

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	1
		ILLINOIS	CONTRACT NO. 78216	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS 4-15

APPROACH	ADT(2010)	% TRUCKS
IL 13 W OF GREENBRAIR RD.	31,100	3.9%
IL 13 E OF GREENBRAIR RD.	28,800	4.0%
GREENBRAIR RD. N OF IL 13	9700	2.1%
GREENBRAIR RD. S OF IL 13	150	0%

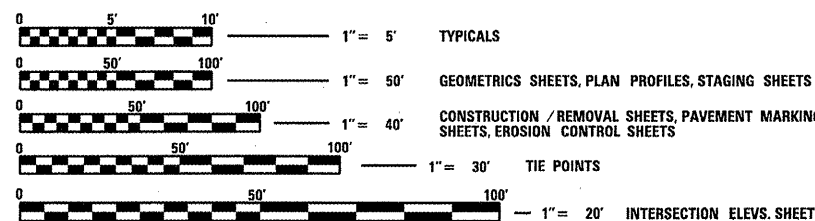
PROPOSED HIGHWAY PLANS

FAP ROUTE 331 (IL 13) /
GREENBRAIR RD.
SECTION (1-4)R-1,N-3,TS-3
PROJECT ACNHF-0331(058)
INTERSECTION IMPROVEMENT
WILLIAMSON COUNTY

C-99-075-10

PROPOSED PROJECT BEGINS
(IL 13 WB) STA 393+91.44

PROPOSED PROJECT ENDS
(IL 13 EB) STA 448+00

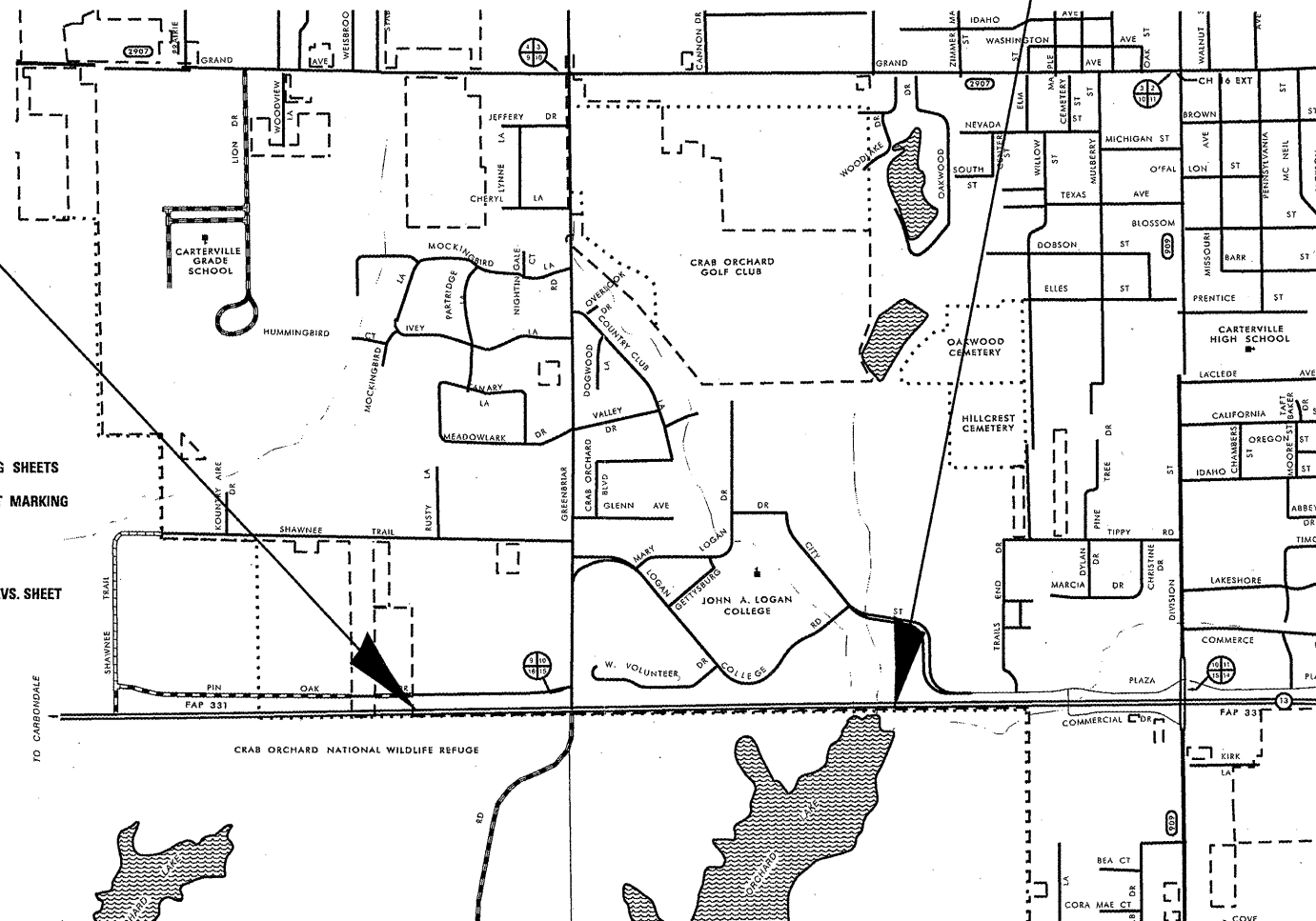


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

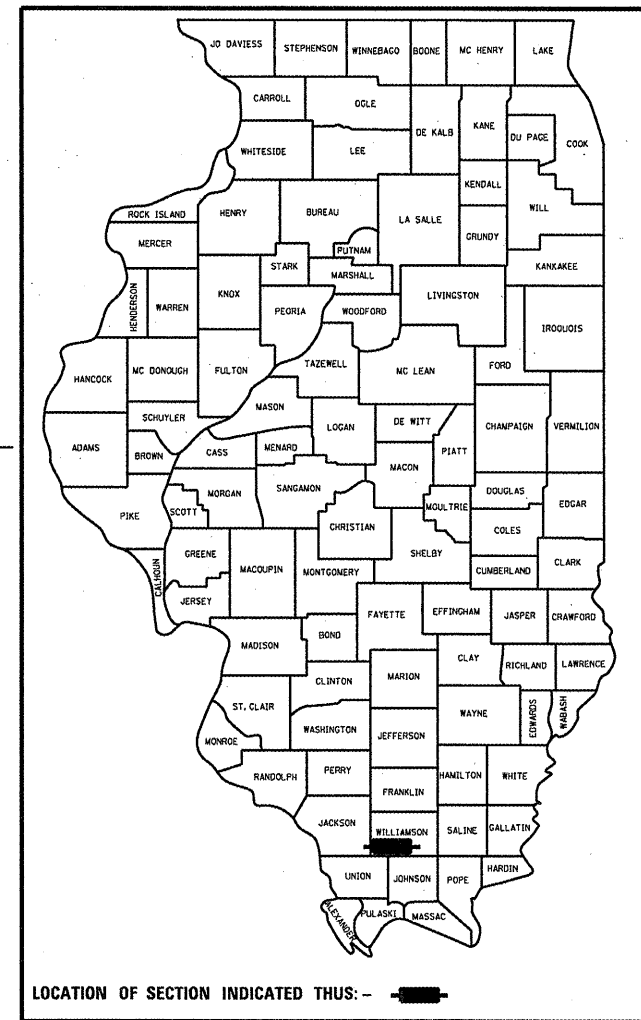
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER SEAN GREENLEE
PROJECT MANAGER SUSAN POE

CONTRACT NO. 78216



GROSS LENGTH = 4141 FT. = 0.784 MILE
NET LENGTH = 4141 FT. = 0.784 MILE



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 15 2011
Omer Asmanan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 3 2012
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

Feb 3 2012
William R. Fleyler
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

STANDARDS

MIXTURES REQUIREMENTS

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STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
AREAS OF REINFORCEMENT BARS
DECIMAL OF AN INCH AND OF A FOOT
TEMPORARY EROSION CONTROL SYSTEMS
PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSE
PAVEMENT JOINTS
24' JOINTED PCC PAVEMENT
PERPENDICULAR CURB RAMPS FOR SIDEWALKS
ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
CLASS B PATCHES
HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING
OR WIDENING AND RESURFACING PROJECTS
PCC SHOULDERS
REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIA. SKEWED WITH ROADWAY
PRECAST REINFORCED CONCRETE FLARED END SECTION
FLUSH INLET BOX FOR MEDIAN
MANHOLE TYPE A
MANHOLE STEPS
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
PC CONCRETE ISLANDS AND MEDIANS
STEEL PLATE BEAM GUARDRAIL
SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
REFLECTOR AND TERMINAL MARKER PLACEMENT
REFLECTOR MARKER AND MOUNTING DETAILS
RIGHT OF WAY MARKERS
PERMANENT SURVEY MARKERS
OFF-ROAD OPERATION, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
OFF-ROAD OPERATION, MULTILANE, MORE THAN 15' AWAY
LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
URBAN LANE CLOSURE, MULTILANE INTERSECTION
TRAFFIC CONTROL DEVICES
MAST ARM MOUNTED STREET NAMES SIGNS
TYPICAL PAVEMENT MARKINGS
TYPICAL APPLICATORS RAISED REFLECTIVE PAVEMENT MARKERS
ELECTRICAL SERVICE INSTALLATION DETAILS
HANDHOLES
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V
STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
UNINTERRUPTIBLE POWER SUPPLY (UPS)
TRAFFIC SIGNAL GROUNDING AND BONDING
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
CONCRETE FOUNDATION DETAILS
TRAFFIC SIGNAL MOUNTING DETAILS
DETECTOR LOOP INSTALLATIONS
TYPICAL LAYOUT FOR DETECTION LOOPS
TYP. APPL. OF T.C.D. FOR CONSTRUCTION ON RURAL LOC. HWYS.

Location(s):	Hot-Mix Asphalt Surface Course - IL 13 & Greenbriar Rd. - (1 1/2")
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix E, N105
AC/PG:	SBS PG76-22
RAP % (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition:	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	E surface

Location(s):	Hot-Mix Asphalt Binder Course Top Lifts - IL 13 - (2 3/4") / Greenbriar Rd. - (2 1/4")
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder Course, N105, IL-19.0
AC/PG:	SBS PG76-22
RAP % (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition:	IL-19.0
Friction Aggregate:	None

Location(s):	Hot-Mix Asphalt Base Course - Greenbriar Road / IL 13 - (Lower lifts of HMA shoulders) / Conestoga Trail & Pin
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
RAP % (Max):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition:	IL-19.0
Friction Aggregate:	None

Location(s):	Hot-Mix Asphalt Surface Course - Frontage Roads - (1 1/2") / IL 13 - (top 1 1/2" of shoulders)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG:	PG64-22
RAP % (Max):	10
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition:	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	C surface

Prepared By: Joe Dan Kewicz
DISTRICT STUDIES & PLANS ENGINEER

Examined By: John E. [Signature]
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Ken [Signature]
DISTRICT OPERATIONS ENGINEER

Examined By: Douglas J. [Signature]
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce [Signature]
DISTRICT MATERIALS ENGINEER

Examined By: [Signature]
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Approved By: Omer Osmana
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Dec 15 2011
DATE

FILE NAME =	USER NAME = greenleem	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, MIXTURE REQUIREMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ot:\pwork\pwork\greenleem\d02057257	216-sht-plnprf.dgn	DRAWN -	REVISED -			331	(1-4R-1,N-3,75-3	Williamson	220	2	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.					
	PLOT DATE = 12/13/2011	DATE -	REVISED -			CONTRACT NO. 78216 ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
X6024240	INLETS, SPECIAL	EACH	8	8	
X0325541	REMOVE EXISTING LIGHTING SYSTEM	L SUM	1		1
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
* X7830068	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62	62	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING - 5"	FOOT	2325	2325	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING - 13"	FOOT	251	251	
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING - 25"	FOOT	196	196	
* X8050115	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1		1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
* Z0033062	RADIO TRANSCEIVER	EACH	1	1	
Z0034105	MATERIAL TRANSFER DEVICE	TON	7166	7166	
+ Z0076600	TRAINEES	HR	500	500	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	289	289	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	44	44	
20100500	TREE REMOVAL, ACRES	ACRE	1.54	1.54	
20200100	EARTH EXCAVATION	CU YD	19481	19481	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	423	423	

+ 0042 *SPECIALTY ITEM

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	4
			CONTRACT NO. 78216	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
20800150	TRENCH BACKFILL	CU YD	454	454	
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	107	107	
* 25000115	SEEDING, CLASS 1 B	ACRE	8.8	8.8	
* 25000350	SEEDING, CLASS 7	ACRE	8.8	8.8	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1413	1413	
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	1060	1060	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1060	1060	
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	17.7	17.7	
* 25100115	MULCH, METHOD 2	ACRE	17.7	17.7	
* 25100630	EROSION CONTROL BLANKET	SQ YD	4880	4880	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2649	2649	
28000305	TEMPORARY DITCH CHECKS	FOOT	800	800	
28000400	PERIMETER EROSION BARRIER	FOOT	7027	7027	
28000500	INLET AND PIPE PROTECTION	EACH	15	15	

*SPECIALTY ITEM

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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	11-41R-1,N-3,TS-3	Williamson	220	5
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
28100107	STONE RIP-RAP, CLASS A4	SQ YD	592	592	
28100801	STONE DUMPED RIPRAP, CLASS A1	TON	578	578	
28200200	FILTER FABRIC	SQ YD	592	592	
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	4556	4556	
30201500	LIME	TON	114	114	
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A, 12"	SQ YD	29167	29167	
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	385	385	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	3074	3074	
35501305	HOT-MIX ASPHALT BASE COURSE, 5 1/4"	SQ YD	1742	1742	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	3373	3373	
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GAL	3823	3823	
40600300	AGGREGATE (PRIME COAT)	TON	119	119	
40600990	TEMPORARY RAMP	SQ YD	233	233	
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	412	412	

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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	6
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	220	220	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70	TON	244	244	
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	1188	1188	
40701906	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 11 1/4"	SQ YD	13291	13291	
42000406	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)	SQ YD	5345	5345	
42001300	PROTECTIVE COAT	SQ YD	6867	6867	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	5758	5758	
42400800	DETECTABLE WARNINGS	SQ FT	118	118	
44000100	PAVEMENT REMOVAL	SQ YD	5840	5840	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	12448	12448	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1746	1746	
44000600	SIDEWALK REMOVAL	SQ YD	403	403	
44003100	MEDIAN REMOVAL	SQ FT	4009	4009	
44004000	PAVED DITCH REMOVAL	FOOT	120	120	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	11-4R-1,N-3,TS-3	Williamson	220	7
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
44004250	PAVED SHOULDER REMOVAL	SO YD	9440	9440	
44201019	CLASS B PATCHES, TYPE II, 14 INCH	SO YD	120	120	
44201299	DOWEL BARS 1 1/2"	EACH	300	300	
44213200	SAW CUTS	FOOT	720	720	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	12697	12697	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	917	917	
48203042	HOT-MIX ASPHALT SHOULDERS, 11 1/4"	SO YD	9754	9754	
48300405	PORTLAND CEMENT CONCRETE SHOULDERS, 9 1/4"	SO YD	467	467	
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6	
50104650	SLOPE WALL REMOVAL	SO YD	239	239	
50105220	PIPE CULVERT REMOVAL	FOOT	53	53	
50800205	REINFORCEMENT BARS, EPOXY COATED	LBS	10160	10160	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1	
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	1	1	
14					

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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	11-4R-1,N-3,TS-3	Williamson	220	8
CONTRACT NO.			78216	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
54002020	EXPANSION BOLTS, 3/4 INCH	EACH	28	28	
54003000	CONCRETE BOX CULVERTS	CU YD	64.8	64.8	
54010303	PRECAST CONCRETE BOX CLUVERTS 3' x3'	FOOT	40	40	
54248510	CONCRETE COLLAR	CU YD	2.4	2.4	
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	6	6	
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	11	11	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	25	25	
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	11	11	
542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	74	74	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"	EACH	2	2	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION, 18"	EACH	2	2	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EACH	1	1	
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTION, 42"	EACH	4	4	
54215424	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24"	EACH	1	1	
14					

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PLOT SCALE = 100.0000 / in.
PLOT DATE = 12/16/2011

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	01-4R-1,N-3,TS-3	Williamson	220	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78216	

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	EACH	1	1	
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	2	2	
550A0050	STORM SEWER, CLASS A, TYPE 1 12"	FOOT	33	33	
550A0070	STORM SEWER, CLASS A, TYPE 1 15"	FOOT	24	24	
550A0090	STORM SEWER, CLASS A, TYPE 1 18"	FOOT	328	328	
550A0120	STORM SEWER, CLASS A, TYPE 1 24"	FOOT	829	829	
55100500	STORM SEWER REMOVAL, 12"	FOOT	59	59	
55100900	STORM SEWER REMOVAL, 18"	FOOT	171	171	
55101200	STORM SEWER REMOVAL, 24"	FOOT	1011	1011	
55101400	STORM SEWER REMOVAL, 30"	FOOT	13	13	
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	2	2	
60500060	REMOVING INLETS	EACH	10	10	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 12	FOOT	58	58	

FILE NAME =	USER NAME = kallejkd	DESIGNED -	REVISED -
c:\pwork\pwidot\kallejkd\0205725\782	6-sh-t-misc.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	10
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003		0021	
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1420	1420			
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	48	48			
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	76	76			
60618300	CONCRETE MEDIAN SURFACE, 4"	SQ FT	544	544			
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	FOOT	1450	1450			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2			
63200310	GUARDRAIL REMOVAL	FOOT	1085	1085			
66600105	FURNISH AND ERECTING RIGHT-OF-WAY MARKERS	EACH	8	8			
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	4	4			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12			
67100100	MOBILIZATION	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	49	49			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	32	32			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			

*SPECIALTY ITEM

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\kelleykd\d0205725\782	6-shl-miso.dgn	DRAWN -	REVISED -			331	11-41R-1,N-3,TS-3	Williamson	220	11	
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 78216					
	PLOT DATE = 12/16/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET OF SHEETS		STA.	TO STA.		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2039	2039	
70300210	TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	336	336	
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	26263	26263	
70300260	TEMPORARY PAVEMENT MARKING-LINE 12"	FOOT	611	611	
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	213	213	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	11015	11015	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	15		15
* 72000200	SIGN PANEL - TYPE 2	SQ FT	25		25
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	130	130	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7561	7561	
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	360	360	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	17	17	
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	165	165	
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	18702	18702	
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	251	251	

*SPECIALTY ITEM

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -
c:\pwwork\pvidot\kelleykd\0205725\782	6-sh-t-misc.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	12
CONTRACT NO.			78216	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	196	196	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	239	239	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	29	29	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1785	1785	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	55	55	
80300100	LOCATING UNDERGROUND CABLE	FOOT	105		105
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	868		868
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	434		434
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	213		213
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	93		93
81028380	UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	159		159
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	121		121
81400100	HANDHOLE	EACH	9		9

* SPECIALTY ITEM

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\puidat\kellejkd\0205725\782	6-shr-misc.dgn	DRAWN -	REVISED -			331	11-4R-1,N-3,TS-3	Williamson	220	13	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78216			
	PLOT DATE = 12/16/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
* 81500100	GULFBOX JUNCTION	EACH	2		2
* 81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	1400		1400
* 82103900	LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 250 WATT	EACH	8		8
* 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V, 60 AMP	EACH	1		1
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
* 86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1		1
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	3172		3172
* 87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9/C	FOOT	516		516
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR	FOOT	5526		5526
* 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	5		5
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT	EACH	1		1
* 87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT	EACH	1		1
* 87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT	EACH	1		1
* 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT	EACH	1		1

* SPECIALTY ITEM

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
c:\pwwork\pwwork\kellejkd\0205725\782	6-shr-misc.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	11-4R-1,N-3,TS-3	Williamson	220	14
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE		0003	0021
		UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% STATE	SIGNALS 80% FEDERAL 20% STATE
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15		15
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3		3
* 87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	54		54
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10		10
* 88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	10		10
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	11		11
* 88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	EACH	6		6
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	1747		1747
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1

* SPECIALTY ITEM

FILE NAME =	USER NAME = kellegkd	DESIGNED -	REVISED -
c:\pwwork\pwwork\kellegkd\0205725\782	6-sht-misc.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

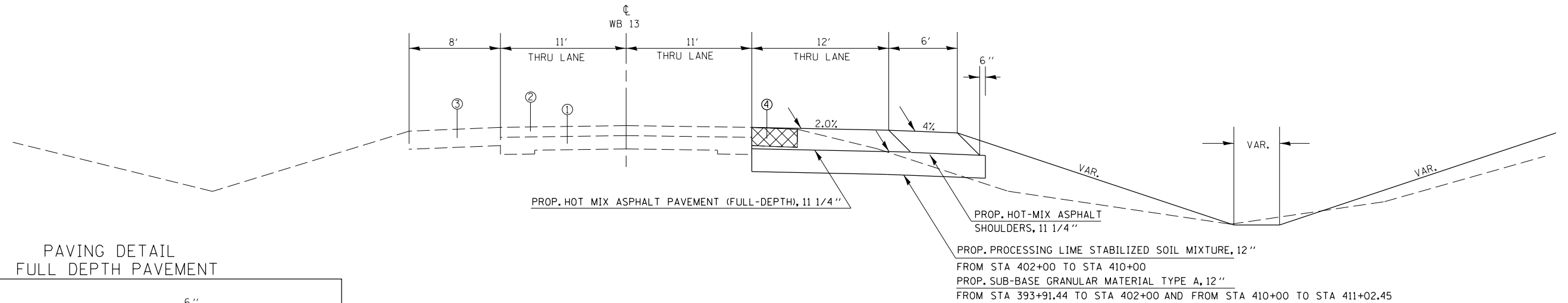
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

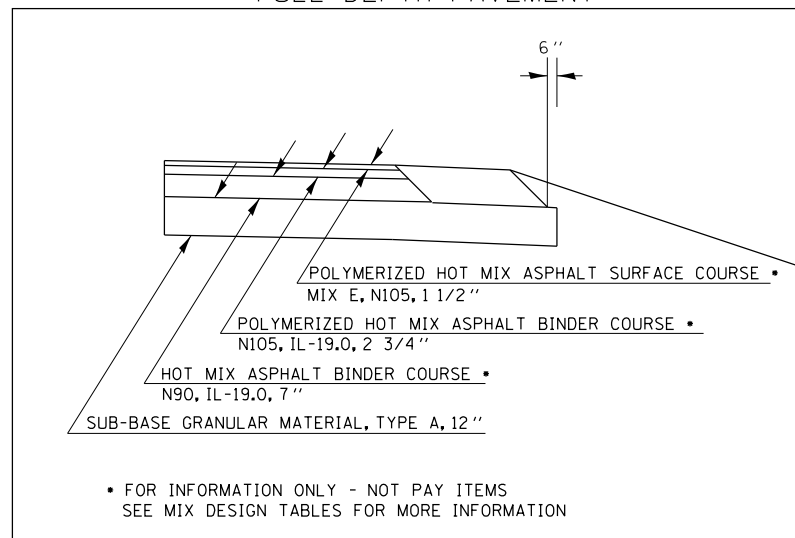
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78216	

TYPICAL SECTIONS

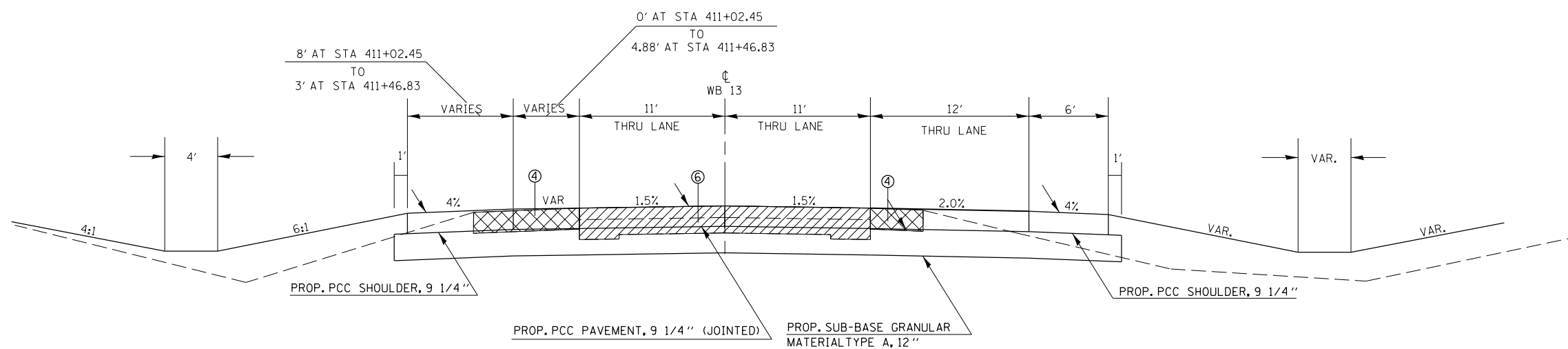


PAVING DETAIL
FULL DEPTH PAVEMENT



TO BE USED:
STA 393+91.44 TO STA 411+02.45

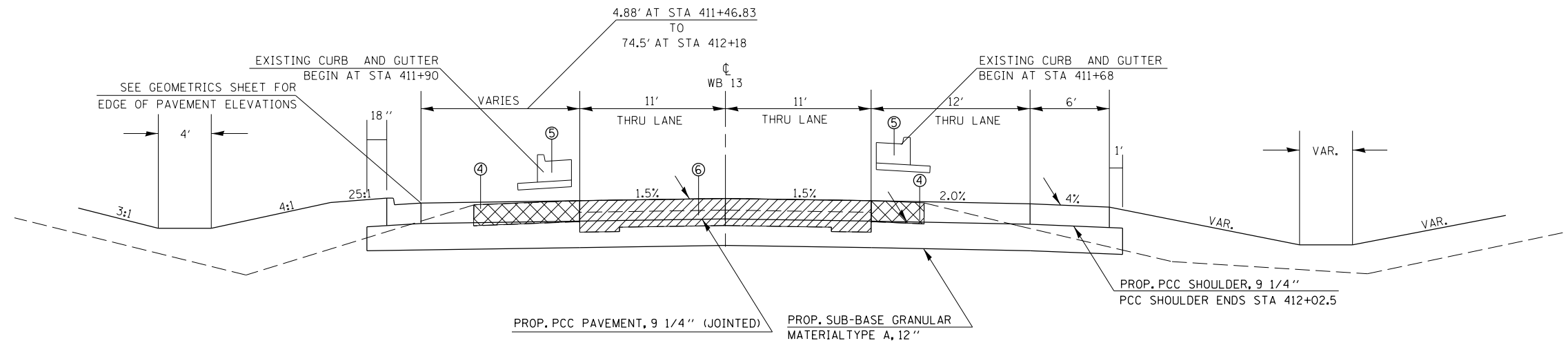
- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 12-1/4"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



TO BE USED:
STA 411+02.45 TO STA 411+46.83

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 WB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\kelleykd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	16
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78216				
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

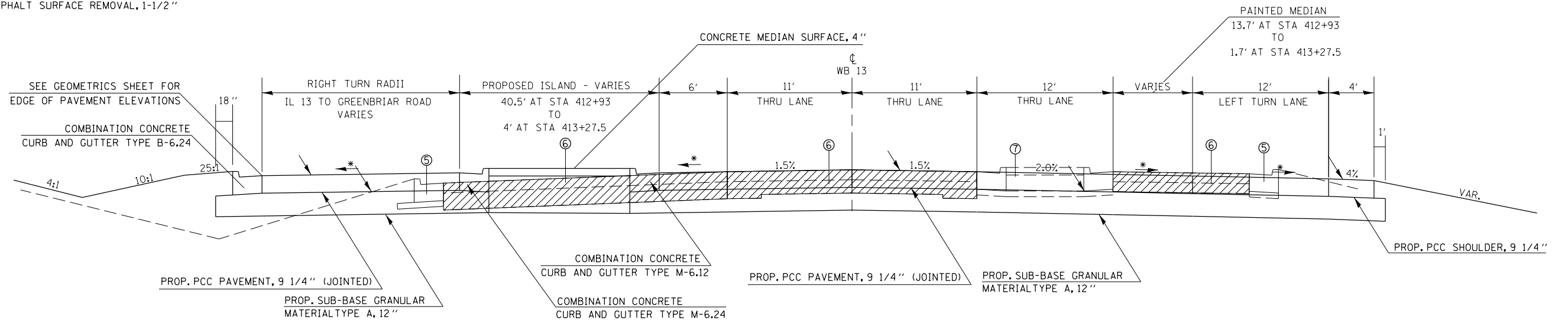
TYPICAL SECTIONS



TO BE USED:
STA 411+46.83 TO STA 412+18

- ① EXIST. PCC PAVEMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 12-1/4"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

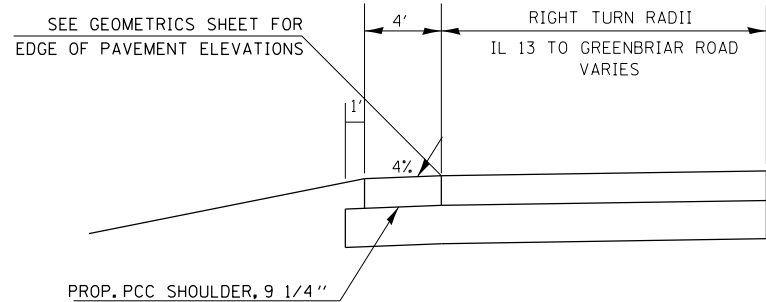
* -VARIES SEE GEOMETRICS SHEETS AND CROSS SECTION SHEETS FOR PROPOSED SLOPES



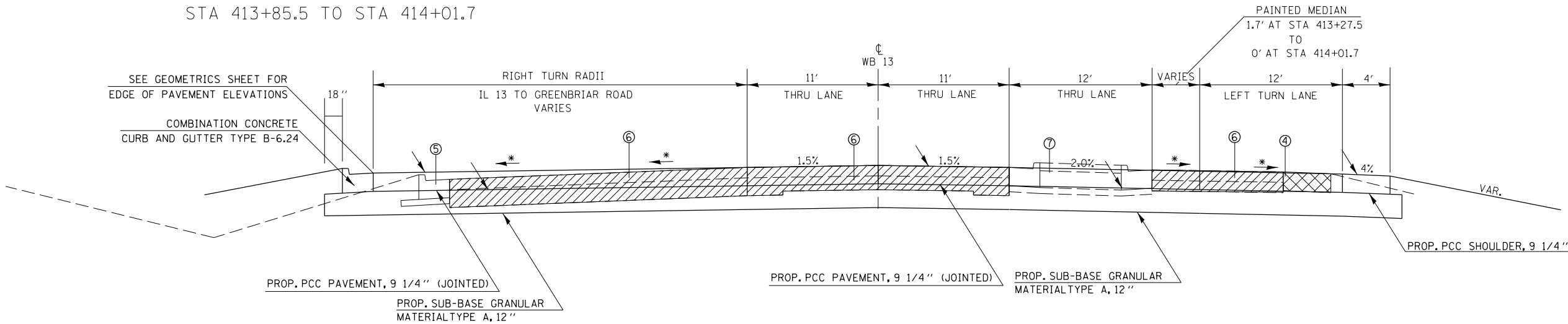
TO BE USED:
STA 412+93 TO STA 413+27.5

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 WB	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwork\pwork\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -			331	(1-4R-1,N-3,TS-3)	Williamson	220	17	
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 78216					
PLOT DATE = 12/15/2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

TYPICAL SECTIONS



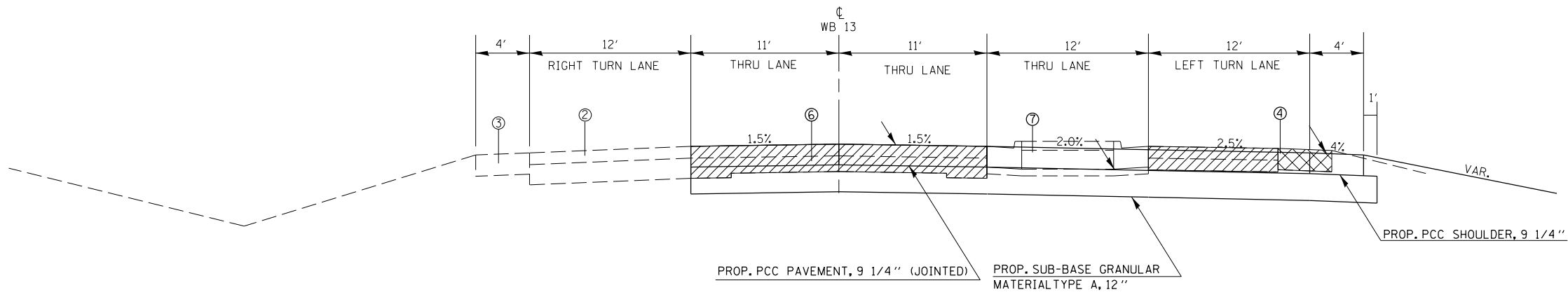
TO BE USED:
STA 413+85.5 TO STA 414+01.7



TO BE USED:
STA 413+27.5 TO STA 414+01.7

- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 12-1/4"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

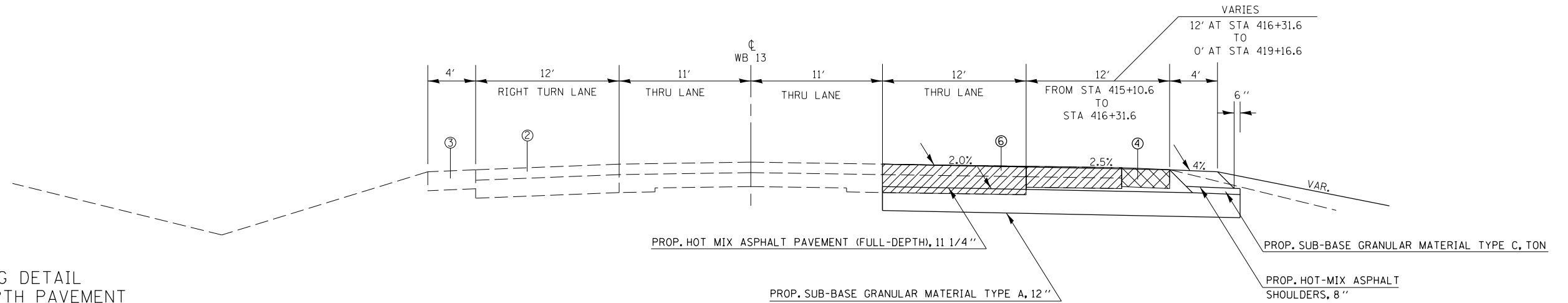
* -VARIES SEE GEOMETRICS SHEETS AND CROSS SECTION SHEETS FOR PROPOSED SLOPES



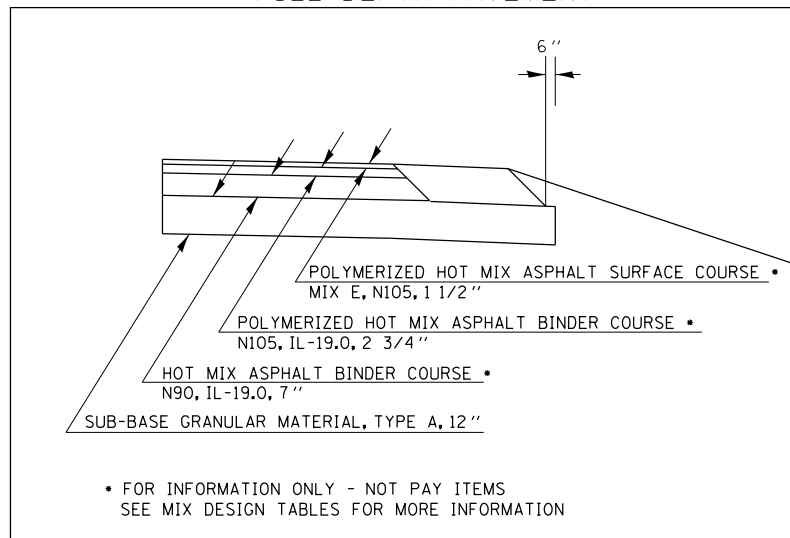
TO BE USED:
STA 414+01.7 TO STA 415+10.6

FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 WB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\midot\kellekd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	18
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216							
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTIONS

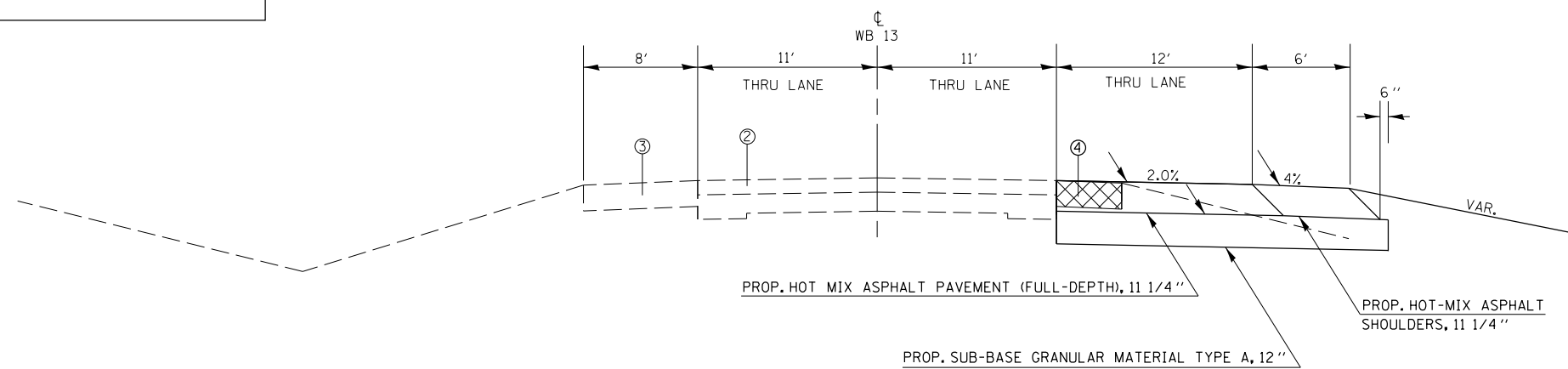


PAVING DETAIL
FULL DEPTH PAVEMENT



TO BE USED:
STA 415+10.6 TO STA 419+16.7

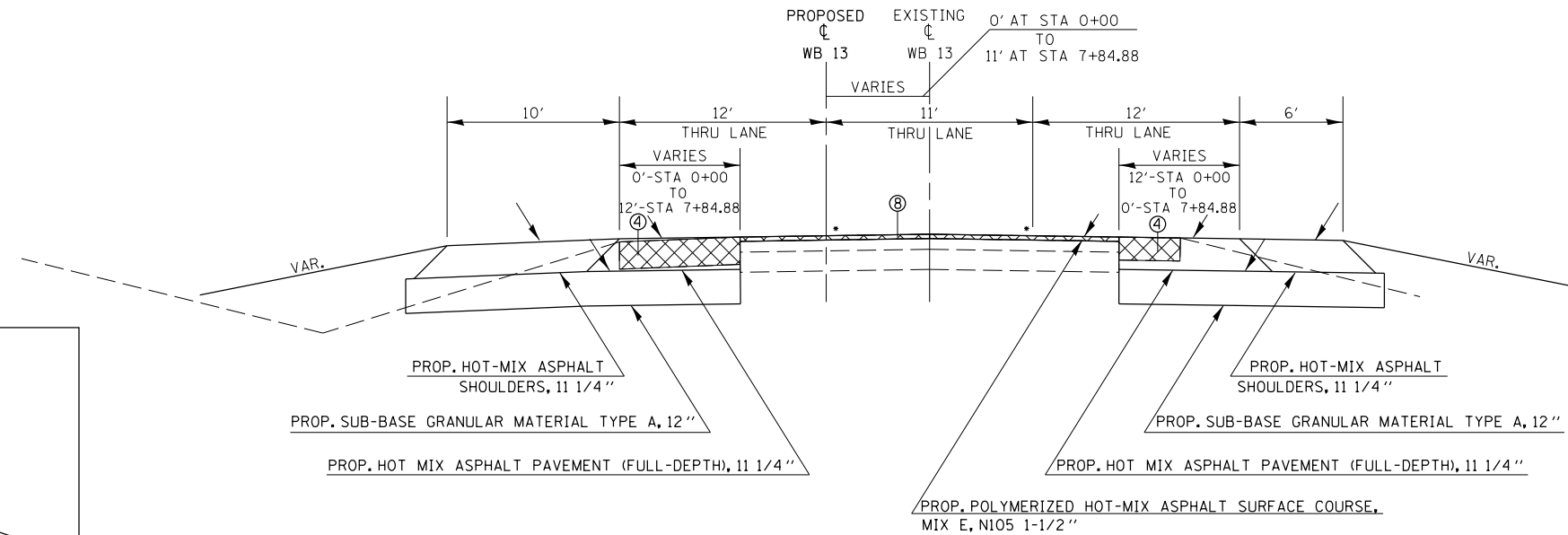
- ① EXIST. PCC PAVEMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 12-1/4"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



TO BE USED:
STA 419+16.7 TO STA 424+00

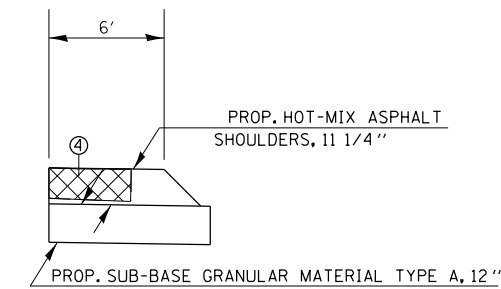
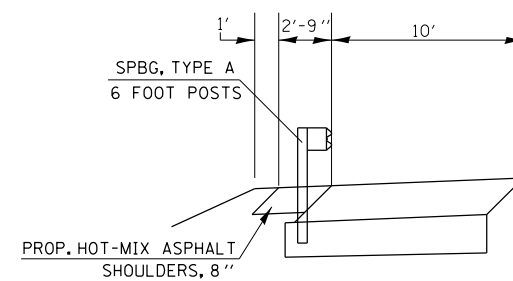
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et:\pw\work\p\dot\kellejkd\0205725\78216-sht-misc.dgn	DRAWN -	REVISED -	331					(1-4)R-1,N-3,TS-3	Williamson	220	19	
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 78216									
PLOT DATE = 12/15/2011	DATE -	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS



TO BE USED:

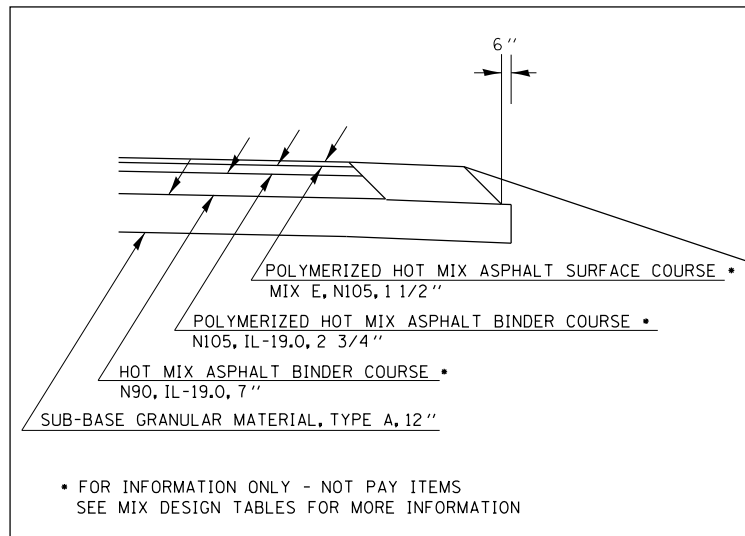
STA 0+00 TO STA 7+84.88 (PROPOSED ALIGNMENT)



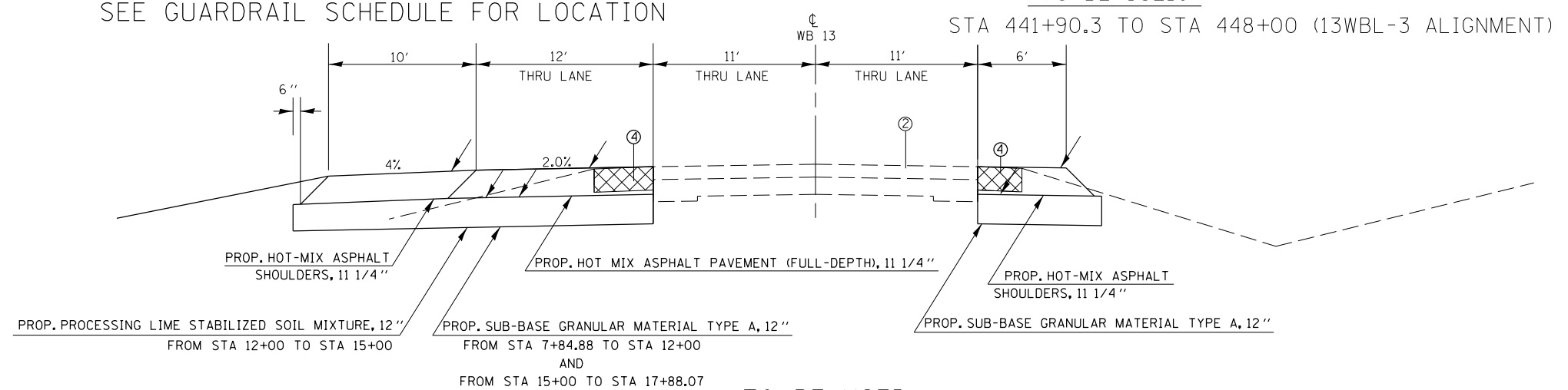
* - MATCH EXISTING SLOPES

- ① EXIST. PCC PAVEMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 12 1-4"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

PAVING DETAIL FULL DEPTH PAVEMENT



SEE GUARDRAIL SCHEDULE FOR LOCATION

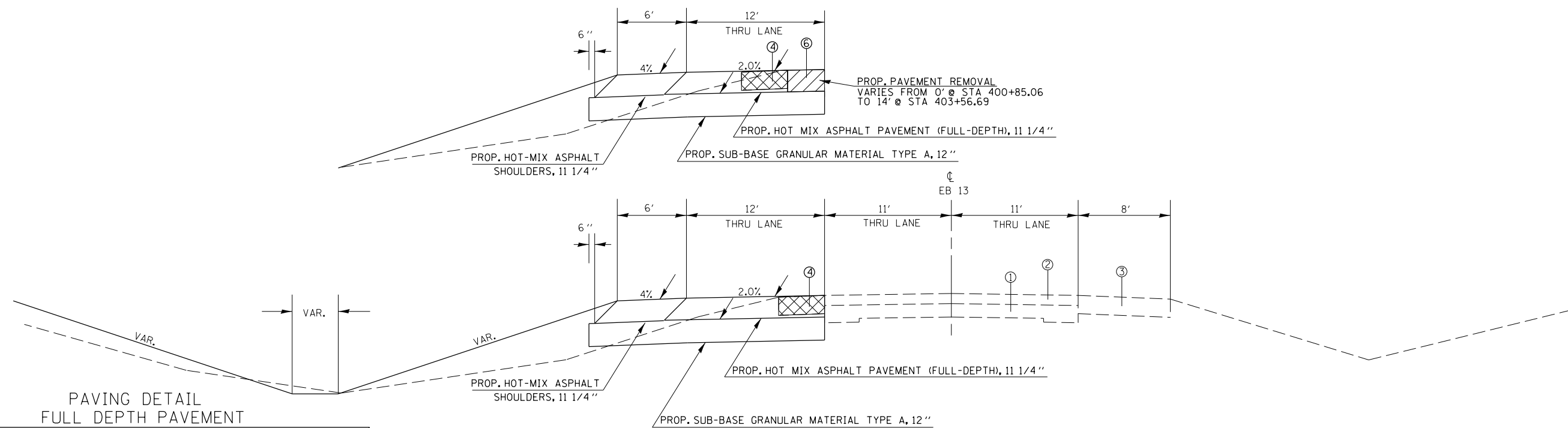


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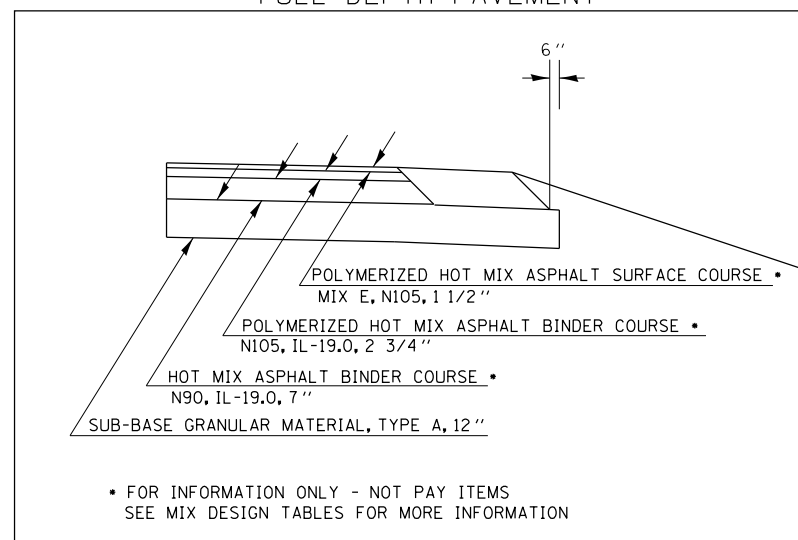
STA 7+84.88 TO STA 17+88.07 (PROPOSED ALIGNMENT)

FILE NAME =	USER NAME = kellek	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 WB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\kellek\d0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	20
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

TYPICAL SECTIONS

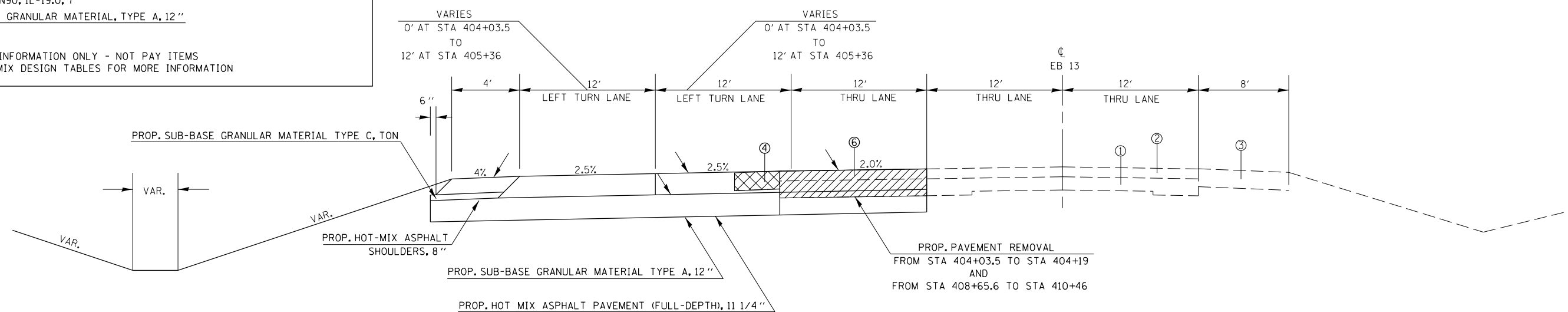


PAVING DETAIL
FULL DEPTH PAVEMENT



TO BE USED:
STA 393+91.44 TO STA 404+03.5

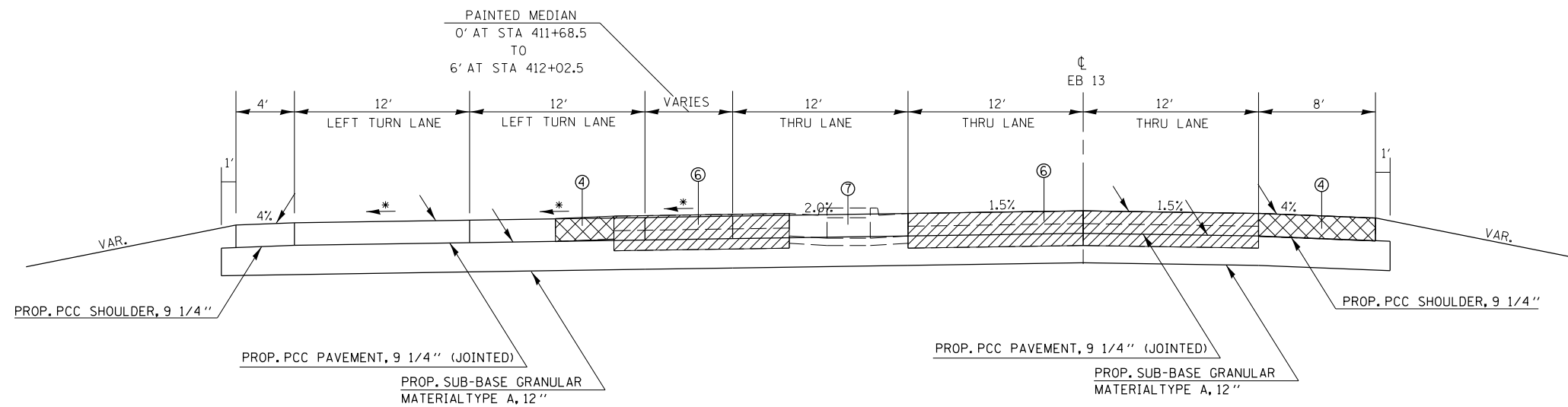
- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 11"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



TO BE USED:
STA 404+03.5 TO STA 410+46

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 EB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	21
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

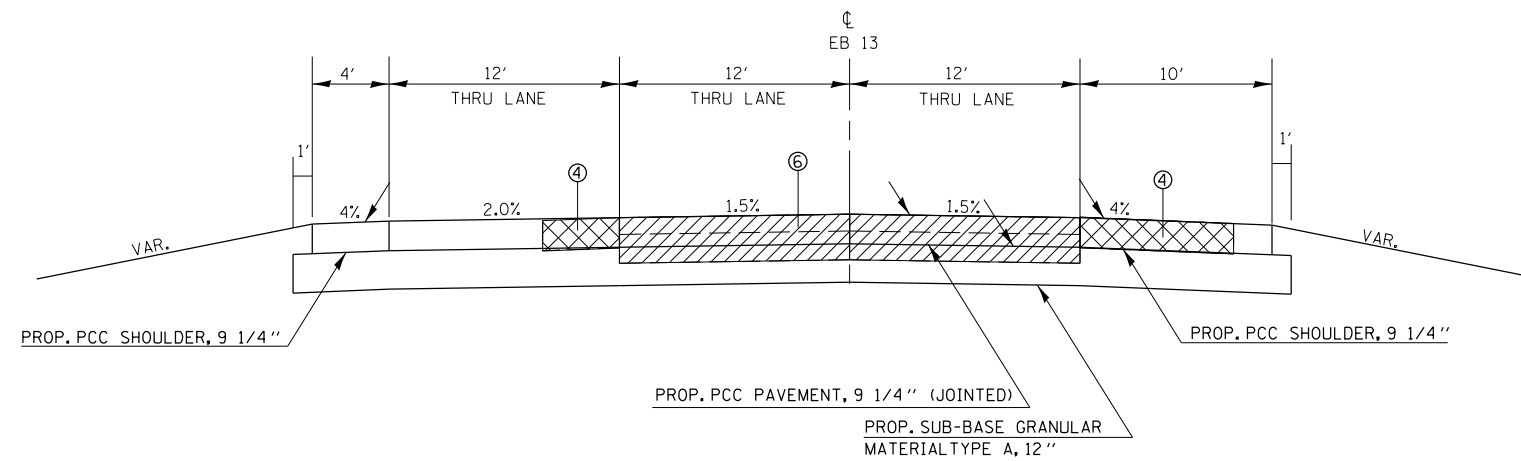
TYPICAL SECTIONS



TO BE USED:
STA 410+46 TO STA 412+02.5

* -VARIES SEE GEOMETRICS SHEETS AND CROSS SECTION SHEETS FOR PROPOSED SLOPES

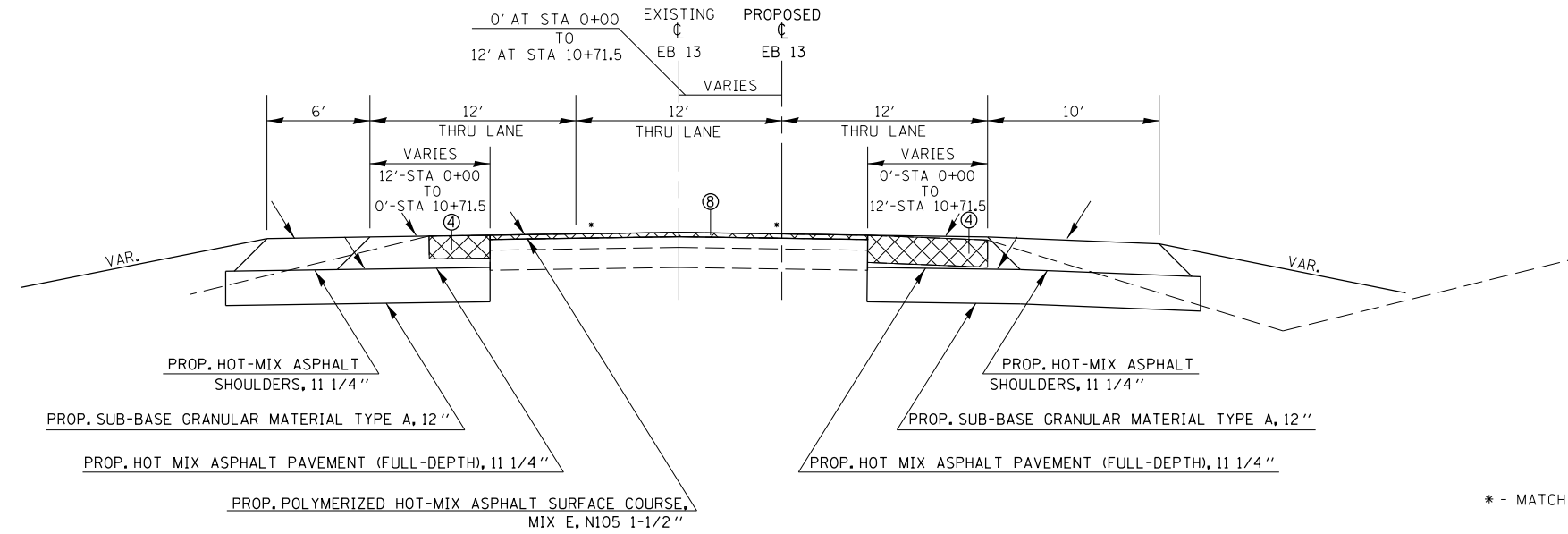
- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL, 11"
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



TO BE USED:
STA 412+97 TO STA 413+60

FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 EB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellekd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	22
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

