

SEE SHEET 2 FOR INDEX OF SHEETS
AND LIST OF ILLINOIS DOT STANDARDS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED HIGHWAY RESURFACING

**FAS ROUTE 732 (CH 12)
SECTION 15-00040-05-RS
PROJECT NO. UXX4(145)
CHRISTIAN COUNTY
CIP RECYCLING AND HMA RESURFACING
C-96-002-20**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	1
FED. ROAD DIST. NO.	ILLINOIS			



UTILITY CONTACTS:

UTILITY TYPE:

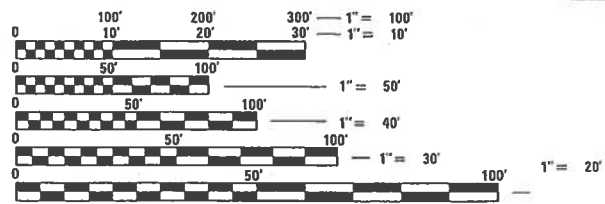
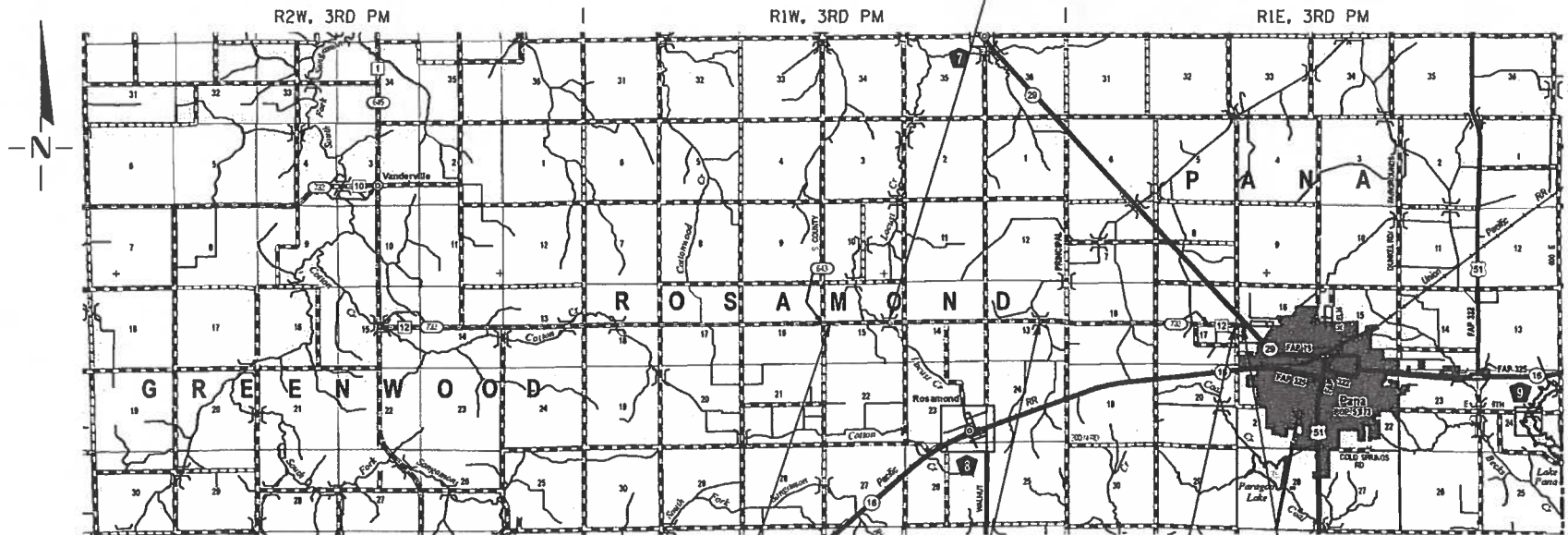
ELECTRIC
AMEREN CIPS (SOUTH)
(217) 234-0443
ATTN: D.J. KENNEDY

UTILITY TYPE:

TELEPHONE
ILLINOIS CONSOLIDATED TELEPHONE
(217) 235-3326
ATTN: WES CHAMBERS

UTILITY TYPE:

ELECTRIC
SHELBY ELECTRIC CO-OP
(217) 744-3986
ATTN: JIM MATLOCK



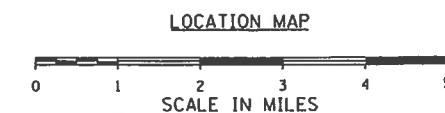
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

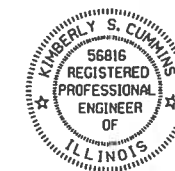
CONTRACT NO. 93770



DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION: RURAL - MAJOR COLLECTOR
DESIGN SPEED 50 MPH
3R GUIDELINES
CURRENT ADT: 750 (2016)



GROSS LENGTH OF SECTION 27,607.03 FEET 5.229 MILES
NET LENGTH OF SECTION 27,507.03 FEET 5.210 MILES



Kimberly S. Cummins 3/12/21
ILLINOIS PROFESSIONAL NO. 56816
(Expires 11/30/21)

APPROVED	<u>3/12</u> 20 <u>21</u>
	<i>Craig O. Arze</i> COUNTY ENGINEER
PASSED	<u>March 25</u> 20 <u>21</u>
	<i>Brian Winkler</i> DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	<u>March 25</u> 20 <u>21</u>
	<i>Jeffrey Myers</i> REGION FOUR ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

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

GENERAL NOTES

1. 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.
2. 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.
3. 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
4. LISTED.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
6. 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.
7. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NAVD 88 DATUM.
8. 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 SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
9. THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

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.

INDEX OF SHEETS

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LIST OF ILLINOIS DOT STANDARDS

- | | |
|-----------|---|
| 000001-08 | Standard Symbols, Abbreviations and Patterns |
| 001001-02 | Areas of Reinforcement Bars |
| 280001-07 | Temporary Erosion Control Systems |
| 442201-03 | Class C and D Patches |
| 630001-12 | Steel Plate Beam Guardrail |
| 630101-10 | Strong Post Guardrail Attached to Culvert |
| 630301-09 | Shoulder Widening for Type 1 (Special) Guardrail Terminals |
| 667101-02 | Permanent Survey Markers |
| 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 |
| 701201-05 | Lane Closure, 2L, 2W, Day Only, for Speeds > 45 MPH |
| 701306-04 | 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 |
| 701901-08 | Traffic Control Devices |
| 725001-01 | Object and Terminal Markers |
| 780001-05 | Typical Pavement Markings |
| 782006-01 | Guardrail and Barrier Wall Reflector Mounting Details |
| BLR 21-9 | Typical Application of Traffic Control Devices for Construction on Rural Local Highways |

COMMITMENTS

None

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION	CH 12	CH 12	CH 12
MIXTURE USE	SURFACE & INCIDENTAL & TOP LIFT SHOULDERS	BASE COURSE, PATCHING & LOWER LIFT SHOULDERS	BINDER
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR Voids	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50	4.0 @ NDESIGN = 50
MIX COMP(GRADATION)	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX "C"	N.A.	N.A.
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	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)	0.25 lb/Sq. Ft. (ON AGG)
BITUMINOUS MATERIALS (PRIME COAT)	0.025 lb/Sq. Ft. (FOG COAT BETWEEN HMA LIFTS)
BITUMINOUS MATERIALS (PRIME COAT)	0.05 lb/Sq. Ft. (ON PAVEMENT)
HOT-MIX ASPHALT	112*/Sq. Yd./Inch

 Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB = 2349	DESIGNED - NAK	REVISED -	CHRISTIAN COUNTY CH 12 IMPROVEMENTS	GENERAL NOTES, HIGHWAY STANDARDS & INDEX OF SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 002-2349-shr-gen.p2.dgn	DRAWN - SJS	REVISED -			732	15-00040-05-RS	CHRISTIAN	54	2
	PLOT SCALE = 2.0000' / in.	CHECKED - NAK	REVISED -			CONTRACT NO. 93770				
PLOT DATE = 3/12/2021	DATE - 4/20/2016	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	500
20200500	EARTH EXCAVATION (WIDENING)	CU YD	255
20400800	FURNISHED EXCAVATION	CU YD	1,540
21400100	GRADING AND SHAPING DITCHES	FOOT	50
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150
28000305	TEMPORARY DITCH CHECKS	FOOT	8
28000400	PERIMETER EROSION BARRIER	FOOT	755
28000500	INLET AND PIPE PROTECTION	EACH	15
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	561
35100100	AGGREGATE BASE COURSE, TYPE A	TON	590
35501313	HOT-MIX ASPHALT BASE COURSE, 7 1/4"	SQ YD	742
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	14
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	622
* 40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	46,102

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,887
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	86
40600990	TEMPORARY RAMP	SQ YD	122
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	6,929
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	5,680
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	168
44000100	PAVEMENT REMOVAL	SQ YD	742
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,787
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	6,597
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2,092
50800105	REINFORCEMENT BARS	POUND	920
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	1
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS



JOB = 2349
 FILE NAME = 003-2349-sh-t-S002.dgn
 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 4/20/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93770	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
54002020	EXPANSION BOLTS 3/4 INCH	EACH	44
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	5
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	12
54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	3
54248510	CONCRETE COLLAR	CU YD	5.1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	18
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	538
60100925	PIPE DRAINS 8"	FOOT	4
60100935	PIPE DRAINS 10"	FOOT	6
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	60
Δ 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	16
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	6
67100100	MOBILIZATION	L SUM	1

* SEE SPECIAL PROVISIONS

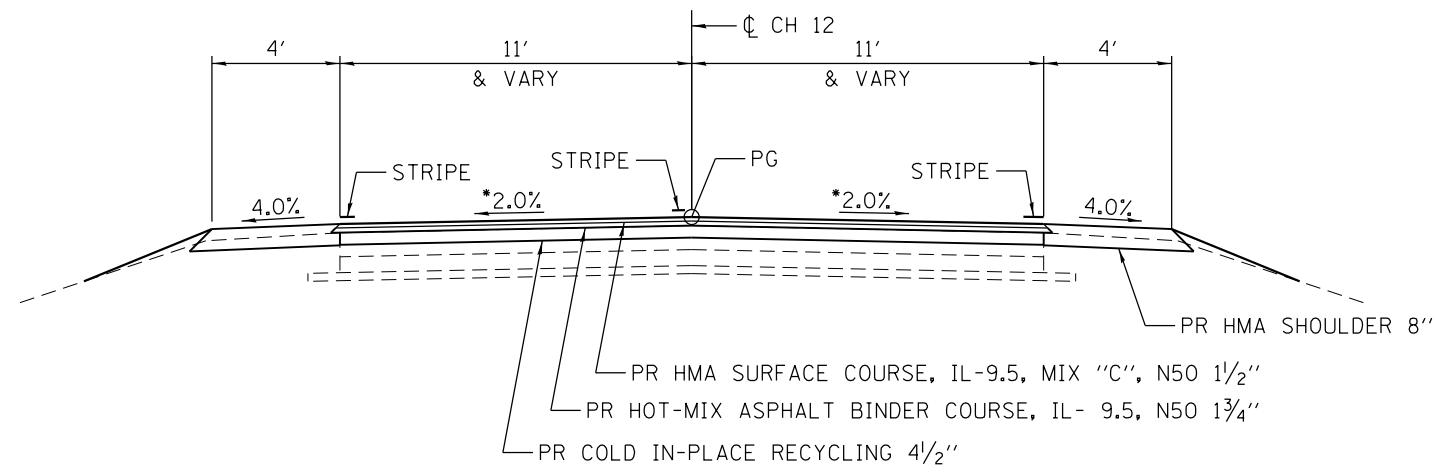
Δ SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
* 70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13,840
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	923
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	72,070
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	72,070
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4
* LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	100,061
* LR400745	COLD IN-PLACE RECYCLING, 4.5"	SQ YD	65,830
* LR403300	SURFACE PROFILE MILLING	SQ YD	65,830
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.5
# 20076600	TRAINEES	Hour	1,500
* X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
# 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1,500
* Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	32,180

* SEE SPECIAL PROVISIONS

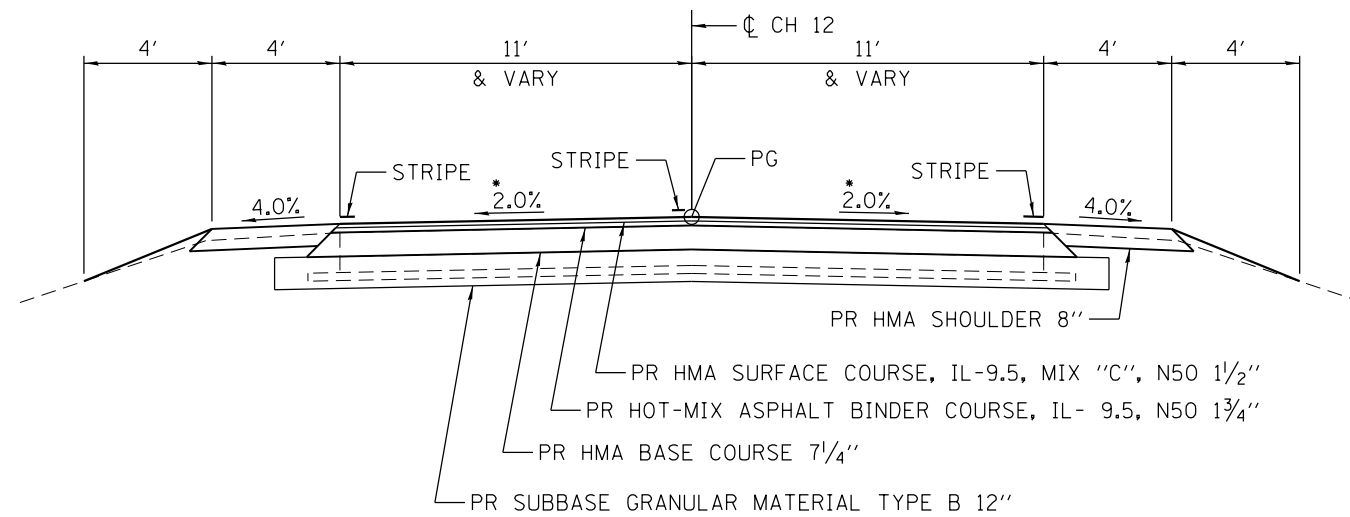
Δ SPECIALTY ITEMS

0042

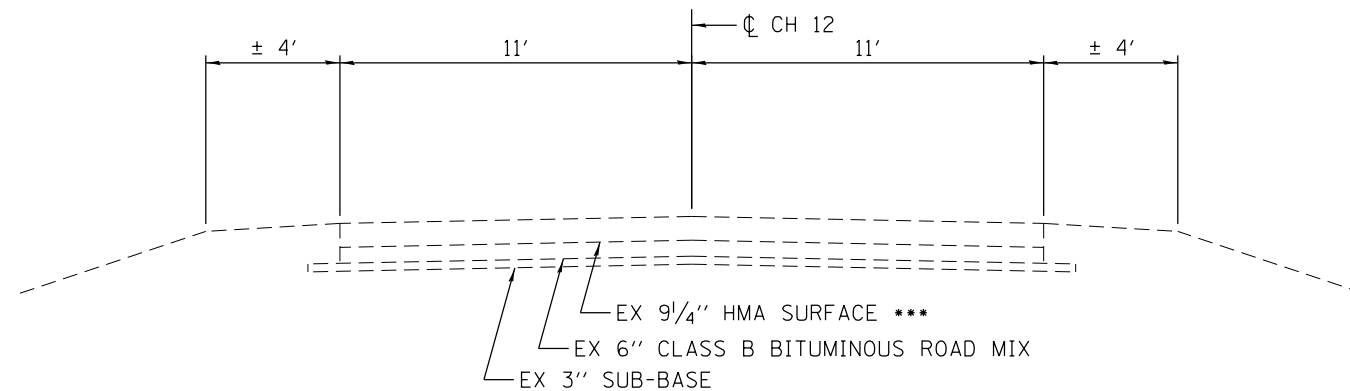


PROPOSED CH 12 TYPICAL SECTION
STA 1+68.59 TO STA 3+40.44

* 2% SE STA 1+36.50 TO STA 3+27.40



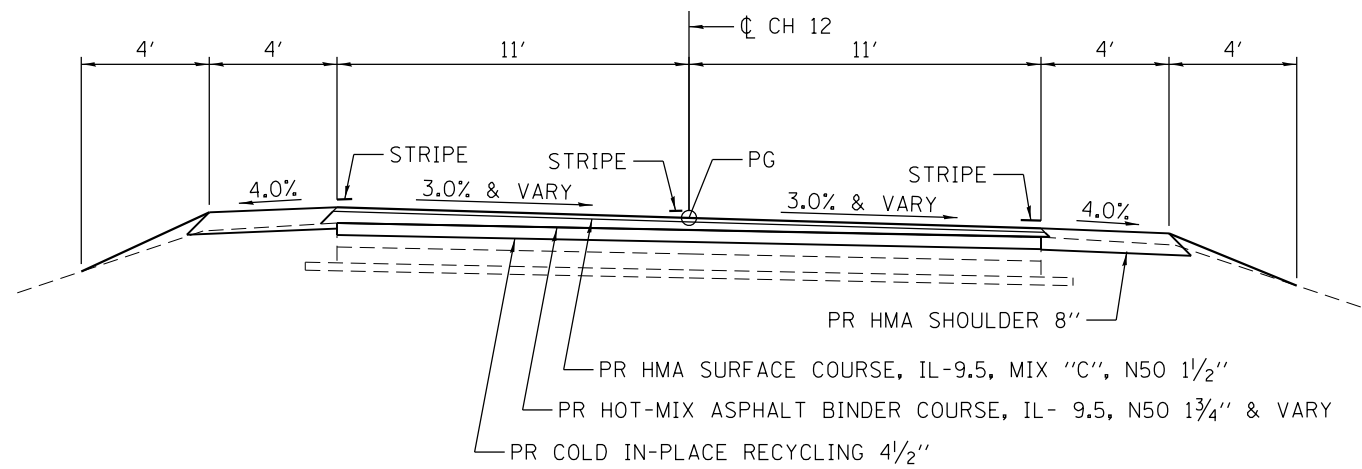
PROPOSED CH 12 TYPICAL SECTION
STA 0+17.00 TO STA 1+68.59



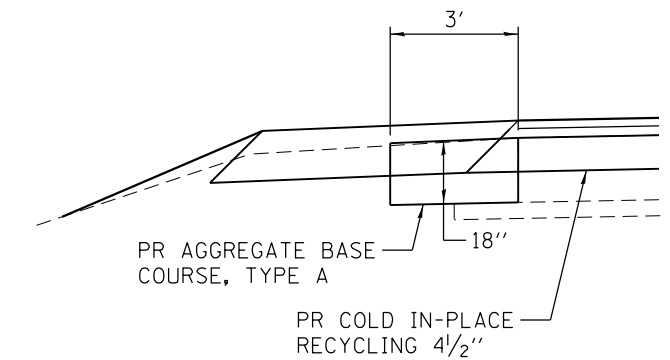
EXISTING CH 12 TYPICAL SECTION
STA 0+17.00 TO STA 3+40.44 BK=
STA 4+06.41 AH TO STA 6+17.53

*** 9 3/4" STA 0+17 TO STA 52+50

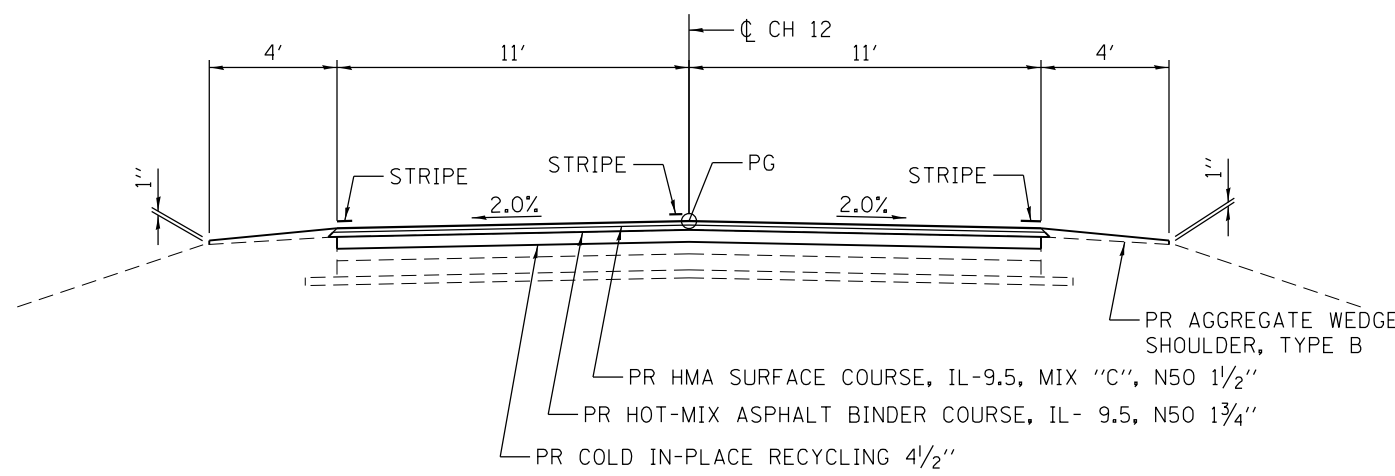
NOTE:
LONGITUDINAL JOINT SEAL SHALL BE
PLACED AT THE CENTERLINE UNDER
THE SURFACE.



PROPOSED CH 12 TYPICAL SECTION
STA 107+97.98 TO STA 116+45.65



DETAIL OF AGGREGATE WIDENING
 LT STA 107+55.00 TO STA 110+35.00
 LT STA 110+65.00 TO STA 111+25.00
 LT STA 113+55.00 TO STA 116+35.00
 LT STA 120+95.00 TO STA 127+50.00
 RT STA 118+15.00 TO STA 120+70.00

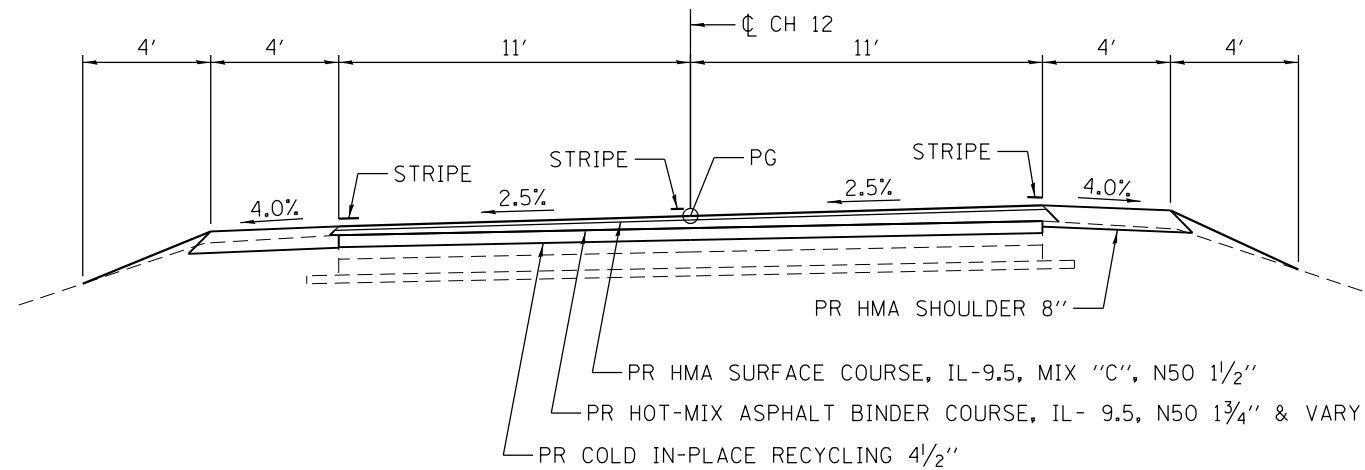


PROPOSED CH 12 TYPICAL SECTION
 STA 4+06.41 TO STA 107+83.47
 STA 127+95.48 TO STA 134+92.00
 STA 135+42.00 TO STA 233+96.00 **
 STA 234+46.00 TO STA 276+90.00

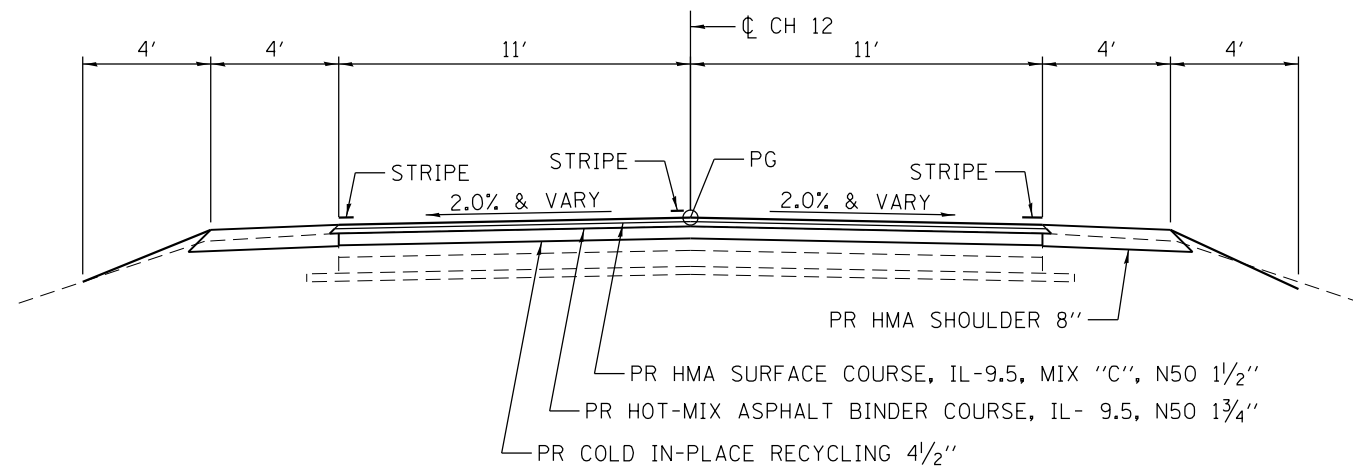
** OMIT BINDER COURSE STA 134+52.00 TO STA 135+82.00
 OMIT BINDER COURSE STA 233+56.00 TO STA 234+86.00
 OMIT BINDER COURSE STA 276+50.00 TO STA 276+90.00

** OMIT IN-PLACE RECYCLING STA 134+07.00 TO STA 136+27.00
 OMIT IN-PLACE RECYCLING STA 233+11.00 TO STA 235+31.00
 END COLD IN-PLACE RECYCLING STA 276+05.00

NOTE:
 LONGITUDINAL JOINT SEAL SHALL BE PLACED AT THE CENTERLINE UNDER THE SURFACE.



PROPOSED CH 12 TYPICAL SECTION
STA 118+16.46 TO STA 127+95.48



PROPOSED CH 12 TYPICAL SECTION
STA 116+45.65 TO STA 118+16.46

NOTE:
LONGITUDINAL JOINT SEAL SHALL BE
PLACED AT THE CENTERLINE UNDER
THE SURFACE.

EARTHWORK

LOCATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA 0+17.00 TO STA 5+00.00	244	183	86	97
BOX CULVERT EXTENSIONS				
LT STA 7+25.00	10	8	5	3
LT STA 33+25.00	5	4	15	-11
LT STA 59+50.00	15	11	15	-4
LT STA 59+98.00	5	4	10	-6
CURVE AREA				
LT STA 106+00.00 TO STA 130+00.00	169	127	600	-473
RT STA 106+00.00 TO STA 130+00.00	53	40	272	-233
SHOULDER WIDENING				
LT STA 74+00.00 TO STA 76+50.00			50	-50
LT STA 133+80.00 TO STA 135+05.00			123	-123
LT STA 135+05.00 TO STA 136+06.00			116	-116
RT STA 134+19.00 TO STA 135+05.00			89	-89
RT STA 135+31.00 TO STA 136+31.00			93	-93
LT STA 233+27.00 TO STA 233+99.00			94	-94
LT STA 234+42.00 TO STA 235+14.00			71	-71
RT STA 233+27.00 TO STA 233+99.00			44	-44
RT STA 234+42.00 TO STA 235+14.00			64	-64
LT STA 250+47.00 TO STA 251+20.00			95	-95
LT STA 251+60.00 TO STA 252+32.00			95	-95
RT STA 250+47.00 TO STA 251+20.00			95	-95
RT STA 251+60.00 TO STA 252+32.00			74	-74
TOTAL	501	376	2,106	-1,730

EARTH EXCAVATION WIDENING	255	191	0	191
FURNISHED EXCAVATION SHRINKAGE = 25%				-1,539

EARTH EXCAVATION WIDENING

LOCATION	CU YD
AGGREGATE BASE COURSE	
LT STA 107+55.00 TO STA 110+35.00	46.67
LT STA 110+65.00 TO STA 111+25.00	10.00
LT STA 113+55.00 TO STA 116+35.00	46.67
LT STA 120+95.00 TO STA 127+50.00	109.17
RT STA 118+15.00 TO STA 120+70.00	42.50
TOTAL	255

GRADING AND SHAPING DITCHES

LOCATION	FOOT
LT STA 234+25.88 TO STA 234+50.88	25
RT STA 251+06.12 TO STA 251+31.12	25
TOTAL	50

TEMPORARY DITCH CHECK

LOCATION	FOOT
LT STA 60+40.00	8
TOTAL	8

PERIMETER EROSION BARRIER

LOCATION	FOOT
LT STA 74+00.00 TO STA 74+93.00	93
LT STA 75+15.00 TO STA 77+00.00	185
LT STA 134+80.00 TO STA 134+91.00	18
LT STA 135+23.00 TO STA 135+44.00	30
RT STA 134+93.00 TO STA 135+08.00	29
RT STA 135+45.00 TO STA 135+54.00	18
LT STA 233+74.00 TO STA 234+00.00	28
LT STA 234+48.00 TO STA 234+66.00	31
RT STA 233+23.00 TO STA 234+02.00	98
RT STA 234+50.00 TO STA 235+11.00	85
LT STA 250+95.00 TO STA 251+25.00	34
LT STA 251+55.00 TO STA 251+84.00	34
RT STA 250+95.00 TO STA 251+26.00	36
RT STA 251+53.00 TO STA 251+84.00	36
TOTAL	755

TEMPORARY EROSION CONTROL SEEDING

LOCATION	POUND
LT STA 7+07.00 TO STA 7+76.00	3
LT STA 32+93.00 TO STA 33+40.00	3
LT STA 59+01.00 TO STA 59+72.00	3
LT STA 59+92.00 TO STA 60+65.00	2
LT STA 73+71.00 TO STA 76+50.00	4
LT STA 106+00.00 TO STA 130+00.00	58
RT STA 106+00.00 TO STA 130+00.00	34
LT STA 133+79.00 TO STA 134+91.00	4
LT STA 135+23.00 TO STA 136+06.00	3
RT STA 134+29.00 TO STA 135+08.00	3
RT STA 135+45.00 TO STA 136+31.00	4
LT STA 233+23.00 TO STA 234+00.00	3
LT STA 234+48.00 TO STA 235+08.00	2
RT STA 233+23.00 TO STA 234+02.00	3
RT STA 234+50.00 TO STA 235+11.00	2
LT STA 250+42.00 TO STA 251+25.00	3
LT STA 251+55.00 TO STA 252+41.00	3
RT STA 250+59.00 TO STA 251+26.00	2
RT STA 251+53.00 TO STA 252+43.00	3
TOTAL	142
ROUNDED TOTAL	150

SEEDING, CLASS 2 (SPECIAL)

LOCATION	ACRE
LT STA 7+07.00 TO STA 7+76.00	0.03
LT STA 32+93.00 TO STA 33+40.00	0.03
LT STA 59+01.00 TO STA 59+72.00	0.03
LT STA 59+92.00 TO STA 60+65.00	0.02
LT STA 73+71.00 TO STA 76+50.00	0.04
LT STA 106+00.00 TO STA 130+00.00	0.58
RT STA 106+00.00 TO STA 130+00.00	0.34
LT STA 133+79.00 TO STA 134+91.00	0.04
LT STA 135+23.00 TO STA 136+06.00	0.03
RT STA 134+29.00 TO STA 135+08.00	0.03
RT STA 135+45.00 TO STA 136+31.00	0.04
LT STA 233+23.00 TO STA 234+00.00	0.03
LT STA 234+48.00 TO STA 235+08.00	0.02
RT STA 233+23.00 TO STA 234+02.00	0.03
RT STA 234+50.00 TO STA 235+11.00	0.02
LT STA 250+42.00 TO STA 251+25.00	0.03
LT STA 251+55.00 TO STA 252+41.00	0.03
RT STA 250+59.00 TO STA 251+26.00	0.02
RT STA 251+53.00 TO STA 252+43.00	0.03
TOTAL	1.42
ROUNDED TOTAL	1.5

INLET AND PIPE PROTECTION

LOCATION	EACH
LT STA 7+31.00	1
LT STA 33+21.00	1
LT STA 59+50.00	1
LT STA 59+62.00	1
LT STA 60+04.00	1
LT STA 134+16.00	1
LT STA 135+98.00	1
RT STA 134+37.00	1
RT STA 136+12.00	1
LT STA 233+41.00	1
LT STA 235+00.00	1
LT STA 250+57.00	1
LT STA 252+21.00	1
RT STA 250+64.00	1
RT STA 252+23.00	1
TOTAL	15

PRECAST CONCRETE BOX CULVERTS

LOCATION	3'x2'	5'x3'	6'x3'
	FOOT	FOOT	FOOT
LT STA 7+24.00			3
LT STA 33+29.95	5		
LT STA 59+64.00		6	
LT STA 60+02.00		6	
TOTAL	5	12	3

BOX CULVERT END SECTIONS

LOCATION	SIZE	CULVERT NO. 1	CULVERT NO. 2	CULVERT NO. 3
		EACH	EACH	EACH
LT STA 7+24.00	6'X3'	1		
LT STA 33+29.95	3'X2'		1	
LT STA 59+64.00	5'X3'			1
LT STA 60+02.00	5'X3'			1
TOTAL		1	1	2

CULVERT EXTENSIONS

LOCATION	SIZE	REINFORCEMENT BARS	EXPANSION BOLTS 3/4	CONCRETE COLLAR
		POUND	EACH	CU YD
LT STA 7+34.00	6'X3'	640	14	3.0
LT STA 33+29.65	3'X2'	200	6	1.1
LT STA 59+64.00	5'X3'	40	12	0.5
LT STA 60+02.00	5'X3'	40	12	0.5
TOTAL		920	44	5.1

PIPE DRAINS

LOCATION	8"	10"
	FOOT	FOOT
LT STA 33+27.00	4	
LT STA 33+30.00		6
TOTAL	4	6

PIPE CULVERTS, CLASS D, TYPE 1 15"

LOCATION	FOOT
LT STA 59+61.00	10
LT STA 60+05.00	8
TOTAL	18

PIPE CULVERTS, CLASS D, TYPE 1 18"

LOCATION	FOOT
LT STA 134+47.00	64
LT STA 135+68.00	60
LT STA 233+67.00	52
LT STA 234+75.00	48
LT STA 250+82.00	50
LT STA 251+97.00	48
RT STA 134+68.00	62
RT STA 135+81.00	62
RT STA 250+85.00	42
RT STA 251+98.00	50
TOTAL	538

PAVEMENT REMOVAL

LOCATION	SQ YD
LT & RT STA 0+17.00 TO STA 1+68.59	741.70
TOTAL	742



JOB = 2349
 FILE NAME = 005-2349-sht-sched-p2.dgn
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 4/20/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93770	

CLASS D PATCHES, TYPE IV, 10 INCH

LOCATION	SQ YD
LT STA 1+68.59 TO STA 6+08.00	537.06
LT STA 6+72.00 TO STA 9+34.00	174.67
LT STA 16+36.00 TO STA 16+84.00	32.00
LT STA 16+84.00 TO STA 17+49.00	79.44
LT STA 17+49.00 TO STA 17+97.00	32.00
RT STA 2+03.00 TO STA 4+35.90	111.29
RT STA 4+91.00 TO STA 5+54.00	42.00
RT STA 5+54.00 TO STA 5+96.00	51.33
RT STA 6+80.00 TO STA 7+43.00	42.00
RT STA 18+53.00 TO STA 19+77.00	151.56
RT STA 71+68.00 TO STA 73+61.00	235.89
SUBTOTAL	1,489.24
20%	297.85

TOTAL 1787

HOT-MIX ASPHALT BASE COURSE 7 1/4"

LOCATION	SQ YD
LT & RT STA 0+17.00 TO STA 1+68.59	741.70

TOTAL 741.70

HOT-MIX ASPHALT SHOULDERS, 8"

LOCATION	SQ YD
LT STA 0+00.00 TO STA 3+40.44	169.56
RT STA 0+74.15 TO STA 3+40.44	134.00
LT STA 107+83.47 TO STA 127+95.78	894.36
RT STA 107+83.47 TO STA 127+95.78	894.36

TOTAL 2,092

AGGREGATE BASE COURSE, TYPE A

LOCATION	TON
LT STA 107+55.00 TO STA 110+35.00	95.67
LT STA 110+65.00 TO STA 111+25.00	20.50
LT STA 113+55.00 TO STA 116+35.00	95.67
LT STA 120+95.00 TO STA 127+50.00	223.79
RT STA 118+15.00 TO STA 120+70.00	87.13

TOTAL 522.76

* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITY

AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	TON
LT STA 4+06.41 TO STA 6+67.65	34.71
LT STA 7+25.22 TO STA 33+31.69	346.32
LT STA 33+82.20 TO STA 59+58.38	342.30
LT STA 60+08.56 TO STA 107+83.47	634.44
LT STA 127+95.78 TO STA 134+92.00	92.51
OMISSION STA 134+92.00 TO 135+42.00	
LT STA 135+42.00 TO STA 170+57.58	467.12
LT STA 171+07.78 TO STA 197+22.65	347.44
LT STA 197+83.39 TO STA 223+87.62	346.03
LT STA 224+40.93 TO STA 233+96.00	126.90
OMISSION STA 233+96.00 TO 234+46.00	
LT STA 234+46.00 TO STA 276+05.00	552.61
RT STA 4+06.41 TO STA 59+53.12	736.99
RT STA 60+52.04 TO STA 107+83.47	628.67
RT STA 127+95.78 TO STA 134+92.00	92.51
OMISSION STA 134+92.00 TO 135+42.00	
RT STA 135+42.00 TO STA 170+60.80	467.54
RT STA 171+08.12 TO STA 223+87.33	701.45
RT STA 224+40.69 TO STA 233+96.00	126.93
OMISSION STA 233+96.00 TO 234+46.00	
RT STA 234+46.00 TO STA 276+05.00	552.61

