

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

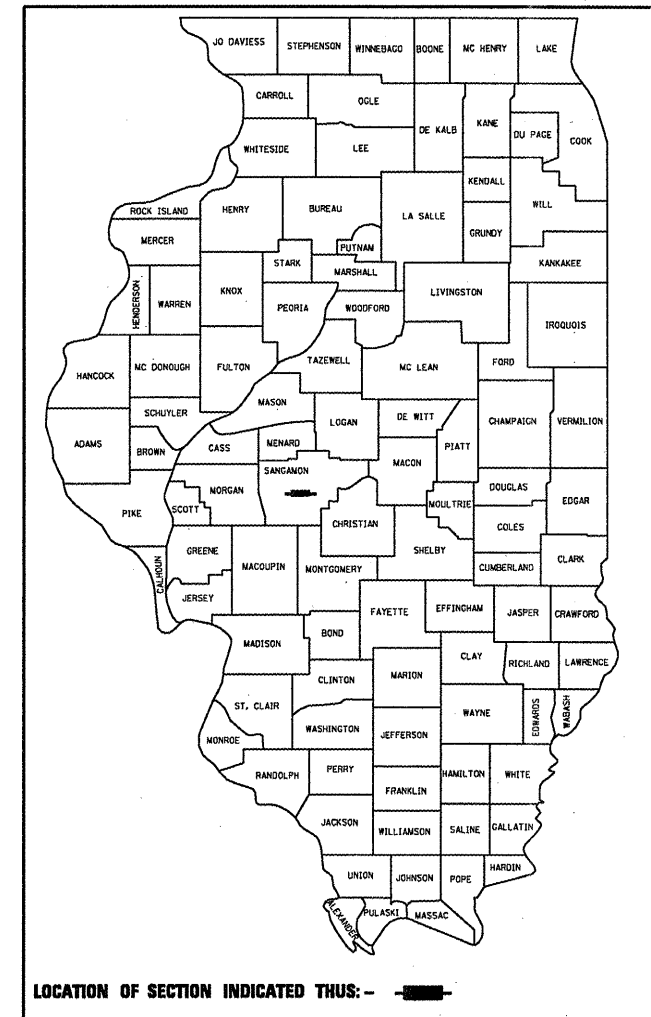
PROPOSED
HIGHWAY PLANS

FAI 72 (I-72)
SECTION D-6 CABLE/GUARDRAIL 2010
SANGAMON COUNTY
PROJECT HSIP-072-1 (079) 093
C-96-071-09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 72C77		

- - D6 CABLE/GUARDRAIL 2010

D-96-071-09

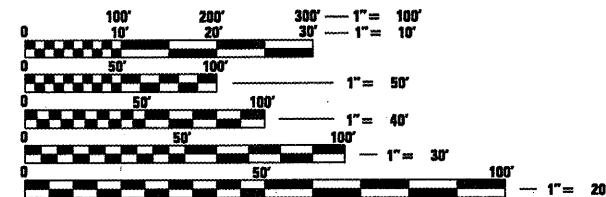


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HIGHWAY STANDARDS

- 000001-05
- 701101-02
- 701106-02
- 701400-03
- 701406-05
- 701411-05
- 701901-01
- 701456

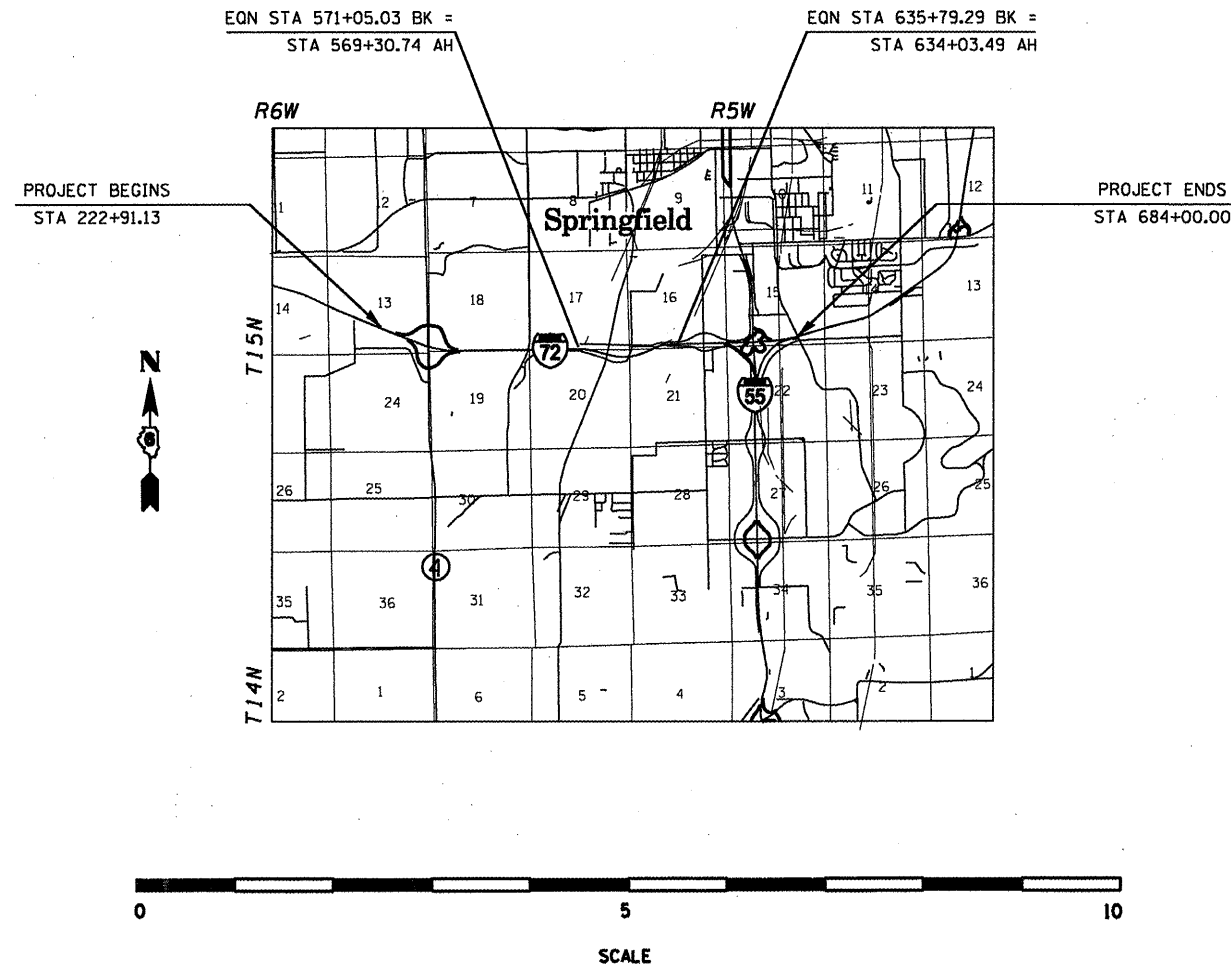


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-992-0123
 OR 811

PROJECT ENGINEER: SAL MADONIA (217) 782-4761
SQUAD LEADER: BRIAN LANINGHAM (217) 524-0472

CONTRACT NO. 72C77



GROSS LENGTH OF PROJECT = 22,400.1 FEET = 4.24 MILES
 NET LENGTH OF PROJECT = 22,050 FEET = 4.18 MILES

Rev,

ADT - 32,800 (2006)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED May 6, 2009
Kevin L. Dickson
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26, 2009
Charles J. Ingersoll
 ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2009
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
2. THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTIONS PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
4. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
5. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
6. UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT.
7. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
8. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN DRIVING THE CABLE POSTS SO AS NOT TO DAMAGE OR DISTORT THE DRIVEN END. IF THE BOX SHAPED SECTION IS USED A METAL STRAP SHALL BE WELDED ACROSS THE OPENING OF THE DRIVEN END TO ENHANCE STRENGTH. ALL CABLE POSTS THAT ENCOUNTER HIGH DRIVING FORCES SHALL BE PULLED AND EXAMINED FOR END DISTORTION AT THE DISCRETION OF THE ENGINEER. ALL DAMAGED POSTS SHALL BE REPLACED WITH NEW POSTS. ALL UNDAMAGED POSTS MAY BE REUSED. HAMMER ENERGY SHALL BE REGULATED DURING THE DRIVING TO ENSURE THAT FUTURE MAINTENANCE ACTIVITIES CAN BE CARRIED OUT WITH MINIMAL DISRUPTION TO TRAFFIC.
9. ONCE THE CONTRACTOR HAS STARTED A RUN OF "HIGH TENSION CABLE BARRIER GAUARDRAIL" IT MUST BE COMPLETED BEFORE THE WINTER SHUTDOWN PERIOD.
10. THE EXISTING TYPE 1 TERMINAL HEAD LOCATED ON THE SOUTHEAST RAMP OF BUSINESS LOOP 55 / I-72 SHALL REMAIN THE PROPERTY OF THE DEPARTMENT. THE CONTRACTOR SHALL CONTACT THE OPERATION FIELD ENGINEER TWO WEEKS PRIOR TO REMOVAL AND DELIVERY.
11. THE "CHANGEABLE MESSAGE BOARD" IN THE TRAFFIC CONTROL AND PROTECTION STANDARD 701400, ARE INCLUDED IN THE COST OF THE STANDARD. HOWEVER, THERE ARE FOUR ADDITIONAL "CHANGEABLE MESSAGE BOARDS" THAT WILL BE PAID FOR, THE LOCATIONS ARE AS FOLLOWS:
 EASTBOUND I-72 OUTSIDE THE CONSTRUCTION LIMITS.
 WESTBOUND I-72 OUTSIDE THE CONSTRUCTION LIMITS.
 NORTHBOUND I-55 OUTSIDE THE CONSTRUCTION LIMITS
 SOUTHBOUND BUSINESS LOOP 55 (6TH ST) OUTSIDE THE CONSTRUCTION LIMITS
 THE FINAL LOCATIONS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

COMMITMENTS:
 THERE ARE NO COMMITMENTS ON THIS PROJECT.

MIX REQUIREMENTS TABLE	
The following mixture requirements are applicable for this project.	
MIXTURE USE (S):	HMA Shoulders 4"
AC/PG:	PG 58-22
RAP%: (MAX)	
DESIGN AIR VOIDS:	2.0% @ N Design = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	BAM
FRICTION AGGREGATE:	HMA Shoulders 4"

EXAMINED	<u>April 30</u>	20 <u>09</u>
<i>Sam J. Haas</i>		
PROGRAM IMPLEMENTATION ENGINEER		
EXAMINED	<u>May 1</u>	20 <u>09</u>
<i>DRML</i>		
PROGRAM DEVELOPMENT ENGINEER		
DISTRICT SIX		
EXAMINED	<u>April 28</u>	20 <u>09</u>
<i>Sam J. Haas</i>		
OPERATIONS ENGINEER		

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK			URBAN	I - 72 90% FED / 10% STATE
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SFTY-4A
20200100	EARTH EXCAVATION	CU YD	808.0	808.0
20400800	FURNISHED EXCAVATION	CU YD	4,386.0	4,386.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	675.0	675.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	675.0	675.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	675.0	675.0
25000200	SEEDING, CLASS 2	ACRE	7.6	7.6
25100125	MULCH, METHOD 3	ACRE	15.2	15.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	760.0	760.0
28000500	INLET AND PIPE PROTECTION	EACH	16.0	16.0
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	301.0	301.0
48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	14,346.0	14,346.0
54002020	EXPANSION BOLTS 3/4 INCH	EACH	8.0	8.0
54202965	PIPE CULVERTS, TYPE 4 RCCP 30"	FOOT	8.0	8.0
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1.0	1.0
54248515	CONCRETE COLLAR	EACH	1.0	1.0
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	2,150.0	2,150.0
70100825	TRAFFIC CONTROL AND PROTECTION, STANARD 701456	L SUM	1	1

Rev.

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -
c:\pwork\pwork\DOT\LAUGHLINRL\0128581\72C77-shr-500.dgn		DRAWN - BKL	REVISED -
PLOT SCALE = 100.0000 ' / IN.		CHECKED - JPM	REVISED -
PLOT DATE = May-07-2009 09:11:31AM		DATE - 04/10/09	REVISED -

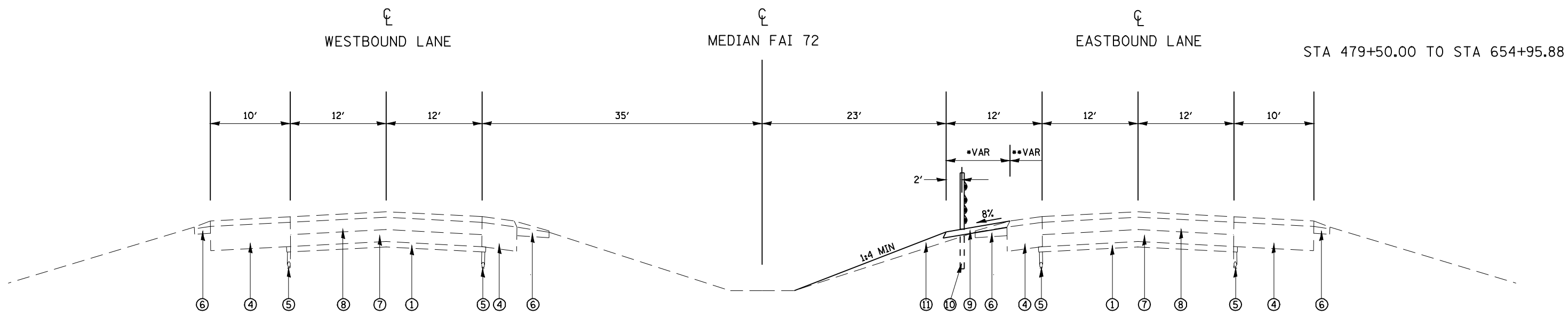
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N.A.	SHEET NO.	OF SHEETS	STA. TO STA.

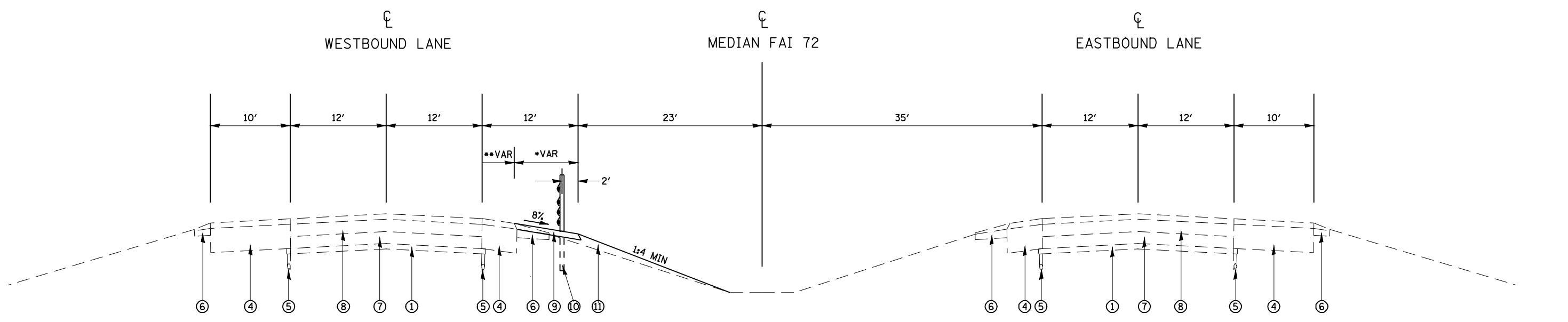
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	3
CONTRACT NO. 72C77			ILLINOIS FED. AID PROJECT	

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

LOCATION OF WORK			URBAN	I - 72 90% FED / 10% STATE
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SFTY-4A
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1.0	1.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2.0	2.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2.0	2.0
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10.0	10.0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12.0	12.0
78200405	GUARDRAIL MARKERS	EACH	27.0	27.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2.0	2.0
X0325231	CABLE GUARD MARKER	EACH	480.0	480.0
X0325589	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	18,618.0	18,618.0
X0325590	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	16.0	16.0
X0325606	HIGH TENSION CABLE MEDIAN BARRIER DEMONSTRATION	EACH	2.0	2.0
X6013820	PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL	EACH	19.0	19.0
X6330115	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL, REMOVE AND RELOCATE	EACH	1.0	1.0
XX003301	GEOTEXTILE FILTER FABRIC	SQ YD	301.0	301.0



RT. STA 479+50.00 TO RT. STA 545+63.92
 RT. STA 546+69.10 TO RT. STA 556+00.00
 RT. STA 594+50.00 TO RT. STA 601+15.00
 RT. STA 609+55.00 TO RT. STA 619+50.00
 RT. STA 646+50.00 TO RT. STA 654+95.88

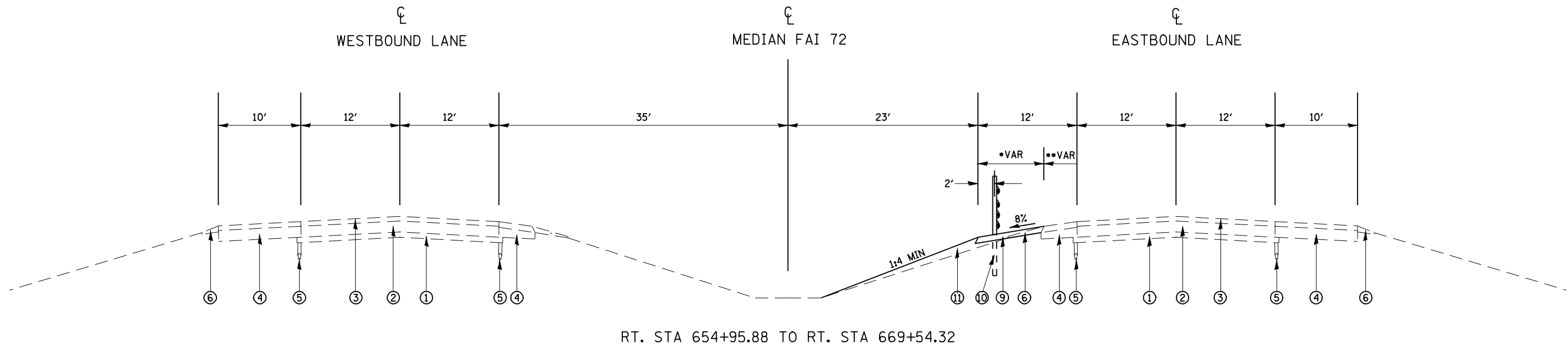


LT. STA 554+50.00 TO LT. STA 598+00.00
 LT. STA 618+50.00 TO LT. STA 639+88.00
 LT. STA 641+02.00 TO LT. STA 649+50.00

LEGEND

- | | |
|--|---|
| ① EX AGG SUBBASE 4" | ⑦ EX PCC BASE COURSE 9" |
| ② EX CRPCC PAVEMENT (7" WBL, 8" EBL) | ⑧ EX HMA PAVEMENT 9 1/4" |
| ③ EX HMA PAVEMENT 3 1/4" | ⑨ PR HMA SHOULDER 4" (MOW STRIP) |
| ④ EX HMA SHOULDER (VARIABLE THICKNESS) | ⑩ PR HIGH TENSION CABLE BARRIER |
| ⑤ EX PIPE UNDERDRAIN | ⑪ FURNISHED EXCAVATION (SLOPE VARIES TO MATCH EXISTING) |
| ⑥ EX AGG WEDGE | |