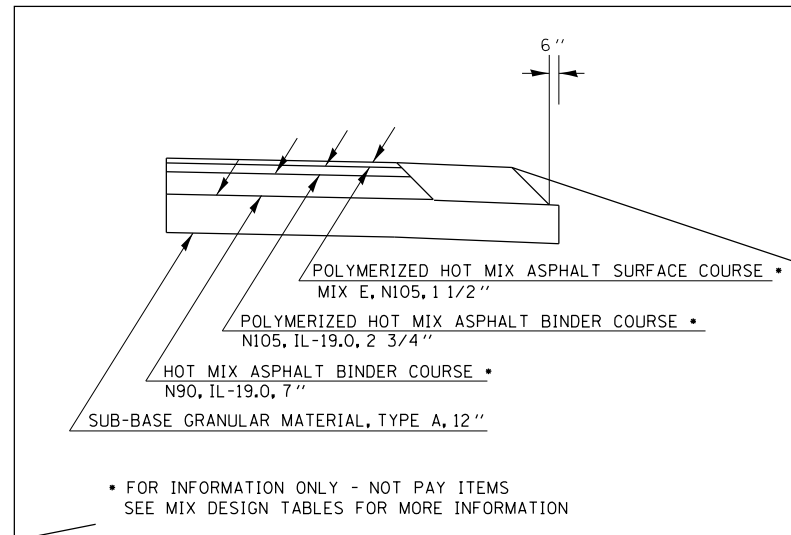
TYPICAL SECTIONS



* - MATCH EXISTING SLOPES

- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

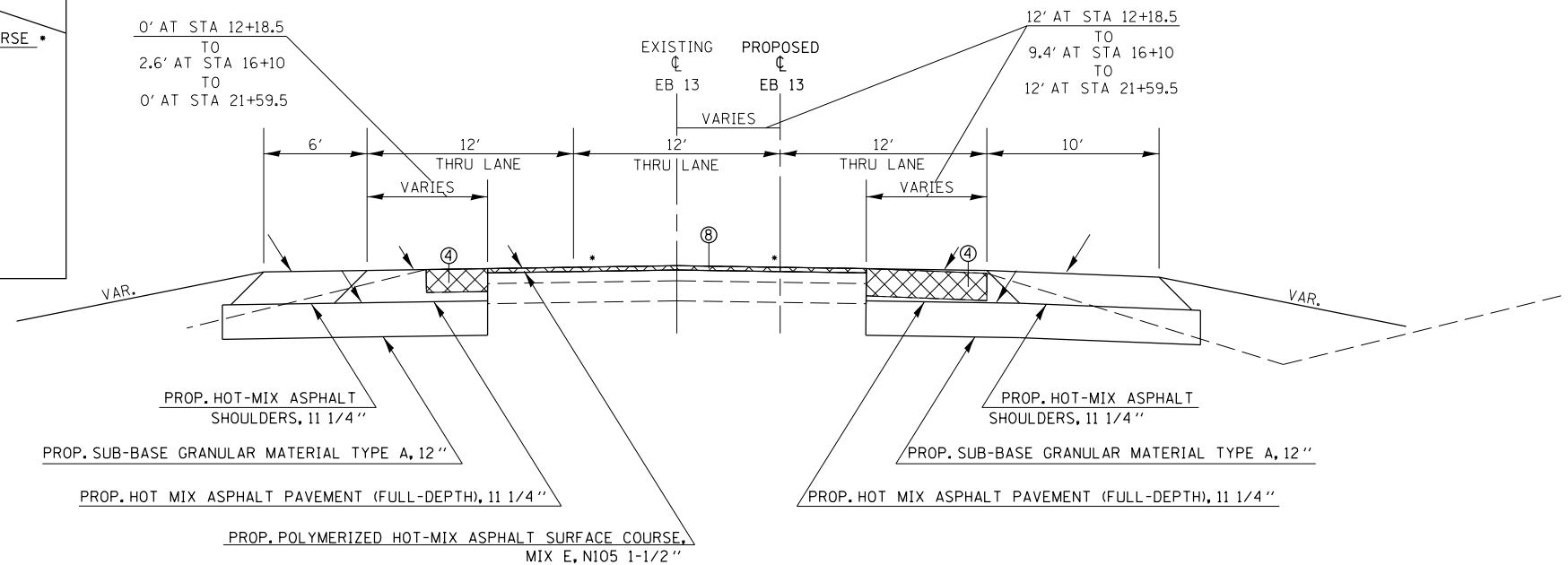
PAVING DETAIL
FULL DEPTH PAVEMENT



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

TO BE USED:

STA 413+60 TO STA 413+72.5 (EXISTING ALIGNMENT)
STA 0+00 TO STA 12+18.5 (PROPOSED ALIGNMENT)

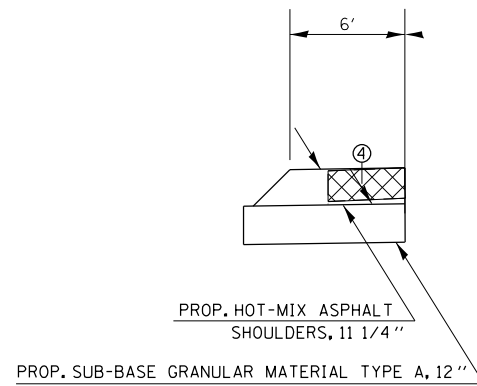


TO BE USED:

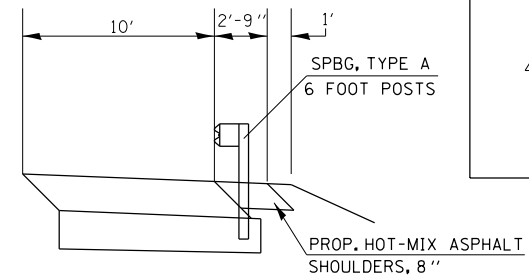
STA 12+18.5 TO STA 21+59.5 (PROPOSED ALIGNMENT)

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 EB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	23
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

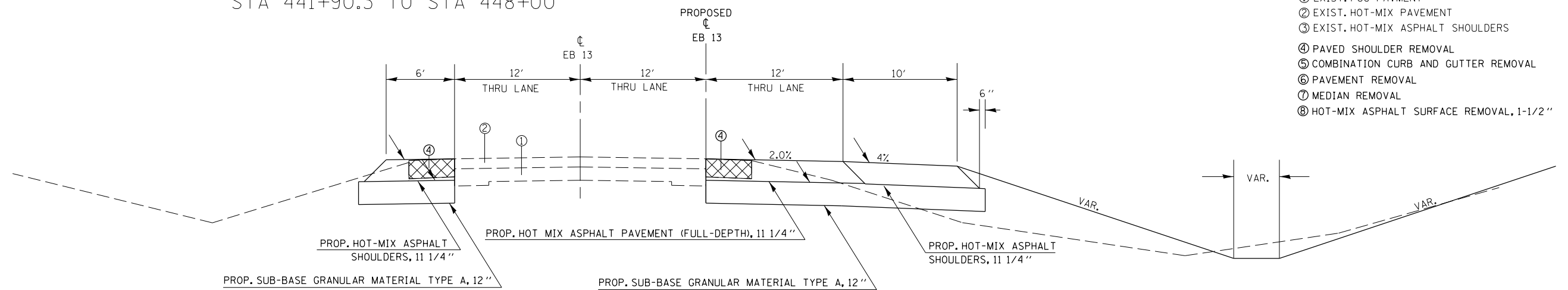
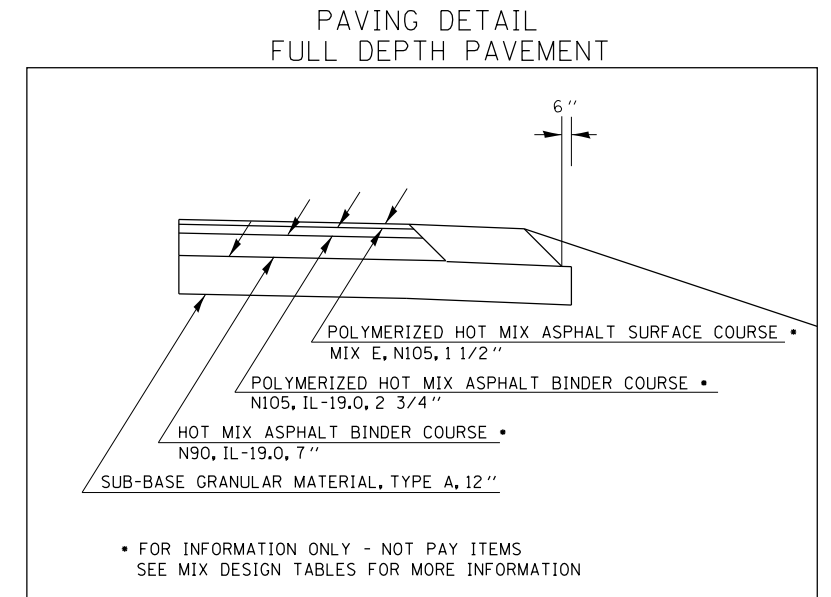
TYPICAL SECTIONS



TO BE USED:
STA 441+90.3 TO STA 448+00



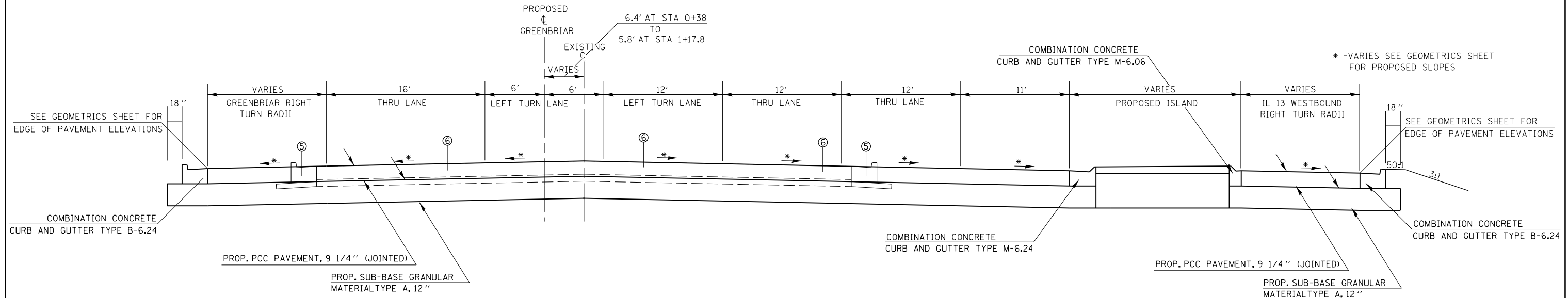
SEE GUARDRAIL SCHEDULE FOR LOCATION



TO BE USED:
STA 21+59.5 TO STA 30+16.75 (PROPOSED ALIGNMENT)

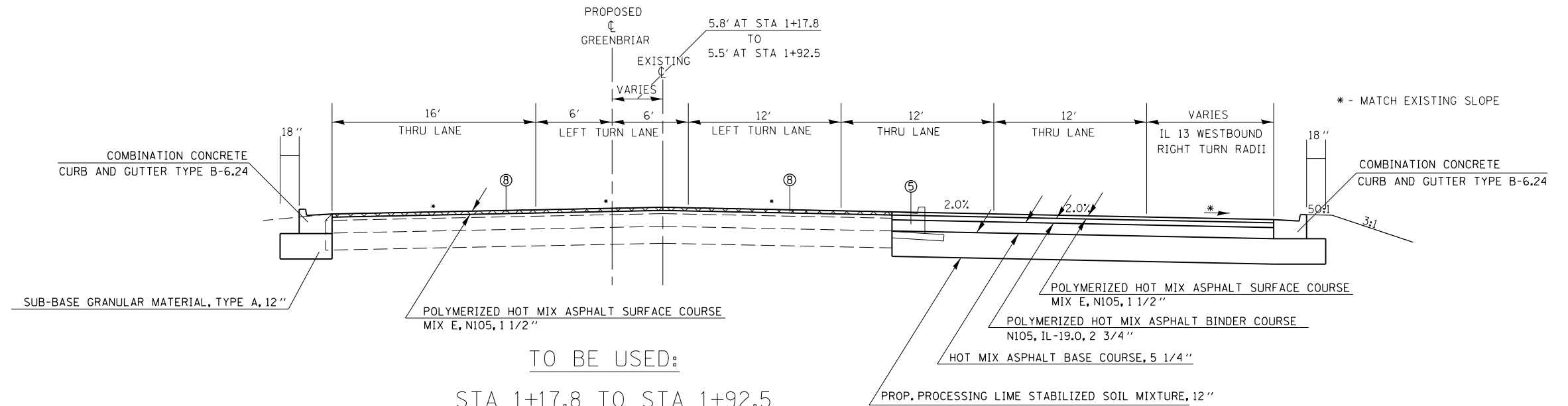
FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL 13 EB			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellekd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	24
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011	DATE -	REVISED -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.					

TYPICAL SECTIONS



TO BE USED:
STA 0+38 TO STA 1+17.8

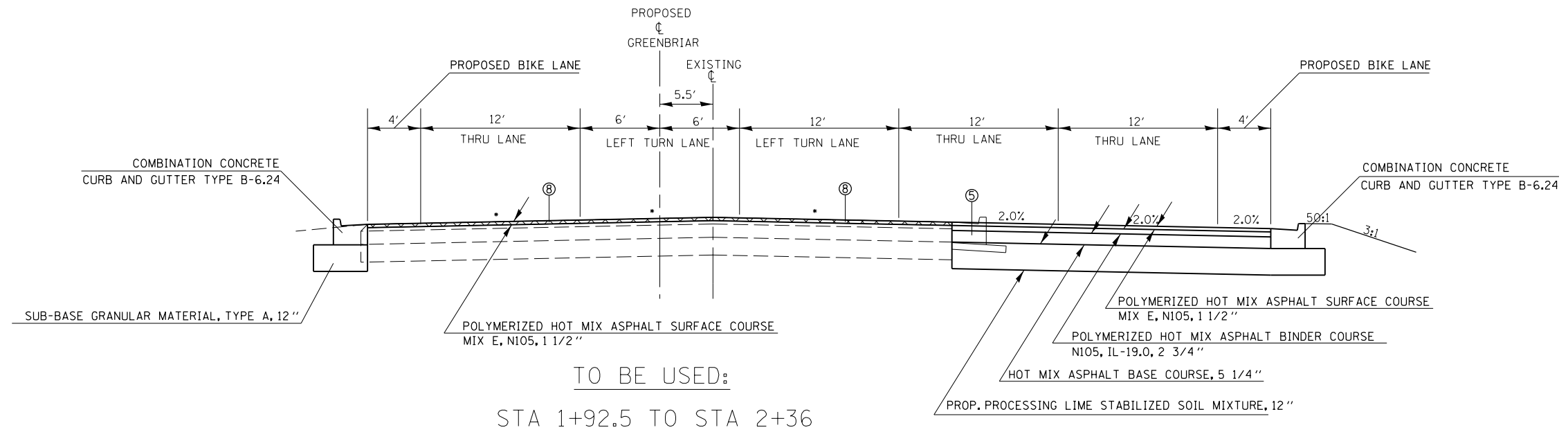
- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



TO BE USED:
STA 1+17.8 TO STA 1+92.5

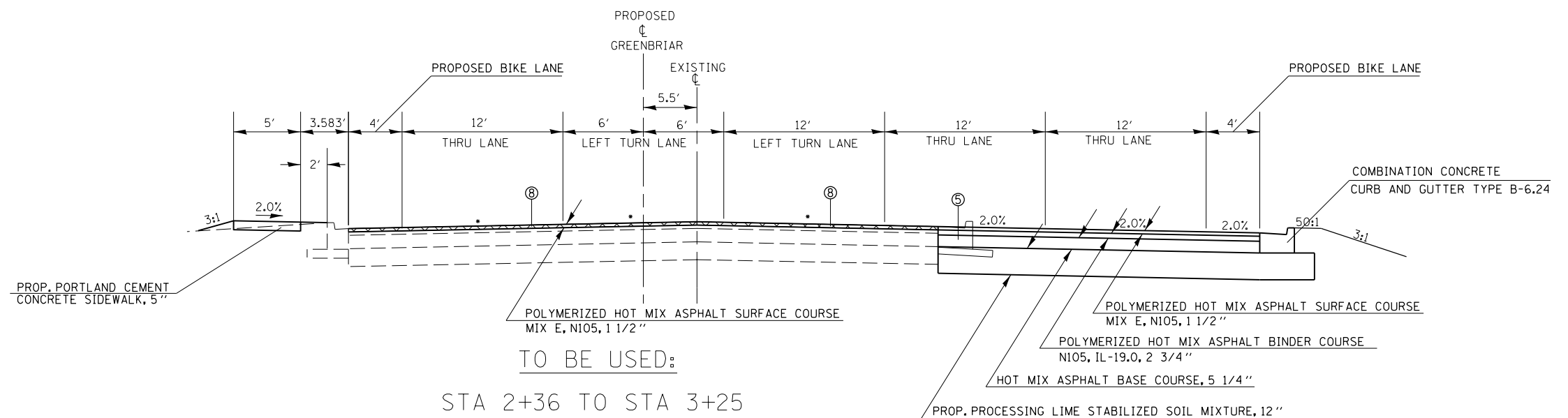
FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - GREENBRIAR ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellekd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	25
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE:			CONTRACT NO. 78216				
PLOT DATE = 12/15/2011		DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS



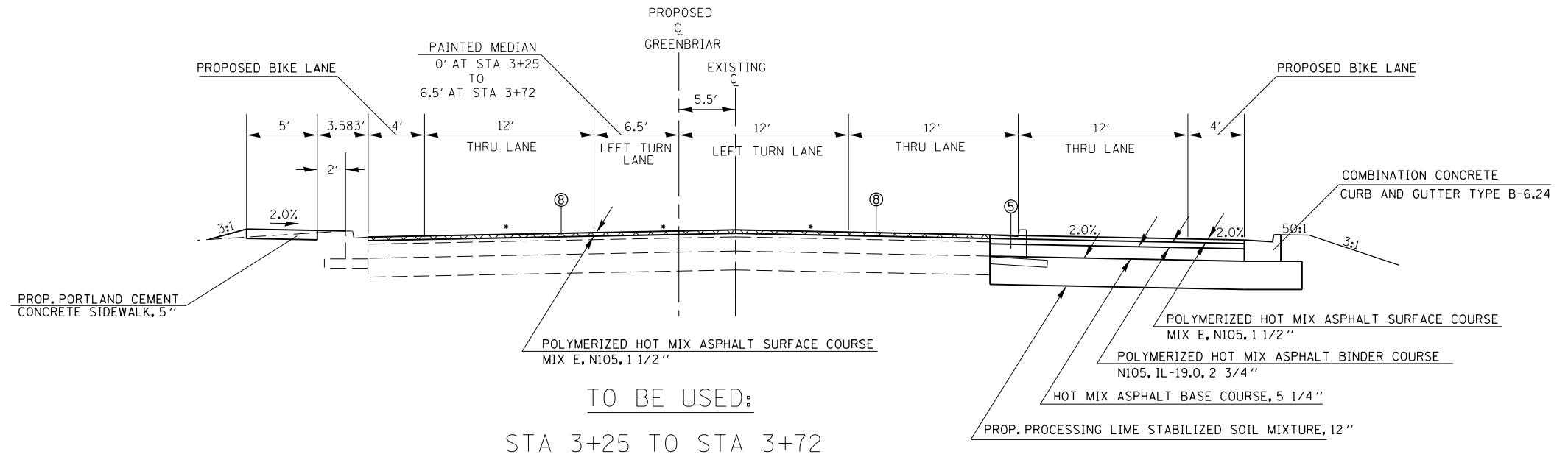
- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

* - MATCH EXISTING SLOPE



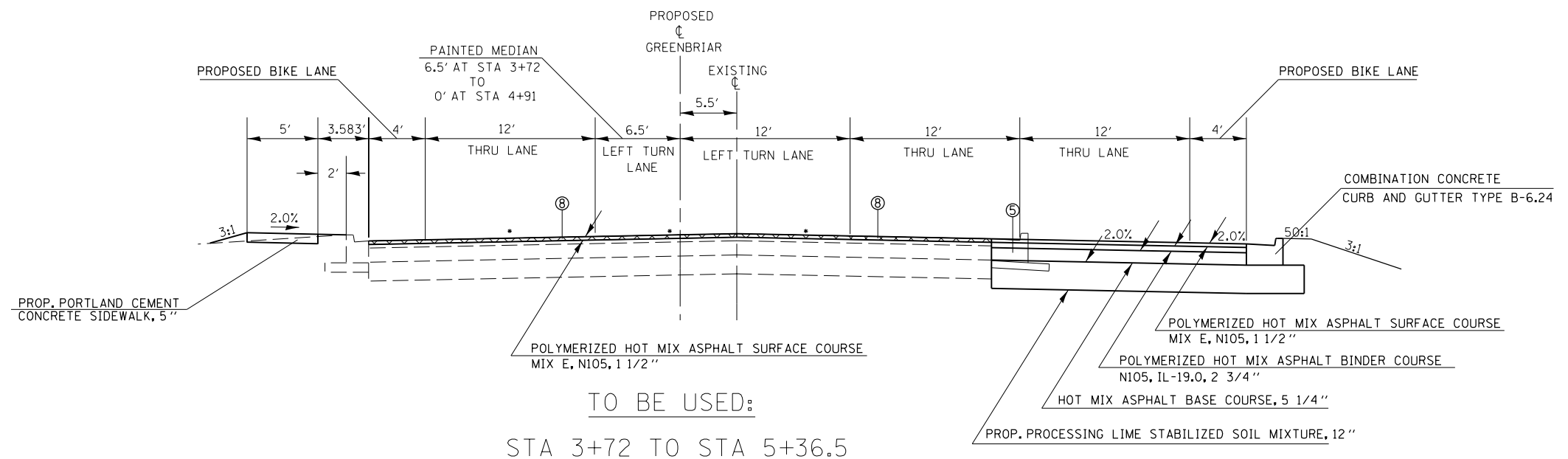
FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - GREENBRIAR ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	26
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78216				
	PLOT DATE = 12/15/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTIONS

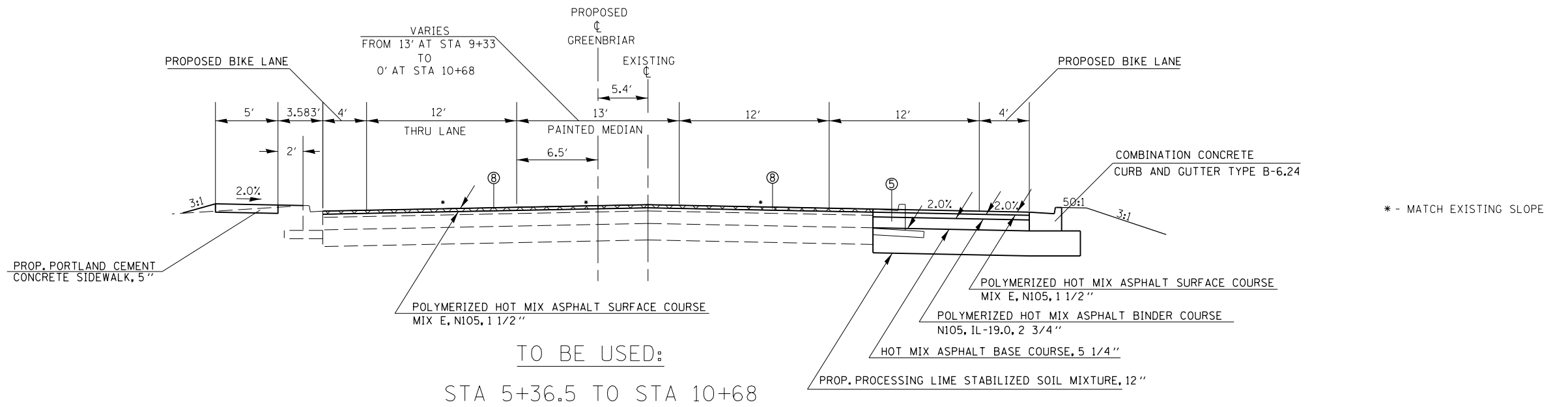


- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"

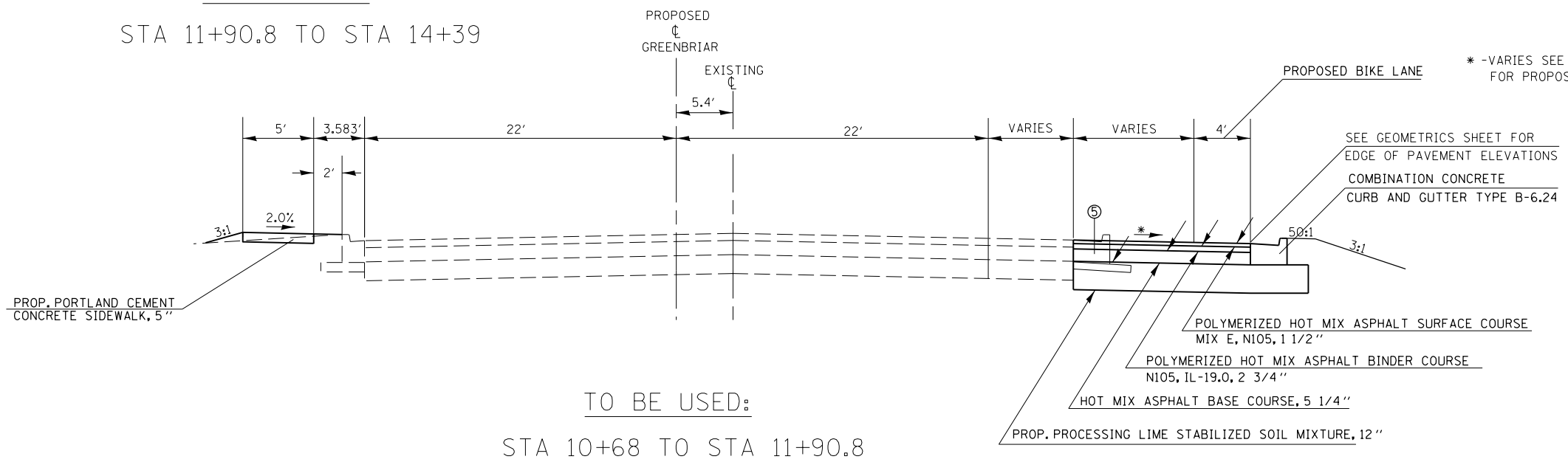
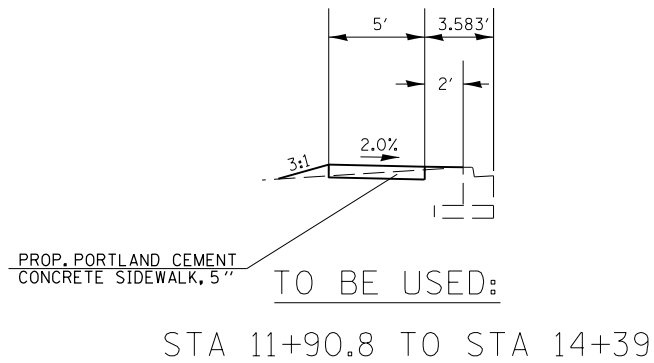
* - MATCH EXISTING SLOPE



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - GREENBRIAR ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	27
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78216				
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

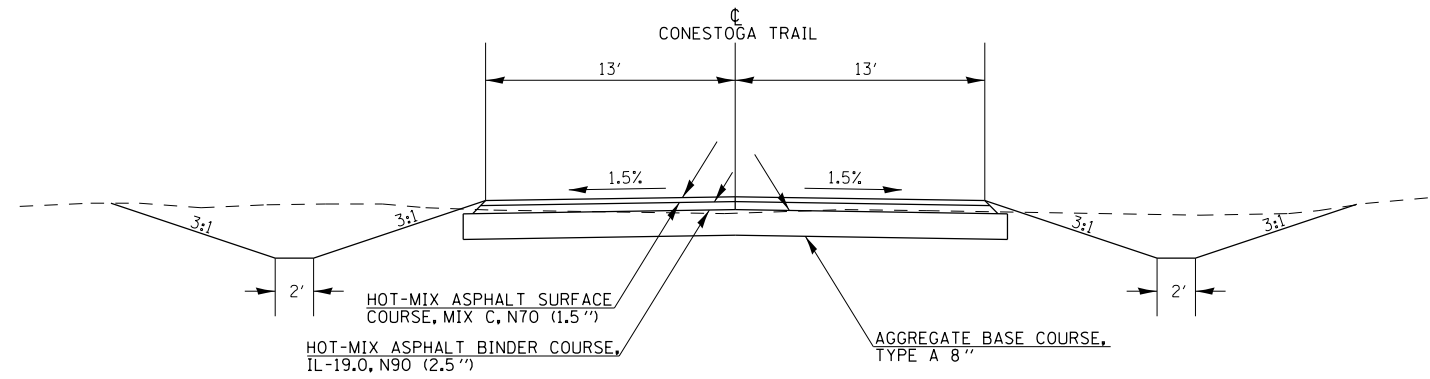


- ① EXIST. PCC PAVMENT
- ② EXIST. HOT-MIX PAVEMENT
- ③ EXIST. HOT-MIX ASPHALT SHOULDERS
- ④ PAVED SHOULDER REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ PAVEMENT REMOVAL
- ⑦ MEDIAN REMOVAL
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"



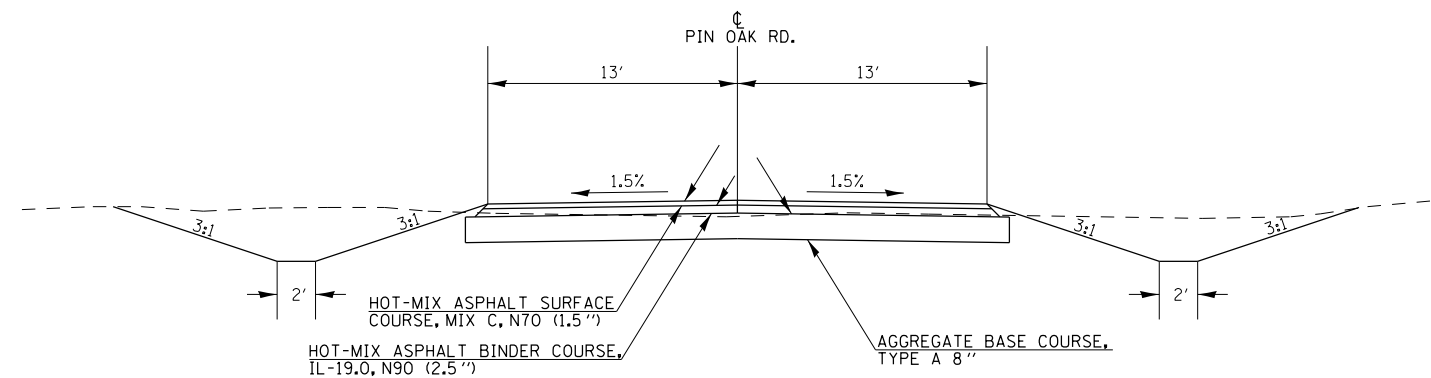
FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - GREENBRIAR ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kelleykd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	28
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216							
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTIONS



TO BE USED:
 STA 31+60.94 TO STA 39+46.45

TYPICAL SECTIONS



TO BE USED:
 STA 33+10.97 TO STA 35+28.05

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - CONESTOGA TRAIL /PIN OAK RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	et:\pwork\work\pwork\kelleykd\0205725\7826-sht-misc.dgn	DRAWN -	REVISED -			331	(1-4)R-1,N-3,TS-3	Williamson	220	29	
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78216		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/15/2011	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.		

PAVEMENT AND SHOULDER SCHEDULE

LOCATION STATION TO STATION	PROCESSING MODIFIED SOIL 12"	LIME	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105	PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/4" (JOINTED)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	STRIP REFLECTIVE CRACK CONTROL TREATMENT	TEMPORARY RAMP	PROTECTIVE COAT	SUB-BASE GRANULAR MATERIAL, TYPE C	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11 1/4"	HOT-MIX ASPHALT SHOULDERS, 8"	HOT-MIX ASPHALT SHOULDERS, 11 1/4"	PORTLAND CEMENT CONCRETE SHOULDERS, 9 1/4"	REMARKS
	SQ YD	TON	SQ YD	TON	SQ YD	GAL	GAL	TON	FOOT	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	
IL 13 (WB)																	
393+91.44 RT TO 411+02.45 RT			1920			427	308	12	1711				2371		1141		
402+00 RT TO 410+00 RT	1686.1	42															
411+02.45 LT TO 411+46.83 LT			37								31					31	
411+02.45 RT TO 412+02.34 RT			67								60					60	
411+02.45 TO 412+46.46			544		544				7		544						
411+56.68 TO 412+46.52			161		161						161						MIDDLE OF INTERSECTION
412+46.52 TO 413+46.72			270		270						270						MIDDLE OF INTERSECTION
412+46.46 TO 415+10.53			1350		1350						1350						
412+96.41 RT TO 415+10.58 RT			120								97					97	
413+85.49 LT TO 414+01.66 LT			8								6					6	
415+10.53 RT TO 416+31.72 RT			388			59	15	1	121	13		11	329	54			
416+31.72 RT TO 419+16.72 RT			728			105	36	2	285			26	585	132			
419+16.72 RT TO 424+00 RT			1019			121	87	3	483				670		322		
0+00 TO 7+84.88			2611	162		377	377	13	1570	19			1128		1395		
7+84.88 TO 17+88.07			2339			250	482	12	1003	19			1390		1784		
12+00 LT TO 15+00 LT	632.3	16															
441+90.3 RT TO 448+00. RT			427				110	2							407		
IL 13 (EB)																	
396+73.39 LT TO 404+03.39 LT			1539			182	131	5	730				1011		487		
404+03.39 LT TO 404+19. LT			33			4	2	0	16			1	23	9			
404+19. LT TO 404+25.3 LT			3				1	0	6			1		3			
404+19. LT TO 406+68.4 LT						56							310				
404+25.3 LT TO 406+68.4 LT			386				29	0	243			22		108			
406+68.4 LT TO 408+65.65 LT			588			89	24	2	197			18	493	88			
408+65.65 LT TO 410+46. LT			738			132	22	3	180			16	731	80			
410+46. RT TO 411+86. LT			134								116					116	
410+46. LT TO 412+02.58 LT			80								70					70	
410+46. TO 412+46.8			1339		1339					20	1339						
412+46.8 TO 413+60.			453		453					20	453						
412+96.65 LT TO 413+60. LT			41								35					35	
413+06.68 RT TO 413+60. RT			42								52					52	
413+60. TO 413+72.46			36	3		6	6	0	25				17		22		
0+00 TO 21+59.45			7183	486		1069	648	29	4319				3046		2399		
21+59.45 RT TO 30+16.75 RT			2188			214	257	8	857	20			1188		953		
21+59.45 LT TO 30+16.75 LT			664												572		
443+90.9 LT TO 448+00 LT			317												273		
SUBTOTALS	2318	58	27754	651	4117	3090	2533	93	11747	119	4584	96	13291	474	9754	467	

PAVEMENT AND SHOULDER SCHEDULE CONTINUED

LOCATION STATION TO STATION	PROCESSING MODIFIED SOIL 12"	LIME	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105	PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/4" (JOINTED)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	STRIP REFLECTIVE CRACK CONTROL TREATMENT	TEMPORARY RAMP	PROTECTIVE COAT	AGGREGATE BASE COURSE, TYPE A 8"	HOT-MIX ASPHALT BASE COURSE, 5 1/4"	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70	PCC SIDEWALK, 5"	DETECTABLE WARNING	REMARKS	
	SQ YD	TON	SQ YD	TON	SQ YD	GAL	GAL	TON	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	SQ FT	SQ FT		
GREENBRIAR RD.																				
+31.4 LT TO 1+17.8 LT			232		179						179									NW ISLAND
+32.4 TO 1+17.8			712		712						712									
+33.12 RT TO 1+17.8 RT			420		338						338									NE ISLAND
1+17.8 RT TO 1+92.5 RT	271	7		20		43	43	1				237		30						
1+17.8 LT TO 2+26.14 LT			49																	
1+17.8 TO 10+68.09				391		419		7	950	70										
1+92.05 LT TO 5+13.99 LT											179						1610			
1+92.5 RT TO 2+36.38 RT	137	4		10		21	21	1				117		15						
1+95 LT																				10
2+36.38 RT TO 5+36.38 RT	736	19		50		108	108	4				600		76						20
5+08 LT																				
5+36.38 RT TO 10+68.09 RT	952	22		60		128	128	4	44			709		89						
5+62.27 LT TO 9+86.74 LT											236						2122			
5+68 LT																				17
9+40 LT																				12
10+18 LT																				12
10+15.35 LT TO 13+01.86 LT											159						1433			
10+68.09 RT TO 11+55.24 RT				7		14	14	0				80		10						
10+71.2 RT TO 11+90.8 RT	141	4																		
12+96 LT																				18
13+22.7 LT TO 14+41.33 LT											66						593			
13+23 LT																				12
14+37 LT																				17
CONESTOGA TRAIL																				
31+60.94 TO 39+46.45						413		7			2414		323		192					
PIN OAK RD.																				
33+23.97 TO 33+49.54							19	0			112		15		9					
33+49.54 TO 35+28.05							94	2			549		74		44					
SUBTOTALS																				
	2238	56	1413	537	1228	733	840	26	950	114	1868	3074	1742	412	220	244	5758	118		

COMBINED TOTALS	4556	114	29167	1188	5345	3822	3373	119	12697	233	6451
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REMOVAL SCHEDULE

LOCATION STATION TO STATION	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	PAVED DITCH REMOVAL	PAVED SHOULDER REMOVAL	SLOPE WALL REMOVAL	REMARKS
	SQ YD	SQ YD	FOOT	SQ YD	SQ FT	FOOT	SQ YD	SQ YD	
IL 13 (WB)									
393+91.44 RT TO 411+81.21 RT							796		
411+02.45 LT TO 411+88 LT							71		
411+02.45 TO 415+10.15	997								TRHU LANES
411+68.3 RT TO 412+26.2 RT			66						
412+01.33 RT TO 412+91.13 RT	362								MIDDLE OF INTERSECTION
412+66.57 RT TO 415+10.27 RT					2160				
412+66.73 RT TO 420+47.49 RT	954								LEFT TURN LANE AREA
412+67.5 RT TO 413+55 RT			111						
413+36.74 RT TO 424+00 RT							473		
413+49.05 LT TO 414+01.69 RT							25		
0+00 TO 7+84.88		1962							
0+00 RT TO 17+88.07 RT							1144		
0+00 LT TO 17+88.07 LT							1589		
13+25 LT TO 16+40 LT								239	
441+90 RT TO 448+00 RT							271		
IL 13 (EB)									
396+73.39 LT TO 411+54.86 LT							658		
400+85.3 LT TO 404+19. LT	305								
408+65.4 LT TO 412+26.69 LT	649								
410+44.29 LT TO 412+26.93 LT					1849				
410+46. RT TO 411+86. RT							116		
410+46 TO 413+60	837								
411+32.1 LT TO 412+26.2 LT			109						
412+67.5 TO 413+35.9			83						
413+06.68 RT TO 413+72.46 RT							51		
413+10.79 LT TO 413+72.46 LT							27		
413+60 TO 413+72.46		34							
0+00 LT TO 21+59.45 LT							960		
0+00 TO 21+59.45		5807							
0+00 RT TO 30+16.75 RT							2683		
3+80.59 RT TO 5+00 RT						120			
21+59.45 LT TO 30+16.75 LT							381		
443+90.9 LT TO 448+00 LT							182		
GREENBRIAR RD.									
+32.4 TO 1+17.8	834								
+38.6 LT TO +83.2 LT			57						
+46.7 RT TO 1+27.4 RT			131						
+83.45 LT TO 1+17.8 LT							14		
1+17.8 TO 10+68.09		4646							
1+27.4 RT TO 10+68.09 RT			941						
1+99 LT TO 2+26.1 LT			44						
2+09.28 RT TO 11+17.08 RT						403			
5+08			15						SIDEWALK RAMP
5+68			12						SIDEWALK RAMP
10+68.09 RT TO 11+90 RT			146						
12+96			13						SIDEWALK RAMP
13+23			7						SIDEWALK RAMP
14+37			11						SIDEWALK RAMP
PIN OAK RD. (EXISTING ALIGN.)									
31+60.94 TO 35+28.05	775								
41+99.16 TO 42+27.7	127								
TOTAL									
	5840	12448	1746	403	4009	120	9440	239	

DRAINAGE REMOVAL SCHEDULE

LOCATION STATION TO STATION	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL	STORM SEWER REMOVAL, 12"	STORM SEWER REMOVAL, 18"	STORM SEWER REMOVAL, 24"	STORM SEWER REMOVAL, 30"	REMOVING MANHOLES	REMOVING INLETS	REMARKS
	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	
IL 13 (WB LANES)									
412+02.1 LT TO 412+09.9 LT				9					
412+11.21 @ 42.8' LT								1	
412+12.1 LT TO 412+82. LT				71					
412+82. LT TO 412+97.7 LT				19					
412+99 @ 42.6' LT								1	
412+99.7 LT TO 413+15.9 LT				19					
413+18.8 LT TO 413+31.8 LT							13		
0+78.3 @ 28' RT	1								
3+41.9 @ 38.2' RT	1								
IL 13 (EB LANES)									
411+65.9 @ 15.52' LT								1	
411+66.3 LT TO 412+23.3 LT			59						
411+81.7 LT TO 412+04.5 LT				28					
412+06.6 @ 48.9' LT								1	
412+06.6 LT TO 412+24. LT				25					
412+24.5 @ 30.0' LT								1	
412+25.5 LT TO 412+86.4 LT					61				
5+04.1 @ 39.8' RT	1								
11+88.5 @ 28.7' RT	1								
13+67.4 @ 44.9' RT	1								
27+27.2 @ 22.8' RT	1								
GREENBRIAR RD.									
0+74.2 @ 77.3' RT							1		
+75.7 RT TO 1+72.7 RT						107			
1+74.1 @ 31.8' RT							1		
1+75.3 RT TO 2+29.7 RT					55				
2+31.9 @ 27.3' RT								1	
2+34.1 RT TO 4+06.9 RT					173				
4+09.3 @ 26.9' RT								1	
4+11.1 RT TO 5+84.5 RT					174				
5+86.6 @ 26.9' RT								1	
5+88.3 RT TO 8+08.2 RT					220				
8+10.3 @ 27.0' RT								1	
8+12.2 RT TO 10+33.1 RT					221				
10+35.5 @ 27.2' RT								1	
PIN OAK RD. (EXIST.)									
31+55.6 RT TO 31+92.5 LT		53							
TOTAL									
	6	53	59	171	1011	13	2	10	

DRAINAGE SCHEDULE

LOCATION STATION TO STATION	BOX CULVERT END SECTION, CULVERT NO. 1	BOX CULVERT END SECTION, CULVERT NO. 2	PRECAST CONCRETE BOX CULVERT 3' X 3'	PIPE CULVERTS, CLASS A, TYPE 1 15"	PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	PIPE CULVERTS, CLASS A, TYPE 1 30"	PIPE CULVERTS, CLASS A, TYPE 1 42"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 18"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 42"	CAST-IN-PLACE REINFORCED CONCRETE END SECTION 24"	CAST-IN-PLACE REINFORCED CONCRETE END SECTION 30"	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	STORM SEWER, CLASS A, TYPE 1 12"	STORM SEWER, CLASS A, TYPE 1 15"	STORM SEWER, CLASS A, TYPE 1 18"	STORM SEWER, CLASS A, TYPE 1 24"	INLET, SPECIAL	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TRENCH BACKFILL	CONCRETE COLLAR
	EACH	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	FOOT	EACH	EACH	CU YD	CU YD
IL 13 (WB LANES)																							
407+50 @ 38.64' RT															1								
410+50 @ 39.65' RT															1								
411+92.6 LT TO 411+94.4 LT									1									3					
411+96.9 LT TO 412+96.2 LT																		100		2		30.7	
412+98.7 LT TO 413+48.1 LT																		50		1		15.4	
413+51.7 LT TO 413+95.7 LT											1												
414+12.5 @ 62.9' RT									1														
0+78.4 RT					11					1												1.1	0.32
3+42.6 RT	1		20																			10.4	
IL 13 (EB LANES)																							
5+12.5 RT							11							1								1.6	0.56
12+09.1 RT						25							1									7.5	0.44
13+66.5 RT		1	20																			9.2	
27+27.2 RT				6					1													1.8	0.29
GREENBRIAR RD.																							
+65.6 RT TO 2+30.3 RT																		175					
2+31.7 RT TO 2+32.5 RT																	24			1		6.2	0.29
2+35. RT TO 4+07.6 RT																						173	71.3
4+10 @ 41.1' RT																							
4+12.6 RT TO 5+83.8 RT																						172	70.9
5+86.3 @ 25.0' RT TO 36.5' RT																							
5+88.8 RT TO 8+05.9 RT																12				1		2.8	0.24
8+10.2 RT TO 8+05.9 RT																						217	89.4
8+10.2 RT TO 8+08.3 RT																							
8+10.9 RT TO 10+32.9 RT																							
10+35.5 @ 27.6' RT TO 36.5' RT																						222	91.5
10+36.0 @ 26.6' RT																						1	2.5
CONESTOGA TRAIL																							
32+50								39					2										32.1
PIN OAK RD. (PROP.)																							
33+38.11								35					2										7.6
TOTAL	1	1	40	6	11	25	11	74	2	2	1	4	1	1	2	33	24	328	829	8	1	454	2.4

CURB AND GUTTER SCHEDULE

LOCATION STATION TO STATION	COMBINATION CURB AND GUTTER, TYPE B-6.12	COMBINATION CURB AND GUTTER, TYPE B-6.24	COMBINATION CURB AND GUTTER, TYPE M-6.06	COMBINATION CURB AND GUTTER, TYPE M-6.24	CONCRETE MEDIAN SURFACE, 4"	PROTECTIVE COAT	REMARKS
	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ YD	
GREENBRIAR RD.							
0+37 LT TO 1+06 LT		109				24.2	STA 0+00 TO 1+09.3 (NW QUAD)
0+38.44 RT TO 0+78.94 RT				41		9.1	NE ISLAND
0+42.64 RT TO 0+78.94 RT			48		544	62.7	NE ISLAND
0+46 RT TO 1+93 RT		193				42.9	STA 0+16.3 TO 2+09.5 (NE QUAD)
1+06.6 LT TO 2+26 LT		120				26.7	
1+93 RT TO 2+37 RT		44				9.8	
2+37 RT TO 5+37 RT		300				66.7	
5+08 LT	15						
5+37 RT TO 10+71 RT		534				118.7	
5+68 LT	12						
10+71 RT TO 11+91 RT		120				26.7	END IMPROVEMENT STA 10+48.3 (JAL-EB)
12+96 LT	7						
13+23 LT	13						
14+37 LT	11						
IL 13 (WB)							
412+93.04 LT TO 413+27.48 LT				35		7.8	NE ISLAND
TOTAL	58	1420	48	76	544	395	

GUARDRAIL SCHEDULE

LOCATION STATION TO STATION	GUARDRAIL REMOVAL	HOT-MIX ASPHALT SHOULDERS, 8"	STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKERS DIRECT APPLIED	GUARDRAIL MARKERS, TYPE A
	FOOT	SQ YD	FOOT	EACH	EACH	EACH
IL 13 (WB)						
12+50. LT TO 17+50 LT	500	153	500			10
17+50 LT				1	1	
IL 13 (EB)						
20+67 RT TO 30+17 RT			950	1	1	19
22+35 RT TO 28+20 RT	585	290				
TOTAL	1085	443	1450	2	2	29

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	33
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	PAINT PAVEMENT MARKING - LINE 4"				PAINT PAVEMENT MARKING - LINE 12"	PAINT PAVEMENT MARKING - LINE 24"	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE 4"			PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LETTERS AND SYMBOLS	PAVEMENT MARKING REMOVAL	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING - 5"	GROOVING FOR RECESSED PAVEMENT MARKING - 13"	GROOVING FOR RECESSED PAVEMENT MARKING - 25"	REMARKS
	WHITE SOLID	YELLOW SOLID	WHITE DASHED	YELLOW DASHED	YELLOW			WHITE SOLID	YELLOW SOLID	WHITE DASHED	WHITE								
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	SO FT	SO FT	FOOT	FOOT	FOOT	
IL 13 (WB)																			
393+91.44 RT TO 399+91.44 RT									1200										
399+91.44 RT TO 411+02.5 RT									1111	278				370					
411+02.5 RT TO 412+02.5 RT										40						40			
412+00 RT TO 413+38 RT										72						24			
412+81.7 RT TO 415+10.2 RT								318			36					318	36		LEFT TURN GUIDES
412+97 RT TO 415+10.2 RT									219							219			
412+97.2 RT																			
413+03												12						12	
413+03 TO 415+10.2												34						34	
413+63.6 LT TO 415+10.2 LT								146			104					104			
413+87 RT																146			
414+37 LT													20.6		20.6				1 LT ARROW W/ ONLY
415+10.2 RT TO 416+31.7 RT								122	122	31				41					
415+10.2 LT TO 416+68 LT								158											
415+87 RT													20.6		20.6				
416+37 LT													20.6		20.6				
416+31.7 RT TO 424+00 RT														256					
0+00 TO 7+84.9								785	769	192									
7+84.9 LT TO 17+88 LT								1003	785	393				334					
										251									
IL 13 (EB)																			
396+73.39 LT TO 406+68.39 LT									996	249				498					
406+68.39 LT TO 410+46. LT								755	378	94									
407+05 LT													41.2						
409+05 LT													41.2						
410+46.00 LT TO 412+02.5 LT								157	162							319			2 LT ARROWS W/ ONLYS
410+46.00 TO 412+21.8								522		84	21					450	21		
412+02.5 LT																		24	
412+09 RT																		14	
412+12.5																		36	
412+97.5 LT TO 413+60 LT									71							71			
413+29 TO 413+60								31		16						47			
413+60 TO 413+72.2								12	12	6									
0+00 TO 21+59.5								2160	2160	1080									
21+59.5 TO 30+16.8								857		214				286					
GREENBRIAR RD.																			
0+32 LT TO 0+55 LT								60			30					60	30		
0+42.5 LT												16						16	
0+49.5 LT												18						18	
0+61 RT												24						24	
0+79 RT												18						18	
0+32 RT TO 1+15 RT								285			164					285	164		
0+61 TO 1+17.8								114	114	14						242			
1+17.8 TO 2+35.9	280	238	30																
1+17.8 LT TO 5+00 LT	382																		BIKE PATH LINE
1+99									41.2										
2+05 RT									13.5										BICYCLIST MARKING
2+35.9 RT TO 10+68 RT	832		208																
2+35.9 TO 3+25		180																	
3+25 TO 4+90	165	617			34														
3+71									20.6										
5+00 LT									13.5										BICYCLIST MARKING
5+81.5 TO 10+68		1960			326														
5+88. LT TO 10+68. LT	480																		BIKE PATH LINE
8+45 RT									20.6										
10+45 RT									20.6										
CONESTOGA TRAIL																			
31+61 LT TO 39+47 LT	786			197															
31+61 RT TO 33+29 RT	168																		
33+99 RT TO 39+47 RT	548																		
PIN OAK RD.																			
33+21 LT TO 35+28 LT	211																		INCLUDES RADIUS
33+24 TO 35+28		51																	
33+21 RT TO 35+25 RT	228																		INCLUDES RADIUS
33+35						17													
TOTALS	4080	3046	238	197	360	17	130	7485	8099	3118	251	196	165	1785	62	2325	251	196	

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.P. RTE. 331	SECTION (I-4)R-1,N-3,TS-3	COUNTY Willamson	TOTAL SHEETS 220	SHEET NO. 34
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -							
	PLOT DATE = 12/22/2011	DATE -	REVISED -							
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		
ILLINOIS FED. AID PROJECT										

SEEDING AND 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. DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER	STONE RIPRAP, CLASS A4	FILTER FABRIC	REMARKS
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	SO YD	FOOT	EACH	FOOT	SO YD	SO YD	
ILLINOIS 13 (WB LANES)														
393+92 RT TO 411+99 RT	1.6	1.6	251.2	188.4	188.4	3.14	3.14	803.1						MEDIAN
399+75 RT TO 411+50 RT									56					
399+70										1				
411+90										1				
413+97										1				
413+00 RT TO 424+00 RT	0.8	0.8	134.4	100.8	100.8	1.68	1.68	488.9						MEDIAN
413+50 RT TO 417+75 RT									40					
413+95.5 LT TO 414+87. LT												214	214	
417+87										1				
418+00 RT TO 424+00 RT									24					
0+00 LT TO 5+00 LT											500			
0+00 RT TO 17+88 RT	1.4	1.4	216.0	162	162	2.70	2.70	794.7						MEDIAN
0+00 LT TO 13+20 LT								586.7	168					
0+00 LT TO 17+88 LT	0.9	0.9	147.2	110.4	110.4	1.84	1.84							
0+78										2				
0+80 RT TO 11+50 RT									32					
3+42										1				
13+00 LT TO 17+88 LT											488			
13+38.33 LT												189	189	
ILLINOIS 13 (EB LANES)														
0+00 RT TO 3+50 RT								155.6	48		350			
0+00 RT TO 30+17 RT	1.9	1.9	305.6	229.2	229.2	3.82	3.82							
3+50 RT TO 6+50 RT								133.3	32					
5+09										1				
6+50 RT TO 8+50 RT											200			
8+50 RT TO 12+15 RT								157.8	40					
11+60 RT TO 16+00 RT											440			
12+07										1				
13+67										1				
16+00 RT TO 23+45 RT								331.1	128					
23+66.53 RT												189	189	
23+50 RT TO 30+00 RT											650			
27+27										1				
GREENBRIAR RD.														
0+45 LT TO 1+95 LT	0.1	0.1	20.8	15.6	15.6	0.26	0.26	80	32		150			NW QUAD
0+45 RT TO 1+95 RT	0.2	0.2	24.0	18	18	0.30	0.30	82.2	40		215			NE QUAD
1+95 TO 11+90	0.4	0.4	64.0	48	48	0.80	0.80	444.4			1001			
2+05 LT TO 14+40 LT											1125			
CONESTOGA TRAIL														
31+61 LT TO 39+47 LT	0.5	0.5	73.6	55.2	55.2	0.92	0.92	349.3	48		787			
31+61 RT TO 33+41 RT								80			180			
31+61 RT TO 39+47 RT	0.6	0.6	102.4	76.8	76.8	1.28	1.28		64					
32+50										2				
33+88 RT TO 39+47 RT								248.4			559			
PIN OAK RD.														
33+39										2				
33+65 RT TO 35+28 RT	0.4	0.4	59.2	44.4	44.4	0.74	0.74	72.4	24		191			
33+65 LT TO 35+28 LT	0.1	0.1	14.4	10.8	10.8	0.18	0.18	72.4	24		191			
TOTALS	8.8	8.8	1413	1060	1060	17.7	17.7	4880	800	15	7027	592	592	

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

LOCATION STATION TO STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	STONE DUMPED RIPRAP, CLASS A1	SUB-BASE GRANULAR MATERIAL, TYPE C
	CU YD	TON	TON
IL 13 (WB)			
0+00 TO 17+87.5	188	257	128
IL 13 (EB)			
24+00 TO 30+00	235	321	161
TOTALS	423	578	289

RIGHT-OF-WAY MARKERS

LOCATION STATION	OFFSET FROM CENTERLINE	FURNISH AND ERECTING RIGHT-OF-WAY MARKERS
	FEET	EACH
GREENBRIAR RD.		
1+36.71	100 RT	1
2+25	75 RT	1
4+00	75 RT	1
4+00	60 RT	1
8+00	60 RT	1
8+00	50 RT	1
11+00	50 RT	1
11+00	30.4 RT	1
TOTALS		8

