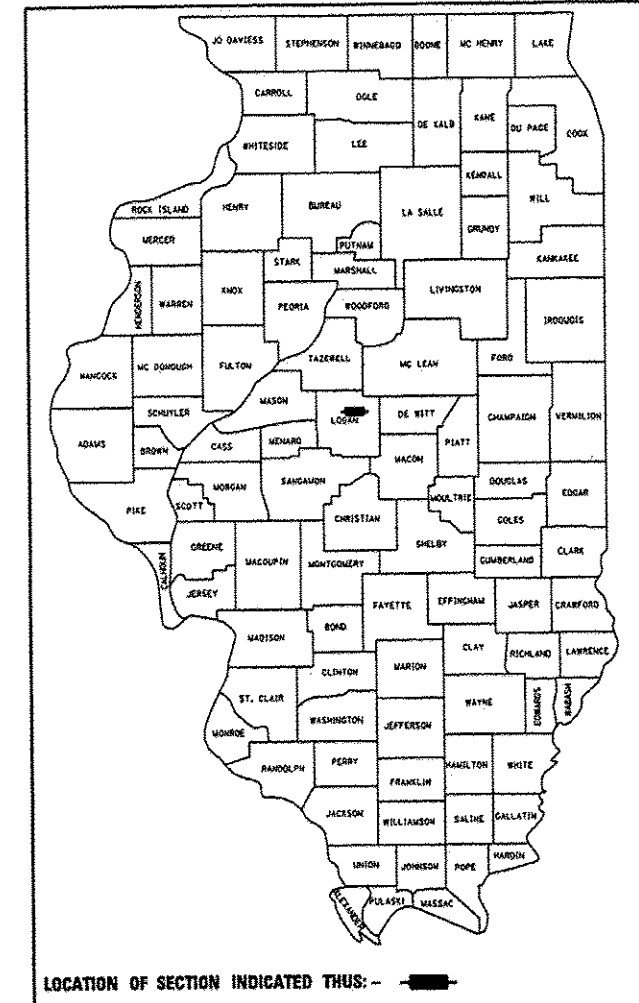


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	1
FED. ROAD DIST. NO.		ILLINOIS		

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF ILLINOIS DOT HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL-AID PROJECT
SURFACE TRANSPORTATION RURAL PROJECT
FAS ROUTE 559 (CH 2)
PAVEMENT MILLING & RESURFACING PROJECT (LAFO)
SECTION 11-00311-02-RS
LOGAN COUNTY
PROJECT NO. RS-0559 (103)
JOB NUMBER C-96-227-11



UTILITY CONTACTS:

UTILITY TYPE:

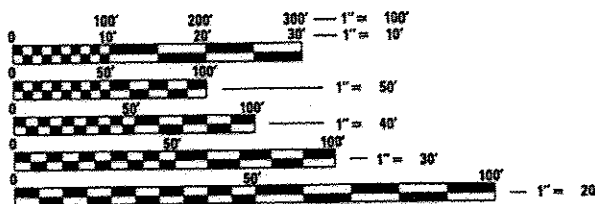
ELECTRIC
AMEREN CILCO (NORTH)
(309) 693-4839
ATTN: KENT KOWALSKA

UTILITY TYPE:

CABLE
COMCAST
(217) 383-8030
ATTN: ROB VALENTINE

UTILITY TYPE:

TELEPHONE
FRONTIER COMMUNICATIONS
(309) 827-1253
ATTN: DARRELL SENIOR



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

CONTRACT NO. 93614



OMISSION
STA 111+68.19 TO
STA 116+67.19

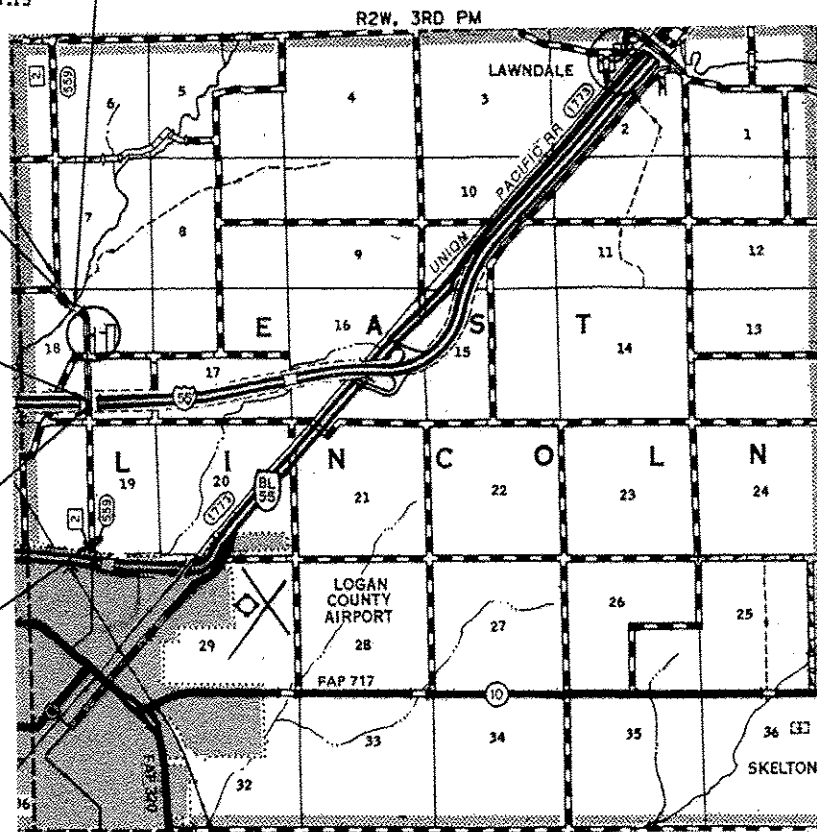
END PROJECT
STA 130+00.00

STA 114+17.69
SN 054-3003
2 SPAN WELDED GIRDER
& 4 SPAN WF BEAM
OVER KICKAPOO CREEK
34'-0" O-O; 30'-6" FC-FC
499'-0" BK TO BK ABUT

STA 72+75.18
SN 054-0059
2 SPAN MULTIGIRDER
OVER FAI 55
38'-0" O-O
252'-0" BK TO BK APPR BENTS

OMISSION
STA 65+21.18 TO
STA 82+25.18

BEGIN PROJECT
STA 10+74.24



GROSS LENGTH OF SECTION 11,925.76 FEET 2.259 MILES
NET LENGTH OF SECTION 9,722.76 FEET 1.841 MILES

DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR - RURAL
CURRENT ADT: 1,500 (2011)
DESIGN SPEED: 50 MPH



Michael D. Cummins 1/23/14
ILLINOIS PROFESSIONAL NO. 43244
(Expires 11/30/15)

APPROVED January 23 20 14
B. J. A. [Signature]
COUNTY ENGINEER

PASSED February 13 20 14
Terence [Signature]
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

PASSED February 13 20 14
Ron [Signature]
DISTRICT ENGINEER OF CONSTRUCTION

RELEASED FOR BID BASED ON LIMITED REVIEW February 13 20 14
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS,
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

INDEX OF SHEETS

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18	ALIGNMENT AND BENCH MARKS
19-26	PLAN AND PROFILES
27	PARAPET EXTENSION DETAILS
28	GUARDRAIL AND SHOULDER WIDENING DETAILS
29-31	GUTTER DETAILS
32	BUTT JOINT AND PATCHING DETAILS
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36-37	CROSS SECTIONS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-12	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USES	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE	LEVLING BINDER (MACHINE METHOD)	HMA SHOULDER
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS %	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A	N/A	N/A

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

GRANULAR MATERIALS	2.05 Tons/Cu. Yd.
BITUMINOUS MATERIALS (PRIME COAT)	0.35 Gallon/Sq. Yd. (ON AGG)
BITUMINOUS MATERIALS (PRIME COAT)	0.1 Gallon/Sq. Yd. (ON PAVEMENT)
HOT-MIX ASPHALT	112 Lbs/Sq. Yd./Inch

GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, AND THE SPECIAL PROVISIONS INCLUDED IN THESE PLANS.
- ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE EDITION, AS INDICATED BY THE SUB-NUMBER, LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- THE LOCATION OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E NUMBER IS 1 (800) 892-0123. A MINIMUM 48 HOURS ADVANCE NOTICE IS REQUIRED. SEE SPECIAL PROVISIONS FOR STATUS OF UTILITIES WITH UTILITY COMPANIES LISTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE TYPE OF WORK ENCOUNTERED.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NAVD 88 DATUM.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR
- NO PASSING ZONES SHALL BE VERIFIED IN THE FIELD BY LOGAN COUNTY PRIOR TO PLACING PAVEMENT MARKING.



JOB # 2298
FILE NAME = 2298gen.dgn
PLOT SCALE = 2.0000' / 1" IN.
PLOT DATE = 1/22/2014

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 8/7/2012

REVISED -
REVISED -
REVISED -
REVISED -

LOGAN COUNTY
CH 2 IMPROVEMENTS

GENERAL NOTES, HIGHWAY STANDARDS
& INDEX OF SHEETS

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	2
CONTRACT NO. *				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

*93614

SUMMARY OF QUANTITIES				CONSTRUCTION CODE					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005					
20200100	EARTH EXCAVATION	CU YD	55	55					
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	434	434					
35101400	AGGREGATE BASE COURSE, TYPE B	TON	272	272					
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	33	33					
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,690	2,690					
40600300	AGGREGATE (PRIME COAT)	TON	50	50					
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	2,207	2,207					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,160	1,160					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	56	56					
40600990	TEMPORARY RAMP	SQ YD	76	76					
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	319	319					
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2,120	2,120					
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	242	242					
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	948	948					

*INDICATES SPECIALTY ITEM
 • SEE SPECIAL PROVISIONS

*93614



JOB # 2298	DESIGNED - NAK	REVISED -
FILE NAME * 2298a00.dgn	DRAWN - SJS	REVISED -
PLOT SCALE * 20.0000' / IN.	CHECKED - NAK	REVISED -
PLOT DATE * 1/28/2014	DATE - 11/15/2013	REVISED -

LOGAN COUNTY
 CH 2 IMPROVEMENTS

SUMMARY OF QUANTITIES

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 96	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
				0005					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	574	574					
44004250	PAVED SHOULDER REMOVAL	SQ YD	174	174					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	21	21					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,126	1,126					
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	255	255					
50300225	CONCRETE STRUCTURES	CU YD	1.2	1.2					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	140	140					
60600095	CLASS S1 CONCRETE (OUTLET)	CU YD	20.4	20.4					
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	262.5	262.5					
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4					
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4					
63200310	GUARDRAIL REMOVAL	FOOT	400	400					
67100100	MOBILIZATION	L SUM	1	1					
* 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					

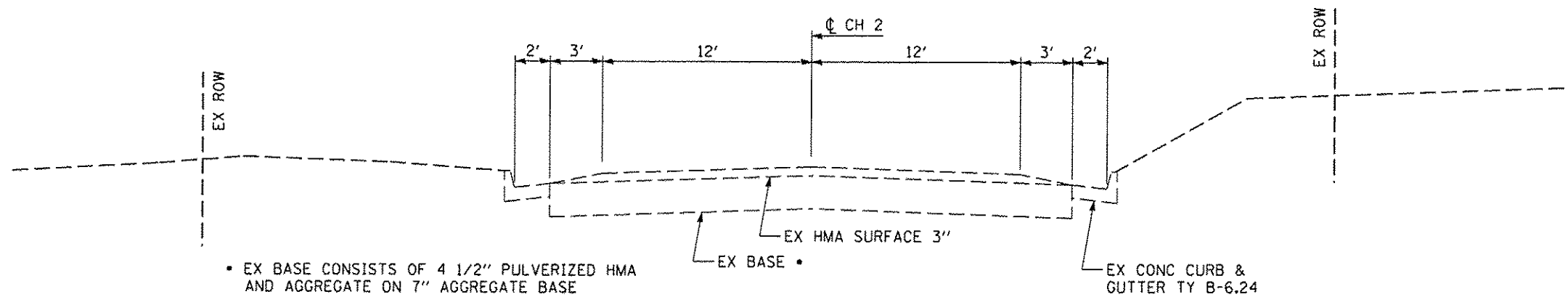
* INDICATES SPECIALTY ITEM
 • SEE SPECIAL PROVISIONS

*93614

SUMMARY OF QUANTITIES				CONSTRUCTION CODE								
CODE NO.	ITEM	UNIT	TOTAL QUANTITY									
				0005								
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1								
* 70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,904	3,904								
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	326	326								
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	29,304	29,304								
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	20	20								
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4								
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.1	0.1								
* X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	21,017	21,017								
* X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	414	414								

* INDICATES SPECIALTY ITEM
 * SEE SPECIAL PROVISIONS

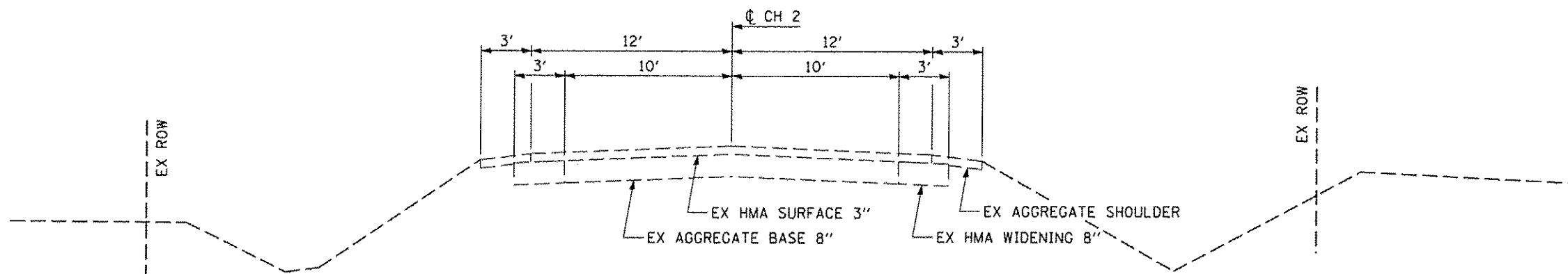
*93614



• EX BASE CONSISTS OF 4 1/2" PULVERIZED HMA AND AGGREGATE ON 7" AGGREGATE BASE

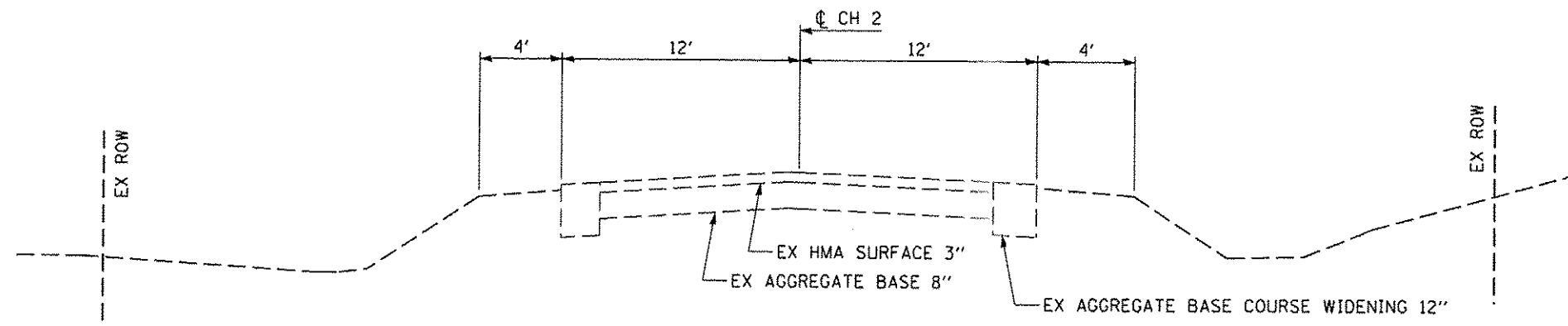
EXISTING CH 2 TYPICAL CROSS SECTION
STA 12+16.90 TO STA 14+76.90

BRIDGE & APPROACHES OMISSION
STA 65+21.18 TO STA 82+25.18



EXISTING CH 2 TYPICAL CROSS SECTION
STA 10+74.24 TO STA 12+16.90
STA 14+76.90 TO STA 65+21.18

*93614

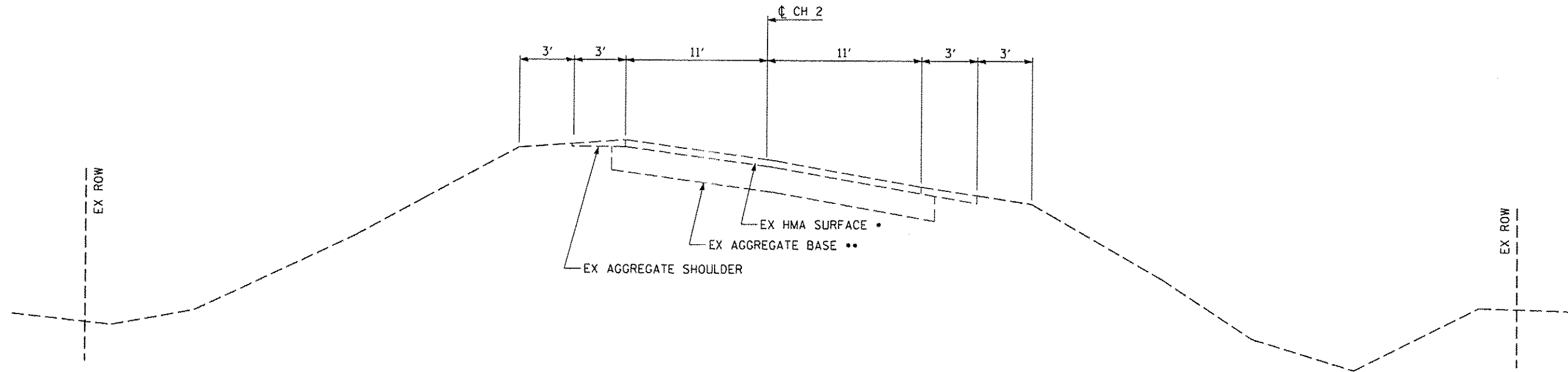


EXISTING CH 2 TYPICAL CROSS SECTION
 STA 82+25.18 TO STA 100+26.81

BRIDGE & APPROACHES OMISSION
 STA 65+21.18 TO STA 82+25.18

* 93614

CEC Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB : 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS	TYPICAL CROSS SECTIONS			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	FILE NAME : 2298.txd	DRAWN - SJS	REVISED -					CH 2	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE : 0.8000" = 1'	CHECKED - NAK	REVISED -		11-00311-02-RS	LOGAN	37	7	CONTRACT NO. *						
	PLOT DATE : 11/26/2013	DATE - 8/16/2012	REVISED -												



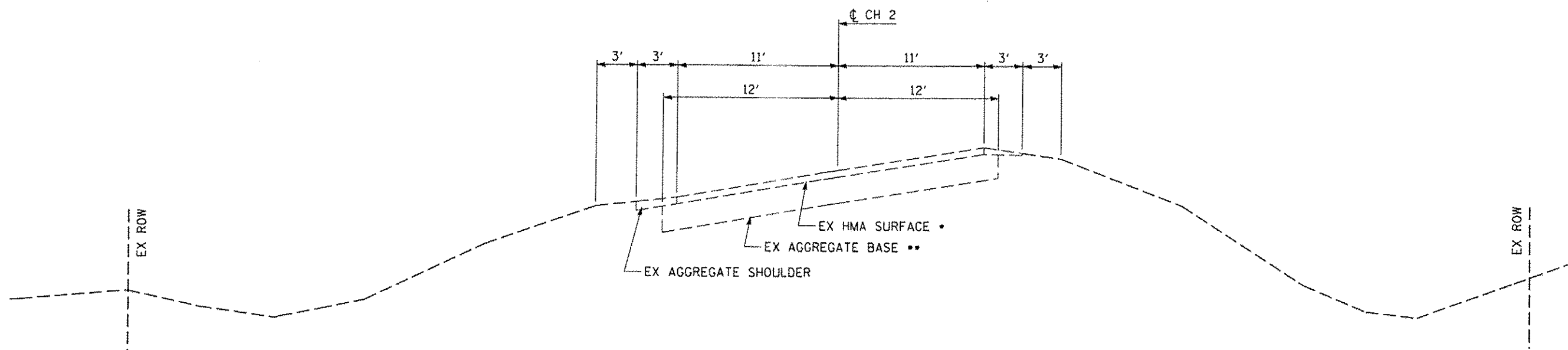
EXISTING CH 2 TYPICAL CROSS SECTION

STA 116+18.81 TO STA 130+00.00
 STA 116+18.81 TO STA 118+16.81 (ATTAIN SE)
 STA 127+86.81 TO STA 129+84.81 (REMOVE SE)

BRIDGE OMISSION

STA 111+68.19 TO STA 116+67.19

- EX HMA SURFACE VARIES FROM 3" MIN. TO 5" MAX.
- EX BASE COURSE VARIES FROM 8" MIN. TO 10" MAX.



