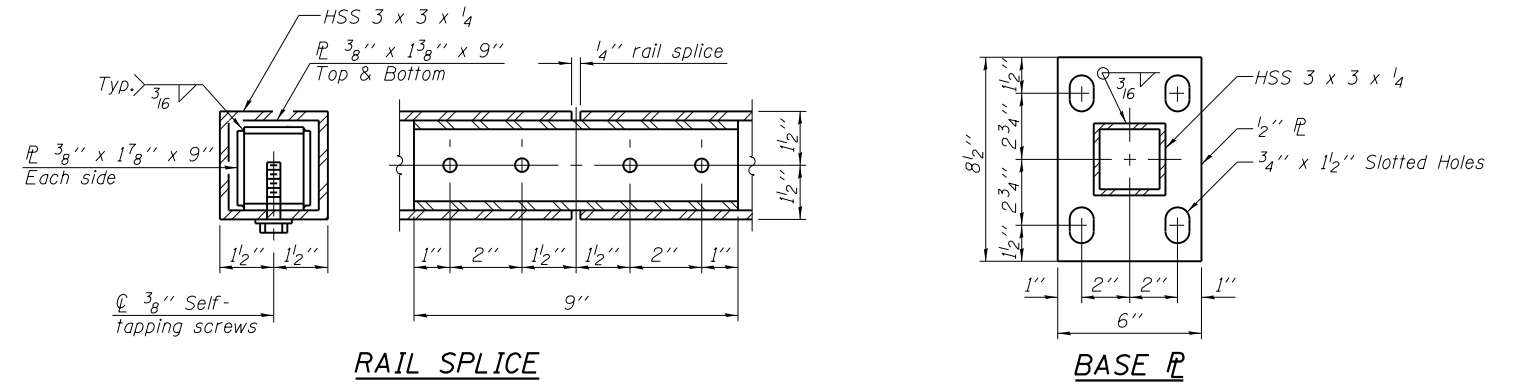


DETAIL A

DETAIL B

DETAIL C

SECTION A-A



RAIL SPLICE

BASE PL

NOTES:

- All post, railing, splices, anchor devices, bent plates, and chain link fabric shall be painted black.
- The Contractor shall drill and epoxy 1/2" anchor rods for post bases according to Article 509.06 of the Standard Specifications. Embedment shall be according to manufacturer's specifications. Min. embedment shall be 4 1/2".

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	260



USER NAME =	DESIGNED - MJL	REVISED -
	CHECKED - WLB	REVISED -
PLOT SCALE =	DRAWN - GLD	REVISED -
PLOT DATE =	CHECKED - JMM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BICYCLE RAILING
STRUCTURE NO. 039-6013**

SHEET NO. 10 OF 13 SHEETS

F.A.P. RTE. 331	SECTION B-2	COUNTY JACKSON	TOTAL SHEETS 130	SHEET NO. 61
				CONTRACT NO. 78375
ILLINOIS FED. AID PROJECT				

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 District Nine Materials
 Bridge Foundation Boring Log
 Sheet 1 of 3
 Route: FAP 331 (IL 13) Over Little Crab Orchard Creek
 Structure Number: 039-0016 (WB), 039-0017 (EB) Date: 3/9/2000
 Section 12-1B-1, (12-1B-1)A Bored By: Bryan Keller
 County: Jackson Location: Near WCL Carbondale Checked By: R Moberly

Boring No: 1-S Station: 57+48 Offset: 4' S CL of Median Ground Surface: 404.9 Ft	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 388.2 Ground Water Elevation when Drilling: 354.9 At Completion	D E P T H	B L O W S	Qu tsf	W%	Description
										Very stiff, moist, brown, Silty Clay A-6
										Stiff, very moist, brown mottled grey, Clay A7-6
										Stiff, very moist, grey, Clay A7-6
										Stiff, moist, brown, Silty Clay A-6
										Very stiff, moist, grey to brown, Silty Clay A-6
										Medium, moist, grey to brown, Silty Clay A-6
										Soft, very moist, grey, Silty Clay A-6
										Medium, very moist, grey, Silty Clay A-6
										Soft, very moist, grey, Silty Clay A-6
										Medium, moist, brown mottled grey, Clay A7-6
										Very stiff, moist, grey, Clay A7-6
										Stiff, very moist, grey, Clay A7-6

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 3
 Date: 3/9/2000
 Route: FAP 331 (IL 13)
 Section: 12-1B-1, (12-1B-1)A
 County: Jackson

Boring No: 1-S Station: 57+48 Offset: 4' S CL of Median Ground Surface: 404.9 Ft	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 388.2 Ground Water Elevation when Drilling: 354.9 At Completion	D E P T H	B L O W S	Qu tsf	W%	Description
										Soft to medium, very moist, grey, Silty Clay Loam A-6
										Stiff, moist, grey, Clay A7-6
										Medium to stiff, very moist, grey, Clay to Silty Clay A7-6
										Medium, moist, grey, Silty Clay A7-6 with Sand layers
										Washed 5' blow in Very loose, very moist, grey, Coarse Sand
										Medium, moist, grey, Clay A7-6 with Sand layers
										Stiff, moist, grey, Silt Loam A-4
										Stiff, moist, grey, Clay A7-6 with Sand and Gravel layers

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 3 of 3
 Date: 3/9/2000
 Route: FAP 331 (IL 13)
 Section: 12-1B-1, (12-1B-1)A
 County: Jackson

Boring No: 1-S Station: 57+48 Offset: 4' S CL of Median Ground Surface: 404.9 Ft	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 388.2 Ground Water Elevation when Drilling: 354.9 At Completion	D E P T H	B L O W S	Qu tsf	W%	Description
										Stiff, moist, grey, Silty Clay to Silty Clay Loam A-6
										Very loose, very moist, Fine Silty Sand with Clay layers
										Dense, moist, grey, Fine Silty Sand
										Stiff, moist, grey, Clay to Silty Clay A7-6
										Very dense, moist, grey, Fine Silty Sand with some Gravel
										ESF = 71.0 Tons
										Bottom of hole = 141.0 feet
										Free water observed at 50.0 feet
										Elevation referenced to USGS B 281, 1961 Elevation = 405.43'
										Washed 4' blow in Very loose, very moist, Fine Silty Sand with Clay layers
										3% Gravel 70% Sand 17% Silt 10% Clay
										Note: To convert "N" values to "N60" multiply by 1.25

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

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USER NAME =	DESIGNED - MJL	REVISED -
PLOT SCALE =	CHECKED - WLB	REVISED -
PLOT DATE =	DRAWN - GLD	REVISED -
	CHECKED - JMM	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOG I
 STRUCTURE NO. 039-6013

SHEET NO. 11 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	B-2	JACKSON	130	62
CONTRACT NO. 78375				
ILLINOIS FED. AID PROJECT				

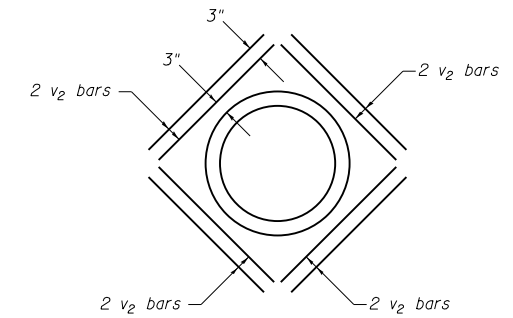
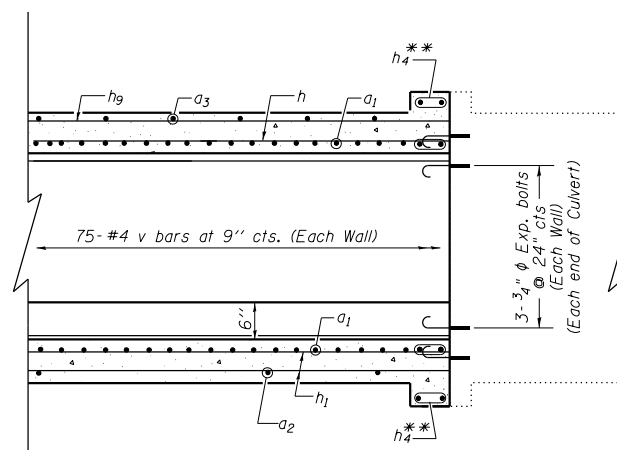
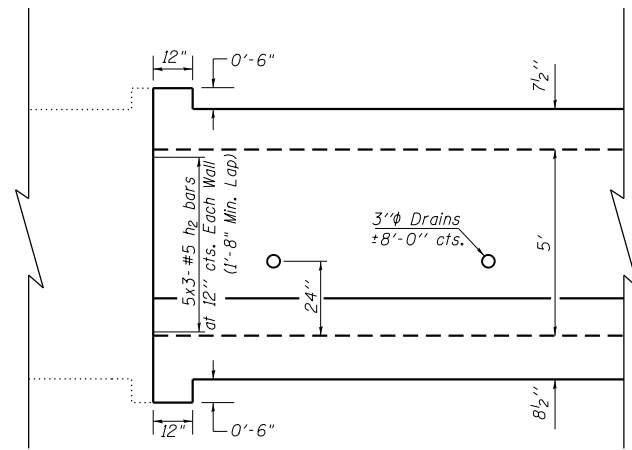
ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 4

Route: FAP 331 (IL 13) Over Little Crab Orchard Creek
Structure Number: 039-0016 (WB), 039-0017 (WB) Date: 3/23/2000
Section: 12-1B-1, (12-1B-1)A Bored By: Bryan Keller
County: Jackson Location: Near WCL Carbondale Checked By: R Moberly

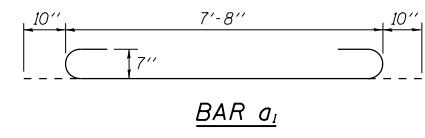
Boring No. 2-5 Station 58+35 Offset: 1' Lt Cl Median Ground Surface 405.0 Ft	D E P T H				B L O W S				Qu tsf	W%	Surf Wat Elev: 388.2 Ground Water Elevation when Drilling 383 At Completion 331 At: Hrs:	D E P T H				B L O W S				Qu tsf	W%				
	H	S	T	W	H	S	T	W				H	S	T	W	H	S	T	W						
																						Very stiff, moist, brown, Clay A7-6	3	2.1B	26
											378.0														
																						Stiff, moist to very moist, brown mottled grey, Clay A7-6	2		
																							3	1.8S	44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

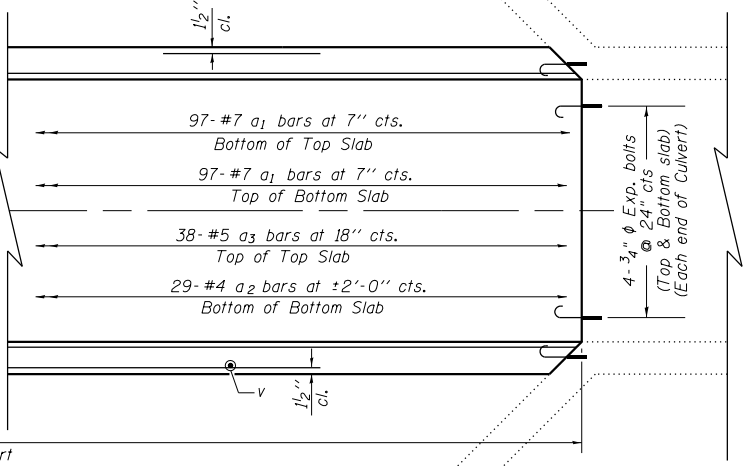
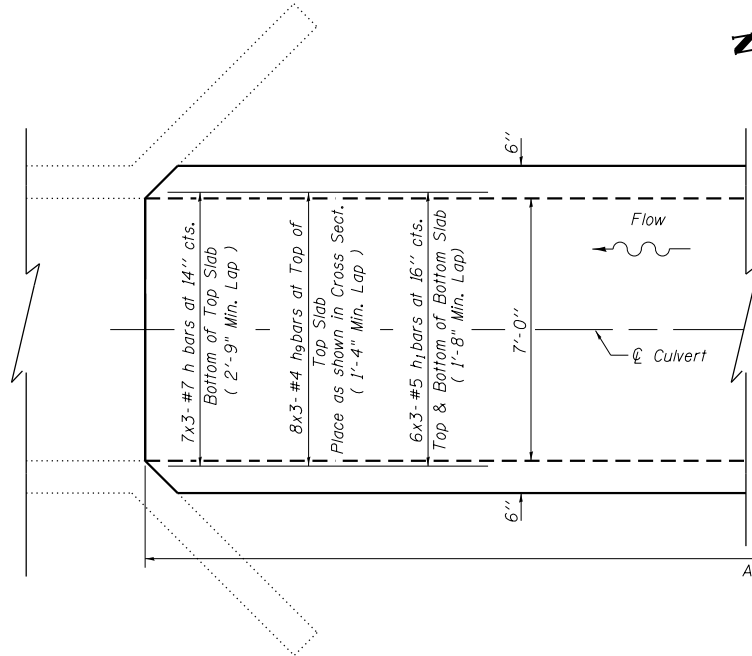


PIPE CULVERTS WILL TIE INTO CULVERT CONNECTOR AT
STA. 10+11.30 RT - 12" PIPE - INVERT ELEV. 395.75
STA. 10+18.67 RT - 12" PIPE - INVERT ELEV. 397.63
STA. 10+37.00 LT - 24" PIPE - INVERT ELEV. 397.33

ELEVATION



BAR a1



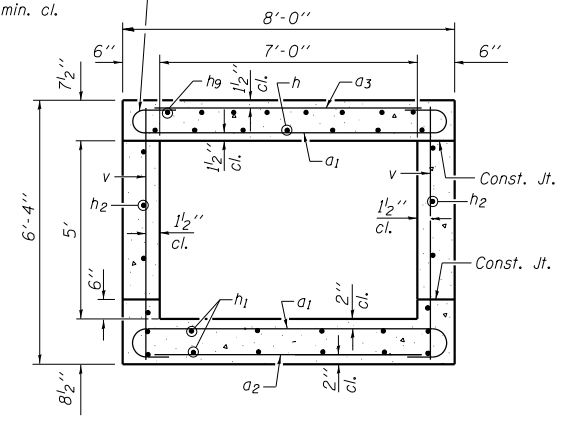
PLAN

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi
LOADING HS 20-44

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	194	#7	9'-4"	C
a2	29	#4	7'-3"	—
a3	38	#5	7'-3"	—
h	21	#7	20'-9"	—
h1	36	#5	20'-0"	—
h2	30	#5	20'-0"	—
h4	16	#6	7'-9"	—
h9	24	#4	19'-9"	—
v	150	#4	6'-0"	—
v2	24	#4	3'-0"	—
Concrete Box Culverts			Cu. Yd.	33.0
Reinforcement Bars Epoxy Coated			Pound	7550
3/4" Expansion bolts			Each	28

Tilt hook of a1 bars to provide the specified 1/2" min. cl.



SECTION THRU BARREL

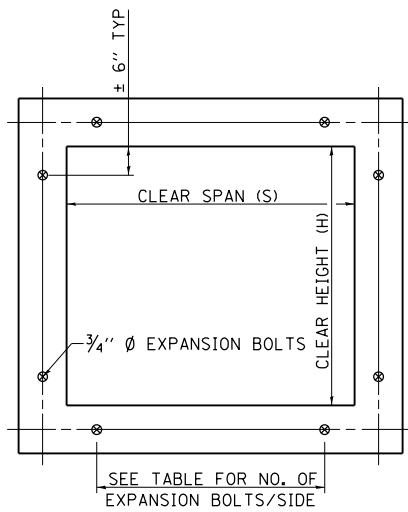
NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
Trench Backfill for this culvert shall be gradation CA 11 or other open graded material approved by the Engineer.