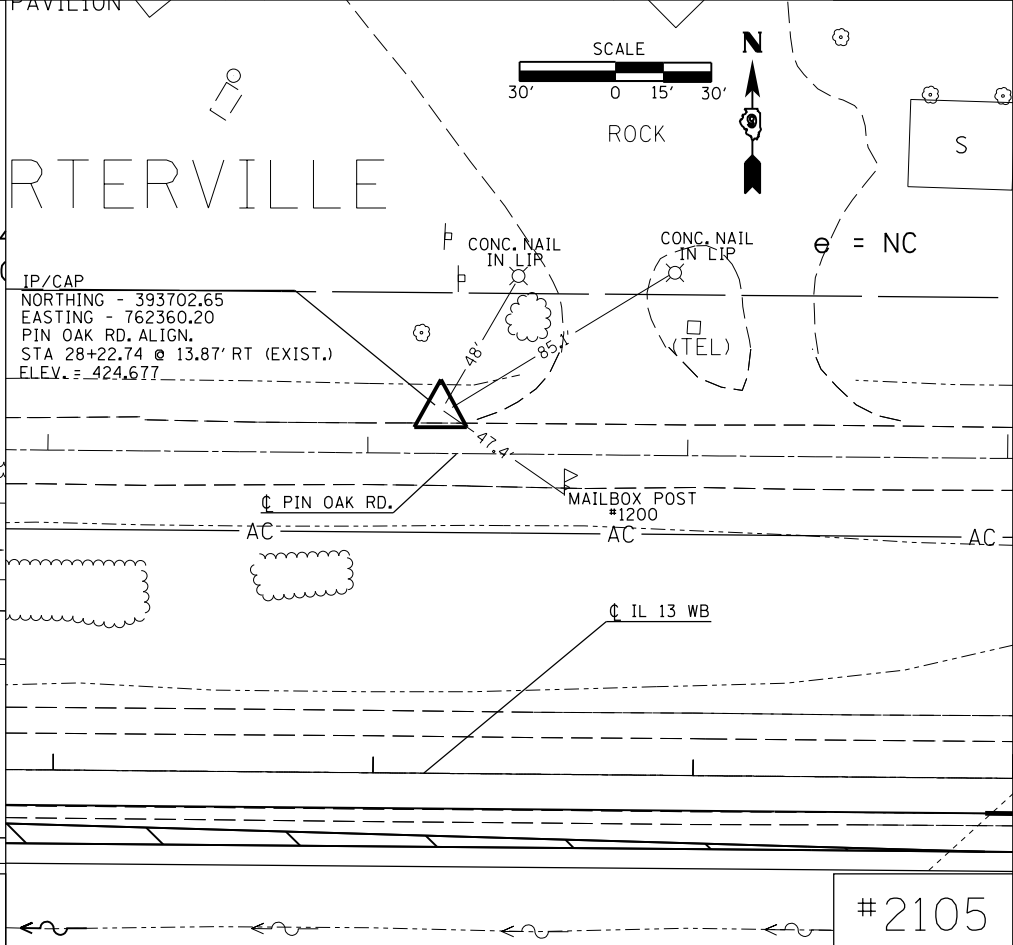
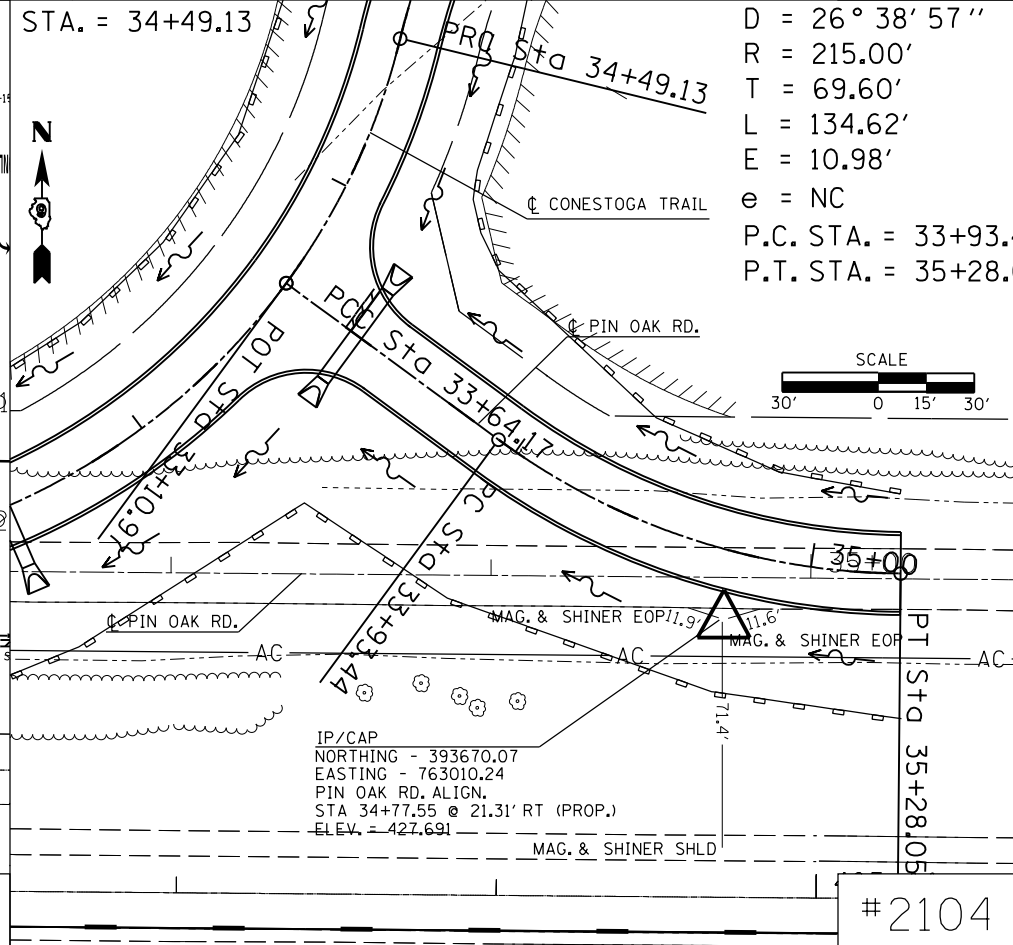
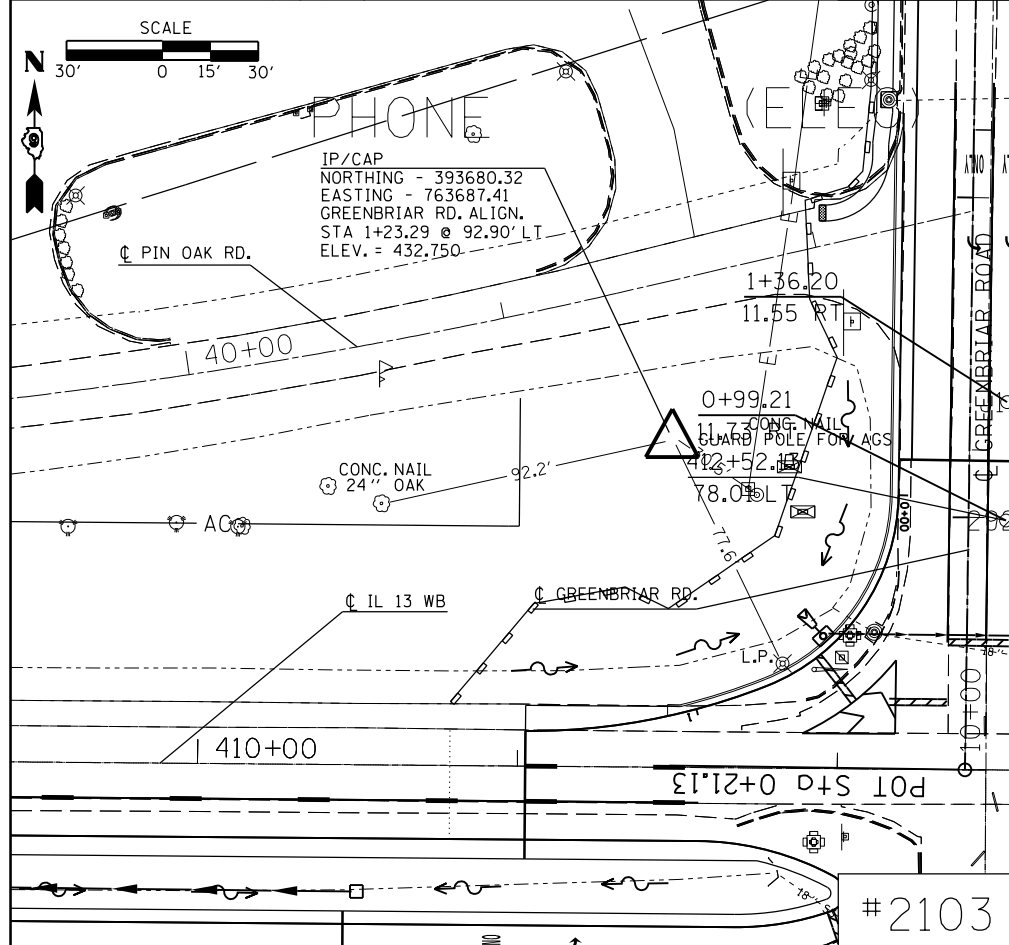
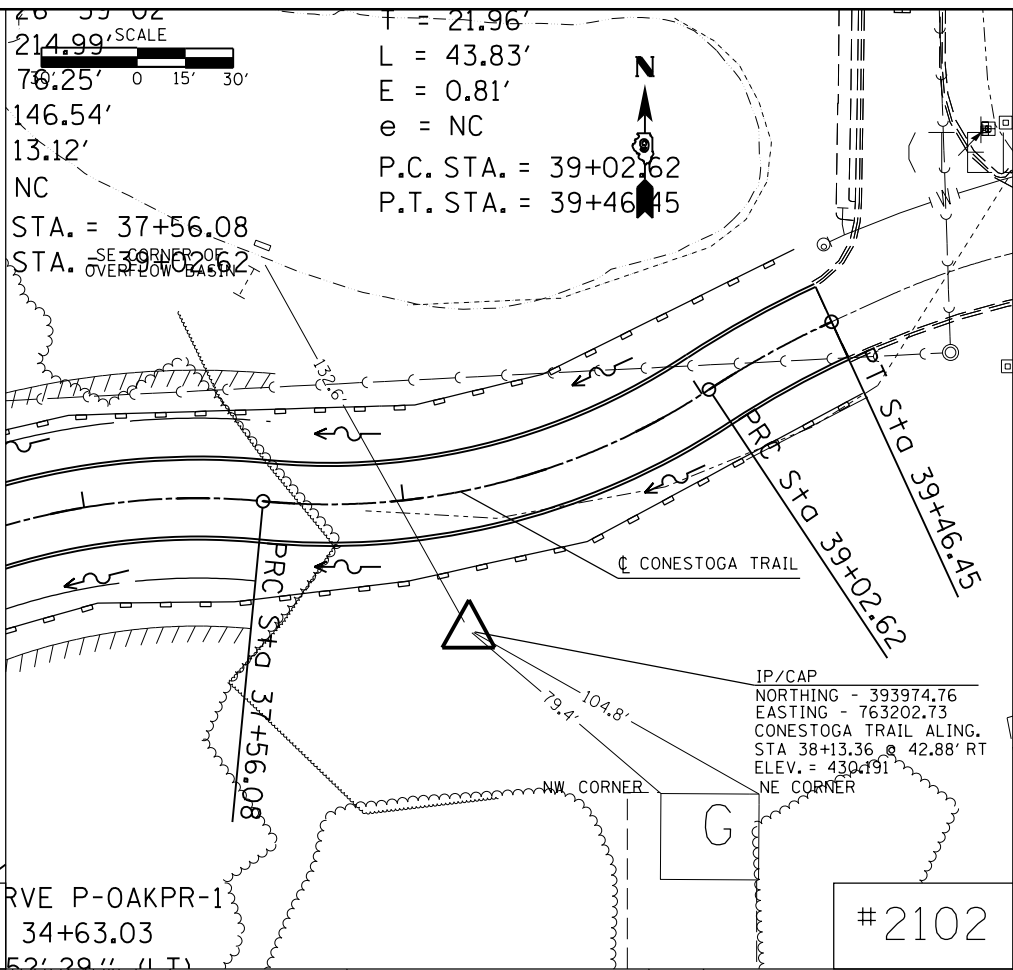
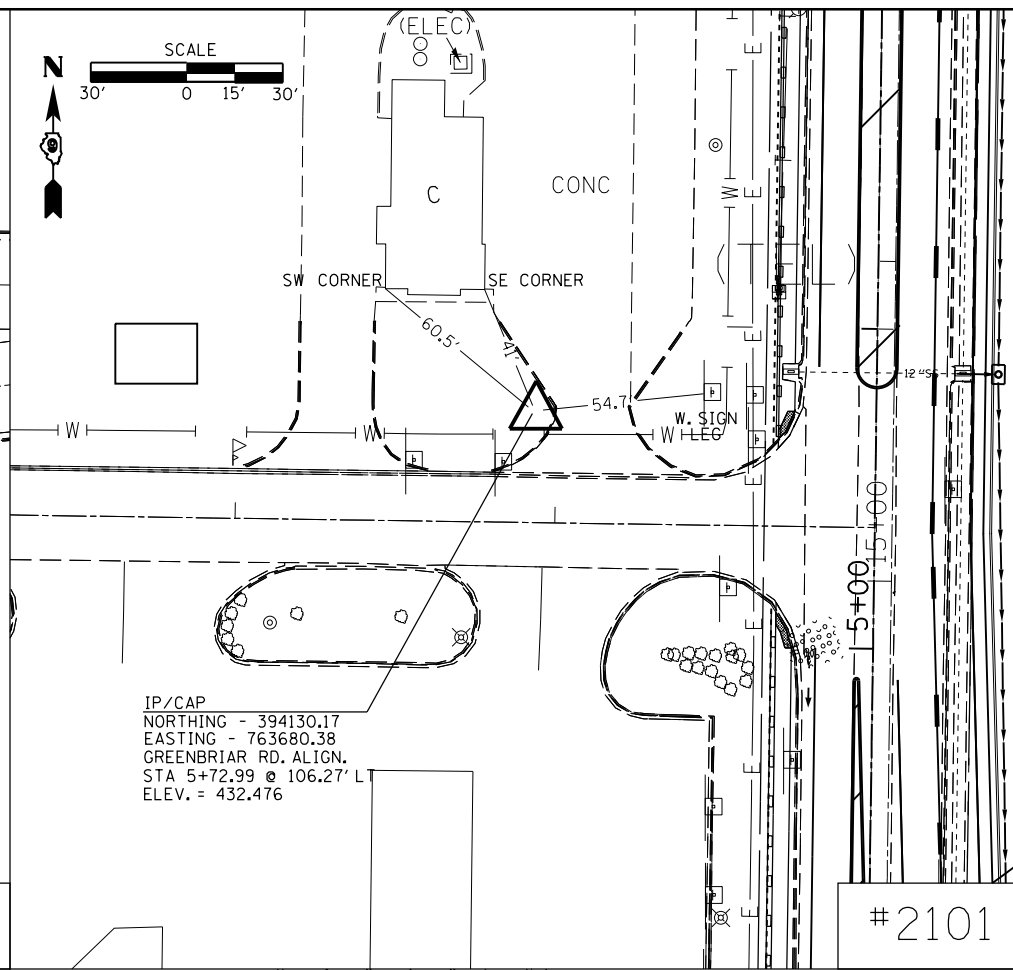
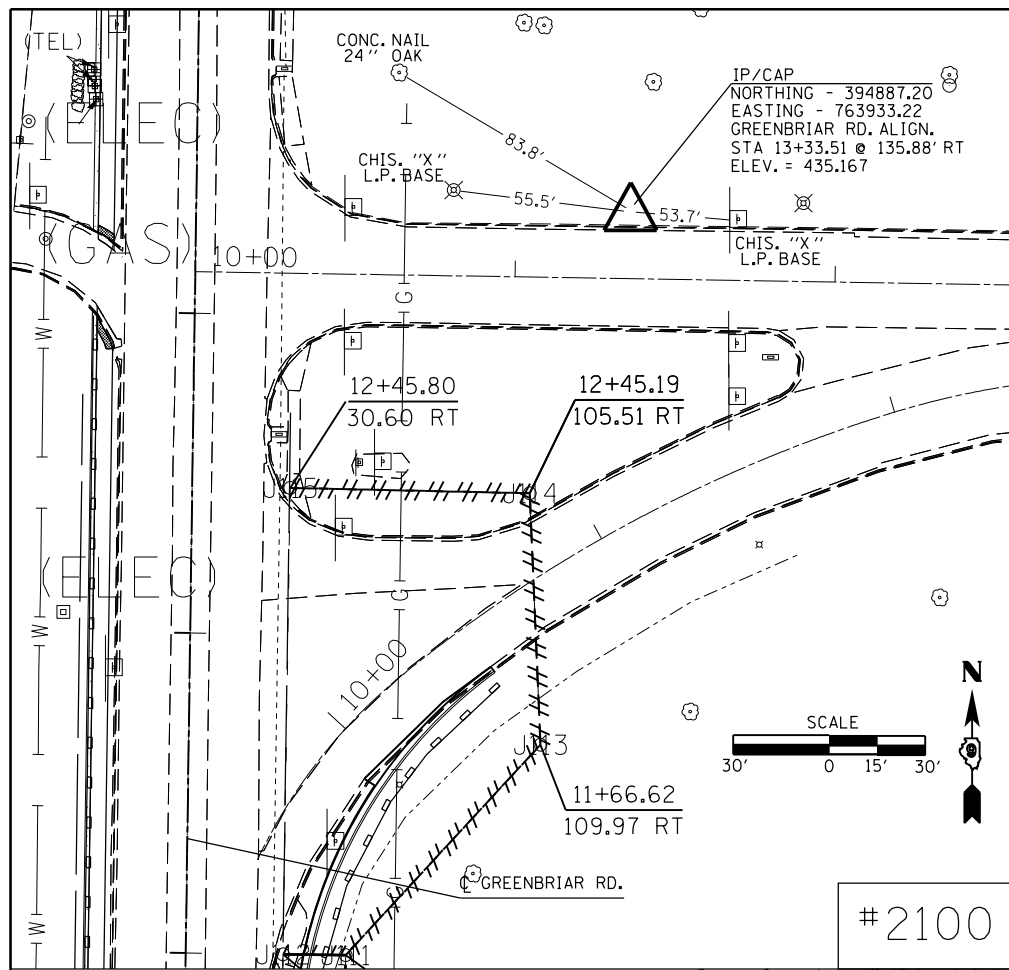
TREE REMOVAL SCHEDULE

LOCATION STATION	OFFSET FROM CENTERLINE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES	REMARKS
	FEET	UNITS	UNITS	ACRE	
ILLINOIS 13 (WB)					
1+02	60 LT	10			
1+05	59 LT	12			
1+13	59 LT	14			
2+14	55 LT	10			
2+21	56 LT	14			
2+32	54 LT	14			
2+47	59 LT	10			
2+61	60 LT	12			
2+73	61 LT	10			
2+87	62 LT		20		
2+91	58 LT	15			
3+23	61 LT	15			
3+32	61 LT	14			
3+42	68 LT	8			
3+52	67 LT	10			
14+69	30 LT	12			
14+69	34 LT	15			
15+00	29 LT	10			
15+10	29 LT	12			
15+38	36 LT	10			
15+50	39 LT	12			
15+72	37 LT	8			
15+84	39 LT	8			
16+11	38 LT	14			
17+08	39 LT	10			
17+28	45 LT	10			
17+68	38 LT		24		
ILLINOIS 13 (EB)					
0+95 RT TO 3+00 RT				0.03	
3+50 RT TO 6+00 RT				0.07	
8+00 RT TO 24+33 RT				0.42	
CONESTOGA TRAIL					
31+61 TO 39+47				0.89	
PIN OAK RD.					
32+28 TO 35+28				0.13	
TOTALS		289	44	1.54	

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	CU YD	CU YD	CU YD	CU YD	
ILLINOIS 13 (MEDIAN)					
13WBL-2 ALIGNMENT					
393+50 TO 412+00	2706	2030	2072	-43	
413+00 TO 424+00	2099	1574	835	739	
PROPI3WB ALIGNMENT					
0+00 TO 17+87.5	1381	1036	382	654	
13WBL-3 ALIGNMENT					
442+00 TO 448+00	212	159	0	159	
ILLINOIS 13 WB					
13WBL-2 ALIGNMENT					
414+00 TO 416+00	122	92	26	66	
PROPI3WB ALIGNMENT					
0+00 TO 17+87.5	2867	2150	2778	-628	
ILLINOIS 13 EB					
PROPI3EB ALIGNMENT					
0+00 TO 30+00	5422	4067	4141	-75	
GREENBRIAR					
0+50 TO 11+50	1870	1403	416	987	
PIN OAK RD. (EXIST.)					
30+54 TO 31+60.94	35	26	32	-6	
CONESTOGA TRAIL					
31+60.94 TO 39+46.45	2019	1514	549	965	
PIN OAK RD. (PROP.)					
33+38.11 TO 35+28.05	748	561	160	401	
TOTALS		19481	14611	11391	3220

25% Shrinkage Factor for Earth Excavation



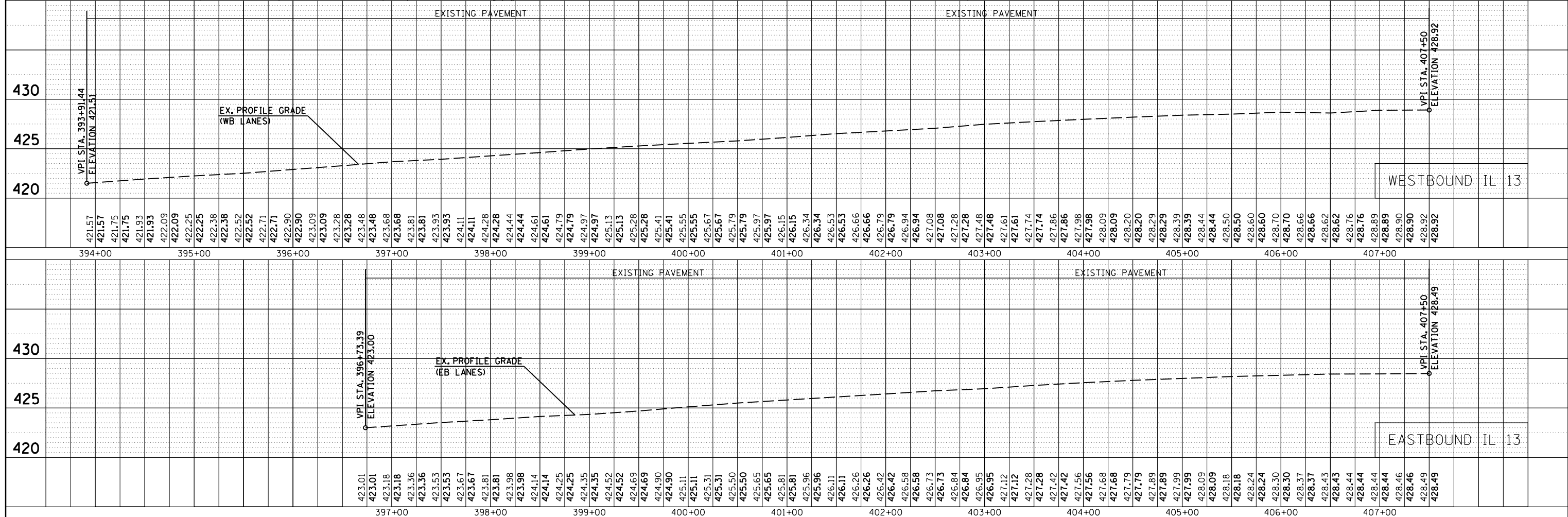
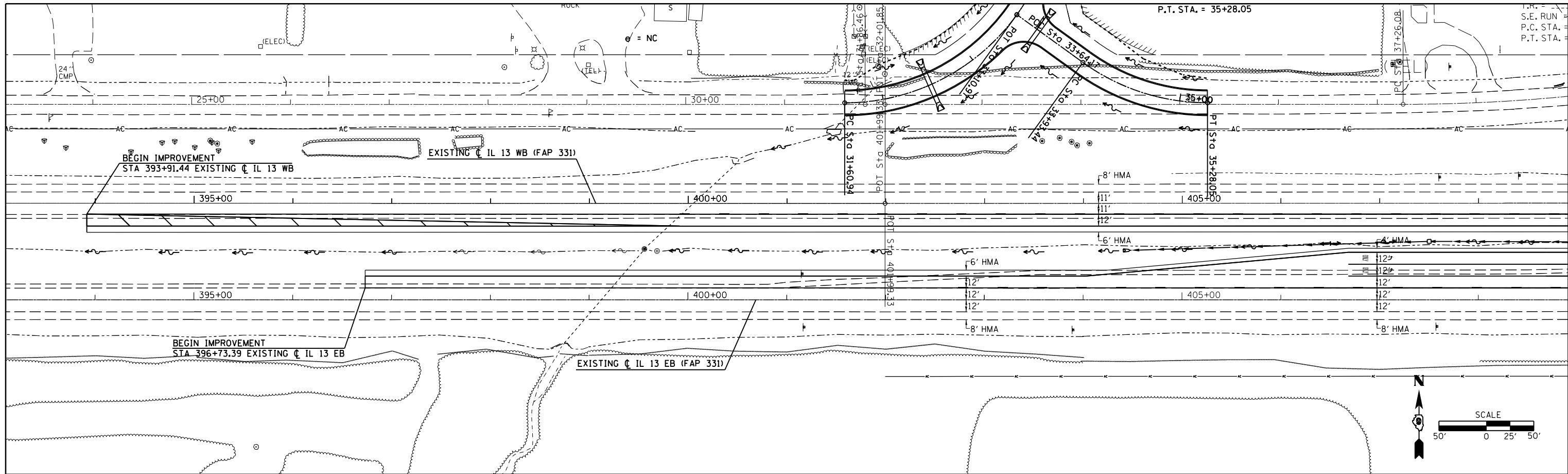
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TIE POINTS SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET OF SHEETS	331	(1-4)R-1,N-3,TS-3	Williamson	220	37
STA. TO STA.		CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS OK'D		
	CADD FILE NAME		
	NO.		

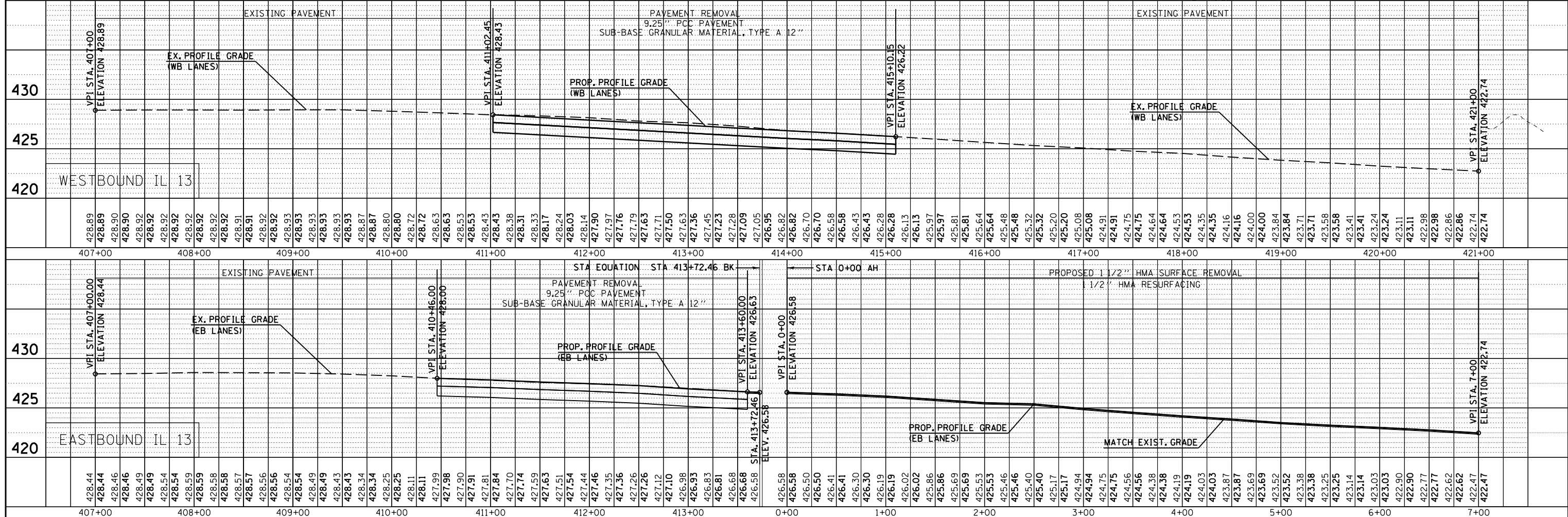
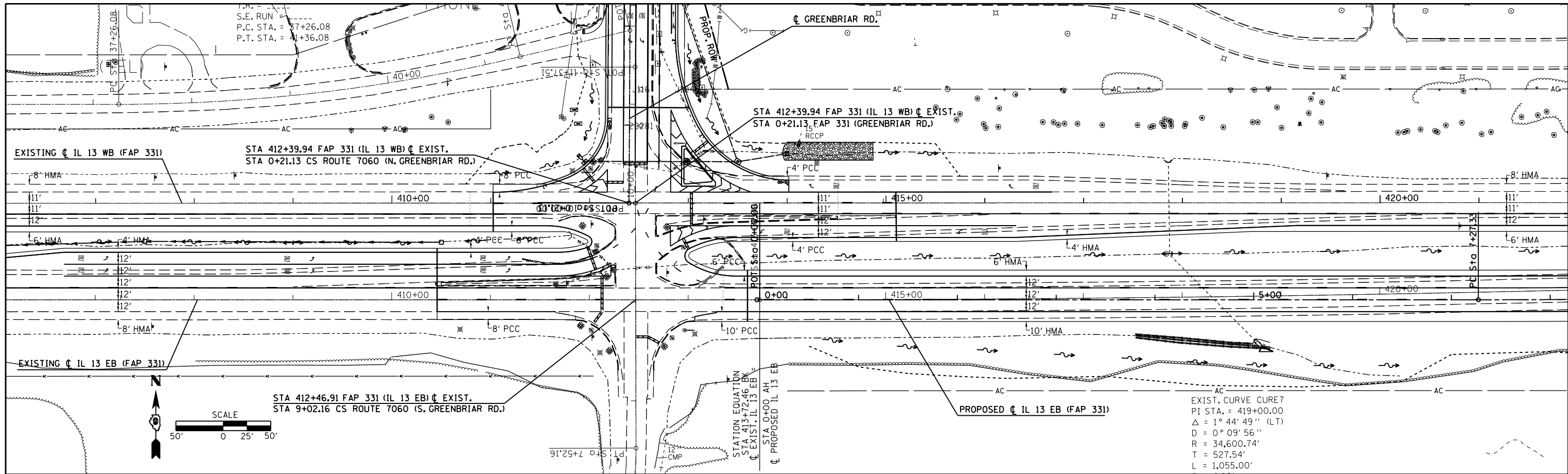
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO.		



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE SHEET (IL 13)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\kellejkd\0205725\78216	sh-t-plnpr.f.dgn	CHECKED -	REVISED -			331	(1-4)R-1,N-3,TS-3	Williamson	220	38
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			CONTRACT NO. 78216				
	PLOT DATE = 12/15/2011	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

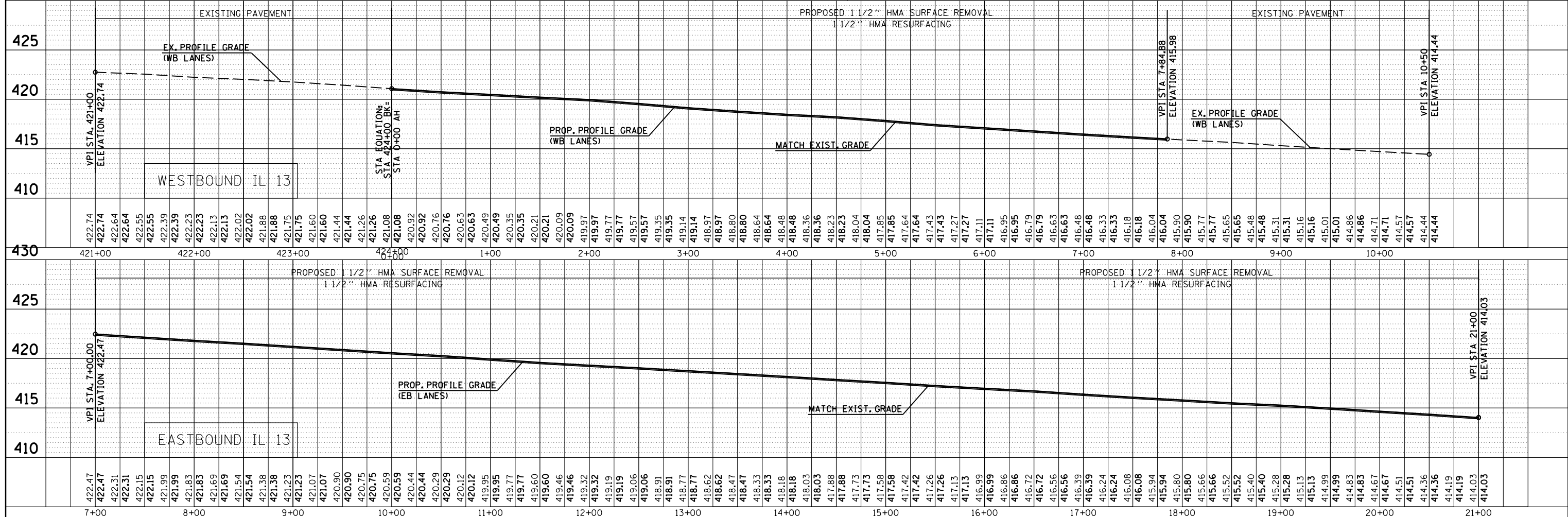
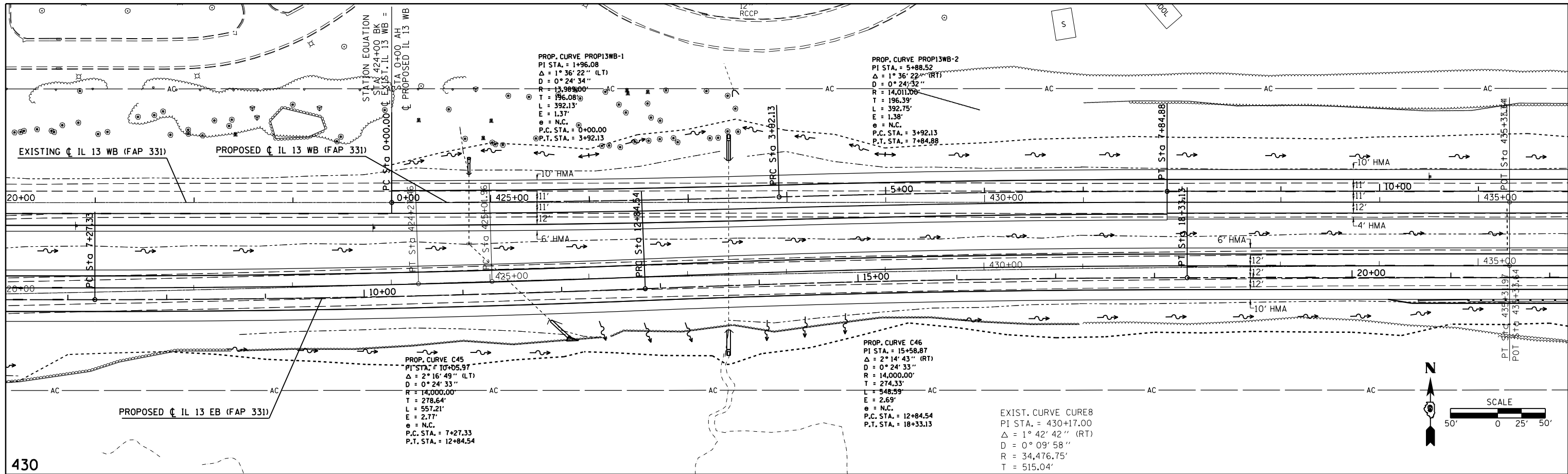
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
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FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE SHEET (IL 13)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\kellejkd\0205725\78216	shp-plnpr.f.dgn	CHECKED -	REVISED -			331	(1-4)R-1,N-3,TS-3	Williamson	220	39	
		PLOT SCALE = 100.0000' / in.	REVISED -			CONTRACT NO. 78216					
		PLOT DATE = 12/15/2011	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

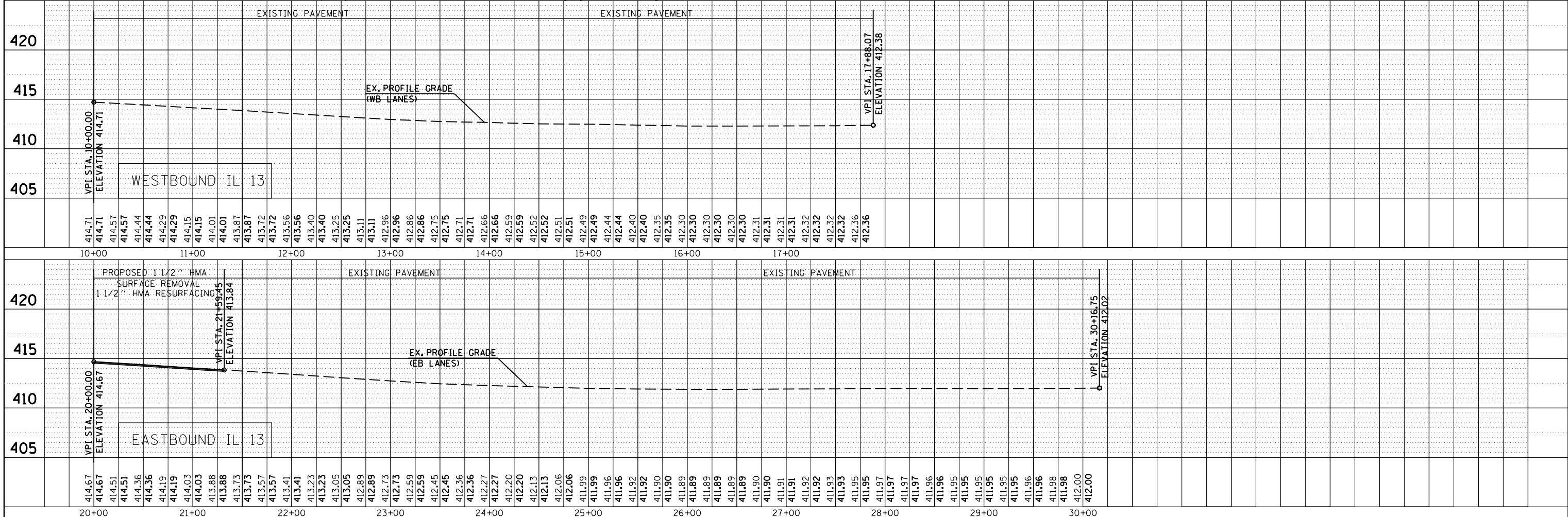
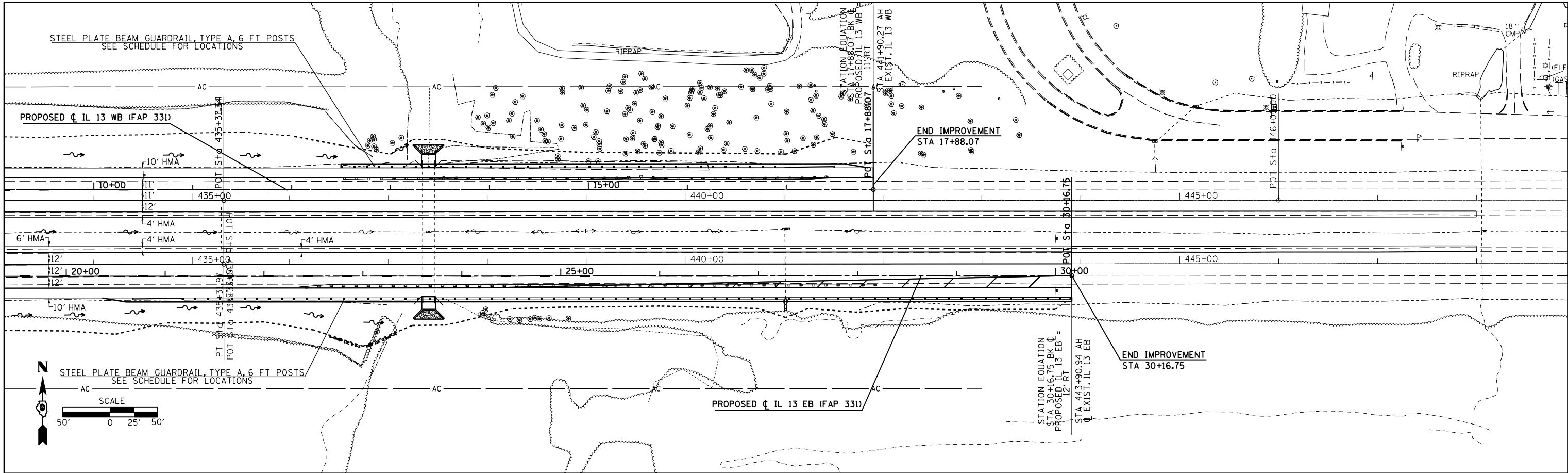
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	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME =	USER NAME = kellekjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE SHEET (IL 13)	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			CONTRACT NO. 78216					
	PLOT DATE = 12/15/2011	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILE NAME		

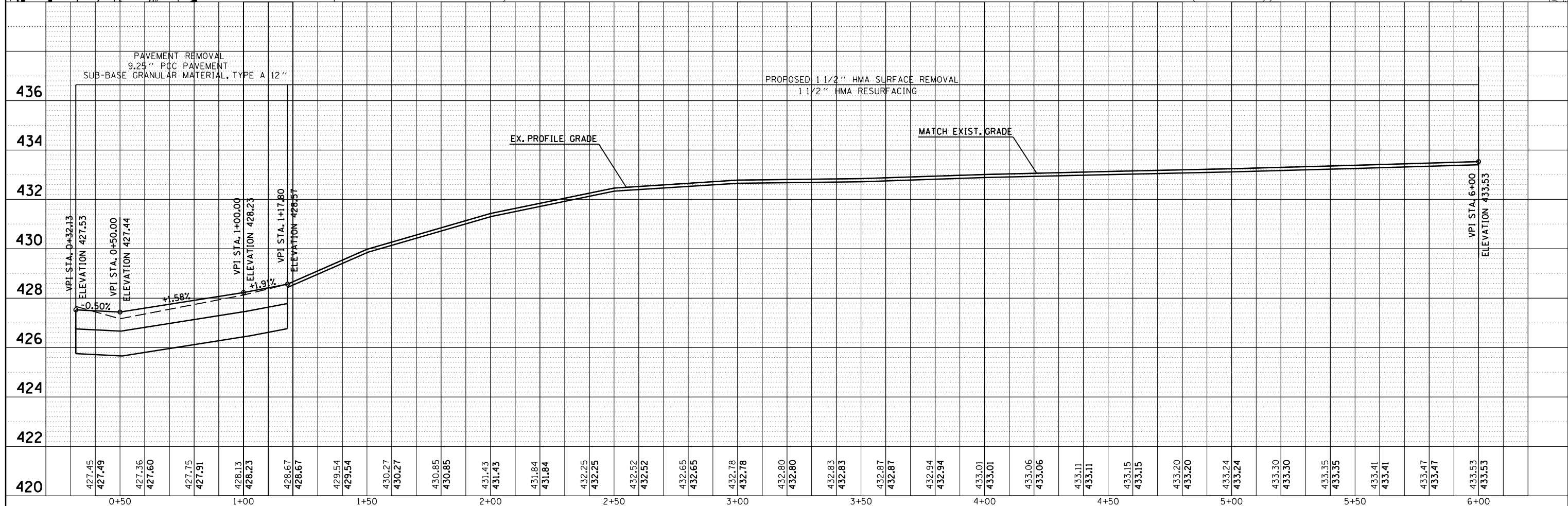
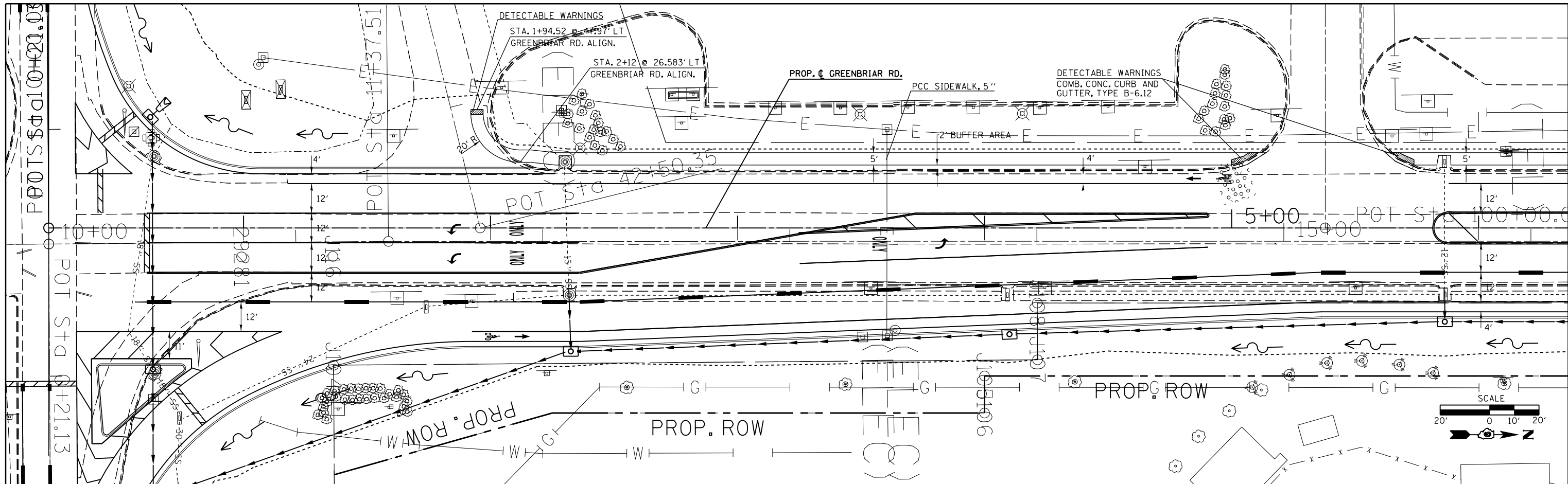
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE SHEET (IL 13)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\kellejkd\0205725\78216	sh-p\p\pr.f.dgn	CHECKED -	REVISED -				331	(1-4)R-1,N-3,TS-3	Williamson	220	41
PLOT SCALE = 100.0000' / in.		DRAWN -	REVISED -		CONTRACT NO. 78216						
PLOT DATE = 12/15/2011		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
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	NO.		

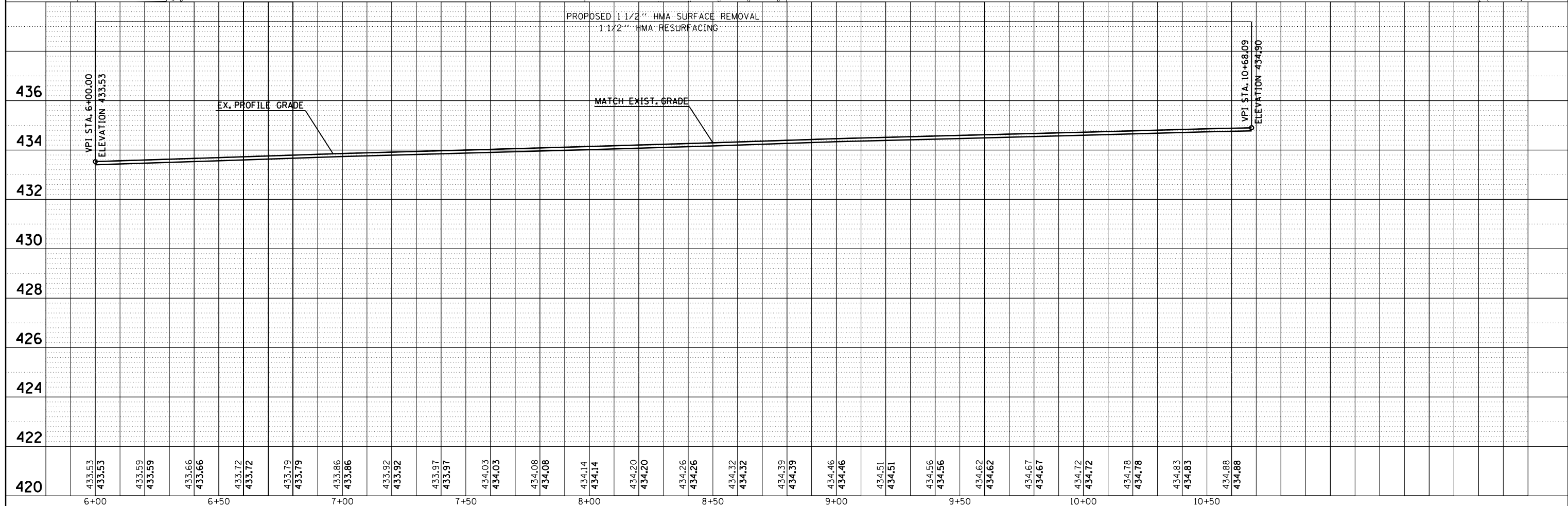
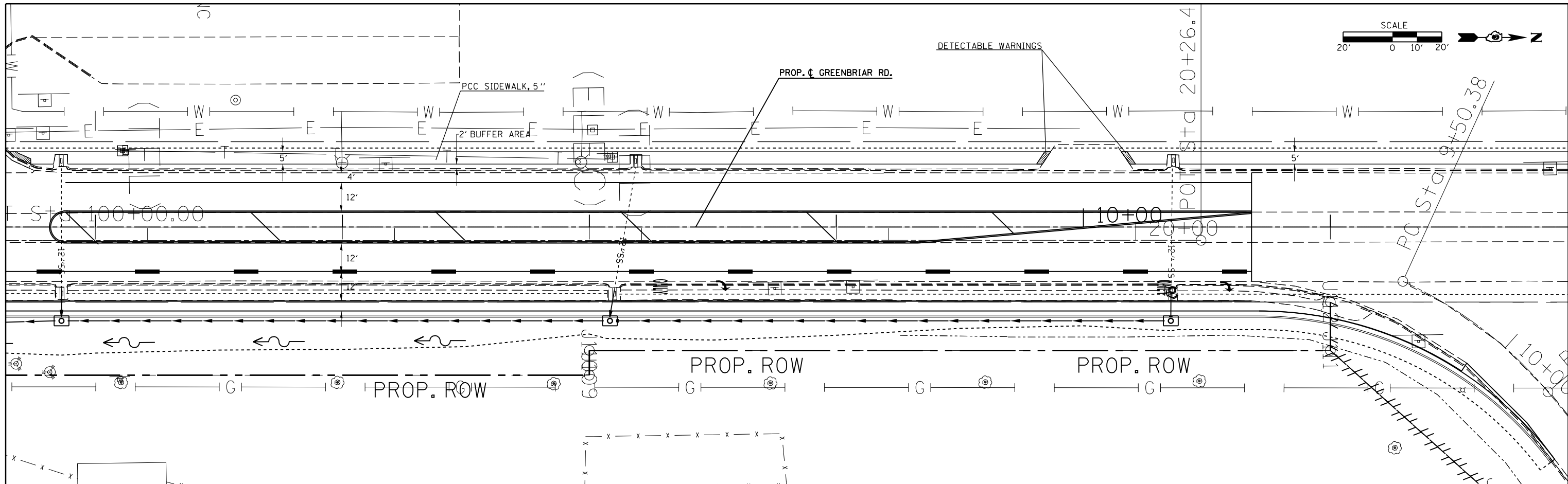
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	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE SHEET (GREENBRIAR RD.)	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\kellejkd\0205725\78216	sh-t-plnpr.f.dgn	DRAWN -	REVISED -			331	(1-4)R-1,N-3,TS-3	Williamson	220	42	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78216					
	PLOT DATE = 12/15/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATION		
	CHPKD		
	NO.		



FILE NAME =	USER NAME = kellekjd	DESIGNED -	REVISIED -
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	PLOT DATE = 12/15/2011	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

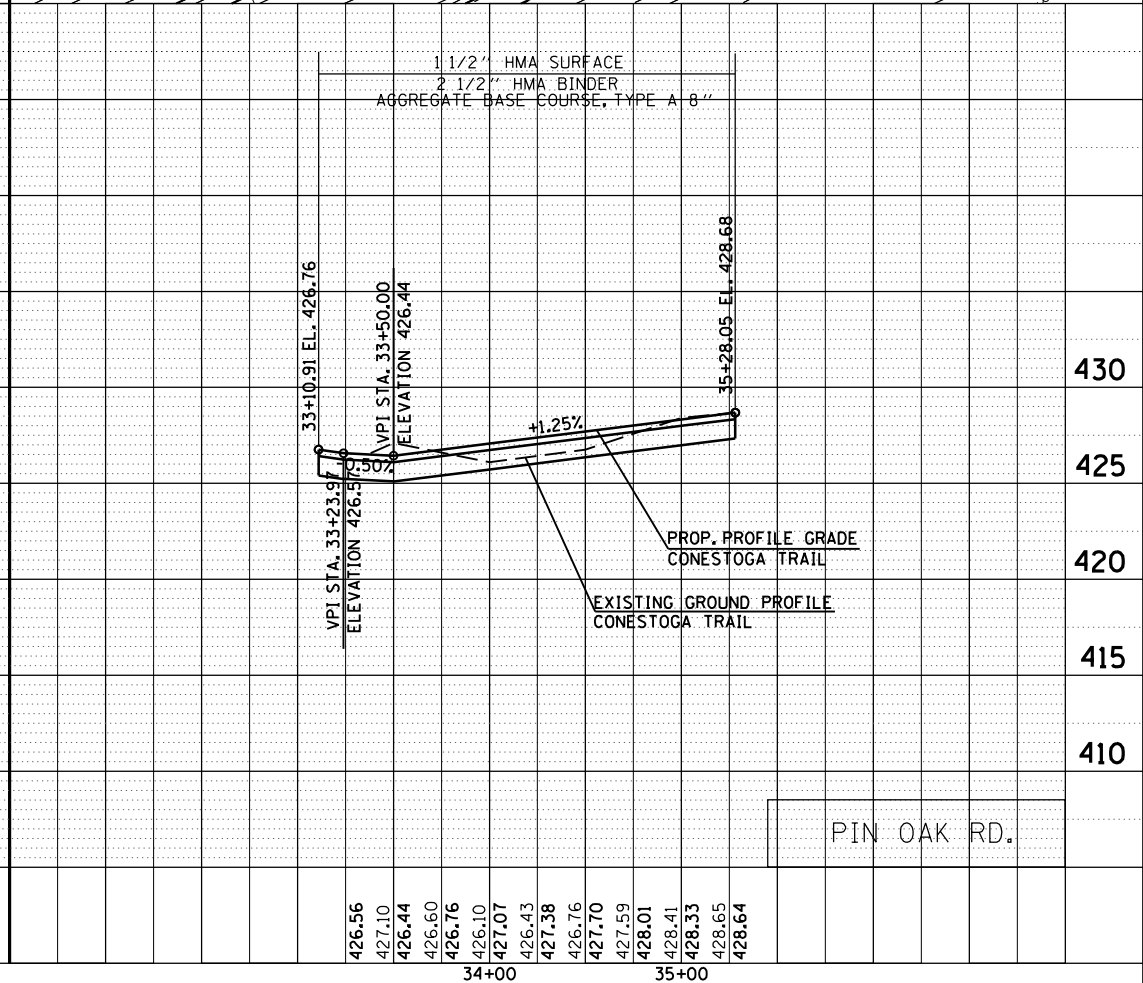
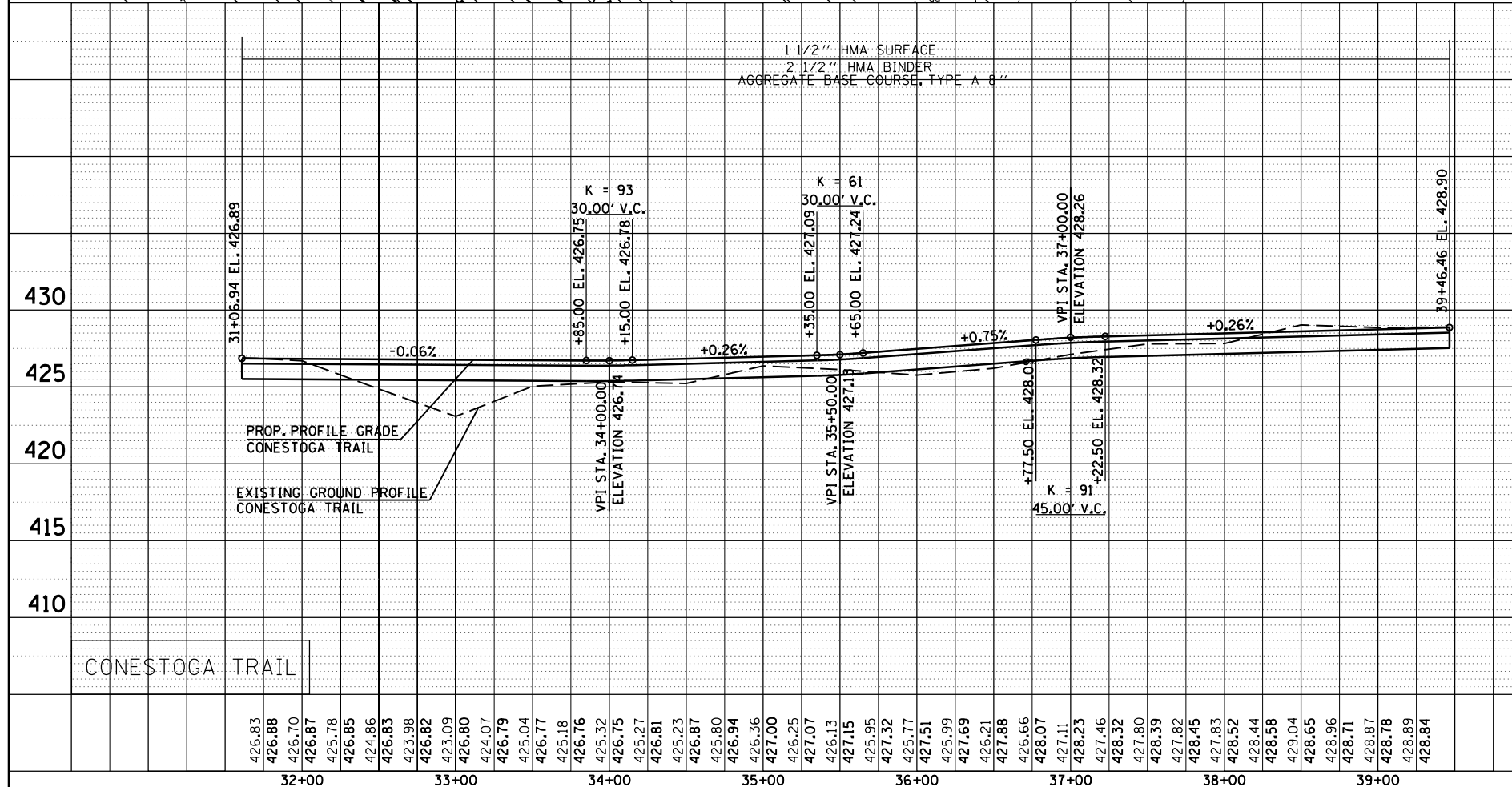
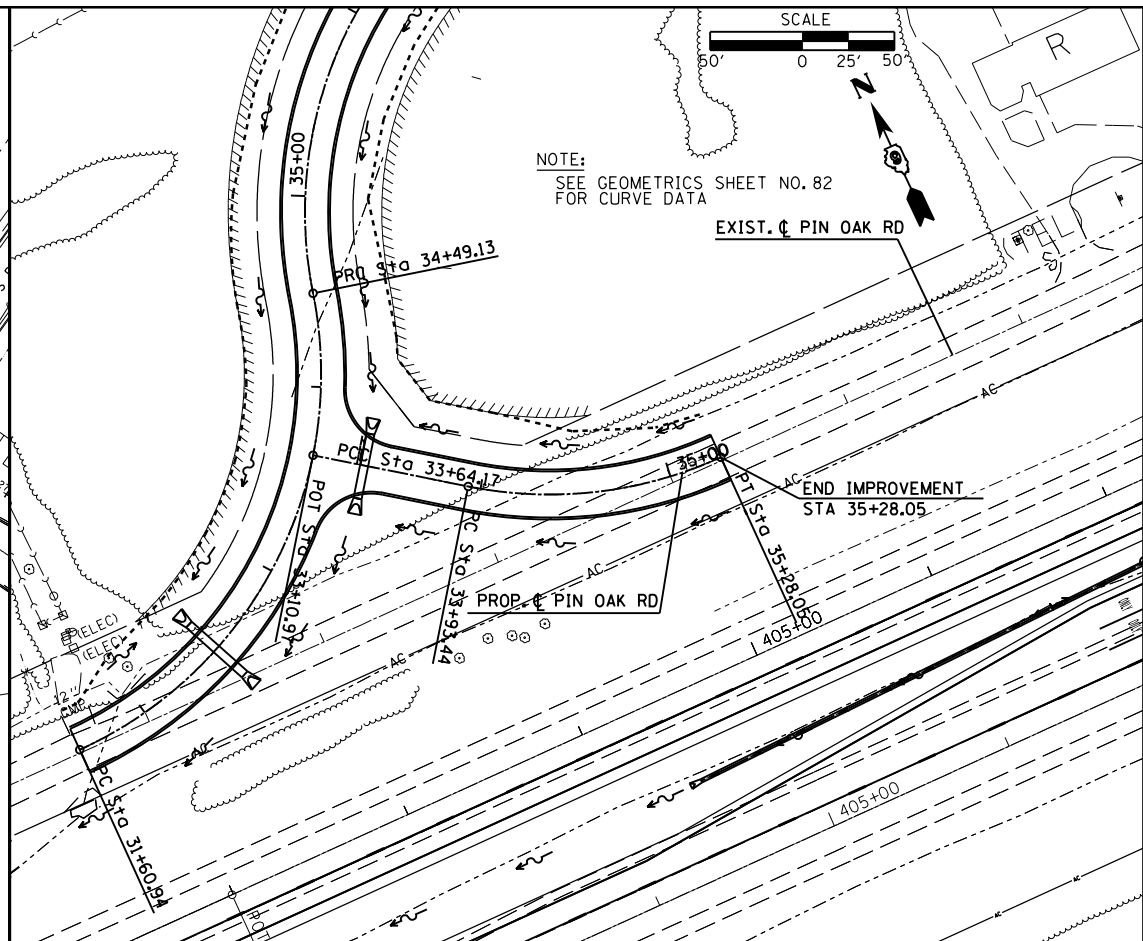
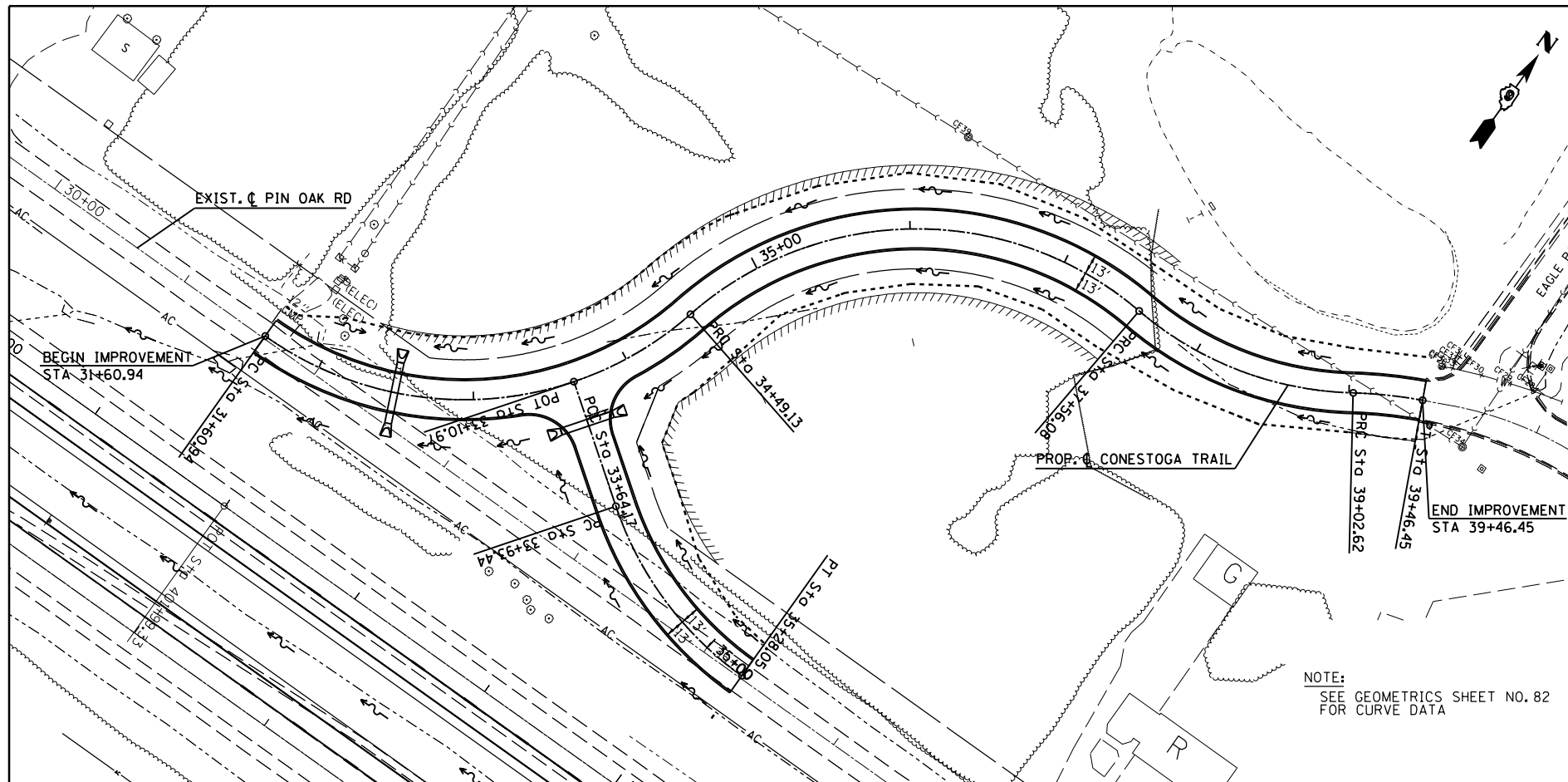
ROADWAY PROFILE SHEET (GREENBRIAR RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	43
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILED		
	NO.		



