

03-04-2016 LETTING ITEM 045

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-7

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 709 (US 136)

SECTION 105RS-2

PROJECT: ACHSIP - ACSTP - 0709 (030)

RESURFACING (3P)

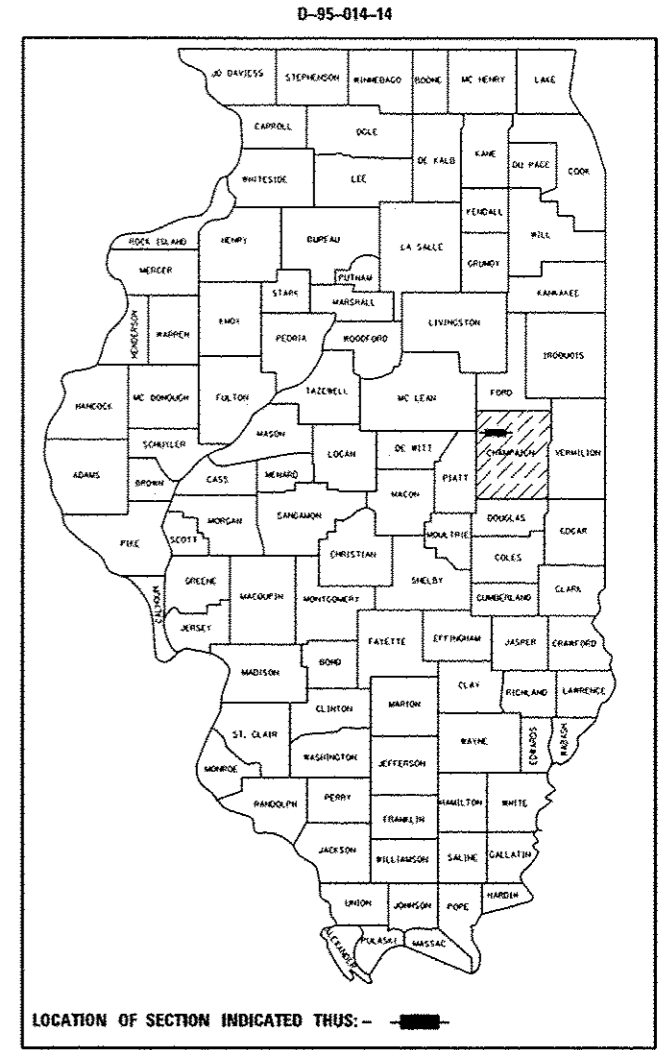
CHAMPAIGN COUNTY

C-95-014-14

FISHER TO DEWEY

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	1
		ILLINOIS	CONTRACT NO. 70A56	

2014 ADT	2,700
P.U. %	85.1
S.U. %	5.6
M.U. %	9.3



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

*Handwritten notes:*  
 105RS-2  
 105RS-2  
 105RS-2

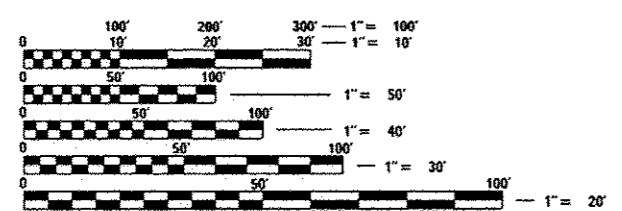
SECTION 105RS-2 BEGINS:  
1781 + 17.33

STATION EQUATION:  
 STA. 1845 + 79.77 BK =  
 STA. 1845 + 81.30 AH

SECTION 105RS-2 ENDS:  
1924 + 94.14

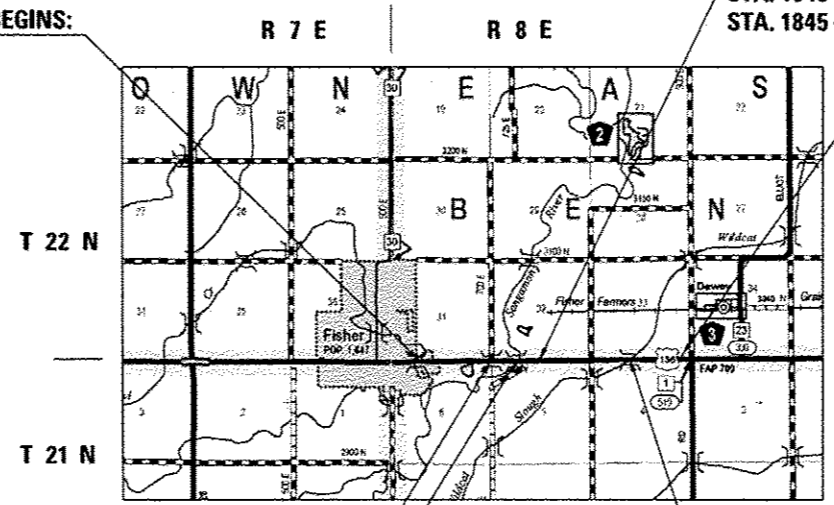


DESIGN DESIGNATION:  
N/A

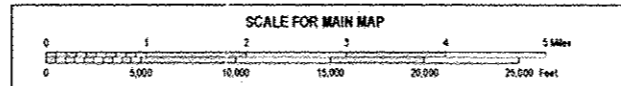


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811 EAST BEND & CONDIT TOWNSHIPS



STRUCTURE OMISSION	STRUCTURE OMISSION	STRUCTURE OMISSION
S.N. 010-0213	S.N. 010-0214	S.N. 010-0283
1819 + 26.46 TO	1832 + 78.50 TO	1892 + 18.32 TO
1821 + 48.30	1835 + 09.50	1894 + 12.98



GROSS LENGTH = 14,375.28 FT. = 2.723 MILES  
 NET LENGTH = 13,727.78 FT. = 2.600 MILES

PROJECT ENGINEER: NANCY FASIG  
 SQUAD LEADER: BRIAN J. HOGAN  
 DESIGNER: BILLY J. MURPHY  
 PHONE NUMBER: (217)-465-4181  
 CONTRACT NO. 70A56

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED DECEMBER 11, 2015

*Kensil A. Jamett*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Jan 29, 2016*  
*Maurice M. Addis PE*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*Jan 29, 2016*  
*Omer Asanpek*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

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# HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
442201 - 03	CLASS C AND D PATCHES
482011 - 03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
642006	SHOULDER RUMBLE STRIPS, 8 IN.
667101 - 02	PERMANENT SURVEY MARKERS
701006 - 05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201 - 04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306 - 03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311 - 03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901 - 04	TRAFFIC CONTROL DEVICES
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

# GENERAL NOTES

G.N.-100  
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A  
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A  
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-202  
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-250C  
SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

G.N.-280  
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-280A  
THE VARIOUS MULCH PAY ITEMS IN THE PLANS INCLUDE QUANTITIES FOR TEMPORARY MULCH FOR EROSION CONTROL. THE TEMPORARY MULCH INCLUDES MAINTENANCE AND REMOVAL IF NECESSARY, PER THE REQUIREMENTS OF ARTICLE 280 OF THE STANDARD SPECIFICATIONS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SOME OR ALL OF THE MULCH USED AS TEMPORARY EROSION CONTROL WILL BE DELETED IF IT IS NOT NECESSARY DUE TO ESTABLISHMENT OF PERMANENT SEEDING.

G.N.-406  
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-442B -- PATCHING SCHEDULES  
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-482  
ALL LOW ESAL MIXTURE PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 - 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION MIXES. THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L USING STANDARD CORRELATION PROCEDURES WHEN MORE THAN 3,000 TONS ARE TO BE PLACED.

G.N.-667  
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-703A  
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781  
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N.-1004.01  
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS

NO COMMITMENTS

G.N. -406H -- MIXTURE REQUIREMENTS CONTRACT: 70A56

Location	US 136	US 136	US 136	US 136
Mixture Use	Fine Graded Level Binder	Surface	Class D, P.D. Patch & Bottom 6 1/2" Shoulders	Top 1 1/2" Shoulder & Incidental
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=30
Mix Comp(Gradation)	IL 9.5 FG	IL 9.5	IL 19.0	IL 9.5L
Friction Aggregate	Mix C	Mix C	N.A.	Mix C
Mixture Weight	112	112	112	112
Quality Management Program	QCP	QCP	QC/QA	QC/QA
Sublot Size	1000	1000	N.A.	N.A.

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1184848\INTEG\Illinois\gov\1007\Documents\DOT Offices\District 5\Projects\057\DRAWING\Design\0572406-sht-gennote.dgn	DRAWN	REVISED	709			105RS-2	CHAMPAIGN	113	3	
PLOT SCALE = 48,0000' / 1" =	CHECKED -	REVISED -	CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT				
SCALE:	DATE -	REVISED -	SHEET 1			OF 1 SHEETS	STA. TO STA.			



# SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709 (U. S. 136)

FAP 709 (U. S. 136)

RURAL

RURAL

MINOR ARTERIAL

MINOR ARTERIAL

STA. 1781+17.33 TO STA. 1924+94.14 STA. 1857+00.00 TO STA. 1924+94.14

CHAMPAIGN COUNTY

CHAMPAIGN COUNTY

FUNDING BREAKOUT:

80% FEDERAL / 20% STATE

90% FEDERAL / 10% STATE

CONSTRUCTION TYPE CODE:

0005

0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
40600990	TEMPORARY RAMP	SQ YD	360.0	360.0	0.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3,200.0	3,200.0	0.0
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	680.0	680.0	0.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	130.0	130.0	0.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	7,830.0	7,660.0	170.0
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	19,060.0	19,060.0	0.0
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	19,030.0	19,030.0	0.0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210.0	0.0	210.0
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	140.0	140.0	0.0
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	20.0	20.0	0.0
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	40.0	40.0	0.0
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	40.0	40.0	0.0
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	40.0	40.0	0.0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	13,200.0	13,200.0	0.0
• DENOTES SPECIALTY ITEM					

# SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709 (U. S. 136)

FAP 709 (U. S. 136)

RURAL

RURAL

MINOR ARTERIAL

MINOR ARTERIAL

STA. 1781+17.33 TO STA. 1924+94.14 STA. 1857+00.00 TO STA. 1924+94.14

CHAMPAIGN COUNTY

CHAMPAIGN COUNTY

FUNDING BREAKOUT:

80% FEDERAL / 20% STATE

90% FEDERAL / 10% STATE

CONSTRUCTION TYPE CODE:

0005

0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,640.0	1,120.0	520.0
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	4,190.0	0.0	4,190.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	550.0	530.0	20.0
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	26,670.0	13,740.0	12,930.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4.0	4.0	0.0
67100100	MOBILIZATION	LSUM	1.0	0.9	0.1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,120.0	4,120.0	0.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	460.0	460.0	0.0
• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	30,610.0	30,610.0	0.0
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	180.0	180.0	0.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	180.0	180.0	0.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SO YD	110.0	110.0	0.0
X4406230	PARTIAL DEPTH REMOVAL, TYPE II, 3"	SQ YD	1,080.0	1,080.0	0.0
X4406270	PARTIAL DEPTH REMOVAL, TYPE II, 7"	SQ YD	100.0	100.0	0.0
• DENOTES SPECIALTY ITEM					

14

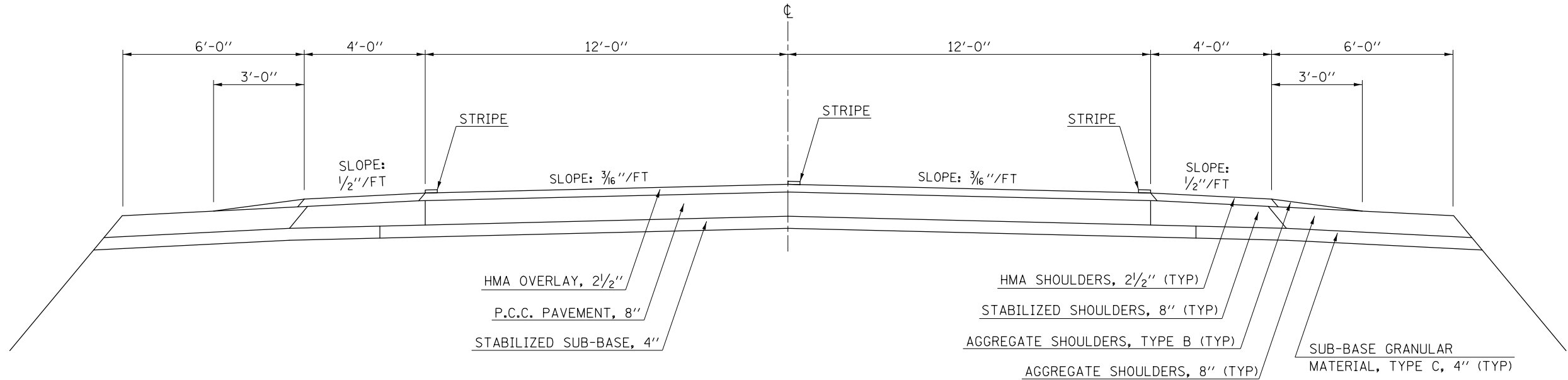


# ① EXISTING TYPICAL CROSS SECTION

\*BRIDGE OMISSION 1779+18.17 to 1781+17.33 SN 010-0212  
 \*\*BRIDGE OMISSION 1819+26.46 TO 1821+48.30 SN 010-0213  
 \*\*\*BRIDGE OMISSION 1832+78.50 TO 1835+09.50 SN 010-0214

STATION TO STATION  
 \*1781+17.33 1819+26.46\*\*  
 \*\*1821+48.30 1832+78.50\*\*\*  
 \*\*\*1835+09.50 1845+79.77 (BK)  
 1845+81.30 (AH) 1857+00.00 ②

STA. EQN. 1845+79.77 (BK) = 1845+81.30 (AH)

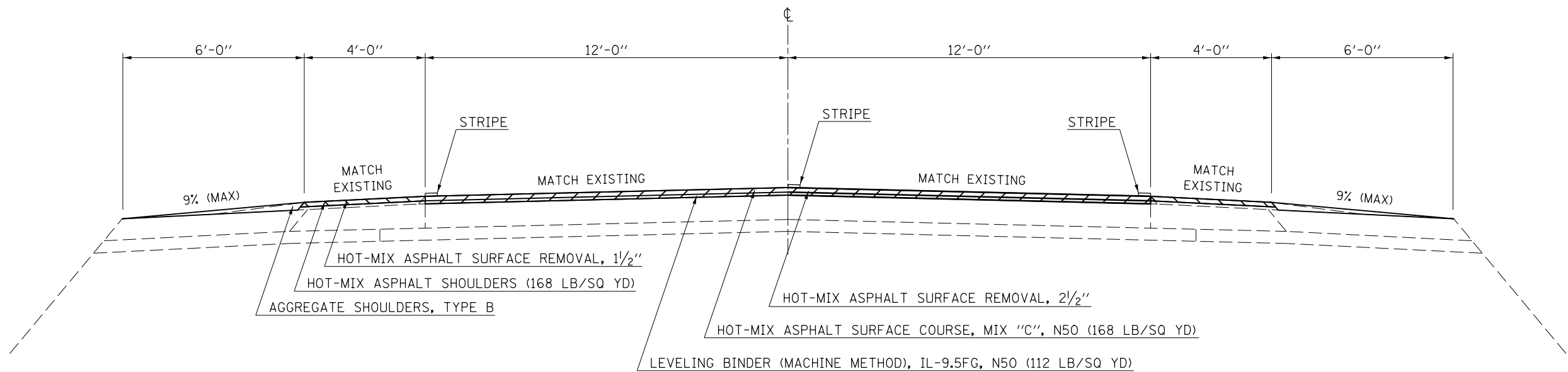


# ① PROPOSED TYPICAL CROSS SECTION

\*BRIDGE OMISSION 1779+18.17 to 1781+17.33 SN 010-0212  
 \*\*BRIDGE OMISSION 1819+26.46 TO 1821+48.30 SN 010-0213  
 \*\*\*BRIDGE OMISSION 1832+78.50 TO 1835+09.50 SN 010-0214

STATION TO STATION  
 \*1781+17.33 1819+26.46\*\*  
 \*\*1821+48.30 1832+78.50\*\*\*  
 \*\*\*1835+09.50 1845+79.77 (BK)  
 1845+81.30 (AH) 1857+00.00 ②

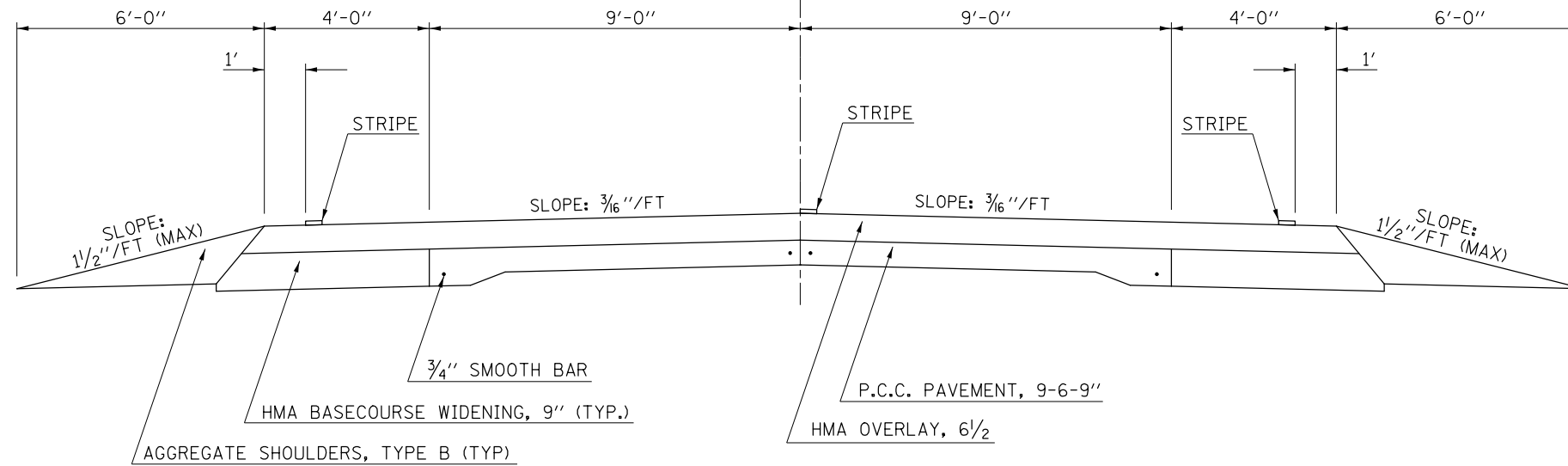
STA. EQN. 1845+79.77 (BK) = 1845+81.30 (AH)





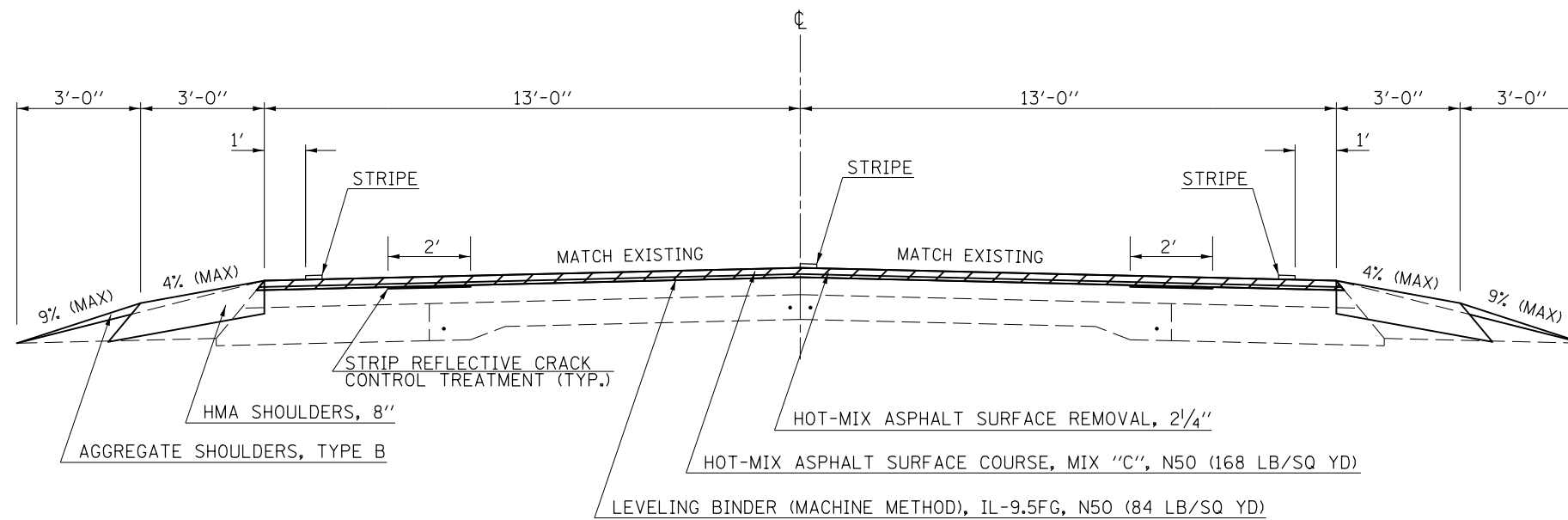
## ② EXISTING TYPICAL CROSS SECTION

\*\*\*\*\*BRIDGE OMISSION 1892+18.32 to 1894+12.98 SN 010-0283  
 STATION ① 1857+00.00 TO STATION 1892+18.32 \*\*\*\*\*  
 \*\*\*\*\*1894+12.98 TO STATION 1924+94.14 \*\*\*\*\*



## ② PROPOSED TYPICAL CROSS SECTION

\*\*\*\*\*BRIDGE OMISSION 1892+18.32 to 1894+12.98 SN 010-0283  
 STATION ① 1857+00.00 TO STATION 1892+18.32 \*\*\*\*\*  
 \*\*\*\*\*1894+12.98 TO STATION 1924+94.14 \*\*\*\*\*



FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS</b>	F.A.P. RTE. 709	SECTION 105RS-2	COUNTY CHAMPAIGN	TOTAL SHEETS 113	SHEET NO. 9
PLOT SCALE = 40.0000' / in. #MODELNAME#						SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 70A56 ILLINOIS FED. AID PROJECT		

# SCHEDULE OF QUANTITIES

## EARTHWORK

LOCATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	FURNISHED EXCAVATION 20400800 (CU YD)
EBDL	368.3	276.2	81.8	194.4	0.0
WBDL	350.6	263.0	36.0	227.0	0.0
TOTAL =	718.9	539.2	117.8	421.4	0.0
ROUND TO:	720.0				0.0

- NOTES:
1. THE SHRINKAGE FACTOR USED IS 25%.
  2. SHRINKAGE, EMBANKMENT, AND BALANCE IS FOR INFORMATION ONLY.
  3. NO PAYMENT WILL BE ALLOWED FOR OVERHAUL.
  4. EXCAVATION REQUIRED FOR PCC BASE COURSE, FULL DEPTH BITUMINOUS PAVEMENT, BITUMINOUS SHOULDERS, BITUMINOUS BASE COURSE AND AGGREGATE SHOULDER IS MEASURED AND PAID FOR AS EARTH EXCAVATION.

## EROSION CONTROL

STATION	TO	STATION	OFFSET	TEMPORARY DITCH CHECKS 28000305 (FOOT)	PERIMETER EROSION BARRIER 28000400 (FOOT)	INLET & PIPE PROTECTION 28000500 (EACH)
1783+86.28			27.2' RT.			1.0
1784+00			70.1' LT.	13.0		
1786+00			61.2' LT.	14.0		
1788+00			53.8' LT.	18.0		
1792+98.95			42.5' LT.			1.0
1793+00			45.5' RT.	16.0		
1794+00			42.5' LT.	17.0		
1798+00			39.0' LT.	15.0		
1798+00			39.0' RT.	17.0		
1804+00			47.0' RT.	12.0		
1805+00			46.5' LT.	14.0		
1805+00			52.5' RT.	12.0		
1806+05.74			55.0' LT.			1.0
1807+38.48			67.7' RT.			1.0
1846+26.69			39.2' LT.			1.0
1849+00			40.0' LT.	13.0		
1849+00			41.2' RT.	13.0		
1852+00			41.0' RT.	16.0		
1852+00			39.0' LT.	16.0		
1854+00			40.0' RT.	16.0		
1854+00			38.5' LT.	16.0		
1856+00	1859+07.58		VAR. RT.		308.0	
1859+07.62			24.8' RT.			1.0
1859+23.94	1862+96.98		VAR. RT.		373.0	
1862+00			26.5' LT.	12.0		
1863+00			21.5' RT.			1.0
1863+00	1866+00		36.0' RT.		300.0	
1864+00			27.5' LT.	11.0		
1866+00			24.5' LT.	13.0		
1866+00			25.0' RT.	13.0		
1866+63.61			24.7' LT.			1.0
1866+63.81			23.0' RT.			1.0
1866+87.93			23.3' LT.			1.0
1888+00	1890+00		40.0' RT.		200.0	
1888+27.99			33.7' RT.			1.0
1894+12.98	1898+00		30.0'-25.0' LT.		387.1	
1895+72.66			56.6' LT.			1.0
1913+44.00			22.0' LT.			1.0
1913+44.31			28.0' RT.			1.0
1915+00			28.0' RT.	10.0		
			TOTAL =	297.0	1568.1	14.0
			ROUND TO	300.0	1570.0	14.0

## SURVEY MARKERS

DESCRIPTION	STATION	OFFSET	SURVEY MARKER TYPE 2 (SPECIAL) XZ193400 (EACH)	SURVEY MARKER VAULT Z0070202 (EACH)
P.I. KINK	1806+28.86	CL	1	
STA. EQUATION	1845+79.77 BK. = 1845+81.30 AH.	CL	1	
SECTION CORNER	1872+87.12	0.67' RT.		1
			TOTAL = 2	1

## RUMBLE STRIPS

STATION	TO	STATION	OFFSET	SHOULDER RUMBLE STRIP 8' 64200108 (FOOT)
1781+17.33		1782+36.41	RT	119.1
1782+92.16		1787+90.74	RT	498.6
1788+75.77		1807+45.91	RT	1870.1
1807+92.30		1819+26.46	RT	1134.2
1781+17.33		1782+86.23	LT	168.9
1783+54.99		1806+04.20	LT	2249.2
1806+71.56		1818+67.76	LT	1196.2
1821+48.30		1832+78.50	RT	1130.2
1821+48.30		1832+78.50	LT	1130.2
1835+09.50		1836+69.01	RT	159.5
1837+57.09		1845+79.77	RT	822.7
1835+09.50		1845+73.07	LT	1063.6
1845+81.30		1857+00.00	RT	1118.7
1846+19.00		1857+00.00	LT	1081.0
1857+00.00		1872+43.68	RT	1543.7
1873+22.92		1874+44.41	RT	121.5
1874+83.33		1892+18.32	RT	1735.0
1857+00.00		1866+37.14	LT	937.1
1866+93.63		1872+25.74	LT	532.1
1872+86.27		1892+18.32	LT	1932.1
1894+12.98		1924+94.14	RT	3081.2
1894+12.98		1908+64.50	LT	1451.5
1909+00.93		1924+94.14	LT	1593.2
			TOTAL =	26669.5
			ROUND TO	26,670.0

## STRIP REFLECTIVE CRACK CONTROL

STATION	TO	STATION	OFFSET	STRIP REFLECTIVE CRACK CONTROL TREATMENT 44300200 (FOOT)
1857+00.00		1892+18.32	RT	3518.3
1857+00.00		1892+18.32	LT	3518.3
1894+12.98		1924+94.14	RT	3081.2
1894+12.98		1924+94.14	LT	3081.2
			TOTAL =	13199.0
			ROUND TO	13,200.0

# SCHEDULE OF QUANTITIES

## REMOVAL ITEMS

DIRECTION	STA.	TO	STA.	LENGTH(')	PAVEMENT WIDTH(')	SHOULDER WIDTH(')	SHOULDER AREA (SQ YD)	HMA SURF REM 1 1/2" 44000155 (SQ YD)	HMA SURF REM 2 1/4" 44000158 (SQ YD)	HMA SURF REM 2 1/2" 44000159 (SQ YD)	HMA SURF REM SPL X4400196 (SQ YD)	DRIVEWAY PAVT REM 44000200 (SQ YD)	
EB	1781+17.33		1819+26.46	3809.13	12.0	4.0	1692.9	1692.9		5078.8			
EB	1821+48.30		1832+78.50	1130.20	12.0	4.0	502.3	502.3		1506.9			
EB	1835+09.50		1836+69.29	159.8	12.0	4.0	71.0	71.0					
EB	1837+55.07		1845+79.77(BK)	824.7	12.0	4.0	366.5	366.5					
EB	1835+09.50		1845+79.77(BK)	1070.27	12.0				1427.0				
EB	1845+81.30(AH)		1857+00.00	1118.7	12.0	4.0	497.2	497.2		1491.6			
EB	1857+00.00		1857+05.00	5.0	12.5				6.9				
WB	1781+17.33		1818+67.96	3750.63	12.0	4.0	1666.9	1666.9					
WB	1781+17.33		1819+26.46	3809.13	12.0				5078.8				
WB	1821+48.30		1832+78.50	1130.20	12.0	4.0	502.3	502.3		1506.9			
WB	1835+09.50		1845+79.77(BK)	1070.27	12.0	4.0	475.7	475.7		1427.0			
WB	1845+81.30(AH)		1857+00.00	1118.7	12.0	4.0	497.2	497.2		1491.6			
WB	1857+00.00		1857+05.00	5.0	12.5				6.9				
EB	1857+05.00		1892+18.32	3513.32	13.0				5074.8				
EB	1891+00.00		1892+01.88	101.88	13.0	3.0	34.0	34.0					
EB	1893+96.87		1895+50.00	153.13	13.0	3.0	51.0	51.0					
EB	1894+12.98		1924+94.14	3081.16	13.0				4450.6				
WB	1857+05.00		1892+18.32	3513.32	13.0				5074.8				
WB	1891+00.00		1892+33.86	133.86	13.0	3.0	44.6	44.6					
WB	1894+28.79		1895+50.00	121.21	13.0	3.0	40.4	40.4					
WB	1894+12.98		1924+94.14	3081.16	13.0				4450.6				
TYPE ENTRANCE							CADD AREA(SQ YD)						
EB	1782+63.82		CE				84.4	84.4					
WB	1783+20.87		CE				57.9	57.9					
EB	1788+29.29		CE				373.2	373.2					
WB	1806+38.77		PE				197.7	197.7					
EB	1807+73.44		PE				29.8	29.8					
WB	1818+90.23		700 E				157.7	157.7					
EB	1837+12.43		700 E				183.0	183.0					
WB	1845+96.50		PE				27.1	27.1					
WB	1859+12.44		FE				12.8				12.8		
EB	1859+14.98		FE				11.7				11.7		
WB	1866+55.03		PE				20.8			30.0	20.8		
EB	1866+55.29		FE				12.3				12.3		
WB	1872+56.94		800 E				96.8	96.8			2.0		
EB	1872+87.24		800 E				174.8	174.8			2.5		
EB	1874+64.45		PE				14.7			23.0	14.7		
EB	1875+82.47		FE				15.9				15.9		
EB	1885+97.86		FE				13.7				13.7		
WB	1886+00.67		FE				14.5				14.5		
WB	1898+87.60		FE				14.5				14.5		
EB	1899+12.95		FE				16.2				16.2		
WB	1908+82.89		PE				14.4			53.6	14.4		
EB	1912+26.69		FE				13.7				13.7		
WB	1912+28.98		FE				14.2				14.2		
EB	1920+92.15		FE				12.0				12.0		
EB	1924+84		EAST TERMINUS				3.0				3.0		
WB	1924+94		EAST TERMINUS										
TOTAL =								7824.4	19050.7	19022.4	106.6	208.9	
ROUND TO								7830.0	19,060.0	19,030.0	110.0	210.0	

## TEMPORARY RAMPS

DIRECTION	STA.	AFTER MILLING	AFTER BINDER	LENGTH(')	WIDTH(')	PAVEMENT AREA(SQ YD)	SHOULDER AREA(SQ YD)	TEMPORARY RAMP 40600990 (SQ YD)
EB	1781+17.33	X		8.33	12.0	11.1		11.1
EB	1781+17.33	X		5.0	4.0		2.2	2.2
EB	1781+17.33		X	5.0	12.0	6.7		6.7
EB	1819+26.46	X		8.33	12.0	11.1		11.1
EB	1819+26.46	X		5.0	4.0		2.2	2.2
EB	1819+26.46		X	5.0	12.0	6.7		6.7
EB	1821+48.30	X		8.33	12.0	11.1		11.1
EB	1821+48.30	X		5.0	4.0		2.2	2.2
EB	1821+48.30		X	5.0	12.0	6.7		6.7
EB	1832+78.50	X		8.33	12.0	11.1		11.1
EB	1832+78.50	X		5.0	4.0		2.2	2.2
EB	1832+78.50		X	5.0	12.0	6.7		6.7
EB	1835+09.50	X		8.33	12.0	11.1		11.1
EB	1835+09.50	X		5.0	4.0		2.2	2.2
EB	1835+09.50		X	5.0	12.0	6.7		6.7
EB	1892+01.88	X		5.0	3.0		1.7	1.7
EB	1892+18.32	X		7.5	13.0	10.8		10.8
EB	1892+18.32		X	5.0	13.0	7.2		7.2
EB	1893+96.87	X		5.0	3.0		1.7	1.7
EB	1894+12.98	X		7.5	13.0	10.8		10.8
EB	1894+12.98		X	5.0	13.0	7.2		7.2
EB	1924+94.14	X		7.5	13.0	10.8		10.8
EB	1924+94.14		X	5.0	13.0	7.2		7.2
WB	1781+17.33	X		8.33	12.0	11.1		11.1
WB	1781+17.33	X		5.0	4.0		2.2	2.2
WB	1781+17.33		X	5.0	12.0	6.7		6.7
WB	1819+26.46	X		8.33	12.0	11.1		11.1
WB	1819+26.46	X		5.0	4.0		2.2	2.2
WB	1819+26.46		X	5.0	12.0	6.7		6.7
WB	1821+48.30	X		8.33	12.0	11.1		11.1
WB	1821+48.30	X		5.0	4.0		2.2	2.2
WB	1821+48.30		X	5.0	12.0	6.7		6.7
WB	1832+78.50	X		8.33	12.0	11.1		11.1
WB	1832+78.50	X		5.0	4.0		2.2	2.2
WB	1832+78.50		X	5.0	12.0	6.7		6.7
WB	1835+09.50	X		8.33	12.0	11.1		11.1
WB	1835+09.50	X		5.0	4.0		2.2	2.2
WB	1835+09.50		X	5.0	12.0	6.7		6.7
WB	1892+18.32	X		7.5	13.0	10.8		10.8
WB	1892+18.32		X	5.0	13.0	7.2		7.2
WB	1892+33.86	X		5.0	3.0		1.7	1.7
WB	1894+12.98	X		7.5	13.0	10.8		10.8
WB	1894+12.98		X	5.0	13.0	7.2		7.2
WB	1894+28.79	X		5.0	3.0		1.7	1.7
WB	1924+94.14	X		7.5	13.0	10.8		10.8
WB	1924+94.14		X	5.0	13.0	7.2		7.2
COUNTY ROAD								
WB	1818+90.23		700 E	20.0	5.0	11.1		11.1
EB	1837+12.43		700 E	21.5	5.0	11.9		11.9
WB	1872+56.94		800 E	16.0	5.0	8.9		8.9
EB	1872+87.24		800 E	16.0	5.0	8.9		8.9
TOTAL =								355.8
ROUND TO								360.0

# SCHEDULE OF QUANTITIES

## HOT-MIX ASPHALT MAINLINE

DIRECTION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	BINDER DEPTH (INCH)	SURFACE DEPTH (INCH)	BITUMINOUS MATERIALS (PRIME COAT) 40600275 (POUND)	LEVEL BINDER MACHINE METHOD, IL-9.5, FG, N50 40600627 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 40603310 (TON)	BITUMINOUS MATERIALS PRIME COAT 40800025 (POUND)	INCIDENTAL HMA SURFACE 40800050 (TON)
EB	1781+17.33		1819+26.46	3809.13	12.0	5078.8	1.00	1.5	3428.2	284.4	426.6		
EB	1821+48.30		1832+78.50	1130.2	12.0	1506.9	1.00	1.5	1017.2	84.4	126.6		
EB	1835+09.50		1845+79.77(BK)	1070.27	12.0	1427.0	1.00	1.5	963.2	79.9	119.9		
EB	1845+81.30(AH)		1857+00.00	1118.70	12.0	1491.6	1.00	1.5	1006.8	83.5	125.3		
EB	1857+00.00		1892+18.32	3518.32	13.0	5082.0	0.75	1.5	3430.4	213.4	426.9		
EB	1894+12.98		1924+94.14	3081.16	13.0	4450.6	0.75	1.5	3004.1	186.9	373.8		
WB	1781+17.33		1819+26.46	3809.13	12.0	5078.8	1.00	1.5	3428.2	284.4	426.6		
WB	1821+48.30		1832+78.50	1130.20	12.0	1506.9	1.00	1.5	1017.2	84.4	126.6		
WB	1835+09.50		1845+79.77(BK)	1070.27	12.0	1427.0	1.00	1.5	963.2	79.9	119.9		
WB	1845+81.30(AH)		1857+00.00	1118.7	12.0	1491.6	1.00	1.5	1006.8	83.5	125.3		
WB	1857+00.00		1892+18.32	3518.3	13.0	5082.0	0.75	1.5	3430.4	213.4	426.9		
WB	1894+12.98		1924+94.14	3081.2	13.00	4450.6	0.75	1.5	3004.1	186.9	373.8		
COUNTY AND / OR TOWNSHIP ROADS, COMMERCIAL, AND PRIVATE ENTRANCES													
EB	1782+63.82		CE (FROM CADD)			84.4		1.5				38.0	7.1
WB	1783+20.87		CE (FROM CADD)			57.9		1.5				26.1	4.9
EB	1788+29.29		CE (FROM CADD)			373.2		1.5				167.9	31.3
WB	1806+38.77		PE (FROM CADD)			197.7		1.5				89.0	16.6
EB	1807+73.44		PE (FROM CADD)			29.8		1.5				13.4	2.5
WB	1818+90.23		700 E (FROM CADD)			157.7		1.5				71.0	13.2
EB	1837+12.43		700 E (FROM CADD)			183.0		1.5				82.4	15.4
WB	1845+96.50		PE (FROM CADD)			27.1		1.5				12.2	2.3
WB	1866+55.03 & 1866+81.91		PE (FROM CADD)			30.0		1.5				13.5	2.5
WB	1872+56.94		800 E (FROM CADD)			96.8		1.5				43.6	8.1
EB	1872+87.24		800 E (FROM CADD)			174.8		1.5				78.7	14.7
EB	1874+64.45		PE (FROM CADD)			23.0		1.5				10.4	1.9
WB	1908+82.89		PE (FROM CADD)			53.6		1.5				24.1	4.5
SUB-TOTAL =									25699.8	1865.0	3198.2	670.1	125.1

## HOT-MIX ASPHALT SHOULDERS

DIRECTION	STATION	TO	STATION	WIDTH OF SHOULDER (FOOT)	THICKNESS (INCHES)	( A ) LENGTH (FOOT)	( B ) WIDTH (FOOT)	( C ) AREA (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) 40600275 (POUND)	HOT-MIX ASPHALT SHOULDERS 8" 48203029 (SQ YD)	HOT-MIX ASPHALT SHOULDERS 48203100 (TON)
EB	1781+17.33		1819+26.46	4.0	1.5	3809.13	4.0	1692.9	761.8		142.2
EB	1821+48.30		1832+78.50	4.0	1.5	1130.20	4.0	502.3	226.0		42.2
EB	1835+09.50		1836+69.01	4.0	1.5	159.51	4.0	70.9	31.9		6.0
EB	1837+57.09		1845+79.77(BK)	4.0	1.5	822.68	4.0	365.6	164.5		30.7
EB	1845+81.30(AH)		1857+00.00	4.0	1.5	1118.70	4.0	497.2	223.7		41.8
WB	1781+17.33		1818+67.79	4.0	1.5	3750.46	4.0	1666.9	750.1		140.0
WB	1821+48.30		1832+78.50	4.0	1.5	1130.20	4.0	502.3	226.0		42.2
WB	1835+09.50		1845+79.77(BK)	4.0	1.5	1070.27	4.0	475.7	214.1		40.0
WB	1845+81.30(AH)		1857+00.00	4.0	1.5	1118.70	4.0	497.2	223.7		41.8
EB	1857+00.00		1872+48.44	3.0	8.0	1548.44	3.0	516.1	116.1	516.1	
EB	1873+22.92		1891+00.00	3.0	8.0	1777.08	3.0	592.4	133.3	592.4	
EB	1891+00.00		1892+01.88	3.0	1.5	101.88	3.0	34.0	15.3		2.9
EB	1893+96.87		1895+50.00	3.0	1.5	153.13	3.0	51.0	23.0		4.3
EB	1895+50.00		1924+84.94	3.0	8.0	2934.94	3.0	978.3	220.1	978.3	
WB	1857+00.00		1872+25.74	3.0	8.0	1525.74	3.0	508.6	114.4	508.6	
WB	1872+86.32		1891+00.00	3.0	8.0	1813.68	3.0	604.6	136.0	604.6	
WB	1891+00.00		1892+33.86	3.0	1.5	133.86	3.0	44.6	20.1		3.7
WB	1894+28.79		1895+50.00	3.0	1.5	121.21	3.0	40.4	18.2		3.4
WB	1895+50.00		1924+94.14	3.0	8.0	2944.14	3.0	981.4	220.8	981.4	
SUB-TOTAL =									3839.1	4181.4	541.1

## HOT-MIX ASPHALT SUMMARY

LOCATION:	BITUMINOUS MATERIALS (PRIME COAT) 40600275 (POUND)	LEVEL BINDER MACHINE METHOD, IL-9.5, FG, N50 40600627 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 40603310 (TON)	BITUMINOUS MATERIALS (PRIME COAT) 40800025 (POUND)	INCIDENTAL HMA SURFACE 40800050 (TON)	HMA SHOULDERS 8" 48203029 (SQ YD)	HMA SHOULDERS 48203100 (TON)
MAINLINE	25,699.8	1,865.0	3,198.2	670.1	125.1		
SHOULDERS	3,839.1					4181.4	541.1
TOTAL =	29,538.9	1,865.0	3,198.2	670.1	125.1	4181.4	541.1
ROUND TO	29,540.0	1,870.0	3,200.0	680.0	130.0	4,190.0	550.0

# SCHEDULE OF QUANTITIES

## PAVEMENT PATCHING

PATCH NUMBER	PRIORITY	STA.	DIR.	LENGTH (FOOT)	WIDTH (FOOT)	CLASS D PATCH T2 8 44201741 (SQ YD)	CLASS D PATCH T3 8 44201745 (SQ YD)	CLASS D PATCH T4 8 44201747 (SQ YD)	CLASS D PATCH T1 9 44201749 (SQ YD)	CLASS D PATCH T2 9 44201753 (SQ YD)	PART DEP REMOVAL T2 3 X4406230 (SQ YD)	PART DEP REMOVAL T2 7 X4406270 (SQ YD)	PART DEP PATCH X4421000 (TON)
#1	1	1782+50	EB	6	12						8		1.34
#2	1	1782+50	WB	6	12						8		1.34
#3	2	1783+07	EB	6	12						8		1.34
#4	2	1783+07	WB	6	12						8		1.34
#5	1	1784+04	EB	6	12						8		1.34
#6	1	1784+04	WB	6	12						8		1.34
#7	1	1785+03	EB	6	12						8		1.34
#8	1	1785+03	WB	6	12						8		1.34
#9	1	1785+99	EB	6	12						8		1.34
#10	1	1785+99	WB	6	12						8		1.34
#11	1	1786+95	EB	6	12						8		1.34
#12	1	1786+95	WB	6	12						8		1.34
#13	1	1787+96	EB	6	12						8		1.34
#14	1	1787+96	WB	6	12						8		1.34
#15	2	1788+10	WB	6	12						8		1.34
#16	1	1788+46	EB	6	12						8		1.34
#17	1	1788+46	WB	6	12						8		1.34
#18	1	1789+42	EB	6	12						8		1.34
#19	1	1789+42	WB	6	12						8		1.34
#20	2	1790+57	EB	6	12						8		1.34
#21	2	1790+57	WB	6	12						8		1.34
#22	2	1791+45	EB	6	12						8		1.34
#23	2	1791+45	WB	6	12						8		1.34
#24	1	1792+40	EB	12	12						16		2.69
#25	1	1792+40	WB	6	12						8		1.34
#26	1	1793+42	EB	10	12						13.3		2.24
#27	1	1793+42	WB	8	12						10.7		1.79
#28	2	1794+40	EB	6	12						8		1.34
#29	2	1794+40	WB	6	12						8		1.34
#30	1	1795+41	EB	6	12						8		1.34
#31	1	1795+41	WB	6	12						8		1.34
#32	1	1796+42	EB	6	12						8		1.34
#33	1	1796+42	WB	6	12						8		1.34
#34	1	1797+42	EB	6	12						8		1.34
#35	1	1797+42	WB	6	12						8		1.34
#36	1	1798+44	EB	6	12						8		1.34
#37	1	1798+44	WB	6	12	8							
#38	2	1799+45	EB	6	12						8		1.34
#39	2	1799+45	WB	6	12						8		1.34
#40	1	1800+38	EB	10	12						13.3		2.24
#41	1	1800+38	WB	6	12						8		1.34
#42	1	1801+35	EB	6	12						8		1.34
#43	1	1801+35	WB	6	12						8		1.34
#44	2	1801+97	EB	8	12						10.7		1.79
#45	1	1802+35	EB	8	12	10.7							
#46	1	1802+35	WB	8	12	10.7							
#47	2	1803+33	EB	10	12						13.3		2.24
#48	2	1803+33	WB	10	12						13.3		2.24
#49	1	1804+31	EB	6	12						8		1.34
#50	1	1804+31	WB	6	12						8		1.34
#51	1	1805+30	EB	6	12						8		1.34
#52	1	1805+30	WB	6	12						8		1.34
#53	2	1806+30	EB	6	12						8		1.34
#54	2	1806+30	WB	6	12						8		1.34
#55	2	1807+30	EB	6	12						8		1.34
#56	2	1807+30	WB	6	12						8		1.34
#57	1	1808+17	EB	6	12						8		1.34
#58	1	1808+17	WB	6	12						8		1.34
#59	1	1809+81	EB	6	12						8		1.34
#60	1	1810+04	EB	6	12						8		1.34
#61	1	1810+12	EB	6	12						8		1.34
#62	2	1811+25	EB	6	12						8		1.34
#63	2	1811+25	WB	6	12						8		1.34
#64	2	1812+26	EB	6	12						8		1.34
#65	2	1812+26	WB	6	12						8		1.34
#66	2	1812+60	EB	6	12						8		1.34
#67	2	1812+60	WB	6	12						8		1.34
#68	1	1813+30	EB	20	12						26.7		4.48
#69	1	1813+30	WB	20	12						26.7		4.48
#70	1	1814+20	EB	6	12						8		1.34
#71	1	1814+20	WB	10	12						13.3		2.24
#72	2	1816+31	EB	6	12						8		1.34
#73	2	1816+31	WB	6	12						8		1.34
#74	1	1817+20	EB	6	12						8		1.34
#75	1	1817+20	WB	8	12						10.7		1.79

QUANTITIES DESIGNATED BY "\*" ARE TO BE USED FOR PATCHING EXISTING HMA SHOULDERS.  
THE QUANTITIES ARE TO BE USED AS NEEDED WITH LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER.