STATION	TO	STATION	**VAR		*VAR	TOTAL WIDTH (FEET)
			EX SHOULDER ** WIDTH (FEET)	MOW STRIP * WIDTH (FEET)		
RT. STA. 479+50.	TO	RT. STA. 545+63.92	5.8	6.2	12	
RT. STA. 546+69.1	TO	RT. STA. 556+00.	5.8	6.2	12	
RT. STA. 594+50.	TO	RT. STA. 601+15.	4.0	8.0	12	
RT. STA. 609+55.	TO	RT. STA. 619+50.	5.8	6.2	12	
RT. STA. 646+50.	TO	RT. STA. 665+00	4.0	8.0	12	
LT. STA. 554+50.	TO	LT. STA. 598+00.	4.0	8.0	12	
LT. STA. 618+50.	TO	LT. STA. 639+88.	4.5	7.5	12	
LT. STA. 641+02.	TO	LT. STA. 649+50	4.5	7.5	12	



LEGEND

<p>① EX AGG SUBBASE 4"</p> <p>② EX CRPCC PAVEMENT (7" WBL, 8" EBL)</p> <p>③ EX HMA PAVEMENT 3 1/4"</p> <p>④ EX HMA SHOULDER (VARIABLE THICKNESS)</p> <p>⑤ EX PIPE UNDERDRAIN</p> <p>⑥ EX AGG WEDGE</p>	<p>⑦ EX PCC BASE COURSE 9"</p> <p>⑧ EX HMA PAVEMENT 9 1/4"</p> <p>⑨ PR HMA SHOULDER 4" (MOW STRIP)</p> <p>⑩ PR HIGH TENSION CABLE BARRIER</p> <p>⑪ FURNISHED EXCAVATION (SLOPE VARIES TO MATCH EXISTING)</p>
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STATION		TO	STATION	EX SHOULDER ** WIDTH (FEET)	MOW STRIP * WIDTH (FEET)	TOTAL WIDTH (FEET)
RT. STA.	479+50.	TO	RT. STA. 545+63.92	5.8	6.2	12
RT. STA.	546+69.1	TO	RT. STA. 556+00.	5.8	6.2	12
RT. STA.	594+50.	TO	RT. STA. 601+15.	4.0	8.0	12
RT. STA.	609+55.	TO	RT. STA. 619+50.	5.8	6.2	12
RT. STA.	646+50.	TO	RT. STA. 665+00	4.0	8.0	12
LT. STA.	554+50.	TO	LT. STA. 598+00.	4.0	8.0	12
LT. STA.	618+50.	TO	LT. STA. 639+88.	4.5	7.5	12
LT. STA.	641+02.	TO	LT. STA. 649+50	4.5	7.5	12

20200100		EARTH EXCAVATION						(CU YD)
20400800		FURNISHED EXCAVATION						(CU YD)
LOCATION	STATION	TO	STATION	EARTH EXCAVATION (CUT) (CU YD)	EARTH EX. ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT BALANCE (FILL) (CU YD)	FURNISHED EXCAVATION WASTE (+)/ SHORTAGE (-) (CU YD)	
I-72	RT. STA. 479+50.	TO	RT. STA. 545+63.92	327	245	971	-725	
I-72	RT. STA. 546+69.1	TO	RT. STA. 556+00.	51	38	140	-102	
I-72	RT. STA. 594+50.	TO	RT. STA. 603+37.5	22	16	202	-185	
I-72	RT. STA. 609+55.	TO	RT. STA. 619+50.	39	29	324	-295	
I-72	RT. STA. 646+50.	TO	RT. STA. 669+54.32	122	91	362	-271	
I-72	LT. STA. 554+50.	TO	LT. STA. 598+00.	144	108	1,923	-1,815	
I-72	LT. STA. 618+50.	TO	LT. STA. 639+88.	70	52	1,034	-982	
I-72	LT. STA. 645+50.	TO	LT. STA. 649+50.	34	25	36	-10	
TOTAL				808	606	4,992	-4,386	

SHRINKAGE FACTOR = 25%

EMBANKMENT = FILLS

SUITABLE EXCAVATION = CUTS

FURNISHED EXCAVATION = EMBANKMENT - (SUITABLE EXCAVATION X (1 - SF))

28000500		INLET AND PIPE PROTECTION		EACH
LOCATION	STATION			QUANTITY
I-72	CL 482+39			1
I-72	CL 482+62			1
I-72	CL 508+52			1
I-72	CL 524+05			1
I-72	CL 524+18			1
I-72	CL 534+62			1
I-72	CL 534+96			1
I-72	CL 545+95			1
I-72	CL 546+39			1
I-72	RT 582+00			1
I-72	RT 627+55			1
I-72	CL 639+70			1
I-72	CL 641+00			1
I-72	RT 654+90			1
I-72	RT 662+00			1
I-72	LT 662+00			1
TOTAL				16

25000400		NITROGEN FERTILIZER NUTRIENT						POUND		
25000500		PHOSPHORUS FERTILIZER NUTRIENT						POUND		
25000600		POTASSIUM FERTILIZER NUTRIENT						POUND		
25000200		SEEDING CLASS 2						ACRE		
25100125		MULCH, METHOD 3 *						ACRE		
28000250		TEMPORARY EROSION CONTROL SEEDING						POUND		
LOCATION	STATION	TO	STATION	NIT. FERT. (LB)	PHOS. FERT. (LB)	POT. FERT. (LB)	CLASS 2 SEEDING (SQ FT)	(AC)	MULCH METHOD 3 (AC)	TEMP. SEEDING (LB)
I-72	RT. STA. 479+50.	TO	RT. STA. 545+63.92	207.0	207.0	207.0	98,542	2.3	2.3	230
I-72	RT. STA. 546+69.1	TO	RT. STA. 556+00.	36.0	36.0	36.0	18,924	0.4	0.4	40
I-72	RT. STA. 594+50.	TO	RT. STA. 603+37.5	27.0	27.0	27.0	14,812	0.3	0.3	30
I-72	RT. STA. 609+55.	TO	RT. STA. 619+50.	36.0	36.0	36.0	17,327	0.4	0.4	40
I-72	RT. STA. 646+50.	TO	RT. STA. 669+54.32	63.0	63.0	63.0	32,605	0.7	0.7	70
				0.0	0.0	0.0				
I-72	LT. STA. 554+50.	TO	LT. STA. 598+00.	198.0	198.0	198.0	95,194	2.2	2.2	220
I-72	LT. STA. 618+50.	TO	LT. STA. 639+88.	99.0	99.0	99.0	47,775	1.1	1.1	110
I-72	LT. STA. 641+02.	TO	LT. STA. 649+50.	9.0	9.0	9.0	4,850	0.1	0.1	10
TOTAL				675.0	675.0	675.0	330,029	7.6	7.6	760

25100125 * Mulch Method 3 should be used for winter shutdown with Temporary Seeding

X6013820		PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL		EACH
LOCATION	STATION			QUANTITY
I-72	LT 559+70.5			1
I-72	LT 565+98.4			1
I-72	LT 570+94.7			1
I-72	LT 573+97.5			1
I-72	LT 578+02.3			1
I-72	LT 582+99			1
I-72	LT 587+04.5			1
I-72	RT 600+98.9			1
I-72	RT 613+99			1
I-72	RT 619+48			1
I-72	LT 621+86.4			1
I-72	LT 633+15.2			1
I-72	LT 634+17.6			1
I-72	RT 646+00			1
I-72	RT 650+00			1
I-72	RT 653+75.4			1
I-72	RT 654+79.2			1
I-72	RT 662+09.2			1
I-72	RT 665+06.9			1
TOTAL				19

48101498	AGGREGATE SHOULDERS, TYPE B 4"						SQ YD
XX003301	GEOTEXTILE FILTER FABRIC						SQ YD
LOCATION	STATION	TO	STATION		LENGTH	WIDTH	QUANTITY
I-72	RT. STA. 601+15.	TO	RT. STA. 603+37.48		222.7	4.0	99.0
I-72	RT. STA. 665+00.	TO	RT. STA. 669+54.32		454.3	4.0	202
TOTAL							301

48203013	HOT-MIX ASPHALT SHOULDERS, 4"						SQ YD
LOCATION	STATION	TO	STATION				QUANTITY
I-72	RT. STA. 479+50.	TO	RT. STA. 545+63.92				4,522
I-72	RT. STA. 546+69.1	TO	RT. STA. 556+00.				702
I-72	RT. STA. 594+50.	TO	RT. STA. 601+15.				625
I-72	RT. STA. 609+55.	TO	RT. STA. 619+50.				691
I-72	RT. STA. 646+50.	TO	RT. STA. 665+00				1,565
I-72	LT. STA. 554+50.	TO	LT. STA. 598+00.				3,949
I-72	LT. STA. 618+50.	TO	LT. STA. 639+88.				1,954
I-72	LT. STA. 641+02.	TO	LT. STA. 649+50				338
TOTAL							14,346

54002020	EXPANSION BOLTS 3/4 INCH					EACH
54202965	PIPE CULVERTS, TYPE 4 RCCP 30"					FOOT
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"					EACH
54248515	CONCRETE COLLAR					EACH
LOCATION	STATION		EXPANSION BOLTS (EACH)	30" PIPE CULVERT (FEET)	30" FLARED END SECTION (EACH)	CONCRETE COLLAR (EACH)
I-72	RT 662+00		8	8	1	1
TOTAL			8	8	1	1

63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS						FOOT
78200405	GUARDRAIL MARKERS						EACH
LOCATION	STATION	TO	STATION		QUANTITY (FOOT)	QUANTITY (EACH)	
I-72	RT. STA. 598+06.63	TO	RT. STA. 603+33.9		525.0	7	
I-72	LT. STA. 597+87.21	TO	LT. STA. 607+17.9		912.5	11	
6TH ST SE RAMP	LT. STA. 7+08.3	TO	LT. STA. 8+78.60		187.5	2	
6TH ST SW RAMP	LT. STA. 4+65.5		LT. STA. 11+46		525.0	7	
TOTAL					2,150.0	27	

63100085	TRAFFIC BARRIER TERMINAL, TYPE 6							EACH
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT							EACH
X6330115	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) REMOVE AND RELOCATE							EACH
78201000	TERMINAL MARKER - DIRECT APPLIED							EACH
LOCATION	STATION	TO	STATION		TYPE 6 QUANTITY (EACH)	TYPE 1 TANGENT QUANTITY (EACH)	TYPE 1 REM/REPL QUANTITY (EACH)	TERMINAL MARKER QUANTITY (EACH)
I-72	RT. STA. 602+84.8	TO	RT. STA. 597+57.6				1.0	
I-72	LT. STA. 607+17.9	TO	LT. STA. 607+61.1		1.0			
6TH ST SE RAMP	LT. STA. 6+60.9	TO	LT. STA. 7+08.3			1.0		1.0
6TH ST SW RAMP	LT. STA. 4+15.5		LT. STA. 4+65.5			1.0		1.0
TOTAL					1.0	2.0	1.0	2.0

X0325231	CABLE GUARD MARKER					EACH
LOCATION	STATION	TO	STATION		LENGTH	QUANTITY
I-72	RT. STA. 479+50.	TO	RT. STA. 545+63.92		6613.92	165
I-72	RT. STA. 546+69.1	TO	RT. STA. 556+00.		930.90	23
I-72	RT. STA. 594+50.	TO	RT. STA. 603+37.5		887.50	22
I-72	RT. STA. 609+55.	TO	RT. STA. 619+50.		995.00	25
I-72	RT. STA. 646+50.	TO	RT. STA. 669+54.32		2304.32	58
I-72	LT. STA. 554+50.	TO	LT. STA. 571+05.03 BK		1605.03	40
I-72	LT. STA. 569+30.74 AH	TO	LT. STA. 598+00.		2819.26	70
I-72	LT. STA. 618+50.	TO	LT. STA. 635+79.29 BK		1679.29	42
I-72	LT. STA. 634+03.49 AH	TO	LT. STA. 639+88.		534.50	13
I-72	LT. STA. 641+02.	TO	LT. STA. 649+50.		848.00	21
TOTAL					19217.72	480

STA EQ. 571+05.03 BK = STA 569+30.74 AH
 STA EQ. 635+79.29 BK = STA 634+03.49 AH

X0325589	HIGH TENSION CABLE MEDIAN BARRIER					FOOT
LOCATION	STATION	TO	STATION		QUANTITY	
I-72	RT. STA. 480+00.	TO	RT. STA. 545+13.92		6513.92	
I-72	RT. STA. 547+19.08	TO	RT. STA. 555+50.		830.92	
I-72	RT. STA. 595+00.	TO	RT. STA. 602+87.76		787.76	
I-72	RT. STA. 610+05.	TO	RT. STA. 619+00.		895.00	
I-72	RT. STA. 647+00.	TO	RT. STA. 669+04.32		2204.32	
I-72	LT. STA. 555+00.	TO	LT. STA. 571+05.03 BK		1605.03	
I-72	LT. STA. 569+30.74 AH	TO	LT. STA. 597+50		2819.26	
I-72	LT. STA. 619+00.	TO	LT. STA. 635+79.29 BK		1679.29	
I-72	LT. STA. 634+03.49 AH	TO	LT. STA. 639+38.		534.50	
I-72	LT. STA. 641+52.	TO	LT. STA. 649+00.		748.00	
TOTAL					18618.00	

STA EQ. 571+05.03 BK = STA 569+30.74 AH
 STA EQ. 635+79.29 BK = STA 634+03.49 AH

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -
es:\pwork\PIWIDOT\LAUGHLINRL\0128581\0672C77-ah-t-schedule.dgn		DRAWN - BKL	REVISED -
		CHECKED - JPM	REVISED -
		DATE - 04/10/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

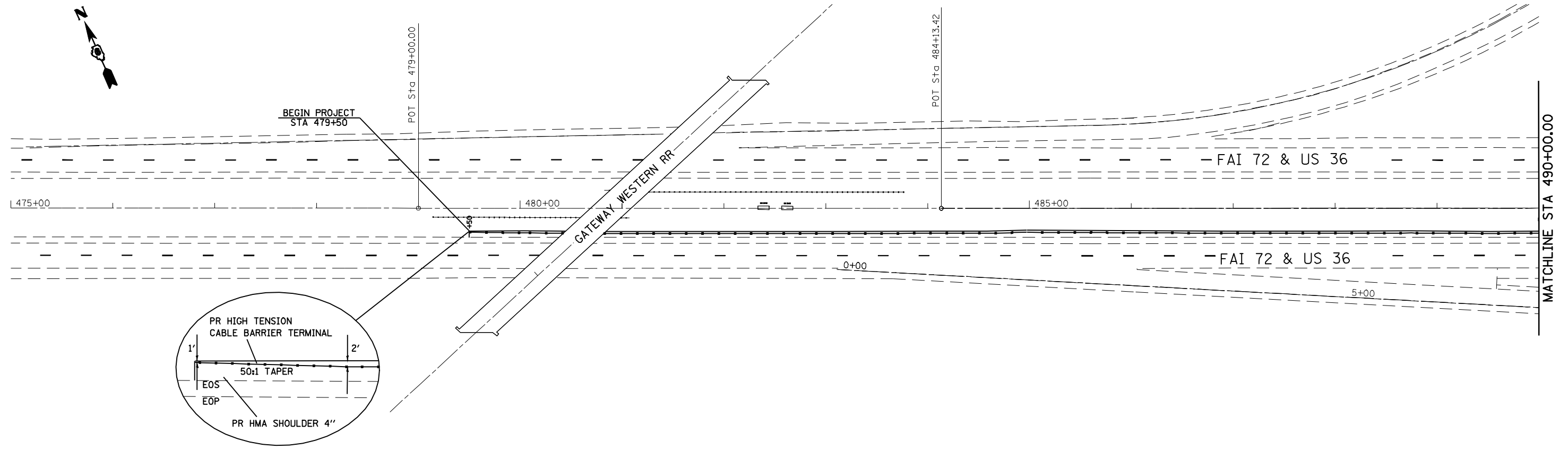
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

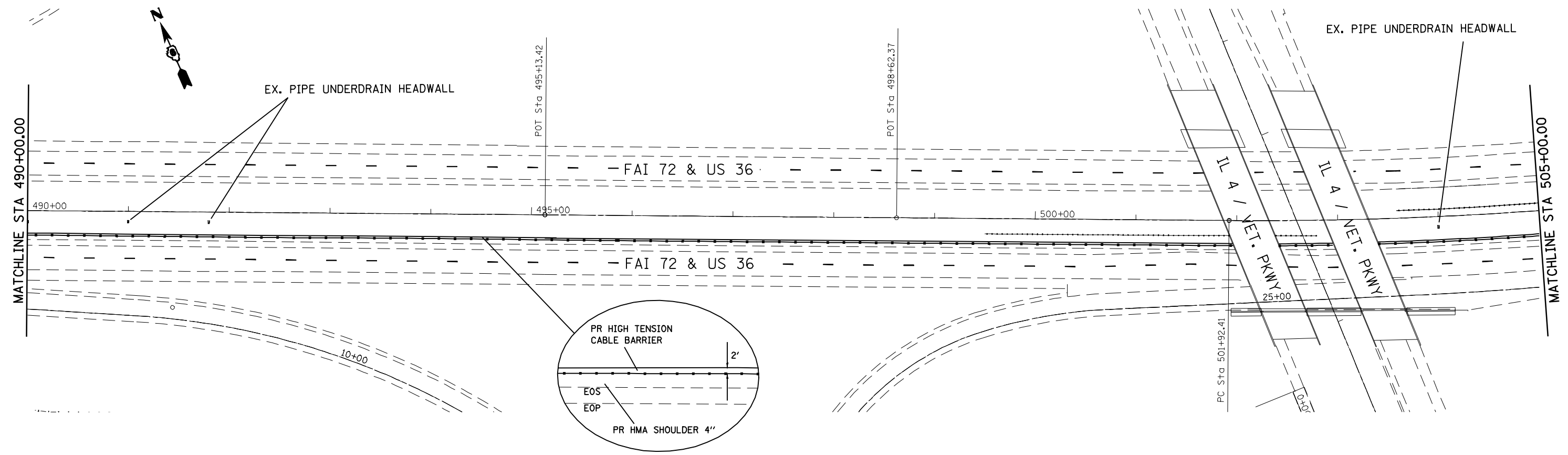
X0325590 HIGH TENSION CABLE MEDIAN BARRIER TERMINAL					EACH
LOCATION	STATION	TO	STATION		QUANTITY
I-72	RT. STA. 479+50.	TO	RT. STA. 480+00.		1.00
I-72	RT. STA. 545+13.9	TO	RT. STA. 545+63.9		1.00
I-72	RT. STA. 546+69.1	TO	RT. STA. 547+19.1		1.00
I-72	RT. STA. 555+50.	TO	RT. STA. 556+00.		1.00
I-72	RT. STA. 594+50.	TO	RT. STA. 595+00.		1.00
I-72	RT. STA. 602+87.5	TO	RT. STA. 603+37.5		1.00
I-72	RT. STA. 609+55.	TO	RT. STA. 610+05.		1.00
I-72	RT. STA. 619+00.	TO	RT. STA. 619+50.		1.00
I-72	RT. STA. 646+50.	TO	RT. STA. 647+00.		1.00
I-72	RT. STA. 669+04.3	TO	RT. STA. 669+54.3		1.00
I-72	LT. STA. 554+50.	TO	LT. STA. 555+00.		1.00
I-72	LT. STA. 597+50.	TO	LT. STA. 598+00.		1.00
I-72	LT. STA. 618+50.	TO	LT. STA. 619+00.		1.00
I-72	LT. STA. 639+38.	TO	LT. STA. 639+88.		1.00
I-72	LT. STA. 641+02.	TO	LT. STA. 641+52.		1.00
I-72	LT. STA. 649+00.	TO	LT. STA. 649+50.		1.00
TOTAL					16.00

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\pwidot\LAUGHLINRL\0128581\0672C77-sh-t-schedule.dgn		DRAWN - BKL	REVISED -		72	*	SANGAMON	100	9				
PLOT SCALE = 100.0000' / IN.		CHECKED - JPM	REVISED -		CONTRACT NO. 72C77								
PLOT DATE = May-07-2009 08:11:43AM		DATE - 04/10/09	REVISED -		SCALE: N.A.	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