All construction joints shall be bonded.
Expansion bolts shall be 3/4" diameter x 12" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and have a minimum certified proof load of 4,080 lbs.

* All Reinforcement Bars shall be Epoxy Coated
** Cut in field to fit

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS



EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.

MINIMUM CERTIFIED PROOF LOAD=7500 LBS.

BOLTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR EXPANSION BOLTS, 3/4 INCH.

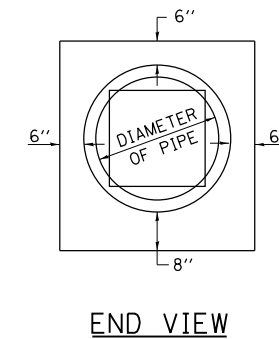
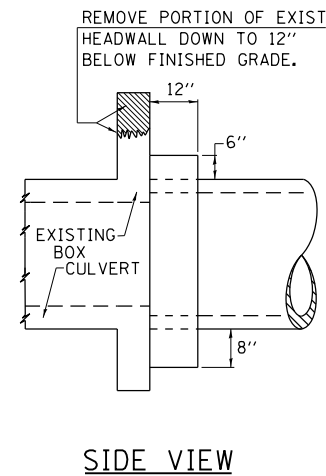
H OR S	NO. EXPANSION BOLTS REQ'D/SIDE			
	EXTENSION < 15'		EXTENSION > 15'	
	NO.	SPACING	NO.	SPACING
2.0	*	*	*	*
2.5	2	18"	2	18"
3.0	2	24"	2	24"
4.0	3	18"	3	18"
5.0	4	16"	3	24"
6.0	5	15"	4	20"
7.0	5	18"	4	24"
8.0	6	17"	5	21"
9.0	6	19"	5	24"
10.0	7	18"	6	21"
11.0	8	17"	6	24"
12.0	8	19"	7	22"

* NOTE: USE MINIMUM OF 1 EXPANSION BOLT AT EACH CORNER.

EXAMPLE:
6' X 4' BOX CULVERT TO BE EXTENDED 18' AT ONE END ONLY.

FROM TABLE FIND:
6' SIDE REQUIRES (4)-3/4" Ø EXPANSION BOLTS AT 20" CENTERS
4' SIDE REQUIRES (3)-3/4" Ø EXPANSION BOLTS AT 18" CENTERS

TOTAL NO. REQUIRED
(4+3)2 = (14)-3/4" Ø EXPAN. BOLTS



TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.16
15"	0.19
18"	0.21
24"	0.29
30"	0.37
36"	0.44
42"	0.53
48"	0.62
54"	0.71
60"	0.81
72"	1.03

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 OF THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

CROSS SECTION THRU BARREL

FOR ANCHOR BOLT REQUIREMENTS, SEE ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS.

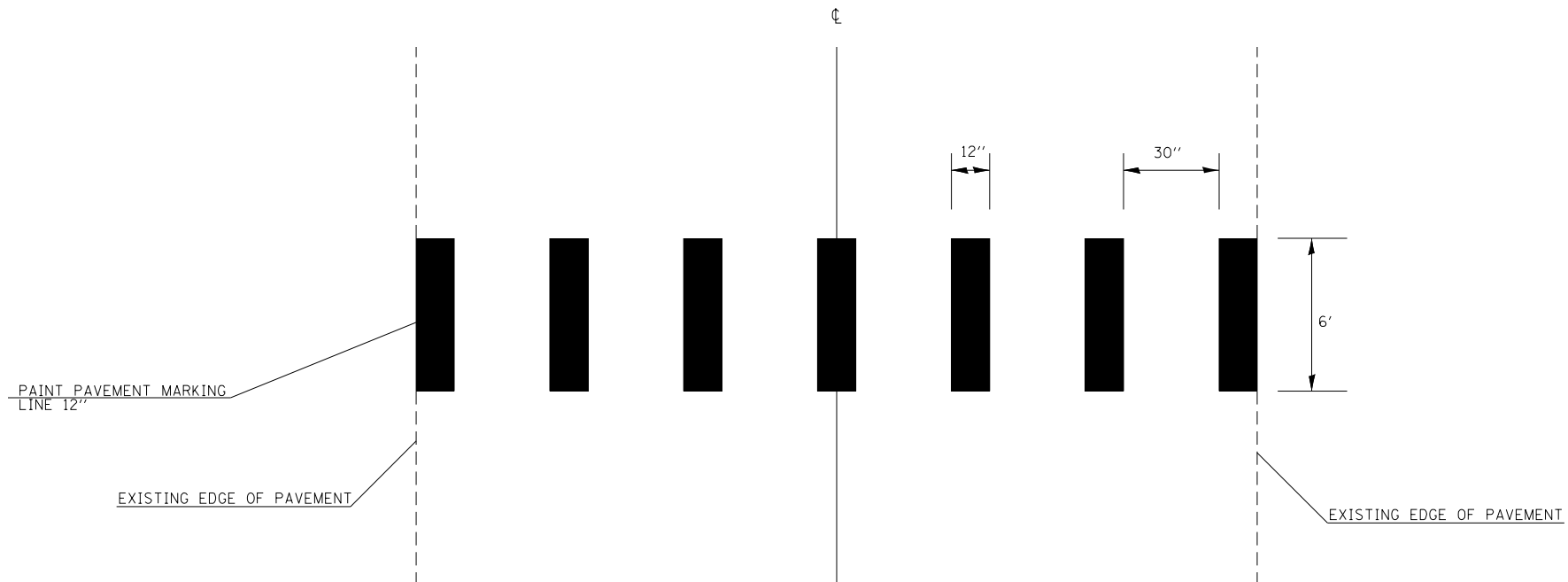
REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	12-14-01
REVISED	3-26-08
REVISED	5-16-13

STD. 9-9

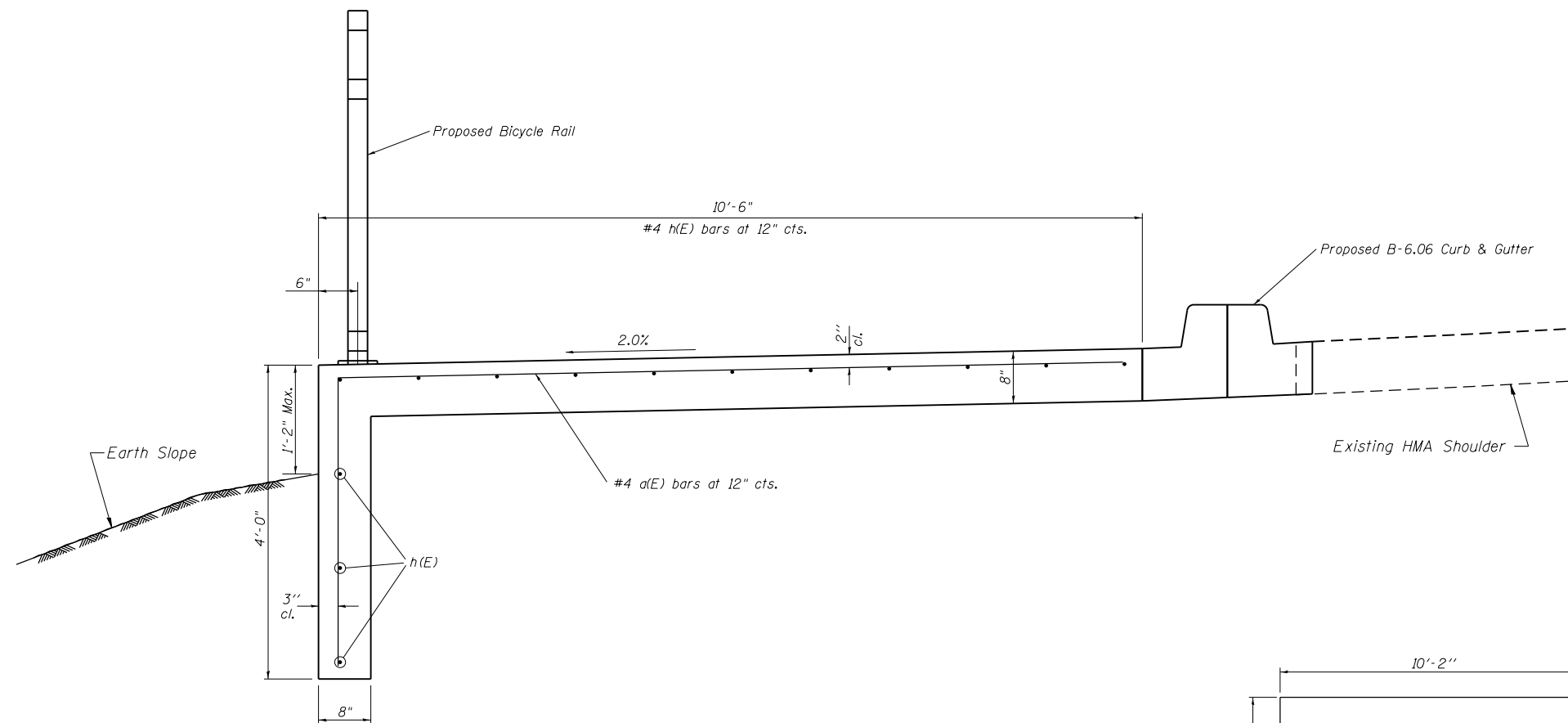
REVISIONS	
REDRAWN	2-15-89
REVISED	8-19-94
REVISED	3-25-08

STD. 9-19

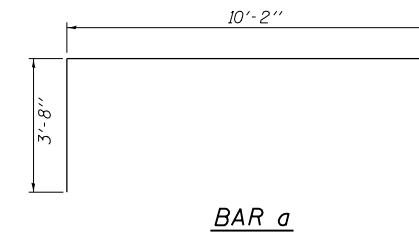
CROSSWALK PAVEMENT MARKING DETAIL



FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS - EXPANSION BOLTS, CONCRETE COLLAR, CROSSWALK PAVEMENT MARKING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78375\Drawings\CAD\Drawings\78375-shu-details.dgn		DRAWN -	REVISED -			331	(12-1)I-6,B-2	JACKSON	130	66
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS		STA.	TO STA.	
	DATE = 4/22/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT		CONTRACT NO. 78375		



SECTION
TO BE USED:
STA 13+37 TO 14+00



BAR a

DESIGN STRESSES
 $f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
An expansion joint shall be constructed at each end of the structure where it meets the adjoining sidewalk. In addition, a sawed contraction joint shall be made at the midpoint - approximately Sta. 13+68.5. The cost of the preformed joint filler, water seal, and concrete nails shall be included in the cost of Concrete Box Culverts.

The bicycle rail shall be installed on top of the toe wall.
Subbase Granular Material, Type A 4" shall be placed prior to the construction of the Sidewalk / Toe Wall. This subbase had been included in the contract quantities.
A minimum bar lap of 1'-8" shall be used for overlapping #4 h(E) bars.

*** BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	64	#4	13'-10"	U
h(E)	42	#4	23'-10"	—
Concrete Box Culverts			Cu. Yd.	21.8
Reinforcement Bars Epoxy Coated			Pound	1260

* All Reinforcement Bars shall be Epoxy Coated

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78375\Drawings\CAD\Sheets\78375-sh1-detailed.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/22/2015	DATE -	REVISED -