PATCH NUMBER	PRIORITY	STA.	DIR.	LENGTH (FOOT)	WIDTH (FOOT)	CLASS D PATCH T2 8 44201741 (SQ YD)	CLASS D PATCH T3 8 44201745 (SQ YD)	CLASS D PATCH T4 8 44201747 (SQ YD)	CLASS D PATCH T1 9 44201749 (SQ YD)	CLASS D PATCH T2 9 44201753 (SQ YD)	PART DEP REMOVAL T2 3 X4406230 (SQ YD)	PART DEP REMOVAL T2 7 X4406270 (SQ YD)	PART DEP PATCH X4421000 (TON)
#76	1	1818+20	EB	6	12						8		1.34
#77	1	1818+20	WB	6	12						8		1.34
#78	2	1822+12	EB	6	12						8		1.34
#79	2	1822+12	WB	6	12						8		1.34
#80	1	1822+81	EB	6	12						8		1.34
#81	1	1822+81	WB	6	12			8					
#82	2	1823+11	EB	6	12						8		1.34
#83	2	1823+11	WB	10	12						13.3		2.24
#84	2	1824+09	EB	6	12						8		1.34
#85	2	1824+09	WB	6	12						8		1.34
#86	2	1825+09	EB	6	12						8		1.34
#87	2	1825+09	WB	6	12						8		1.34
#88	1	1826+10	EB	10	12						13.3		2.24
#89	1	1826+10	WB	10	12						13.3		2.24
#90	1	1827+08	EB	6	12						8		1.34
#91	1	1827+08	WB	6	12						8		1.34
#92	1	1828+07	EB	30	12						40		5.67
#93	1	1828+07	WB	15	12						20		3.36
#94	1	1829+06	EB	12	12						16		2.69
#95	1	1829+06	WB	12	12			16					
#96	1	1829+34	EB	6	12						8		1.34
#97	1	1830+04	EB	6	12						8		1.34
#98	1	1830+04	WB	6	12						8		1.34
#99	2	1836+67	EB	6	12						8		1.34
#100	2	1836+67	WB	6	12						8		1.34
#101	2	1837+65	EB	6	12						8		1.34
#102	2	1837+65	WB	6	12						8		1.34
#103	1	1838+65	EB	6	12						8		1.34
#104	1	1838+65	WB	6	12						8		1.34
#105	2	1839+66	EB	6	12						8		1.34
#106	2	1839+66	WB	6	12						8		1.34
#107	1	1840+67	EB	6	12						8		1.34
#108	1	1840+67	WB	6	12						8		1.34
#109	2	1841+67	EB	6	12						8		1.34
#110	2	1841+67	WB	6	12						8		1.34
#111	2	1842+18	EB	6	12						8		1.34
#112	2	1842+18	WB	6	12						8		1.34
#113	2	1844+65	EB	6	12						8		1.34
#114	2	1844+65	WB	6	12						8		1.34
#115	2	1845+66	EB	6	12						8		1.34
#116	2	1845+66	WB	6	12						8		1.34
#117	2	1846+10	EB	6	12						8		1.34
#118	2	1846+10	WB	6	12						8		1.34
#119	2	1846+67	EB	6	12						8		1.34
#120	2	1846+67	WB	6	12						8		1.34
#121	2	1847+66	EB	6	12						8		1.34
#122	2	1847+66	WB	6	12						8		1.34
#123	2	1848+67	EB	6	12						8		1.34
#124	2	1848+67	WB	6	12						8		1.34
#125	2	1850+63	EB	6	12						8		1.34
#126	2	1850+63	WB	6	12						8		1.34
#127	2	1851+63	EB	6	12						8		1.34
#128	2	1851+63	WB	6	12						8		1.34
#129	2	1852+63	EB	6	12						8		1.34
#130	2	1852+63	WB	6	12						8		1.34
#131	2	1853+62	EB	6	12						8		1.34
#132	1												

# SCHEDULE OF QUANTITIES

## SEEDING PAGE 1 OF 2

STATION	LT WIDTH (FEET)	RT WIDTH (FEET)	LENGTH (FEET)	AREA LEFT (ACRES)	AREA RIGHT (ACRES)	SEEDING, CLASS 2A 25000210 (ACRE)	SEEDING, CLASS 7 25000350 (ACRE)	NITROGEN FERT NUTRIENT 25000400 (POUND)	PHOSPHOROUS FERT NUTRIENT 25000500 (POUND)	POTASSIUM FERT NUTRIENT 25000600 (POUND)	MULCH, METHOD 2 25100115 (ACRE)	MULCH, METHOD 3 25100125 (ACRE)	TEMPORARY EROSION CONTROL SEEDING 28000250 (POUND)
1781+17.33	0	0											
1783+00.00	0	0	182.67	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1784+00.00	0	4.4699	100	0.00000	0.00513	0.00513	0.01539	0.5	0.5	0.5	0.01539	0.00513	2.1
1785+00.00	0	4.8479	100	0.00000	0.01070	0.01070	0.03209	1.0	1.0	1.0	0.03209	0.01070	4.3
1786+00.00	6.1608	5.2675	100	0.00707	0.01161	0.01868	0.05605	1.7	1.7	1.7	0.05605	0.01868	7.5
1787+00.00	6.8788	5.7848	100	0.01497	0.01269	0.02765	0.08296	2.5	2.5	2.5	0.08296	0.02765	11.1
1787+94.88	6.8788	5.7848	94.88	0.01498	0.01260	0.02758	0.08275	2.5	2.5	2.5	0.08275	0.02758	11.0
1788+00.00	7.5967	0	5.12	0.00085	0.00034	0.00119	0.00357	0.1	0.1	0.1	0.00357	0.00119	0.5
1788+68.03	7.0451	6.1331	68.03	0.01143	0.00479	0.01622	0.04867	1.5	1.5	1.5	0.04867	0.01622	6.5
1789+00.00	7.0451	6.1331	31.97	0.00517	0.00450	0.00967	0.02902	0.9	0.9	0.9	0.02902	0.00967	3.9
1790+00.00	0	0	100	0.00809	0.00704	0.01513	0.04538	1.4	1.4	1.4	0.04538	0.01513	6.1
1793+00.00	0	0	300	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1793+12.56	7.9076	4.6539	12.56	0.00114	0.00067	0.00181	0.00543	0.2	0.2	0.2	0.00543	0.00181	0.7
1794+00.00	7.9076	4.6539	87.44	0.01587	0.00934	0.02522	0.07565	2.3	2.3	2.3	0.07565	0.02522	10.1
1795+00.00	7.4798	4.85	100	0.01766	0.01091	0.02857	0.08571	2.6	2.6	2.6	0.08571	0.02857	11.4
1796+00.00	7.1995	4.9895	100	0.01685	0.01129	0.02814	0.08443	2.5	2.5	2.5	0.08443	0.02814	11.3
1797+00.00	6.9192	5.1296	100	0.01621	0.01162	0.02782	0.08346	2.5	2.5	2.5	0.08346	0.02782	11.1
1798+00.00	6.5093	5.1825	100	0.01541	0.01184	0.02725	0.08175	2.5	2.5	2.5	0.08175	0.02725	10.9
1799+00.00	6.0887	5.2288	100	0.01446	0.01195	0.02641	0.07923	2.4	2.4	2.4	0.07923	0.02641	10.6
1800+00.00	5.6033	5.017	100	0.01342	0.01176	0.02518	0.07554	2.3	2.3	2.3	0.07554	0.02518	10.1
1801+00.00	5.0753	4.6411	100	0.01226	0.01109	0.02334	0.07003	2.1	2.1	2.1	0.07003	0.02334	9.3
1802+00.00	5.1421	4.3937	100	0.01173	0.01037	0.02210	0.06630	2.0	2.0	2.0	0.06630	0.02210	8.8
1803+00.00	0	4.2183	100	0.00590	0.00989	0.01579	0.04736	1.4	1.4	1.4	0.04736	0.01579	6.3
1804+00.00	0	4.2143	100	0.00000	0.00968	0.00968	0.02904	0.9	0.9	0.9	0.02904	0.00968	3.9
1805+00.00	6.035	4.512	100	0.00693	0.01002	0.01694	0.05083	1.5	1.5	1.5	0.05083	0.01694	6.8
1806+00.00	0	4.8911	100	0.00693	0.01079	0.01772	0.05316	1.6	1.6	1.6	0.05316	0.01772	7.1
1806+07.19	0	4.8911	7.19	0.00000	0.00081	0.00081	0.00242	0.1	0.1	0.1	0.00242	0.00081	0.3
1806+69.11	0	5.3272	61.92	0.00000	0.00726	0.00726	0.02179	0.7	0.7	0.7	0.02179	0.00726	2.9
1807+00.00	0	5.3272	30.89	0.00000	0.00378	0.00378	0.01133	0.3	0.3	0.3	0.01133	0.00378	1.5
1807+45.61	0	5.3272	45.61	0.00000	0.00558	0.00558	0.01673	0.5	0.5	0.5	0.01673	0.00558	2.2
1807+89.75	5.4431	6.576	44.14	0.00276	0.00603	0.00879	0.02637	0.8	0.8	0.8	0.02637	0.00879	3.5
1808+00.00	5.4431	6.576	10.25	0.00128	0.00155	0.00283	0.00848	0.3	0.3	0.3	0.00848	0.00283	1.1
1809+00.00	5.349	6.2346	100	0.01239	0.01470	0.02709	0.08128	2.4	2.4	2.4	0.08128	0.02709	10.8
1810+00.00	4.959	6.0368	100	0.01183	0.01409	0.02592	0.07775	2.3	2.3	2.3	0.07775	0.02592	10.4
1811+00.00	5.7002	5.958	100	0.01224	0.01377	0.02600	0.07801	2.3	2.3	2.3	0.07801	0.02600	10.4
1812+00.00	5.6291	5.8938	100	0.01300	0.01360	0.02661	0.07982	2.4	2.4	2.4	0.07982	0.02661	10.6
1813+00.00	4.9995	5.814	100	0.01220	0.01344	0.02564	0.07692	2.3	2.3	2.3	0.07692	0.02564	10.3
1814+00.00	4.6704	5.7532	100	0.01110	0.01328	0.02438	0.07313	2.2	2.2	2.2	0.07313	0.02438	9.8
1815+00.00	4.6604	5.7129	100	0.01071	0.01316	0.02387	0.07161	2.1	2.1	2.1	0.07161	0.02387	9.5
1816+00.00	4.9547	5.5204	100	0.01104	0.01289	0.02393	0.07179	2.2	2.2	2.2	0.07179	0.02393	9.6
1817+00.00	0	5.0652	100	0.00569	0.01215	0.01784	0.05351	1.6	1.6	1.6	0.05351	0.01784	7.1
1818+00.00	0	0	100	0.00000	0.00581	0.00581	0.01744	0.5	0.5	0.5	0.01744	0.00581	2.3
1821+48.30	0	0	348.3	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1821+48.30	12.0126	0	0	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1822+00.00	12.0126	0	51.7	0.01426	0.00000	0.01426	0.04277	1.3	1.3	1.3	0.04277	0.01426	5.7
1823+00.00	0	0	100	0.01379	0.00000	0.01379	0.04137	1.2	1.2	1.2	0.04137	0.01379	5.5
1829+00.00	0	0	600	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1830+00.00	0	9.0056	100	0.00000	0.01034	0.01034	0.03101	0.9	0.9	0.9	0.03101	0.01034	4.1
1831+00.00	6.0373	7.0695	100	0.00693	0.01845	0.02538	0.07614	2.3	2.3	2.3	0.07614	0.02538	10.2
1832+00.00	0	0	100	0.00693	0.00811	0.01504	0.04513	1.4	1.4	1.4	0.04513	0.01504	6.0
1845+79.77	0	0	1379.77	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1845+81.30	0	0	0	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1849+00.00	0	0	318.70	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1850+00.00	5.3866	0	100	0.00618	0.00000	0.00618	0.01855	0.6	0.6	0.6	0.01855	0.00618	2.5
1851+00.00	4.7173	3.2474	100	0.01160	0.00373	0.01533	0.04598	1.4	1.4	1.4	0.04598	0.01533	6.1
1852+00.00	4.8735	3.5076	100	0.01101	0.00775	0.01876	0.05629	1.7	1.7	1.7	0.05629	0.01876	7.5
1853+00.00	5.0301	0	100	0.01137	0.00403	0.01539	0.04618	1.4	1.4	1.4	0.04618	0.01539	6.2
1854+00.00	5.2919	0	100	0.01185	0.00000	0.01185	0.03554	1.1	1.1	1.1	0.03554	0.01185	4.7
1855+00.00	5.5809	5.6387	100	0.01248	0.00647	0.01895	0.05686	1.7	1.7	1.7	0.05686	0.01895	7.6
1856+00.00	0	6.6812	100	0.00641	0.01414	0.02055	0.06164	1.8	1.8	1.8	0.06164	0.02055	8.2
1857+00.00	0	4.8149	100	0.00000	0.01320	0.01320	0.03959	1.2	1.2	1.2	0.03959	0.01320	5.3
SUB-TOTAL=						0.88	2.65	79.5	79.5	79.5	2.65	0.88	353.2

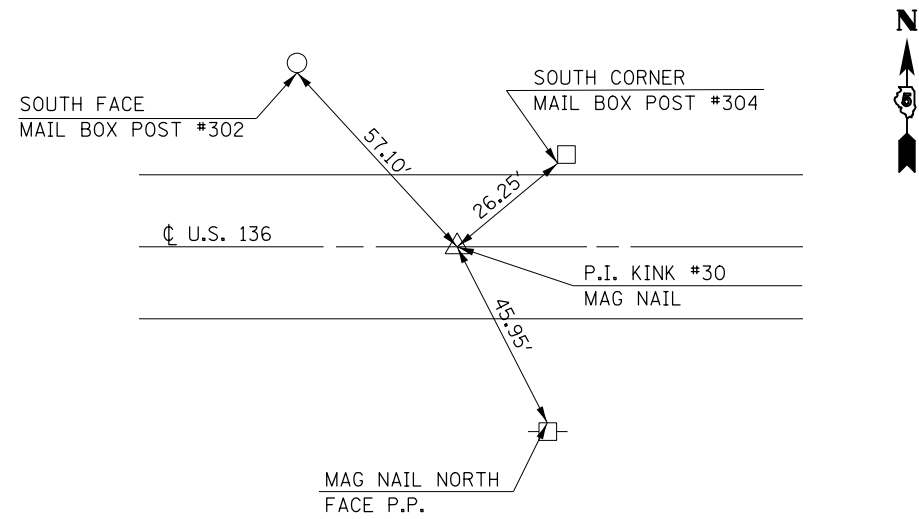
# SCHEDULE OF QUANTITIES

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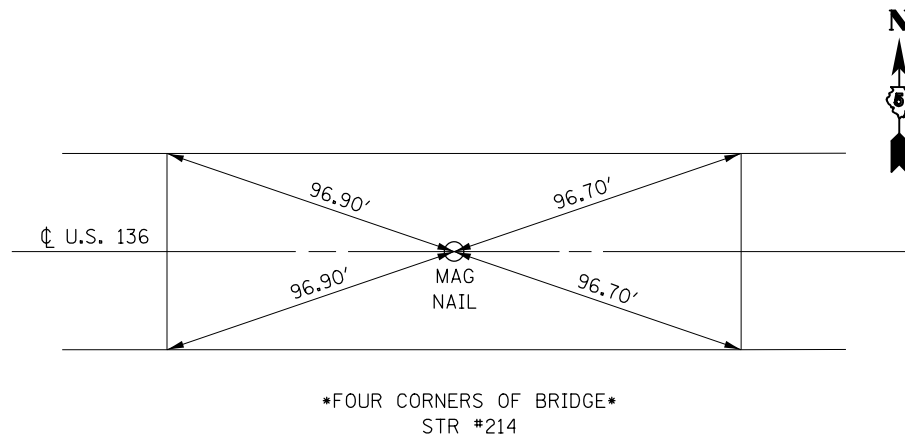
STATION	LT WIDTH (FEET)	RT WIDTH (FEET)	LENGTH (FEET)	AREA LEFT (ACRES)	AREA RIGHT (ACRES)	SEEDING, CLASS 2A 25000210 (ACRE)	SEEDING, CLASS 7 25000350 (ACRE)	NITROGEN FERT NUTRIENT 25000400 (POUND)	PHOSPHOROUS FERT NUTRIENT 25000500 (POUND)	POTASSIUM FERT NUTRIENT 25000600 (POUND)	MULCH, METHOD 2 25100115 (ACRE)	MULCH, METHOD 3 25100125 (ACRE)	TEMPORARY EROSION CONTROL SEEDING 28000250 (POUND)
1857+00.00	0	4.8149											
1858+00.00	0	2.3517	100	0	0.00823	0.00823	0.02468	0.7	0.7	0.7	0.02468	0.00823	3.3
1859+00.00	0	6.848	100	0	0.01056	0.01056	0.03168	1.0	1.0	1.0	0.03168	0.01056	4.2
1860+00.00	0	1.3184	100	0	0.00937	0.00937	0.02812	0.8	0.8	0.8	0.02812	0.00937	3.7
1861+00.00	1.542	1.125	100	0.00177	0.00280	0.00457	0.01372	0.4	0.4	0.4	0.01372	0.00457	1.8
1862+00.00	0	0	100	0.00177	0.00129	0.00306	0.00918	0.3	0.3	0.3	0.00918	0.00306	1.2
1863+00.00	1.8991	1.9747	100	0.00218	0.00227	0.00445	0.01334	0.4	0.4	0.4	0.01334	0.00445	1.8
1864+00.00	0.8985	13.499	100	0.00321	0.01776	0.02097	0.06292	1.9	1.9	1.9	0.06292	0.02097	8.4
1865+00.00	1.3393	1.1918	100	0.00257	0.01686	0.01943	0.05829	1.7	1.7	1.7	0.05829	0.01943	7.8
1866+00.00	0	1.1859	100	0.00154	0.00273	0.00427	0.01280	0.4	0.4	0.4	0.01280	0.00427	1.7
1866+43.33	0	1.1859	43.33	0.00000	0.00118	0.00118	0.00354	0.1	0.1	0.1	0.00354	0.00118	0.5
1866+88.78	0.9144	1.2827	45.45	0.00048	0.00129	0.00176	0.00529	0.2	0.2	0.2	0.00529	0.00176	0.7
1867+00.00	0.9144	1.2827	11.22	0.00024	0.00033	0.00057	0.00170	0.1	0.1	0.1	0.00170	0.00057	0.2
1868+00.00	0	0	100	0.00105	0.00147	0.00252	0.00757	0.2	0.2	0.2	0.00757	0.00252	1.0
1886+00.00	0	0	1800	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1887+00.00	0	19.4209	100	0.00000	0.02229	0.02229	0.06688	2.0	2.0	2.0	0.06688	0.02229	8.9
1888+00.00	0	19.6329	100	0.00000	0.04483	0.04483	0.13448	4.0	4.0	4.0	0.13448	0.04483	17.9
1889+00.00	0	3.9256	100	0.00000	0.02704	0.02704	0.08112	2.4	2.4	2.4	0.08112	0.02704	10.8
1890+00.00	0	0	100	0.00000	0.00451	0.00451	0.01352	0.4	0.4	0.4	0.01352	0.00451	1.8
1894+12.98	0	0	412.98	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1894+12.98	5.6325	0	0	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1895+00.00	5.6325	0	87.02	0.01125	0.00000	0.01125	0.03376	1.0	1.0	1.0	0.03376	0.01125	4.5
1896+00.00	0	0	100	0.00647	0.00000	0.00647	0.01940	0.6	0.6	0.6	0.01940	0.00647	2.6
1897+00.00	0	0	100	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1898+00.00	3.04	0	100	0.00349	0.00000	0.00349	0.01047	0.3	0.3	0.3	0.01047	0.00349	1.4
1899+00.00	0	0	100	0.00349	0.00000	0.00349	0.01047	0.3	0.3	0.3	0.01047	0.00349	1.4
1912+00.00	0	0	1300	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
1913+00.00	1.9664	2.2528	100	0.00226	0.00259	0.00484	0.01453	0.4	0.4	0.4	0.01453	0.00484	1.9
1914+00.00	0	18.9834	100	0.00226	0.02438	0.02663	0.07990	2.4	2.4	2.4	0.07990	0.02663	10.7
1915+00.00	0	0	100	0.00000	0.02179	0.02179	0.06537	2.0	2.0	2.0	0.06537	0.02179	8.7
1916+00.00	0	3.3802	100	0.00000	0.00388	0.00388	0.01164	0.3	0.3	0.3	0.01164	0.00388	1.6
1917+00.00	0	0	100	0.00000	0.00388	0.00388	0.01164	0.3	0.3	0.3	0.01164	0.00388	1.6
1924+94.14	0	0	794.14	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.00000	0.00000	0.0
SUB-TOTAL PAGE 2 =						0.28	0.83	24.8	24.8	24.8	0.83	0.28	110.1
SUB-TOTAL PAGE 1 =						0.88	2.65	79.5	79.5	79.5	2.65	0.88	353.2
TOTAL =						1.16	3.48	104.3	104.3	104.3	3.48	1.16	463.4
ROUND TO						1.25	3.75	120.0	120.0	120.0	3.75	1.25	500.0

NOTES: WIDTHS MEASURED FROM X-SECTIONS ON CADD.  
 LENGTHS = STA - STA = 1787+00.00 - 1786+00.00 = 100'.  
 AREA = LENGTH (') X WIDTH (') (AVERAGE LEFT OR RIGHT) / 43,560.0 SQ FT / ACRE  
 100' x ((6.8788+6.1608)/2) / 43,560 sq ft / acre = 0.01497 acre  
 AREA FOR SEEDING CLASS 7 = (AREA FOR SEEDING CLASS 2A) X 3  
 TEMPORARY EROSION CONTROL SEEDING = 4 APPLICATIONS OF 100 POUNDS / ACRE  
 MULCH, METHOD 2 SHALL BE USED FOR SEEDING CLASS 7  
 MULCH, METHOD 3 SHALL BE USED FOR SEEDING CLASS 2A  
 APPLICATION RATES OF FERTILIZER NUTRIENTS = 90 POUNDS / ACRE

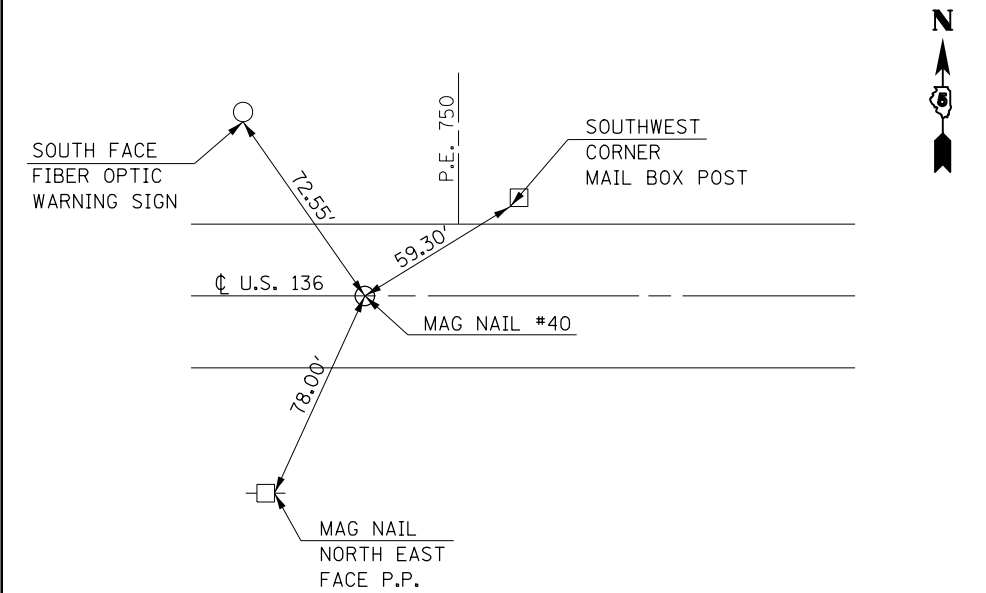
**PI KINK #30**  
**STA. 1768 + 63.71**



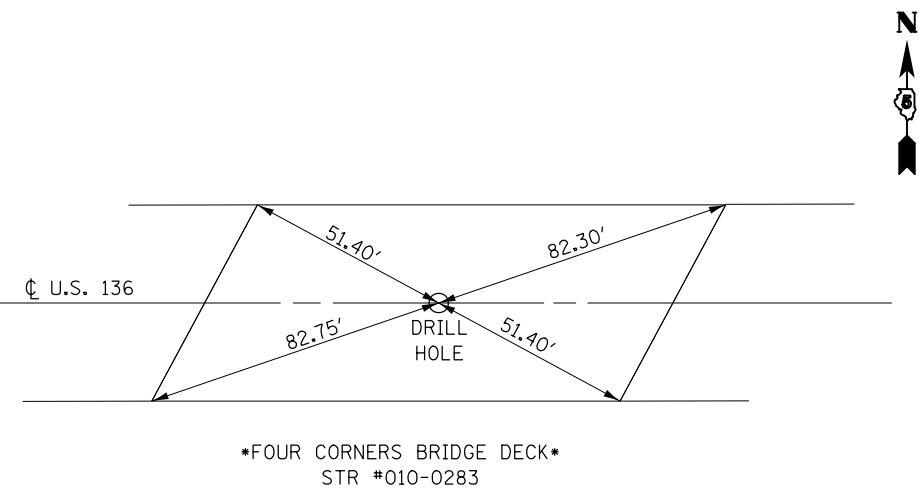
**POT #15 STA. 1833 + 94**  
**\*BASIS OF STATION W-136\***



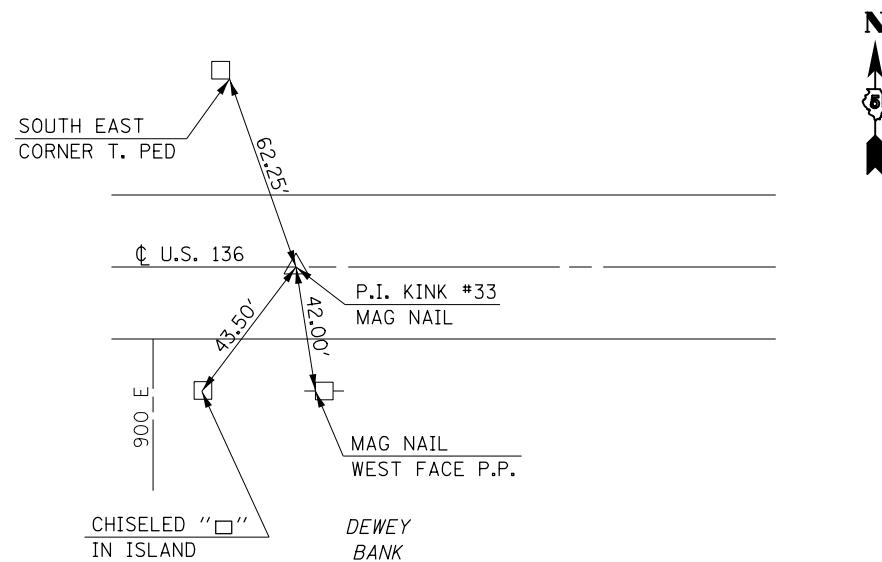
**POT #40**  
**STA. 1845 + 79.77 BK = STA. 1845 + 81.30 AH**  
**\*STATION EQUATION\***



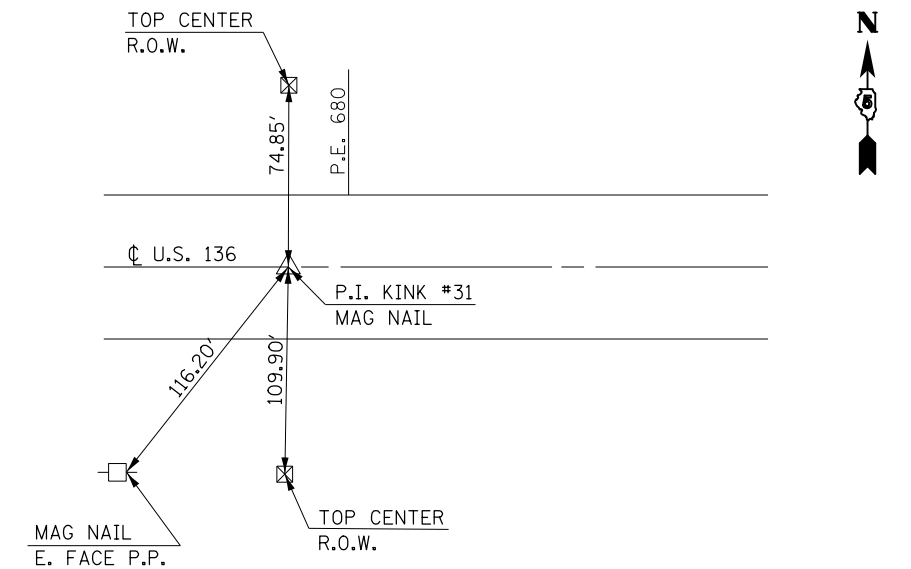
**POT #20 STA. 1893 + 15.65**  
**\*BASIS OF STATIONING E-136\***



**PI KINK #33**  
**STA. 1926 + 33.11**



**PI KINK #31**  
**STA. 1806 + 28.86**



FILE NAME =	USER NAME = bergene.j	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\DRAWING\Design\0579A56-sh1-ATB.dgn		CHECKED -	REVISED -
*MODELNAME*	PLOT DATE = 12/10/2015	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

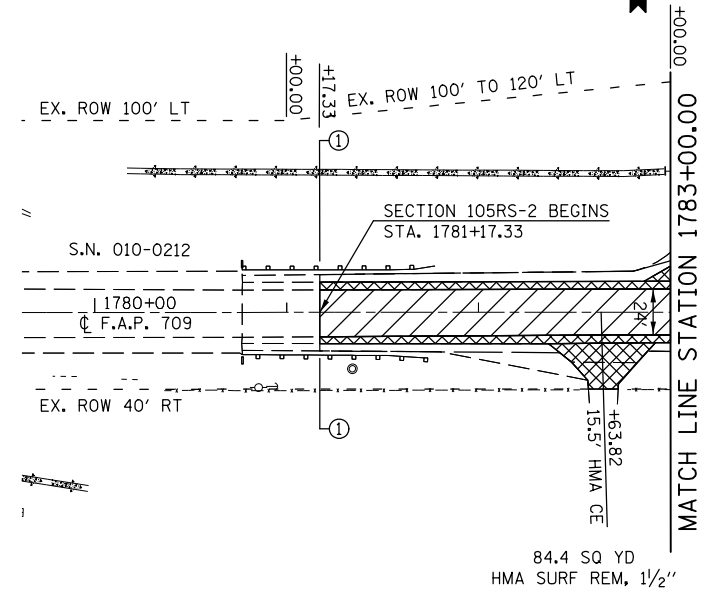
**ALIGNMENTS, TIE POINTS**  
**& BENCHMARKS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	16
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

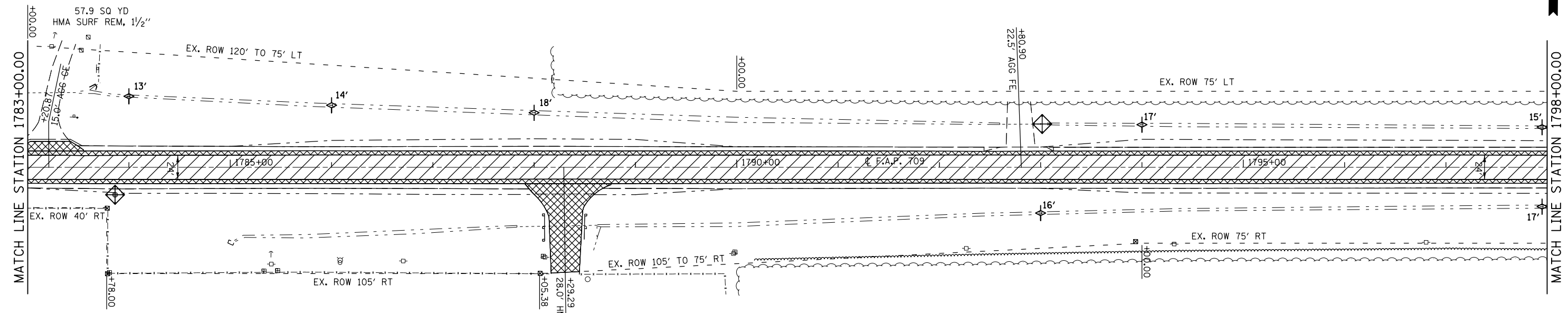


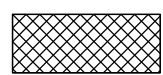
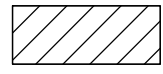
SEC 31, T 22 N, R 8 E, 3RD PM





SEC 6, T 21 N, R 8 E, 3RD PM

SEC 31, T 22 N, R 8 E, 3RD PM



-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

-  TEMPORARY DITCH CHECK
-  INLET & PIPE PROTECTION

SEC 6, T 21 N, R 8 E, 3RD PM

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -
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#MODELNAME#	PLOT DATE = 12/10/2015	DATE -	REVISED -

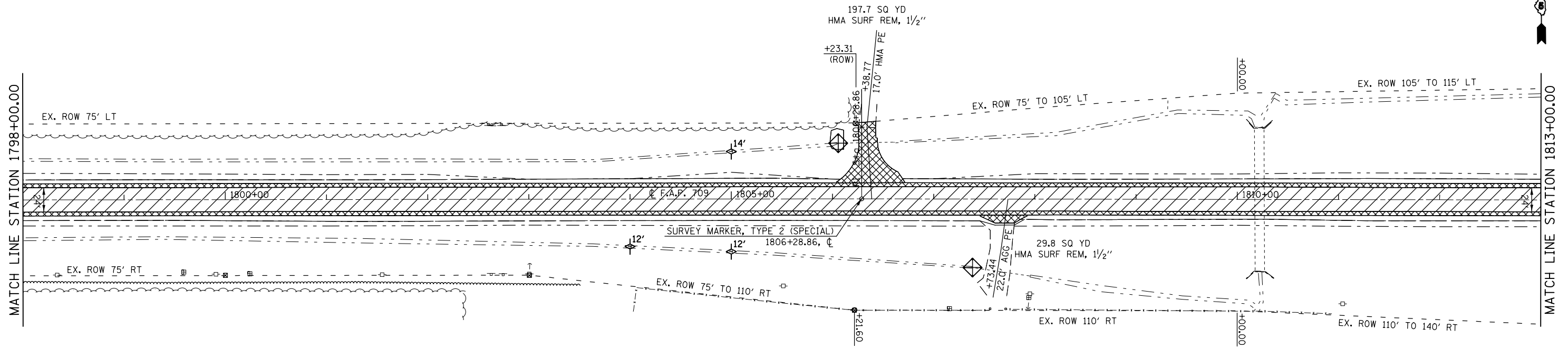
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 1 OF 6 SHEETS STA. 1781+17.33 TO STA. 1798+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104,105)RS-2	CHAMPAIGN	113	17
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

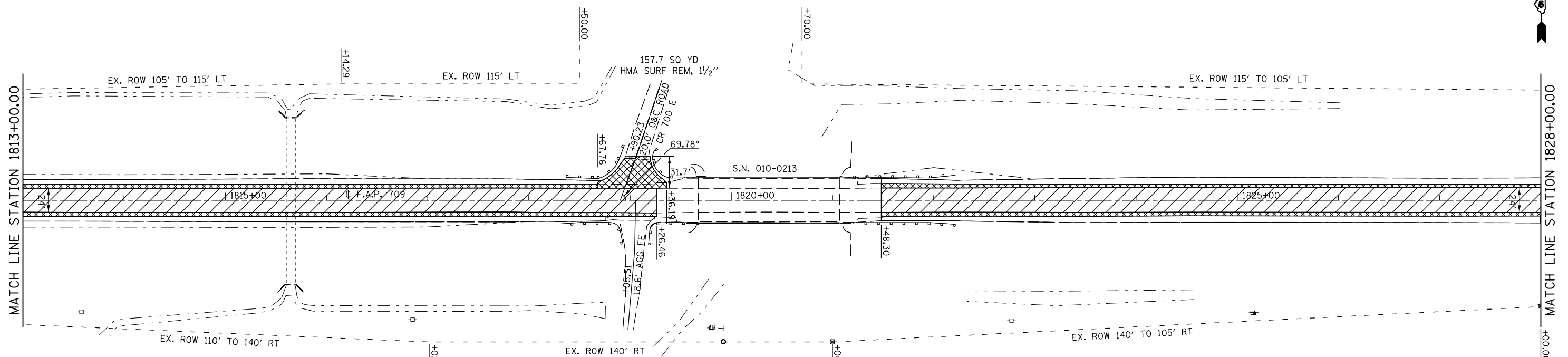
SEC 31, T 22 N, R 8 E, 3RD PM



SEC 6, T 21 N, R 8 E, 3RD PM

SEC 31, T 22 N, R 8 E, 3RD PM

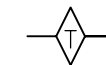
SEC 32, T 22 N, R 8 E, 3RD PM



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"



TEMPORARY DITCH CHECK



INLET & PIPE PROTECTION

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
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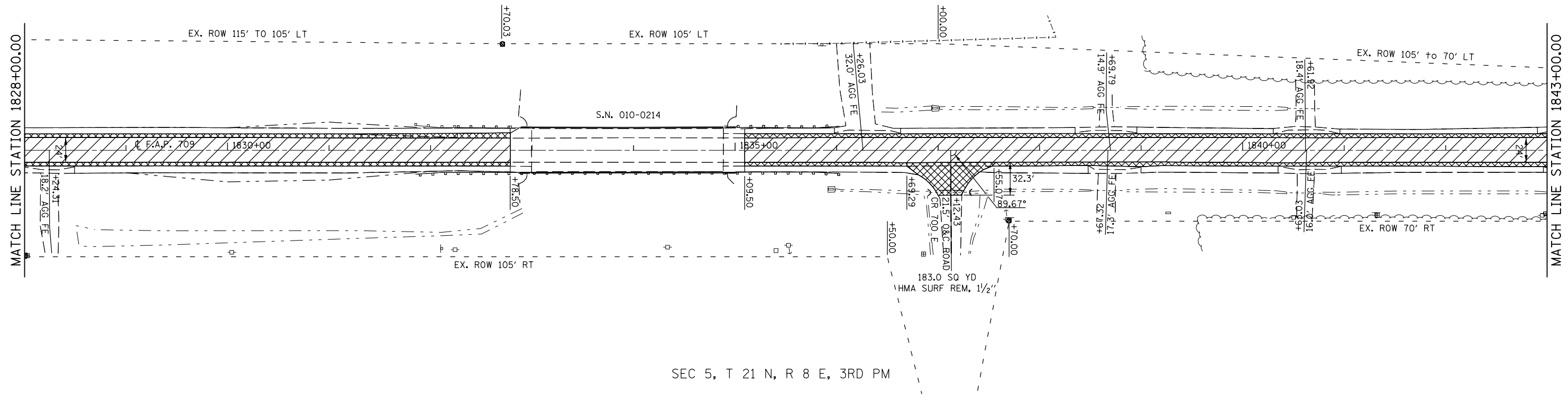
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 2 OF 6 SHEETS STA. 1798+00.00 TO STA. 1828+00.00

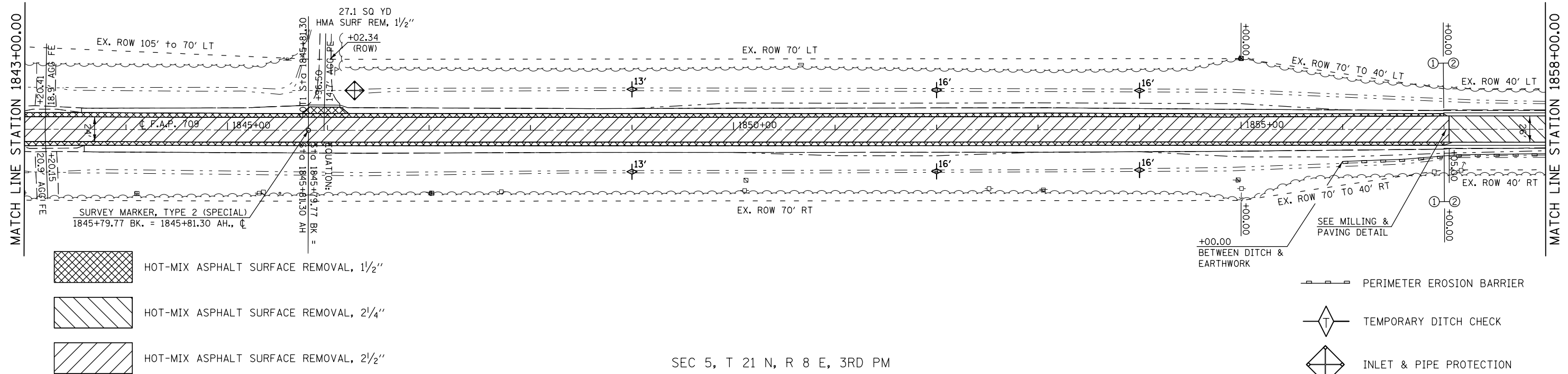
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104,105)RS-2	CHAMPAIGN	113	18
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

SEC 32, T 22 N, R 8 E, 3RD PM

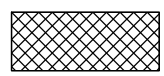
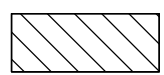
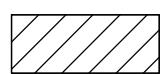


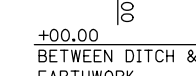


SEC 5, T 21 N, R 8 E, 3RD PM

SEC 32, T 22 N, R 8 E, 3RD PM



SEC 5, T 21 N, R 8 E, 3RD PM

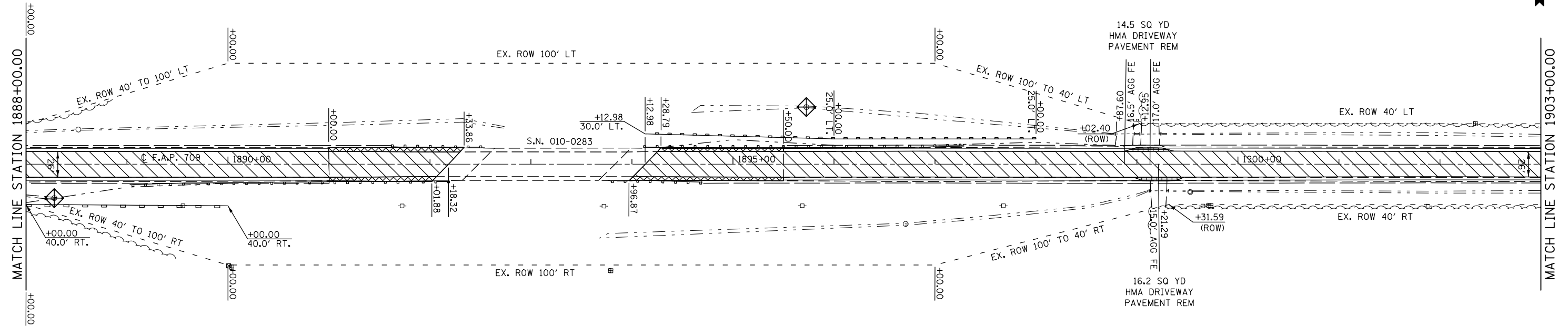
-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET & PIPE PROTECTION

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE. 709	SECTION (104,105)RS-2	COUNTY CHAMPAIGN	TOTAL SHEETS 113	SHEET NO. 19	
pw:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0579A56-shd-DblPin.561	DRAWN -	CHECKED -	REVISED -		SCALE:	SHEET 3 OF 6 SHEETS	STA. 1828+00.00 TO STA. 1858+00.00	CONTRACT NO. 70A56				
*MODELNAME#	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 12/10/2015											

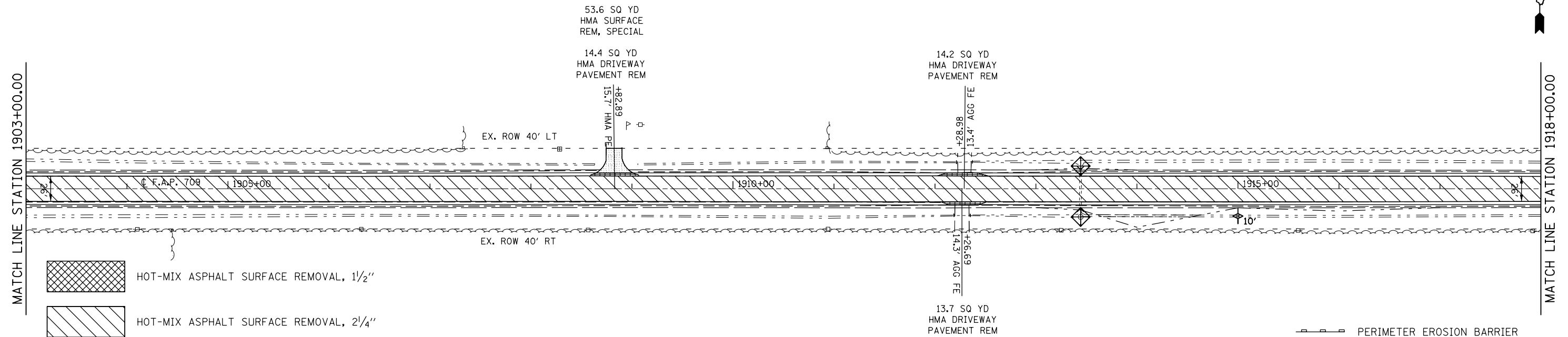


SEC 33, T 22 N, R 8 E, 3RD PM










SEC 4, T 21 N, R 8 E, 3RD PM

SEC 33, T 22 N, R 8 E, 3RD PM



SEC 4, T 21 N, R 8 E, 3RD PM

-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL
-  HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET & PIPE PROTECTION

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -
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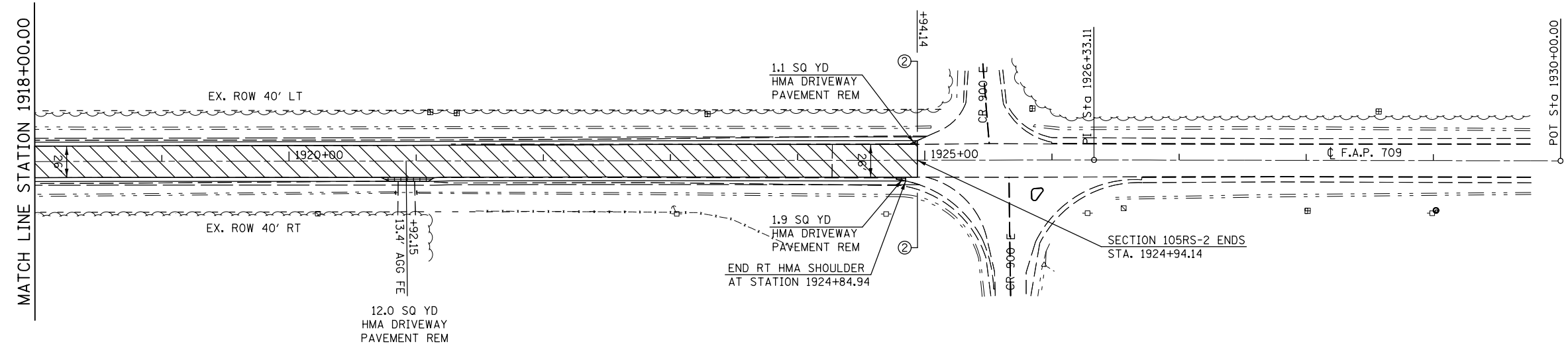
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET  
SCALE: SHEET 5 OF 6 SHEETS STA. 1888+00.00 TO STA. 1918+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104,105)RS-2	CHAMPAIGN	113	21
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

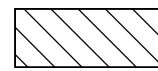
SEC 33, T 22 N, R 8 E, 3RD PM

SEC 34, T 22 N, R 8 E, 3RD PM

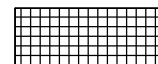


SEC 4, T 21 N, R 8 E, 3RD PM

SEC 3, T 21 N, R 8 E, 3RD PM



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"



HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL

 PERIMETER EROSION BARRIER

 TEMPORARY DITCH CHECK

 INLET & PIPE PROTECTION

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED -
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*MODELNAME*	PLOT DATE = 12/10/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: SHEET 6 OF 6 SHEETS STA. 1918+00.00 TO STA. 1924+94.14

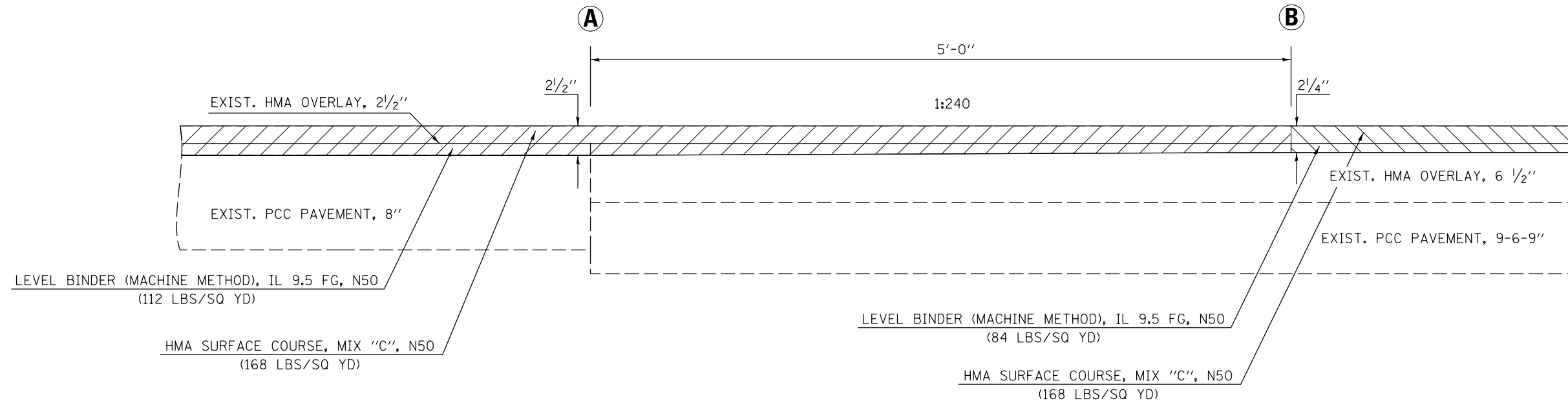
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104,105)RS-2	CHAMPAIGN	113	22
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

# SURFACE REMOVAL TRANSITION AND PAVING DETAIL

**Ⓐ**  
STATION  
 1857+00.00

TO

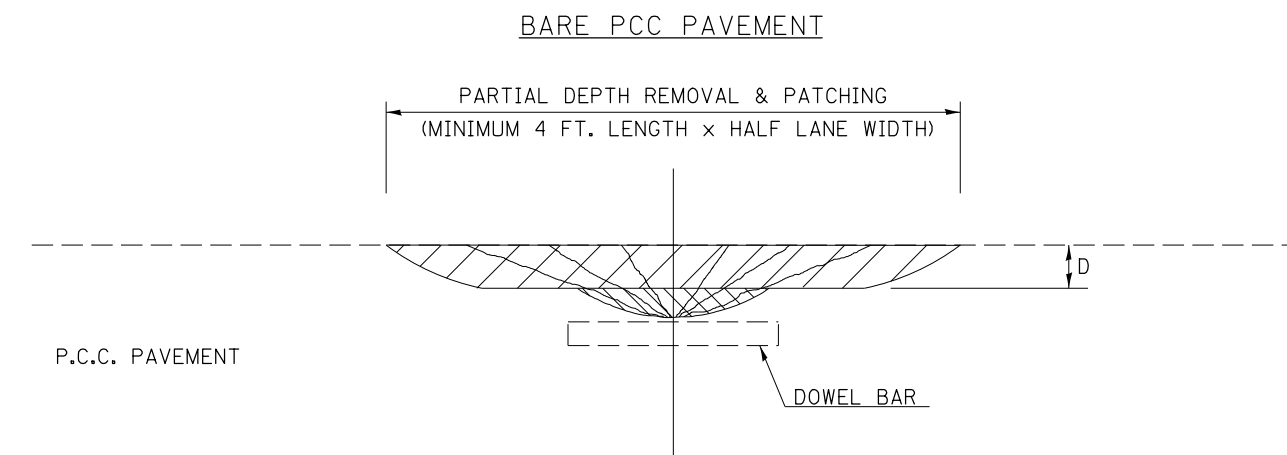
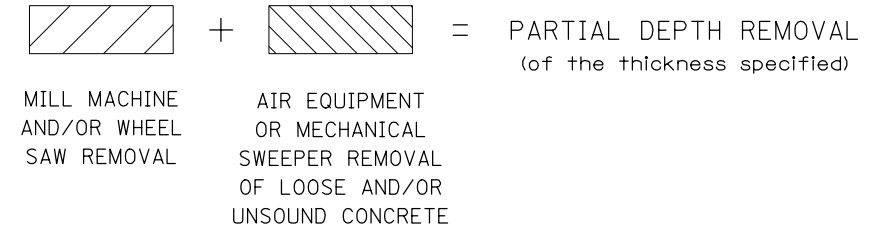
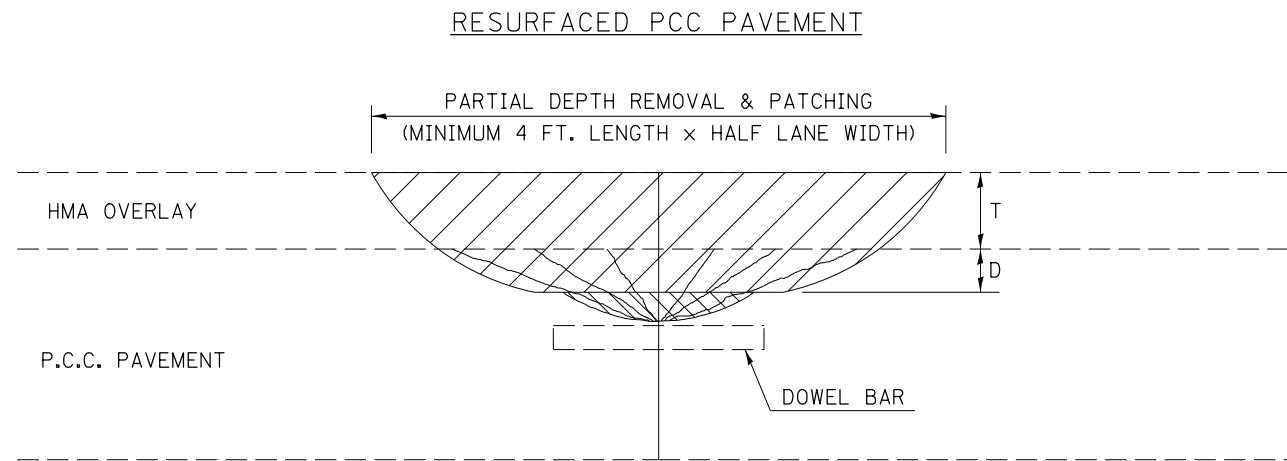
**Ⓑ**  
STATION  
 1857+05.00



- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

HMA SURFACE REMOVAL DEPTH TRANSITIONS SHALL BE PAID FOR AS THE REMOVAL ITEM OF THE GREATER DEPTH

FILE NAME =	USER NAME = bergenej	DESIGNED - BJM 9/30/2015	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MILLING &amp; PAVING TRANSITION DETAIL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						709	105RS-2	CHAMPAIGN	113	23	
						CONTRACT NO. 70A56					
						ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET 1 OF 1 SHEETS		STA.		TO STA.	