SECTION 13, T15N, R6W, 3rd PM

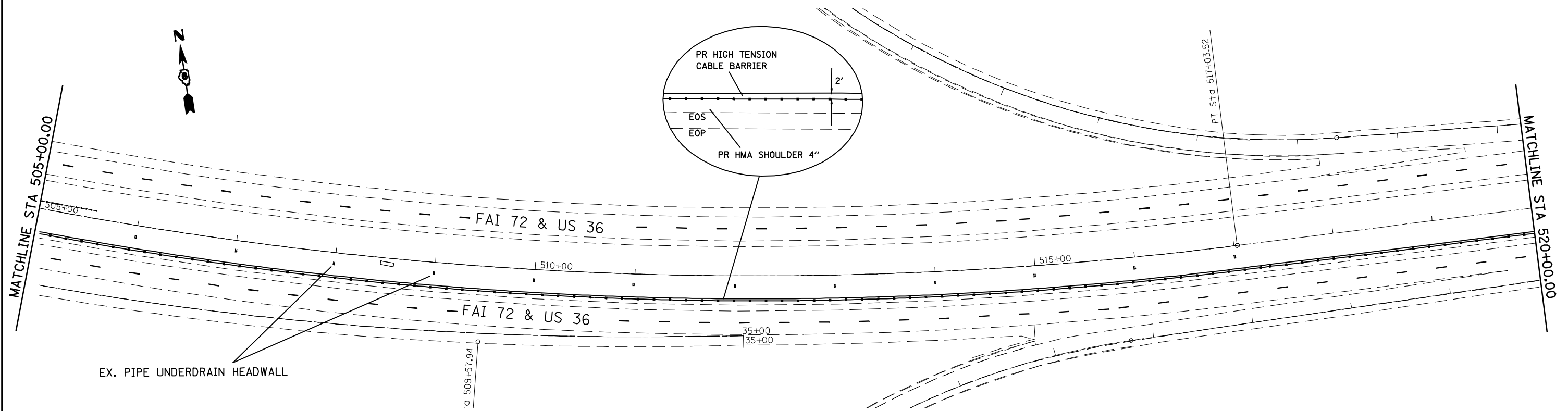


SECTION 13, T15N, R6W, 3rd PM

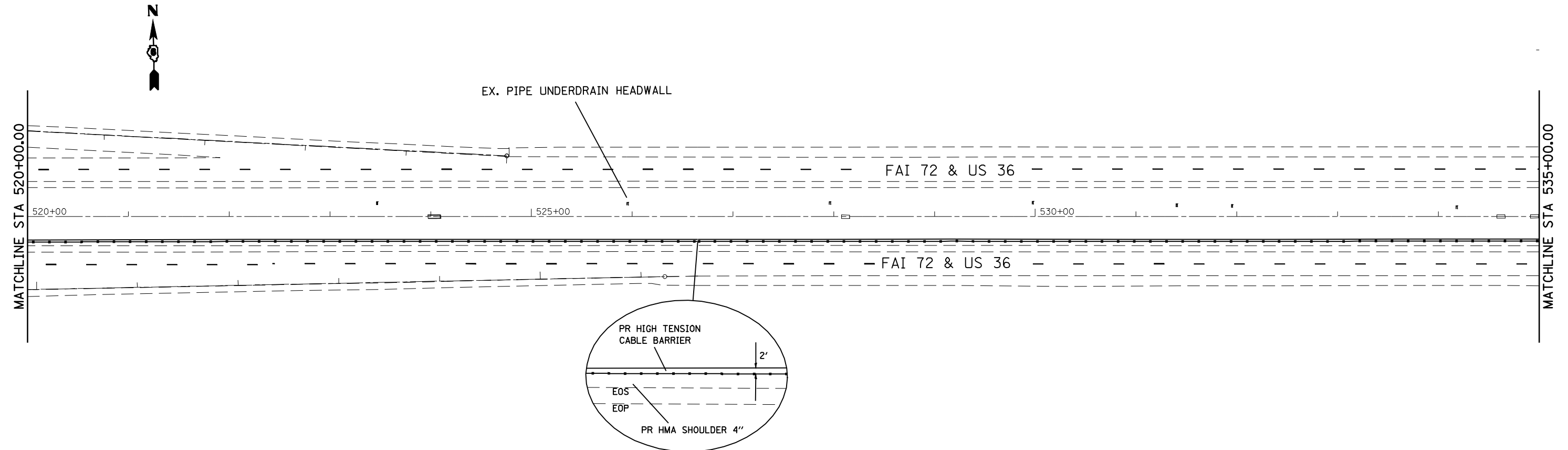


FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\pwork\LAUGHLINRL\0128581\0672C77-sh-t-DBLPLN1.dgn		DRAWN - BKL	REVISED -		72	.	SANGAMON	100	10				
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PLOT DATE = May-07-2009 08:11:46AM		DATE - 04/10/09	REVISED -		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

SECTION 18, T15N, R5W, 3rd PM



SECTION 18, T15N, R5W, 3rd PM



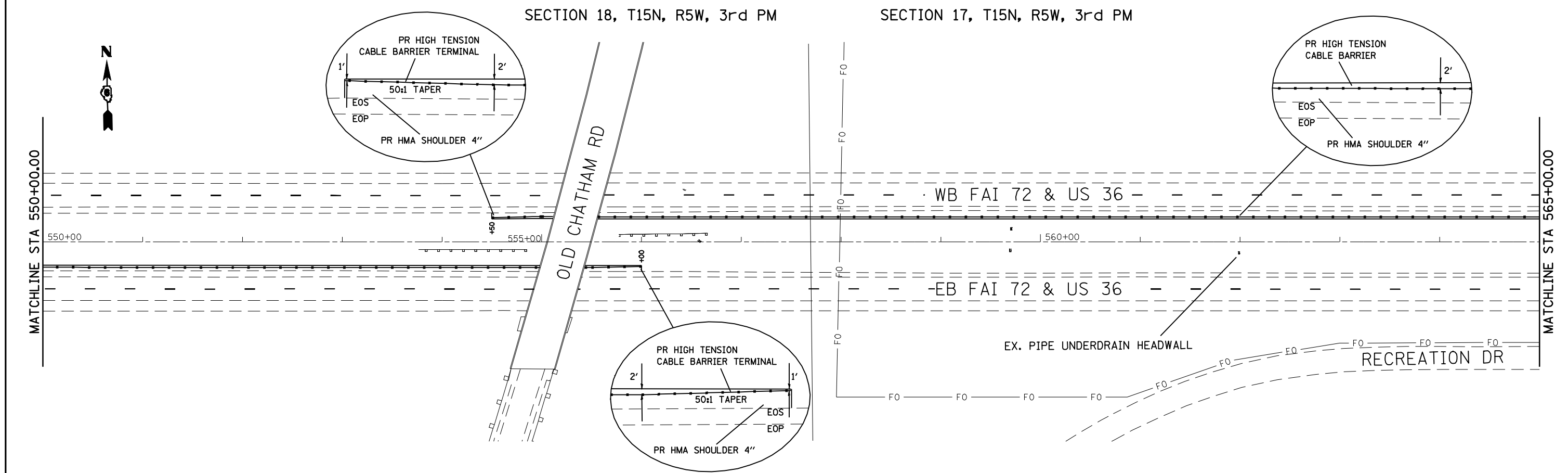
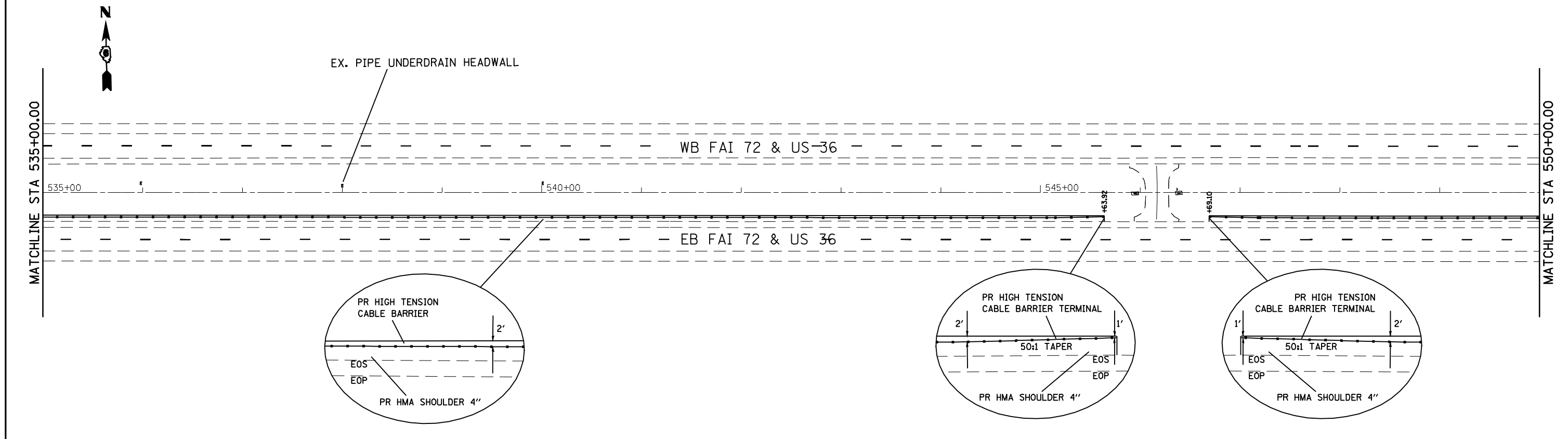
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
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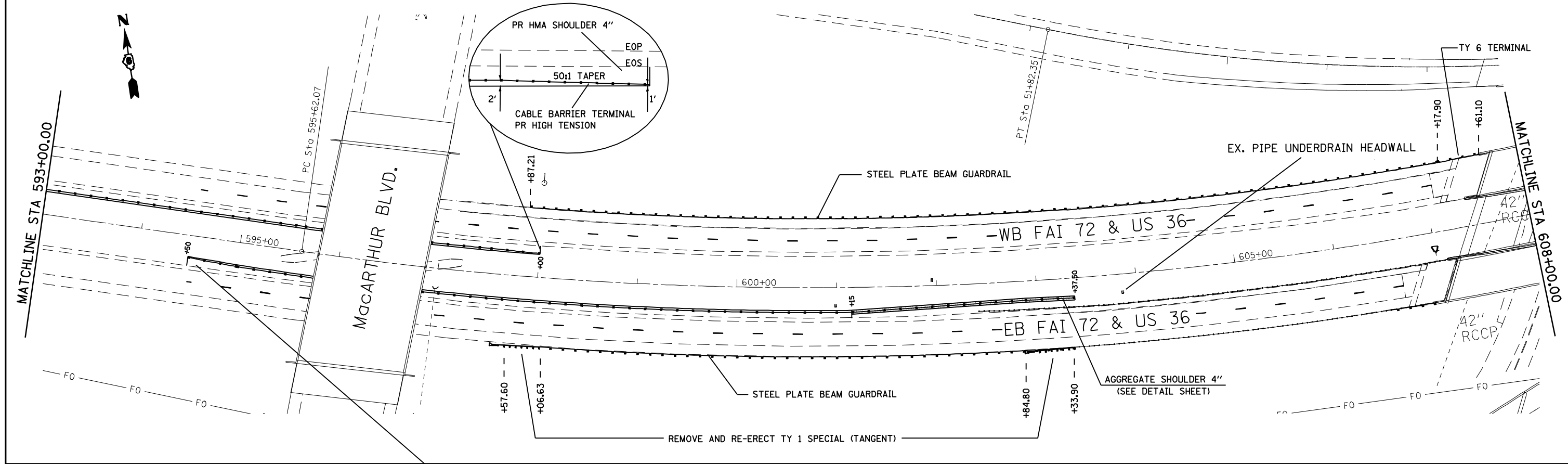
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72	*	SANGAMON	100	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

SECTION 18, T15N, R5W, 3rd PM

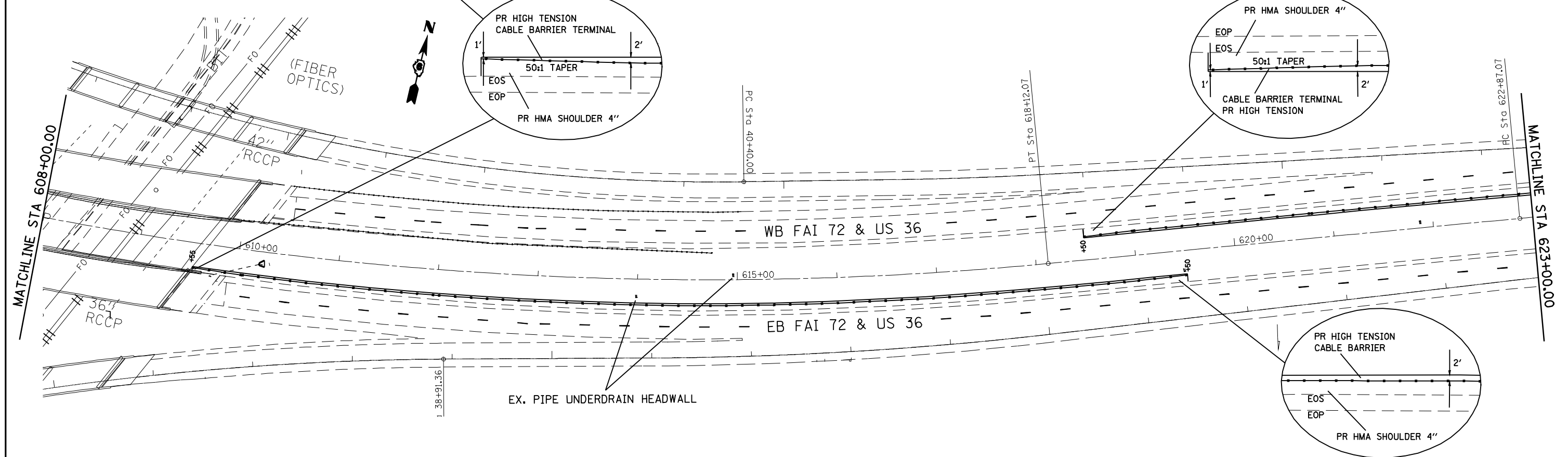


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		DATE - 04/10/09	REVISED -		# DE CARLE/GUARDRATI 2010								

SECTION 17, T15N, R5W, 3rd PM



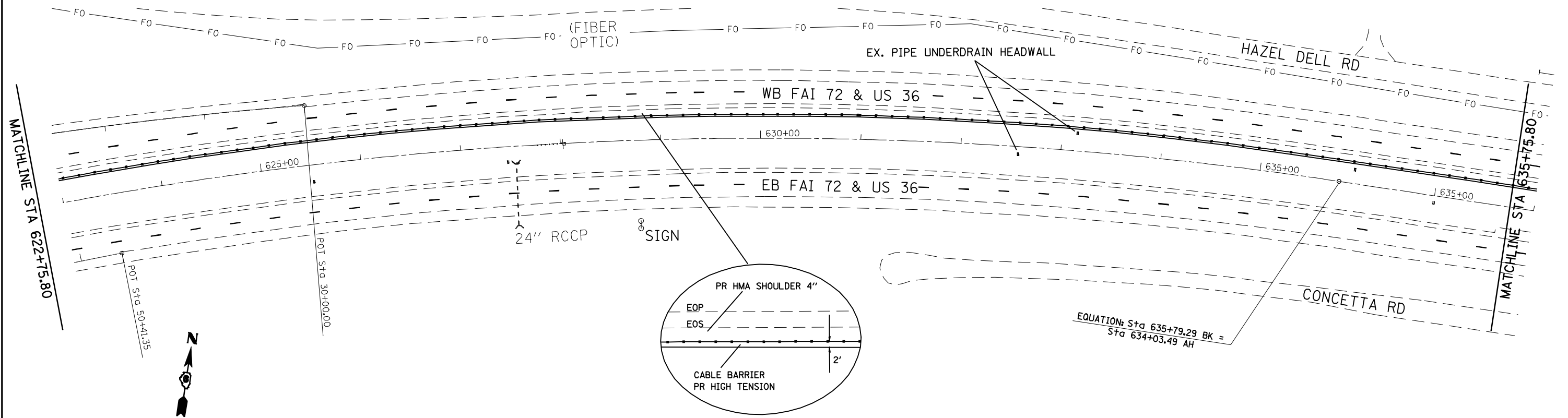
SECTION 16, T15N, R5W, 3rd PM



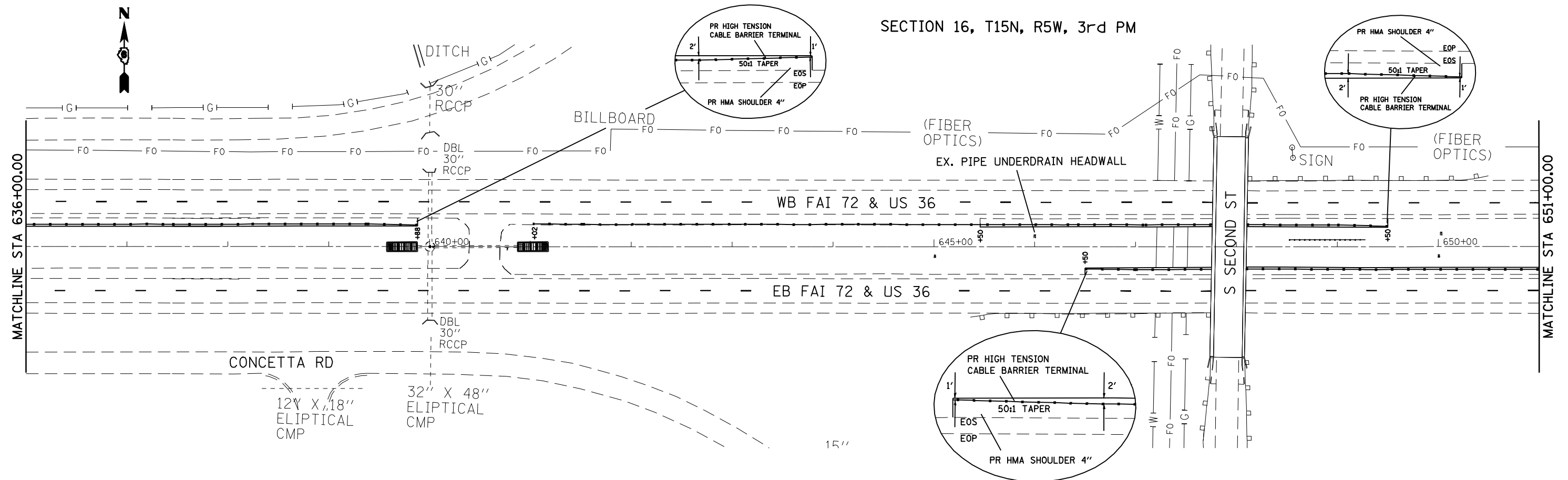
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es:\pwwork\pwwork\LAUGHLINRL\0128581\0672C77-sh-t-DBLPLN1.dgn		DRAWN - BKL	REVISED -		72	.	SANGAMON	100	14				
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PLOT DATE = May-07-2009 08:13:25AM		DATE - 04/10/09	REVISED -		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