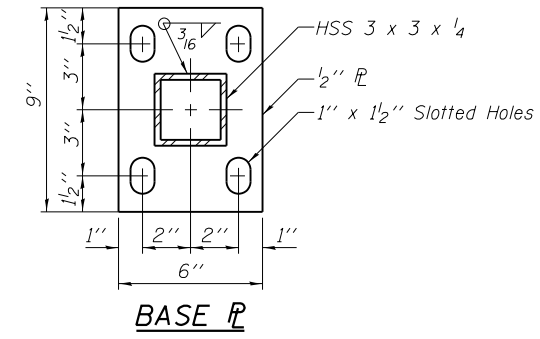
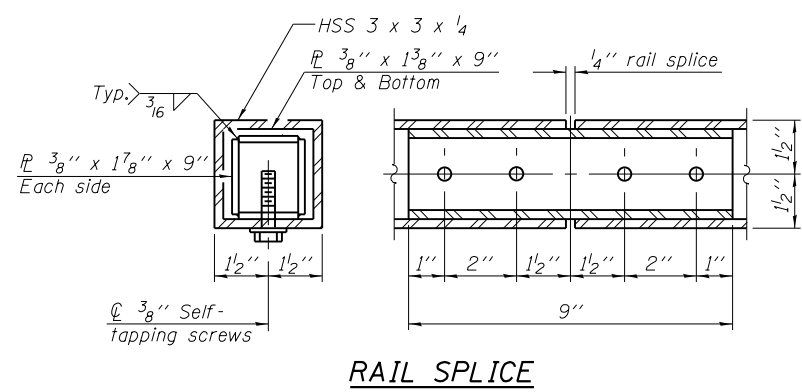
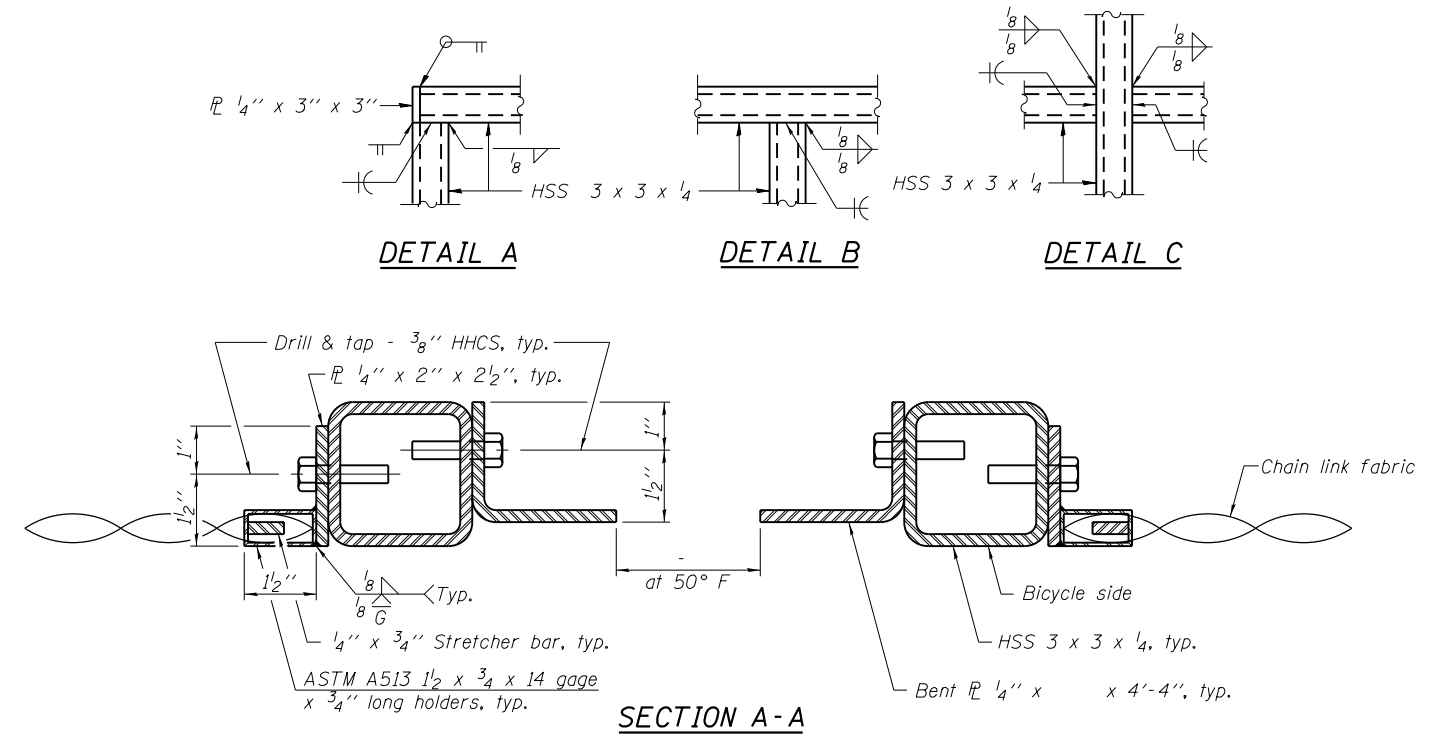
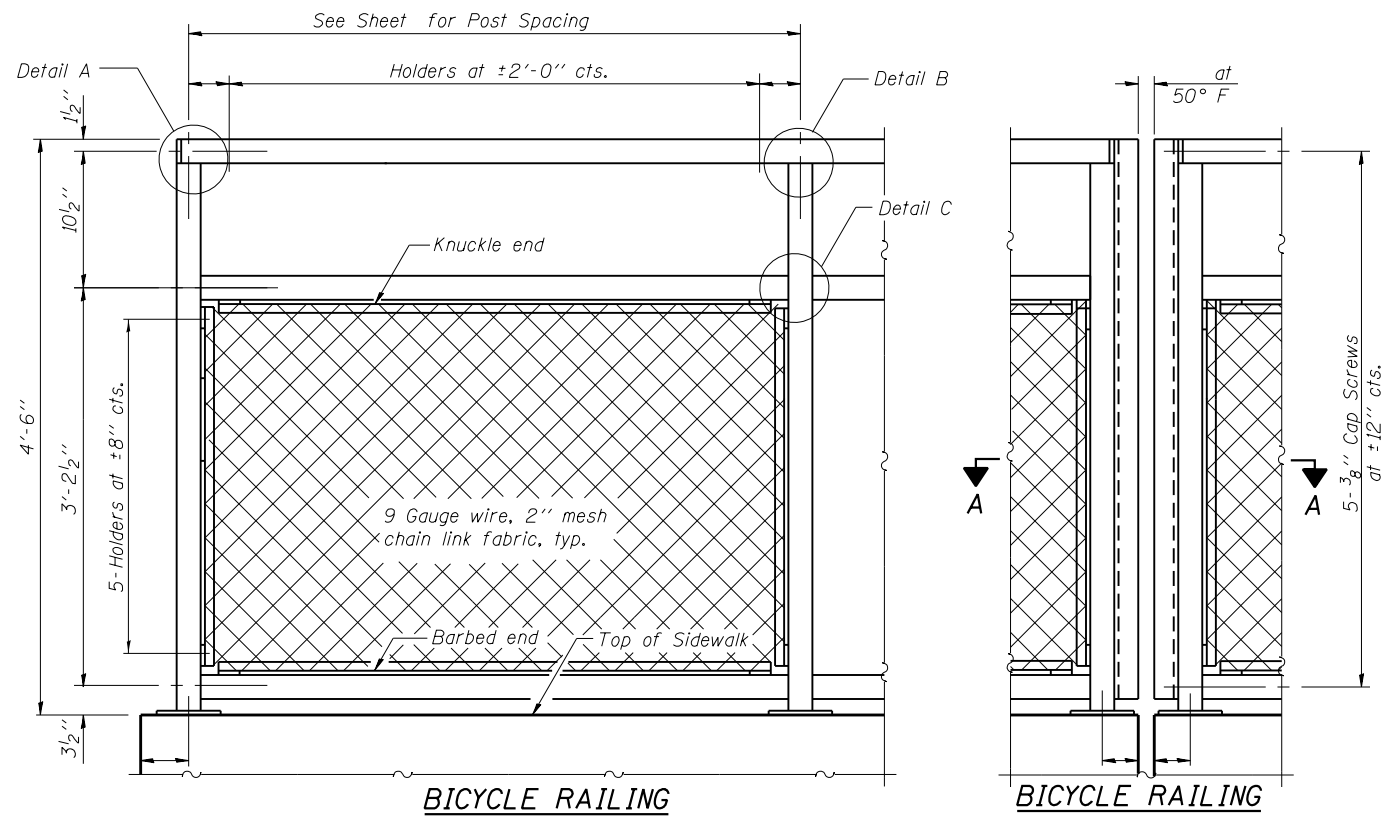
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL - SIDEWALK / TOE WALL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	67
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

(12-11)-6,B-2



NOTES

1. All post, railing, splices, anchor devices, and bent plates shall be painted black.
2. The Contractor shall drill and epoxy 1/2" φ anchor rods for post bases according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications. Min. embedment shall be 4 1/2".

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	60

DETAILS OF INLET TO BE RECONSTRUCTED

EXISTING

PROPOSED

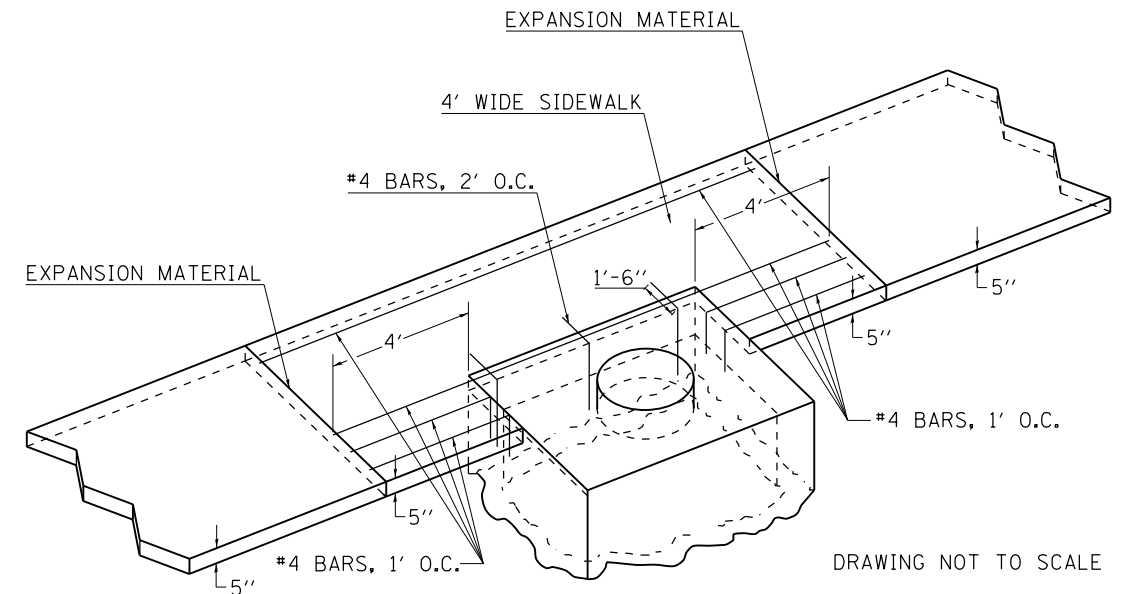
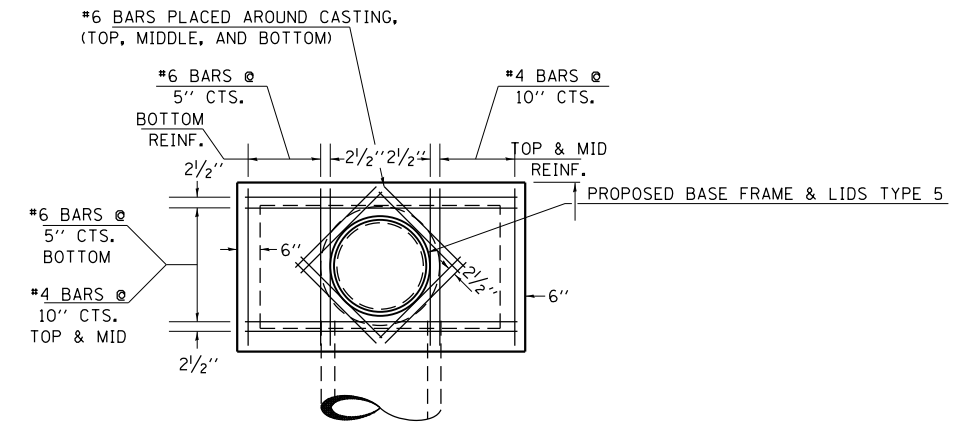
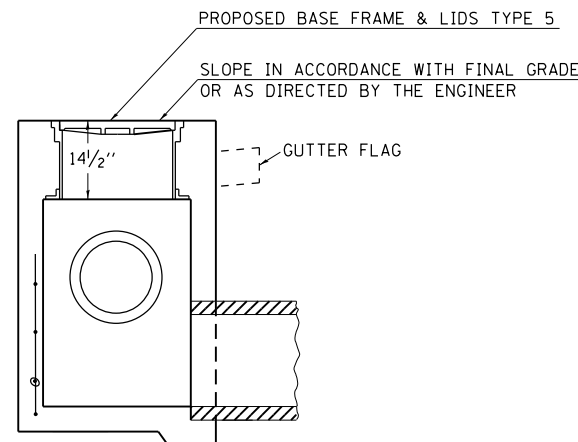
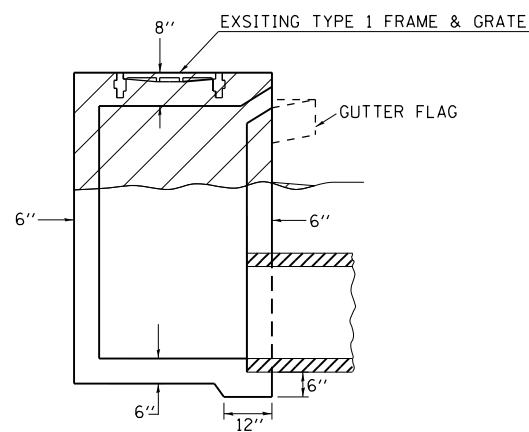
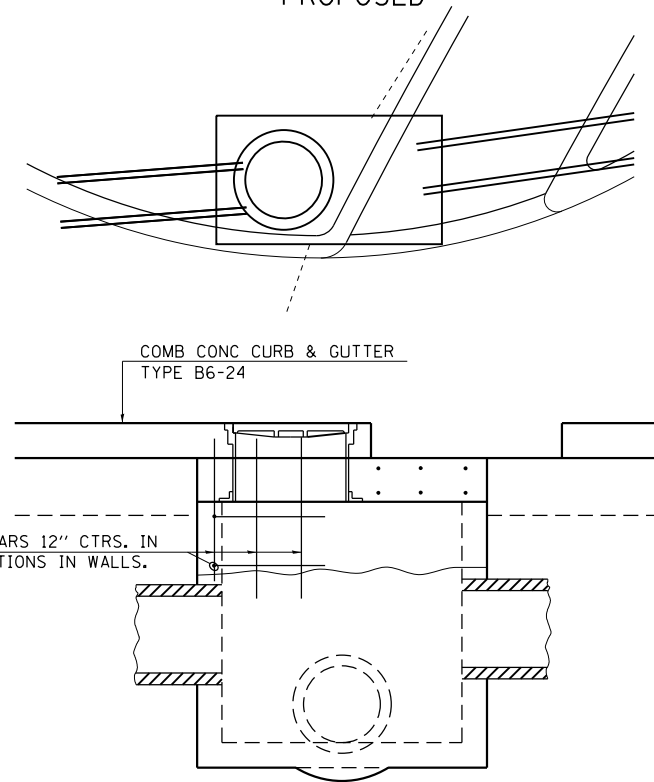
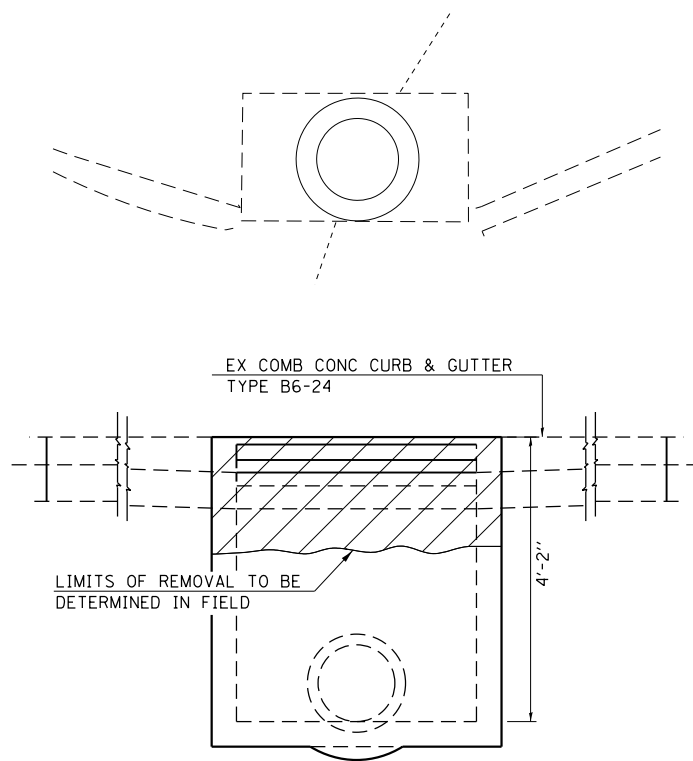
PLAN

ELEVATION

SECTION

INLET/SIDEWALK JOINT

REINFORCEMENT PLAN



NOTES:

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

CLASS S1 CONCRETE SHALL BE USED THROUGHOUT. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

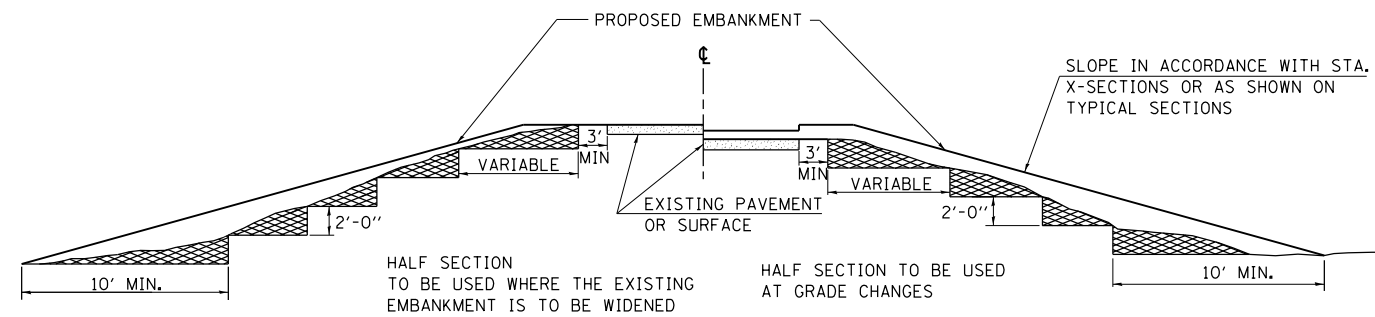
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR **INLETS TO BE RECONSTRUCTED WITH NEW FRAME AND GRATE, SPECIAL** WHICH PRICE SHALL INCLUDE THE BASE, FRAME AND LIDS TYPE 5, THE REINFORCEMENT BARS, AND JOINT FILLER.

NOTES:

- PAYMENT FOR THIS WORK SHALL BE AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PCC SIDEWALK 5". NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE REBAR REINFORCEMENT.
- 5/8" HOOK BARS WITH THREADED COUPLING MAY BE USED IN LIEU OF THE #4 REBARS. (SEE STD 420001)

FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL - INLET TO BE RECONSTRUCTED	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78375\Drawings\CAD\Sheets\78375-shu-details.dgn	DRAWN	REVISION	REVISION			331	(12-1)I-6,B-2	JACKSON	130	69
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISION -			CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 4/22/2015	DATE -	REVISION -			SCALE:	SHEET OF SHEETS	STA. TO STA.		

