

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY RESURFACING

FAS ROUTE 732 (CH 12)
SECTION 14-00040-04-RS
CHRISTIAN COUNTY
RESURFACING 1800E TO CH 1
PROJECT RS-0732(153)
C-96-215-15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 93684	



UTILITY CONTACTS:

UTILITY TYPE:

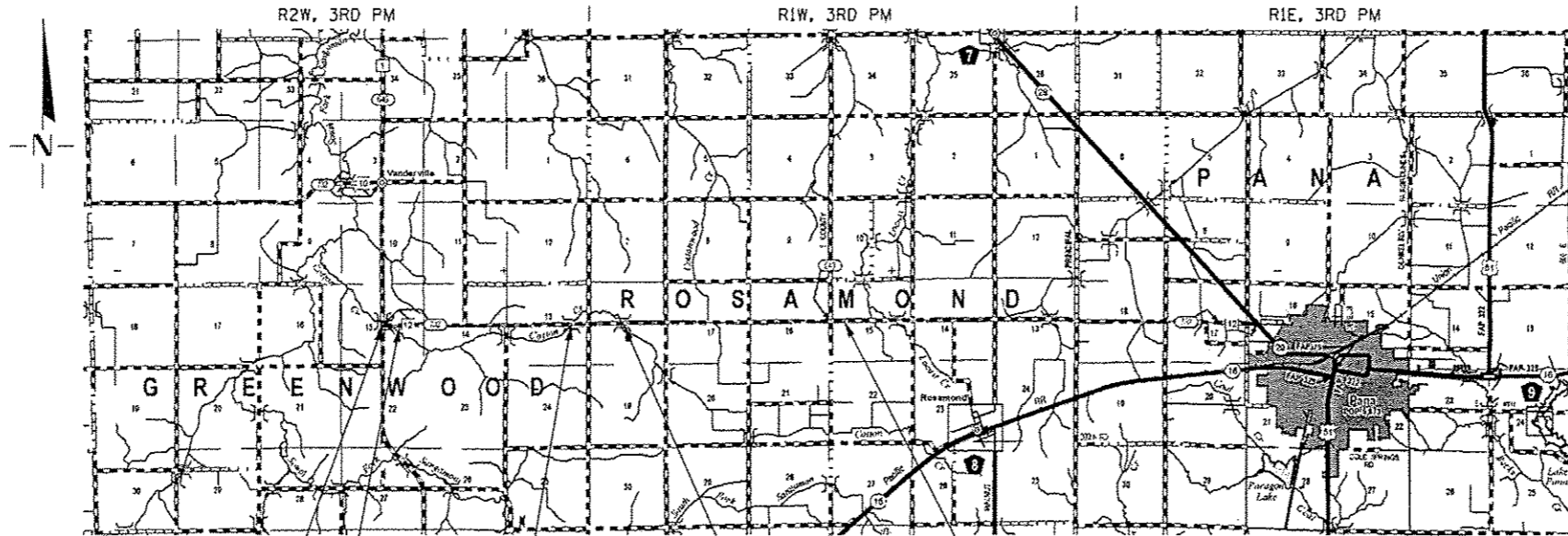
ELECTRIC
AMEREN CIPS (SOUTH)
(217) 234-0443
ATTN: D.J. KENNEDY

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



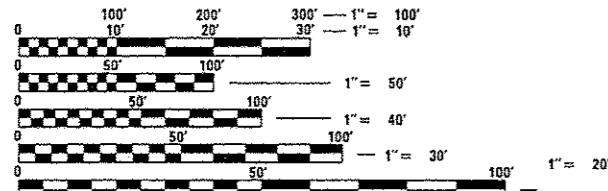
END SECTION
STA 566+33.17

STA 564+00
SN 011-5002
EX TRIPLE 12'x9'
RC BOX CULVERT

STA 444+25
SN 011-5003
EX TRIPLE 10'x6'
RC BOX CULVERT

STA 411+87
SN 011-3013
SINGLE SPAN BRIDGE
29' SPAN
36' FC TO FC CURB

BEGIN SECTION
STA 276+05.00



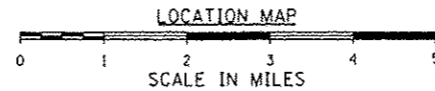
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 93684



DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION: RURAL - MAJOR COLLECTOR
DESIGN SPEED 50 MPH
3R GUIDELINES
CURRENT ADT: 920 (2015)



NET LENGTH OF SECTION 29,028.17 FEET 5.498 MILES



Kimberly S. Cummins 4/22/16
ILLINOIS PROFESSIONAL NO. 96816
(Expires 11/30/17)

APPROVED _____ 4/21, 2016
Craig D. Fry
COUNTY ENGINEER

PASSED _____ April 25th, 2016
Jeff Deaton
DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS

PASSED _____ April 25, 2016
Ken Buchanan
DISTRICT ENGINEER OF CONSTRUCTION

RELEASED FOR BID BASED ON LIMITED REVIEW _____ April 25th, 2016
Jeffrey M. South
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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GENERAL NOTES

1. THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, AND THE SPECIAL PROVISIONS INCLUDED IN THESE PLANS.
2. 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.
3. 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.
4. 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.
5. 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.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
7. 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.
8. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NAVD 88 DATUM.
9. 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.
10. THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.

LIST OF ILLINOIS DOT STANDARDS

- 000001-06 Standard Symbols, Abbreviations and Patterns
- 280001-07 Temporary Erosion Control Systems
- 630001-10 Steel Plate Beam Guardrail
- 630101-09 Guardrail Mounted on Existing Culverts
- 630301-06 Shoulder Widening for Type 1 (Special) Guardrail Terminals
- 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
- 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
- 701901-05 Traffic Control Devices
- 725001 Object and Terminal Markers
- 780001-05 Typical Pavement Markings
- 782006 Guardrail and Barrier Wall Reflector Mounting Details
- BLR 21-9 Typical Application of Traffic Control Devices for Construction on Rural Local Highways

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	LEVEL 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 COMPGRADATION	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX "C"	N.A.	MIX "C"
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



JOB = 2349	DESIGNED - NAK	REVISED -
FILE NAME = 2349-ah-t-qan.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - NAK	REVISED -
PLOT DATE = 4/22/2016	DATE - 4/20/2016	REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

**GENERAL NOTES, HIGHWAY STANDARDS
& INDEX OF SHEETS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			93684	

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	915
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60
28000305	TEMPORARY DITCH CHECKS	FOOT	64
28000400	PERIMETER EROSION BARRIER	FOOT	917
28000500	INLET AND PIPE PROTECTION	EACH	7
35501313	HOT-MIX ASPHALT BASE COURSE, 7 1/4"	SQ YD	3,292
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	10
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,608
* 40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	6,979
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,626
40600990	TEMPORARY RAMP	SQ YD	497
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	5,982
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	75
* 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	185

* - SEE SPECIAL PROVISIONS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
44000100	PAVEMENT REMOVAL	SQ YD	3,292
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	88
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	10,565
* 48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	89
* 48203100	HOT-MIX ASPHALT SHOULDERS	TON	128
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	140
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	222
△ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	219
△ 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	181
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8
△ 63200310	GUARDRAIL REMOVAL	FOOT	1,208
67100100	MOBILIZATION	LSUM	1
* 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1

△ - SPECIALTY ITEMS



JOB # 2349	DESIGNED - NAK	REVISED -
FILE NAME * 2349-ht-500.dgn	DRAWN - SJS	REVISED -
PLOT SCALE * 28.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE * 4/22/2016	DATE - 4/20/2016	REVISED -

CHRISTIAN COUNTY
CH 12 IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	3
CONTRACT NO. 93684				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1
* 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,904
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	194
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	76,075
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	76,075
△ 78200410	GUARDRAIL MARKERS, TYPE A	EACH	16
△ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8
* LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	103,254
* LR400745	COLD IN-PLACE RECYCLING, 4.5"	SQ YD	67,930
* LR403300	SURFACE PROFILE MILLING	SQ YD	67,930
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
^ * 20076000	TRAINEES	Hour	1,000
^ * 20076004	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1,000

* - SEE SPECIAL PROVISIONS

1 - 0042

△ - SPECIALTY ITEMS

CEC
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-rht-900.dgn
PLOT SCALE = 20,0000 1/ in.
PLOT DATE = 4/22/2016

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

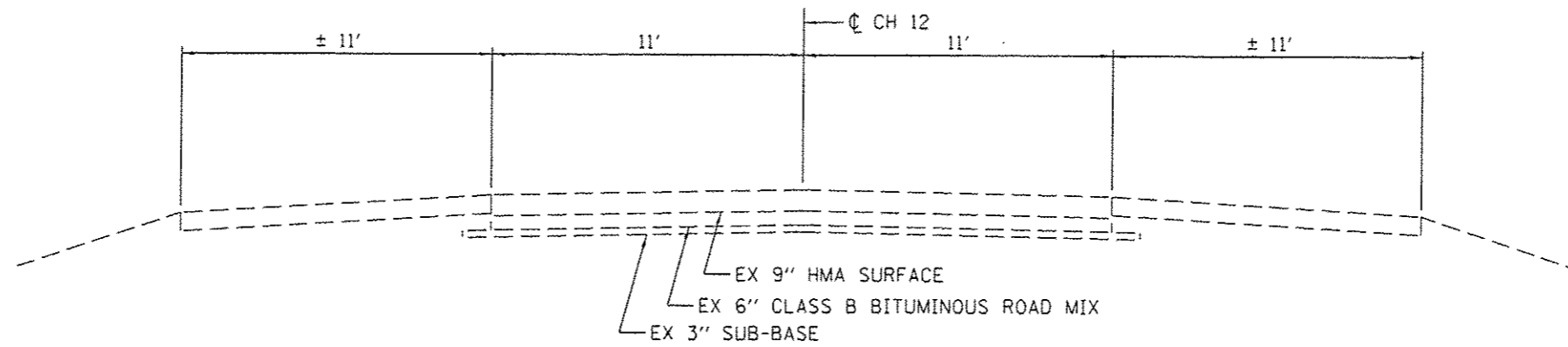
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CHRISTIAN COUNTY
CH 12 IMPROVEMENTS

SUMMARY OF QUANTITIES

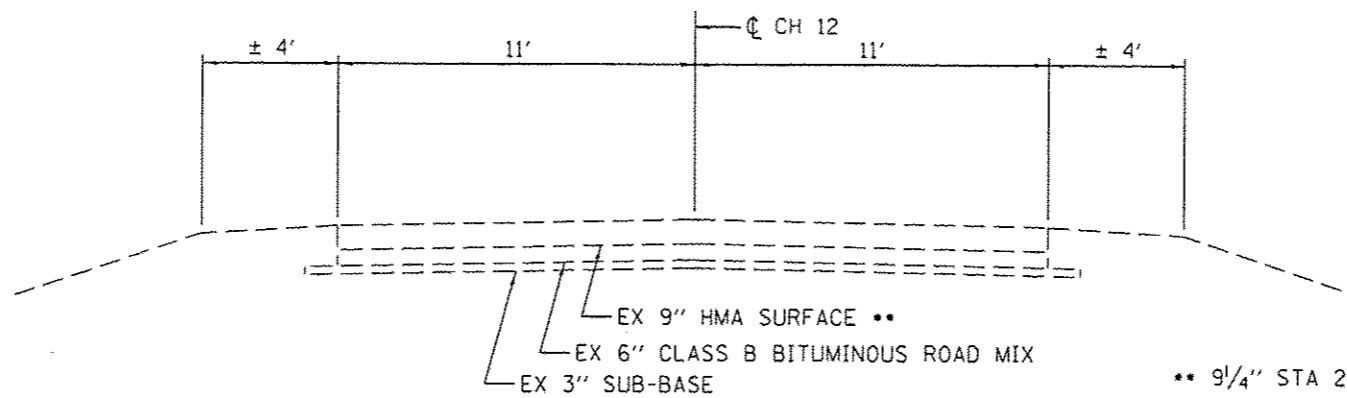
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	4
CONTRACT NO. 93684				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.



EXISTING CH 12 TYPICAL CROSS SECTION

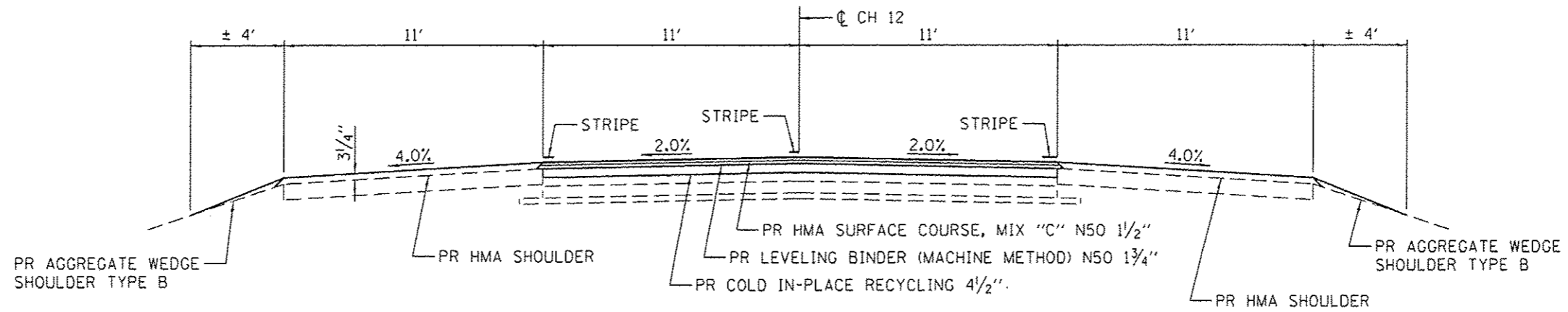
LT STA 454+25 TO STA 457+55
 RT STA 453+62 TO STA 457+58



EXISTING CH 12 TYPICAL CROSS SECTION

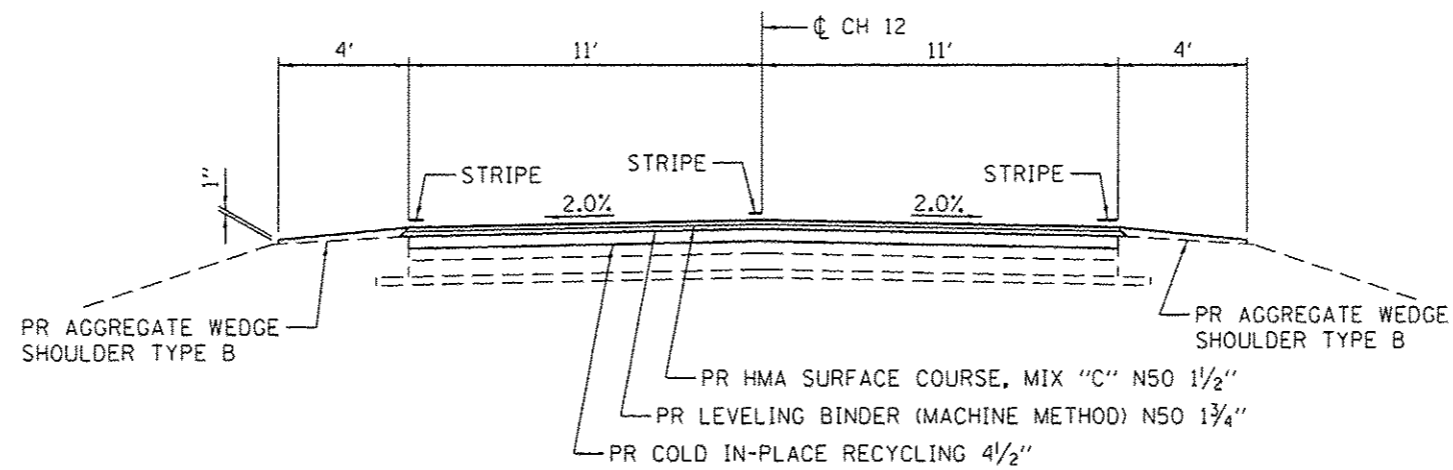
LT STA 276+05 TO STA 454+25
 LT STA 457+55 TO STA 566+33.17
 RT STA 276+05 TO STA 453+62
 RT STA 457+58 TO STA 566+33.17