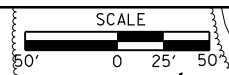
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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PROFILE SHEET (CONESTOGA TRAIL / PIN OAK RD.)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	44
				CONTRACT NO. 78216
ILLINOIS FED. AID PROJECT				

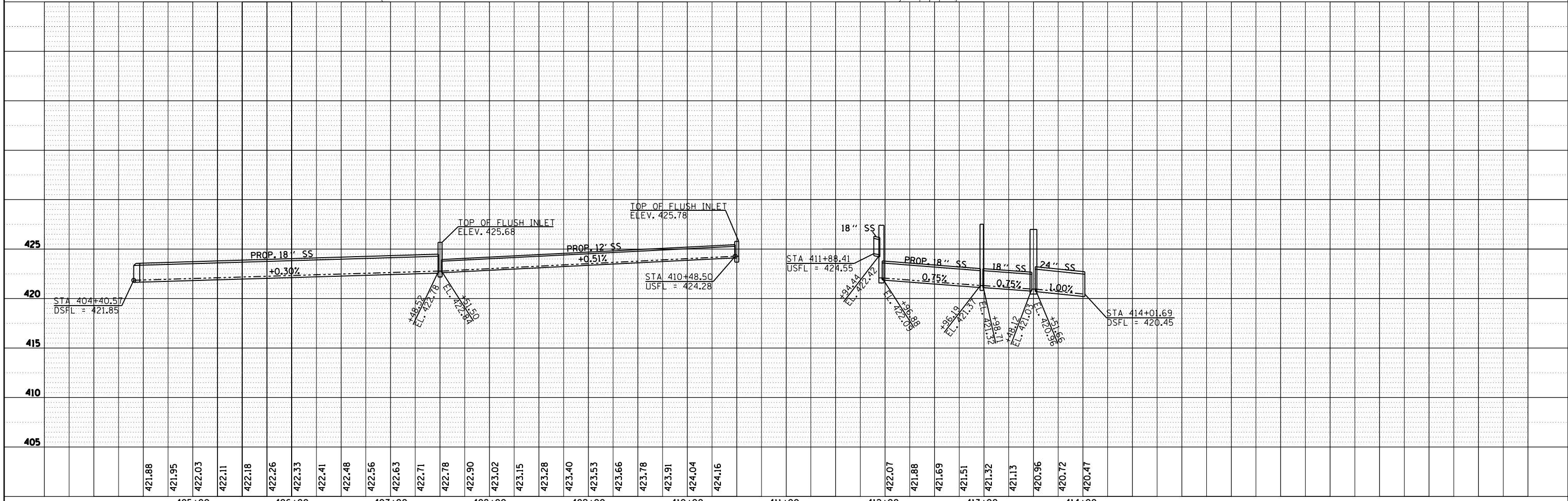
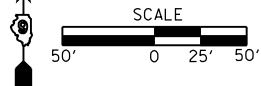
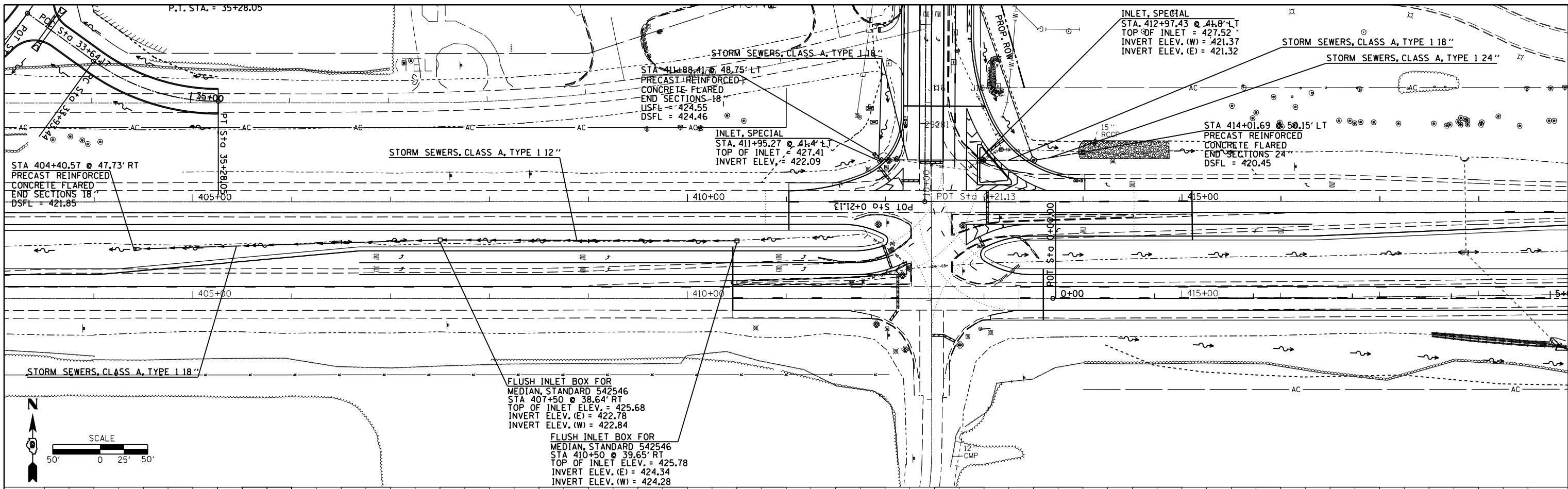


NOTE:
SEE GEOMETRICS SHEET NO. 82
FOR CURVE DATA

NOTE:
SEE GEOMETRICS SHEET NO. 82
FOR CURVE DATA

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

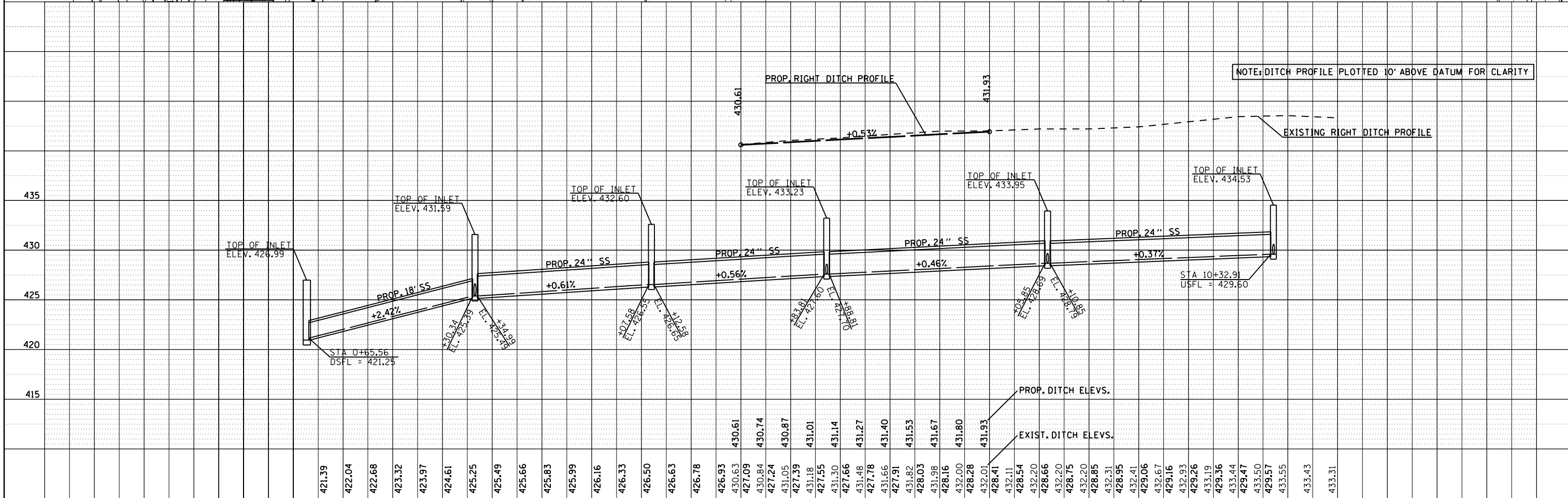
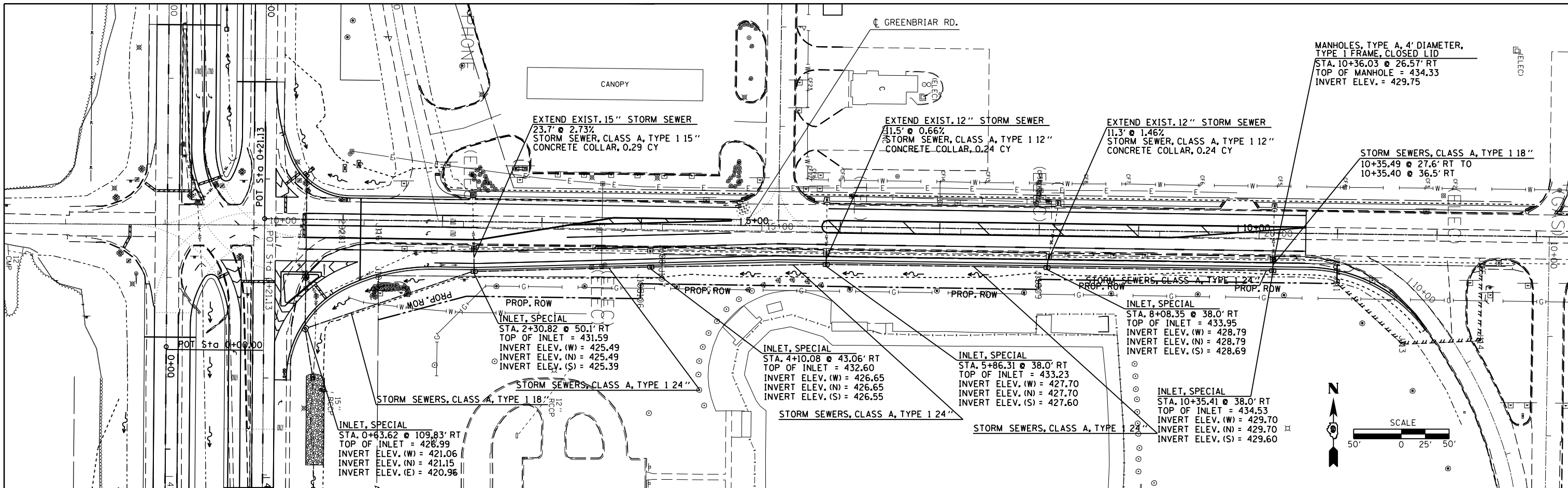
STORM SEWER PROFILE SHEET (IL 13)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	45
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
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	FILE NAME		

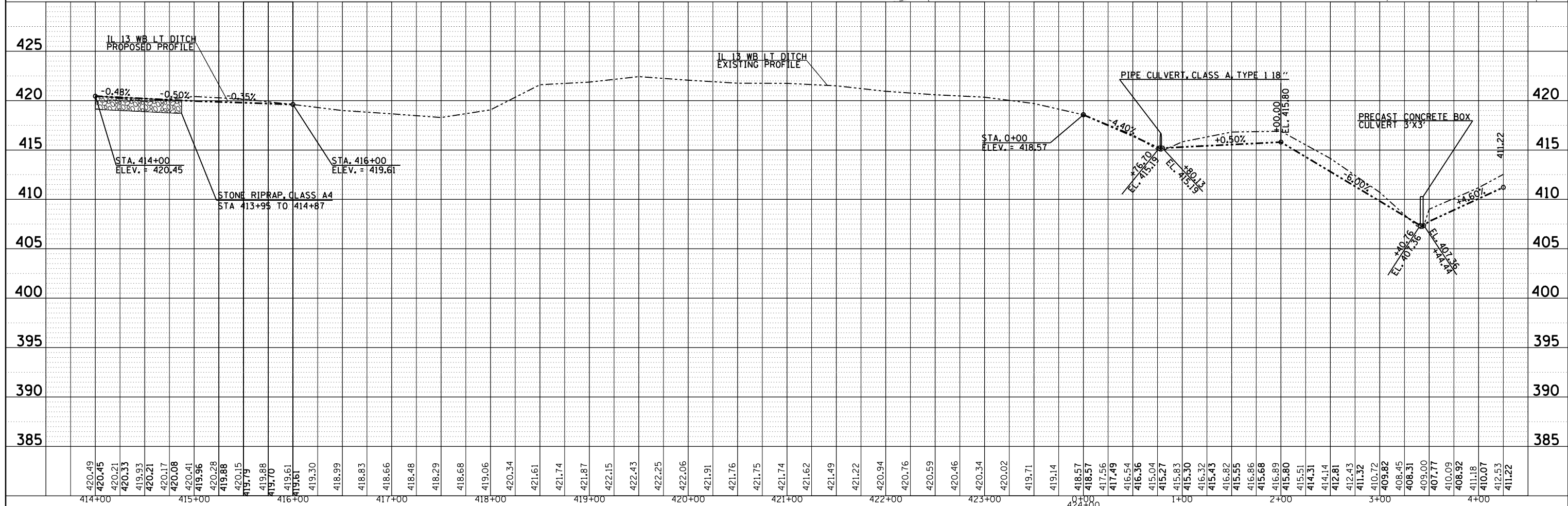
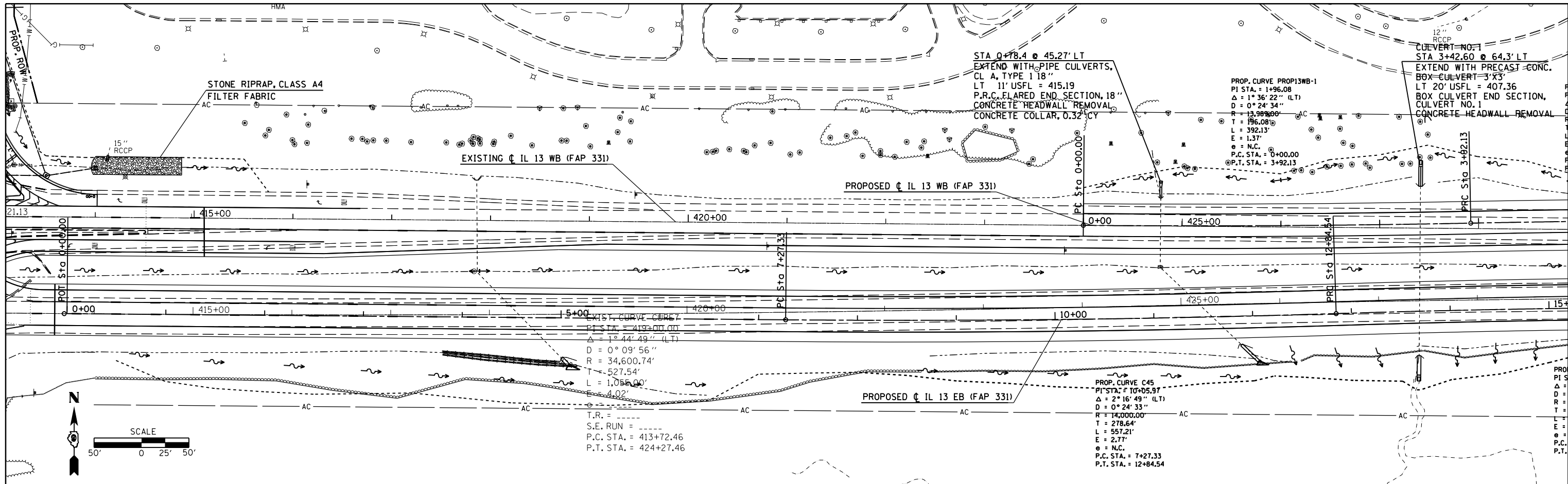
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	PLOTTED		
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	FILE NAME		



FILE NAME =	USER NAME = kellek	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM SEWER PROFILE SHEET (GREENBRIAR RD.)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78216					
	PLOT DATE = 12/15/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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

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



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	PLOT DATE = 12/15/2011	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

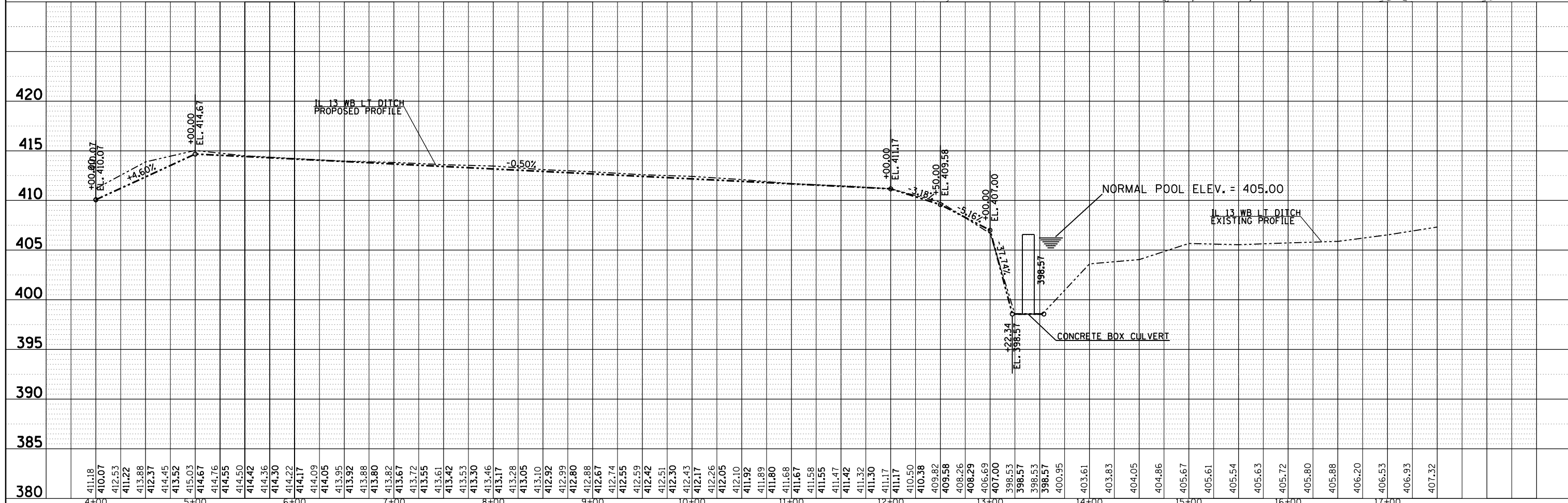
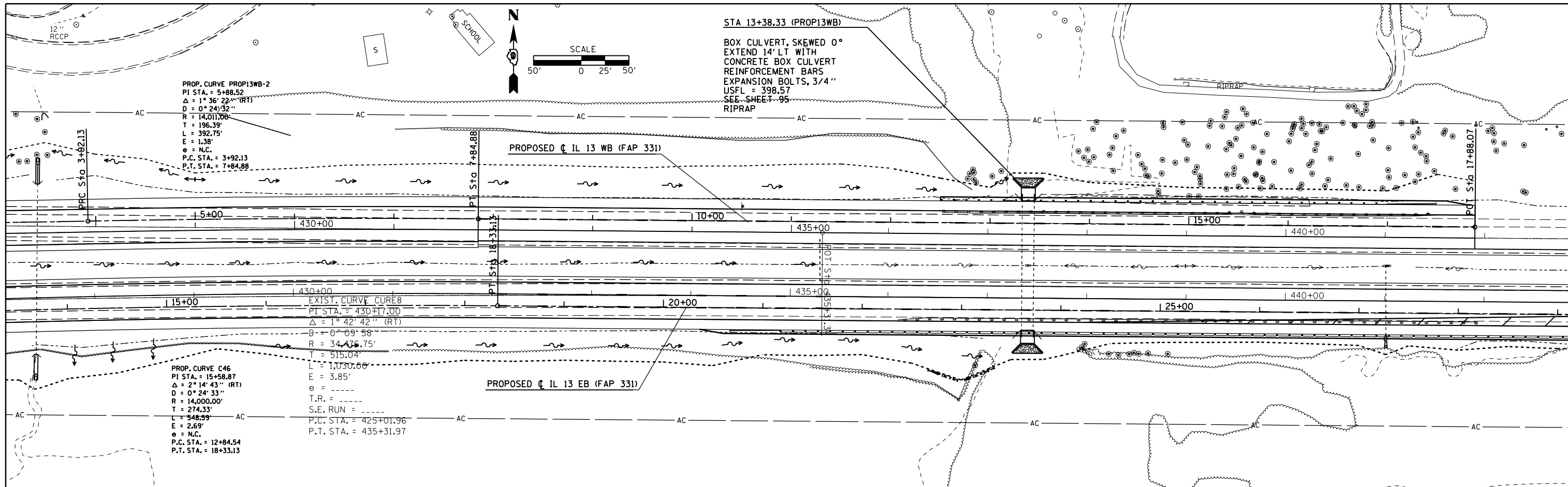
DRAINAGE PROFILE SHEET (IL 13 WB)
LEFT DITCH

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	47
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILE NAME		

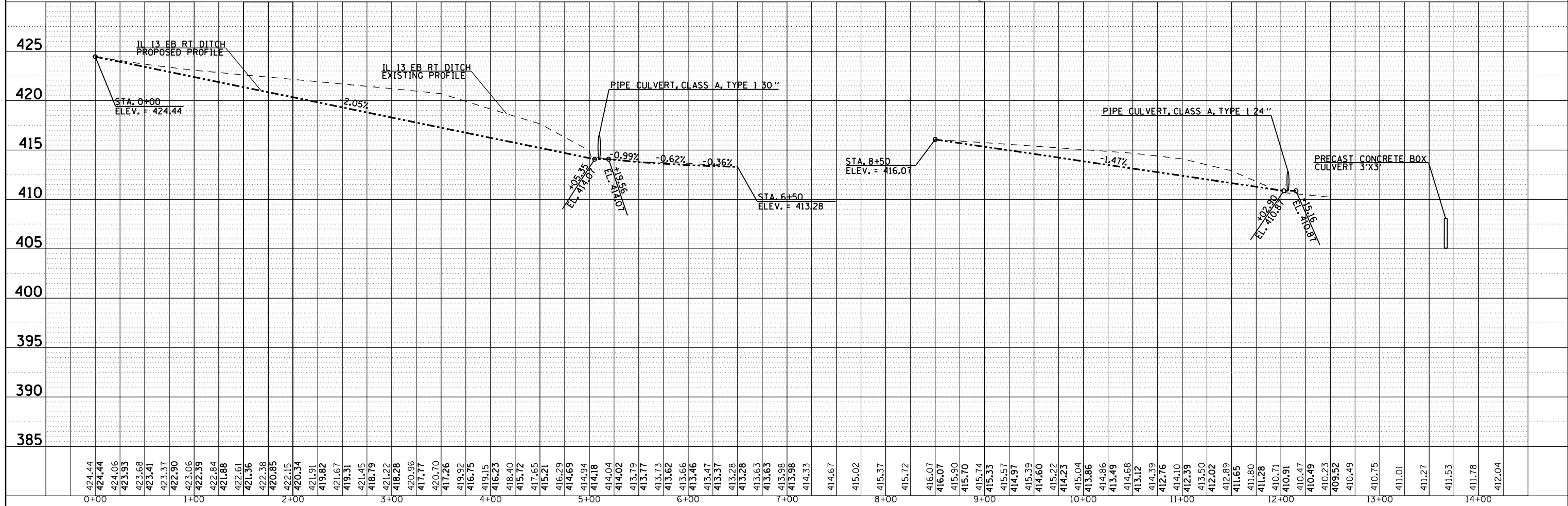
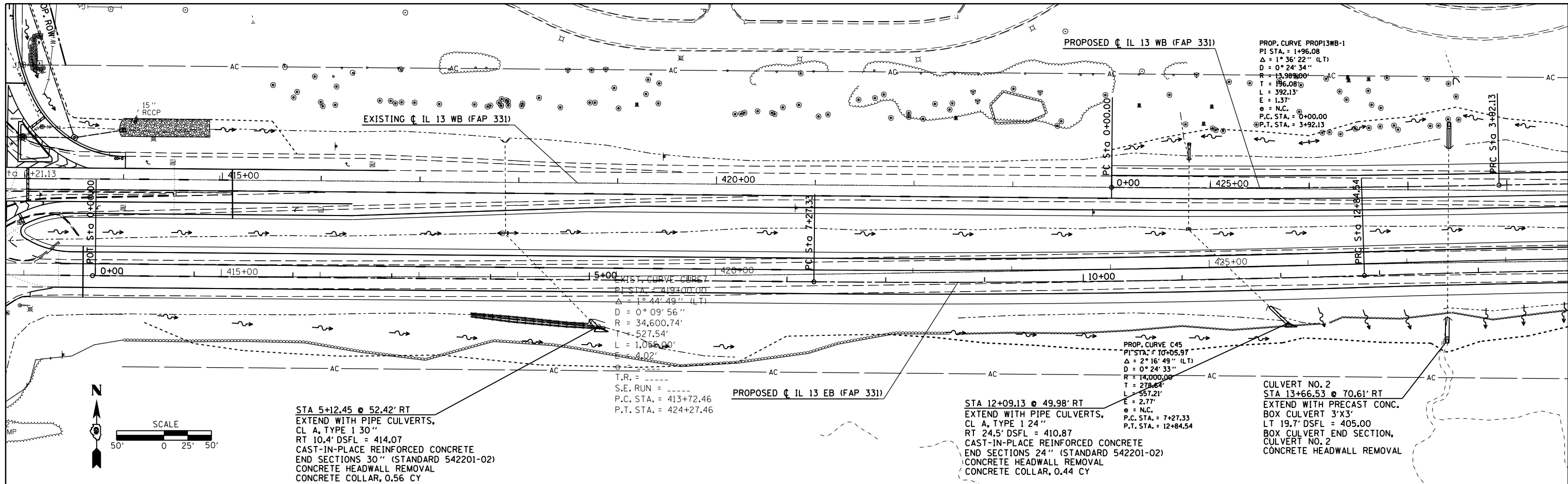
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	PLOTTED		
	CHECKED		
	FILE NAME		



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE SHEET (IL 13 WB) LEFT DITCH				F.A.P. RTE. 331	SECTION (1-4)R-1,N-3,TS-3	COUNTY Williamson	TOTAL SHEETS 220	SHEET NO. 48
c:\pwork\pwork\kellejkd\0205725\78216	sh-plot\p\p.f.dgn	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78216	
		CHECKED -	REVISED -										
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
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	FILE NAME		
	NO.		

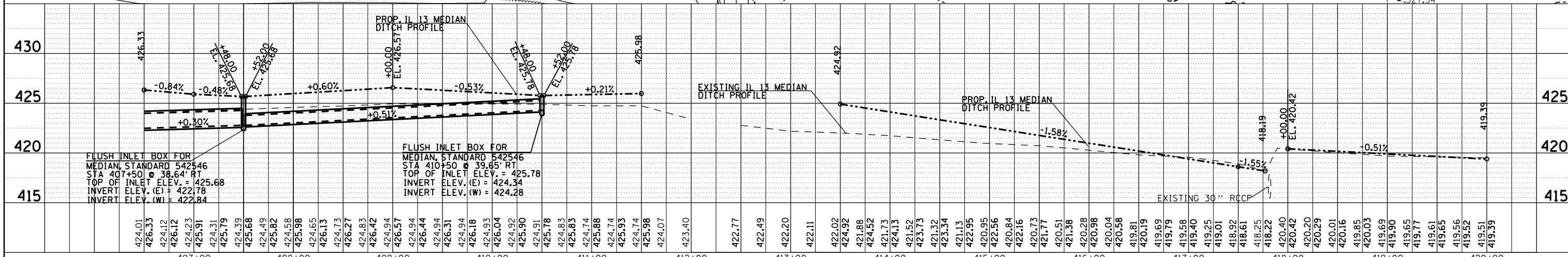
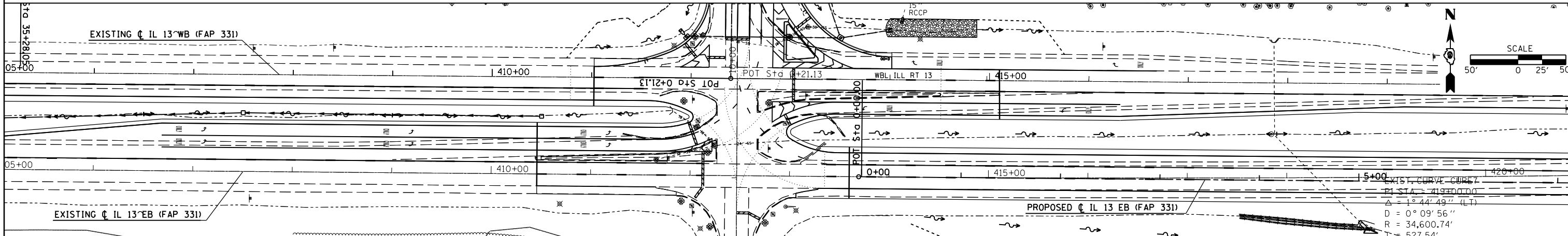
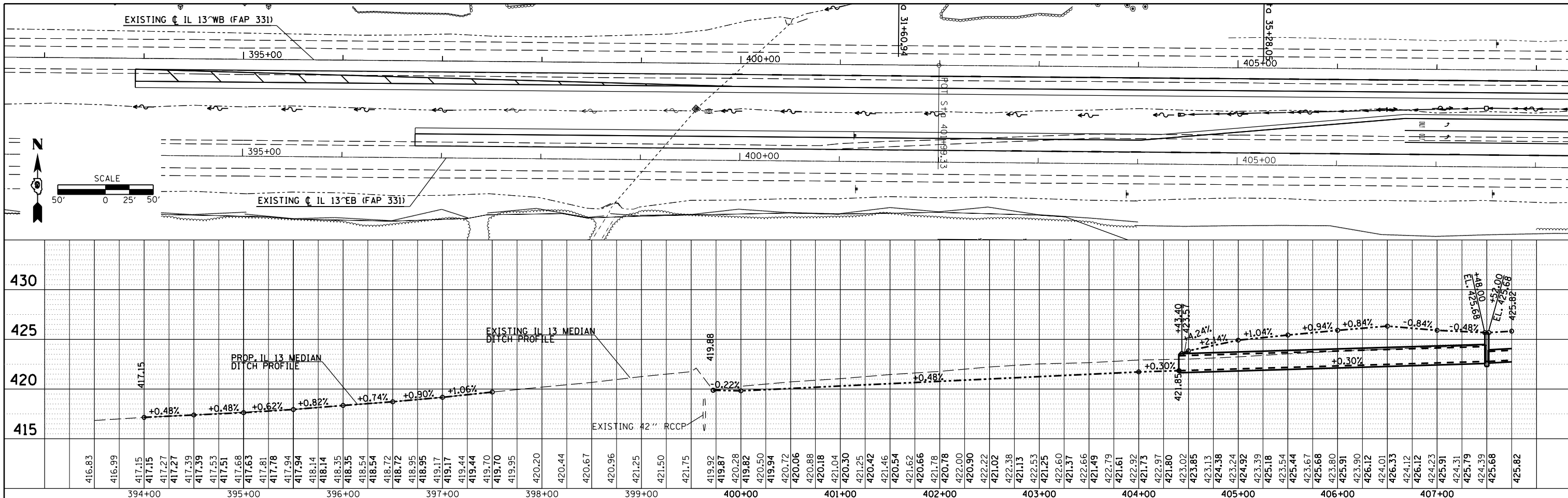
PROFILE	SURVEYED	BY	DATE
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	FILE NAME		
	NO.		



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE SHEET (IL 13 EB) RIGHT DITCH	F.A.P. RT. = 331	SECTION = (1-4)R-1,N-3,TS-3	COUNTY = Williamson	TOTAL SHEETS = 220	SHEET NO. = 49	
c:\pwork\pwork\kellejkd\0205725\78216	sh-t-plnpr.f.dgn	DRAWN -	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 78216		
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 12/15/2011	DATE -	REVISED -								

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

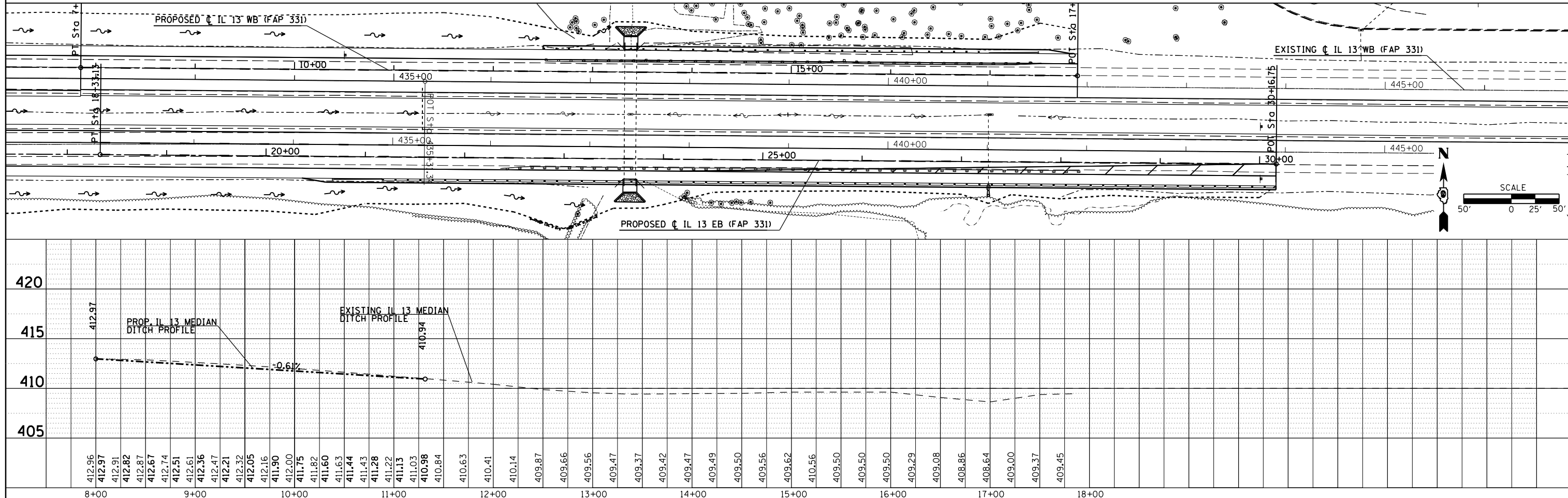
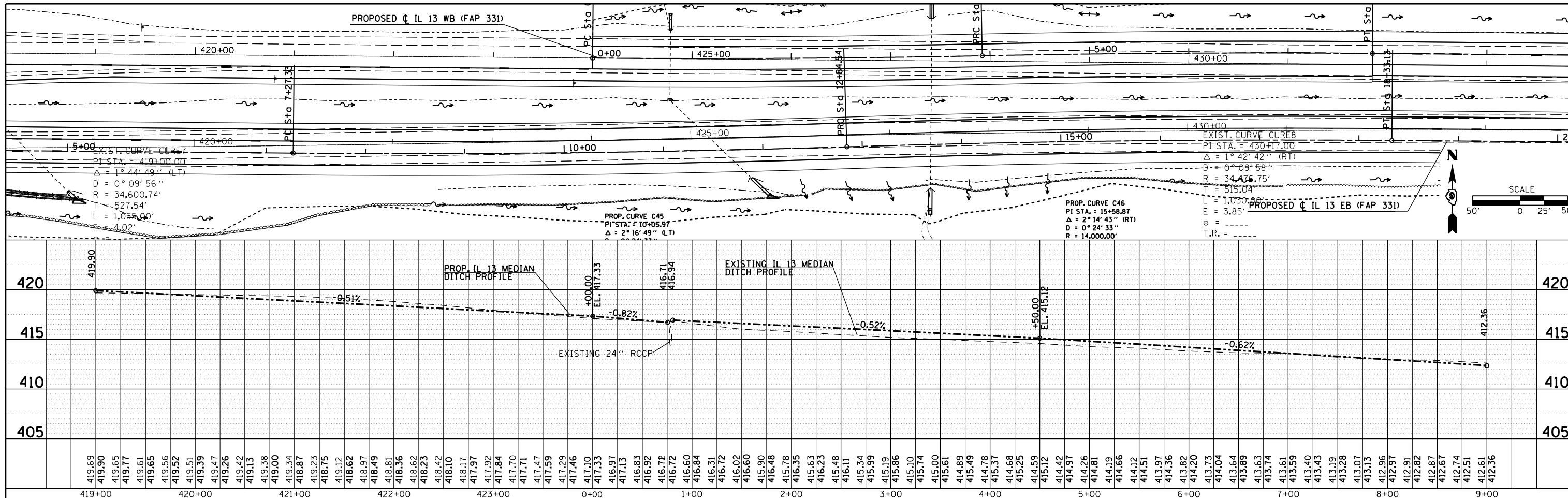
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	PLOTTED	BY
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE SHEET (IL 13) MEDIAN DITCH	F.A.P. RT. = 331	SECTION = (1-4R-1,N-3,TS-3)	COUNTY = Williamson	TOTAL SHEETS = 220	SHEET NO. = 51		
c:\pwork\pwork\kellejkd\0205725\78216	shp-plnpr.f.dgn	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 78216			
		PLOT SCALE = 100.0000' / in.	REVISED -			ILLINOIS FED. AID PROJECT						
		PLOT DATE = 12/15/2011	REVISED -									

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

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. _____
	NOTE BOOK
	NO. _____
	STRUCTURE NOTATIONS CHECKED
	NO. _____



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

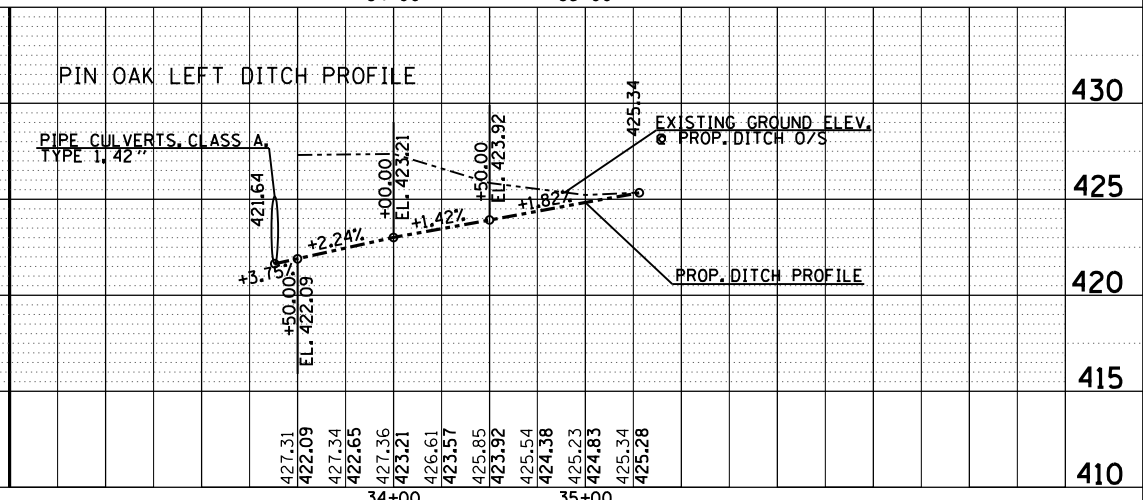
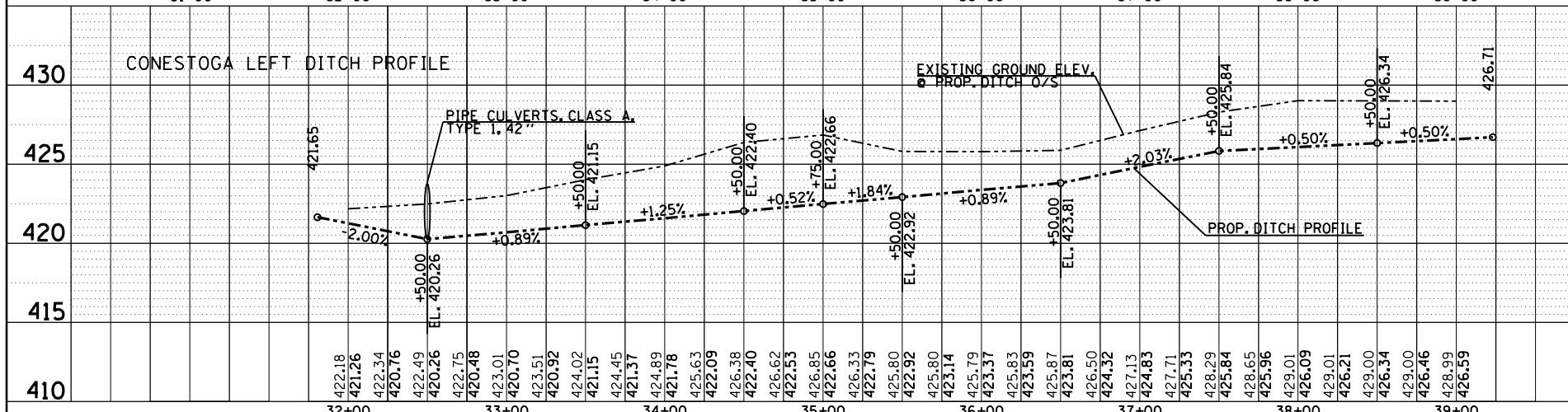
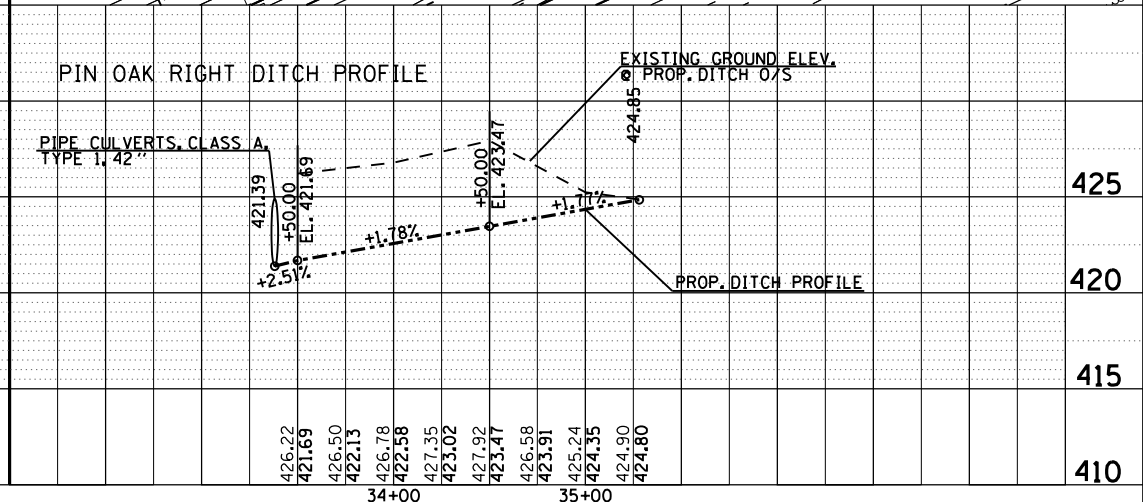
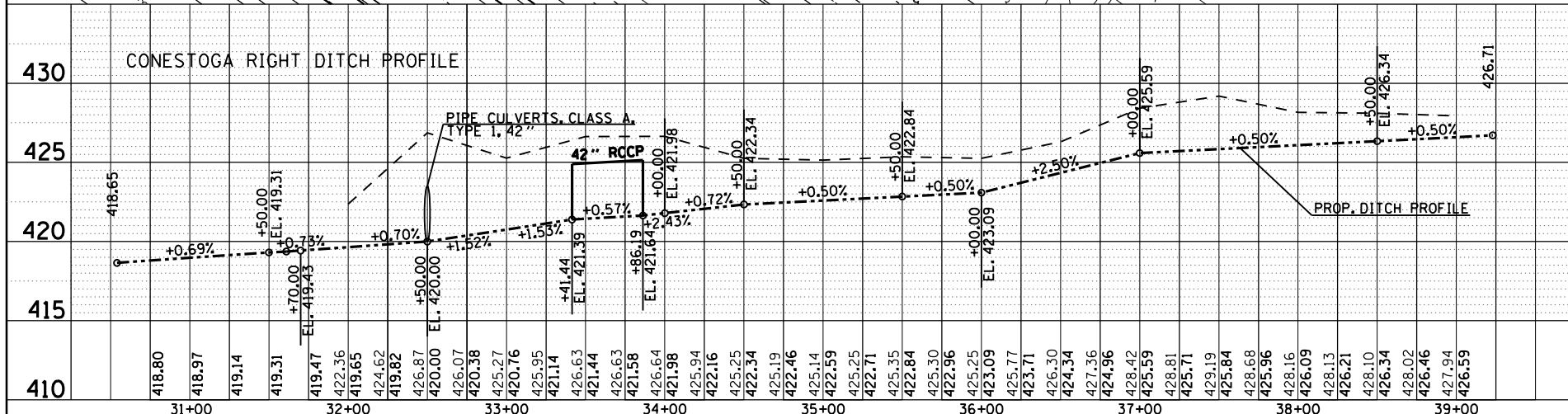
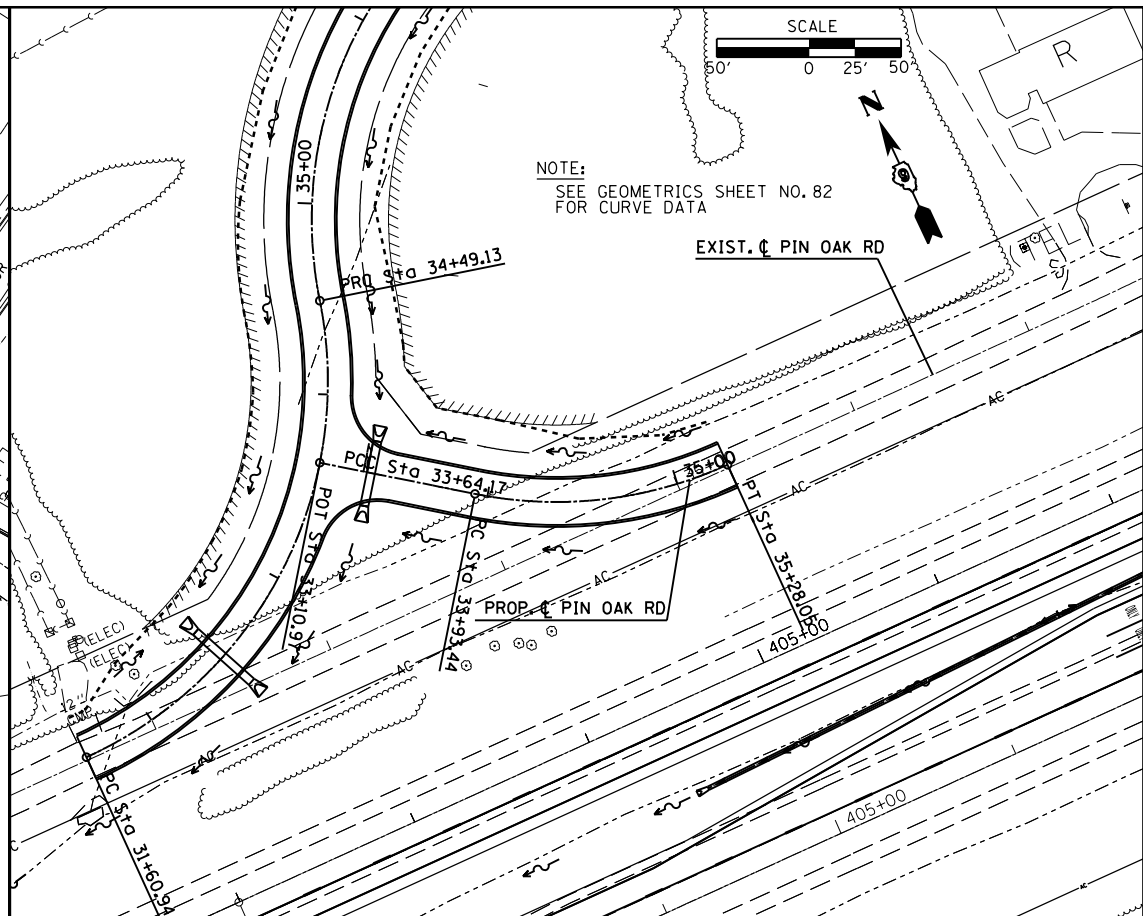
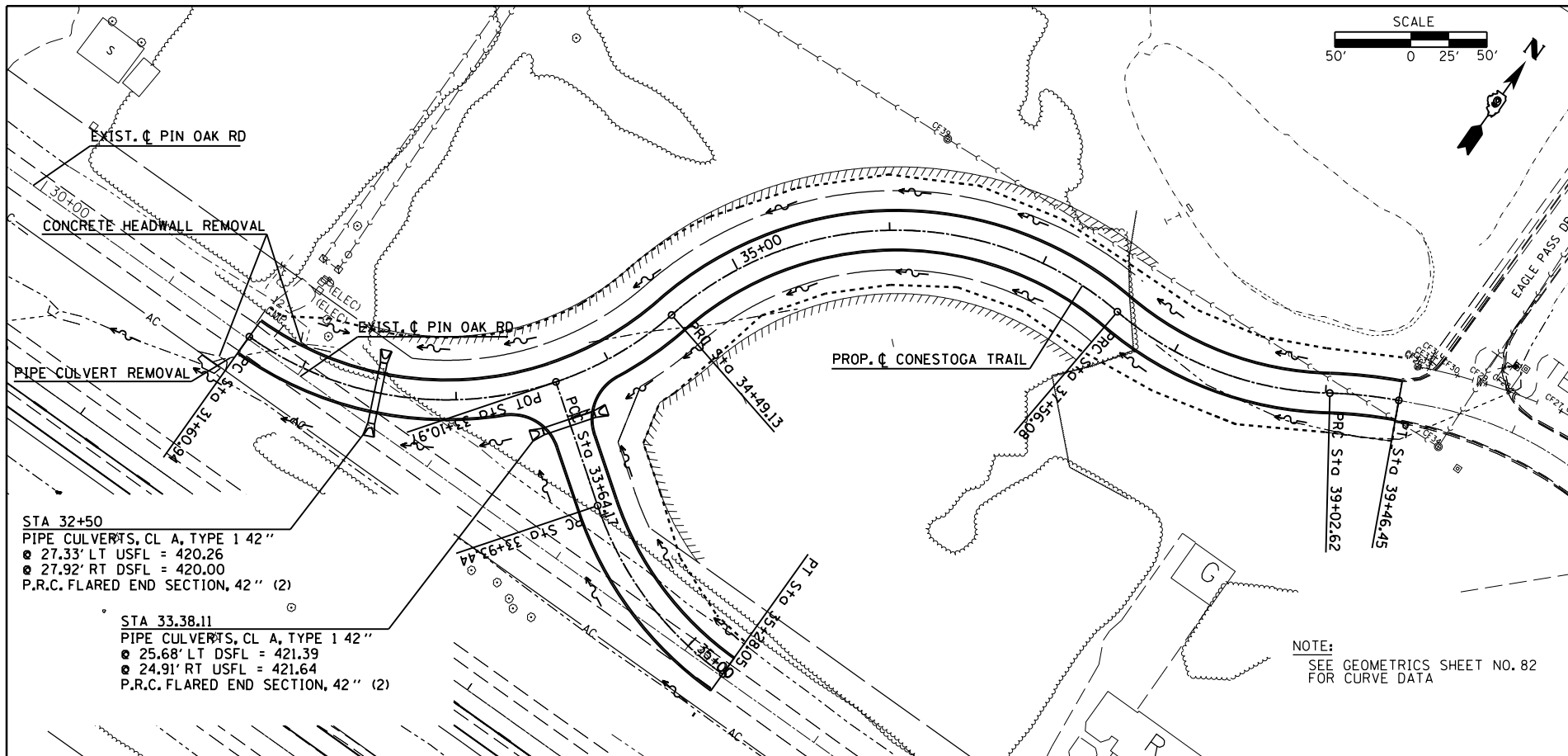
**DRAINAGE PROFILE SHEET (IL 13)
MEDIAN DITCH**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4R-1,N-3,TS-3	Williamson	220	52
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

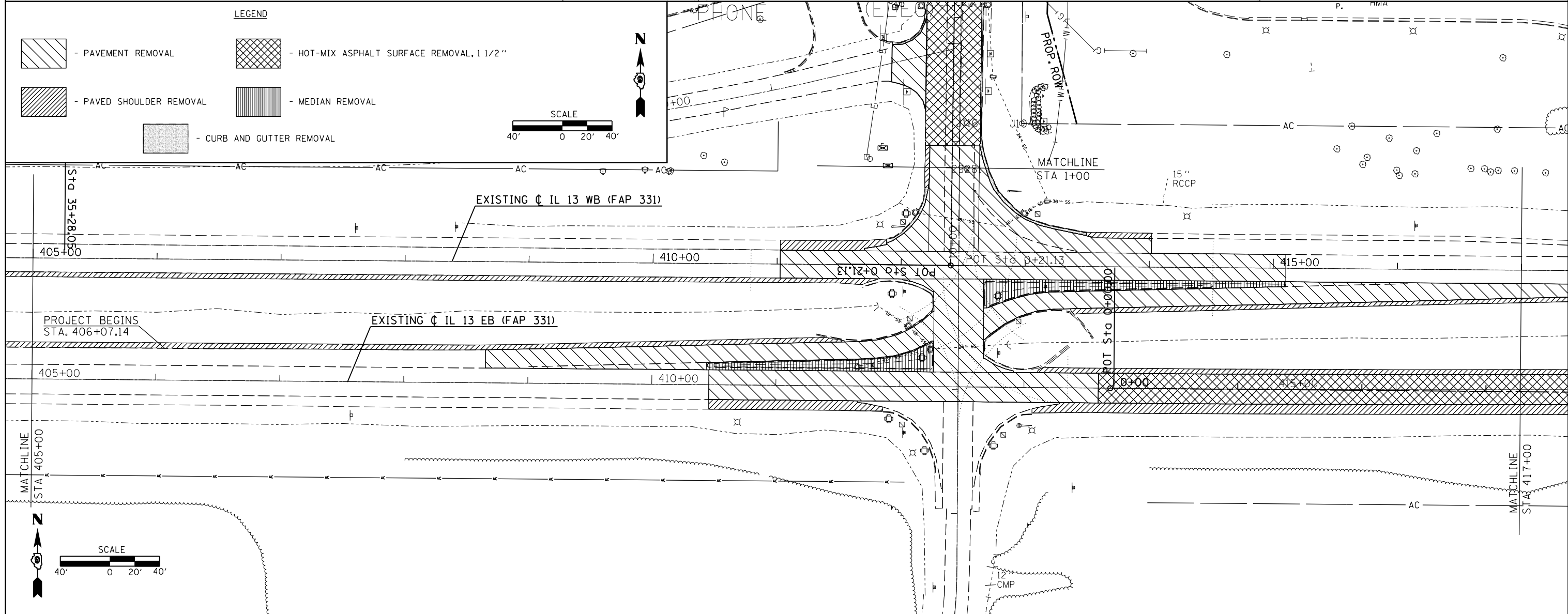
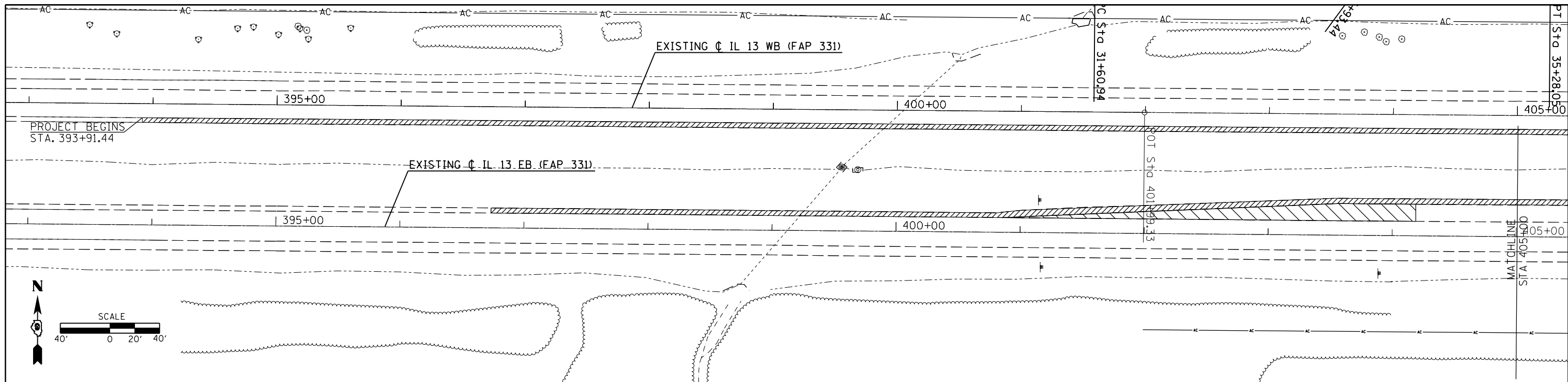
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE NOTATIONS OK'D		
	NO.		