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



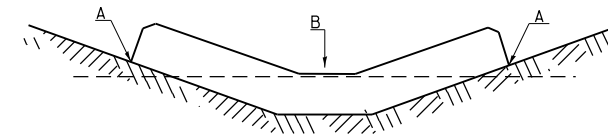
MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08

STD. 9-16

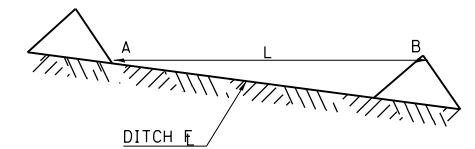
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



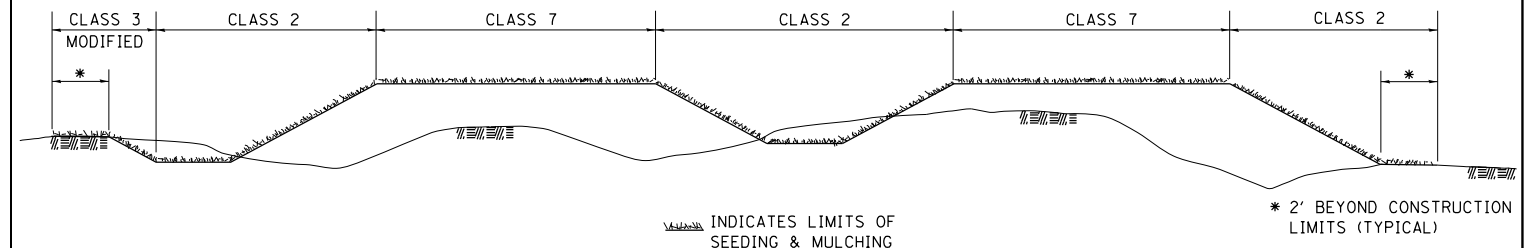
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

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

STD. 9-108

SEEDING & MULCHING



GENERAL NOTES

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

FOR SLOPES GREATER THAN 1:3 (H:V) CLASS 3 MODIFIED SHALL BE USED.

FERTILIZER NUTRIENTS AND AGRICULTURAL LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS EXCEPT THOSE AREAS SEEDED WITH CLASS 7 UNLESS OTHERWISE SPECIFIED.

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

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

ALL AREAS THAT ARE TO BE LEFT BARE FOR ONE MONTH SHALL RECEIVE CLASS 7 SEEDING.

ANY AREAS THAT CANNOT RECEIVE PERMANENT SEEDING BEFORE WINTER SHUTDOWN SHALL BE SEEDED WITH CLASS 7 SEEDING.

REVISIONS	
DRAWN	4-11-95
REVISED	3-27-08
REVISED	
REVISED	

STD. 9-101

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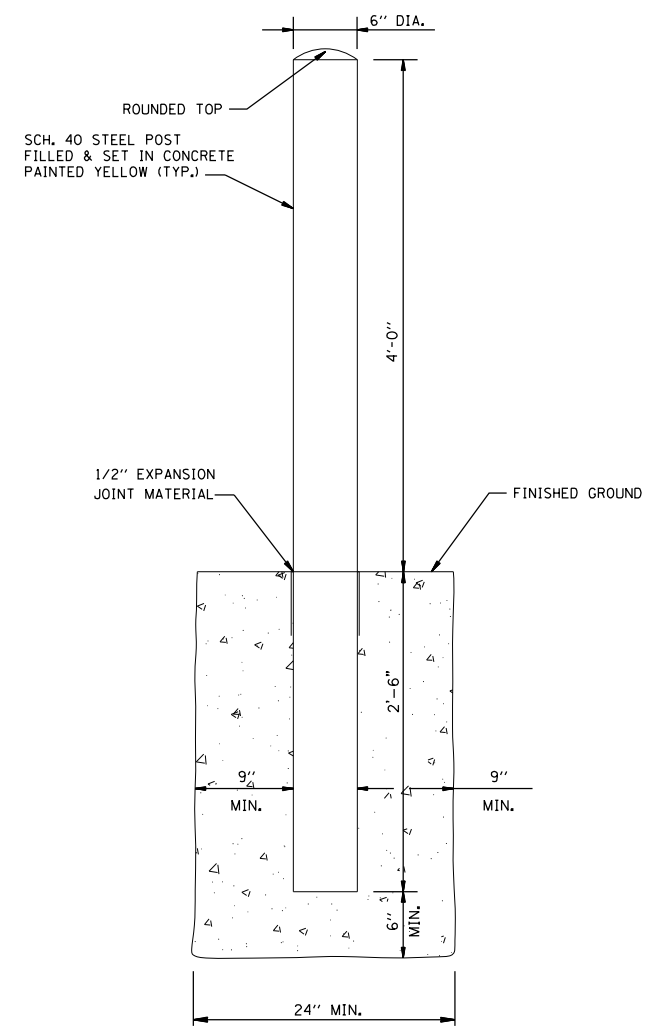
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS - STEP CONSTRUCTION,
DITCH CHECKS, SEEDING & MULCHING**

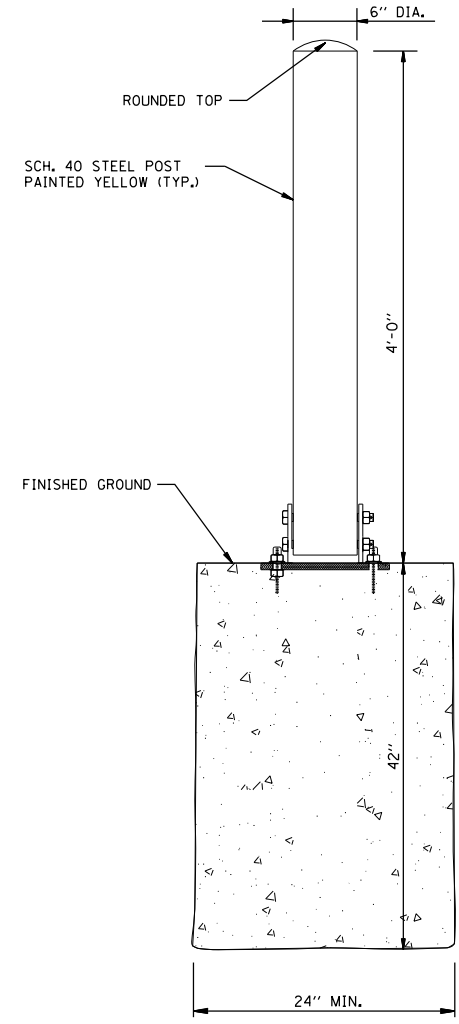
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	70
CONTRACT NO. 78375				
ILLINOIS FED. AID PROJECT				

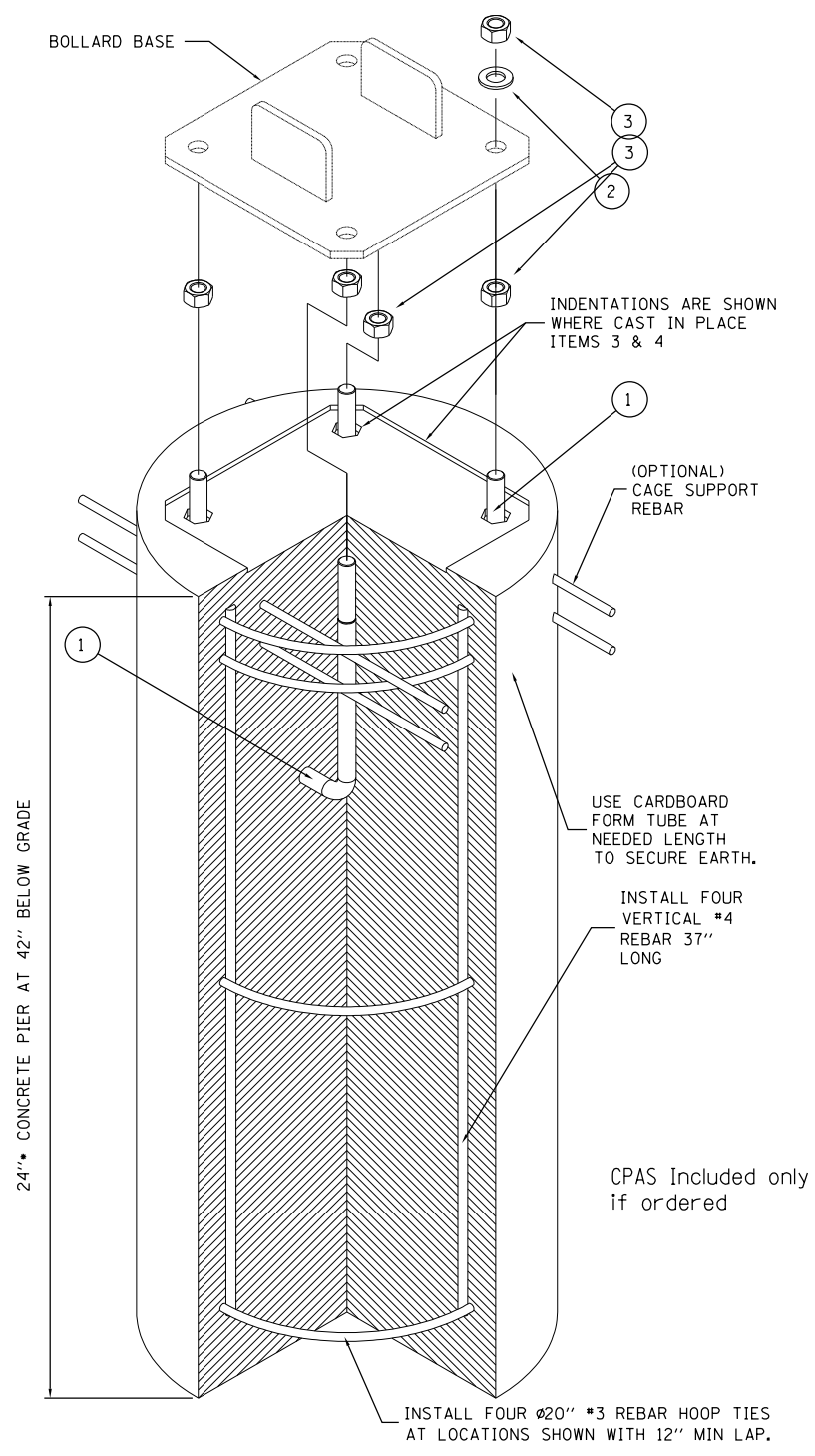
(12-11)-6,B-2



6" DIAMETER BOLLARD DETAIL



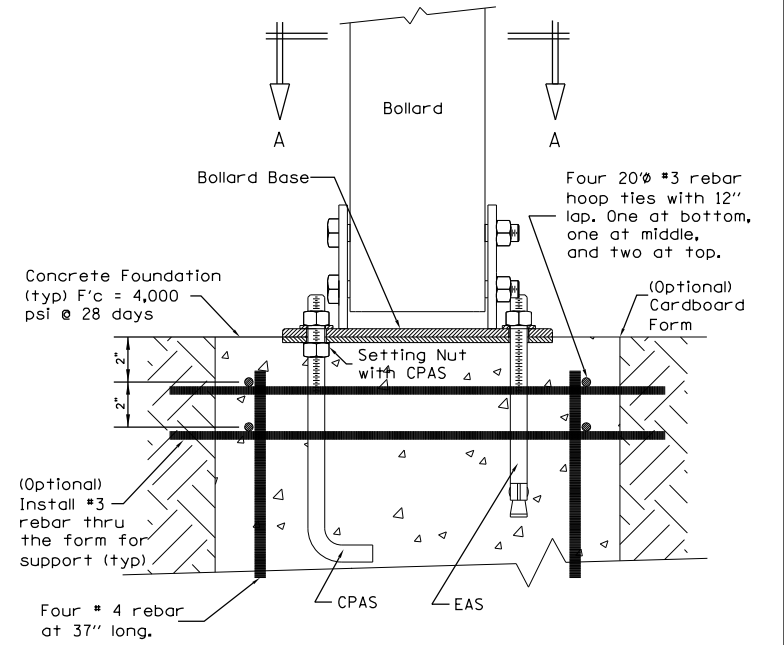
FOLD DOWN BOLLARD DETAIL



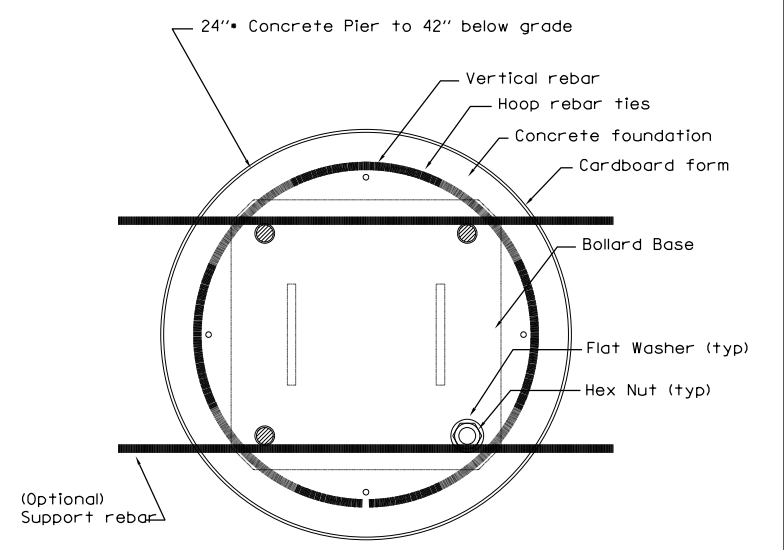
CONCRETE PIER ANCHOR SYSTEM (CPAS)

BILL OF MATERIAL		
ITEM PART #	DESCRIPTION	QTY.
• 9001	CPAS KIT - INCLUDES THE FOLLOWING PART NUMBERS	•
1	0002 $\phi 3/4"$ x 12" TYPE L ANCHOR BOLT-H.D.G.	4
2	0007 $\phi 3/4"$ TYPE A FLAT NARROW WASHER GALVANIZED STEEL	4
3	0006 $\phi 3/4"$ HEX NUT GALVANIZED STEEL	8