• DE CABLE GUARDRAIL 2010

SECTION 16, T15N, R5W, 3rd PM



SECTION 16, T15N, R5W, 3rd PM



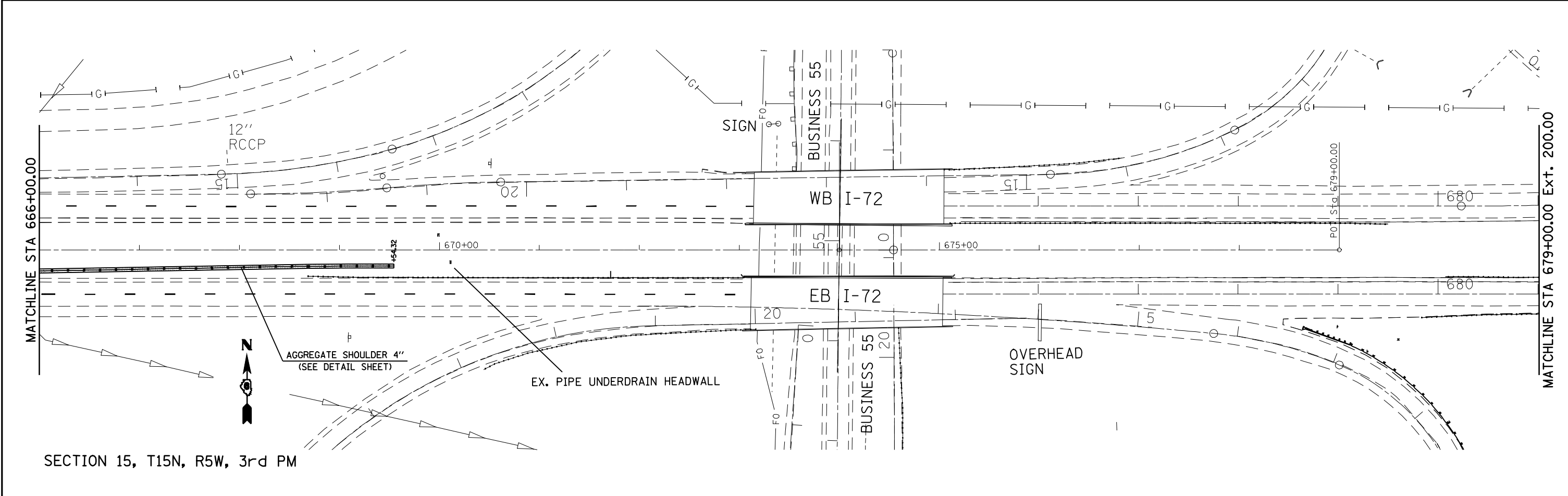
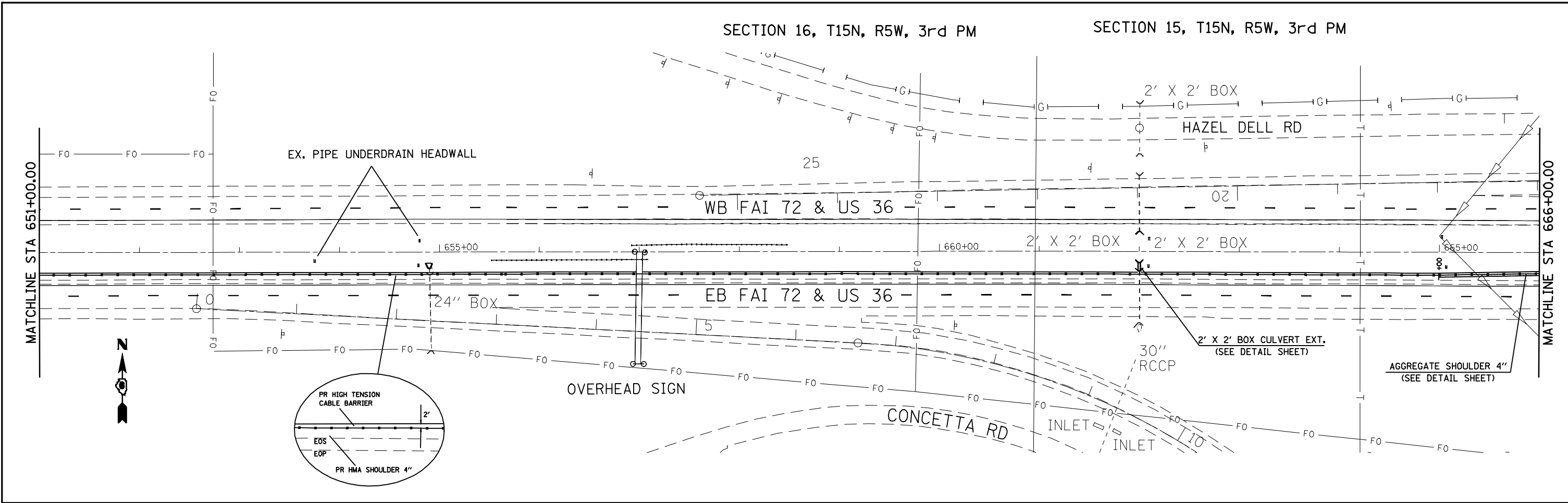
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

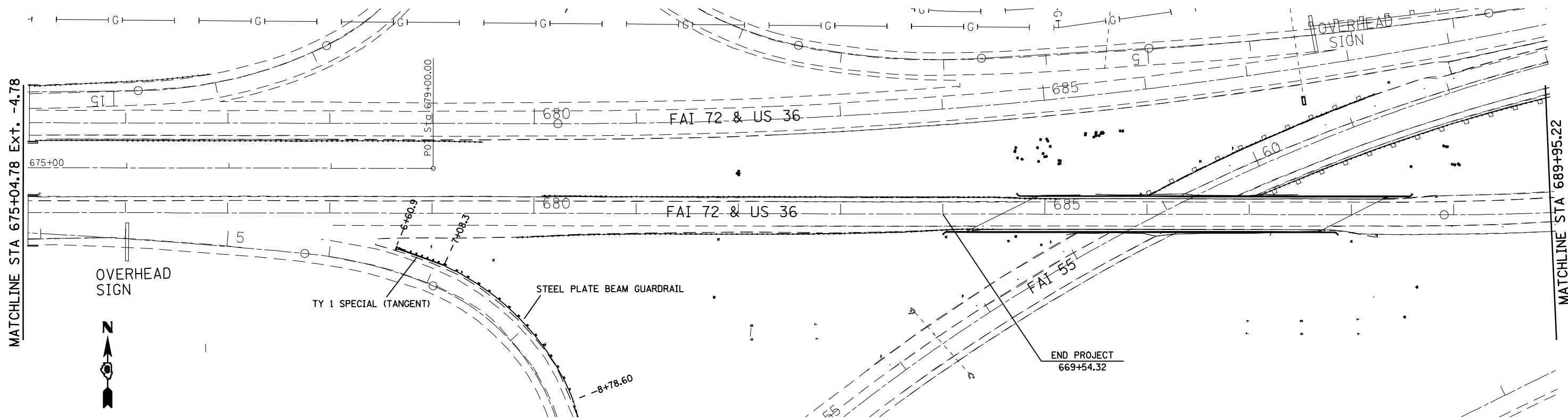
PLAN SHEET

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

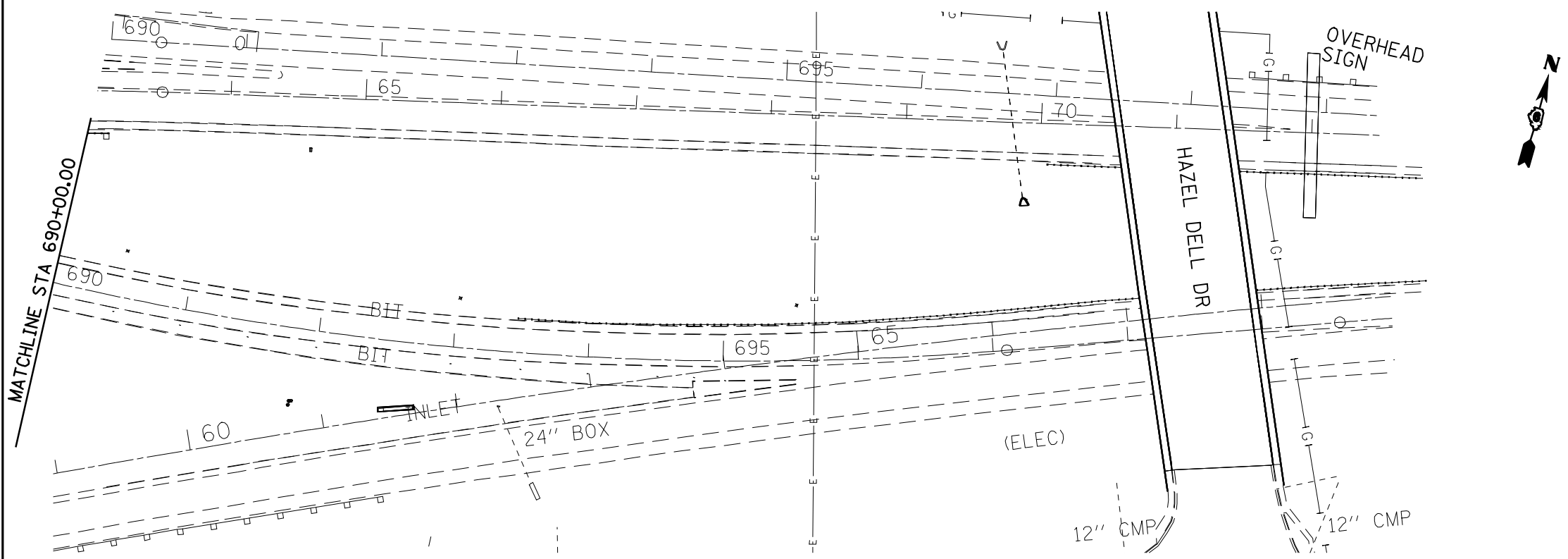
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72	.	SANGAMON	100	15
CONTRACT NO. 72C77			ILLINOIS FED. AID PROJECT	



FILE NAME = e:\pwork\pwork\LAUGHLIN\la0128581\0672c77-sh-t-DBLPLN1.dgn	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET				F.A.I. RTE. = 72	SECTION =	COUNTY = SANGAMON	TOTAL SHEETS = 100	SHEET NO. = 16
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SECTION 15, T15N, R5W, 3rd PM



SECTION 15, T15N, R5W, 3rd PM

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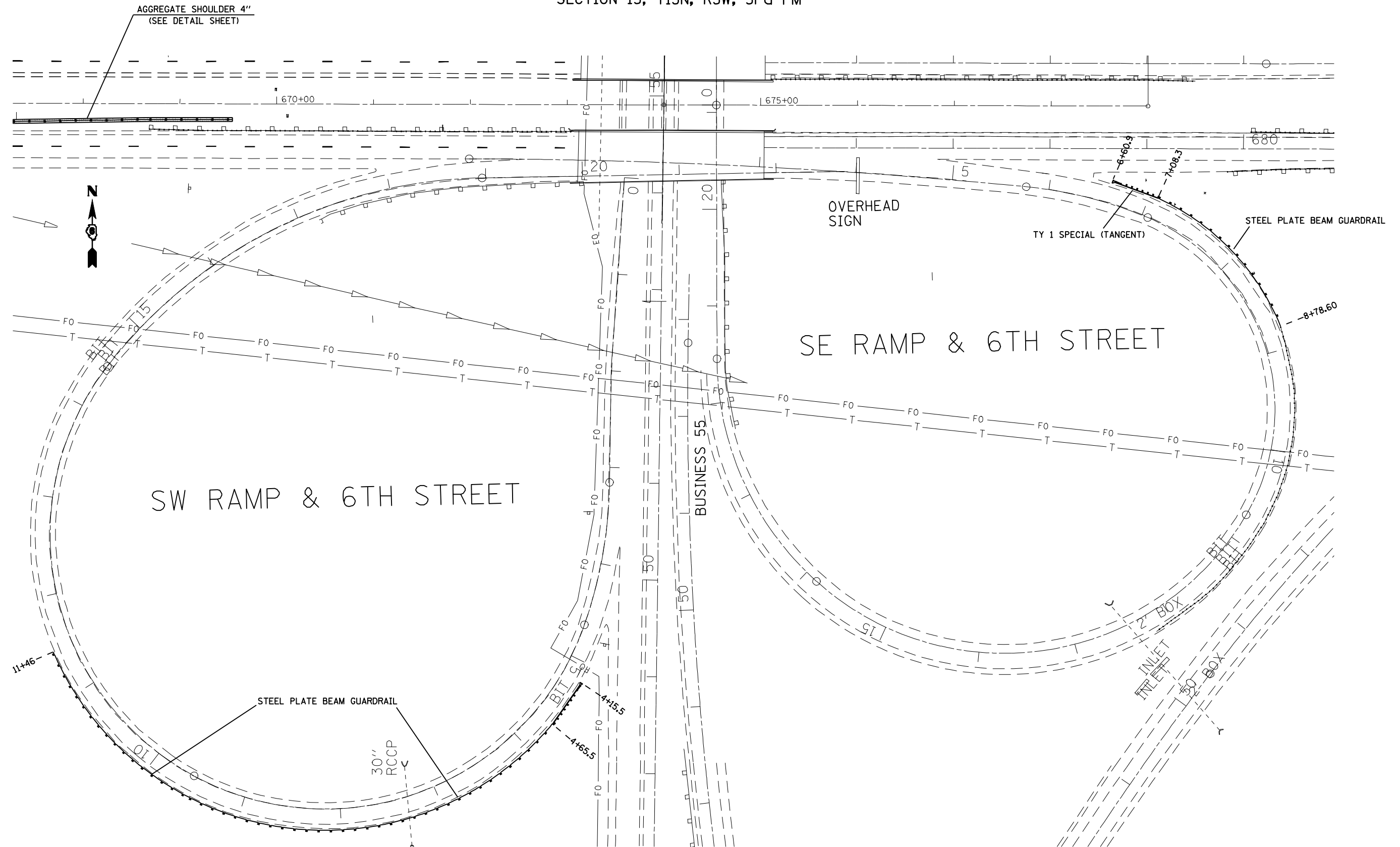
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1" = 50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	SANGAMON	100	17
CONTRACT NO. 72C77			ILLINOIS FED. AID PROJECT	

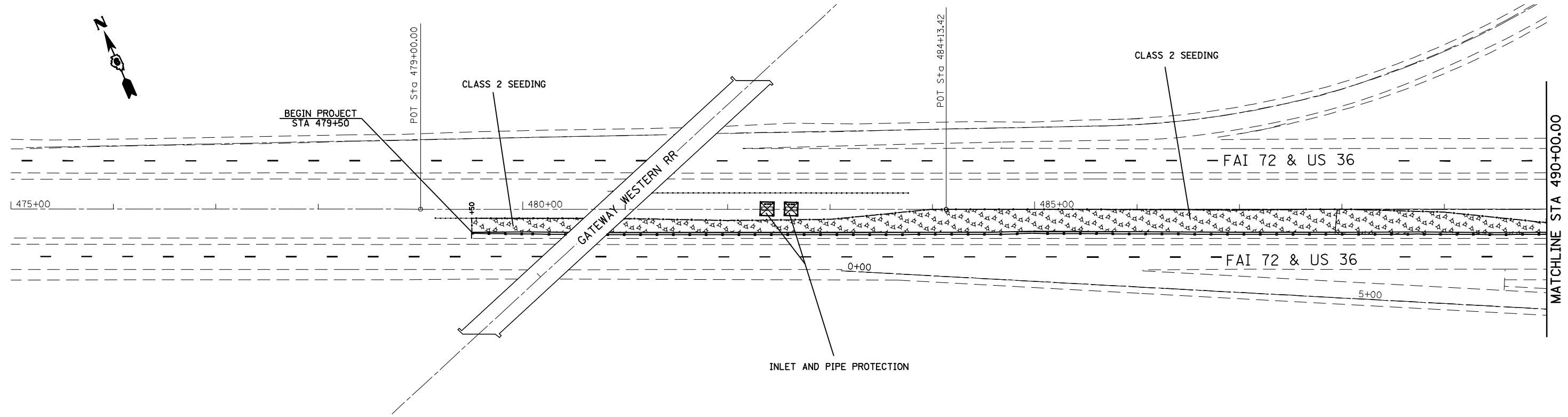
• DE CARLE/GUARDRAIL 2010

SECTION 15, T15N, R5W, 3rd PM

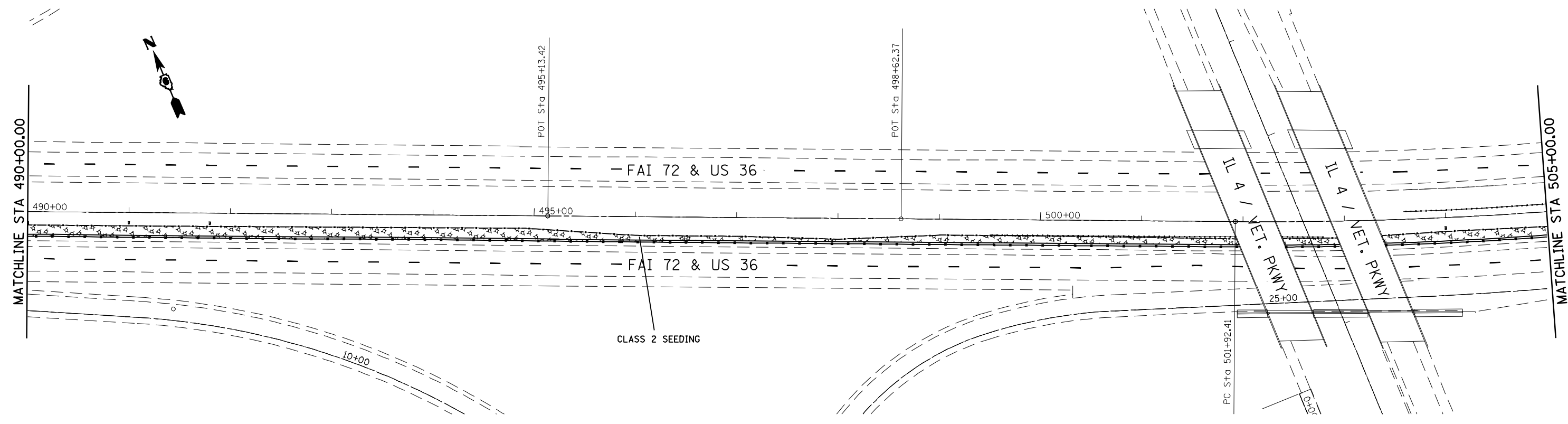


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PLOT DATE = May-07-2009 08:13:38AM	DATE - 04/10/09	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							
* DE CARL E/GUARDRAIL 2010												