EXISTING CH 2 TYPICAL CROSS SECTION

STA 100+26.81 TO STA 114+11.31
 STA 100+26.81 TO STA 102+24.81 (ATTAIN SE)
 STA 112+13.31 TO STA 114+11.31 (REMOVE SE)

* 93614



JOB : 2298
 FILE NAME : 2298.txd
 PLOT SCALE : 8.0000" / 1"
 PLOT DATE : 10/31/2013

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/16/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

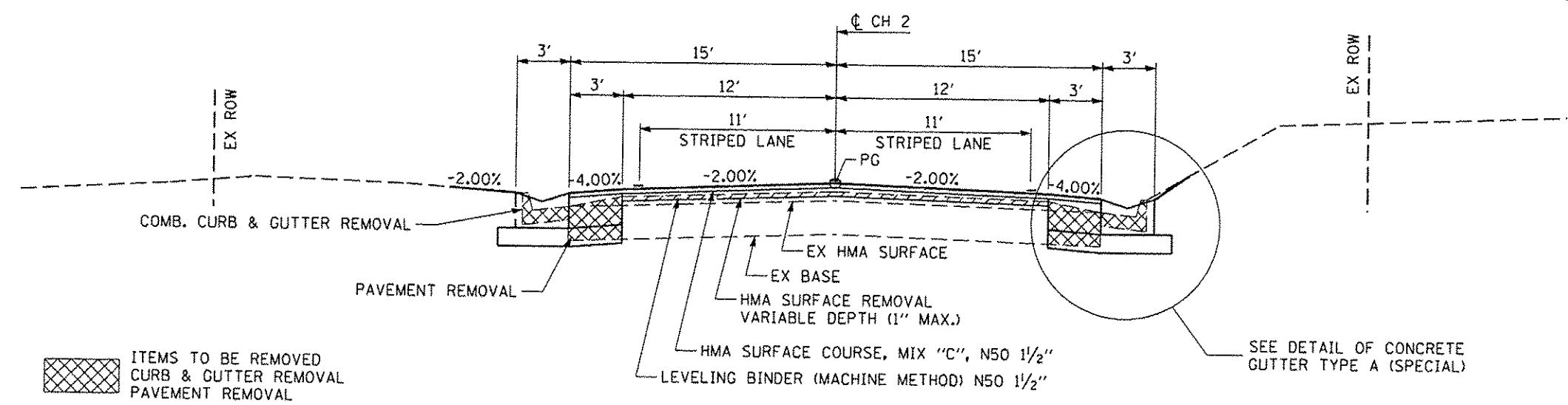
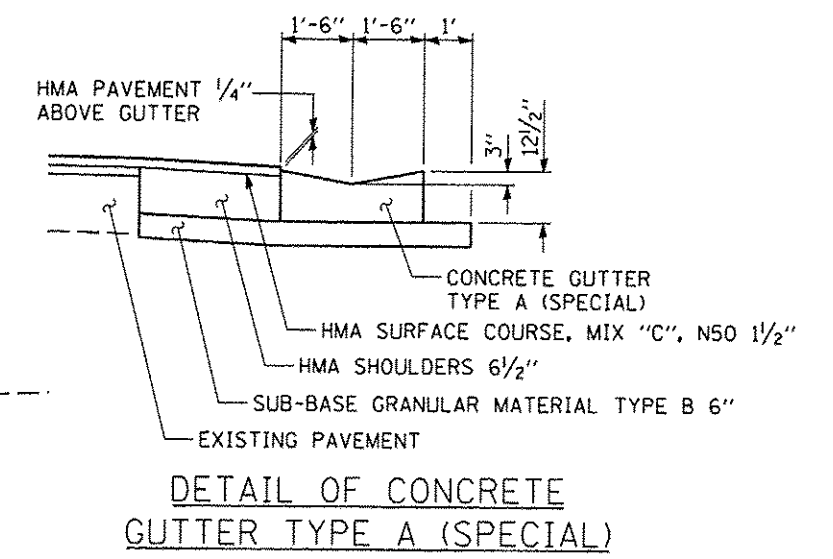
**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

TYPICAL CROSS SECTIONS

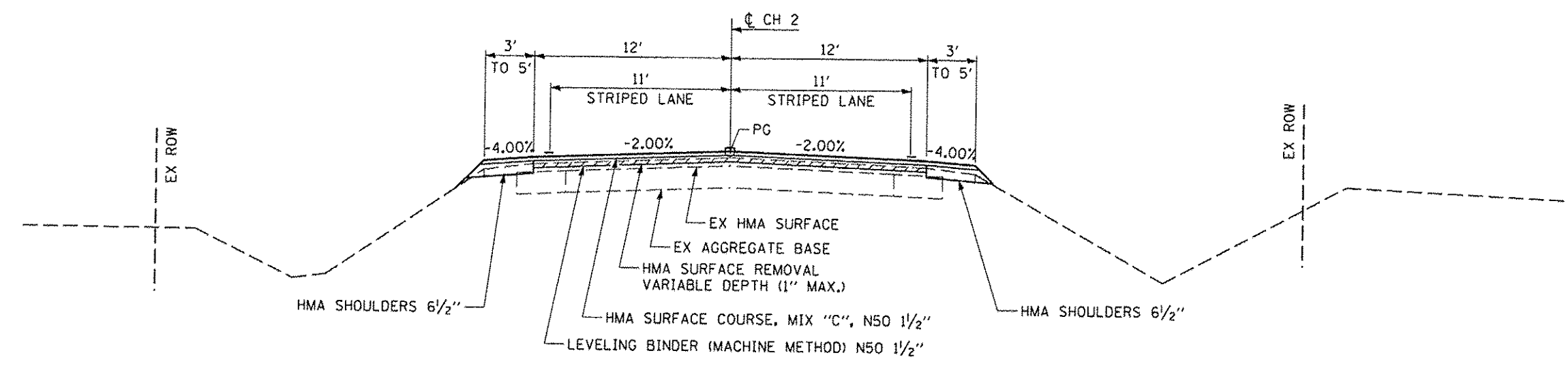
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	8
CONTRACT NO. *				

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



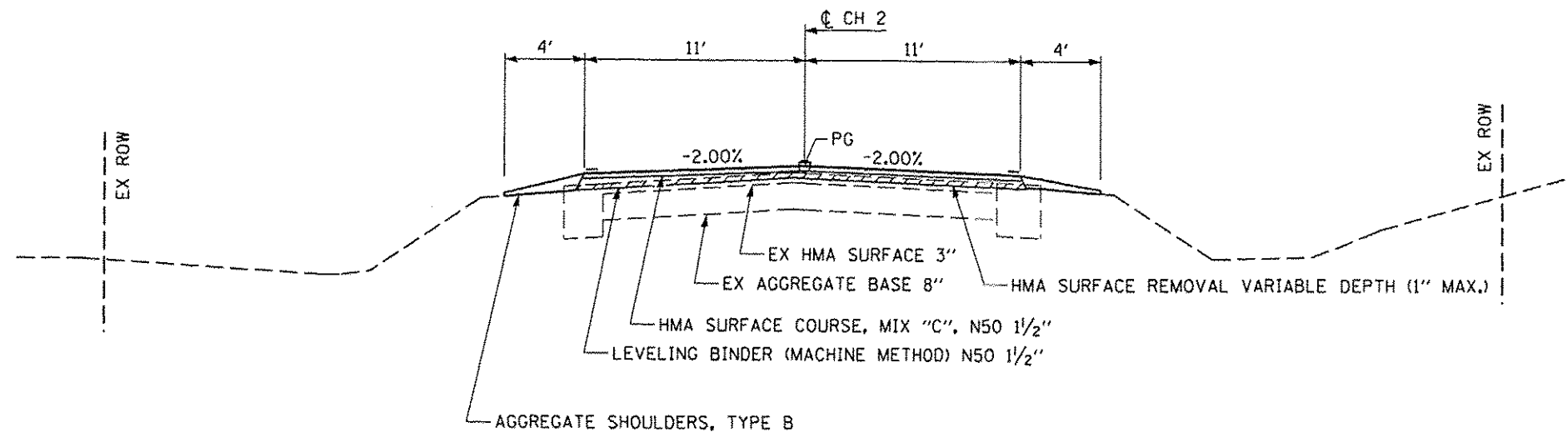
PROPOSED CH 2 TYPICAL CROSS SECTION
STA 12+04.00 TO STA 14+72.71



PROPOSED CH 2 TYPICAL CROSS SECTION
STA 10+74.24 TO STA 12+04.00

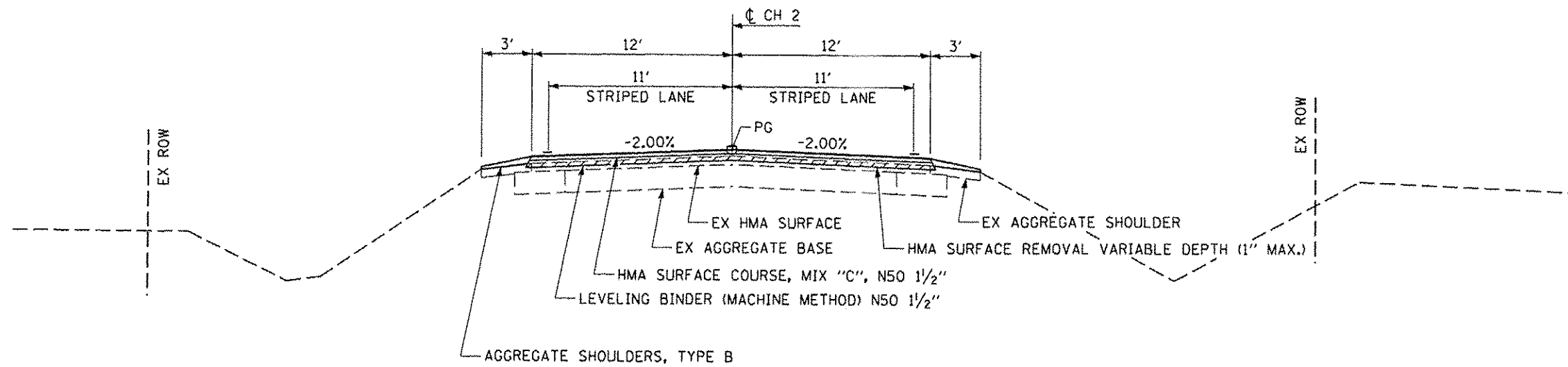
* 93614

CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS	TYPICAL CROSS SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME * 2298.txd	DRAWN - SJS	REVISED -					CH 2	11-00311-02-RS	LOGAN	37	9
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	PLOT DATE * 1/28/2014	DATE - 11/28/2012	REVISED -									



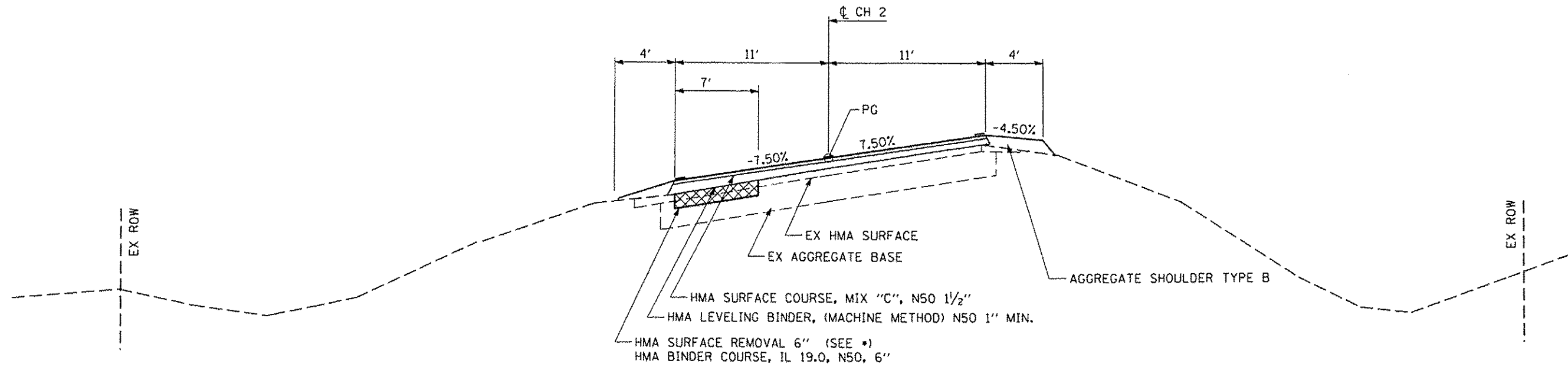
PROPOSED CH 2 TYPICAL CROSS SECTION
STA 82+25.18 TO STA 100+26.81

BRIDGE & APPROACHES OMISSION
STA 65+21.18 TO STA 82+25.18



PROPOSED CH 2 TYPICAL CROSS SECTION
STA 14+72.71 TO STA 65+21.18

* 93014



PROPOSED CH 2 TYPICAL CROSS SECTION

STA 100+26.81 TO STA 102+24.81 (ATTAIN SE)
 STA 102+24.81 TO STA 111+68.19

• STA 110+35 TO STA 111+68.19

BRIDGE OMISSION
 STA 111+68.19 TO STA 116+67.19

* 93614



JOB # 2298
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 PLOT DATE * 11/26/2013

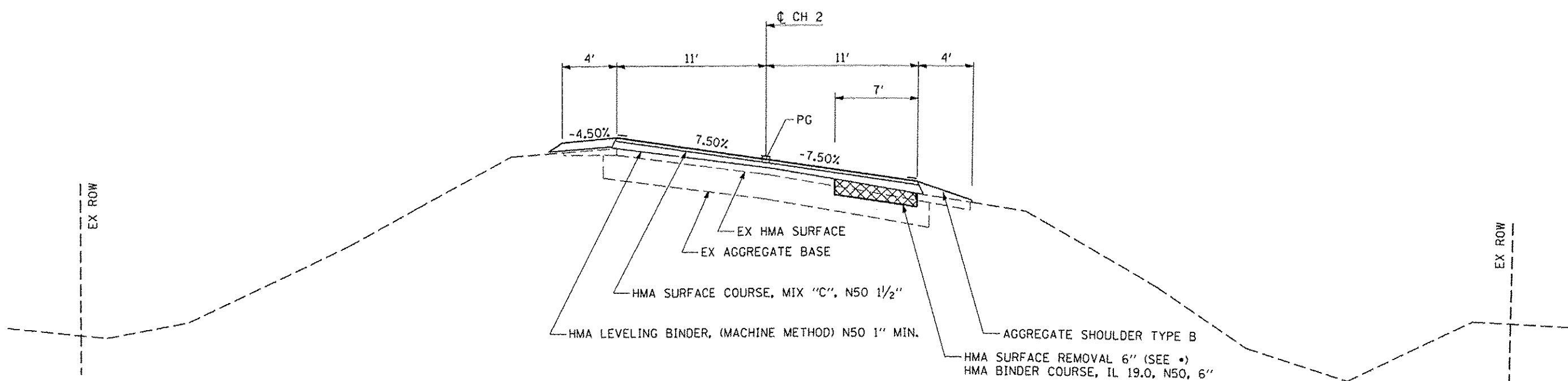
DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/28/2012

REVISED -
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 REVISED -

**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

TYPICAL CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	11
CONTRACT NO.			*	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



PROPOSED CH 2 TYPICAL CROSS SECTION

STA 116+18.81 TO STA 118+16.81 (ATTAIN SE)
 STA 118+16.81 TO STA 127+52.00
 STA 127+52.00 TO STA 129+50.00 (REMOVE SE)
 STA 129+50 TO STA 130+00

• STA 117+75 TO STA 128+61

* 93614

CEC Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB * 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS	TYPICAL CROSS SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE * 1/22/2014	DATE - 11/28/2012	REVISED -									

EARTHWORK

LOCATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
CH 2				
STA 10+74 TO STA 14+80	55	41	30	11
TOTAL	55	41	30	11

SHRINKAGE = 25%

SEEDING, CLASS 2 (SPECIAL)

LOCATION	ACRE
LT STA 11+28.00 TO STA 14+88.00	0.03
RT STA 11+66.00 TO STA 12+66.00	0.01
RT STA 12+80.00 TO STA 14+82.00	0.01
TOTAL	0.05

PAVED SHOULDER REMOVAL

LOCATION	SQ YD
LT STA 12+12.07 TO STA 14+72.24	87.29
RT STA 12+12.58 TO STA 14+72.71	86.72
TOTAL	174.01

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	FOOT
LT STA 11+57.98 TO STA 14+72.47	314.49
RT STA 11+82.04 TO STA 12+57.35	75.31
RT STA 12+88.85 TO STA 14+72.92	184.07
TOTAL	573.87

GUARDRAIL REMOVAL

LOCATION	FOOT
LT STA 110+55.69 TO STA 111+55.69	100
LT STA 116+77.09 TO STA 117+77.09	100
RT STA 110+55.69 TO STA 111+55.69	100
RT STA 116+77.09 TO STA 117+77.09	100
TOTAL	400

HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH

LOCATION	WIDTH FOOT	SQ YD
STA 11+14.24 TO STA 64+81.18	24	14,311.84
STA 82+65.18 TO STA 110+08.19	22	6,705.14
TOTAL		21,016.98

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	WIDTH FOOT	SQ YD
STA 10+74.24 TO STA 11+14.24	24	106.67
STA 64+81.18 TO STA 65+21.18	24	106.67
STA 82+25.18 TO STA 82+65.18	22	97.78
STA 110+08.19 TO STA 110+68.19	22	146.67
STA 116+67.19 TO STA 117+27.19	22	146.67
STA 129+40.00 TO STA 130+00.00	22	146.67
TOTAL		751.13

TEMPORARY RAMP

LOCATION	LENGTH FT	QTY SQ YD
STA 10+74.24 TO STA 10+79.24	5	13.33
STA 65+16.18 TO STA 65+21.18	5	13.33
STA 82+25.18 TO STA 82+30.18	5	12.22
STA 110+63.19 TO STA 110+68.19	5	12.22
STA 116+67.19 TO STA 116+72.19	5	12.22
STA 129+95.00 TO STA 130+00.00	5	12.22
TOTAL		75.54

HOT-MIX ASPHALT SURFACE REMOVAL, 6" *

LOCATION	SQ YD
LT STA 110+35.00 TO STA 111+68.19	103.59
RT STA 117+75.00 TO STA 128+61.00	844.67
TOTAL	948.26

* THIS ITEM INCLUDES REMOVAL OF 3" TO 5" OF EXISTING HMA SURFACE AND 3" TO 1" OF EXISTING AGGREGATE BASE.

HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50

LOCATION	THICKNESS	TON
LT STA 110+35.00 TO STA 111+68.19	6"	34.81
RT STA 117+75.00 TO STA 128+61.00	6"	283.81
TOTAL		318.62



JOB # 2238
 FILE NAME # 2238a.dgn
 PLOT SCALE # 20,000 / IN.
 PLOT DATE # 1/20/2014

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/15/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

SCHEDULE OF QUANTITIES

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	13

CONTRACT NO. * 93614

SUBBASE GRANULAR MATERIAL, TYPE B 6"

LOCATION	QTY SQ YD
STA 12+03.00 TO STA 14+73.71	216.78
STA 12+03.00 TO STA 14+73.71	216.78
TOTAL	433.56

CONCRETE GUTTER

LOCATION	CONCRETE GUTTER TYPE A (SPECIAL)	CLASS S1 CONCRETE (OUTLET)
	FOOT	CU YD
LT STA 11+57.88 TO STA 12+40.00		6.89
LT STA 12+40.00 TO STA 14+60.71	220.71	
LT STA 14+60.71 TO STA 14+72.71		1.73
RT STA 11+81.51 TO STA 12+40.00		5.03
RT STA 12+40.00 TO STA 12+59.28	19.28	
RT STA 12+59.28 TO STA 12+87.28		5.06
RT STA 12+87.28 TO STA 14+60.71	173.43	
LT STA 14+60.71 TO STA 14+72.71		1.73
TOTAL	413.42	20.44

HOT-MIX ASPHALT SHOULDERS 6 1/2"

LOCATION	WIDTH	SQ YD
LT STA 10+94.24 TO STA 14+72.71	3	126.16
RT STA 10+87.65 TO STA 14+72.71	3	128.35
TOTAL		254.51

PAVEMENT

LOCATION	WIDTH FOOT	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	THICKNESS	LEVELING BINDER (MACHINE METHOD) N50	THICKNESS	HOT-MIX ASPHALT SURFACE COURSE, MIX C,
		GALLON	TON	INCH	TON	INCH	TON
STA 10+74.24 TO STA 65+21.18	24	1,452.52	29.05	1.5''	1,281.12	1.5''	1,220.11
STA 82+25.18 TO STA 111+68.19	22	719.40	14.39	1.5''	637.26	1.5''	604.30
STA 116+67.19 TO STA 130+00.00	22	325.80	6.52	1.5''	288.60	1.5''	273.67
SHOULDERS							
LT STA 10+94.24 TO STA 14+72.71	3					1.5''	10.60
RT STA 10+87.65 TO STA 14+72.71	3					1.5''	10.78
TOTAL		2,497.72	49.96		2,206.98		2,119.46

AGGREGATE SHOULDERS, TYPE B

LOCATION	WIDTH	TON
CH 2		
LT STA 14+72.71 TO STA 49+18.90	3	196.24
LT STA 49+70.03 TO STA 63+59.08	3	79.10
LT STA 64+47.08 TO STA 65+21.18	3	4.22
LT STA 82+25.18 TO STA 89+91.64	4	58.19
LT STA 90+79.49 TO STA 91+10.46	4	2.35
LT STA 91+37.97 TO STA 95+50.74	4	31.34
LT STA 95+85.10 TO STA 96+50.72	4	4.98
LT STA 96+83.89 TO STA 97+70.09	4	6.54
LT STA 98+00.51 TO STA 98+54.78	4	4.12
LT STA 99+07.64 TO STA 100+03.29	4	7.26
LT STA 100+39.30 TO STA 100+89.56	4	3.82
LT STA 101+57.06 TO STA 101+90.41	4	2.53
LT STA 102+16.58 TO STA 104+78.16	4	19.86
LT STA 105+17.57 TO STA 107+72.93	4	19.39
LT STA 108+25.63 TO STA 109+94.77	4	12.84
LT STA 110+31.69 TO STA 111+68.19	4	10.36
LT STA 116+67.19 TO STA 119+56.17	4	21.94
LT STA 119+89.94 TO STA 121+96.00	4	15.65
LT STA 122+92.25 TO STA 130+00.00	4	53.74
RT STA 15+45.48 TO STA 49+74.85	3	195.28
RT STA 50+07.31 TO STA 63+49.69	3	76.44
RT STA 64+42.68 TO STA 65+21.18	3	4.47
RT STA 82+25.18 TO STA 82+75.06	4	3.79
RT STA 83+24.93 TO STA 89+77.82	4	49.57
RT STA 90+98.43 TO STA 93+27.02	4	17.36
RT STA 93+72.67 TO STA 94+29.86	4	4.34
RT STA 94+81.35 TO STA 95+66.76	4	6.48
RT STA 96+55.61 TO STA 97+07.98	4	3.98
RT STA 97+54.20 TO STA 98+19.96	4	4.99
RT STA 98+47.96 TO STA 98+65.22	4	1.31
RT STA 98+93.57 TO STA 99+18.32	4	1.88

AGGREGATE SHOULDERS, TYPE B

LOCATION	WIDTH	TON
RT STA 100+00.32 TO STA 100+41.94	4	3.16
RT STA 100+97.04 TO STA 101+74.69	4	5.90
RT STA 102+32.98 TO STA 102+53.07	4	1.53
RT STA 103+40.90 TO STA 104+76.37	4	10.29
RT STA 105+04.27 TO STA 105+63.97	4	4.53
RT STA 106+12.99 TO STA 106+69.68	4	4.30
RT STA 107+22.90 TO STA 107+34.38	4	0.87
RT STA 107+62.28 TO STA 109+05.71	4	10.89
RT STA 109+68.44 TO STA 111+68.19	4	15.17
RT STA 116+67.19 TO STA 121+38.98	4	35.82
RT STA 121+67.37 TO STA 130+00.00	4	63.22
1800th ST		
SW QUADRANT	3	2.86
NW QUADRANT	3	2.86
SE QUADRANT	3	3.31
NE QUADRANT	3	3.15
1850th ST		
SW QUADRANT	4	3.70
NW QUADRANT	4	3.70
SE QUADRANT	4	6.14
NE QUADRANT	4	4.83
LAKE VIEW DR		
SE QUADRANT	4	3.34
NE QUADRANT	4	3.34
1900th ST		
SW QUADRANT	4	4.18
NW QUADRANT	4	4.18
TOTAL		1,125.63

* 93614



JOB # 2298
 FILE NAME * 2298a0q.dgn
 PLOT SCALE * 20.0000 "/>

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/15/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