** 9 1/4" STA 276+05 TO STA 385+00



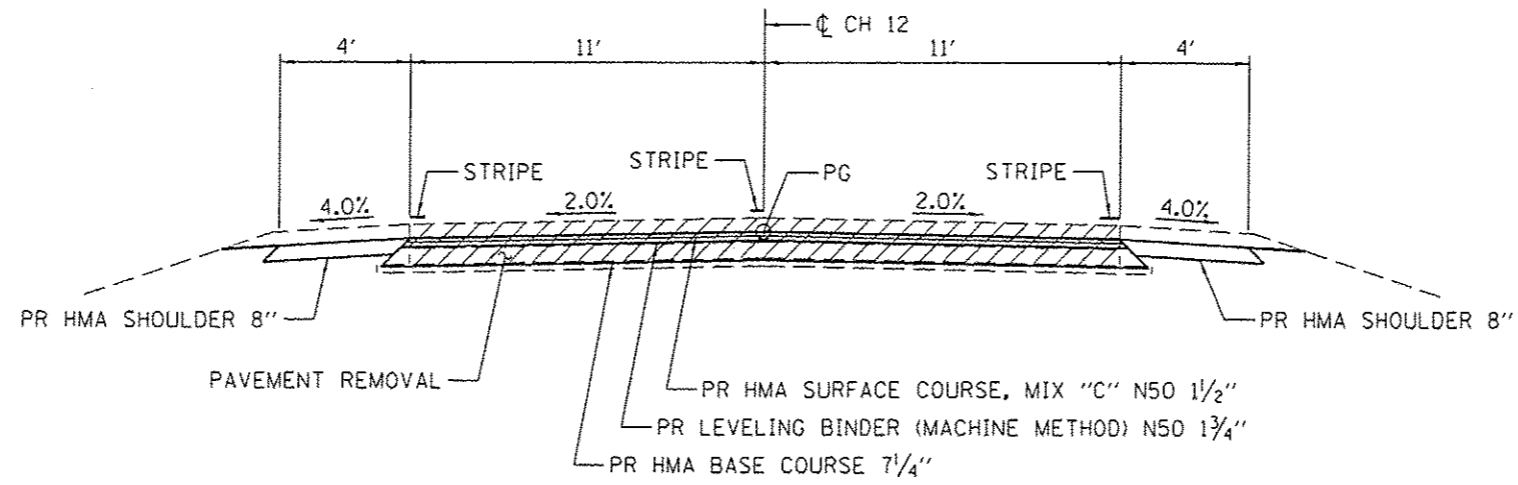
PROPOSED CH 12 TYPICAL CROSS SECTION

LT STA 454+25 TO STA 457+55
RT STA 453+62 TO STA 457+58



PROPOSED CH 12 TYPICAL CROSS SECTION

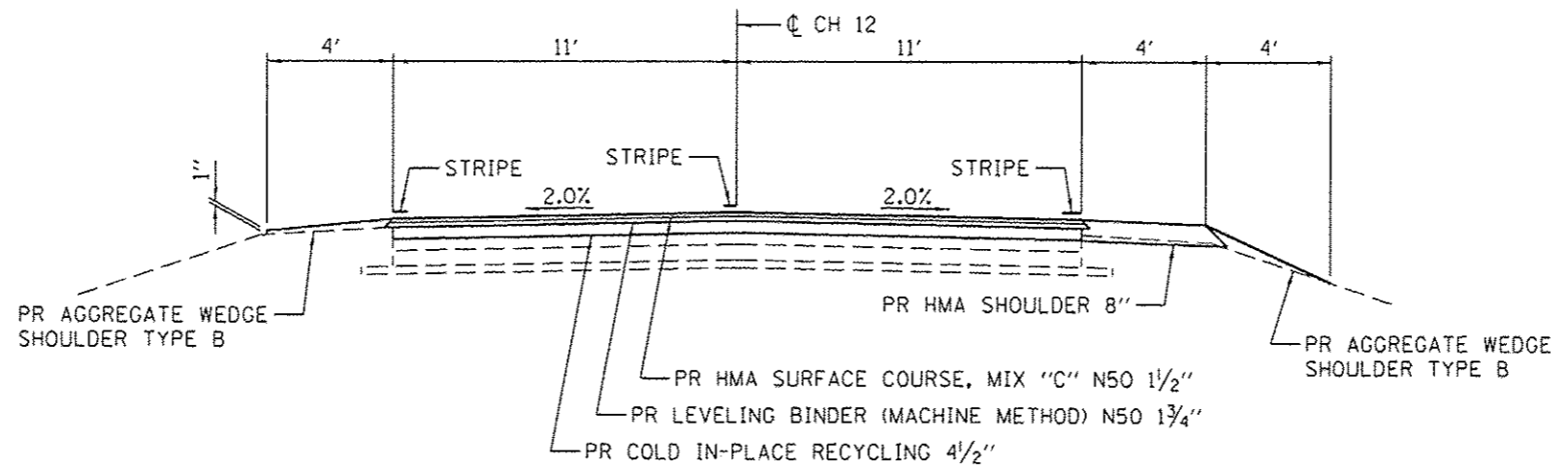
LT STA 276+05.00 TO STA 441+19.95
LT STA 447+19.95 TO STA 454+25.00
LT STA 457+55.00 TO STA 559+94.57
RT STA 276+05.00 TO STA 384+18.00
RT STA 386+32.00 TO STA 441+19.95
RT STA 441+19.95 TO STA 453+62.00
RT STA 457+58.00 TO STA 459+94.57



PROPOSED CH 12 TYPICAL CROSS SECTION

STA 441+19.95 TO STA 447+19.95
 STA 559+94.57 TO STA 566+33.17 •

- END PROPOSED PAVEMENT REMOVAL AND HMA BASE COURSE AT STA 565+48.15. MILL AND RESURFACE EXISTING PAVEMENT FROM STA 565+48.15 TO STA 566+33.17



PROPOSED CH 12 TYPICAL CROSS SECTION

RT STA 384+18 TO STA 386+32

EARTHWORK

LOCATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
EARTH EXCAVATION				
STA 352+75.00 TO STA 355+25.00	0	0	273	-273
STA 409+75.00 TO STA 410+51.31	0	0	70	-70
STA 412+98.17 TO STA 413+95.00	0	0	77	-77
STA 441+00.00 TO STA 447+00.00	421	316	52	264
STA 559+75.00 TO STA 565+50.00	492	369	46	323
TOTAL	913	685	518	167

SHRINKAGE = 25%

CLASS D PATCHES, TYPE IV, 10 INCH

LOCATION	SQ YD
LT STA 330+41.92 TO STA 331+15.71	88.25
TOTAL	88.25

PAVEMENT REMOVAL

LOCATION	SQ YD
LT & RT STA 441+19.99 TO STA 447+19.99	1,460.83
LT & RT STA 559+94.62 TO STA 566+33.63	1,830.75
TOTAL	3,291.58

HOT-MIX ASPHALT BASE COURSE, 7 1/4"

LOCATION	SQ YD
LT & RT STA 441+19.99 TO STA 447+19.99	1,460.83
LT & RT STA 559+94.62 TO STA 566+33.63	1,830.75
TOTAL	3,291.58

HOT-MIX ASPHALT SHOULDERS

LOCATION	TON
LT STA 441+19.99 TO STA 457+52.74	56.96
RT STA 454+25.48 TO STA 457+58.16	71.52
TOTAL	128.48

HOT-MIX ASPHALT SHOULDERS, 8"

LOCATION	SQ YD
RT STA 384+31.84 TO STA 386+31.84	88.89
TOTAL	88.89

AGGREGATE WEDGE SHOULDERS TYPE B

LOCATION	TON
LT STA 276+05.00 TO STA 277+07.45	19.14
LT STA 277+50.26 TO STA 330+53.46	990.52
LT STA 330+99.65 TO STA 383+47.97	980.27
LT STA 384+34.07 TO STA 433+05.50	909.87
LT STA 433+52.77 TO STA 454+29.52	387.89
LT STA 457+52.63 TO STA 485+60.68	524.48
LT STA 486+36.59 TO STA 566+28.96	1,492.80
RT STA 276+05.00 TO STA 277+05.85	18.84
RT STA 277+52.22 TO STA 330+52.74	990.02
RT STA 330+96.65 TO STA 383+61.38	983.33
RT STA 386+31.84 TO STA 432+82.13	868.57
RT STA 433+46.45 TO STA 453+64.83	376.99
RT STA 457+58.43 TO STA 512+70.84	1,029.60
RT STA 513+13.47 TO STA 566+28.96	992.82
TOTAL	10,565.14

BITUMINOUS MATERIALS (TACK COAT)

LOCATION	RATE	POUND
RECYCLED PAVEMENT	0.025	1,780.28
FOG COAT	0.025	1,780.28
TOTAL		3,560.57

LEVELING BINDER (MACHINE METHOD), N50

LOCATION	TON
STA 276+05.00 TO STA 565+52.96	6,934.64
STA 565+52.96 TO STA 566+33.17	44.07
TOTAL	6,978.71

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

LOCATION	TON
STA 276+05.00 TO STA 565+52.96	5,943.98
STA 565+52.96 TO STA 566+33.17	37.77
TOTAL	5,981.75

COLD IN-PLACE RECYCLING, 4.5"

LOCATION	SQ YD
STA 276+05.00 TO STA 441+19.99	40,369.98
STA 447+19.99 TO STA 559+94.62	27,560.21
TOTAL	67,930.19

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	SQ YD
STA 276+05.00 TO STA 276+90.00	207.78
STA 565+48.15 TO STA 566+33.15	461.33
TOTAL	669.11

SEEDING, CLASS 2 (SPECIAL)

LOCATION	ACRE
LT STA 352+82.00 TO STA 353+69.00	0.03
LT STA 358+89.00 TO STA 355+41.00	0.03
RT STA 353+03.00 TO STA 354+10.00	0.04
RT STA 354+39.00 TO STA 355+52.00	0.03
LT STA 409+72.00 TO STA 410+81.00	0.03
LT STA 412+92.00 TO STA 413+87.00	0.03
RT STA 409+72.00 TO STA 410+78.00	0.03
RT STA 412+95.00 TO STA 413+79.00	0.02
LT STA 441+20.00 TO STA 447+20.00	0.10
RT STA 441+20.00 TO STA 447+20.00	0.08
LT STA 559+85.00 TO STA 565+76.00	0.08
RT STA 559+75.00 TO STA 565+83.00	0.08
TOTAL	0.58

PAINT PAVEMENT MARKING - LINE 4"

LOCATION	FOOT
YELLOW SKIP DASH	
STA 276+05.00 TO STA 566+33.17	7,260
SOLID YELLOW CENTERLINE	
LT STA 547+29.00 TO STA 552+31.00	502
RT STA 553+64.00 TO STA 563+15.00	951
SUBTOTAL YELLOW	8,713
SOLID WHITE EDGE LINE	
LT STA 276+05.00 TO STA 377+04.00	10,099
LT STA 277+54.00 TO STA 330+49.00	5,295
LT STA 331+03.00 TO STA 383+39.00	5,236
LT STA 384+54.00 TO STA 432+90.00	4,836
LT STA 433+59.00 TO STA 485+55.00	5,196
LT STA 486+44.00 TO STA 566+33.17	7,989
RT STA 276+05.00 TO STA 277+02.00	97
RT STA 277+61.00 TO STA 330+49.00	5,288
RT STA 331+02.00 TO STA 383+57.00	5,255
RT STA 384+26.00 TO STA 432+63.00	4,837
RT STA 433+51.00 TO STA 512+69.00	7,918
RT STA 513+17.00 TO STA 566+33.17	5,316
SUBTOTAL WHITE	67,362
TOTAL	76,075

SHORT TERM PAVEMENT MARKINGS

LOCATION	NO. OF APPLICATIONS	SHORT TERM PAVEMENT MARKINGS	SHORT TERM PAVEMENT MARKING REMOVAL
		FOOT	SQ FT
YELLOW SKIP DASH			
STA 276+05.00 TO STA 566+33.17	5	2,904	193.60

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

PERIMETER EROSION BARRIER

LOCATION	FOOT
RT STA 354+60.00 TO STA 354+95.00	35
LT STA 559+97.00 TO STA 563+49.00	352
LT STA 564+14.00 TO STA 565+63.00	149
RT STA 561+20.00 TO STA 563+85.00	265
RT STA 564+48.00 TO STA 565+64.00	116
TOTAL	917

TEMPORARY DITCH CHECK

LOCATION	FOOT
LT STA 443+00.00	8
LT STA 444+08.00	8
LT STA 444+74.00	8
LT STA 445+28.00	8
RT STA 443+00.00	8
RT STA 443+78.00	8
RT STA 444+44.00	8
RT STA 445+28.00	8
TOTAL	64

INLET AND PIPE PROTECTION

LOCATION	EACH
LT STA 352+93.00	1
LT STA 354+66.00	1
RT STA 353+36.00	1
LT STA 409+97.00	1
LT STA 413+63.00	1
RT STA 409+96.00	1
RT STA 413+61.00	1
TOTAL	7



JOB # 2349	DESIGNED - NAK
FILE NAME : 2349-sh-traced.dgn	DRAWN - SJS
PLDT SCALE : 2,8800 ' / in.	CHECKED - NAK
PLDT DATE : 4/22/2016	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. 732	SECTION 14-00040-04-R5	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 8
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 93684	

ENTRANCES

LOCATION	AGGREGATE SURFACE COURSE, TYPE B TON	BITUMINOUS MATERIALS (TACK COAT) POUND	BITUMINOUS MATERIALS (PRIME COAT) POUND	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT SQ YD	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	TEMPORARY RAMP SQ YD
LT STA 277+32.00	50	O&C	SIDE ROAD			
LT STA 292+49.00	17	AGG	PE	0.84		
LT STA 296+93.00	20	AGG	FE		0.73	
LT STA 310+63.00	20	HMA	FE			
LT STA 317+27.00	18	TURF	FE			
LT STA 328+54.00	24	HMA	PE		1.6	
LT STA 331+02.00	54	O&C	SIDE ROAD		2.93	
LT STA 350+74.00	16	TURF	FE			
LT STA 357+26.00	18	HMA	FE			
LT STA 370+21.00	14	TURF	FE			
LT STA 389+90.00	105	O&C	SIDE ROAD		5.2	
LT STA 390+59.00	15	TURF	FE			
LT STA 397+08.00	17	TURF	FE			
LT STA 403+65.00	25	AGG	PE	1.11		
LT STA 404+49.00	8	TURF	PE			
LT STA 420+43.00	17	AGG	PE	0.84		
LT STA 424+03.00	14	TURF	FE			
LT STA 433+28.00	64	O&C	SIDE ROAD		3.38	
LT STA 447+48.00	15		FE			
LT STA 465+80.00		HMA	MB		5.42	
LT STA 469+80.00	15	TURF	FE			
LT STA 477+36.00	30	TURF	FE			
LT STA 477+53.00		AGG	MB		5.42	
LT STA 485+96.00	88	O&C	SIDE ROAD		4.44	
LT STA 488+34.00	17	TURF	FE			
LT STA 507+63.00	30	AGG	FE			
LT STA 508+18.00		HMA	MB		5.42	
LT STA 508+95.00	34	AGG	PE	1.42		
LT STA 520+80.00	16	HMA	PE		1.11	
LT STA 531+29.00	14	TURF	FE		1.24	
LT STA 536+95.00	14	TURF	FE			
LT STA 540+02.00	14	TURF	FE			
LT STA 552+64.00	16	TURF	FE			
LT STA 555+28.00	13	HMA	PE		1.11	
RT STA 277+32.00	59	O&C	SIDE ROAD		3.16	
RT STA 279+68.00	15	HMA	PE		1.2	
RT STA 279+93.00		HMA	MB		5.42	
RT STA 292+56.00		HMA	MB		5.42	
RT STA 294+44.00		HMA	MB		5.42	
RT STA 294+62.00	14	AGG	PE	0.74		
RT STA 296+34.00	24	AGG	FE		0.67	
RT STA 315+55.00	14	TURF	FE			
RT STA 328+50.00		AGG	MB		5.42	
RT STA 331+02.00	53	O&C	SIDE ROAD		2.89	
RT STA 338+23.00	20	TURF	FE			
RT STA 348+15.00	15	HMA	PE		1.2	
RT STA 348+36.00		HMA	MB		5.42	
RT STA 364+14.00	16	TURF	FE			
RT STA 379+06.00	15	HMA	PE		1.2	
RT STA 379+25.00		HMA	MB		5.42	
RT STA 389+90.00	65	O&C	SIDE ROAD		3.42	
RT STA 396+07.00	17	TURF	FE			
RT STA 397+05.00	14	AGG	FE			
RT STA 404+25.00	20	AGG	FE			
RT STA 404+45.00		HMA	MB		5.42	
RT STA 408+76.00	12	AGG	PE/MB	0.67		
RT STA 418+78.00	18	TURF	FE			
RT STA 420+94.00		HMA	MB		5.42	
RT STA 433+23.00	85	O&C	SIDE ROAD		4.31	
RT STA 440+58.00	12	TURF	FE			
RT STA 447+28.00	33		PE	1.38		
RT STA 455+25.00	10	HMA	CE		0.98	
RT STA 457+45.00	9	AGG	CE			
RT STA 462+18.00	12	TURF	FE			