SECTION 13, T15N, R6W, 3rd PM

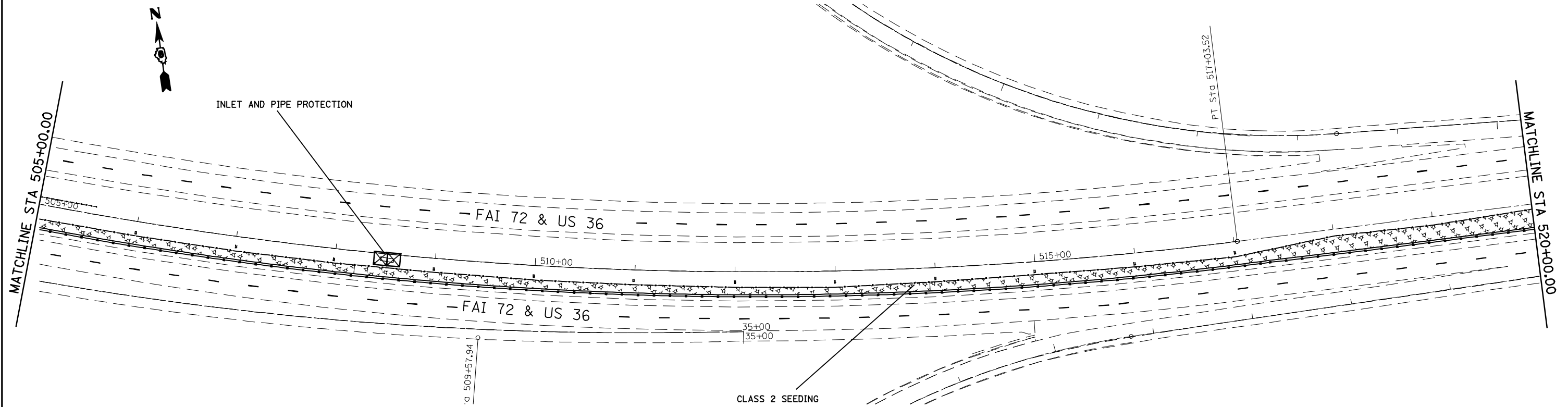


SECTION 13, T15N, R6W, 3rd PM

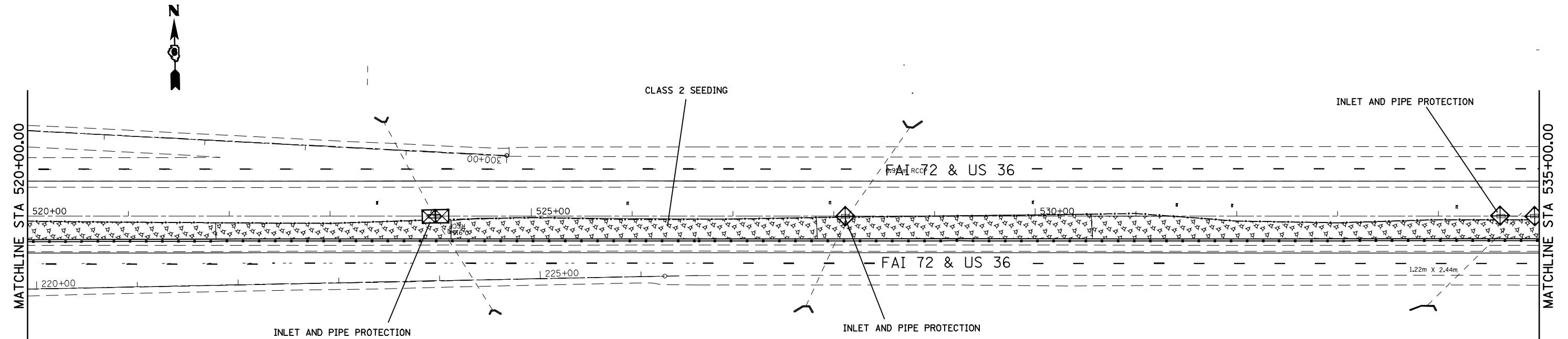


FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL AND SEEDING				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er:\pwork\PWIDOT\LAUGHLINRL\0128581\0672C77-sh.t-eros.dgn		DRAWN - BKL	REVISED -		72	.	SANGAMON	100	19				
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SECTION 18, T15N, R5W, 3rd PM



SECTION 18, T15N, R5W, 3rd PM



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -
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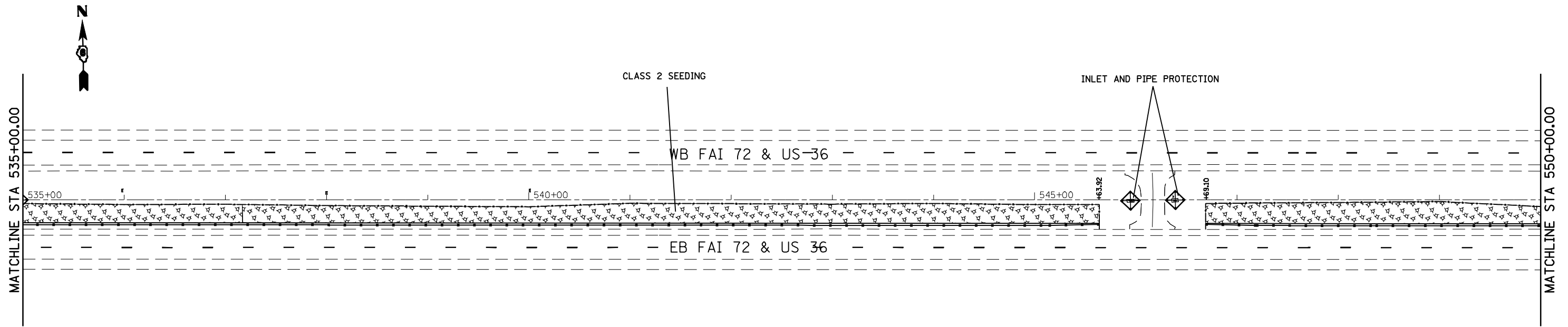
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND SEEDING

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

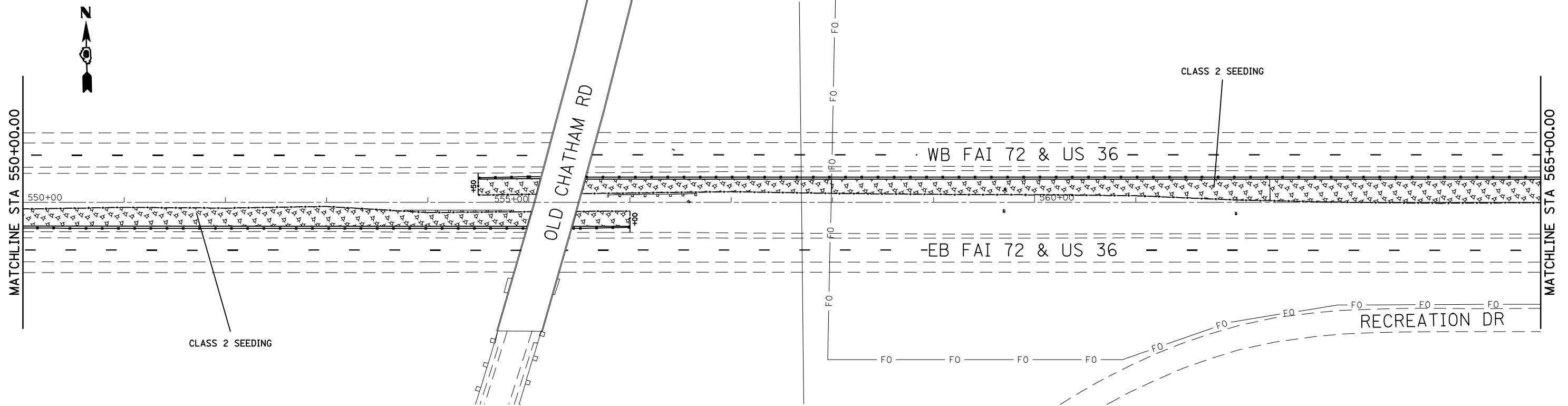
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

SECTION 18, T15N, R5W, 3rd PM



SECTION 18, T15N, R5W, 3rd PM

SECTION 17, T15N, R5W, 3rd PM



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND SEEDING

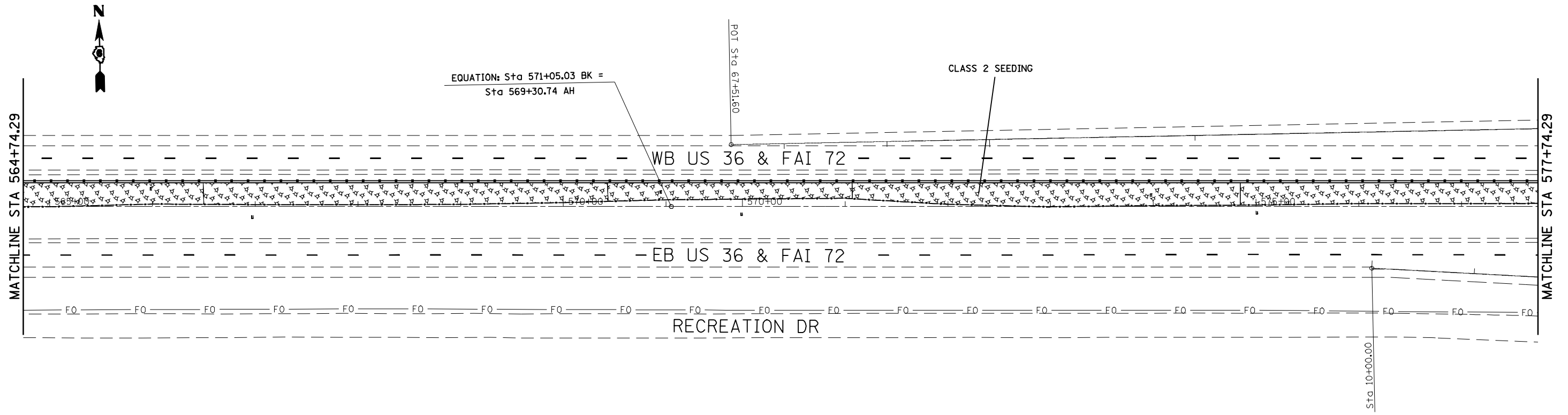
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	21
CONTRACT NO. 72C77				

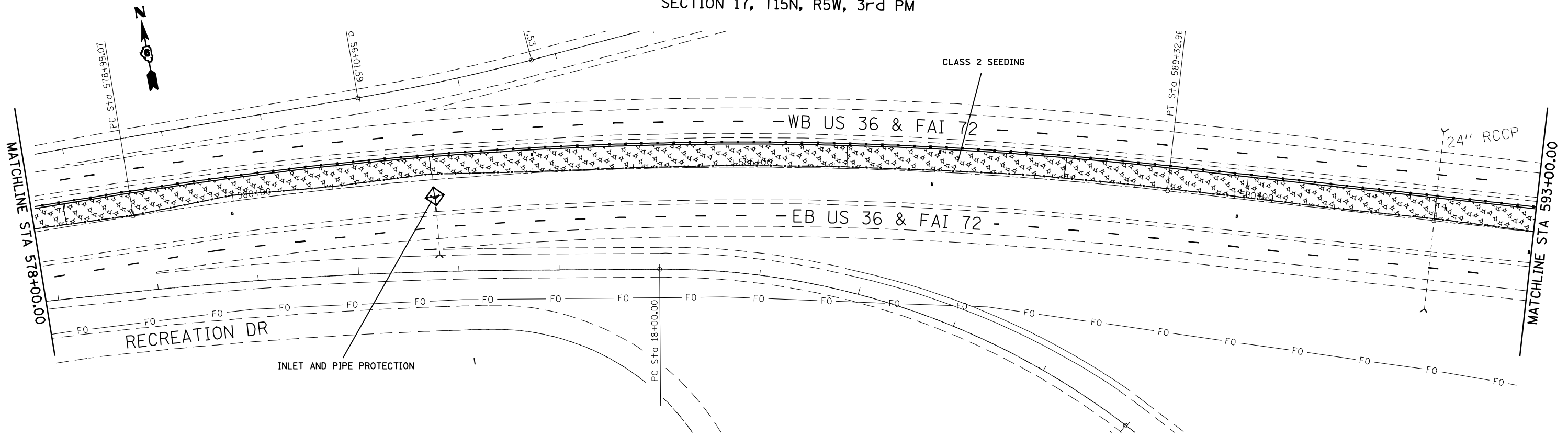
ILLINOIS FED. AID PROJECT

• DE CARLE/GIARDRAI 2010

SECTION 17, T15N, R5W, 3rd PM

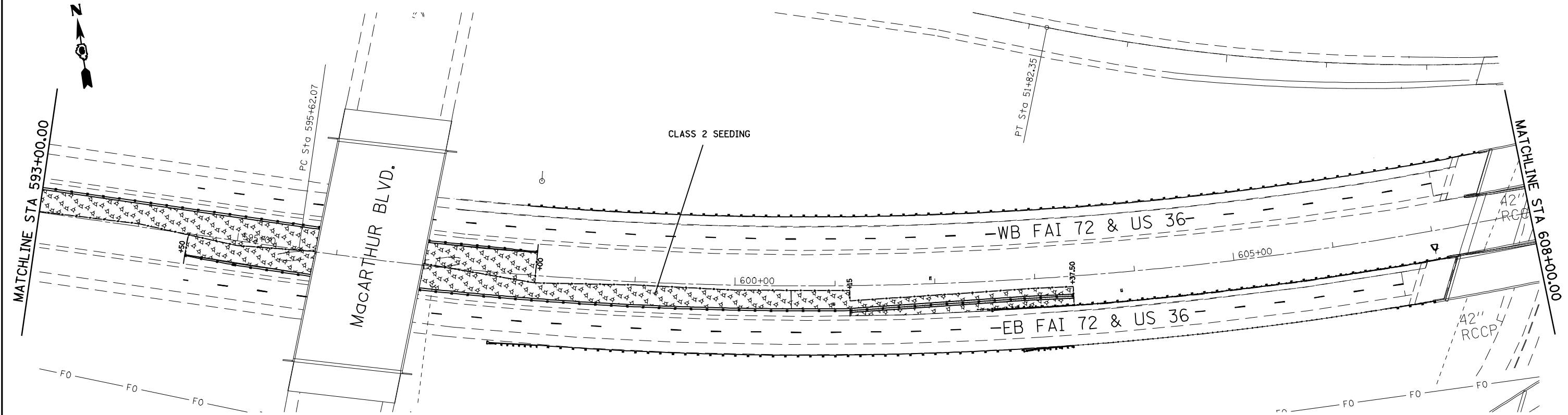


SECTION 17, T15N, R5W, 3rd PM

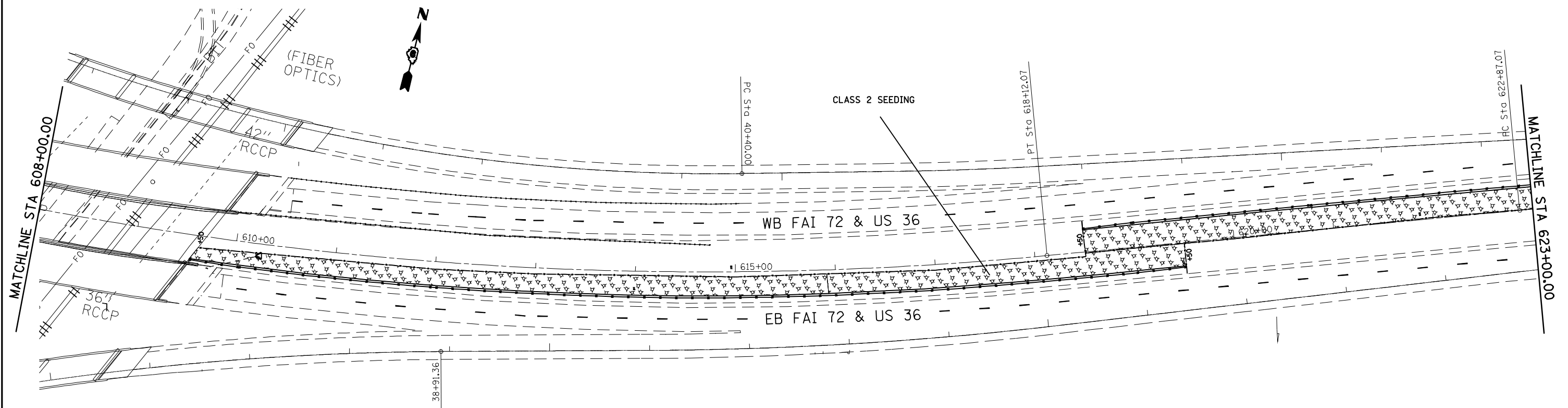


FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL AND SEEDING			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwwork\pwwid\LAUGHLINRL\10128581\0672C77-sh-t-eros.dgn		DRAWN - BKL	REVISED -		72	.	SANGAMON	100	22			
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SECTION 17, T15N, R5W, 3rd PM



SECTION 16, T15N, R5W, 3rd PM



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -
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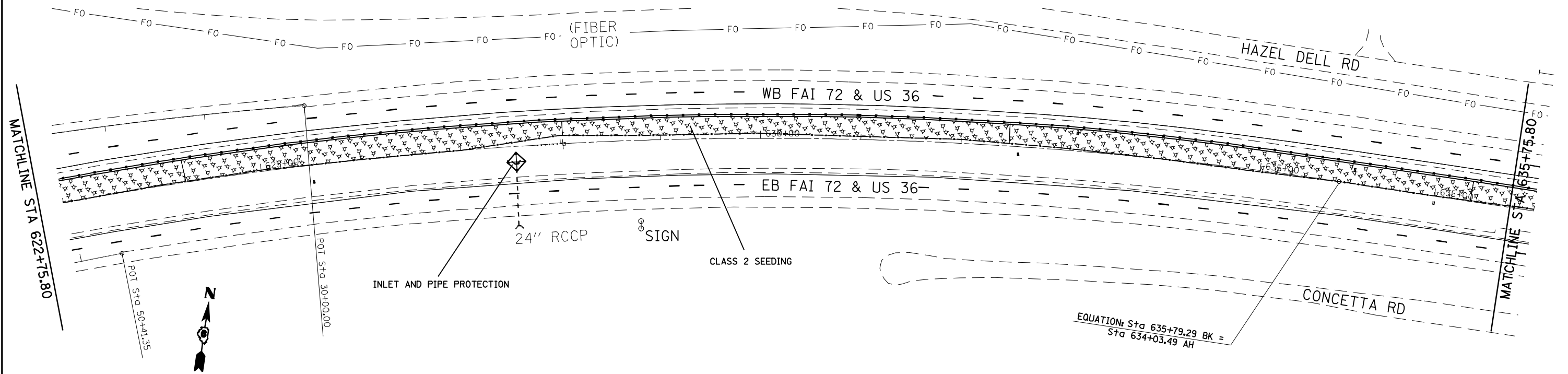
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND SEEDING

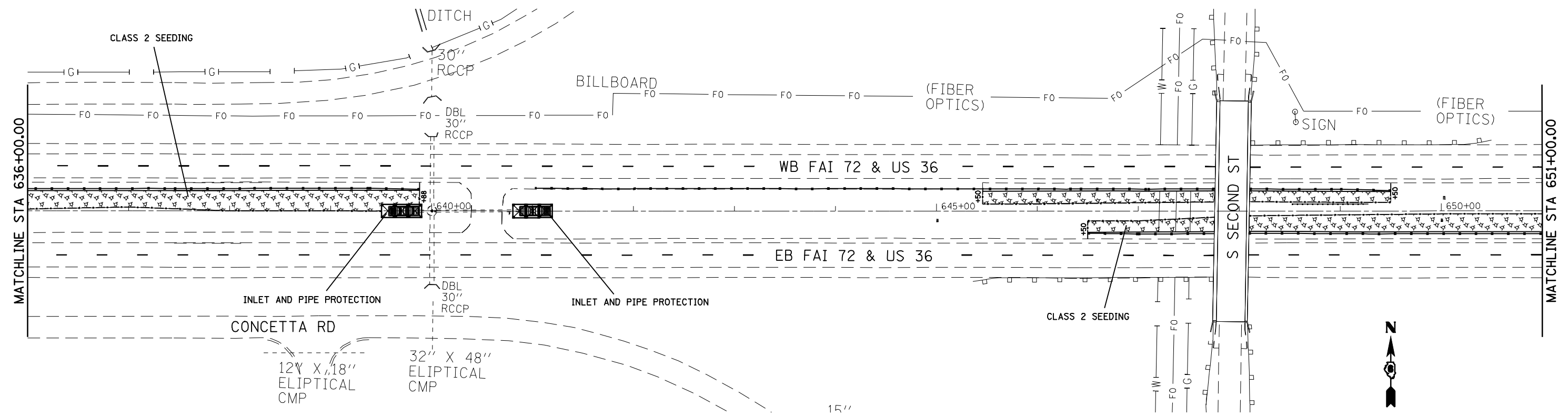
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	23
CONTRACT NO. 72C77				