LOGAN COUNTY
 CH 2 IMPROVEMENTS

SCHEDULE OF QUANTITIES

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-R5	LOGAN	37	14

CONTRACT NO. *

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

ENTRANCES, MAIL BOX TURNOUTS AND SIDE ROADS

LOCATION	TYPE	WIDTH	LENGTH	AGGREGATE SURFACE COURSE	AGGREGATE BASE COURSE	HMA SURFACE REMOVAL - BUTT JOINT	PCC SURFACE REMOVAL - BUTT JOINT	BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HMA SURFACING	
				TON	TON	SQ YD	SQ YD	GALLON	TON	
LT STA 11+15	CE	AGG	23	15	1.11	7.95				
LT STA 26+30	FE	TURF	18	15	2.55					
LT STA 39+12	FE	TURF	17	10	1.58					
LT STA 49+46	CE	AGG	34	15	1.73	23.84				
LT STA 64+00	SR	HMA	18	35			20.00	12.84	16.18	
LT STA 83+98	FE	TURF	22	10	1.58					
LT STA 90+37	SR	HMA	18	35			20.00	12.84	16.18	
LT STA 91+25	PE	CONC	14	15				16.67	3.66	4.61
LT STA 95+11	FE	TURF	16	15	1.94					
LT STA 95+68	PE	HMA	19	15			21.11	4.74	5.98	
LT STA 96+66	PE	HMA	19	15			21.11	4.58	5.77	
LT STA 97+86	PE	AGG	17.5	15	0.85	10.78				
LT STA 98+72	PE	AGG	21	15	1.95	19.32				
LT STA 98+96	PE	AGG	16.5	15	1.13	12.91				
LT STA 100+22	PE	HMA	24	15			26.67	4.46	5.61	
LT STA 101+05	PE	HMA	15	15			16.67	4.67	5.88	
LT STA 101+41	PE	HMA	17.5	15			19.44	4.31	5.43	
LT STA 102+05	PE	AGG	13.5	21	1.42	9.04				
LT STA 105+00	PE	AGG	21.5	15	1.07	12.98				
LT STA 108+00	PE	AGG	24	15	1.90	18.98				
LT STA 110+16	PE	HMA	18	15			20.00	4.68	5.89	
LT STA 119+74	FE	TURF	22	10	3.06					
LT STA 122+48	SR	HMA	18	39			20.00	14.92	18.80	
RT STA 11+57	CE	AGG	17	15	0.84	7.54				
RT STA 12+74	FE	TURF	14	9	1.19					
RT STA 14+90	PE/MB	HMA	19	10			21.11	3.04	3.84	
RT STA 15+20	PE/MB	HMA	28	10			31.11	4.07	5.12	
RT STA 17+44	FE	TURF	16	10	1.53					
RT STA 26+41	FE	TURF	16	15	2.29					
RT STA 37+41	FE	TURF	16	10	1.53					
RT STA 49+93	MB					7.36		2.16	2.72	
RT STA 50+27	DBL FE	TURF	46	0						
RT STA 64+00	SR	HMA	18	40			20.00	14.73	18.56	
RT STA 82+89	PE/MB	HMA	20	10		4.78	22.22	4.54	5.73	
RT STA 90+49	SR	HMA	22	48			24.44	23.74	29.92	
RT STA 93+44	PE/MB	AGG	21	10		14.81		1.43	1.81	
RT STA 94+50	PE/MB	AGG	24	10		16.59		1.62	2.04	
RT STA 96+10	DBL PE/MB	AGG	42	10		28.17		3.70	4.66	
RT STA 97+42	PE/MB	AGG	12	10		13.74		2.11	2.66	
RT STA 98+34	PE	CONC	16	10				11.11	2.89	3.64
RT STA 98+81	MB	HMA				7.40		2.17	2.73	
RT STA 99+59	SR	HMA	18	32			20.00	11.29	14.22	

CONTINUED ON NEXT SHEET

* 93614



JOB # 2298
 FILE NAME * 2298.dgn
 PLOT SCALE * 20.0000' / IN.
 PLOT DATE * 11/26/2013

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/15/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

LOGAN COUNTY
 CH 2 IMPROVEMENTS

SCHEDULE OF QUANTITIES

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	15
CONTRACT NO. *				

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

ENTRANCES, MAIL BOX TURNOUTS AND SIDE ROADS

LOCATION	TYPE	WIDTH	LENGTH	AGGREGATE SURFACE COURSE	AGGREGATE BASE COURSE	HMA SURFACE REMOVAL - BUTT JOINT	PCC SURFACE REMOVAL - BUTT JOINT	BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HMA SURFACING		
				TON	TON	SQ YD	SQ YD	GALLON	TON		
RT STA 100+82	PE/MB	CONC	16	10		8.35		11.11	4.80	6.05	
RT STA 102+18	PE/MB	CONC	19	15		8.62		16.67	7.09	8.93	
RT STA 102+95	PE/MB	HMA	17	15		7.25	18.89		5.91	7.45	
RT STA 103+19	PE	HMA	24	15			26.67		5.97	7.52	
RT STA 105+00	MB	HMA							2.17	2.73	
RT STA 106+00	PE/MB	AGG	21	15	1.01	15.87			1.81	2.28	
RT STA 107+07	PE/MB	HMA	16	15		6.68	17.78		5.93	7.48	
RT STA 107+50	MB	HMA							2.16	2.72	
RT STA 109+50	PE/MB	HMA	19	15		9.04	21.11		7.29	9.18	
RT STA 121+50	FE	AGG	16	10	2.47						
TOTAL						32.73	272.00	408.33	55.56	192.32	242.3

STEEL PLATE BEAM GUARD RAIL, TYPE A 6 FOOT POSTS

LOCATION	FOOT
LT STA 111+00.04 TO STA 111+12.54	12.5
LT STA 117+20.84 TO STA 118+45.84	125.0
RT STA 110+25.04 TO STA 111+12.54	87.5
RT STA 117+20.84 TO STA 117+58.34	37.5
TOTAL	262.5

TRAFFIC BARRIER TERMINAL, TYPE 6

LOCATION	EACH
LT STA 111+12.54 TO STA 111+56.29	1
LT STA 116+77.09 TO STA 117+20.84	1
RT STA 111+12.54 TO STA 111+56.29	1
RT STA 116+77.09 TO STA 117+20.84	1
TOTAL	4

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	EACH
LT STA 110+50.04 TO STA 111+00.04	1
LT STA 118+45.84 TO STA 118+95.84	1
RT STA 109+75.04 TO STA 110+25.04	1
RT STA 117+58.34 TO STA 118+08.34	1
TOTAL	4

SHORT-TERM PAVEMENT MARKING

LOCATION	APPLICATIONS	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
		FOOT	SQ FT
STA 10+30.00 TO STA 65+21.18	4	2,208	184
STA 82+75.18 TO STA 111+68.19	4	1,168	98
STA 116+67.19 TO STA 129+84.81	4	528	44
TOTAL		3,904	326

GUARDRAIL MARKERS, TYPE A

LOCATION	EACH
LT STA 111+00.04 TO STA 118+45.84	10
RT STA 110+25.04 TO STA 117+58.34	10
TOTAL	20

TERMINAL MARKER - DIRECT APPLIED

LOCATION	EACH
LT STA 110+50.04	1
LT STA 118+95.84	1
RT STA 109+75.04	1
RT STA 118+08.34	1
TOTAL	4

*93014

PAVEMENT MARKING

LOCATION	PAIN T PAVEMENT MARKING - LINE 4" (WHITE)	PAIN T PAVEMENT MARKING - LINE 4" (YELLOW)	TOTAL PAINT PAVEMENT MARKING - LINE 4"
	FOOT	FOOT	FOOT
NICHOLSON RD - FAS 559 (CH 2)			
LT. EDGE - WHITE (4")			
STA. 10+30.00 TO STA. 65+21.18	5,491.18		5,491.18
STA. 82+75.18 TO STA. 111+68.19	2,893.01		2,893.01
STA. 116+67.19 TO STA. 129+84.81	1,317.62		1,317.62
RT. EDGE - WHITE (4")			
STA. 10+30.00 TO STA. 65+21.18	5,491.18		5,491.18
STA. 82+75.18 TO STA. 111+68.19	2,893.01		2,893.01
STA. 116+67.19 TO STA. 129+84.81	1,317.62		1,317.62
CENTERLINE SKIP DASH - YELLOW (4")			
STA. 10+30.00 TO STA. 65+21.18		1,380.00	1,380.00
STA. 82+75.18 TO STA. 101+75.31		480.00	480.00
STA. 128+46.31 TO STA. 130+00.00		40.00	40.00
LT. NO PASSING - YELLOW (4")			
STA. 10+74.24 TO STA. 19+26.00		851.76	851.76
STA. 101+75.31 TO STA. 130+00.00		2,824.69	2,824.69
RT. NO PASSING - YELLOW (4")			
STA. 10+74.24 TO STA. 14+81.00		406.76	406.76
STA. 63+50.00 TO STA. 65+21.18		171.18	171.18
STA. 91+00.00 TO STA. 128+46.31		3,746.31	3,746.31
TOTAL	19,403.62	9,900.70	29,304.32

*93614



JOB # 2298
 FILE NAME : 2298soq.dgn
 PLOT SCALE : 20.0000 ' / IN.
 PLOT DATE : 11/25/2013

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/15/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

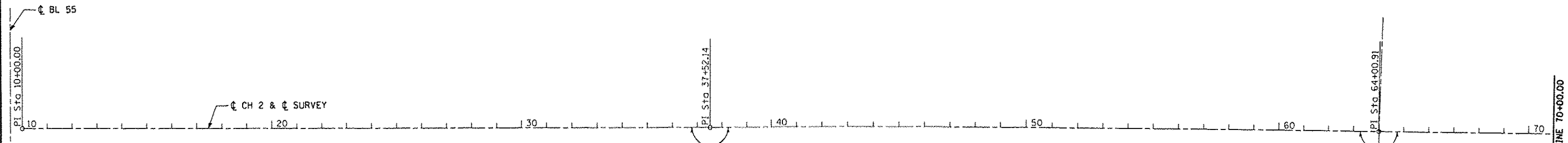
**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

SCHEDULE OF QUANTITIES

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-R5	LOGAN	37	17
CONTRACT NO. *				

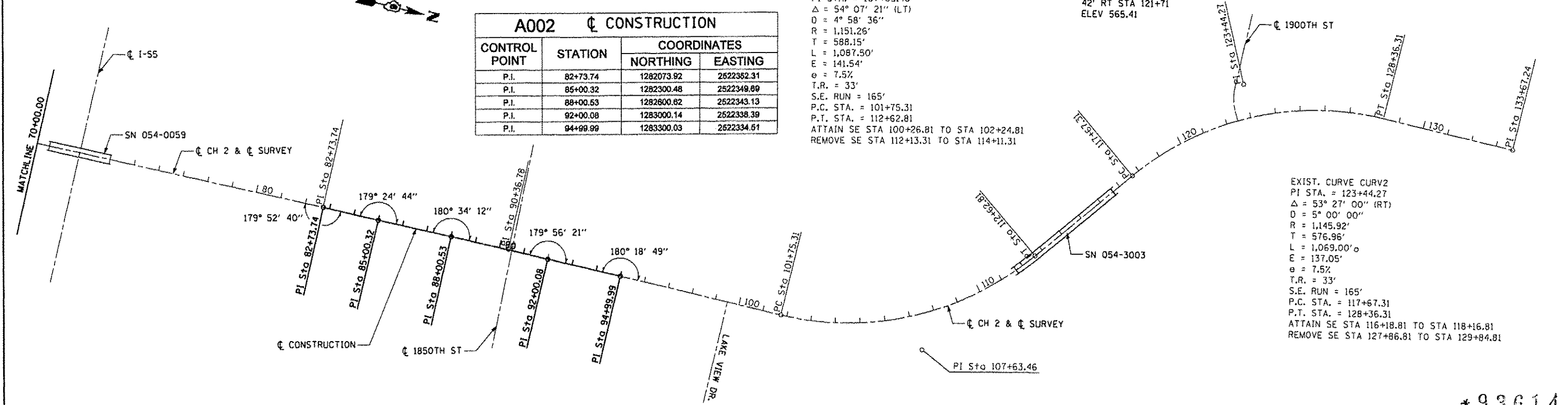
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

BM*1 - SPIKE NAIL IN POWER POLE 31' LT STA 11+63 ELEV 583.23
 BM*2 - CHISELED "□" ON TOP CURB 17' RT STA 14+69 ELEV 589.97
 BM*3 - MAGNAIL IN 30" CMP 24' RT STA 21+85 ELEV 584.13
 BM*4 - MAGNAIL IN 15" CMP 27' LT STA 26+13 ELEV 585.10
 BM*5 - MAG SPIKE IN POWER POLE 33' RT STA 33+07 ELEV 590.41
 BM*6 - TOP OF ROW MARKER 34' RT STA 37+52 ELEV 595.15
 BM*7 - MAG SPIKE IN POWER POLE 34' RT STA 42+42 ELEV 592.88
 BM*8 - TOP OF ROW MARKER 30' LT STA 47+32 ELEV 596.20
 BM*9 - TOP OF ROW MARKER 30' LT STA 50+85 ELEV 596.74
 BM*10 - MAG SPIKE IN POWER POLE 35' RT STA 54+66 ELEV 590.64
 BM*11 - MAG SPIKE IN POWER POLE 34' RT STA 58+81 ELEV 593.69
 BM*12 - TOP OF ROW MARKER 34' RT STA 64+74 ELEV 598.17



CH 2 ϕ SURVEY			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	10+00.00	1274801.54	2522492.22
P.O.T	37+62.14	1277553.31	2522448.78
P.O.T	64+00.91	1280201.50	2522391.51
P.O.T	82+73.74	1282073.82	2522352.31
P.O.T	90+36.78	1282836.82	2522337.97
P.C.	101+75.31	1283975.32	2522329.46
P.I.	107+63.46	1284663.46	2522325.06
P.T.	112+62.81	1284904.56	2521845.93
P.C.	117+67.31	1285197.15	2521434.94
P.I.	123+44.27	1285531.77	2520964.93
P.T.	128+36.31	1286108.63	2520953.83
P.O.T	133+67.24	1286639.46	2520943.82

BM*13 - CHISELED "□" SE CORNER OF BRIDGE 19' RT STA 71+44 ELEV 612.80
 BM*14 - CHISELED "□" NE CORNER OF BRIDGE 19' RT STA 74+04 ELEV 612.85
 BM*15 - MAGNAIL IN 18" CMP 38' RT STA 79+93 ELEV 588.27
 BM*16 - TOP OF ROW MARKER 36' LT STA 88+29 ELEV 586.20
 BM*17 - MAGNAIL IN 18" CMP 20' RT STA 94+29 ELEV 578.36
 BM*18 - MAGNAIL IN 15" CMP 24' RT STA 98+45 ELEV 579.12
 BM*19 - TOP OF ROW MARKER 40' LT STA 105+31 ELEV 579.86
 BM*20 - CHISELED "□" SE CORNER OF BRIDGE 17' LT STA 111+56 ELEV 581.69
 BM*21 - CHISELED "□" NE CORNER OF BRIDGE 16' RT STA 116+77 ELEV 578.28
 BM*22 - MAGNAIL IN 15" CMP 42' RT STA 121+71 ELEV 565.41



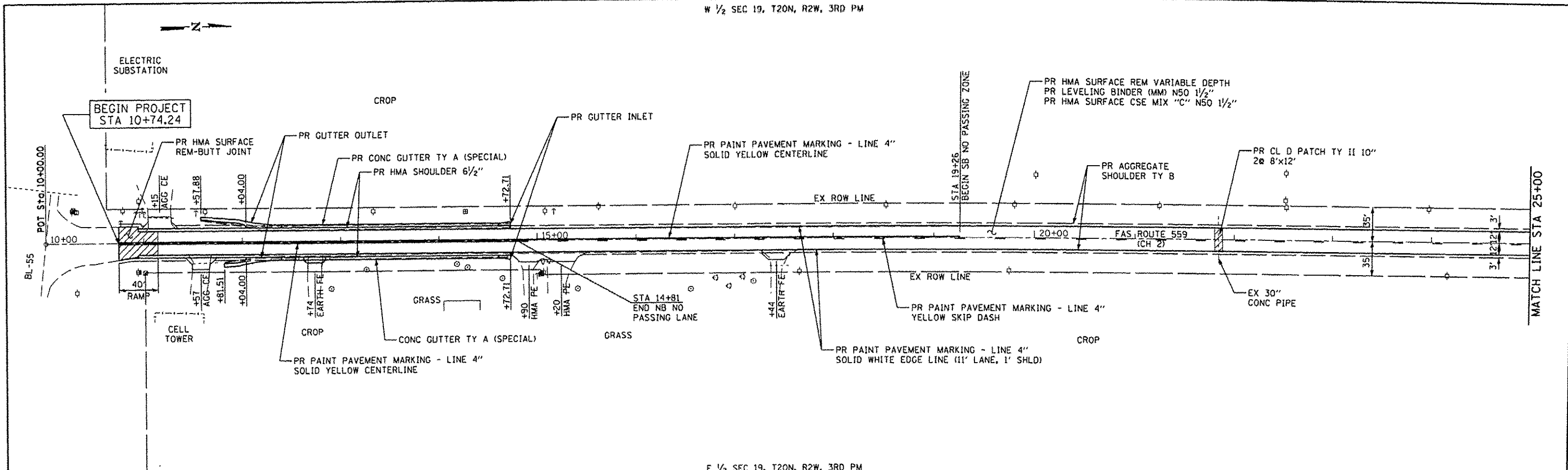
A002 ϕ CONSTRUCTION			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.I.	82+73.74	1282073.82	2522352.31
P.I.	85+00.32	1282300.48	2522349.89
P.I.	88+00.53	1282600.62	2522343.13
P.I.	92+00.08	1283000.14	2522338.39
P.I.	94+99.99	1283300.03	2522334.61

EXIST. CURVE CURV1
 PI STA. = 107+63.46
 $\Delta = 54^\circ 07' 21''$ (LT)
 $D = 4^\circ 58' 36''$
 $R = 1,151.26'$
 $T = 588.15'$
 $L = 1,087.50'$
 $E = 141.54'$
 $e = 7.5\%$
 $T.R. = 33'$
 $S.E. RUN = 165'$
 $P.C. STA. = 101+75.31$
 $P.T. STA. = 112+62.81$
 ATTAIN SE STA 100+26.81 TO STA 102+24.81
 REMOVE SE STA 112+13.31 TO STA 114+11.31

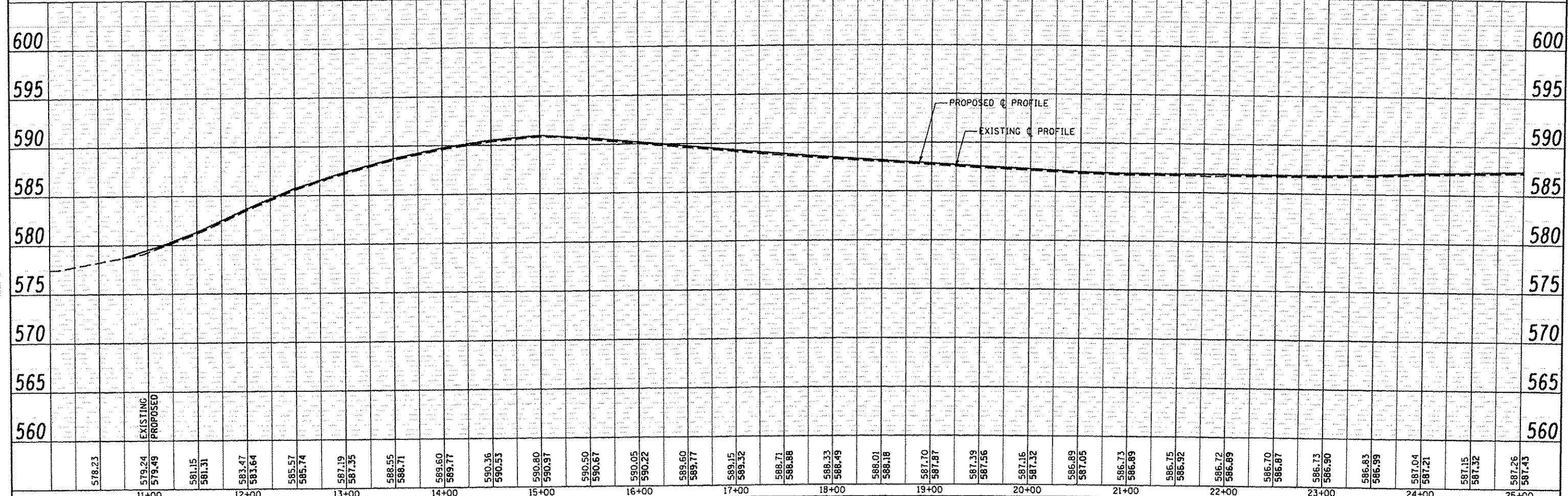
EXIST. CURVE CURV2
 PI STA. = 123+44.27
 $\Delta = 53^\circ 27' 00''$ (RT)
 $D = 5^\circ 00' 00''$
 $R = 1,145.92'$
 $T = 576.96'$
 $L = 1,069.00'$
 $E = 137.05'$
 $e = 7.5\%$
 $T.R. = 33'$
 $S.E. RUN = 165'$
 $P.C. STA. = 117+67.31$
 $P.T. STA. = 128+36.31$
 ATTAIN SE STA 116+18.81 TO STA 118+16.81
 REMOVE SE STA 127+86.81 TO STA 129+84.81

* 93614

PLAN	DATE
REVISIONS	
NO.	
BY	
DATE	
PROJECT	
NO.	
BY	
DATE	
PROJECT	
NO.	



PROFILE	DATE
REVISIONS	
NO.	
BY	
DATE	
PROJECT	
NO.	
BY	
DATE	
PROJECT	
NO.	



578.23	579.24	579.49	581.15	581.31	583.47	583.64	585.57	585.74	587.19	587.35	588.55	588.71	589.60	589.77	590.36	590.53	590.80	590.97	590.50	590.67	590.05	590.22	589.60	589.77	589.15	589.32	588.71	588.88	588.33	588.49	588.01	588.18	587.70	587.87	587.39	587.56	587.16	587.32	586.89	587.05	586.73	586.89	586.75	586.92	586.72	586.89	586.70	586.87	586.73	586.90	586.83	586.99	587.04	587.21	587.15	587.32	587.26	587.43
11+00		12+00		13+00		14+00		15+00		16+00		17+00		18+00		19+00		20+00		21+00		22+00		23+00		24+00		25+00																														

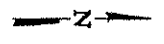
CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2298
FILE NAME # 2298plan2.dgn
PLOT SCALE # 100.0000' / IN.
PLOT DATE # 1/28/2014
DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 10/30/2013
REVISED -
REVISED -
REVISED -
REVISED -

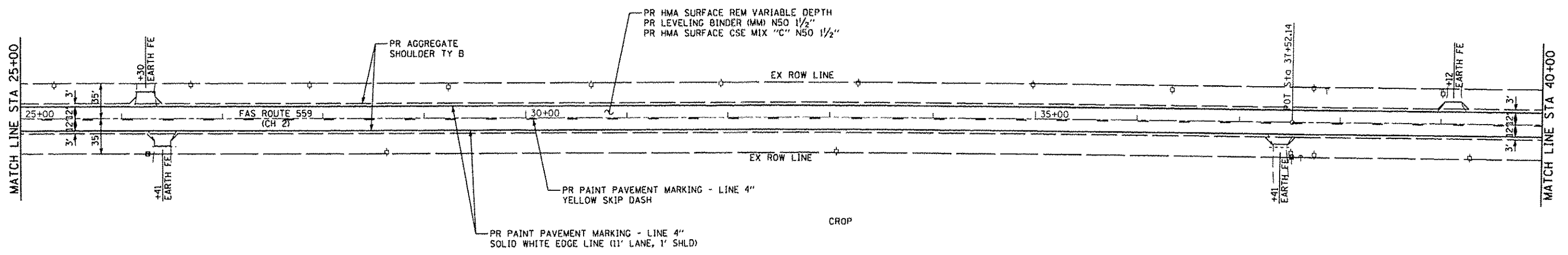
LOGAN COUNTY CH 2 IMPROVEMENTS

PLAN AND PROFILE
SCALE: SHEET NO. OF SHEETS STA. TO STA.