TOTAL 6,597

CIR-FDR EMULSIFIED ASPHALT

LOCATION	SQ YD
STA 1+68.59 TO STA 3+40.44	638
STA 4+06.41 TO STA 134+07.00	48,304
STA 136+27.00 TO STA 233+11.00	35,981
STA 235+31.00 TO STA 276+05.00	15,137

TOTAL 100,061

COLD IN-PLACE RECYCLING, 4.5" / SURFACE PROFILE MILLING

LOCATION	SQ YD
STA 1+68.59 TO STA 3+40.44	420.08
STA 4+06.41 TO STA 134+07.00	31,779.22
STA 136+27.00 TO STA 233+11.00	23,672.00
STA 235+31.00 TO STA 276+05.00	9,958.67

TOTAL 65,830

BITUMINOUS MATERIALS (TACK COAT)

LOCATION	RATE	POUND
RECYCLED PAVEMENT		
STA 0+17.00 TO STA 1+68.59	0.05	335.00
STA 1+68.59 TO STA 3+40.44	0.05	189.00
STA 4+06.41 TO STA 134+92.00	0.05	14,394.00
STA 135+42.00 TO STA 233+96.00	0.05	10,839.00
STA 234+46.00 TO STA 276+90.00	0.05	4,668.00

FOG COAT

STA 0+17.00 TO STA 1+68.59	0.025	168.00
STA 1+68.59 TO STA 3+40.44	0.025	95.00
STA 4+06.41 TO STA 134+92.00	0.025	7,197.00
STA 135+42.00 TO STA 233+96.00	0.025	5,420.00
STA 234+46.00 TO STA 276+90.00	0.025	2,334.00

TOTAL 45,639.00

* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITY

HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50

LOCATION	TON
VARIABLE THICKNESS	
STA 0107+00.00 TO STA 129+00.00	351.00
1 3/4" THICK	
STA 0+17.00 TO STA 1+68.59	73.02
STA 1+68.59 TO STA 3+40.44	41.17
STA 4+06.41 TO STA 134+52.00	3,125.14
STA 135+82.00 TO STA 233+56.00	2,341.42
STA 234+86.00 TO STA 276+50.00	997.51

TOTAL 6,929.26

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

LOCATION	TON
STA 0+17.00 TO STA 1+68.59	62.59
STA 1+68.59 TO STA 3+40.44	35.29
STA 4+06.41 TO STA 134+92.00	2,686.91
STA 135+42.00 TO STA 233+96.00	2,023.35
STA 234+46.00 TO STA 276+90.00	871.43

TOTAL 5,679.57

TEMPORARY RAMP

LOCATION	SQ YD
STA 134+52.00	12.22
STA 134+92.00	12.22
STA 135+42.00	12.22
STA 135+82.00	12.22
STA 233+11.00	12.22
STA 233+56.00	12.22
STA 234+46.00	12.22
STA 234+86.00	12.22
STA 276+50.00	12.22
STA 276+90.00	12.22

TOTAL 122.20

SUBBASE GRANULAR MATERIAL, TYPE B

LOCATION	TON
LT & RT STA 0+17.00 TO STA 1+68.59	560.99

TOTAL 561

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

LOCATION	FOOT
LT STA 74+84.00 TO STA 74+96.50	12.50
LT STA 75+12.13 TO STA 75+59.00	46.87

TOTAL 59.37

STRONG POST GUARDRAIL ATTACHED TO CULVERT

LOCATION	FOOT
LT STA 74+96.50 TO STA 75+12.13	15.63

TOTAL 15.63

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	EACH
LT STA 74+34.00 TO STA 74+84.00	1
LT STA 75+59.00 TO STA 76+09.00	1

TOTAL 2

GUARDRAIL REFLECTORS, TYPE A

LOCATION	EACH
LT STA 74+84.00 TO STA 75+59.00	4

TOTAL 4

TERMINAL MARKER - DIRECT APPLIED

LOCATION	EACH
LT STA 74+34.00	1
LT STA 76+09.00	1

TOTAL 2

PAINT PAVEMENT MARKING - LINE 4"

TEMPORARY PAVEMENT MARKING LINE - 4"

LOCATION	FOOT
YELLOW SKIP DASH	
STA 0+17.00 TO STA 3+40.44	90.00
STA 4+06.41 TO STA 112+26.32	2,710.00
STA 119+62.67 TO STA 276+90.00	3,940.00

SOLID YELLOW CENTERLINE

LT STA 112+26.32 TO STA 131+03.04	1,876.72
LT STA 145+72.49 TO STA 156+28.16	1,055.67
LT STA 167+01.06 TO STA 191+34.71	2,433.65
LT STA 193+05.88 TO STA 203+18.31	1,012.43
RT STA 78+31.14 TO STA 86+24.35	793.21
RT STA 89+79.70 TO STA 97+47.12	767.42
RT STA 100+04.68 TO STA 119+62.67	1,957.99
RT STA 136+07.45 TO STA 145+62.77	955.32

SUBTOTAL YELLOW 17,592.41

SOLID WHITE EDGE LINE

LT STA 0+17.00 TO STA 3+40.44	323.44
LT STA 4+06.41 TO STA 6+62.77	256.36
LT STA 7+25.62 TO STA 33+26.68	2,601.06
LT STA 33+86.35 TO STA 59+54.75	2,568.40
LT STA 60+13.34 TO STA 117+17.38	5,704.04
LT STA 117+87.47 TO STA 170+47.12	5,259.65
LT STA 171+12.42 TO STA 197+17.65	2,605.23
LT STA 197+86.59 TO STA 223+83.75	2,597.16
LT STA 224+44.47 TO STA 276+90.00	5,245.53
RT STA 0+17.00 TO STA 3+40.44	323.44
RT STA 4+06.41 TO STA 59+48.98	5,542.57
RT STA 60+60.77 TO STA 117+42.38	5,681.61
RT STA 117+97.89 TO STA 170+56.29	5,258.40
RT STA 171+13.05 TO STA 223+83.04	5,269.99
RT STA 224+48.84 TO STA 276+90.00	5,241.16

SUBTOTAL WHITE 54,478.04

TOTAL 72,070.45



JOB = 2349
 FILE NAME = 005-2349-sh-t-sched-p2.dgn
 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 4/20/2016

REVISED -
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CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	9
CONTRACT NO. 93770			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

ENTRANCE AND SIDE ROADS

LOCATION	LENGTH FOOT	TYPE	AGGREGATE	AGGREGATE	BITUMINOUS MATERIALS (PRIME COAT) POUND	BITUMINOUS MATERIALS (TACK COAT) POUND	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SQ YD	PCC SURFACE REMOVAL - BUTT JOINT SQ YD	INCIDENTAL HOT-MIX ASPHALT SURFACING TON
			SURFACE COURSE, TYPE B TON	BASE COURSE, TYPE B TON					
LT STA 7+00.00	17	O&C SIDE ROAD				22.68	50.39		5.64
LT STA 16+65.00	18	AGG FE							
LT STA 19+83.00	18	TURF FE							
LT STA 33+52.00	18	O&C SIDE ROAD				22.72	50.48		5.65
LT STA 46+70.00	20	TURF FE							
LT STA 59+82.00	18	O&C SIDE ROAD				19.03	42.28		4.74
LT STA 78+69.00	18	TURF FE							
LT STA 87+75.00	24	AGG PE	2.73		36.00				3.14
LT STA 91+74.00	10	AGG PE	1.67		22.00				1.92
LT STA 100+37.00	16	TURF FE							
LT STA 110+50.00	32	AGG PE	3.34		44.00				3.83
LT STA 111+98.00	38	AGG PE	3.80		50.00				4.36
LT STA 117+53.00	16	O&C SIDE ROAD				25.89	57.53		6.44
LT STA 130+10.00	14	TURF FE							
LT STA 143+58.00	22	AGG FE							
LT STA 147+94.00	26	HMA PE				15.20	33.78		3.78
LT STA 155+42.00	16	TURF FE							
LT STA 170+83.00	18	O&C SIDE ROAD				20.60	45.78		5.13
LT STA 184+17.00	14	TURF FE							
LT STA 197+52.00	18	O&C SIDE ROAD				23.72	52.71		5.90
LT STA 210+83.00	30	AGG FE							
LT STA 224+16.00	16	O&C SIDE ROAD				21.03	46.72		5.23
LT STA 229+63.00	14	TURF FE							
LT STA 244+07.00	14	TURF FE							
LT STA 257+73.00	37	AGG FE							
LT STA 258+16.00	16	HMA PE				11.20	24.89		2.79
LT STA 264+06.00	14	TURF FE							
LT STA 268+50.00	13	TURF FE							
RT STA 0+82.00	10	HMA BICYCLE TRAIL				4.08	9.06		1.01
RT STA 1+20.00	24	HMA PARKING LOT				14.72	32.70		3.66
RT STA 12+45.00	23	CONC CE				14.00		31.11	4.00
RT STA 14+02.00	50	CONC CE				24.80		55.11	6.17
RT STA 22+76.00	28	AGG FE							
RT STA 29+27.00	50	HMA CE				24.80	55.11		6.17
RT STA 39+95.00	14	TURF FE							
RT STA 48+26.00	14	TURF FE							
RT STA 56+50.00	14	TURF FE							
TOTAL			13.94	66.60	622.38	*463.08	848.00	86.22	167.74

ENTRANCE AND SIDE ROADS

LOCATION	LENGTH FOOT	TYPE	AGGREGATE	AGGREGATE	BITUMINOUS MATERIALS (PRIME COAT) POUND	BITUMINOUS MATERIALS (TACK COAT) POUND	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SQ YD	PCC SURFACE REMOVAL - BUTT JOINT SQ YD	INCIDENTAL HOT-MIX ASPHALT SURFACING TON
			SURFACE COURSE, TYPE B TON	BASE COURSE, TYPE B TON					
RT STA 59+82.00	18	O&C SIDE ROAD							41.66
RT STA 72+96.00	12	AGG FE							
RT STA 74+73.00	19	TURF FE							
RT STA 75+40.00	39	TURF FE							
RT STA 81+16.00	28	HMA PE							16.00
RT STA 81+59.00		AGG MB		7.40	48.75				35.56
RT STA 87+60.00		HMA MB		7.40	48.75				4.00
RT STA 94+98.00	13	HMA PE							10.00
RT STA 95+07.00		HMA MB		7.40	48.75				22.22
RT STA 106+47.00	12	TURF FE							4.00
RT STA 110+50.00		MB		7.40	48.75				4.00
RT STA 117+70.00	16	O&C SIDE ROAD							25.89
RT STA 119+05.00	14	AGG PE/MB	2.40		31.63				57.53
RT STA 131+16.00	12	TURF FE							6.44
RT STA 141+23.00	16	TURF FE							
RT STA 144+06.00	30	AGG FE							
RT STA 145+71.00	13	HMA PE							10.00
RT STA 145+87.00		HMA MB		7.40	48.75				22.22
RT STA 146+01.00	11	HMA PE							9.20
RT STA 147+94.00		HMA MB		7.40	48.75				20.44
RT STA 151+65.00	22	TURF FE							4.00
RT STA 164+64.00	17	TURF PE							
RT STA 170+83.00	56	O&C SIDE ROAD							19.17
RT STA 184+15.00	18	TURF FE							42.59
RT STA 191+63.00	36	HMA PE							19.20
RT STA 192+55.00	14	HMA PE							10.40
RT STA 192+73.00		HMA MB		7.40	48.75				23.11
RT STA 197+65.00	14	TURF FE							4.00
RT STA 211+05.00	17	TURF FE							
RT STA 224+16.00	66	O&C SIDE ROAD							21.89
RT STA 250+43.00	30	AGG FE							48.63
RT STA 258+10.00		HMA MB		7.40	48.75				5.45
RT STA 263+74.00	22	TURF FE							4.00
RT STA 268+42.00	26	HMA PE							15.20
RT STA 268+95.00		HMA MB		7.40	48.75				33.78
TOTAL			13.94	66.60	622.38	*463.08	848.00	86.22	167.74

* SEE HMA SURFACE REMOVAL -BUTT JOINT SCHEDULE FOR ADDITIONAL QUANTITY
 * SEE AGGREGATE BASE COURSE, TYPE B SCHEDULE FOR ADDITIONAL QUANTITY
 * SEE BITUMINOUS MATERIALS (TACK COAT) SCHEDULE FOR ADDITIONAL QUANTITY

SHORT TERM PAVEMENT MARKINGS

LOCATION	NO. OF APPLICATIONS	SHORT TERM PAVEMENT MARKINGS FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT
YELLOW SKIP DASH			
STA 0+17.00 TO STA 3+40.44	5	180	12
STA 4+06.41 TO STA 276+90.00	5	13,660	911
TOTAL		13,840	923

SHORT TERM PAVEMENT MARKINGS ON RECYCLED PAVEMENT AND ON MILLED PAVEMENT SHALL BE PAINT

PERMANENT SURVEY MARKERS, TYPE I

LOCATION	FOOT
STA 33+43.99 6.58 RT	1
STA 59+83.88 5.95 RT	1
STA 170+84.25 1.10 LT	1
STA 197+57.64 1.13 RT	1
STA 224+14.57 4.15 RT	1
STA 277+29.76 0.69 RT	1
TOTAL	6

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	SQ YD
STA 134+07.00 TO STA 134+92.00	207.78
STA 135+42.00 TO STA 136+27.00	207.78
STA 233+11.00 TO STA 233+96.00	207.78
STA 234+46.00 TO STA 235+31.00	207.78
STA 276+05.00 TO STA 276+90.00	207.78
TOTAL	1,038.90

* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITY

LONGITUDINAL JOINT SEALANT

LOCATION	FOOT
CENTERLINE	
STA 0+17.00 TO STA 1+68.59	151.59
STA 1+68.59 TO STA 3+40.44	171.85
STA 4+06.41 TO STA 134+92.00	13,085.59
STA 135+42.00 TO STA 233+96.00	9,854.00
STA 234+46.00 TO STA 276+90.00	4,244.00
LT EOP	
eos STA 0+17.00 TO STA 1+68.59	210.00
STA 0+17.00 TO STA 1+68.59	151.59
STA 107+83.47 TO STA 127+95.78	2,012.31
RT EOP	
eos STA 0+17.00 TO STA 1+68.59	135.00
STA 0+17.00 TO STA 1+68.59	151.59
STA 107+83.47 TO STA 127+95.78	2,012.31
TOTAL	32,180



JOB = 2349
 FILE NAME = 005-2349-sht-sched-p2.dgn
 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 4/20/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

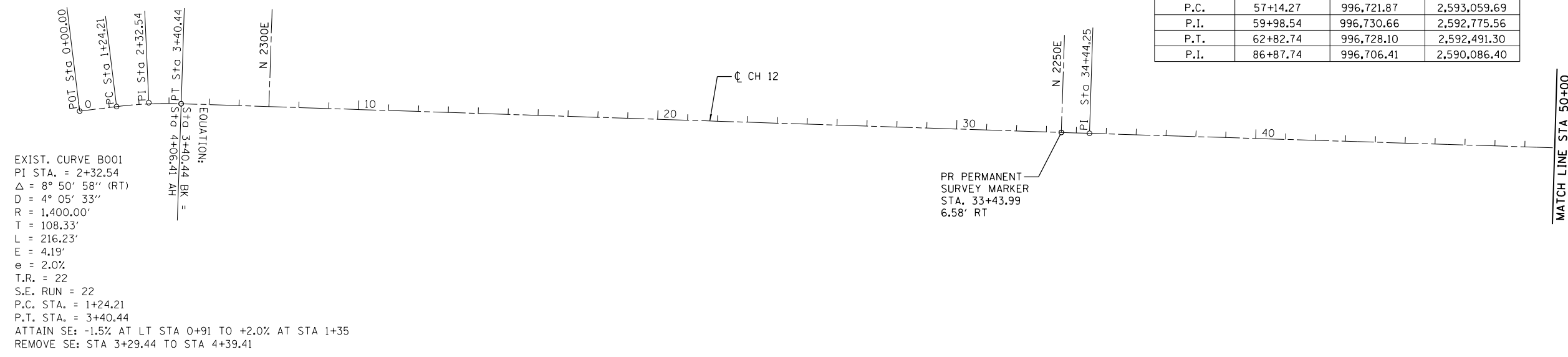
CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS

SCHEDULE OF QUANTITIES

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

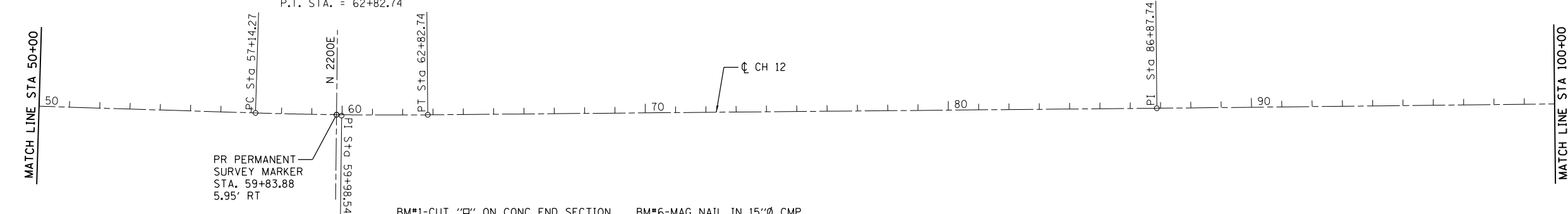
F.A.S. SECTION COUNTY TOTAL SHEETS SHEET NO.
 RTE. 732 15-00040-05-RS CHRISTIAN 54 10
 CONTRACT NO. 93770
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CH 12			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T.	0+00.00	996,577.53	2,598,703.95
P.C.	1+24.21	996,562.42	2,598,580.66
P.I.	2+32.54	996,549.25	2,598,473.14
P.T.	3+40.44	996,552.78	2,598,364.86
P.O.T.	4+06.41	996,552.78	2,598,364.86
P.O.T.	3+40.44	996,552.78	2,598,364.86
P.I.	34+44.25	996,651.68	2,595,328.64
P.C.	57+14.27	996,721.87	2,593,059.69
P.I.	59+98.54	996,730.66	2,592,775.56
P.T.	62+82.74	996,728.10	2,592,491.30
P.I.	86+87.74	996,706.41	2,590,086.40



EXIST. CURVE B001
 PI STA. = 2+32.54
 $\Delta = 8^\circ 50' 58''$ (RT)
 $D = 4^\circ 05' 33''$
 $R = 1,400.00'$
 $T = 108.33'$
 $L = 216.23'$
 $E = 4.19'$
 $e = 2.0\%$
 $T.R. = 22$
 $S.E. RUN = 22$
 $P.C. STA. = 1+24.21$
 $P.T. STA. = 3+40.44$
 ATTAIN SE: -1.5% AT LT STA 0+91 TO +2.0% AT STA 1+35
 REMOVE SE: STA 3+29.44 TO STA 4+39.41

EXIST. CURVE B002
 PI STA. = 59+98.54
 $\Delta = 2^\circ 17' 19''$ (LT)
 $D = 0^\circ 24' 09''$
 $R = 14,232.00'$
 $T = 284.27'$
 $L = 568.47'$
 $E = 2.84'$
 $e = \text{NORMAL CROWN}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 57+14.27$
 $P.T. STA. = 62+82.74$



PR PERMANENT SURVEY MARKER STA. 59+83.88 5.95' RT

- BM#1-CUT "□" ON CONC END SECTION
RT STA 1+50
ELEV 681.70
- BM#2-CUT "□" ON HEADWALL
RT STA 12+32
ELEV 680.29
- BM#3-MAG NAIL IN ADE CMP
RT STA 23+04
ELEV 676.59
- BM#4-CUT "□" ON HEADWALL
LT STA 33+29
ELEV 675.03
- BM#5-USGS TABLET IN HEADWALL
LT STA 36+00
ELEV 676.38
- BM#6-MAG NAIL IN 15"Ø CMP
RT STA 48+34
ELEV 681.58
- BM#7-CUT "□" ON HEADWALL
LT STA 59+65
ELEV 680.73
- BM#8-CUT "□" ON HEADWALL
RT STA 75+04
ELEV 671.72
- BM#9-TOP POINT ROW MARKER
RT STA 85+89
ELEV 689.83



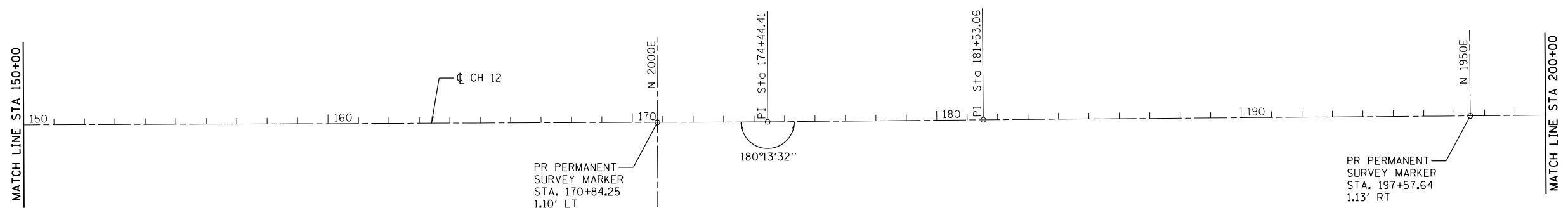
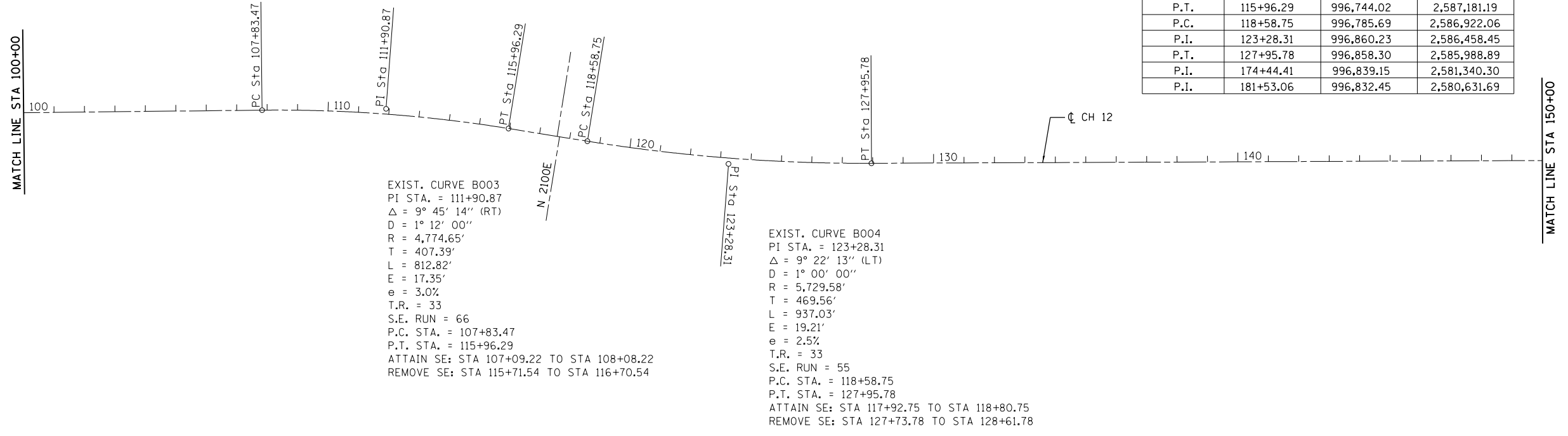
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FILE NAME = 006-2349-2-sht-01.dgn	DRAWN - -	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - -	REVISED -
PLOT DATE = 3/12/2021	DATE - -	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

ALIGNMENT		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		732	15-00040-05-RS	CHRISTIAN	54	11
SCALE:		SHEET NO. 1 OF 3 SHEETS		STA.	TO STA.	

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

CH 12			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.C.	107+83.47	996,683.75	2,587,990.79
P.I.	111+90.87	996,679.35	2,587,583.42
P.T.	115+96.29	996,744.02	2,587,181.19
P.C.	118+58.75	996,785.69	2,586,922.06
P.I.	123+28.31	996,860.23	2,586,458.45
P.T.	127+95.78	996,858.30	2,585,988.89
P.I.	174+44.41	996,839.15	2,581,340.30
P.I.	181+53.06	996,832.45	2,580,631.69



- BM#10-MAG NAIL IN 15"Ø CMP
LT STA 100+26
ELEV 686.75
- BM#11-TOP POINT ROW MARKER
LT STA 117+87
ELEV 689.18
- BM#12-MAG NAIL IN 18"Ø CMP
RT STA 131+22
ELEV 671.94
- BM#13-MAG NAIL IN 15"Ø CMP
RT STA 144+25
ELEV 677.76
- BM#14-MAG NAIL IN LONE POST
LT STA 155+34
ELEV 673.22
- BM#15-TOP POINT ROW MARKER
LT STA 171+10
ELEV 685.59



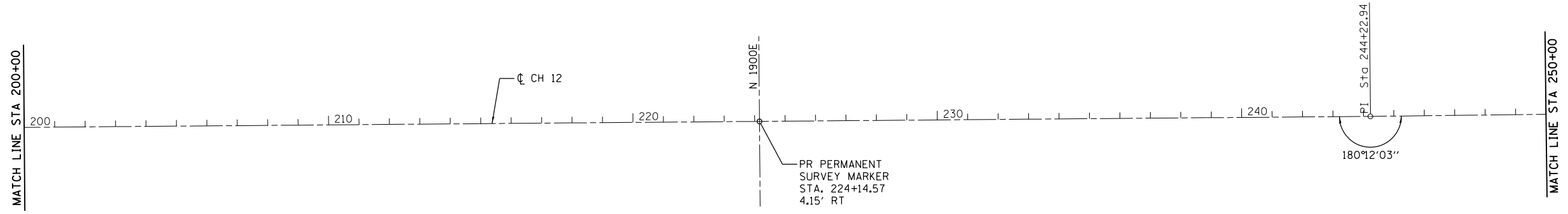
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PLOT SCALE = 400.0000' / in.	CHECKED - -	REVISED -
PLOT DATE = 3/12/2021	DATE - -	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

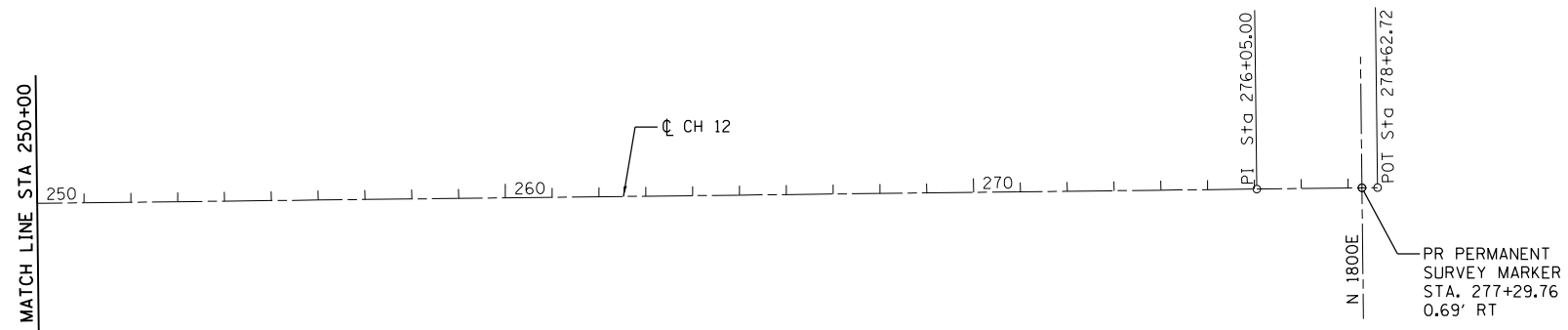
ALIGNMENT	
SCALE:	SHEET NO. 2 OF 3 SHEETS
STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 93770



CH 12			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.I.	244+22.94	996,781.13	2,574,362.02
P.I.	276+05.00	996,743.83	2,571,180.18
P.I.	278+62.72	996,740.81	2,570,922.47



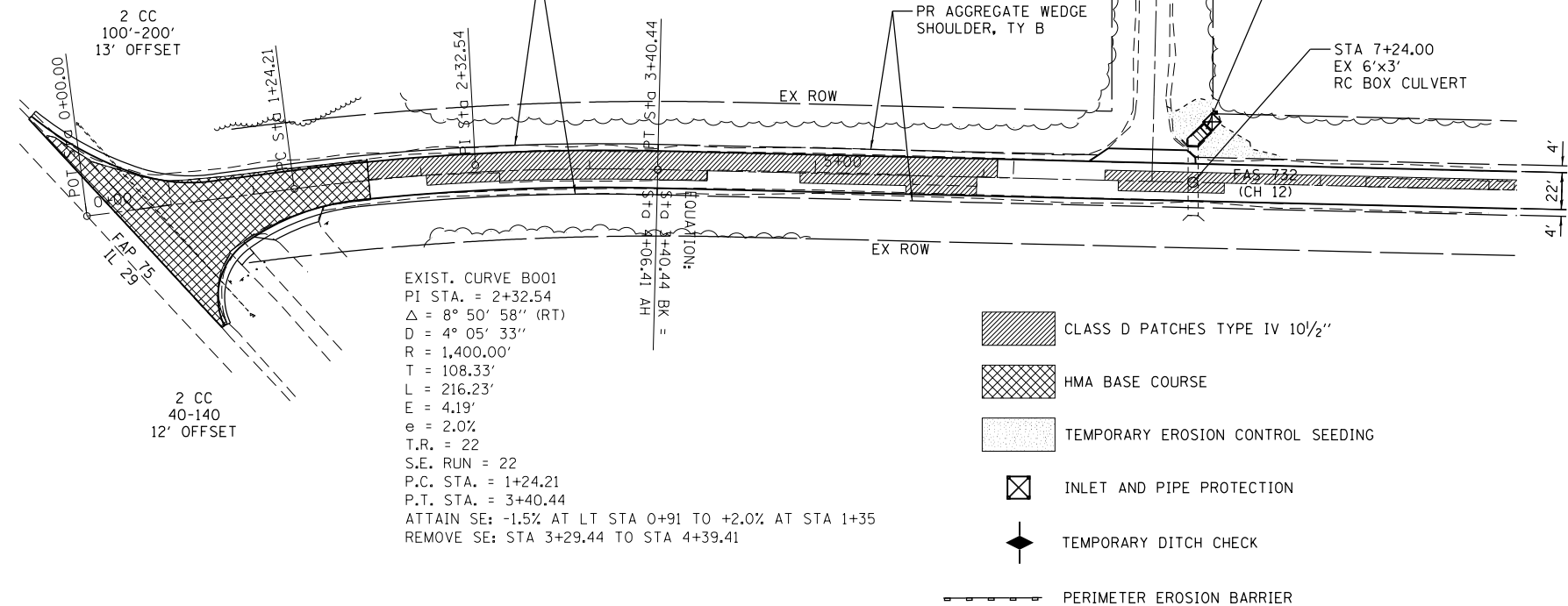
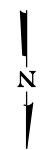
- BM*16-MAG NAIL IN 15"Ø CMP
RT STA 184+05
ELEV 692.18
- BM*17-MAG NAIL IN 15"Ø CMP
LT STA 197+32
ELEV 691.22
- BM*18-MAG NAIL IN 24"Ø CMP
LT STA 210+64
ELEV 677.68
- BM*19-CUT "□" ON HEADWALL
RT STA 223+99
ELEV 674.71
- BM*20-CUT "□" ON CURB
RT STA 234+21
ELEV 673.46
- BM*21-MAG NAIL IN 18"Ø CMP
RT STA 250+24
ELEV 667.52
- BM*22-CUT "□" ON HEADWALL
LT STA 265+53
ELEV 670.20
- BM*23-TOP POINT ROW MARKER
LT STA 277+08
ELEV 674.56



JOB = 2349	DESIGNED - -	REVISED -
FILE NAME = 006-2349-2-sht-01.dgn	DRAWN - -	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - -	REVISED -
PLOT DATE = 3/12/2021	DATE - -	REVISED -

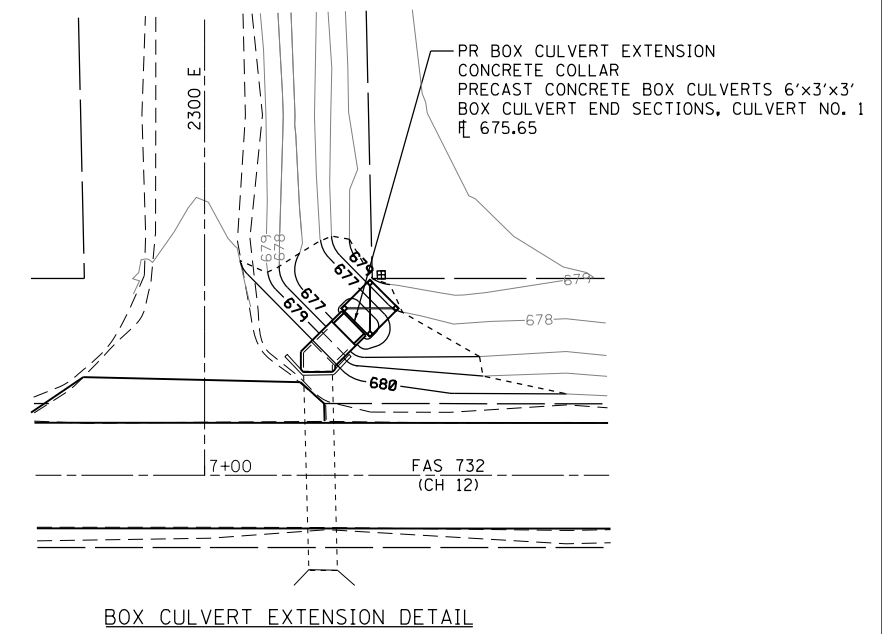
**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

ALIGNMENT		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 93770		
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

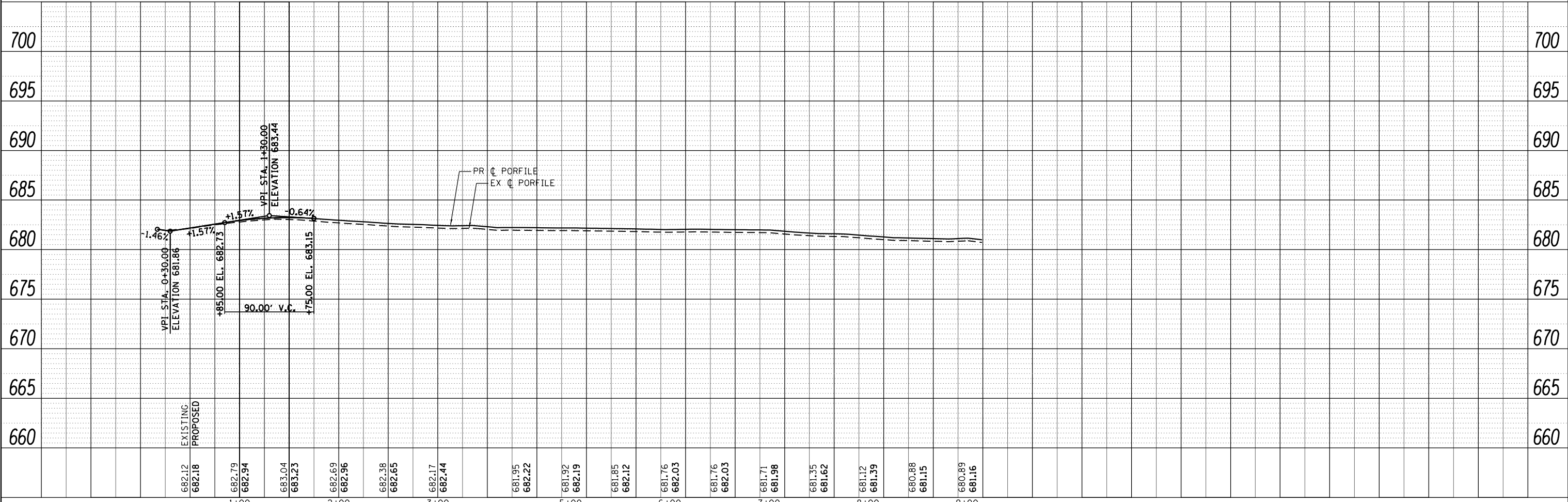


EXIST. CURVE B001
 PI STA. = 2+32.54
 $\Delta = 8^\circ 50' 58''$ (RT)
 $D = 4^\circ 05' 33''$
 $R = 1,400.00'$
 $T = 108.33'$
 $L = 216.23'$
 $E = 4.19'$
 $e = 2.0\%$
 $T.R. = 22$
 $S.E. RUN = 22$
 $P.C. STA. = 1+24.21$
 $P.T. STA. = 3+40.44$
 ATTAIN SE: -1.5% AT LT STA 0+91 TO +2.0% AT STA 1+35
 REMOVE SE: STA 3+29.44 TO STA 4+39.41

- CLASS D PATCHES TYPE IV 10 1/2"
- HMA BASE COURSE
- TEMPORARY EROSION CONTROL SEEDING
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER



BOX CULVERT EXTENSION DETAIL



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



JOB = 2349
 FILE NAME = 007-2349-sht-plan_50.dgn
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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