SECTION 16, T15N, R5W, 3rd PM



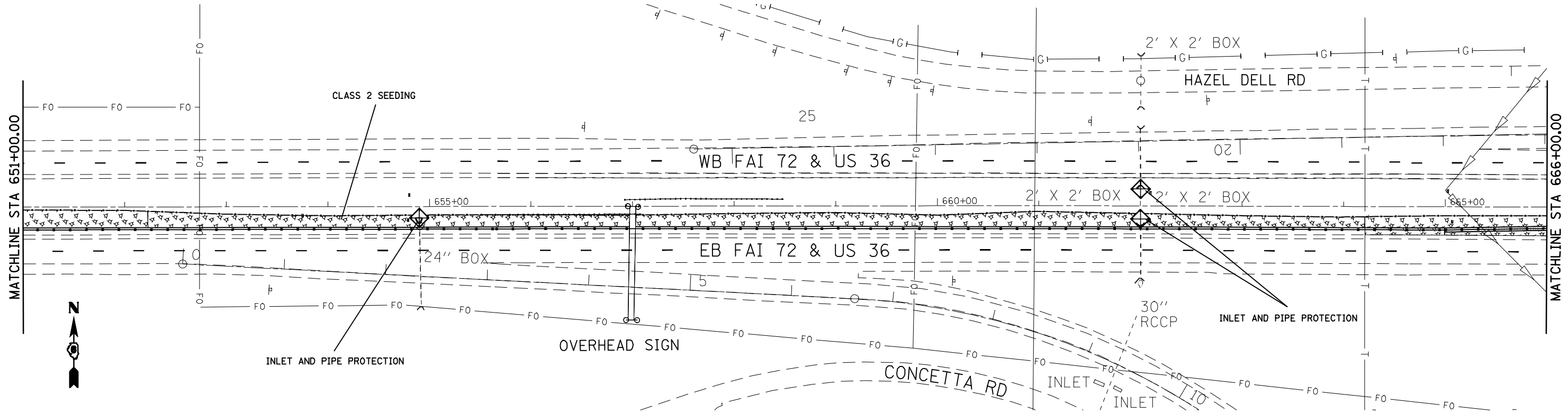
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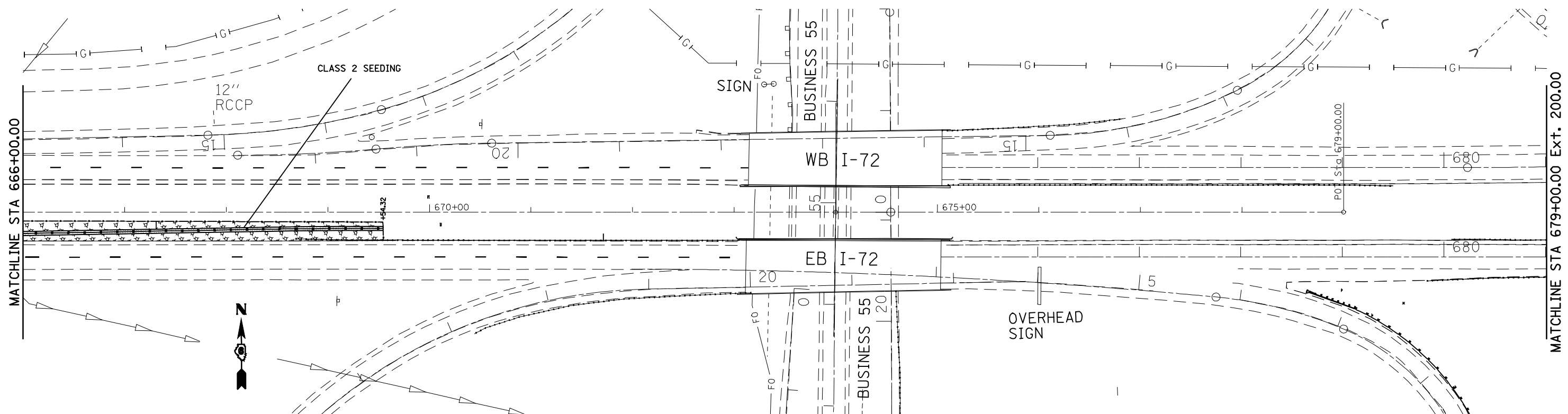
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PLOT DATE = May-07-2009 08:15:05AM		DATE - 04/10/09	REVISED -		* DE CARLE/GIARDRAI 2010								

SECTION 16, T15N, R5W, 3rd PM

SECTION 15, T15N, R5W, 3rd PM

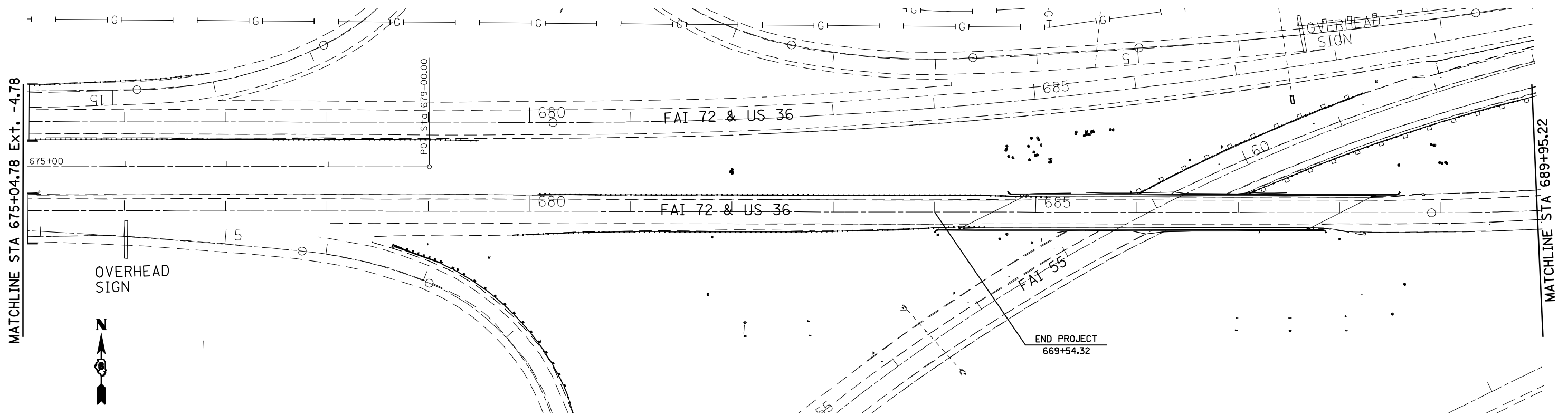


SECTION 15, T15N, R5W, 3rd PM

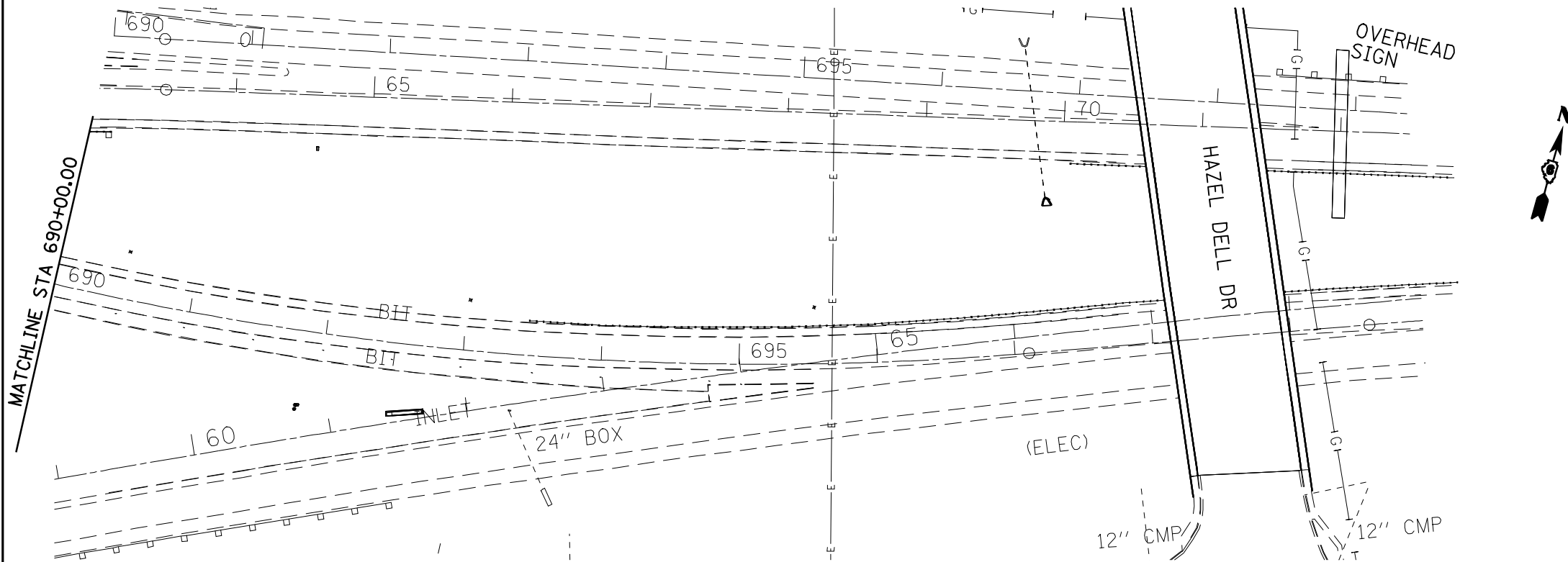


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SECTION 15, T15N, R5W, 3rd PM



SECTION 15, T15N, R5W, 3rd PM



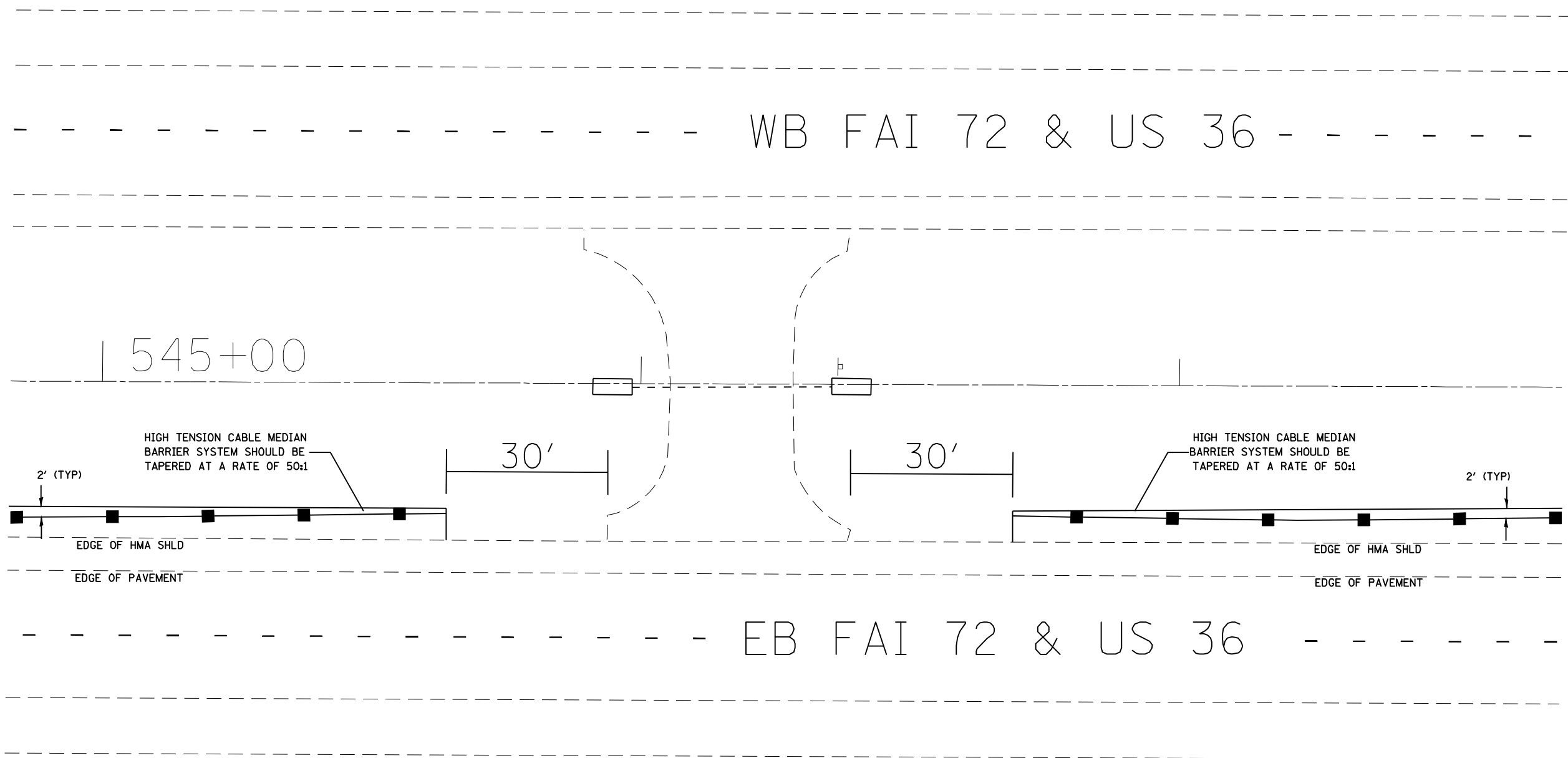
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND SEEDING

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	SANGAMON	100	26
CONTRACT NO. 72C77				
ILLINOIS FED. AID PROJECT				



NOTES:

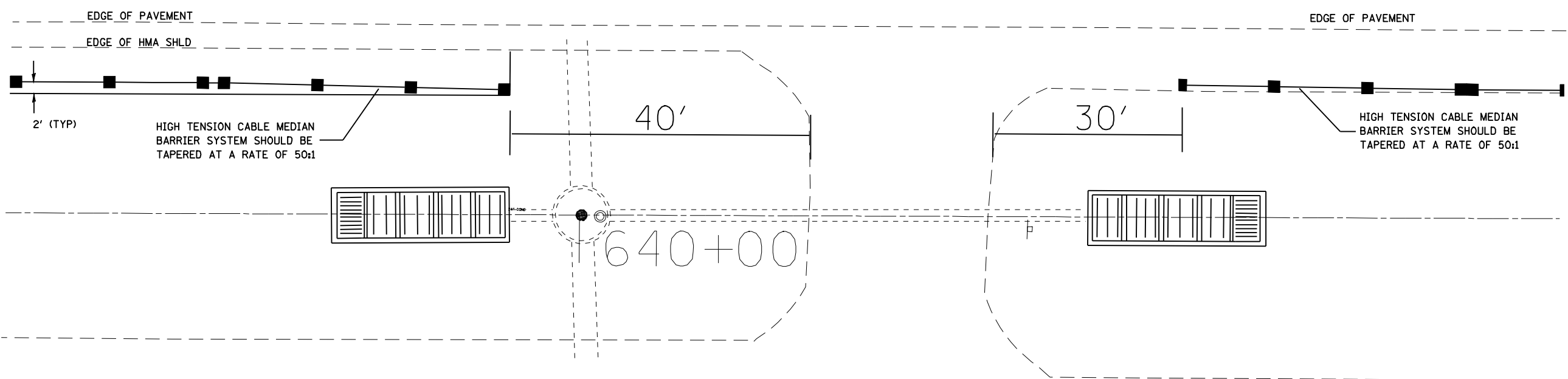
1. POSTS SHALL BE DRIVEN, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.

NOT TO SCALE

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* 06 CARLE/GIARDRAU 2010												



- - WB FAI 72 & US 36 - - - - -



- - -EB FAI 72 & US 36 - - - - -

STATION 640+54.5

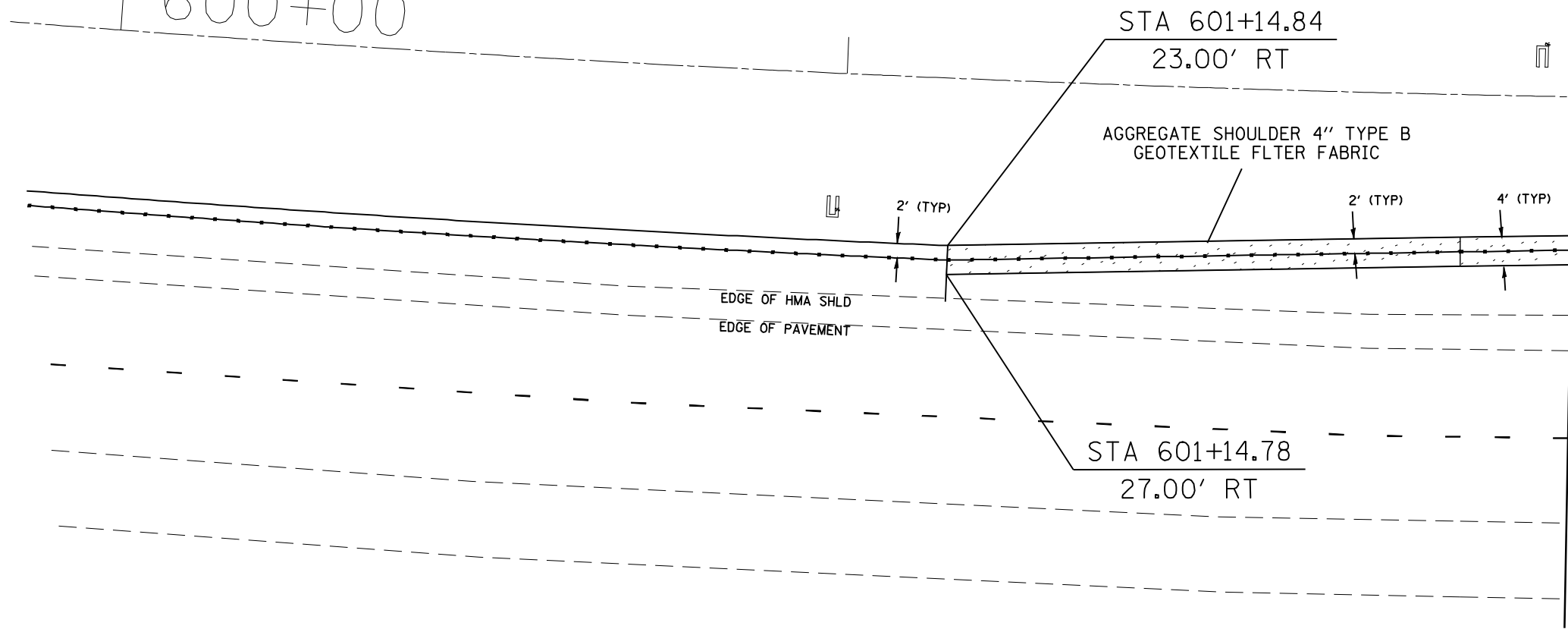
NOTES:

1. POSTS SHALL BE DRIVEN, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.

NOT TO SCALE

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	DATE - 04/10/09	REVISED -	* DE CARI E/GIARDRAII 2010										