**GENERAL NOTES**

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/10/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING**

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

**PARTIAL DEPTH PATCHING DETAIL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A56	





**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

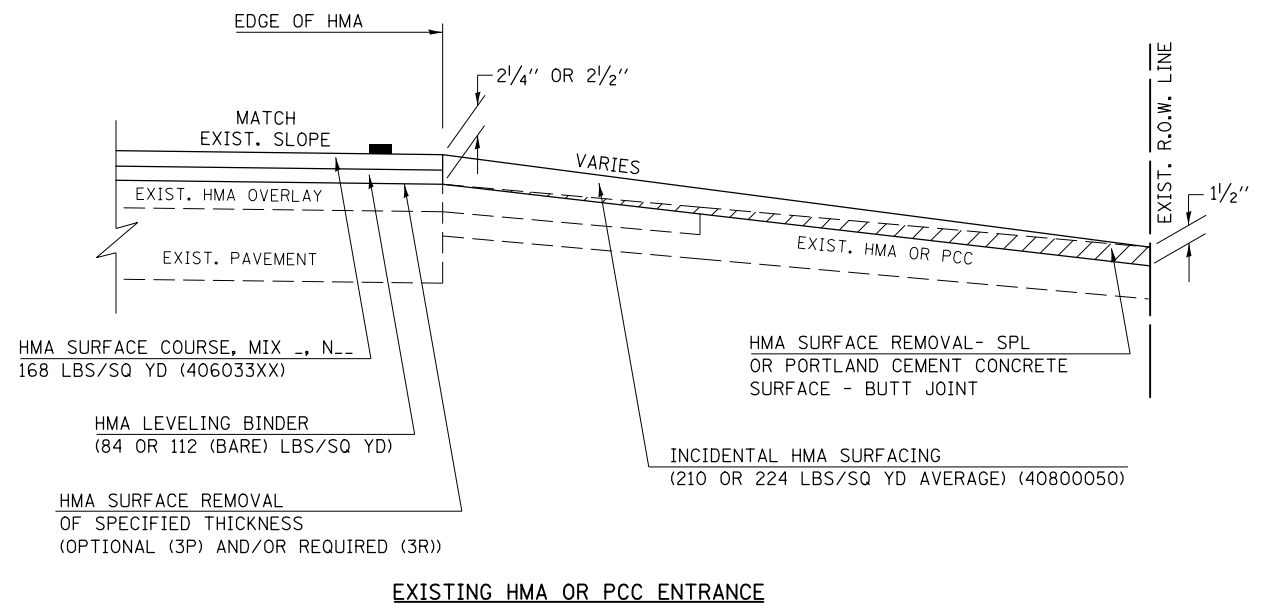
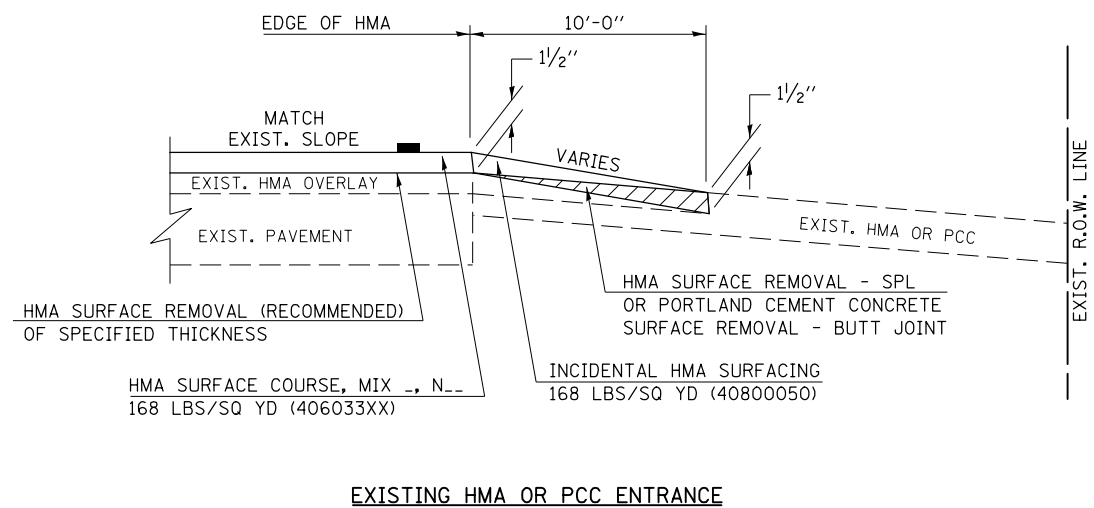
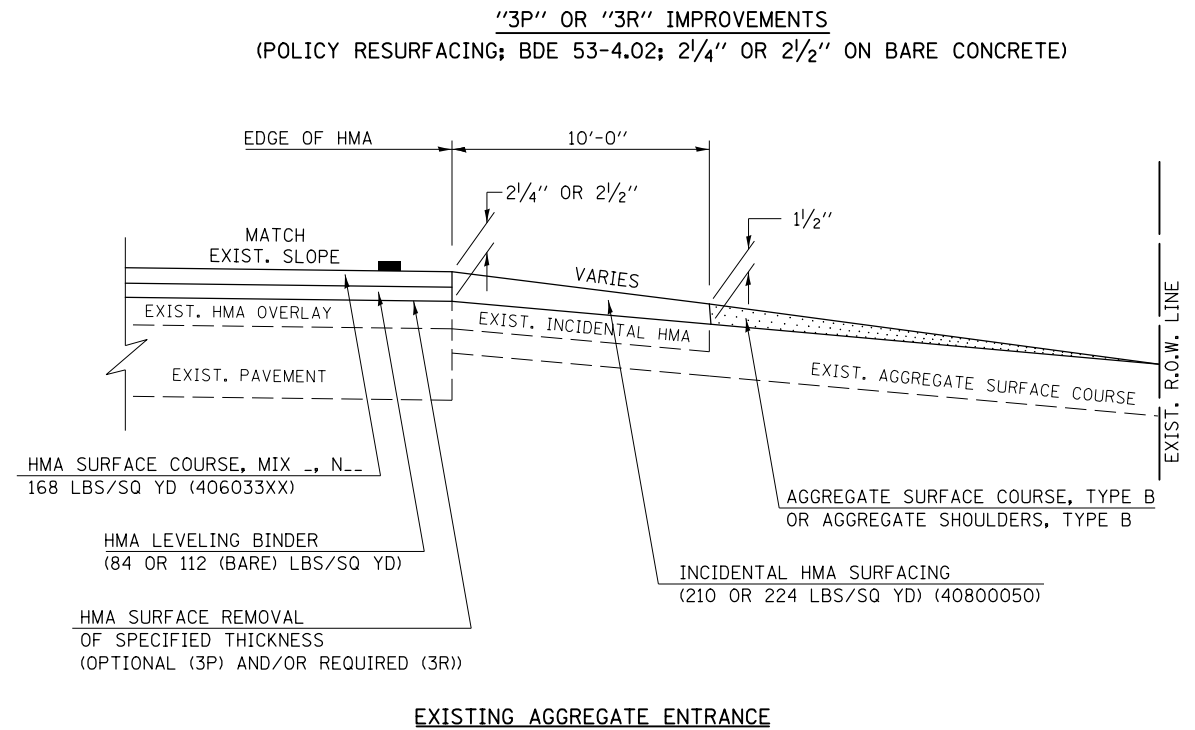
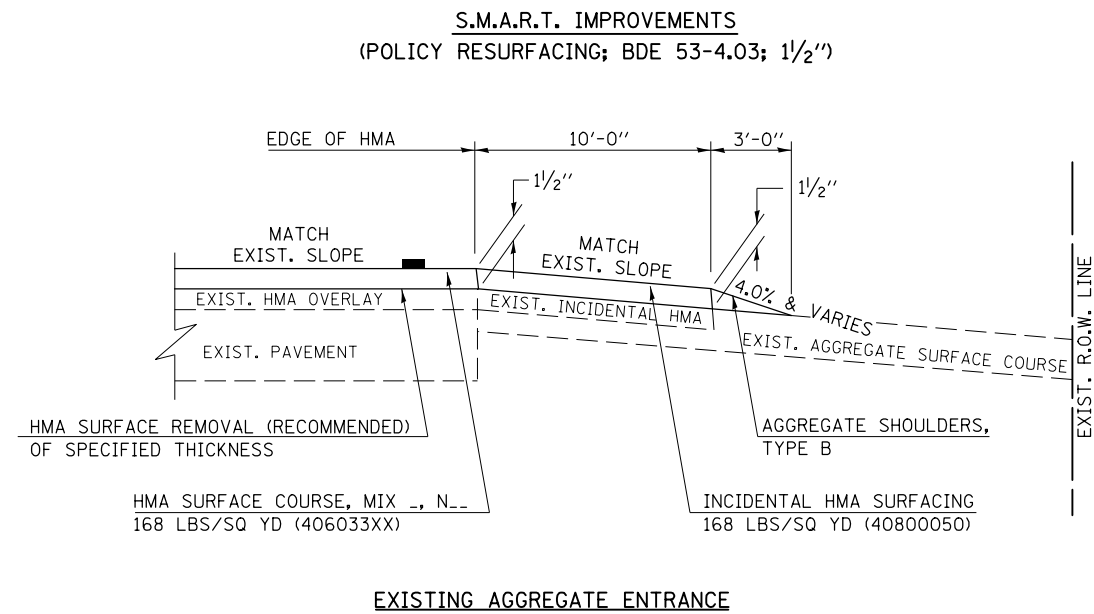
RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)							1 LANE, 1 WAY						1 LANE, 1 WAY			
							14 16 24									
							2 LANE, 2 WAY						2 LANE, 2 WAY			
							24 30 35									
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
<b>SURFACE TYPE</b>																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8								

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 40800050A**

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED - 12/01/06 TJB	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIELD ENTRANCES (NONCOMMERCIAL RURAL)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0570A56-Design\0570A56-shd-Detail.dwg	DRAWN	REVISED - 09/21/07 KAG	709			105RS-2	CHAMPAIGN	113	26	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/30/08 KJT	CONTRACT NO. 70A56							
PLOT DATE = 12/10/2015	DATE -	REVISED -	SCALE: NA			SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

# PROJECTS WITHOUT RECONSTRUCTION



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 4080050C**

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED - 12/08/06 TJB
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\DRAWING\Design\0579A56-shr-Detail.dwg		CHECKED -	REVISED - 09/21/07 KAG
		DATE -	REVISED - 05/02/08 KJT
			REVISED - 04/23/10 KJT

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

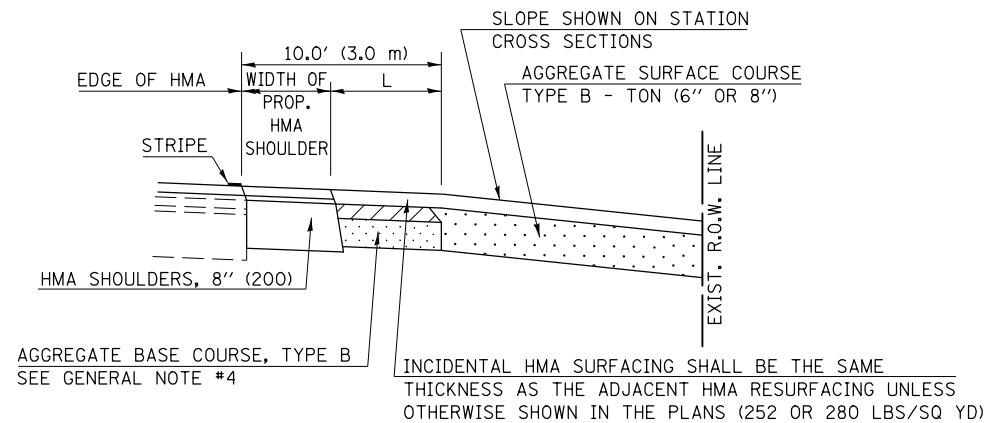
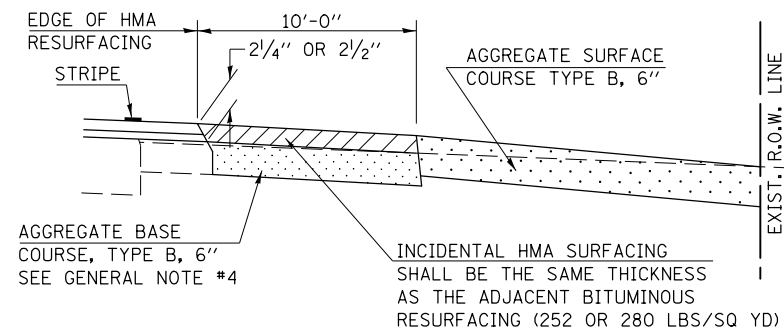
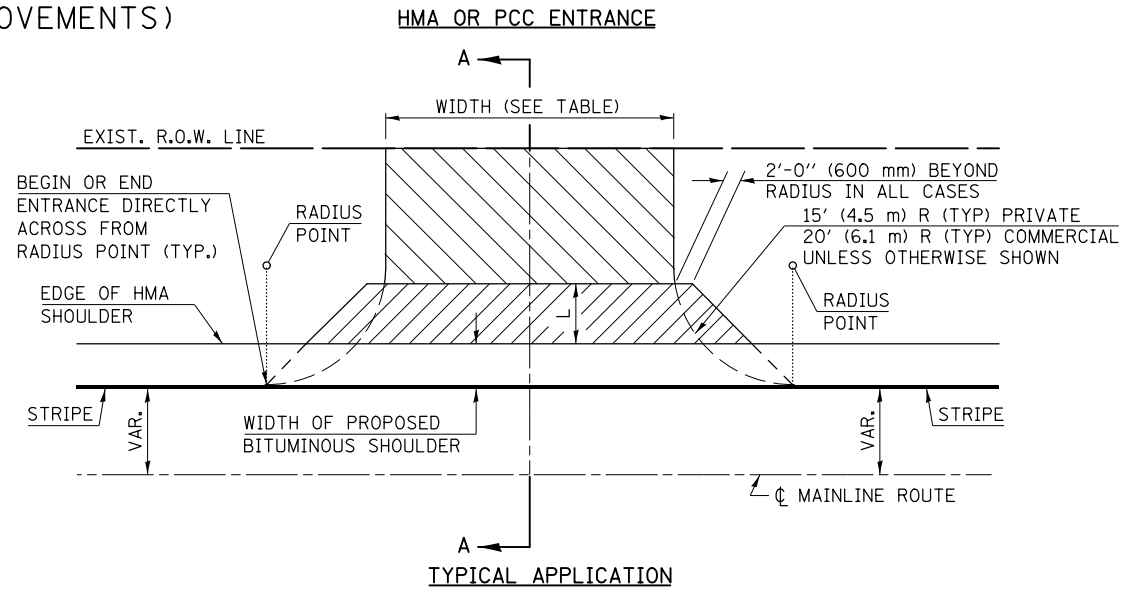
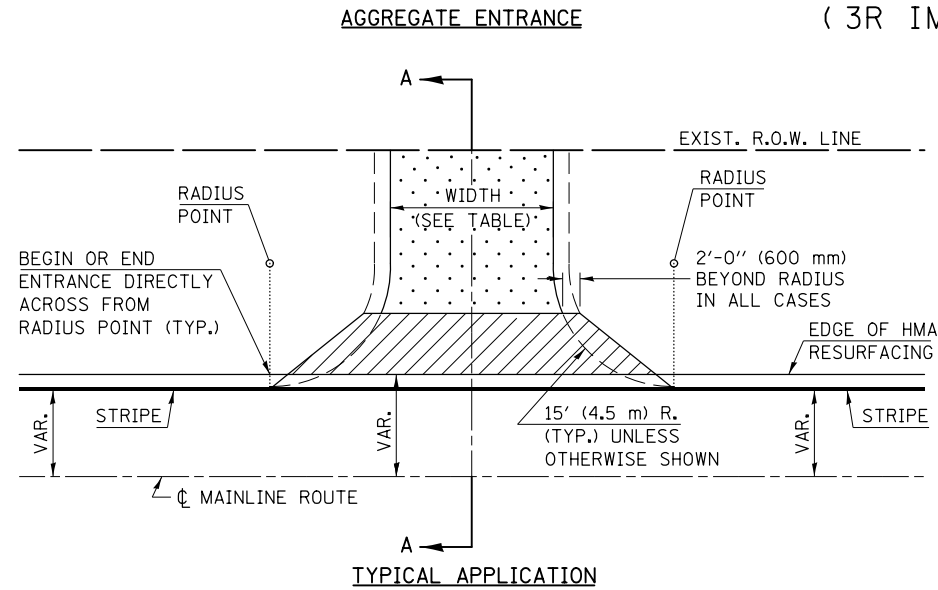
**PRIVATE AND COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A56	

# PROJECTS WITH RECONSTRUCTION

( 3R IMPROVEMENTS )



### GENERAL NOTES

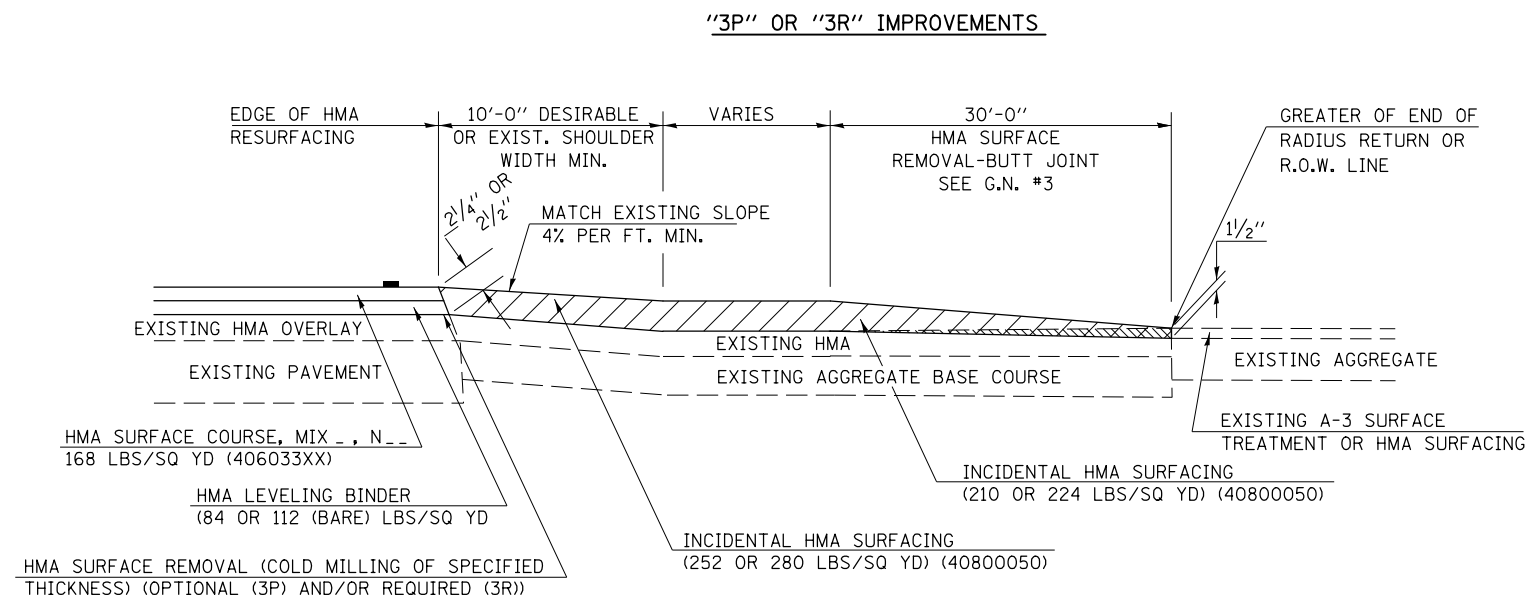
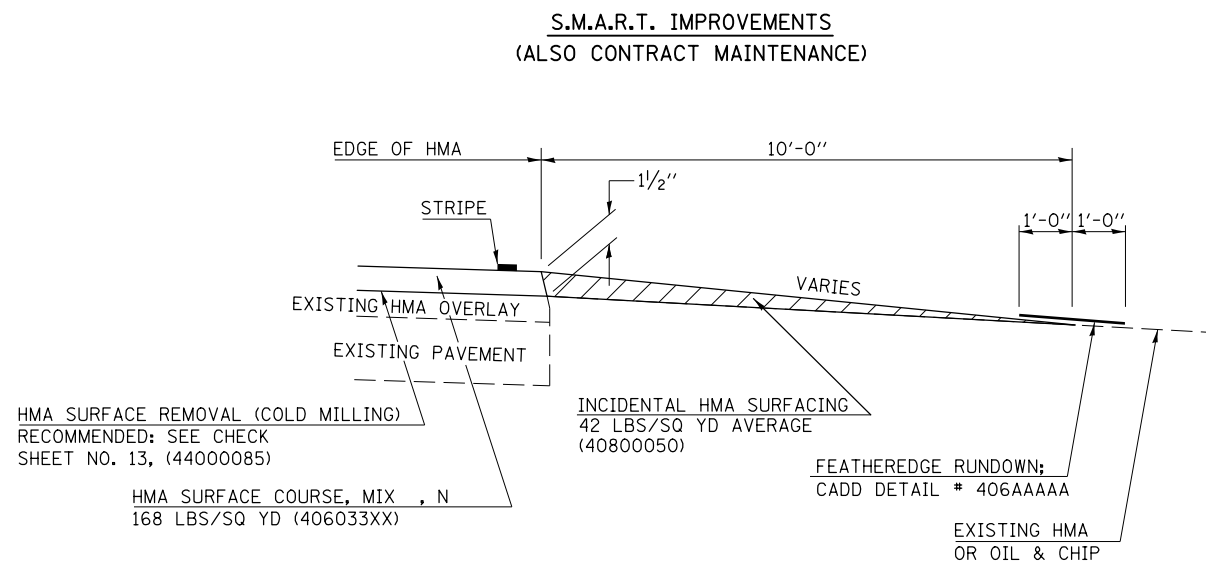
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL						NONCOMMERCIAL								
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12, 16, 24, 24, 30						1 LANE, 1 WAY			resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
							14, 16, 24								
RADIUS (FT)	15, 25, 40, 30, 30						2 LANE, 2 WAY								
							24, 30, 35								
SHOULDER WIDTH (FT)	2, 2, 4, 2, 2						1, 3, 3								
SHOULDER SLOPE (%)	2, 4, 6, 4, 4						2, 4, 6								
ENTRANCE GRADE (%)	0, 2 to 5, 10 or 12, 2 to 5, 10 or 12						0, 2 to 5, 8 or 10								
SIDE SLOPE (FT)	1:10, 1:6, 1:4, 1:6, 1:4						1:10, 1:6, 1:4								
<b>SURFACE TYPE</b>															
INCIDENTAL HMA SURFACING (INCH)	2, 2, 4, 2, 2						3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6, 6, 6, 6, 6						8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)	6, 6, 6, 6, 6						6 or 8								

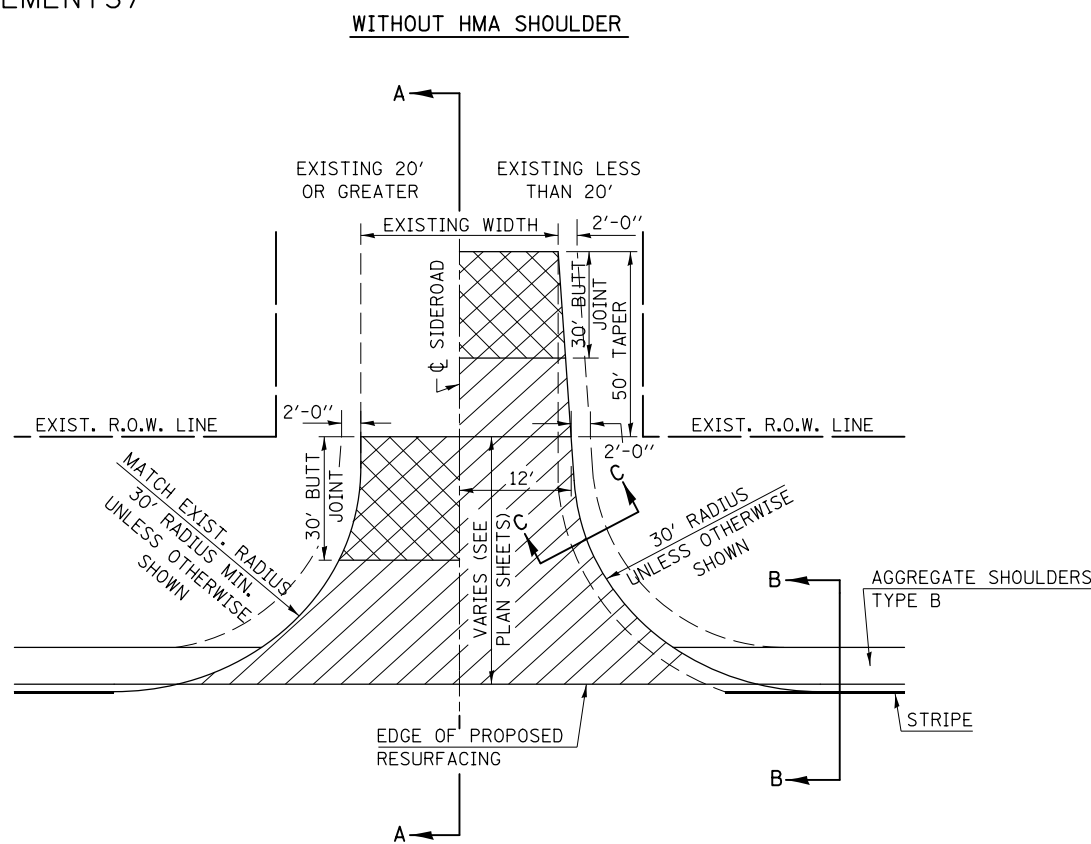
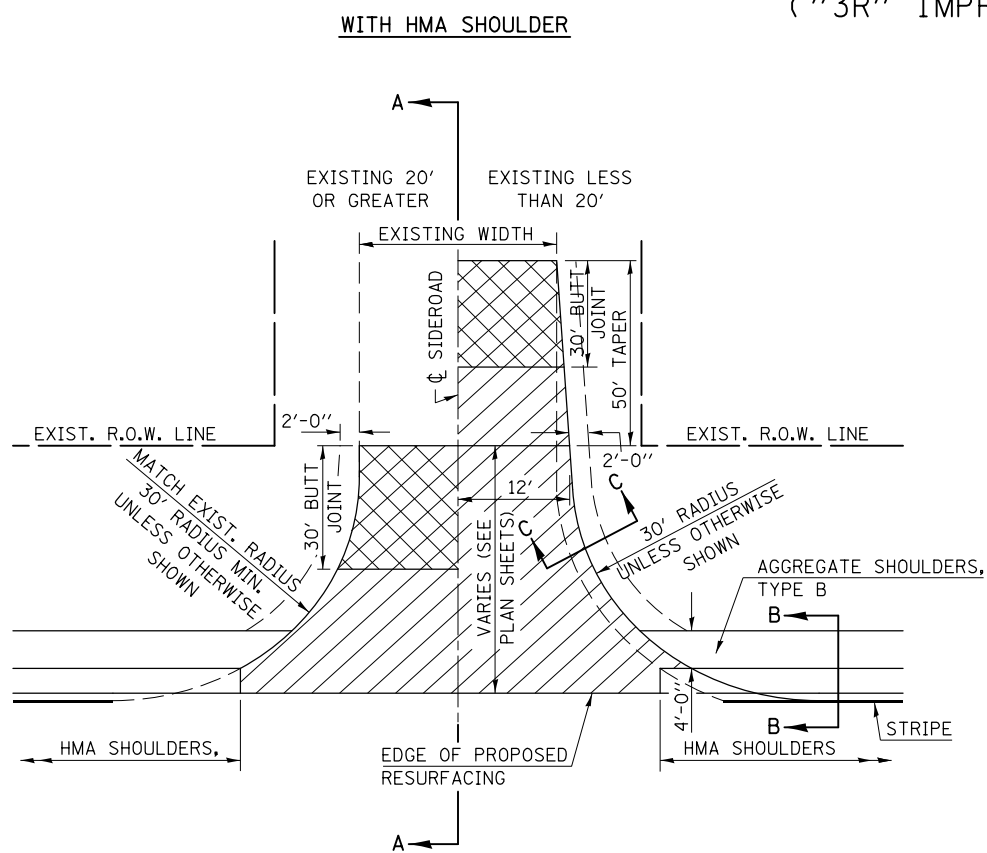
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

### DISTRICT 5 DETAIL NO. 4080050C

# PROJECTS WITHOUT RECONSTRUCTION



# PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

## DISTRICT 5 DETAIL NO. 408000AA

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED - 12/13/06 TJB
pw:\IL084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0579A56-shd-Detail.dwg		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 12/21/09 KJT
		DATE -	REVISED -

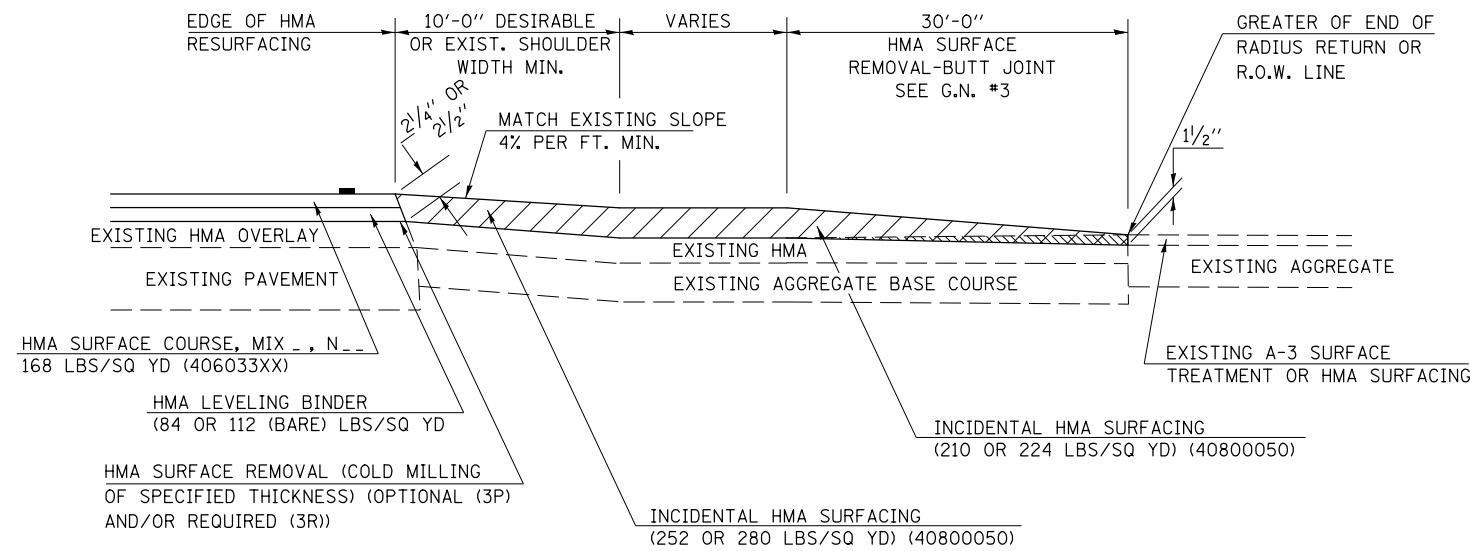
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

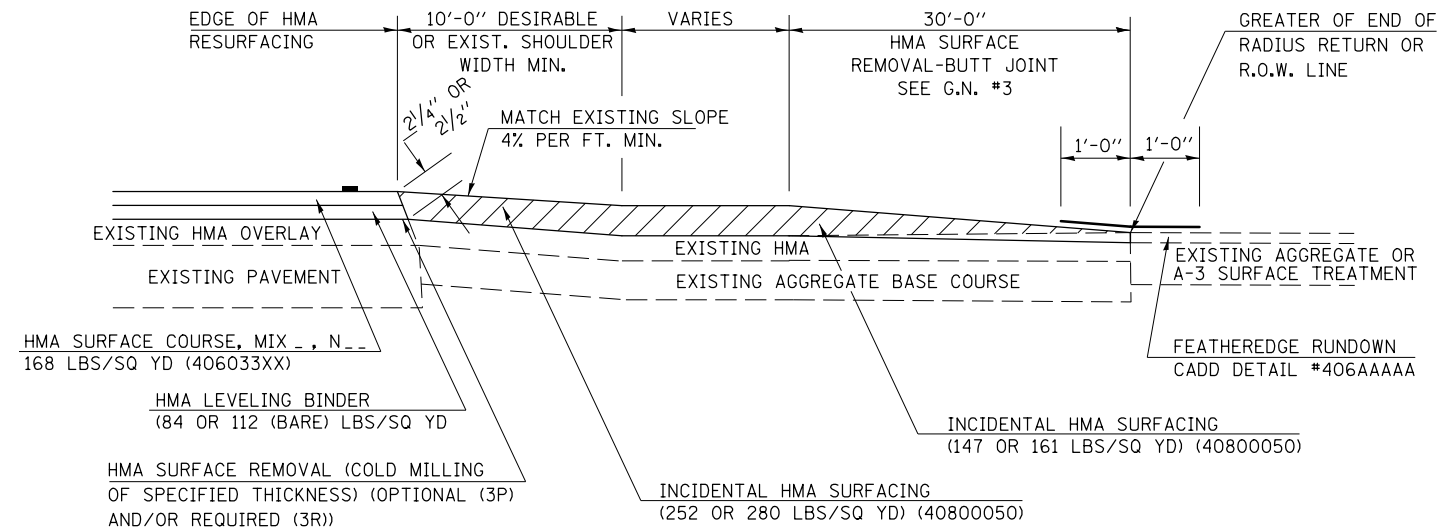
SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	29
CONTRACT NO. 70A56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

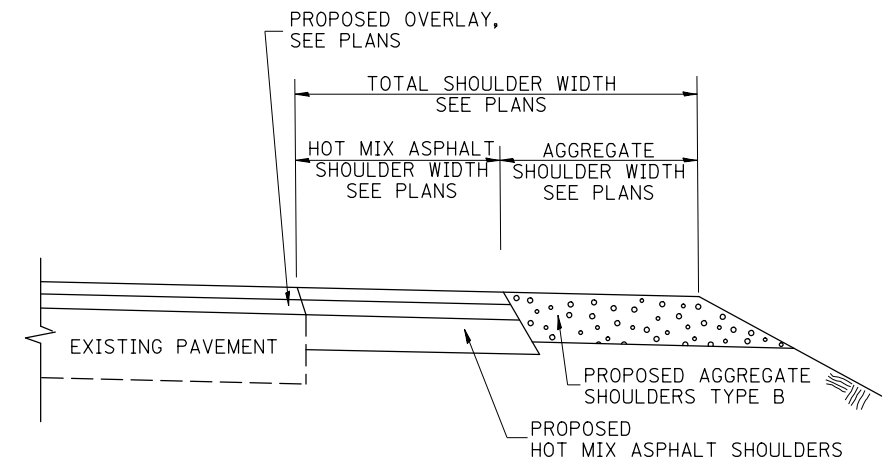
**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



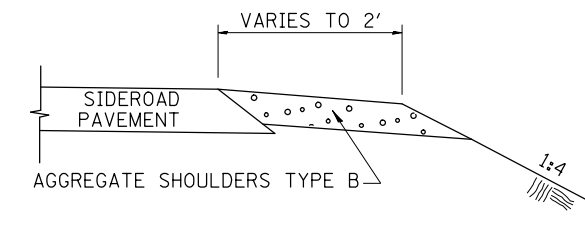
**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
<b>SURFACE TYPE</b>									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



**SECTION B-B**  
MAINLINE SHOULDER TREATMENT



**SECTION C-C**  
SIDEROAD SHOULDER TREATMENT

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 408000AA**

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED - 12/13/06 TJB
pw:\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0570\Design\0570A56-shr-Detail.dwg		DRAWN -	REVISED - 09/21/07 KAG
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	PLOT DATE = 12/10/2015	DATE -	REVISED -

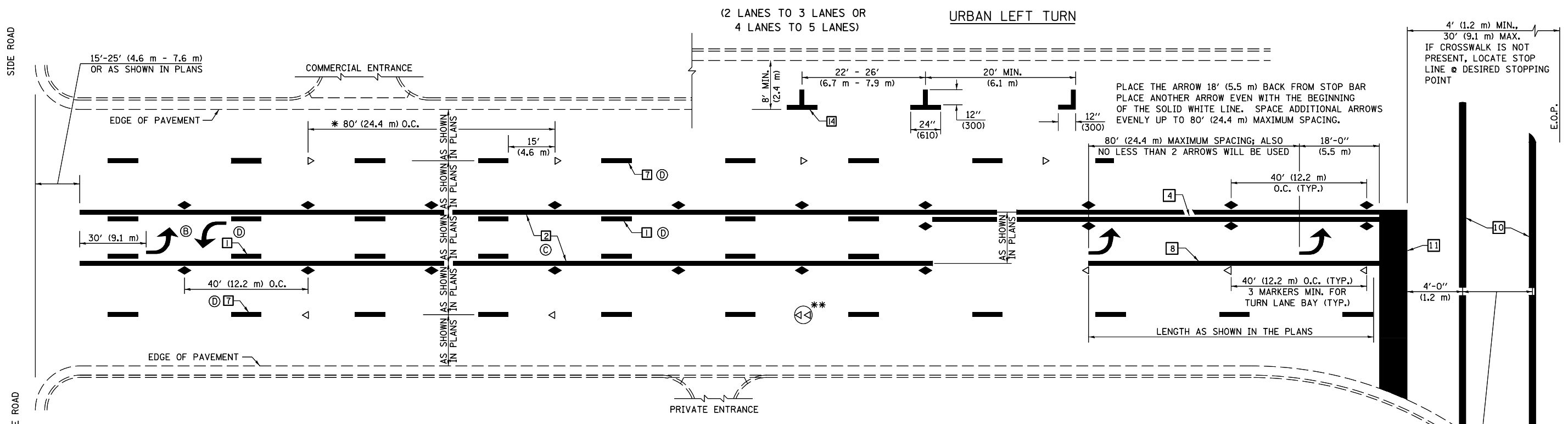
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEROADS & SIDESTREETS (RURAL)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	30
CONTRACT NO. 70A56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

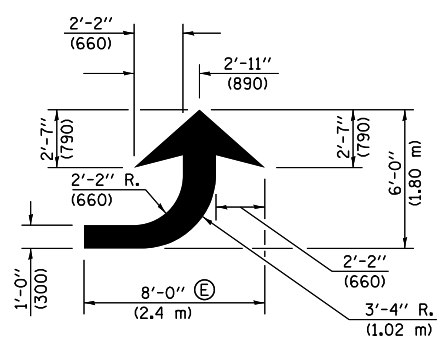




\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

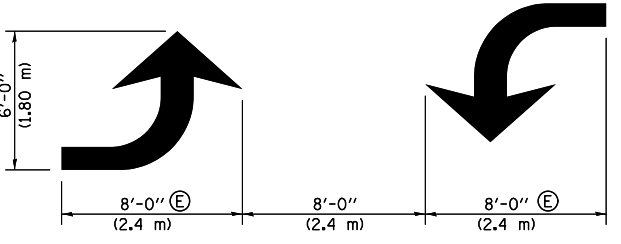
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- GENERAL NOTES:**
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
  - ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
  - ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
  - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



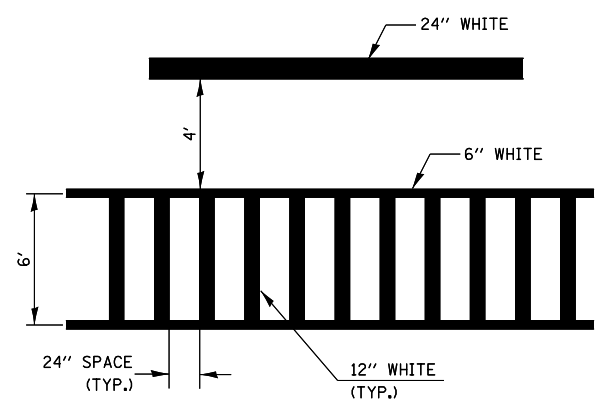
**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>) (WHITE)

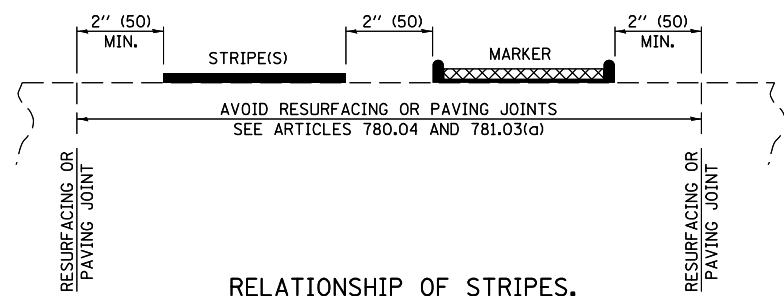


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

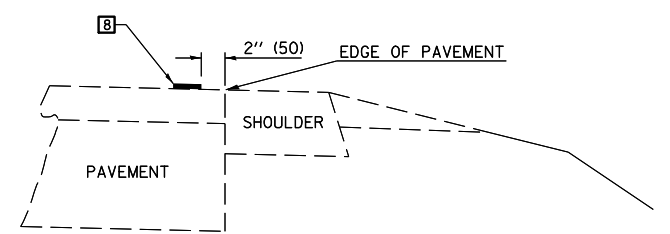
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



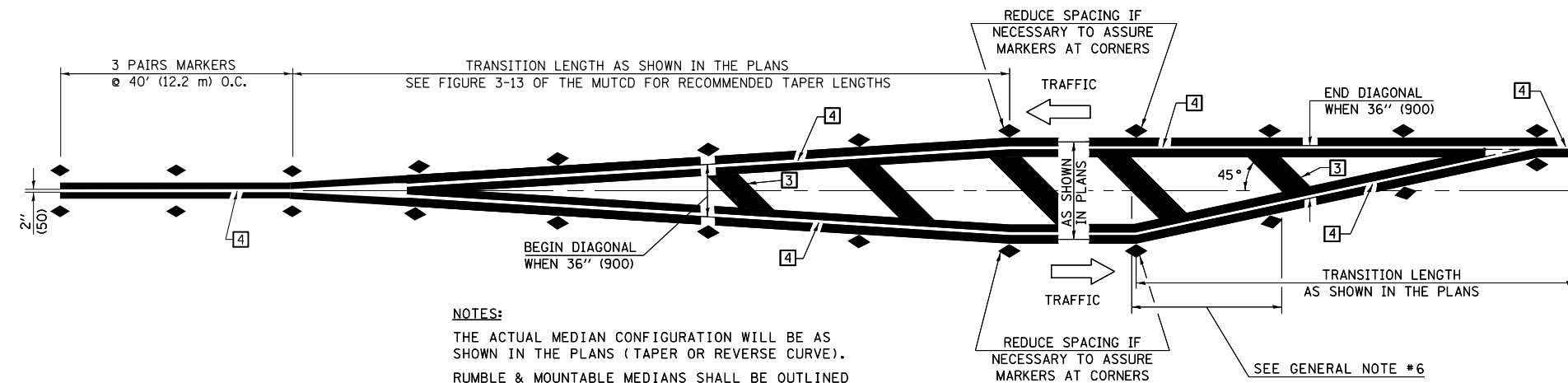
**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 7800AAA**

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED - 11/06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0579A56-shd-Detail.dwg		DRAWN -	REVISED - 09/2009 - KJT			709	105RS-2	CHAMPAIGN	113	32
		CHECKED -	REVISED - 04/14 - JLA			CONTRACT NO. 70A56				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT SCALE = 40.0000' / in.				SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.			



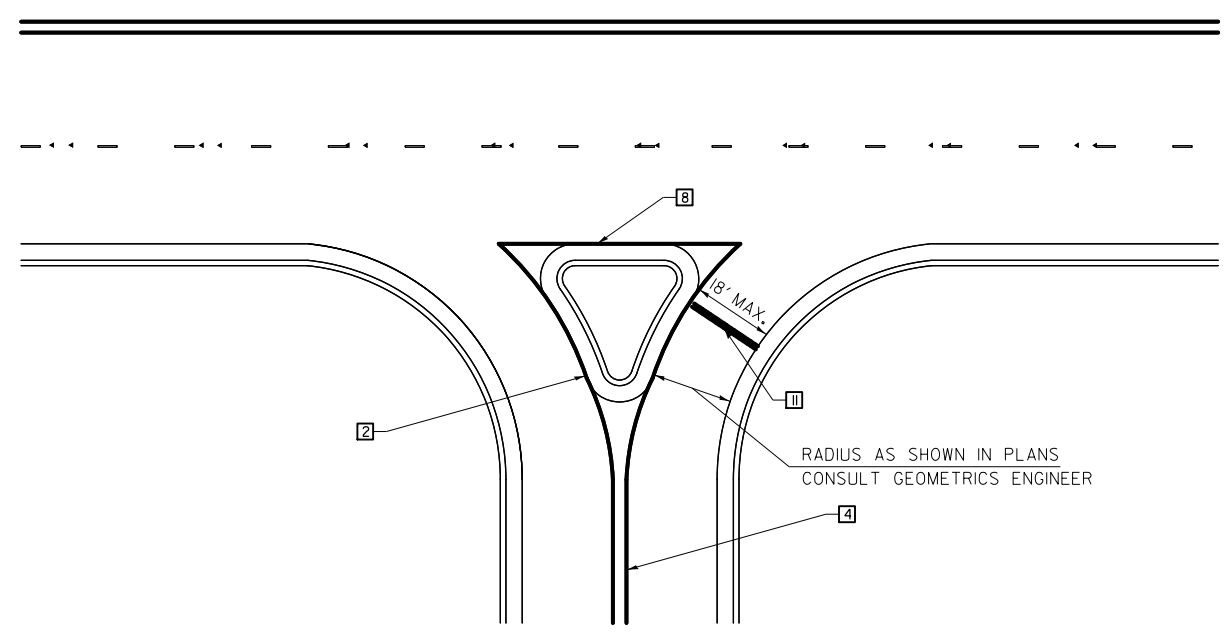


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

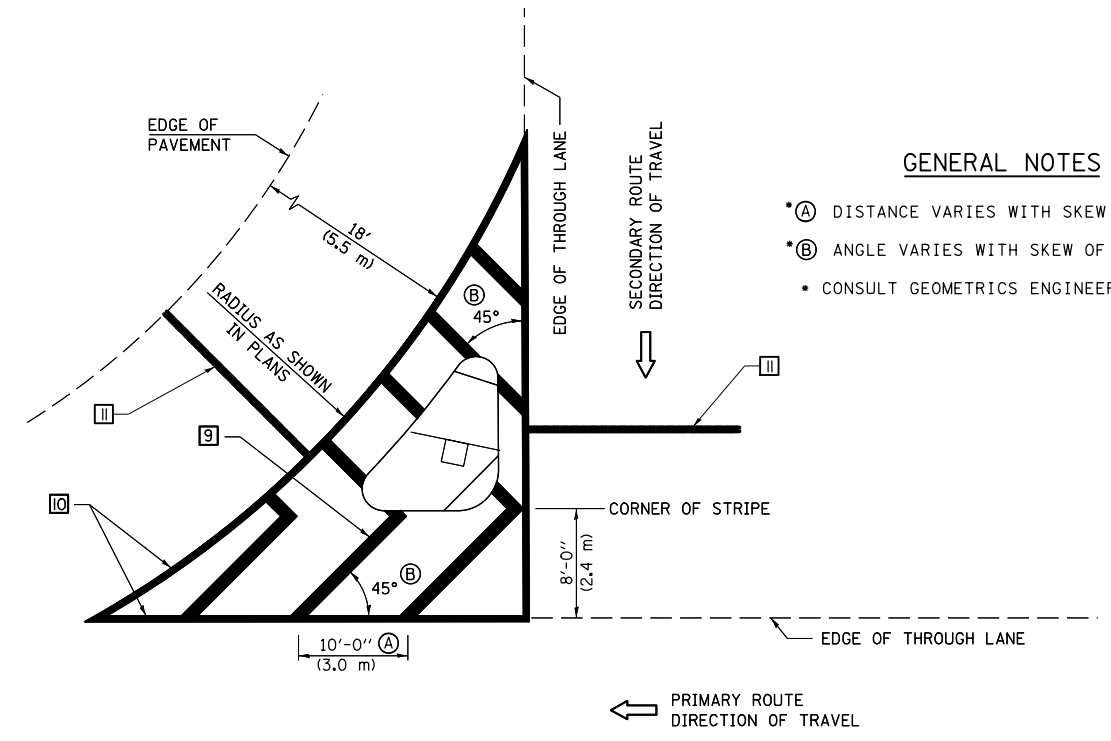
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS**



**GENERAL NOTES**

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

**ISLAND**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED - 11/06
pw:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 5\Projects\057\Drawings\Design\0570A56-shd-Detail.dwg		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/14 - JLA
	PLOT DATE = 12/10/2015	DATE -	REVISED -

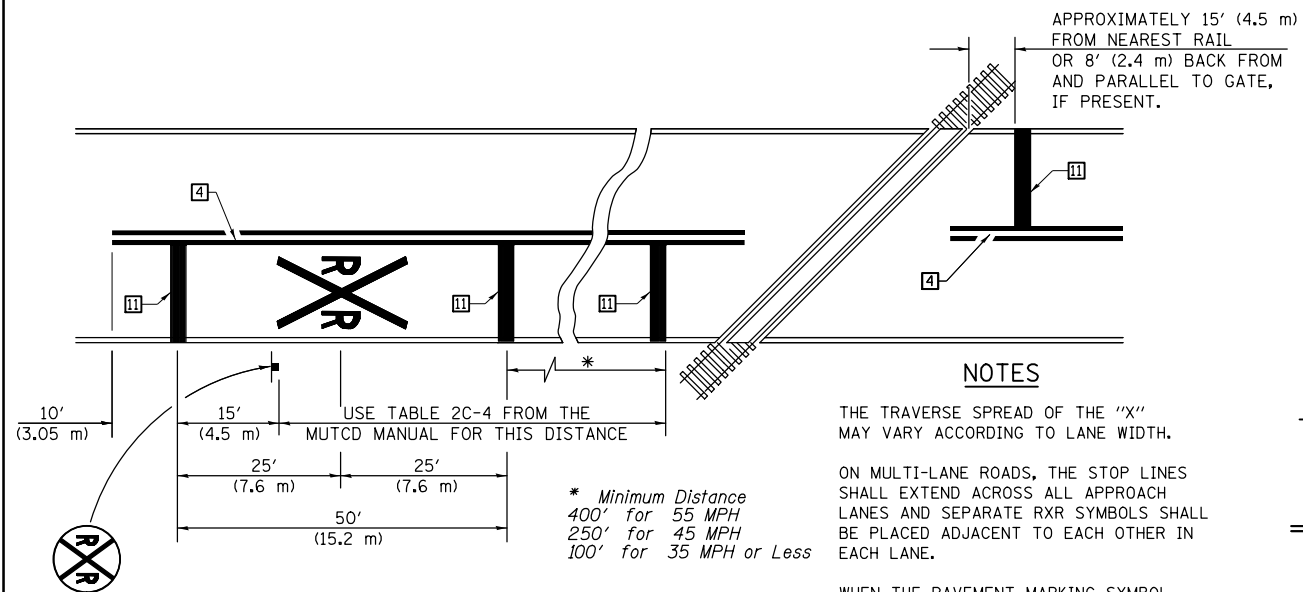
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A56	



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

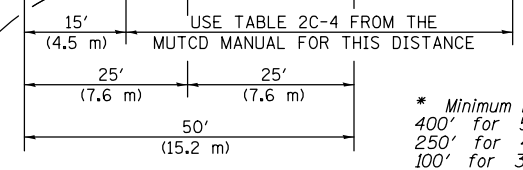
**NOTES**

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

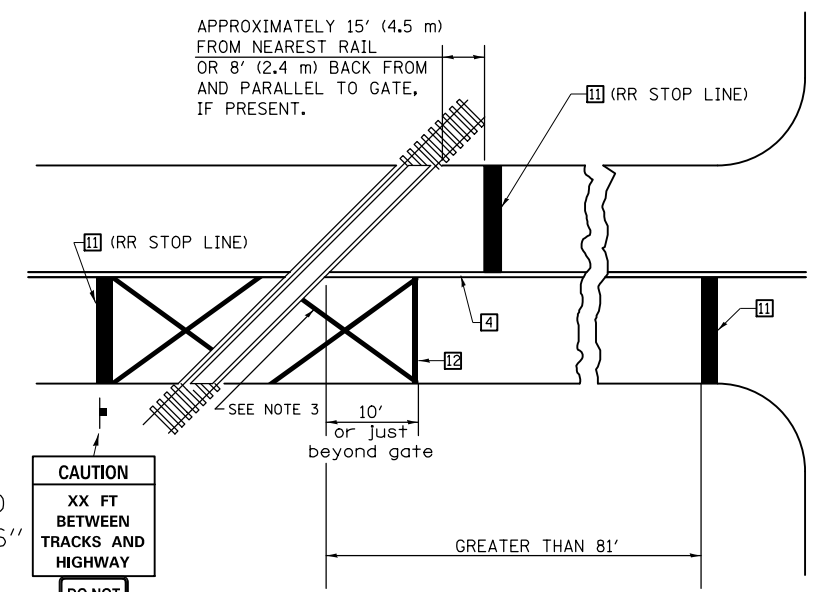
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

\* Minimum Distance  
 400' for 55 MPH  
 250' for 45 MPH  
 100' for 35 MPH or Less



RAILROAD CROSSING WITH INTERCONNECT ONLY



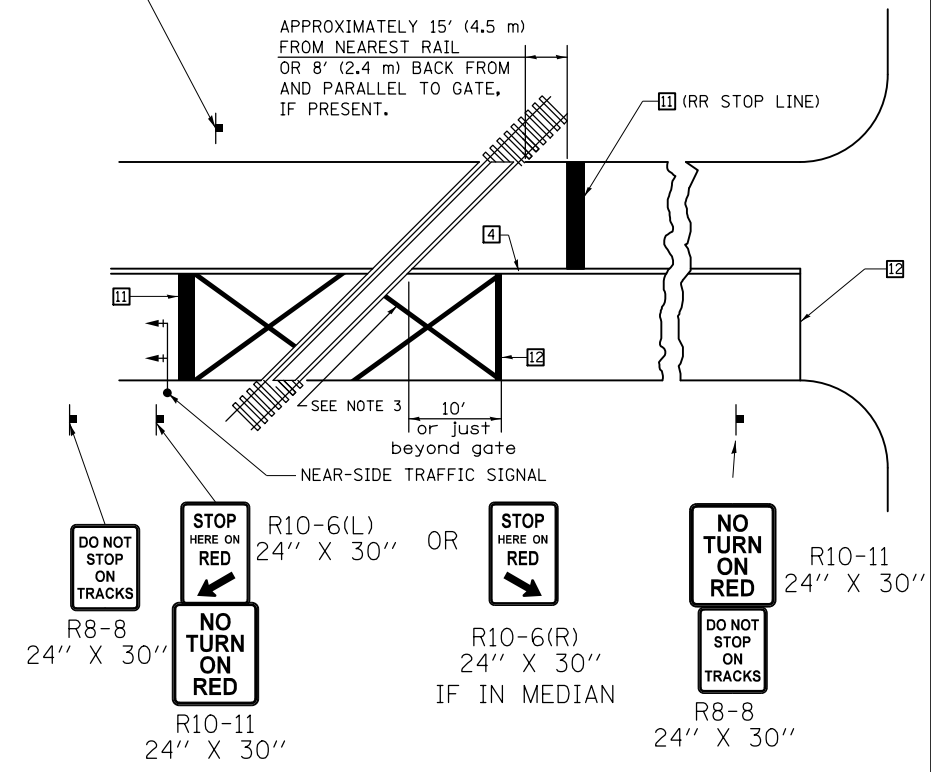
W10-I100  
 30" X 36"

CAUTION  
 XX FT  
 BETWEEN  
 TRACKS AND  
 HIGHWAY

DO NOT  
 STOP ON  
 TRACKS

R8-8  
 24" X 30"

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



DO NOT  
 STOP ON  
 TRACKS

R8-8  
 24" X 30"

STOP  
 HERE ON  
 RED

R10-6(L)  
 24" X 30"