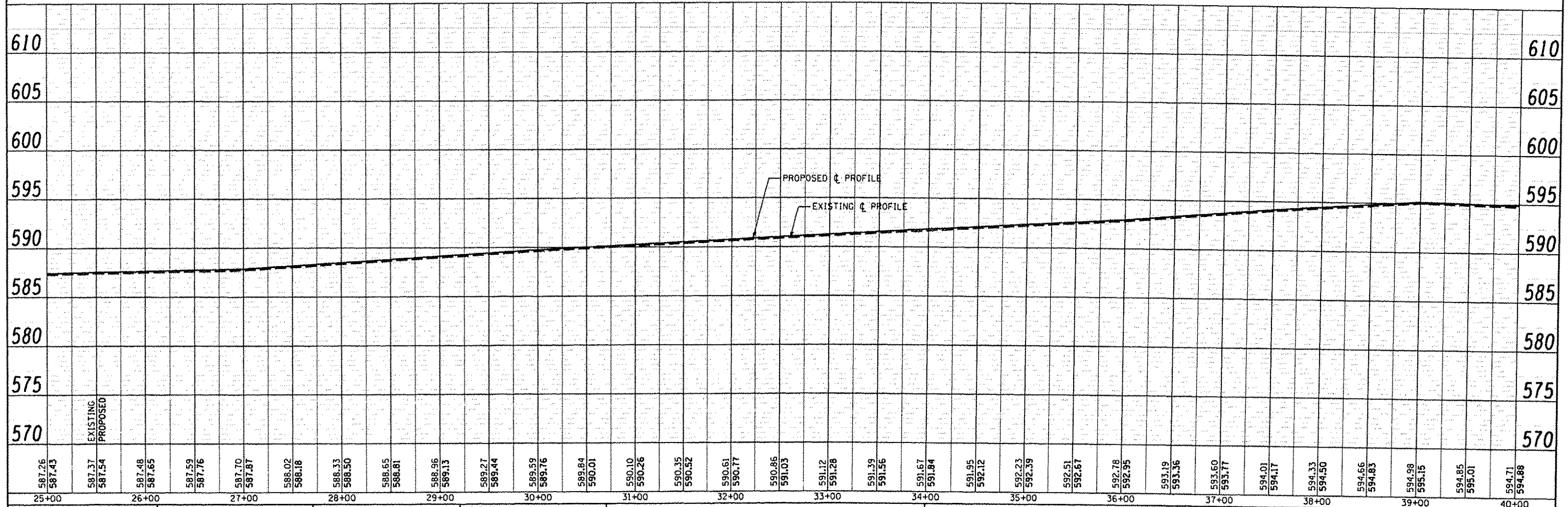
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	19
CONTRACT NO. *				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	DATE	
	FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF SHEETS	
	NO. OF SHEETS CHECKED	
	DATE	
	FILE NAME	



587.26	587.43	587.37	587.54	587.48	587.65	587.59	587.76	587.70	587.87	588.02	588.18	588.33	588.50	588.65	588.81	588.96	589.13	589.27	589.44	589.59	589.76	589.84	590.01	590.10	590.26	590.35	590.52	590.61	590.77	590.85	591.03	591.12	591.28	591.39	591.56	591.67	591.84	591.95	592.12	592.23	592.39	592.51	592.67	592.78	592.95	593.19	593.36	593.50	593.67	593.81	594.01	594.17	594.33	594.50	594.66	594.83	594.98	595.15	594.85	595.01	594.71	594.88
25+00	26+00	27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00																																															

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2298
FILE NAME = 2298plan2.dgn
PLOT SCALE = 1/8" = 1' IN.
PLOT DATE = 11/12/2013

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 10/20/2013

REVISED -
REVISED -
REVISED -
REVISED -

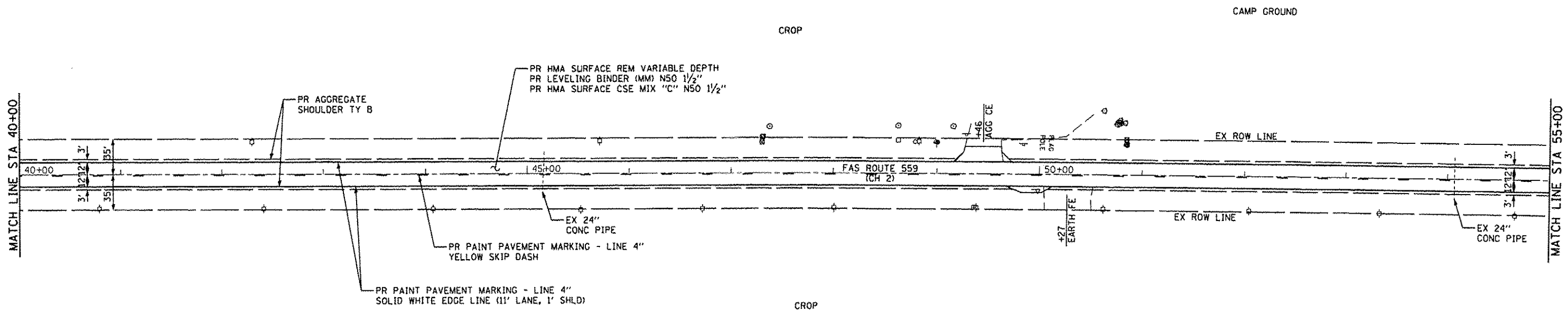
**LOGAN COUNTY
CH 2 IMPROVEMENTS**

PLAN AND PROFILE
SCALE: SHEET NO. OF SHEETS STA. TO STA.

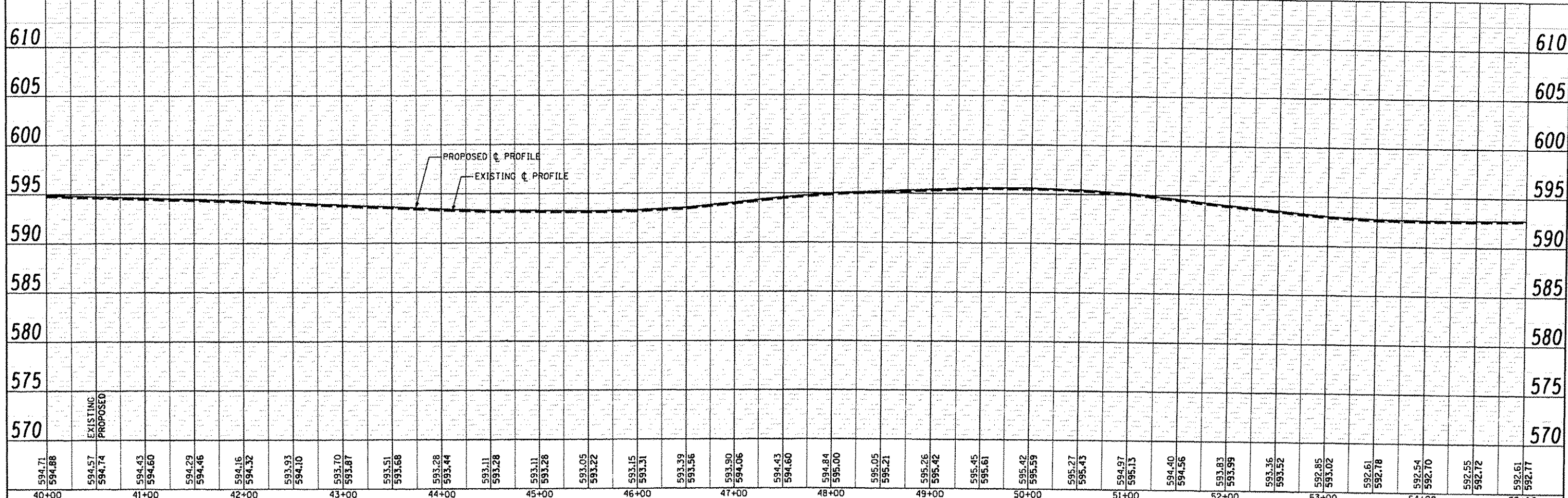
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	20
CONTRACT NO. *				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	DATE	
	BY	
	DATE	



PROFILE	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	DATE	
	BY	
	DATE	



594.71	594.68	594.57	594.74	594.43	594.60	594.29	594.46	594.16	594.32	593.93	594.10	593.70	593.87	593.51	593.68	593.28	593.44	593.11	593.28	593.11	593.28	593.05	593.22	593.15	593.31	593.39	593.56	593.90	594.06	594.43	594.60	594.84	595.00	595.05	595.21	595.26	595.42	595.45	595.61	595.42	595.59	595.27	595.43	594.97	595.13	594.40	594.56	593.83	593.99	593.36	593.52	592.85	593.02	592.61	592.78	592.54	592.70	592.55	592.72	592.61	592.77
40+00	41+00	42+00	43+00	44+00	45+00	46+00	47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00																																														



JOB # 2298	DESIGNED - NAK	REVISED -
FILE NAME + 2298plan2.dgn	DRAWN - SJS	REVISED -
PLOT SCALE + 1/8"=1'-0"	CHECKED - NAK	REVISED -
PLOT DATE + 11/12/2013	DATE - 10/20/2013	REVISED -

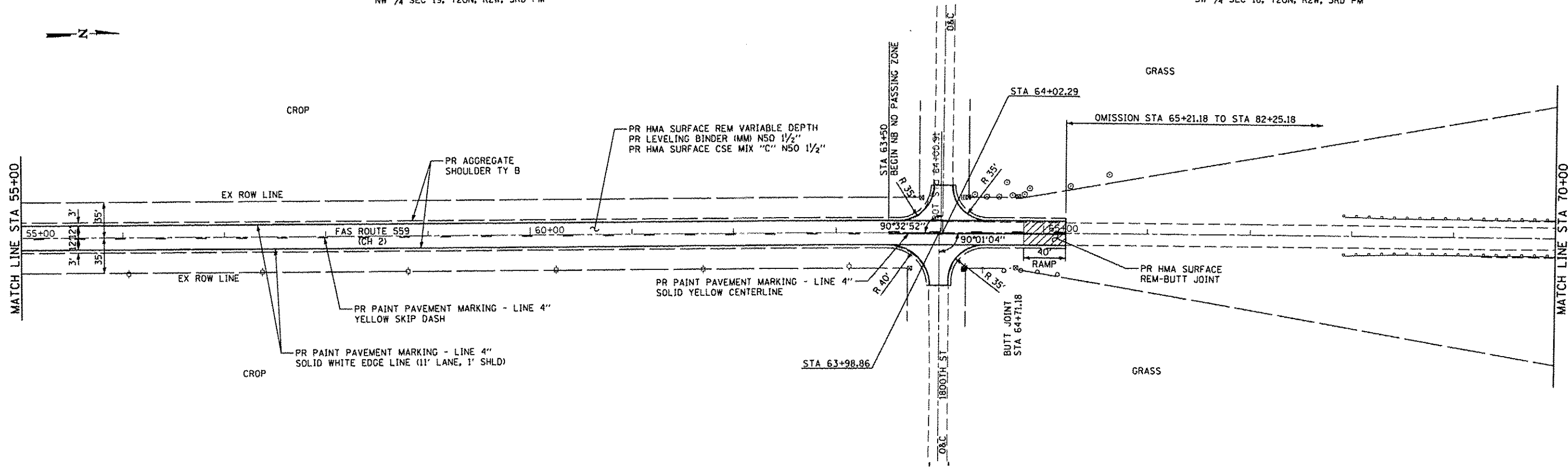
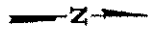
**LOGAN COUNTY
CH 2 IMPROVEMENTS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	21
CONTRACT NO. *				

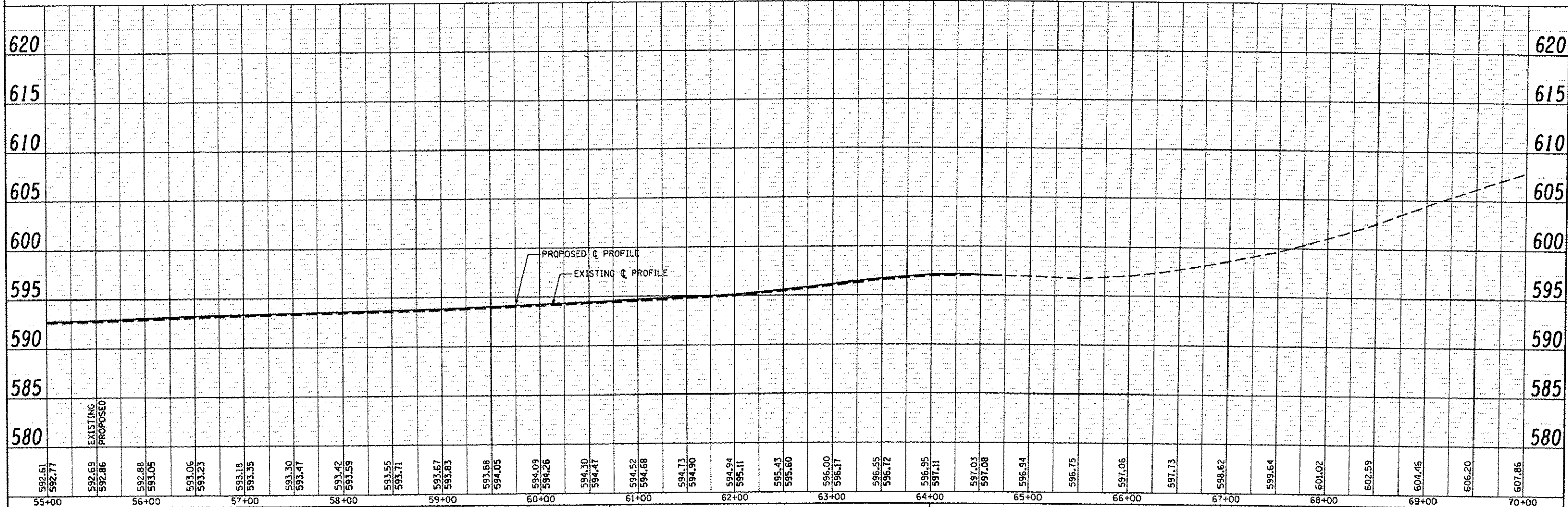
NW 1/4 SEC 19, T20N, R2W, 3RD PM

SW 1/4 SEC 18, T20N, R2W, 3RD PM



NE 1/4 SEC 19, T20N, R2W, 3RD PM

SE 1/4 SEC 19, T20N, R2W, 3RD PM



592.61	592.77	592.69	592.86	592.88	593.05	593.06	593.23	593.18	593.35	593.30	593.47	593.42	593.59	593.55	593.71	593.67	593.83	593.88	594.05	594.09	594.26	594.30	594.47	594.52	594.68	594.73	594.90	594.94	595.11	595.43	595.60	596.00	596.17	596.55	596.72	596.95	597.11	597.03	597.08	596.94	596.75	597.06	597.73	598.62	599.64	601.02	602.59	604.45	606.20	607.86
55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00	63+00	64+00	65+00	66+00	67+00	68+00	69+00	70+00																																			

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2298	DESIGNED - NAK	REVISED -
FILE NAME - 2298plan2.dgn	DRAWN - SJS	REVISED -
PLT SCALE - 100.0000' / IN.	CHECKED - NAK	REVISED -
PLT DATE - 11/26/2013	DATE - 10/20/2013	REVISED -

**LOGAN COUNTY
CH 2 IMPROVEMENTS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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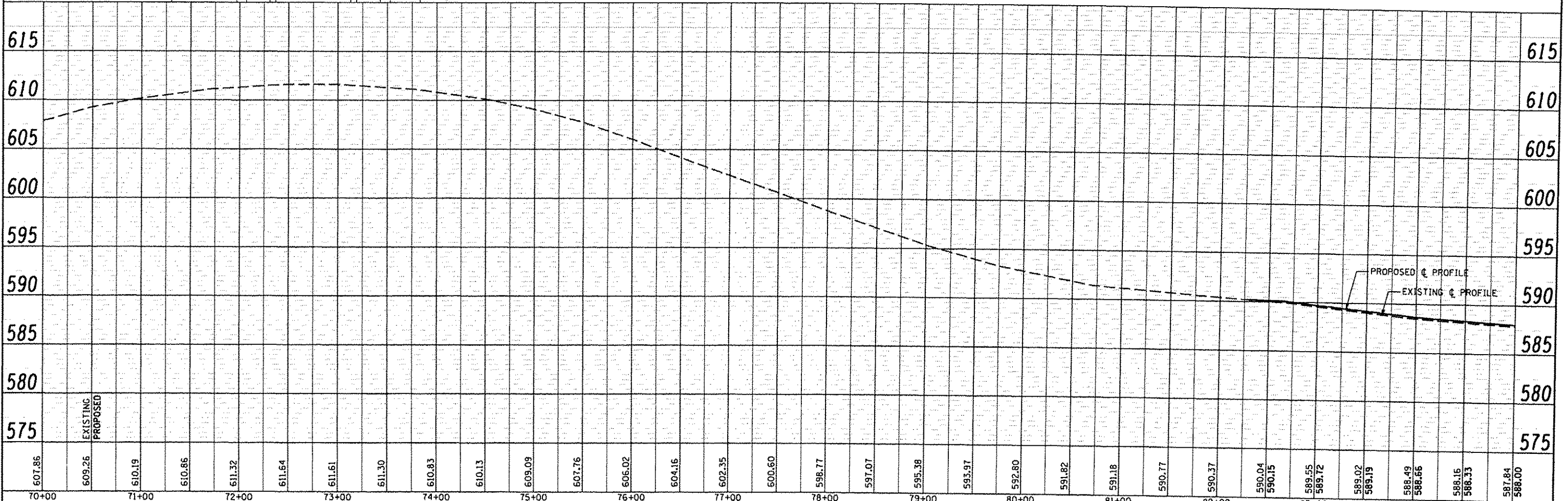
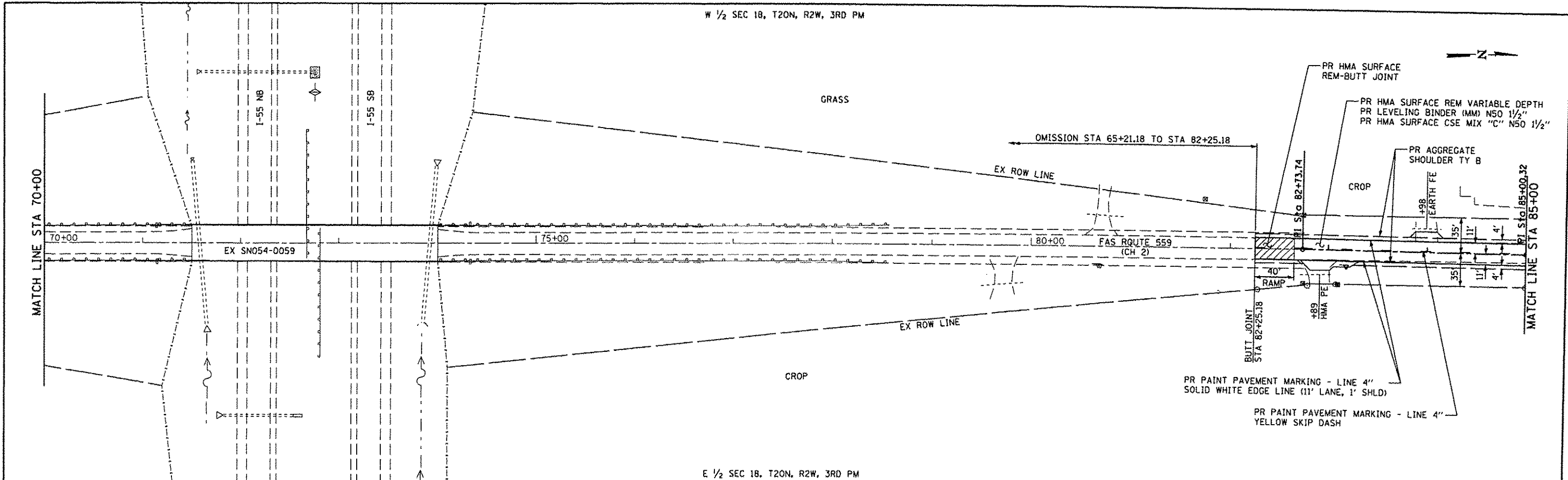
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. *

PLAN	DATE
BY	
NO.	

PROFILE	DATE
BY	
NO.	