NOTE: CONCRETE, FORM AND REBAR PROVIDED BY OTHERS



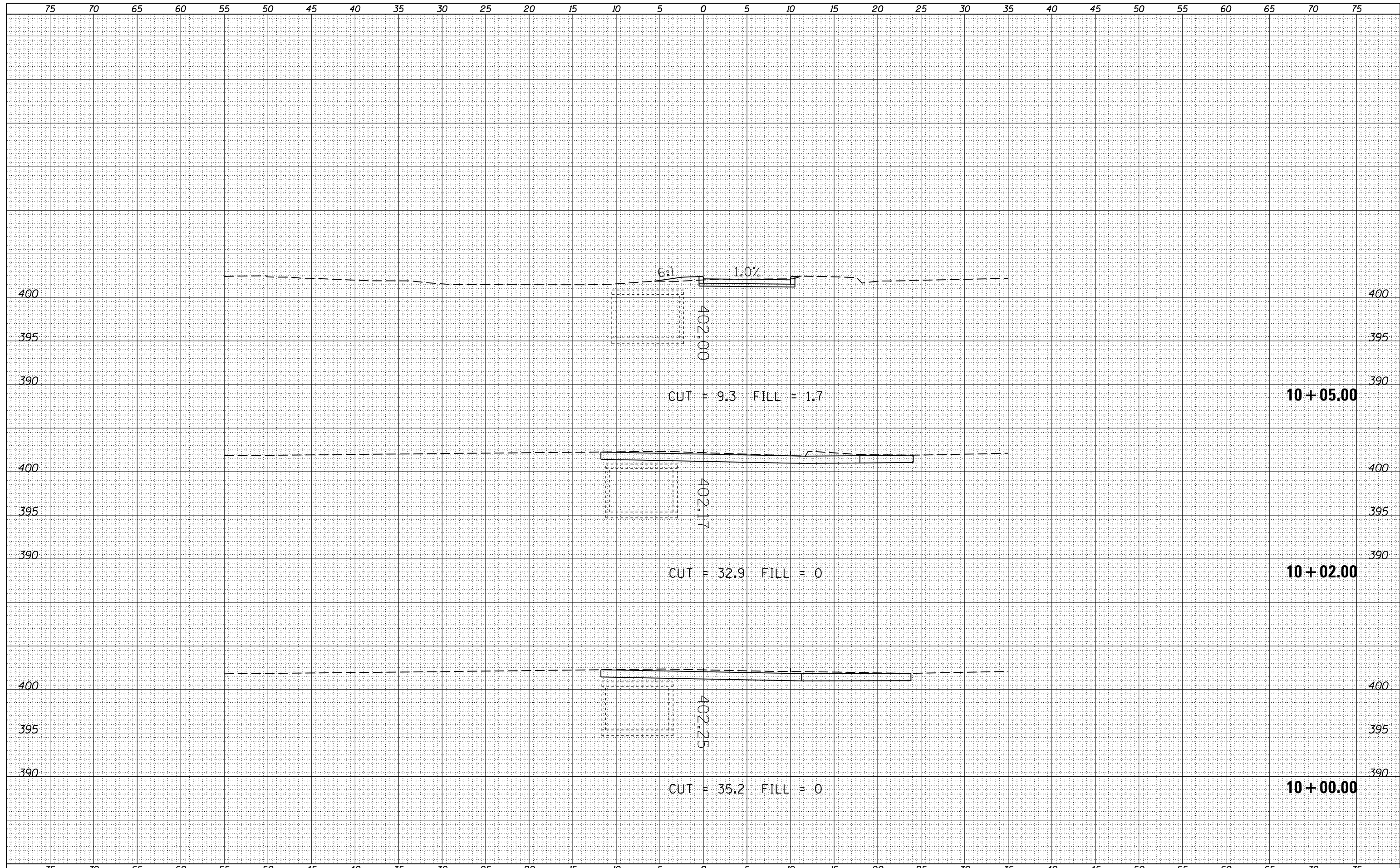
Front Elevation Section



Plan Section "A-A"

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

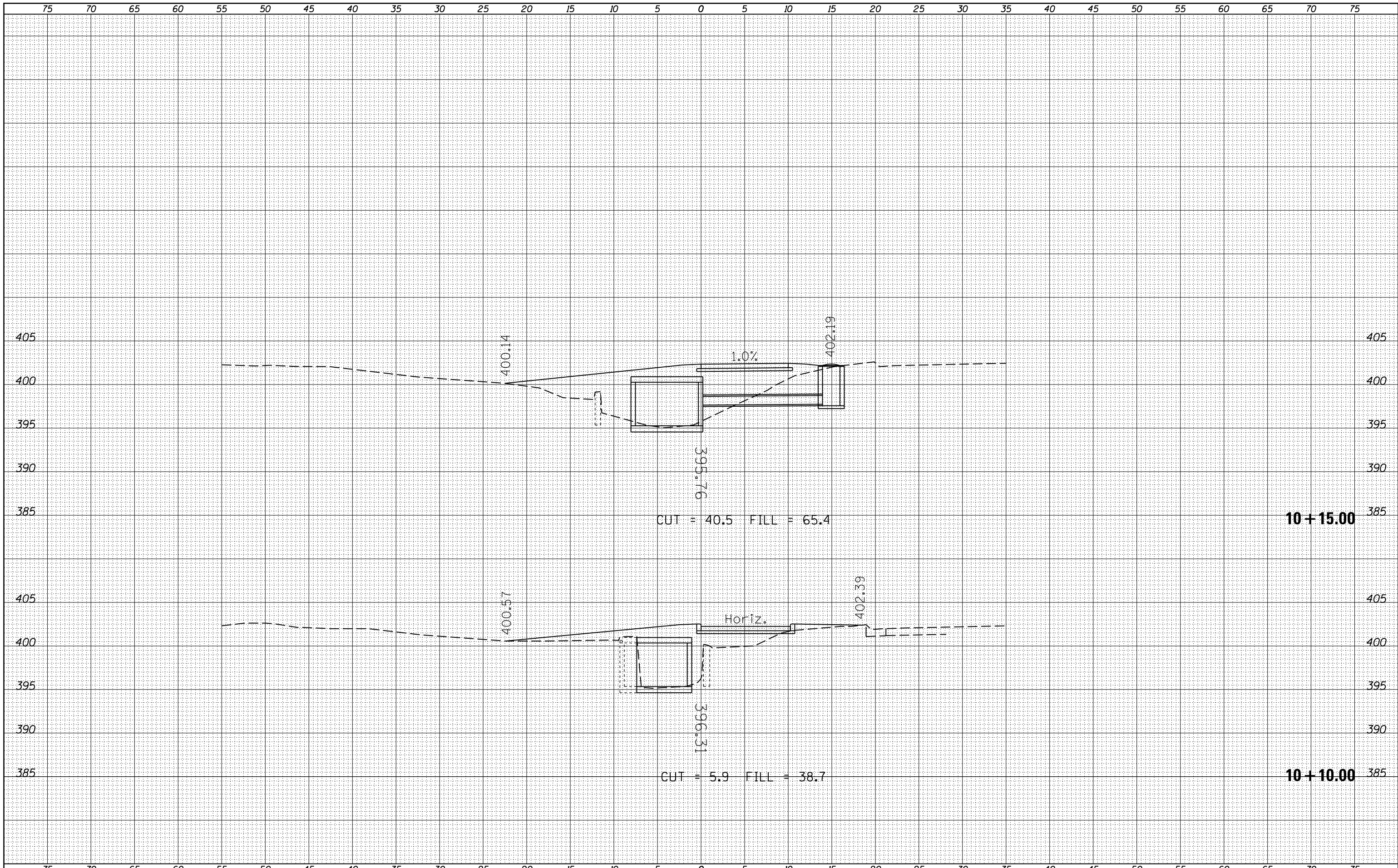
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA. 10+00.00	TO STA. 10+05.00
c:\pw_work\pwidot\lavenderba\d0349233\ss4.shd	xsections.dgn	DRAWN -	REVISIED -		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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MODELNAME		PLOT DATE = 3/27/2015	DATE -		REVISIED -	ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE



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PLOT DATE = 3/27/2015	DATE -	REVISED -

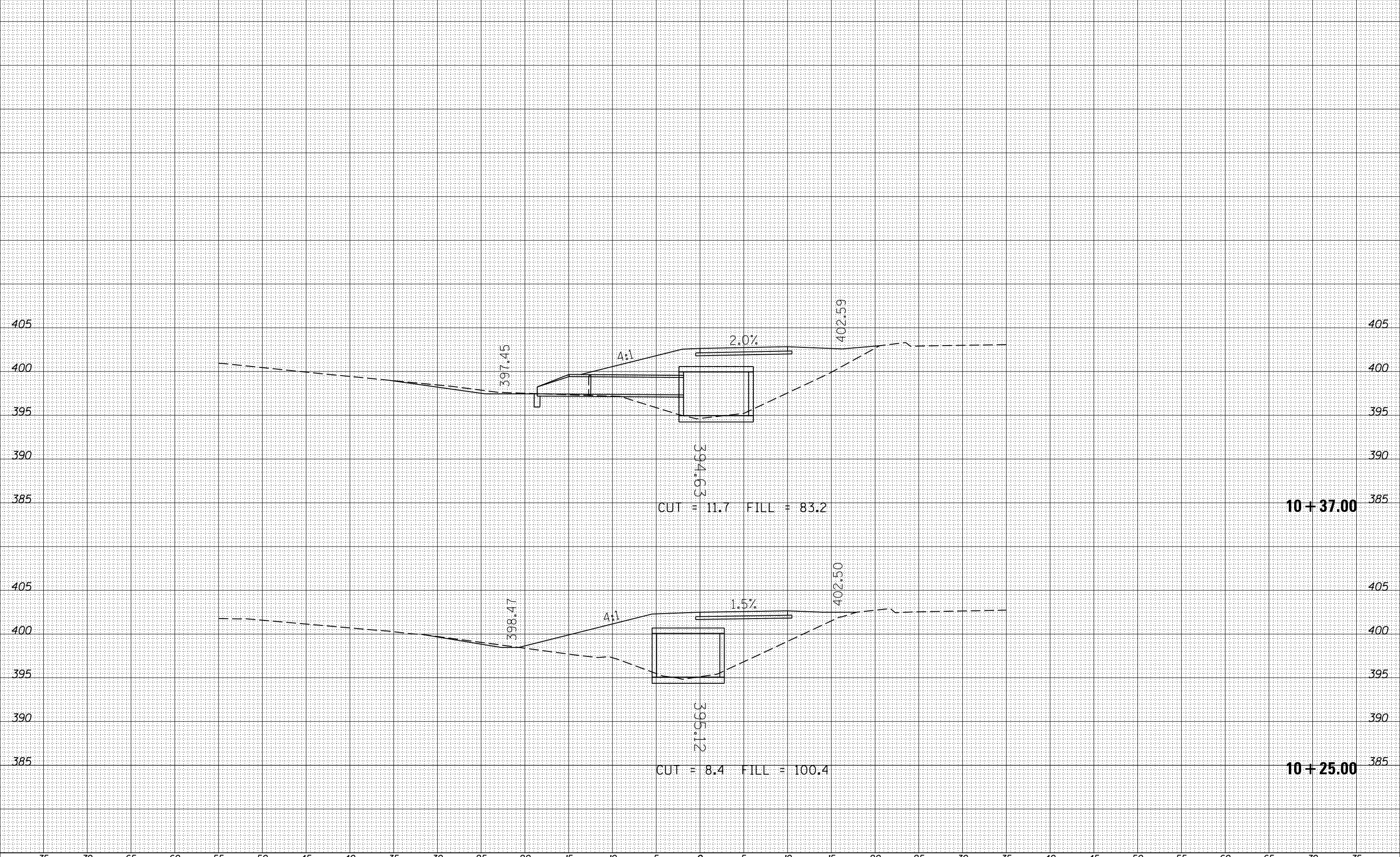
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 10+10.00	TO STA. 10+15.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)1-6,B-2	JACKSON	130	73
CONTRACT NO. 78375			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

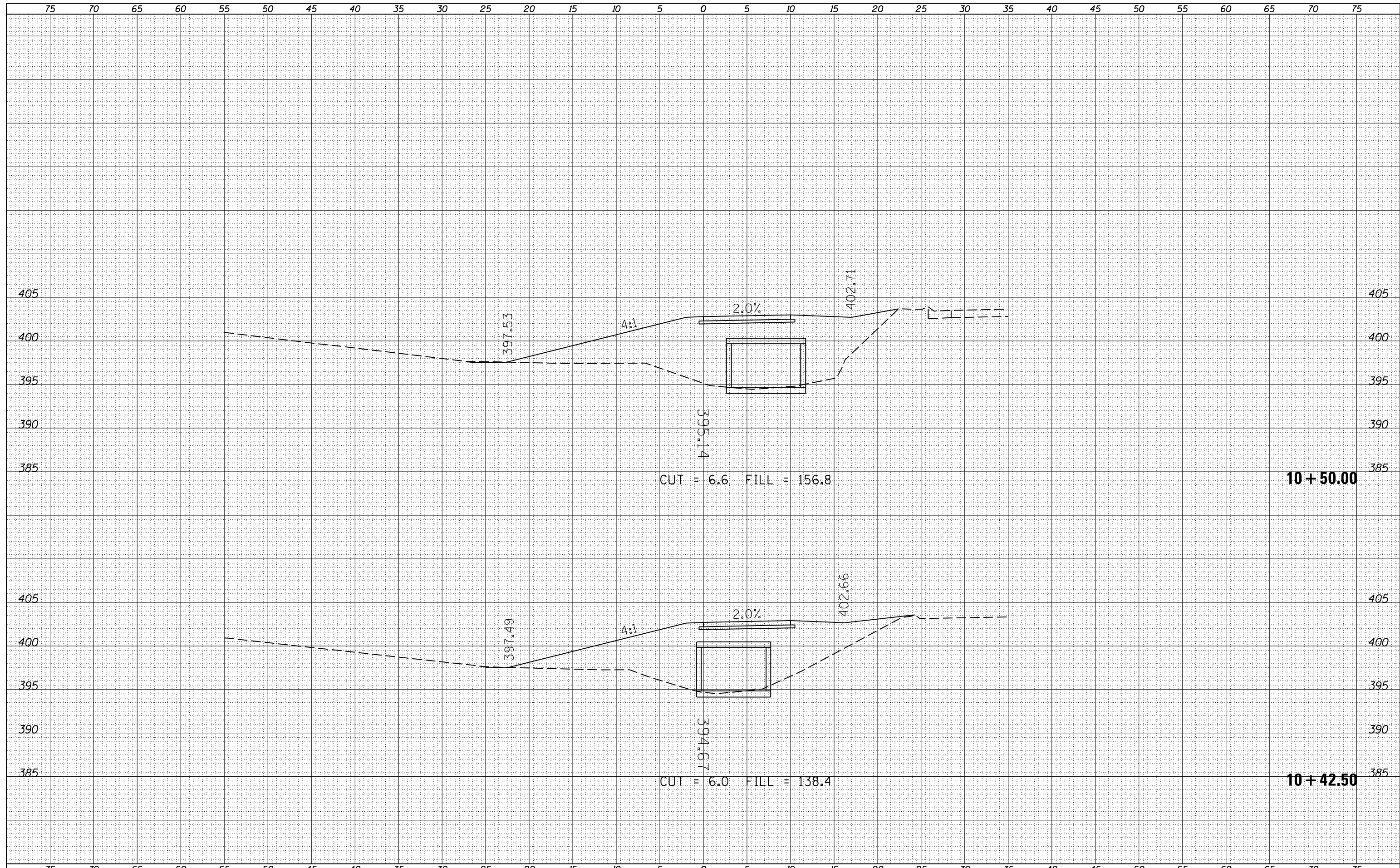


ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
NOTE BOOK NO.	TEMPLATE AREAS CHECKED
BY	DATE

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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 78375												
PLOT DATE = 3/27/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT												