OR

STOP  
 HERE ON  
 RED

R10-6(R)  
 24" X 30"  
 IF IN MEDIAN

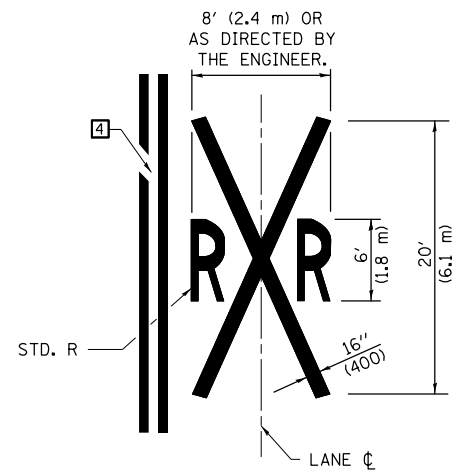
NO  
 TURN  
 ON  
 RED

R10-11  
 24" X 30"

DO NOT  
 STOP ON  
 TRACKS

R8-8  
 24" X 30"

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



ALTERNATE SIGNS

STOP  
 HERE  
 ON  
 RED

R10-6a(L)  
 24" X 30"

STOP  
 HERE  
 ON  
 RED

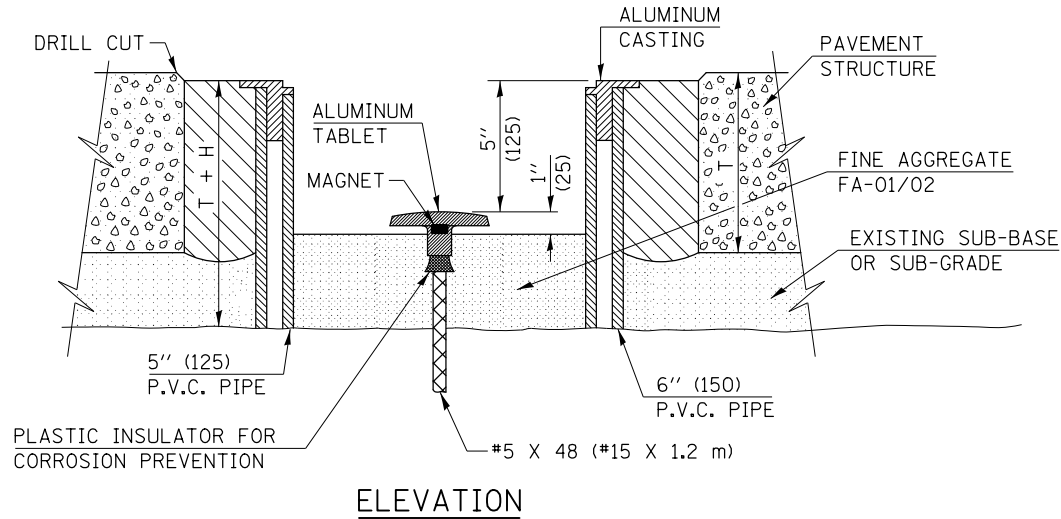
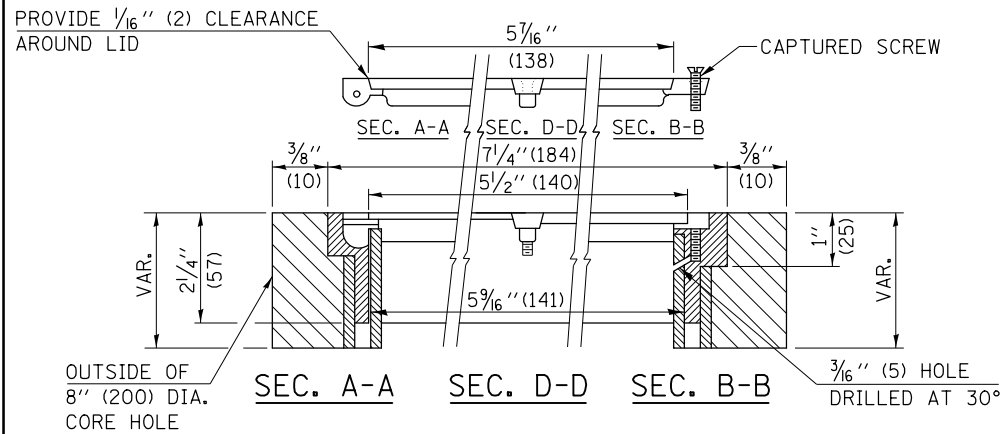
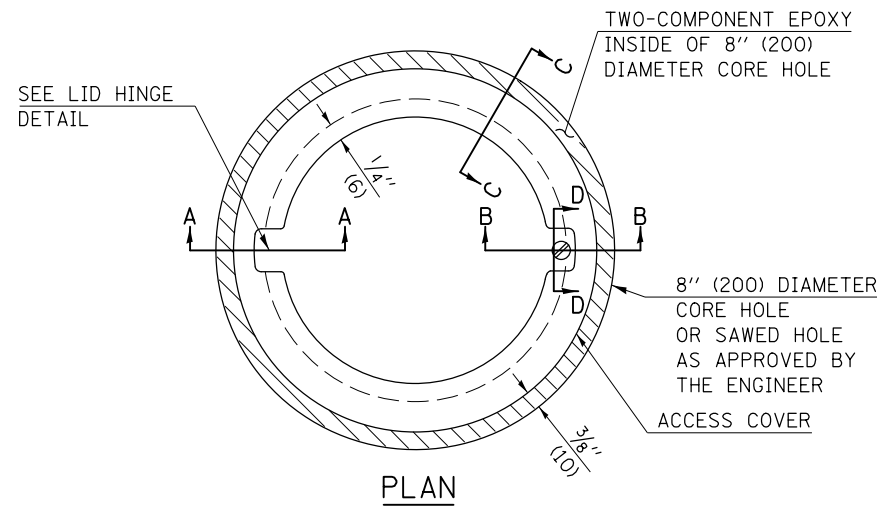
R10-6a(R)  
 24" X 30"

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

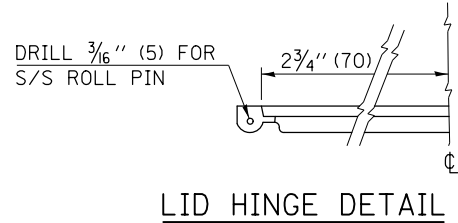
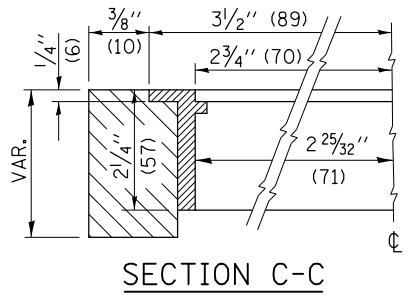
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-60IES. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

**GENERAL NOTES**

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. X0301232**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

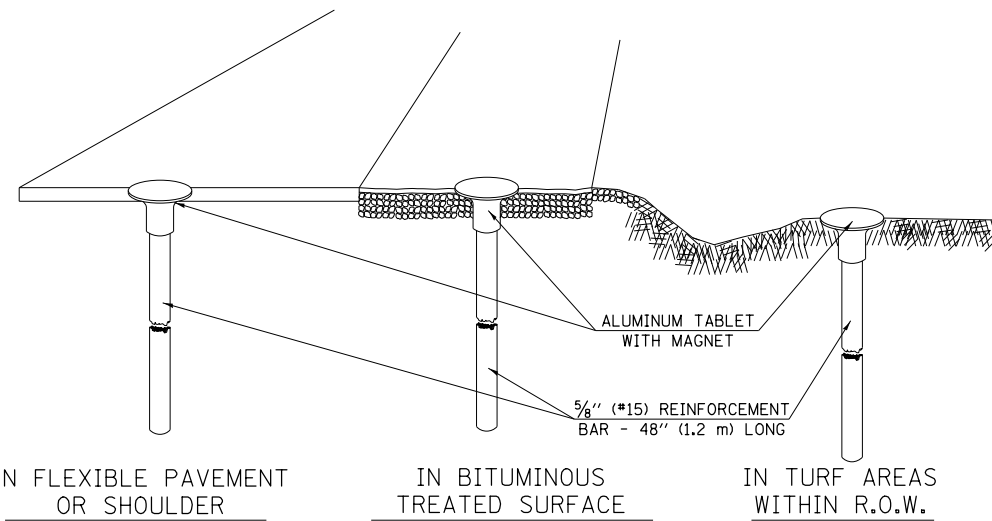
**SURVEY MARKER VAULT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	35
CONTRACT NO. 70A56				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

## XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

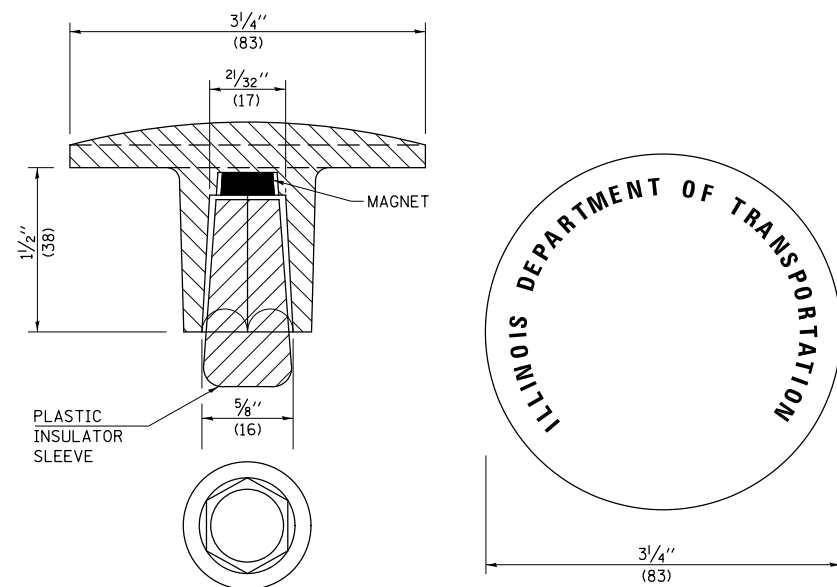
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT  
OR SHOULDER

IN BITUMINOUS  
TREATED SURFACE

IN TURF AREAS  
WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

### GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED  $\pm 1/4"$  (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

### SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR.  $3/4"$  (83 mm) CONVEX SURVEY CAP FOR  $5/8"$  (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF  $1/32"$  (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM  $1/2"$  (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

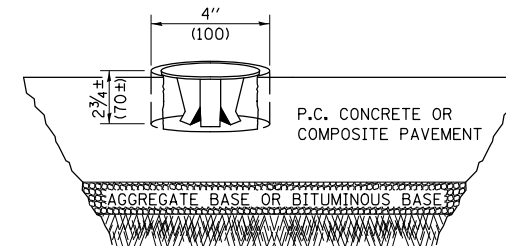
### SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE  $5/8"$  (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR  $5/8"$  (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

## XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

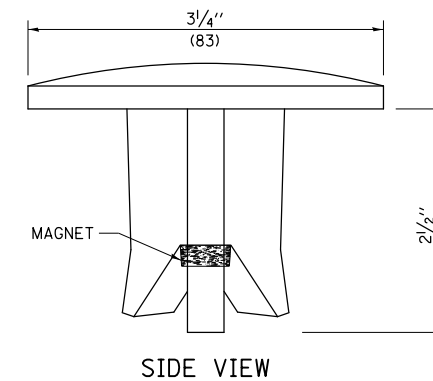
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



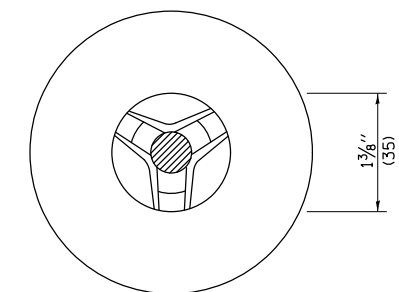
### SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE  $3/4"$  (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF  $1/32"$  (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A  $2/2"$  (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

### GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED  $\pm 1/4"$  (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

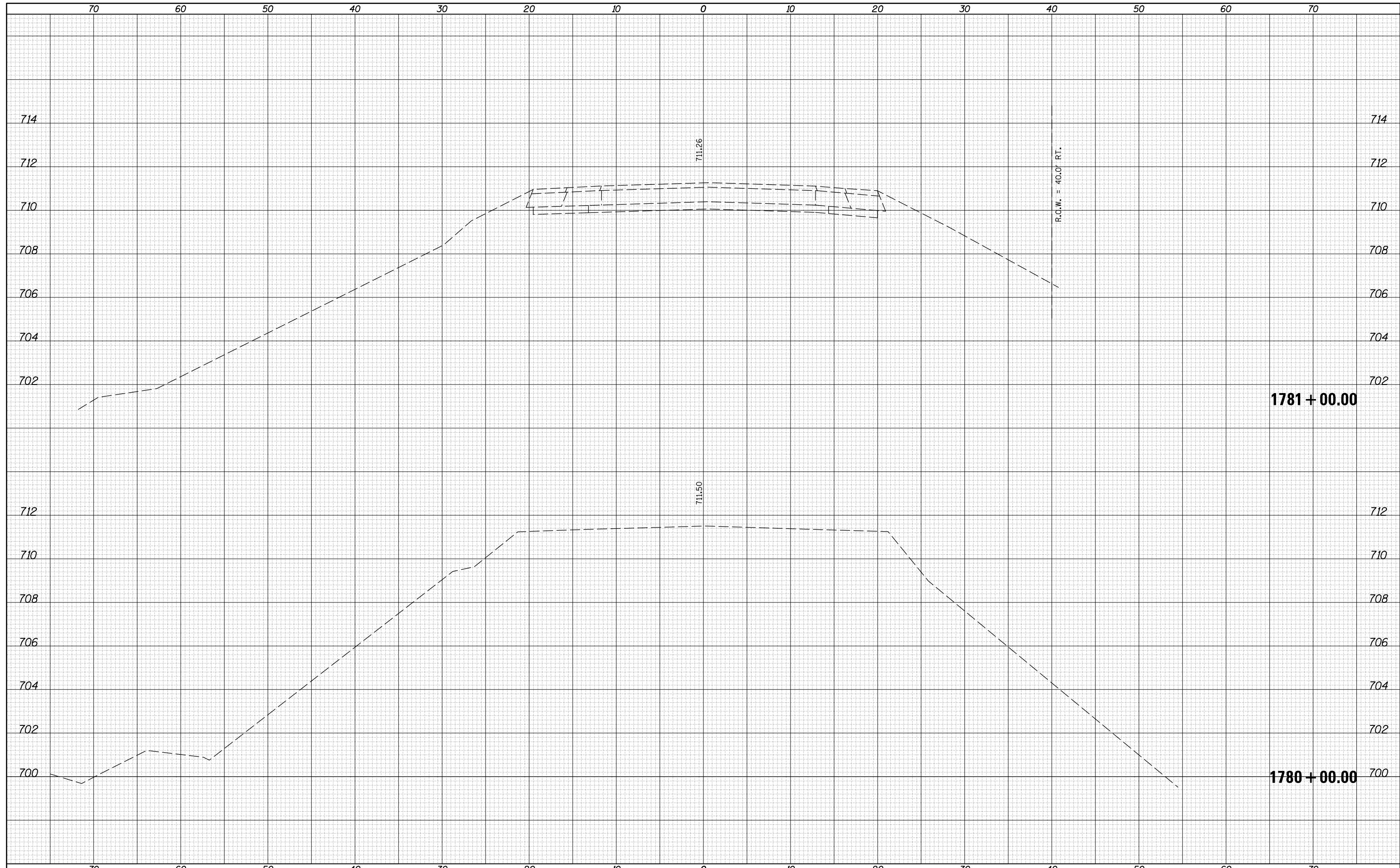
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DISTRICT 5 DETAIL NO. XZ193AAA

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

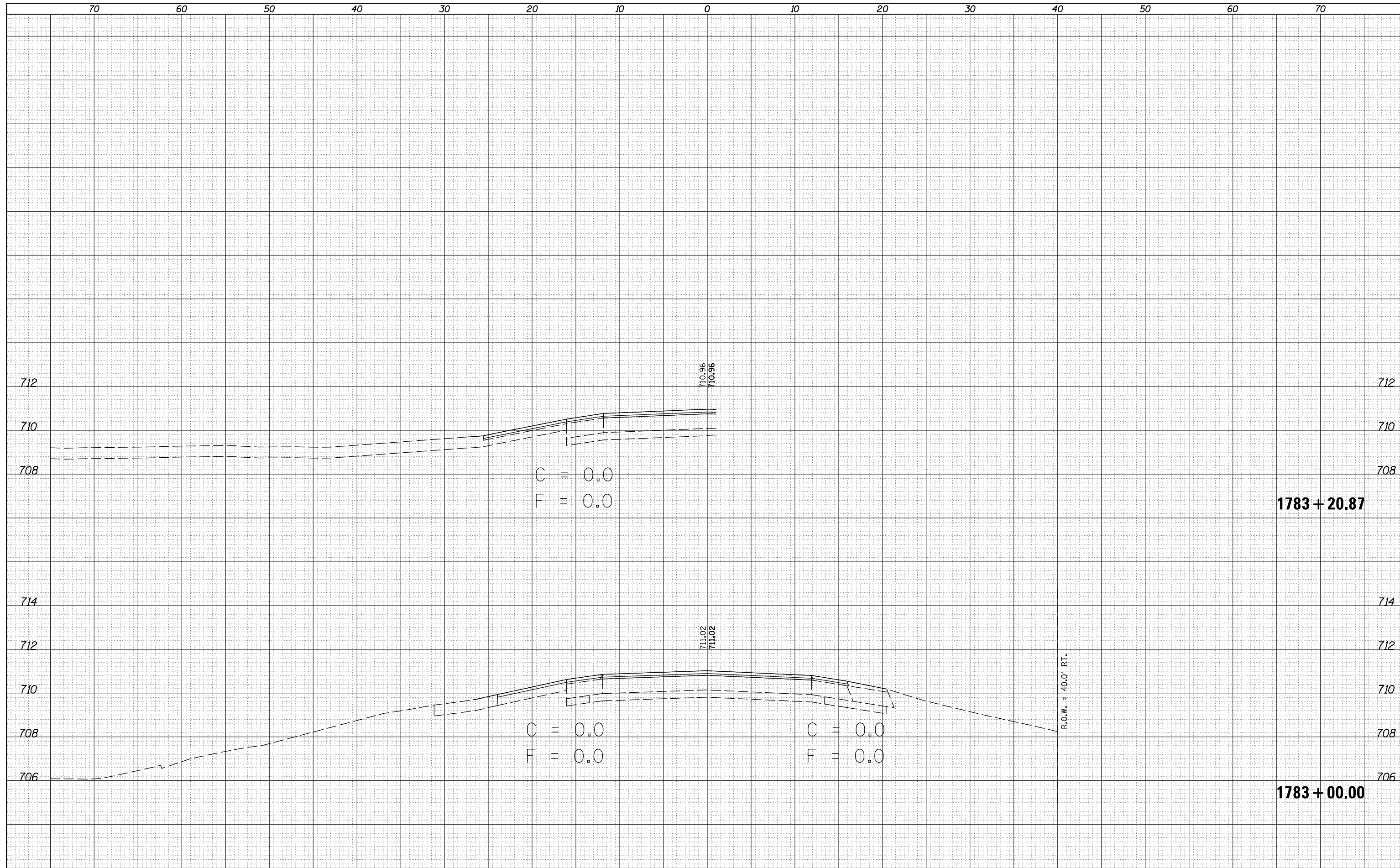
**CROSS SECTIONS US 136**

SCALE: SHEET 1 OF 77 SHEETS STA. 1780+00.00 TO STA. 1781+00.00



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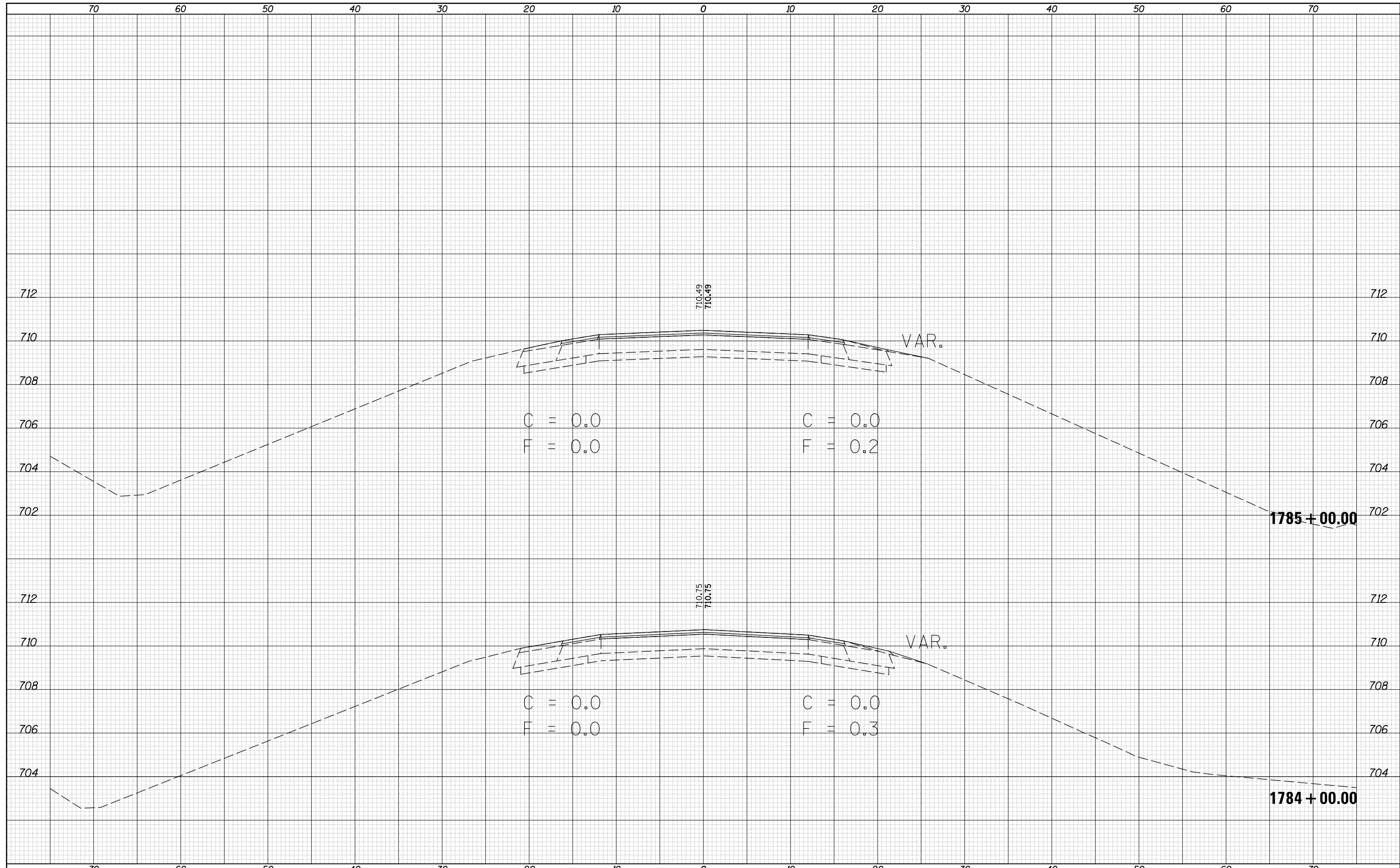
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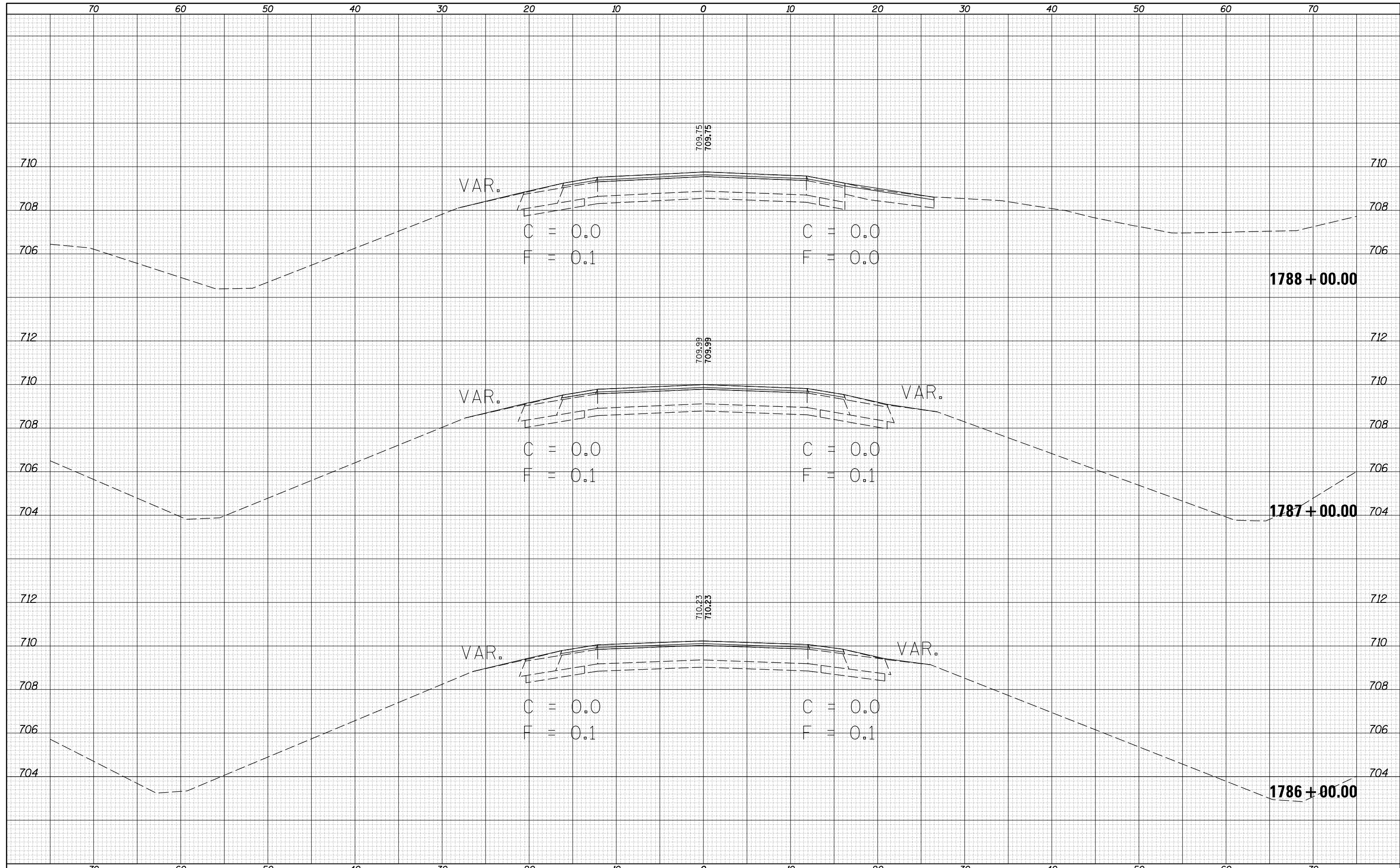


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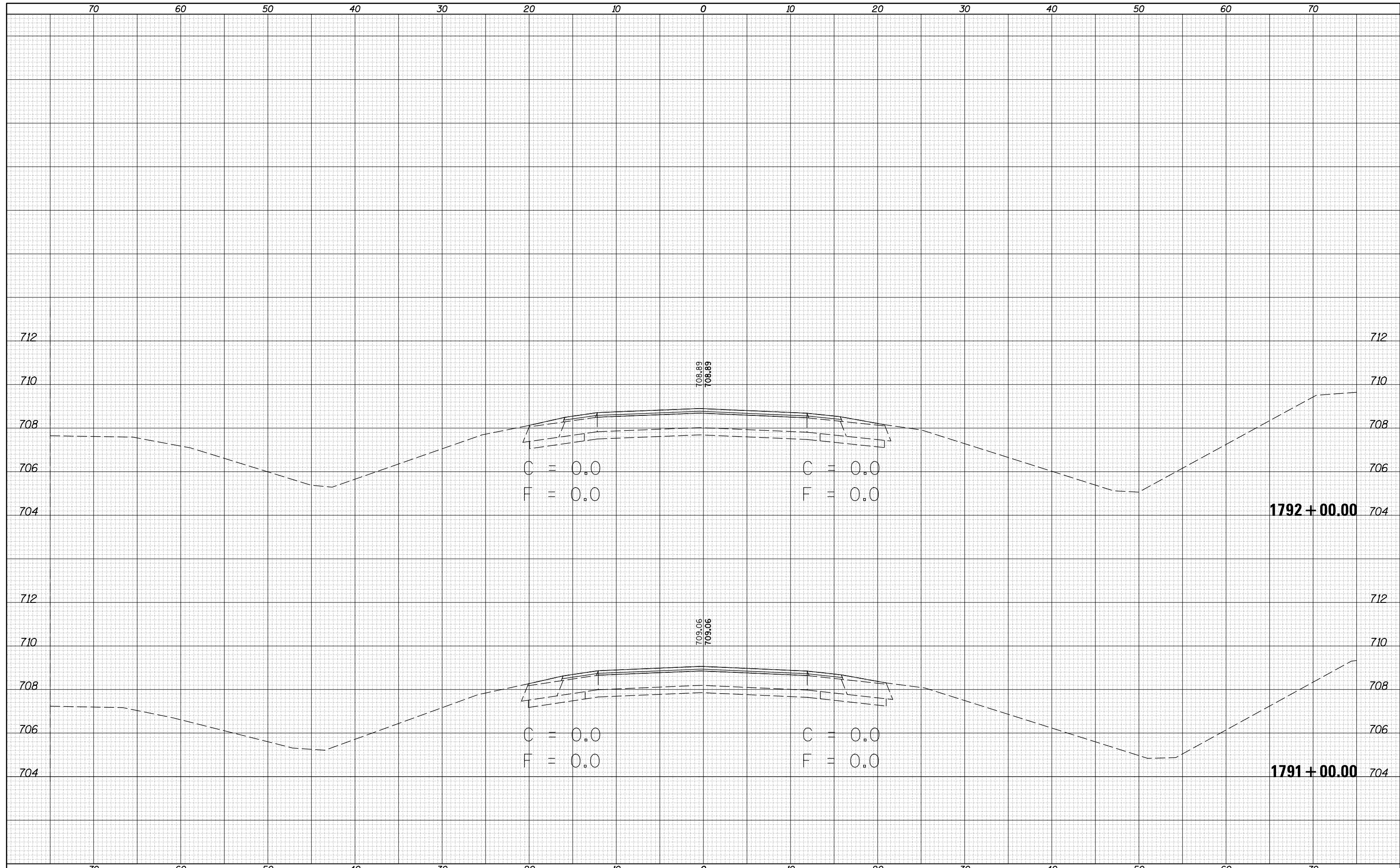


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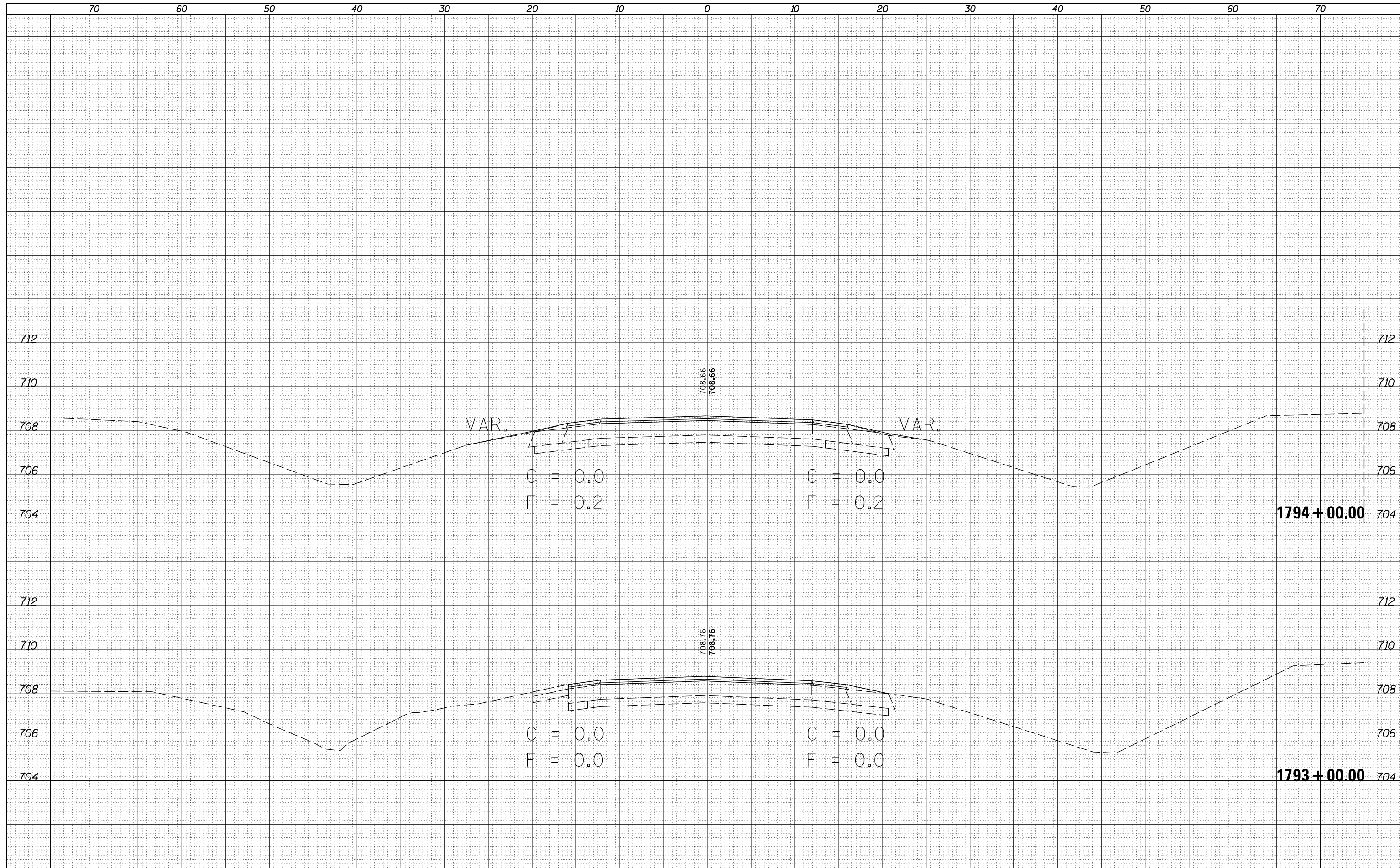
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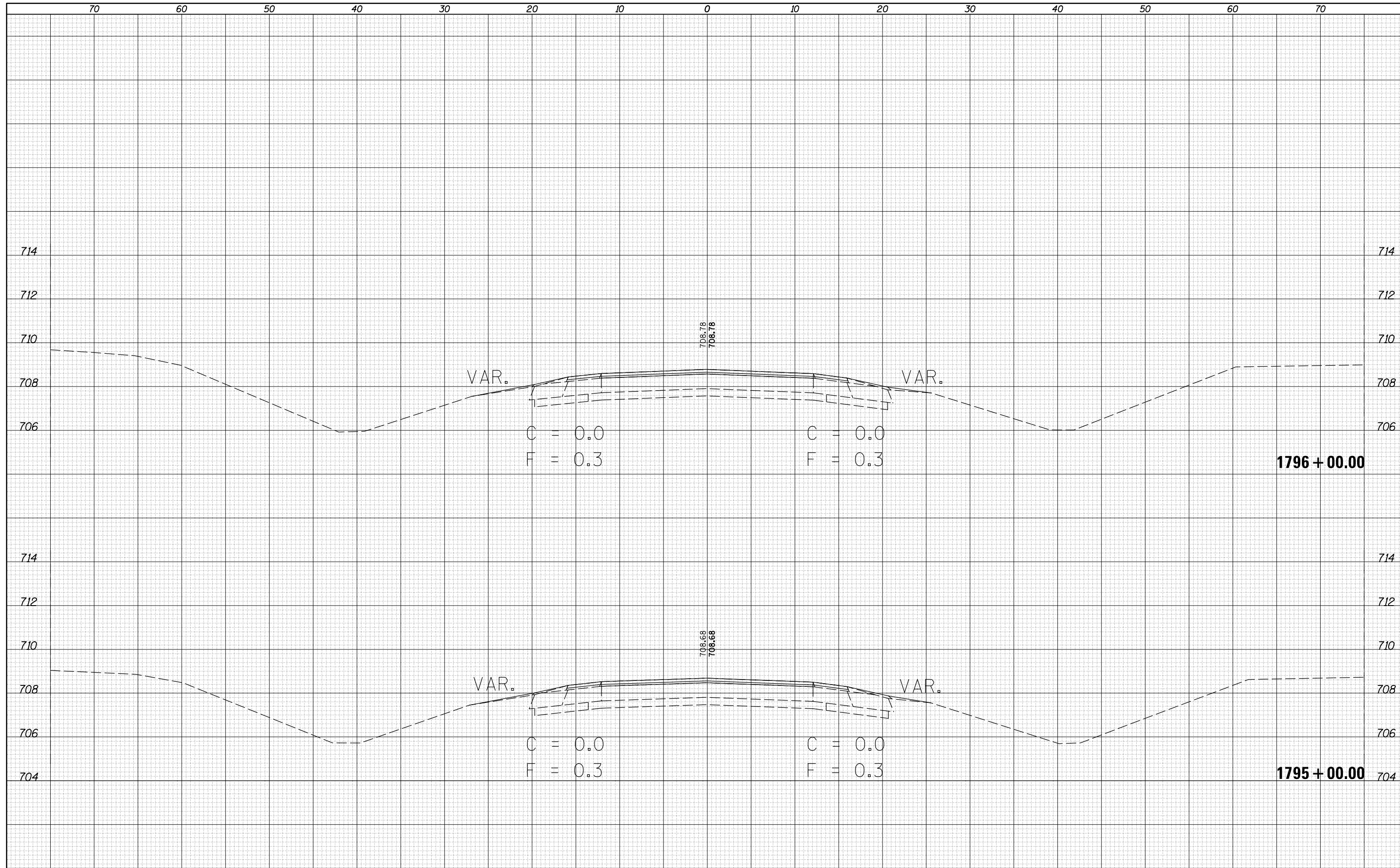
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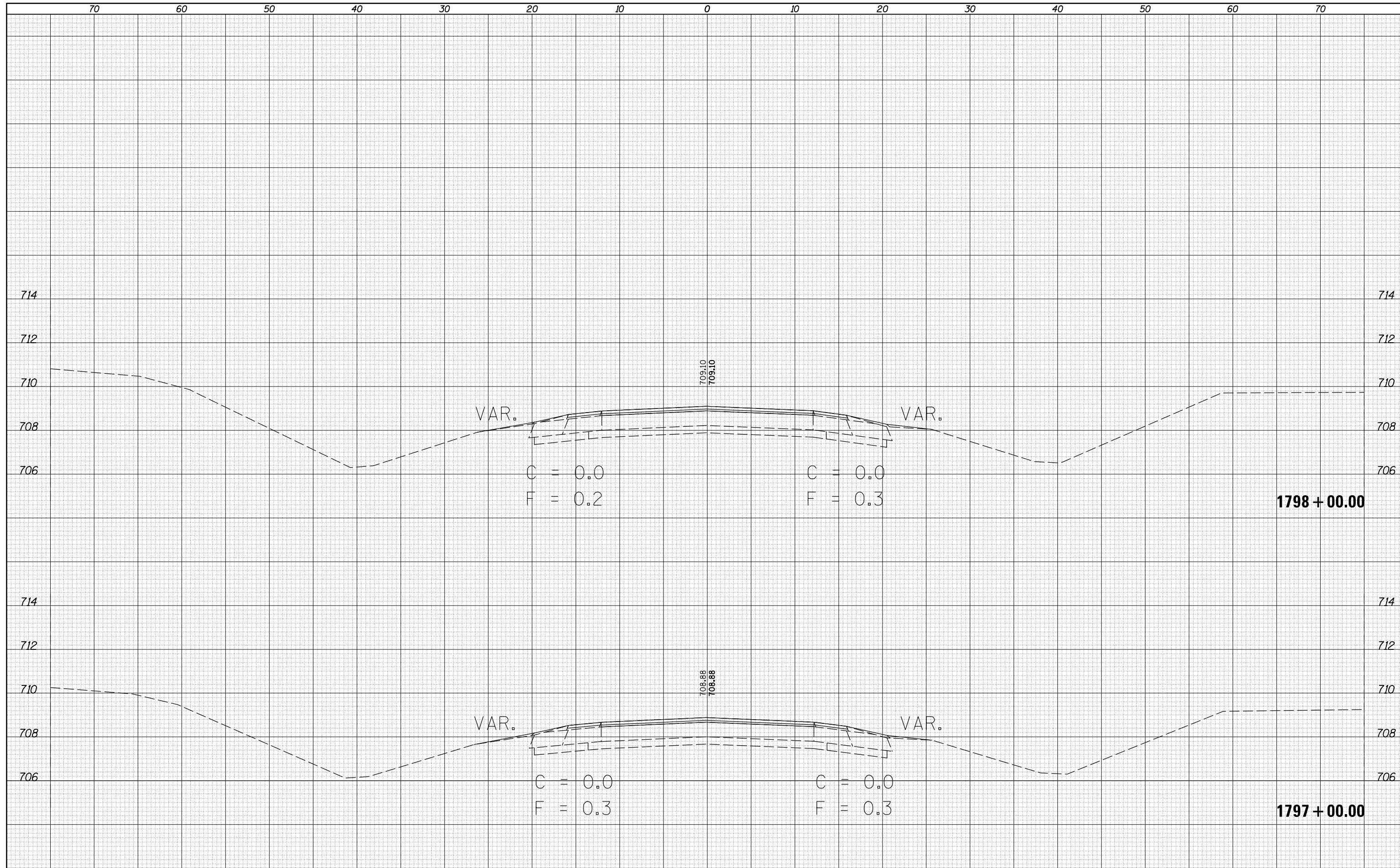
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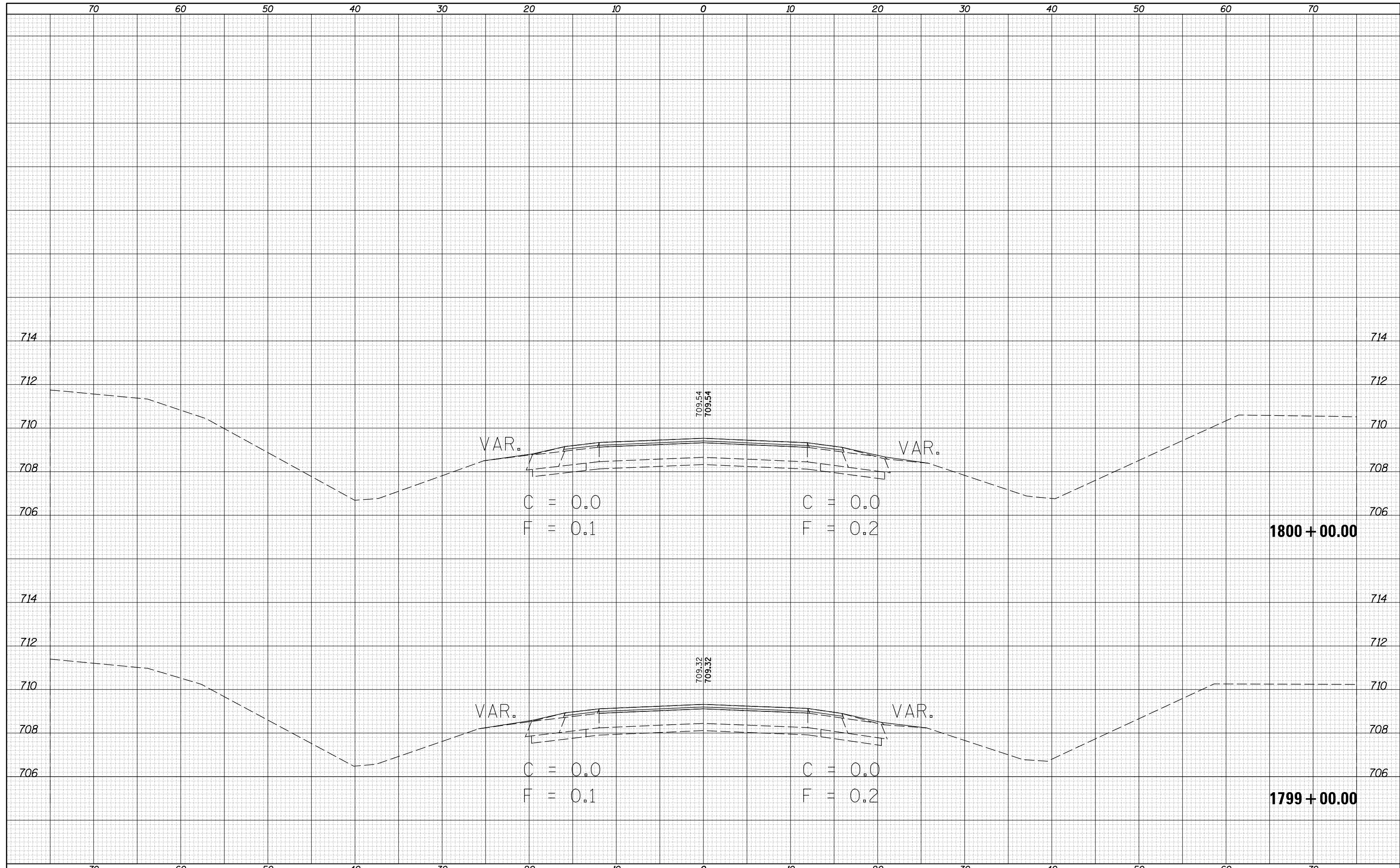
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**  
 SCALE: SHEET 10 OF 77 SHEETS STA. 1797+00.00 TO STA. 1798+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

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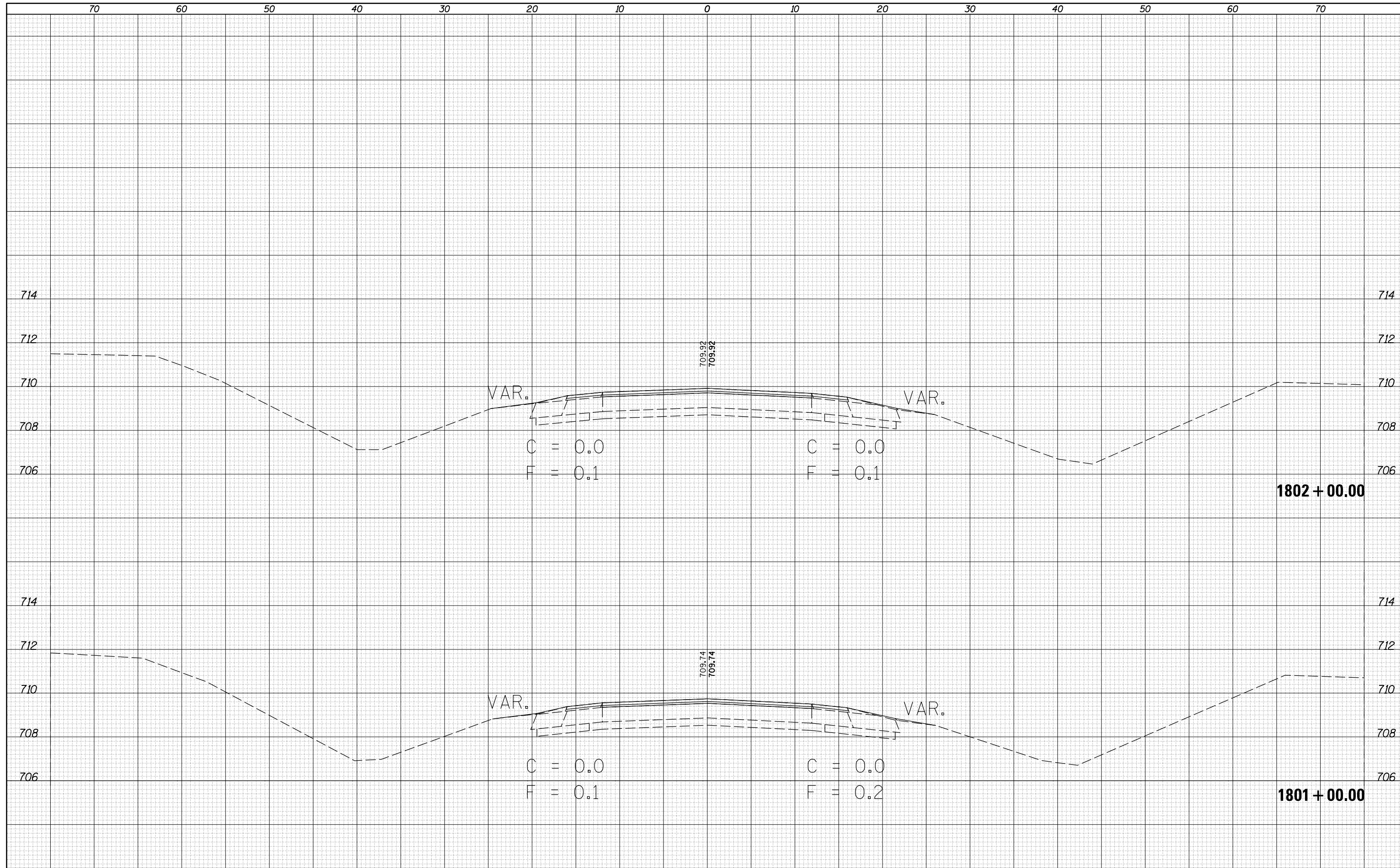
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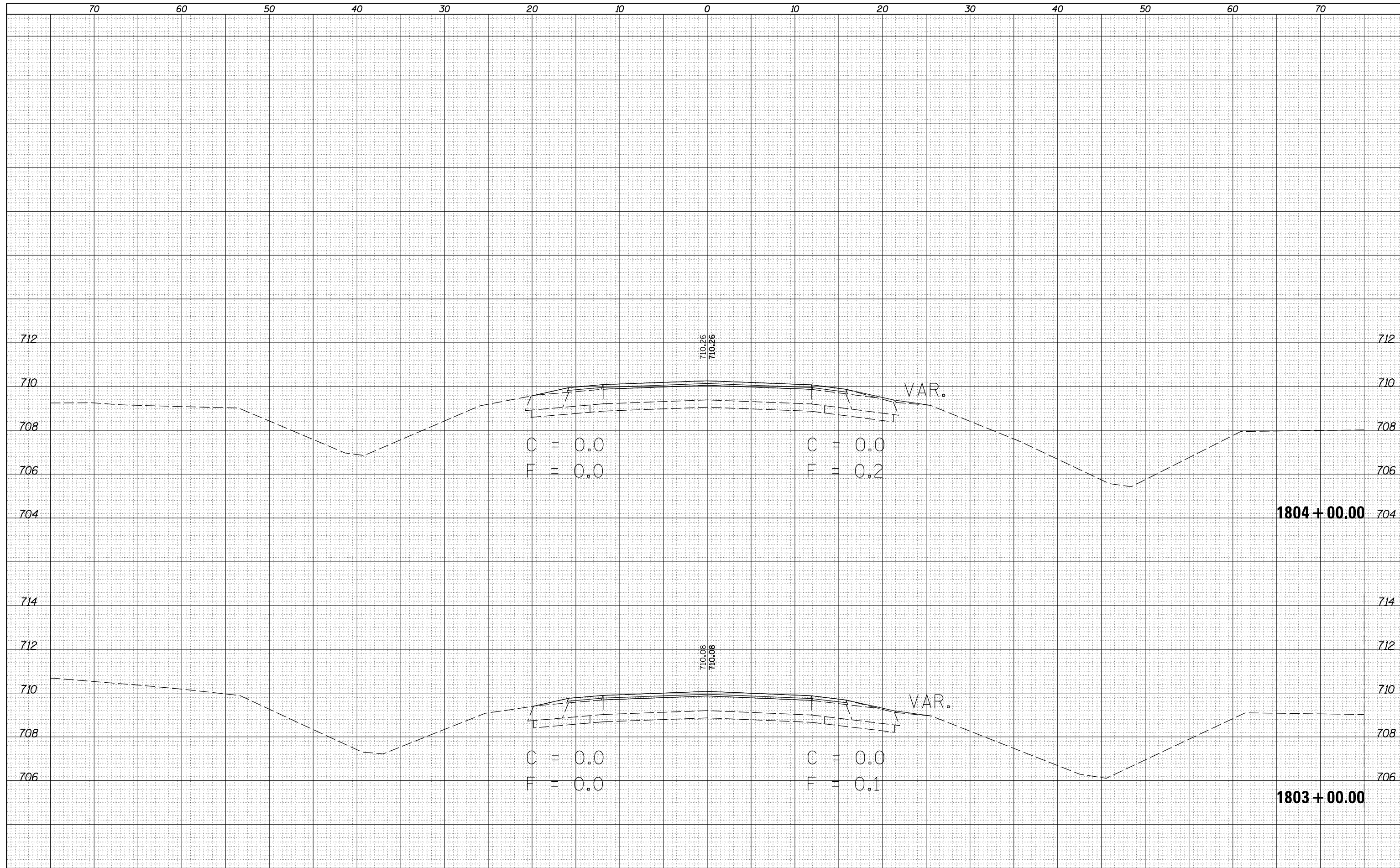
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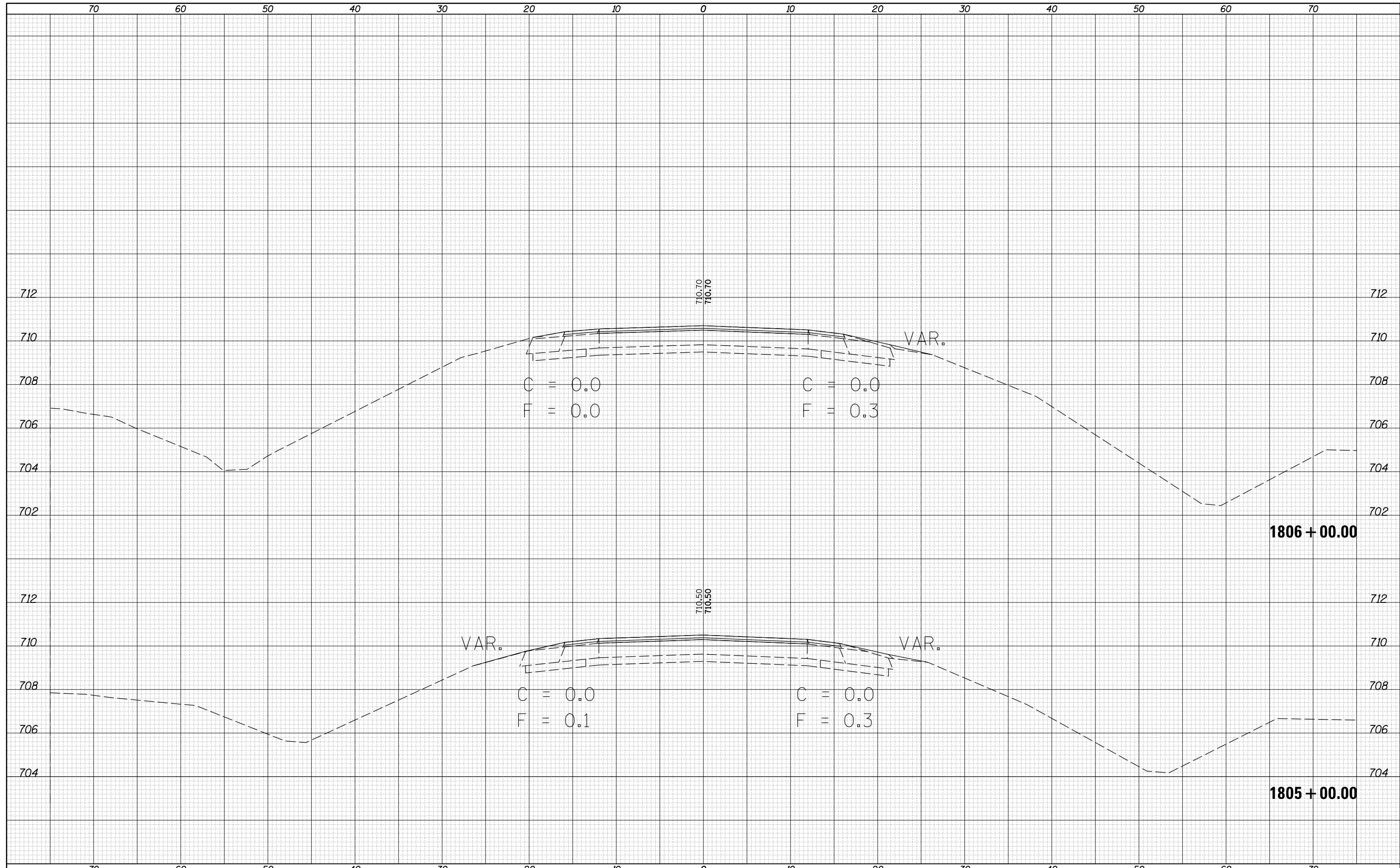
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pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570A56\CADD\Design\0570A56-sht-XS.dgn	DESIGNED -	REVISÉ -	709			105RS-2	CHAMPAIGN	113	49	
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DATE = 12/10/2015	DATE -	REVISÉ -	ILLINOIS FED. AID PROJECT							
SCALE:						SHEET 13 OF 77 SHEETS STA. 1803+00.00 TO STA. 1804+00.00				