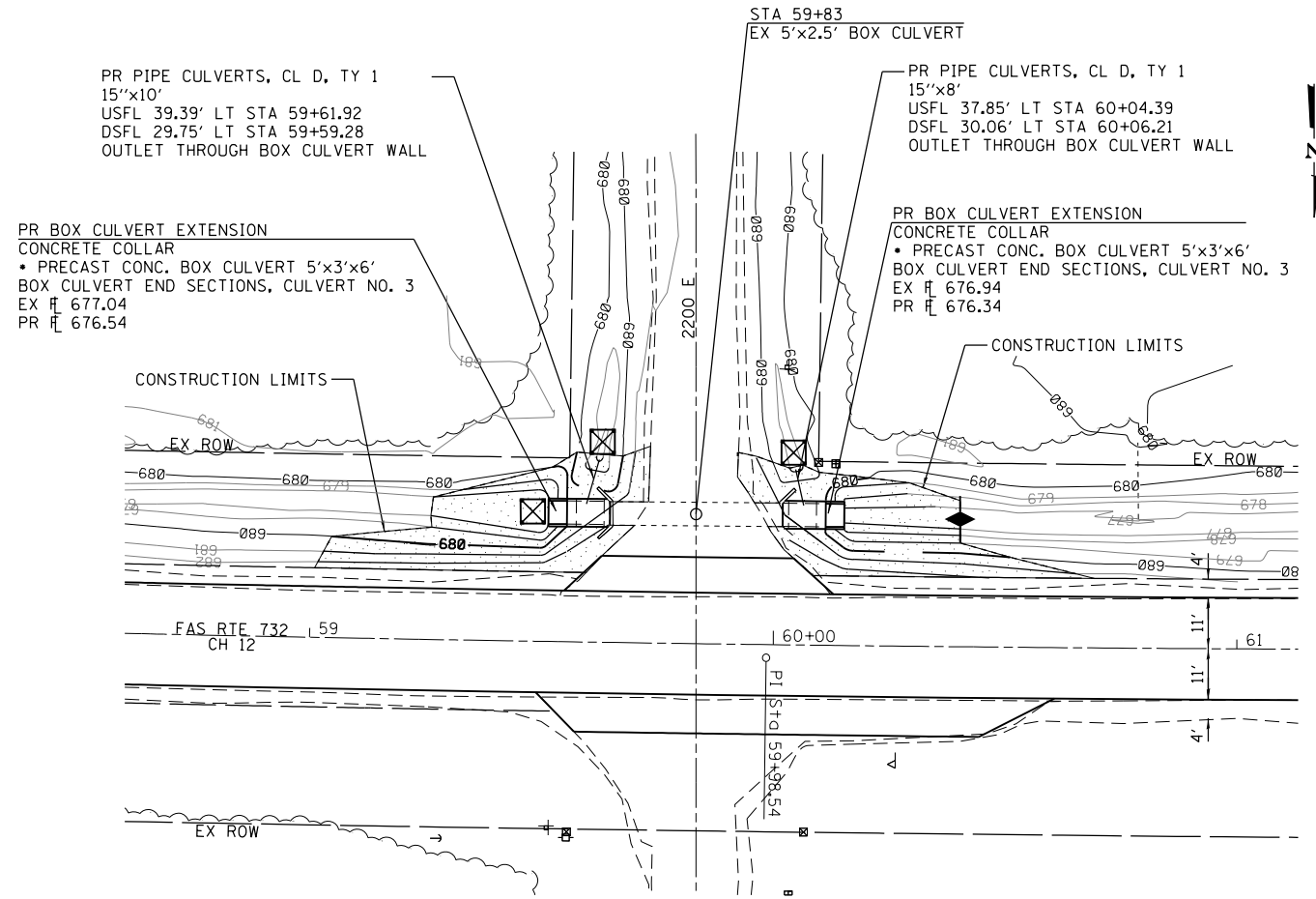
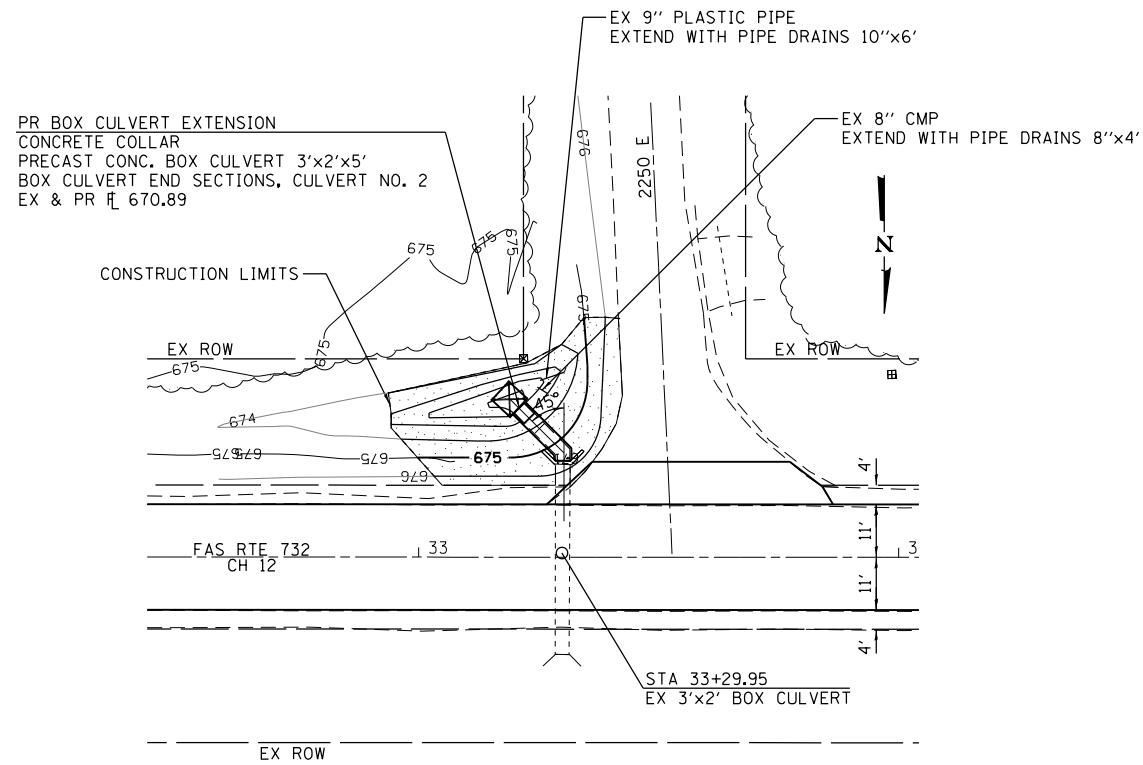
REVISED -
 REVISED -
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 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

PLAN AND PROFILE

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	



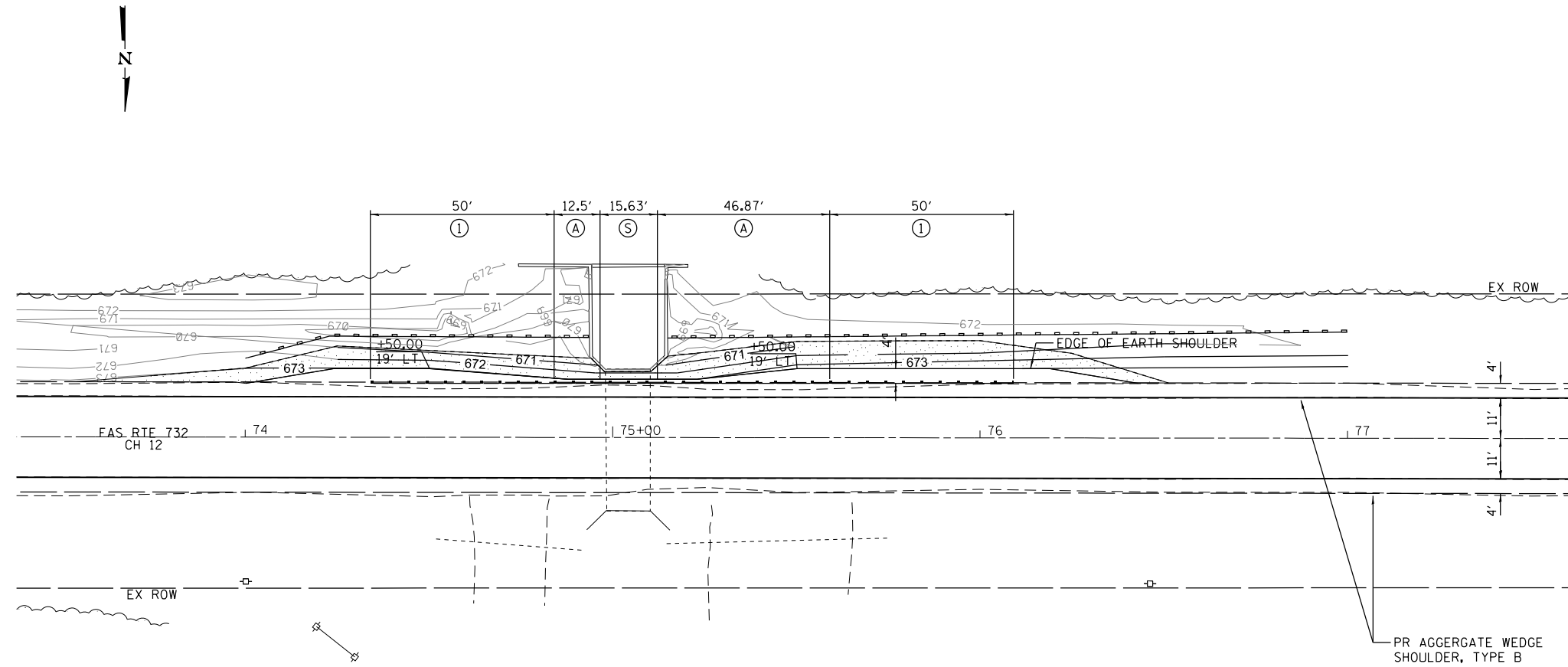
- TEMPORARY EROSION CONTROL SEEDING
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER





- CONSTRUCT FLOWLINE OF EXTENSION 6" BELOW EXISTING FLOWLINE
- PROPOSED PIPE DRAINS SHALL BE CONNECTED TO THE EXISTING PIPES IN MANNER APPROVED BY THE ENGINEER. COST INCLUDED IN THE COST FOR PIPE DRAINS

JOB = 2349	DESIGNED - -	REVISED -
FILE NAME = 008-2349-shr-plan_20.dgn	DRAWN - -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - -	REVISED -
PLOT DATE = 3/12/2021	DATE - -	REVISED -

CH 12 PLAN			
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	

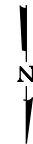


-  TEMPORARY EROSION CONTROL SEEDING
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

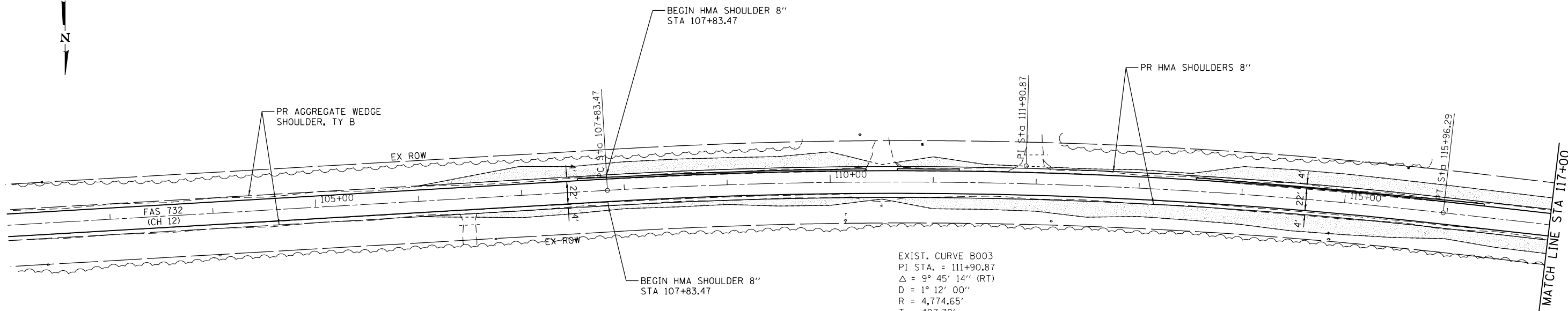
LEGEND

- ① TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT
- Ⓐ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- Ⓢ STRONG POST GUARDRAIL ATTACHED TO CULVERT

WIDEN SHOULDERS AT TYPE 1 TERMINALS AS SHOWN ON STANDARD 630301

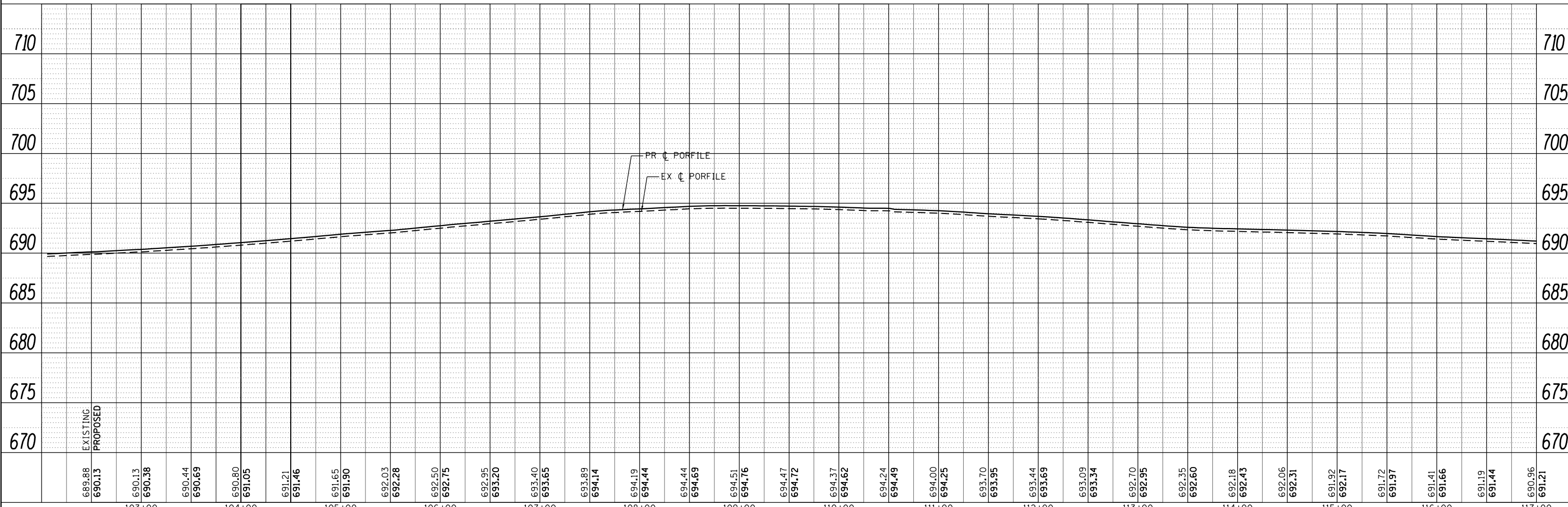


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		



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

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



JOB = 2349
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 CHECKED - -
 DATE - -

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 REVISED - -
 REVISED - -
 REVISED - -

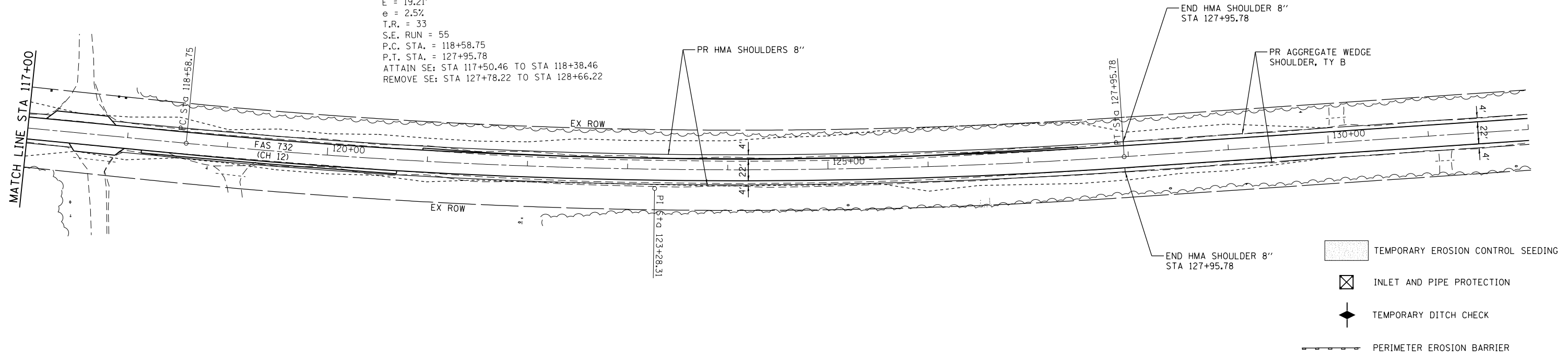
**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

PLAN AND PROFILE

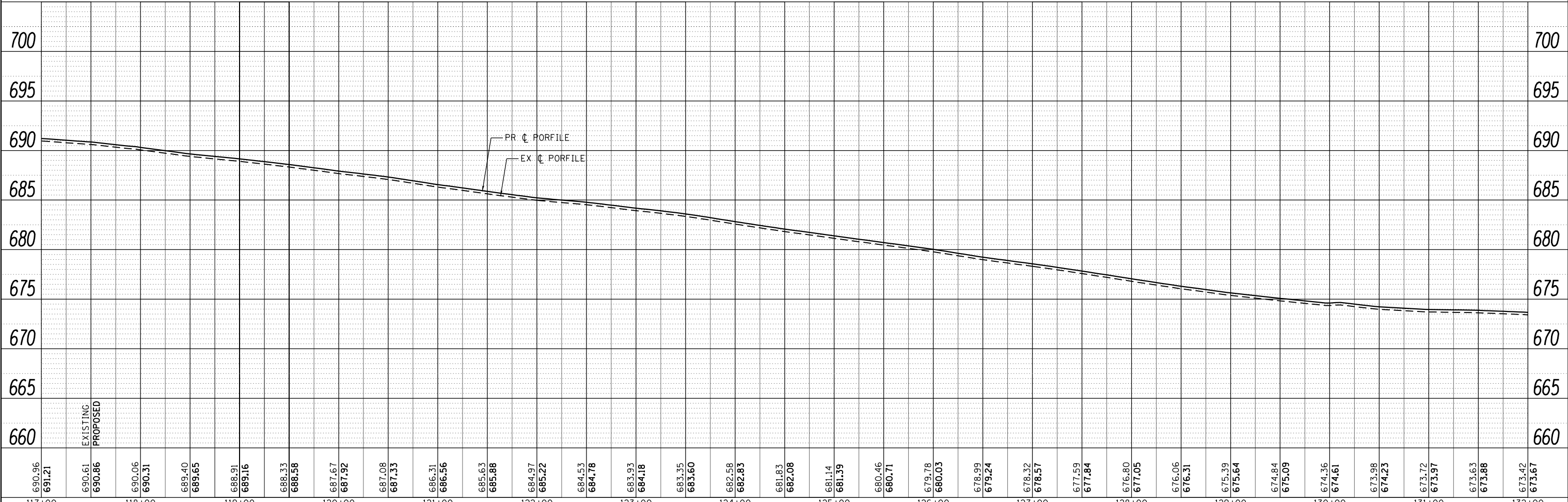
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732	15-00040-05-RS	CHRISTIAN	54	17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93770		

EXIST. CURVE B004
 PI STA. = 123+28.31
 $\Delta = 9^\circ 22' 13''$ (LT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 469.56'$
 $L = 937.03'$
 $E = 19.21'$
 $e = 2.5\%$
 $T.R. = 33$
 $S.E. RUN = 55$
 $P.C. STA. = 118+58.75$
 $P.T. STA. = 127+95.78$
 ATTAIN SE: STA 117+50.46 TO STA 118+38.46
 REMOVE SE: STA 127+78.22 TO STA 128+66.22



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



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
	BY	
	DATE	



JOB = 2349
 FILE NAME = 009-2349-sht-plan_50.dgn
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DESIGNED - -
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 CHECKED - -
 DATE - -

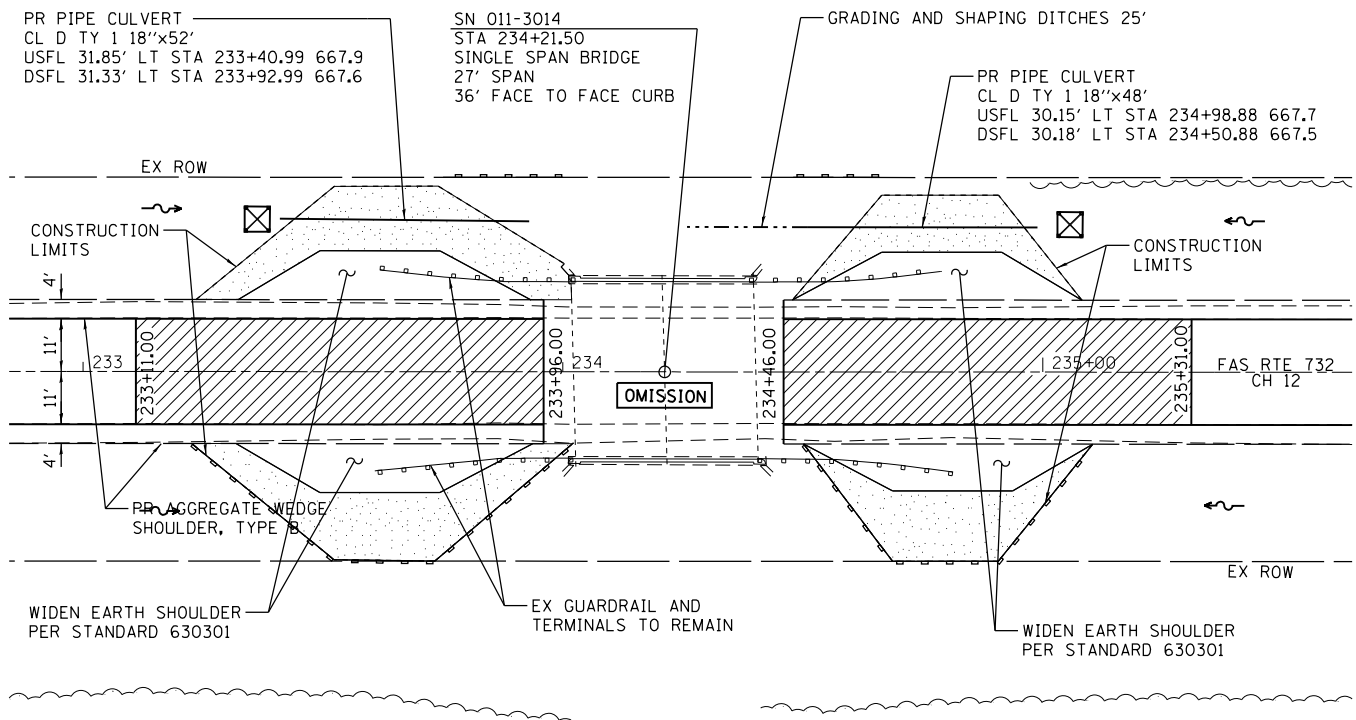
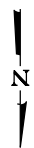
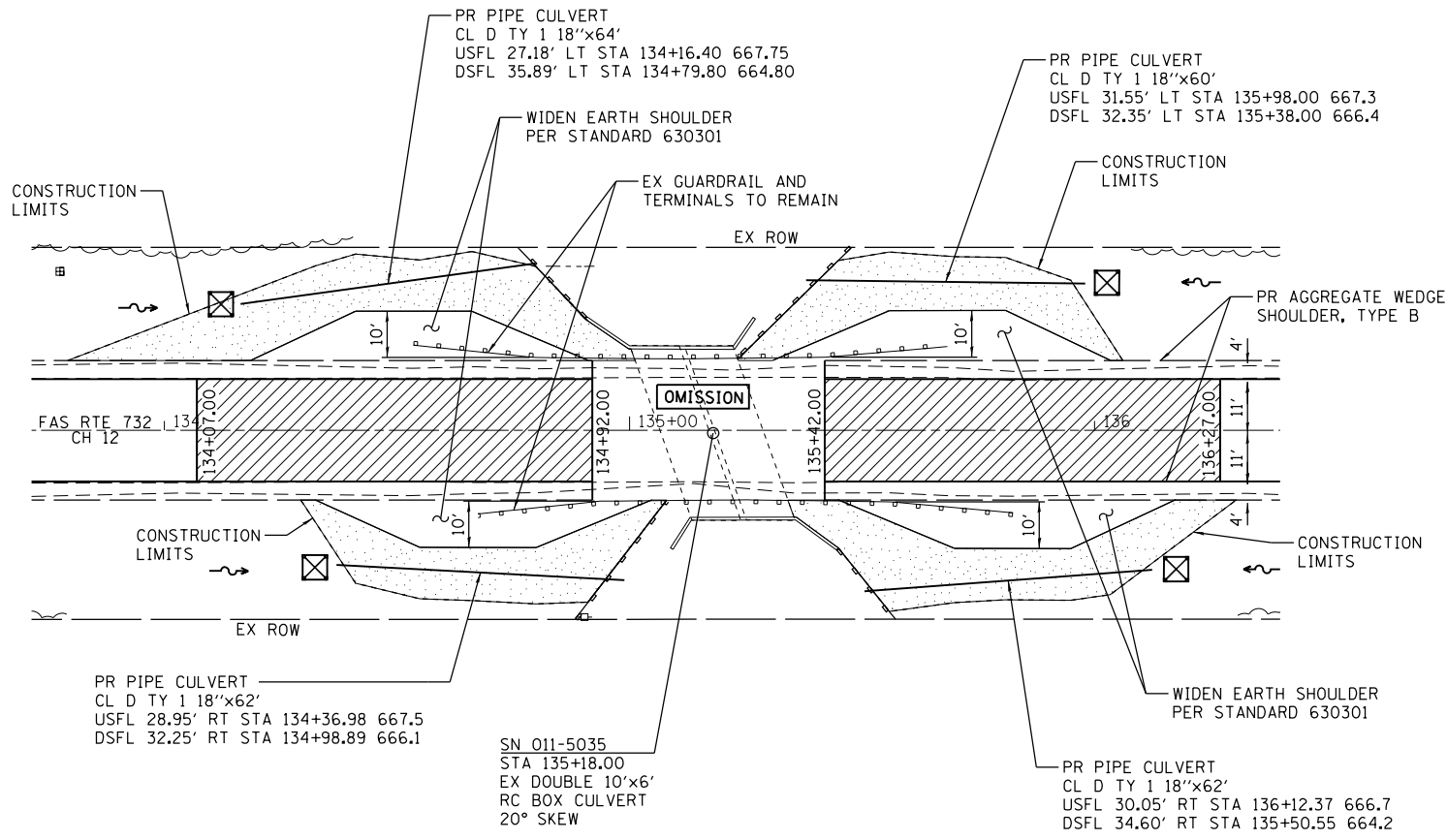
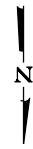
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**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

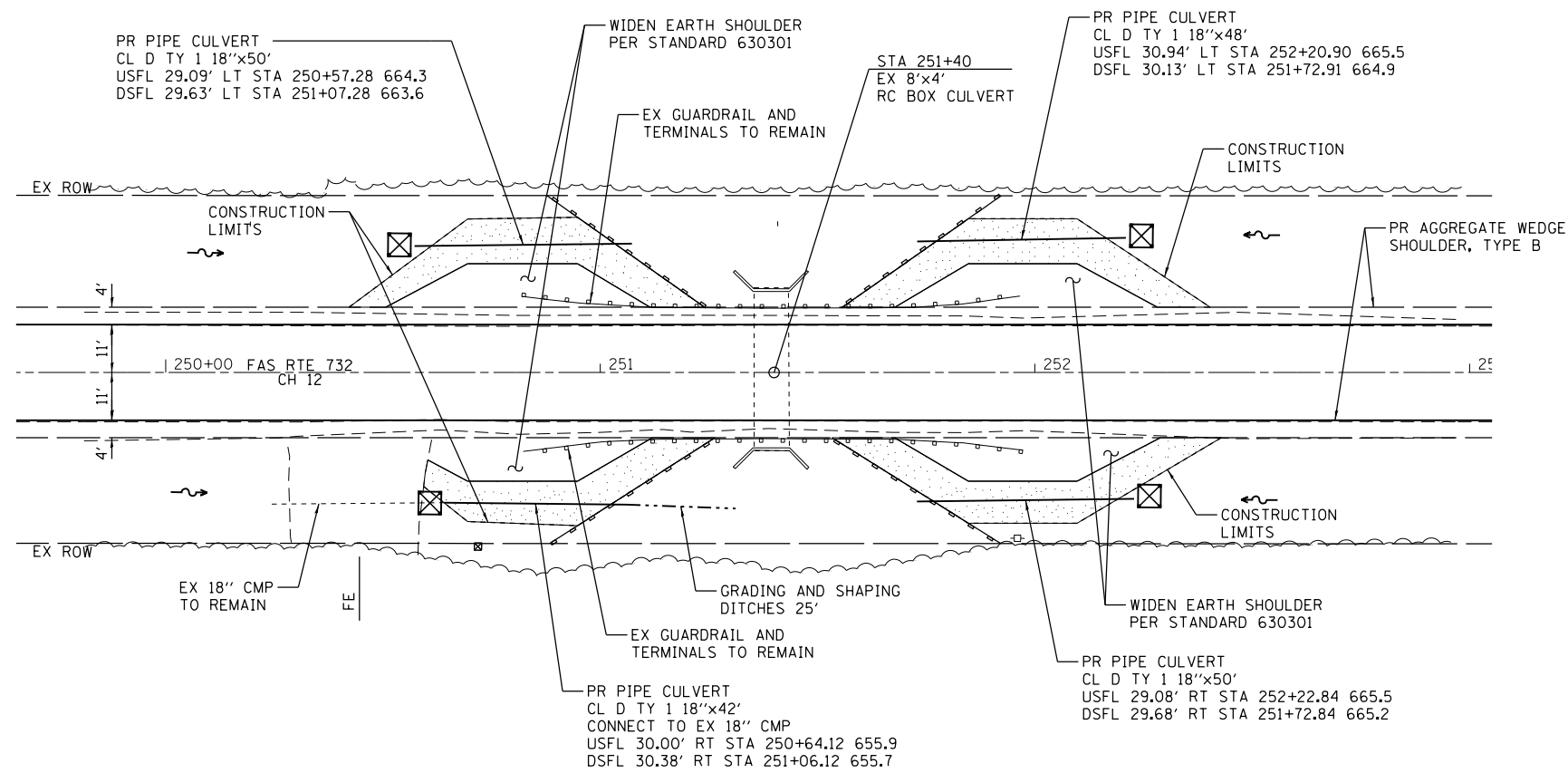
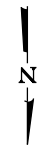
PLAN AND PROFILE

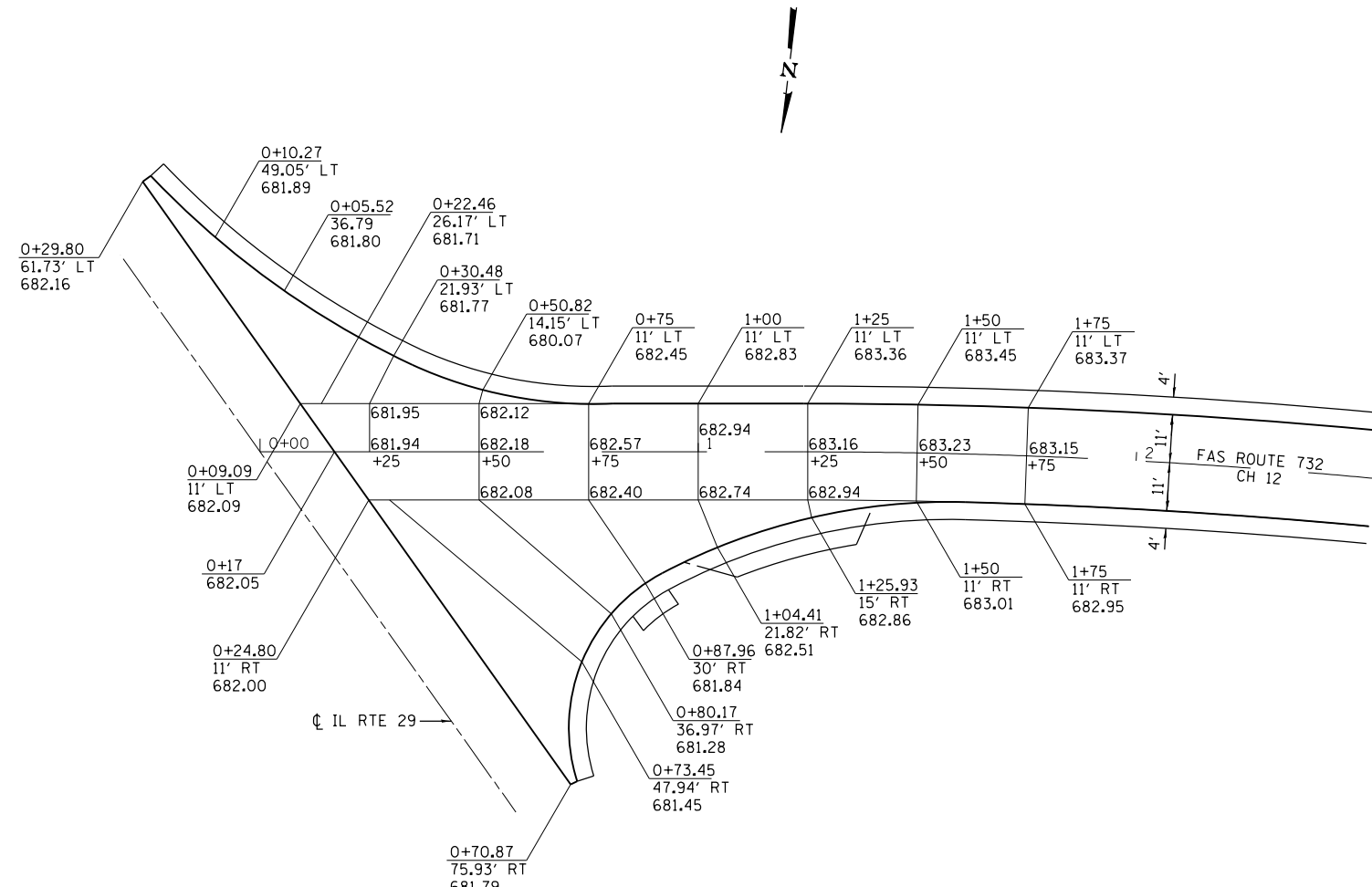
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	

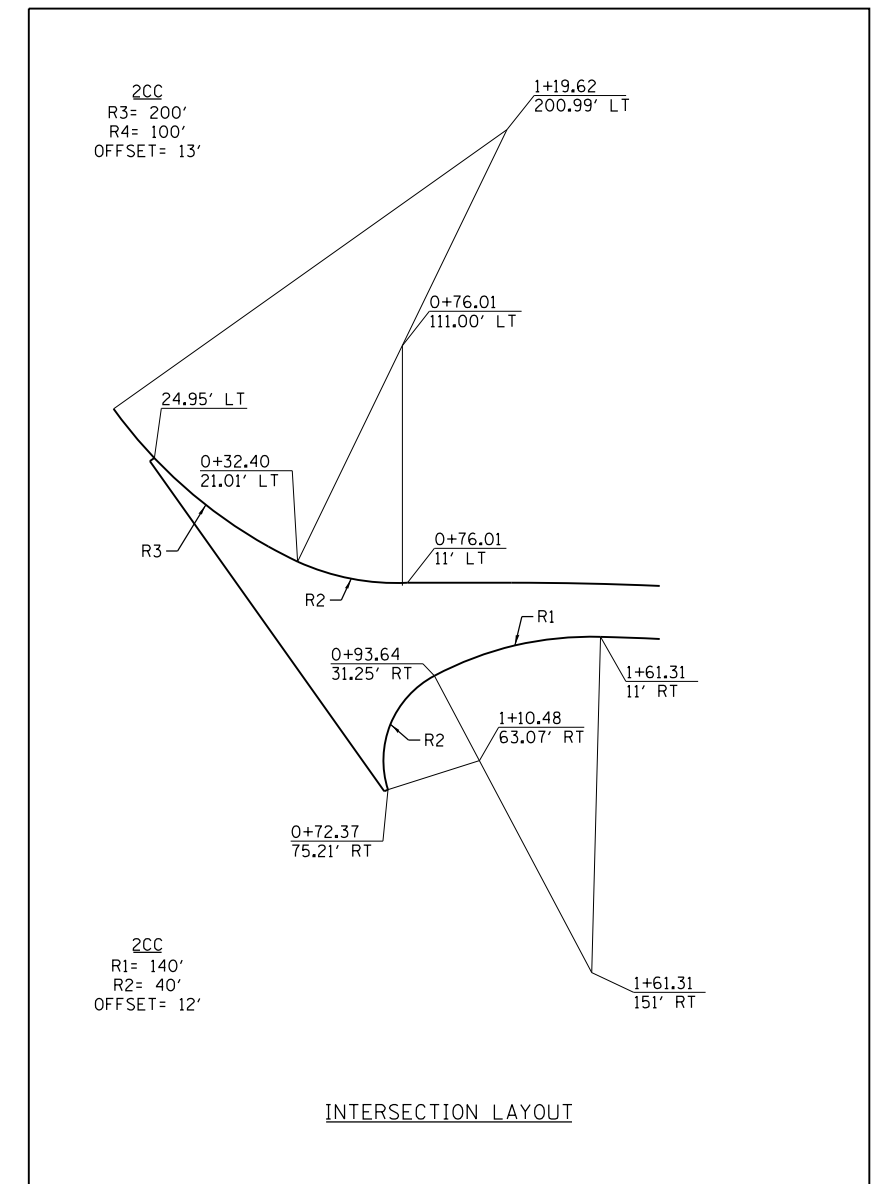


-  TEMPORARY EROSION CONTROL SEEDING
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT