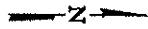
PLAN	DATE
BY	
CHECKED	
IN CHARGE	
NO. OF RAY CHECKED	
NO. OF FILE NAME	

PROFILE	DATE
BY	
CHECKED	
IN CHARGE	
NO. OF RAY CHECKED	
NO. OF FILE NAME	

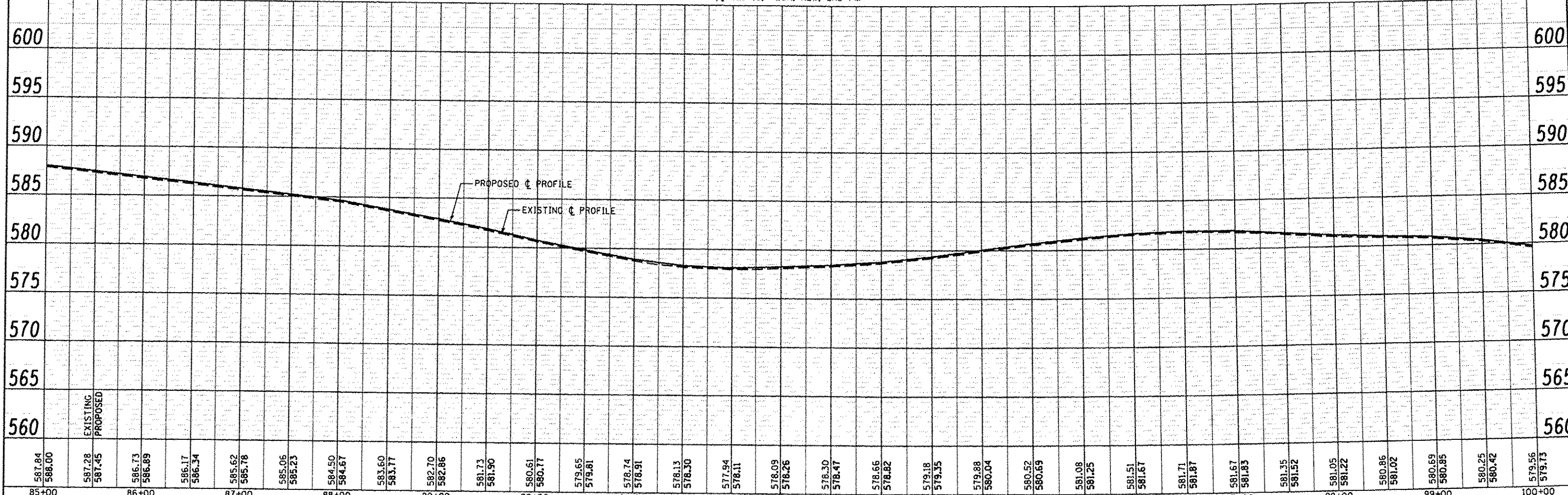
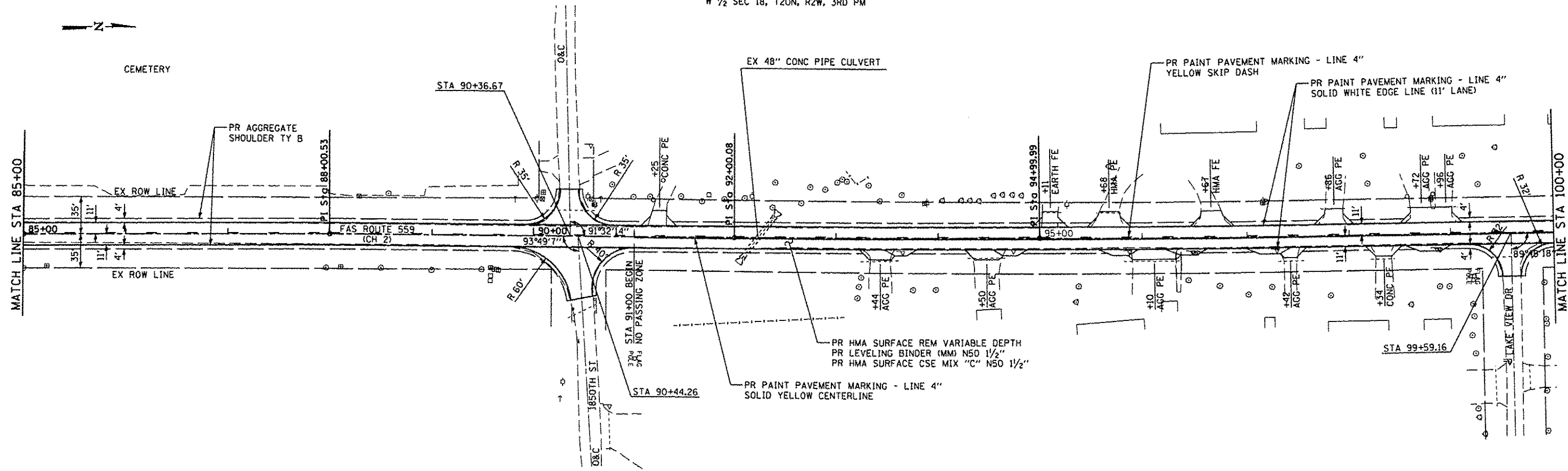


CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS	PLAN AND PROFILE				RTE. CH 2	SECTION 11-00311-02-RS	COUNTY LOGAN	TOTAL SHEETS 37	SHEET NO. 23
	FILE NAME * 2298plan2.dgn	DRAWN - SJS	REVISED -						CONTRACT NO. *				
	PLOT SCALE * 1/8" = 1' / IN. PLOT DATE * 11/26/2013	CHECKED - NAK	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
	DATE - 10/20/2013	REVISED -											

* 93614



CEMETERY



PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00	96+00	97+00	98+00	99+00	100+00																																														
587.84	588.00	587.28	587.45	586.73	586.89	586.17	586.34	585.62	585.78	585.06	585.23	584.50	584.67	583.60	583.77	582.70	582.86	581.73	581.90	580.61	580.77	579.65	579.81	578.74	578.91	578.13	578.30	577.94	578.11	578.09	578.26	578.30	578.47	578.66	578.82	579.18	579.35	579.88	580.04	580.52	580.69	581.08	581.25	581.51	581.67	581.71	581.87	581.67	581.83	581.35	581.52	581.05	581.22	580.86	581.02	580.69	580.85	580.25	580.42	579.56	579.73

CEC Cummins
Engineering Corporation
Civil and Structural Engineering

JOB # 2298	DESIGNED - NAK	REVISIONS
FILE NAME * 2298plan2.dgn	DRAWN - SJS	REVISIONS
PLOT SCALE * 1/8" = 1' / IN.	CHECKED - NAK	REVISIONS
PLOT DATE * 11/28/2013	DATE - 10/20/2013	REVISIONS

**LOGAN COUNTY
CH 2 IMPROVEMENTS**

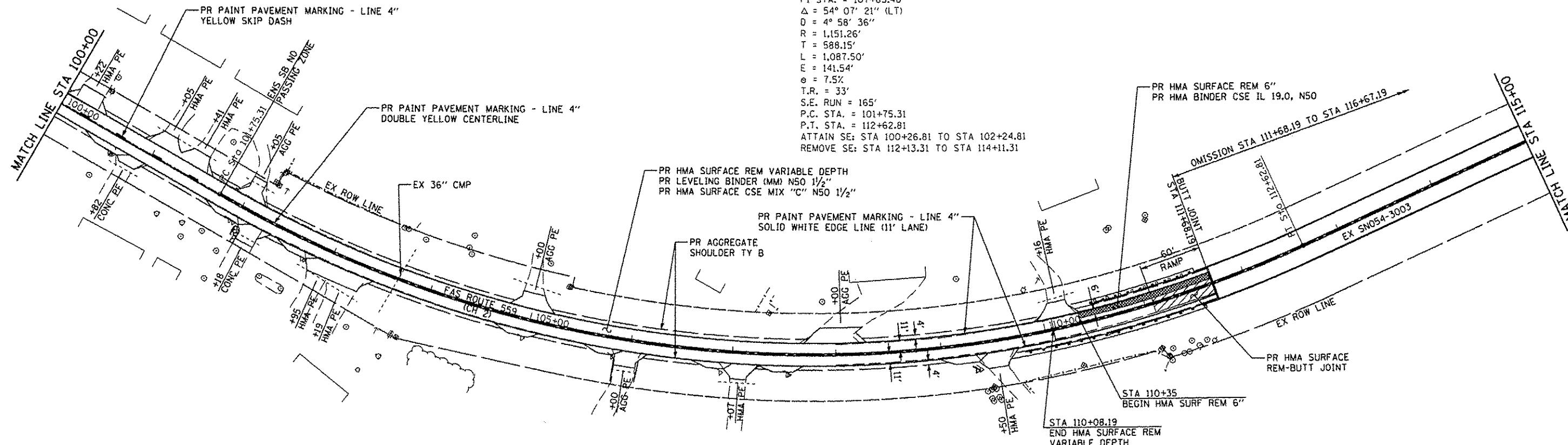
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	24
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. *

W 1/2 SEC 18, T20N, R2W, 3RD PM

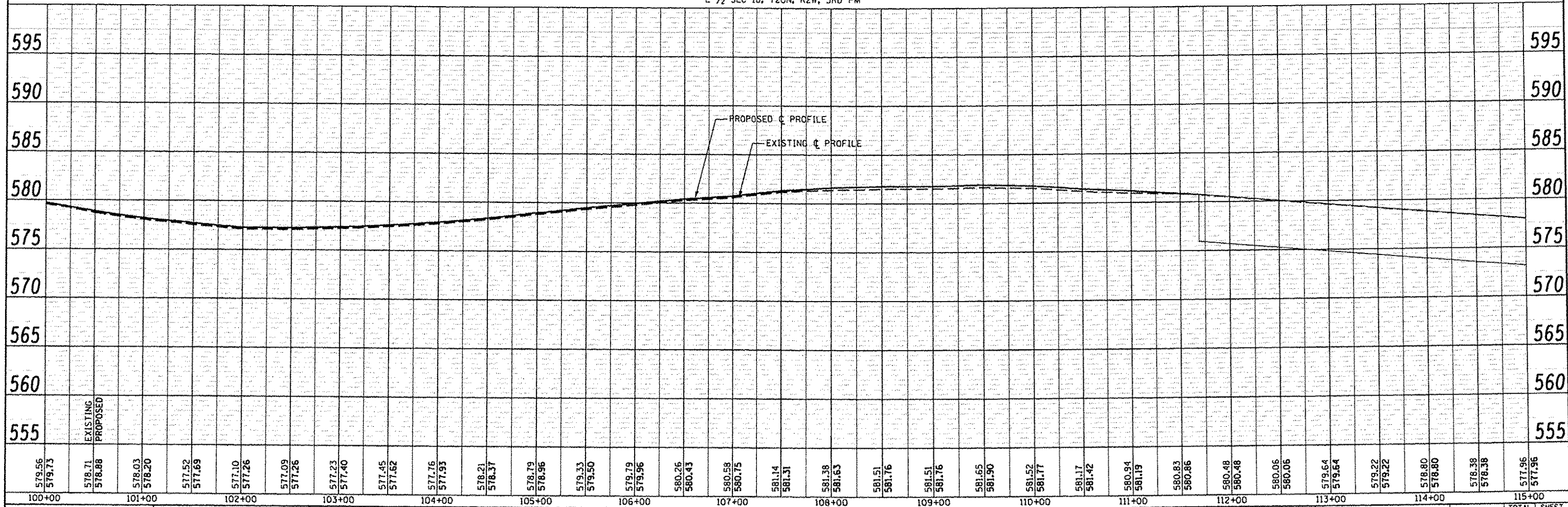
EXIST. CURVE CURV1
 PI STA. = 107+63.46
 Δ = 54° 07' 21" (LT)
 D = 4° 58' 36"
 R = 1,151.26'
 T = 588.15'
 L = 1,087.50'
 E = 141.54'
 θ = 7.5%
 T.R. = 33'
 S.E. RUN = 165'
 P.C. STA. = 101+75.31
 P.T. STA. = 112+62.81
 ATTAIN SE: STA 100+26.81 TO STA 102+24.81
 REMOVE SE: STA 112+13.31 TO STA 114+11.31

PLAN	DATE
BY	
NO.	
NO.	
NO.	



E 1/2 SEC 18, T20N, R2W, 3RD PM

PROFILE	DATE
BY	
NO.	
NO.	
NO.	



579.56	579.73	578.71	578.88	578.03	578.20	577.52	577.69	577.10	577.26	577.09	577.26	577.23	577.40	577.45	577.62	577.76	577.93	578.21	578.37	578.79	578.96	579.33	579.50	579.79	579.96	580.26	580.43	580.58	580.75	581.14	581.31	581.38	581.53	581.51	581.76	581.51	581.76	581.65	581.90	581.52	581.77	581.17	581.42	580.94	581.19	580.83	580.96	580.48	580.48	580.06	580.06	579.64	579.84	579.22	579.22	578.80	578.80	578.38	578.38	577.96	577.96
100+00	101+00	102+00	103+00	104+00	105+00	106+00	107+00	108+00	109+00	110+00	111+00	112+00	113+00	114+00	115+00																																														

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB # 2298
 FILE NAME = 2298plan2.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 PLOT DATE = 1/20/2014

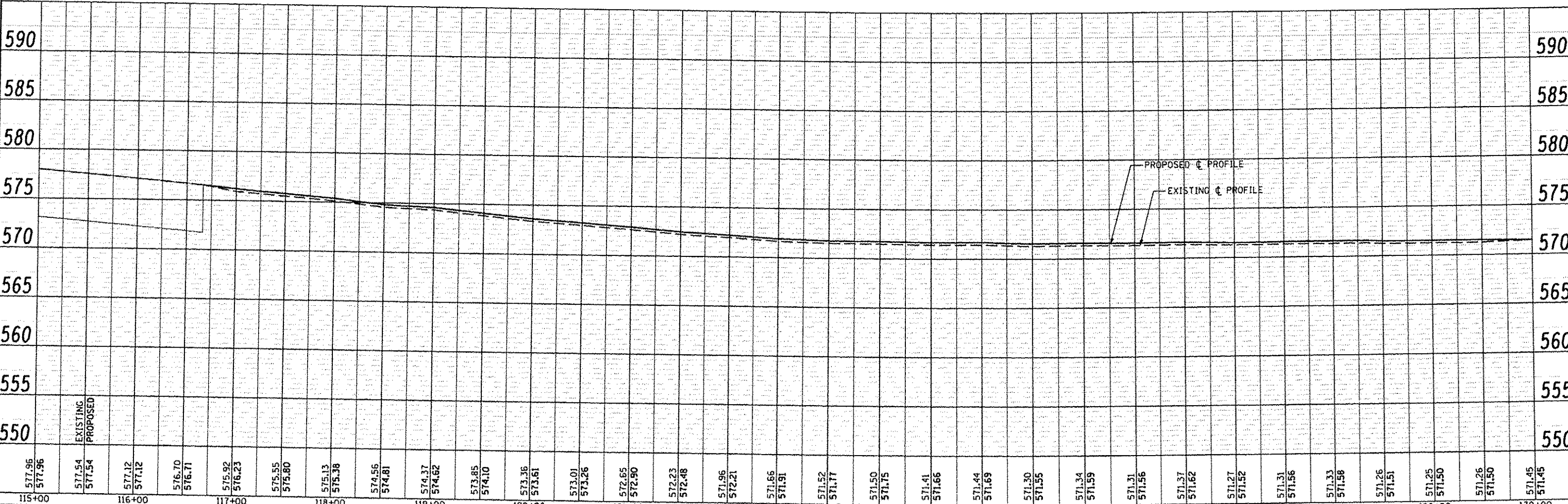
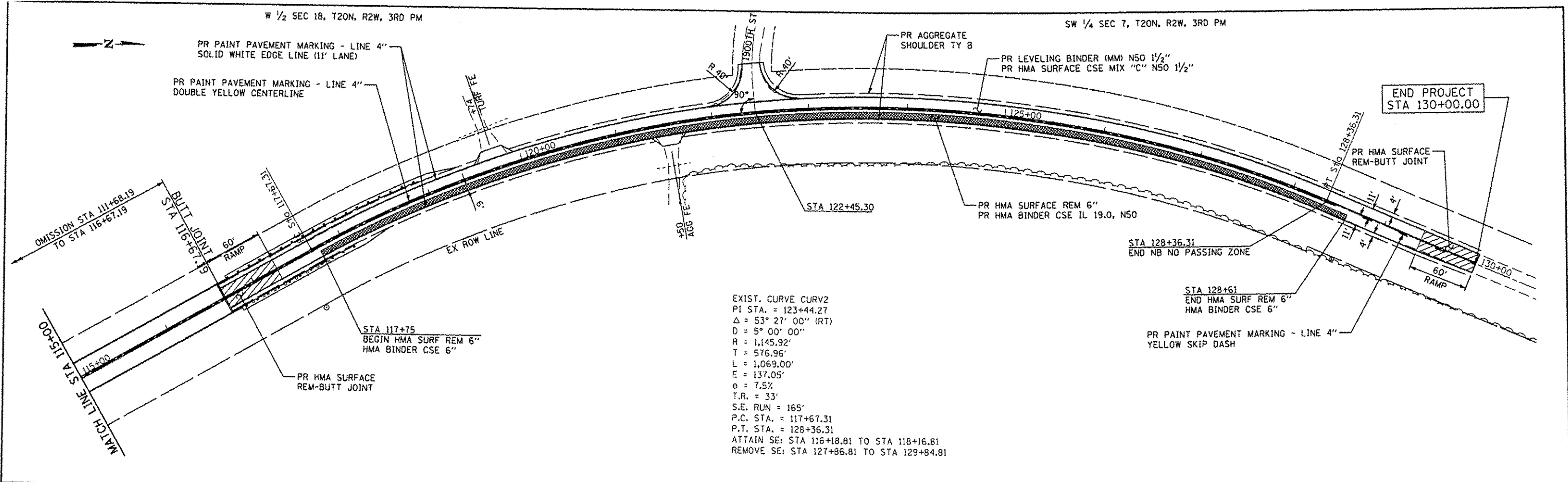
DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 10/20/2013

LOGAN COUNTY
 CH 2 IMPROVEMENTS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	25
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. *

PLAN	DATE	BY
REVISIONS		

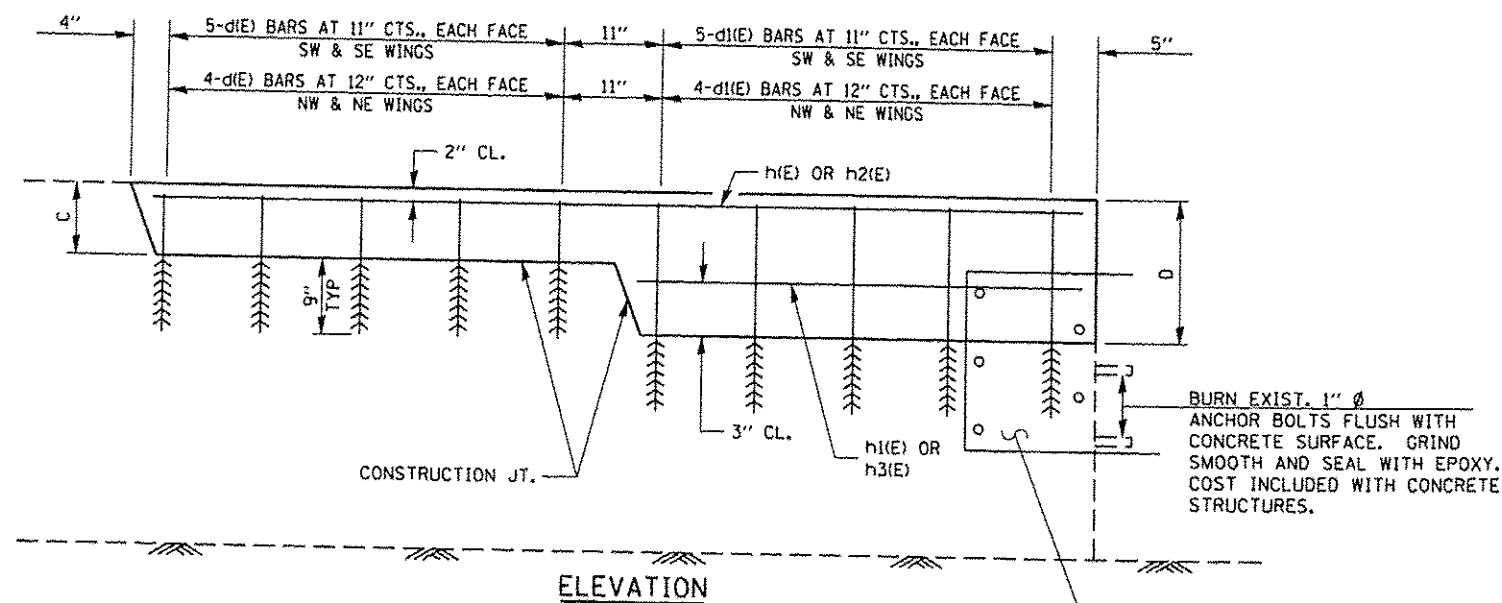
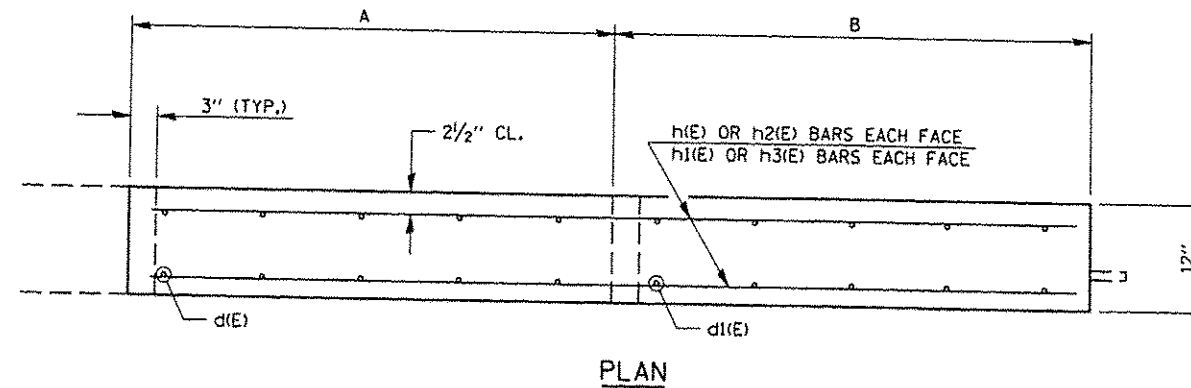
PROFILE	DATE	BY
REVISIONS		



CEC	Cummins Engineering Corporation	JOB # 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS		PLAN AND PROFILE			
		FILE NAME • 2298plan2.dgn	DRAWN - SJS	REVISED -		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE • 1/8" = 1' IN.	CHECKED - NAK	REVISED -	CH 2	11-00311-02-RS		LOGAN	37	26		
PLOT DATE • 1/28/2014	DATE - 10/20/2013	REVISED -	CONTRACT NO. *							

* 93614

PARAPET MODIFICATION FOR TYPE 6 TERMINAL ATTACHMENT



4 PARAPETS (SN 054-3003)

BILL OF MATERIAL & BAR LIST				
BAR	NO.	SIZE	LENGTH	SHAPE
d(E)	36	4	1'-3"	—
d1(E)	36	4	1'-11"	—
h(E)	4	4	8'-8"	—
h1(E)	4	4	4'-2"	—
h2(E)	4	4	7'-4"	—
h3(E)	4	4	3'-6"	—
CONCRETE STRUCTURES			CU. YD.	1.2
REINFORCEMENT BARS, EPOXY COATED			POUND	140

DIMENSION TABLE				
LOCATION	A	B	C	D
SW	4'-6"	4'-6"	8"	1'-4"
SE	4'-6"	4'-6"	8"	1'-4"
NE	3'-10"	3'-10"	8"	1'-4"
NW	3'-10"	3'-10"	8"	1'-4"

GENERAL NOTES

- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- ALL EDGES SHALL HAVE STANDARD 3/4" CHAMFERS.
- CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- BARS DESIGNATED d(E) & d1(E) SHALL BE DRILLED AND GROUTED INTO THE EXISTING CONCRETE PARAPET. EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

* 93614

STEEL PLATE BEAM GUARD RAIL, TYPE A 6 FOOT POSTS

LOCATION	FOOT
LT STA 111+00.04 TO STA 111+12.54	12.5
LT STA 117+20.84 TO STA 118+45.84	125.0
RT STA 110+25.04 TO STA 111+12.54	87.5
RT STA 117+20.84 TO STA 117+58.34	37.5
TOTAL	262.5