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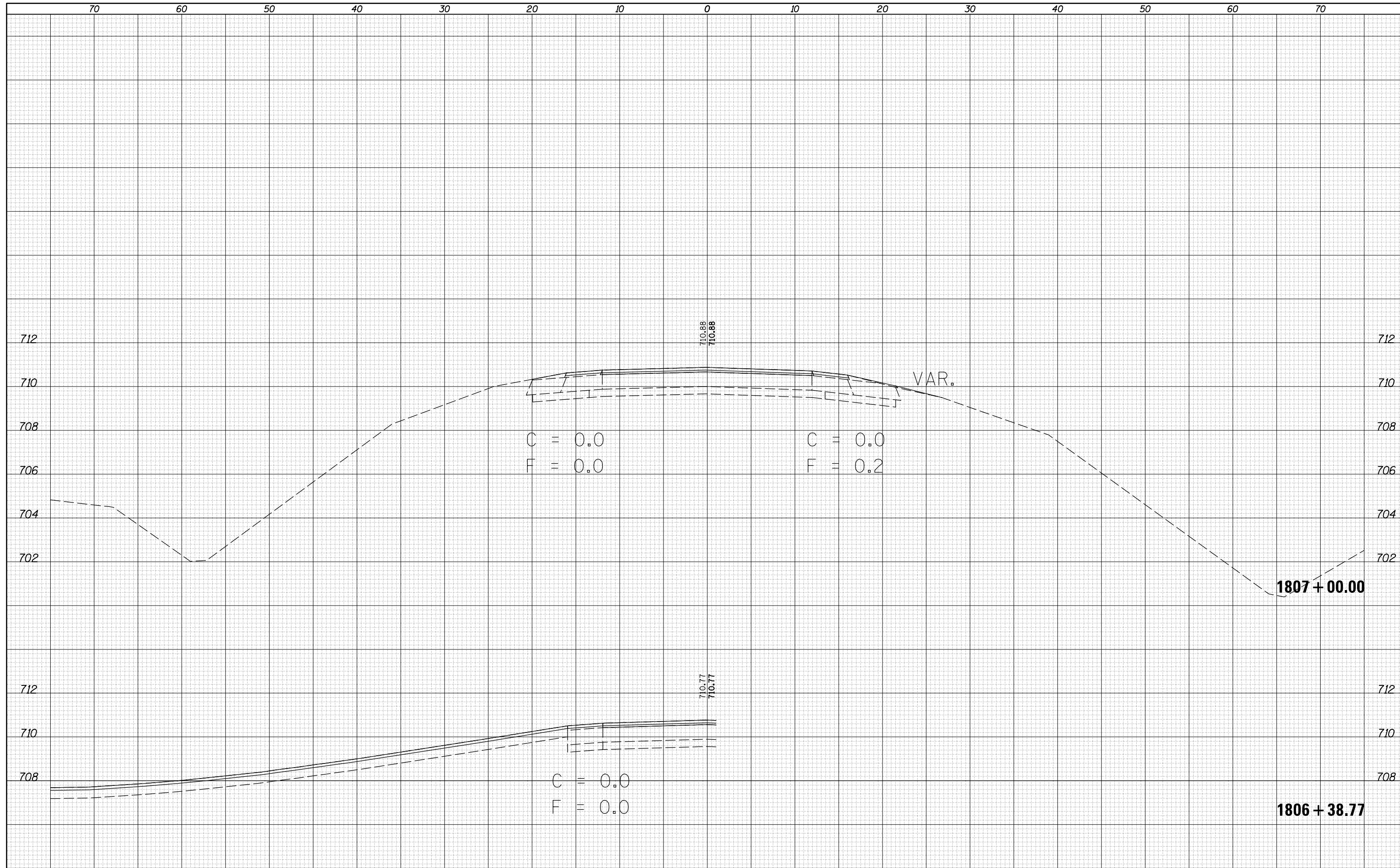
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\0570A56\CD\DRAWING\0570A56-sht-XS.dgn		REVISÉ -	REVISÉ -			709	105RS-2	CHAMPAIGN	113	50
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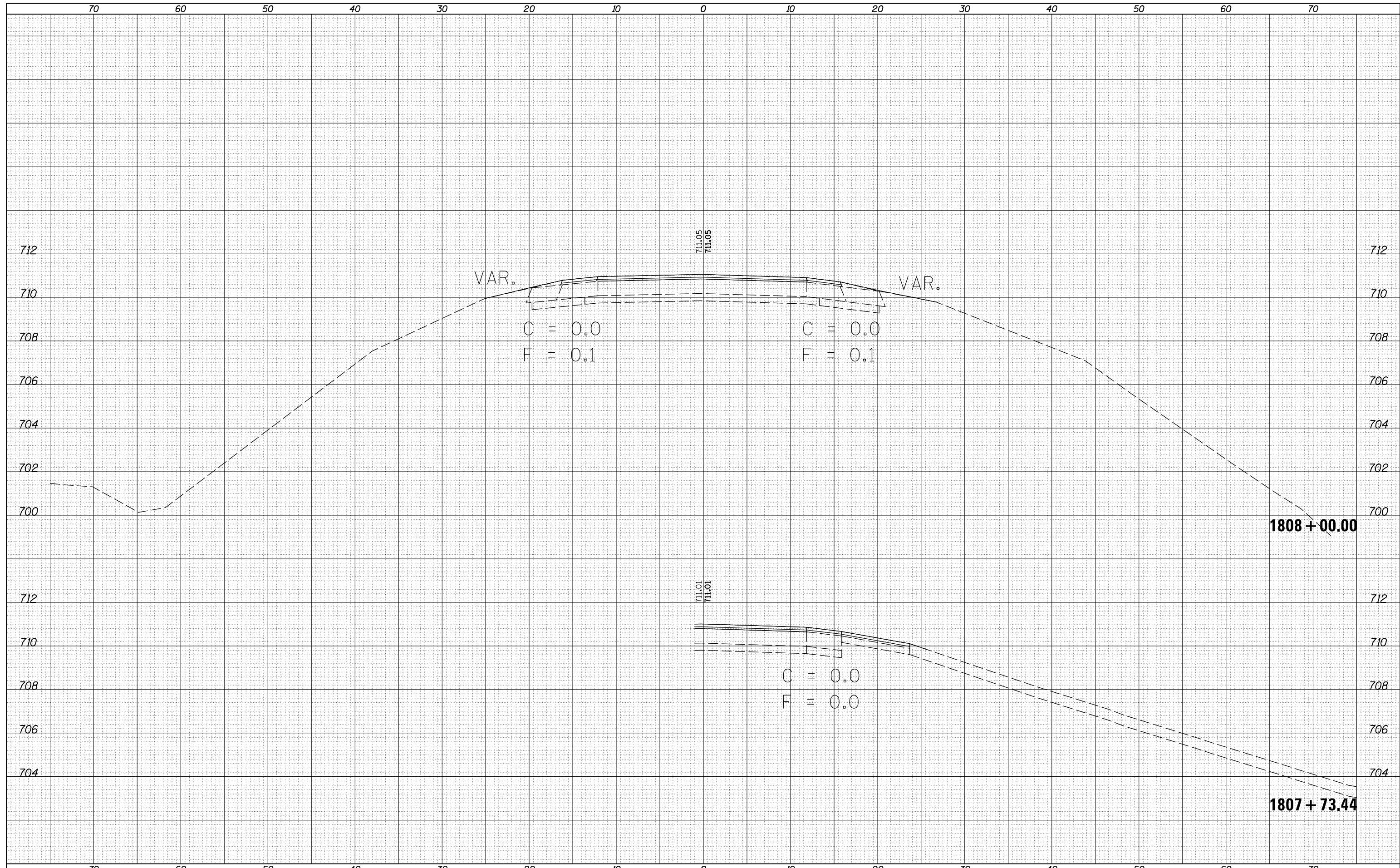
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USER NAME = bergena.j	DESIGNED -	REVISÉ -
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PLLOT DATE = 12/10/2015	DATE -	REVISÉ -

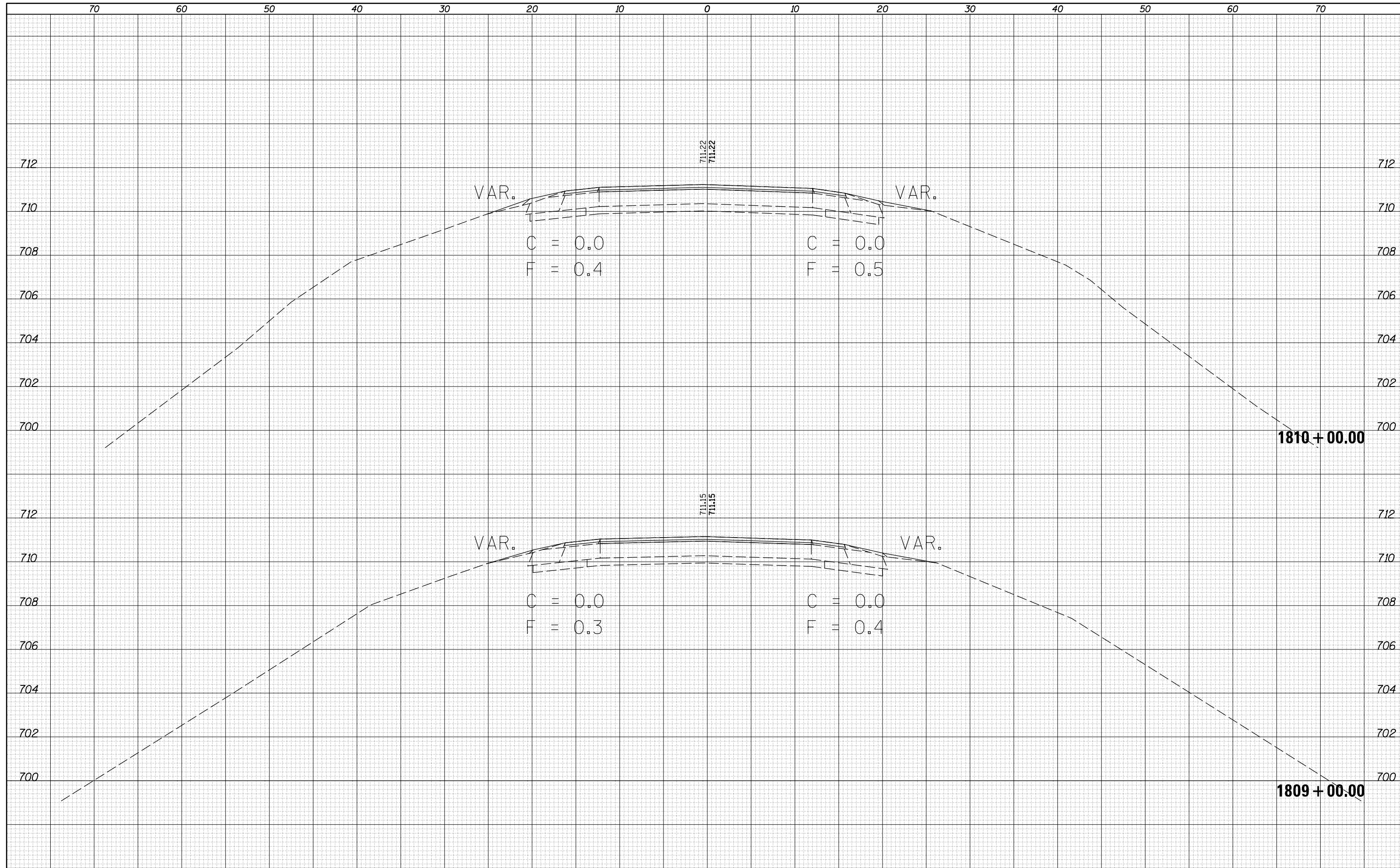
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**  
 SCALE: SHEET 16 OF 77 SHEETS STA. 1807+73.44 TO STA. 1808+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70A56				
ILLINOIS FED. AID PROJECT				

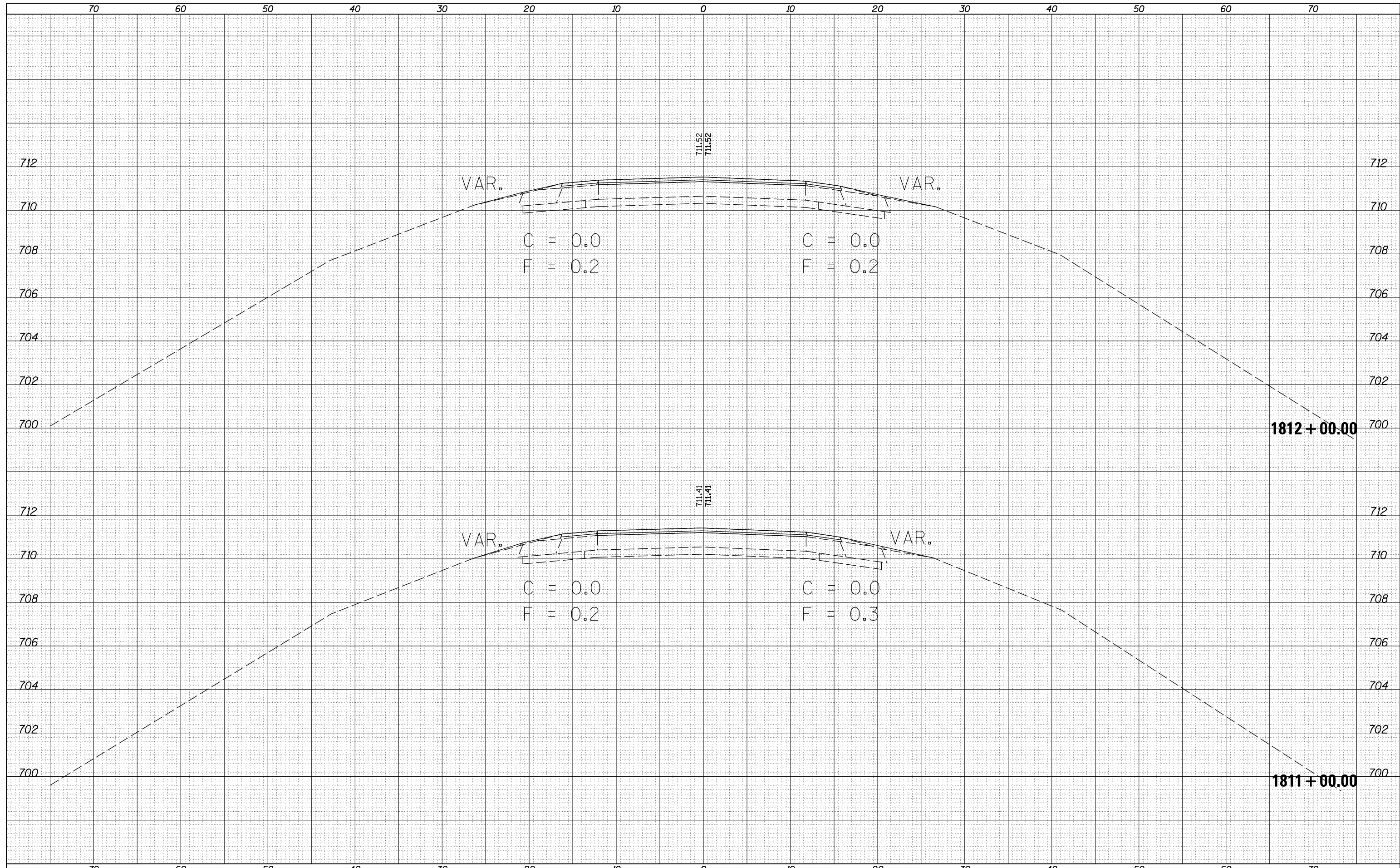
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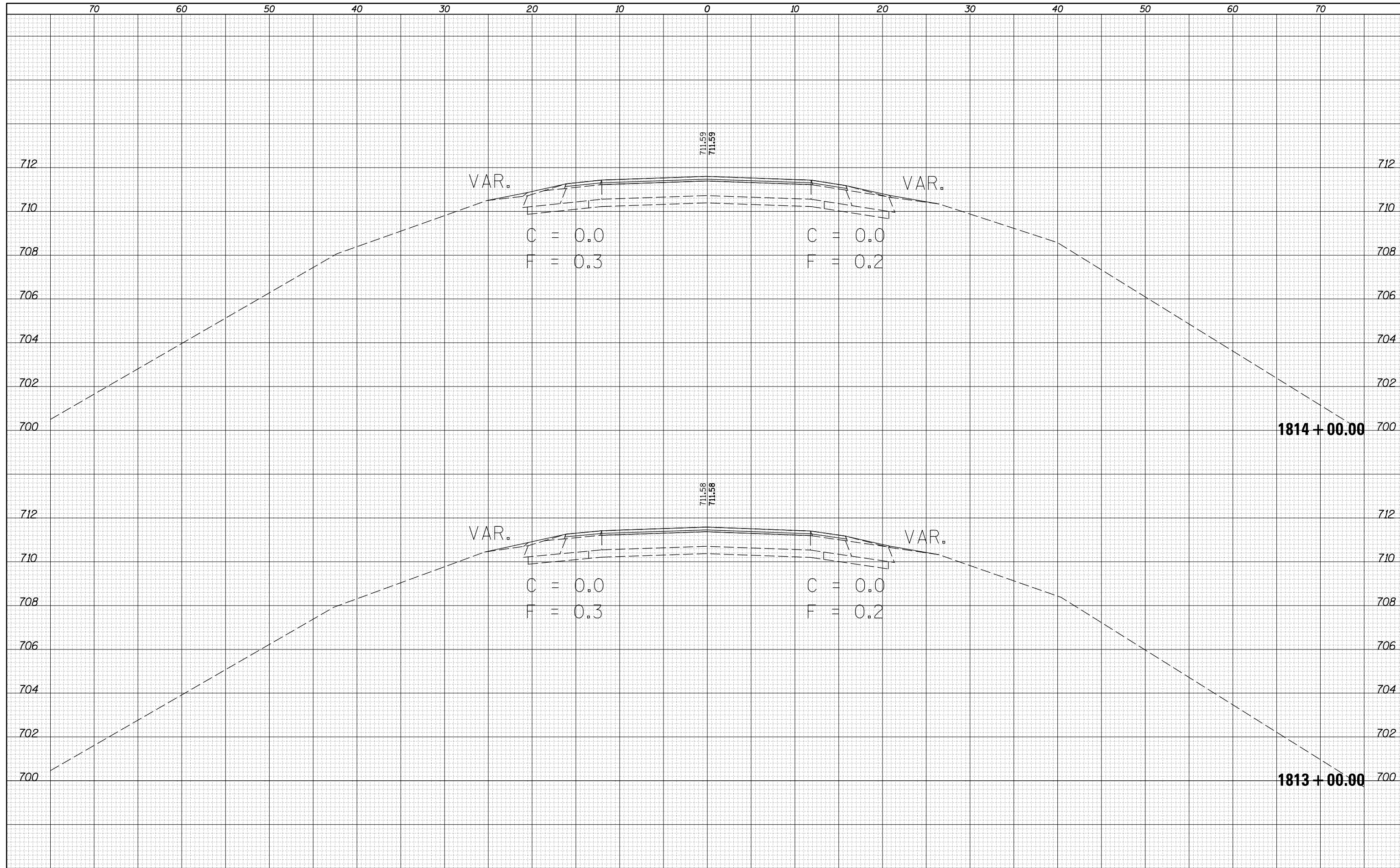
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT												

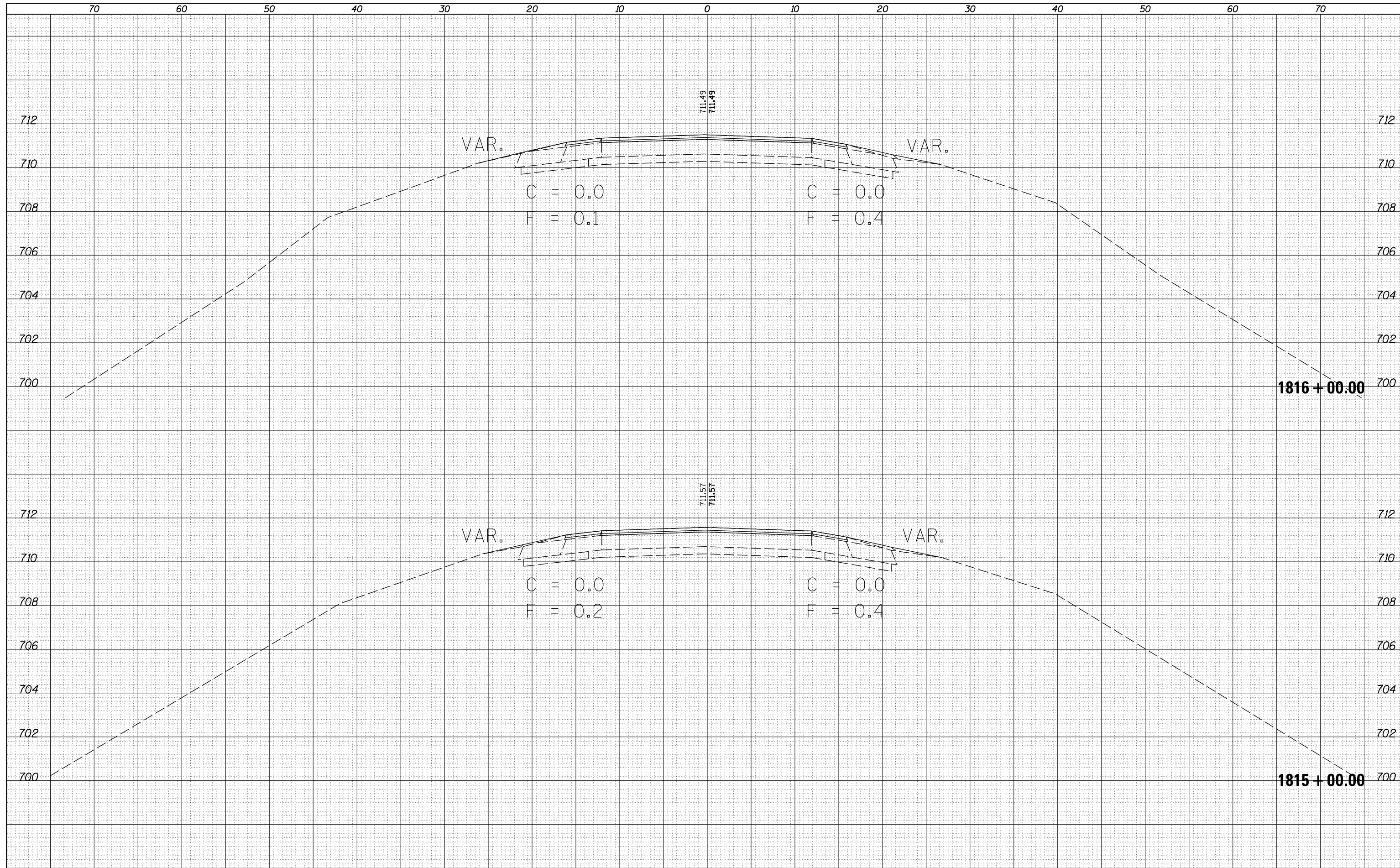
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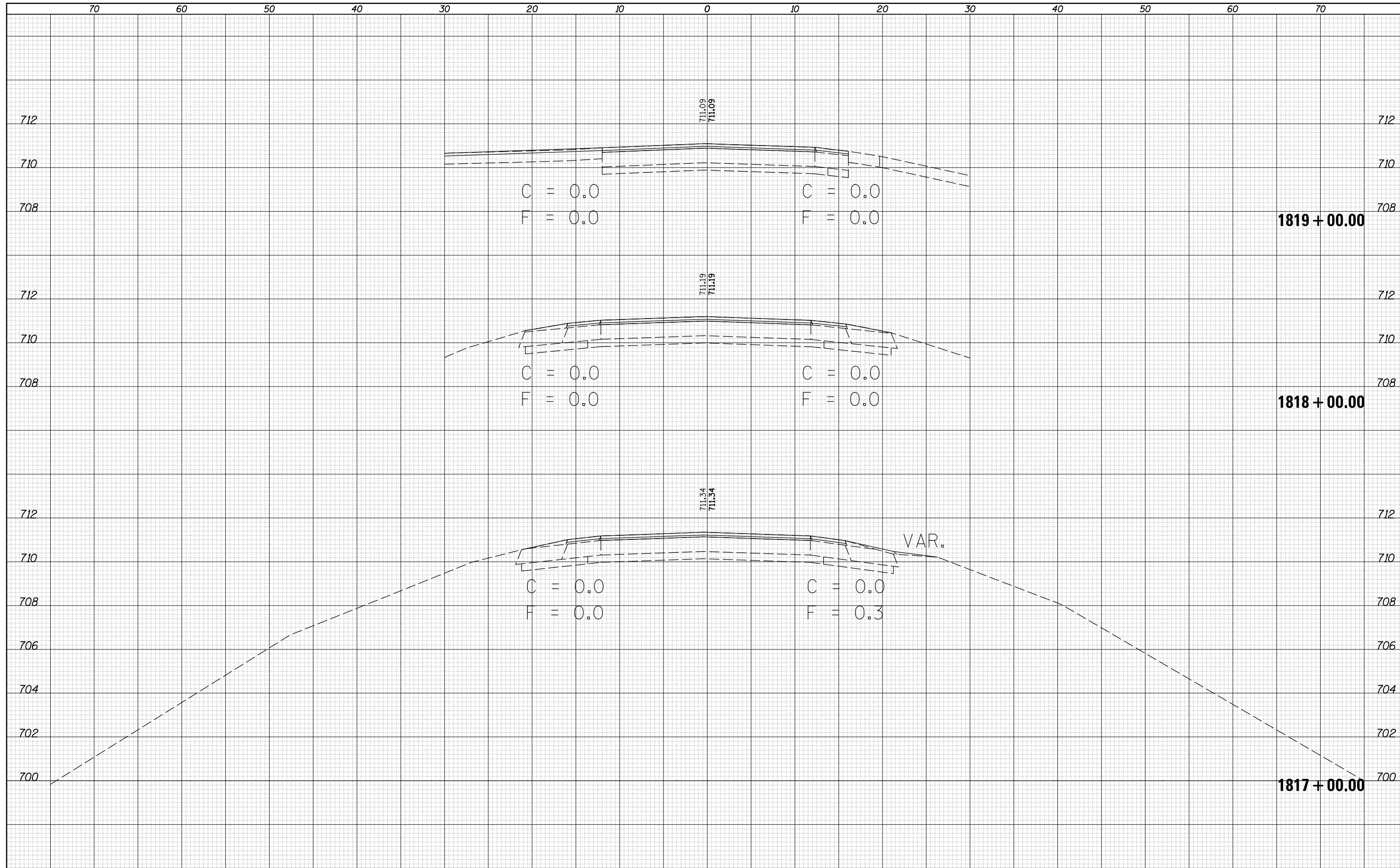
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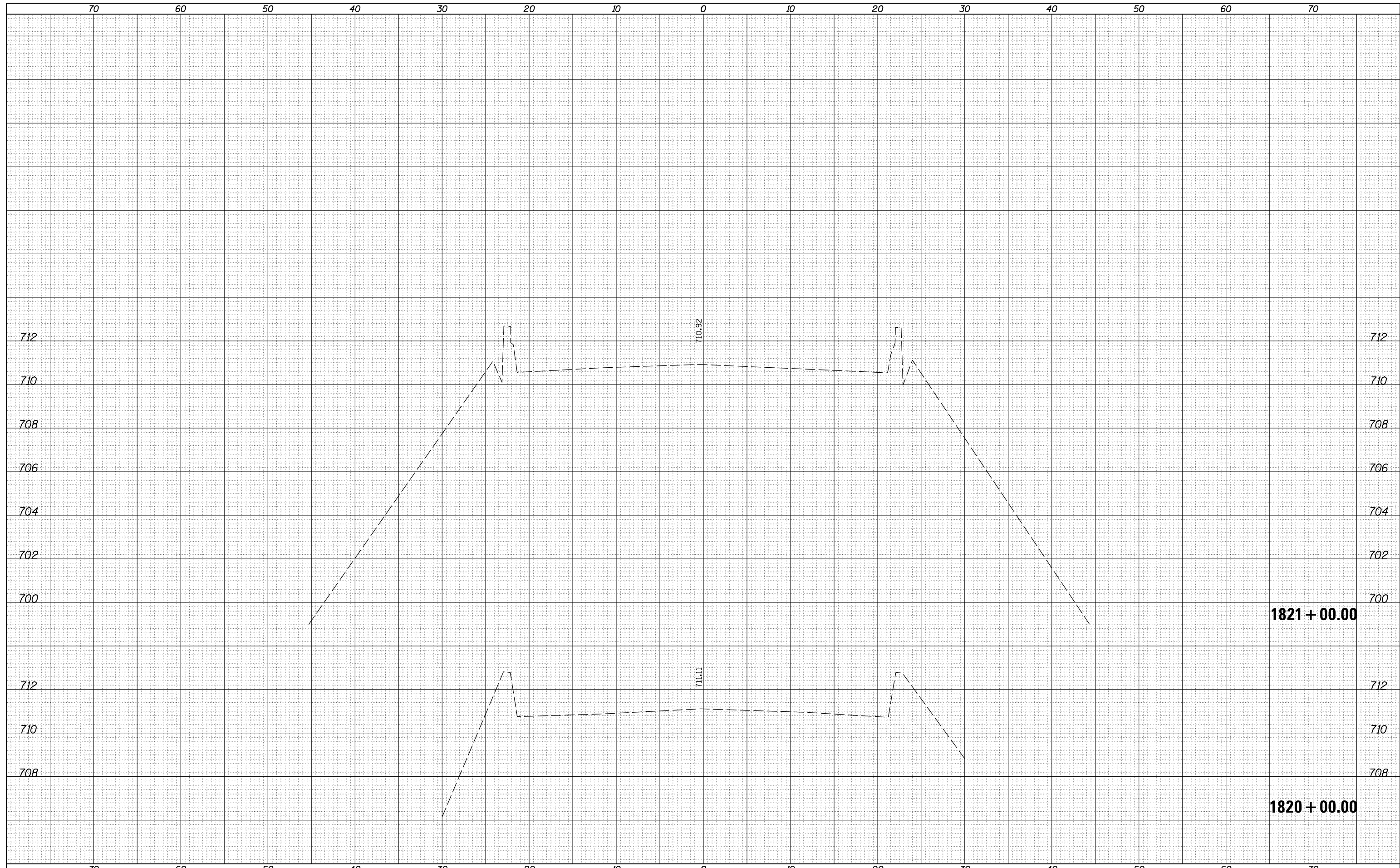
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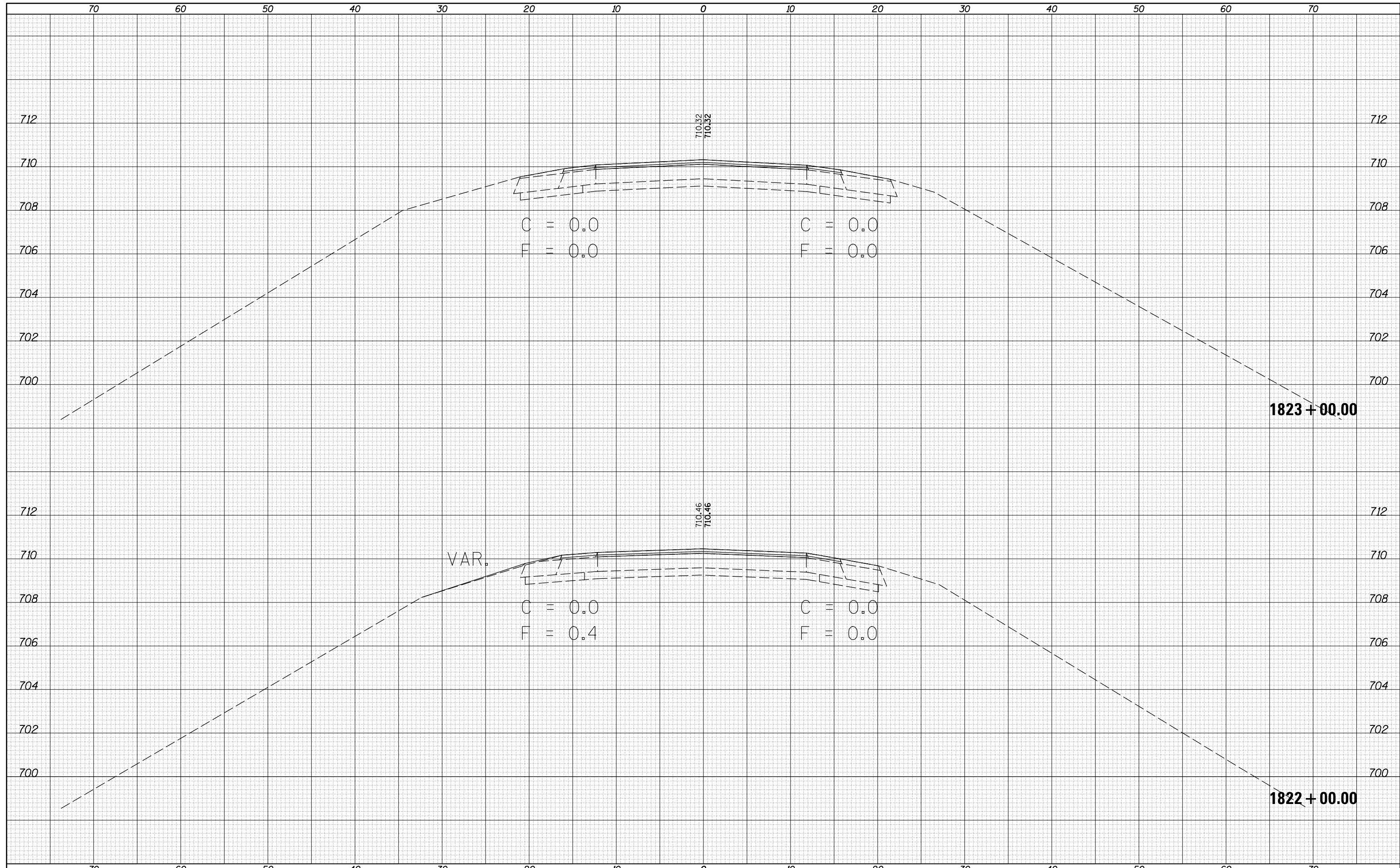
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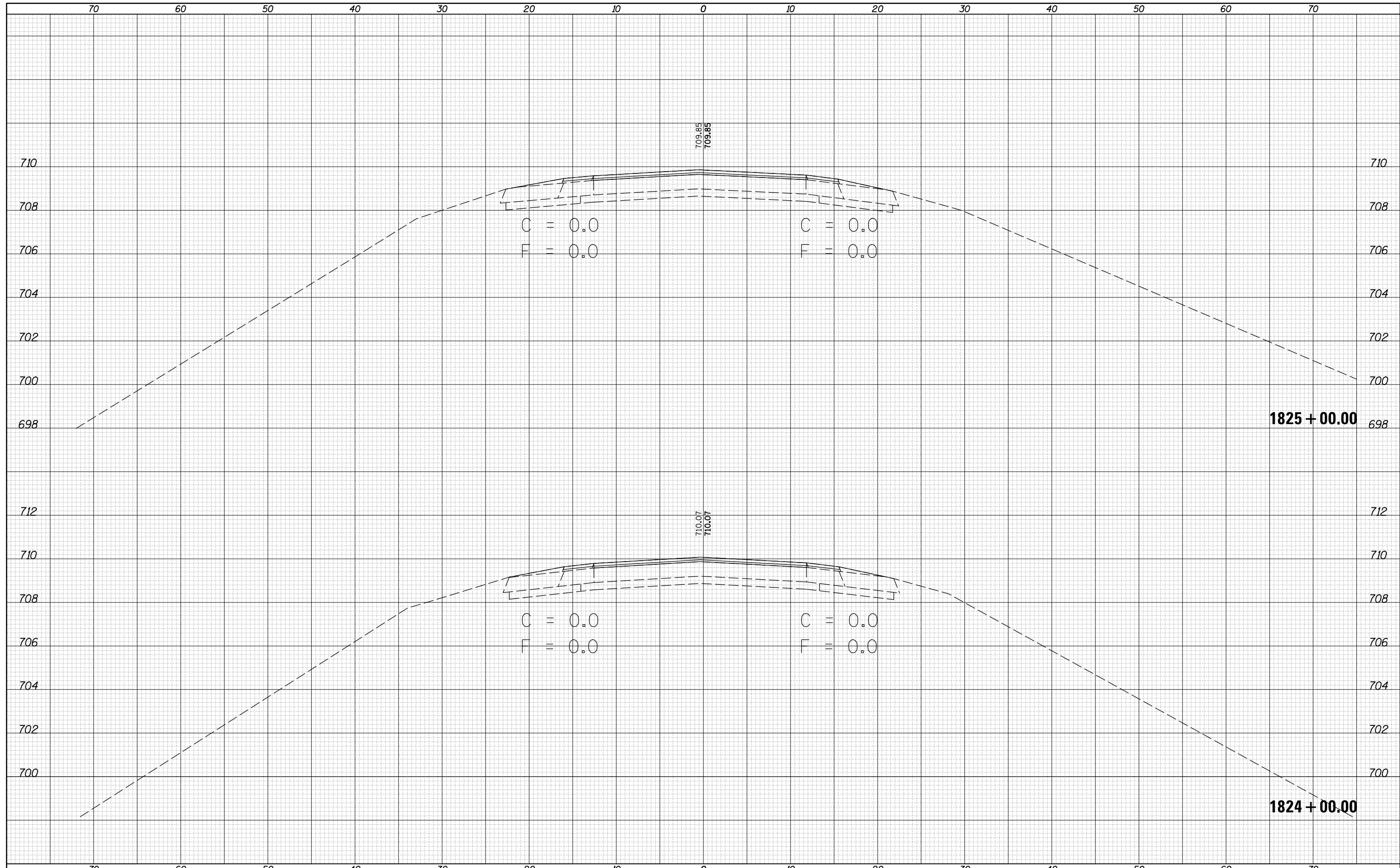
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570A56\CADD\Design\0570A56-sht-XS.dgn	NOTE BOOK	CHECKED -	REVISÉ -			709	105RS-2	CHAMPAIGN	113	59
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\$MODELNAME\$						SCALE:	SHEET 23 OF 77 SHEETS	STA. 1822+00.00 TO STA. 1823+00.00	ILLINOIS FED. AID PROJECT	

DATE	
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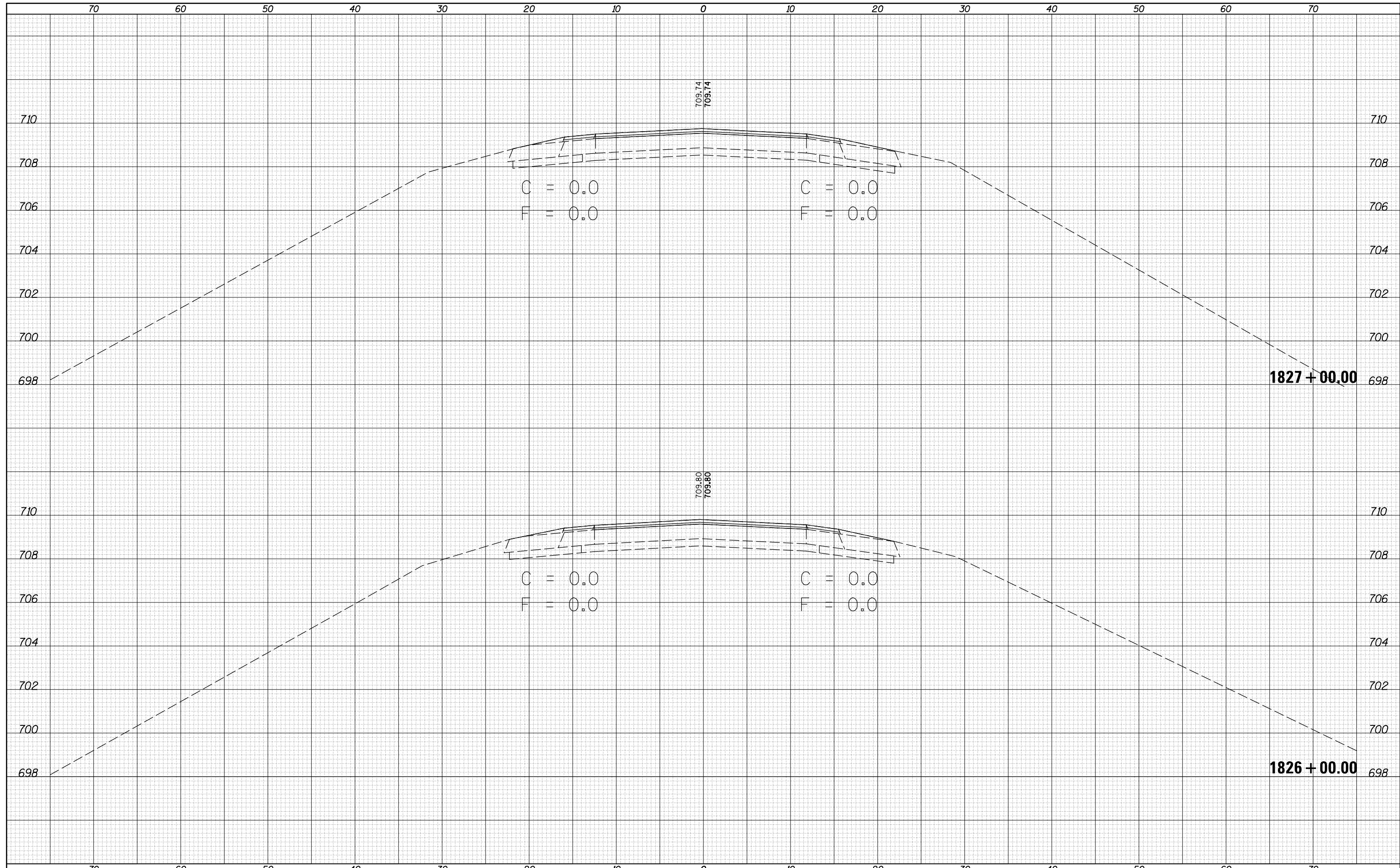
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570A56\CD\DRAWING\0570A56-sht-XS.dgn	PLLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -					709	105RS-2	CHAMPAIGN	113	60
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ILLINOIS FED. AID PROJECT												

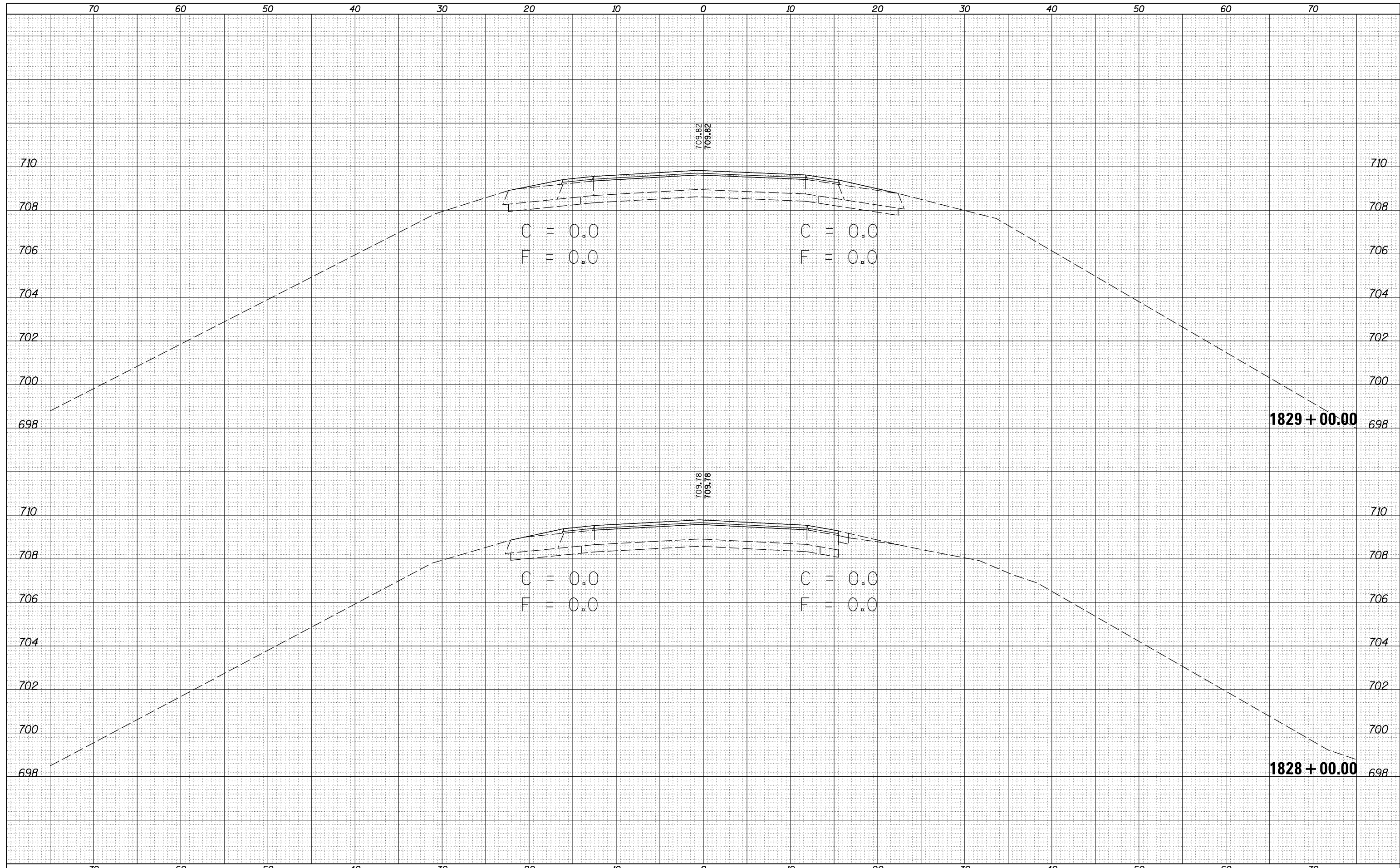
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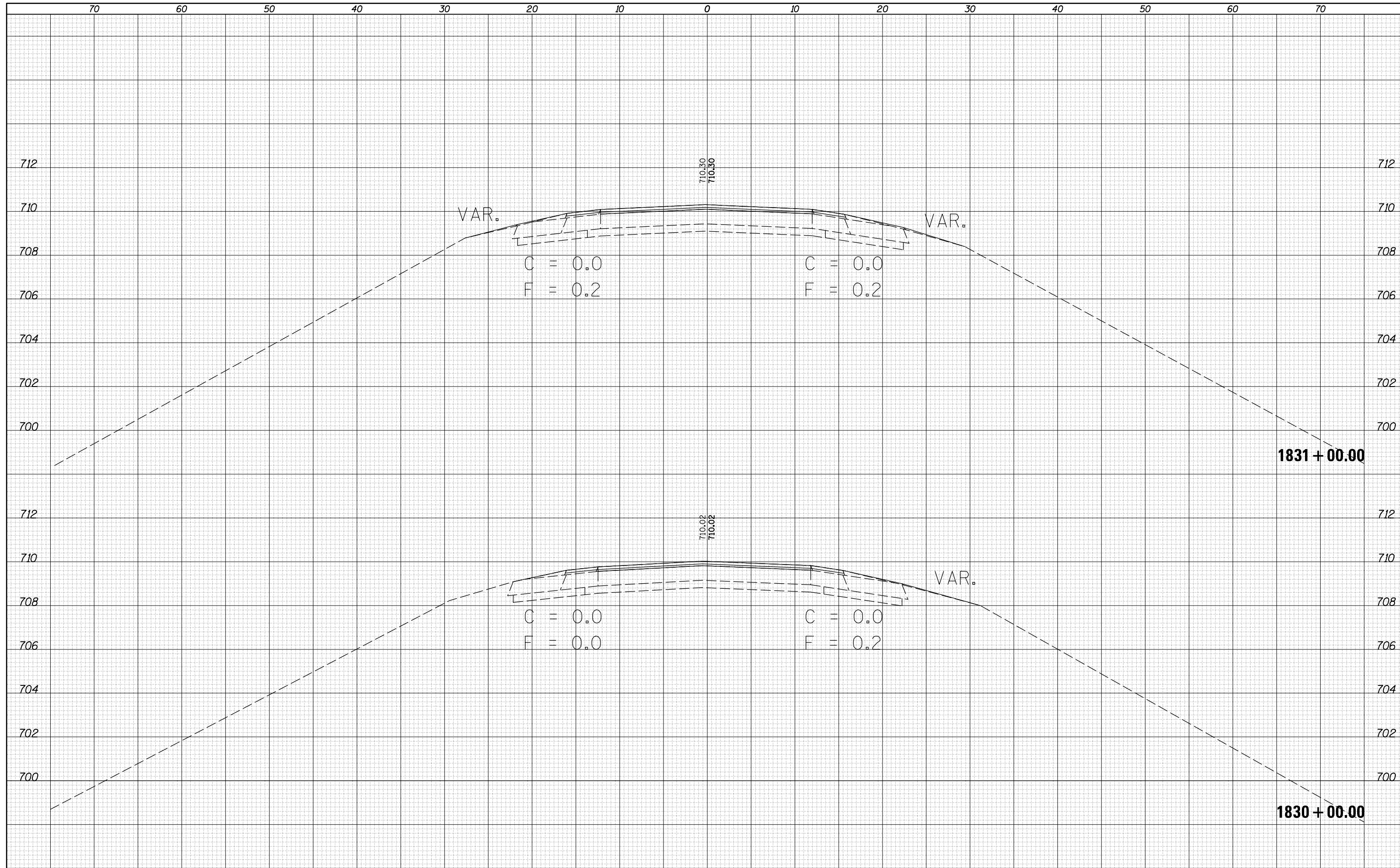
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*MODELNAME*	PLOT DATE = 12/10/2015	DATE -	REVISÉ -	SCALE:	SHEET 26 OF 77 SHEETS	STA. 1828+00.00 TO STA. 1829+00.00	ILLINOIS FED. AID PROJECT			