CONTINUED

ENTRANCES

LOCATION	AGGREGATE SURFACE COURSE, TYPE B TON	BITUMINOUS MATERIALS (TACK COAT) POUND	BITUMINOUS MATERIALS (PRIME COAT) POUND	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT SQ YD	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	TEMPORARY RAMP SQ YD
RT STA 465+80.00	16	AGG	PE			
RT STA 469+96.00	15	TURF	FE			
RT STA 477+59.00	20	HMA	PE		1.42	
RT STA 479+69.00	22	AGG	FE		28.44	
RT STA 488+28.00	10	TURF	FE			
RT STA 488+34.00	22	AGG	FE			
RT STA 506+11.00	20	TURF	FE			
RT STA 512+93.00	49	O&C	SIDE ROAD		2.71	
RT STA 521+15.00		HMA	MB		5.42	
RT STA 526+37.00	15	TURF	FE			
RT STA 526+81.00	27	AGG	FE			
RT STA 531+27.00	21	HMA	PE		1.47	
RT STA 533+18.00	12	AGG	FE			
RT STA 540+04.00	14	AGG	FE			
RT STA 549+82.00	16	HMA	PE		1.24	
RT STA 554+14.00	15	AGG	PE	0.78		
RT STA 555+25.00	16	AGG	PE	0.81		
RT STA 560+93.00	14	AGG	PE	0.74		
TOTALS	10.14	47.86	74.68	957.33	184.54	373.33

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

LOCATION	FOOT
LT STA 444+09.70 TO STA 444+12.83	3.13
LT STA 444+53.45 TO STA 445+09.70	56.25
RT STA 443+39.60 TO STA 443+95.85	56.25
RT STA 444+36.48 TO STA 444+39.60	3.12
LT STA 563+57.10 TO STA 563+63.25	6.15
LT STA 564+13.35 TO STA 564+57.10	43.75
RT STA 563+40.50 TO STA 563+84.25	43.75
RT STA 564+34.25 TO STA 564+40.50	6.25
TOTAL	218.65

TERMINAL MARKER - DIRECT APPLIED

LOCATION	EACH
LT STA 443+59.70	1
LT STA 445+59.70	1
RT STA 442+89.60	1
RT STA 444+89.60	1
LT STA 563+07.10	1
LT STA 565+07.10	1
RT STA 562+90.50	1
RT STA 564+90.50	1
TOTAL	8

STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES

LOCATION	FOOT
LT STA 444+12.83 TO STA 444+53.45	40.62
RT STA 443+95.85 TO STA 444+36.48	40.63
LT STA 563+63.35 TO STA 564+13.35	50.00
RT STA 563+84.25 TO STA 564+34.25	50.00
TOTAL	181.25

GUARDRAIL REMOVAL

LOCATION	FOOT
LT STA 442+89.20 TO STA 445+89.00	299.80
RT STA 442+59.70 TO STA 445+60.50	300.80
LT STA 562+40.30 TO STA 565+43.50	303.20
RT STA 562+53.30 TO STA 565+57.00	303.70
TOTAL	1,207.50

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	EACH
LT STA 443+59.70 TO STA 444+09.70	1
LT STA 445+09.70 TO STA 445+59.70	1
RT STA 442+89.60 TO STA 443+39.60	1
RT STA 444+39.60 TO STA 444+89.60	1
LT STA 563+07.10 TO STA 563+57.10	1
LT STA 564+57.10 TO STA 565+07.10	1
RT STA 562+90.50 TO STA 563+40.50	1
RT STA 564+40.50 TO STA 564+90.50	1
TOTAL	8

PIPE CULVERTS, CLASS D, TYPE 1 18"

LOCATION	FOOT
LT STA 352+98.65 TO STA 353+46.40	48
LT STA 354+14.00 TO STA 354+60.00	46
RT STA 353+40.00 TO STA 353+86.00	46
TOTAL	140

PIPE CULVERTS, CLASS D, TYPE 1 24"

LOCATION	FOOT
LT STA 409+97.50 TO STA 410+61.50	64
LT STA 413+12.50 TO STA 413+62.50	50
RT STA 409+96.00 TO STA 410+60.00	64
RT STA 413+15.75 TO STA 413+59.70	44
TOTAL	222

GUARDRAIL MARKERS, TYPE A

LOCATION	EACH
LT STA 444+09.70 TO STA 445+09.70	4
RT STA 443+39.60 TO STA 444+39.60	4
LT STA 563+57.10 TO STA 564+57.10	4
RT STA 563+40.50 TO STA 564+40.50	4
TOTAL	16



JOB # 2349
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 PLOT DATE = 4/22/2016

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

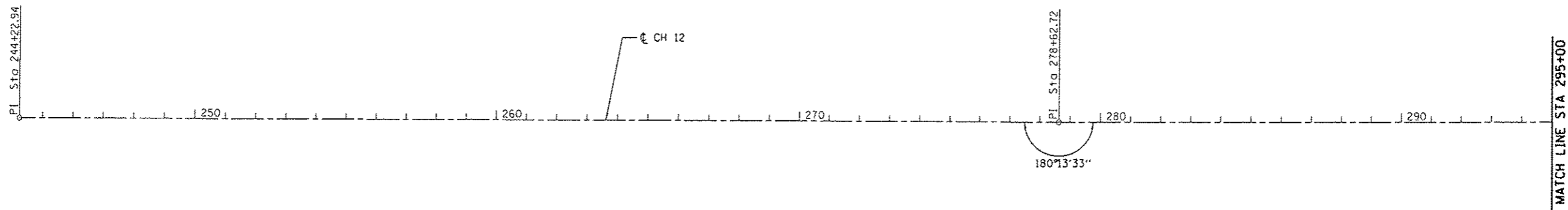
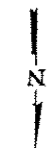
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 REVISED -
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CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS

SCHEDULE OF QUANTITIES

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

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	9
CONTRACT NO. 93684				
FEB. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



CH 12			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T.	244+22.94 R 2	996781.12	2574362.02
P.I.	278+62.72 R 2	996740.81	2570922.47
P.I.	333+85.29 R 2	996654.34	2565400.58
P.C.	417+66.11 R 2	996586.11	2557020.04
P.I.	421+28.63 R 2	996583.16	2556657.53
P.T.	424+91.11 R 2	996571.03	2556295.22
P.C.	430+46.00 R 2	996552.47	2555740.64
P.I.	433+86.29 R 2	996541.09	2555400.54
P.T.	437+26.57 R 2	996533.75	2555060.32
P.C.	479+96.59 R 2	996441.65	2550791.31
P.I.	484+32.48 R 2	996432.25	2550365.51
P.T.	488+68.31 R 2	996436.11	2549919.63
P.C.	537+00.47 R 2	996478.91	2545087.66
P.I.	539+94.62 R 2	996481.52	2544793.53
P.T.	542+88.74 R 2	996478.09	2544499.40
P.O.T.	566+44.17 R 2	996450.38	2542144.13

- BM*23-TOP POINT ROW MARKER
LT STA 277+08
ELEV 674.56
- BM*24-MAG NAIL IN 18"Ø CMP
RT STA 294+77
ELEV 674.89
- BM*25-MAG NAIL IN 18"Ø CMP
LT STA 310+49
ELEV 671.40
- BM*26-MAG NAIL IN 18"Ø CMP
LT STA 328+39
ELEV 666.61
- BM*27-MAG NAIL IN 15"Ø CMP
RT STA 338+33
ELEV 663.48
- BM*28-CUT "Ø" ON HEADWALL
LT STA 353+79
ELEV 663.37
- BM*29-MAG NAIL IN 18"Ø CMP
RT STA 364+03
ELEV 662.22
- BM*30-CUT "Ø" ON HEADWALL
RT STA 383+64
ELEV 663.68

- BM*31-MAG NAIL IN 15"Ø CMP
RT STA 395+96
ELEV 662.14
- BM*32-CUT "Ø" ON HEADWALL
LT STA 411+87
ELEV 654.48
- BM*33-MAG NAIL IN 15"Ø CMP
LT STA 433+47
ELEV 652.90
- BM*34-MAG NAIL IN 15"Ø CMP
LT STA 447+57
ELEV 644.20
- BM*35-CUT "Ø" ON HEADWALL
LT STA 458+22
ELEV 649.00
- BM*36-MAG NAIL IN 12"Ø CMP
LT STA 469+71
ELEV 652.34
- BM*37-MAG NAIL IN 24"Ø CMP
RT STA 479+53
ELEV 650.05
- BM*38-MAG NAIL IN 36"Ø CMP
RT STA 498+19
ELEV 637.19

- BM*39-MAG NAIL IN 12"Ø CMP
RT STA 512+74
ELEV 645.35
- BM*40-CUT "+" ON 15"Ø CONCRETE
LT STA 526+61
ELEV 647.88
- BM*41-CUT "Ø" ON HEADWALL
LT STA 535+08
ELEV 646.31
- BM*42-CUT "Ø" ON HEADWALL
RT STA 548+09
ELEV 634.64
- BM*43-MAG SPIKE IN POWER POLE
LT STA 560+85
ELEV 622.42
- BM*44-MAG SPIKE IN POWER POLE
LT STA 566+01
ELEV 621.85

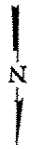


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PLOT DATE : 4/22/2016	DATE - 4/20/2016	REVISED -

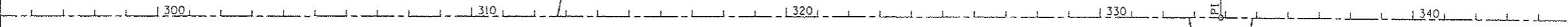
**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

ALIGNMENT	
SCALE:	TO STA.
SHEET NO. 1 OF 4 SHEETS	

F.A.S. RTE. 732	SECTION 14-00040-04-R5	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 10
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 93684				



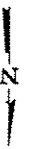
MATCH LINE STA 295+00



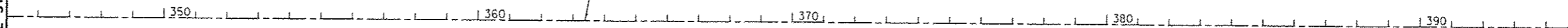
CH 12

PI Sta. 333+85.29
179°34'10"

MATCH LINE STA 345+00



MATCH LINE STA 345+00



CH 12

MATCH LINE STA 395+00



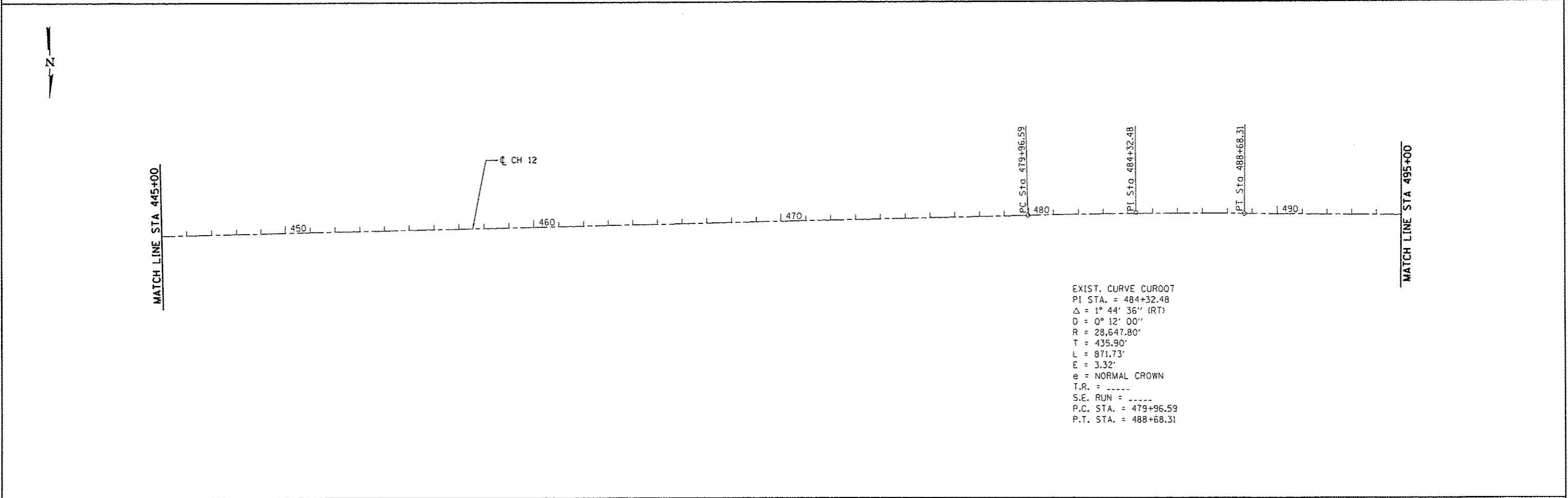
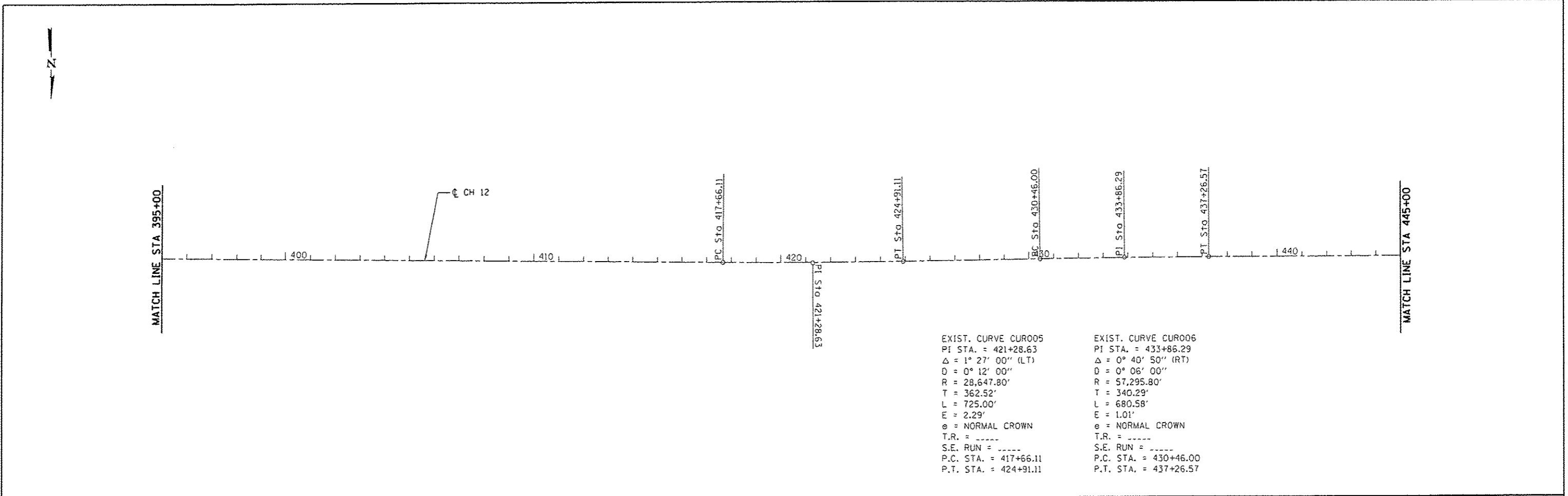
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PLOT DATE = 4/22/2016	DATE - 4/20/2016	REVISED -

CHRISTIAN COUNTY
CH 12 IMPROVEMENTS

ALIGNMENT

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93684	



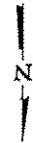
CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

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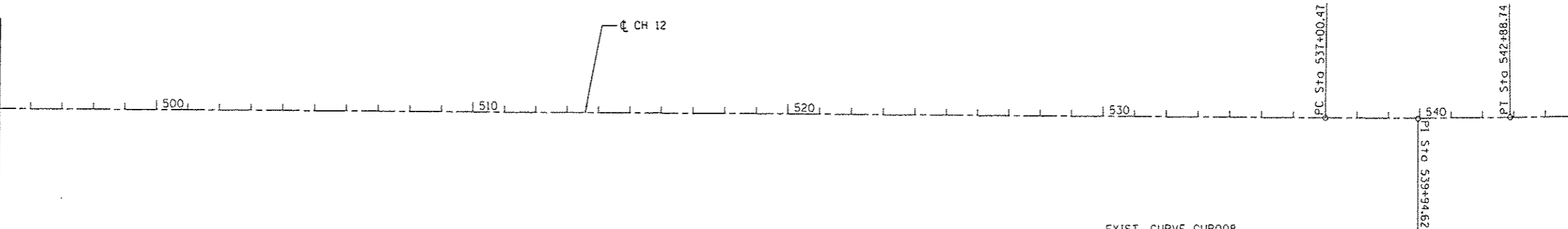
**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

ALIGNMENT			
SCALE:	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.