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NOTE BOOK	
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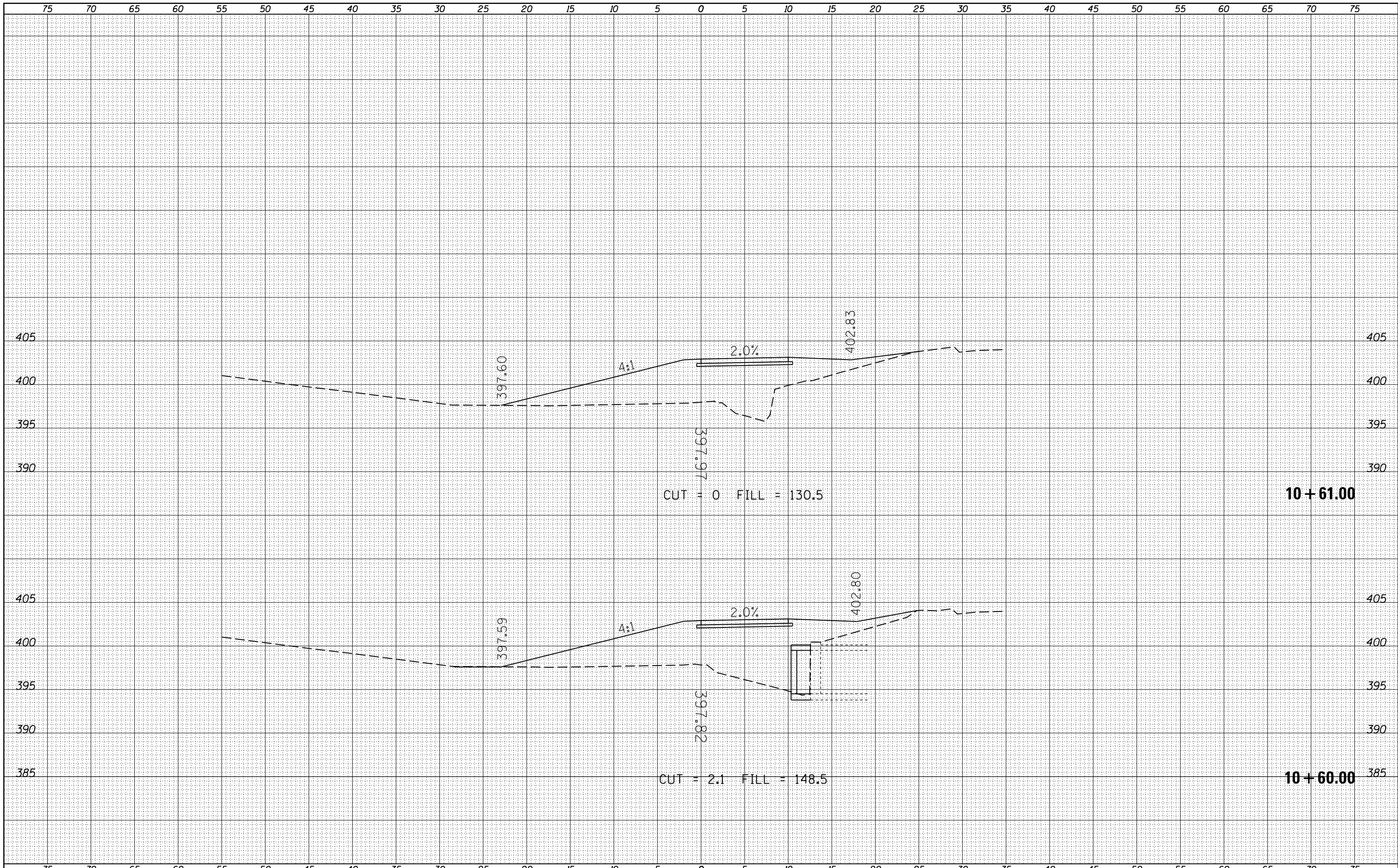
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	PLOT DATE = 3/27/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT (12-11)-6,B-2				

BY	DATE
SURVEYED	
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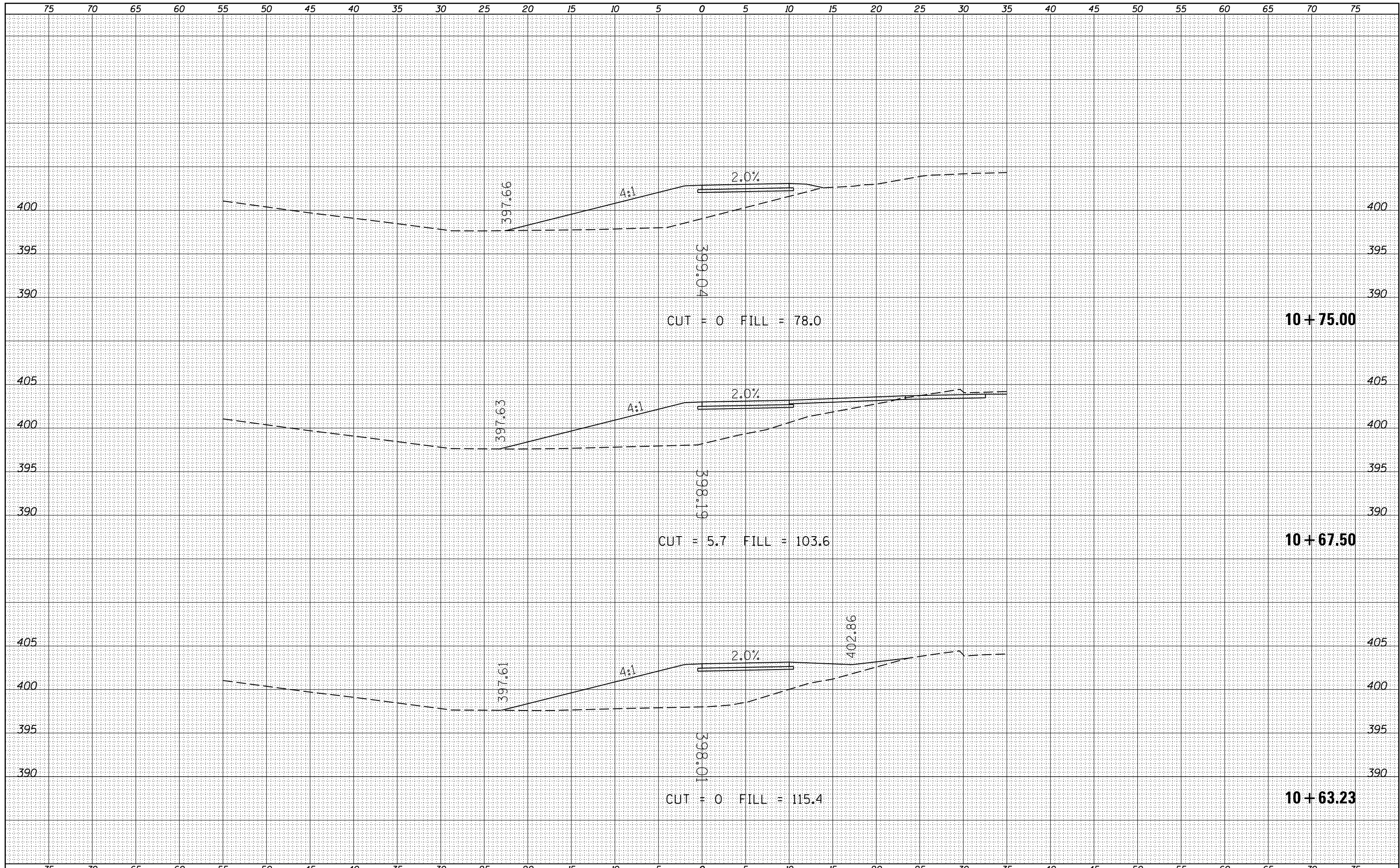
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)I-6,B-2	JACKSON	130	76
			CONTRACT NO.	78375
ILLINOIS FED. AID PROJECT				
(12-1)I-6,B-2				

SCALE: SHEET OF SHEETS STA. TO STA. 10+61.00

BY	DATE
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NO.	TEMPLATE
	AREAS
	CHECKED

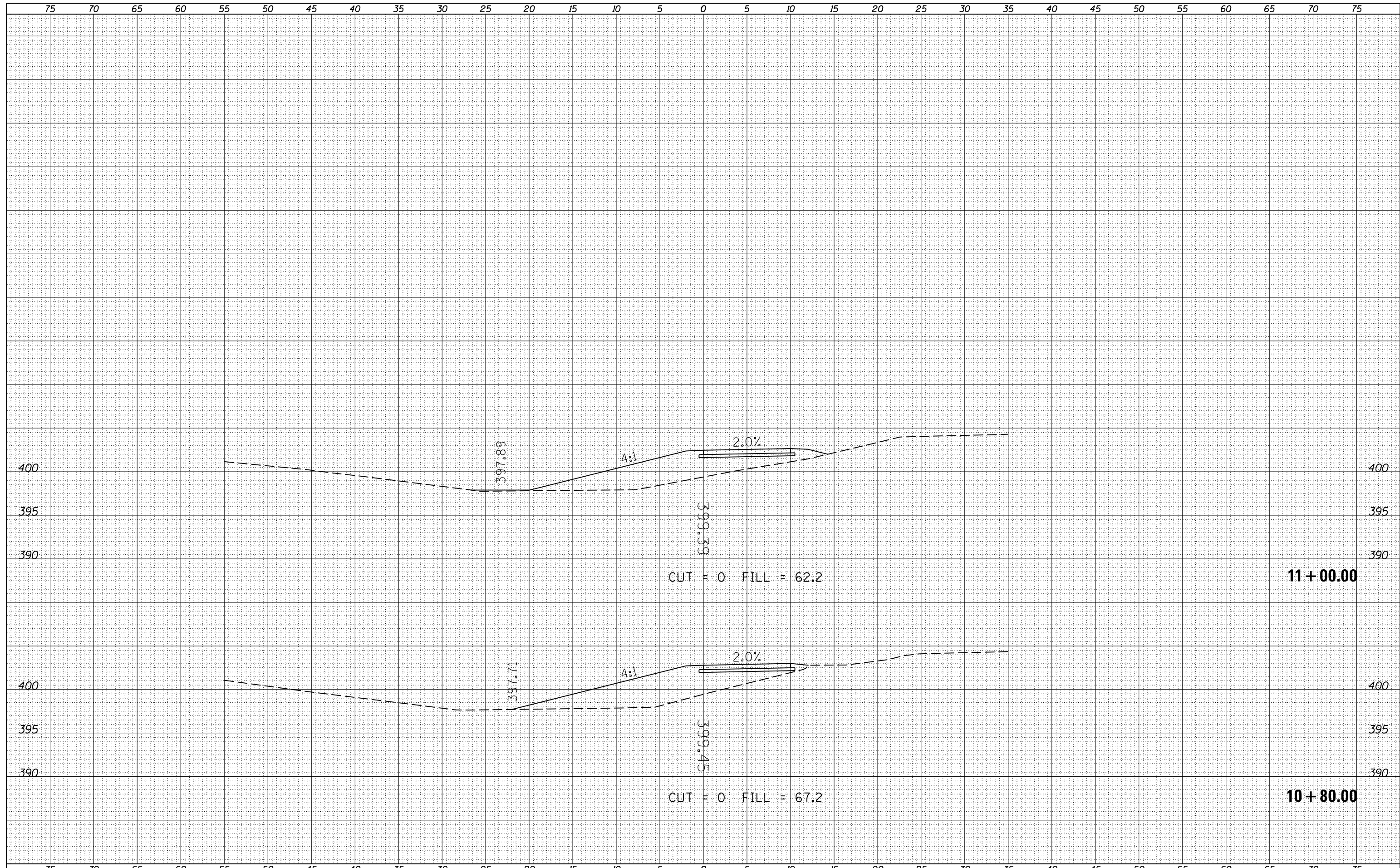
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	AREAS
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											331	(12-11)-6,B-2	JACKSON	130	77
											ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375	
											(12-11)-6,B-2				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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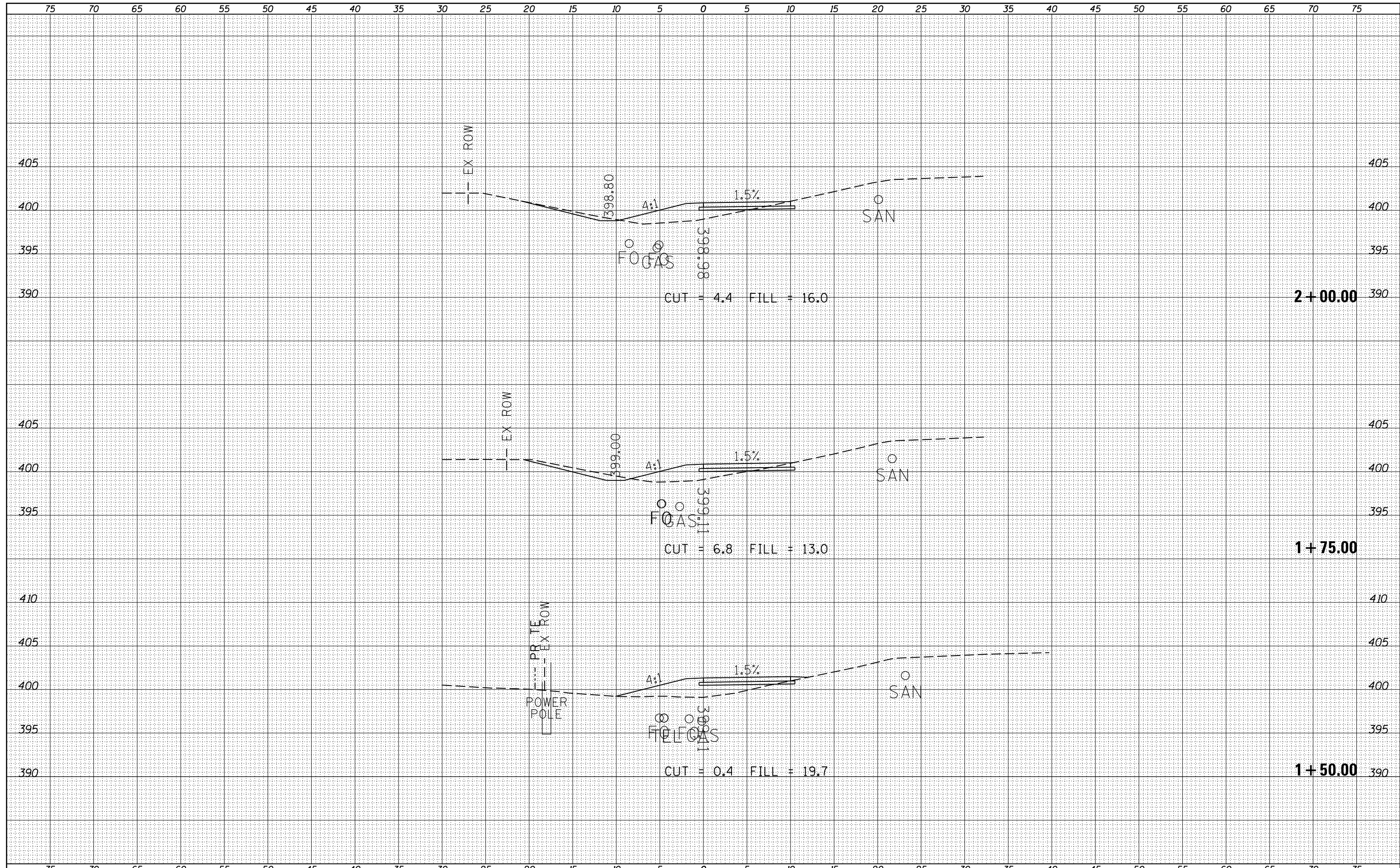
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA. 10+80.00	TO STA. 11+00.00	
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\$MODELNAME\$		PLOT DATE = 3/27/2015	DATE -		REVISIED -	ILLINOIS FED. AID PROJECT			CONTRACT NO. 78375		