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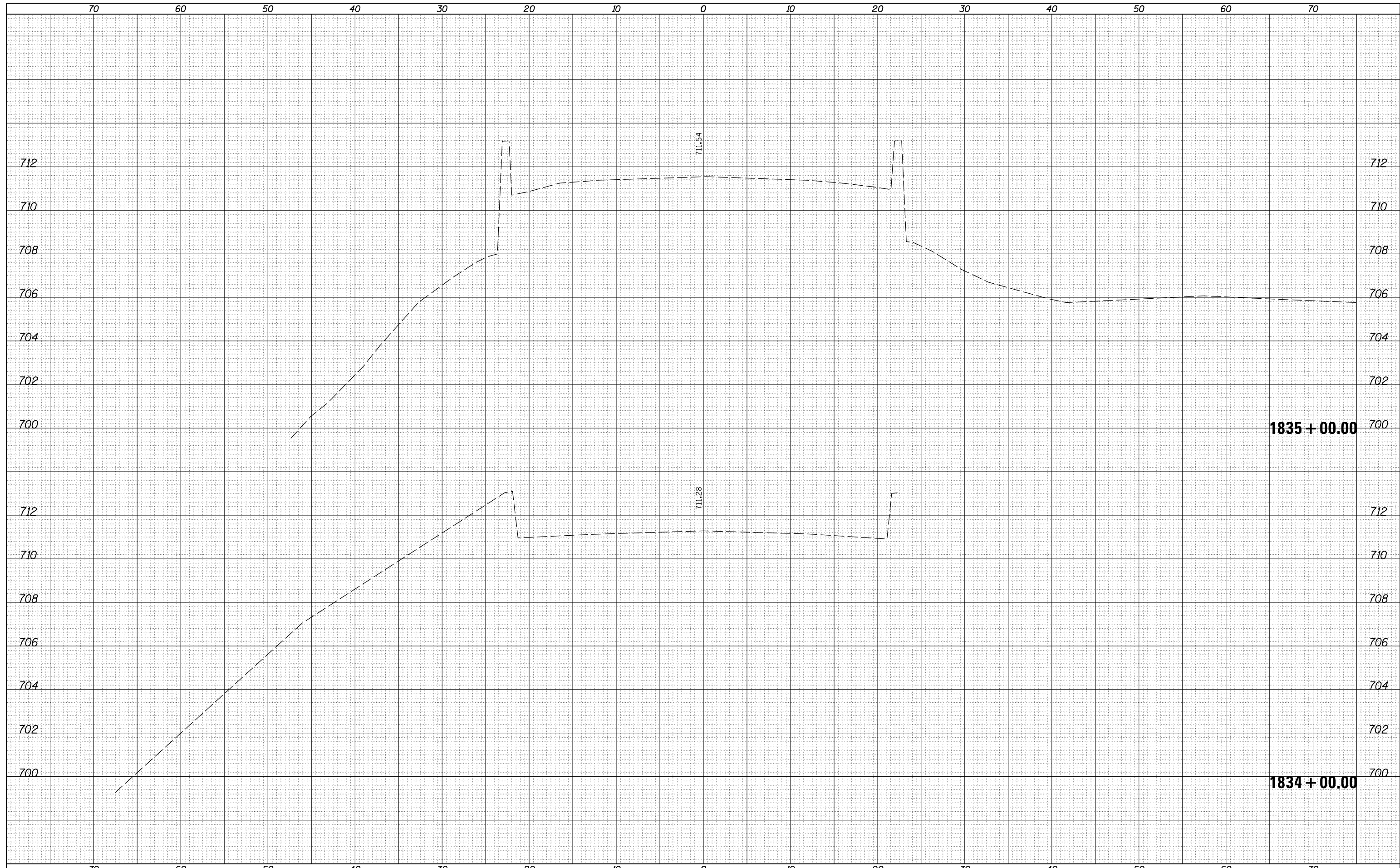
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DATE = 12/10/2015	DATE -	REVISÉ -	ILLINOIS FED. AID PROJECT							
SCALE:					SHEET 27 OF 77 SHEETS	STA. 1830+00.00 TO STA. 1831+00.00				





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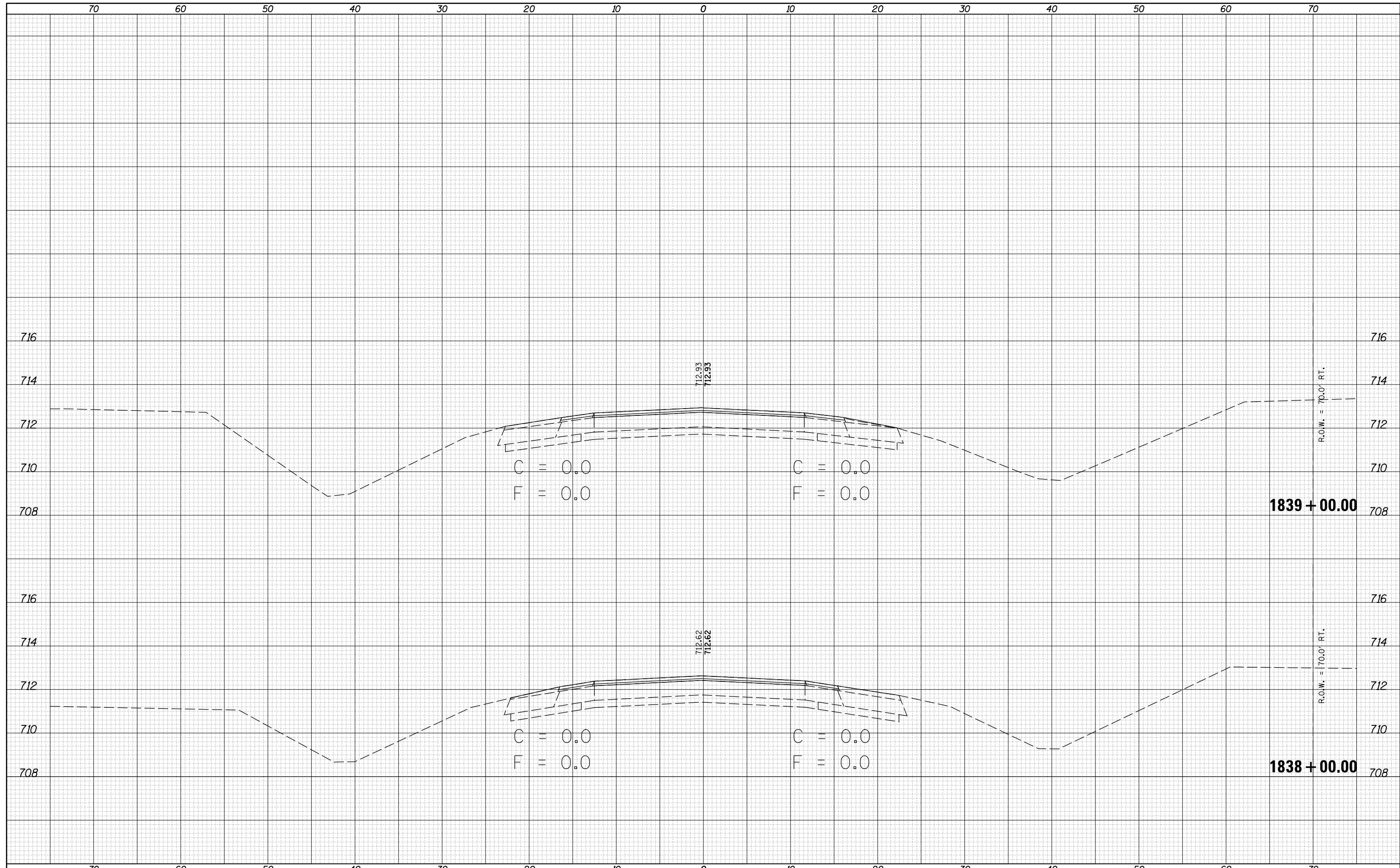
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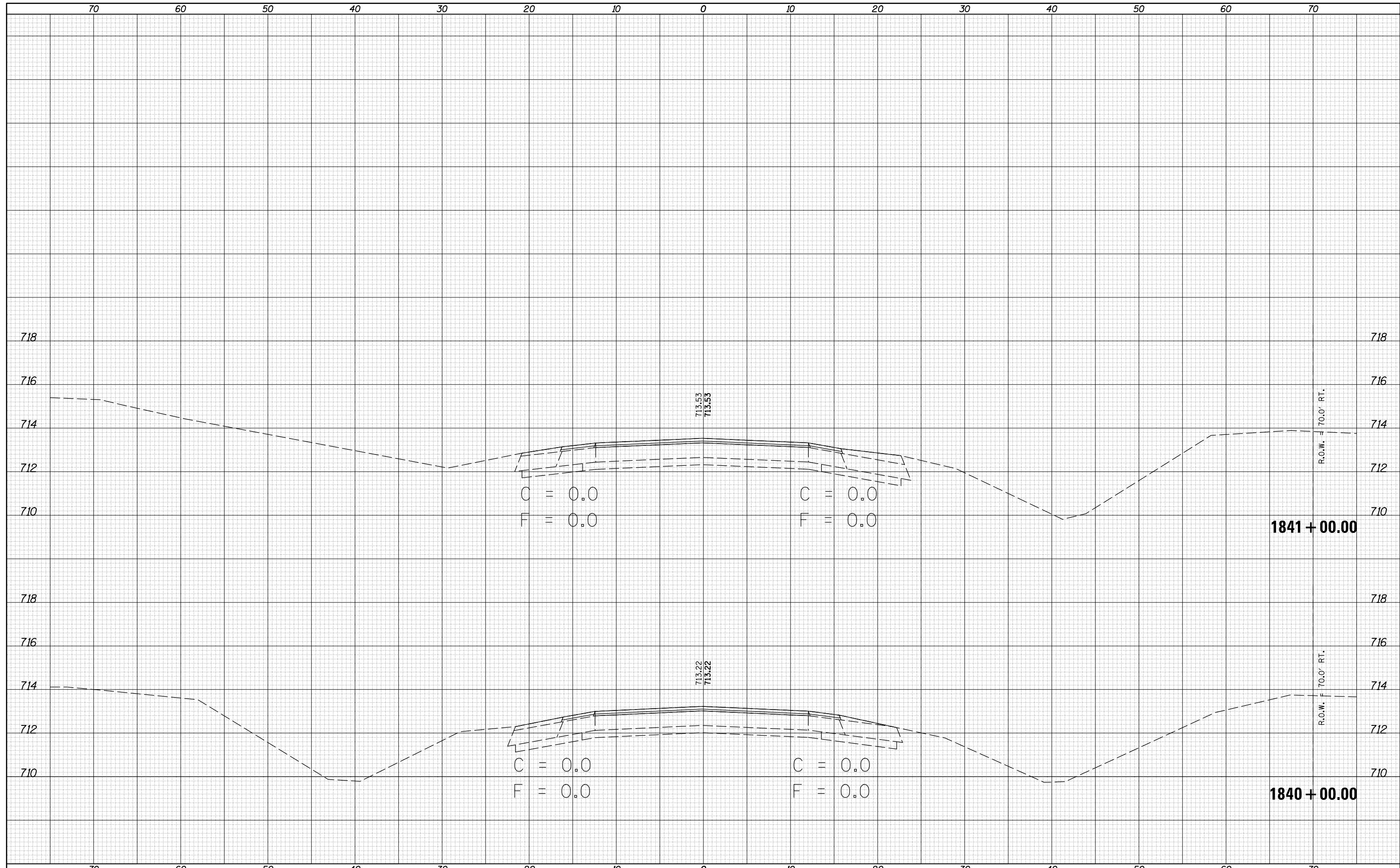
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FILE NAME =	USER NAME = bergena_j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*MODELNAME*	DATE -	REVISÉ -	REVISÉ -			ILLINOIS FED. AID PROJECT				
SCALE:						SHEET 31 OF 77 SHEETS		STA. 1838+00.00 TO STA. 1839+00.00		

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USER NAME = bergena.j  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

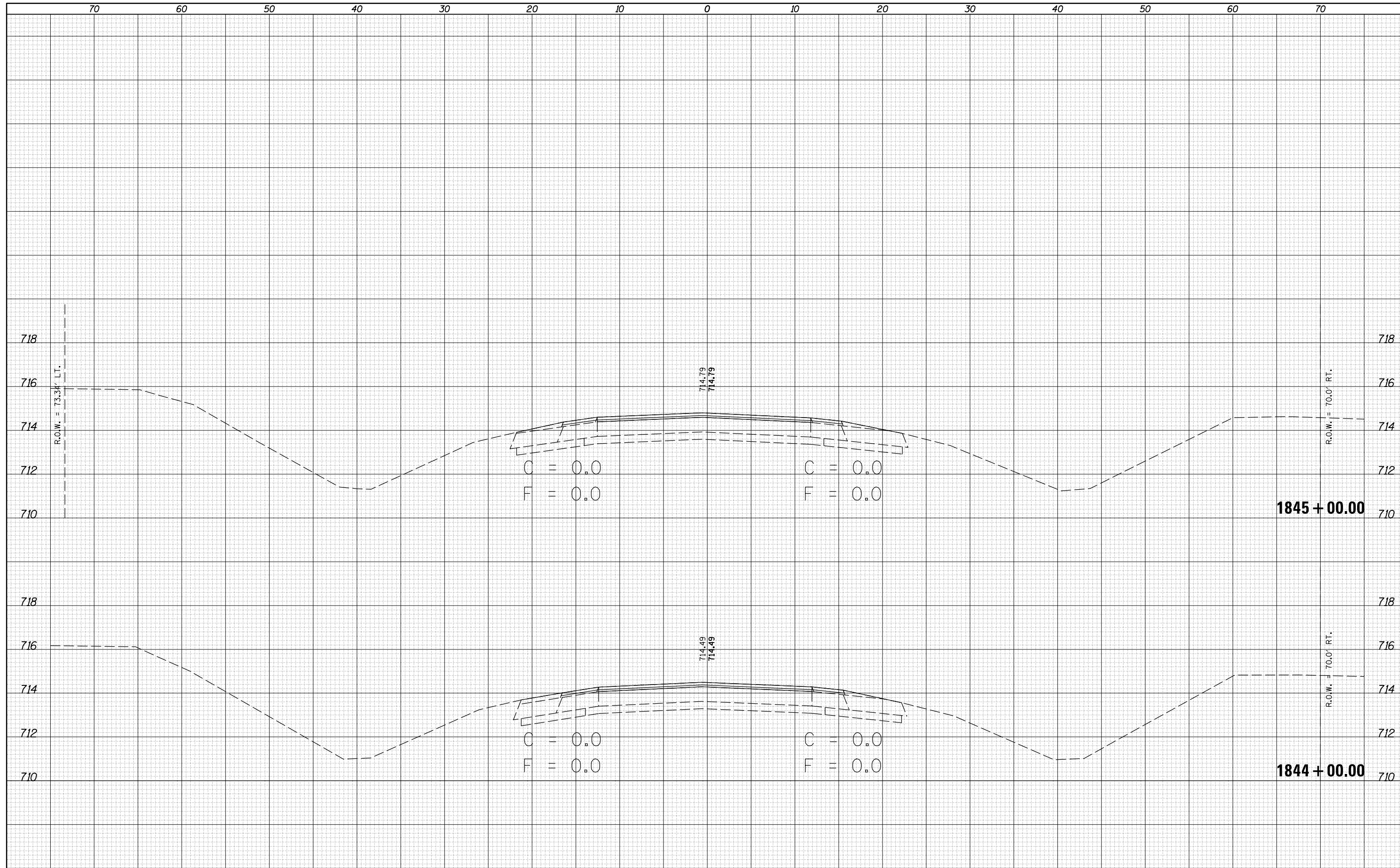
**CROSS SECTIONS US 136**  
 SCALE: SHEET 32 OF 77 SHEETS STA. 1840+00.00 TO STA. 1841+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	68
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**

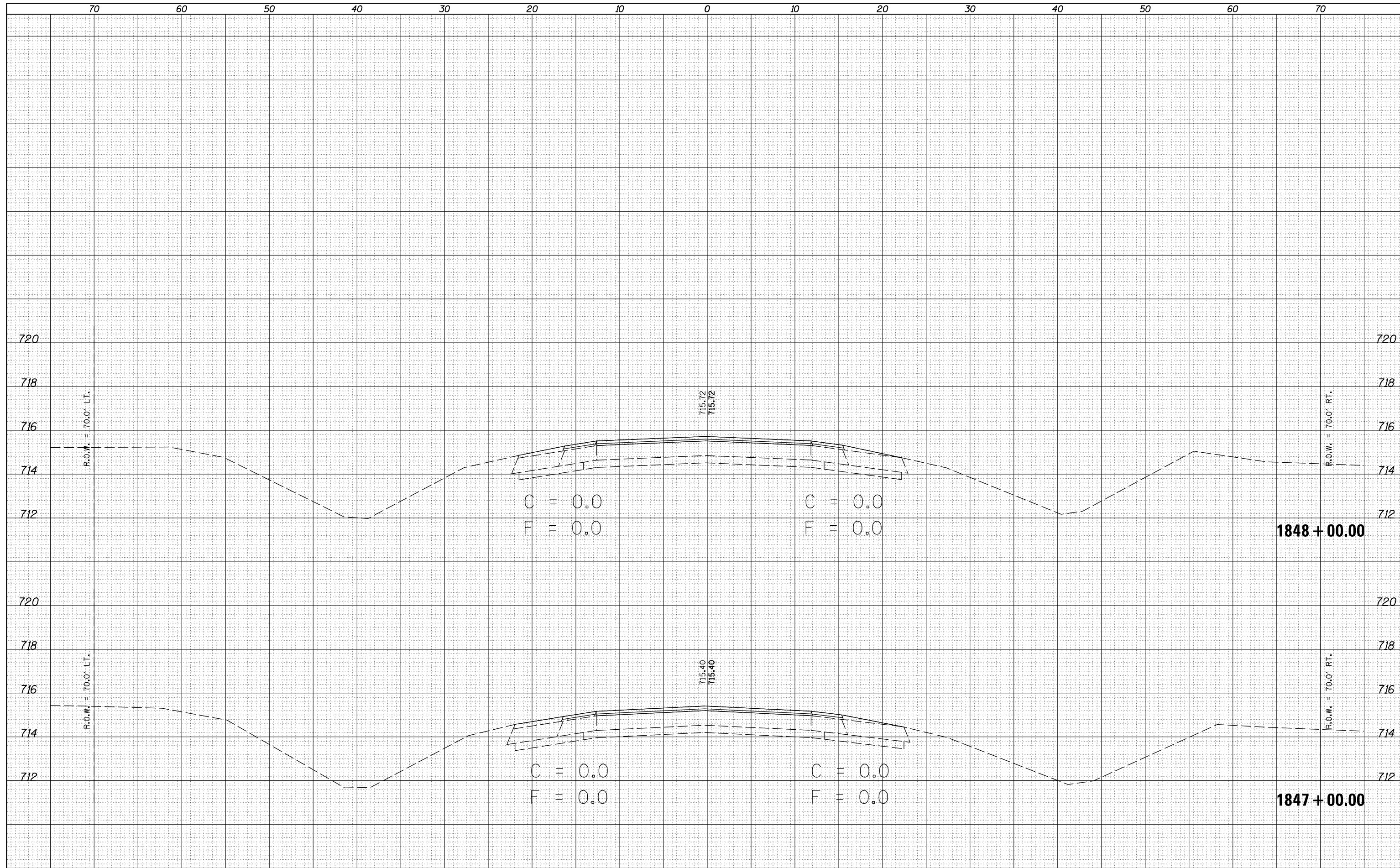
SCALE: SHEET 34 OF 77 SHEETS STA. 1844+00.00 TO STA. 1845+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	70
			CONTRACT NO. 70A56	
ILLINOIS FED. AID PROJECT				



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 DEPARTMENT OF TRANSPORTATION

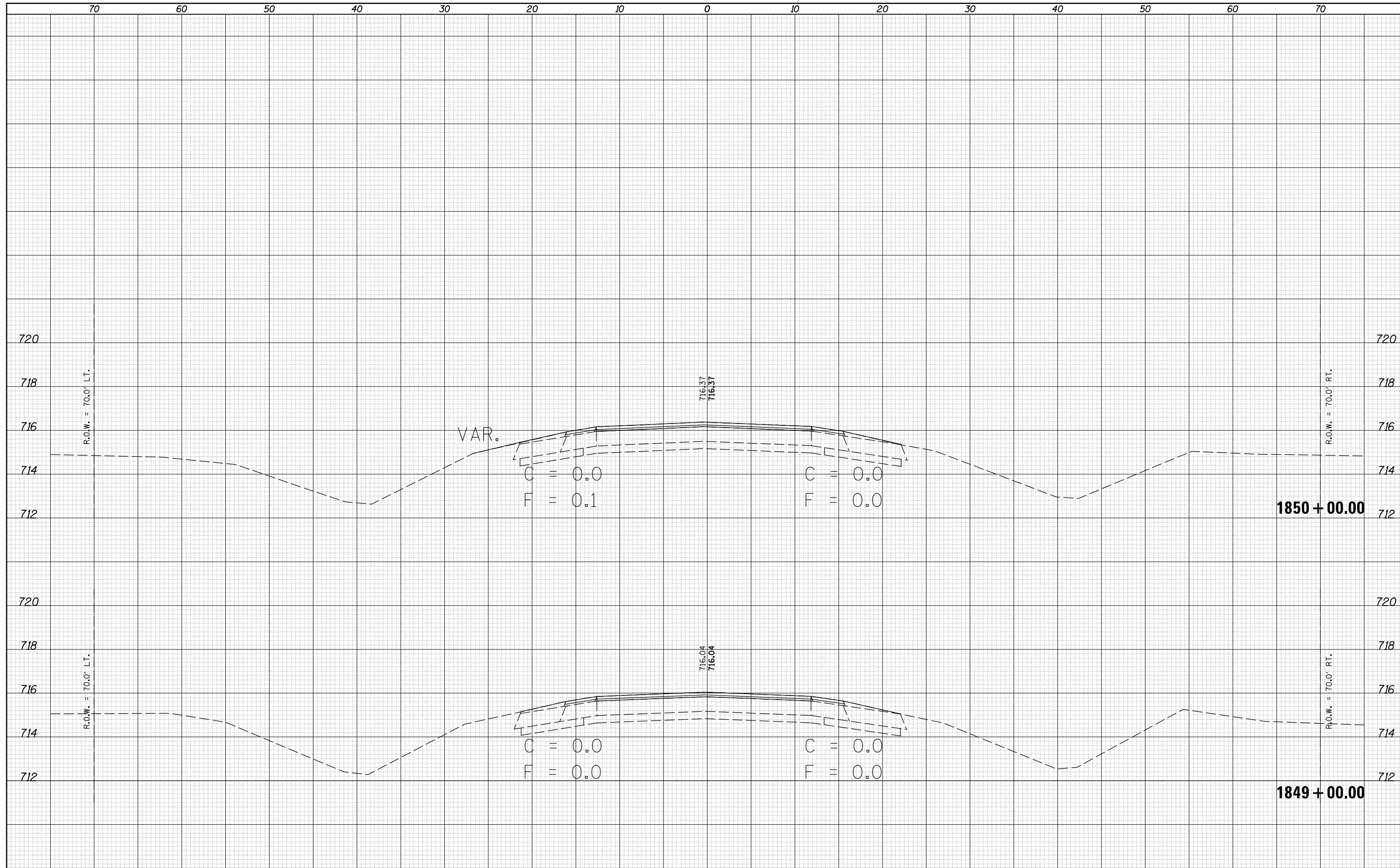
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 SCALE: SHEET 36 OF 77 SHEETS STA. 1847+00.00 TO STA. 1848+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	72
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	



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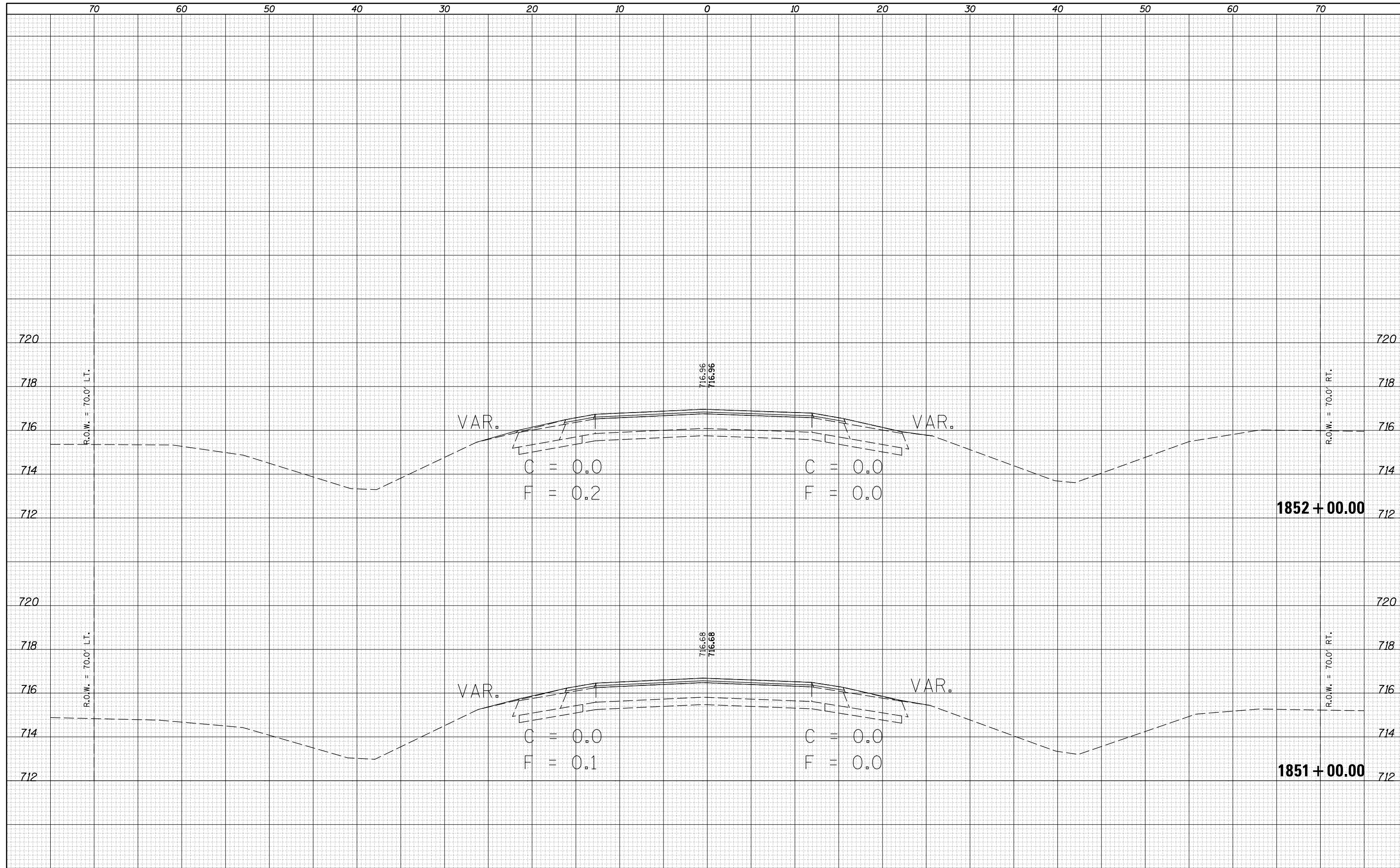
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**

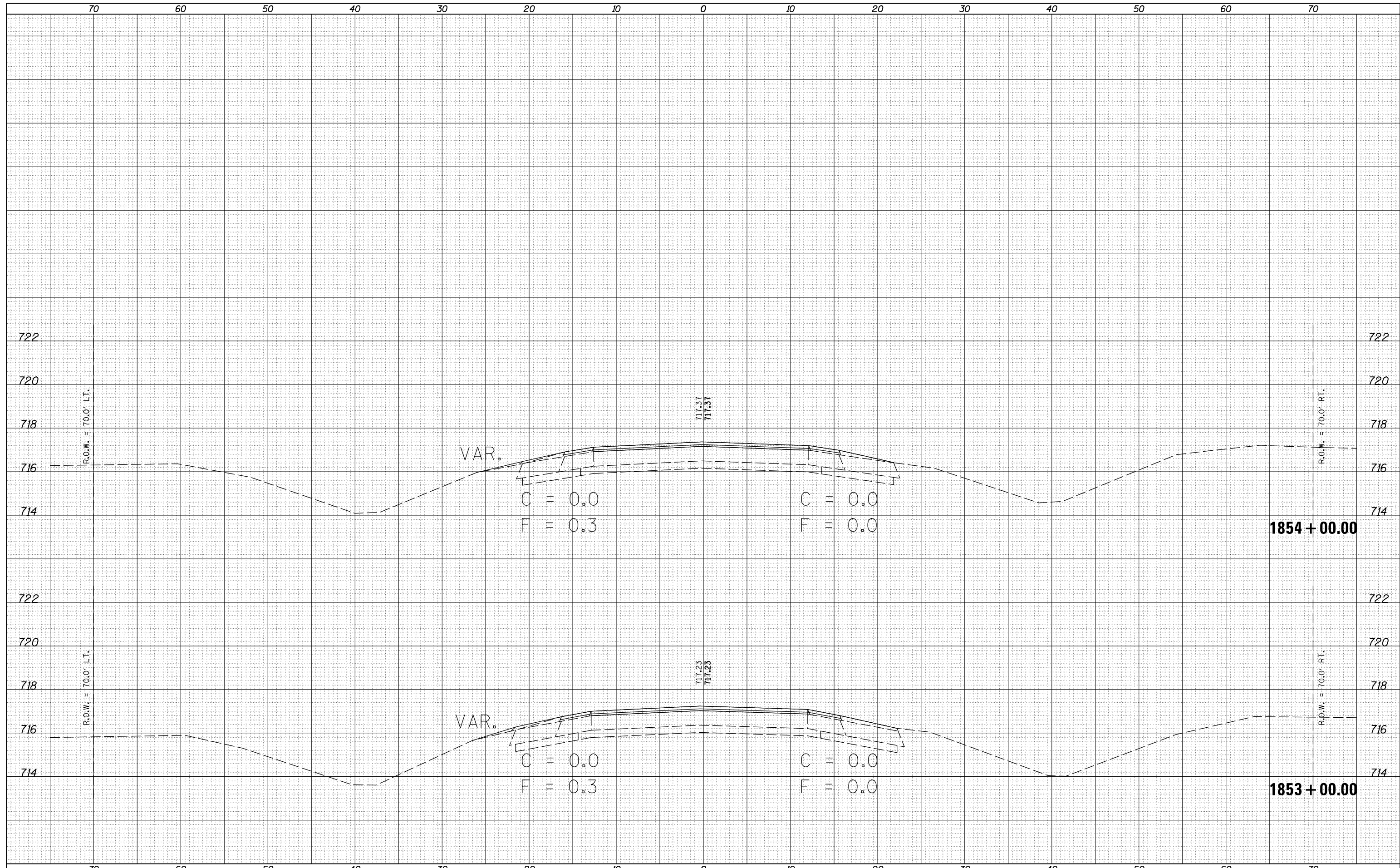
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USER NAME = bergena.j  
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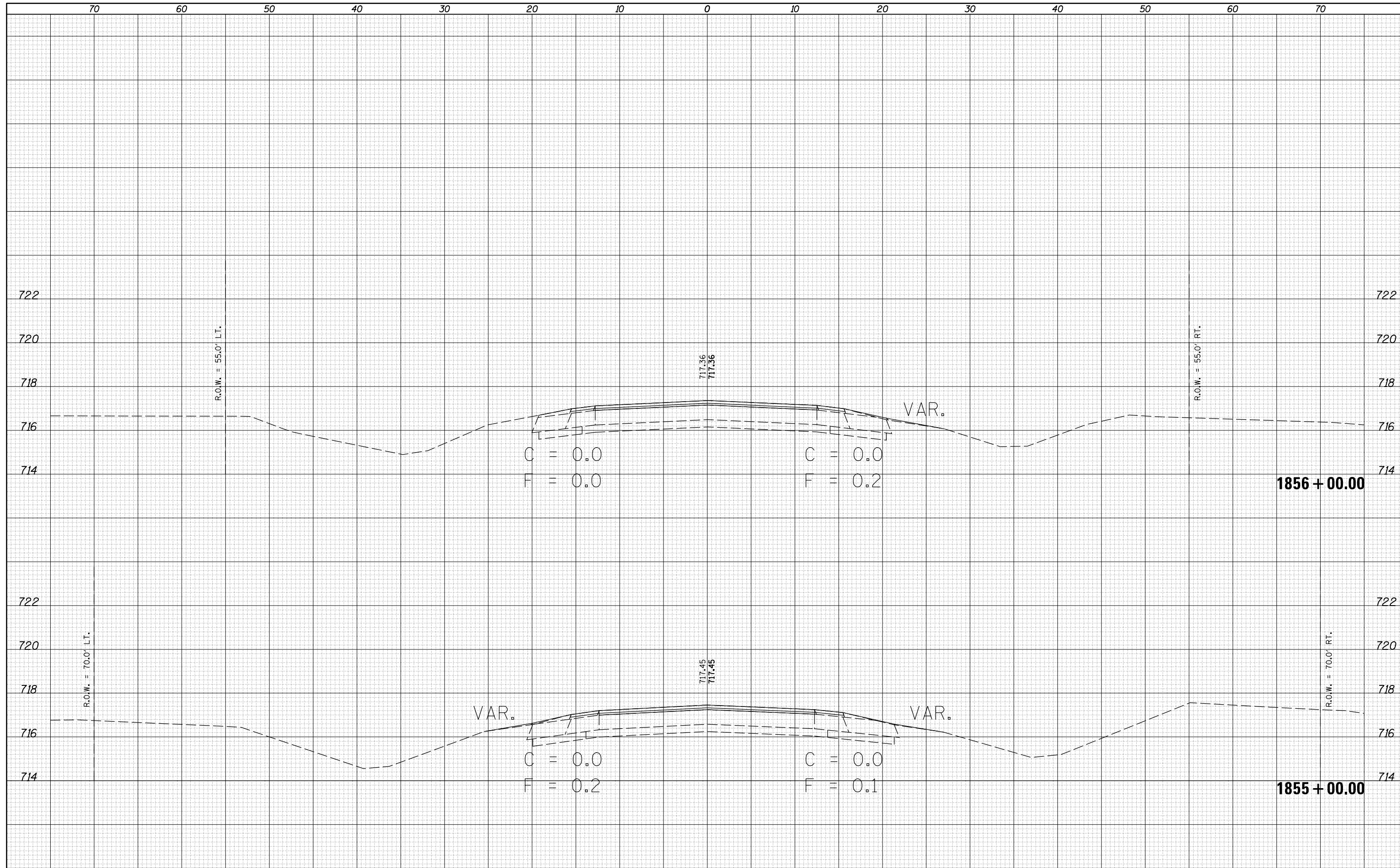
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**  
 SCALE: SHEET 39 OF 77 SHEETS STA. 1853+00.00 TO STA. 1854+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	75
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

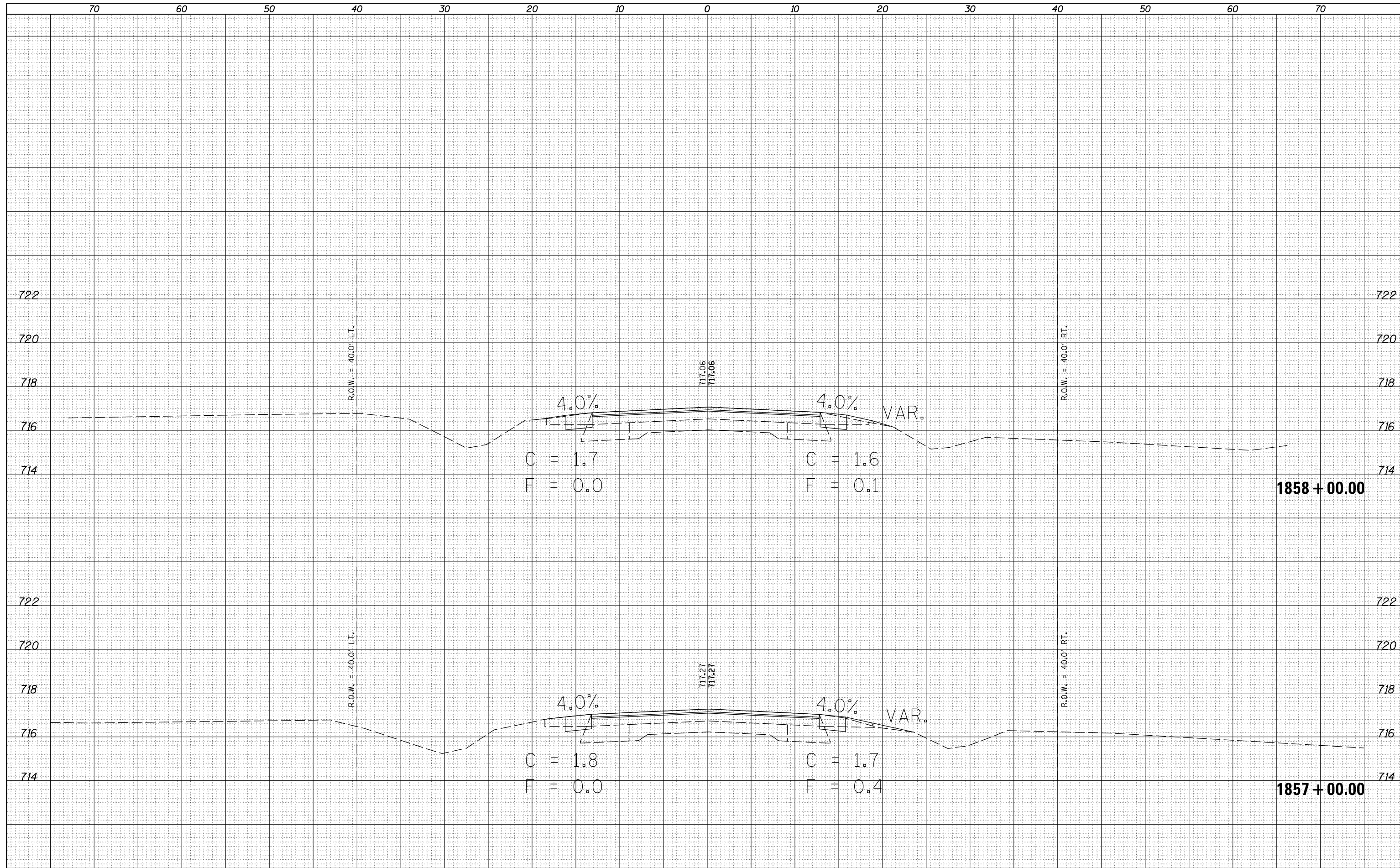
DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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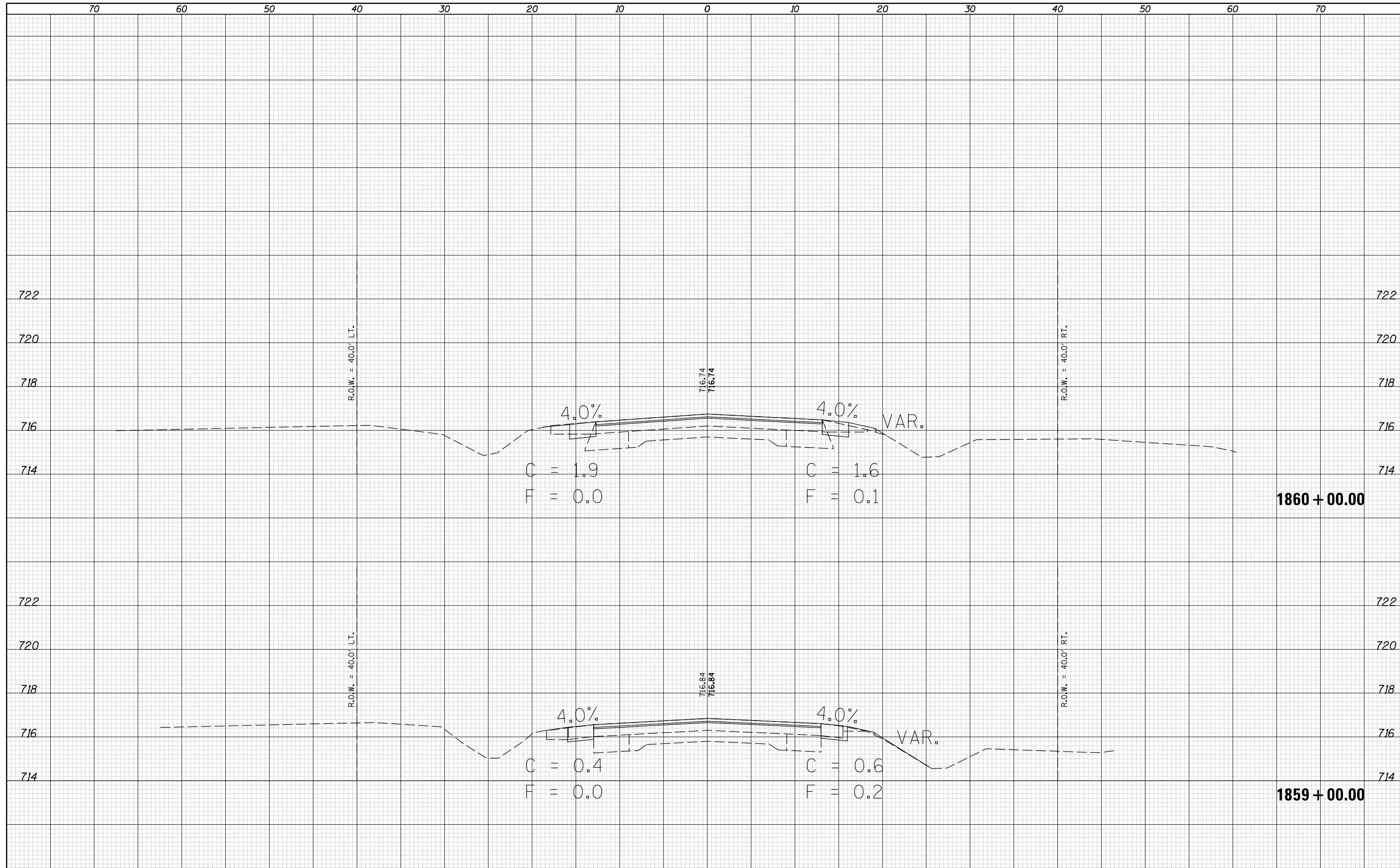
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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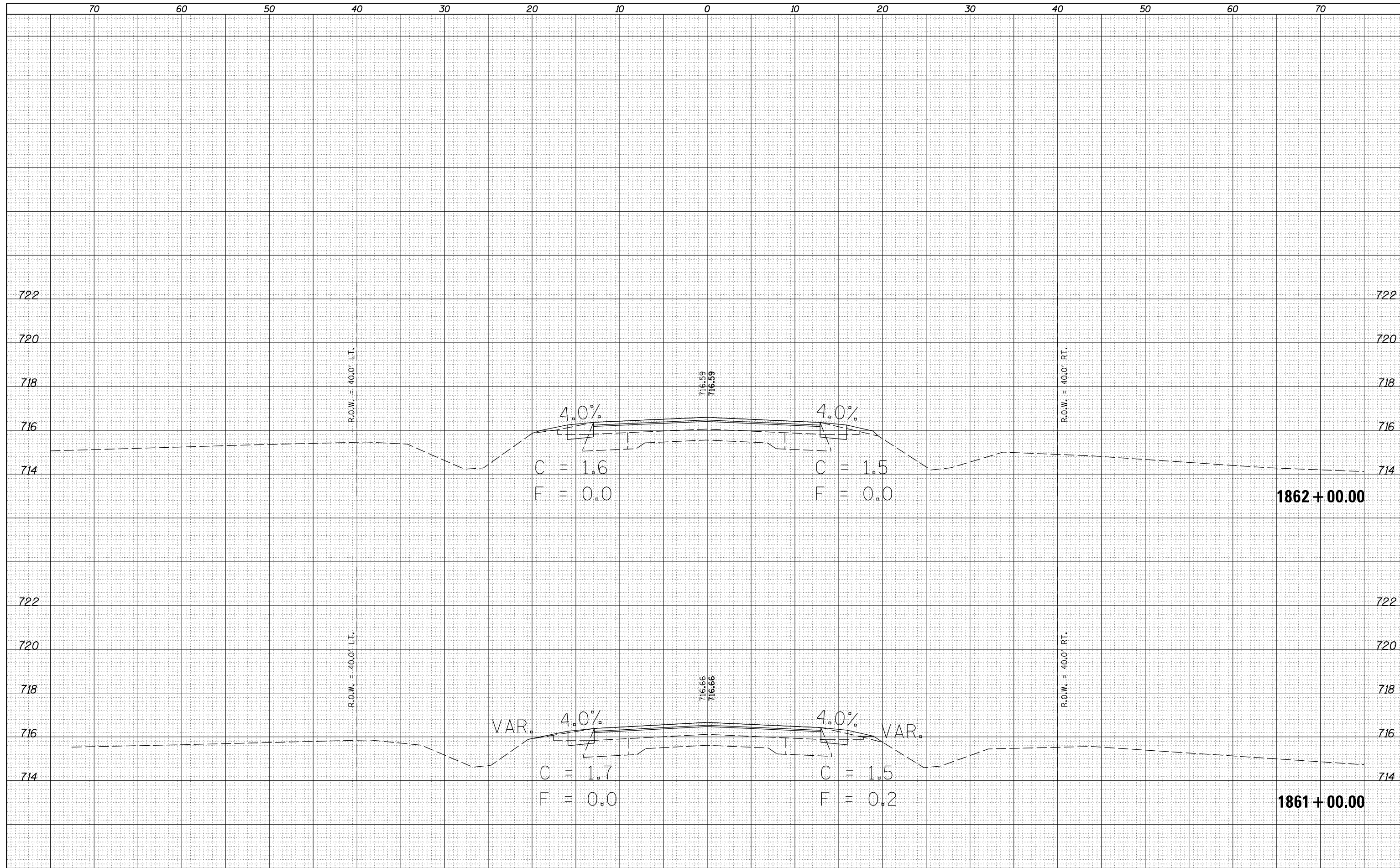
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ORIGINAL SURVEY	SURVEYED
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DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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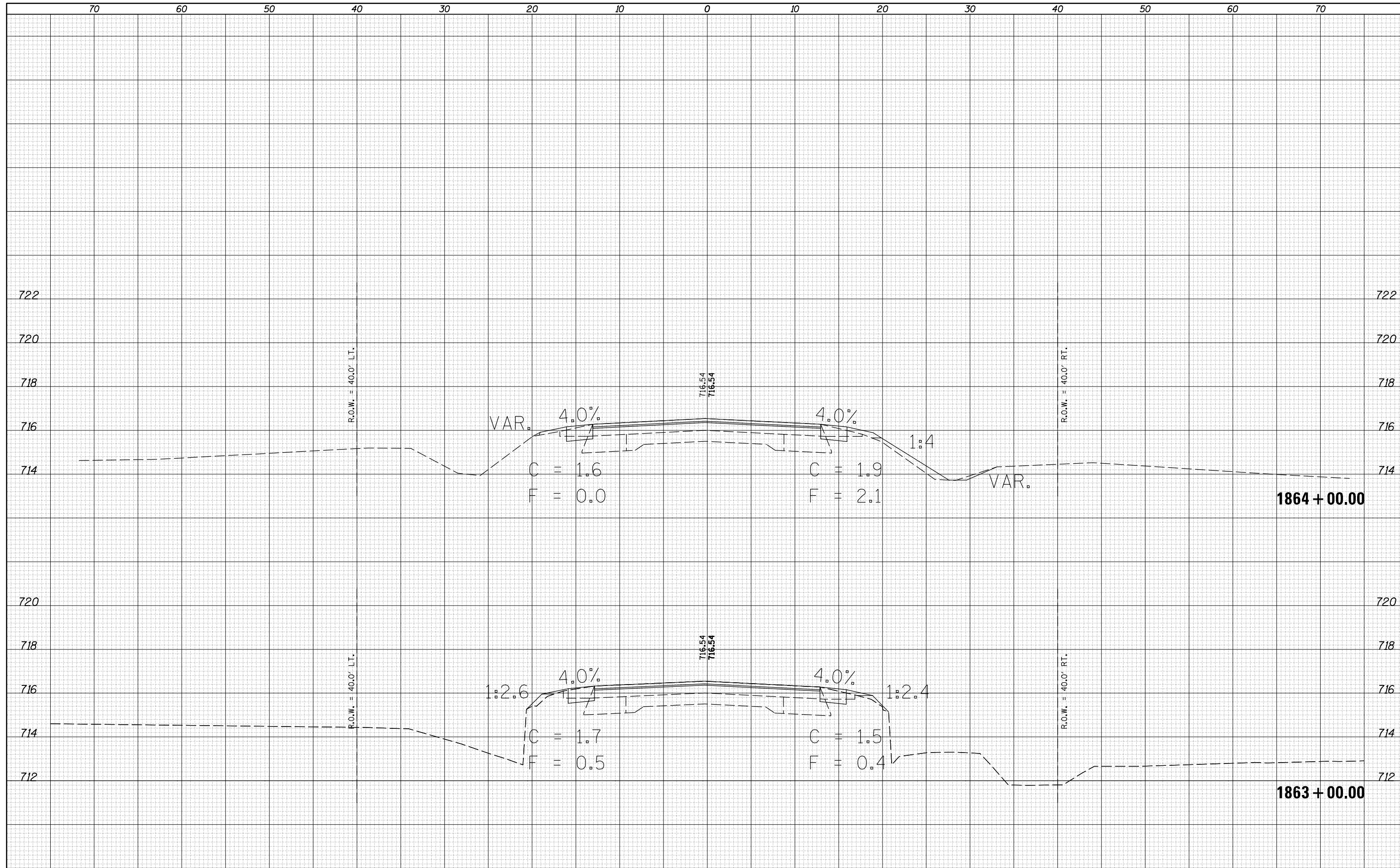
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**  
 SCALE: SHEET 43 OF 77 SHEETS STA. 1861+00.00 TO STA. 1862+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	79
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

DATE	
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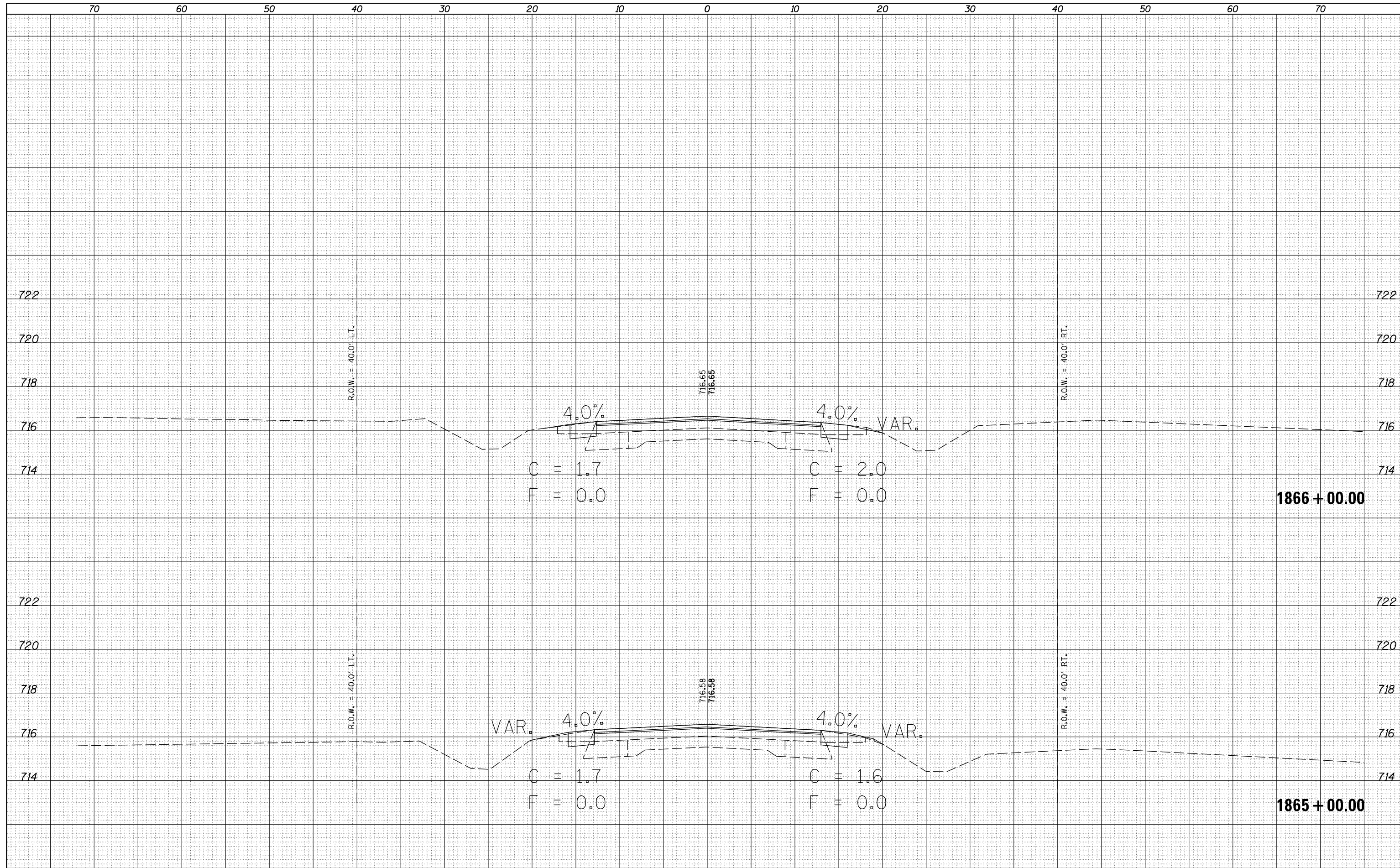
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FINAL SURVEY	
NOTE BOOK NO.	
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ORIGINAL SURVEY	
NOTE BOOK NO.	
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USER NAME = bergena.j  
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 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 12/10/2015