F.A.S. RTE. 732	SECTION 14-00040-04-RS	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 93684				

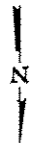


MATCH LINE STA 495+00

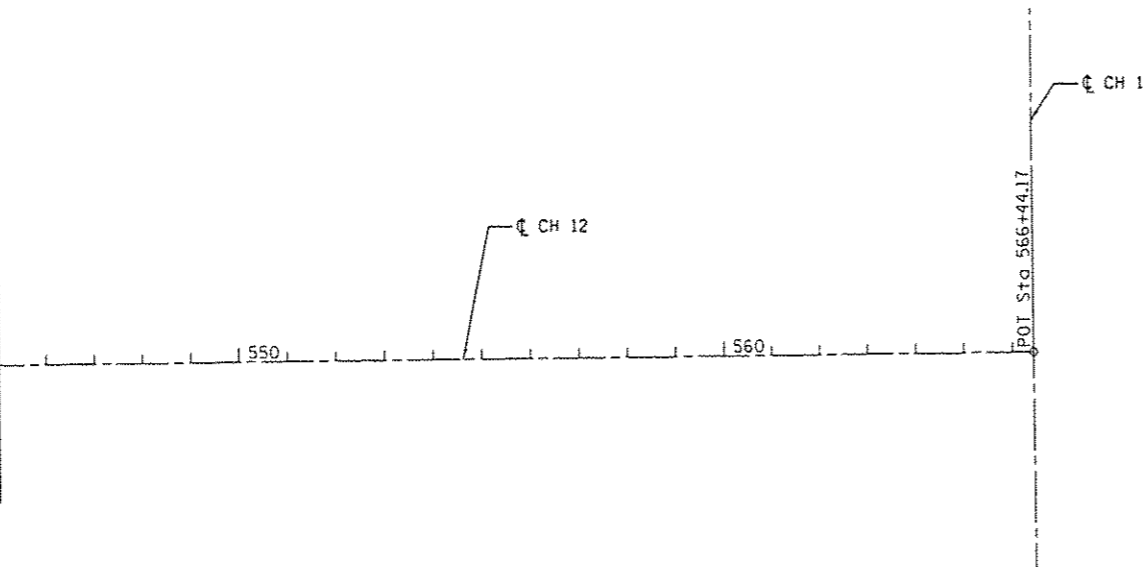


EXIST. CURVE CUR008
 PI STA. = 539+94.62
 Δ = 1° 10' 36" (L.T)
 D = 0° 12' 00"
 R = 28,647.80'
 T = 294.14'
 L = 588.27'
 E = 1.51'
 e = NORMAL CROWN
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 537+00.47
 P.T. STA. = 542+88.74

MATCH LINE STA 545+00



MATCH LINE STA 545+00



**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

ALIGNMENT

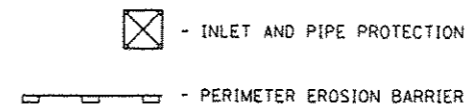
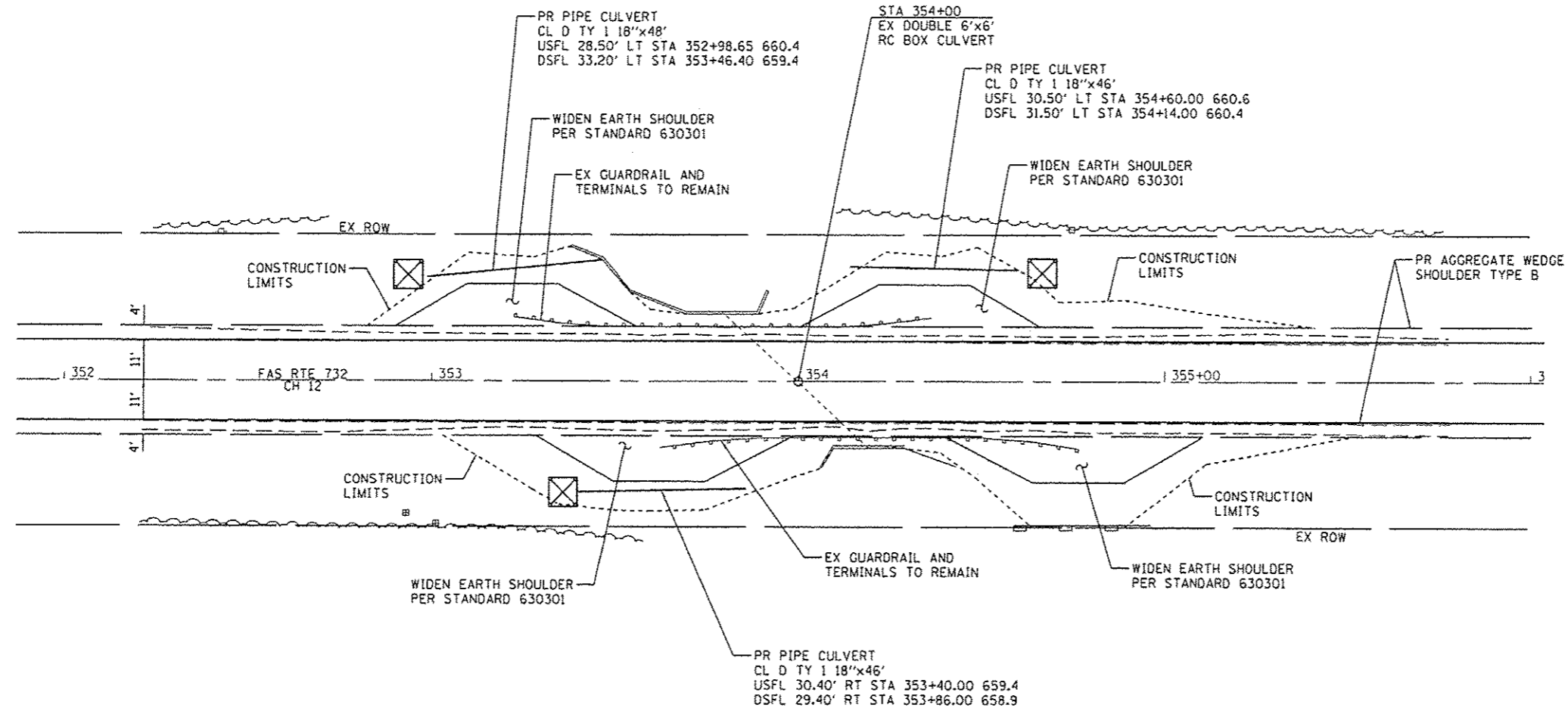
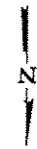
CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

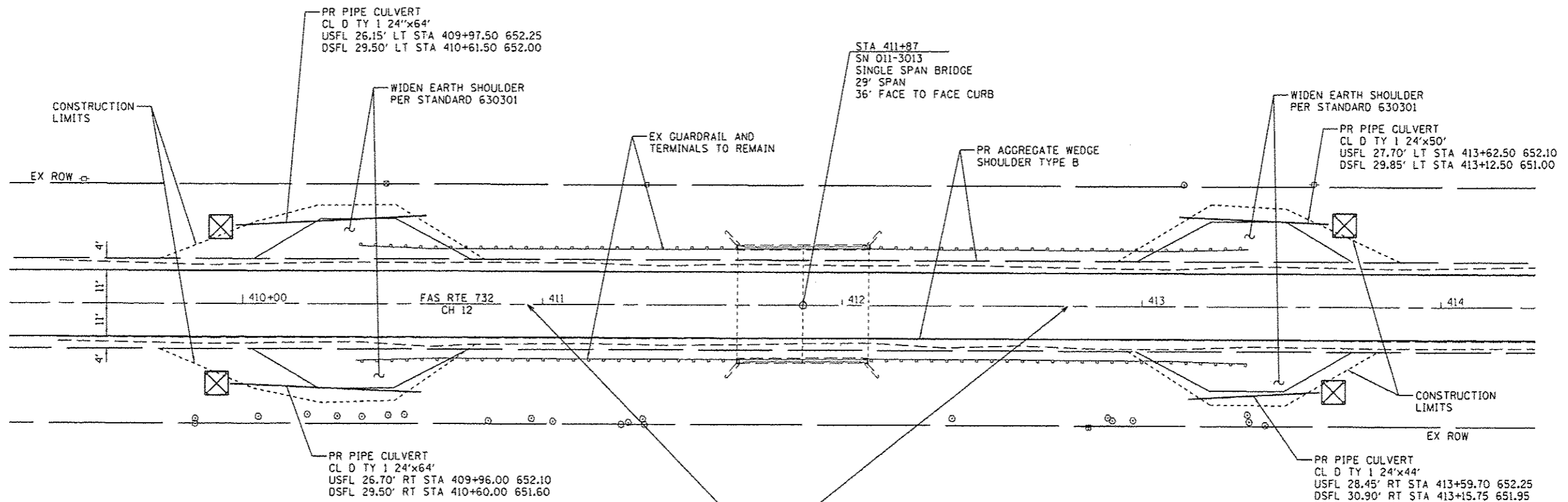
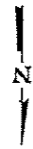
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PLOT DATE : 4/22/2016	DATE - 4/20/2016	REVISED -

SCALE:	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-R5	CHRISTIAN	33	13
CONTRACT NO. 93684				

FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
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STA 410+95 TO STA 412+79
 COLD IN-PLACE RECYCLING SHALL BE OMITTED IN THIS AREA. HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE-DEPTH WILL BE DONE BETWEEN STA 410+95 TO STA 411+65 AND STA 412+09 TO 412+79. HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" WILL BE DONE BETWEEN STA 411+65 TO STA 412+09. HOT-MIX ASPHALT THICKNESS WILL VARY FROM 3 1/4" TO 1 1/2" FROM STA 410+95 TO 411+65. HOT-MIX ASPHALT WILL BE PLACED ACROSS SN 011-3013 TO A THICKNESS OF 1 1/2". THE THICKNESS OF HOT-MIX ASPHALT WILL VARY FROM 1 1/2" TO 3 1/4" FROM STA 412+09 TO STA 412+79. THIS WORK SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER

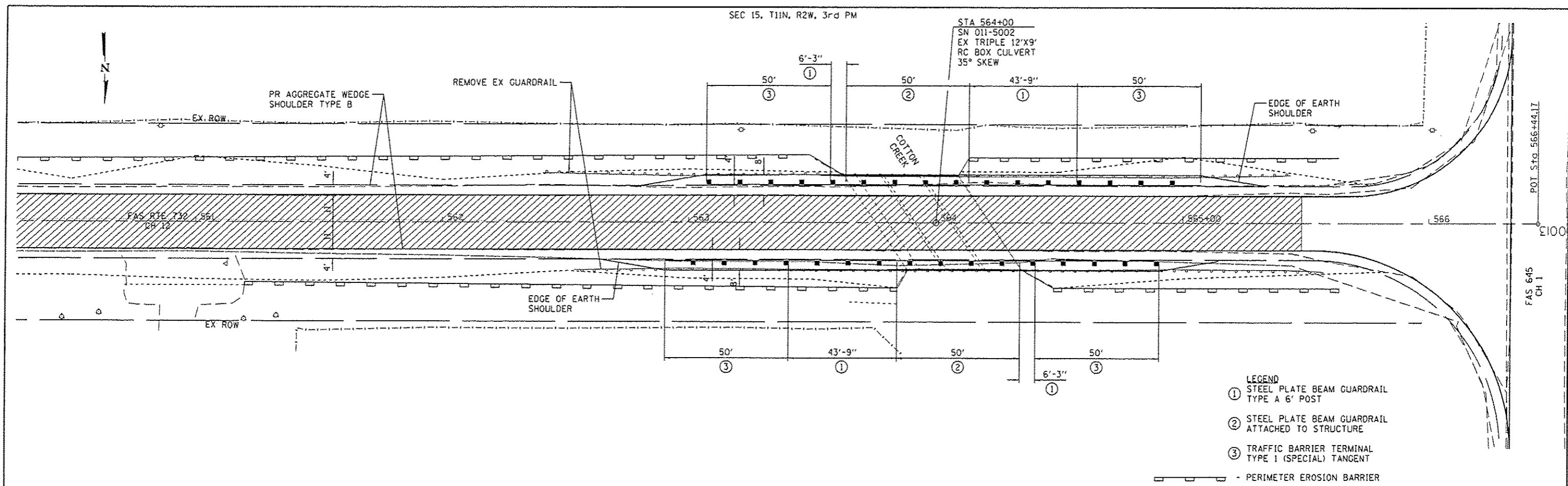
ESTIMATED QUANTITY CHANGES
 COLD IN-PLACE RECYCLING -450 SY
 HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH +342 SY
 HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" +108 SY
 HOT-MIX ASPHALT -27 TON

- INLET AND PIPE PROTECTION

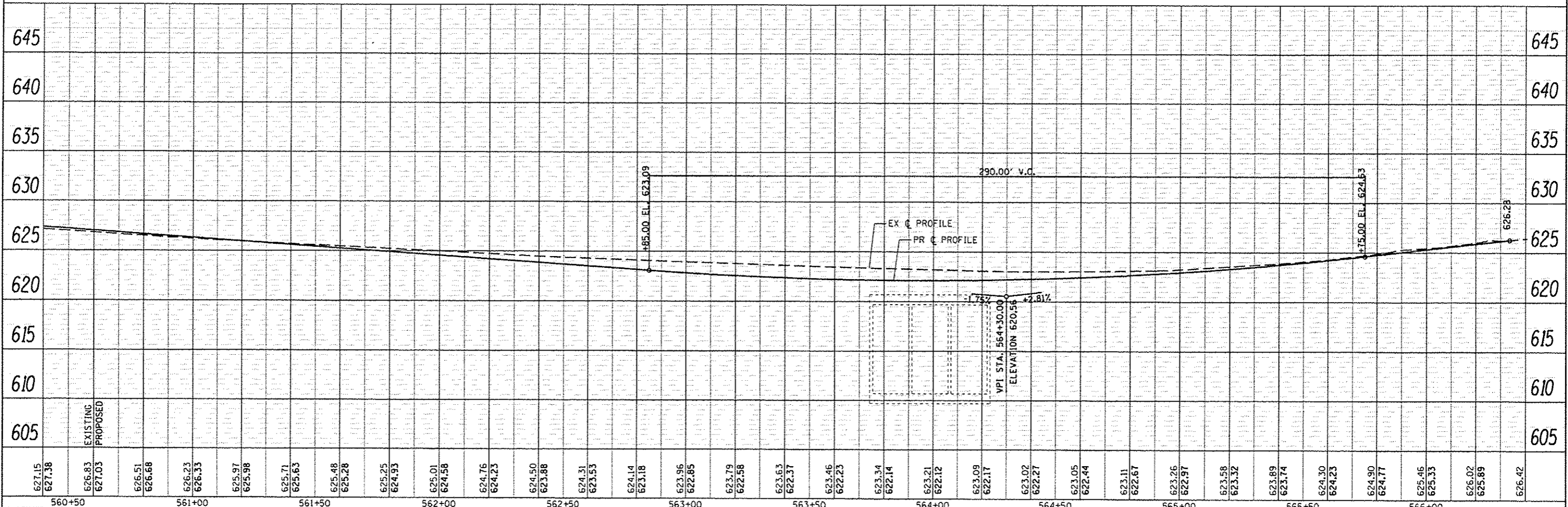
STA 564+00
SN 011-5002
EX TRIPLE 12'X9'
RC BOX CULVERT
35° SKEW