INTERSECTION DETAIL
IL 29/CH 12



INTERSECTION LAYOUT

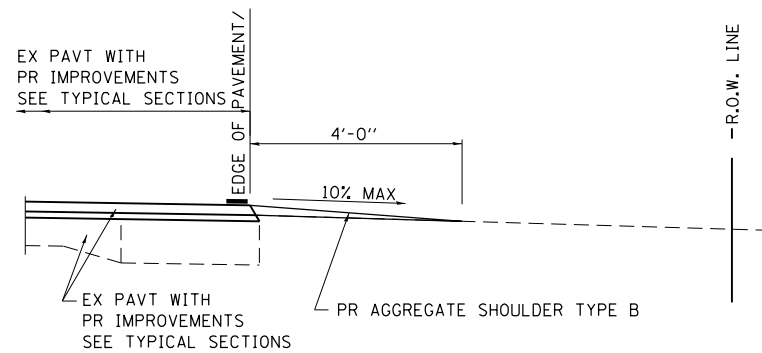


JOB = 2349	DESIGNED - -	REVISED -
FILE NAME = 011-2349.2-sht-int.dgn	DRAWN - -	REVISED -
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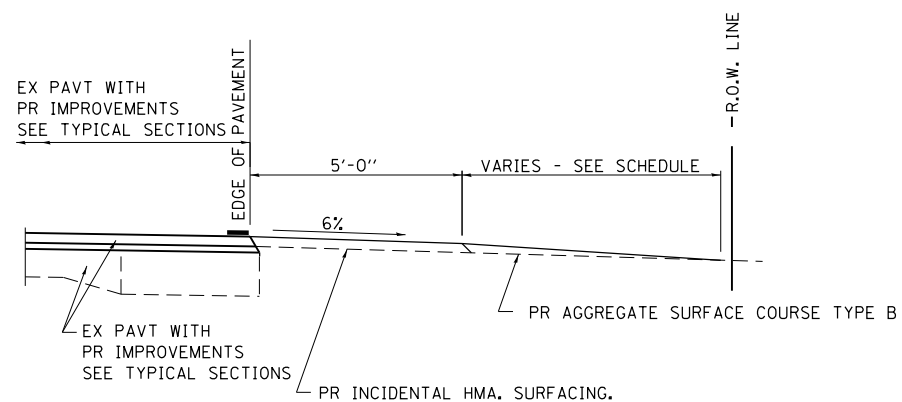
**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

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

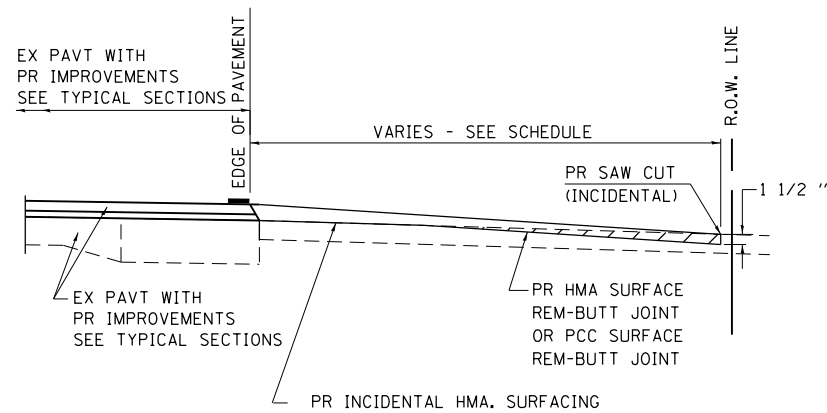
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732	15-00040-05-RS	CHRISTIAN	54	21
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	



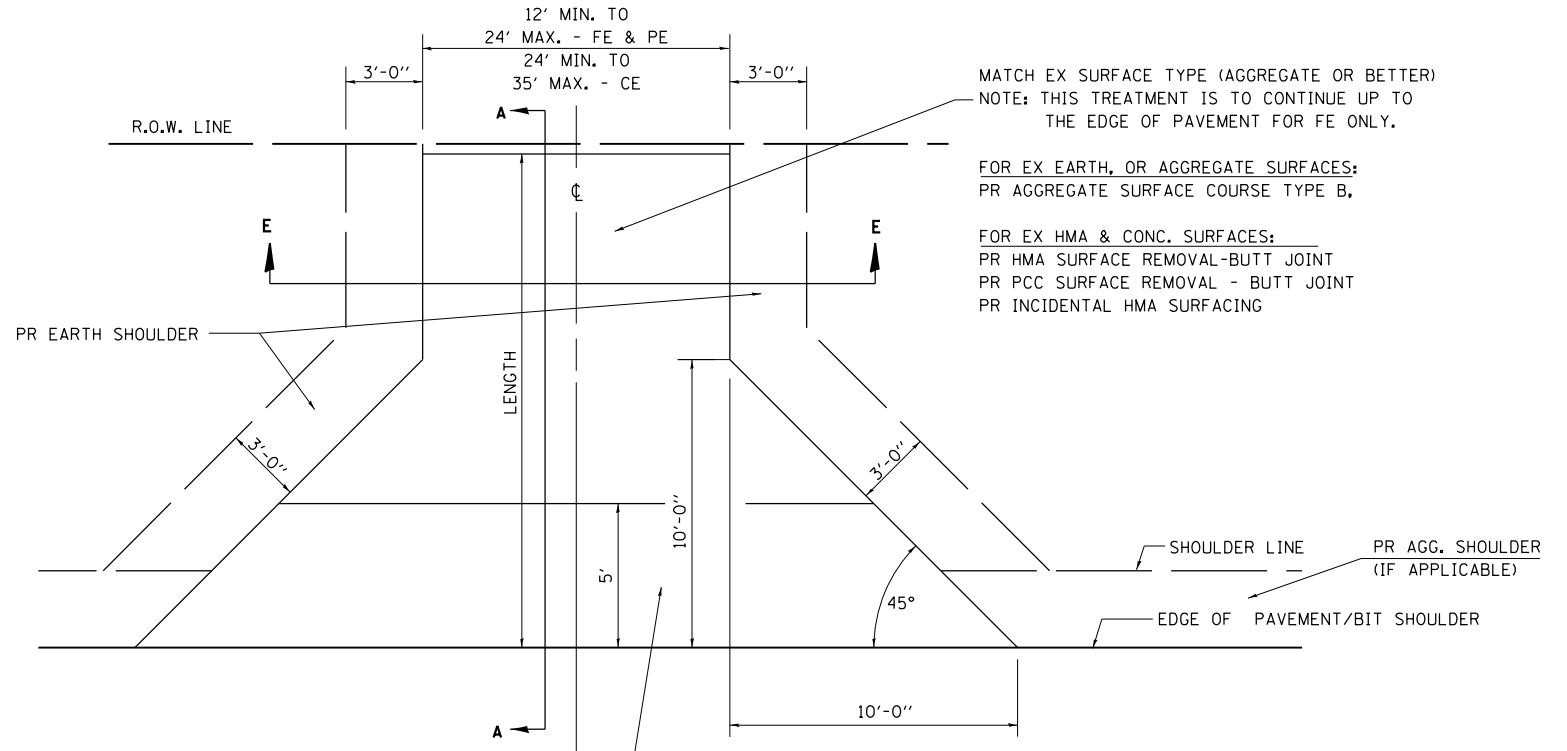
SECTION A-A FOR EX EARTH/AGGREGATE FE



SECTION A-A FOR EX AGGREGATE PE



SECTION A-A FOR EX P.C. HMA & CONC. PE & CE



FOR EX EARTH OR AGGREGATE SURFACES:
 PR AGGREGATE SHOULDER TYPE B - FE
 PR INCIDENTAL HMA SURFACING - PE

FOR HMA OR CONCRETE SURFACES:
 PR INCIDENTAL HMA SURFACING

MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)
 NOTE: THIS TREATMENT IS TO CONTINUE UP TO THE EDGE OF PAVEMENT FOR FE ONLY.

FOR EX EARTH, OR AGGREGATE SURFACES:
 PR AGGREGATE SURFACE COURSE TYPE B,

FOR EX HMA & CONC. SURFACES:
 PR HMA SURFACE REMOVAL - BUTT JOINT
 PR PCC SURFACE REMOVAL - BUTT JOINT
 PR INCIDENTAL HMA SURFACING

GENERAL NOTES:

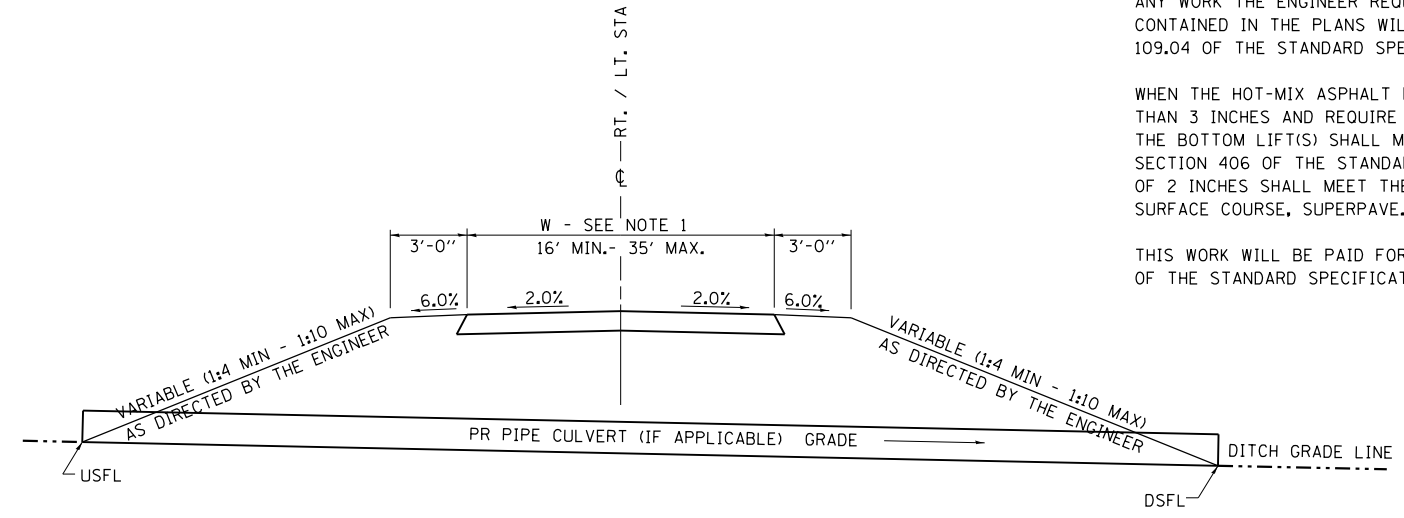
THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

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.

WHEN THE HOT-MIX ASPHALT PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

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



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 012-2349.2-sht-ent.dgn	DRAWN - SJS	REVISED -
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PLOT DATE = 3/12/2021	DATE - 10/22/2015	REVISED -

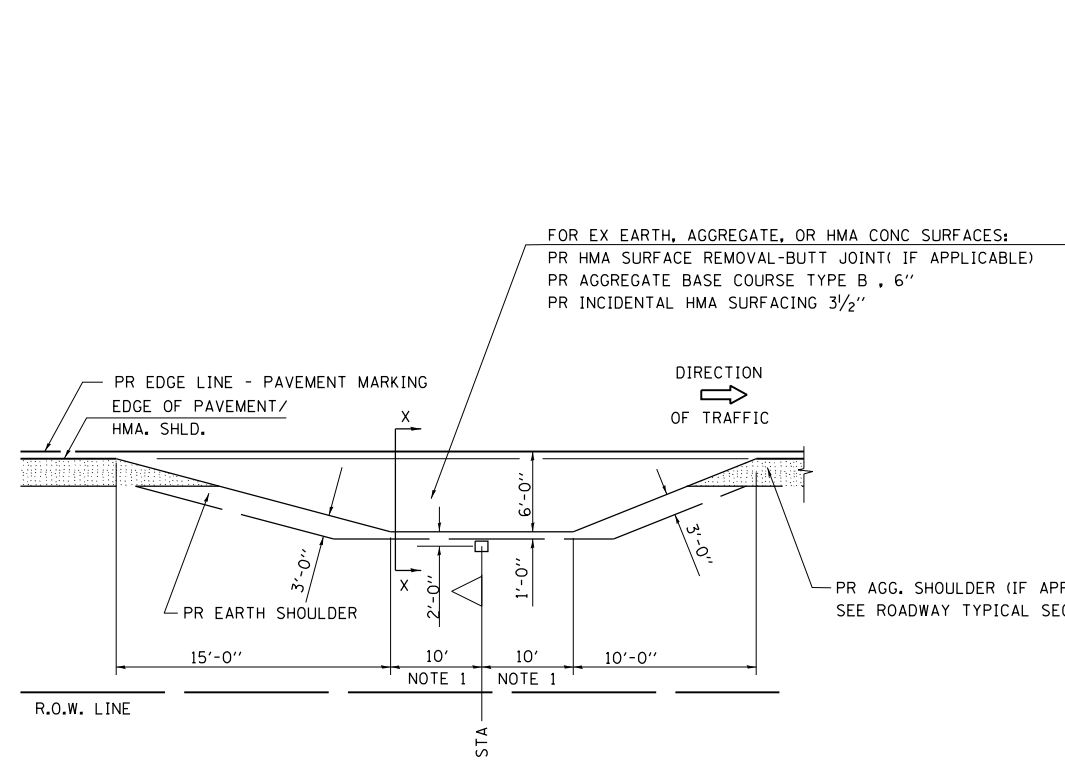
**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

ENTRANCE DETAILS

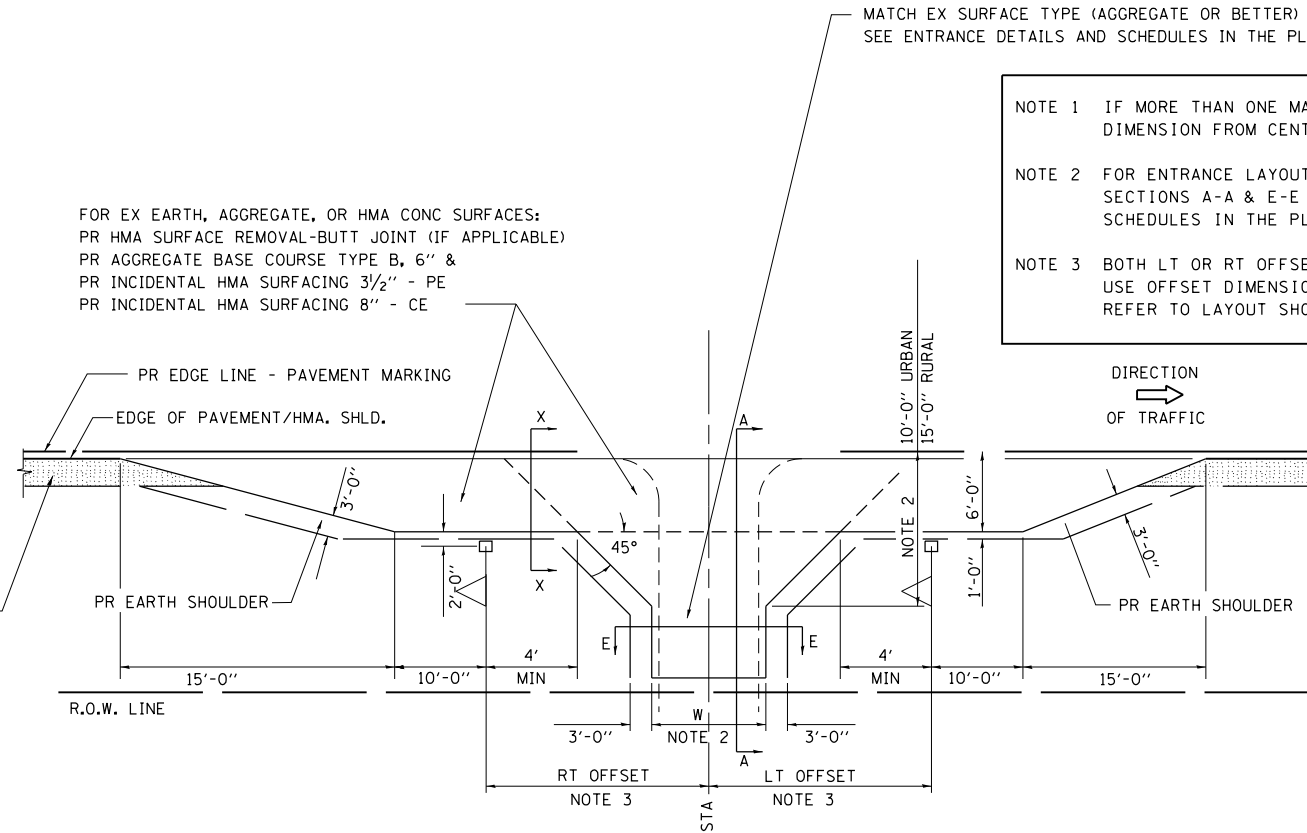
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	

DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

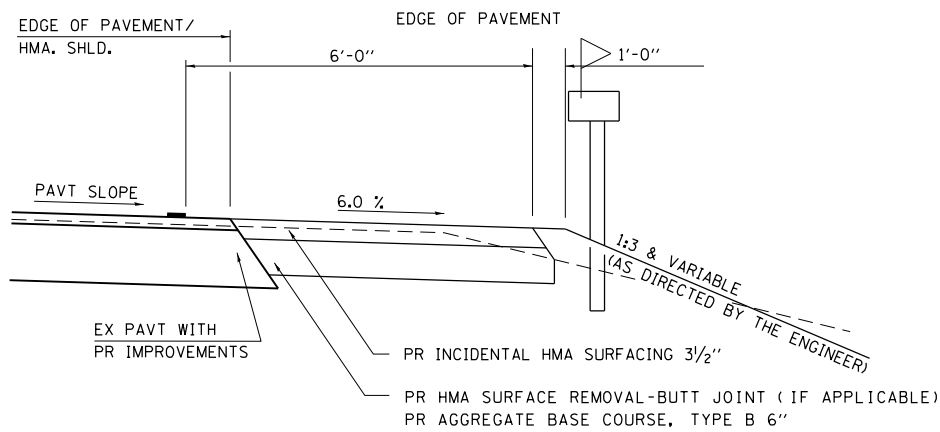


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE

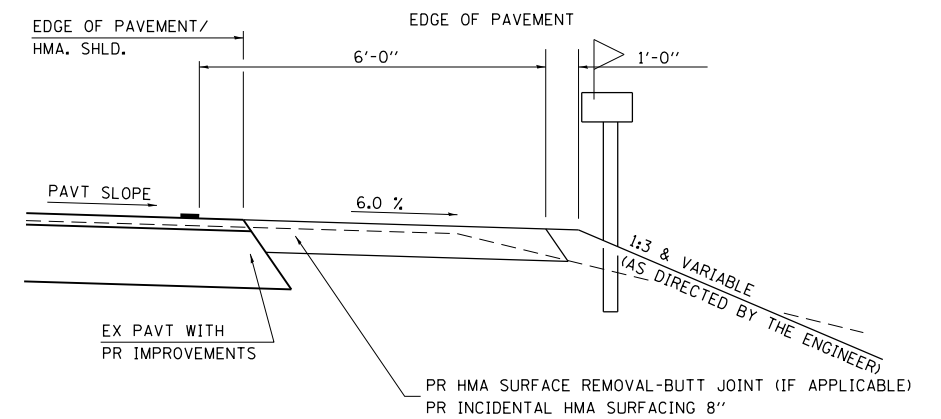
NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT,
 DIMENSION FROM CENTER OF END MAILBOX.

NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND
 SECTIONS A-A & E-E REFER TO THE
 SCHEDULES IN THE PLANS.

NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN
 USE OFFSET DIMENSION PER SCHEDULE AND
 REFER TO LAYOUT SHOWN ON THE PLAN.

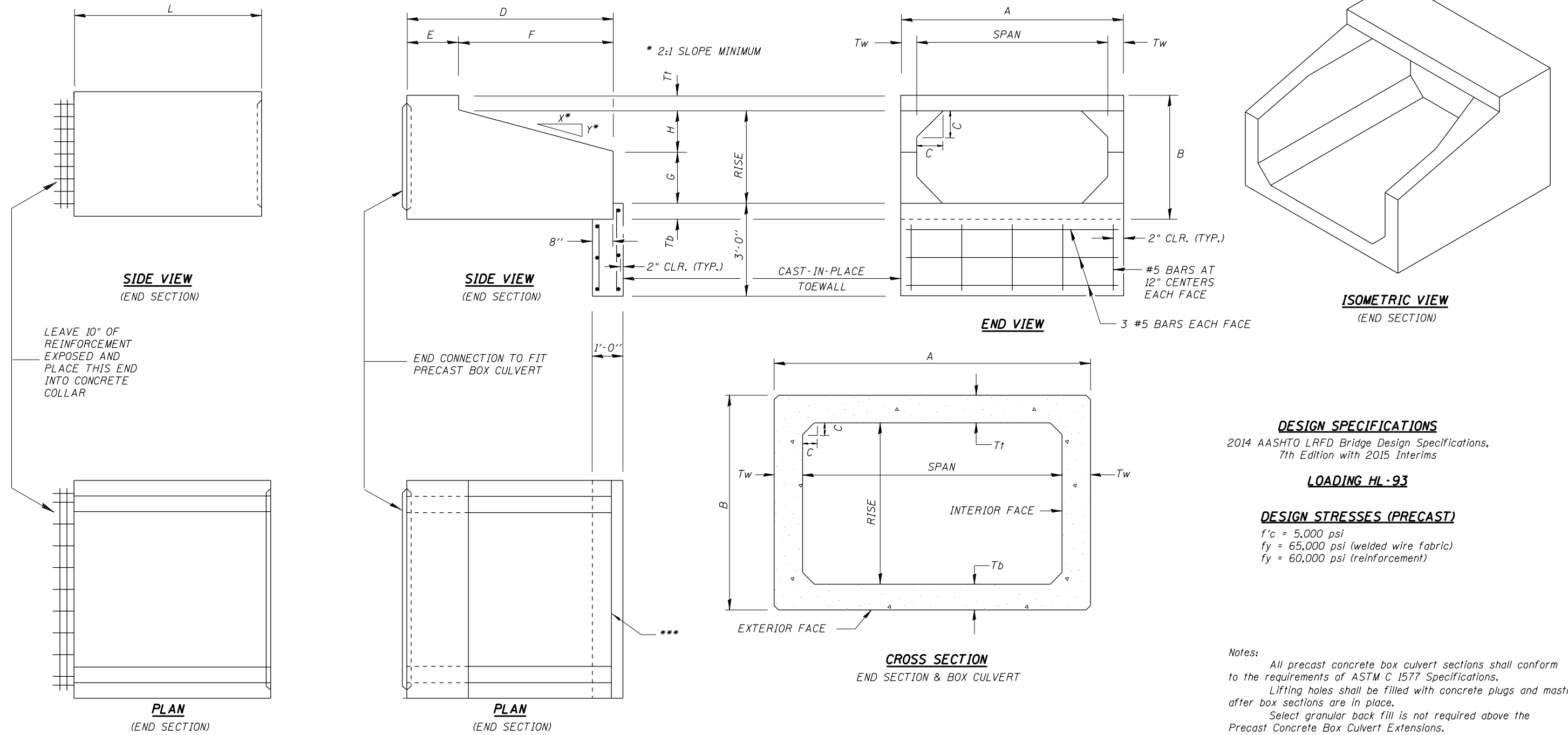


**SECTION X-X THRU MAILBOX TURNOUT
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
 EX EARTH, AGGREGATE, OR HMA PE & FE**



**SECTION X-X THRU MAILBOX TURNOUT
 COMBINED WITH EX EARTH, AGGREGATE, OR HMA CE**

DETAIL OF PRECAST CONCRETE BOX CULVERTS AND END SECTIONS



LEAVE 10" OF REINFORCEMENT EXPOSED AND PLACE THIS END INTO CONCRETE COLLAR

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

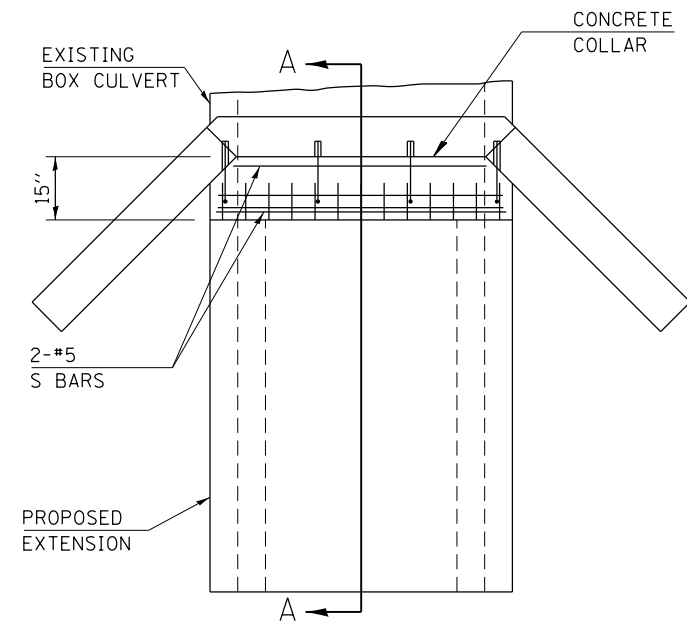
LOADING HL-93

DESIGN STRESSES (PRECAST)
 $f'_c = 5,000 \text{ psi}$
 $f_y = 65,000 \text{ psi}$ (welded wire fabric)
 $f_y = 60,000 \text{ psi}$ (reinforcement)

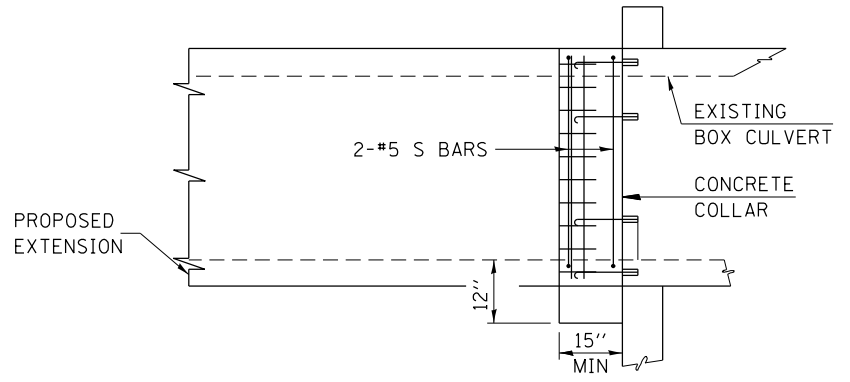
Notes:
 All precast concrete box culvert sections shall conform to the requirements of ASTM C 1577 Specifications.
 Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
 Select granular back fill is not required above the Precast Concrete Box Culvert Extensions.

PRECAST CONCRETE BOX CULVERT - EXTENSION DETAILS

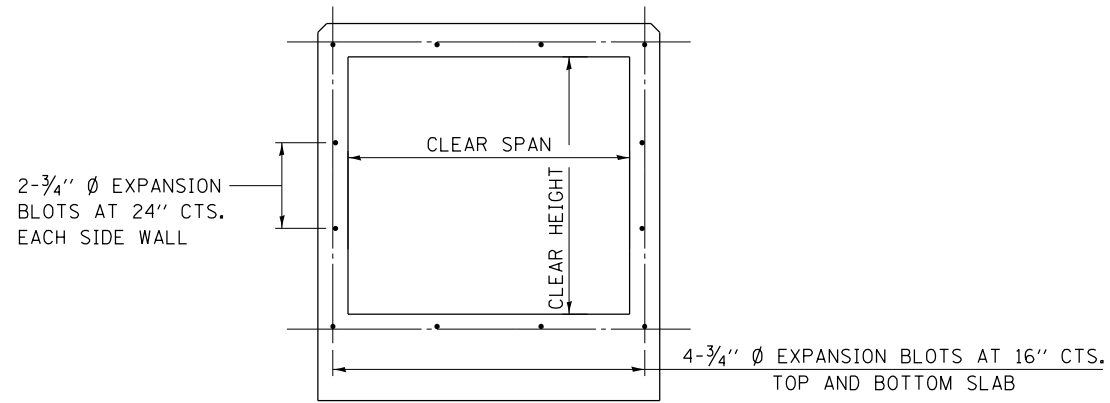
Span	Rise	ASTM Designation	Design Fill Height	THICKNESS (INCHES)			A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	D (FT.-IN.)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	L (FT.-IN.)	SLOPE X : Y
				Tt (top slab)	Tb (bot. slab)	Tw (wall)										
3'	2'	C1577	<2'	7"	6"	4"	3'-8"	3'-1"	4"	6'-0"	3'-0"	3'-0"	1'-0"	1'-0"	5'-0"	1:3
5'	3'	C1577	<2'	8"	7"	6"	6'-0"	4'-3"	6"	6'-0"	2'-0"	4'-0"	1'-8"	1'-4"	6'-0"	1:3
6'	3'	C1577	<2'	8"	7"	7"	7'-2"	4'-3"	7"	6'-0"	2'-0"	4'-0"	1'-8"	1'-4"	3'-0"	1:3



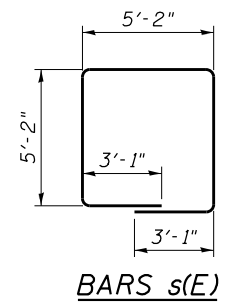
PLAN VIEW
NO SKEW



SECTION A-A



CROSS SECTION THRU BARREL



GENERAL NOTES

1. EXPANSION BOLTS SHALL BE 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW OR EXISTING CONCRETE.
2. EXPANSION BOLTS INSTALLED INTO EXISTING CONCRETE SHALL BE DRILLED AND EPOXY GROUTED A MINIMUM OF 9" DEPTH.
3. REINFORCEMENT BARS SHALL MEET THE REQUIREMENTS OF ARTICLE 1006.10 OF THE STANDARD SPECIFICATIONS.
4. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
5. PRECAST BOX CULVERT BARREL SECTIONS PLACED AS PART OF THE EXTENSION WILL BE IN ACCORDANCE WITH ASTM C 1577
6. CONCRETE COLLARS, REINFORCEMENT BARS, AND EXPANSION BOLTS WILL BE COMPUTED AND INCLUDED IN THE PLAN QUANTITIES FOR THESE PAY ITEMS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
S	2	#5	17'-8"	□
Concrete Collar			Cu. Yd.	0.50
Reinforcement Bars			Pound	40
Expansion Bolts 3/4"			Each	12



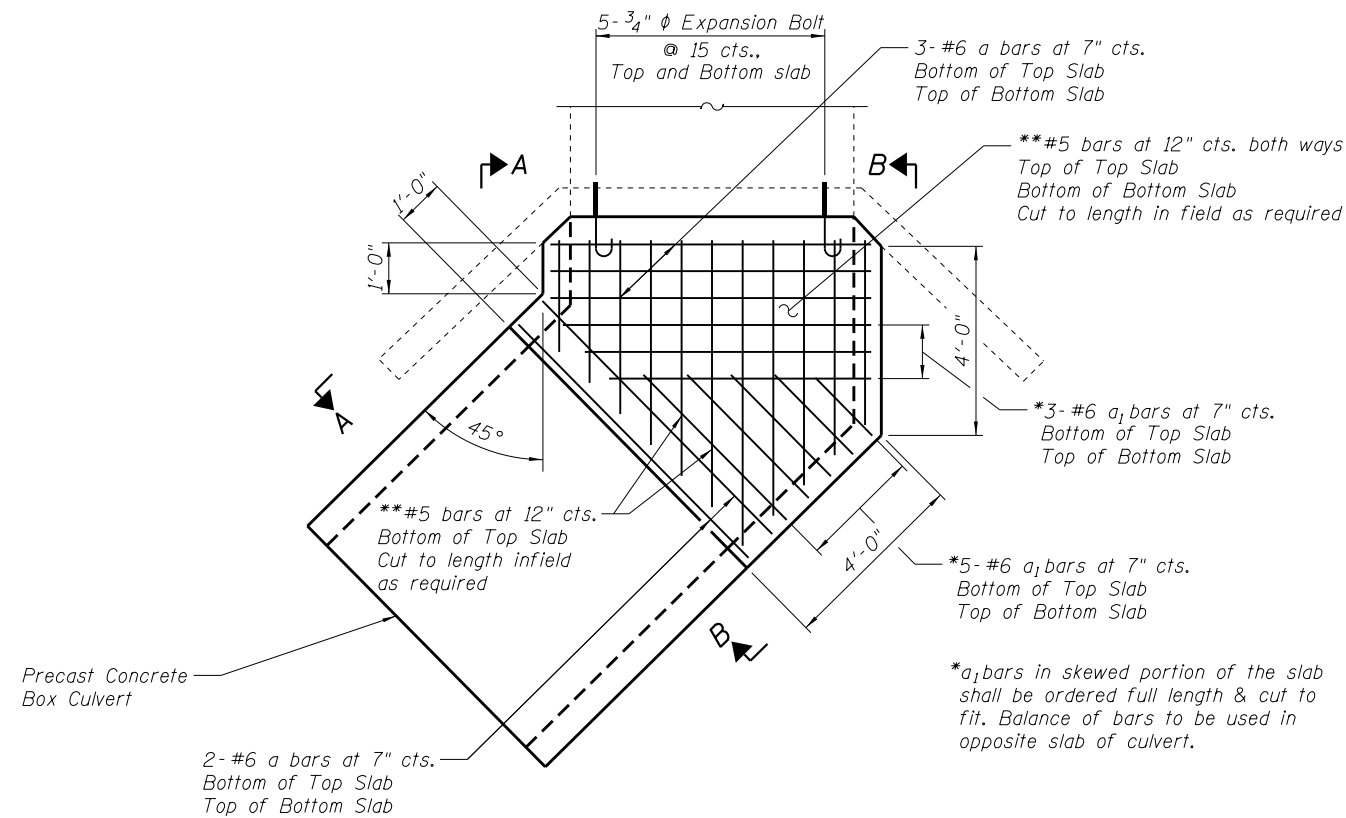
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FILE NAME = 013-2349.2PCBC.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 40.0000' / 1in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 10/22/2015	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

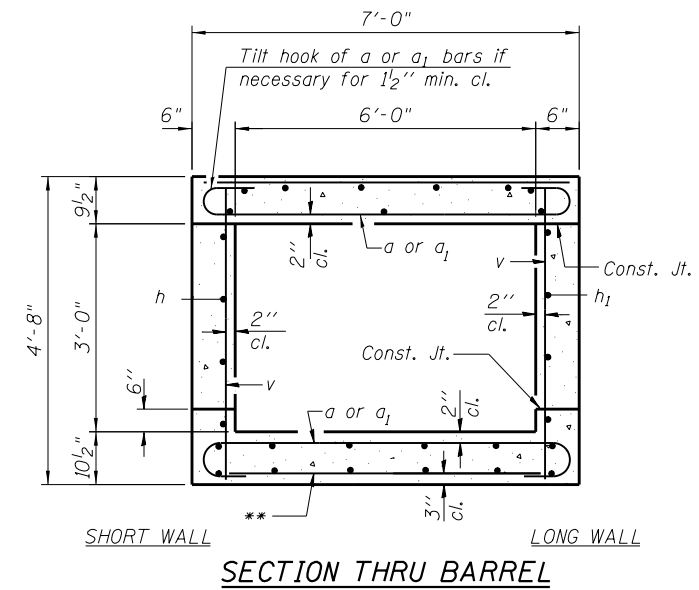
**5' X 3' CONCRETE BOX CULVERT EXTENSION
STA. 59 + 83.00**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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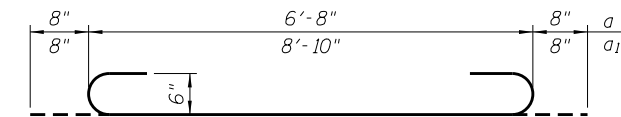
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93770	