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

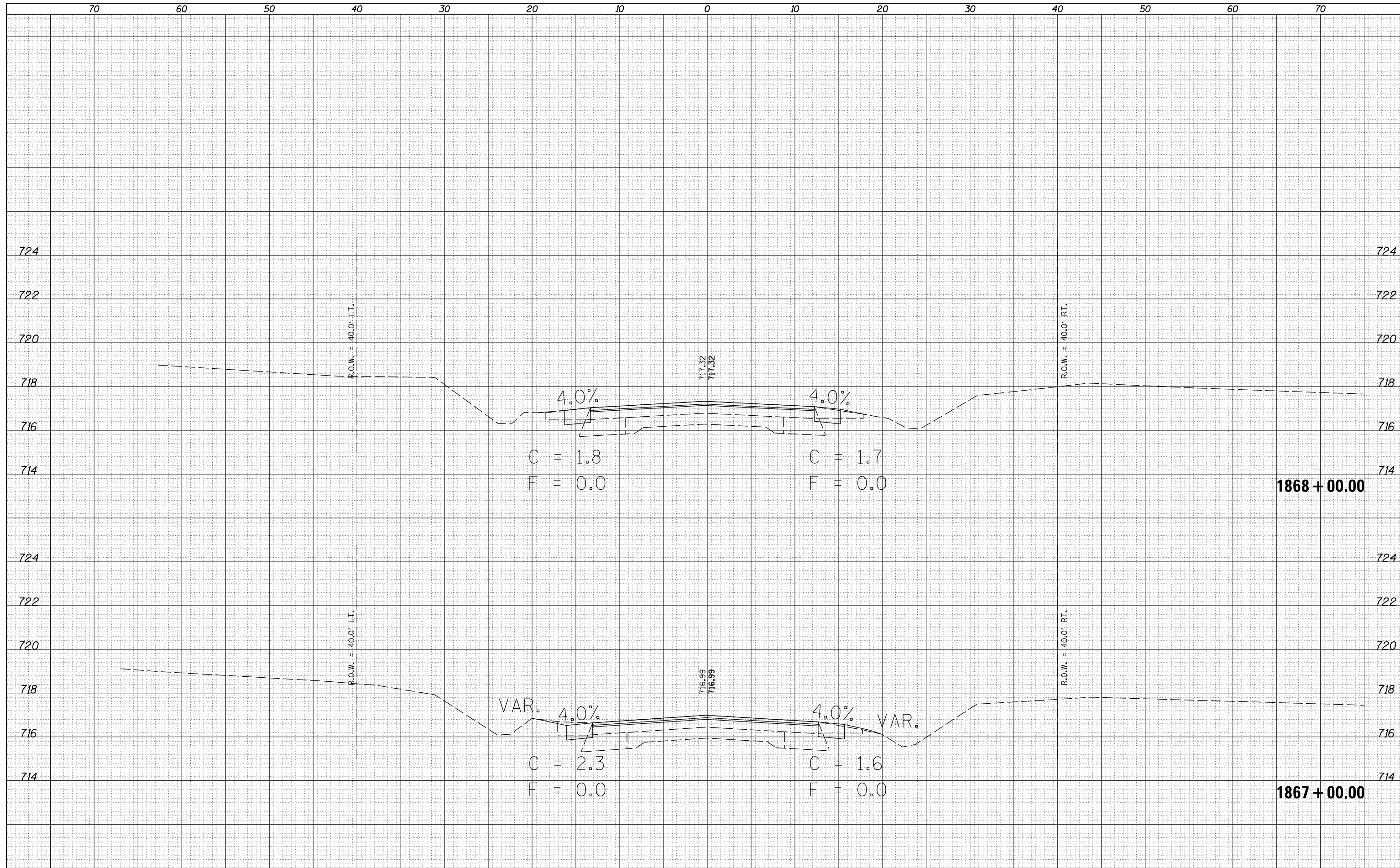
**CROSS SECTIONS US 136**  
 SCALE: SHEET 45 OF 77 SHEETS STA. 1865+00.00 TO STA. 1866+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	81
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	



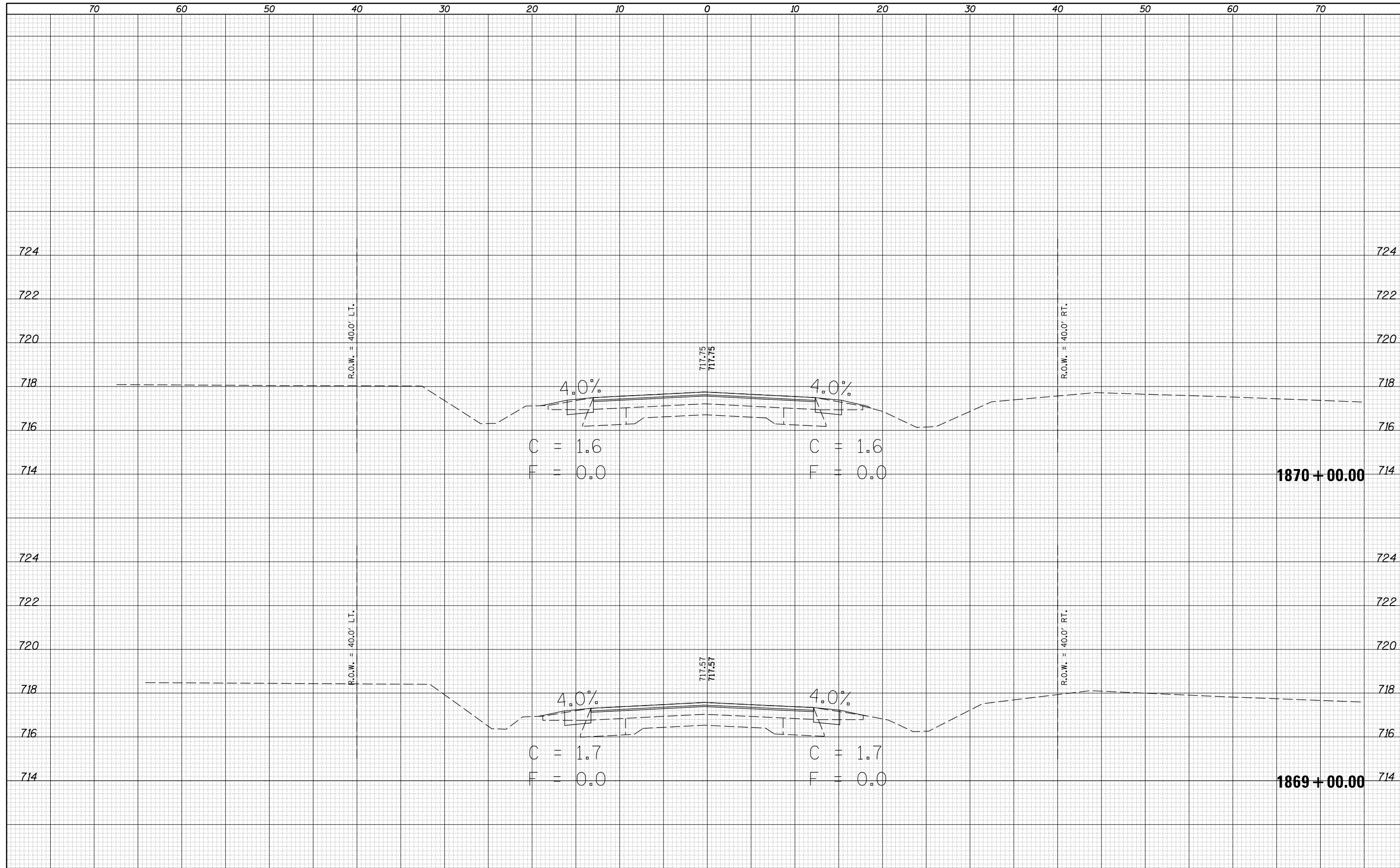
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NOTE BOOK	PLOTTED
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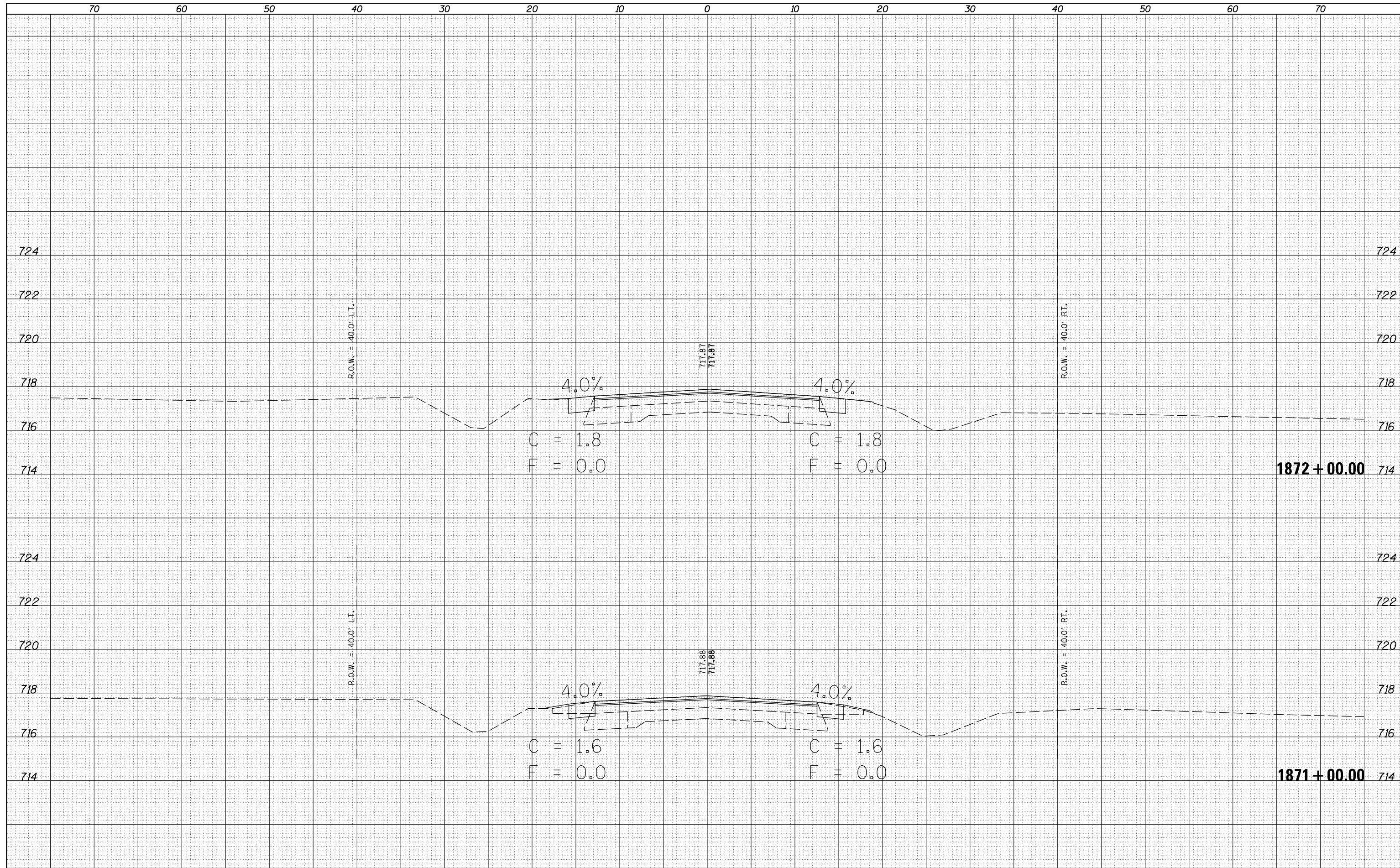
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NOTE BOOK	PLOTTED
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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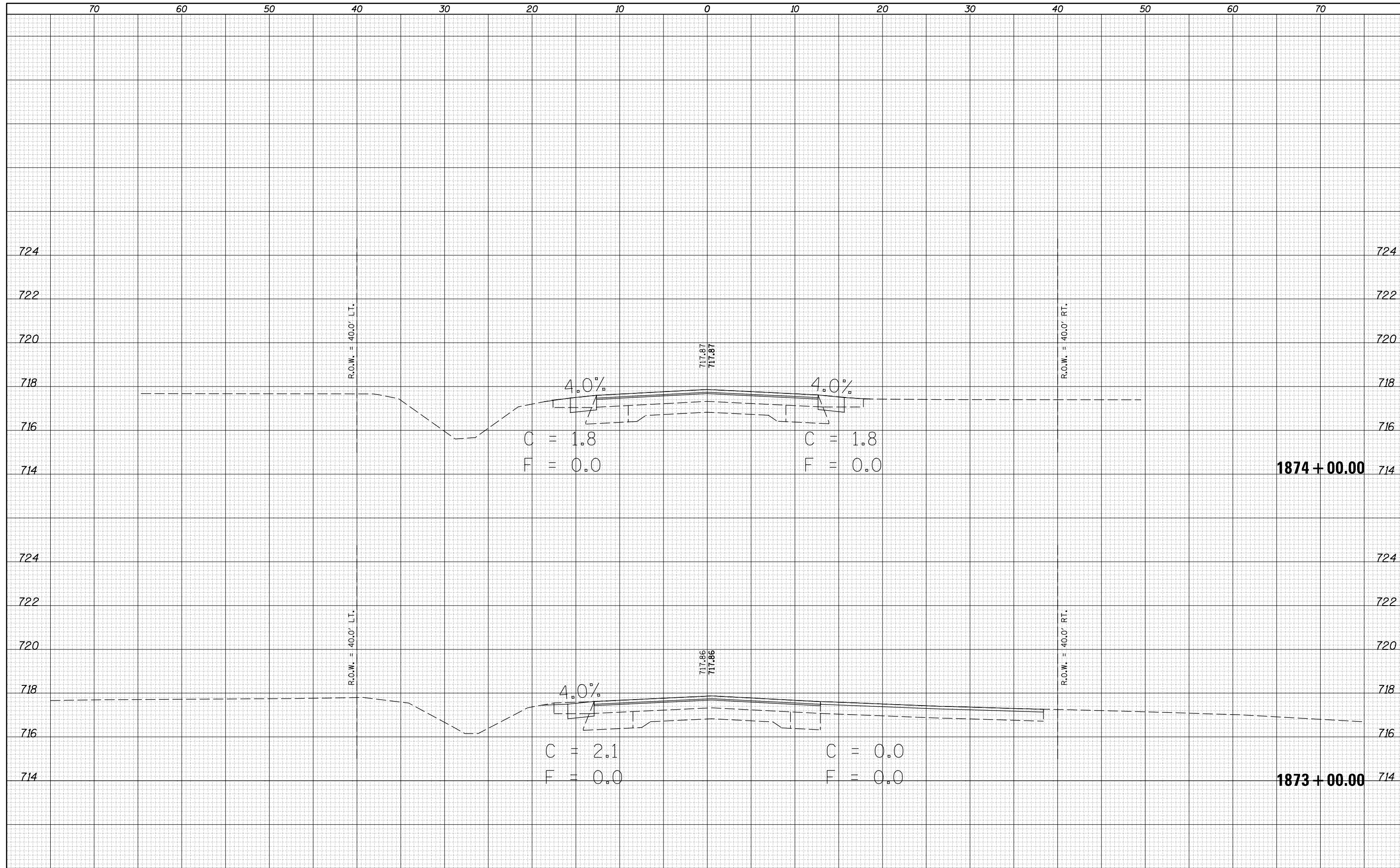
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NOTE BOOK	PLOTTED
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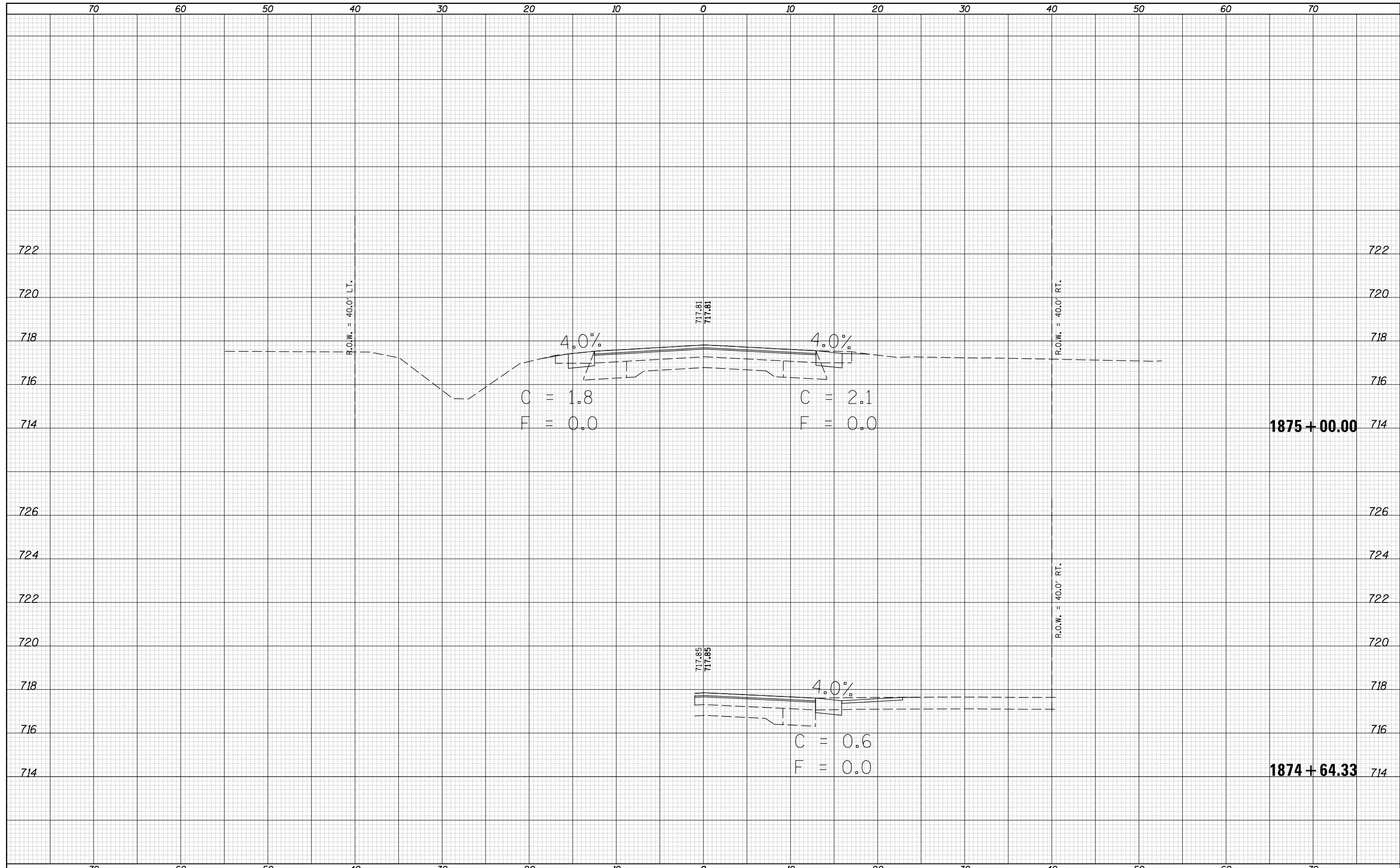
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NOTE BOOK	PLOTTED
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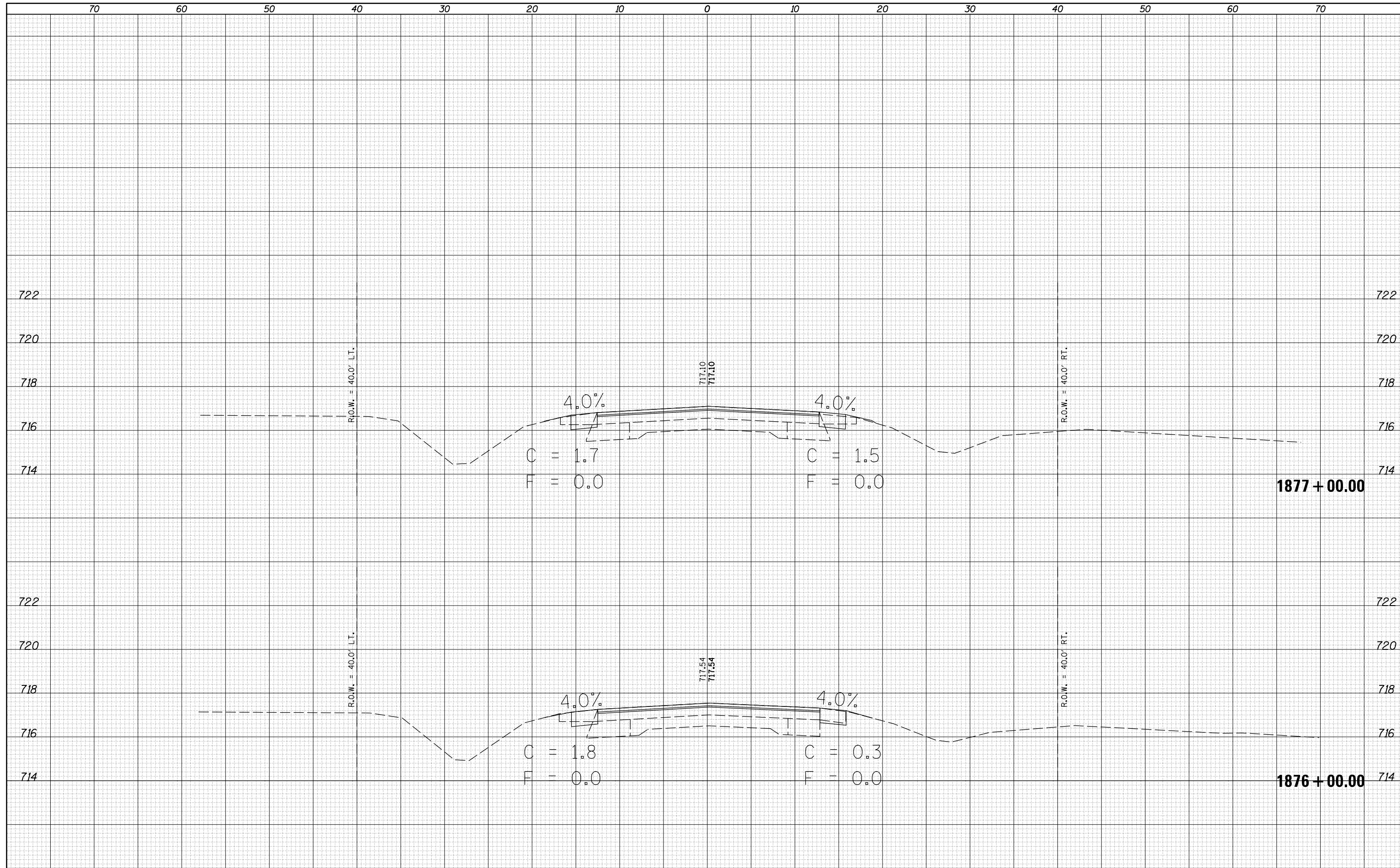
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NOTE BOOK	PLOTTED
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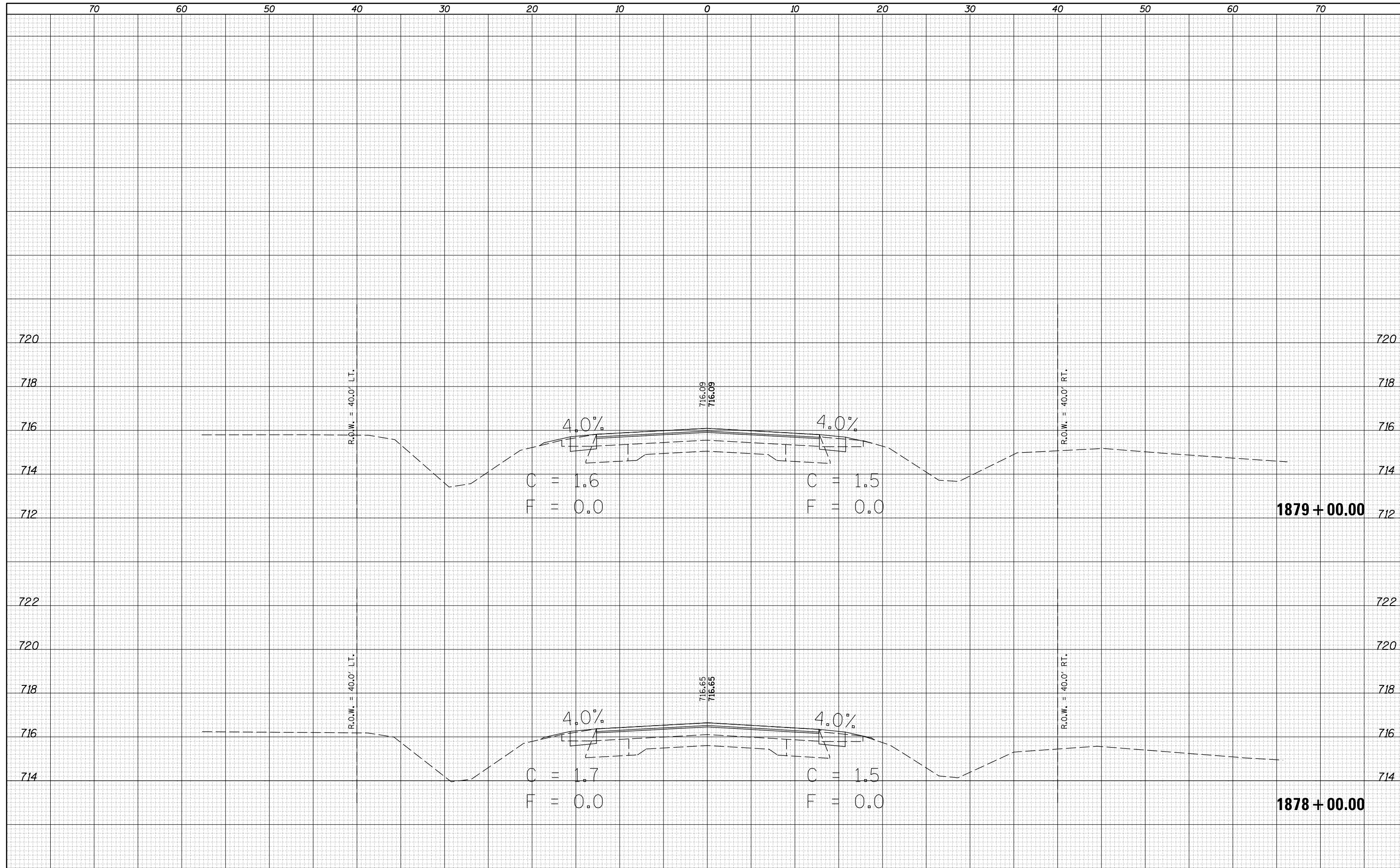
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NOTE BOOK AREAS CHECKED	



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 PLOT DATE = 12/10/2015

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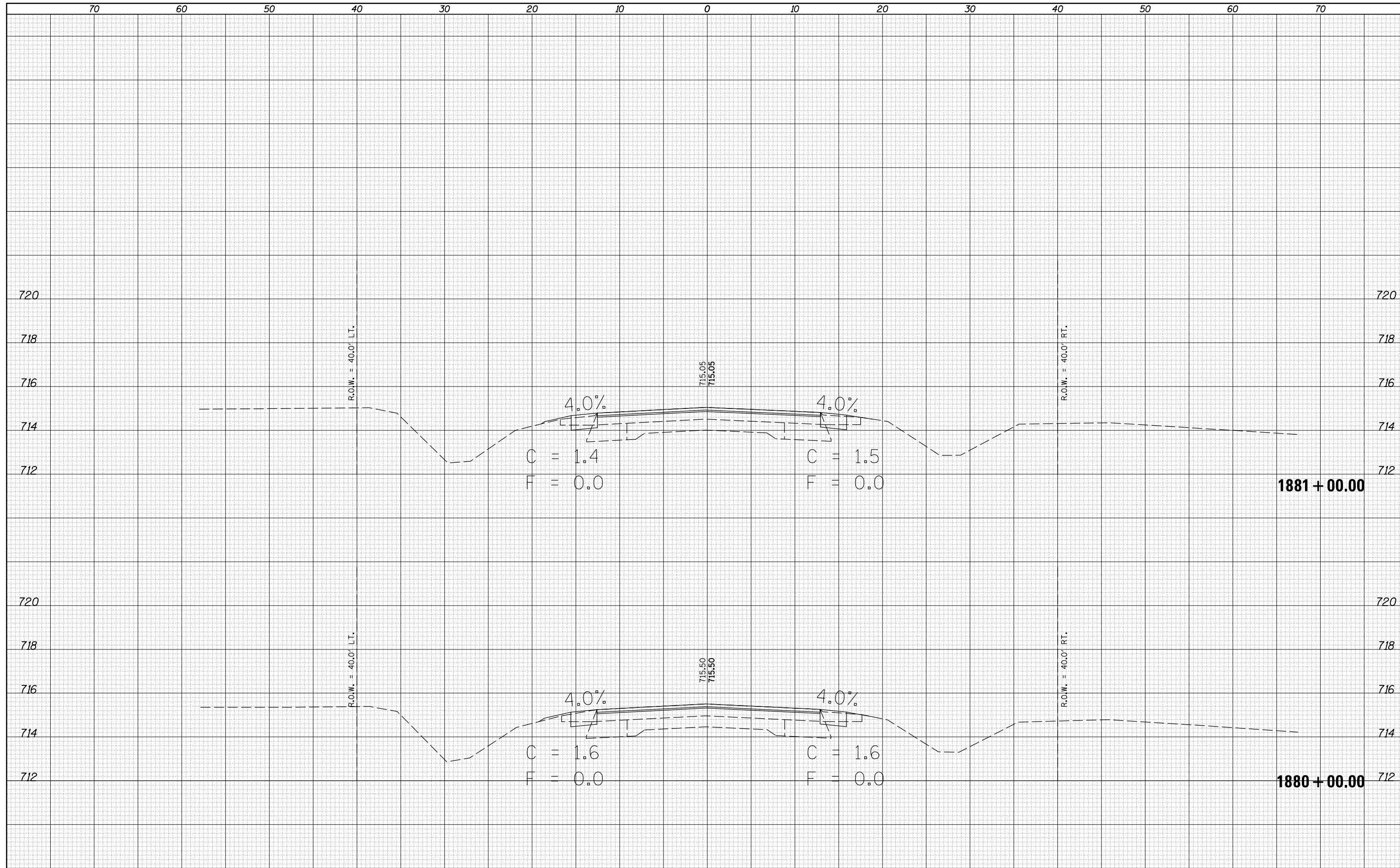
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**  
 SCALE: SHEET 54 OF 77 SHEETS STA. 1878+00.00 TO STA. 1879+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	90
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

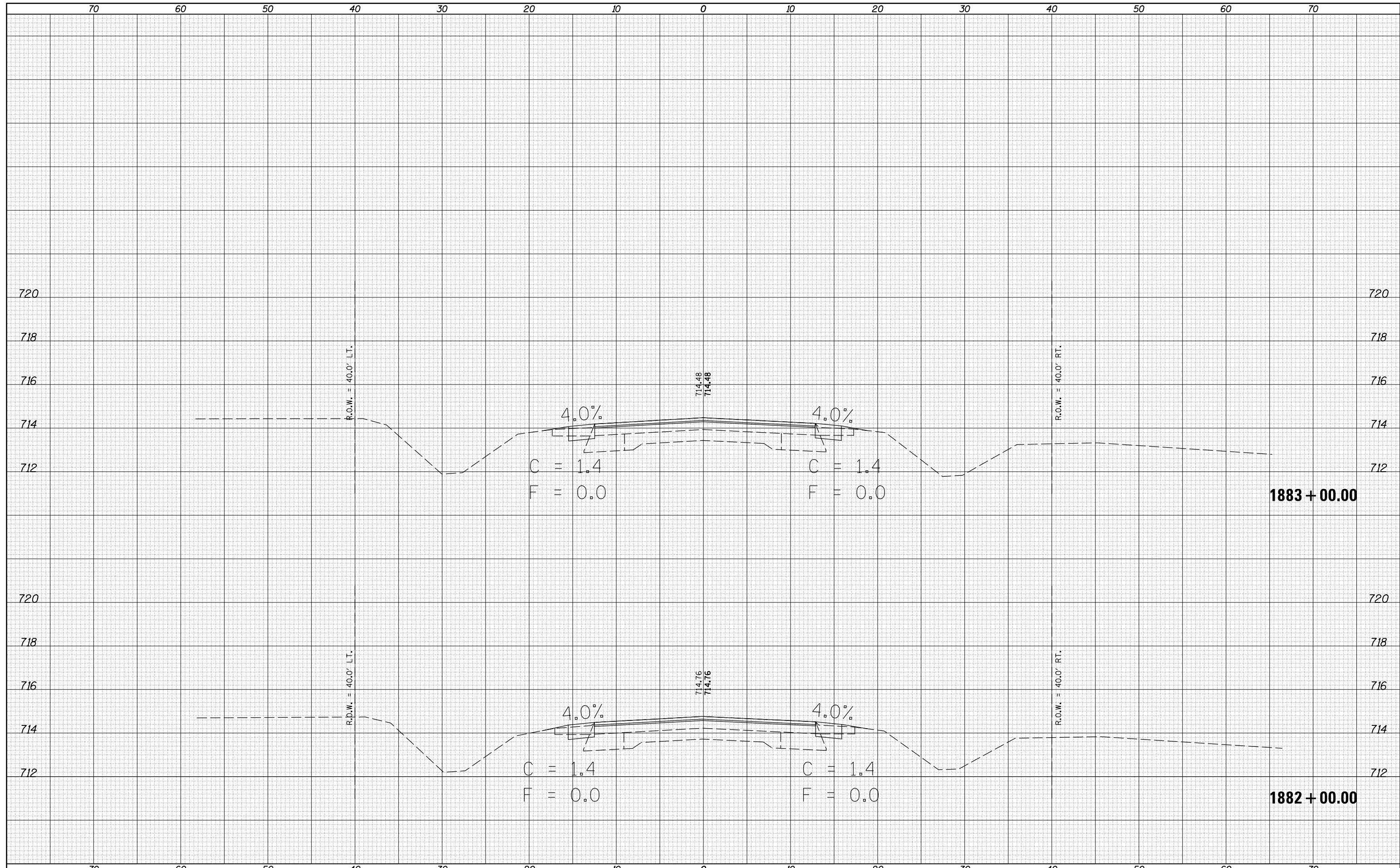
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NOTE BOOK AREAS CHECKED	

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



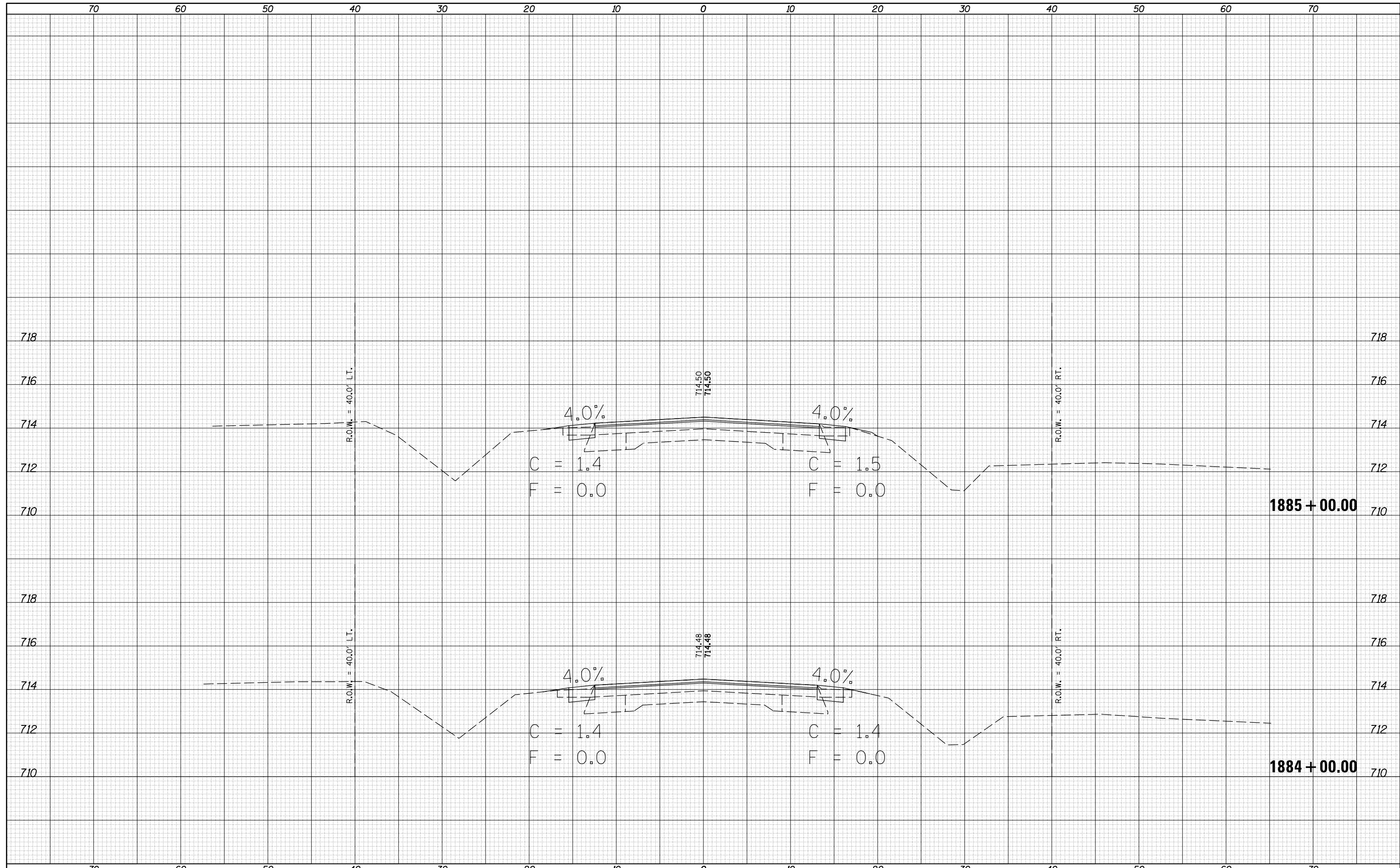
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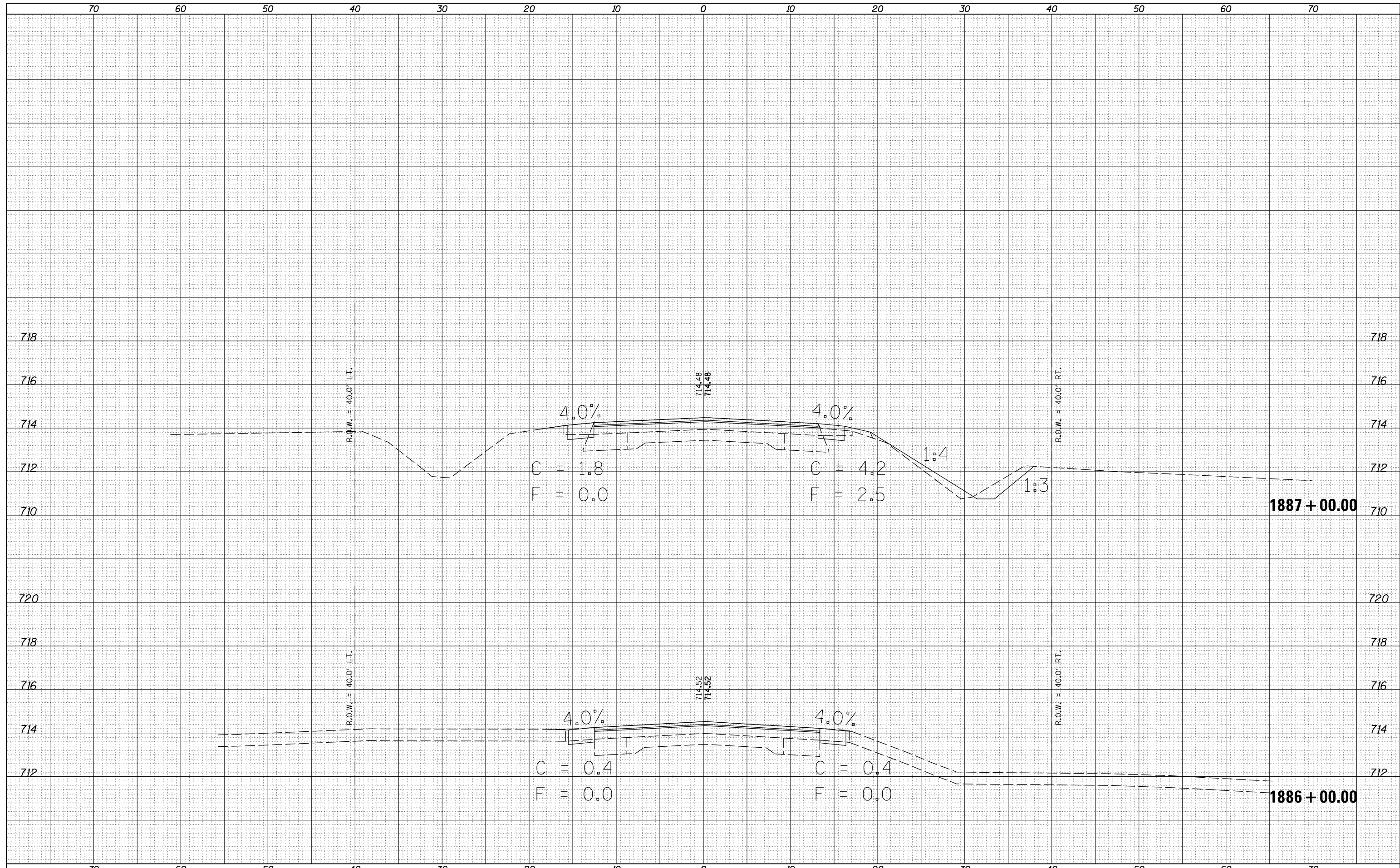
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ORIGINAL SURVEY	
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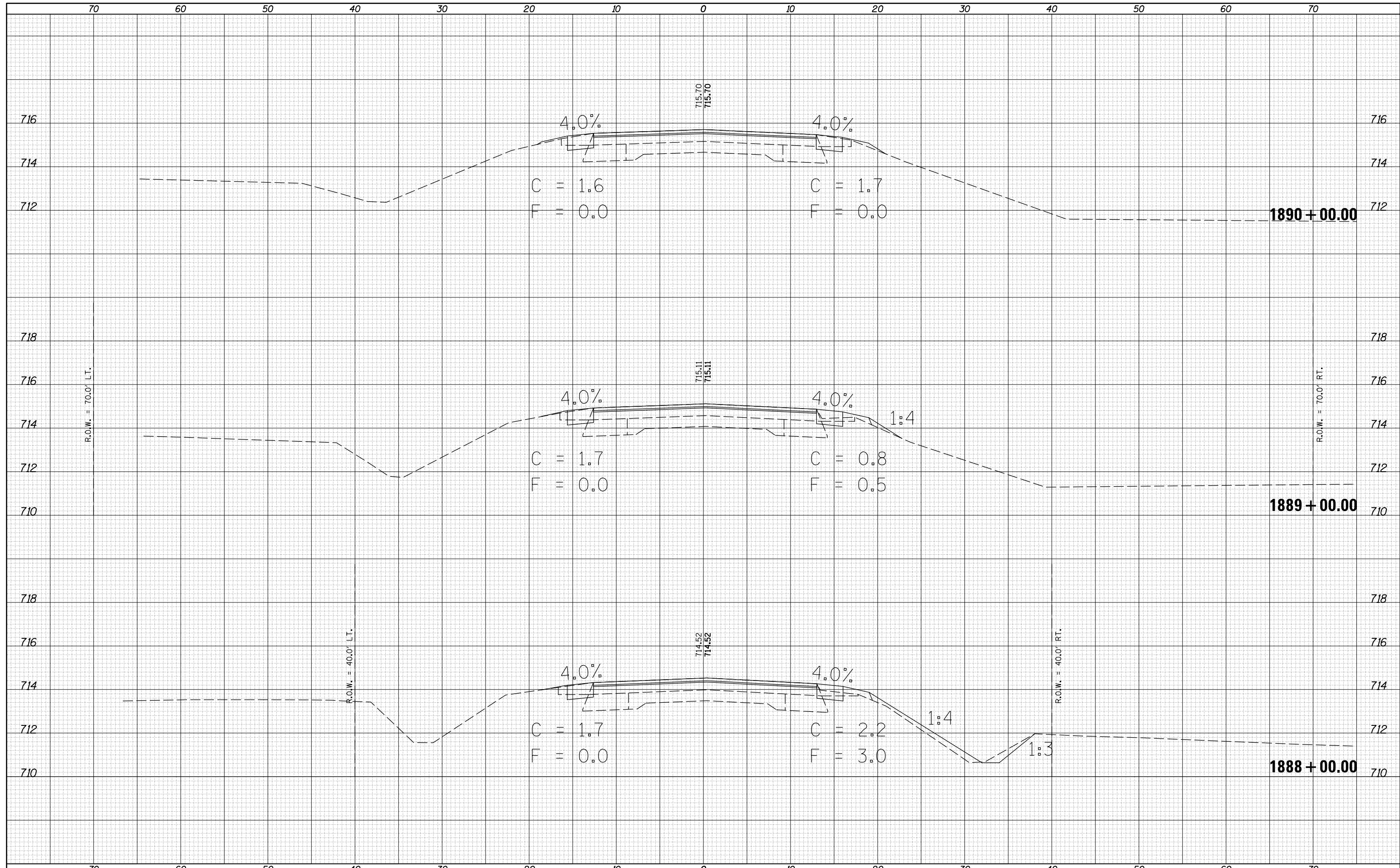
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0570A56\CADD\Drawn\0570A56-sht-XS.dgn		REVISÉ -	REVISÉ -			709	105RS-2	CHAMPAIGN	113	94
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -	REVISÉ -			CONTRACT NO. 70A56		ILLINOIS FED. AID PROJECT		
*MODELNAME*	DATE = 12/10/2015	DATE -	REVISÉ -			SCALE:	SHEET 58 OF 77 SHEETS	STA. 1886+00.00 TO STA. 1887+00.00		

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570A56\CADD\Drawn\0570A56-sht-XS.dgn	DRAWN	REVISÉ -	REVISÉ -					709	105RS-2	CHAMPAIGN	113	95
PLOT SCALE = 10.0000 / in.	CHECKED -	REVISÉ -	REVISÉ -					CONTRACT NO. 70A56				
*MODELNAME*	DATE -	REVISÉ -	REVISÉ -					ILLINOIS FED. AID PROJECT				

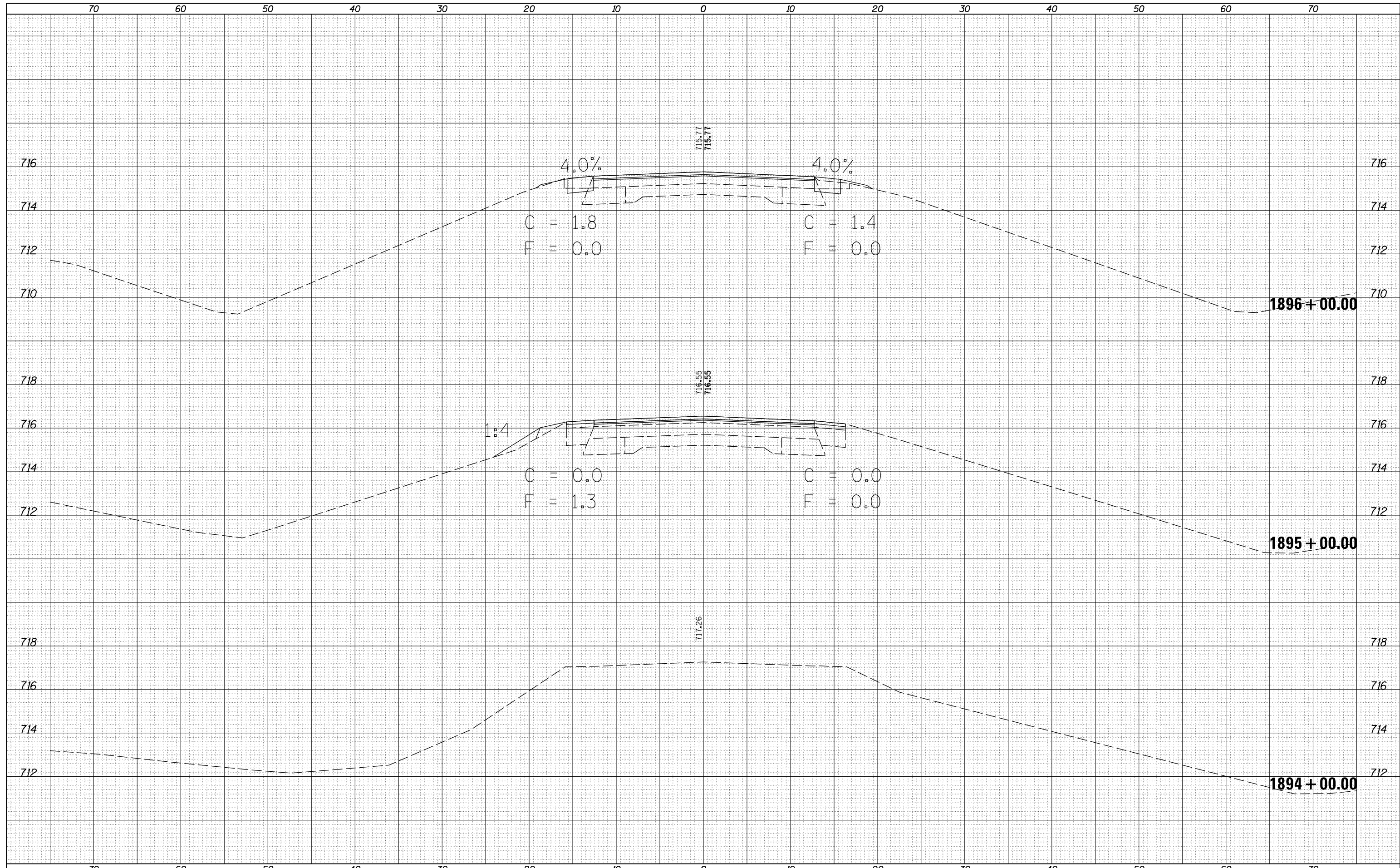
SCALE: SHEET 59 OF 77 SHEETS STA. 1888+00.00 TO STA. 1890+00.00