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	PLOT DATE = 12/15/2011	CHECKED -	REVISOR -			ILLINOIS FED. AID PROJECT				

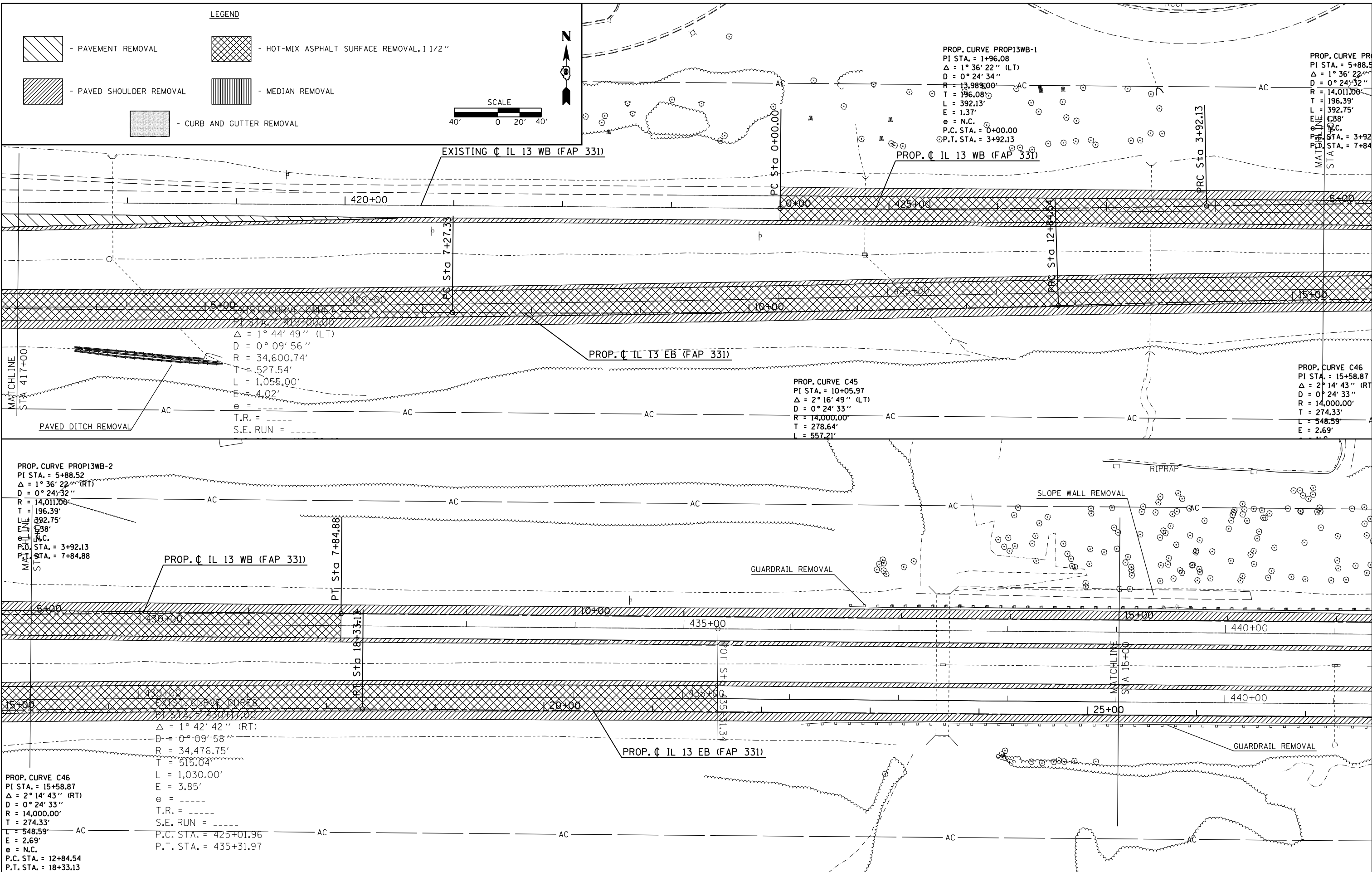


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PLOT DATE = 12/15/2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	54
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	



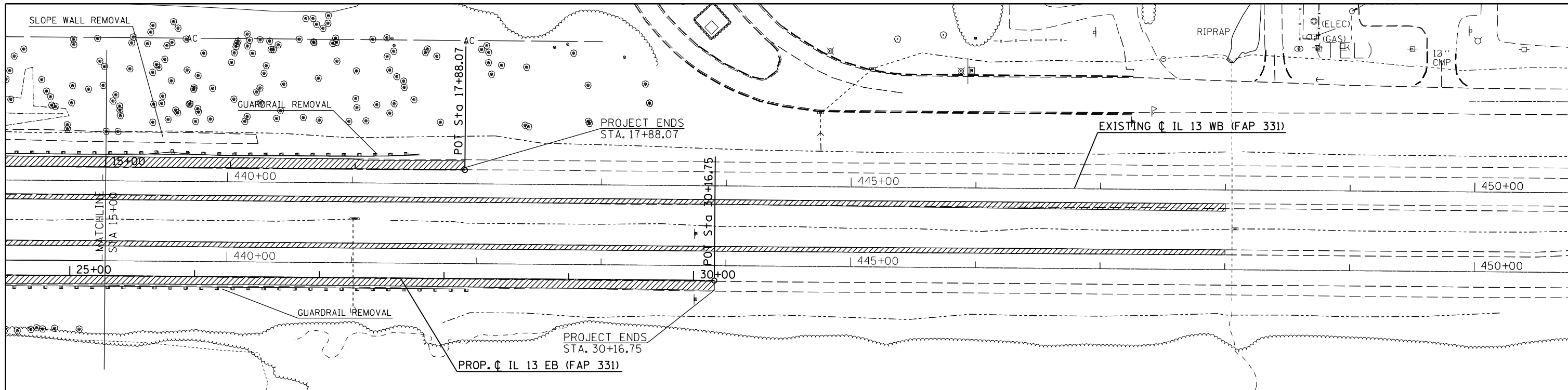
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PLOT DATE = 12/15/2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEET

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

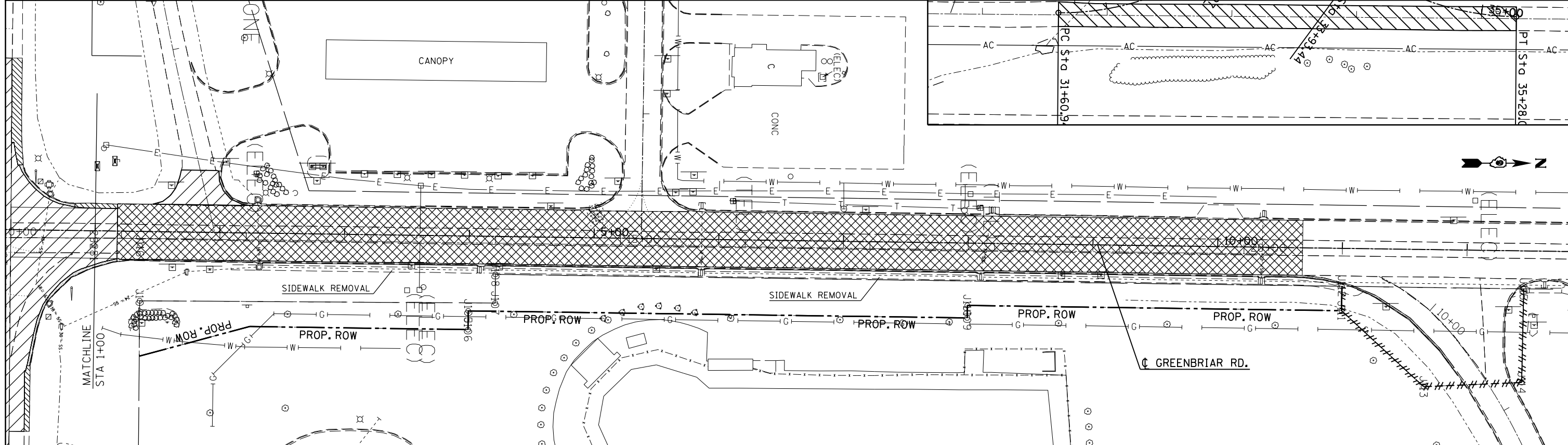


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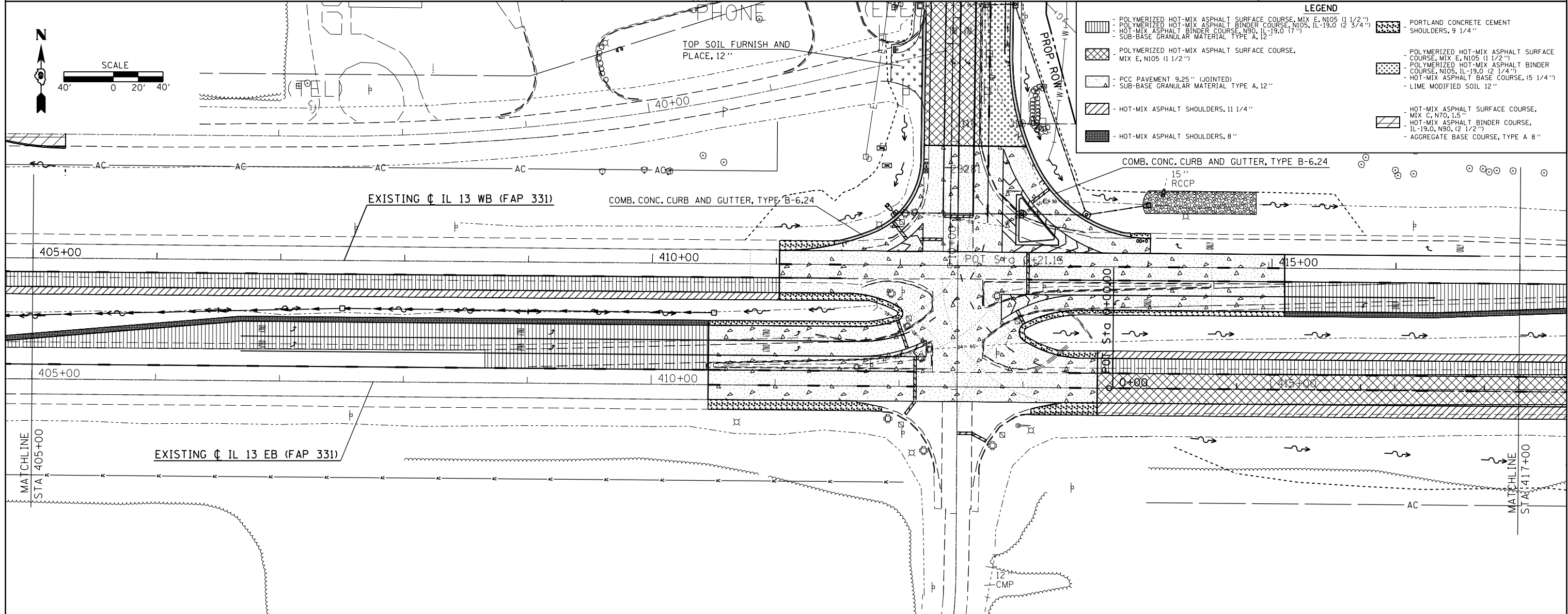
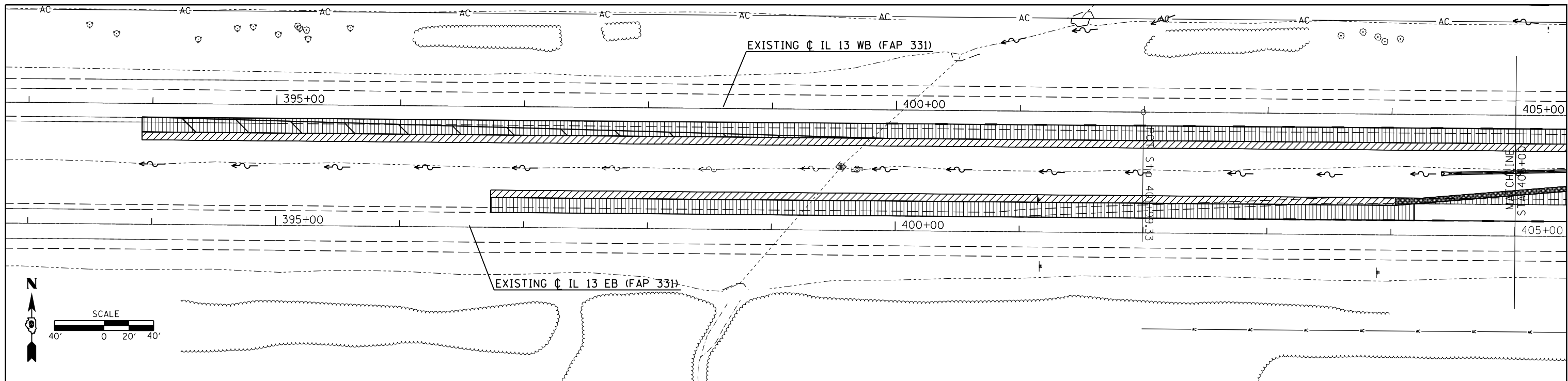
	- PAVEMENT REMOVAL		- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
	- PAVED SHOULDER REMOVAL		- MEDIAN REMOVAL
	- CURB AND GUTTER REMOVAL		

SCALE: 40' 0 20' 40'

N



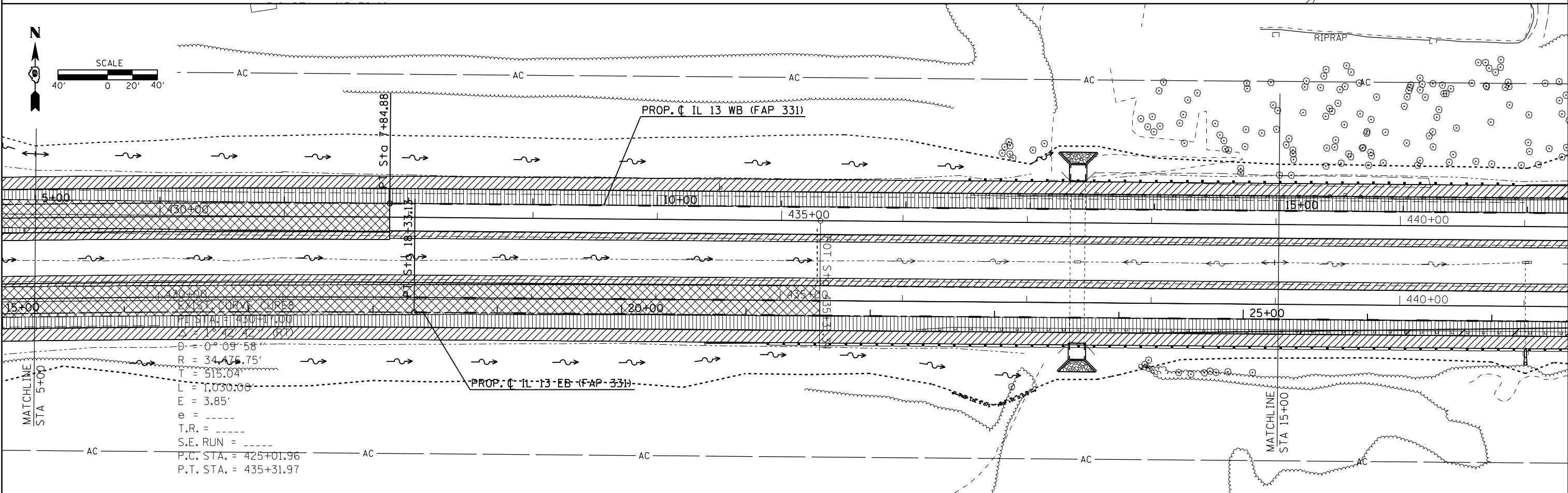
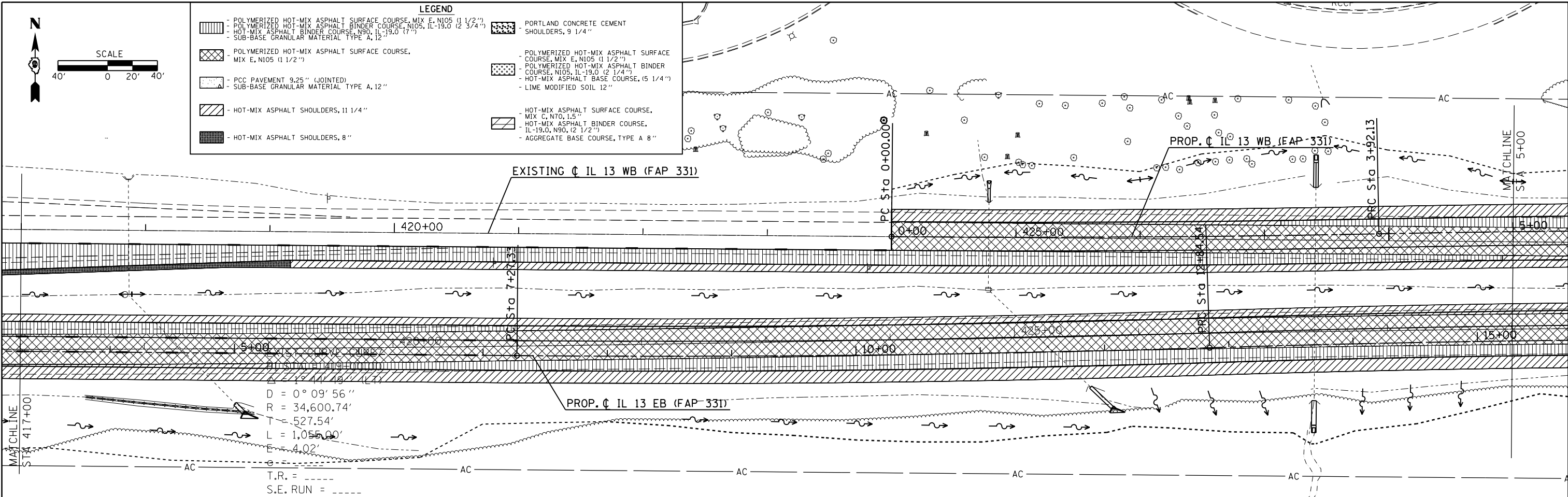
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PLOT SCALE = 80.0000' / in.		CHECKED -	REVISED -										
PLOT DATE = 12/15/2011		DATE -	REVISED -										
											CONTRACT NO. 78216		
											ILLINOIS FED. AID PROJECT		



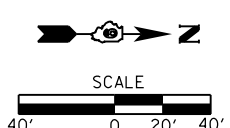
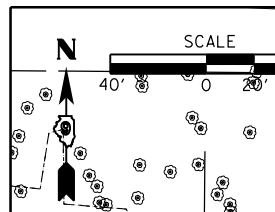
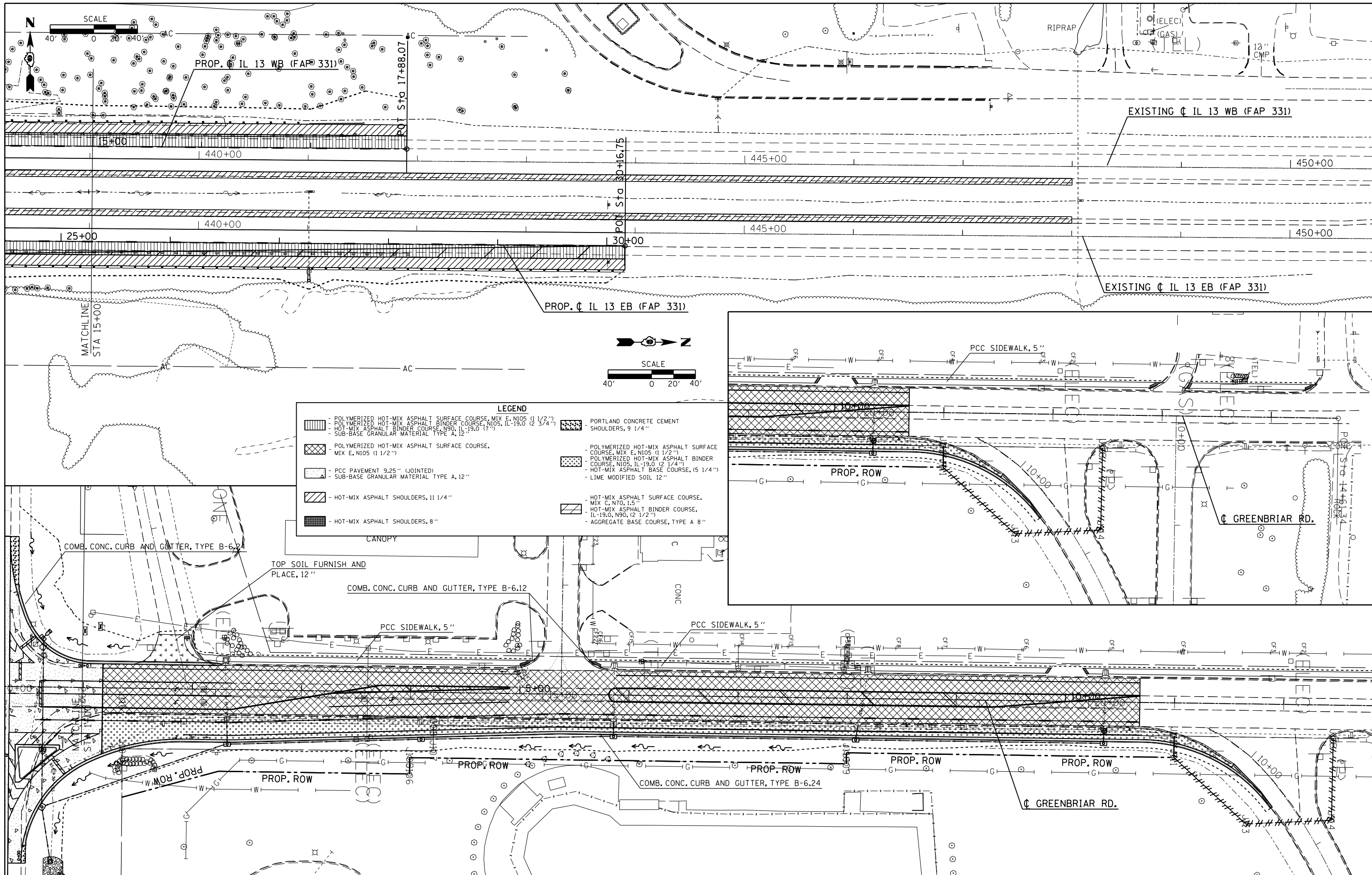
LEGEND

	- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105 (1 1/2")		- PORTLAND CONCRETE CEMENT SHOULDERS, 9 1/4"
	- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0 (2 3/4")		- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105 (1 1/2")
	- HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 (7")		- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0 (2 1/4")
	- SUB-BASE GRANULAR MATERIAL TYPE A, 12"		- HOT-MIX ASPHALT BASE COURSE, (5 1/4")
	- PCC PAVEMENT 9.25" (JOINTED)		- LIME MODIFIED SOIL 12"
	- SUB-BASE GRANULAR MATERIAL TYPE A, 12"		- HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 1.5"
	- HOT-MIX ASPHALT SHOULDERS, 11 1/4"		- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, (2 1/2")
	- HOT-MIX ASPHALT SHOULDERS, 8"		- AGGREGATE BASE COURSE, TYPE A 8"

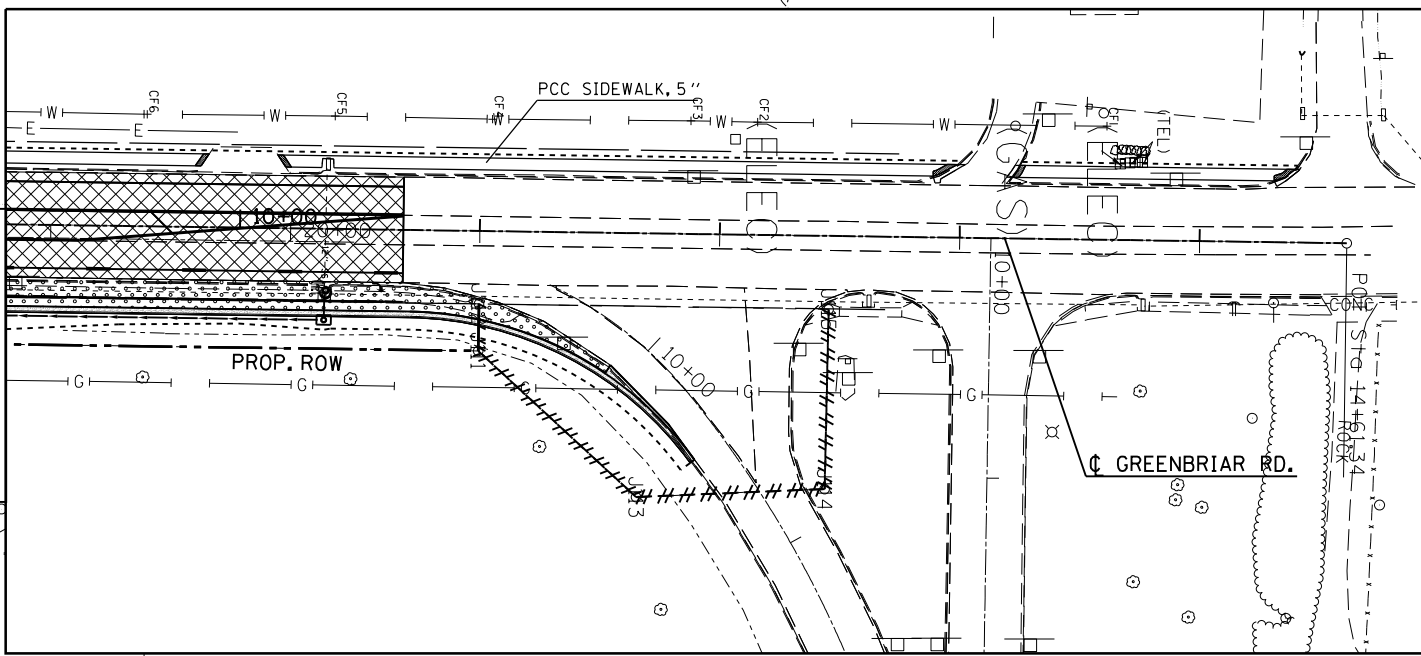
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	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78216							
	PLOT DATE = 12/15/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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PLOT SCALE = 80.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 78216				
PLOT DATE = 12/15/2011		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



LEGEND



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

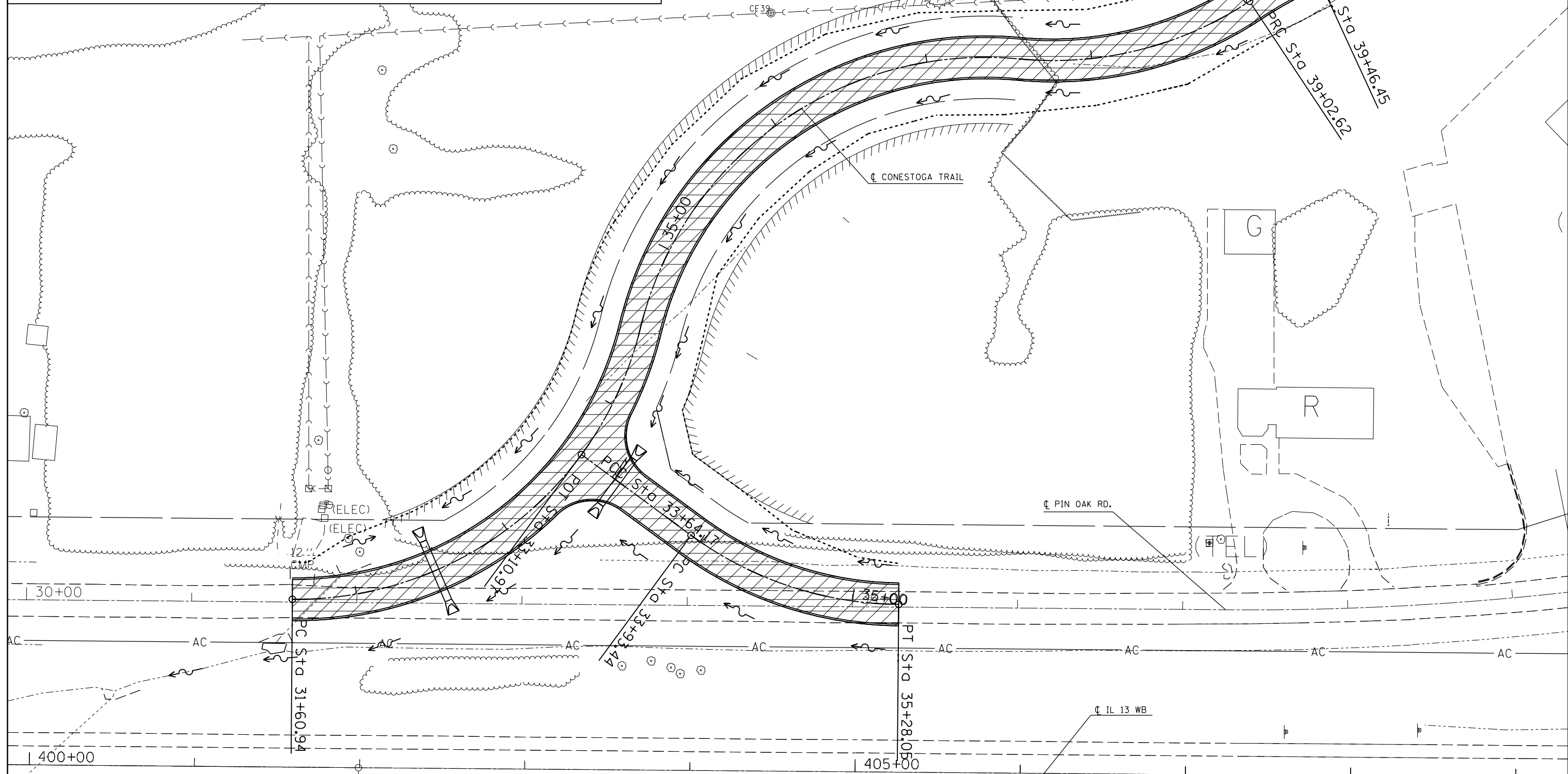
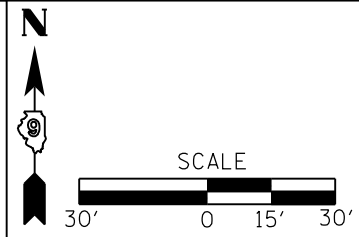
CONSTRUCTION SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	59
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

LEGEND

- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105 (1 1/2")
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0 (2 3/4")
- HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 (7")
- SUB-BASE GRANULAR MATERIAL TYPE A, 12"
- PORTLAND CONCRETE CEMENT SHOULDERS, 9 1/4"
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105 (1 1/2")
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0 (2 1/4")
- HOT-MIX ASPHALT BASE COURSE, (5 1/4")
- LIME MODIFIED SOIL 12"
- PCC PAVEMENT 9.25" (JOINTED)
- SUB-BASE GRANULAR MATERIAL TYPE A, 12"
- HOT-MIX ASPHALT SHOULDERS, 11 1/4"
- HOT-MIX ASPHALT SHOULDERS, 8"
- HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 1.5"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, (2 1/2")
- AGGREGATE BASE COURSE, TYPE A 8"



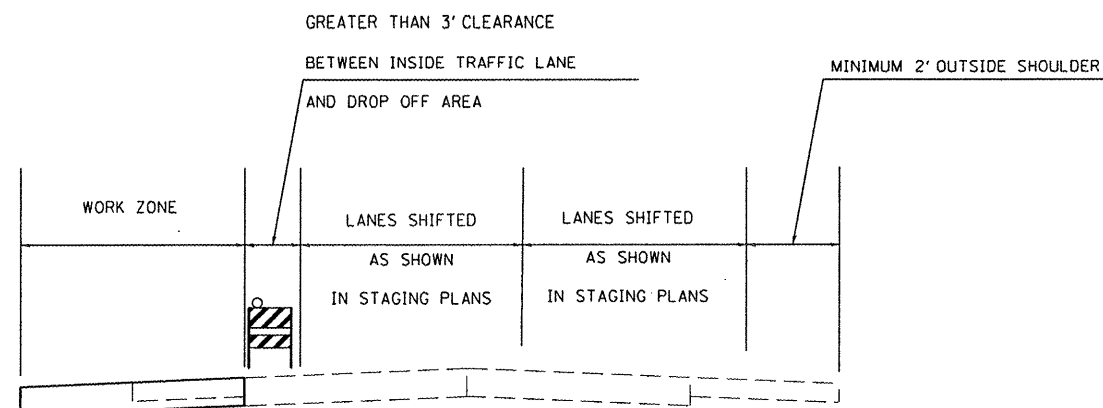
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	PLOT DATE = 12/15/2011	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

STAGING GENERAL NOTES:

1. ALL TRAFFIC CONTROL FOR WORK SHOWN IN STAGING PLAN SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL.
2. CONSTRUCTION OF BOX CULVERT EXTENSION NEAR STATION 437+00 SHALL BE COMPLETED PRIOR TO BEGINNING OF STAGE 1 (SOUTH SIDE) AND STAGE 4 (NORTH SIDE).
3. THE NUMBER OF FLAGGERS FOR EACH STAGE SHALL BE AS SHOWN IN THE APPLICABLE HIGHWAY STANDARDS. ADDITIONAL FLAGGERS SHALL BE PAID FOR ACCORDING TO SECTION 109.04.
4. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY ARE DIRECTED BY THE ENGINEER.
5. TRAFFIC SIGNALS MUST BE OPERATIONAL DURING ALL STAGES OF CONSTRUCTION.
6. CONFLICTING PAVEMENT MARKING SHALL BE COVERED WITH TYPE III TEMPORARY TAPE, BLACK.
7. ANY ELEVATION CHANGE WITHIN THE PCC INTERSECTION DURING STAGING IN THE DIRECTION OF TRAVEL GREATER THAN 1" WILL REQUIRE A TEMPORARY RAMP BUILT TO AT LEAST A 40:1 SLOPE. PLACEMENT OF AND REMOVAL OF THE TEMPORARY RAMPS WILL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, SPECIAL."
8. ANY OVER EXCAVATION REQUIRED FOR PLACING OF CONCRETE FORMS SHALL CONFORM TO THE OFFSET REQUIREMENTS IN THE STAGING PLAN AND THE DROP-OFF PROTECTION CHART. LOCATIONS LEFT AFTER THE PULLING OF THE FORMS THAT WILL HAVE TRAFFIC PLACED ON OR NEAR SHALL BE BACKFILLED AND CAPPED WITH 2" OF HMA MATERIAL. THE BACKFILL MATERIAL AND HMA WILL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, SPECIAL."
9. SEE SPECIAL PROVISIONS FOR LANE RENTALS, INTERSECTION RENTALS, CLOSURE DURATIONS, ALLOTMENTS AND DETAILS.
10. WHEN PAVEMENT DROP-OFF IS TO REMAIN ADJACENT TO A LIVE TRAFFIC LANE BARRICADES WITH PIPE EXTENSIONS SHALL BE USED TO ACHIEVE THE CORRECT ELEVATION. REFER TO DROP OFF PROTECTION CHART.
11. ADD "NO LEFT TURN" SIGN WHEN LEFT TURN BAYS ARE CLOSED ON ILLINOIS 13 AND GREENBRIAR ROAD.

NORTH GREENBRIAR STAGING:

1. CONSTRUCTION OF NORTH GREENBRIAR ROAD NORTH OF STATION 11+20 CAN BE COMPLETED INDEPENDENTLY OF WORK ON ILLINOIS 13. THE CONTRACTOR SHOULD STRIVE TO STAGE GREENBRIAR WORK IN A MANNER THAT WILL COORDINATE WITH IL 13 CLOSURES.
2. ONE NORTHBOUND AND ONE SOUTHBOUND LANE MUST BE KEPT OPEN AT ALL TIMES FLAGGERS ARE NOT PRESENT.
3. TRAFFIC CONTROL SHALL BE SET UP ACCORDING TO STANDARDS 701502, 701701 OR BLR 21-8 AND PAID FOR AS "TRAFFIC CONTROL AND PROTECTION, SPECIAL."



**DROP-OFF PROTECTION BETWEEN TRAVEL LANE AND SHOULDER / EDGE OF PAVEMENT
FIG 55.2B FROM CHAPTER 55 (BDE MANUAL, 2010)**

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	TREATMENT REQUIRED
≤ 3 FT ⁽¹⁾⁽²⁾	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
		≥ 45 MPH	3 IN < X ≤ 12 IN
	< 45 MPH	18 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
		FOR < 0.5 MILE OR < 48 HOURS ⁽⁴⁾	
	≥ 45 MPH	12 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
		FOR < 0.5 MILE OR < 48 HOURS	
	≥ 45 MPH	12 IN < X ≤ 24 IN	CLOSURE USING TEMPORARY TRAFFIC BARRIER
		FOR > 0.5 MILE OR > 48 HOURS	
< 45 MPH	18 IN < X ≤ 24 IN ⁽⁵⁾	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
	18 IN < X ≤ 24 IN FOR < 0.5 MILES OR < 48 HOURS ⁽⁵⁾		
ALL	> 24 IN ⁽⁵⁾	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
3 FT < X ≤ 8 FT ⁽¹⁾	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 24 IN ⁽⁴⁾	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
		≥ 45 MPH	3 IN < X ≤ 24 IN
ALL	24 IN ⁽⁵⁾	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
> 8 FOOT TO THE WORK ZONE CLEAR ZONE ⁽³⁾	< 45 MPH	12 IN < X ≤ 24 IN ⁽⁴⁾	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
		≥ 45 MPH	12 IN < X ≤ 24 IN
	ALL	> 24 IN ⁽⁵⁾	CLOSURE USING TEMPORARY TRAFFIC BARRIER

NOTES:

- (1) PLACE CHANNELIZING DEVICES AND/OR TEMPORARY BARRIER AT THE SAME LEVEL AS THE TRAVELING LANE OR SHOULDER PROFILE
- (2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS PER HIGHWAY STANDARD 701901.
- (3) PLACE CHANNELIZING DEVICES OR TEMPORARY BARRIER AT SAME LEVEL AS THE SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- (4) LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN ENGINEERING JUDGEMENT INDICATES SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER.
- (5) TEMPORARY TRAFFIC BARRIER MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 24 HOURS FOR MULTILANE, AND MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 96 HOURS PER STAGE FOR TWO LANES, BASED ON ENGINEERING JUDGEMENT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

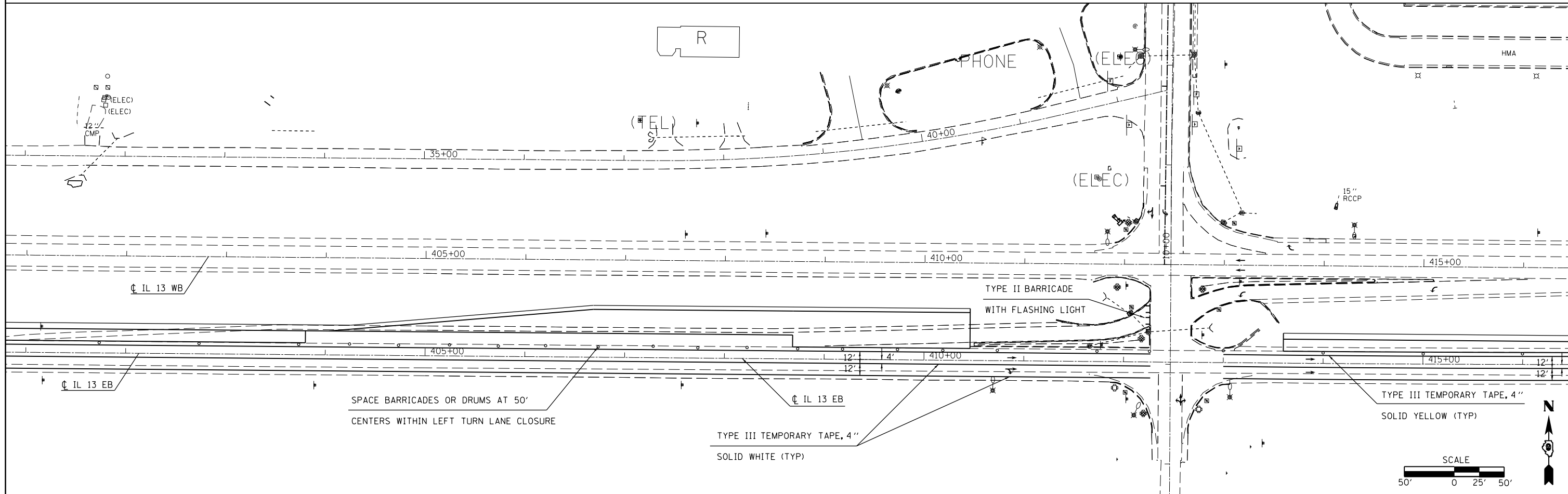
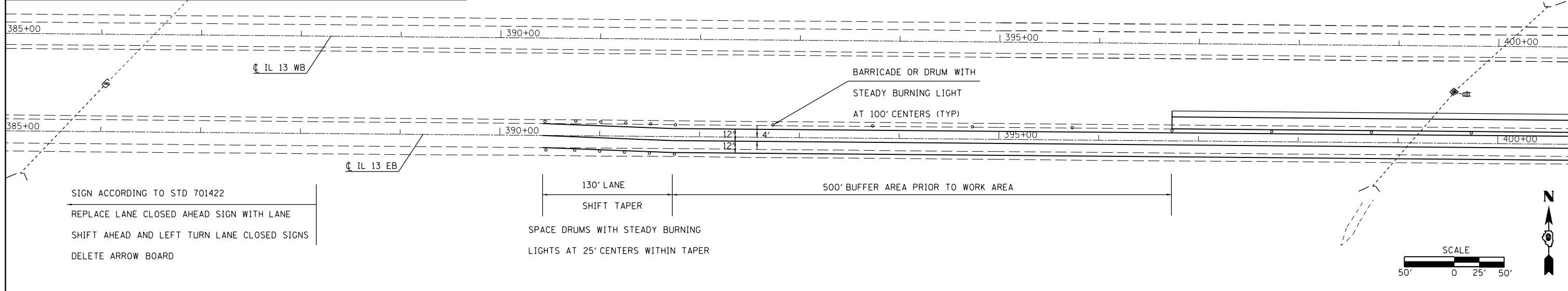
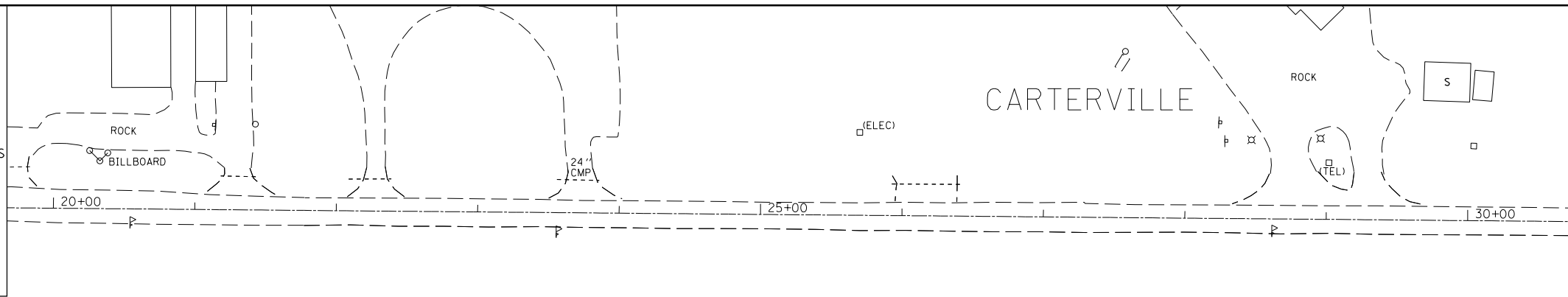
STAGING GENERAL NOTES SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	61
			CONTRACT NO. 78216	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

STAGE 1

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT EB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP-OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. AN EB LEFT TURN LANE CLOSURE WILL ONLY BE ALLOWED FROM FRIDAY AT 6PM TILL MONDAY AT 6AM, A PENALTY WILL BE ASSESSED FOR EVERY HOUR OUTSIDE THIS WINDOW THAT THE TURN LANE IS CLOSED. SEE SPECIAL PROVISIONS.



FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -
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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

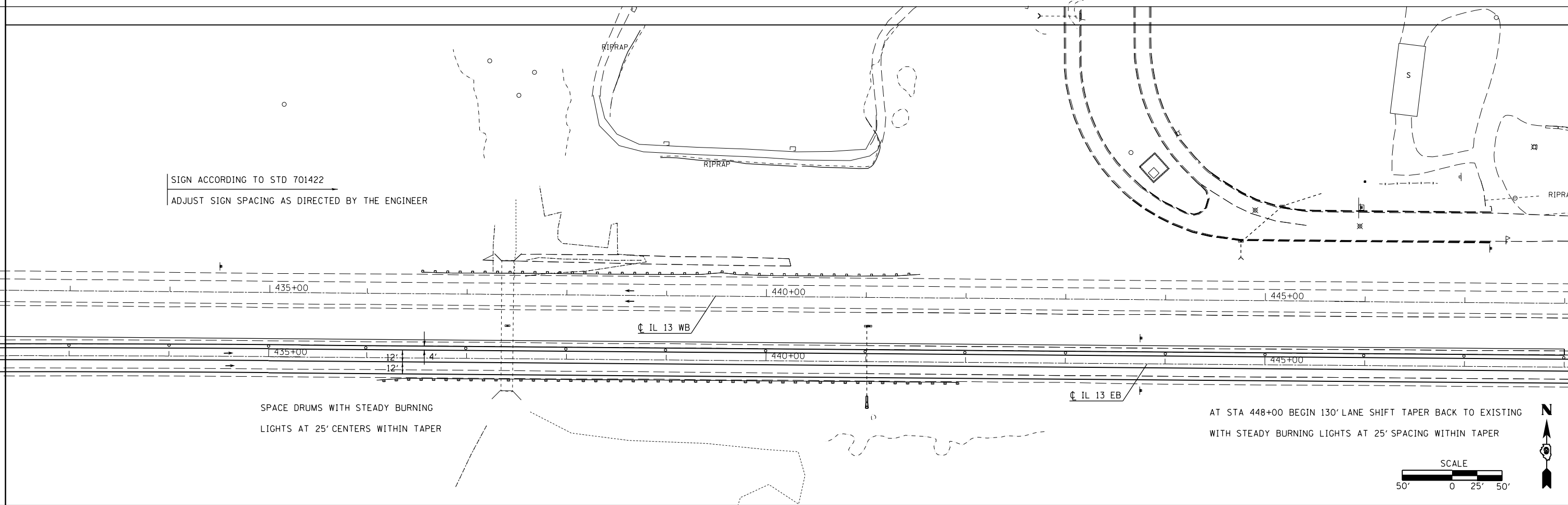
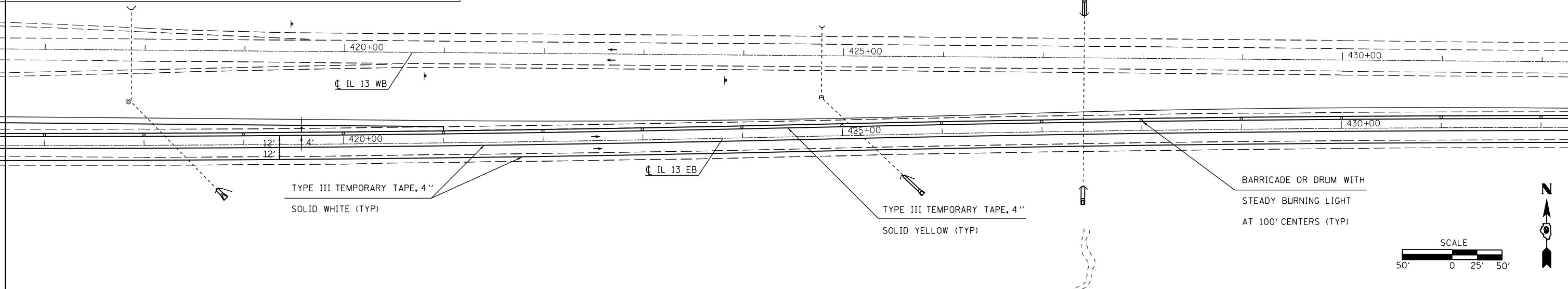
**STAGING SHEET
STAGE 1**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

STAGE 1

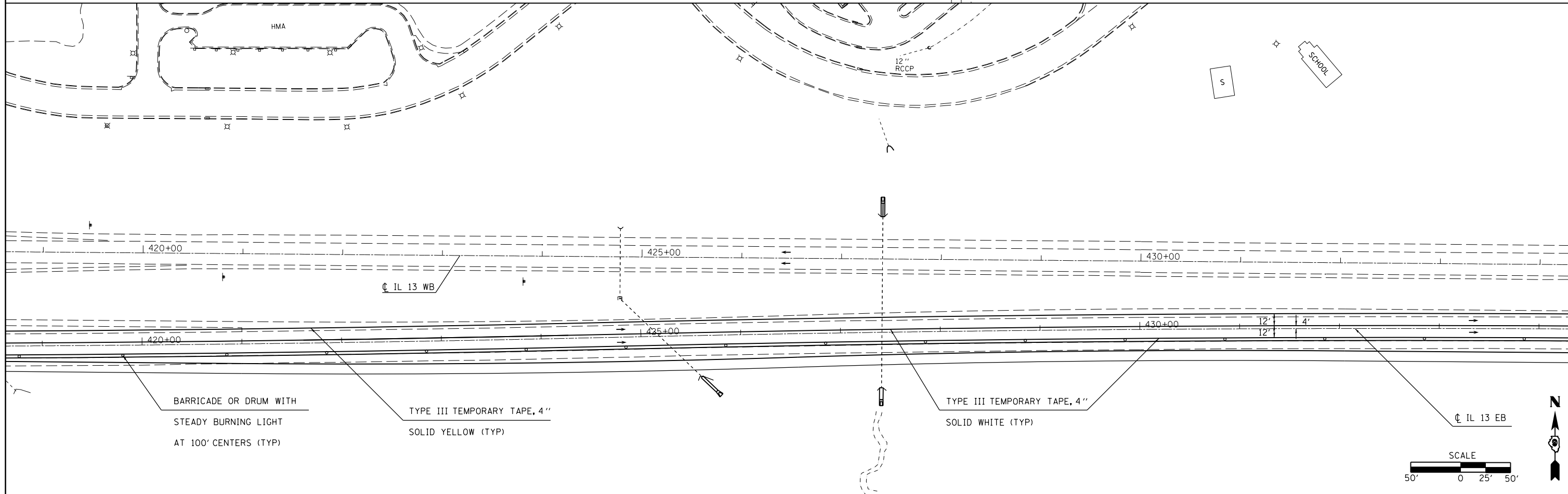
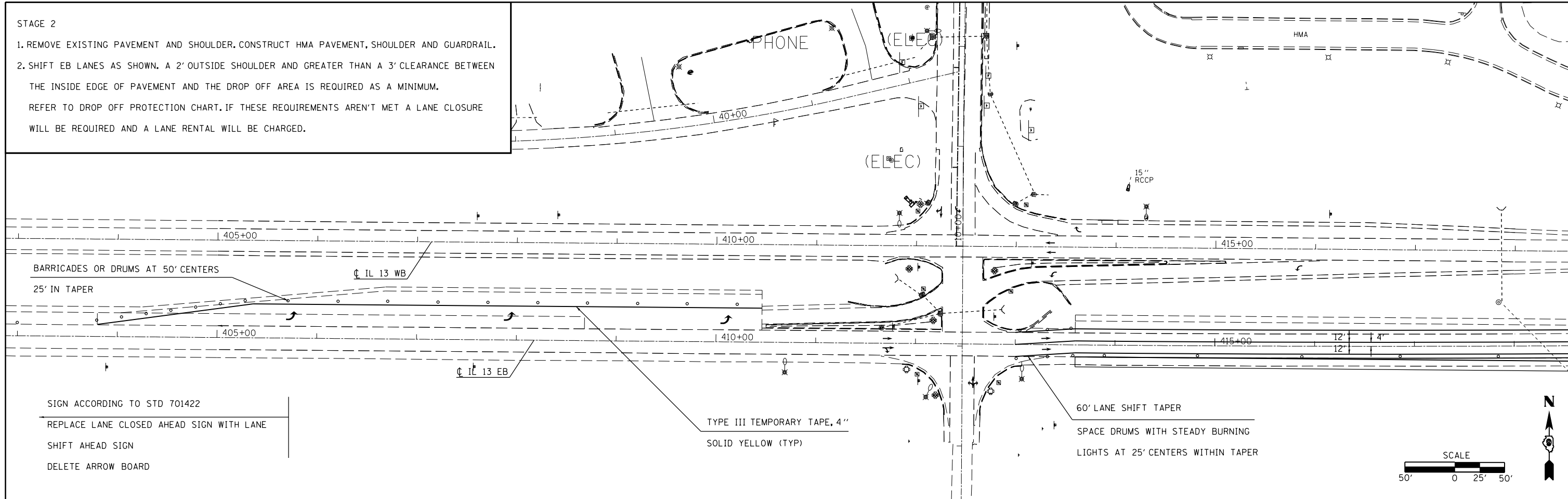
1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT EB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP-OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. AN EB LEFT TURN LANE CLOSURE WILL ONLY BE ALLOWED FROM FRIDAY AT 6PM TILL MONDAY AT 6AM, A PENALTY WILL BE ASSESSED FOR EVERY HOUR OUTSIDE THIS WINDOW THAT THE TURN LANE IS CLOSED. SEE SPECIAL PROVISIONS.



FILE NAME =	USER NAME = kellekjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING SHEET STAGE 1			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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	PLOT DATE = 12/15/2011	DATE -	REVISED -										ILLINOIS FED. AID PROJECT		

STAGE 2

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT, SHOULDER AND GUARDRAIL.
2. SHIFT EB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

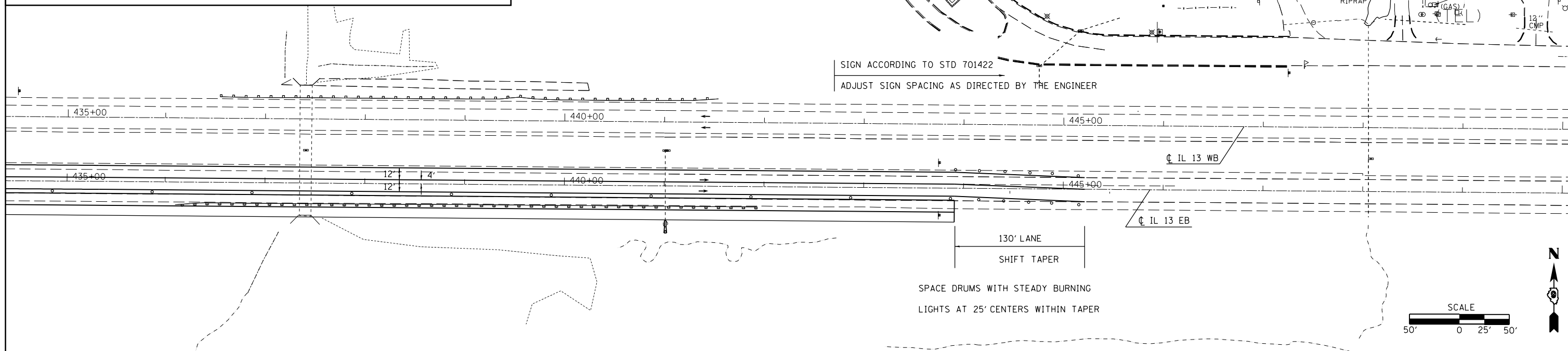
**STAGING SHEET
STAGE 2**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	64
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

STAGE 2

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT, SHOULDER AND GUARDRAIL.
2. SHIFT EB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

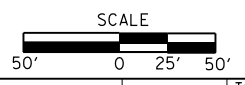
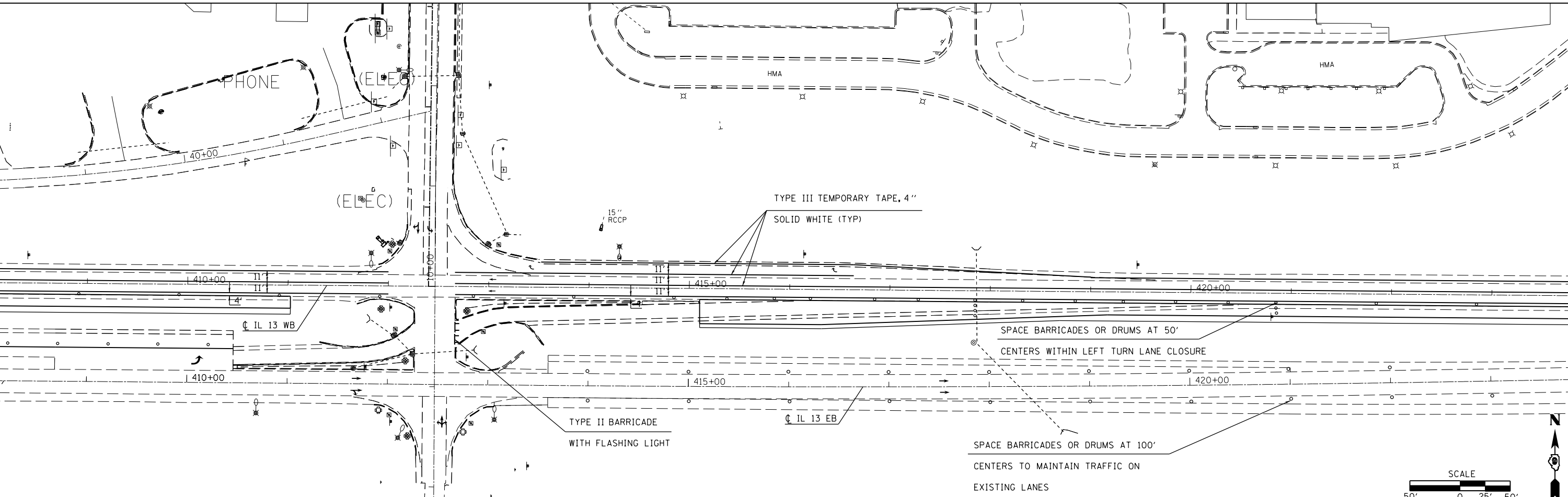
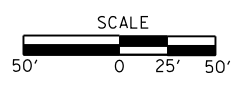
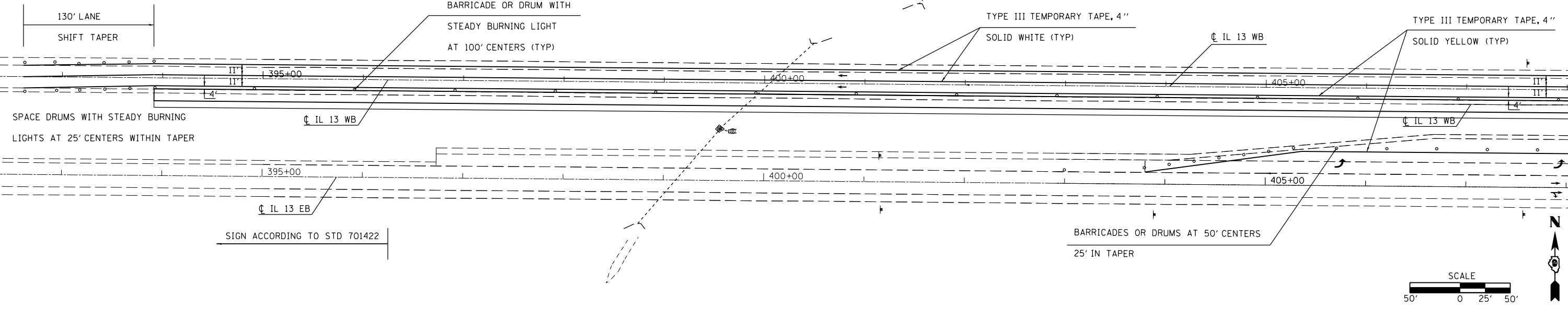
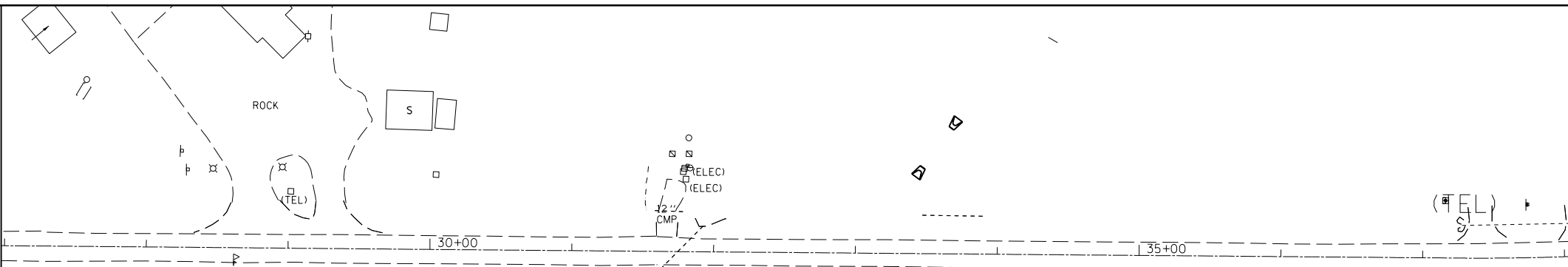
STAGING SHEET
STAGE 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	65
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

STAGE 3

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. NO INTERSECTION RENTAL WILL BE CHARGED FOR CLOSURE OF THE IL 13 WB LEFT TURN LANE.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

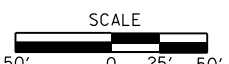
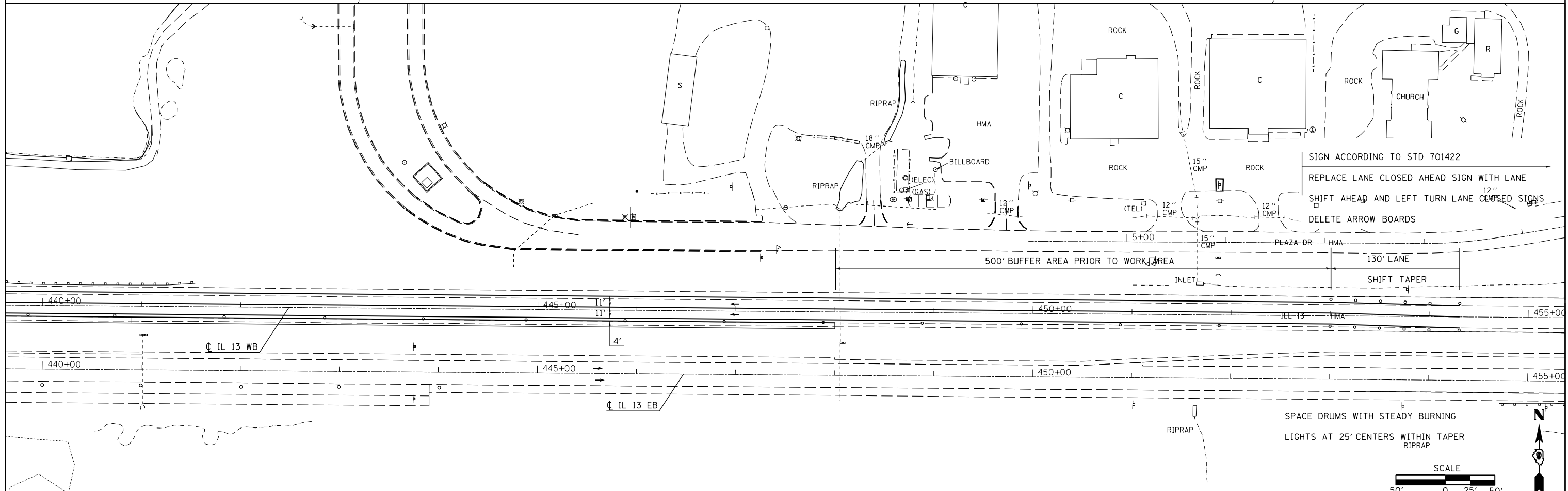
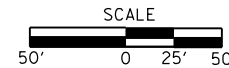
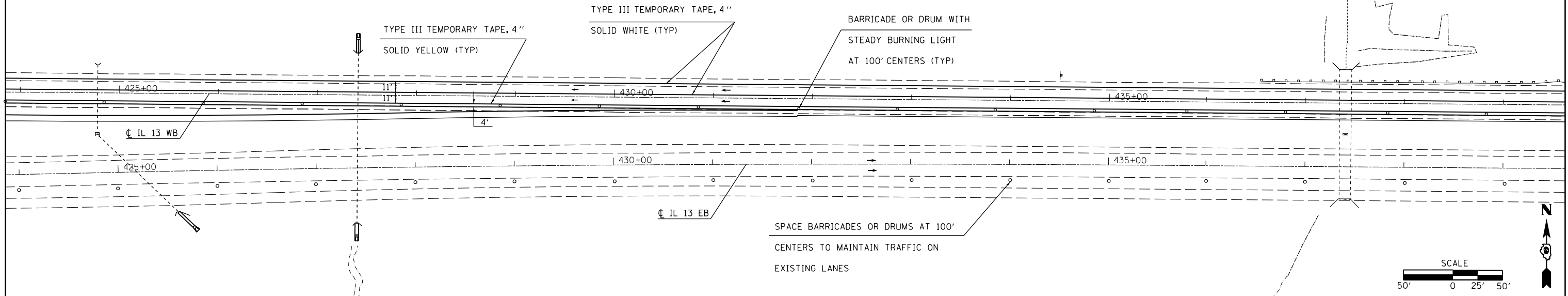
**STAGING SHEET
STAGE 3**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	66
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

STAGE 3

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. NO INTERSECTION RENTAL WILL BE CHARGED FOR CLOSURE OF THE IL 13 WB LEFT TURN LANE.