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

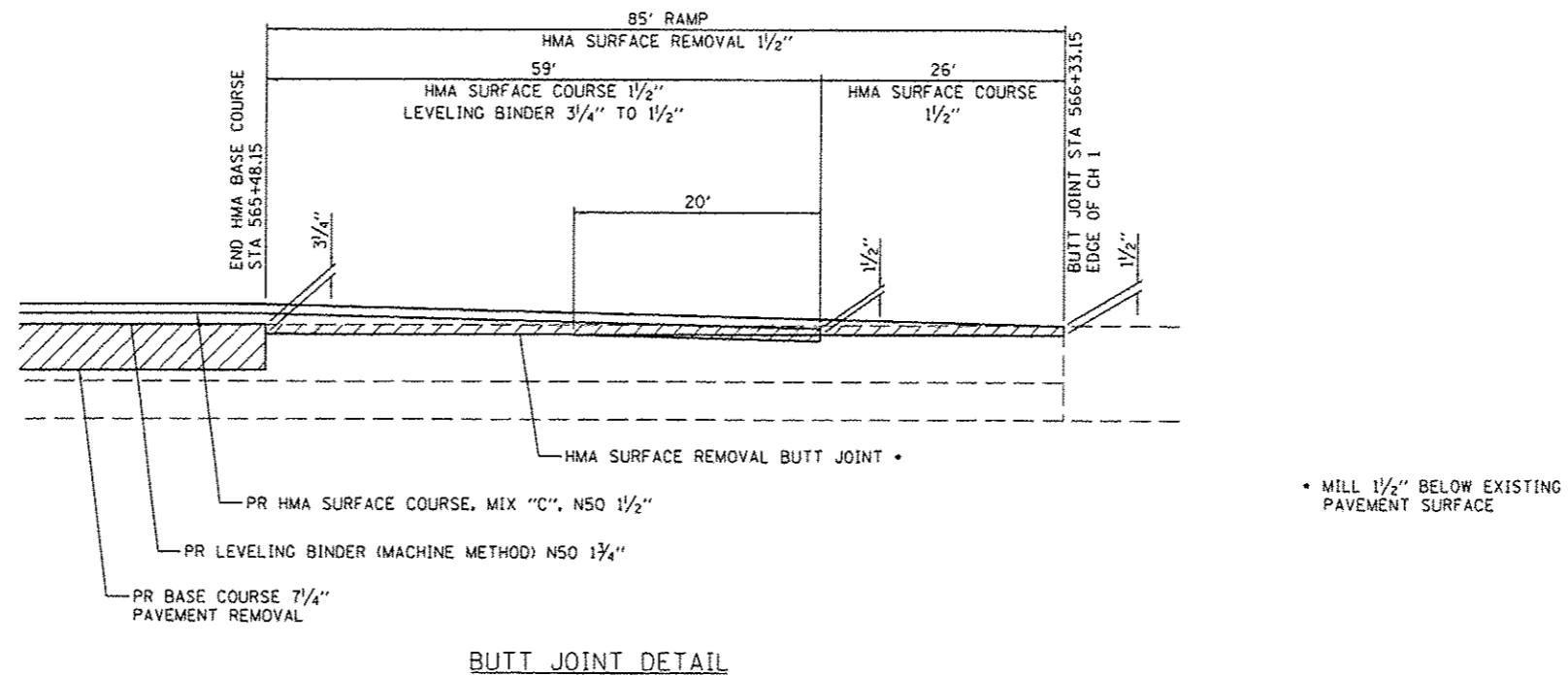
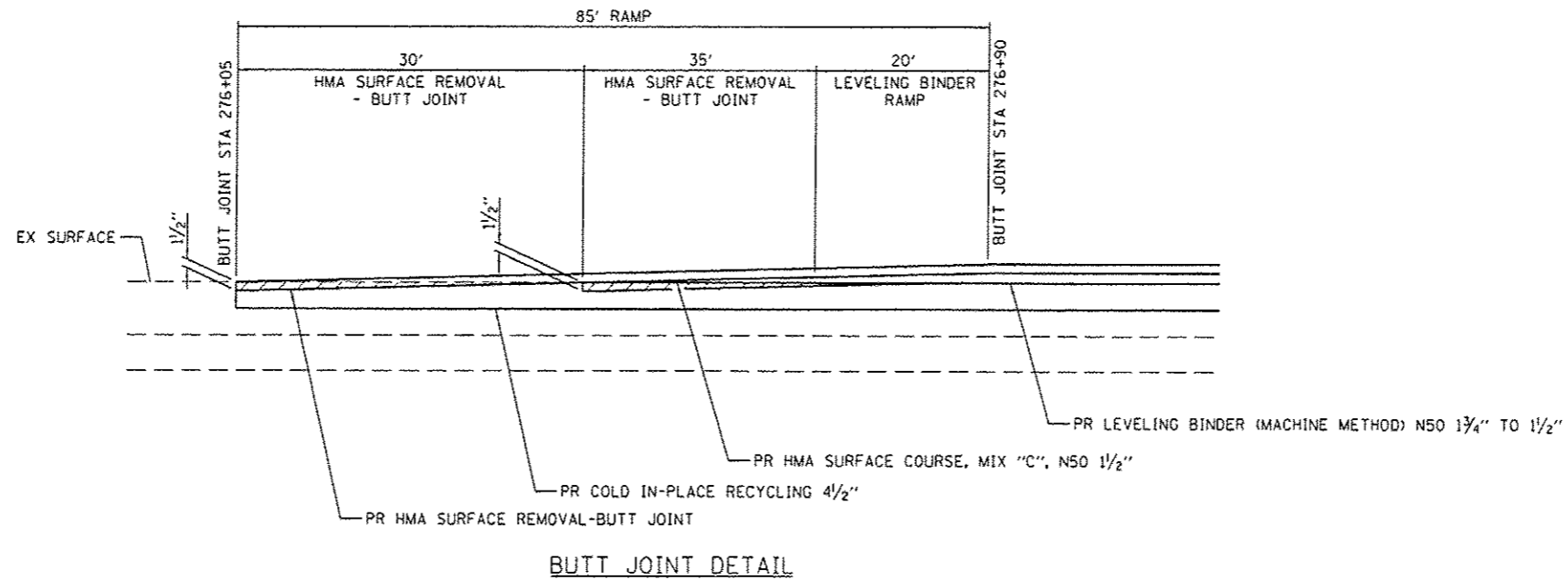
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



- LEGEND**
- ① STEEL PLATE BEAM GUARDRAIL TYPE A 6' POST
 - ② STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE
 - ③ TRAFFIC BARRIER TERMINAL TYPE I (SPECIAL) TANGENT
- PERIMETER EROSION BARRIER

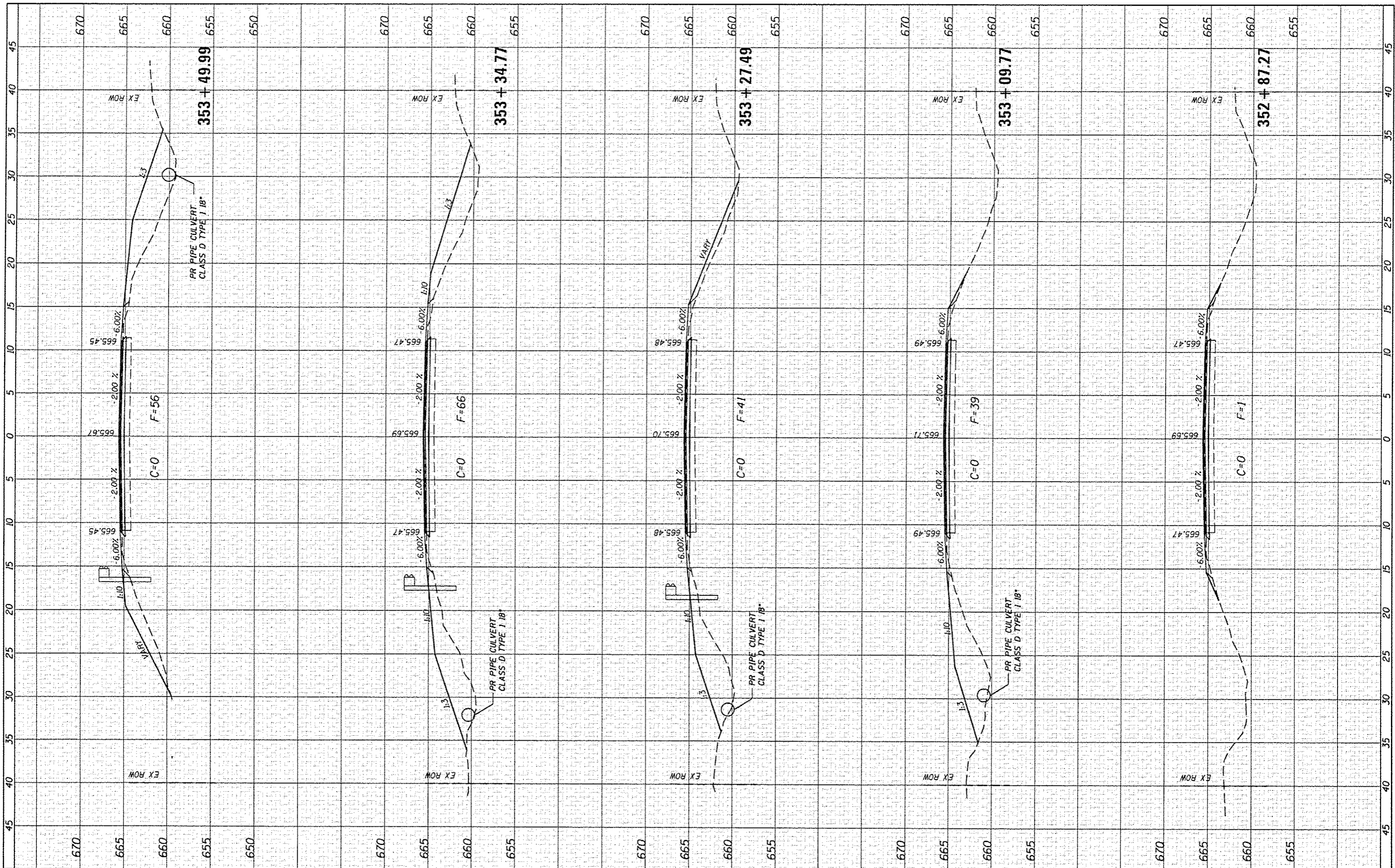


CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2349 FILE NAME = 2349-ahc-plan17.dgn PLOT SCALE = 48.0000' / 1"	DESIGNED - NAK DRAWN - SJS CHECKED - NAK DATE - 4/20/2016	REVISED - REVISED - REVISED - REVISED -	CHRISTIAN COUNTY CH 12 IMPROVEMENTS		PLAN AND PROFILE		F.A.S. RTE. 732 SECTION 14-00040-04-RS COUNTY CHRISTIAN TOTAL SHEETS 33 SHEET NO. 17	CONTRACT NO. 93684 ILLINOIS FED. AID PROJECT
	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____								



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

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



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 2349-sh11.xsec.dgn
PLOT SCALE = 1/8" = 1' @ 11"
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

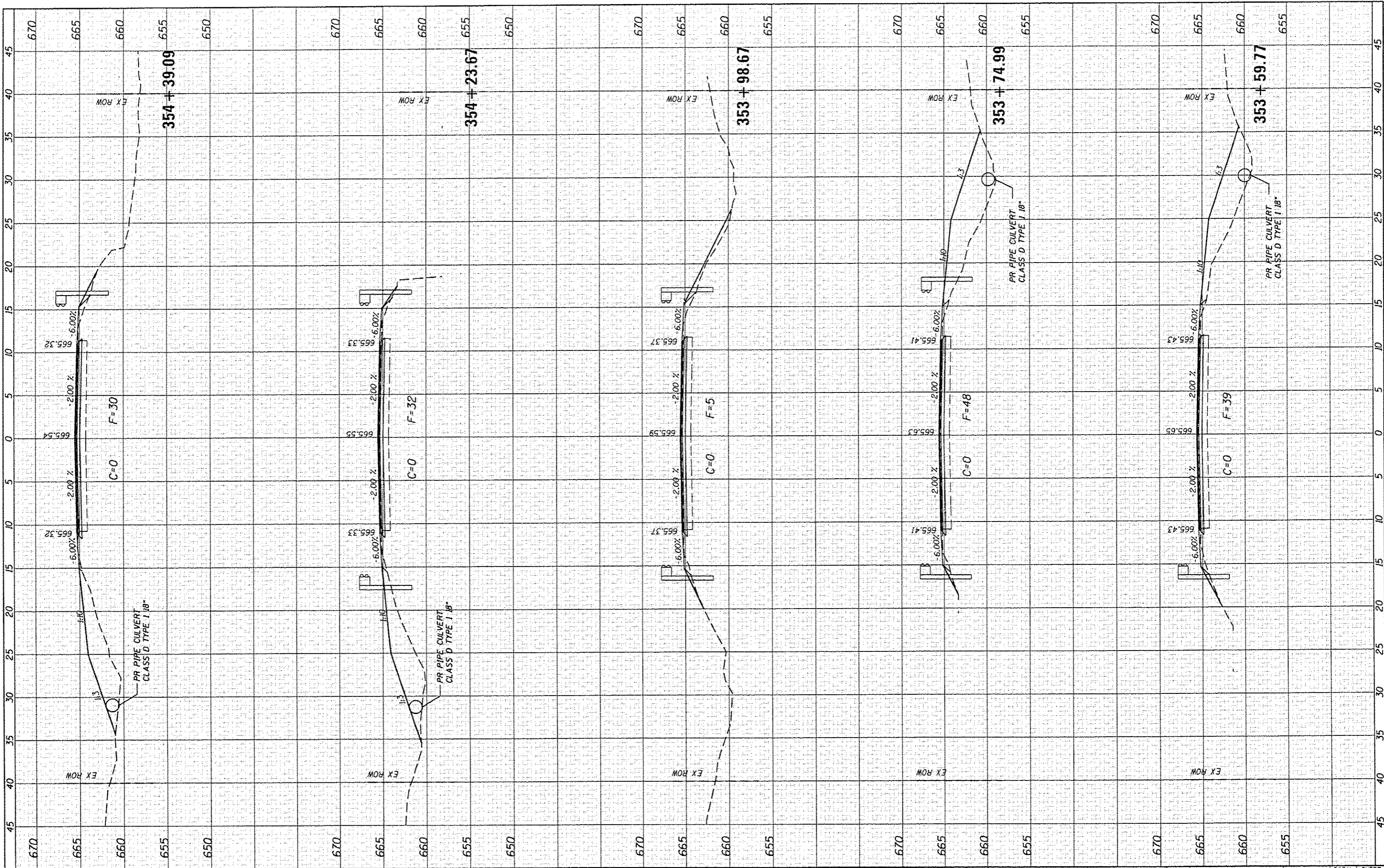
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 352+87.27 TO STA. 353+49.99

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-R5	CHRISTIAN	33	19
FED. ROAD DIST. NO.			CONTRACT NO. 93684	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SKIPPED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
SKIPPED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB #	2349
FILE NAME	2349-ah-1-nac.dgn
PLOT SCALE	1/8" = 1' / 1/4" = 1'
PLOT DATE	4/22/2016
DESIGNED	NAK
DRAWN	SJS
CHECKED	NAK
DATE	4/20/2016

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

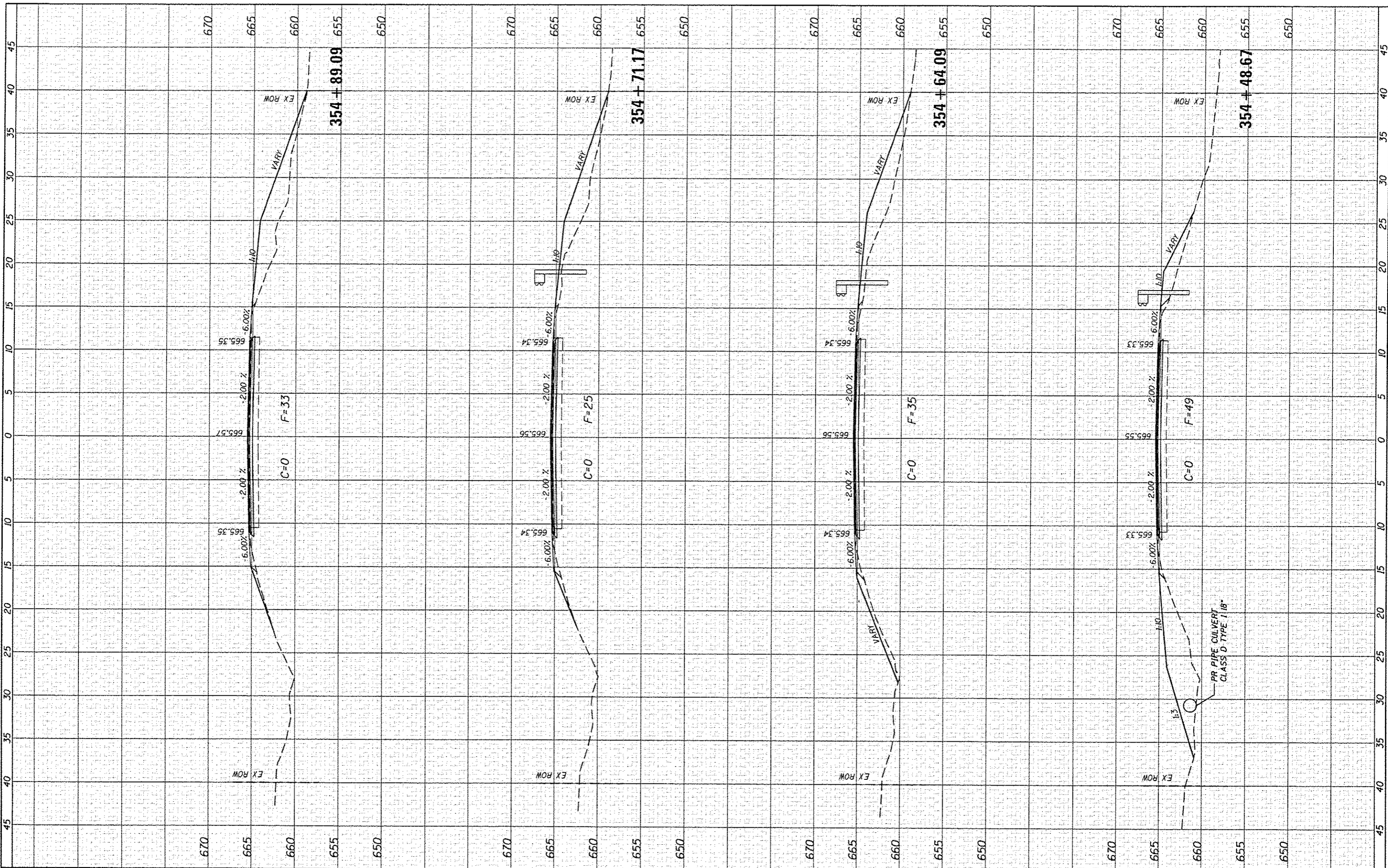
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 353+59.77 TO STA. 354+39.09