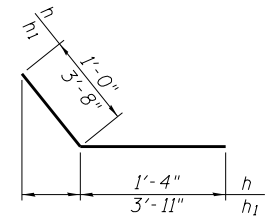
PLAN



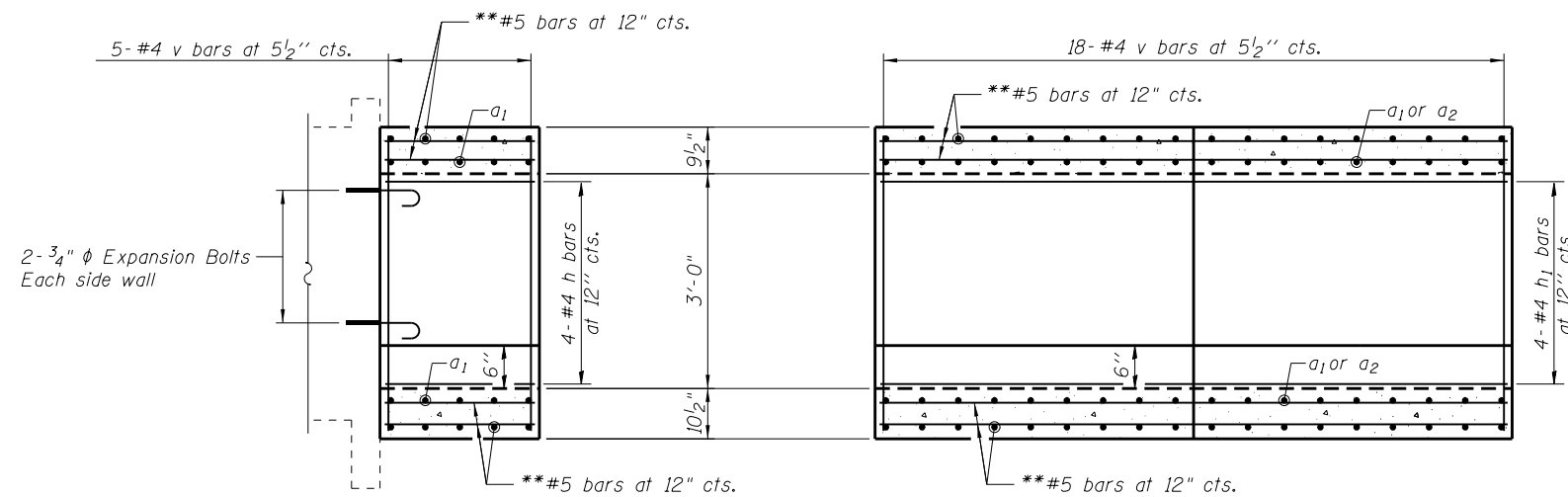
SECTION THRU BARREL



BARS a & a1



BARS h & h1



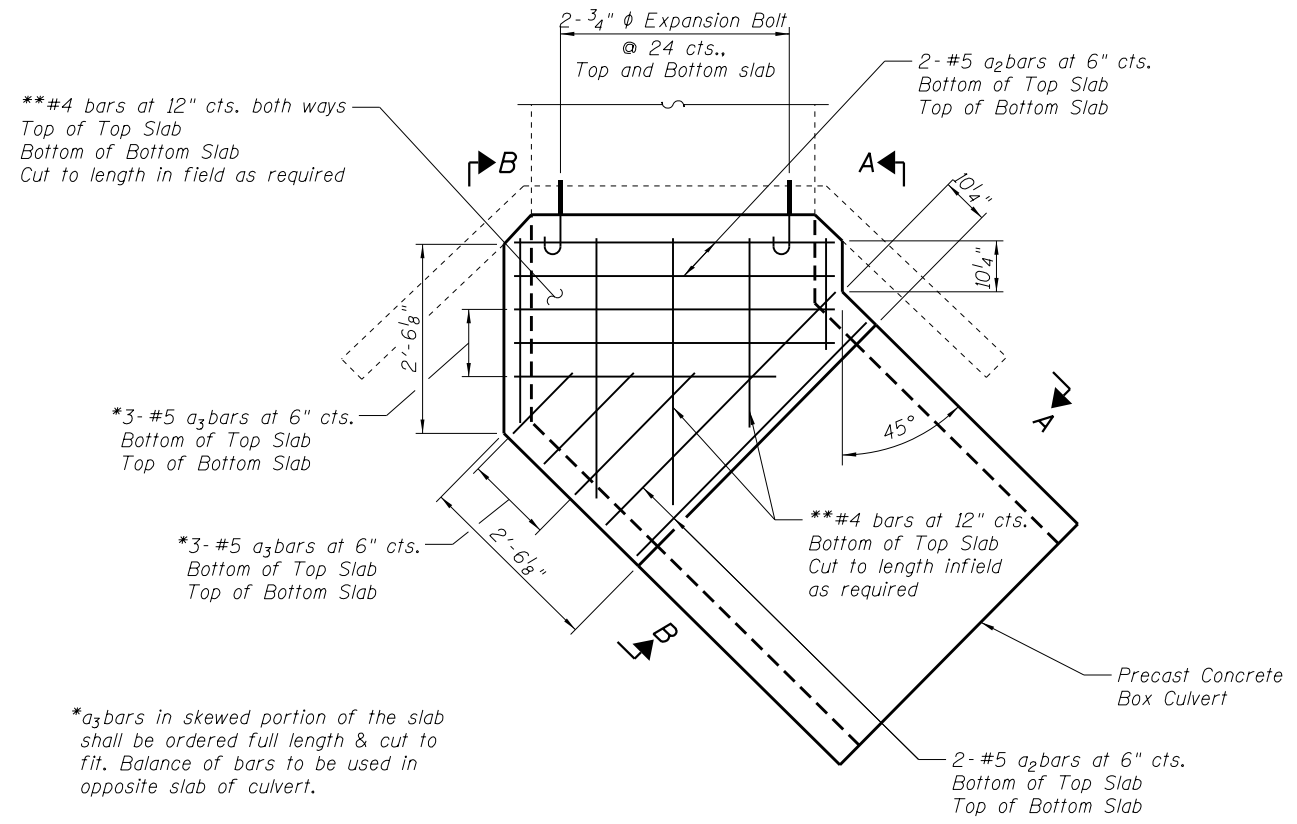
SECTION A-A

SECTION B-B

**Bars not tabulated but weight of bars included in Bill Of Material.

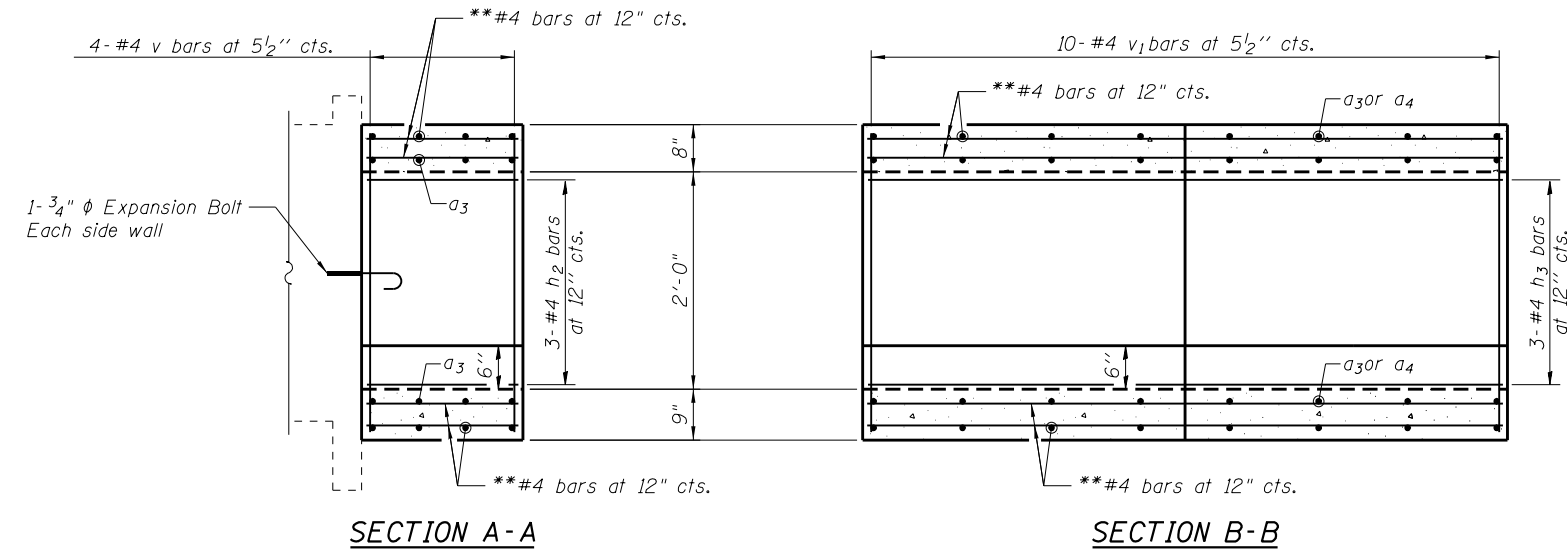
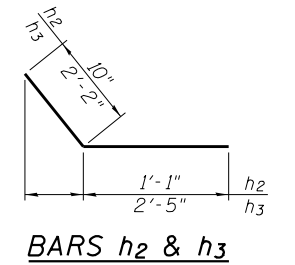
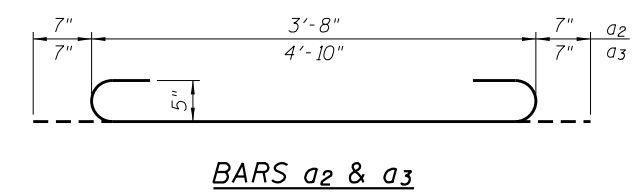
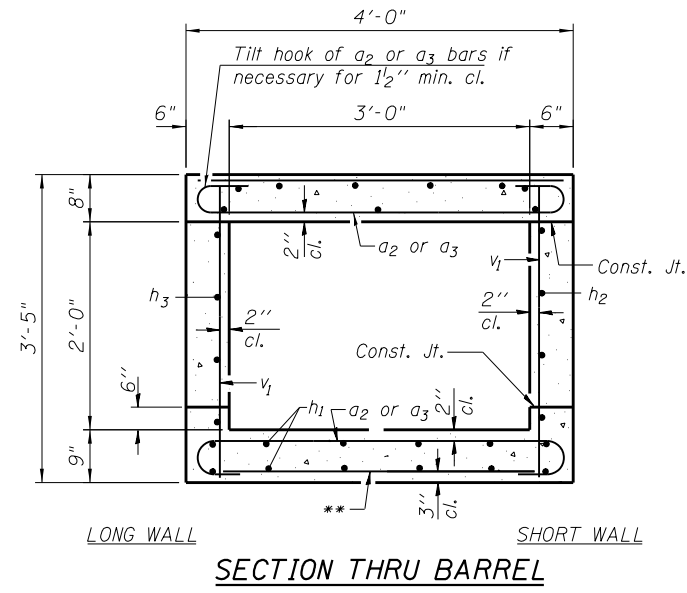
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	10	#6	8'-0"	U
a1	8	#6	10'-2"	U
h	4	#4	2'-4"	L
h1	4	#4	7'-7"	L
v	23	#4	4'-4"	—
Concrete Collar			Cu. Yd.	3.0
Reinforcement Bars			Pound	640
Expansion Bolts 3/4"			Each	14



PLAN

* a_3 bars in skewed portion of the slab shall be ordered full length & cut to fit. Balance of bars to be used in opposite slab of culvert.



**Bars not tabulated but weight of bars included in Bill Of Material.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_2	8	#5	4'-10"	
a_3	6	#5	6'-0"	
h_2	3	#4	1'-11"	
h_3	3	#4	4'-7"	
v_1	14	#4	3'-1"	
Concrete Collar			Cu. Yd.	1.1
Reinforcement Bars			Pound	200
Expansion Bolts 3/4"			Each	6



JOB = 2349
 FILE NAME = 014-Culvert Extensions.dgn
 PLOT SCALE = 8.3333 ' / in.
 PLOT DATE = 3/12/2021

DESIGNED - AAN
 DRAWN - SJS
 CHECKED - MDC
 DATE - 4/20/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

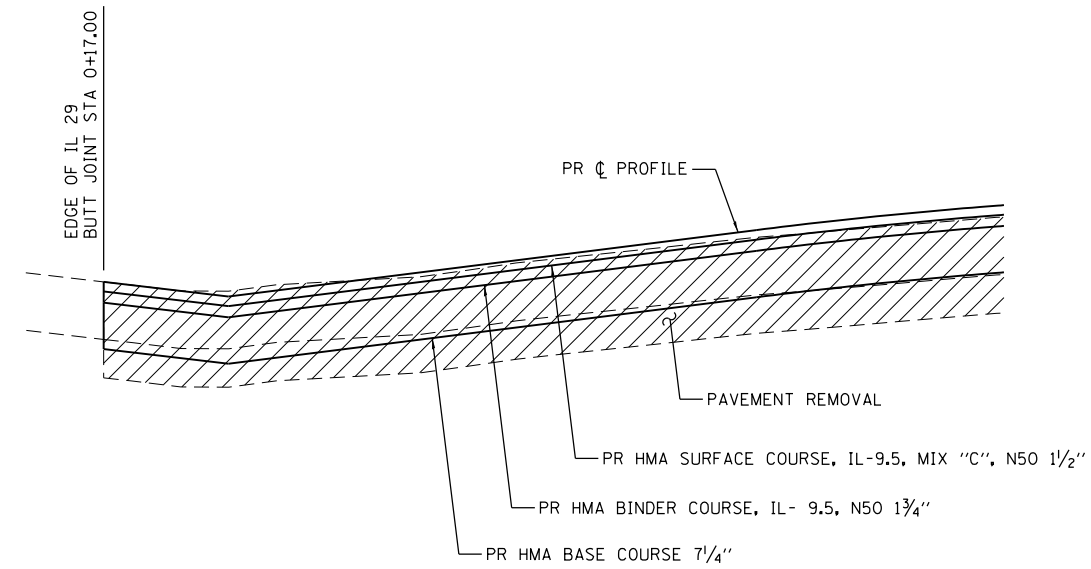
CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS

3' X 2' CONCRETE BOX CULVERT EXTENSION
 STA. 33 + 29.95

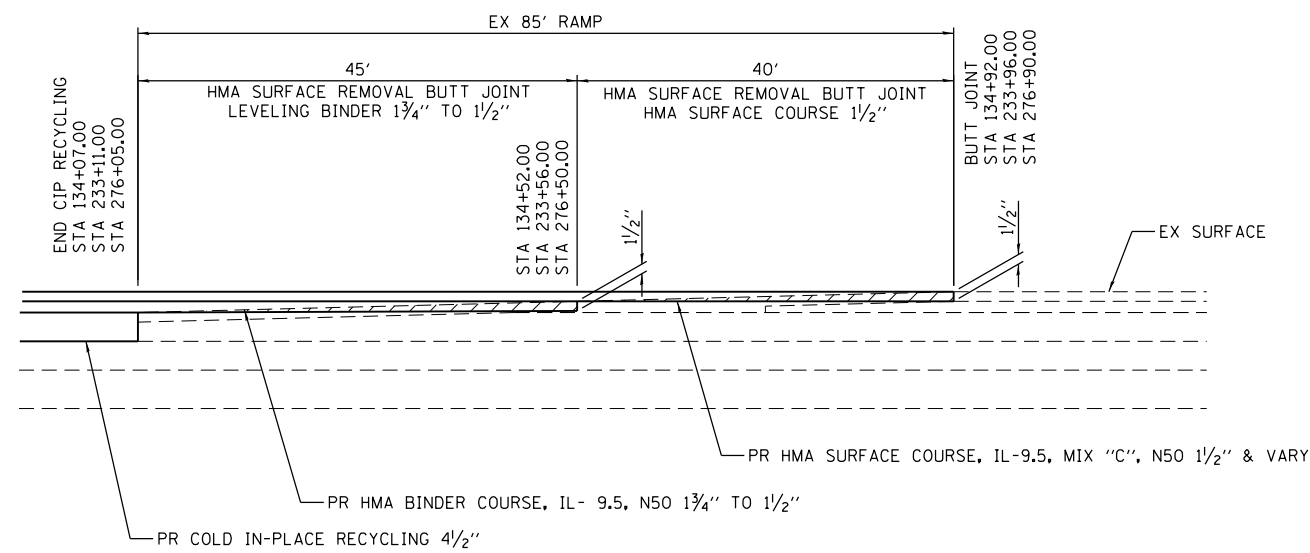
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

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

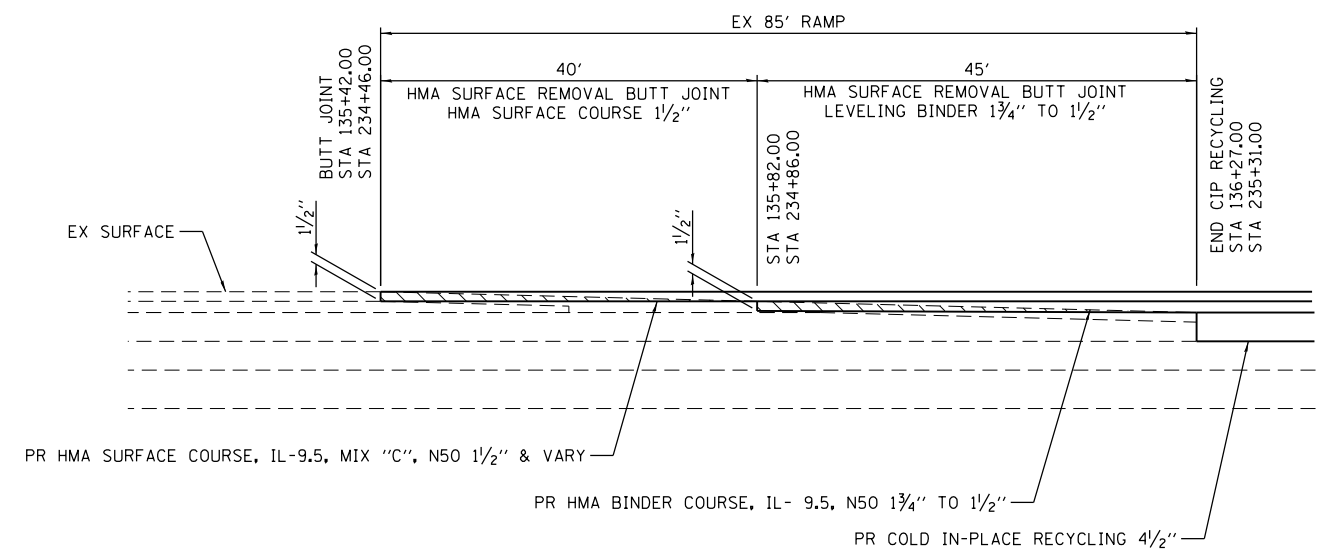
CONTRACT NO. 93770



BUTT JOINT DETAIL



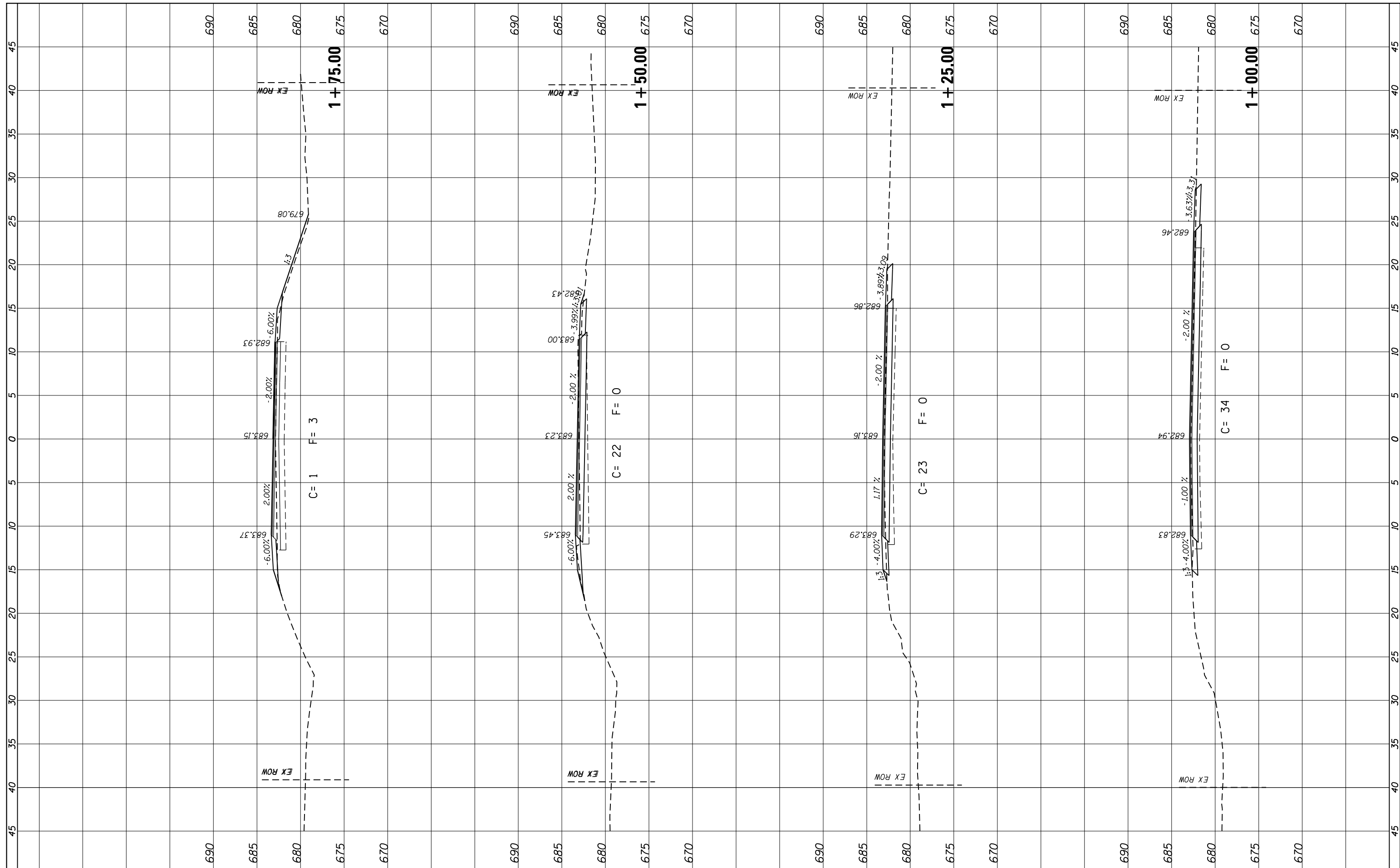
BUTT JOINT DETAIL #1



BUTT JOINT DETAIL #2

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NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

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



JOB = 2349
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 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

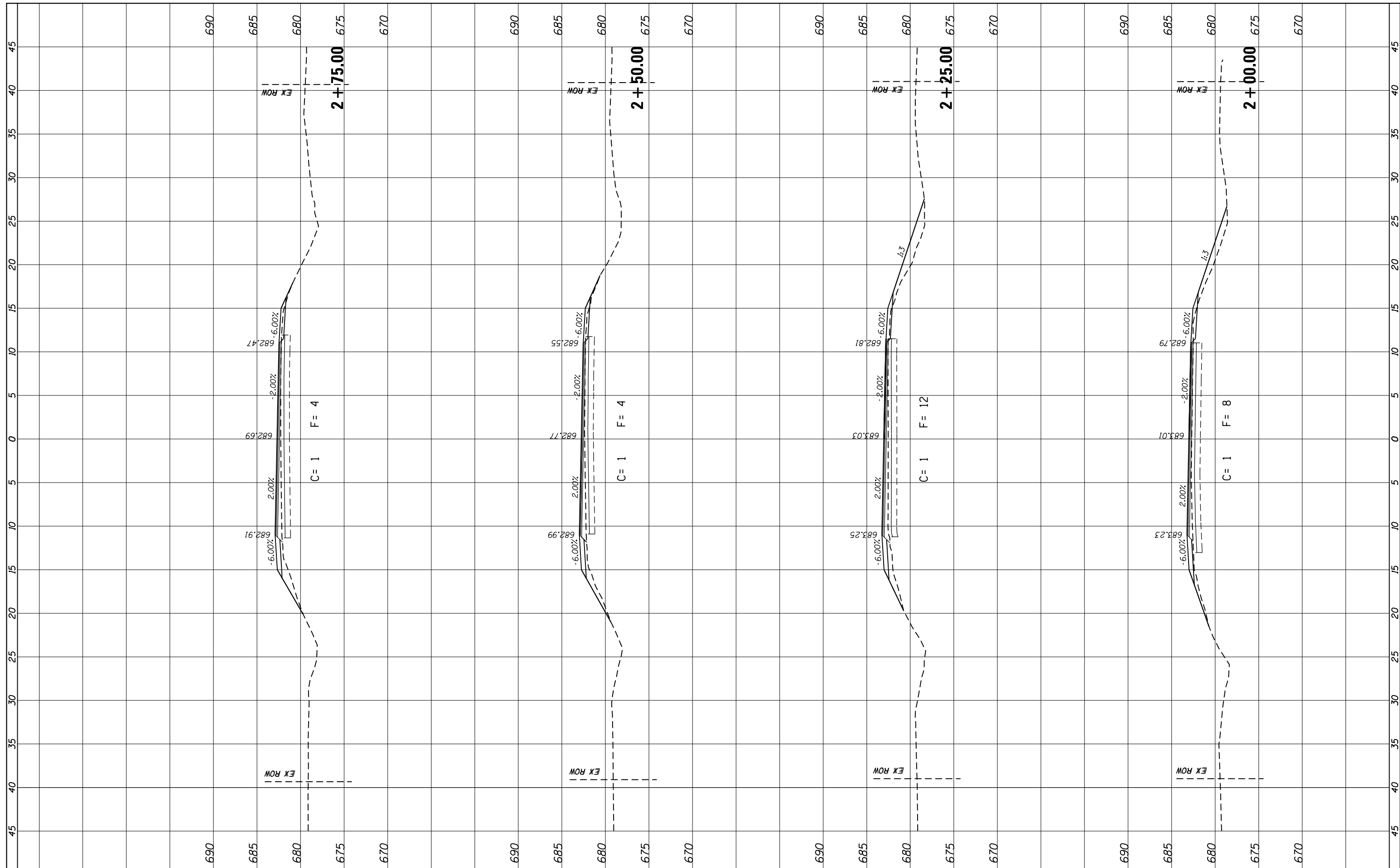
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1+00.00 TO STA. 1+75.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 29
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 93770		

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

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



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

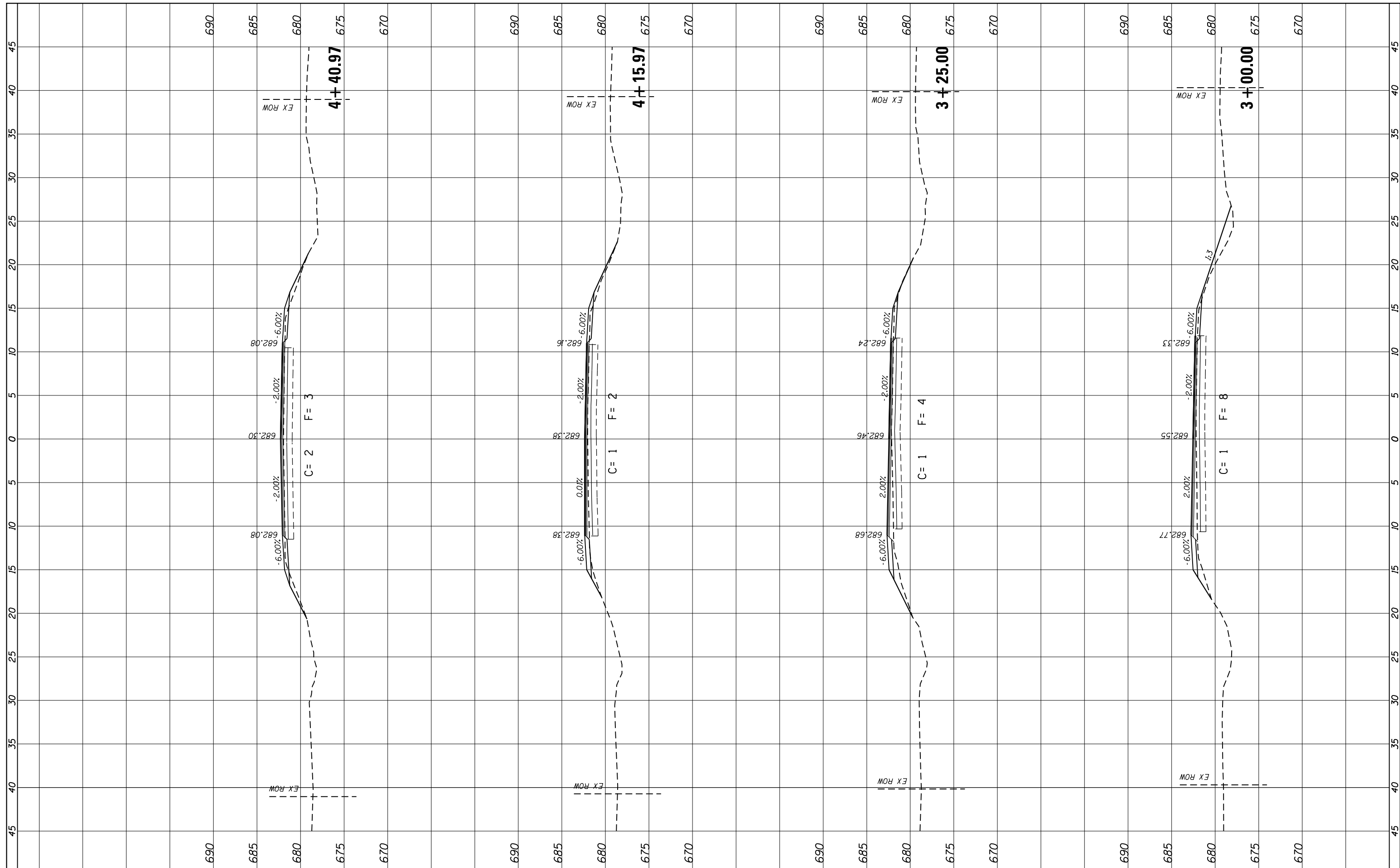
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2+00.00 TO STA. 2+75.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 30
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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 PLOT DATE = 3/12/2021

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 DATE - 9/30/2016

REVISED -
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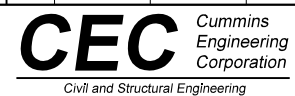
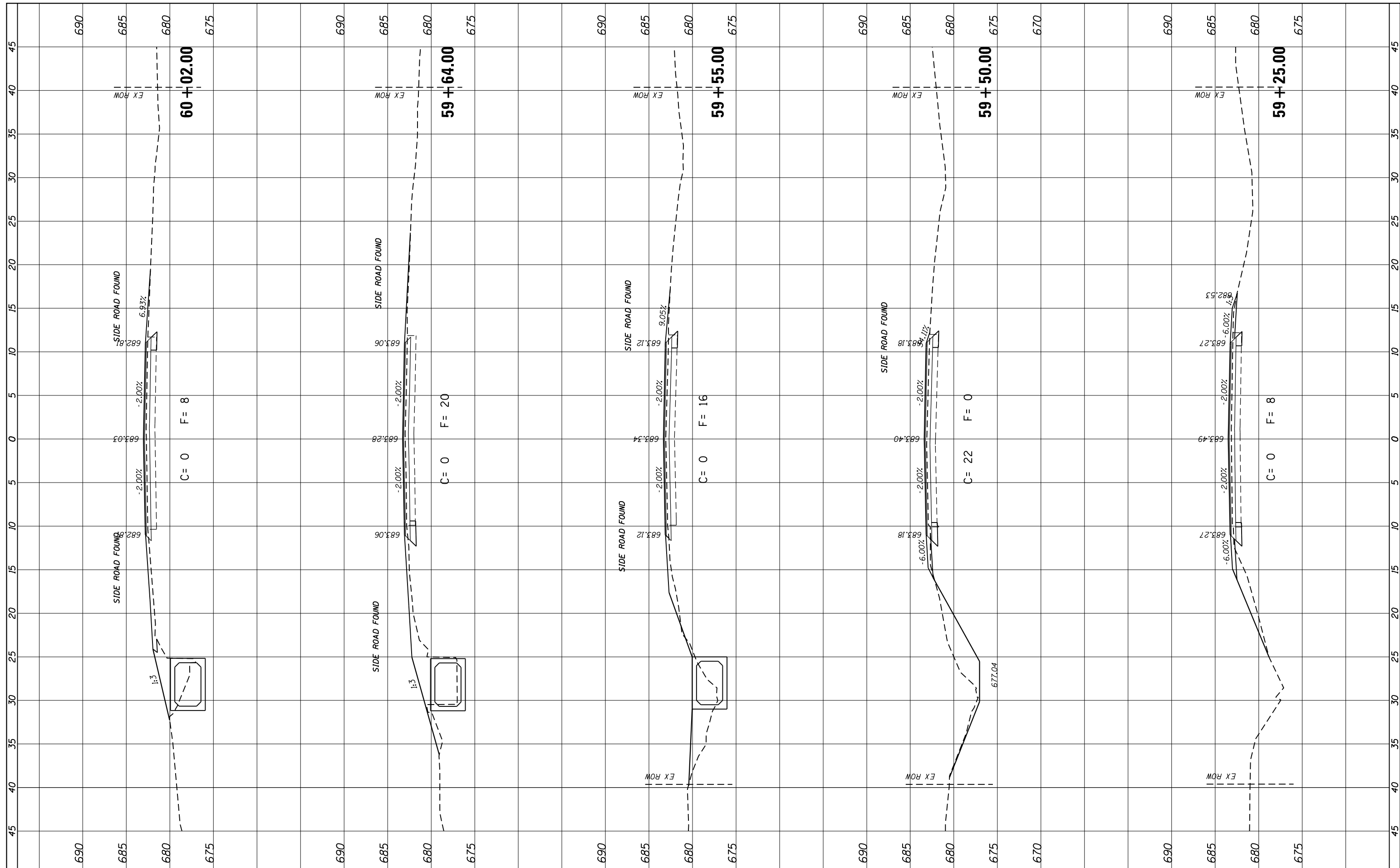
**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 3+00.00 TO STA. 4+40.97

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93770		

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



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
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**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

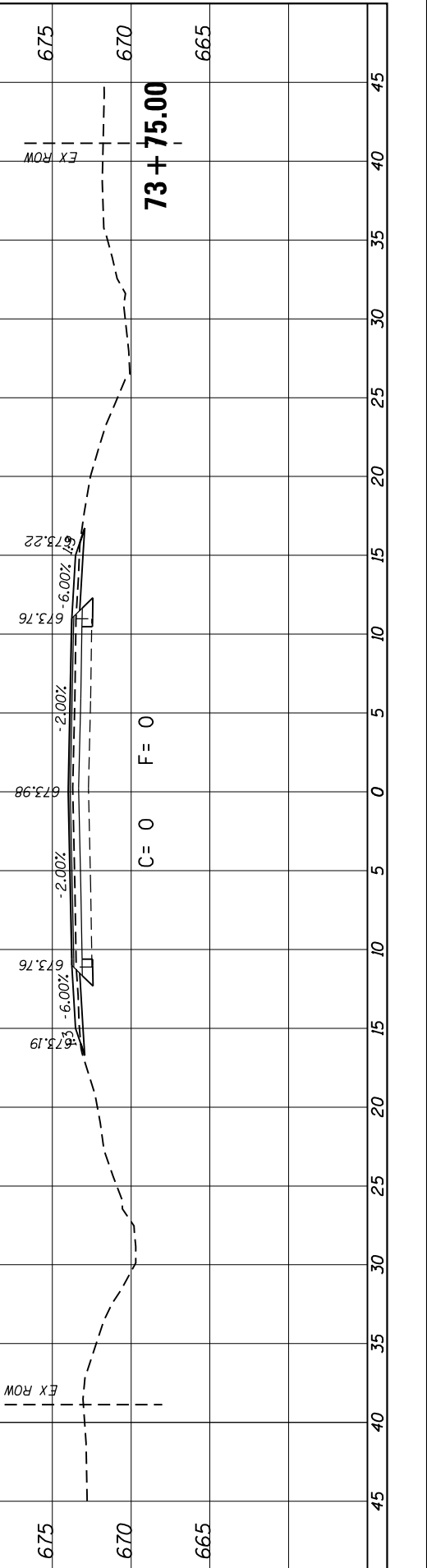
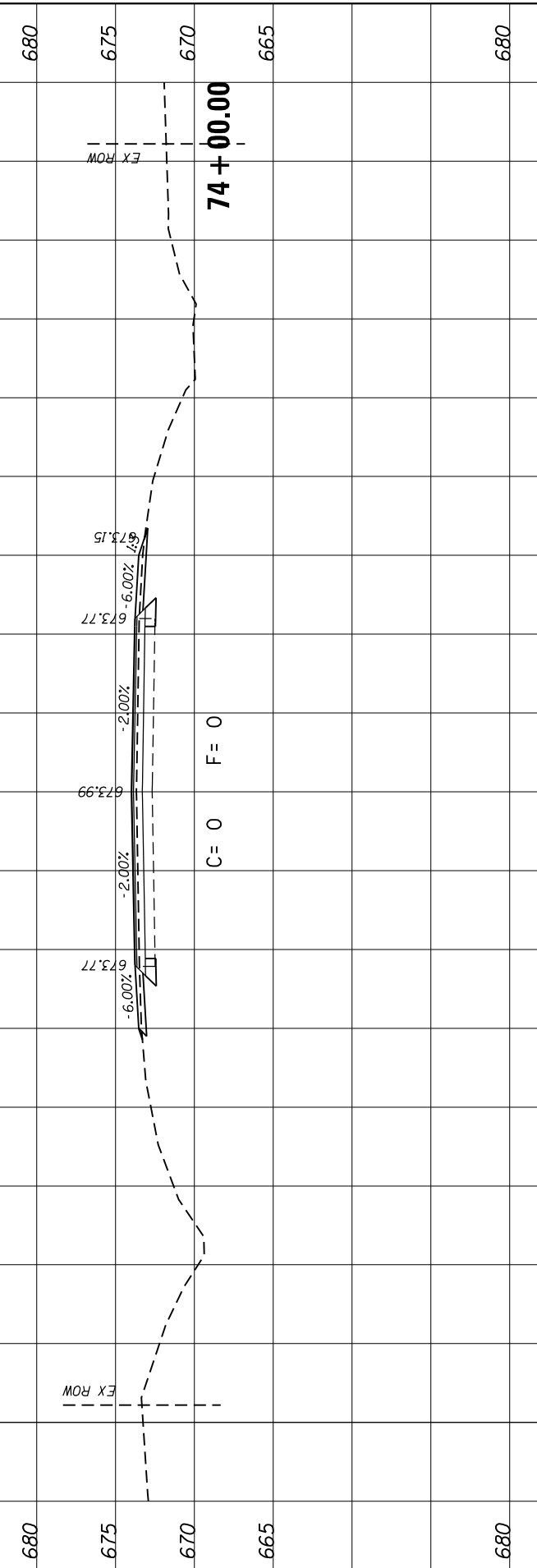
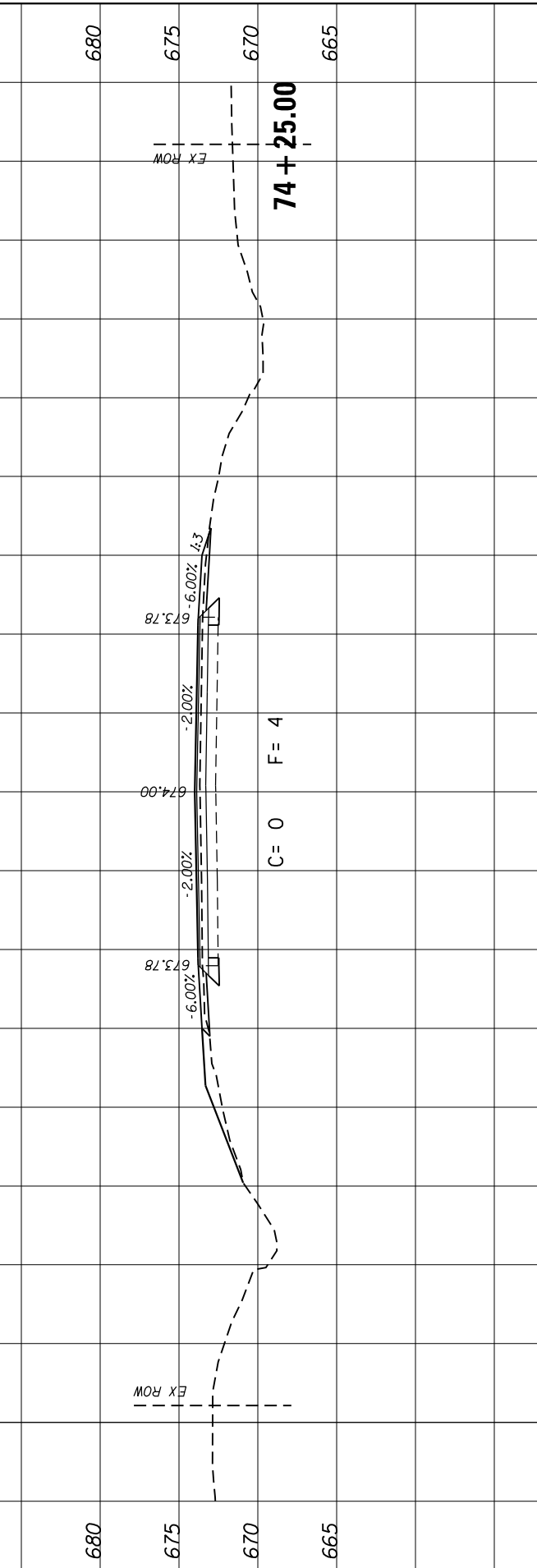
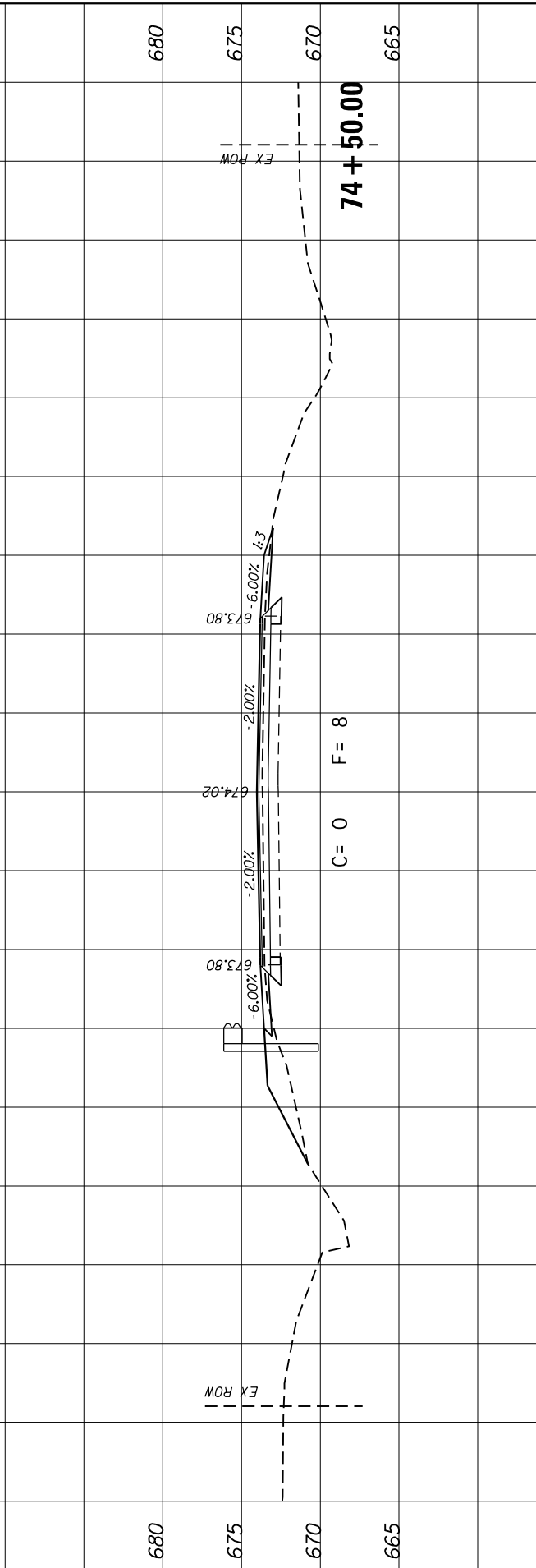
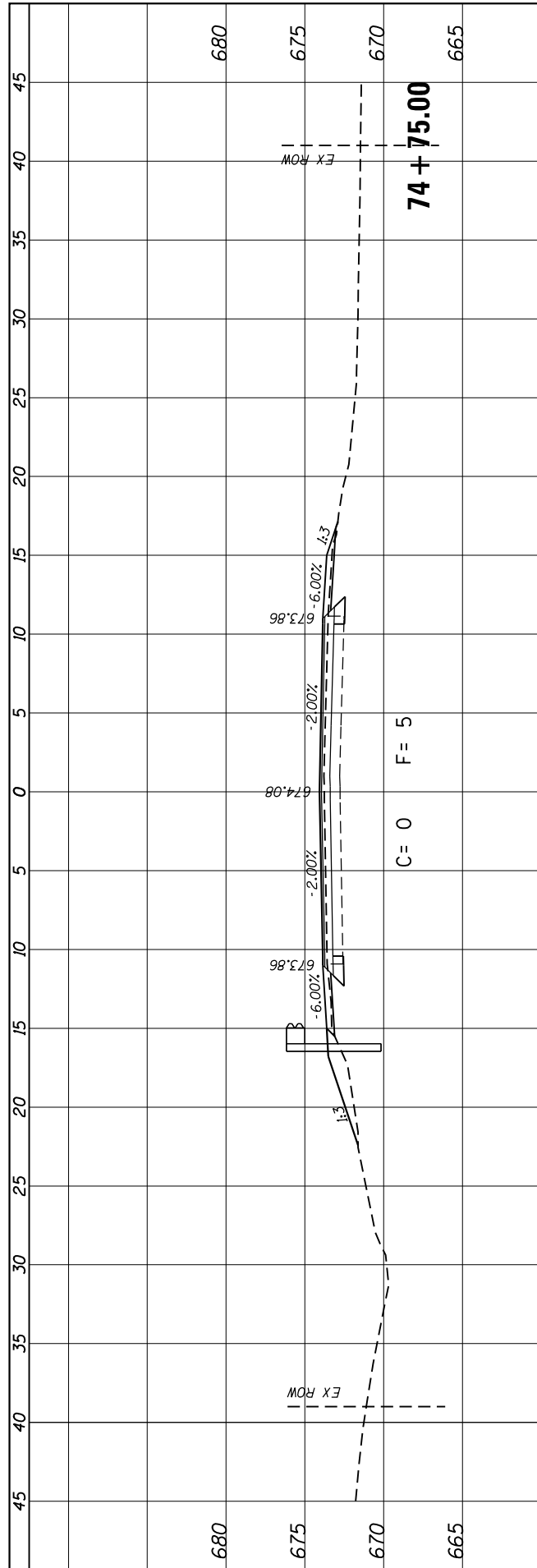
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 59+25.19 TO STA. 60+02.19