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PLOT DATE = 12/15/2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

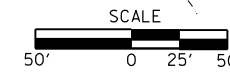
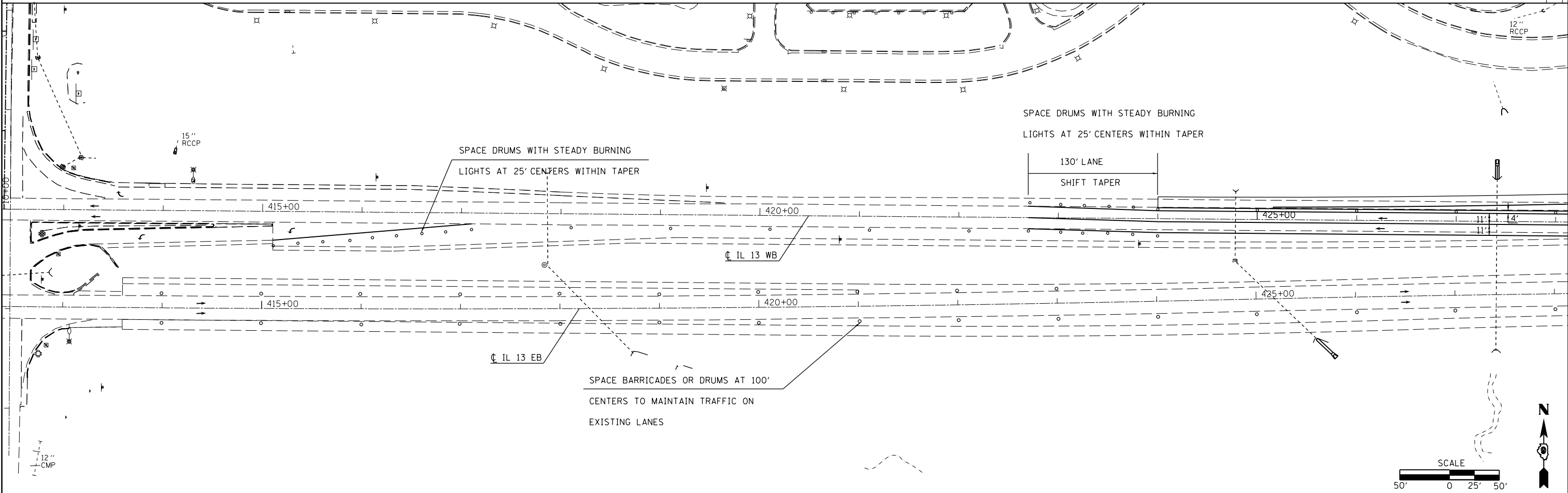
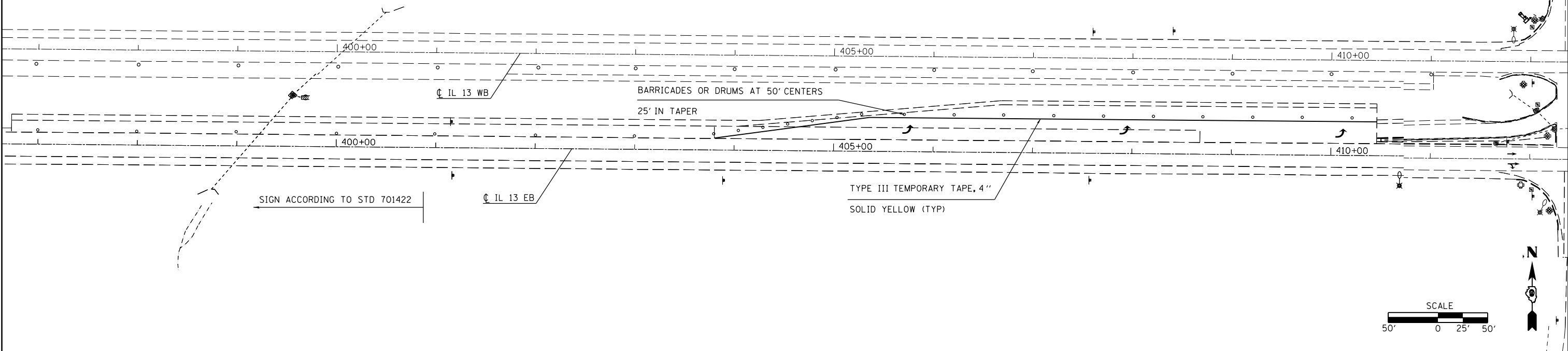
**STAGING SHEET
STAGE 3**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Willamson	220	67
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

STAGE 4

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.



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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

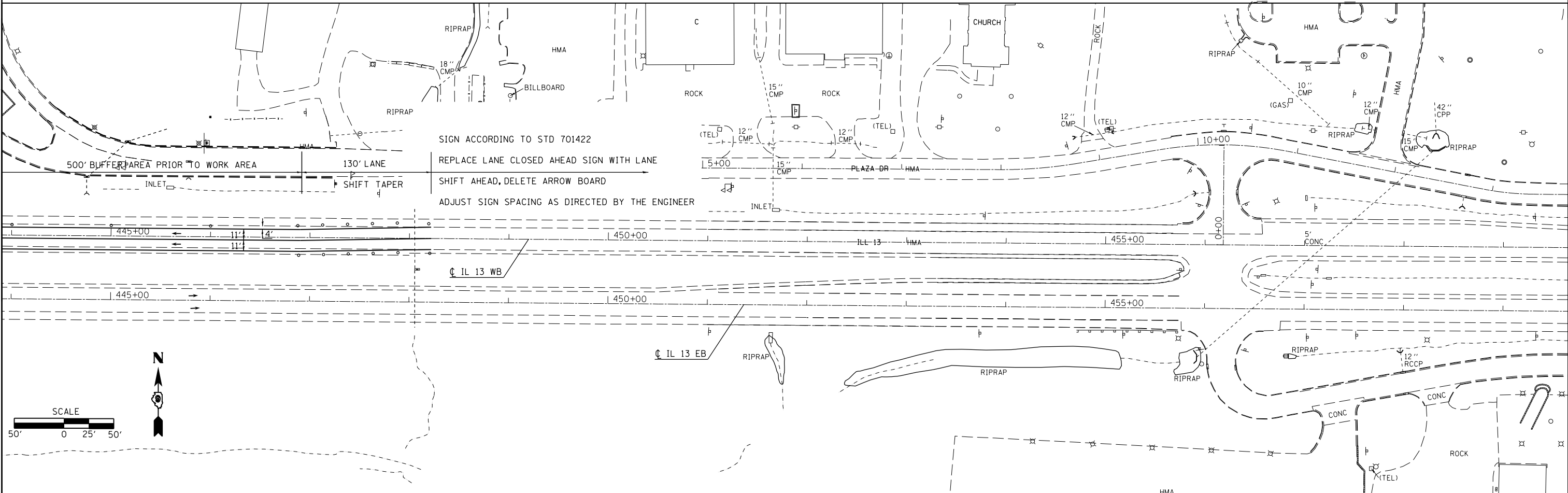
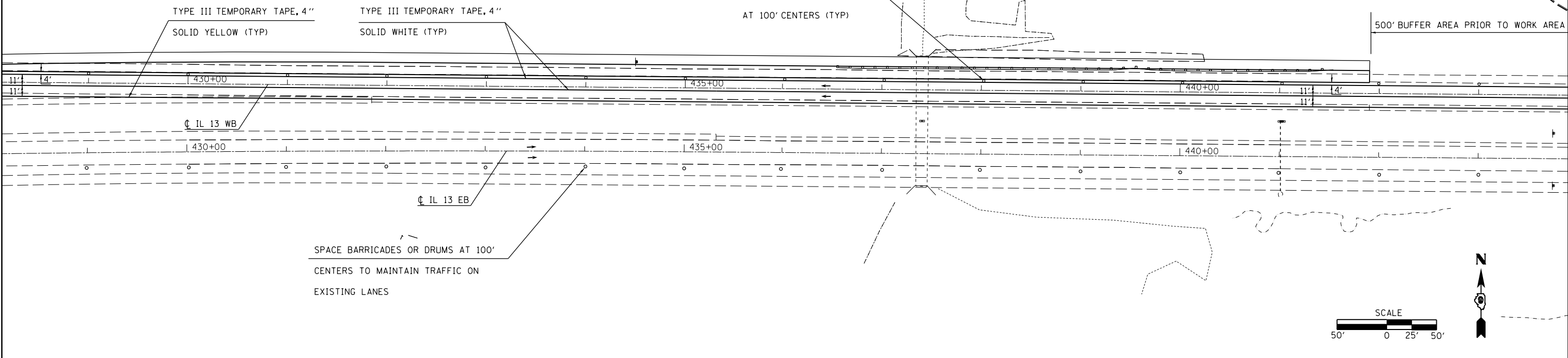
**STAGING SHEET
STAGE 4**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	68
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

STAGE 4

1. REMOVE EXISTING PAVEMENT AND SHOULDER. CONSTRUCT HMA PAVEMENT AND SHOULDER.
2. SHIFT WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

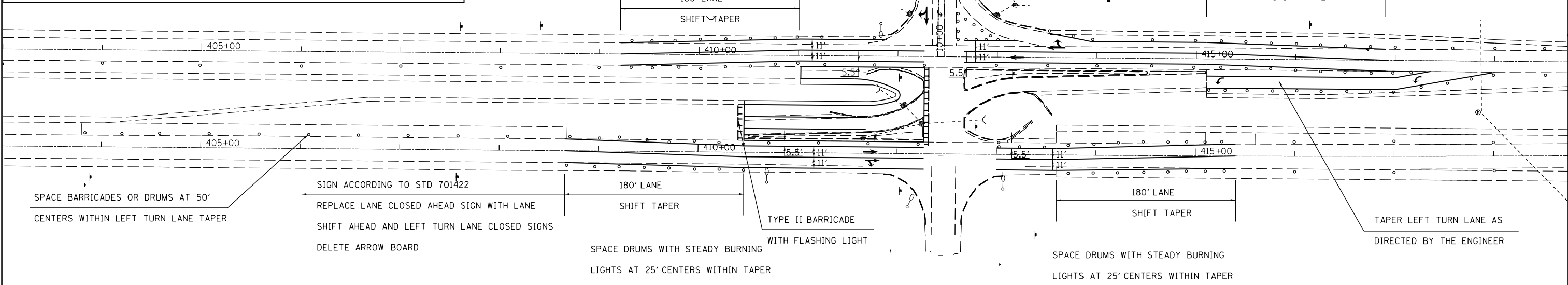
**STAGING SHEET
STAGE 4**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

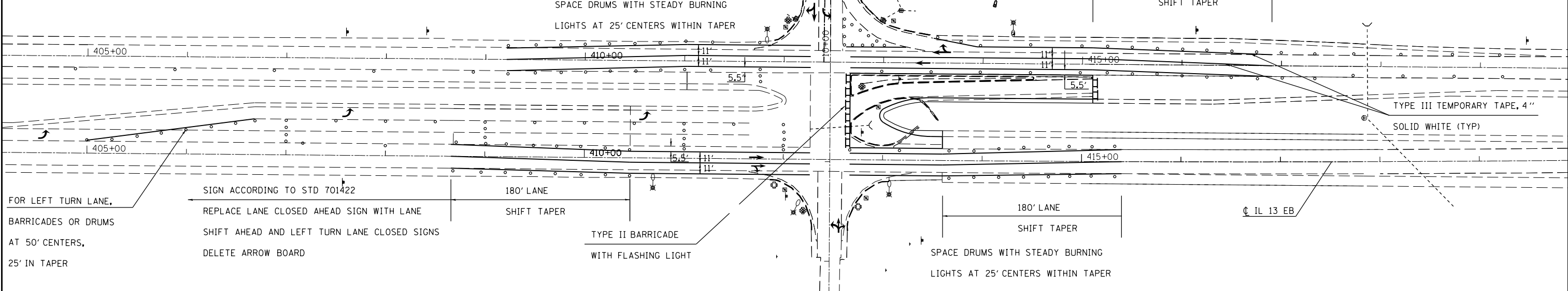
STAGE 5

1. REMOVE EXISTING MEDIAN, SHOULDER, CURB AND GUTTER DRAINAGE ITEMS, TRAFFIC SIGNALS AND PCC PAVEMENT. PLACE PCC PAVEMENT AND SHOULDERS.
2. SHIFT EB AND WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. AN EB LEFT TURN LANE CLOSURE WILL ONLY BE ALLOWED FROM FRIDAY AT 6PM TILL MONDAY AT 6AM, A PENALTY WILL BE ASSESSED FOR EVERY HOUR OUTSIDE THIS WINDOW THAT THE TURN LANE IS CLOSED. SEE SPECIAL PROVISIONS.



STAGE 6

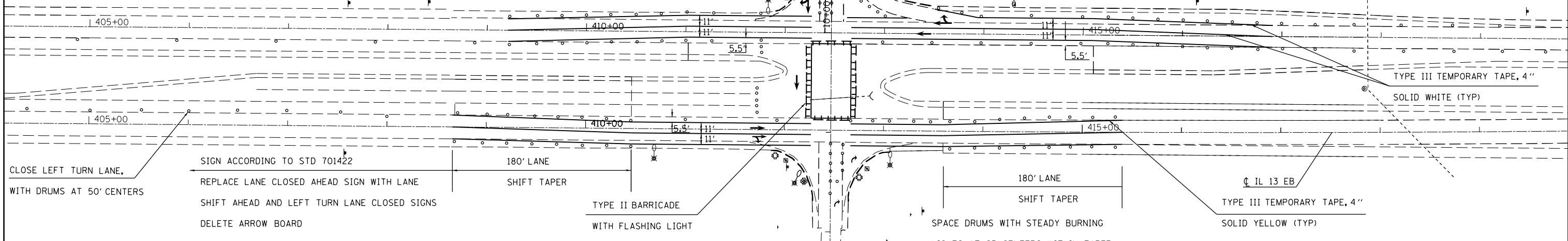
1. REMOVE EXISTING MEDIAN, SHOULDER, CURB AND GUTTER DRAINAGE ITEMS, TRAFFIC SIGNALS AND PCC PAVEMENT. PLACE PCC PAVEMENT AND SHOULDERS.
2. SHIFT EB AND WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND A GREATER THAN 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. FOR EACH PARTIAL OR FULL DAY THE IL 13 WB LEFT TURN LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED.



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING SHEET STAGE 5 /STAGE 6				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216								
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

STAGE 7

1. REMOVE EXISTING PCC PAVEMENT AND REPLACE.
2. SHIFT EB AND WB LANES AS SHOWN. A 2' OUTSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM. REFER TO DROP OFF PROTECTION CHART. IF THESE REQUIREMENTS AREN'T MET A LANE CLOSURE WILL BE REQUIRED AND A LANE RENTAL WILL BE CHARGED.
3. FOR EACH PARTIAL OR FULL DAY A GREENBRIAR LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED. NO INTERSECTION RENTAL WILL BE CHARGED FOR THE IL 13 WB LEFT TURN LANE CLOSURE.
4. AN EB LEFT LANE CLOSURE WILL ONLY BE ALLOWED FROM FRIDAY AT 6PM TILL MONDAY AT 6AM. A PENALTY WILL BE ASSESSED FOR EVERY HOUR OUTSIDE THIS WINDOW THAT THE TURN LANE IS CLOSED. SEE SPECIAL PROVISION.



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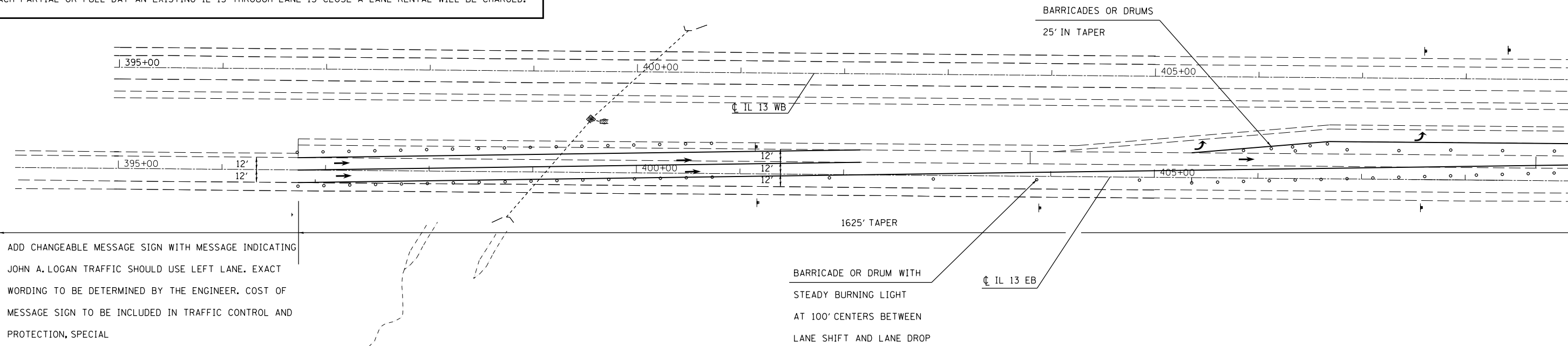
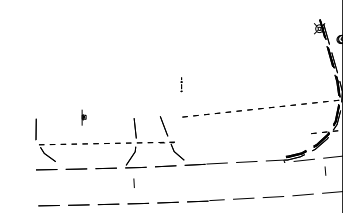
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING SHEET STAGE 7			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

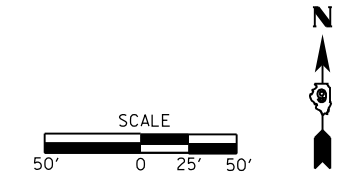
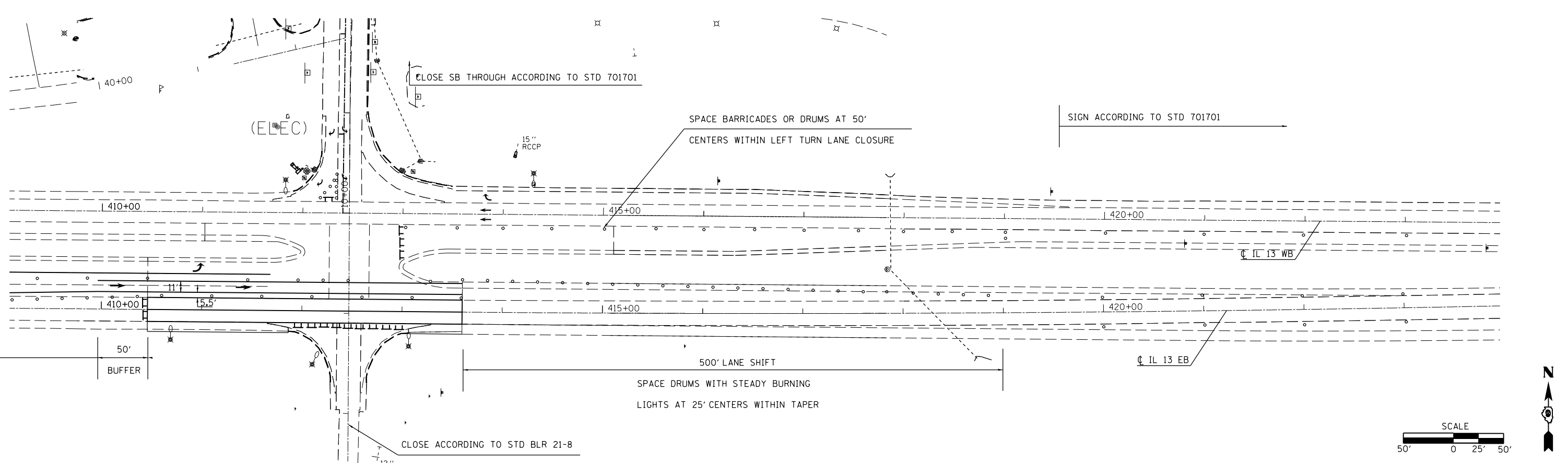
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	71
CONTRACT NO.			78216	
ILLINOIS FED. AID PROJECT				

STAGE 8

1. REMOVE EXISTING PCC PAVEMENT AND REPLACE.
2. CLOSE TWO OUTSIDE EB THROUGH LANES ACCORDING TO 704221. REFER TO DROP OFF PROTECTION CHART. A 2' INSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE OUTSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM AT ALL TIMES.
3. FOR EACH PARTIAL OR FULL DAY A GREENBRIAR LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED. NO INTERSECTION RENTAL WILL BE CHARGED FOR THE IL 13 WB LEFT TURN LANE CLOSURE.
4. FOR EACH PARTIAL OR FULL DAY AN EXISTING IL 13 THROUGH LANE IS CLOSE A LANE RENTAL WILL BE CHARGED.



ADD CHANGEABLE MESSAGE SIGN WITH MESSAGE INDICATING JOHN A. LOGAN TRAFFIC SHOULD USE LEFT LANE. EXACT WORDING TO BE DETERMINED BY THE ENGINEER. COST OF MESSAGE SIGN TO BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, SPECIAL



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

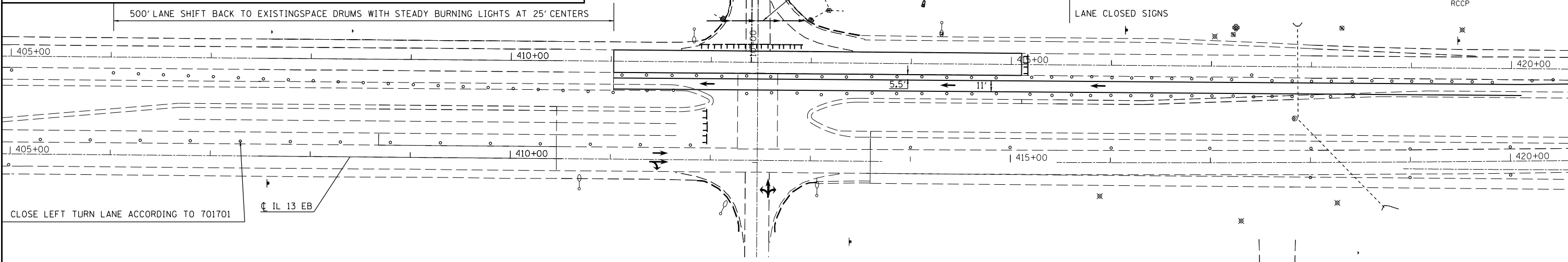
**STAGING SHEET
STAGE 8**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	72
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STAGE 9

1. REMOVE EXISTING PCC PAVEMENT AND REPLACE.
2. CLOSE TWO OUTSIDE WB THROUGH LANES ACCORDING TO 701422. ADD SIGNAGE TO CLOSE THE WB LEFT AND RIGHT TURN LANES. REFER TO DROP OFF PROTECTION CHART. A 2' INSIDE SHOULDER AND GREATER THAN A 3' CLEARANCE BETWEEN THE OUTSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA IS REQUIRED AS A MINIMUM AT ALL TIMES.
3. FOR EACH PARTIAL OR FULL DAY ANY TURN LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED.
4. AN EB LEFT LANE CLOSURE WILL ONLY BE ALLOWED FROM FRIDAY AT 6PM TILL MONDAY AT 6AM. A PENALTY WILL BE ASSESSED FOR EVERY HOUR OUTSIDE THIS WINDOW THAT THE TURN LANE IS CLOSED. SEE SPECIAL PROVISION.
5. FOR EACH PARTIAL OR FULL DAY AN EXISTING IL 13 THROUGH LANE IS CLOSE A LANE RENTAL WILL BE CHARGED.
6. PLACE 18" SS PIPE ACROSS NORTH GREENBRIAR DURING CLOSURE. FILL WITH TEMPORARY ROCK TO ALLOW TRAFFIC TO CROSS UPON OPENING.



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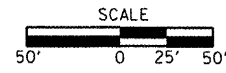
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING SHEET STAGE 9			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

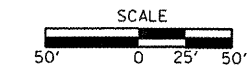
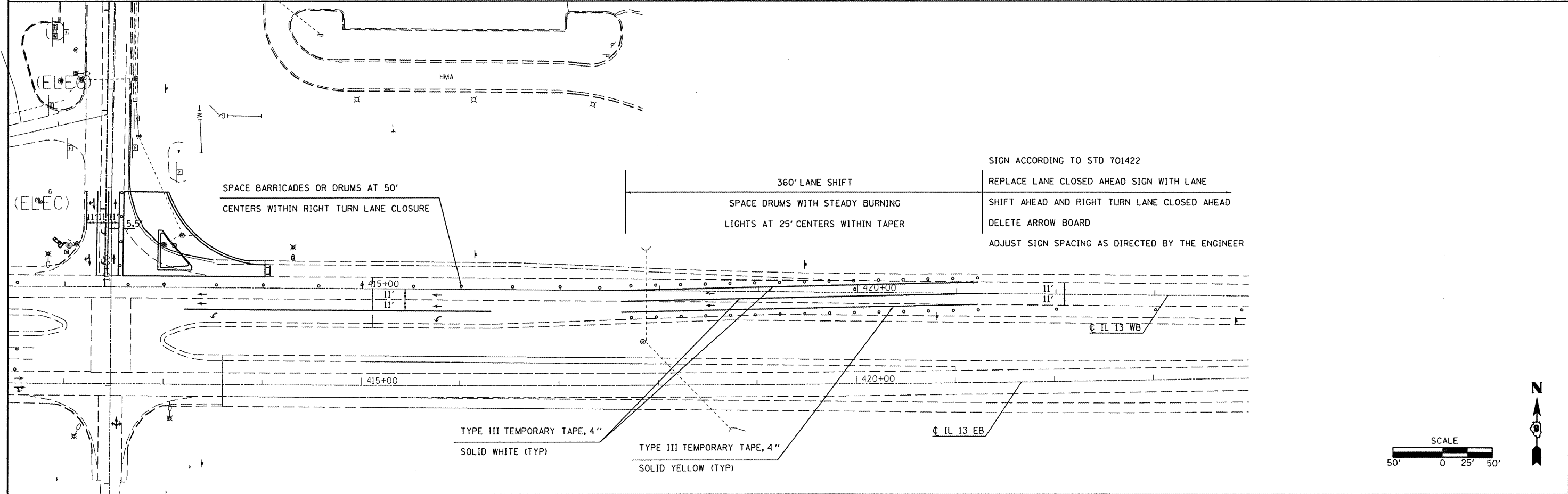
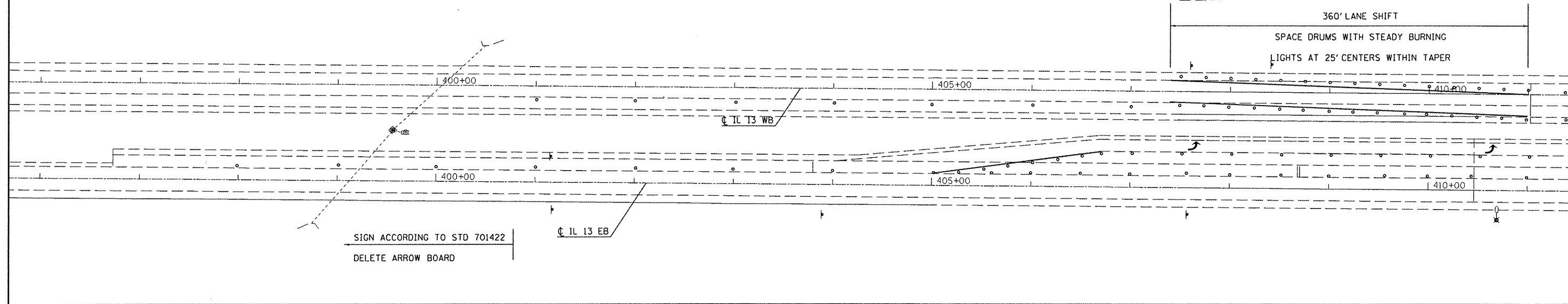
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	73
CONTRACT NO.			78216	
ILLINOIS FED. AID PROJECT				

STAGE 10

1. REMOVE EXISTING PAVEMENT, CURB AND GUTTER, DRAINAGE ITEMS AND TRAFFIC SIGNALS AND REPLACE.
2. SHIFT WB LANES AS SHOWN. CLOSE WB RIGHT TURN LANE.
3. SHIFT NORTH GREENBRIAR LANES TO ALLOW GREATER THAN A 3' CLEARANCE BETWEEN THE OUTSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA. REFER TO DROP OFF PROTECTION CHART.
4. FOR EACH PARTIAL OR FULL DAY THE WB RIGHT TURN LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

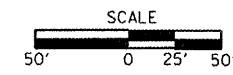
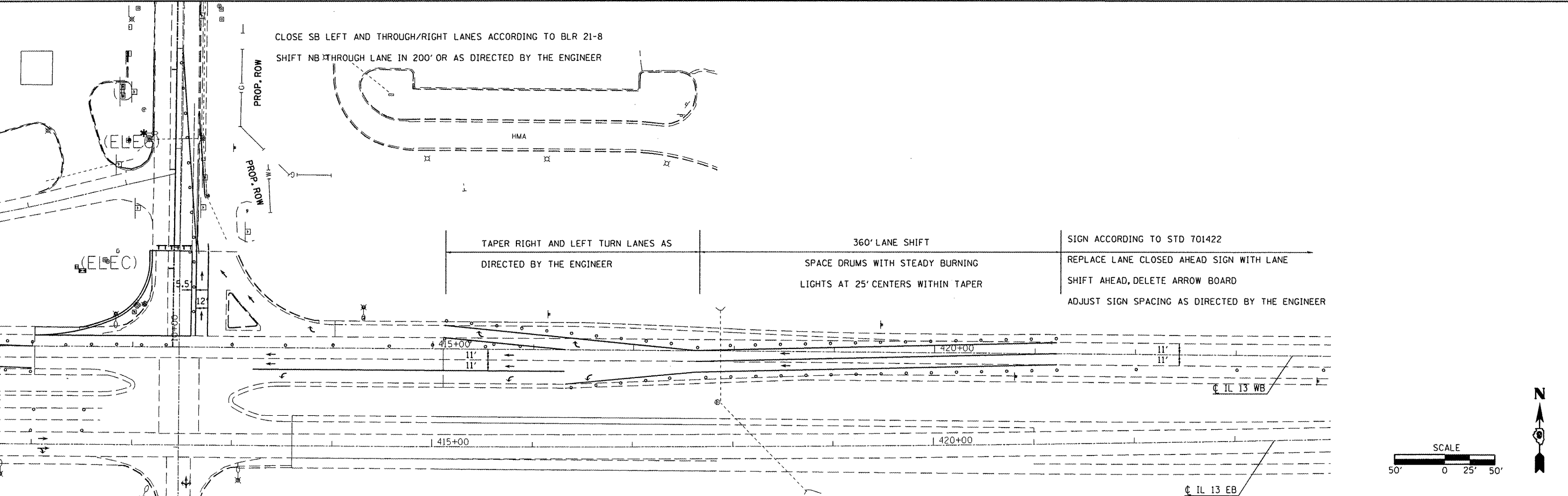
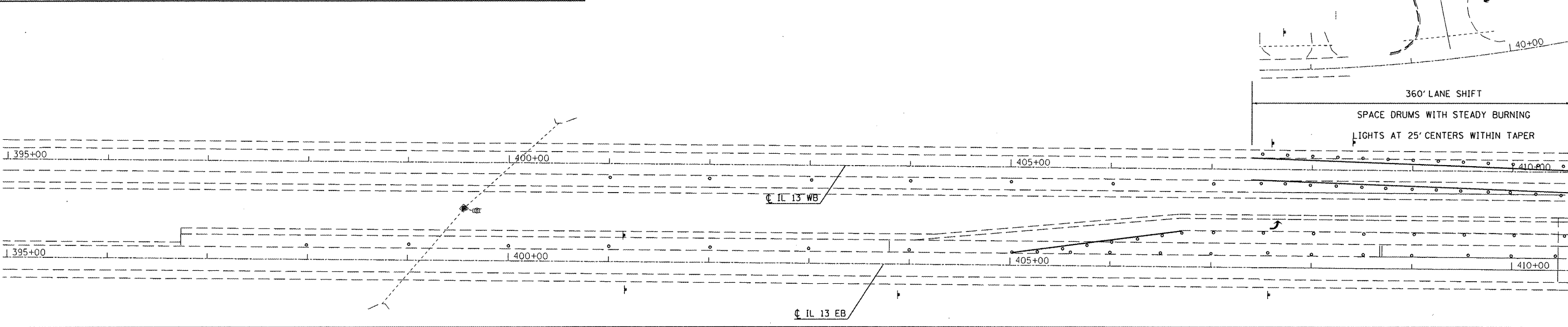
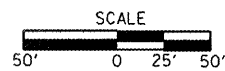
**STAGING SHEET
STAGE 10**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4R-1,N-3,TS-3)	Williamson	220	74
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

STAGE 11

1. PRIOR TO STAGE 11 CONSTRUCT ENOUGH OF PAVEMENT NORTH OF PCC SECTION TO ALLOW A NB THROUGH MOVEMENT.
ALLOW GREATER THAN A 3' CLEARANCE BETWEEN THE INSIDE EDGE OF PAVEMENT AND THE DROP OFF AREA.
REFER TO DROP OFF PROTECTION CHART.
1. REMOVE EXISTING PAVEMENT, CURB AND GUTTER, DRAINAGE ITEMS AND TRAFFIC SIGNALS AND REPLACE.
2. SHIFT WB LANES AS SHOWN. ADD SIGNAGE FOR LANE SHIFT.
3. CLOSE SB LEFT AND THROUGH/RIGHT TURN LANE ACCORDING TO BLR 21-8.
4. FOR EACH PARTIAL OR FULL DAY ANY TURN LANE IS CLOSED AN INTERSECTION RENTAL DAY WILL BE CHARGED.



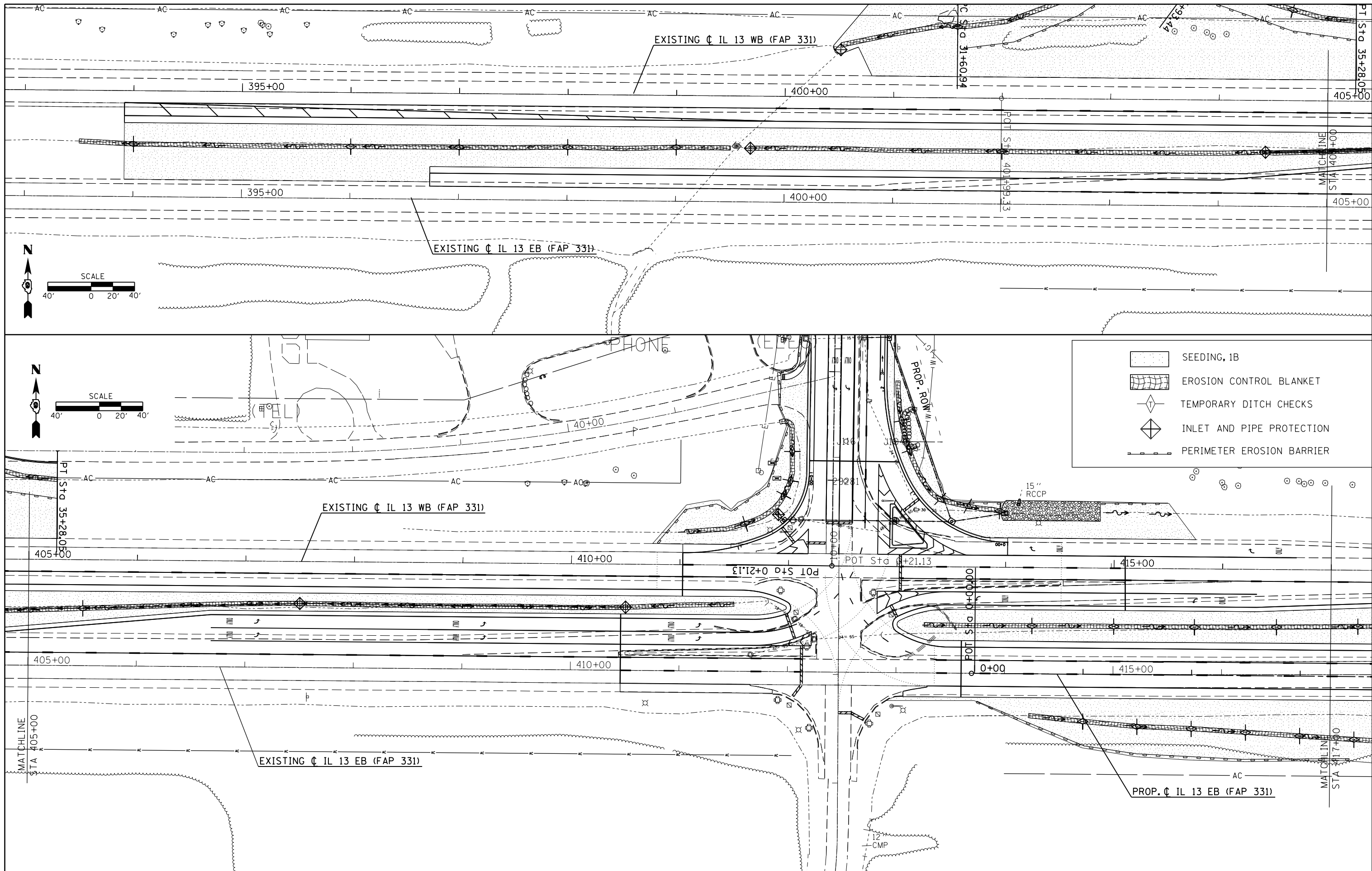
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING SHEET
STAGE 11**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-41R-1,N-3,TS-3)	Williamson	220	75
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				



	SEEDING, 1B
	EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER

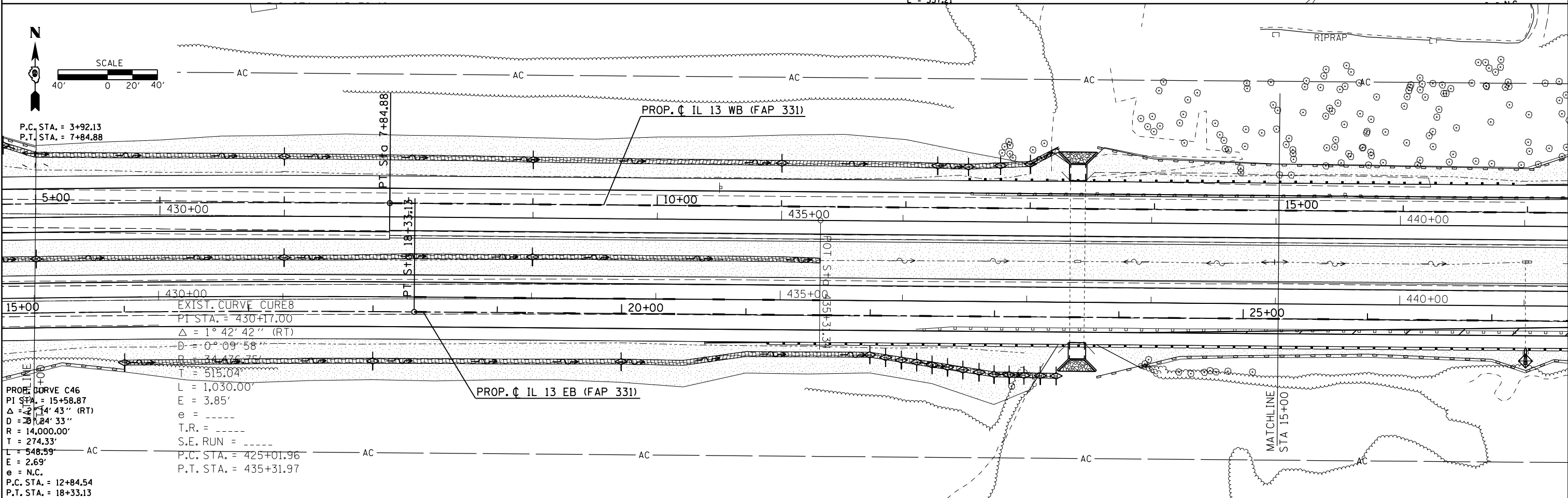
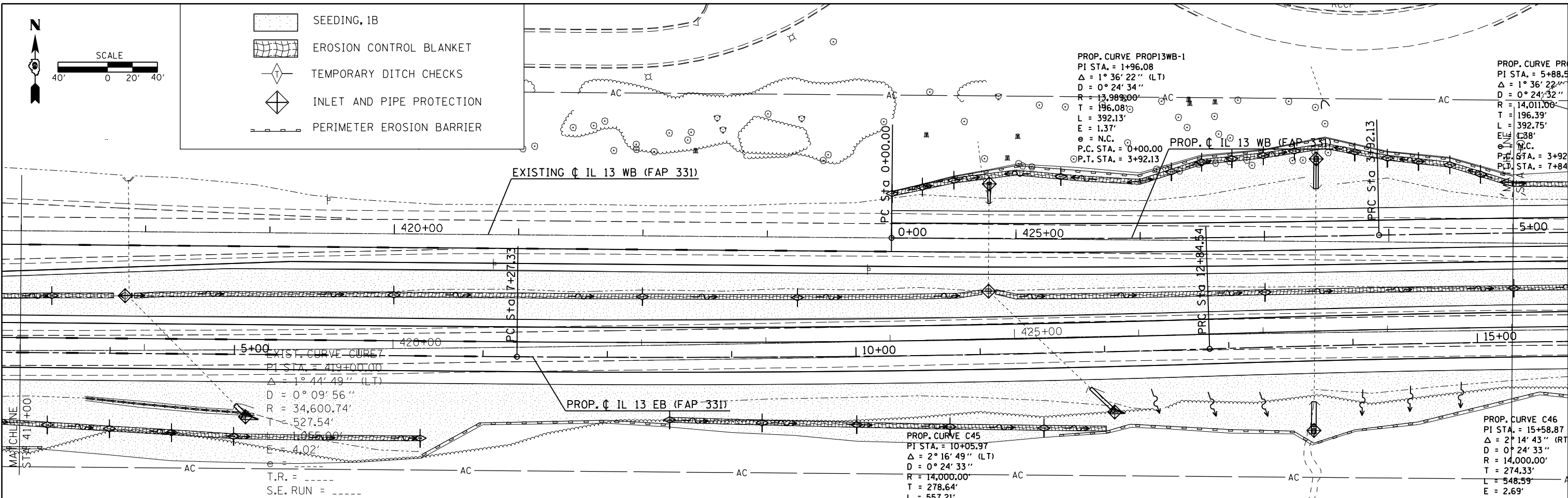
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

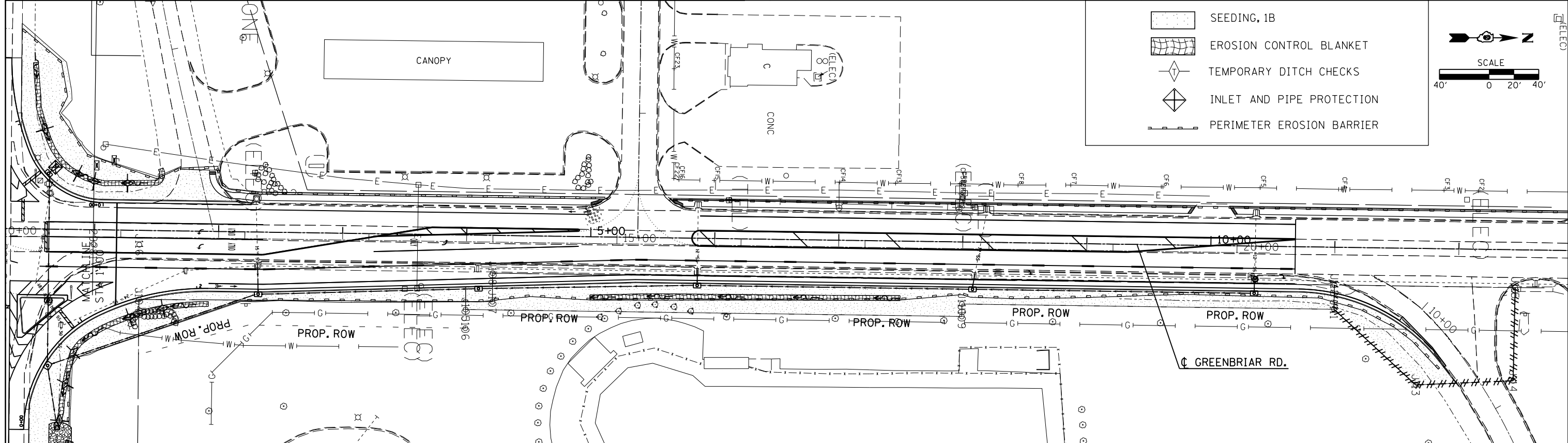
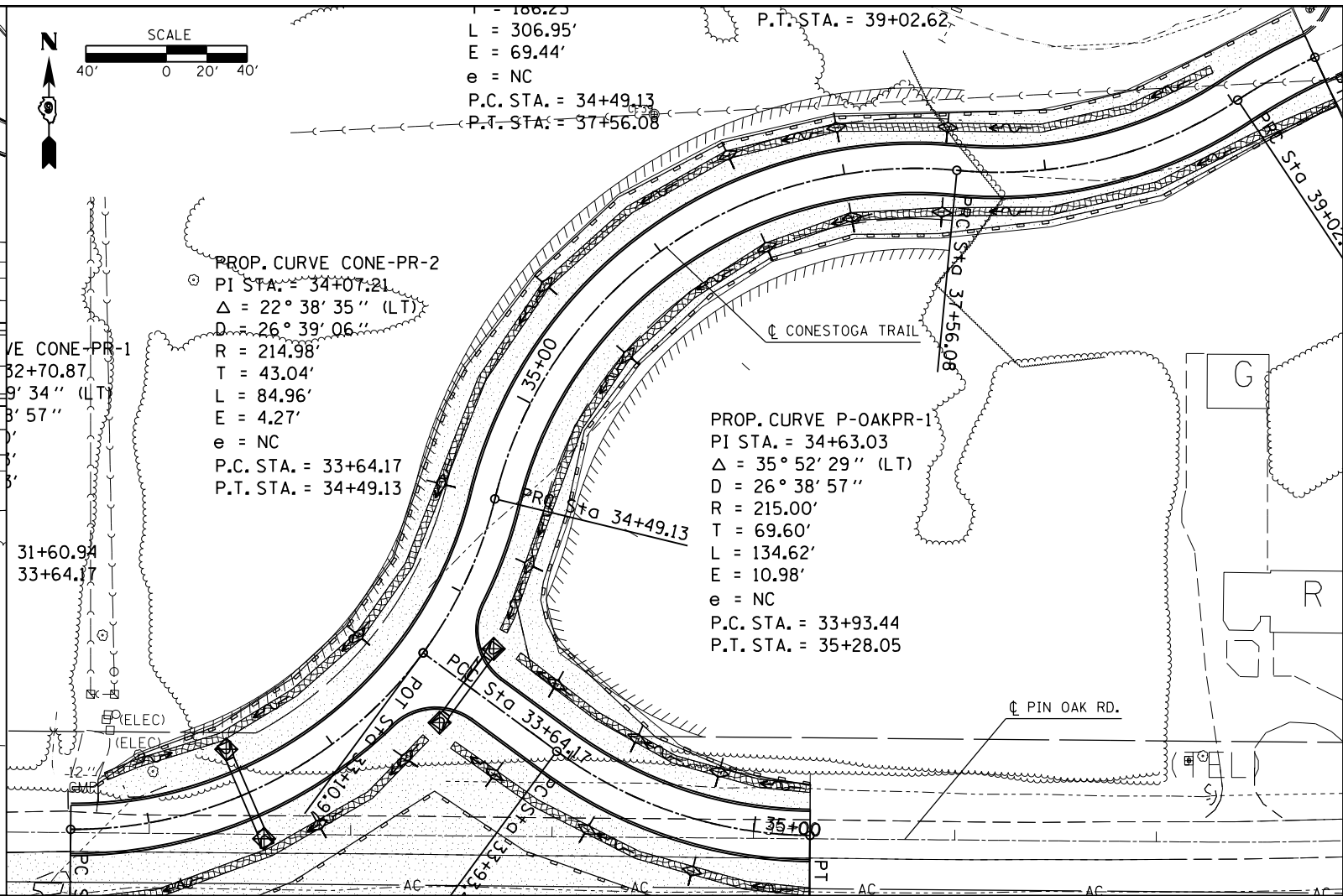
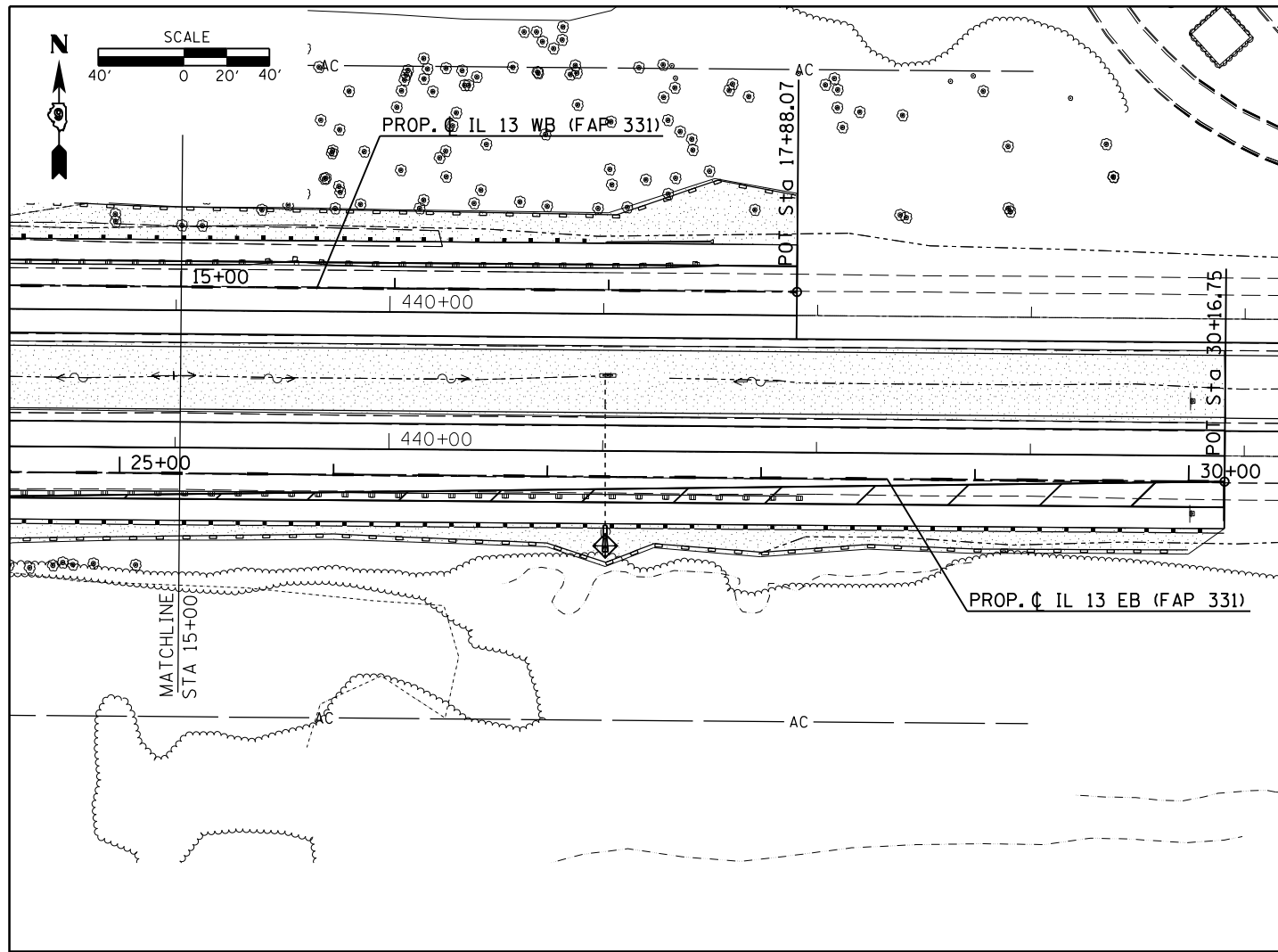
EROSION CONTROL SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	76
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

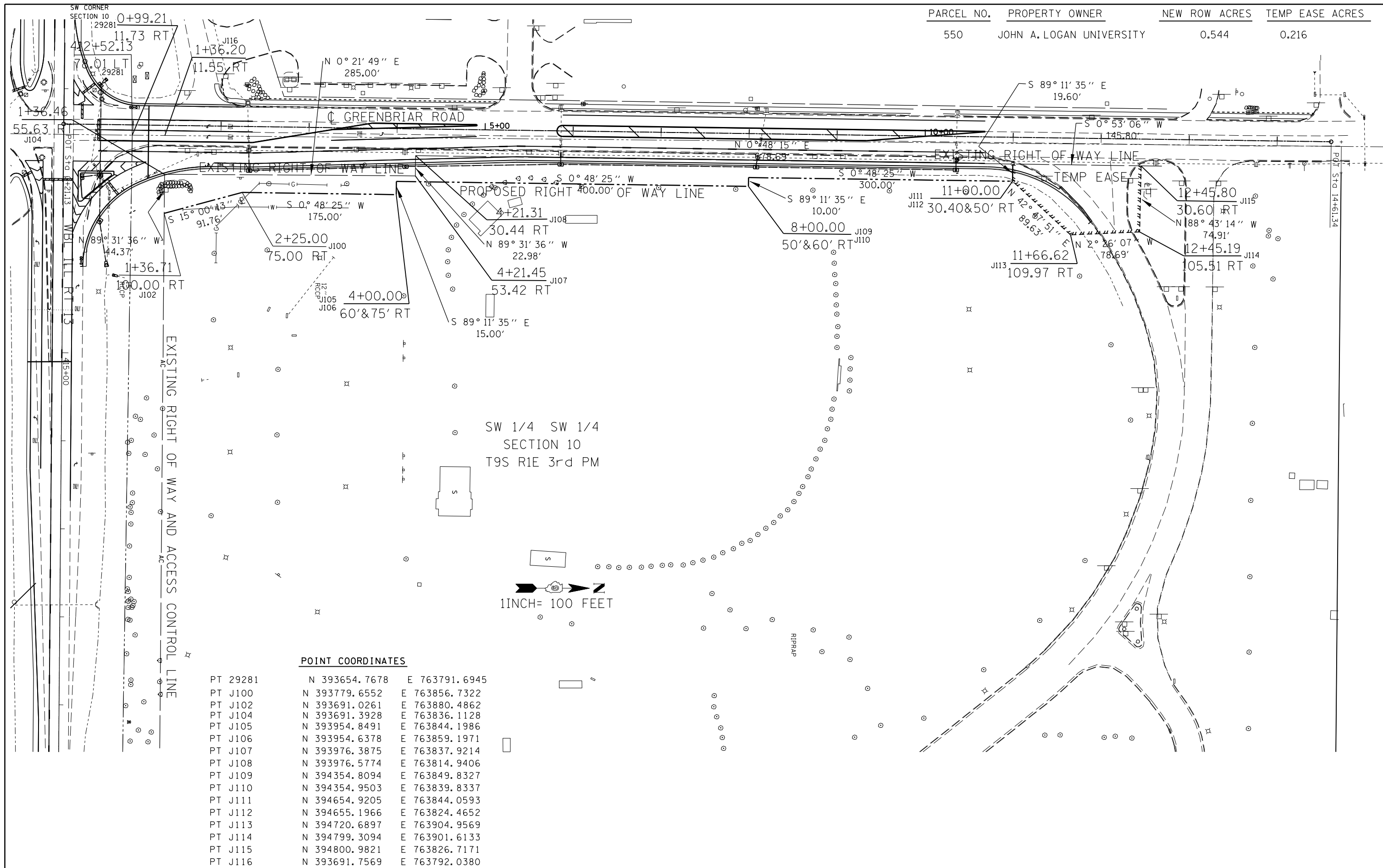


FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pwwork\pwwork\kellejkd\0205725\78216-sht-plnprf.dgn		DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	77
PLOT SCALE = 80.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 78216				
PLOT DATE = 12/15/2011		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\kellekd\d0205725\78216-sht-plnprf.dgn	PLOT SCALE = 80.0000' / in.	DRAWN -	REVISED -					331	(1-4R-1,N-3,TS-3	Williamson	220	78
PLOT DATE = 12/15/2011	DATE -	CHECKED -	REVISED -					CONTRACT NO. 78216				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

PARCEL NO.	PROPERTY OWNER	NEW ROW ACRES	TEMP EASE ACRES
550	JOHN A. LOGAN UNIVERSITY	0.544	0.216



POINT COORDINATES

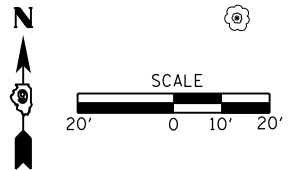
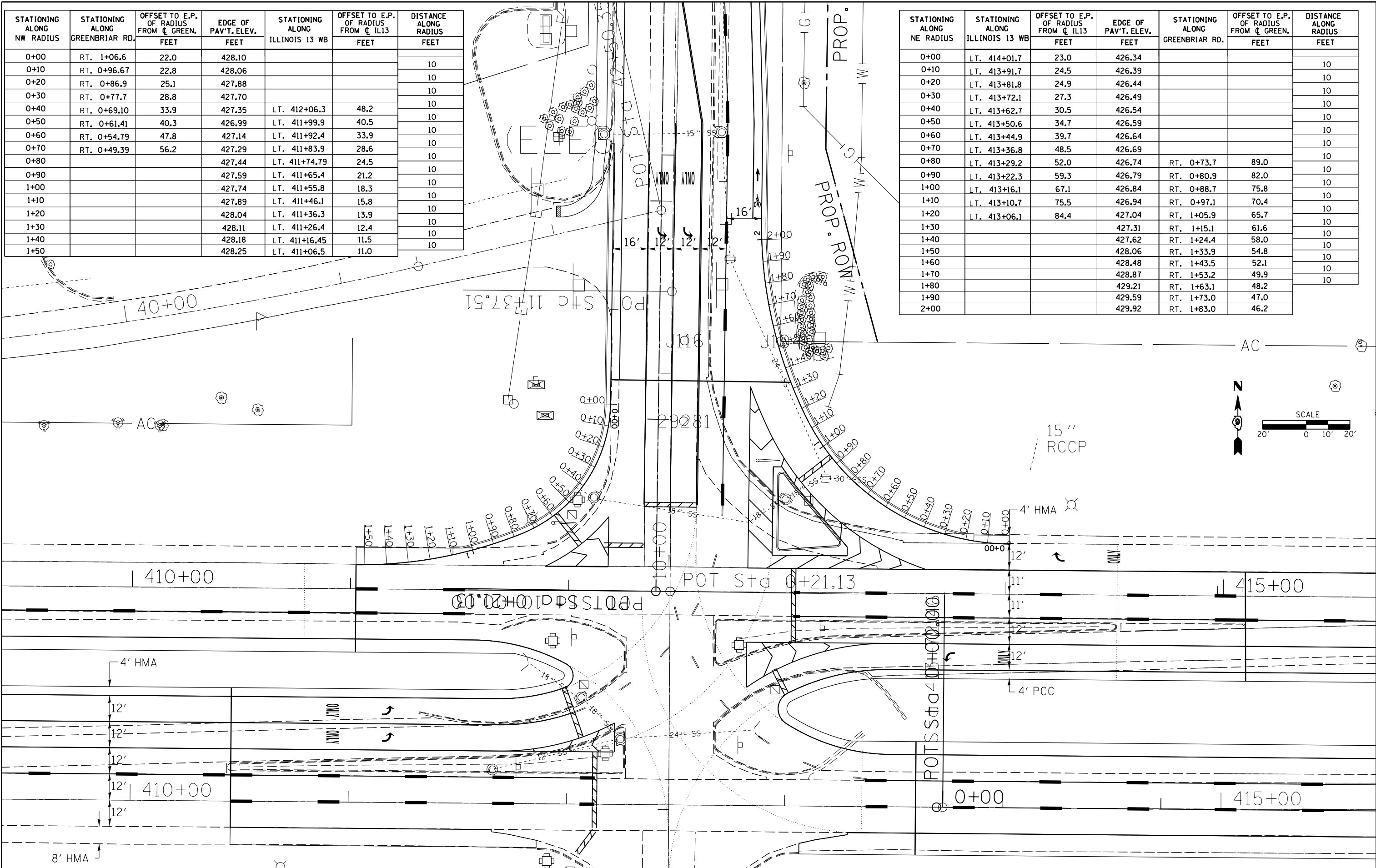
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PT J102	N 393691.0261	E 763880.4862
PT J104	N 393691.3928	E 763836.1128
PT J105	N 393954.8491	E 763844.1986
PT J106	N 393954.6378	E 763859.1971
PT J107	N 393976.3875	E 763837.9214
PT J108	N 393976.5774	E 763814.9406
PT J109	N 394354.8094	E 763849.8327
PT J110	N 394354.9503	E 763839.8337
PT J111	N 394654.9205	E 763844.0593
PT J112	N 394655.1966	E 763824.4652
PT J113	N 394720.6897	E 763904.9569
PT J114	N 394799.3094	E 763901.6133
PT J115	N 394800.9821	E 763826.7171
PT J116	N 393691.7569	E 763792.0380