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	20
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 93684	

FINAL SURVEY	SURVEYED	DATE
PLOTTED	BY	
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	DATE
PLOTTED	BY	
NOTE BOOK		
AREAS CHECKED		



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-shr***.dgn
PLOT SCALE = 10.0000' / 1" =
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

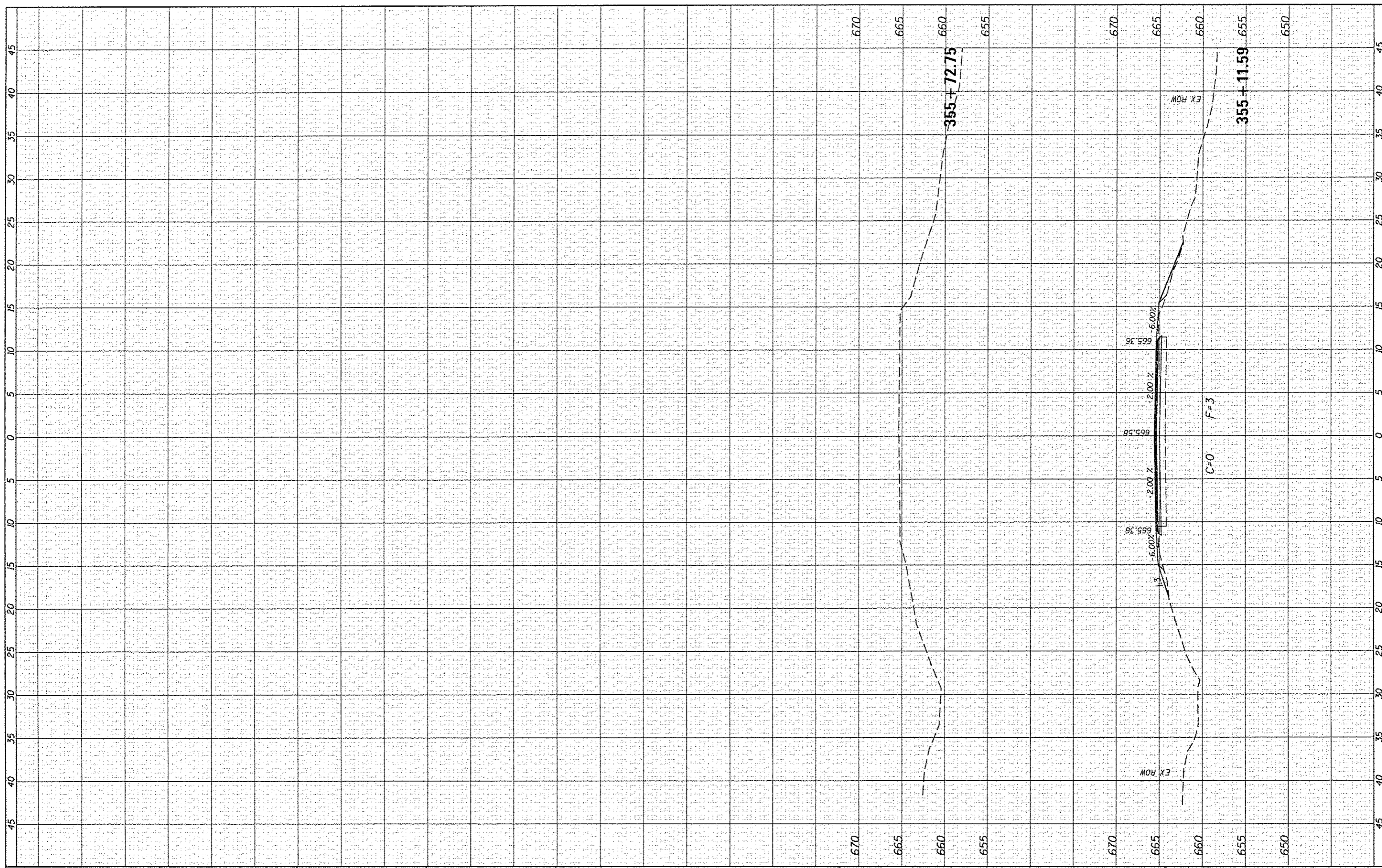
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 354+48.67 TO STA. 354+89.09

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-R5	CHRISTIAN	33	21
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93684	

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

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



JOB # 2349
 FILE NAME = 2349-ahv-4000.dgn
 PLOT SCALE = 10.0000" = 1'-0"
 PLOT DATE = 4/22/2016

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

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

CROSS SECTIONS

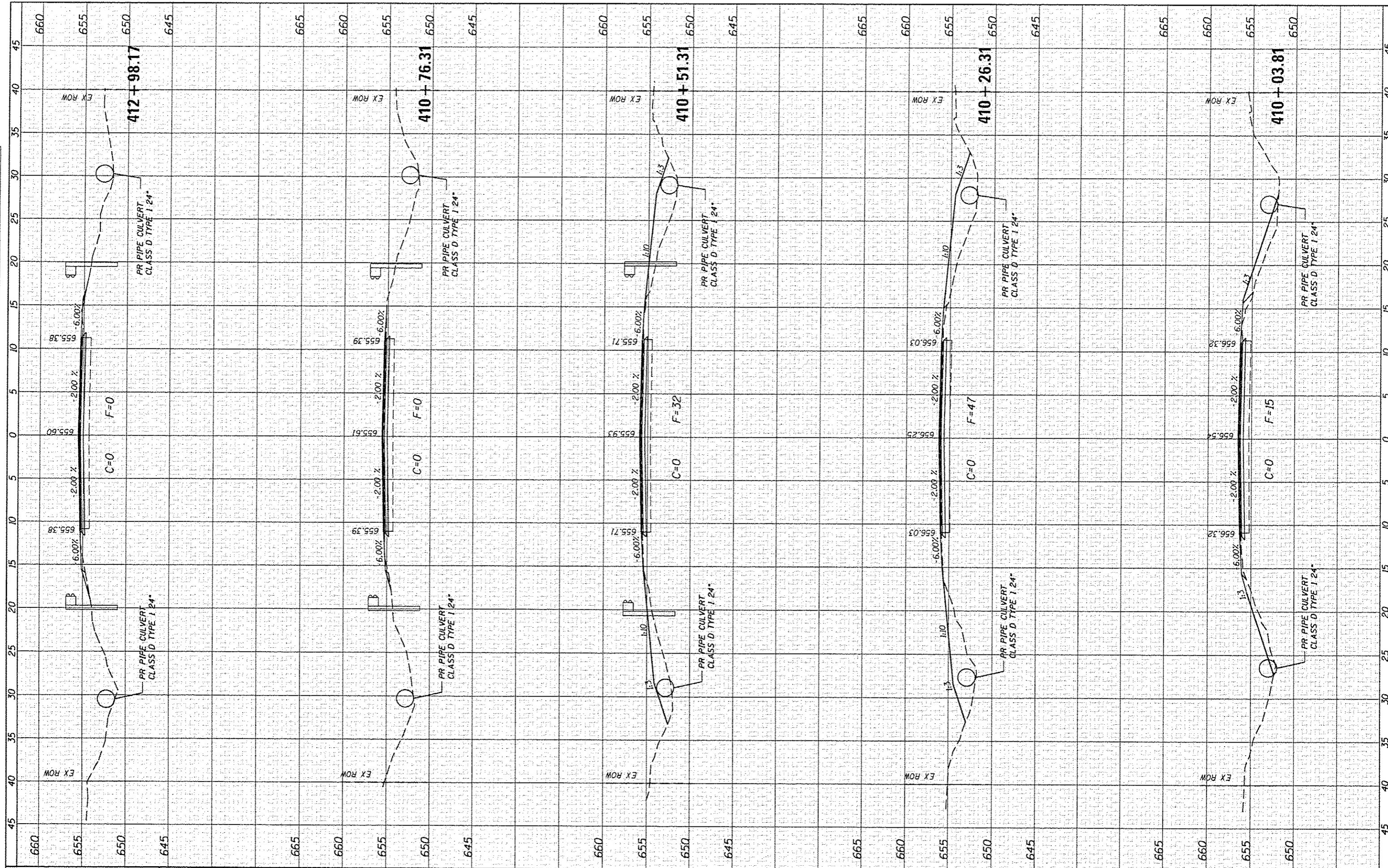
SCALE: SHEET NO. OF SHEETS STA. 355+11.59 TO STA. 355+72.75

F.A.S. RTE. 732	SECTION 14-00040-04-RS	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 22
CONTRACT NO. 93684				

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

FINAL SURVEY	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEY		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		



JOB # 2349
 FILE NAME = 2349-shc-nac.dgn
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 4/22/2016

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

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CHRISTIAN COUNTY
 CH 12 IMPROVEMENTS**

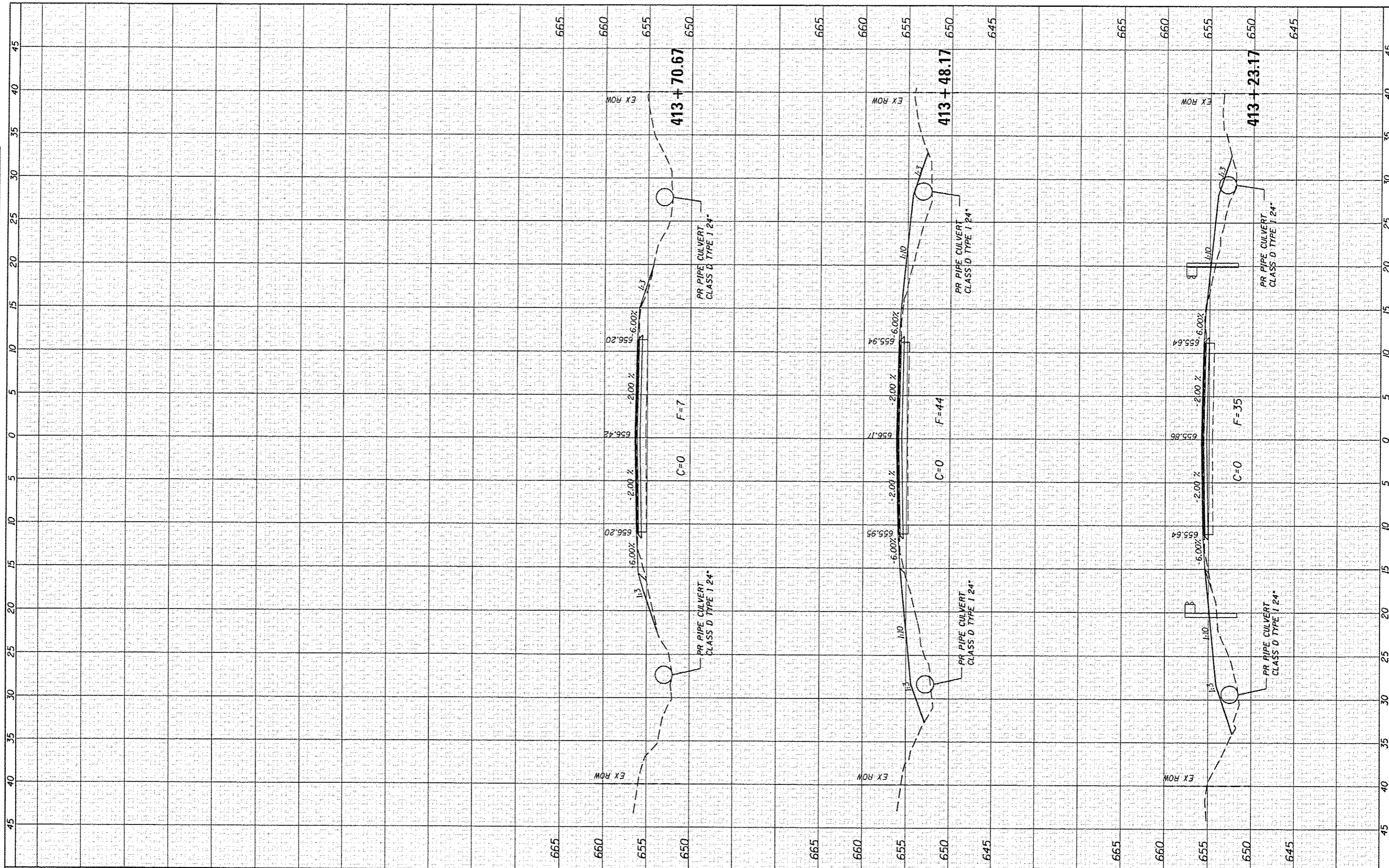
SCALE: SHEET NO. OF SHEETS STA. 410+03.81 TO STA. 412+98.17

CROSS SECTIONS

F.A.S. RTE. 732	SECTION 14-00040-04-RS	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93684	

FINISH	STARTED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	DATE
SURVEY	
NOTE BOOK	
NO.	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-ht-100.dgn
PLOT SCALE = 1/8" = 1' / in.
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

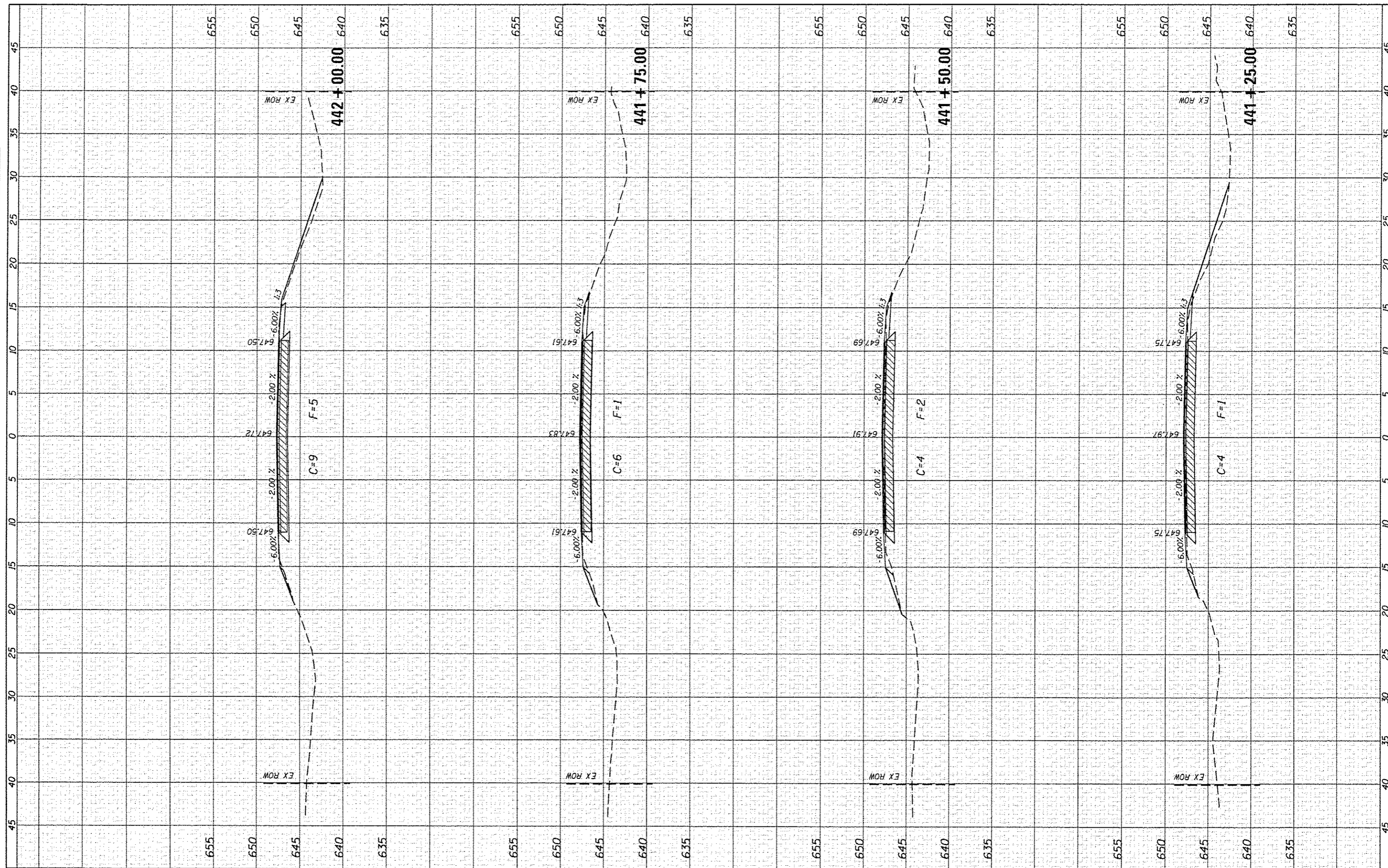
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 413+23.17 TO STA. 413+70.67

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93684	

FINL	DATE
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NO.	