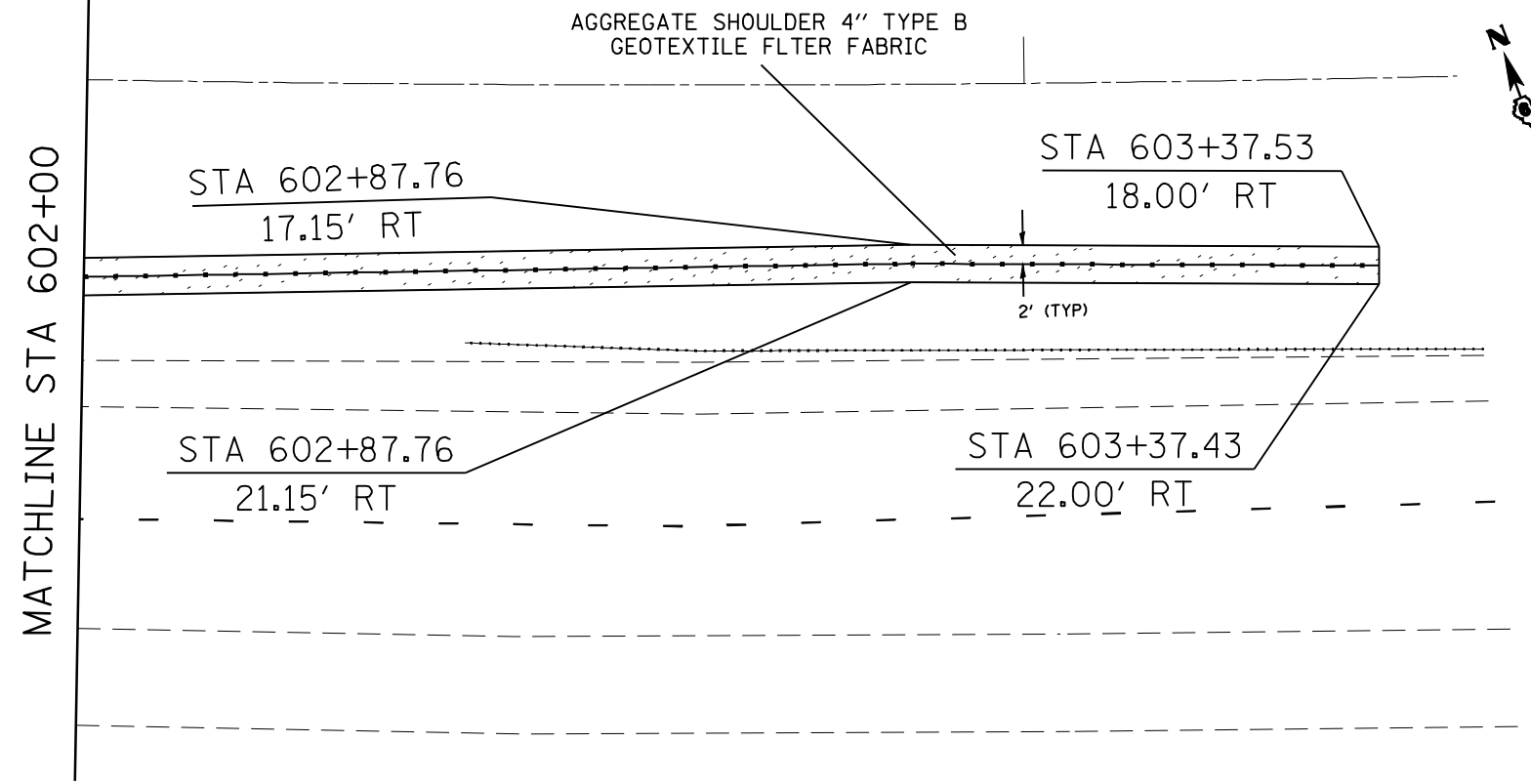
1 600+00



RT. STA 601+15.00 TO RT. STA 603+37.50

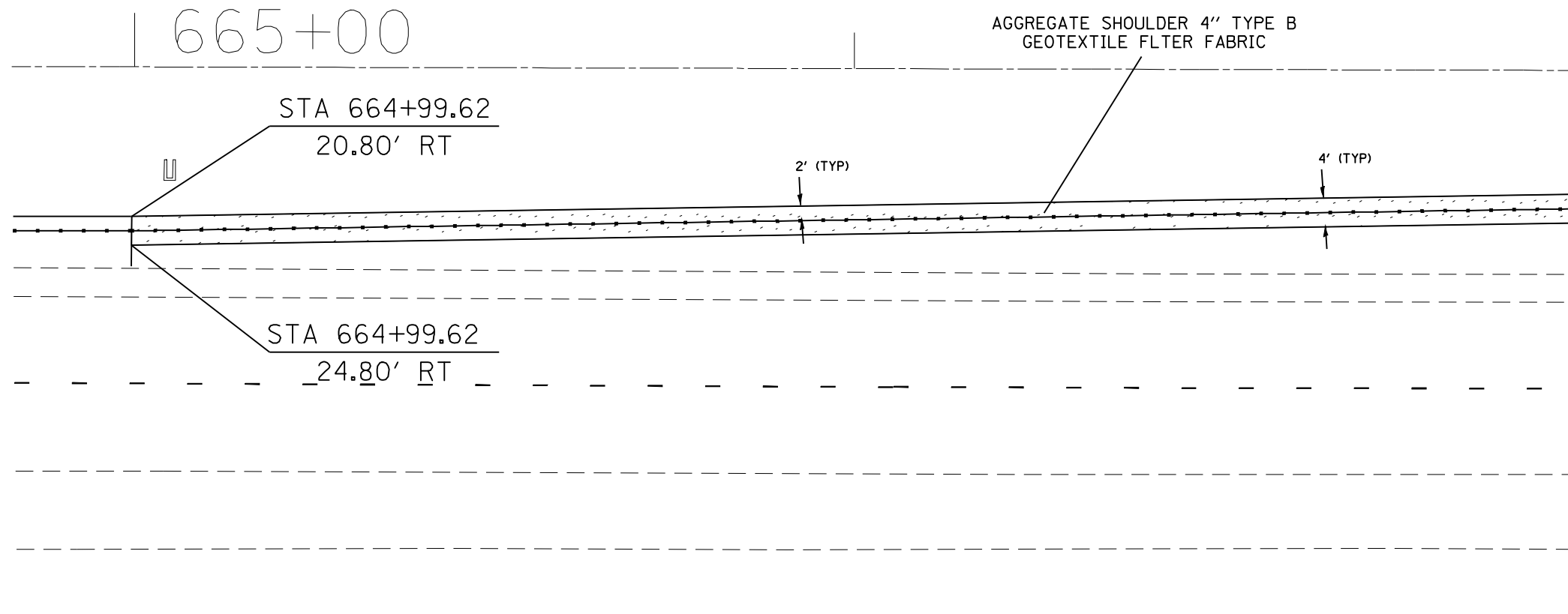
- NOTES:
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 2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.
- NOT TO SCALE

RT. STA 601+15.00 TO RT. STA 603+37.50



- NOTES:
1. POSTS SHALL BE DRIVEN, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.
- NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH TENSION CABLE BARRIER DETAIL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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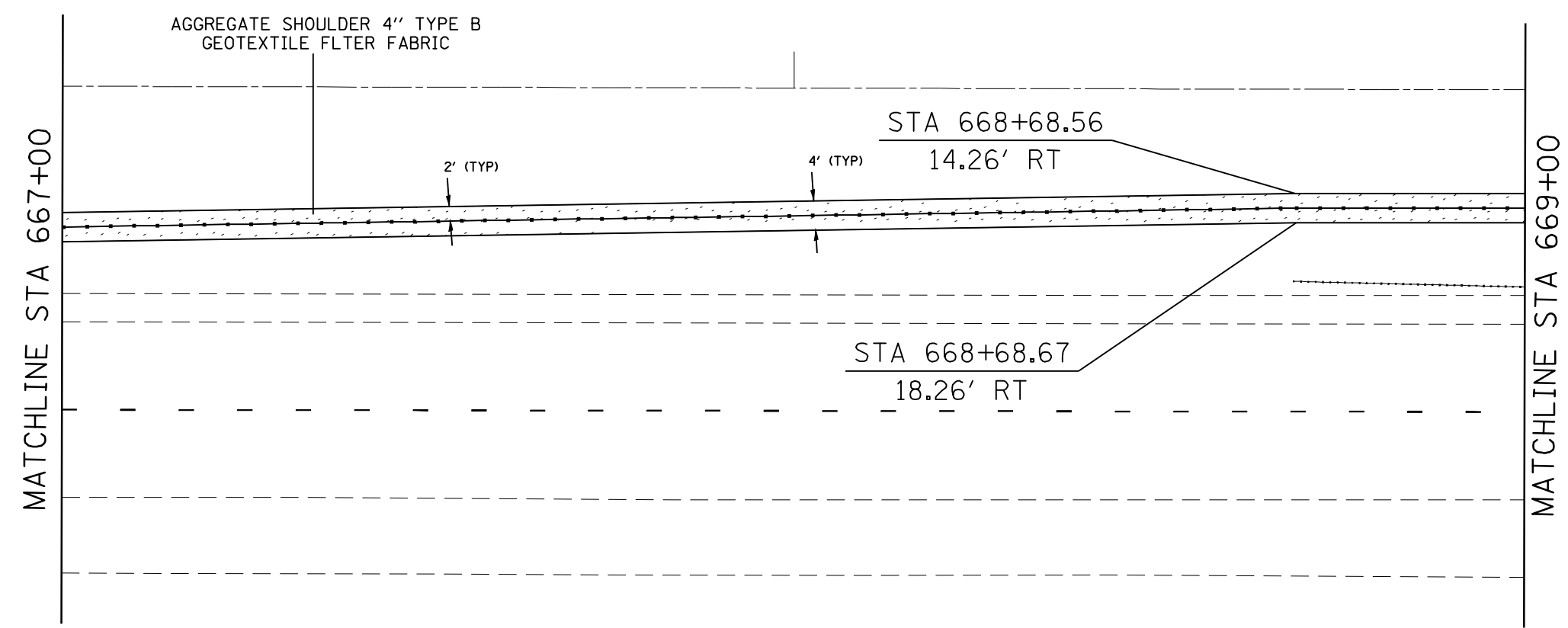


RT. STA 665+00.00 TO RT. STA 669+54.33

NOTES:

1. POSTS SHALL BE DRIVEN, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.

NOT TO SCALE



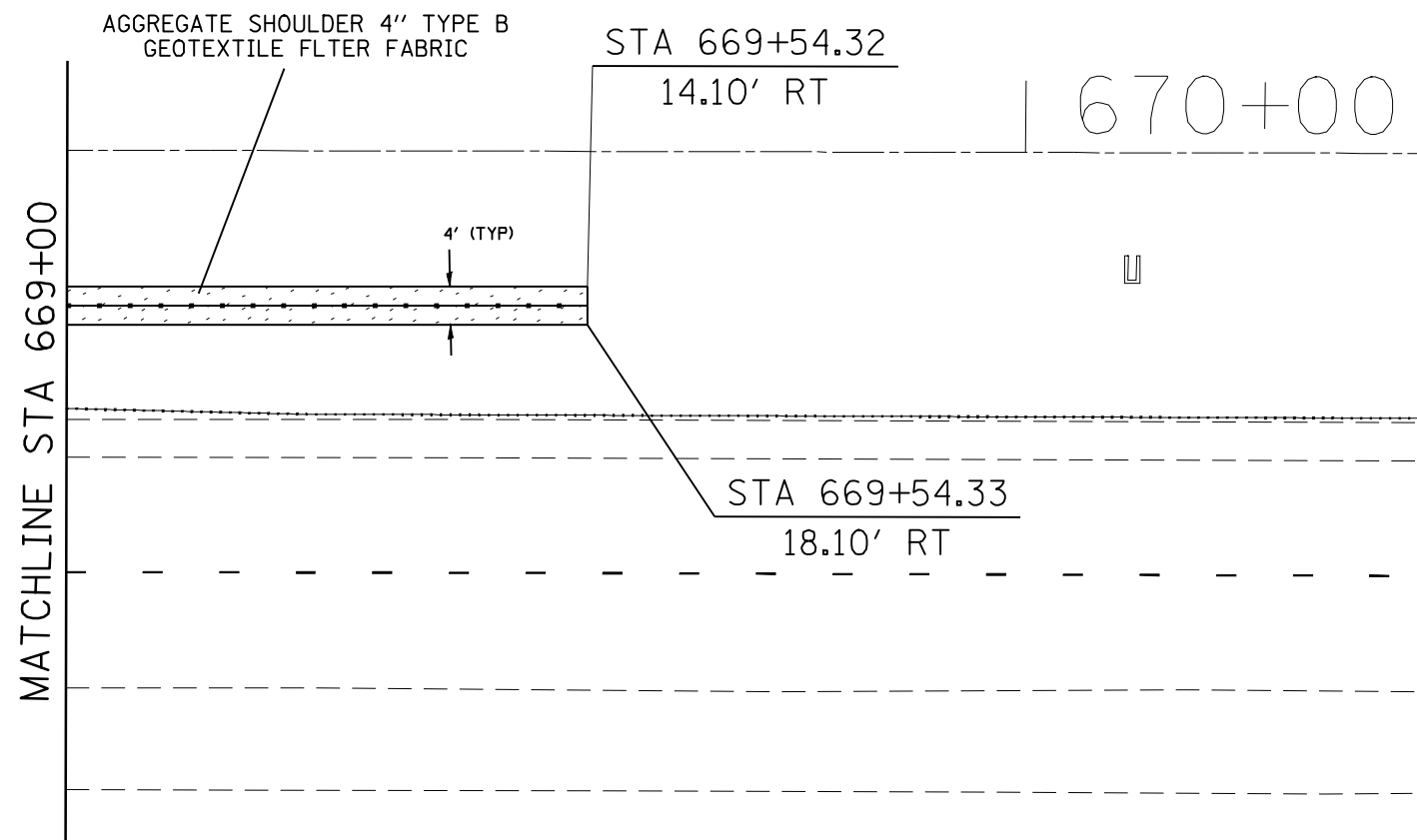
RT. STA 665+00.00 TO RT. STA 669+54.33

NOTES:

1. POSTS SHALL BE DRIVEN, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. POST SPACING MAY BE ALTERED TO AVOID DRAINAGE STRUCTURES OR OTHER OBSTACLES.

NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH TENSION CABLE BARRIER DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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										CONTRACT NO. 72C77			
										ILLINOIS FED. AID PROJECT			

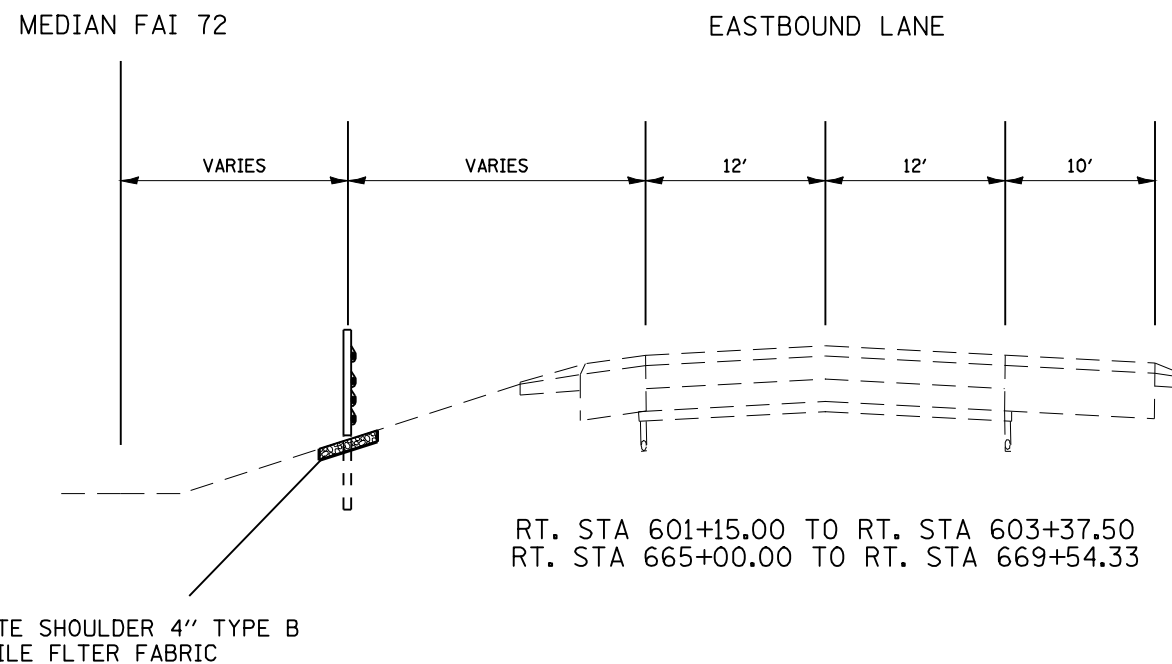


RT. STA 665+00.00 TO RT. STA 669+54.33

NOTES:

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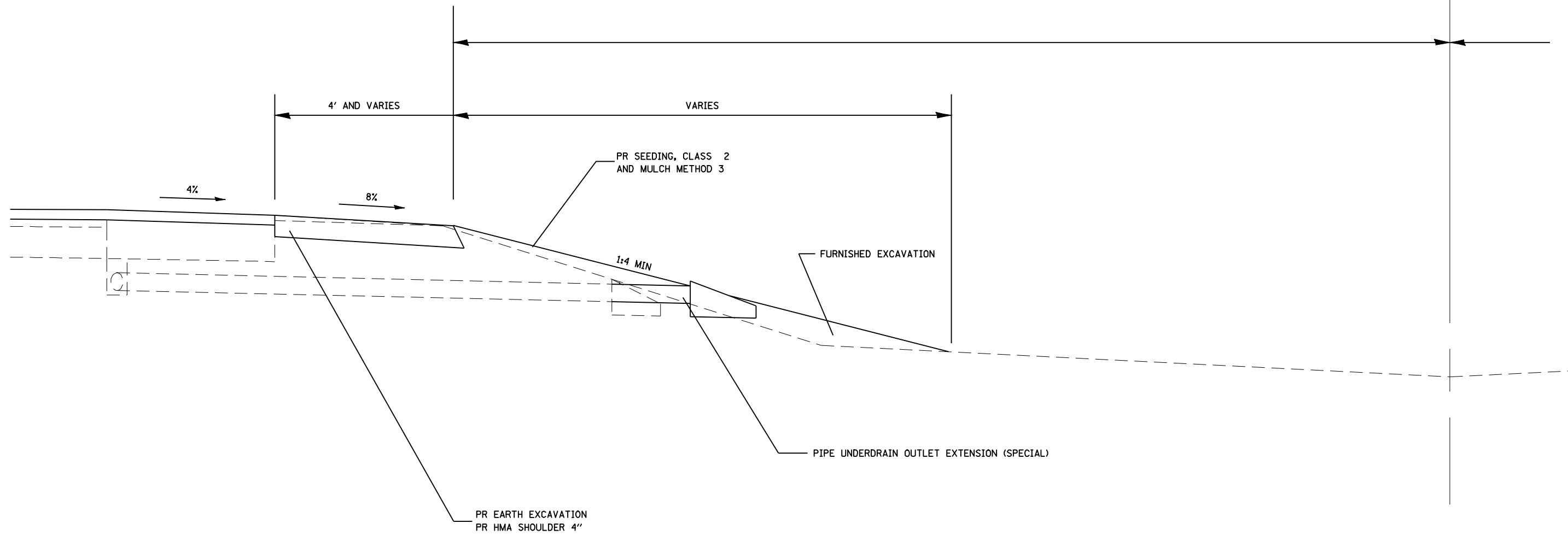
NOT TO SCALE