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			93770	

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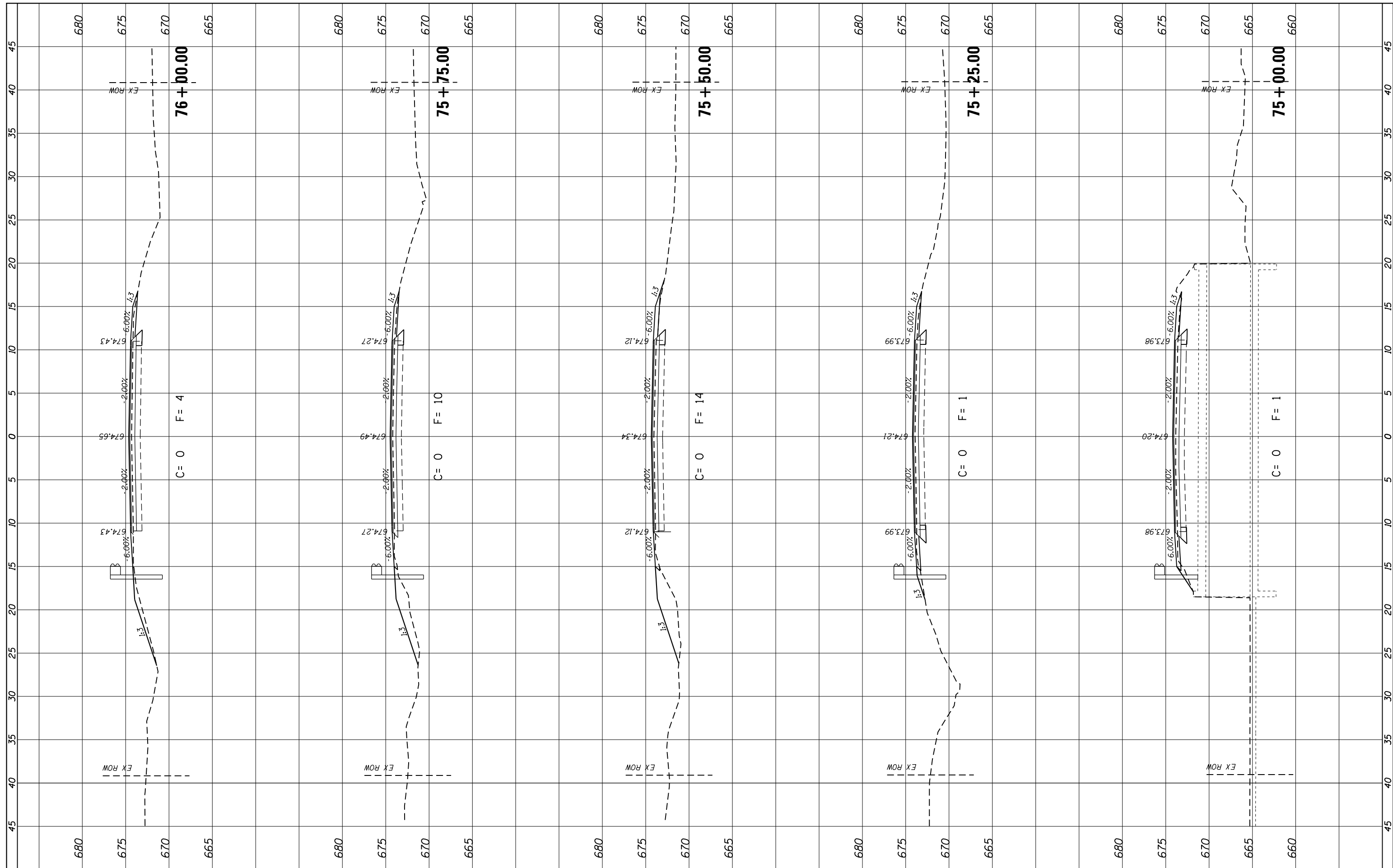


**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

CROSS SECTIONS

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

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



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 PLOT SCALE = 10.0000' / 1" = 100
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
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 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

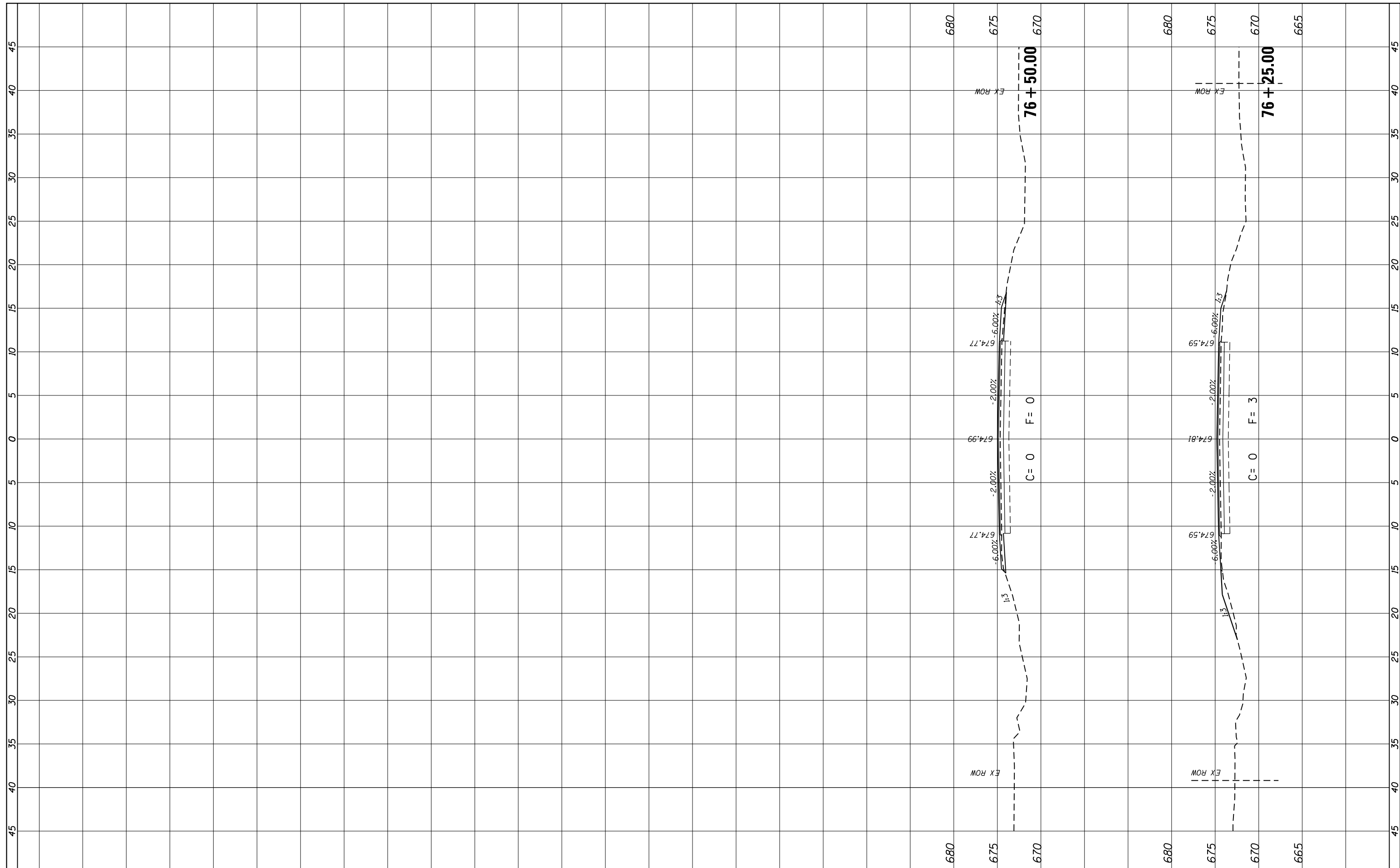
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 75+00.00 TO STA. 76+00.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 34
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

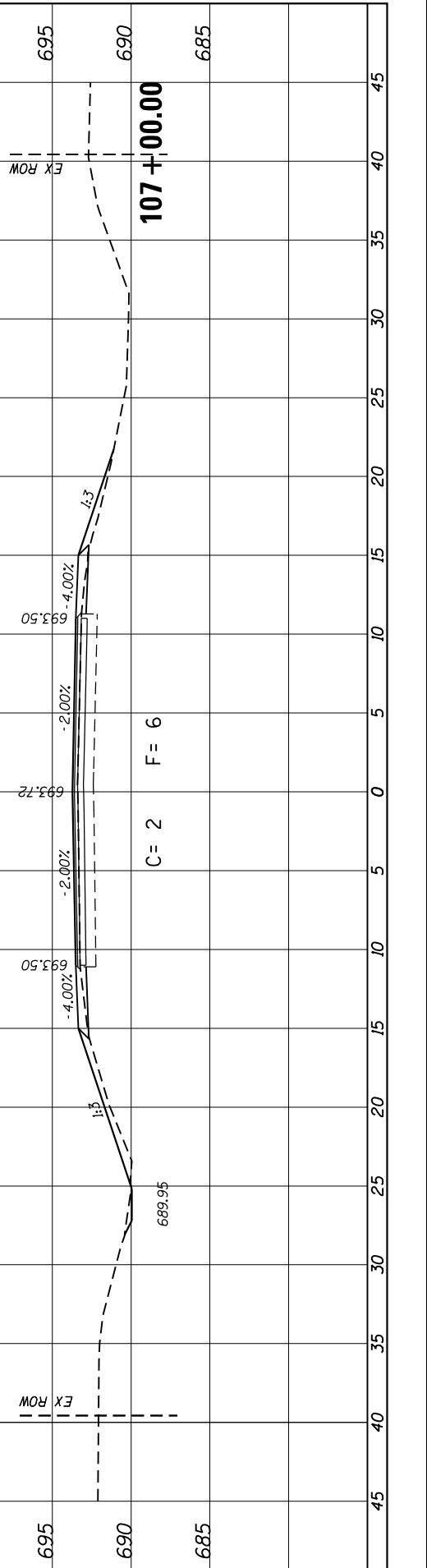
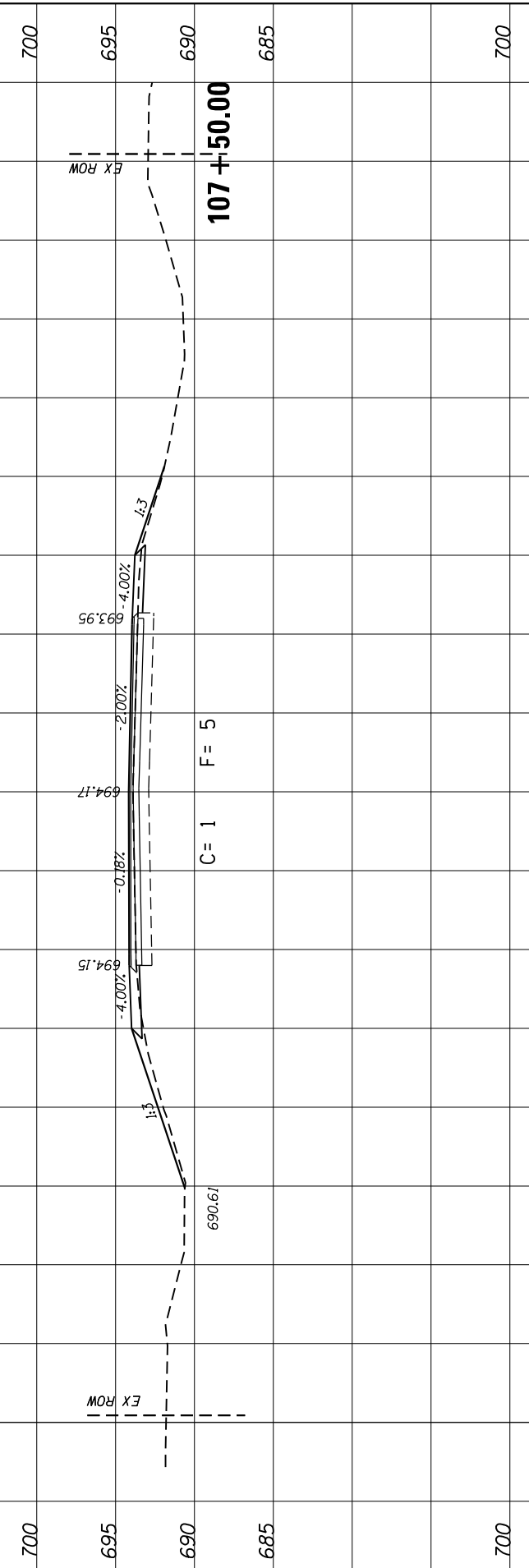
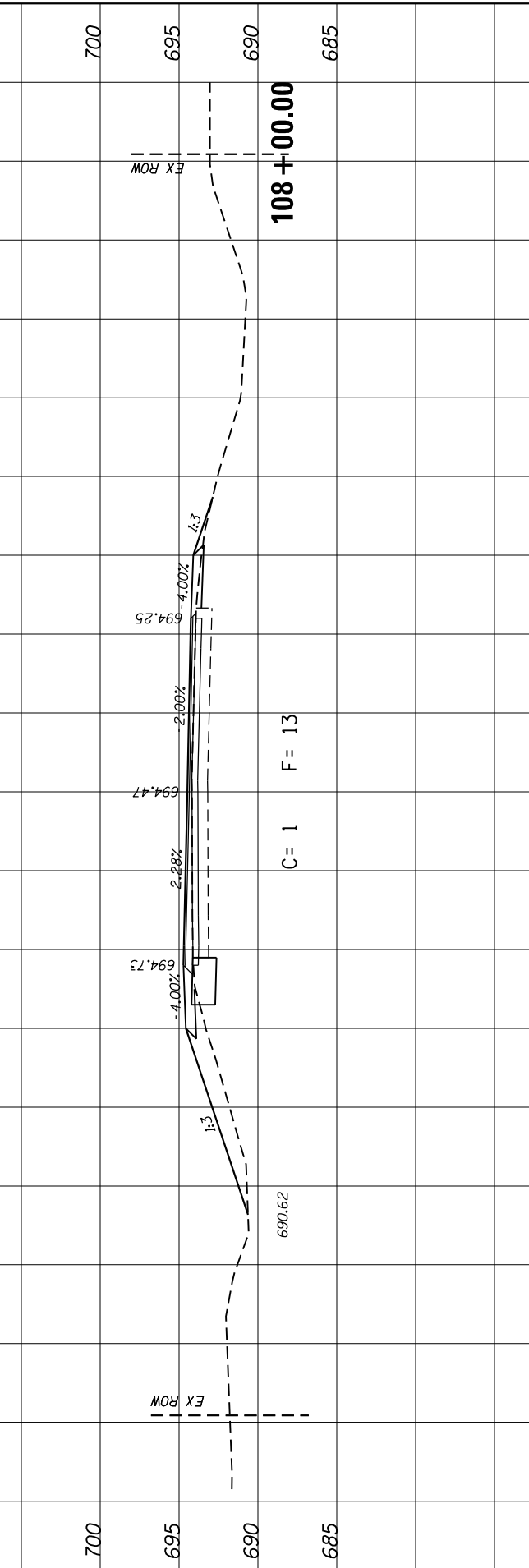
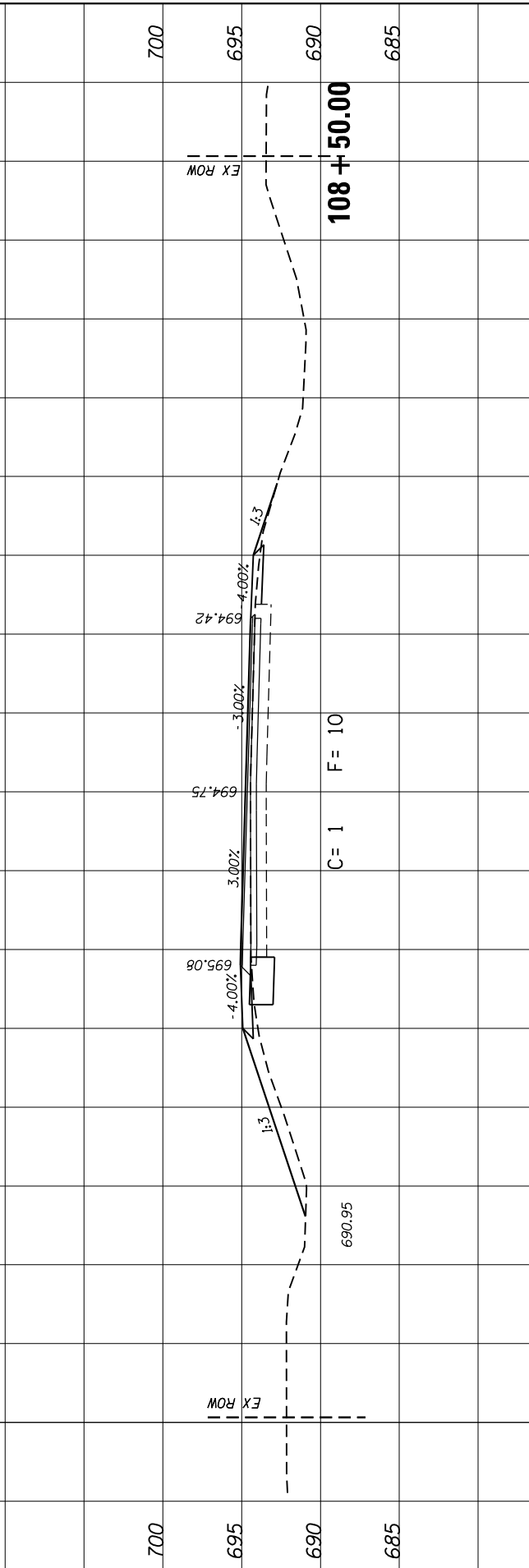
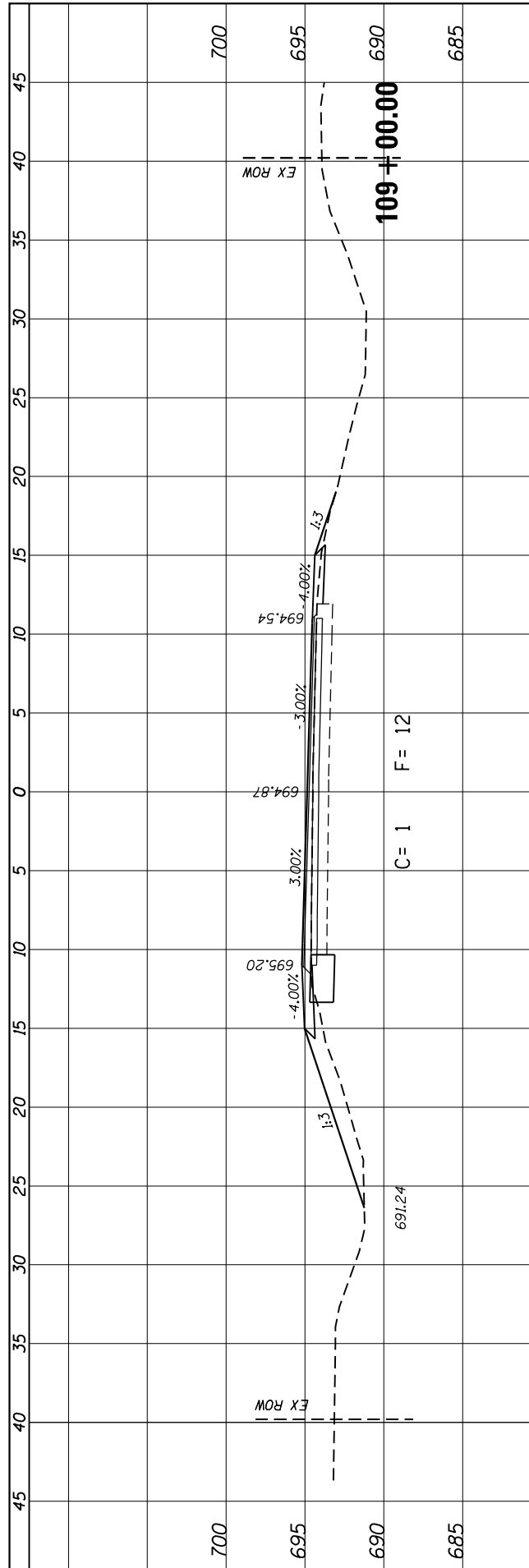
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 76+25.00	TO STA. 76+50.00
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 35
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349
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DESIGNED - NAK
 DRAWN - SJS
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 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

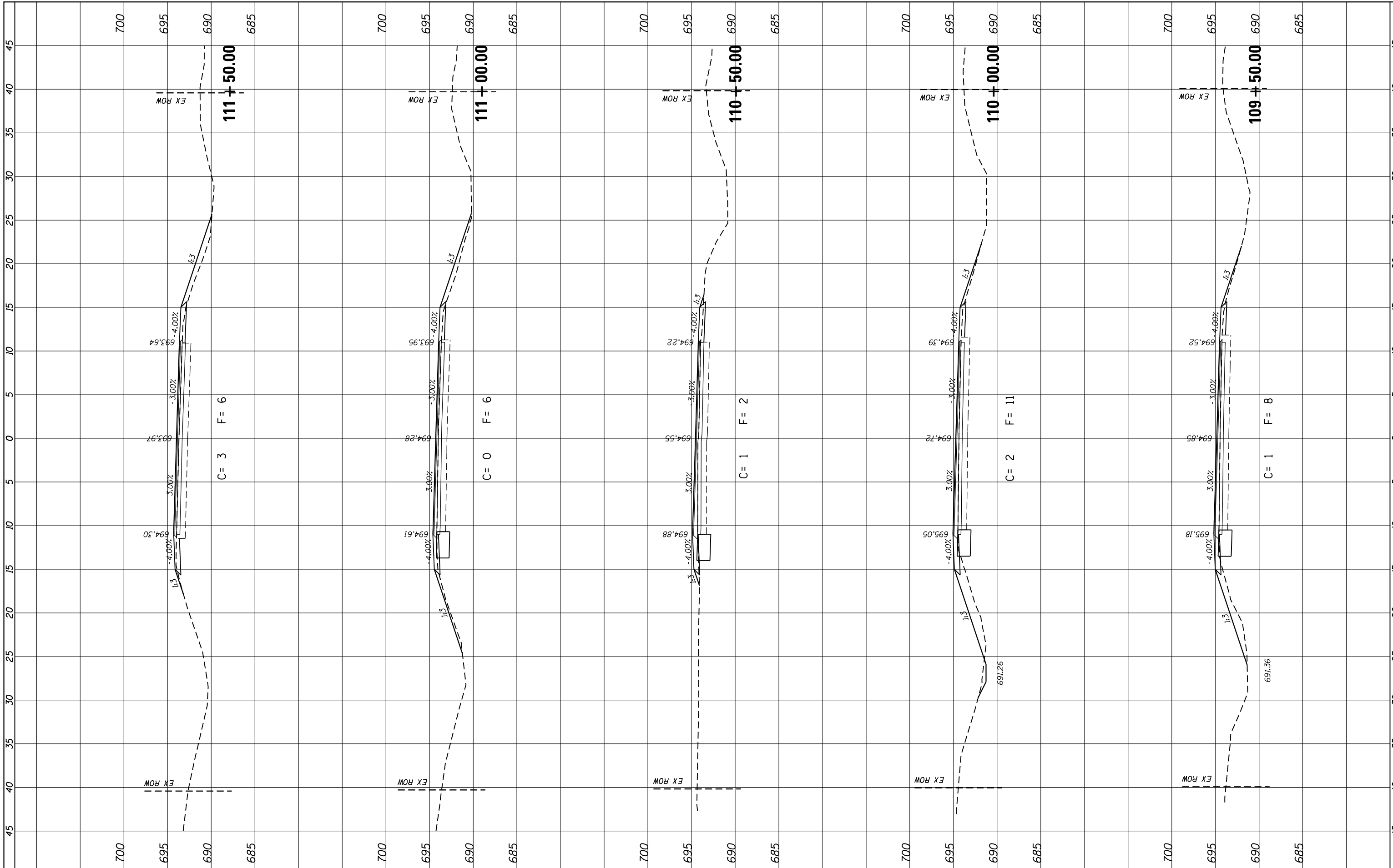
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 107+00.00 TO STA. 109+00.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 36
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 93770				

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



JOB = 2349
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 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

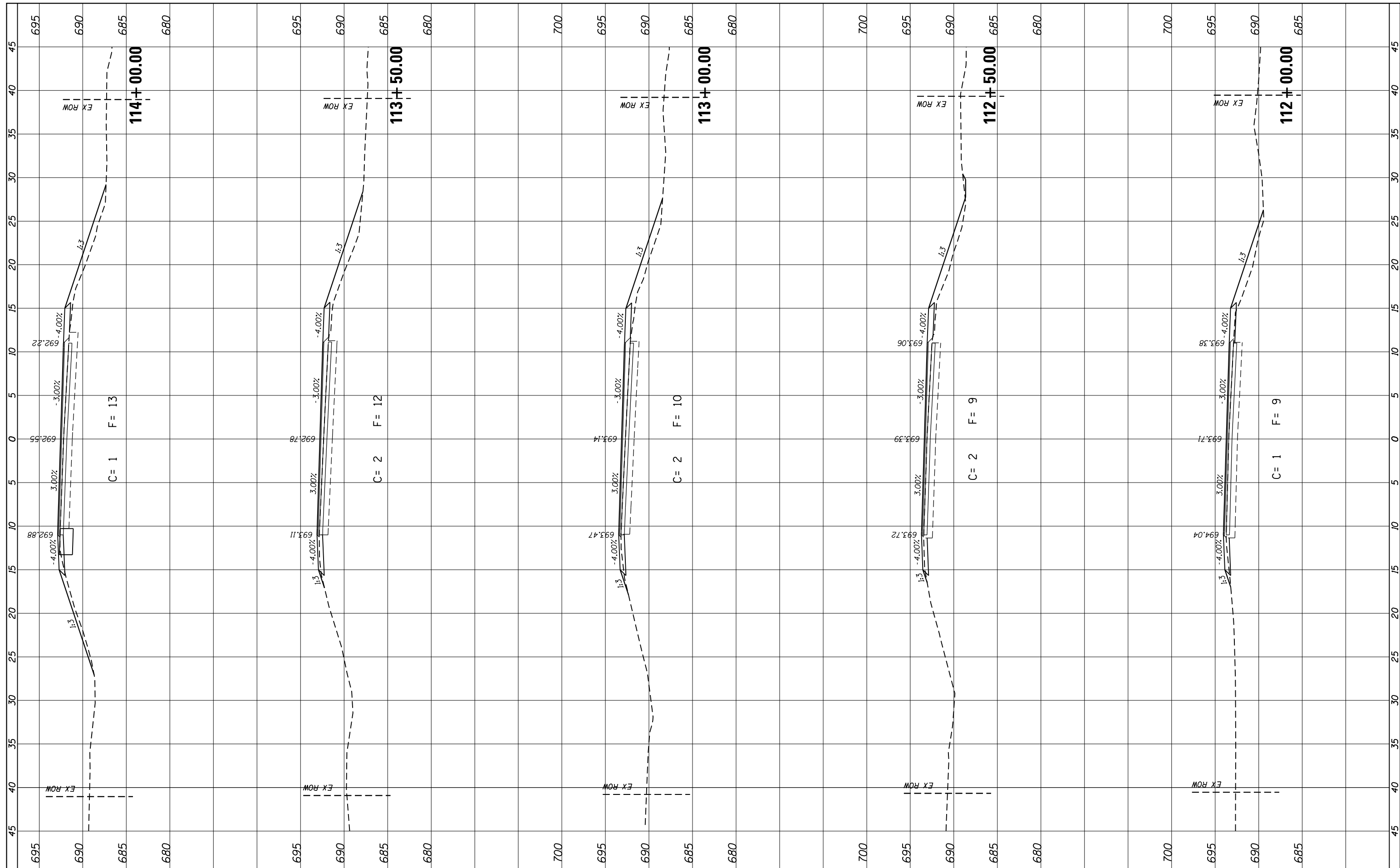
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 109+50.00 TO STA. 111+50.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 37
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 016-2349-sht-xsec.p2,dgn
PLOT SCALE = 10.0000' / in.
PLOT DATE = 3/12/2021

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 9/30/2016

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

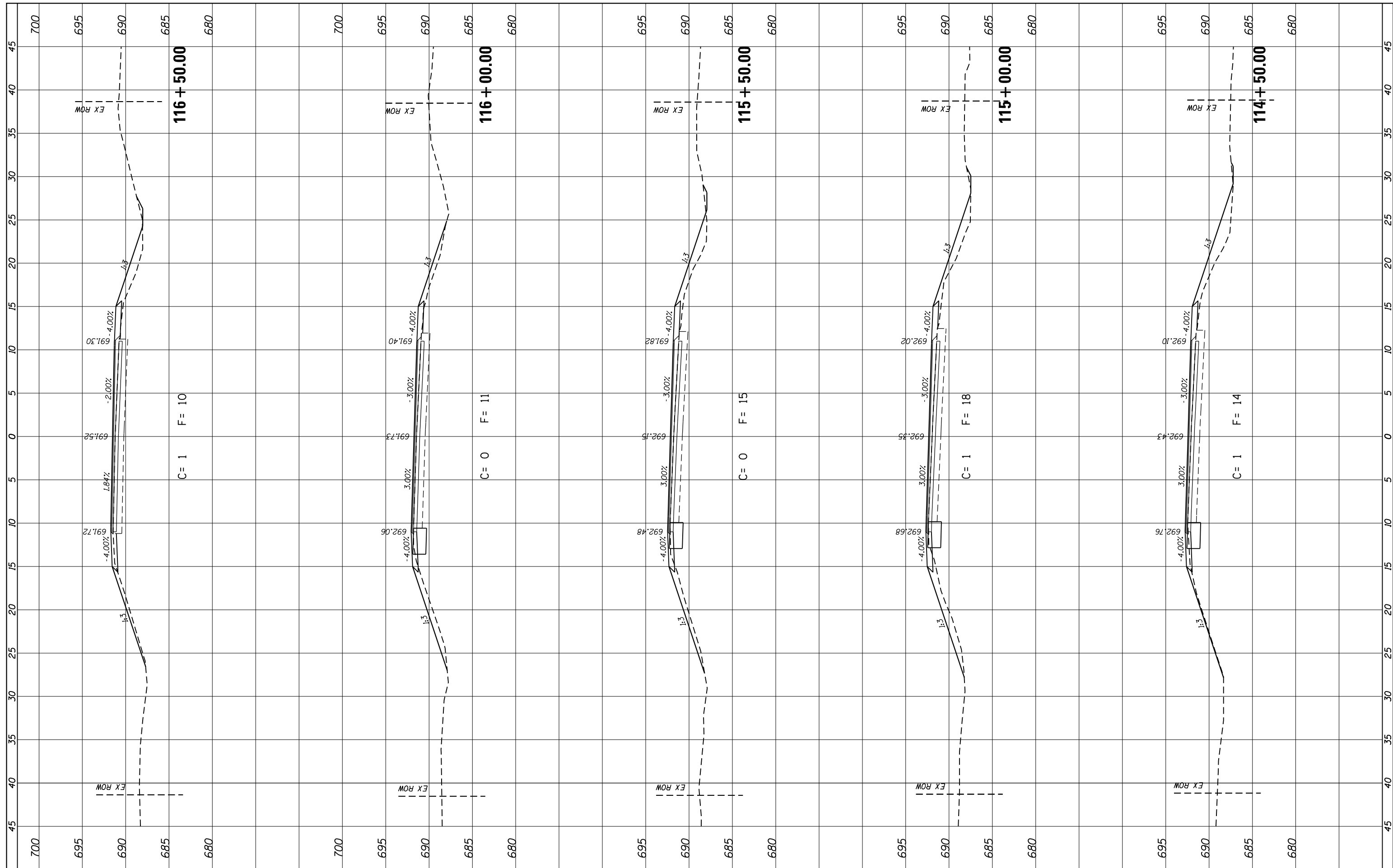
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 112+00.00 TO STA. 114+00.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 38
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