ORIGINAL	DATE
SURV	
PLOTT	
NOTE	
BOOK	
AREAS	
CHECKED	
NO.	



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB #	2349	DESIGNED	NAK	REVISED	-
FILE NAME	2349-shl-rsac.dgn	DRAWN	SJS	REVISED	-
PLOT SCALE	1/8" = 1'-0"	CHECKED	NAK	REVISED	-
PLOT DATE	4/22/2016	DATE	4/20/2016	REVISED	-

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

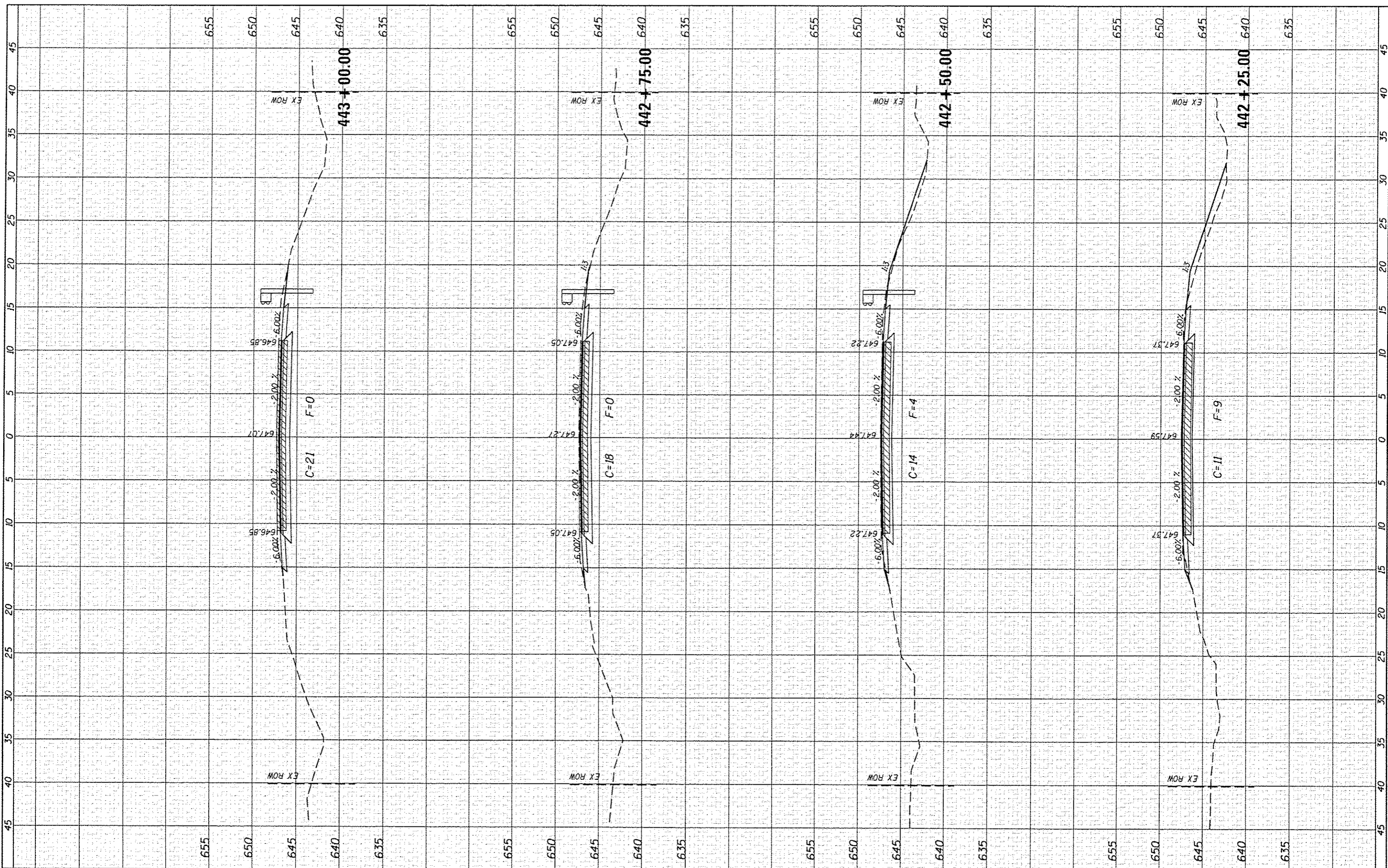
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 441+25.00	TO STA. 442+00.00
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93684		

DATE	
BT	
NO.	
AREAS CHECKED	
NOTE BOOK	
TEMPERATURE	
PLOTTED	
SURVEY	
FINAL	
NO.	

DATE	
BT	
NO.	
AREAS CHECKED	
NOTE BOOK	
TEMPERATURE	
PLOTTED	
SURVEY	
ORIGINAL	
NO.	



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 2349-shs-xsec.dgn
PLOT SCALE = 1/8" = 1' / in.
PLOT DATE = 4/20/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

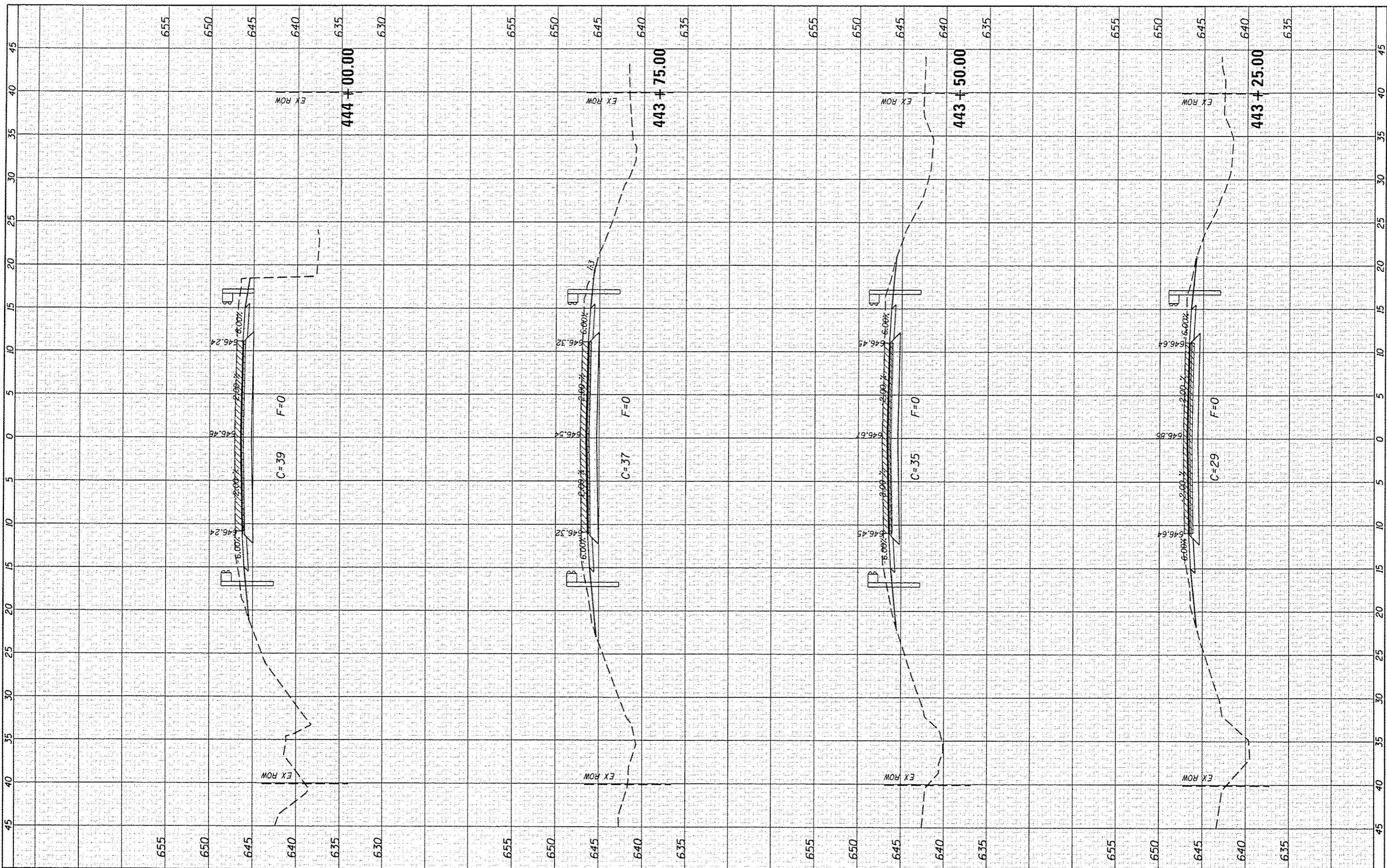
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 442+25.00 TO STA. 443+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93684		

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME # 2349-sh1-xaac.dgn
PLOT SCALE = 10.0000' / 1" =
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

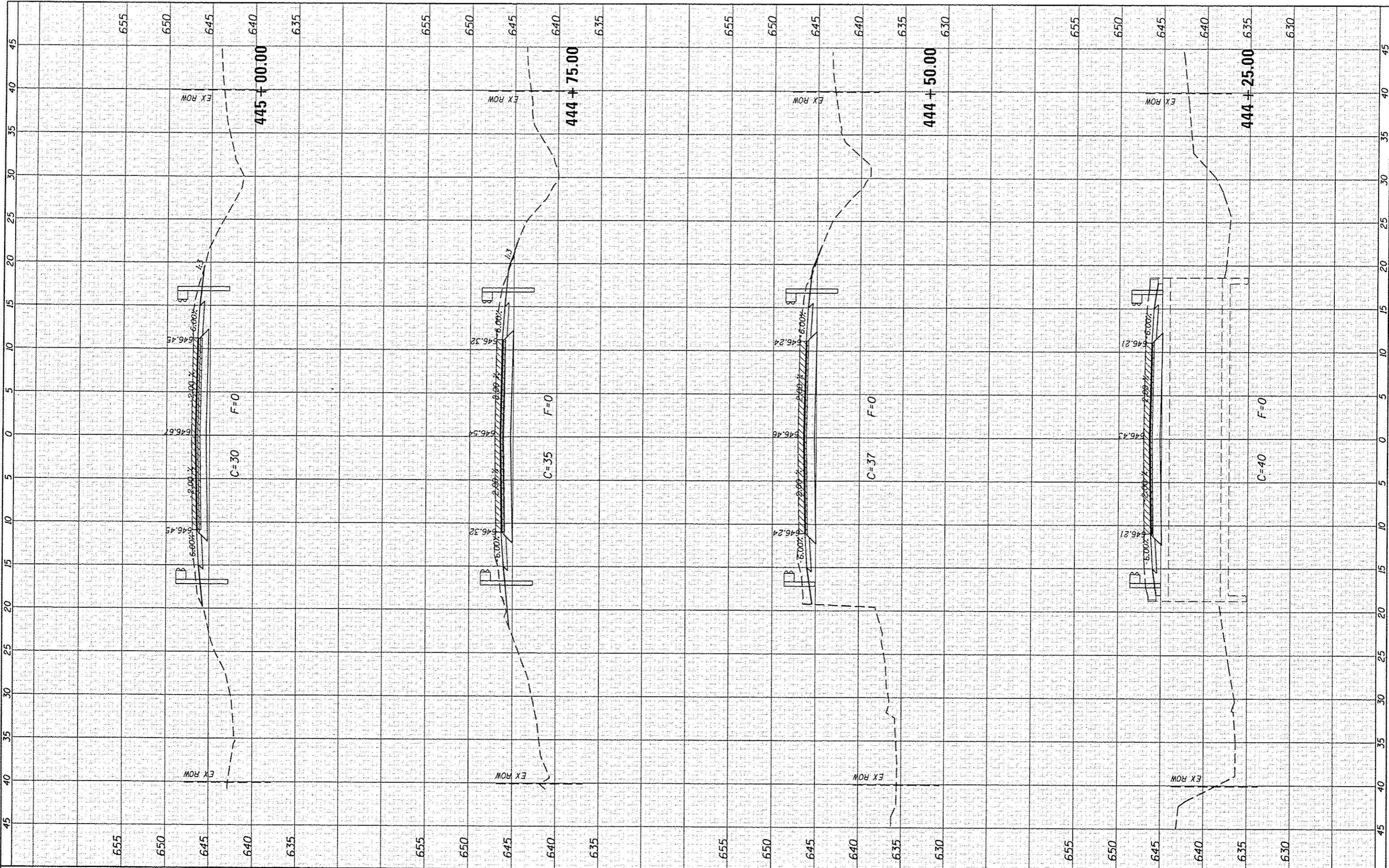
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 443+25.00 TO STA. 444+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93684	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-ahh-*.dgn
PLOT SCALE = 1/8" = 1' / in.
PLOT DATE = 4/20/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

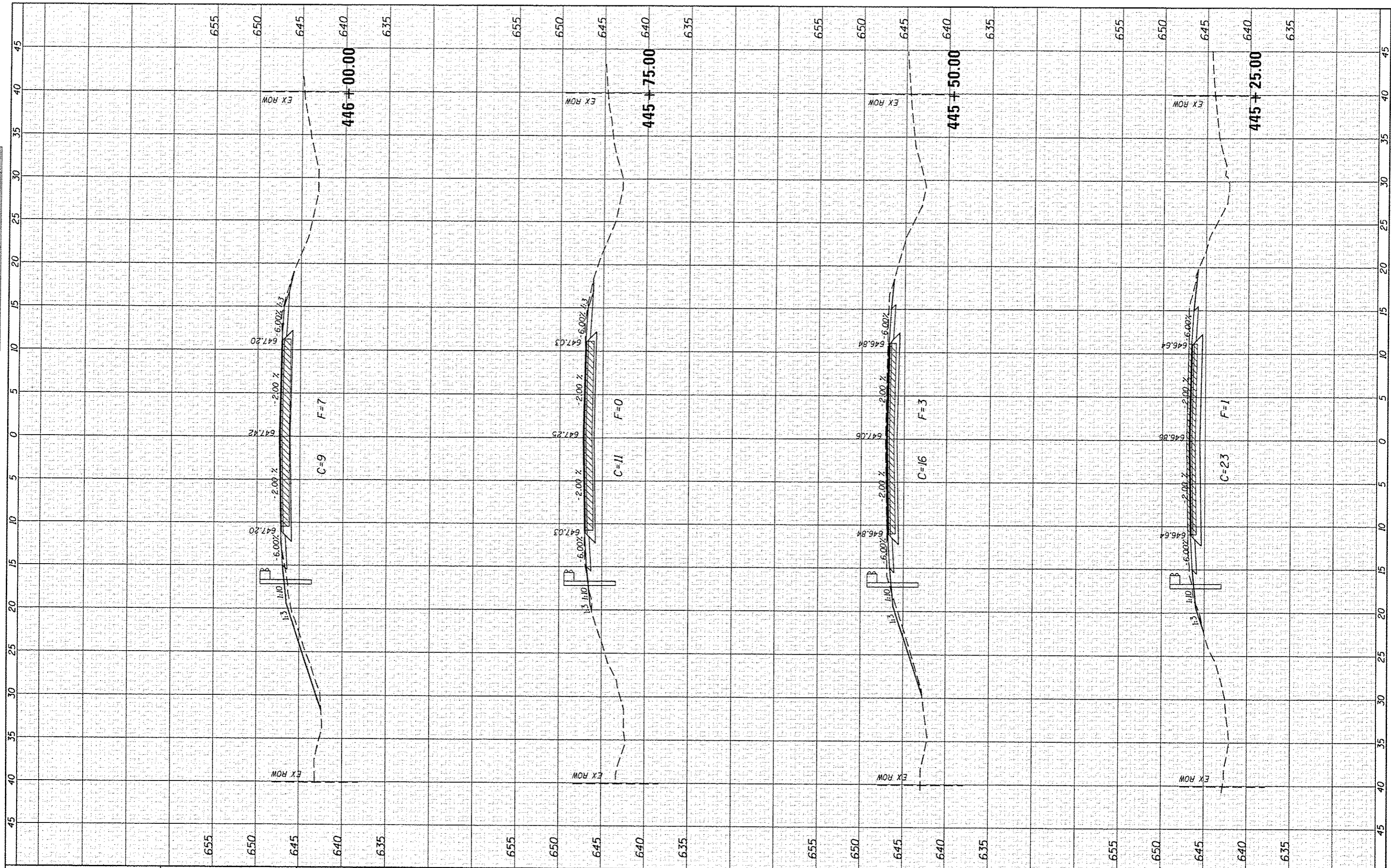
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 444+25.00 TO STA. 445+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	28
CONTRACT NO. 93684				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 2349-cht-xsec.dgn
PLDT SCALE = 10.0000' / 1"
PLDT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