TRAFFIC BARRIER TERMINAL, TYPE 6

LOCATION	EACH
LT STA 111+12.54 TO STA 111+56.29	1
LT STA 116+77.09 TO STA 117+20.84	1
RT STA 111+12.54 TO STA 111+56.29	1
RT STA 116+77.09 TO STA 117+20.84	1
TOTAL	4

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

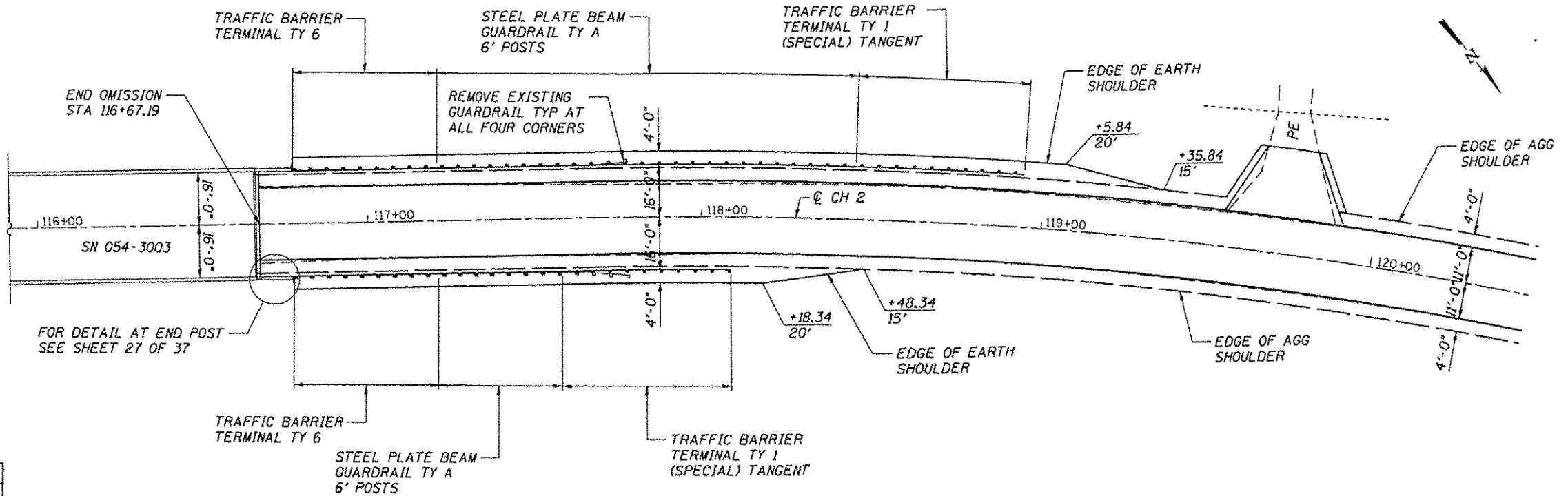
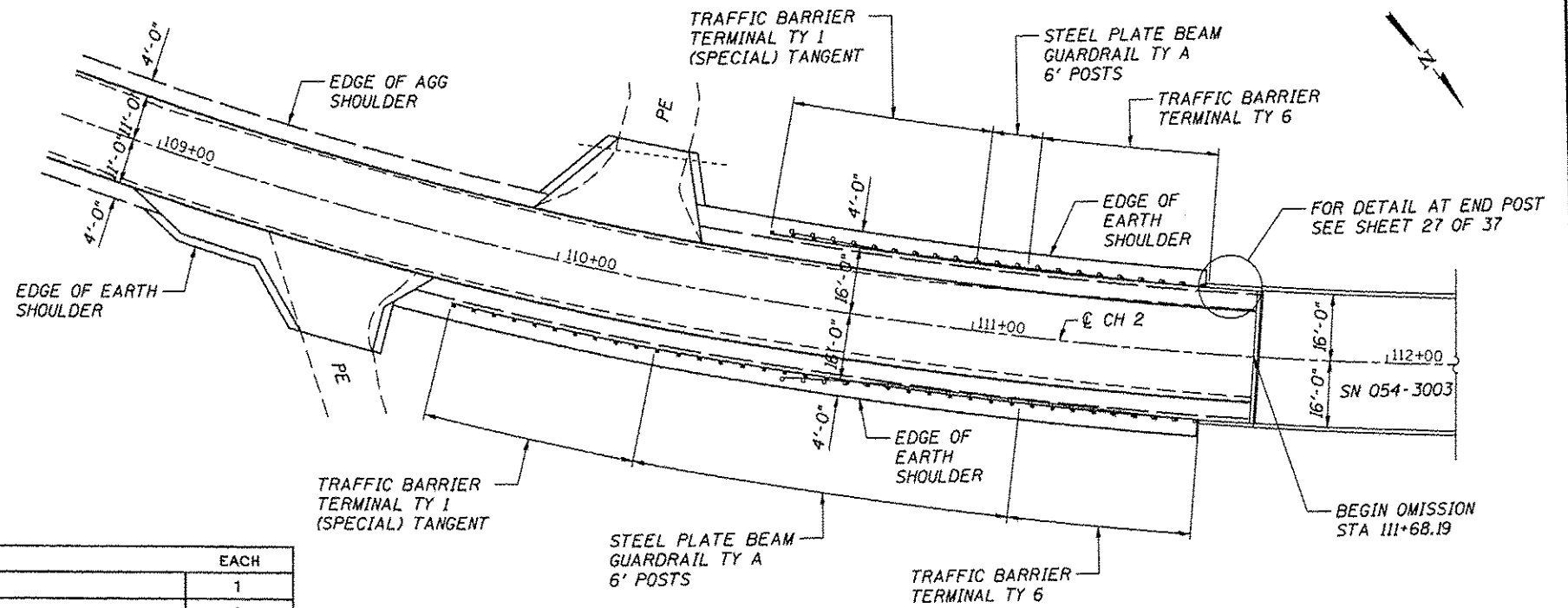
LOCATION	EACH
LT STA 110+50.04 TO STA 111+00.04	1
LT STA 118+45.84 TO STA 118+95.84	1
RT STA 109+75.04 TO STA 110+25.04	1
RT STA 117+58.34 TO STA 118+08.34	1
TOTAL	4

GUARDRAIL MARKERS, TYPE A

LOCATION	EACH
LT STA 111+00.04 TO STA 118+45.84	10
RT STA 110+25.04 TO STA 117+58.34	10
TOTAL	20

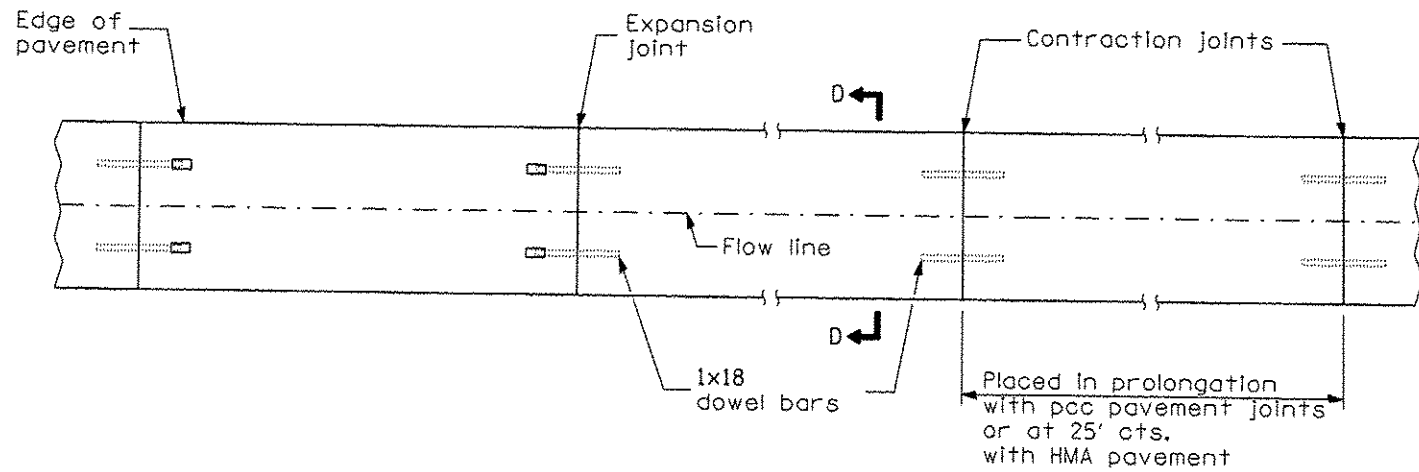
TERMINAL MARKER - DIRECT APPLIED

LOCATION	EACH
LT STA 110+50.04	1
LT STA 118+95.84	1
RT STA 109+75.04	1
RT STA 118+08.34	1
TOTAL	4



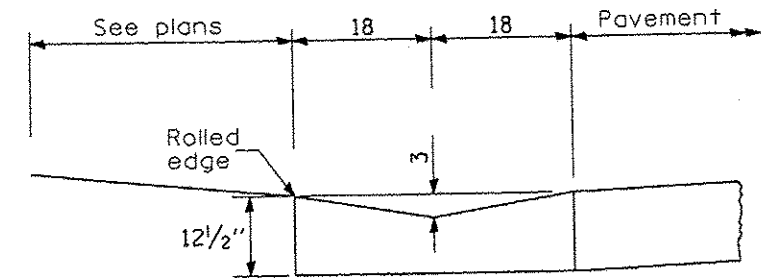
GUARDRAIL REMOVAL

LOCATION	FOOT
LT STA 110+55.69 TO STA 111+55.69	100
LT STA 116+77.09 TO STA 117+77.09	100
RT STA 110+55.69 TO STA 111+55.69	100
RT STA 116+77.09 TO STA 117+77.09	100
TOTAL	400

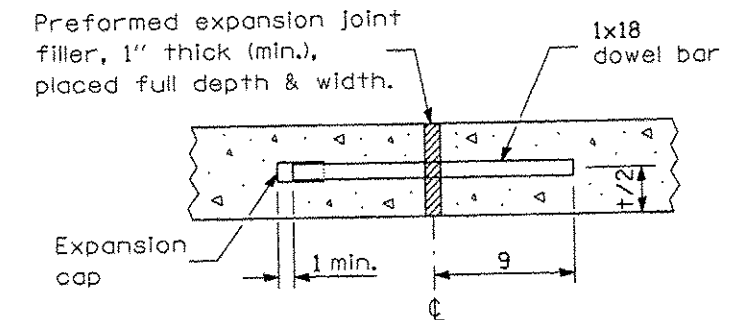


PLAN

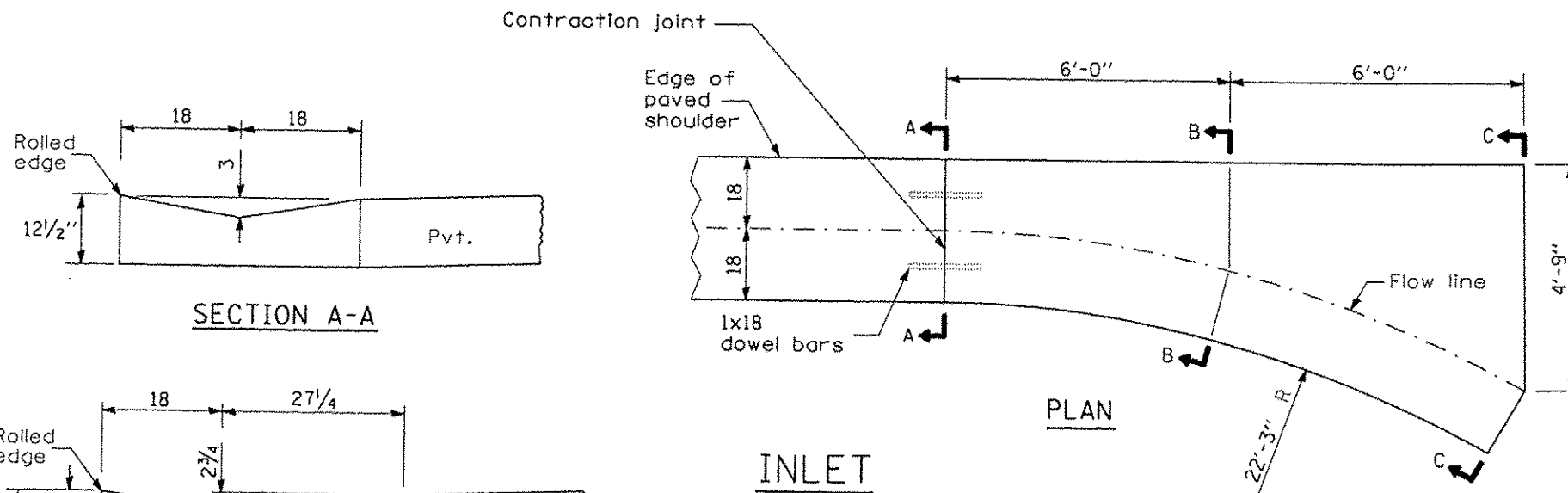
TYPE A GUTTER (MODIFIED)



SECTION D-D



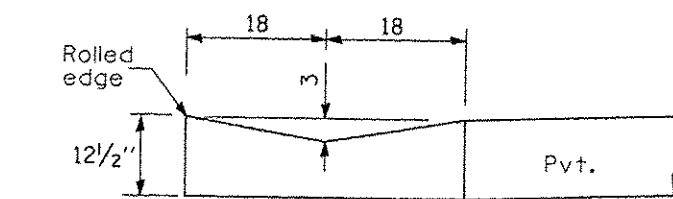
EXPANSION JOINT



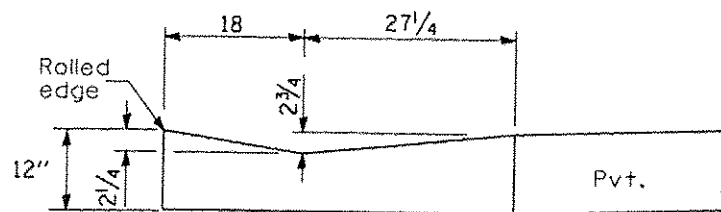
PLAN

INLET

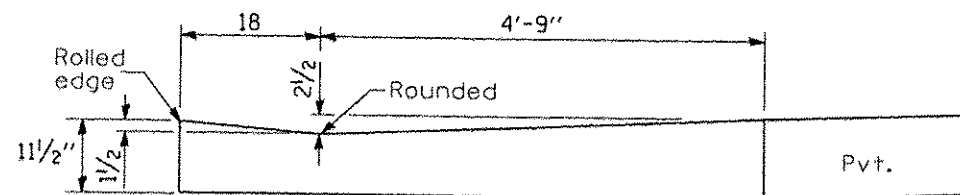
QUANTITY OF CONCRETE
Section A-A to C-C
1.73 cu. yd.



SECTION A-A



SECTION B-B



SECTION C-C

**TYPE A GUTTER (SPECIAL)
(INLET, OUTLET & ENTRANCE)**

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB - 2298
FILE NAME - 2298duster.dgn
PLOT SCALE - 2,476 1/8" / IN.
PLOT DATE - 18/31/2013

DESIGNED - NAK
DRAWN - TSH
CHECKED - NAK
DATE - 8/7/2012

REVISED -
REVISED -
REVISED -
REVISED -

**LOGAN COUNTY
CH 2 IMPROVEMENTS**

GUTTER DETAILS

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

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. *	

QUANTITIES OF CONCRETE

All Entrances:

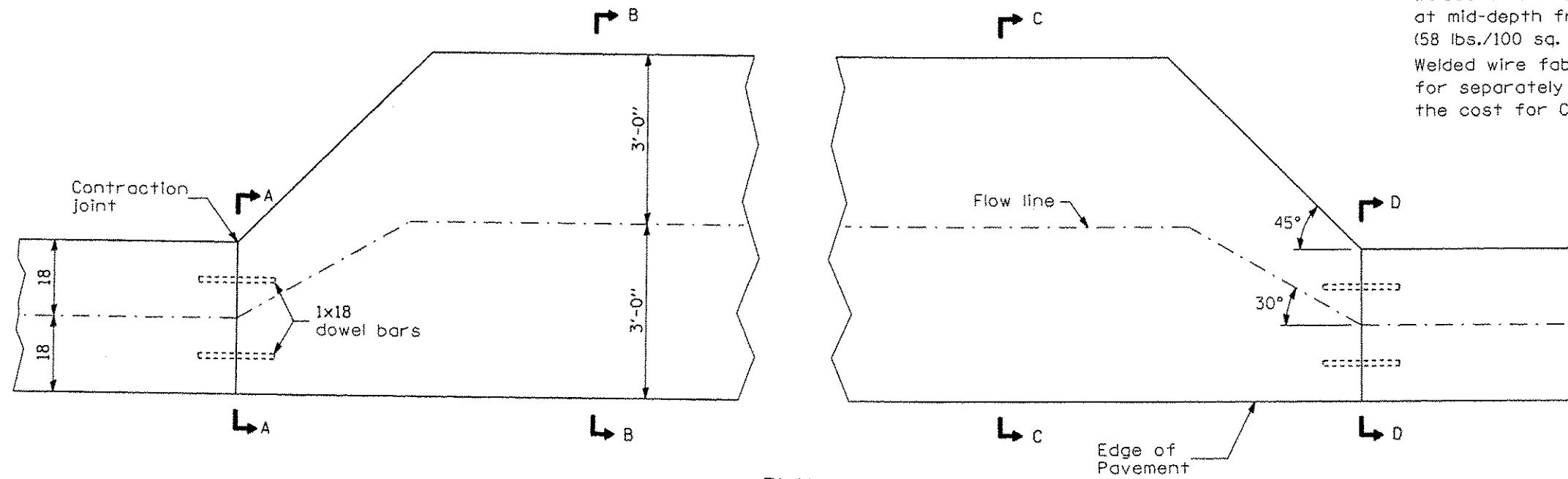
Section B-B to C-C = 0.19 cu. yd./ft.

Section (A-A to B-B) + (C-C to D-D) = 0.88 cu. yd.

NOTE

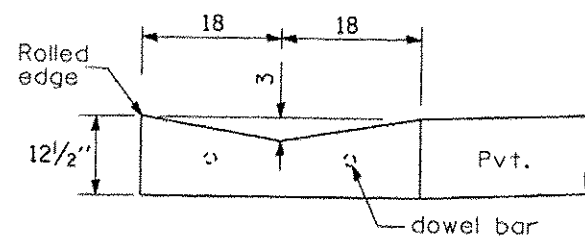
Welded wire fabric shall be installed at mid-depth from Section A-A to D-D. (58 lbs./100 sq. ft.)

Welded wire fabric will not be paid for separately but shall be included in the cost for CLASS SI CONCRETE (OUTLET).

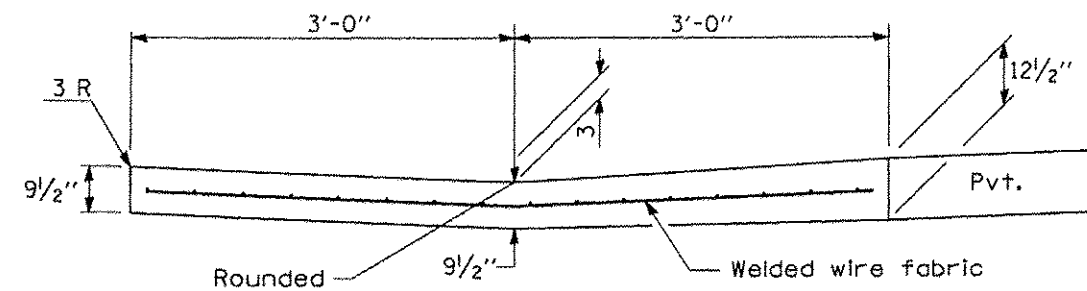


PLAN

ENTRANCE



SECTIONS A-A & D-D



SECTIONS B-B & C-C

TYPE A GUTTER (SPECIAL)
(INLET, OUTLET & ENTRANCE)



JOB = 2298	DESIGNED - NAK	REVISED -
FILE NAME = 2298Outlet.dgn	DRAWN - TSH	REVISED -
PLOT SCALE = 2.476 FL / IN.	CHECKED - NAK	REVISED -
PLOT DATE = 11/12/2013	DATE - 9/7/2012	REVISED -

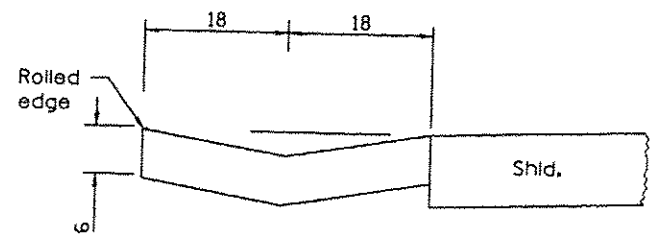
LOGAN COUNTY
CH 2 IMPROVEMENTS

GUTTER DETAILS

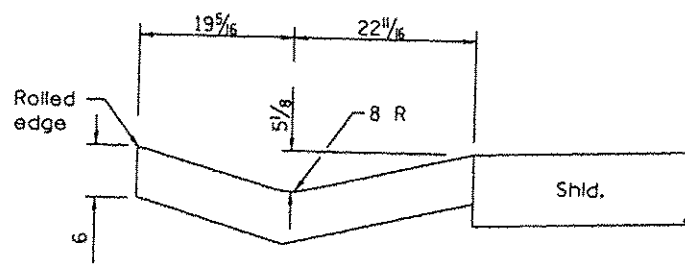
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