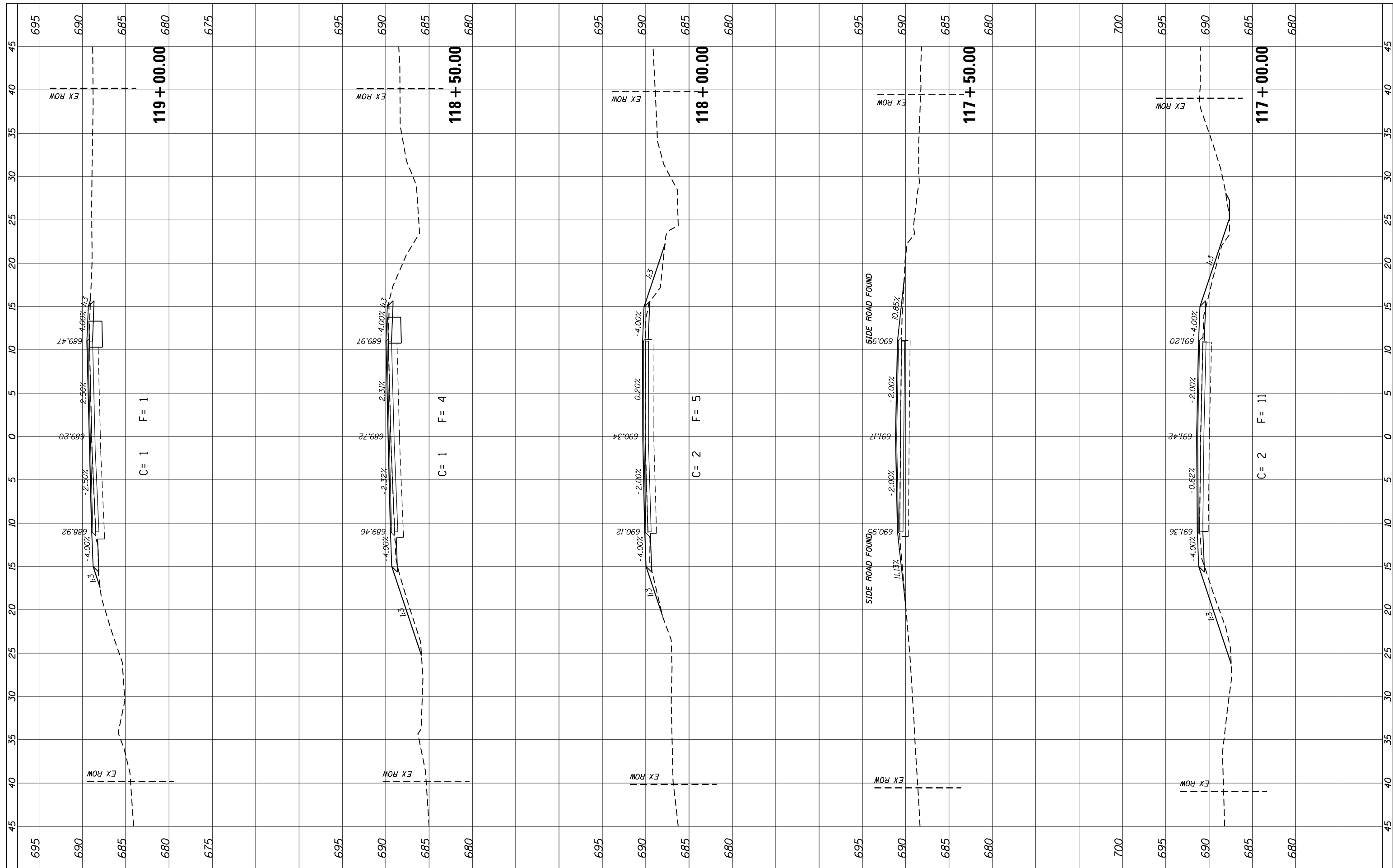
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 114+50.00 TO STA. 116+50.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 39
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



JOB = 2349
 FILE NAME = 016-2349-shr-xsec.p2,dgn
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

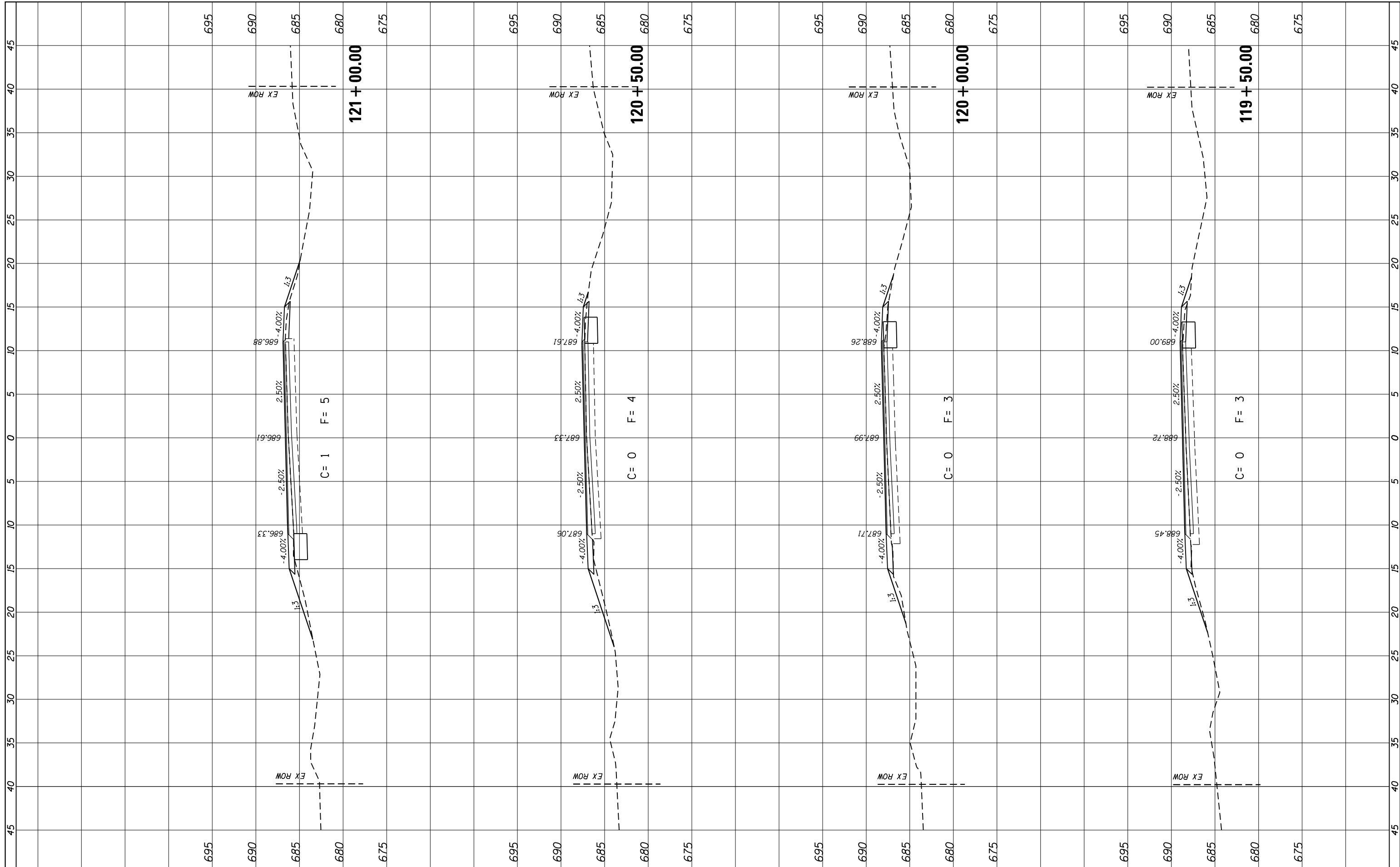
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 117+00.00 TO STA. 119+00.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 40
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

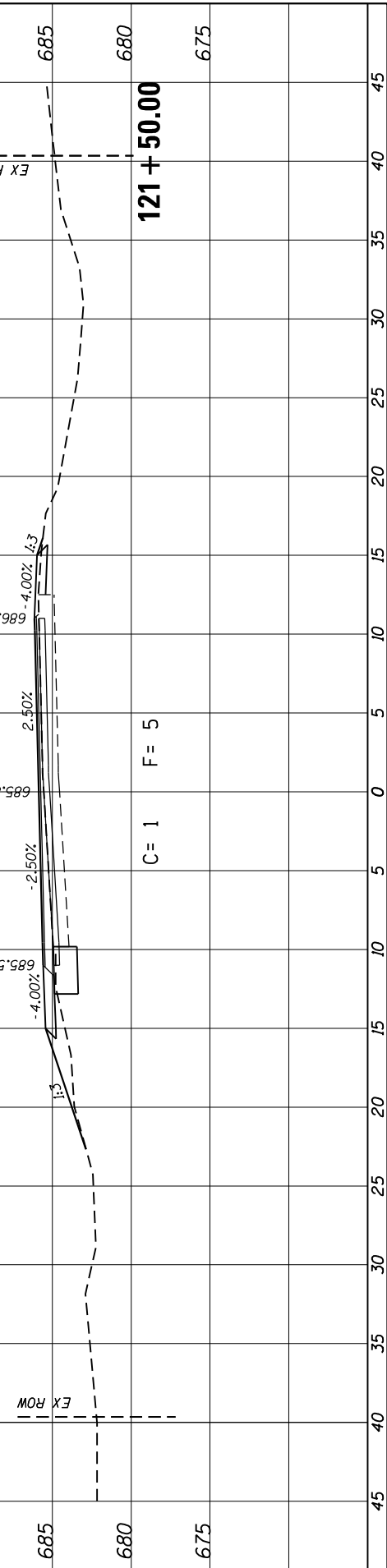
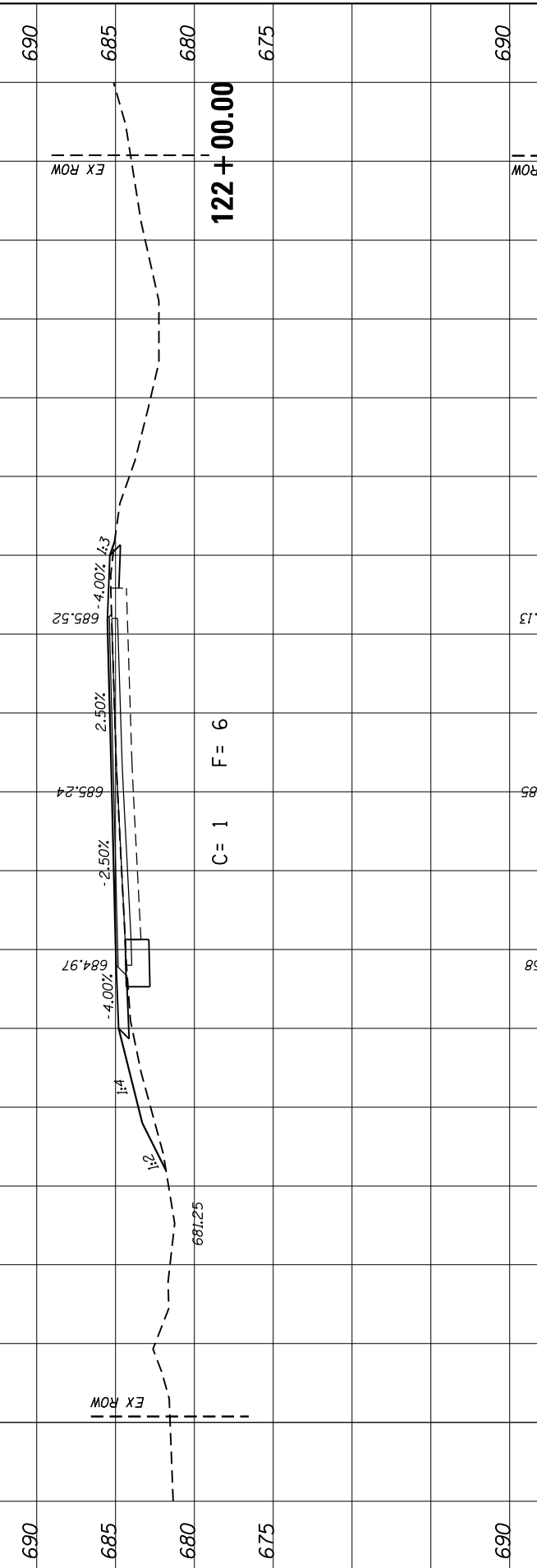
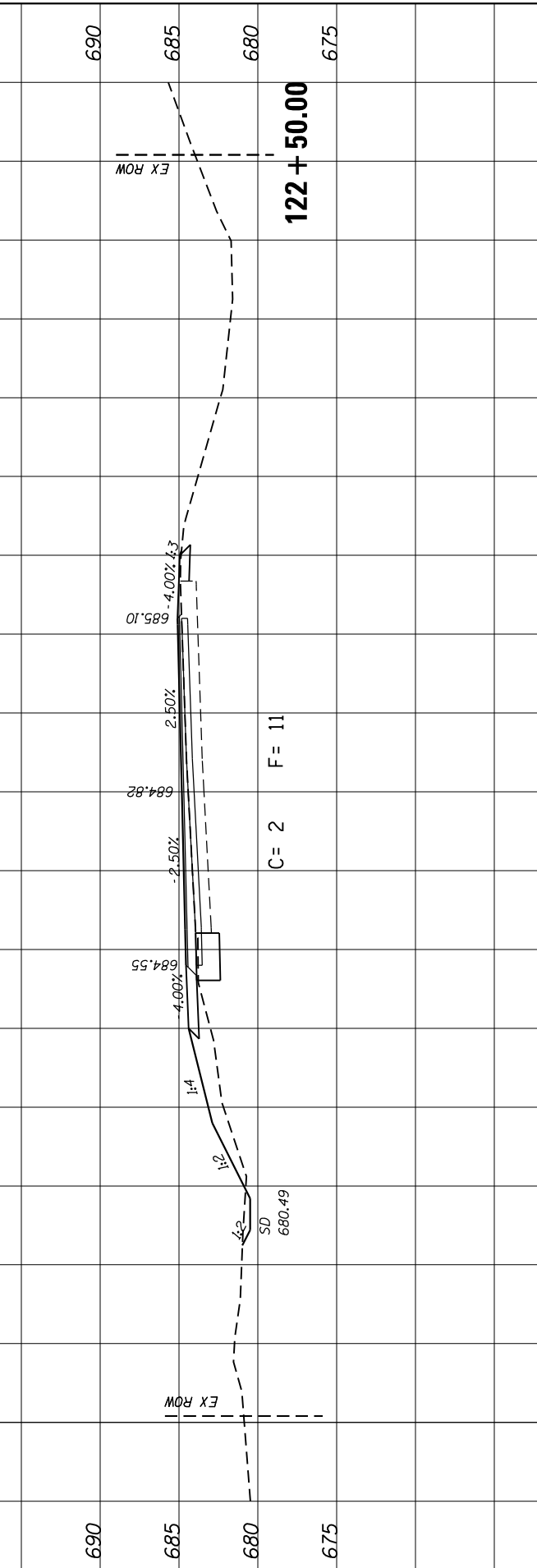
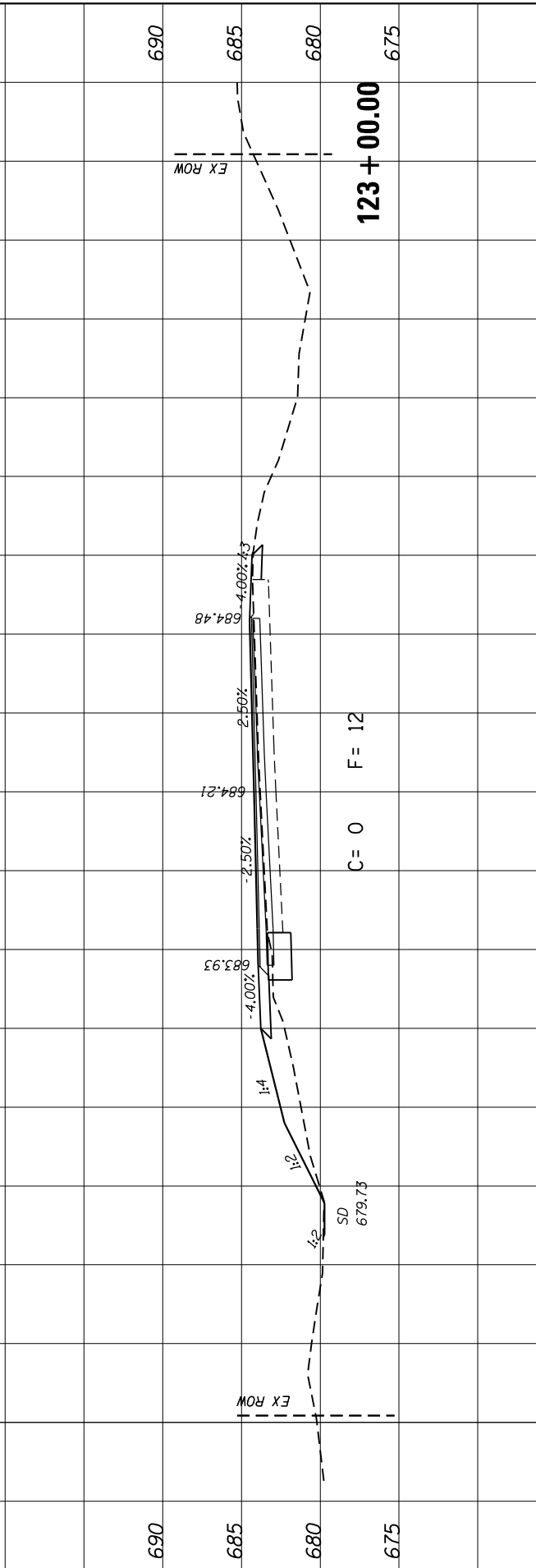
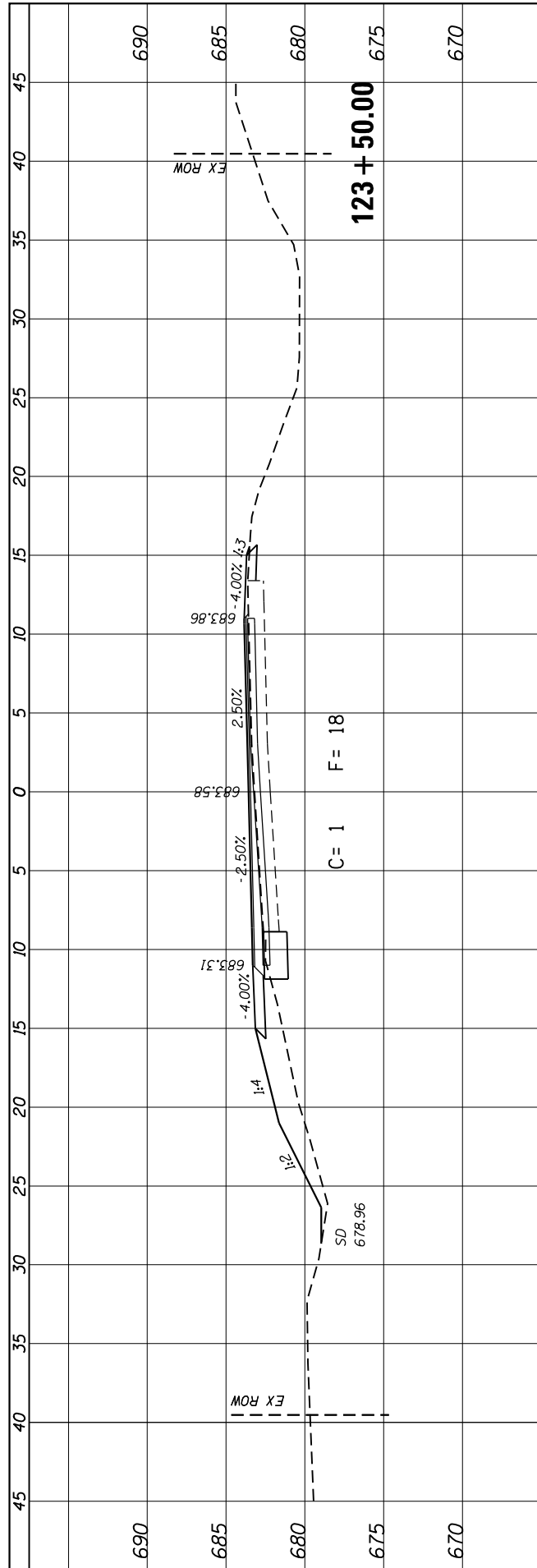
**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 119+50.00 TO STA. 121+00.00

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 41
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10.0000' / 1" = 1000
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

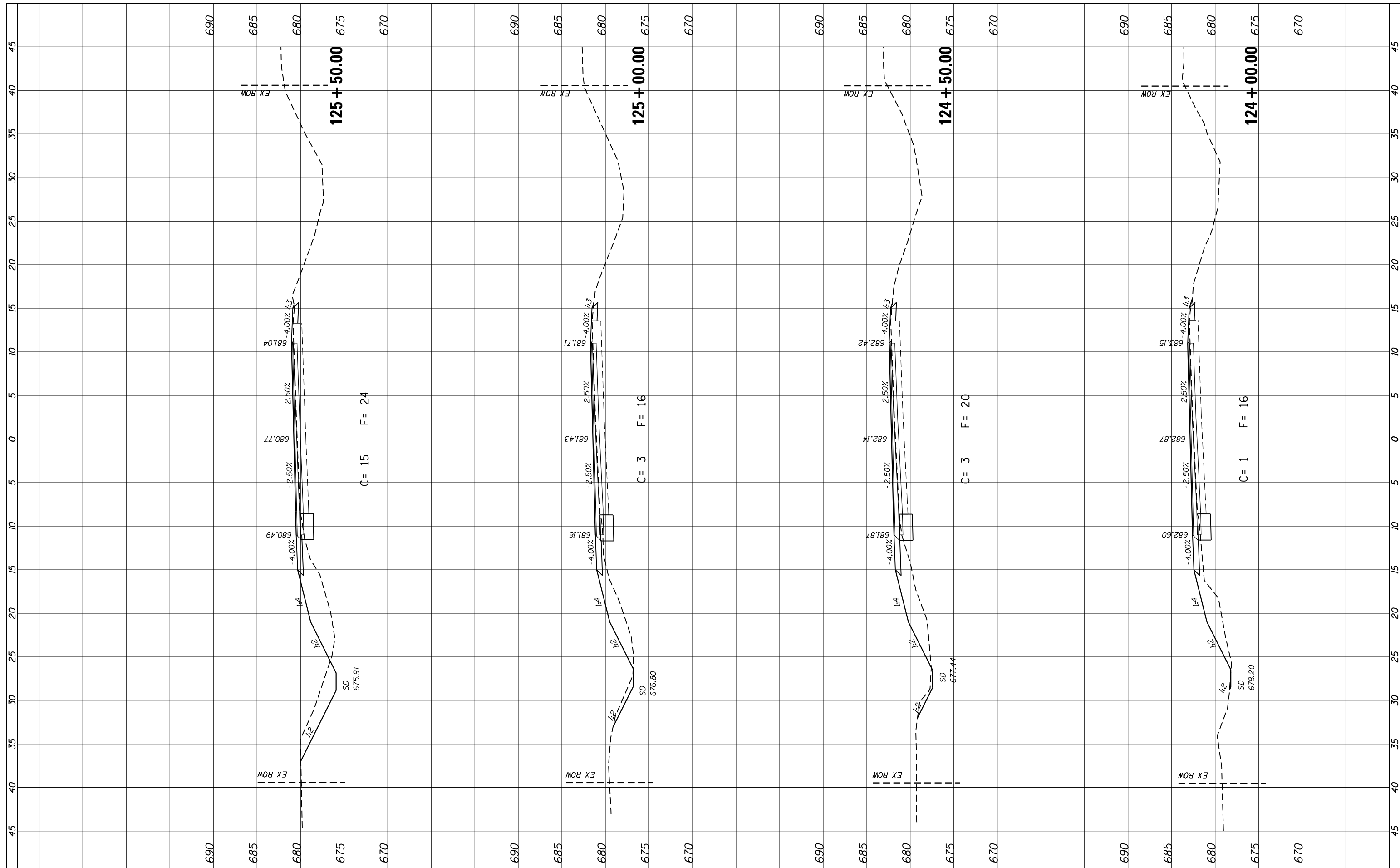
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 121+50.00 TO STA. 123+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	15-00040-05-RS	CHRISTIAN	54	42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93770	

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

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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-sht-xsec.p2,dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

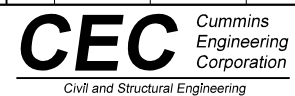
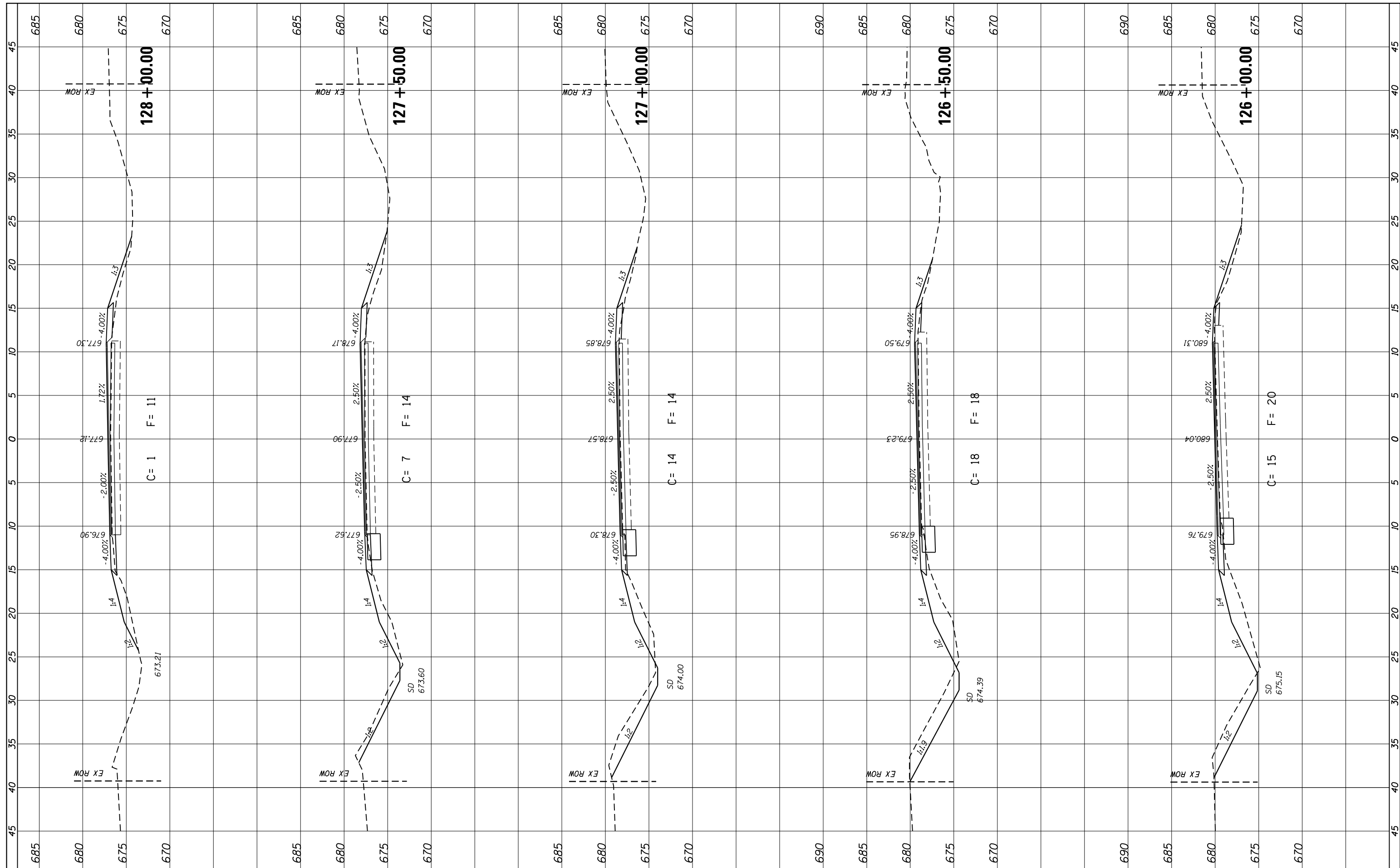
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 124+00.00	TO	STA. 125+50.00
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 43
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-sht-xsec.p2,dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

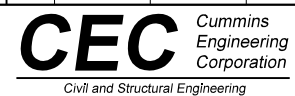
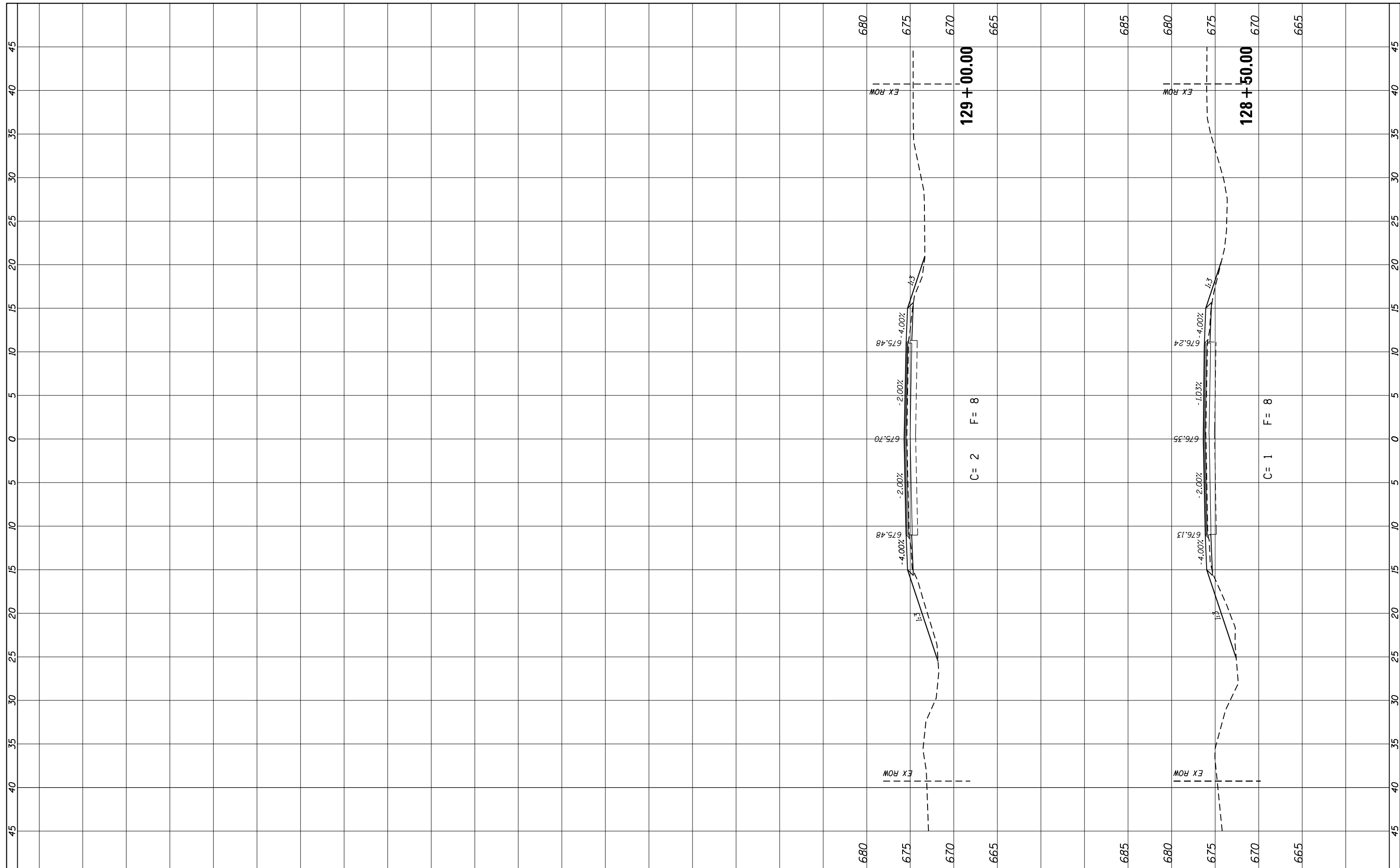
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 126+00.00	TO	STA. 128+00.00
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 44
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-sht-xsec.p2,dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

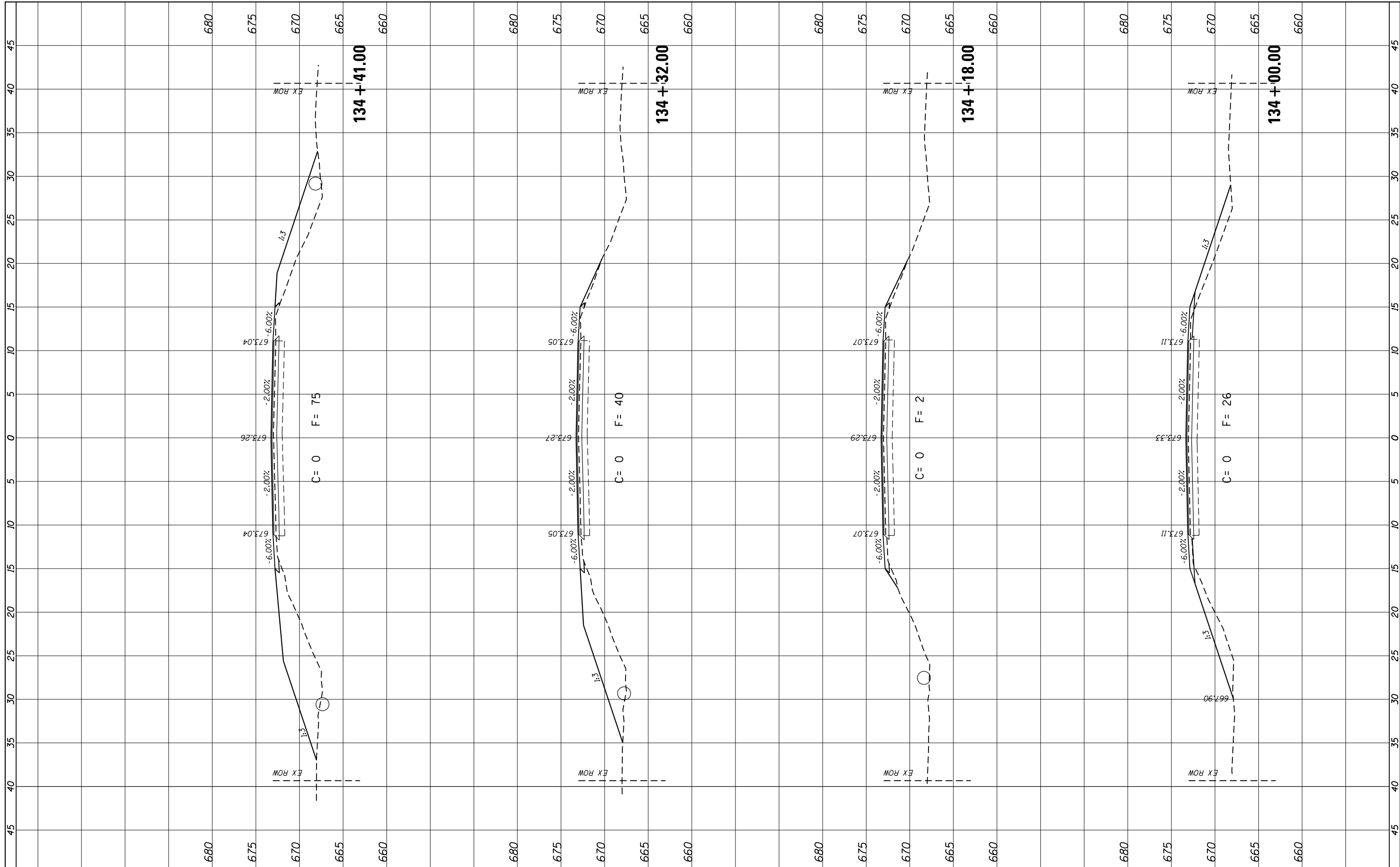
CROSS SECTIONS

SCALE:	SHEET NO.	OF SHEETS	STA. 128+50.00 TO STA. 129+00.00
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 45
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