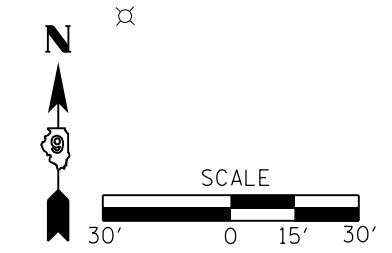
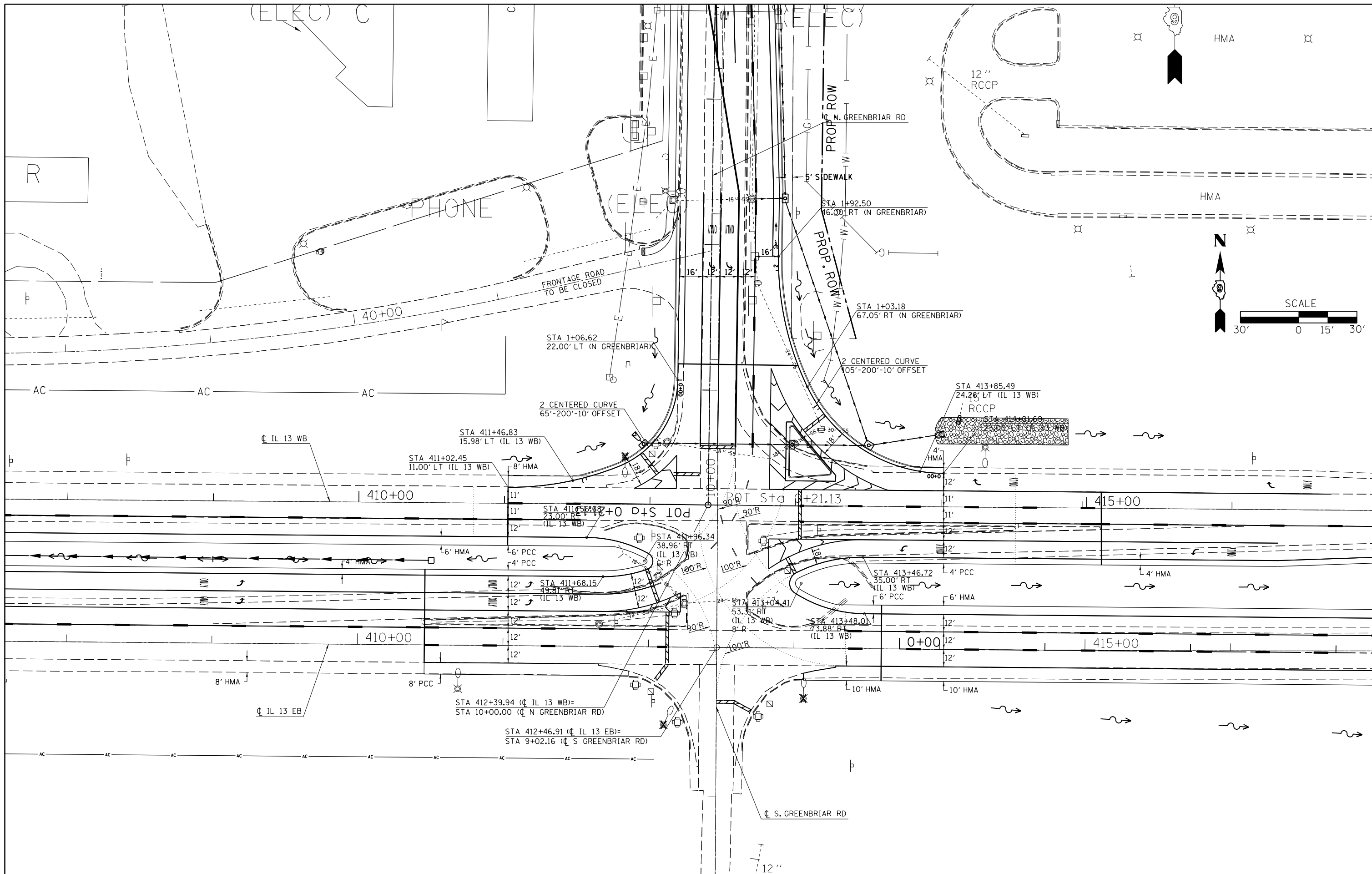
R-99-004-03

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ei:\pw\work\p\midot\kellejkd\d0205725\78216-sht-misc.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	331	(1-4)R-1,N-3,TS-3	Williamson	220	79
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216											
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT											

STATIONING ALONG NW RADIUS	STATIONING ALONG GREENBRIAR RD.	OFFSET TO E.P. OF RADIUS FROM C GREEN. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG ILLINOIS 13 WB	OFFSET TO E.P. OF RADIUS FROM C IL13 FEET	DISTANCE ALONG RADIUS FEET
0+00	RT. 1+06.6	22.0	428.10			
0+10	RT. 0+96.67	22.8	428.06			10
0+20	RT. 0+86.9	25.1	427.88			10
0+30	RT. 0+77.7	28.8	427.70			10
0+40	RT. 0+69.10	33.9	427.35	LT. 412+06.3	48.2	10
0+50	RT. 0+61.41	40.3	426.99	LT. 411+99.9	40.5	10
0+60	RT. 0+54.79	47.8	427.14	LT. 411+92.4	33.9	10
0+70	RT. 0+49.39	56.2	427.29	LT. 411+83.9	28.6	10
0+80			427.44	LT. 411+74.79	24.5	10
0+90			427.59	LT. 411+65.4	21.2	10
1+00			427.74	LT. 411+55.8	18.3	10
1+10			427.89	LT. 411+46.1	15.8	10
1+20			428.04	LT. 411+36.3	13.9	10
1+30			428.11	LT. 411+26.4	12.4	10
1+40			428.18	LT. 411+16.45	11.5	10
1+50			428.25	LT. 411+06.5	11.0	10

STATIONING ALONG NE RADIUS	STATIONING ALONG ILLINOIS 13 WB	OFFSET TO E.P. OF RADIUS FROM C IL13 FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG GREENBRIAR RD.	OFFSET TO E.P. OF RADIUS FROM C GREEN. FEET	DISTANCE ALONG RADIUS FEET
0+00	LT. 414+01.7	23.0	426.34			
0+10	LT. 413+91.7	24.5	426.39			10
0+20	LT. 413+81.8	24.9	426.44			10
0+30	LT. 413+72.1	27.3	426.49			10
0+40	LT. 413+62.7	30.5	426.54			10
0+50	LT. 413+50.6	34.7	426.59			10
0+60	LT. 413+44.9	39.7	426.64			10
0+70	LT. 413+36.8	48.5	426.69			10
0+80	LT. 413+29.2	52.0	426.74	RT. 0+73.7	89.0	10
0+90	LT. 413+22.3	59.3	426.79	RT. 0+80.9	82.0	10
1+00	LT. 413+16.1	67.1	426.84	RT. 0+88.7	75.8	10
1+10	LT. 413+10.7	75.5	426.94	RT. 0+97.1	70.4	10
1+20	LT. 413+06.1	84.4	427.04	RT. 1+05.9	65.7	10
1+30			427.31	RT. 1+15.1	61.6	10
1+40			427.62	RT. 1+24.4	58.0	10
1+50			428.06	RT. 1+33.9	54.8	10
1+60			428.48	RT. 1+43.5	52.1	10
1+70			428.87	RT. 1+53.2	49.9	10
1+80			429.21	RT. 1+63.1	48.2	10
1+90			429.59	RT. 1+73.0	47.0	10
2+00			429.92	RT. 1+83.0	46.2	10



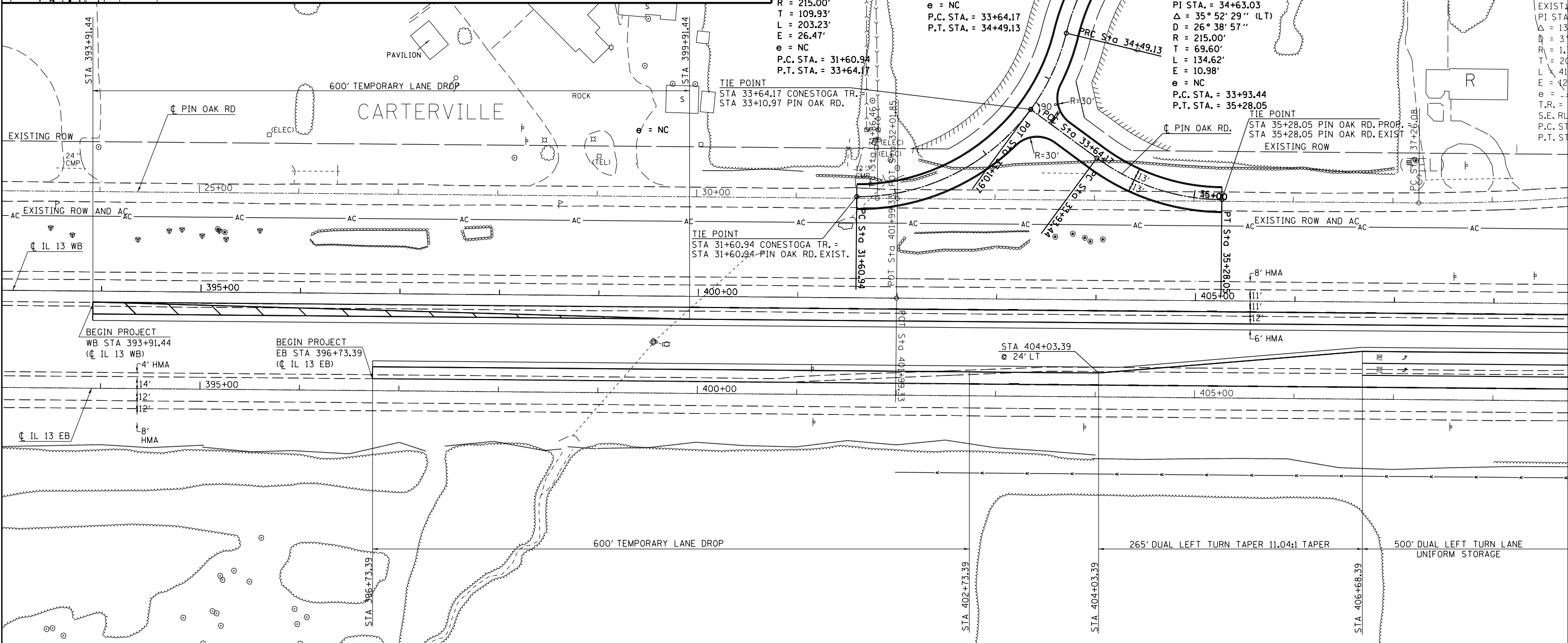
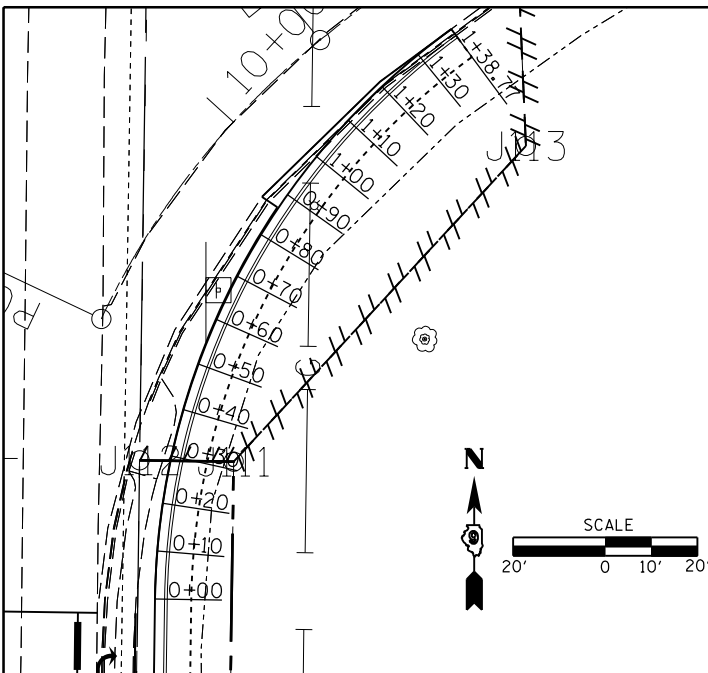


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	PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	81
PLOT DATE = 12/15/2011	DATE -	REVISED -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78216	
											ILLINOIS FED. AID PROJECT	

JOHN A. LOGAN RADIUS/ENTRANCE TIE IN

STATIONING ALONG JAL-RAD RADIUS	PROPOSED EDGE OF PAV'T. ELEV. FEET	OFFSET TO E.P. OF EXISTING JALC ENTRANCE FEET	EXISTING EDGE OF PAV'T. ELEV. FEET	DISTANCE ALONG RADIUS FEET
0+00	434.24	11.65	434.47	10
0+10	434.29	10.86	434.50	10
0+20	434.31	9.85	434.51	10
0+30	434.33	9.03	434.51	10
0+40	434.36	8.20	434.52	10
0+50	434.40	7.37	434.55	10
0+60	434.43	6.22	434.56	10
0+70	434.45	4.85	434.55	10
0+80	434.45	4.19	434.54	10
0+90	434.45	3.46	434.52	10
1+00	434.44	1.95	434.48	10
1+10	434.42	1.14	434.44	10
1+20	434.39	1.01	434.41	10
1+30	434.36	0.20	434.36	10
1+38.77	434.33	56.2	434.33	8.77

NOTE: THIS SECTION 20 SCALE FOR CLARITY



FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
ei:\pwork\pwork\kellejkd\0205725\78216-sht-plnprf.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

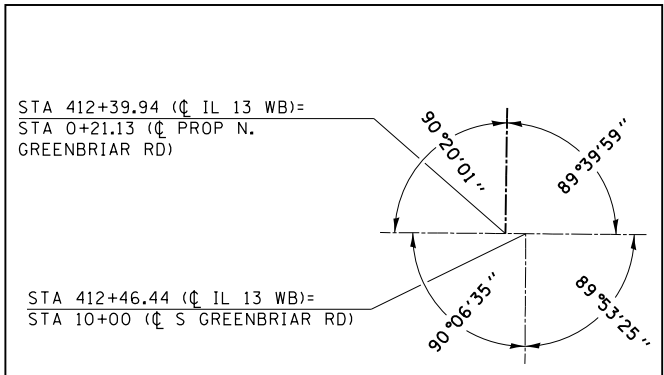
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GEOMETRICS SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	82
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

DETAIL "A"

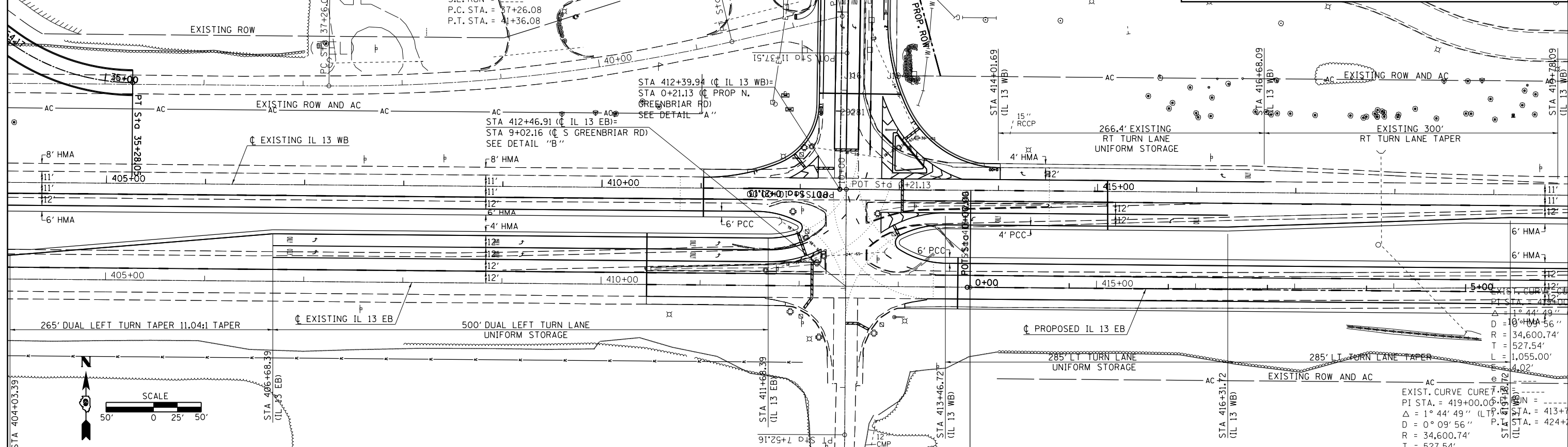
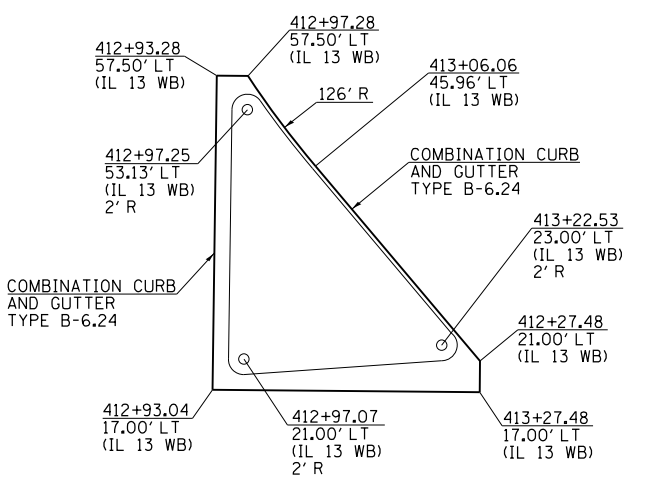


PI STA. = 34+63.03
 $\Delta = 35^\circ 52' 29''$ (LT)
 $D = 26^\circ 38' 57''$
 $R = 215.00'$
 $T = 69.60'$
 $L = 134.62'$
 $E = 10.98'$
 $e = NC$
 P.C. STA. = 33+93.44
 P.T. STA. = 35+28.05

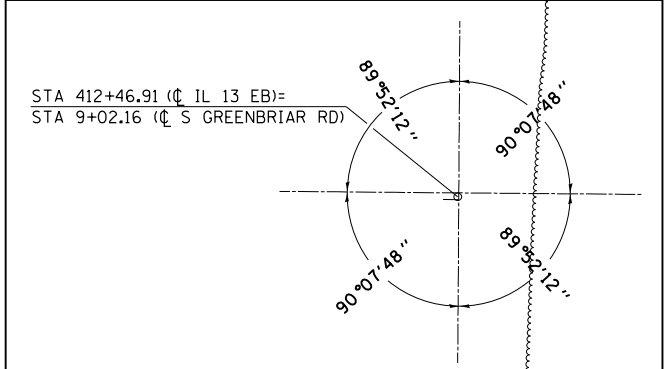
EXIST. CURVE GF3
 PI STA. = 95+94.26
 $\Delta = 25^\circ 20' 35''$ (RT)
 $D = 25^\circ 27' 53''$
 $R = 225.00'$
 $T = 50.59'$
 $L = 99.82'$
 $E = 3.62'$
 $e = 4'$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 95+43.67
 P.T. STA. = 96+43.19

EXIST. CURVE P03
 PI STA. = 39+32.04
 $\Delta = 13^\circ 29' 03''$ (LT)
 $D = 3^\circ 17' 20''$
 $R = 1,742.15'$
 $T = 205.95'$
 $L = 410.00'$
 $E = 12.13'$
 $e = -----$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 37+26.08
 P.T. STA. = 41+36.08

NE ISLAND DETAIL



DETAIL "B"



EXIST. CURVE GREENC1
 PI STA. = 5+66.42
 $\Delta = 69^\circ 00' 00''$ (LT)
 $D = 15^\circ 56' 52''$
 $R = 359.27'$
 $T = 246.92'$
 $L = 432.66'$
 $E = 76.67'$
 $e = -----$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 3+19.50
 P.T. STA. = 7+52.16

EXIST. CURVE GREENC1
 PI STA. = 419+00.00
 $\Delta = 1^\circ 44' 49''$ (LT)
 $D = 0^\circ 09' 56''$
 $R = 34,600.74'$
 $T = 527.54'$
 $L = 1,055.00'$
 $E = 4.02'$
 $e = -----$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 413+72.46
 P.T. STA. = 424+27.46

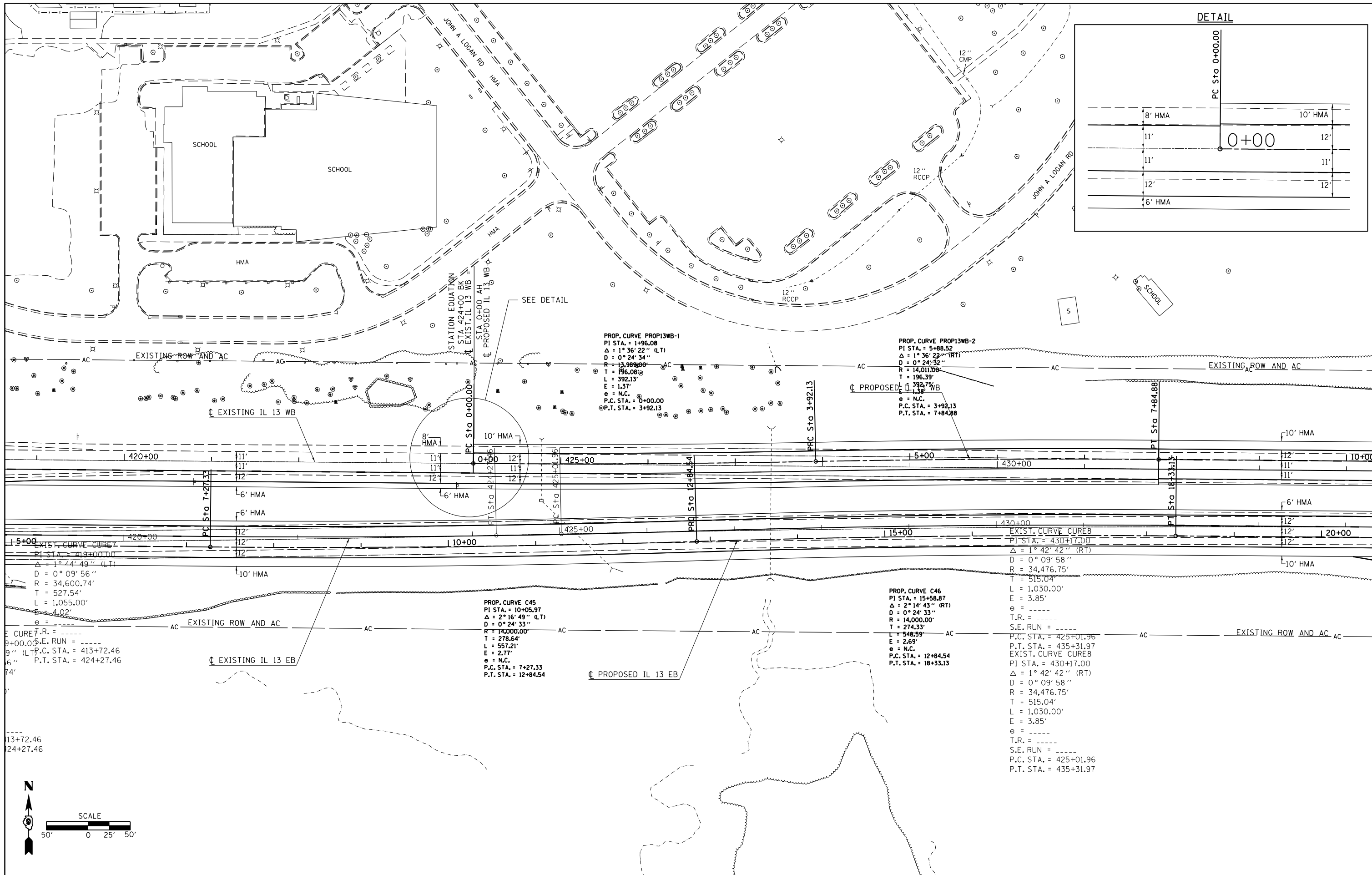
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/15/2011		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GEOMETRICS SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4R-1,N-3,TS-3	Williamson	220	83
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	



DETAIL

PC Sta 0+00.00	
8' HMA	10' HMA
11'	12'
11'	11'
12'	12'
6' HMA	

PROP. CURVE PROP13WB-1
 PI STA. = 1+96.08
 $\Delta = 1^\circ 36' 22''$ (LT)
 $D = 0^\circ 24' 34''$
 $R = 13,989.00'$
 $T = 196.08'$
 $L = 392.13'$
 $E = 1.37'$
 $e = \text{N.C.}$
 P.C. STA. = 0+00.00
 P.T. STA. = 3+92.13

PROP. CURVE PROP13WB-2
 PI STA. = 5+88.52
 $\Delta = 1^\circ 36' 23''$ (RT)
 $D = 0^\circ 24' 32''$
 $R = 14,011.00'$
 $T = 196.39'$
 $L = 392.75'$
 $E = 1.38'$
 $e = \text{N.C.}$
 P.C. STA. = 3+92.13
 P.T. STA. = 7+84.88

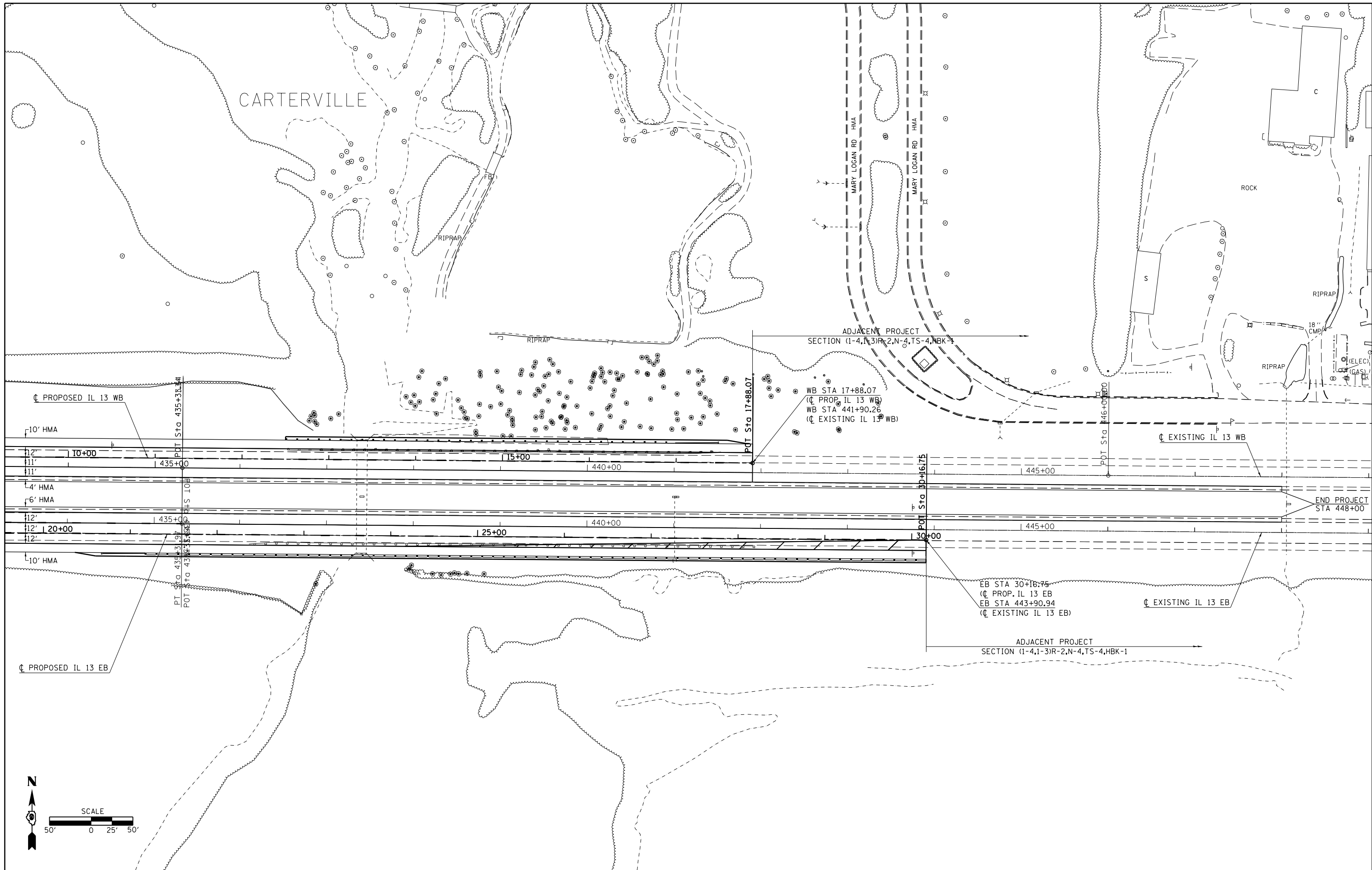
PROP. CURVE C45
 PI STA. = 10+05.97
 $\Delta = 2^\circ 16' 49''$ (LT)
 $D = 0^\circ 24' 33''$
 $R = 14,000.00'$
 $T = 278.64'$
 $L = 557.21'$
 $E = 2.77'$
 $e = \text{N.C.}$
 P.C. STA. = 7+27.33
 P.T. STA. = 12+84.54

PROP. CURVE C46
 PI STA. = 15+58.87
 $\Delta = 2^\circ 14' 43''$ (RT)
 $D = 0^\circ 24' 33''$
 $R = 14,000.00'$
 $T = 274.33'$
 $L = 548.59'$
 $E = 2.69'$
 $e = \text{N.C.}$
 P.C. STA. = 12+84.54
 P.T. STA. = 18+33.13

EXIST. CURVE CURE8
 PI STA. = 430+17.00
 $\Delta = 1^\circ 42' 42''$ (RT)
 $D = 0^\circ 09' 58''$
 $R = 34,476.75'$
 $T = 515.04'$
 $L = 1,030.00'$
 $E = 3.85'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 425+01.96
 P.T. STA. = 435+31.97

EXIST. CURVE CURE8
 PI STA. = 430+17.00
 $\Delta = 1^\circ 42' 42''$ (RT)
 $D = 0^\circ 09' 58''$
 $R = 34,476.75'$
 $T = 515.04'$
 $L = 1,030.00'$
 $E = 3.85'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 425+01.96
 P.T. STA. = 435+31.97

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOMETRICS SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78216							
PLOT DATE = 12/15/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS	STA. TO STA.						



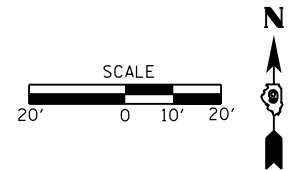
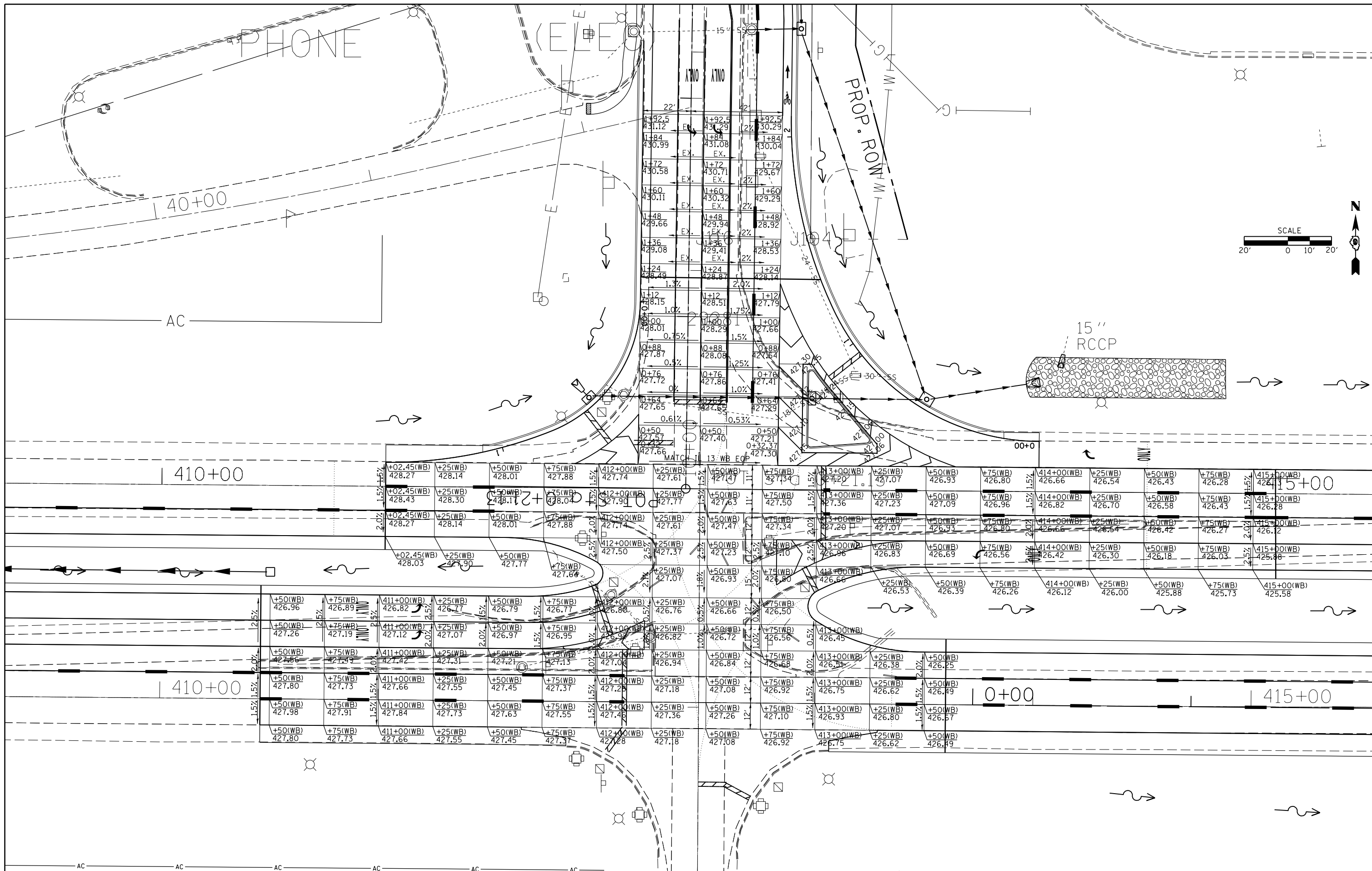
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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GEOMETRICS SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	85
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. OF SHEETS STA. TO STA.



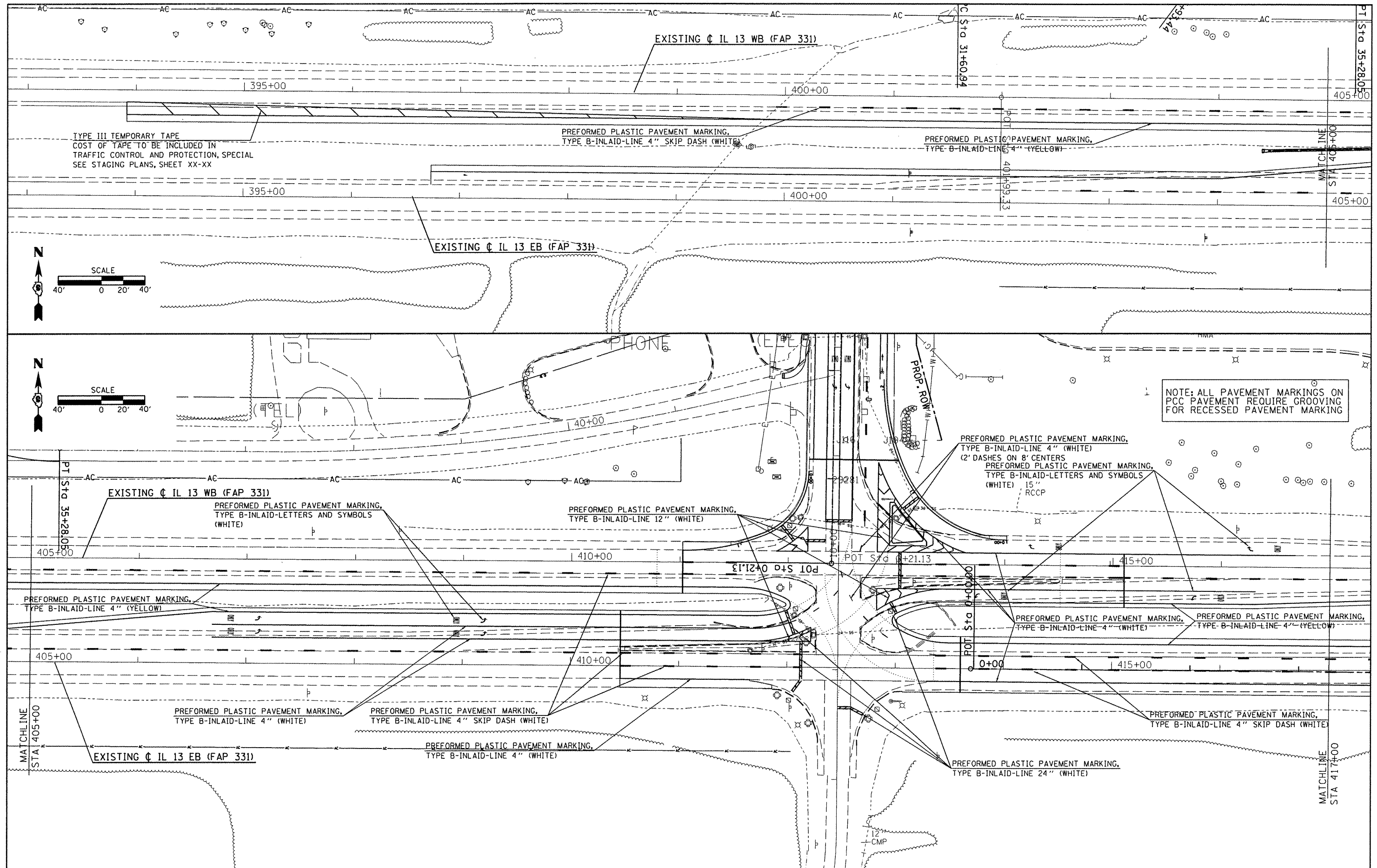
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION ELEVATIONS SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(114)WB-N6-3353	Williamson	220	87
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.



NOTE: ALL PAVEMENT MARKINGS ON PCC PAVEMENT REQUIRE GROOVING FOR RECESSED PAVEMENT MARKING

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -
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		DATE -	REVISED -

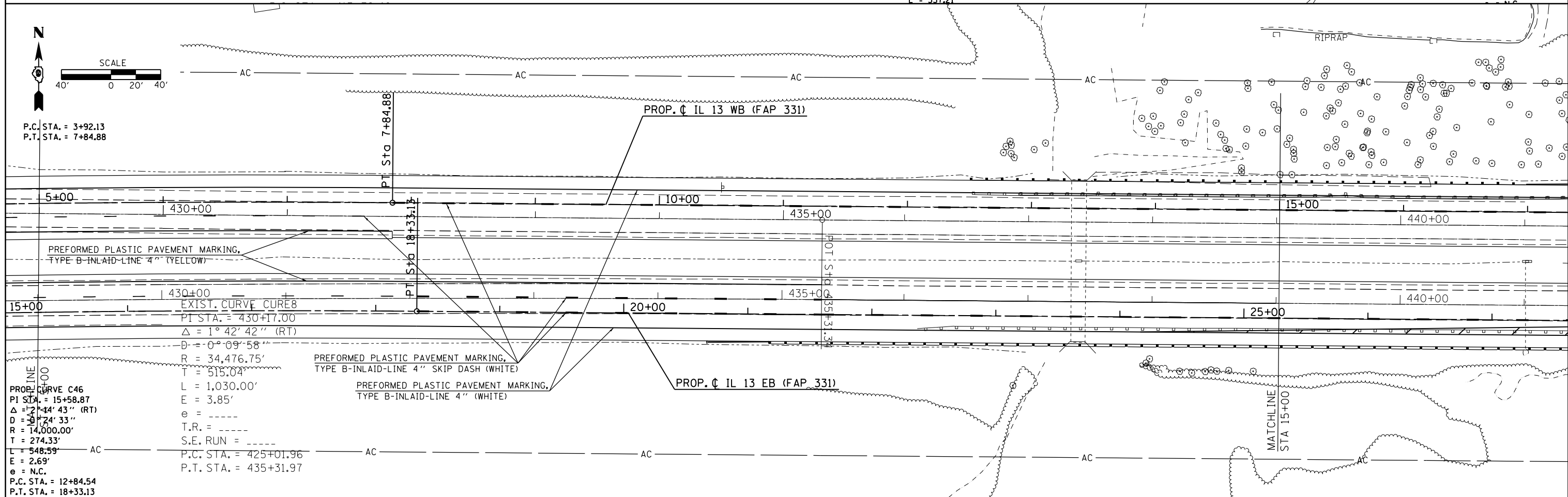
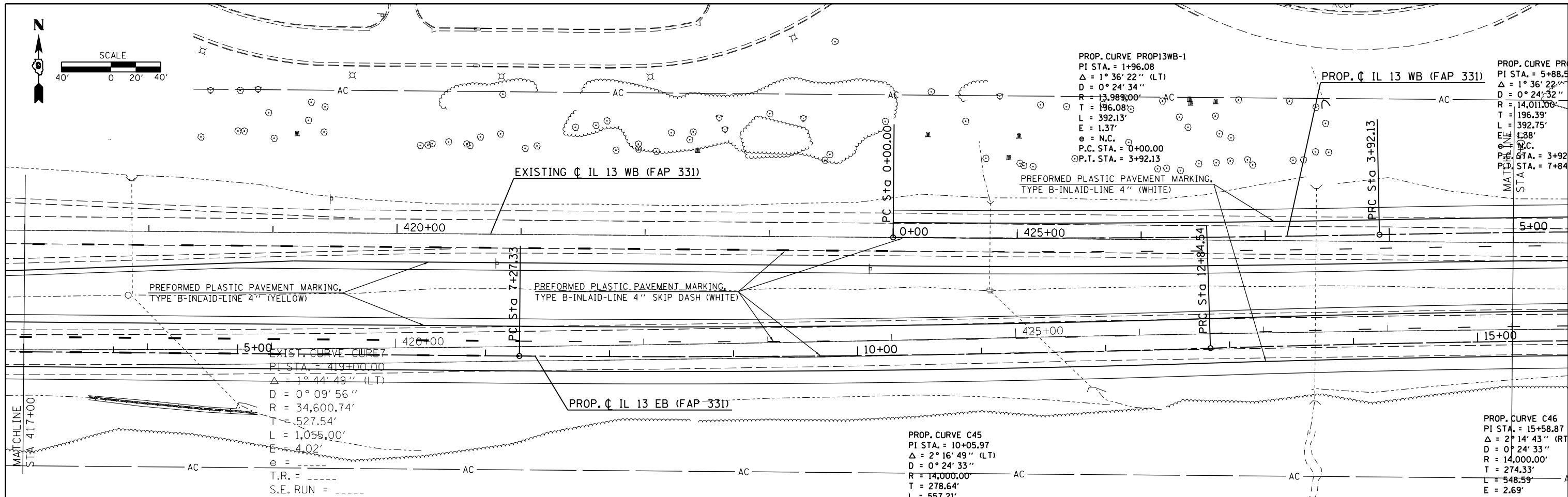
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

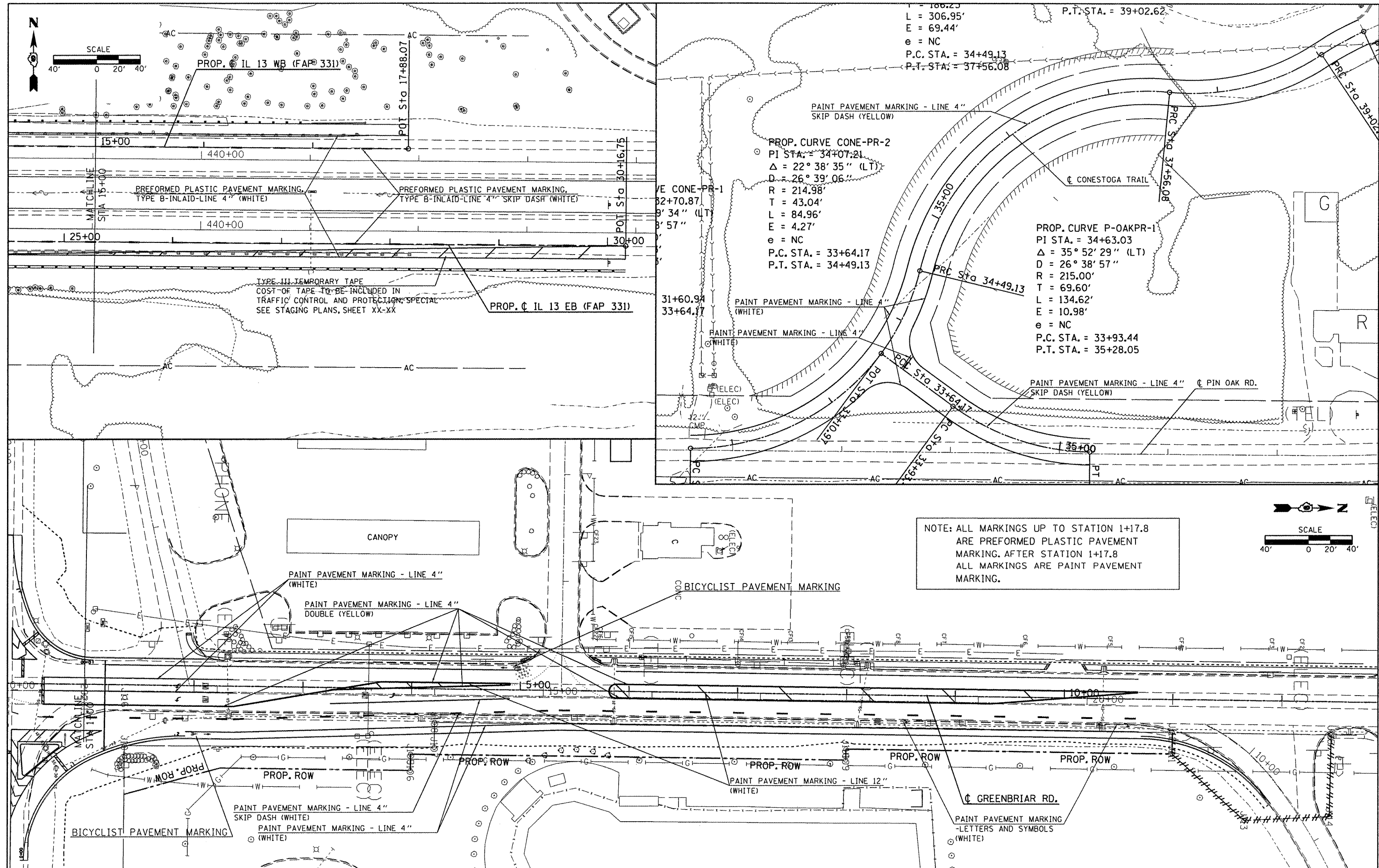
PAVEMENT MARKING SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (1-4R-1,N-3,TS-3)	COUNTY WILLIAMSON	TOTAL SHEETS 220	SHEET NO. 88
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEET			F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pwork\pwork\pwork\kellekd\0205725\78216-sht-plnprf.dgn	PLOT SCALE = 80.0000' / in.	DRAWN -	REVISED -					331	(1-4)R-1,N-3,TS-3	Williamson	220	89
PLOT DATE = 12/15/2011	DATE -	CHECKED -	REVISED -		CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.					



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 PLOT DATE = 12/22/2011

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

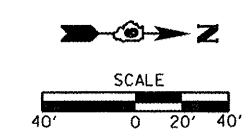
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

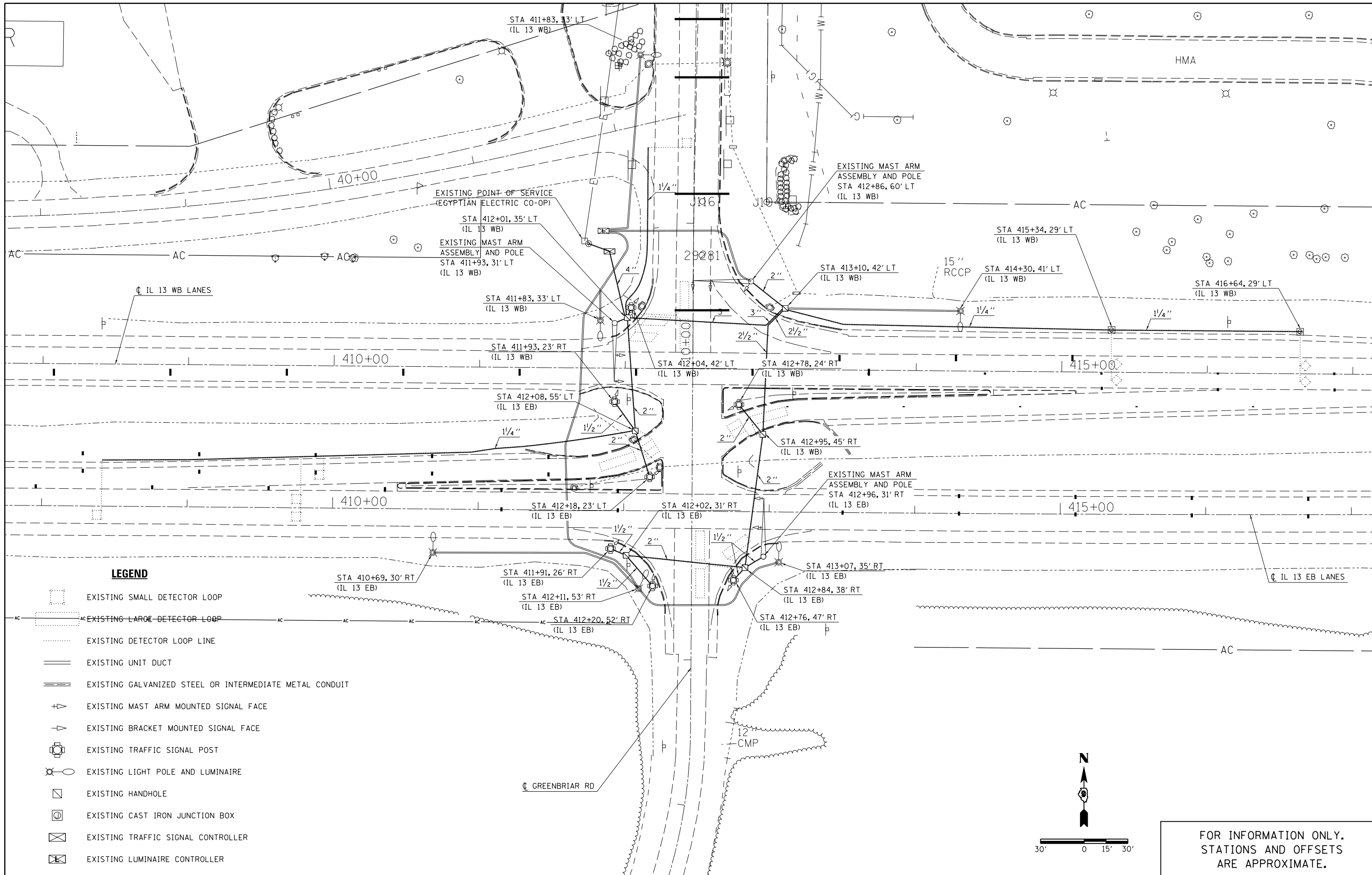
PAVEMENT MARKING SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.














F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	90
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

NOTE: ALL MARKINGS UP TO STATION 1+17.8 ARE PREFORMED PLASTIC PAVEMENT MARKING. AFTER STATION 1+17.8 ALL MARKINGS ARE PAINT PAVEMENT MARKING.





LEGEND

-  EXISTING SMALL DETECTOR LOOP
-  EXISTING LARGE DETECTOR LOOP
-  EXISTING DETECTOR LOOP LINE
-  EXISTING UNIT DUCT
-  EXISTING GALVANIZED STEEL OR INTERMEDIATE METAL CONDUIT
-  EXISTING MAST ARM MOUNTED SIGNAL FACE
-  EXISTING BRACKET MOUNTED SIGNAL FACE
-  EXISTING TRAFFIC SIGNAL POST
-  EXISTING LIGHT POLE AND LUMINAIRE
-  EXISTING HANDHOLE
-  EXISTING CAST IRON JUNCTION BOX
-  EXISTING TRAFFIC SIGNAL CONTROLLER
-  EXISTING LUMINAIRE CONTROLLER

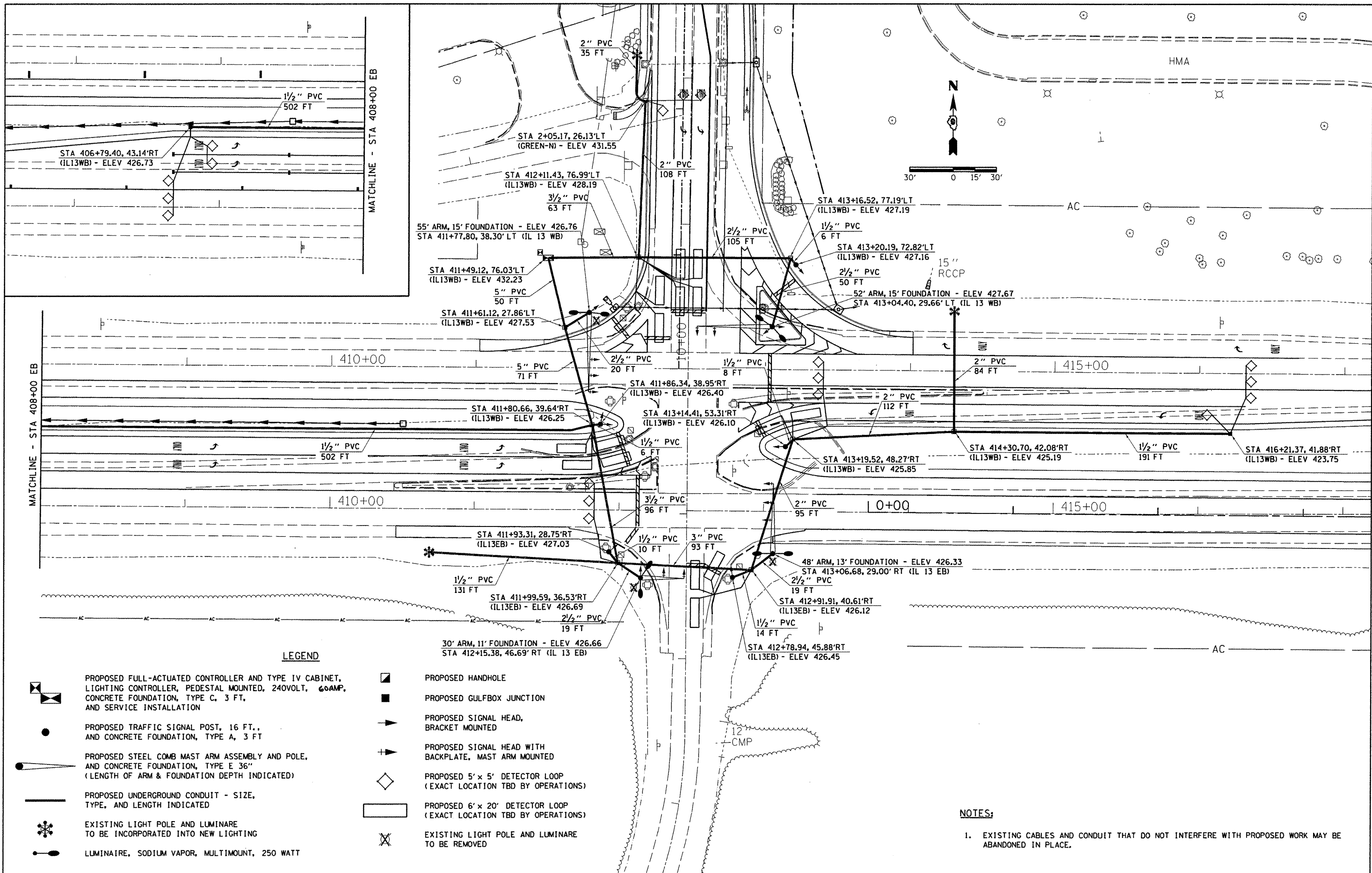
FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
et:\pwork\pwork\kellejkd\0205725\78216-sht-signal.dgn		DRAWN -	REVISED -
	PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING SIGNALS AND LIGHTING IL 13/GREENBRIAR RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	219	91
				CONTRACT NO. 78216
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY.
STATIONS AND OFFSETS
ARE APPROXIMATE.