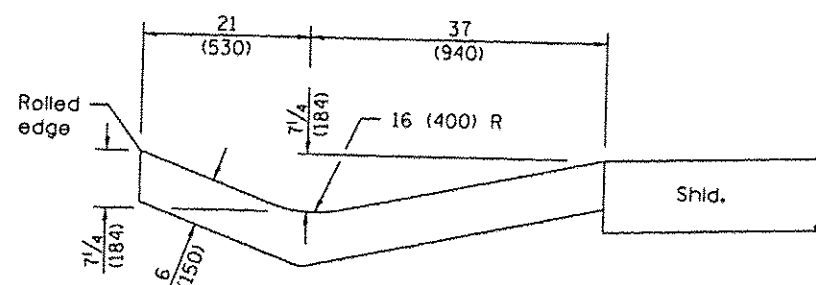
93014



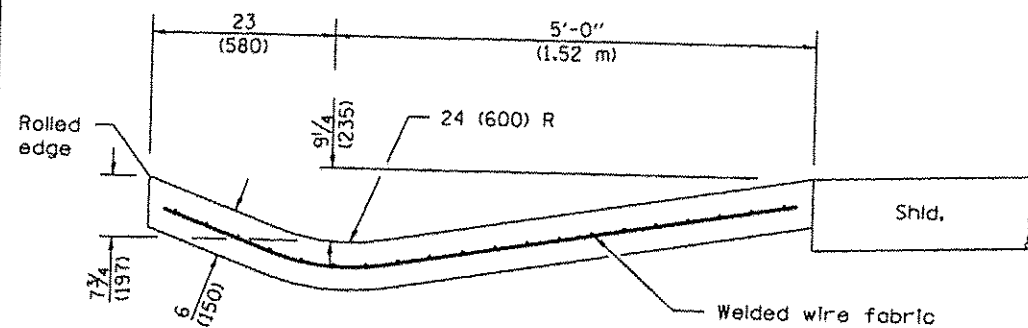
SECTION A-A



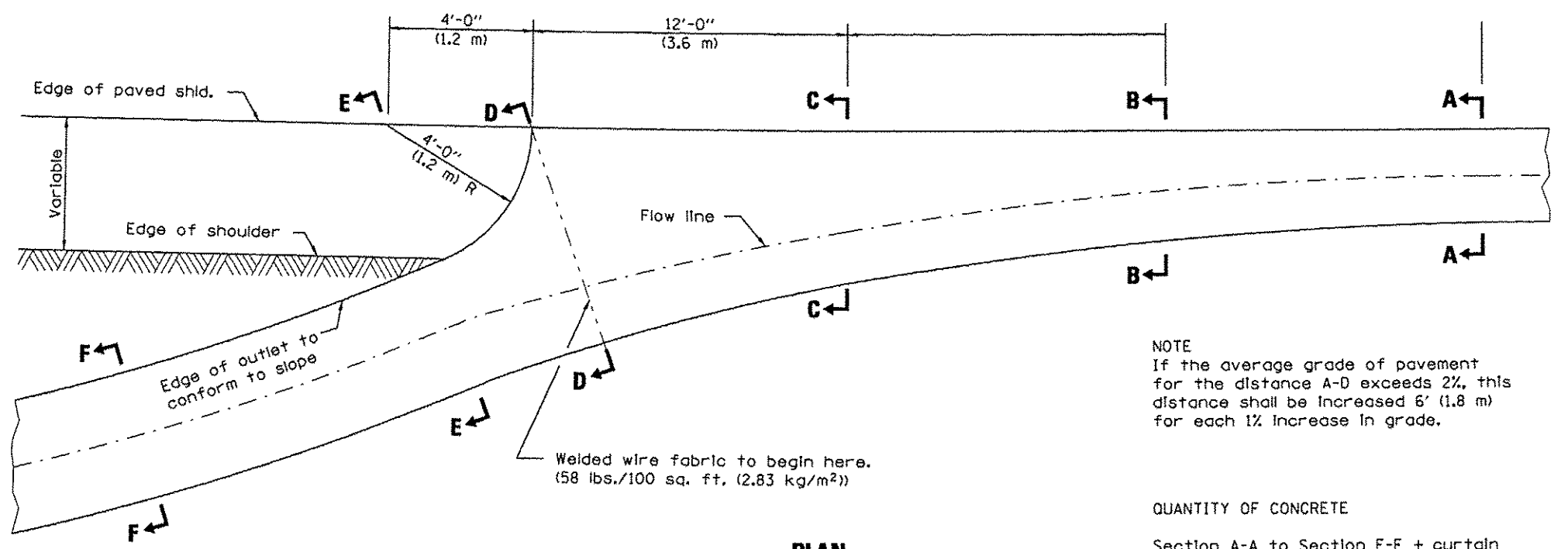
SECTION B-B



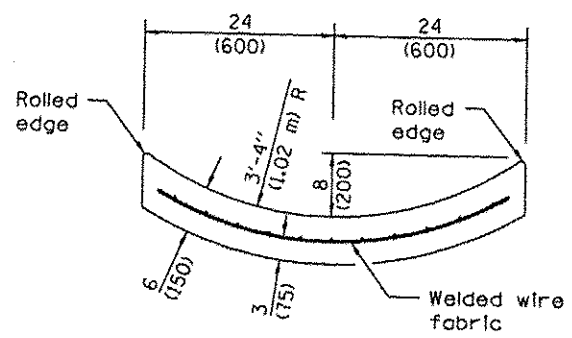
SECTION C-C



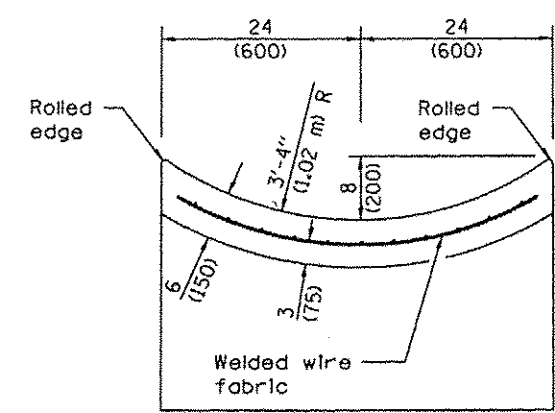
SECTION D-D



OUTLET



SECTION F-F

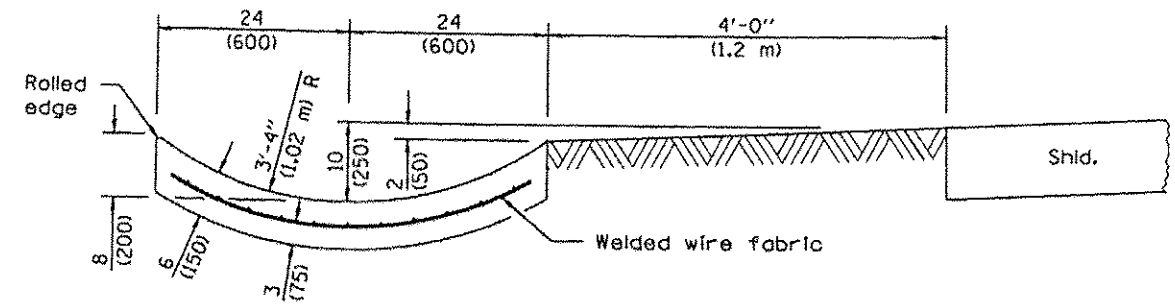
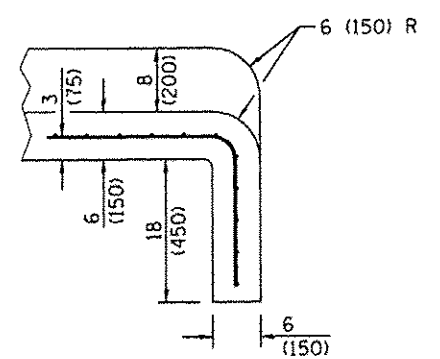


SECTION E-E

NOTE
If the average grade of pavement for the distance A-D exceeds 2%, this distance shall be increased 6' (1.8 m) for each 1% increase in grade.

QUANTITY OF CONCRETE

Section A-A to Section E-E + curtain wall = 3.53 cu. yd. (2.70 m³) of concrete.
Section F-F = 0.079 cu. yd./ft. (0.2 m³/m).



JOB # 2245
FILE NAME = 22780Gutter.dgn
PLOT SCALE = 2.478 PL / IN.
PLOT DATE = 10/31/2013

DESIGNED - NAK
DRAWN - TSH
CHECKED - NAK
DATE - 4/9/2012

REVISED -
REVISED -
REVISED -
REVISED -

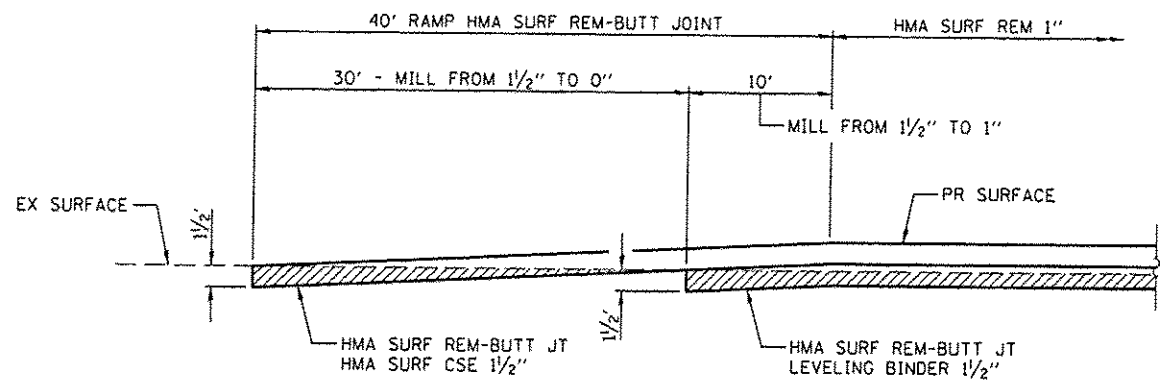
**LOGAN COUNTY
CH 2 IMPROVEMENTS**

GUTTER DETAILS

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

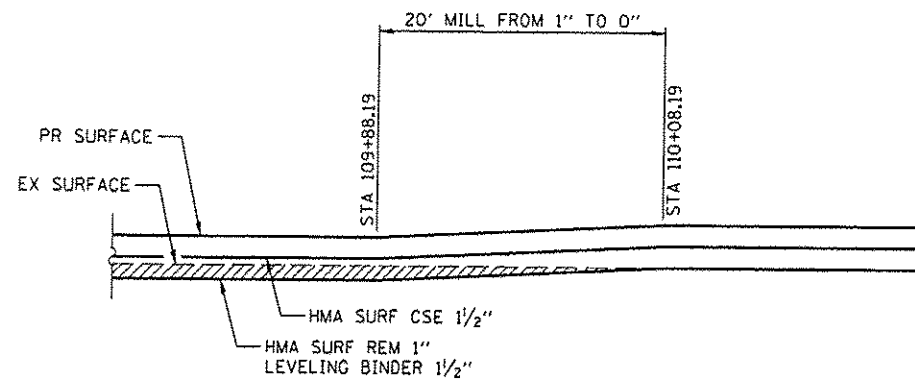
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	31
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. *	

* 93614

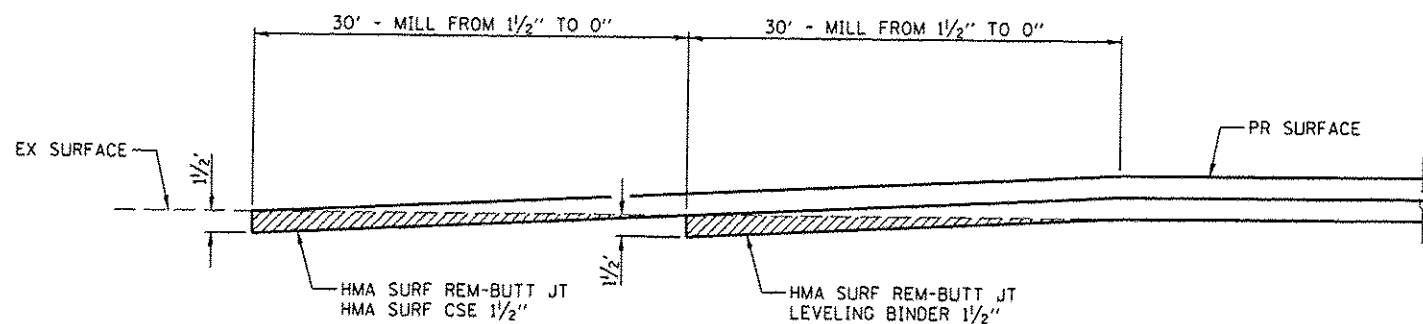


BUTT JOINT DETAIL

STA 10+74.24
 STA 65+21.18
 STA 82+25.18

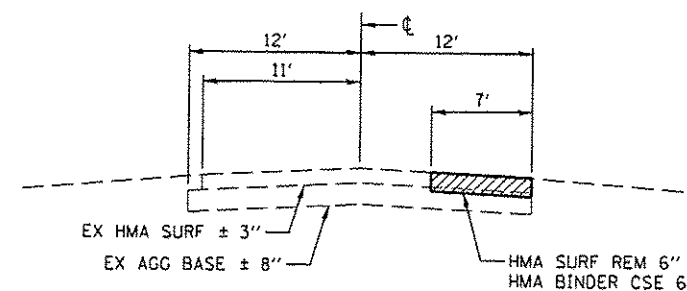


MILLING TRANSITION DETAIL



BUTT JOINT DETAIL

STA 111+68.19
 STA 116+67.19
 STA 130+00.00



PATCHING DETAIL

LT STA 110+35.00 TO STA 111+68.19
 RT STA 117+75.50 TO STA 128+61.00

* 93614



JOB # 2298
 FILE NAME = 2298detail.dgn
 PLOT SCALE = 1/32" = 1' IN.
 PLOT DATE = 1/30/2014

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 11/19/2012

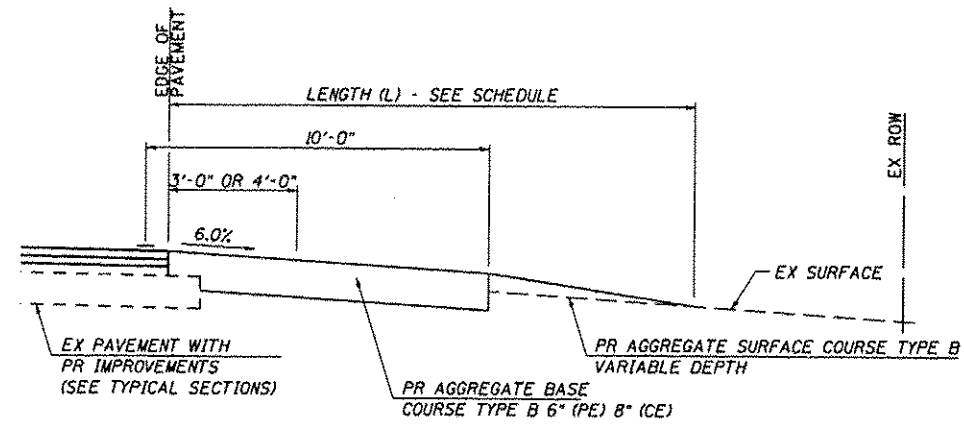
REVISED -
 REVISED -
 REVISED -
 REVISED -

**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

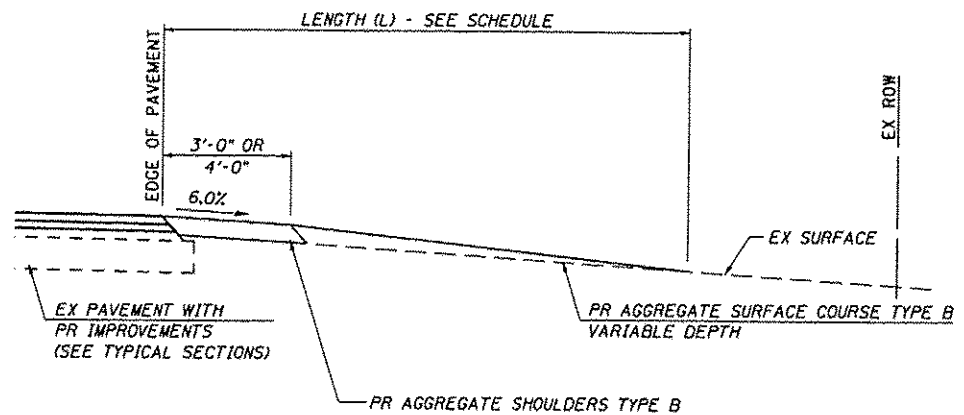
**BUTT JOINT AND
 PATCHING DETAILS**

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

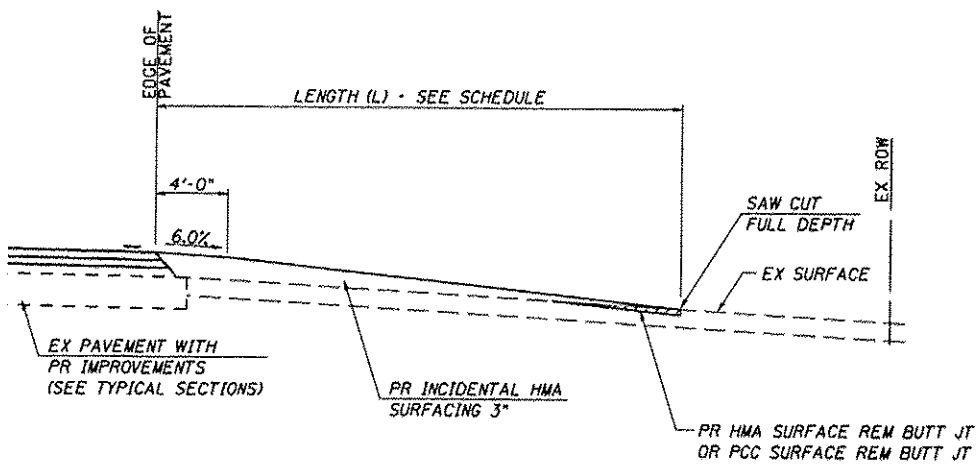
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	32
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. *	



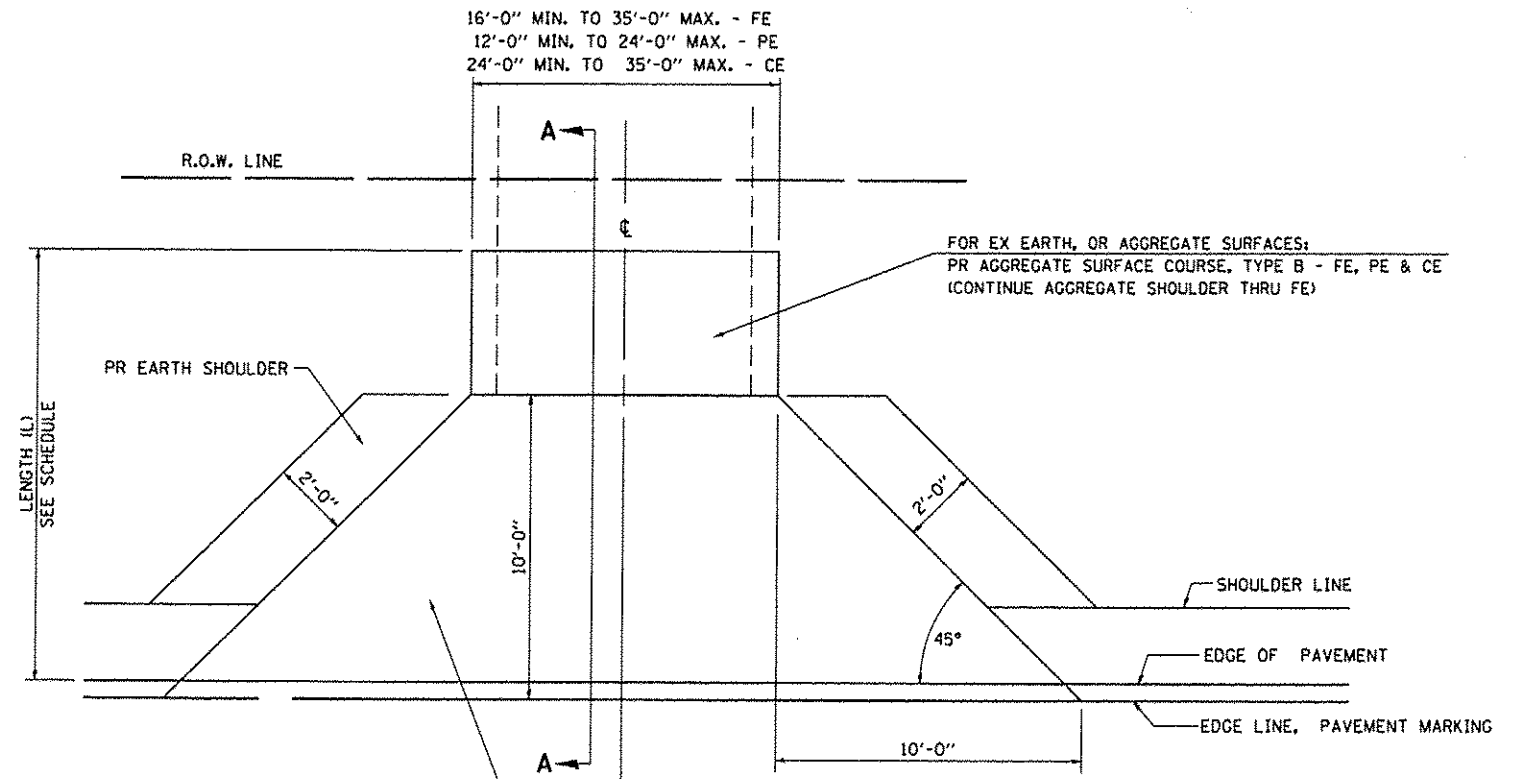
SECTION A-A FOR EX AGG CE OR PE



SECTION A-A FOR EX EARTH OR AGG FE



SECTION A-A FOR EX HMA OR CONC CE OR PE



FOR EX EARTH OR AGGREGATE SURFACES:
 PR AGGREGATE SHOULDER THRU - FE
 PR AGG BASE COURSE TYPE B 6" (PE) 8" (CE)
 PR INCIDENTAL BIT. SURFACING 3" - PE/CE

FOR EX HMA & CONCRETE SURFACES:
 PR DRIVEWAY PAVEMENT REMOVAL
 PR AGG BASE COURSE TYPE B 6" (PE) 8" (CE)
 PR INCIDENTAL HMA SURFACING 3"

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

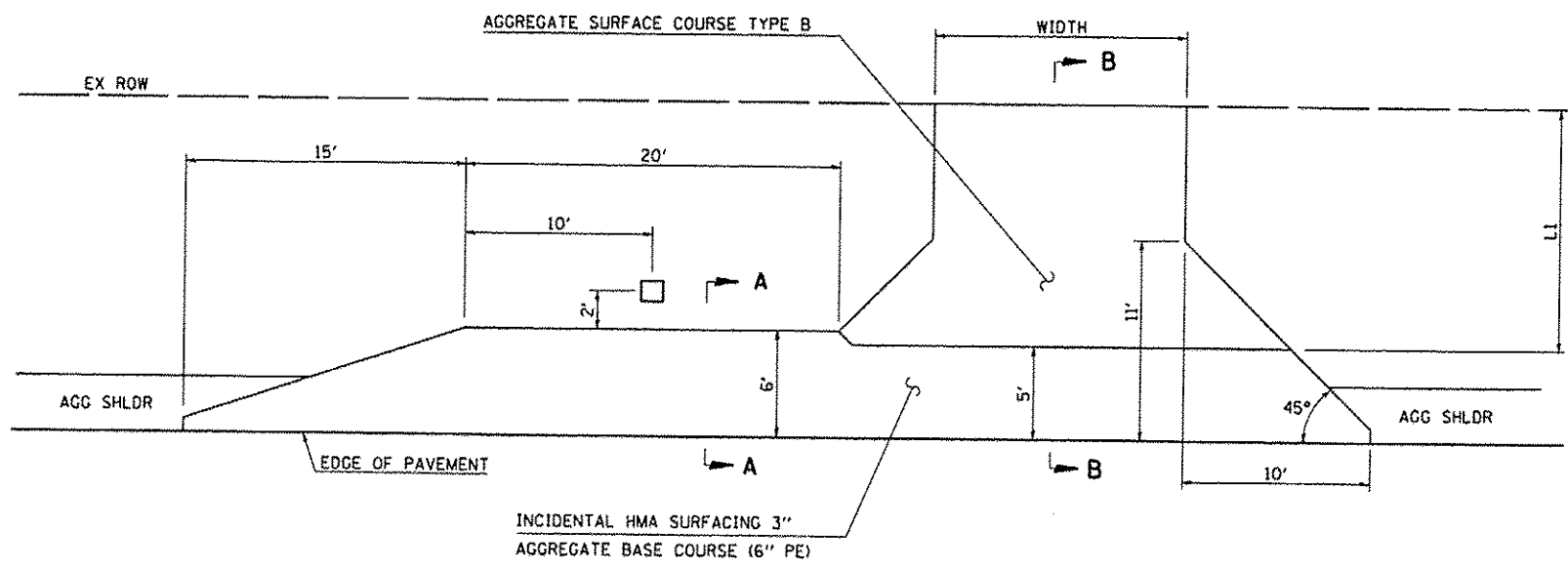
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HOT-MIX ASPHALT REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