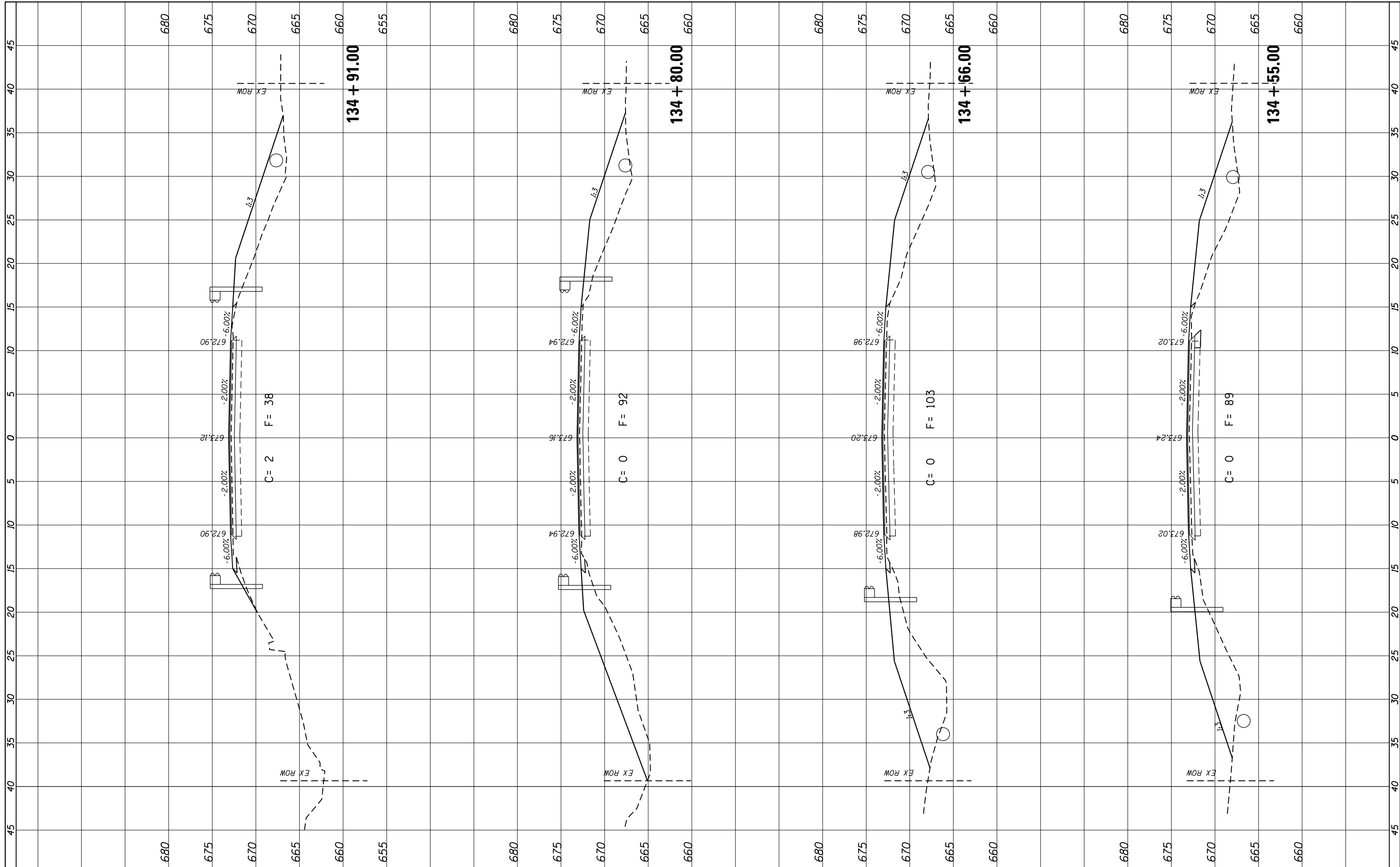
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 134+00.00 TO STA. 134+41.09

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 46
FED. ROAD DIST. NO. [ILLINOIS]		FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

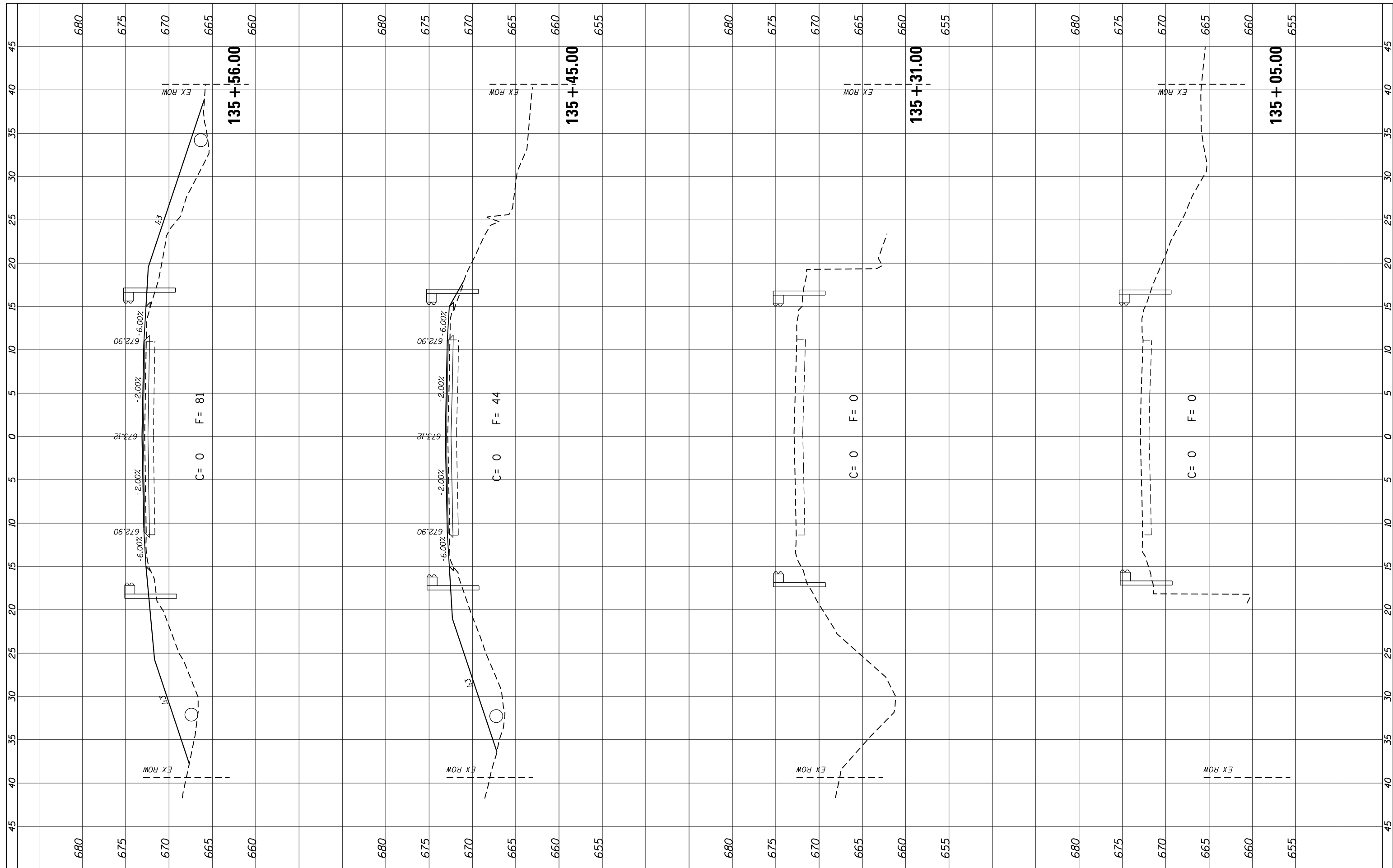
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 134+54.88 TO STA. 134+91.09

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 47
FED. ROAD DIST. NO. [ILLINOIS]		FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349
 FILE NAME = 016-2349-shr-xsec.p2,dgn
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

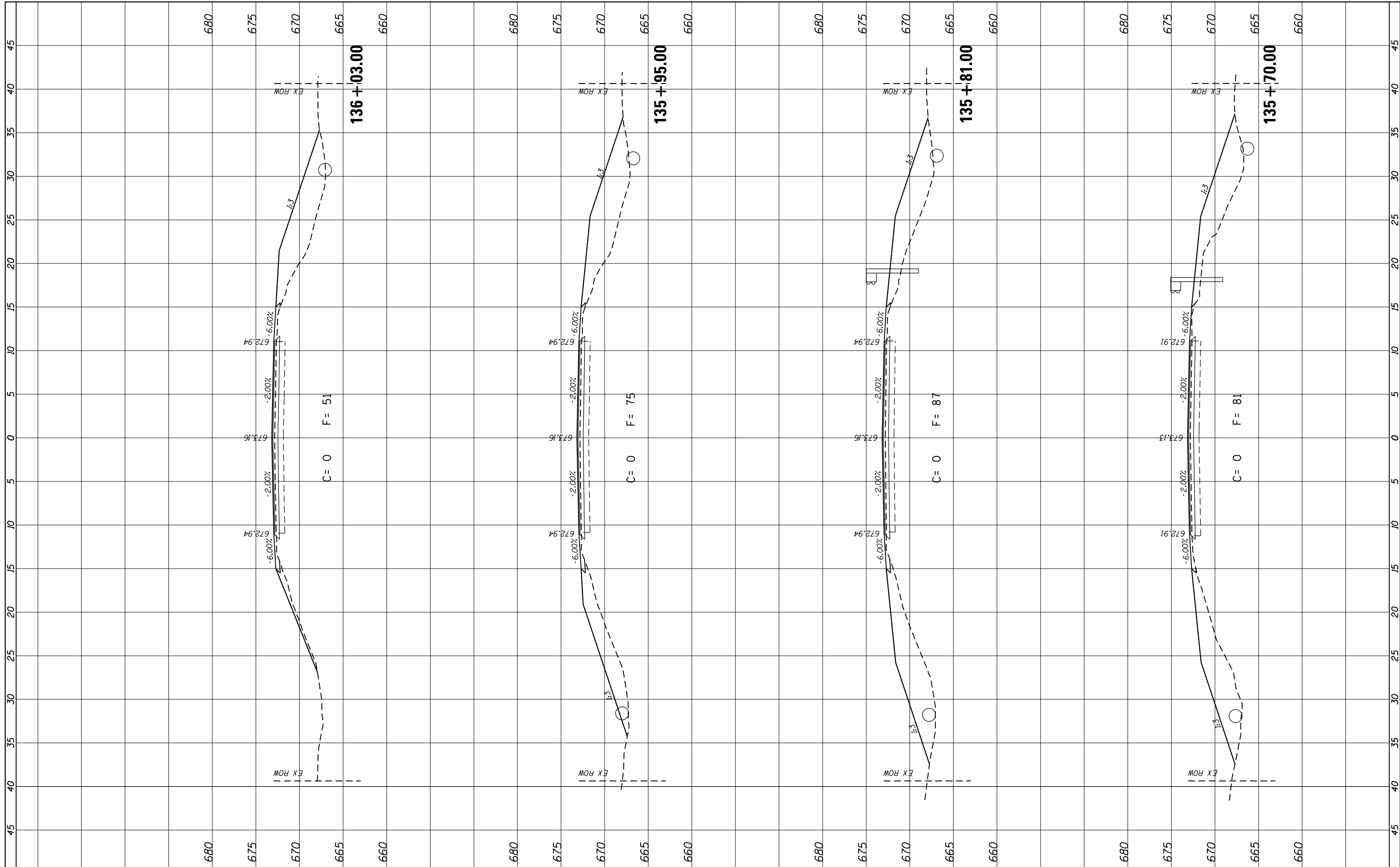
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 135+04.88 TO STA. 135+55.88

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 48
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 93770		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

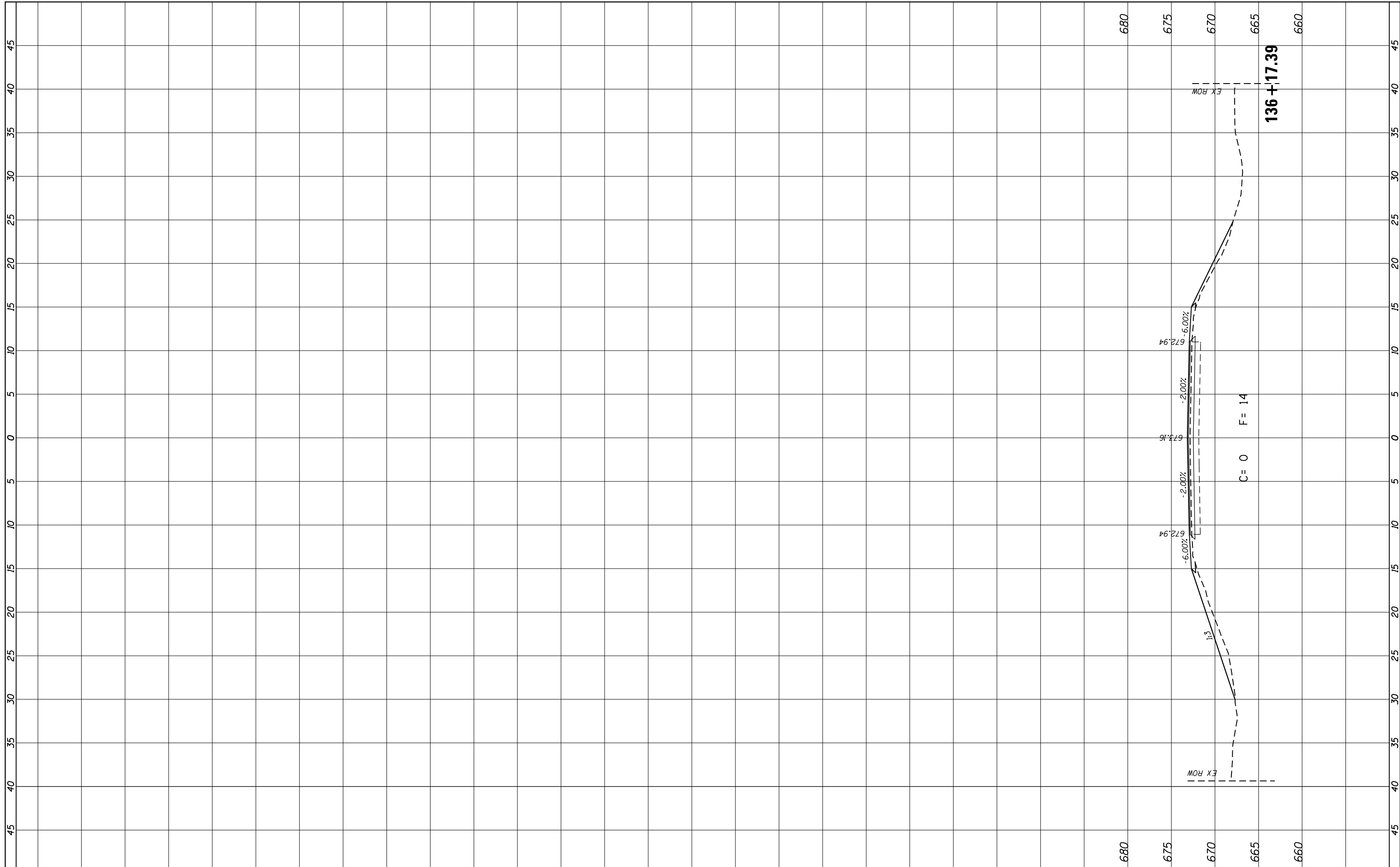


**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

CROSS SECTIONS

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-shr-xsec.p2,dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

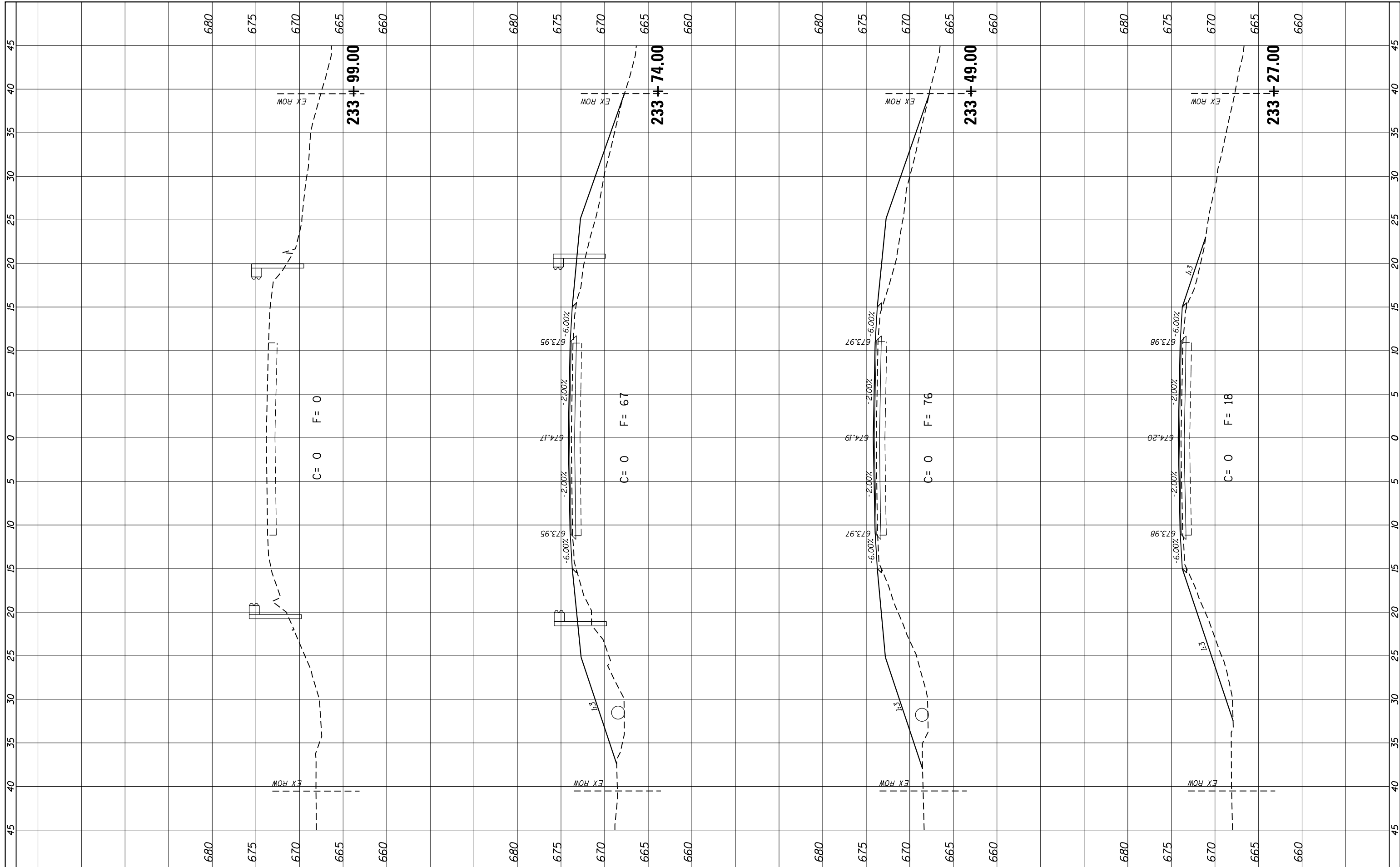
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 136+17.39 TO STA. 136+17.39

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 50
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-sht-xsec.p2,dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

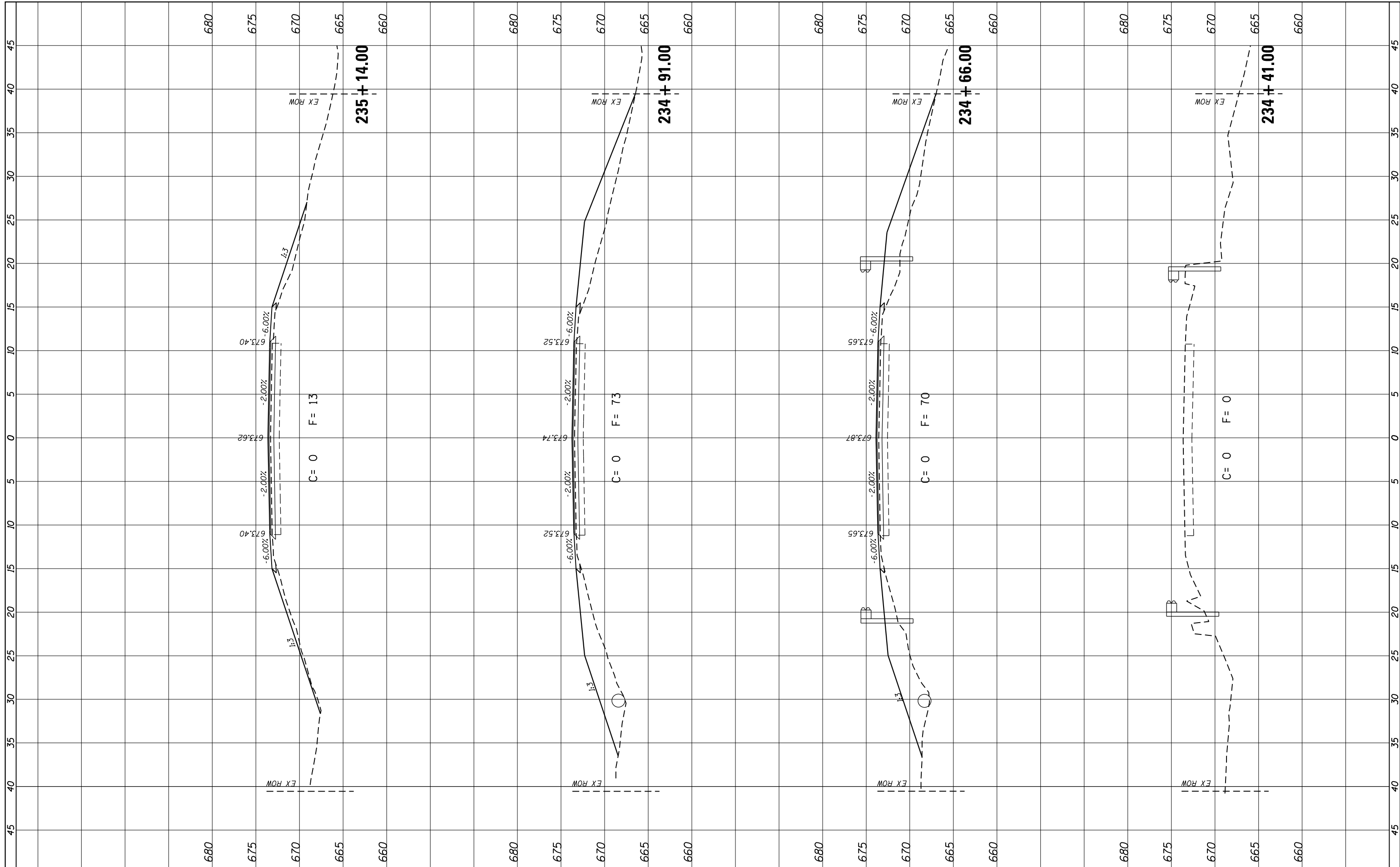
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 233+26.89 TO STA. 233+99.39

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 51
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93770		

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



JOB = 2349	DESIGNED - NAK
FILE NAME = 016-2349-sht-xsec.p2,dgn	DRAWN - SJS
PLOT SCALE = 10.0000' / in.	CHECKED - NAK
PLOT DATE = 3/12/2021	DATE - 9/30/2016

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

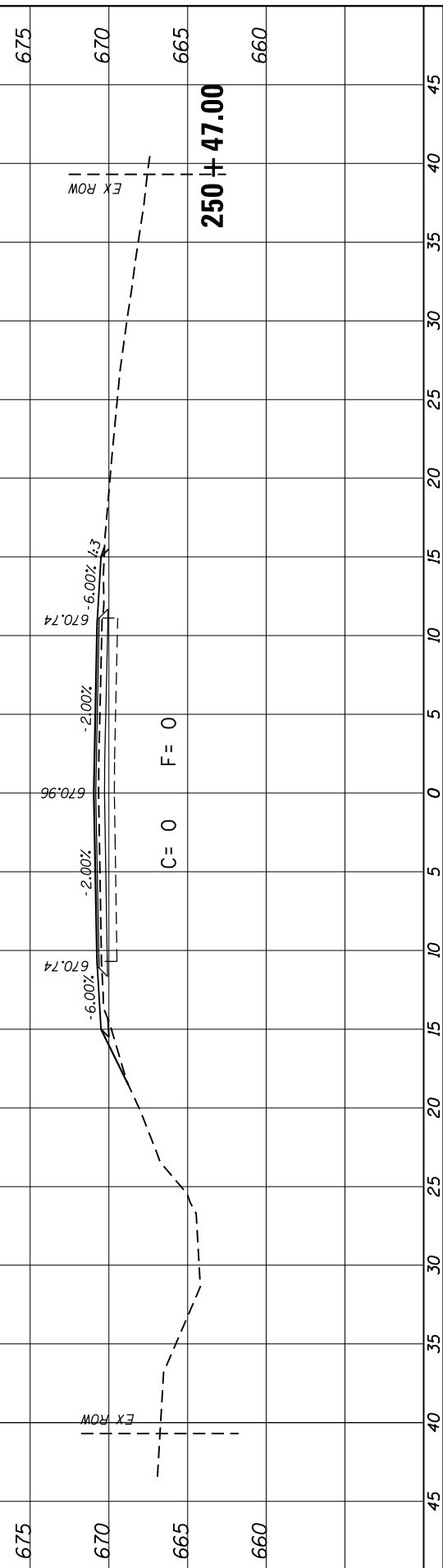
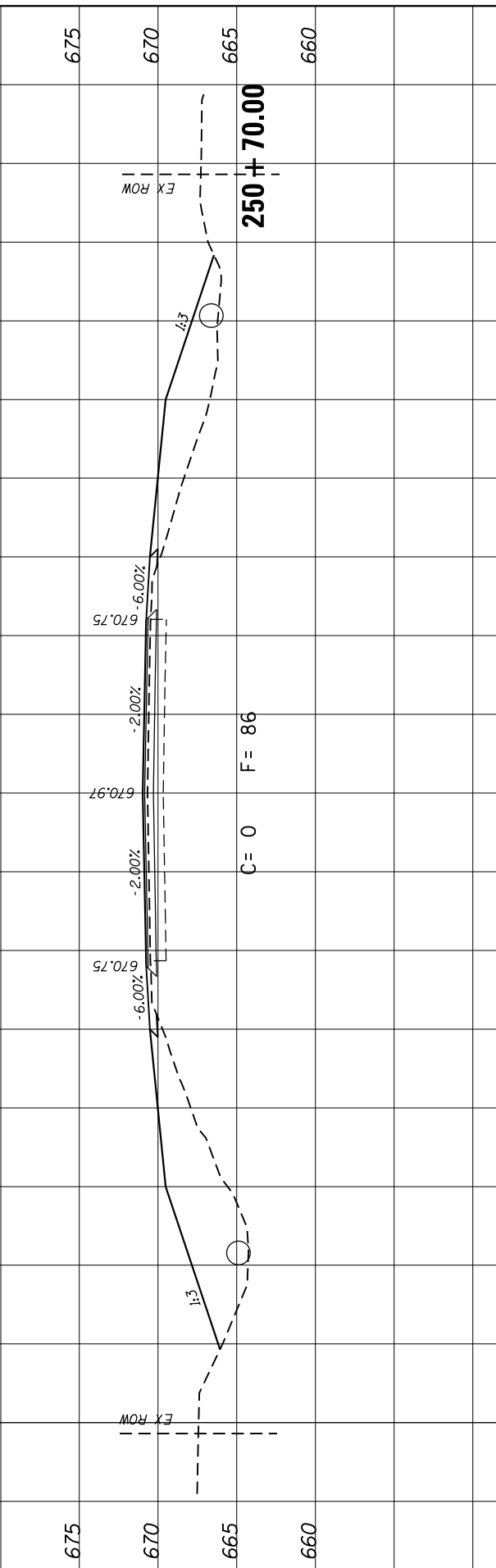
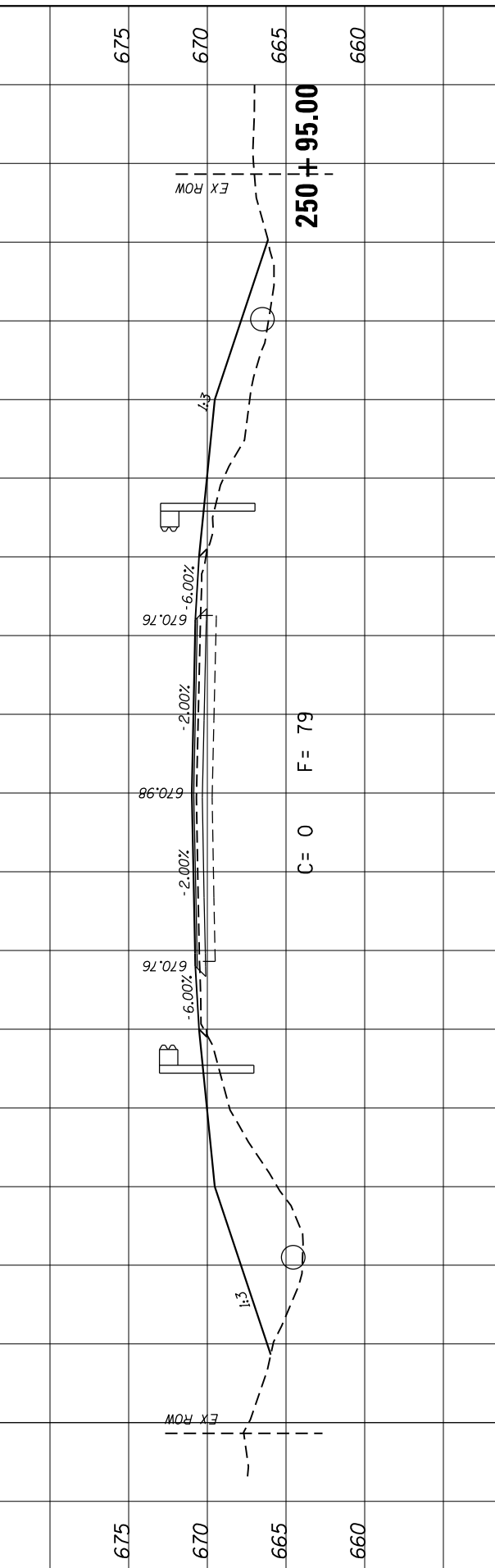
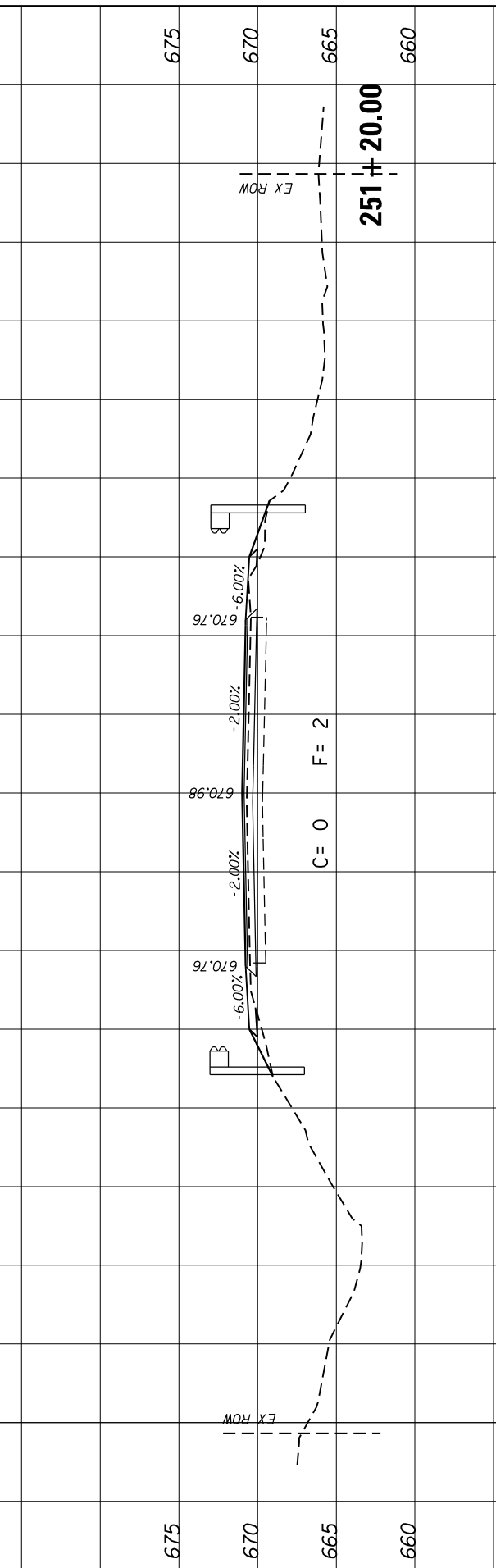
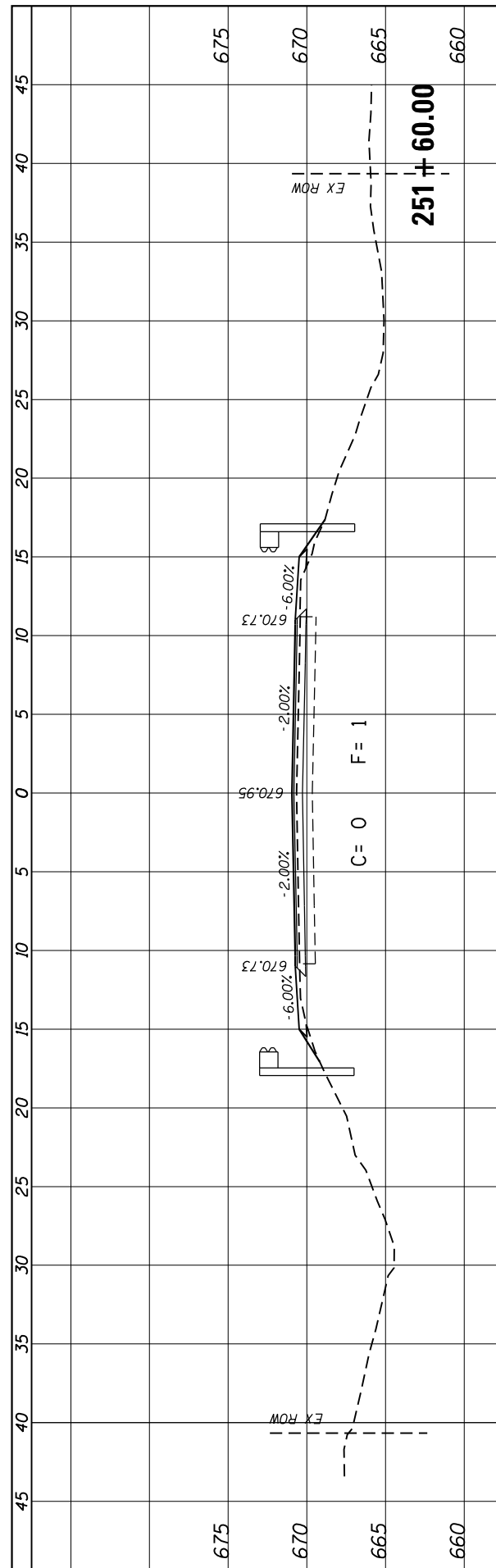
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 234+41.44	TO	STA. 235+13.94
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 52
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 93770				

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

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



JOB = 2349
 FILE NAME = 016-2349-sht-xsec.p2,dgn
 PLOT SCALE = 10.0000' / 1" = 1000
 PLOT DATE = 3/12/2021

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 9/30/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

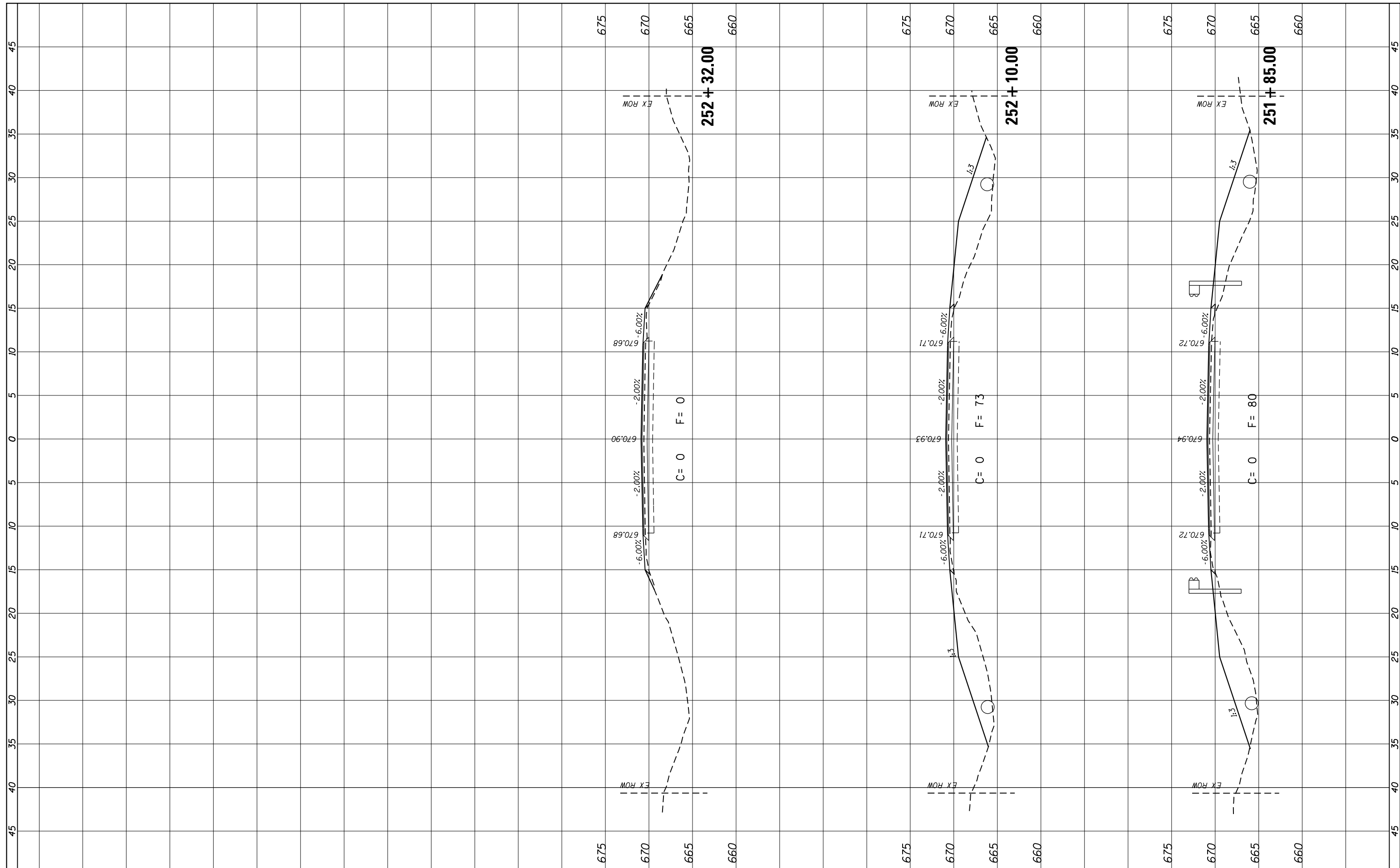
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 250+46.97 TO STA. 251+59.68

F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 53
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 93770		

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

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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 016-2349-sht-xsec.p2.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/12/2021	DATE - 9/30/2016	REVISION 09:68 252+32.18

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 251+84.68	TO STA. 252+09.68
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F.A.S. RTE. 732	SECTION 15-00040-05-RS	COUNTY CHRISTIAN	TOTAL SHEETS 54	SHEET NO. 54
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 93770		