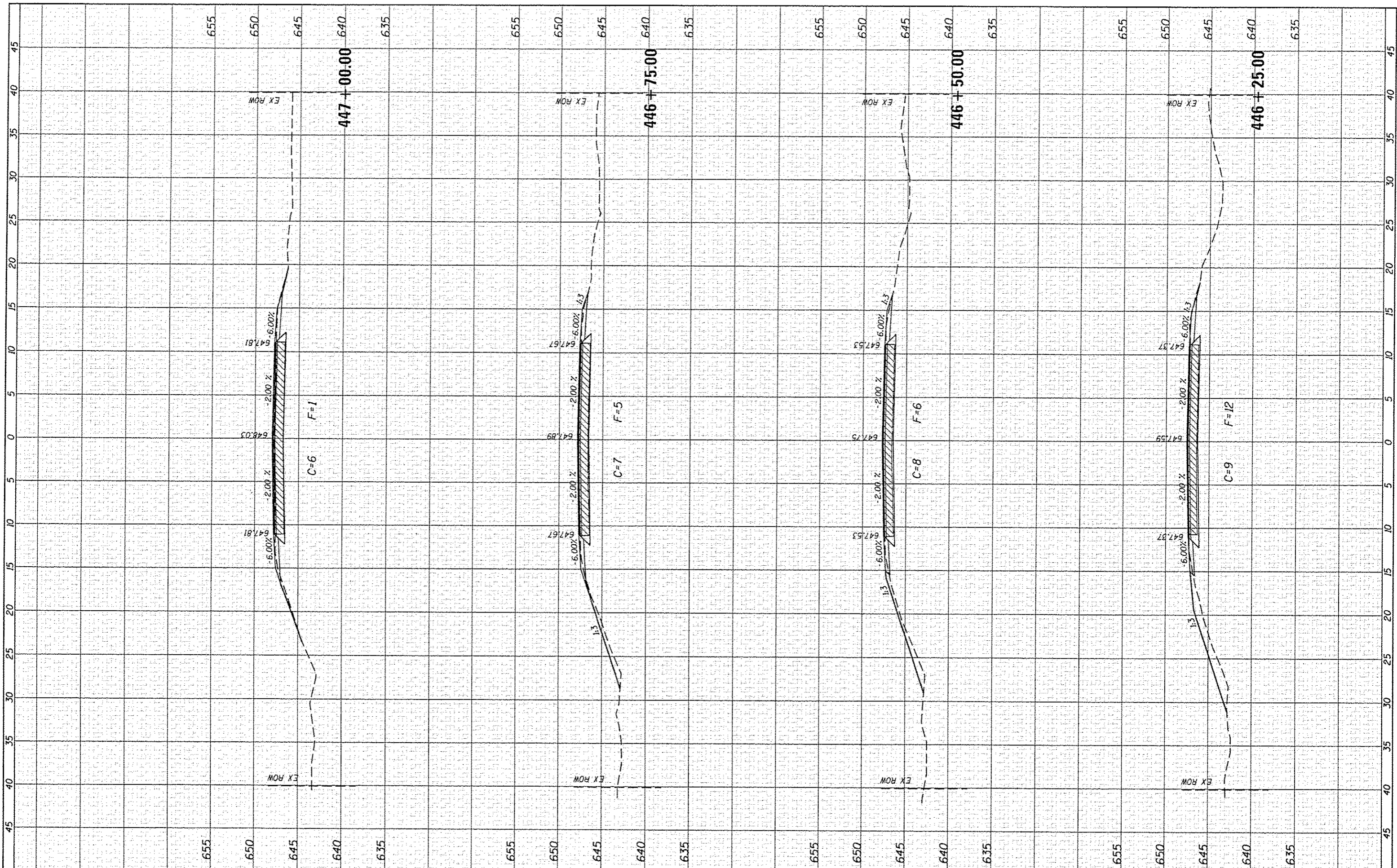
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 445+25.00 TO STA. 446+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93684	

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 2349-sh1-www.dgn
PLOT SCALE = 1/8" = 1' / in.
PLOT DATE = 4/22/2016

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

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

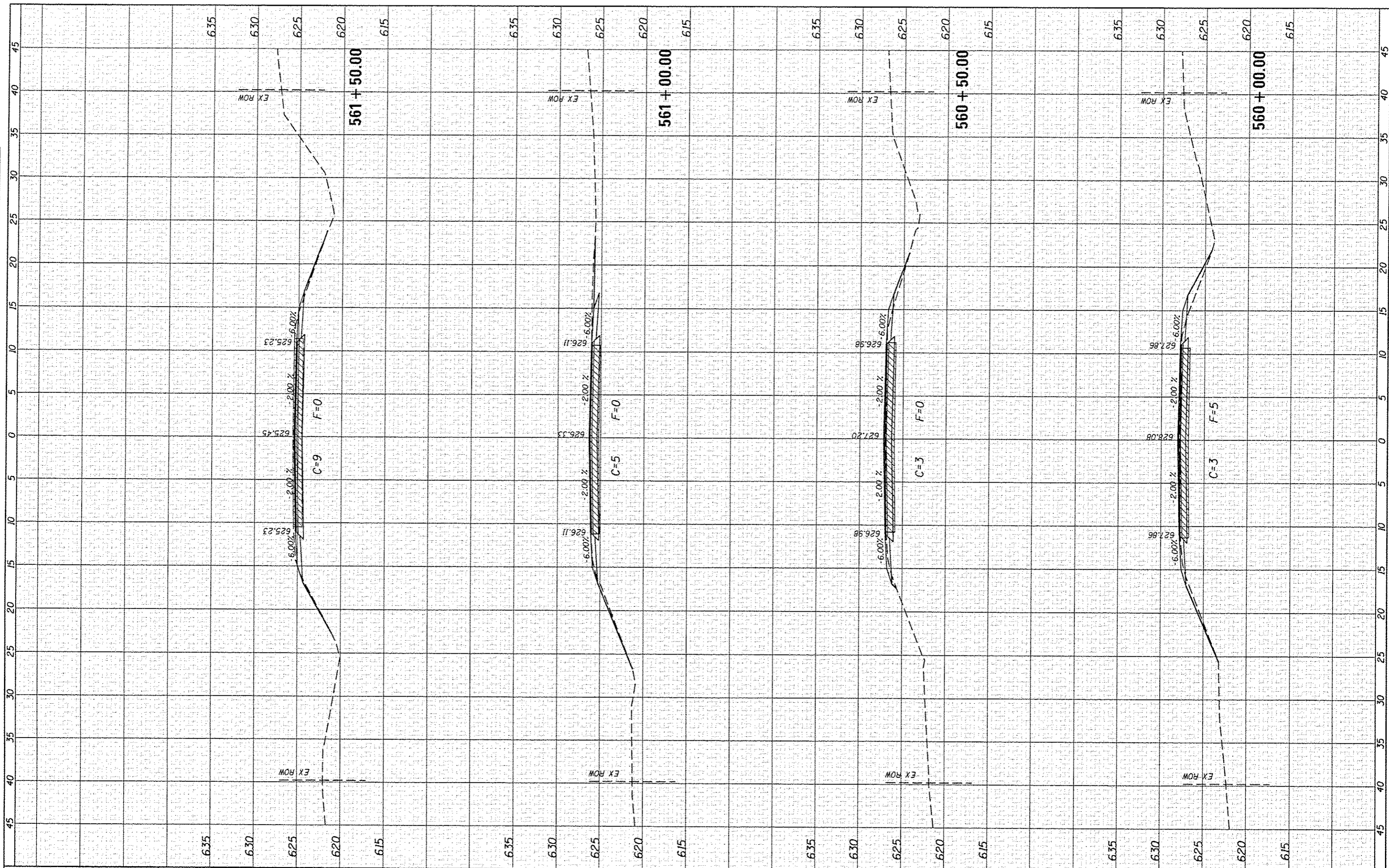
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 446+25.00 TO STA. 447+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93684	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2349
FILE NAME = 2349-ah1-ss02.dgn
PLOT SCALE = 10.0000' / 1" = 1000
PLOT DATE = 4/20/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

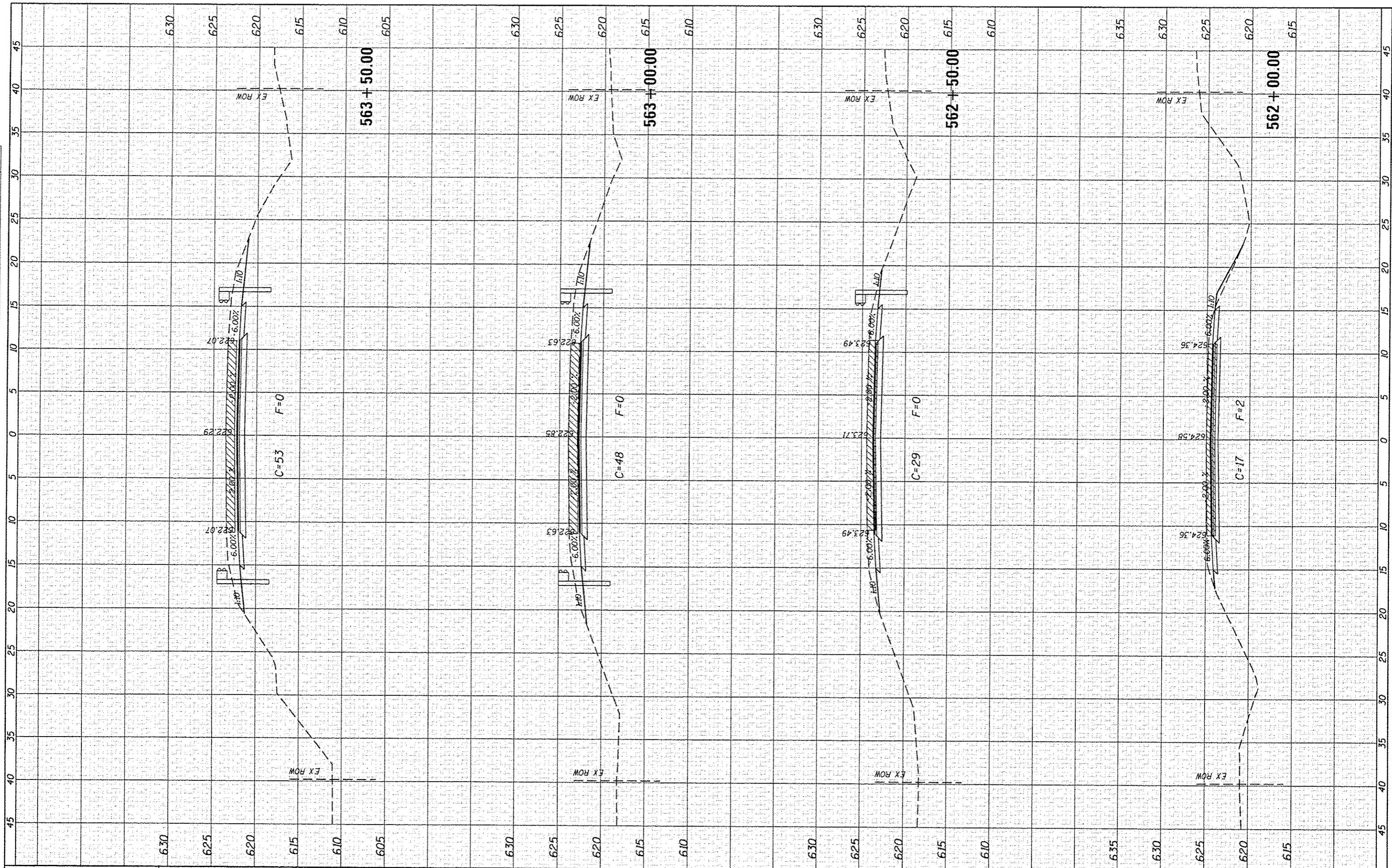
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 560+00.00 TO STA. 561+50.00

F.A.S. RT. 732	SECTION 14-00040-04-RS	COUNTY CHRISTIAN	TOTAL SHEETS 33	SHEET NO. 31
CONTRACT NO. 93684				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-ah-rssec.dgn
PLOT SCALE = 10.0000' / in.
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

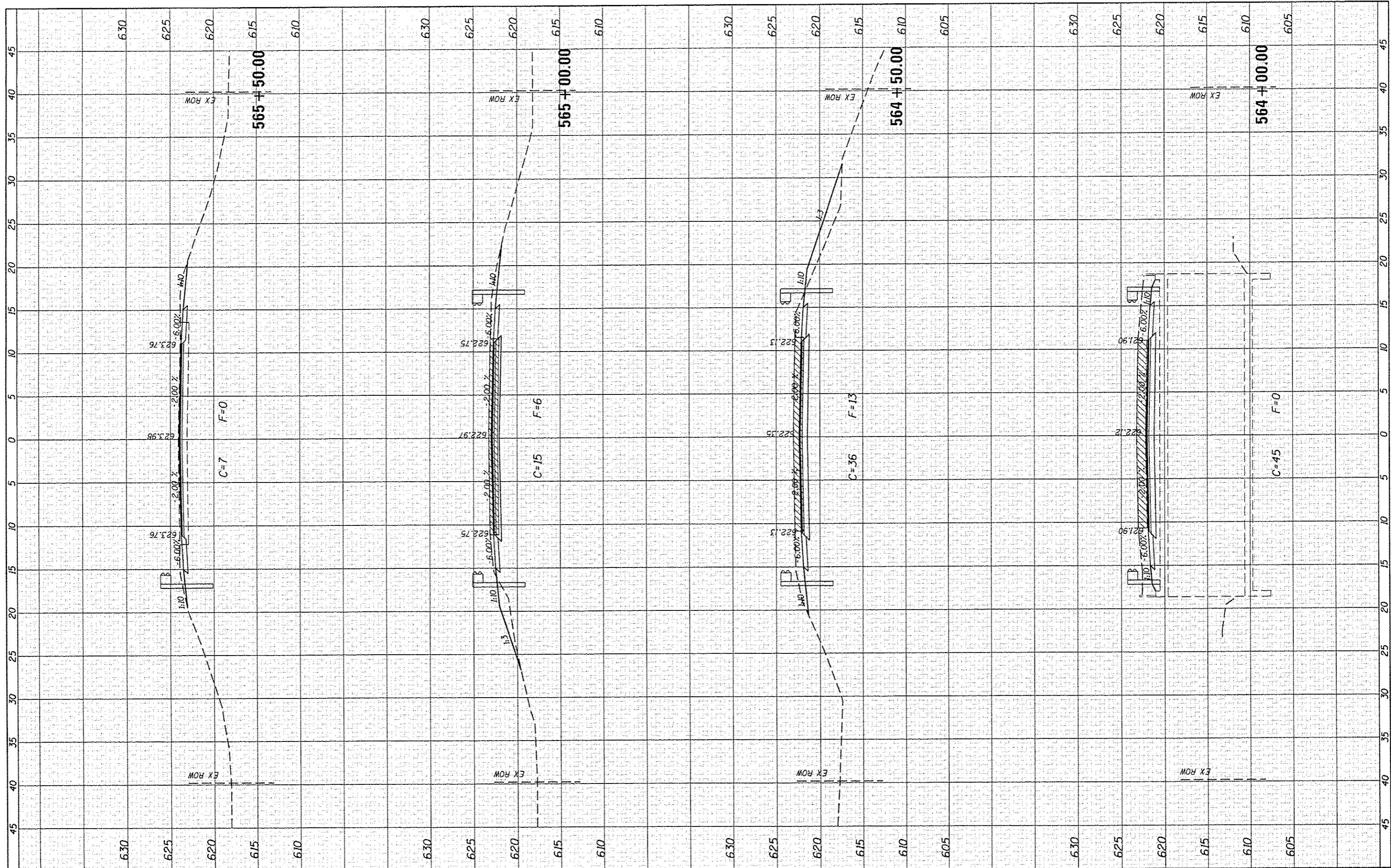
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 562+00.00 TO STA. 563+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	32
CONTRACT NO. 93684				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

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



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB # 2349
FILE NAME = 2349-sht-sec.dgn
PLOT SCALE = 1/8" = 1' / in.
PLOT DATE = 4/22/2016

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

REVISED -
REVISED -
REVISED -
REVISED -

**CHRISTIAN COUNTY
CH 12 IMPROVEMENTS**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 564+00.00 TO STA. 565+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	14-00040-04-RS	CHRISTIAN	33	33
CONTRACT NO. 93684				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				