DATE	
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FINAL SURVEY	
NOTE BOOK	
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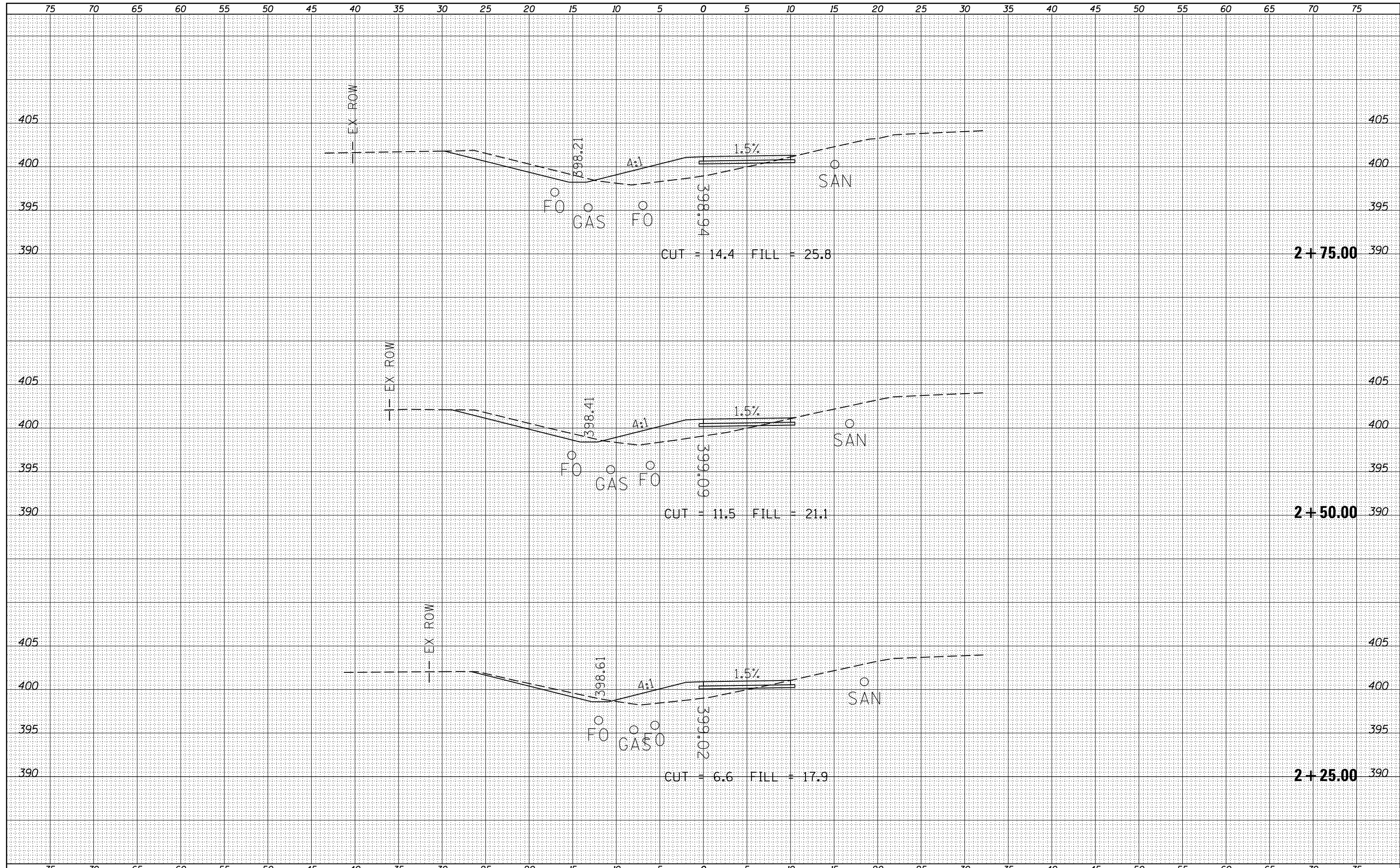
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DATE	
BY	
SURVEYED	
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NOTE BOOK	
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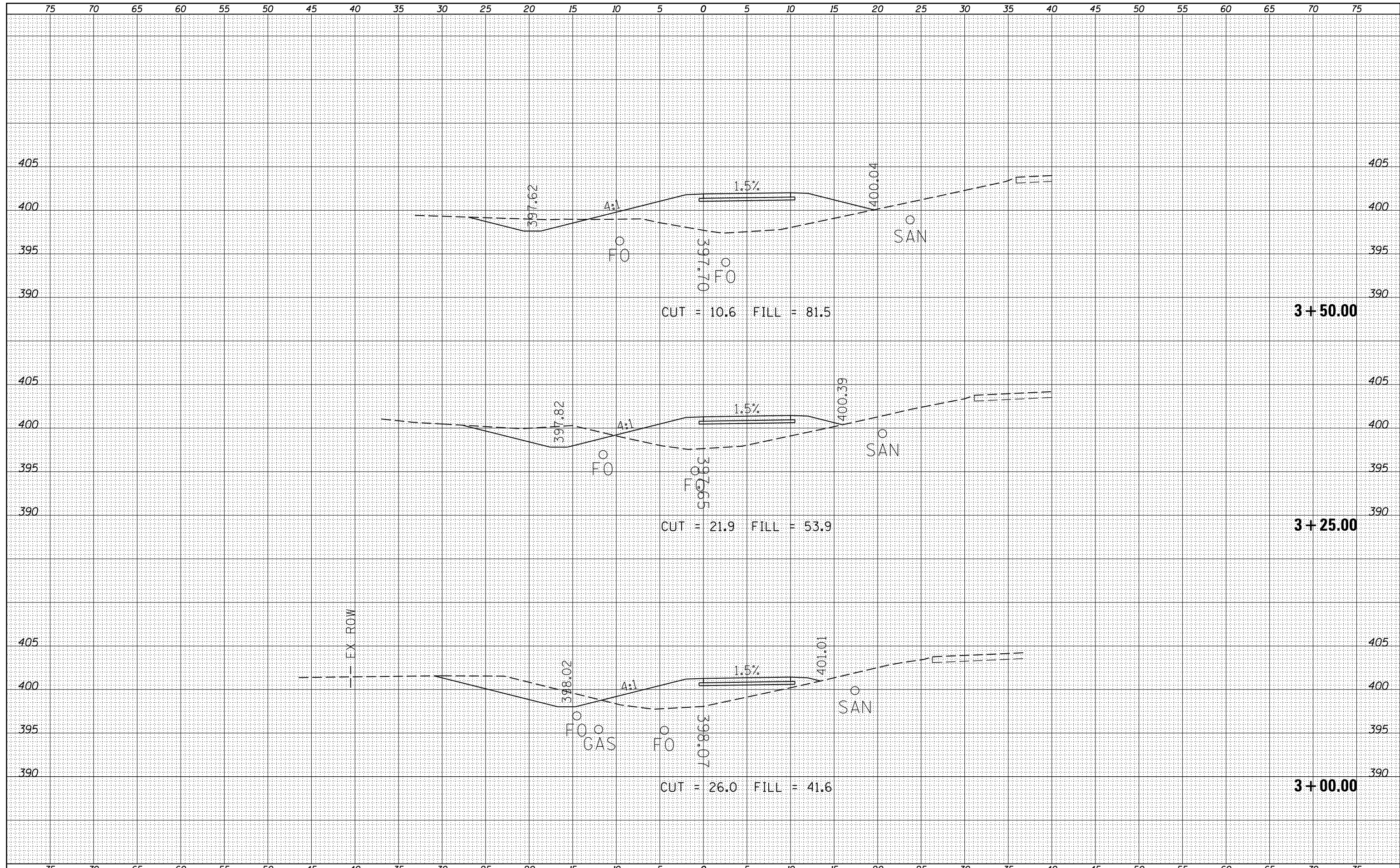
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NOTE BOOK	
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	PLOT DATE = 3/27/2015	DATE -	REVISIED -								ILLINOIS FED. AID PROJECT				

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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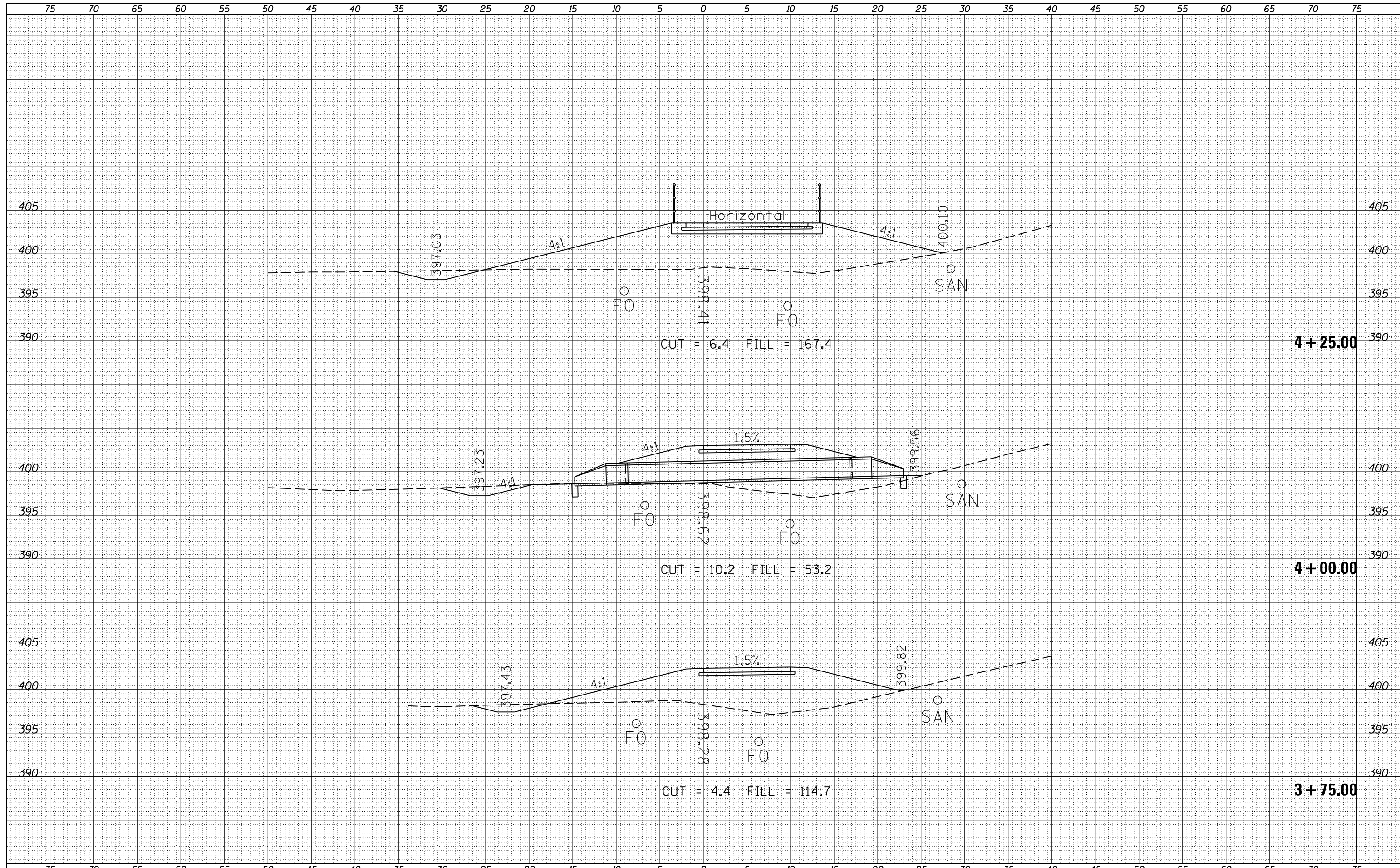


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		CHECKED -	REVISIED -		
		DATE -	REVISIED -		
\$MODELNAME\$	PLOT DATE = 3/27/2015				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11)-6,B-2	JACKSON	130	82
CONTRACT NO.			78375	
ILLINOIS FED. AID PROJECT				
(12-11)-6,B-2				

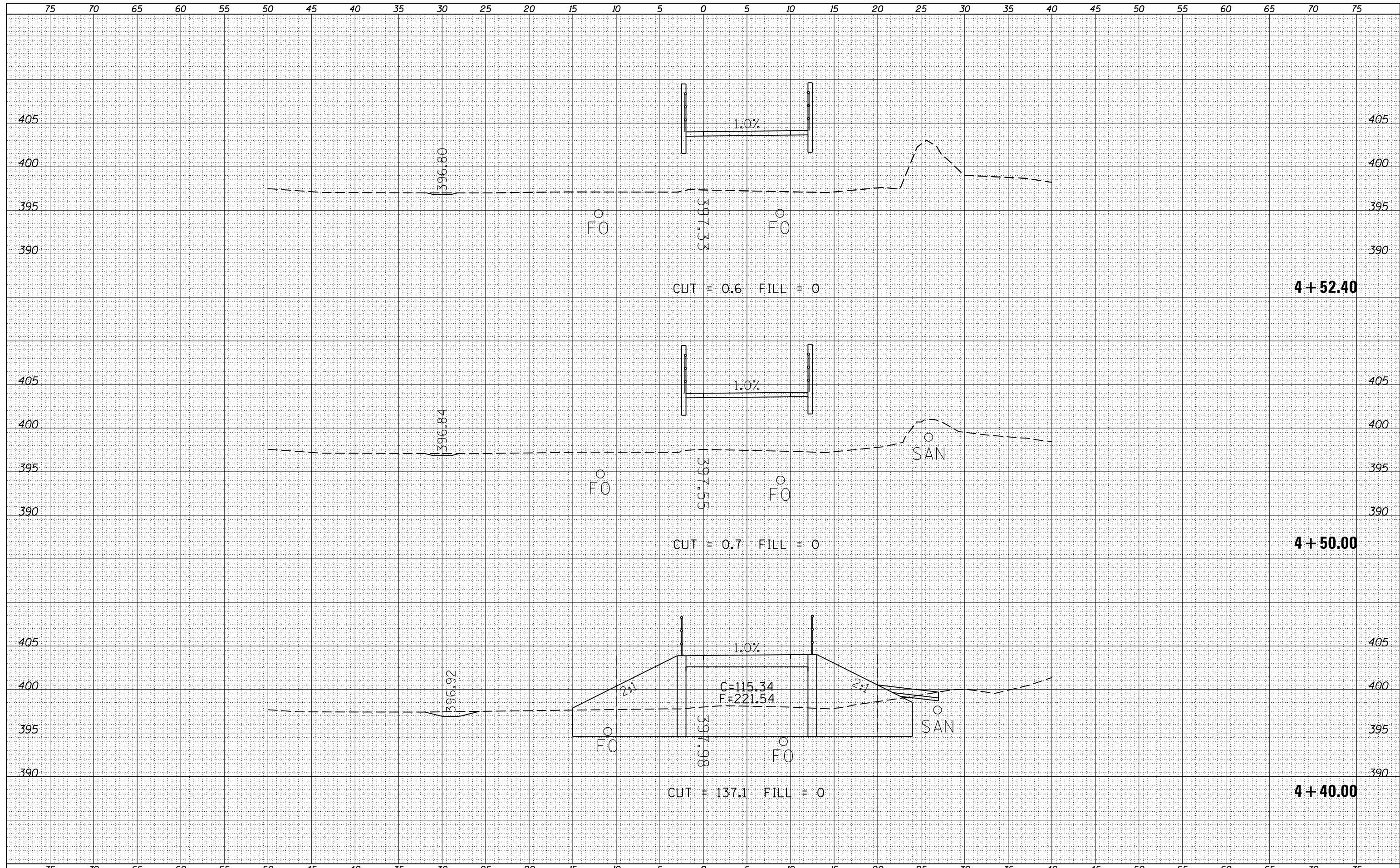
BY	DATE
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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