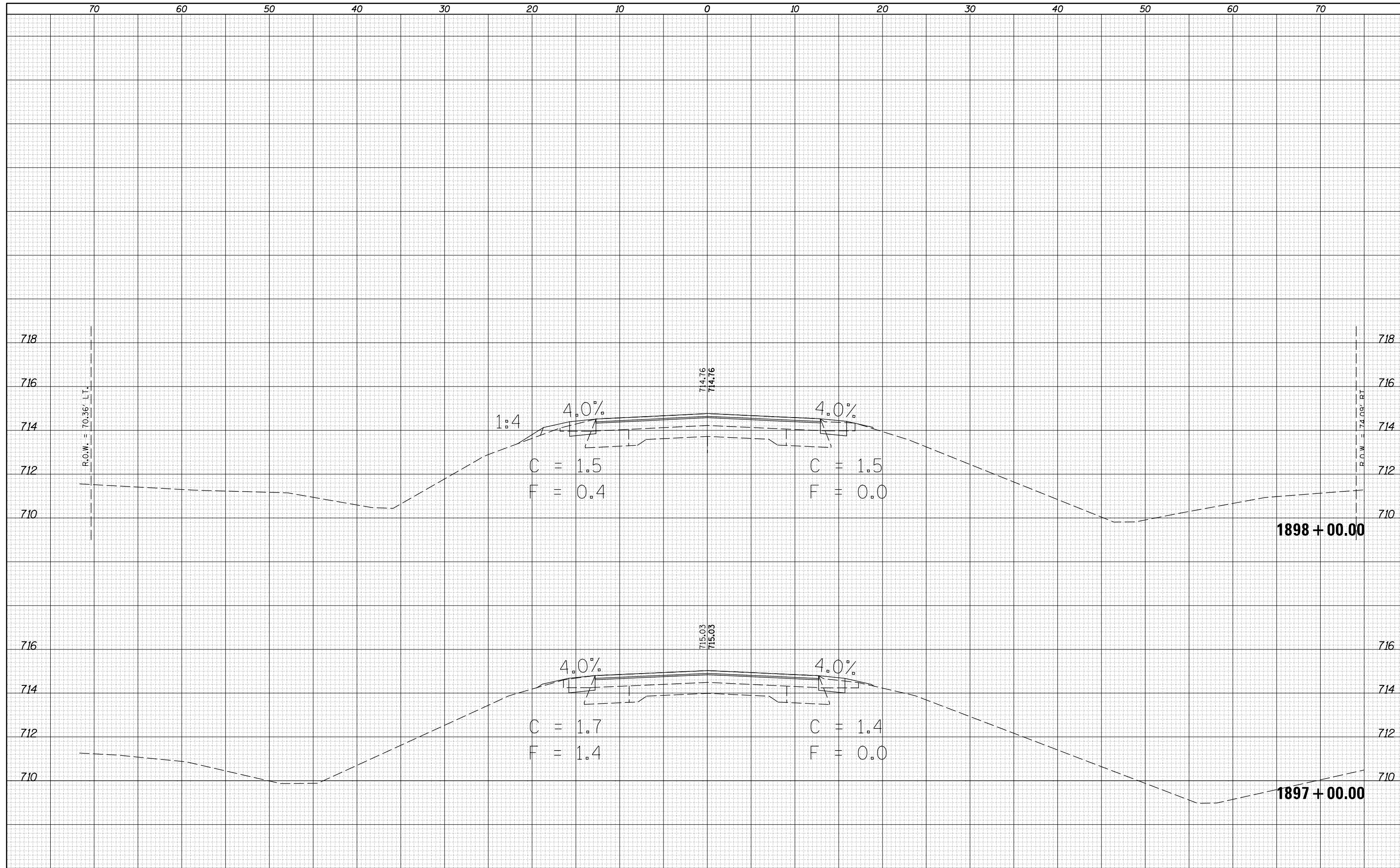
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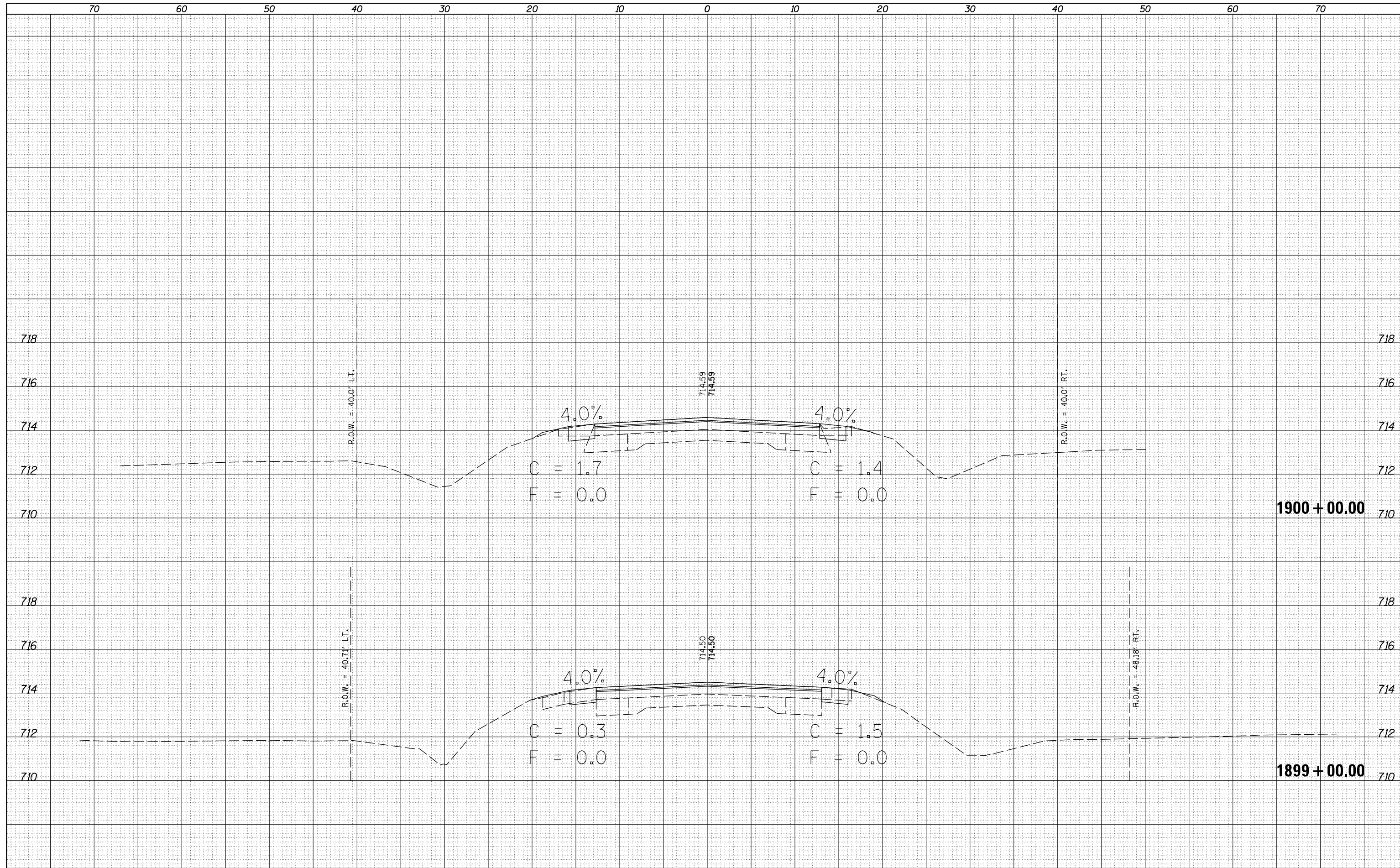
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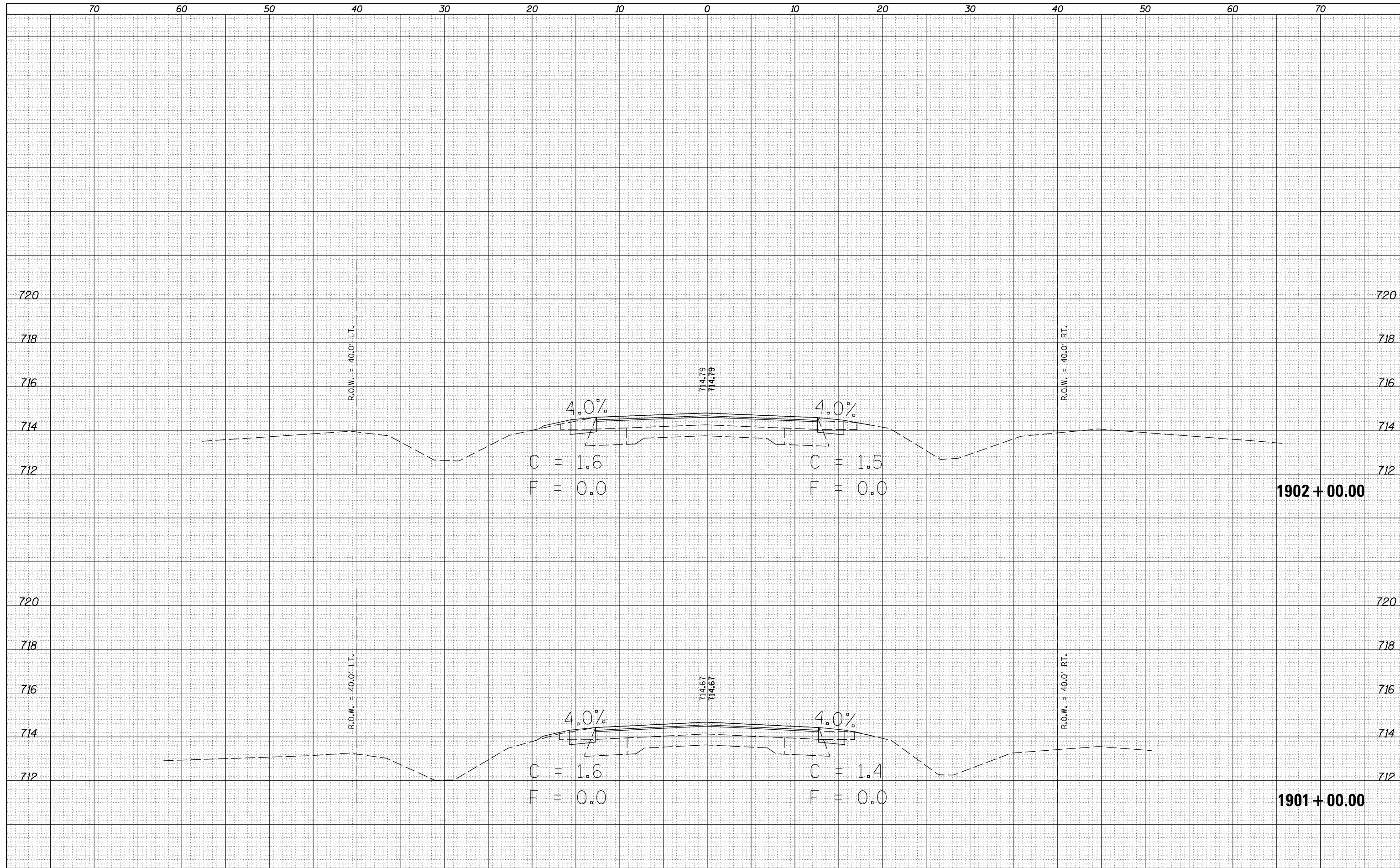
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 DATE - 12/10/2015

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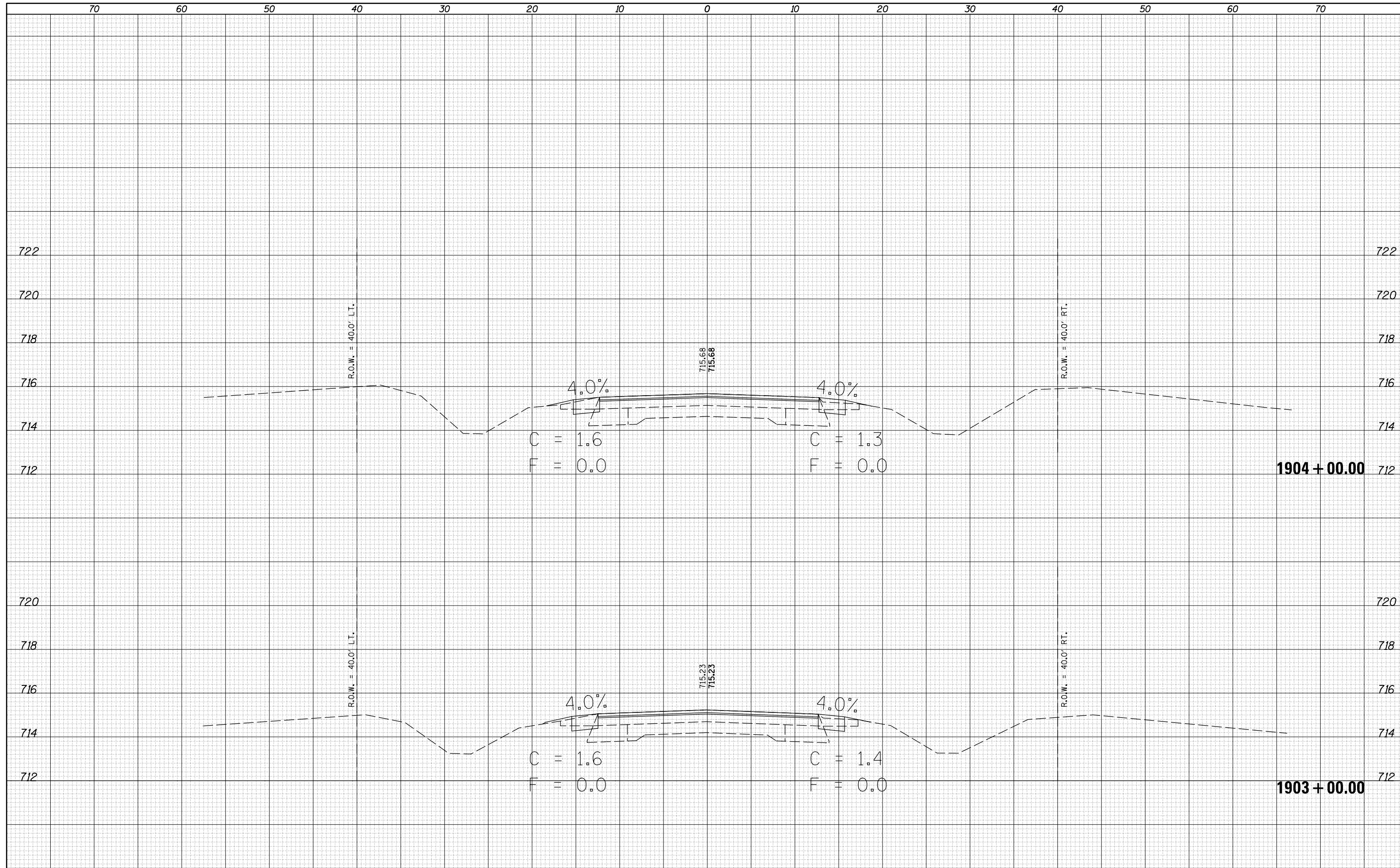
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS US 136  
 SCALE: SHEET 64 OF 77 SHEETS STA. 1901+00.00 TO STA. 1902+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	100
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

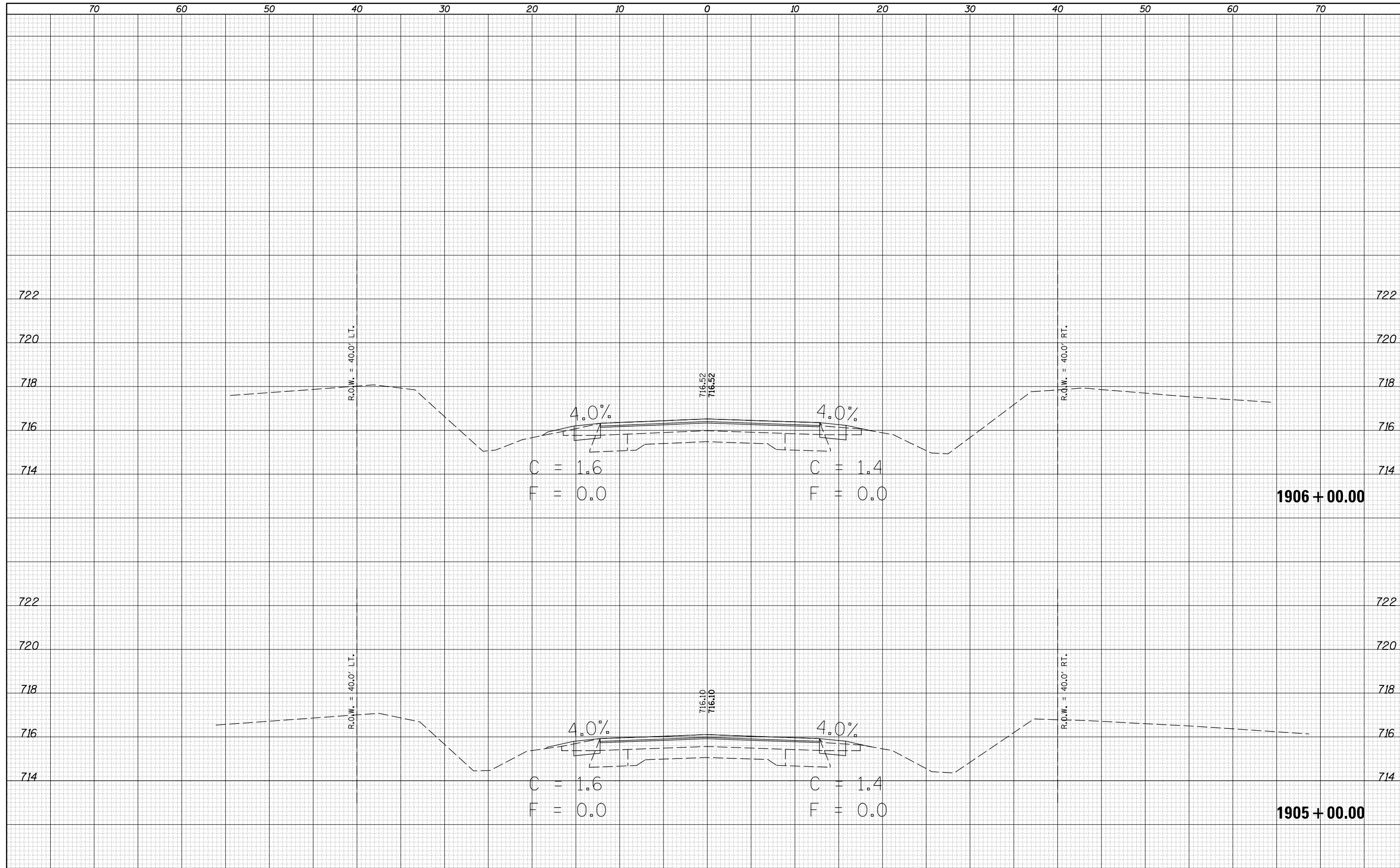
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NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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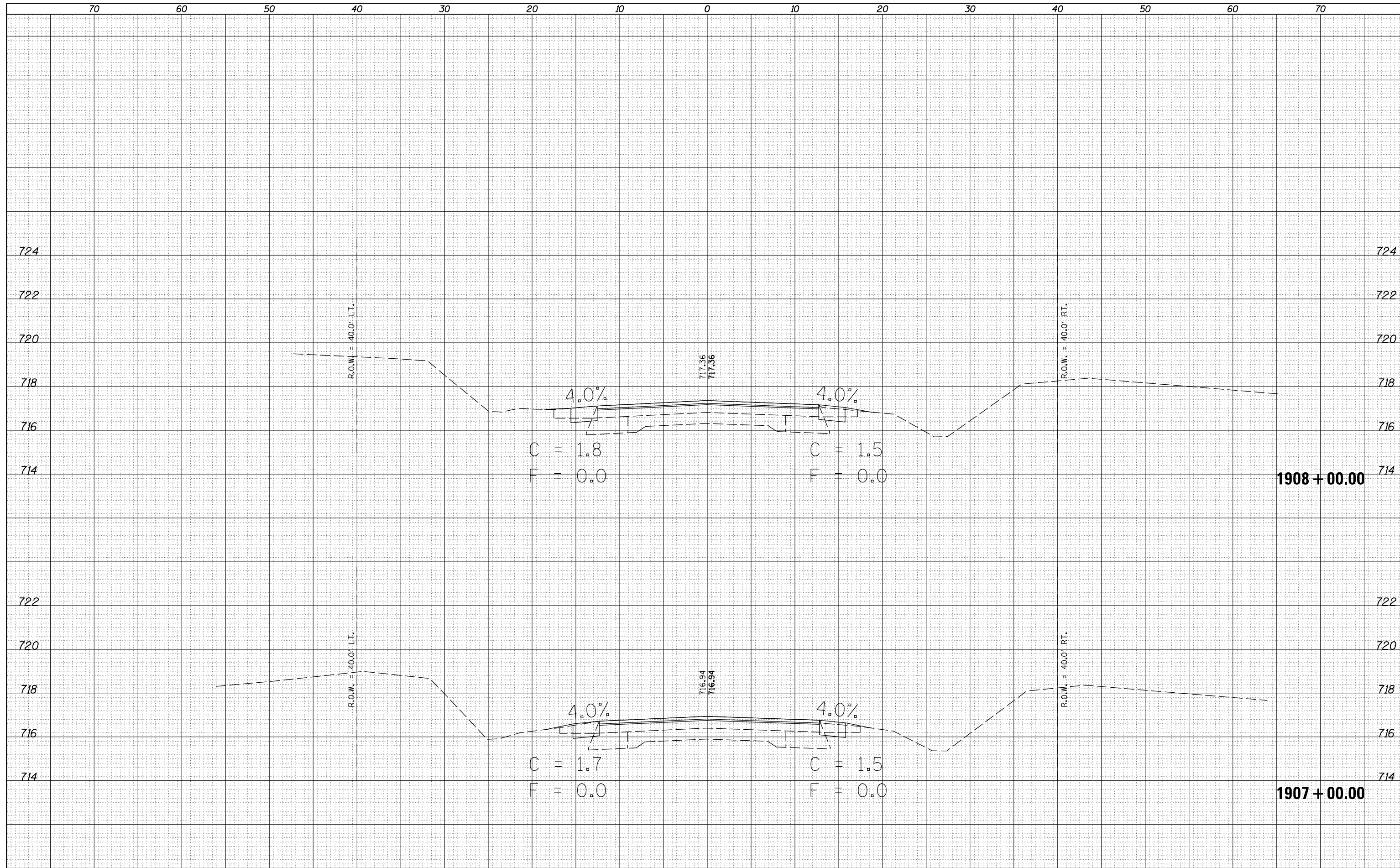
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NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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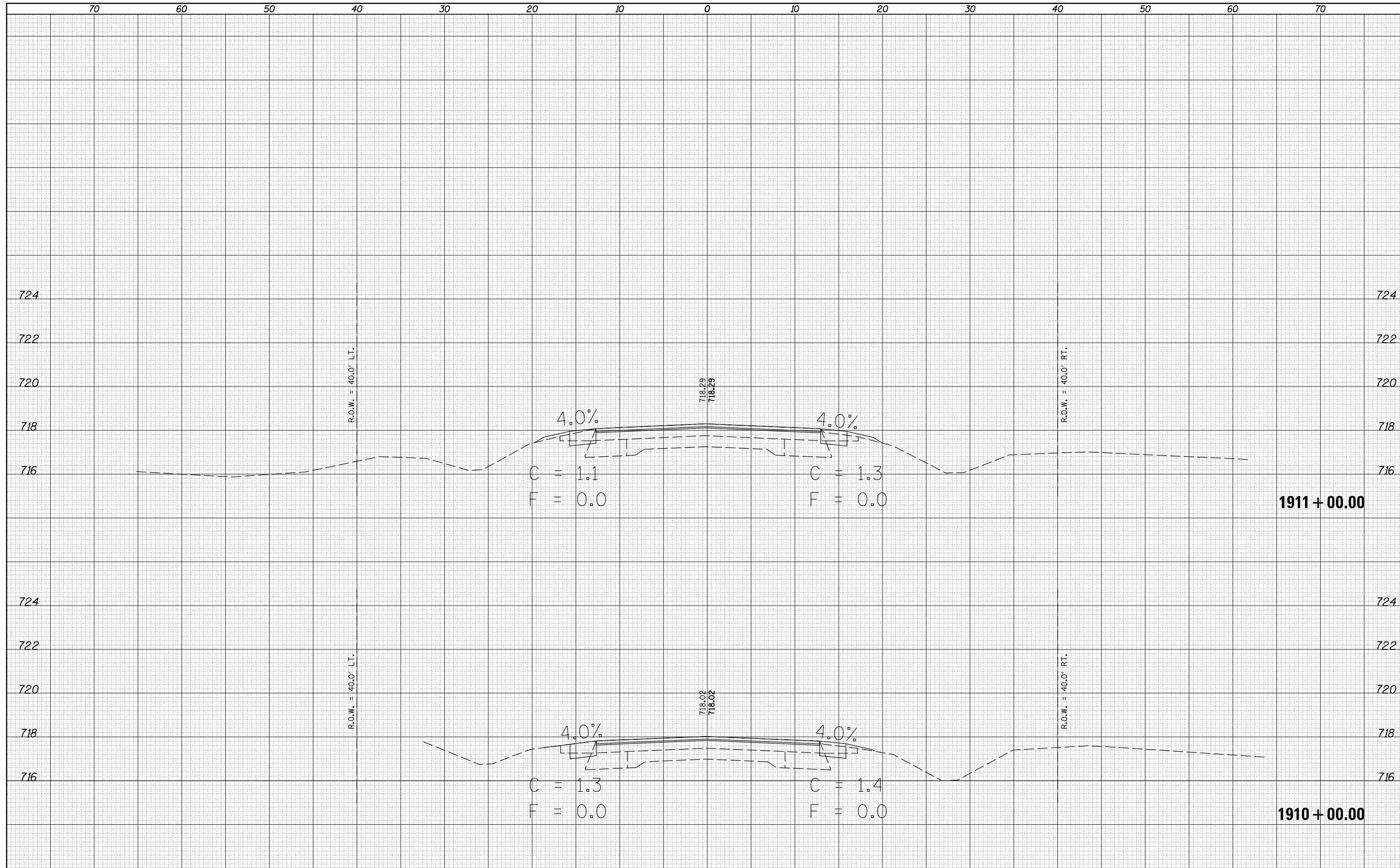






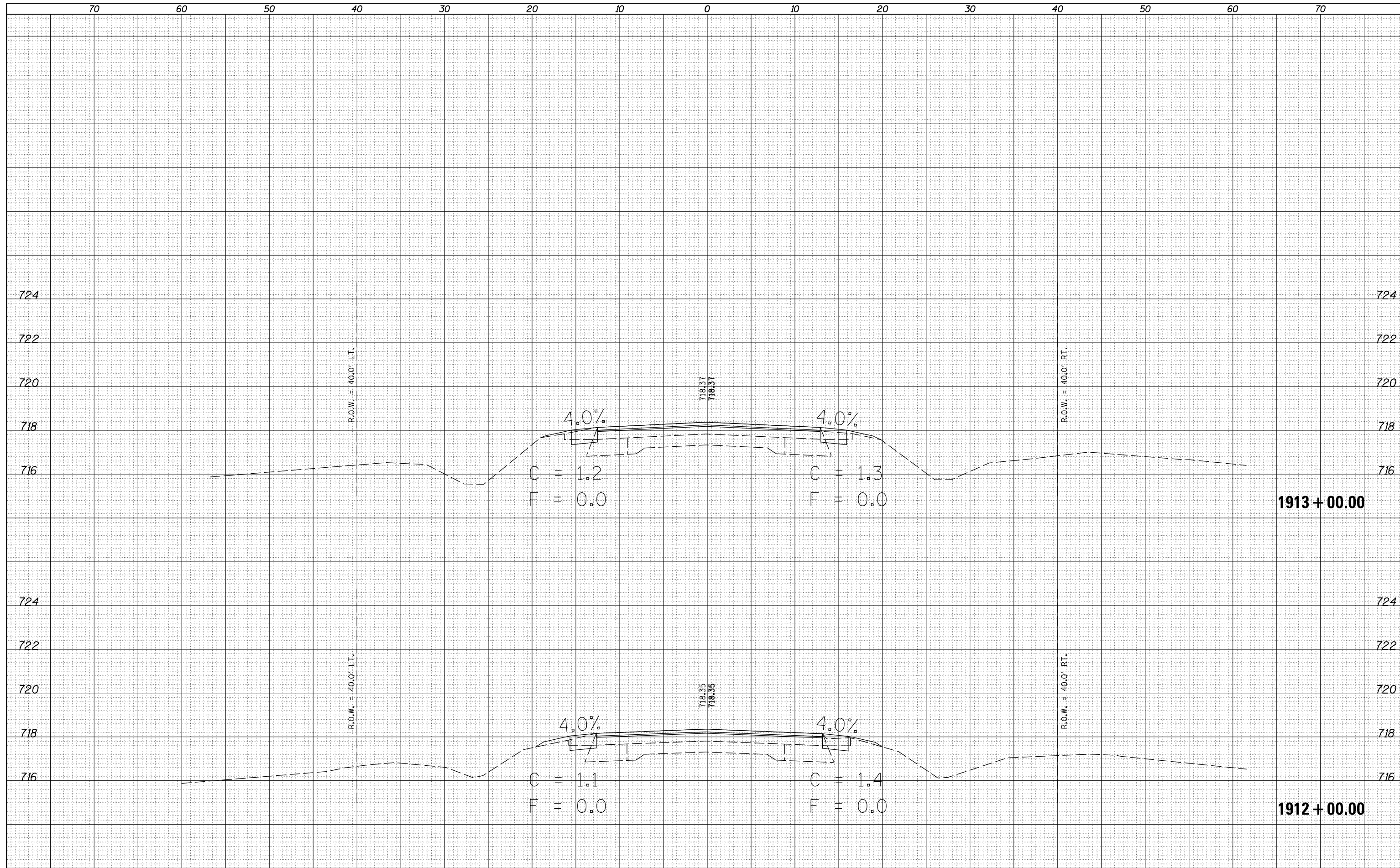
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NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

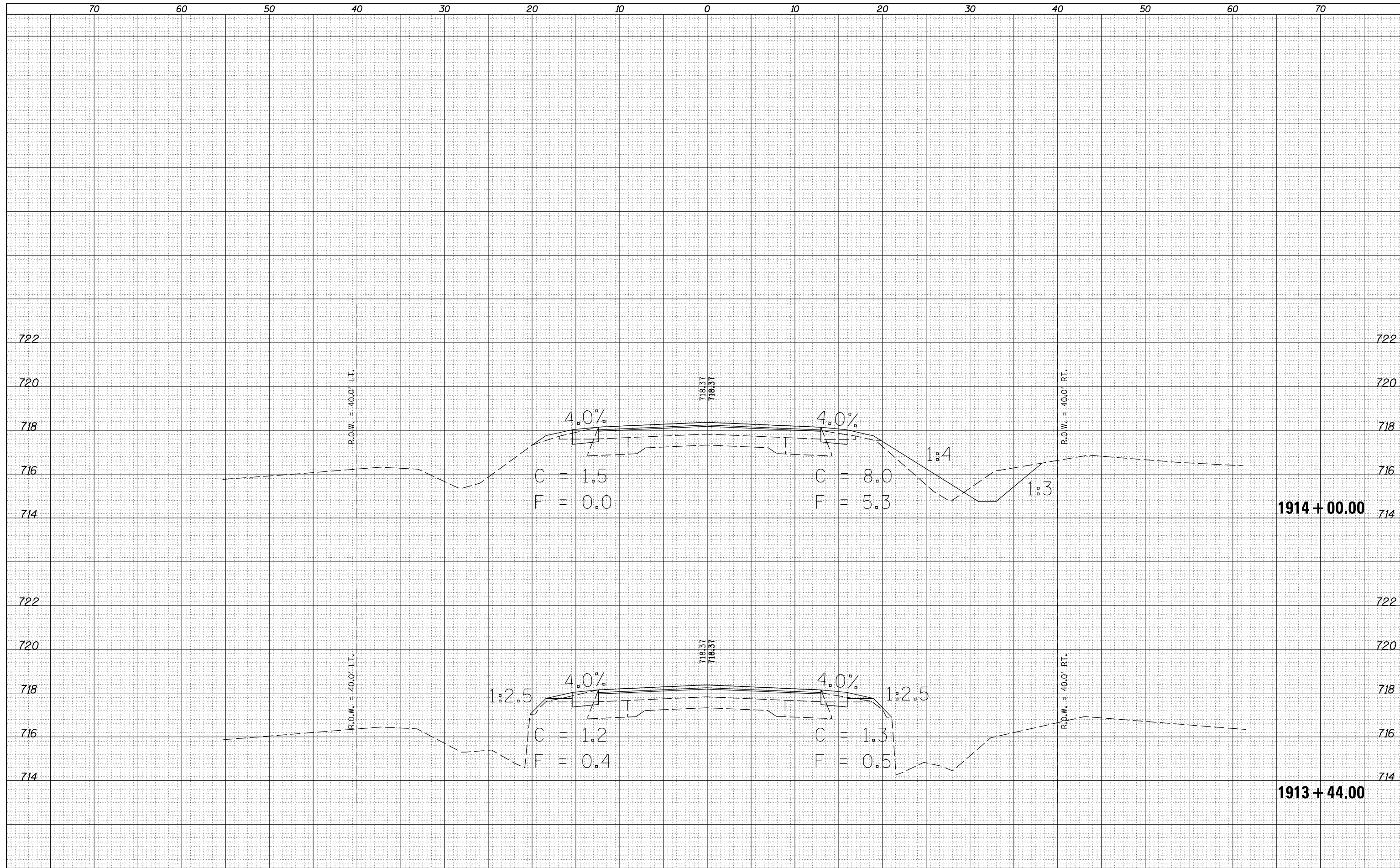
**CROSS SECTIONS US 136**

SCALE: SHEET 70 OF 77 SHEETS STA. 1912+00.00 TO STA. 1913+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	106
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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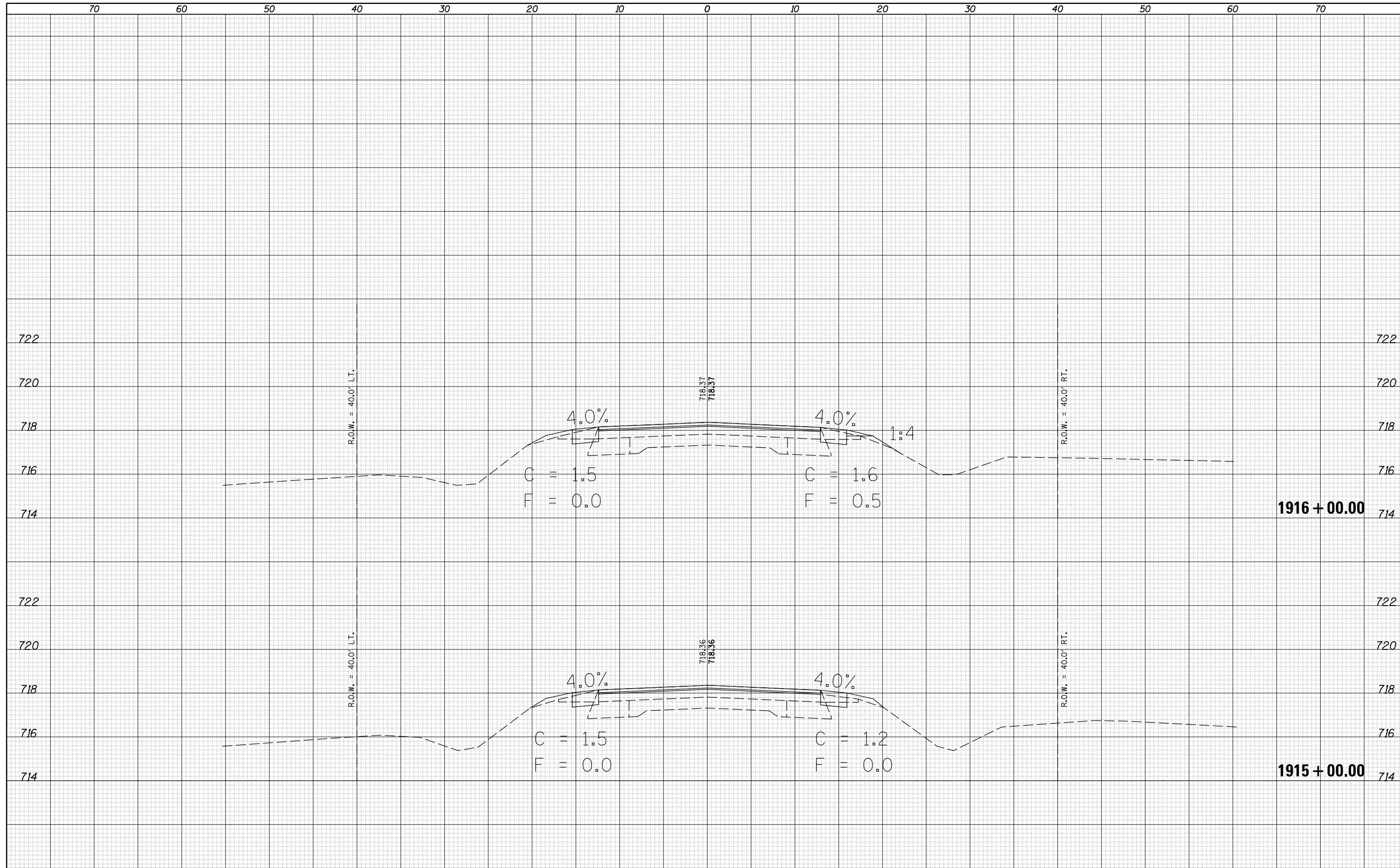
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NOTE BOOK	PLOTTED
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	AREAS CHECKED



FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\0570A56\CD\DRAWING\0570A56-sht-XS.dgn		REVISÉ -	REVISÉ -			709	105RS-2	CHAMPAIGN	113	107
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -	REVISÉ -			CONTRACT NO. 70A56				
*MODELNAME*	DATE -	REVISÉ -	REVISÉ -			SCALE:	SHEET 71 OF 77 SHEETS	STA. 1913+44.00 TO STA. 1914+00.00	ILLINOIS FED. AID PROJECT	

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

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ORIGINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	

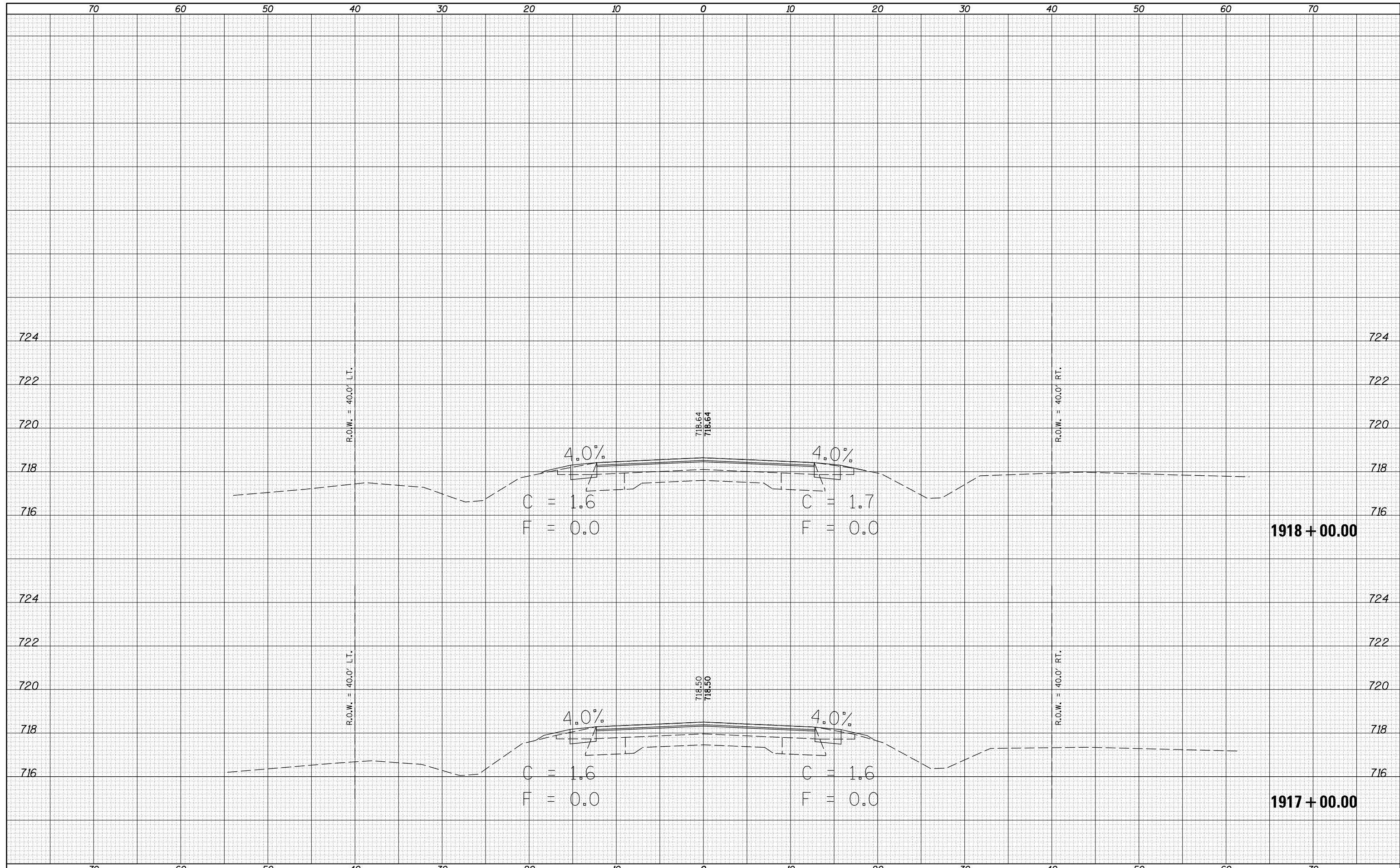


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pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0570A56\CADD\Drawn\0570A56-sht-XS.dgn	DRAWN	REVISÉ -	REVISÉ -			709	105RS-2	CHAMPAIGN	113	108
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -	REVISÉ -			CONTRACT NO. 70A56				
*MODELNAME*	DATE -	REVISÉ -	REVISÉ -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 72 OF 77 SHEETS STA. 1915+00.00 TO STA. 1916+00.00

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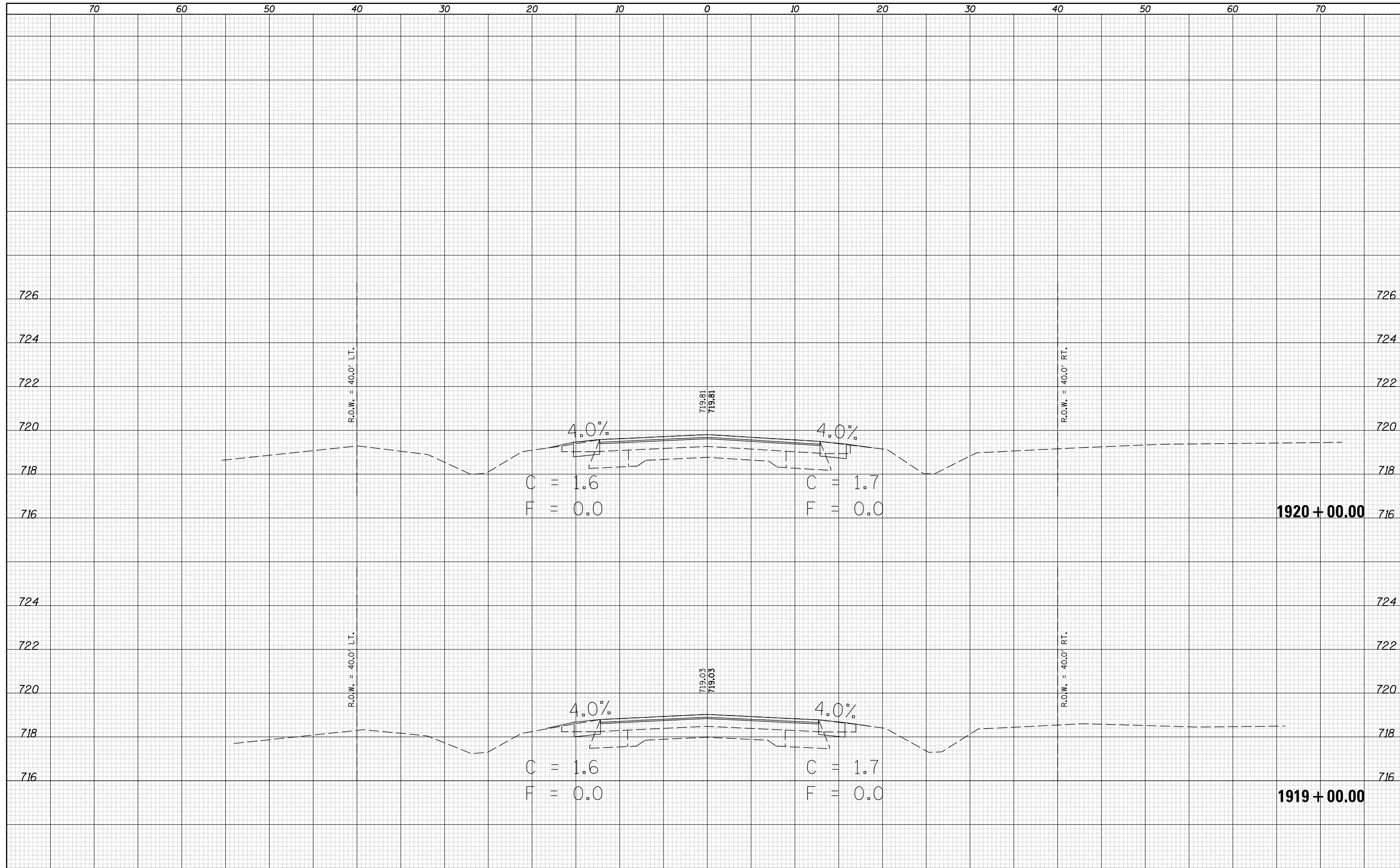
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ORIGINAL SURVEY NO.	
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NOTE BOOK NO.	
TEMPLATE AREAS CHECKED	



FILE NAME =	USER NAME = bergena_j	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 136</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570A56\CADD\Drawn\0570A56-sht-XS.dgn	REVISÉ -	REVISÉ -	709			105RS-2	CHAMPAIGN	113	109	
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -	CONTRACT NO. 70A56							
*MODELNAME*	PLOT DATE = 12/10/2015	DATE -	REVISÉ -	SCALE:	SHEET 73 OF 77 SHEETS	STA. 1917+00.00 TO STA. 1918+00.00		ILLINOIS FED. AID PROJECT		

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

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ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
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NOTE BOOK AREAS CHECKED	



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USER NAME = bergena.j  
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 PLOT SCALE = 10.0000' / in.  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

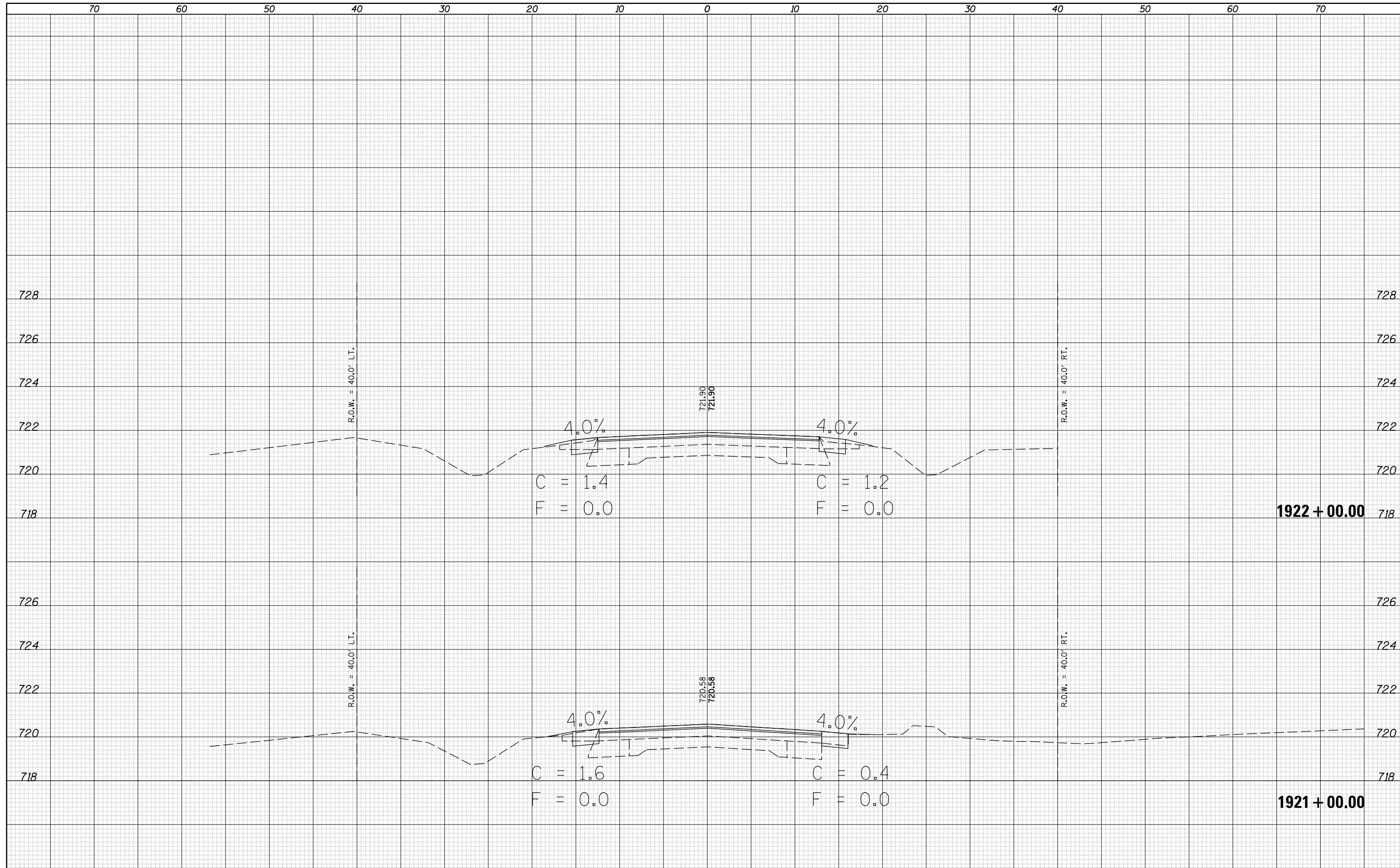
**CROSS SECTIONS US 136**

SCALE: SHEET 74 OF 77 SHEETS STA. 1919+00.00 TO STA. 1920+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	110
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	

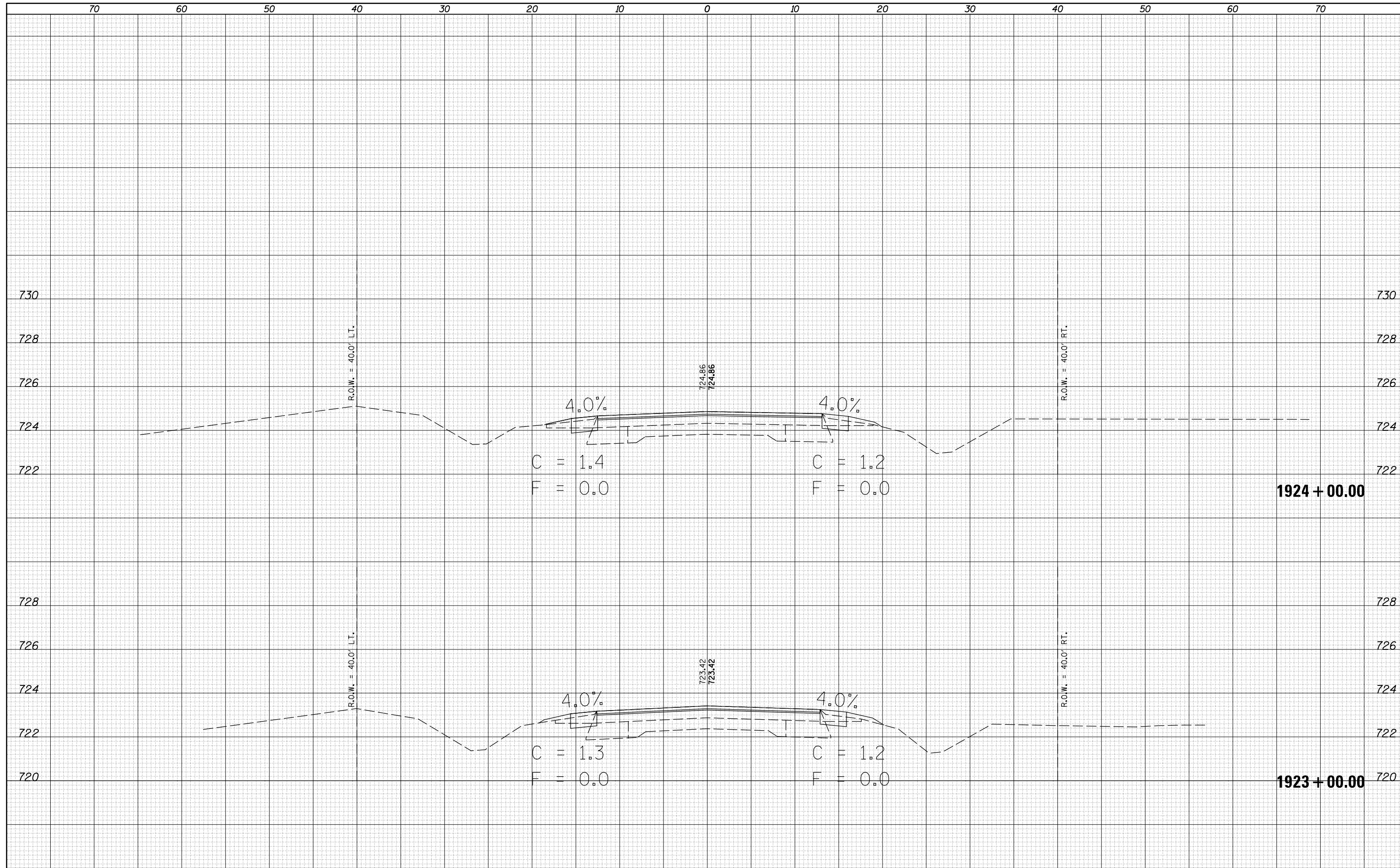
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 DATE -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS US 136**

SCALE: SHEET 77 OF 77 SHEETS STA. 1925+00.00 TO STA. 1925+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105RS-2	CHAMPAIGN	113	113
CONTRACT NO. 70A56			ILLINOIS FED. AID PROJECT	