LEGEND

- PROPOSED FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP, CONCRETE FOUNDATION, TYPE C, 3 FT. AND SERVICE INSTALLATION
- PROPOSED TRAFFIC SIGNAL POST, 16 FT., AND CONCRETE FOUNDATION, TYPE A, 3 FT.
- PROPOSED STEEL COMB MAST ARM ASSEMBLY AND POLE, AND CONCRETE FOUNDATION, TYPE E 36" (LENGTH OF ARM & FOUNDATION DEPTH INDICATED)
- PROPOSED UNDERGROUND CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- EXISTING LIGHT POLE AND LUMINAIRE TO BE INCORPORATED INTO NEW LIGHTING
- LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 250 WATT
- PROPOSED HANDHOLE
- PROPOSED GULFBOX JUNCTION
- PROPOSED SIGNAL HEAD, BRACKET MOUNTED
- PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED 5' x 5' DETECTOR LOOP (EXACT LOCATION TBD BY OPERATIONS)
- PROPOSED 6' x 20' DETECTOR LOOP (EXACT LOCATION TBD BY OPERATIONS)
- EXISTING LIGHT POLE AND LUMINAIRE TO BE REMOVED

NOTES:

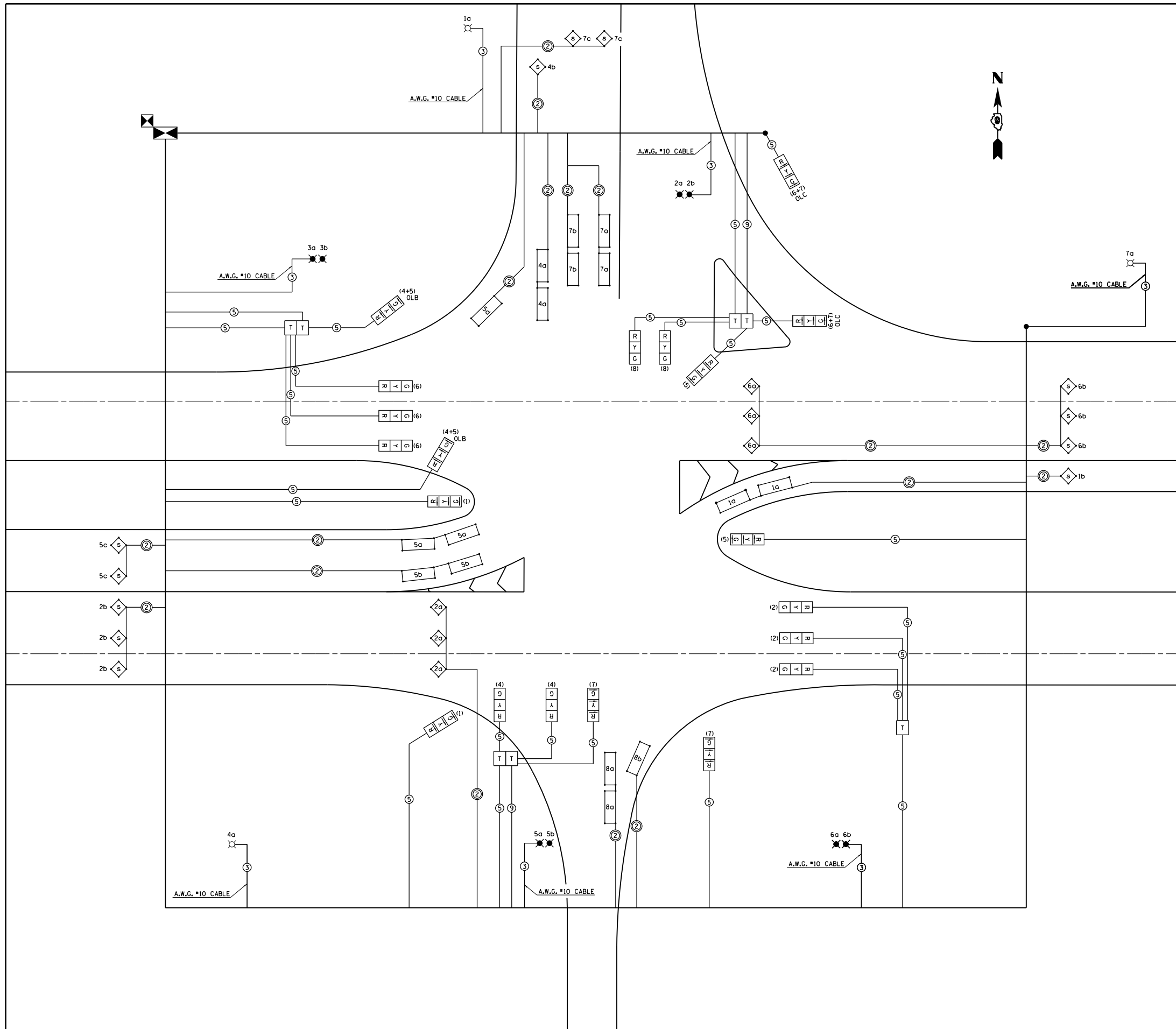
1. EXISTING CABLES AND CONDUIT THAT DO NOT INTERFERE WITH PROPOSED WORK MAY BE ABANDONED IN PLACE.

FILE NAME =	USER NAME = kellykd	DESIGNED -	REVISED -
c:\pwwork\pwwork\kellykd\0205725\782	g:\sht-signal.dgn	DRAWN -	REVISED -
	PLOT SCALE = 60.0000' = 1"	CHECKED -	REVISED -
	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC SIGNALS AND LIGHTING IL 13 /GREENBRIAR RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4R-1,N-3,TS-3	Williamson	219	92
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	



NOTES

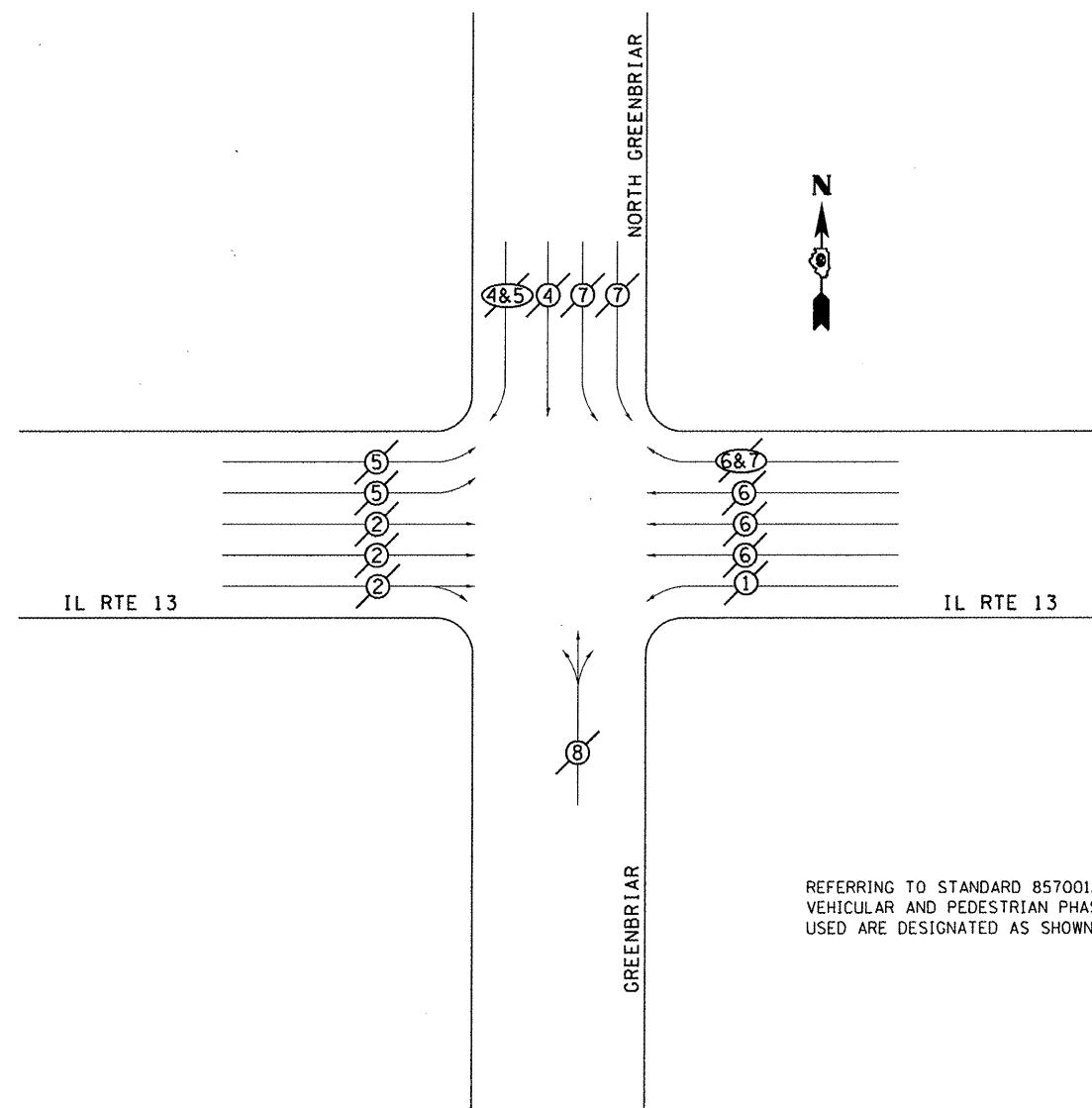
1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE IS SUPPLIED BY EGYPTIAN ELECTRIC CO-OP.
3. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE STEEL COMB. MAST ARM ASSEMBLY AND POLE DETAIL.
4. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR).
5. ALL SIGNAL LENSES SHALL BE 12 INCHES.

LEGEND

- T TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- *
*
 TWIN TENON FOR TWO LUMINAIRES. NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- G 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- *
 TRAFFIC SIGNAL CONTROLLER CABINET
- *
 LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V, 60A
- 2 INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT
- 5 NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
- 2a 5' x 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 8c 6' x 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 2a 5' x 5' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- *
 EXISTING LIGHT POLE AND LUMINAIRE TO BE INCORPORATED INTO NEW LIGHTING

FILE NAME =	USER NAME = kellekd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE DIAGRAM IL 13 / GREENBRIAR RD.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\kellekd\0205725\78216-sht-signal.dgn		DRAWN -	REVISED -		331	(1-4)R-1,N-3,TS-3	Williamson	219	93	CONTRACT NO. 78216	
PLOT SCALE = 60.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/15/2011		DATE -	REVISED -								

**PHASE DESIGNATION DIAGRAM
IL RTE 13 WITH GREENBRIAR RD**



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

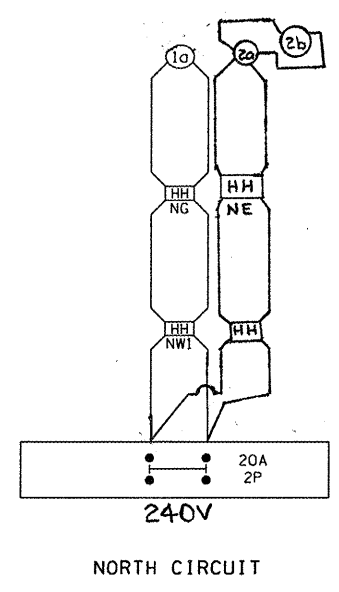
LEGEND

- VEHICULAR MOVEMENT
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

REVISIONS	
DRAWN	1-31-90
REVISED	5-30-90
REVISED	12-18-01
REVISED	3-27-08

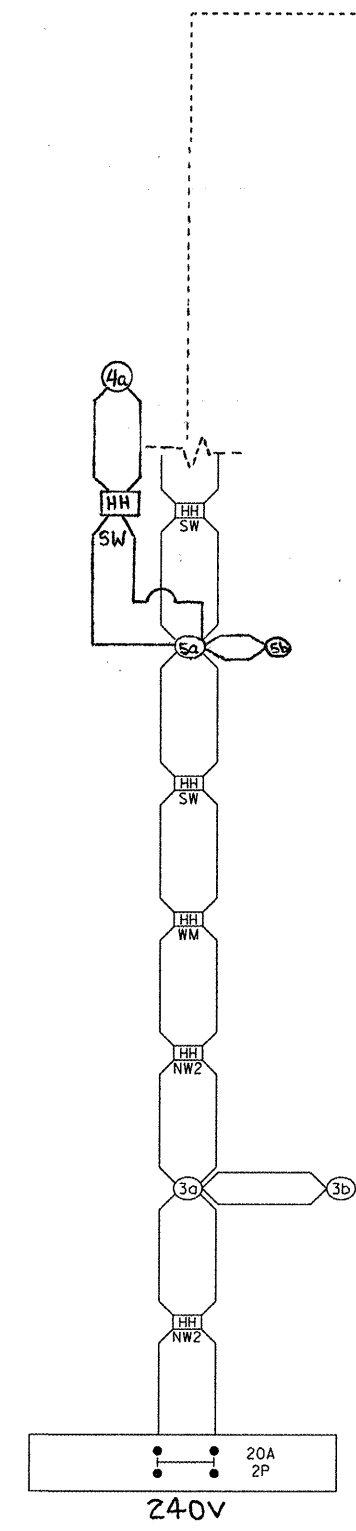
STD. 9-66

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

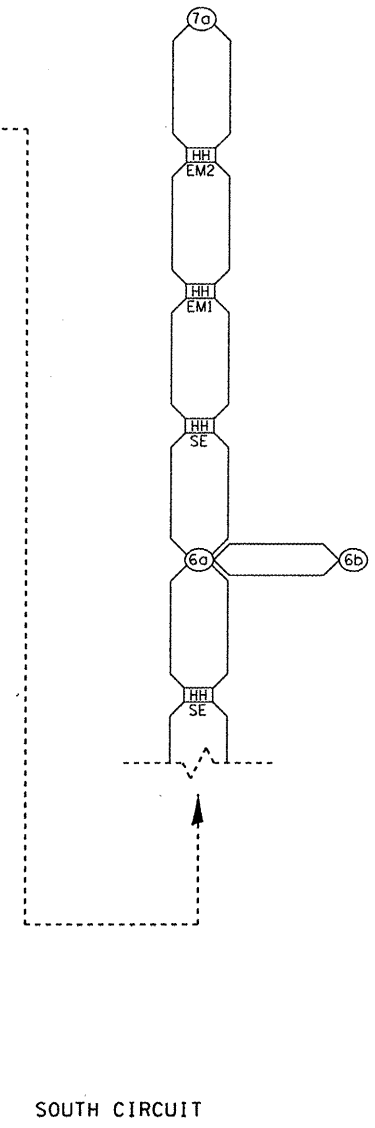


NORTH CIRCUIT

- NW1 NORTHWEST CORNER
STA 412+11.43 77'LT
- NE NORTHEAST CORNER
STA 413+16.52 77'LT
- NG NORTH GREENBRIAR
STA 2+05.17 26'LT



PROPOSED CONTROL INSTALLATION
LIGHTING CONTROLLER, PEDESTAL MOUNTED
60 AMP - 240 VOLT



SOUTH CIRCUIT

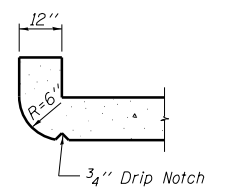
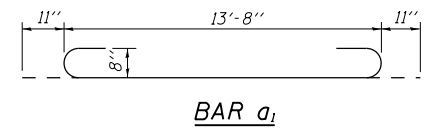
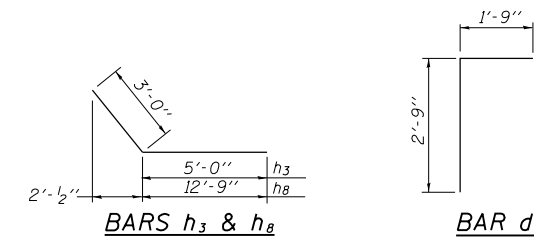
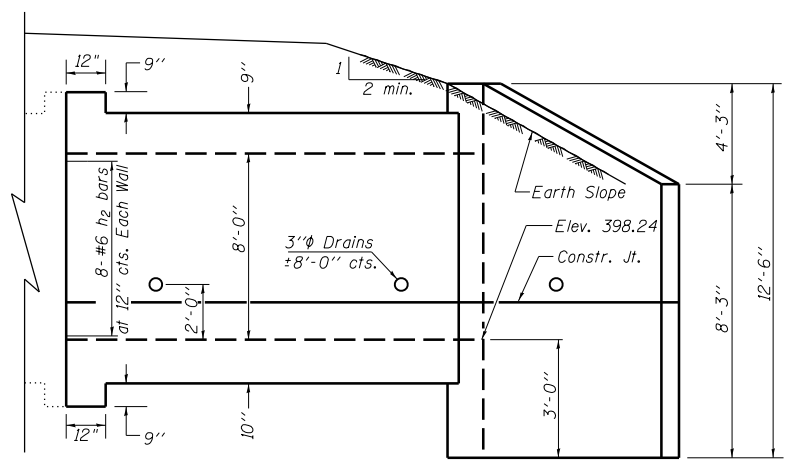
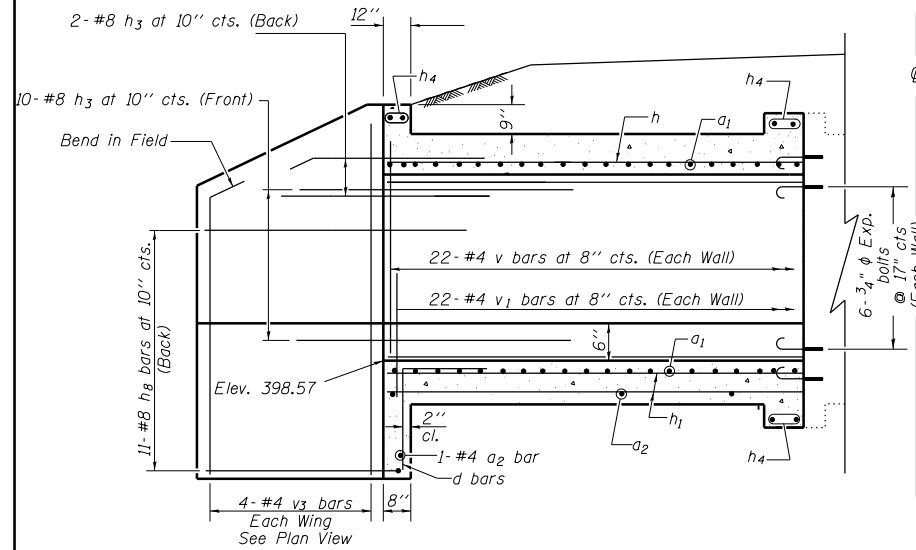
- NW2 NORTHWEST CORNER
STA 411+61.12 28'LT
- WM WEST MEDIAN
STA 411+80.66 40'RT
- SW SOUTHWEST CORNER
STA 411+99.59 37'RT
- SE SOUTHEAST CORNER
STA 412+91.91 41'RT
- EM1 EAST MEDIAN
STA 413+19.52 48'RT
- EM2 EAST MEDIAN
STA 414+30.70 42'RT

FILE NAME =	USER NAME = kelleykd	DESIGNED -	REVISED -
ct:\pwwork\pwwork\kelleykd\0205725\782	g-sht-signal.dgn	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / 1"		CHECKED -	REVISED -
PLOT DATE = 12/15/2011		DATE -	REVISED -

PHASE DESIGNATION DIAGRAM & LIGHTING WIRING			
IL 13 / GREENBRIAR RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

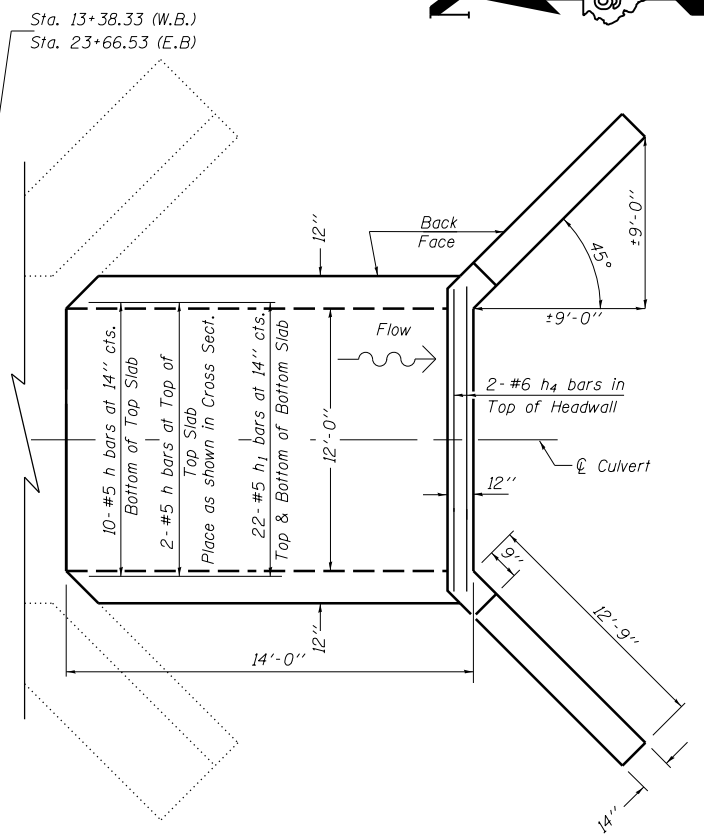
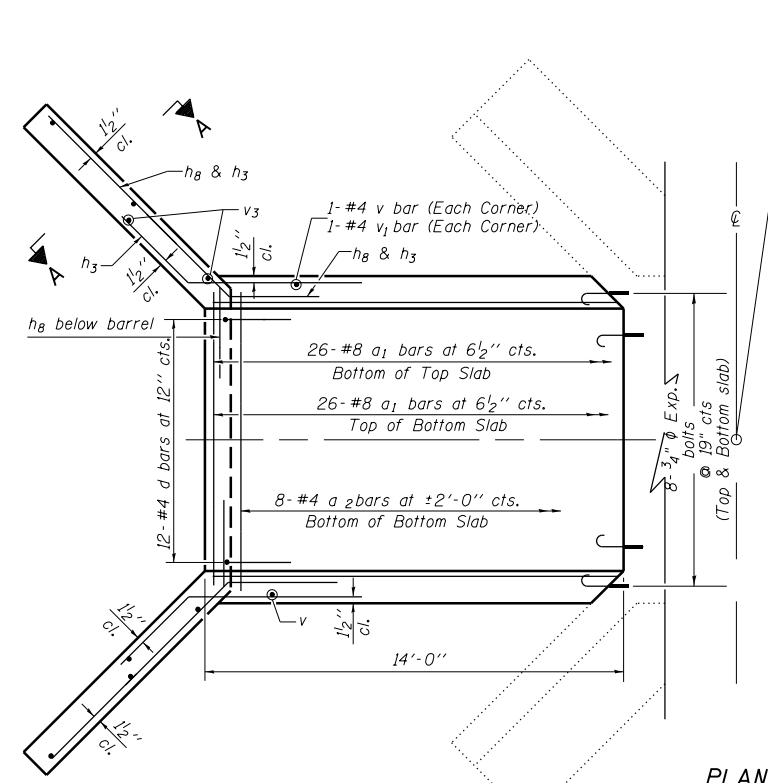
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	219	94
				CONTRACT NO. 78216
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

Dimensions at Rt. L's to ϕ Roadway



PLAN

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.
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

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

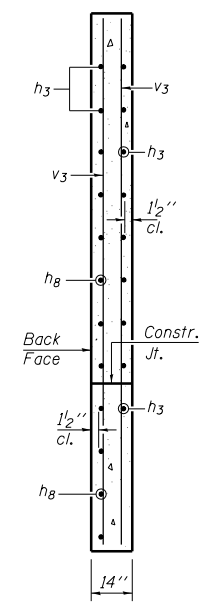
DESIGN STRESSES

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

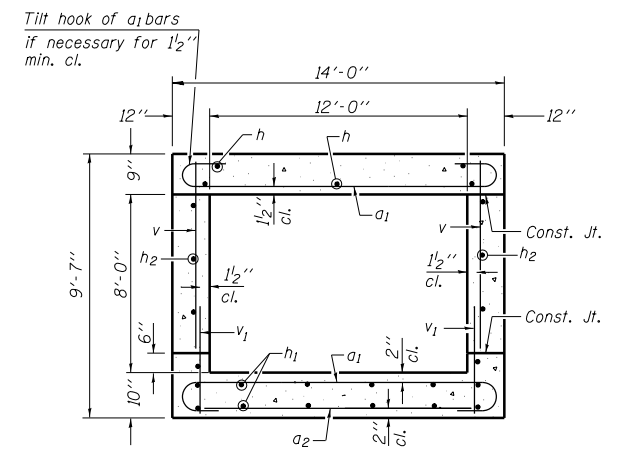
LOADING HS 20-44 & ALT.

*BILL OF MATERIAL
(both extensions)

Bar	No.	Size	Length	Shape
a1	104	#8	15'-6"	C
a2	18	#4	13'-8"	—
d	24	#4	4'-6"	L
h	24	#5	13'-8"	—
h1	44	#5	13'-8"	—
h2	32	#6	13'-8"	—
h3	48	#8	8'-0"	—
h4	12	#6	13'-8"	—
h8	44	#8	15'-9"	—
v	92	#4	8'-1"	—
v1	92	#4	2'-4"	—
v3	16	#4	12'-2"	—
Concrete Box Culverts	Cu. Yd.	64.8		
Reinforcement Bars, Epoxy Coated	Pound	10,060		
3/4" Expansion bolts	Each	28		



SECTION A-A



SECTION THRU BARREL

REVISIONS

DRAWN	2-04
REVISED	5-09 SHT CELL
REVISED	
REVISED	

BASED ON: SSB-H-0 6-1-2000

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 12/15/2011		DATE -	REVISED -

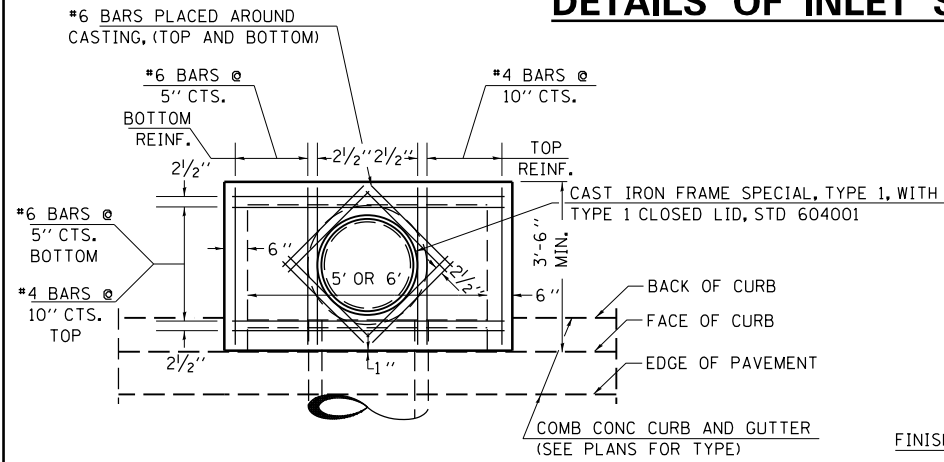
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT EXT. STA. 13+38.33(WB) & 23+66.53(EB)
12' X 8', SKEW 0° EXTEND 14'- 0"

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	219	95
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

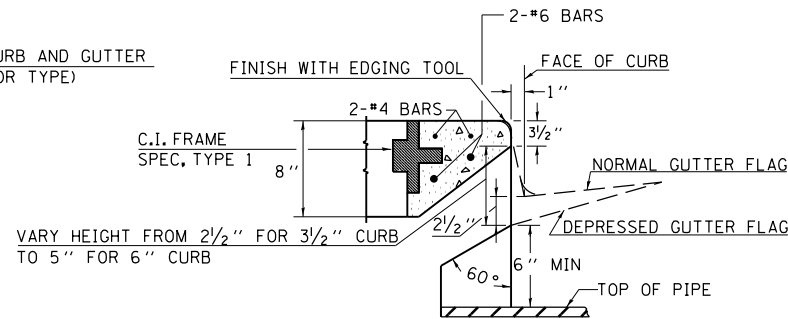
DETAILS OF INLET SPECIAL



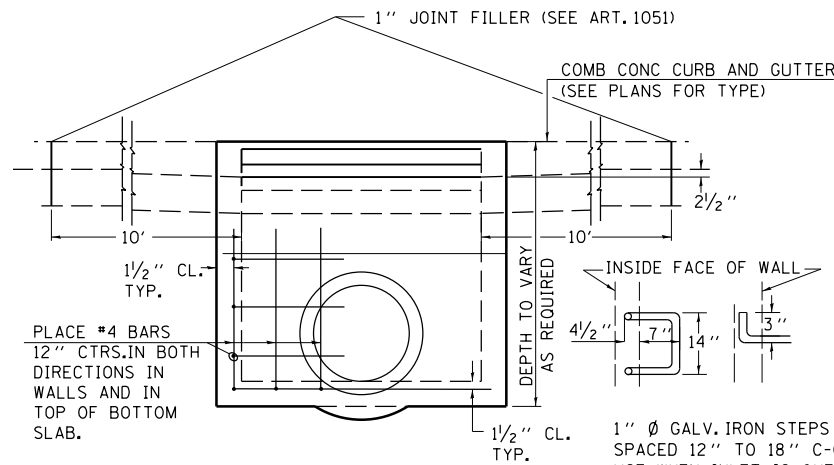
PLAN

CAST IRON FRAME SPECIAL, TYPE 1, WITH TYPE 1 CLOSED LID, STD 604001

BACK OF CURB
FACE OF CURB
EDGE OF PAVEMENT
COMB CONC CURB AND GUTTER (SEE PLANS FOR TYPE)



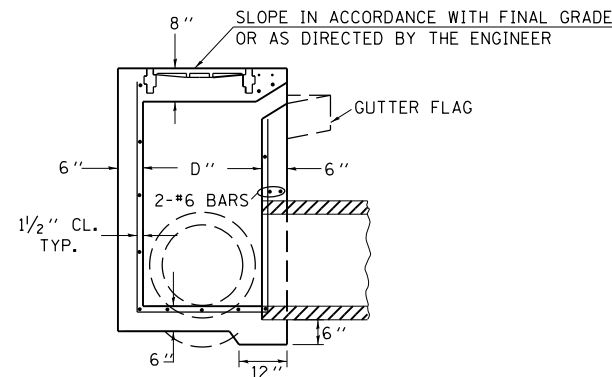
SECTION AT WEIR



ELEVATION

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

1" Ø GALV. IRON STEPS **
SPACED 12" TO 18" C-C.
USE WHEN INLET IS OVER
4' DEEP.



SECTION

NOTE TO DESIGNER:

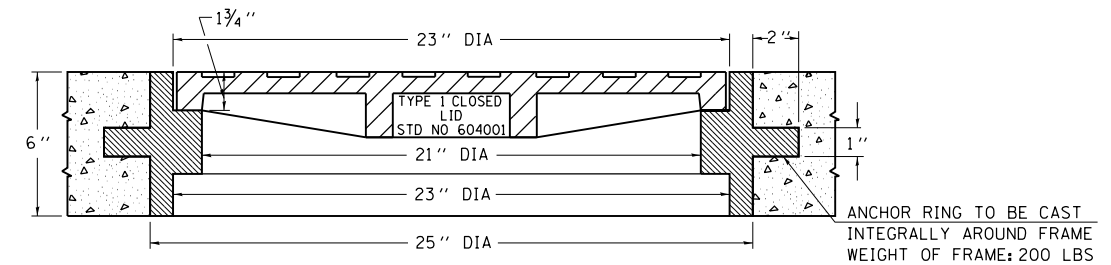
WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	1-19-99
REVISED	5-6-04
RESIZED	5-6-08

STD. 9-1

DETAILS OF CAST IRON FRAMES SPECIAL TYPE 1 WITH TYPE 1 CLOSED LID

TYPE 1



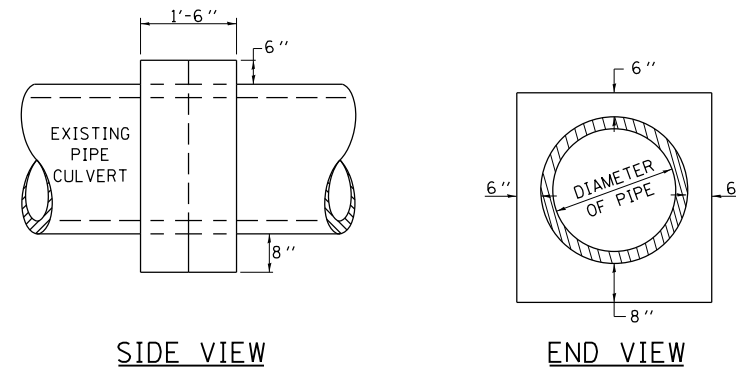
ANCHOR RING TO BE CAST
INTEGRALLY AROUND FRAME
WEIGHT OF FRAME: 200 LBS

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

REVISIONS	
REDRAWN	2-15-89
REVISED	12-14-01
REVISED	
REVISED	

STD. 9-18

DETAILS OF CONCRETE COLLAR PIPE TO PIPE



SIDE VIEW

END VIEW

TABULATION

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

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

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

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

STD. 9-79

FILE NAME =	USER NAME = kellejkd	DESIGNED -	REVISED -
es:\pwwork\pwwidot\kellejkd\0205725\78216-sht-misc.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

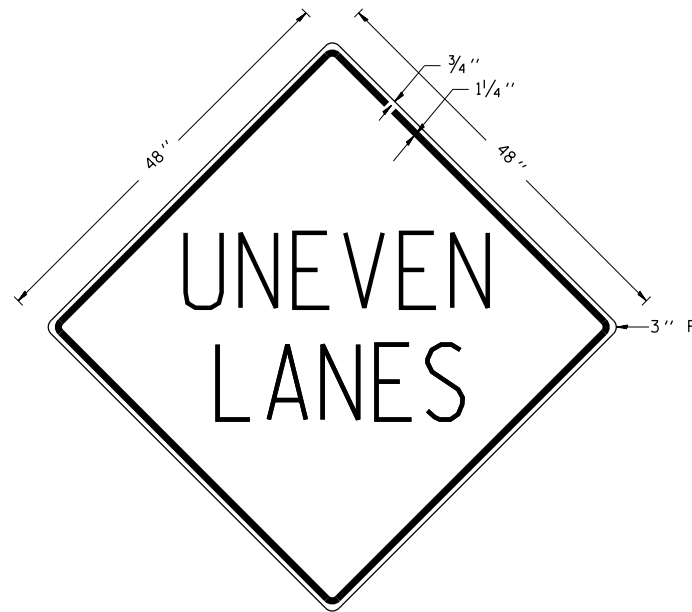
**DETAIL : INLET SPECIAL ; CAST IRON FRAME, SPECIAL,
TYPE 1 WITH TYPE 1 CLOSED LID ; CONCRETE COLLAR PIPE TO PIPE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	96
				CONTRACT NO. 78216
ILLINOIS FED. AID PROJECT				

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

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

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

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

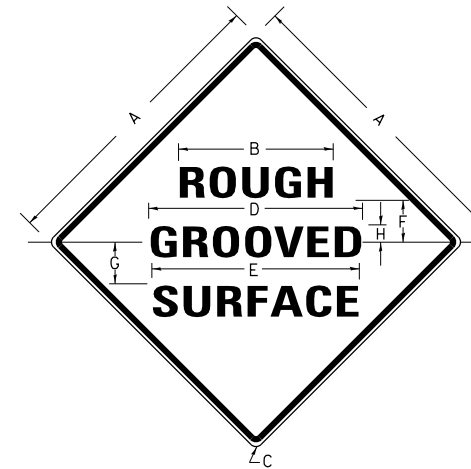
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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

STD. 9-41

ILLINOIS STANDARD

W8-I106



COLORS:

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

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR- GIN	BOR- DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

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

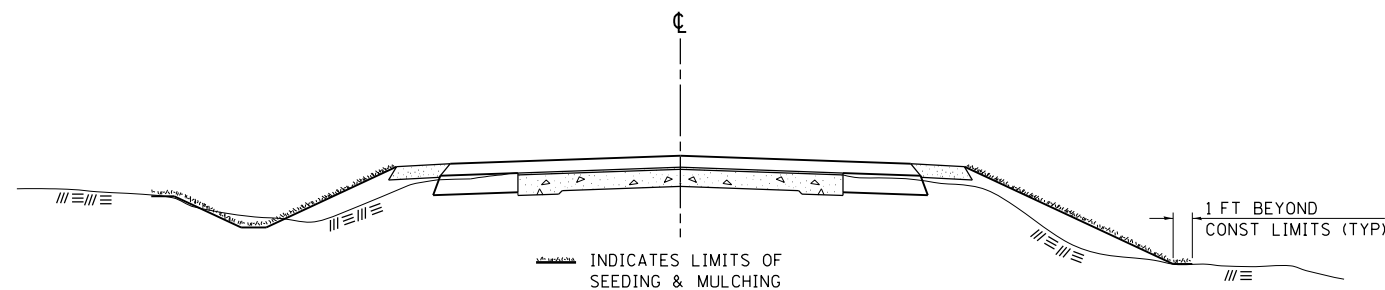
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVISED	

STD. 9-39

SEEDING & MULCHING



GENERAL NOTES

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

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

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

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

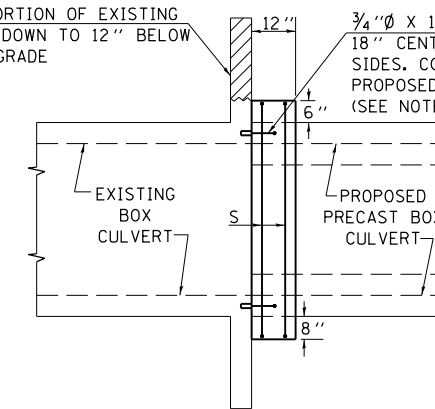
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REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08

STD. 9-12

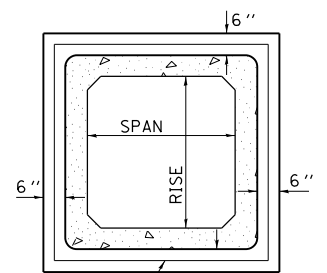
DETAILS OF CONCRETE COLLAR FOR PRECAST BOX CULVERT

REMOVE PORTION OF EXISTING HEADWALL DOWN TO 12" BELOW FINISHED GRADE

3/4" Ø x 18" EXPANSION BOLTS AT 18" CENTERS TYPICAL ALL FOUR SIDES. COST INCLUDED IN THE PROPOSED PRECAST BOX CULVERT. (SEE NOTE BELOW)



SIDE VIEW



2 - #5 S BARS TYPICAL
COST INCLUDED IN THE PROPOSED PRECAST BOX CULVERT.

END VIEW

THE CONCRETE COLLAR SHALL BE CONSIDERED INCLUDED IN PRECAST CONCRETE BOX CULVERT, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

NOTE:

ANCHOR BOLTS, MEETING THE REQUIREMENTS OF ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS, SHALL EXTEND A MINIMUM OF 9 INCHES INTO THE NEW CONCRETE. EXPANSION SHIELDS SHALL PROVIDE A MINIMUM CERTIFIED PROOF LOAD OF 4080 POUNDS.

TABULATION

(FOR INFORMATION PURPOSES ONLY)

SPAN X RISE	CLASS SI CONC. CU. YD. (EST.)
2' X 2'	0.26
3' X 2'	0.30
3' X 3'	0.34
4' X 2'	0.36
4' X 3'	0.39
4' X 4'	0.43
5' X 2'	0.41
5' X 3'	0.45
5' X 4'	0.49
6' X 2'	0.47
6' X 3'	0.51
6' X 4'	0.54

REVISIONS			
DRAWN	8-15-89	REVISED	12-17-01
REVISED	2-15-90	REVISED	3-26-08
REVISED	8-10-90	REVISED	
REVISED	8-19-94	REVISED	

STD. 9-45

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		DATE -	REVISED -

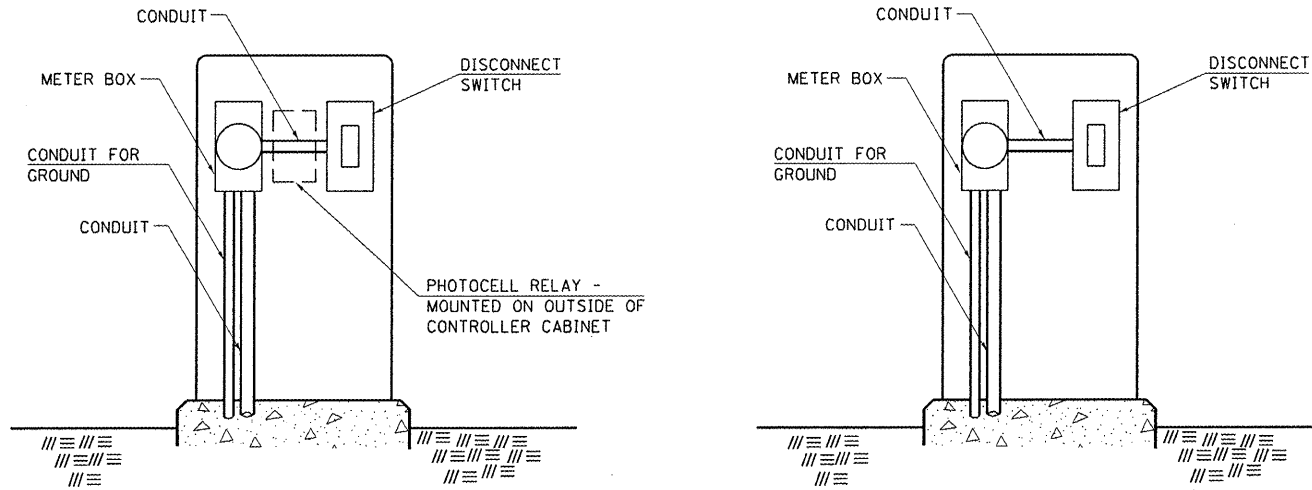
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL: UNEVEN LANES; ROUGH GROOVED SURFACE;
SEEDING AND MULCHING; CONCRETE COLLAR FOR PRECAST BOX CULVERT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	97
CONTRACT NO. 78216			ILLINOIS FED. AID PROJECT	

SERVICE INSTALLATION DETAILS



SERVICE INSTALLATION (SPECIAL)
WITH PHOTOCELL RELAY

SERVICE INSTALLATION (SPECIAL)

NOTE:
MATERIAL AND SIZE OF CONDUIT
AND CABLE AS REQUIRED BY
UTILITY COMPANY

REVISIONS	
DRAWN	1-31-90
REVISED	2-24-92
RESIZED	5-7-08

REVISIONS	
REDRAWN	5-13-02
REVISED	10-27-05
REVISED	3-26-08
REVISED	

STD. 9-68

STD. 9-92

DETAIL OF DETECTOR LOOPS

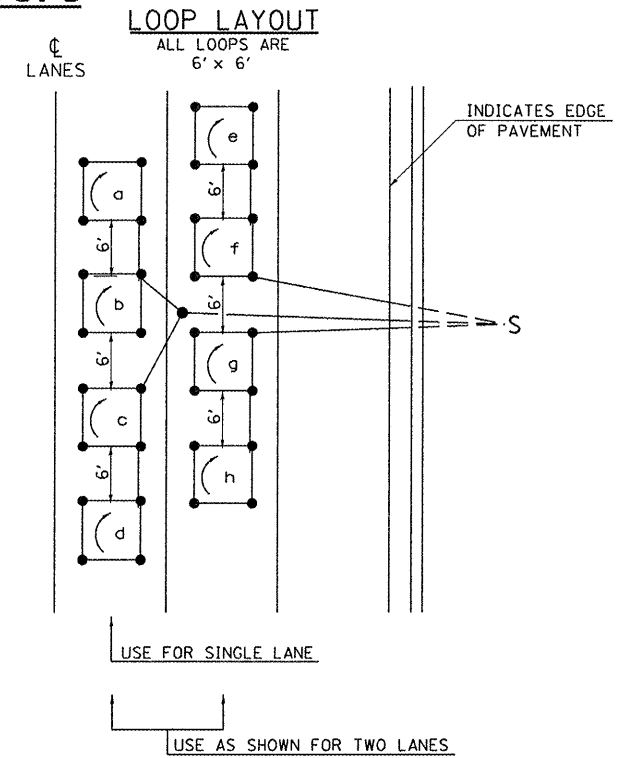
NOTES

(APPLIES TO 6' x 6' LOOPS ONLY)

1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
3. WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

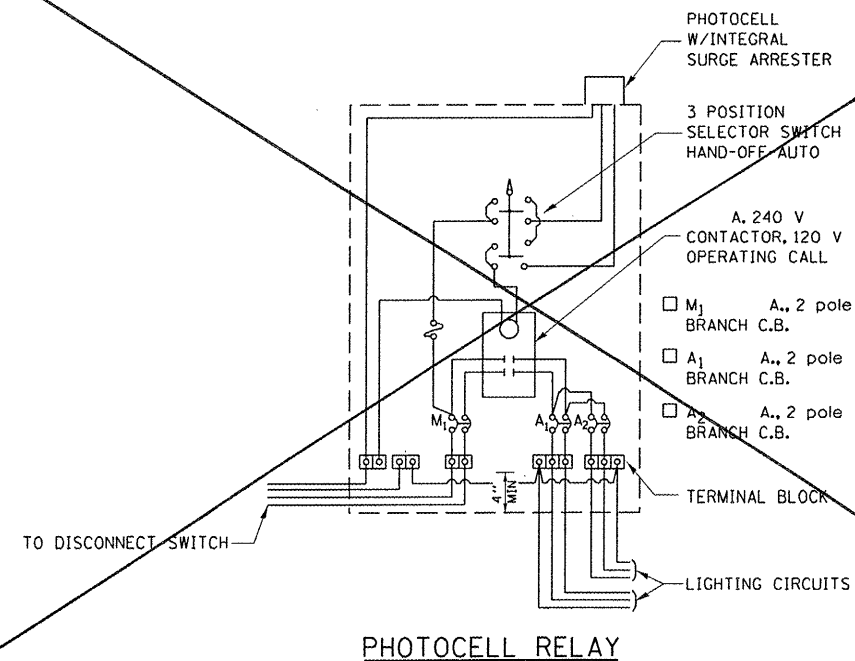
LOOP LEGEND

- () CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL



DETAIL 6' x 6' DETECTOR LOOPS

OUTDOOR LIGHTING CONTROL CABINET (GROUND MOUNT CABINET ONLY)

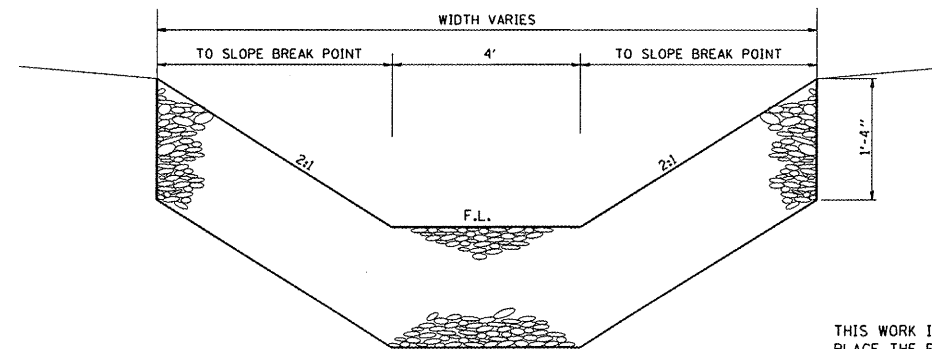


PHOTOCELL RELAY

REVISIONS	
DRAWN	5-18-90
REVISED	5-13-02
REVISED	3-26-08
REVISED	

STD. 9-76

TYPICAL DETAIL OF STONE RIPRAP DITCH LINING



NOTES

- THIS WORK INCLUDES THE EARTH EXCAVATION REQUIRED TO PLACE THE RIPRAP AS SHOWN. THE MATERIAL RESULTING FROM THE EARTH EXCAVATION SHALL BE PLACED IN THE ROADWAY EMBANKMENT, OR WASTED AS DIRECTED BY THE ENGINEER. THE EARTHWORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DITCH.
- THE RIPRAP DITCH SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. CONSTRUCTION OF THE STONE RIPRAP DITCH SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A4 RIPRAP AS INDICATED IN SECTION 281 OF STANDARD SPECIFICATIONS.
- THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SO YD FOR **STONE RIPRAP, CLASS A4**, WHICH PRICE SHALL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK IN PLACE AS SHOWN.
- BEDDING MATERIAL AND FILTER FABRIC AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.

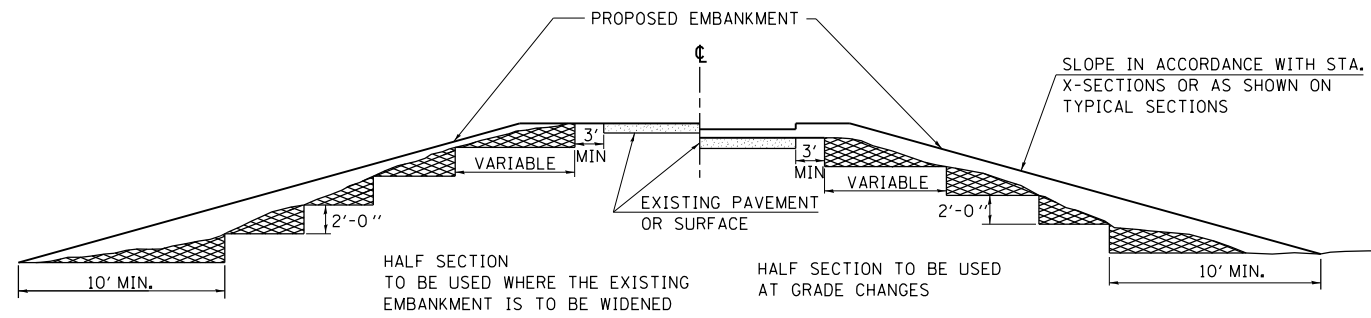
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	PLOT DATE = 12/15/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4R-1,N-3,T5-3	Williamson	220	98
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



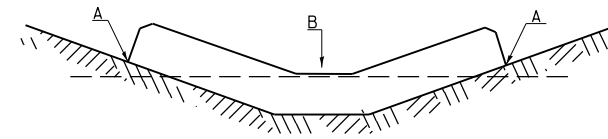
MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

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

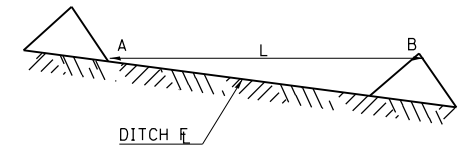
STD. 9-16

TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



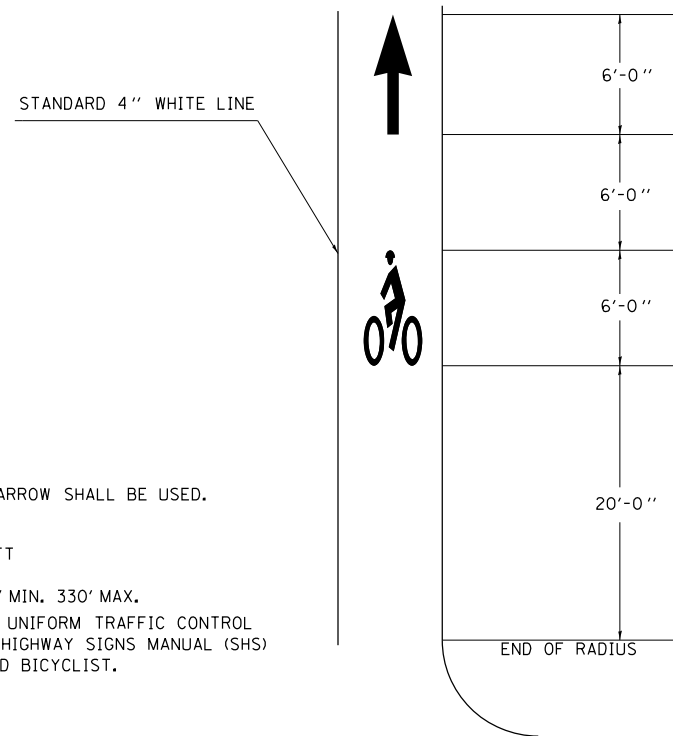
SPACING BETWEEN TEMPORARY DITCH CHECKS



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

STD. 9-108

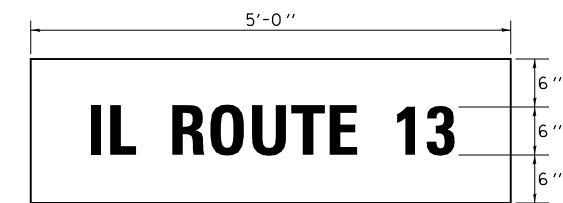
HELMETED BICYCLIST SYMBOL



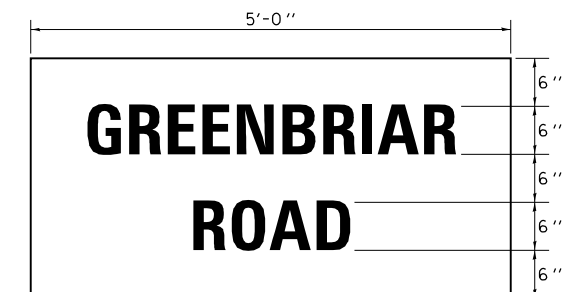
NOTES:

THE STANDARD SMALL THROUGH ARROW SHALL BE USED.
 ARROW = 6.5 SQ FT
 HELMETED BICYCLIST = 7.0 SQ FT
 SPACING BETWEEN SYMBOLS: 120' MIN. 330' MAX.
 REFER TO THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND STANDARD HIGHWAY SIGNS MANUAL (SHS) FOR DIMENSIONS OF THE HELMETED BICYCLIST.

SIGN PANEL DETAILS



SIGN PANEL - TYPE 1
5'-0" x 1'-6"
NE & SW MAST ARMS



SIGN PANEL - TYPE 2
5'-0" x 2'-6"
NW & SE MAST ARMS

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	PLOT DATE = 12/15/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL: STEP CONSTRUCTION ON EX FILL; TEMP DITCH CHECKS;
HELMETED BICYCLIST SYMBOL; SIGN PANEL DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,TS-3	Williamson	220	99
CONTRACT NO. 78216				
ILLINOIS FED. AID PROJECT				

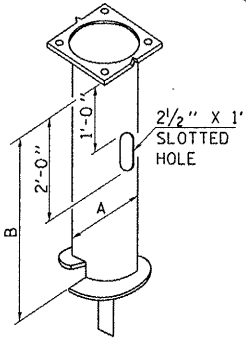
LIGHT POLE FOUNDATION

BOLT CIRCLE	A	B	MOUNTING HEIGHT
1'-3"	10"	6'-0"	45'-0" OR 50'-0"*
1'-3"	8"	6'-0"	45'-0"
11"	8"	6'-0"	40'-0" OR LESS

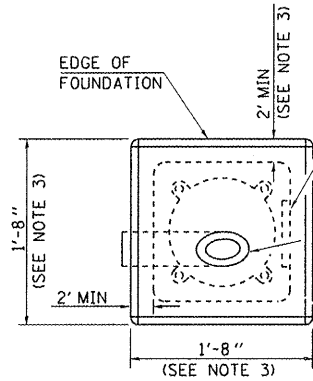
HEIGHT	DEPTH	BOLT CIRCLE
30'-0"	5'-0"	11"
31'-0" - 35'-0"	6'-0"	11"
36'-0" - 40'-0"	7'-0"	1'-3"
41'-0" - 45'-0"	7'-6"	1'-3"
46'-0" - 50'-0"	8'-0"	1'-3"

* FOR USE ON POLES W/TWIN TENON

** MINIMUM TORQUE REQ'D TO INSTALL FOUNDATIONS SHALL BE 5,000 LBS

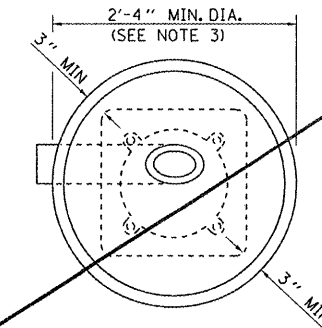


STEEL POLE FOUNDATION

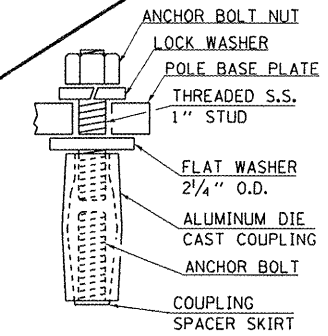


PLACE DOOR ON WIREWAY SIDE. WIREWAY MAY BE ON FRONT, BACK, OR SIDE OF FOUNDATION AS REQUIRED BY THE TRENCHING WHICH SHOULD PERMIT UNIT DUCT TO HAVE AS FEW BENDS AS ARE PRACTICAL.

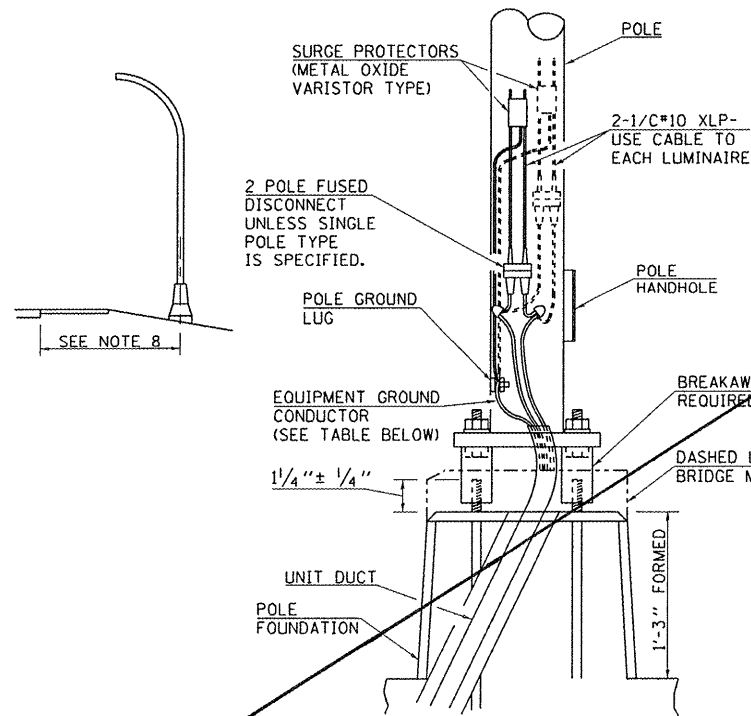
TOP OF FIBER DUCT SHALL BE FLUSH WITH THE TIP OF FOUNDATION FOR DRAINAGE. 5" I.D. TYPE I FIBER OR POLY-STYRENE DUCT WIRING WINDOW.



ALT. FOUNDATION



TYP. COUPLING



BREAKER SIZE	CONDUCTOR SIZE
30 AMP.	#10 COPPER
40 AMP.	#10 COPPER
60 AMP.	#10 COPPER
100 AMP.	#8 COPPER

NOTES:

ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT.

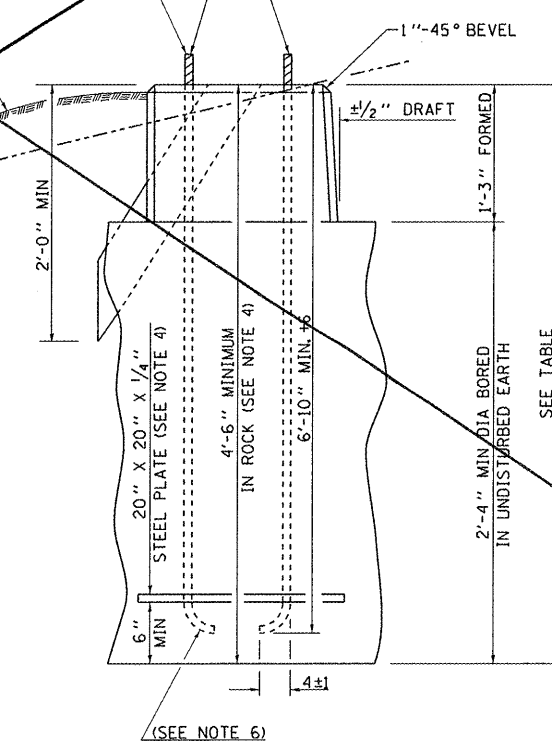
INSTALLATION INSTRUCTIONS:

SCREW COUPLINGS ON TO ANCHOR BOLTS TO END OF THREADS, LEVEL COUPLINGS, VERY IMPORTANT, AS COUPLINGS WILL BECOME OVER-STRESSED AND EITHER CRACK OR STRIP THREADS INSIDE COUPLING.

ANCHOR BOLT SHALL EXTEND THROUGH NUT 3/8" TO 1". USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCK-WASHER. LENGTH ABOVE FOUNDATION SHALL BE ADJUSTED WHEN BREAKAWAY DEVICES ARE USED.

USE DIRT REMOVED FROM FOUNDATION TO FILL AROUND FOUNDATION TOP. MAKE TOP OF DIRT LEVEL WITH TOP OF CONCRETE. ANY EXCESS DIRT WILL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.

1" Ø STEEL ANCHOR BOLT THREADED 4"± AND HOT DIP GALVANIZED 4"± 1" HOOK ON THE OTHER END. (SEE NOTE 5)



METAL OR CONCRETE

GENERAL NOTES

- AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT.
- THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 3".
- THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY 12" OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6' THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" X 20" X 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL THE FOUNDATION.
- ON PARAPET WALLS USE 1 1/4" Ø ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER. (FOR DETAILS SEE STANDARD III/2.35 OF BRIDGE DESIGN MANUAL.
- BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
- CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
- LOW MOUNT POLE FOUNDATION SETBACK: FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20' FROM EDGE OF PAVEMENT.

FOR VERTICAL MOUNT LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 30' FROM EDGE OF PAVEMENT. POLES SHALL BE LOCATED 5' BEHIND GUARDRAIL OR OTHER PROTECTIVE BARRIERS, OR AS DIRECTED BY THE ENGINEER.

DRAWN	2-9-01
REVISED	5-13-02
REVISED	01-16-07
RESIZED	05-6-08

STD. 9-114

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PLOT DATE = 12/15/2011		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-1,N-3,T5-3	Williamson	280	100
ILLINOIS/FED. AID PROJECT			CONTRACT NO. 78216	