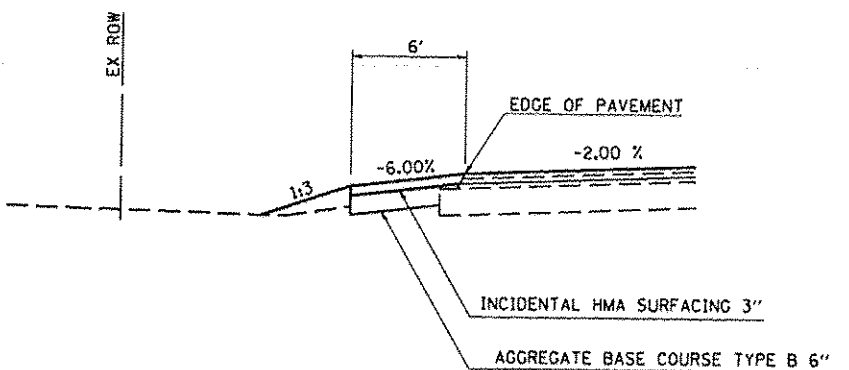
WHEN THE HOT-MIX ASPHALT PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRES PLACEMENT IN MORE THAN ONE LIFT, THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT BINDER COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 1 1/2 INCHES SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT SURFACE COURSE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

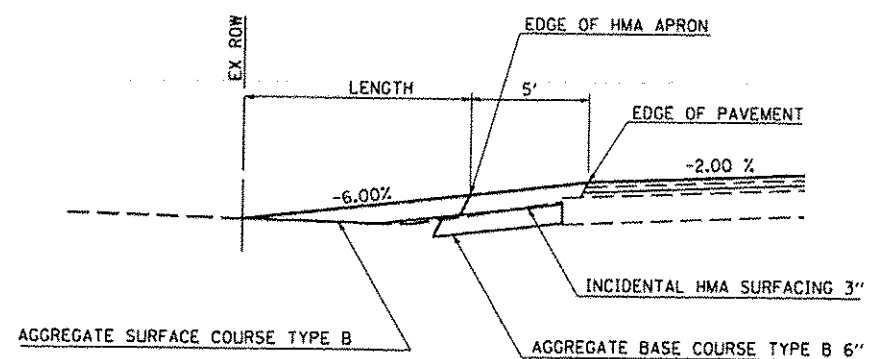
* 93614



**PLAN - PE WITH MAILBOX TURNOUT
WITH AGGREGATE SHOULDER**



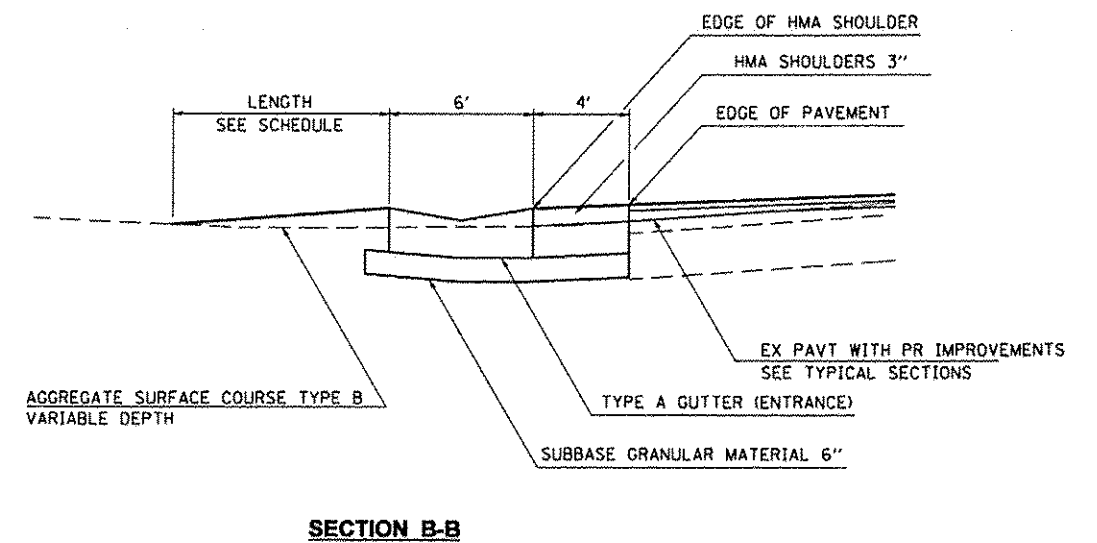
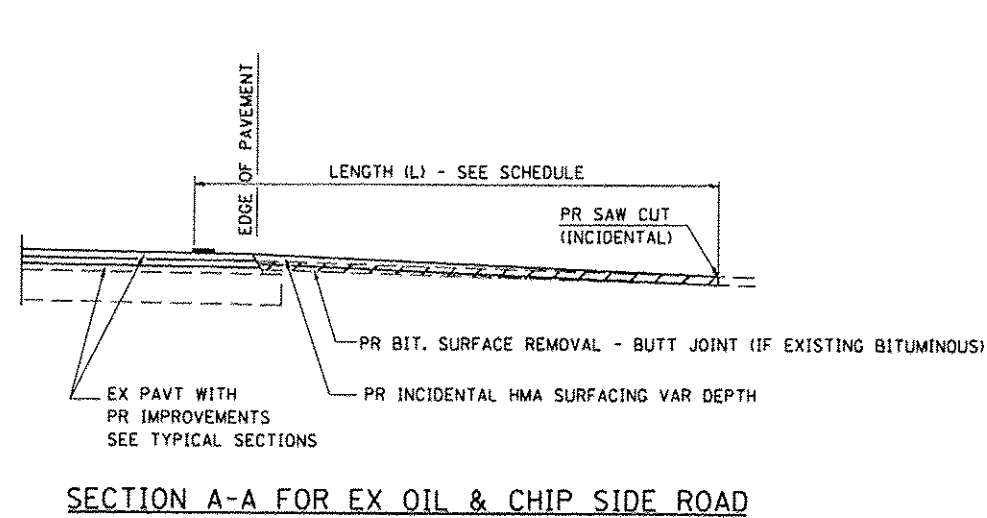
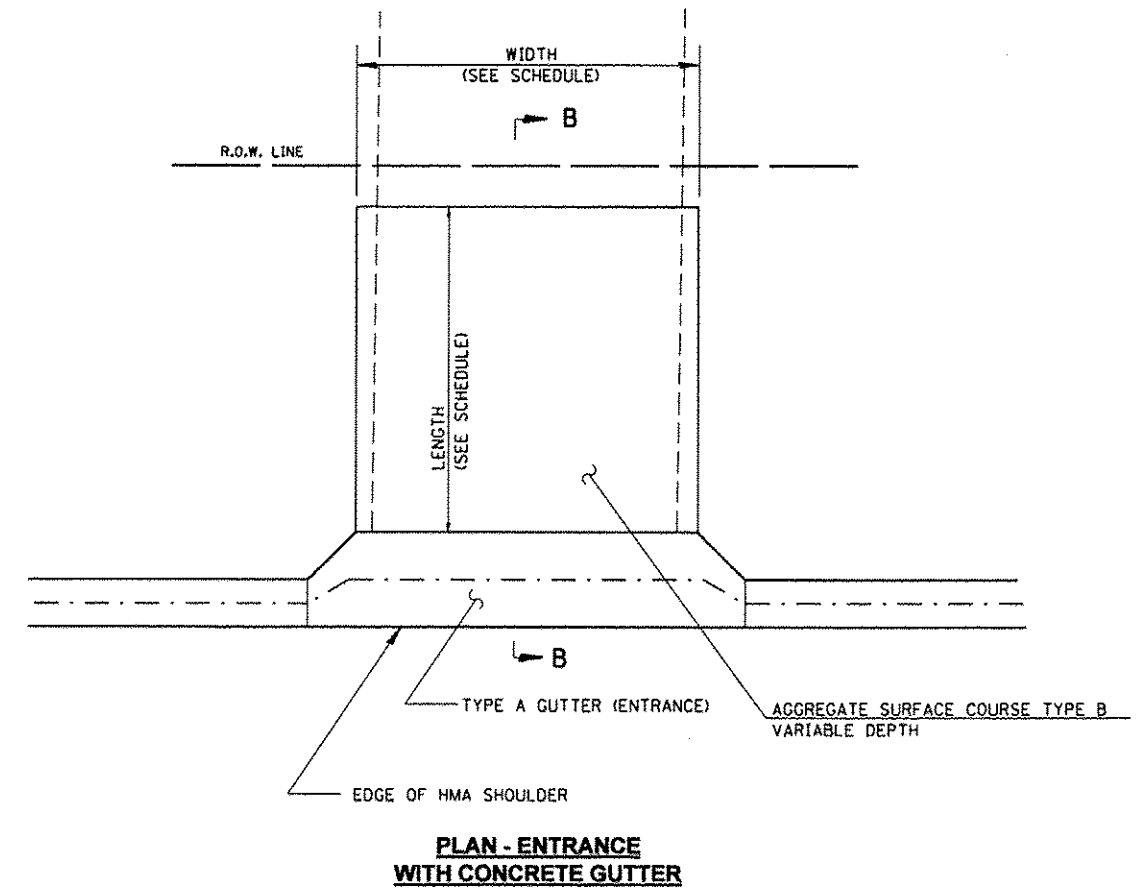
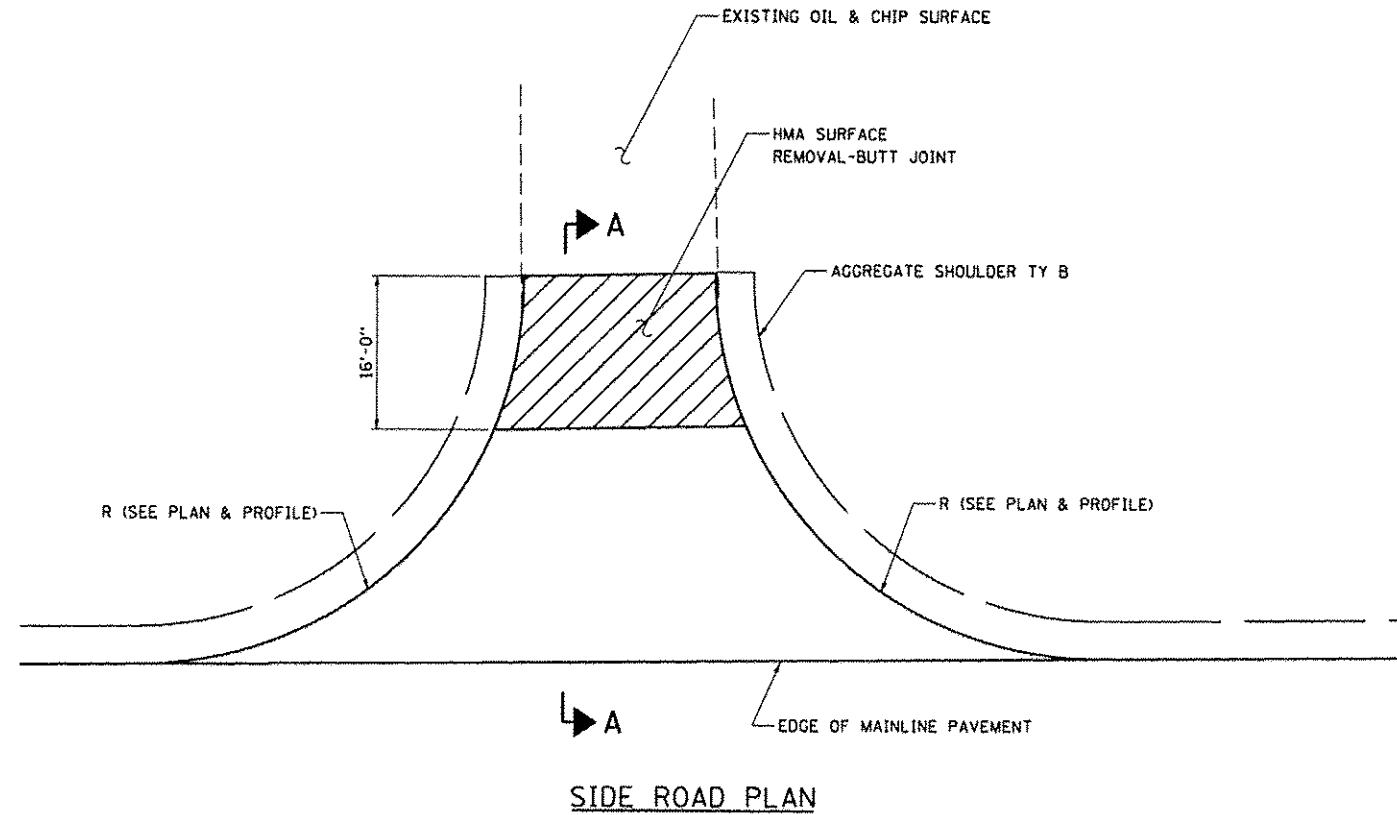
SECTION A-A



SECTION B-B

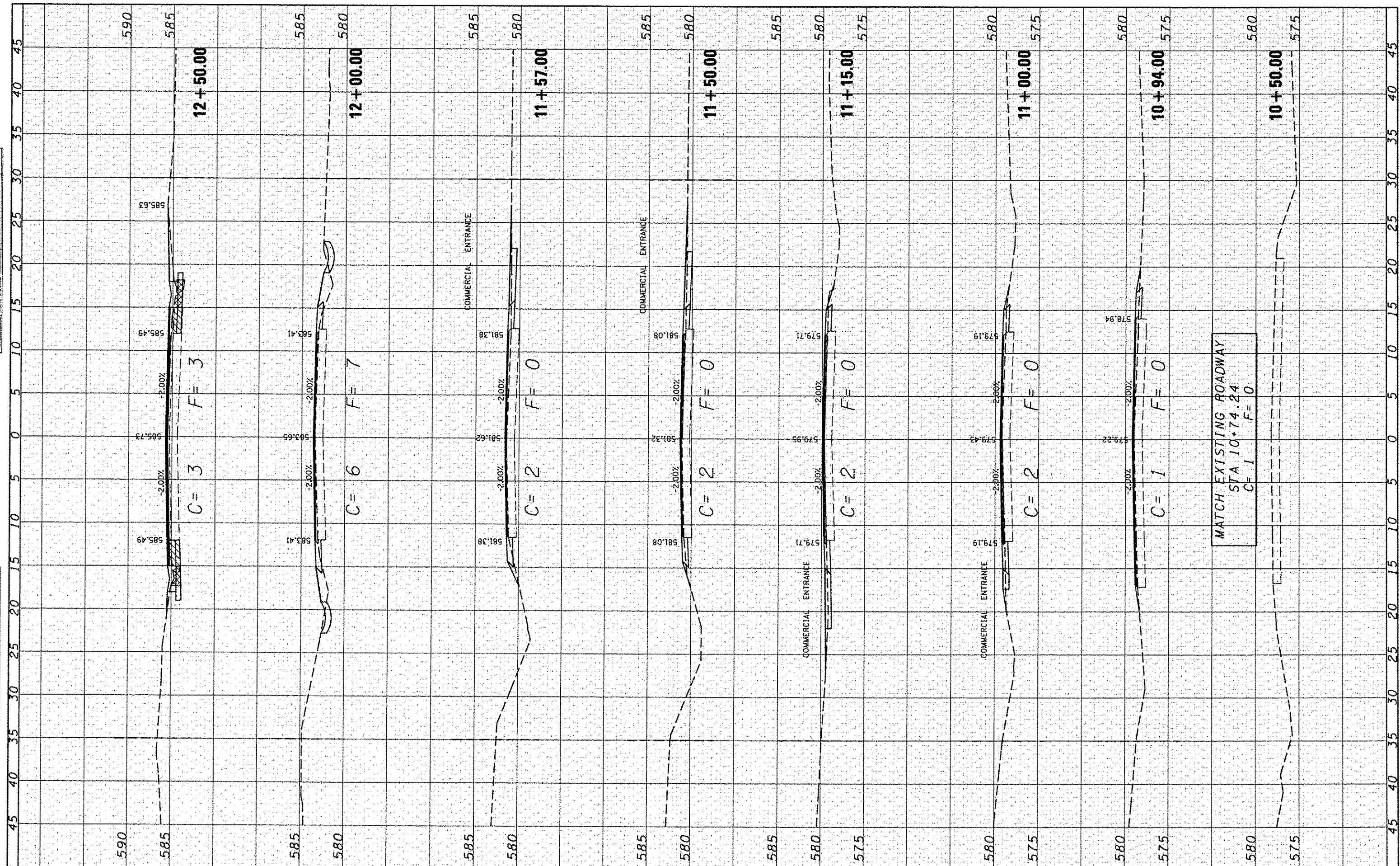
* 93614

CEC Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB # 2298	DESIGNED - NAK	REVISED -	LOGAN COUNTY CH 2 IMPROVEMENTS	ENTRANCE AND SIDE ROAD DETAILS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME * 2298ans.dgn	DRAWN - SJS	REVISED -					CH 2	11-00311-02-RS	LOGAN	37	34
	PLOT SCALE * 8.0000' / 1"	CHECKED - NAK	REVISED -					CONTRACT NO. *				
PLOT DATE * 1/24/2014	DATE - 7/18/2012	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	



JOB # 229B
 FILE NAME * 229B.dwg
 PLOT SCALE * 1/8" = 1' / IN.
 PLOT DATE * 10/31/2013

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 10/30/13

REVISED -
 REVISED -
 REVISED -
 REVISED -

**LOGAN COUNTY
 CH 2 IMPROVEMENTS**

CROSS SECTIONS

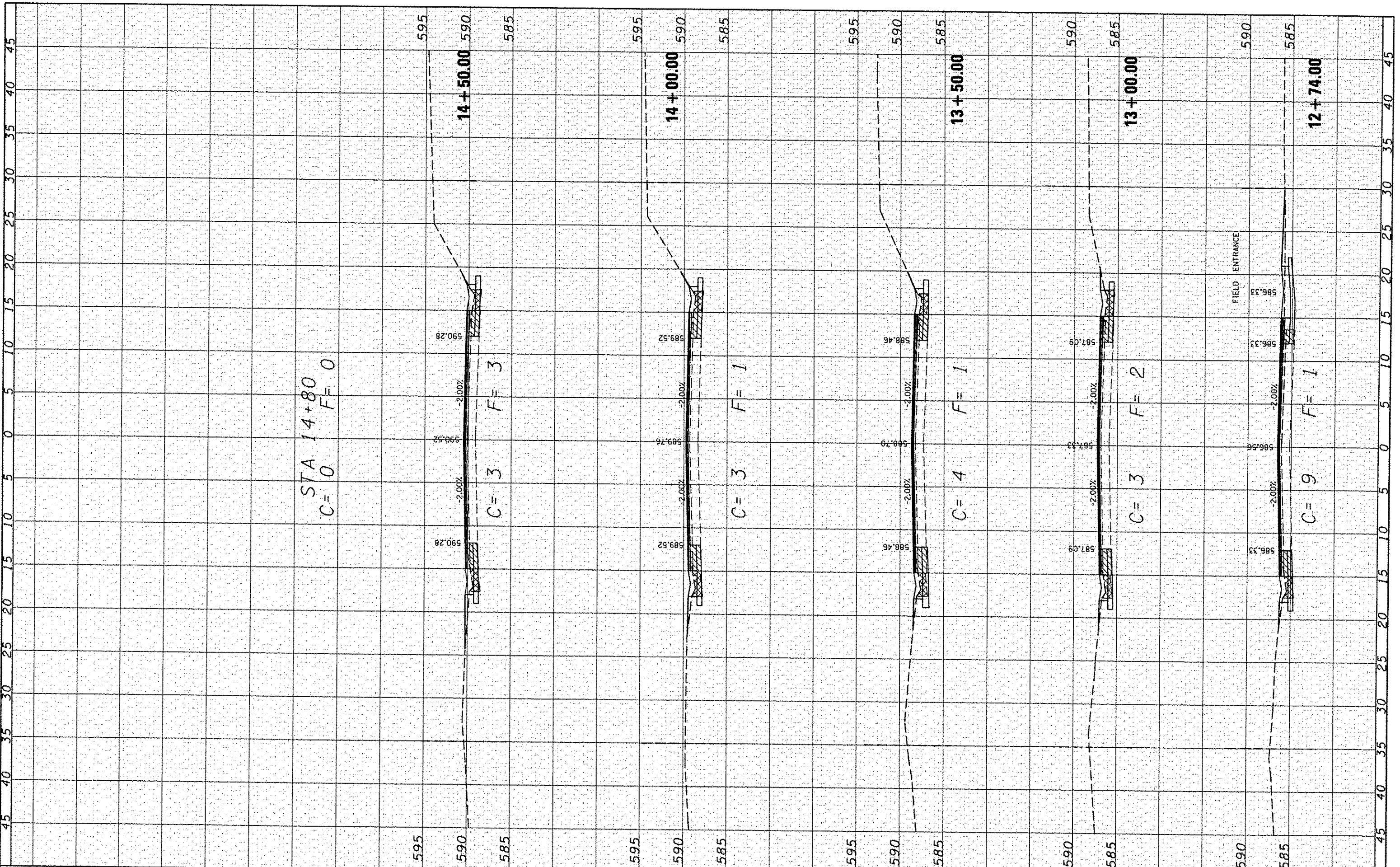
SCALE: SHEET NO. OF SHEETS STA. 10+50.00 TO STA. 12+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. *	

*93614

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB #	2298
FILE NAME	2298.dwg
PLOT SCALE	1/8" = 1'-0"
PLOT DATE	10/31/2013
DESIGNED	NAK
DRAWN	SJS
CHECKED	NAK
DATE	10/30/13

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**LOGAN COUNTY
CH 2 IMPROVEMENTS**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 12+74.00 TO STA. 14+90.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	11-00311-02-RS	LOGAN	37	37
CONTRACT NO. *				

493612