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

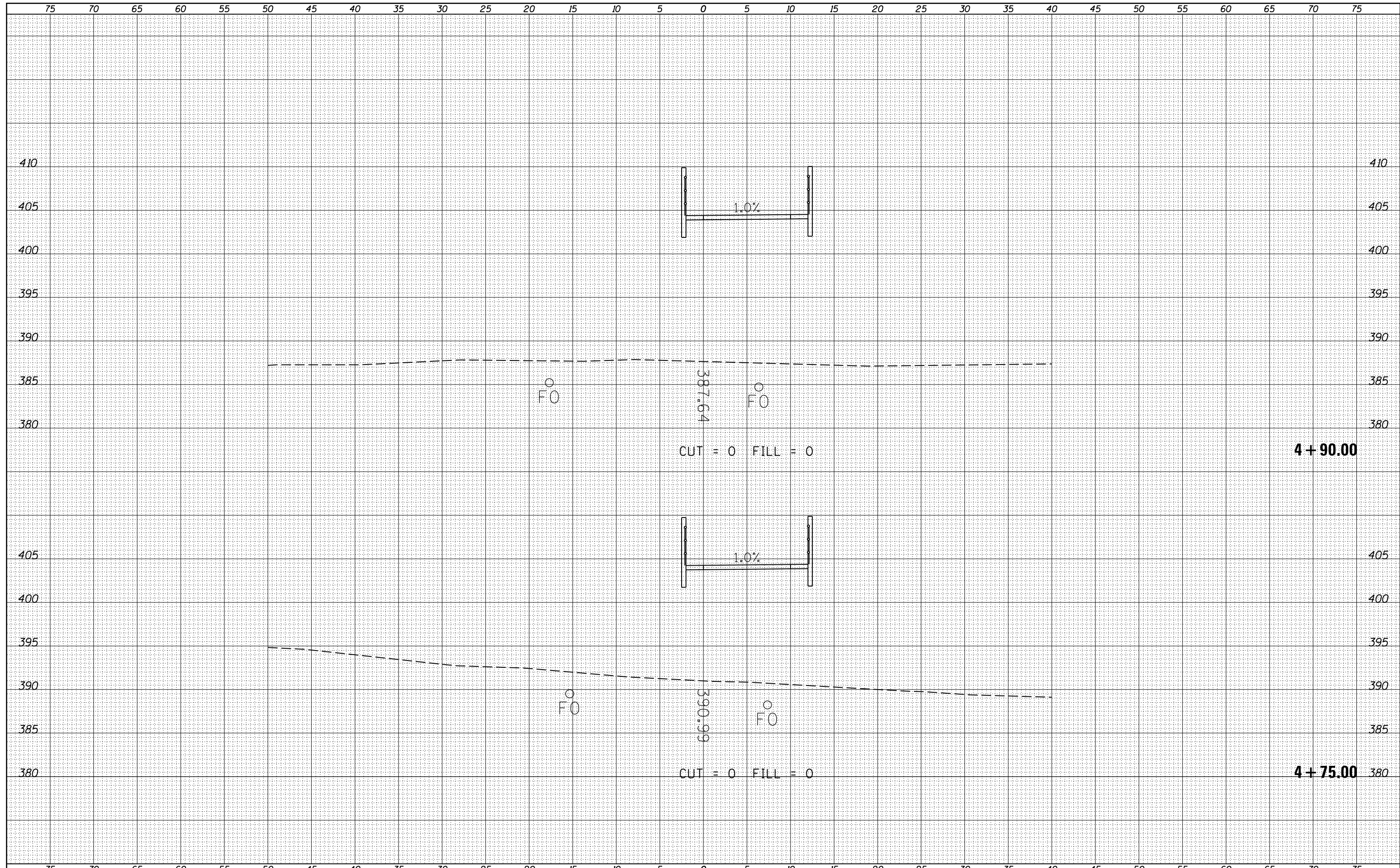
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c:\pw_work\pwidot\lavenderba\d0349233\ss4.shd	xsections.dgn	DRAWN -	REVISED -			331	(12-1)I-6,B-2	JACKSON	130	84	
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	PLOT DATE = 3/27/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT (12-1)I-6,B-2					

DATE	
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SURVEYED	
PLOTTED	
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FINAL SURVEY	
NOTE BOOK	
NO.	

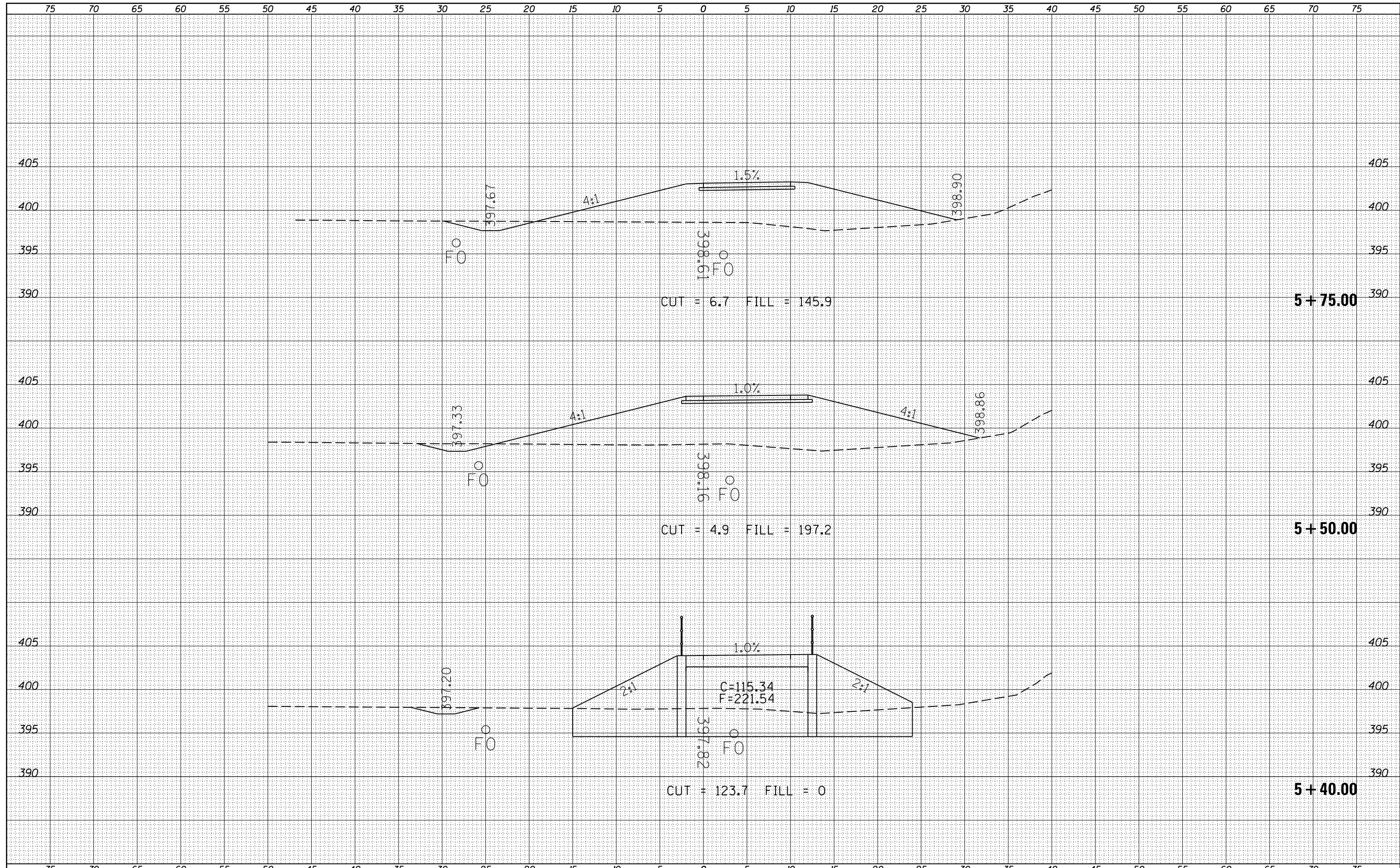
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NOTE BOOK	
NO.	



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA. 4+75.00	TO STA. 4+90.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -								CONTRACT NO. 78375				
MODELNAME	PLOT DATE: 3/27/2015	DATE -	REVISED -								ILLINOIS FED. AID PROJECT				

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

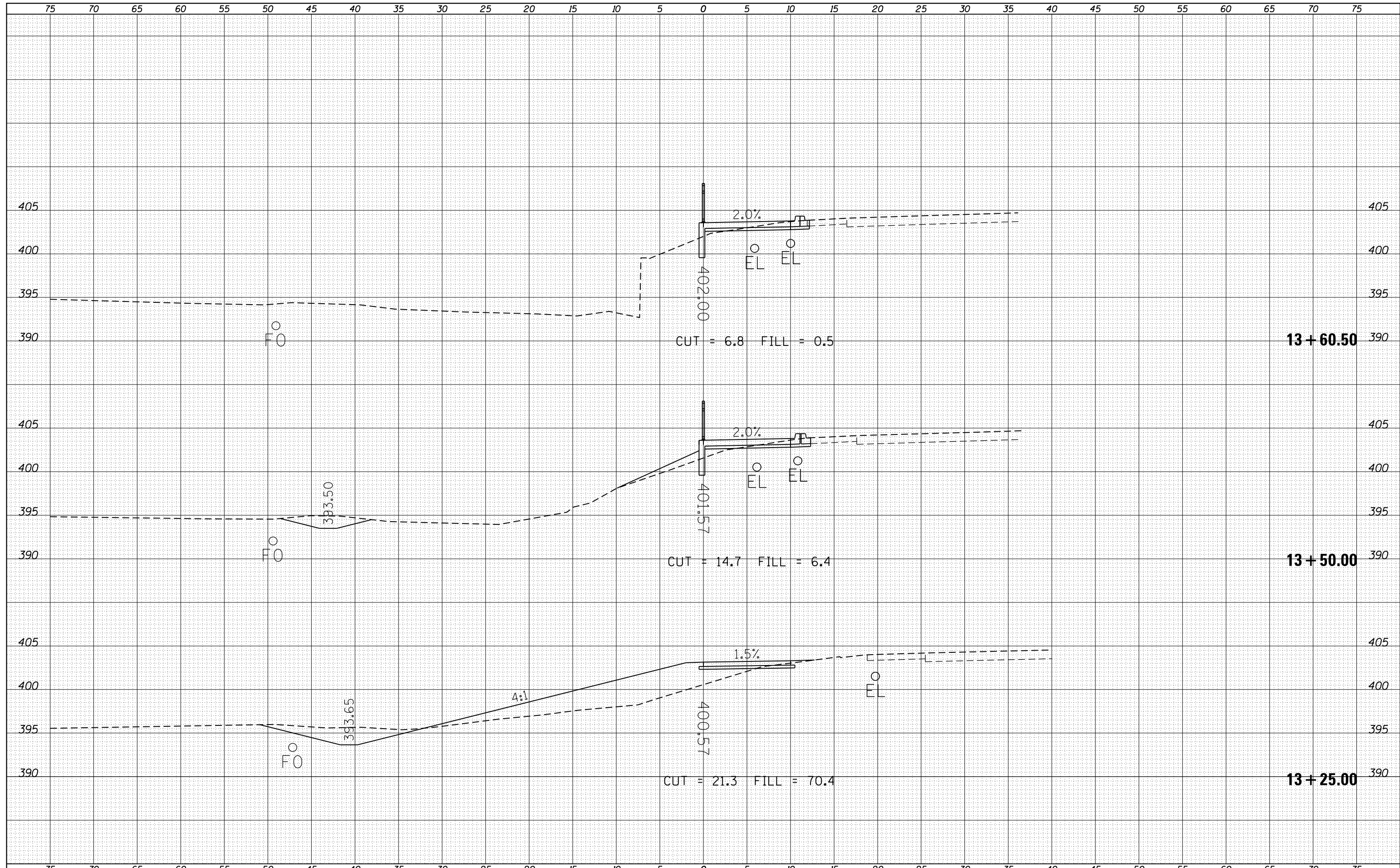
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



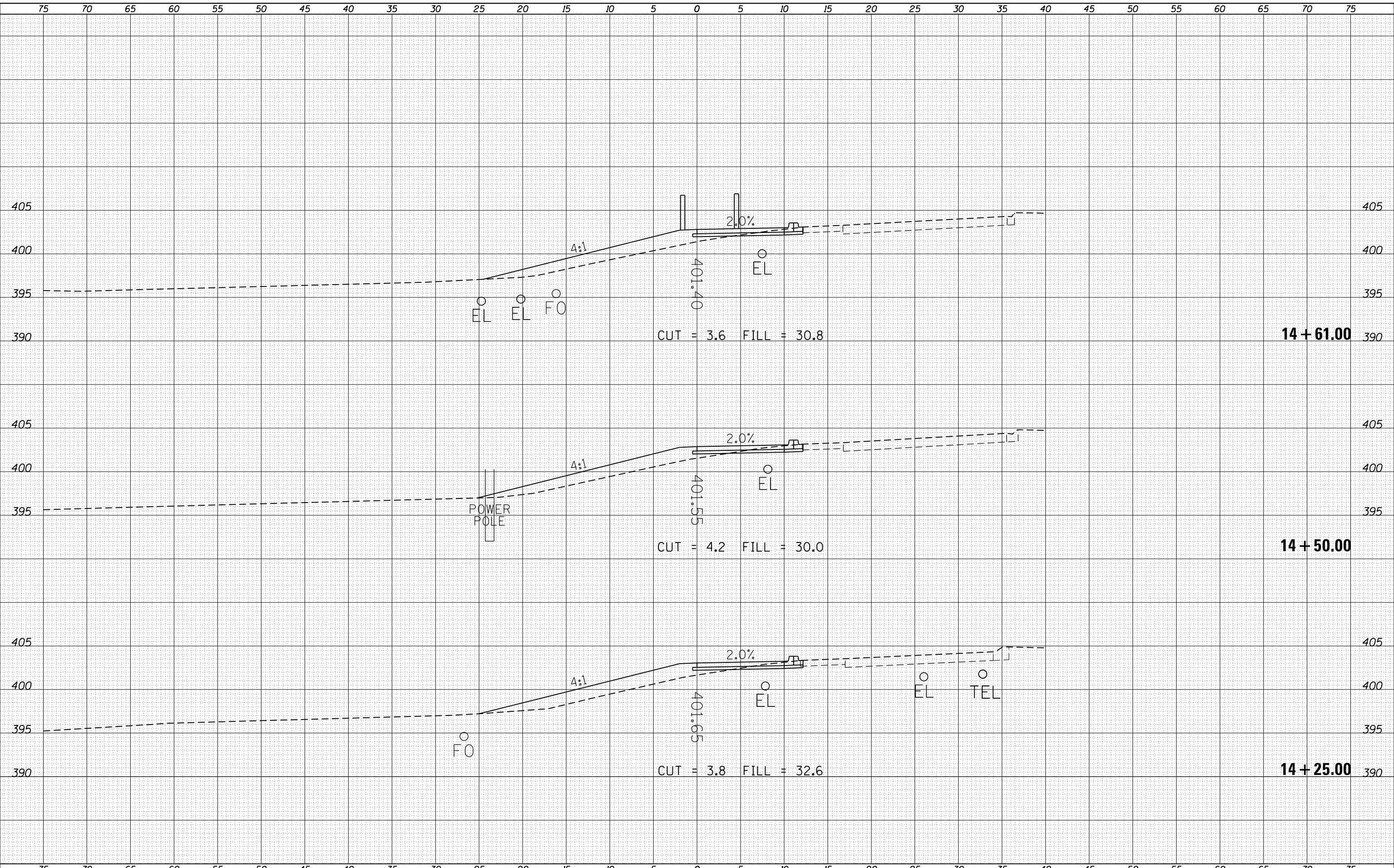
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	PLOT DATE = 3/27/2015	DATE -	REVISED -								ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE



FILE NAME =	USER NAME = thomeshf	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					331	(12-1)I-6,B-2	JACKSON	130	98
					CONTRACT NO. 78375				
					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 13+25.00	TO STA.
(12-1)I-6,B-2									



BY	DATE
SURVEYED	
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TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY NO.	