RT. STA 601+15.00 TO RT. STA 603+37.50
RT. STA 665+00.00 TO RT. STA 669+54.33

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☉ I-72

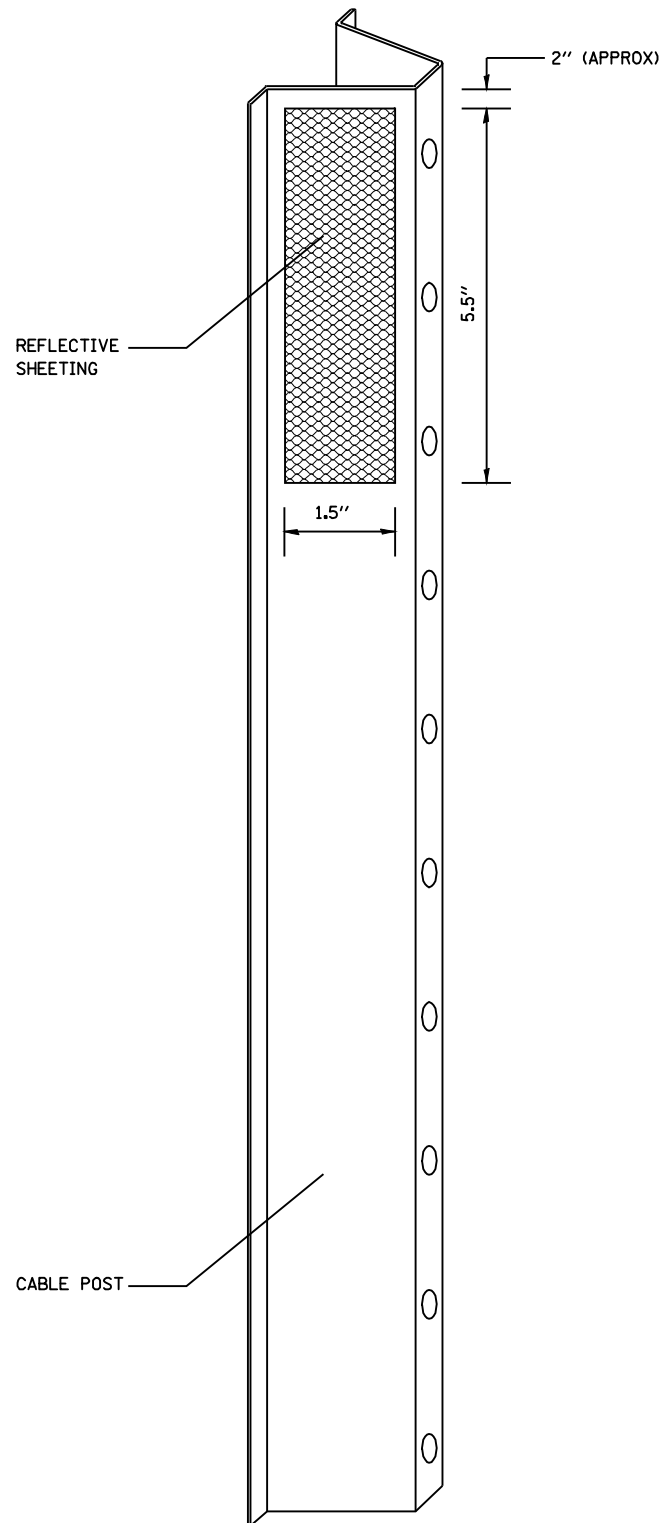
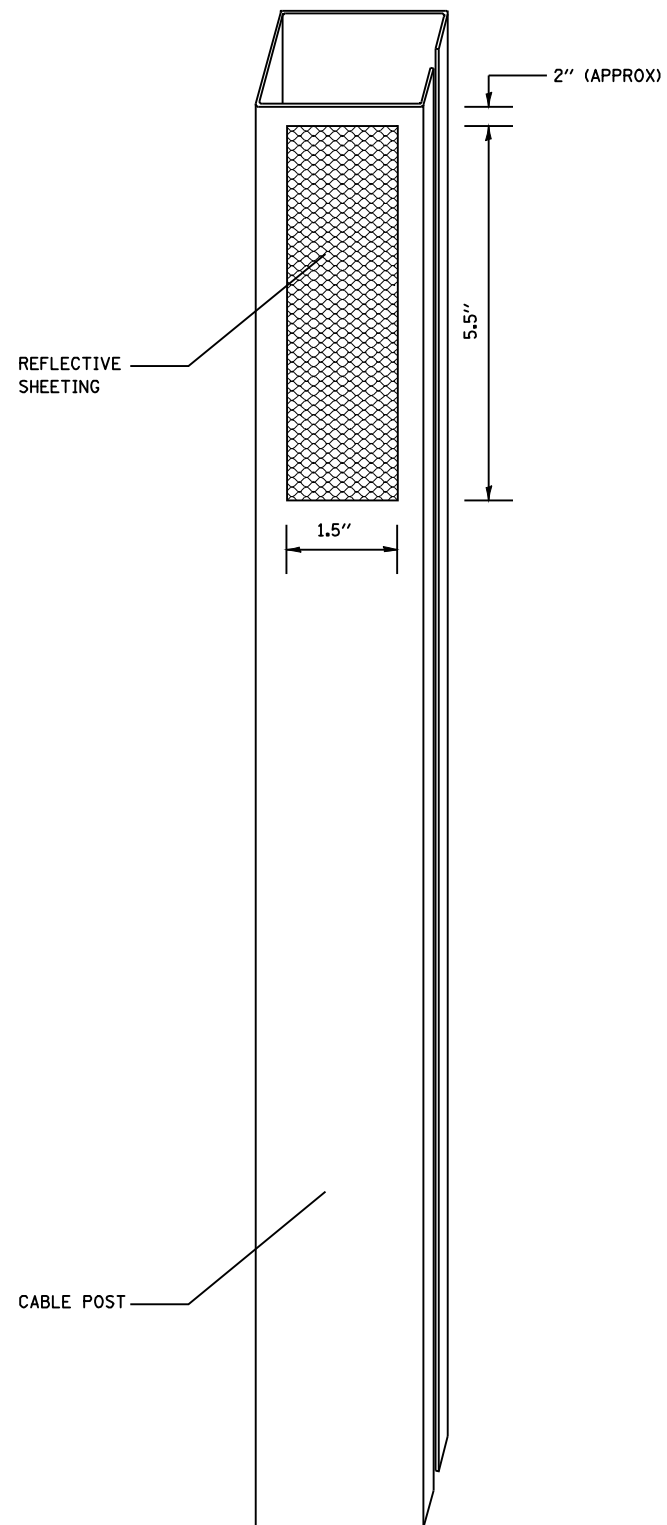


NOTES:

1. EXCAVATION FOR THE HMA SHOULDER WILL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION".
2. LOCATIONS THAT REQUIRE ADDITION FILL TO PROVIDE A MINIMUM 1:4 FORSLOPE WILL BE PAID FOR AS "FURNISHED EXCAVATION".
3. EXISTING PIPE UNDERDRAIN STRUCTURES SHALL BE ADJUSTED TO MATCH THE PROPOSED SLOPE, AND WILL BE PAID AS "PIPE UNDERDRAIN OUTLET EXTENSION (SPECIAL)".

NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH TENSION CABLE BARRIER DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\work\PWIDOT\LAUGHLINRL\0128581\072C77-sh1-details.dgn		DRAWN - BKL	REVISED -		72	*	SANGAMON	100	32			
PLOT SCALE = 100.0000' / IN.		CHECKED - JPM	REVISED -		CONTRACT NO. 72C77							
PLOT DATE = May-07-2009 08:19:57AM		DATE - 04/10/09	REVISED -		SCALE: N.A.	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



NOTES:

MATERIAL: THE MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 1090 AND 1091 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION REQUIREMENTS: THE REFLECTIVE SHEETING SHALL BE INSTALLED DIRECTLY ON THE CABLE POSTS. THE REFLECTIVE SHEETING SHALL BE INSTALLED AS SHOWN IN THE PLANS, ON EVERY OTHER POST (IN ORDER TO PROVIDE A SPACING OF 40'). THE SURFACE OF THE POST SHALL BE CLEANED OF ALL CONTAMINANTS PRIOR TO THE INSTALLATION OF THE REFLECTIVE SHEETING. THE SURFACE SHALL BE CLEANED USING A 5-8 PERCENT PHOSPHORIC ACID SOLUTION AND RINSED WITH CLEAN WATER OR AS RECOMMENDED BY THE MANUFACTURER OF THE REFLECTIVE SHEETING AND AS APPROVED BY THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CABLE GUARD MARKER.

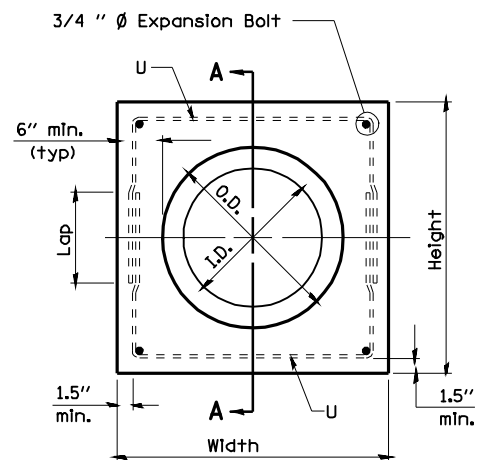
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

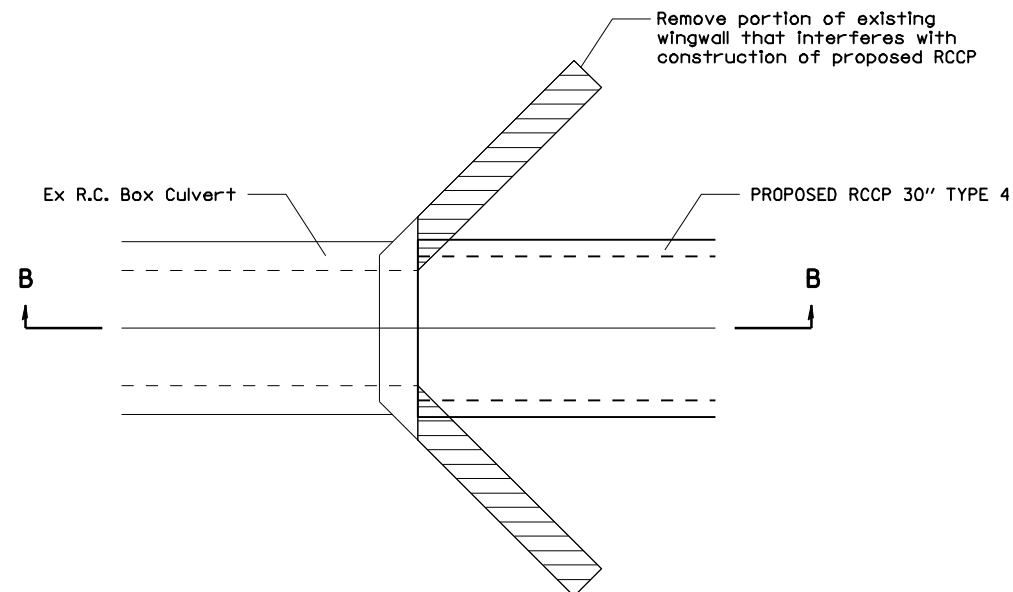
HIGH TENSION CABLE BARRIER DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	



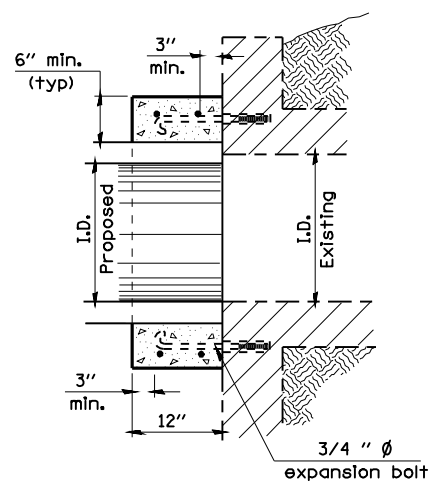
PIPE CULVERT EXTENSION COLLAR



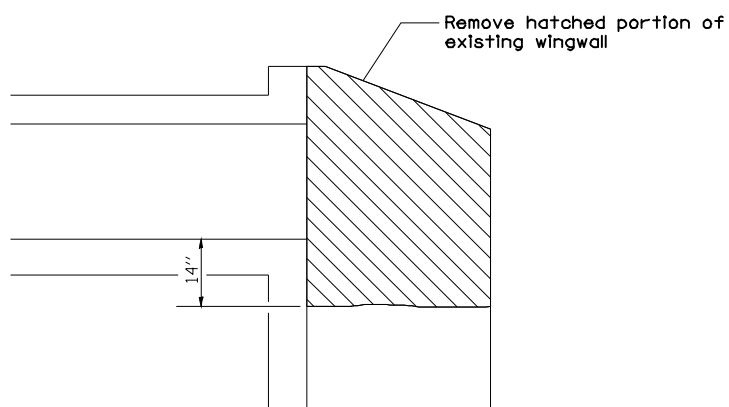
CONCRETE REMOVAL PLAN



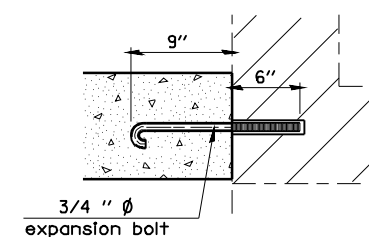
#4 U - bar



Section A - A



SECTION B-B



Expansion Bolt Detail

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS

H or S	No. Expansion Bolts Req'd. Per Side			
	Extension ≤ 15ft		Extension > 15ft	
	No.	Spacing	No.	Spacing
24"	*	*	*	*
30"	2	18"	2	18"
36"	2	24"	2	24"
48"	3	18"	3	18"
60"	4	16"	3	24"
72"	5	15"	4	20"
84"	5	18"	4	24"
96"	6	17"	5	21"
108"	6	19"	5	24"
120"	7	18"	6	21"
132"	8	17"	6	24"
144"	8	19"	7	22"

Note: Number of expansion bolts in table based on non-skewed culverts.

* Use minimum 1 (one) expansion bolt in each corner.

Notes:

- Expansion bolts shall consist of self drilling expansion shields and 3/4 inch diameter hooked bolts. Hooked bolts shall extend a minimum of 9 inches into new concrete. Minimum Certified Proof Load - 4,080 lbs.
- Use minimum of 1 (one) expansion bolt at each corner.
- The "CONCRETE COLLAR" is paid for as an each item.
- All "Reinforcement Bars" and "Concrete Removal" is included in the "CONCRETE COLLAR" pay item.

Station	Skew	Existing Culvert		Proposed Culvert		Collar		Reinforcement Bars					Expansion Bolts 3/4 "	Class SI Concrete Collar cu yd	
		Size	I.D.	O.D.	Height	Width	No.	Size	A	B	Lap	Length			lb
662+00 (EB-72)	NONE	2' x 2'	30"	37"	4'-1"	4'-1"	4	#4	3'-10"	2'-9"	1'-8"	9'-4"	30	8	0.34

STORM WATER POLLUTION PREVENTION PLAN

Route: FAI 72 Marked: I-72
 Section: D-6 CABLE/GUARDRAIL 2010 Project No.:
 County: SANGAMON Contract No.: 72C77

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10_____ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Roger L. Driskell
 (Signature) 5/6/07
 (Date)

Resident Engineer
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of installing High Tension Cable Barrier on I-72 beginning approximately 0.5 miles west of the I-72/IL 4 interchange running eastward terminating approximately 500 feet west of the I-72/6th Street Interchange.
2. Construction consists of Earth Excavation, placing Furnished Excavation, HMA Shoulder, High Tension Cable Barrier and Steel Plate Beam Guardrail at various locations and miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. There is no tree removal located on project.
2. Furnished Excavation will be placed along the entire project. Inlet and Pipe protection shall be placed prior any earthwork being performed.
3. Earth Excavation will be completed after the embankment widening is constructed.
4. Cable Barrier will be installed after all earthwork and HMA Shoulders are completed.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be approx. _____ sq miles in which 42.4 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

FILE NAME = SWPPLAN.DGN	USER NAME = lmrnghambk	DESIGNED - BKL	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\p\work\PM\DOT\LANINGHAMBK\0128581\672C77-shr-eros-details.dgn		DRAWN - CADD	REVISED -		72	*	SANGAMON	100	35				
	PLOT SCALE = 100.0000' / IN.	CHECKED - JCN	REVISED -		CONTRACT NO. 72C77								
	PLOT DATE = May-06-2009 01:41:32PM	DATE - APRIL 5, 1999	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
				SCALE: SHEET NO. OF SHEETS STA. TO STA.				* D6 CABLE/GUARDRAIL 2010					

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - ii. Temporary seed highly erodible areas outside the construction slope limits
 - iii. Construct roadside ditches and provide temporary erosion control systems
 - iv. Temporary divert water around proposed culvert locations
 - v. Build necessary embankment at culvert locations and then excavate and place culvert
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

- (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.
- (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.
- (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 2200 Churchill Road, P.O. Box 19276
 Springfield, IL 62794-9276
 Attn: Compliance Assurance Section

FILE NAME = e:\pwork\pwork\LAUGHLIN\0128581\0672C77-ah-eros-details.dgn	USER NAME = laughlinr1	DESIGNED - BKL	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = May-07-2009 08:20:06AM	CHECKED - JCN	REVISED -						CONTRACT NO. 72C77				
		DATE - APRIL 5, 1999	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: _____ Marked: _____
 Section: _____ Project No.: _____
 County: _____ Contract No.: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

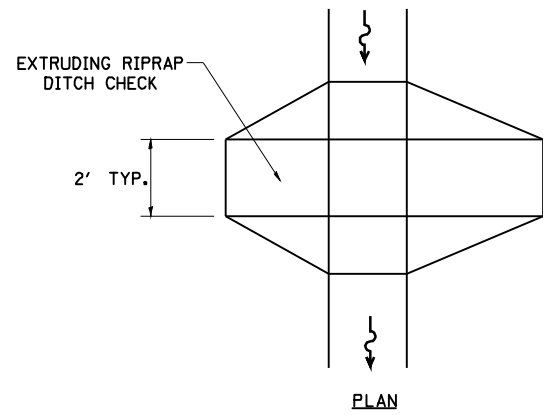
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

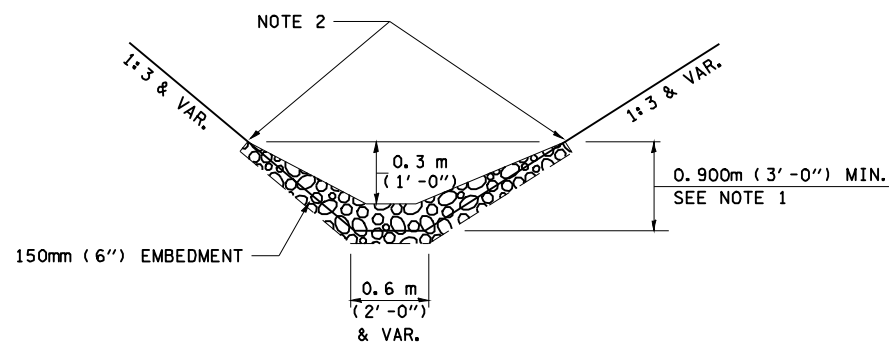
STORM WATER POLLUTION
PREVENTION PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72C77				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



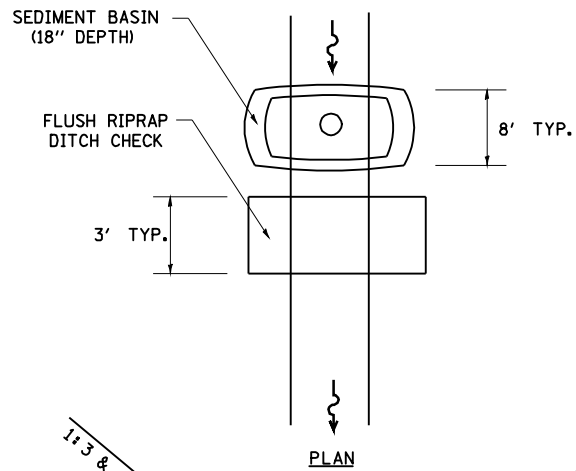
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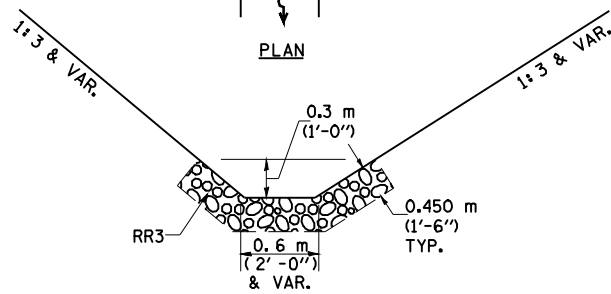
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL)	◆
STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')	◆
TEMPORARY DITCH CHECKS	◆
INLET PIPE PROTECTION (I&PP)	◆
EROSION CONTROL FENCE	~
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	○
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	▨
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	➔

GENERAL NOTES:

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

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		CHECKED - JCN	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

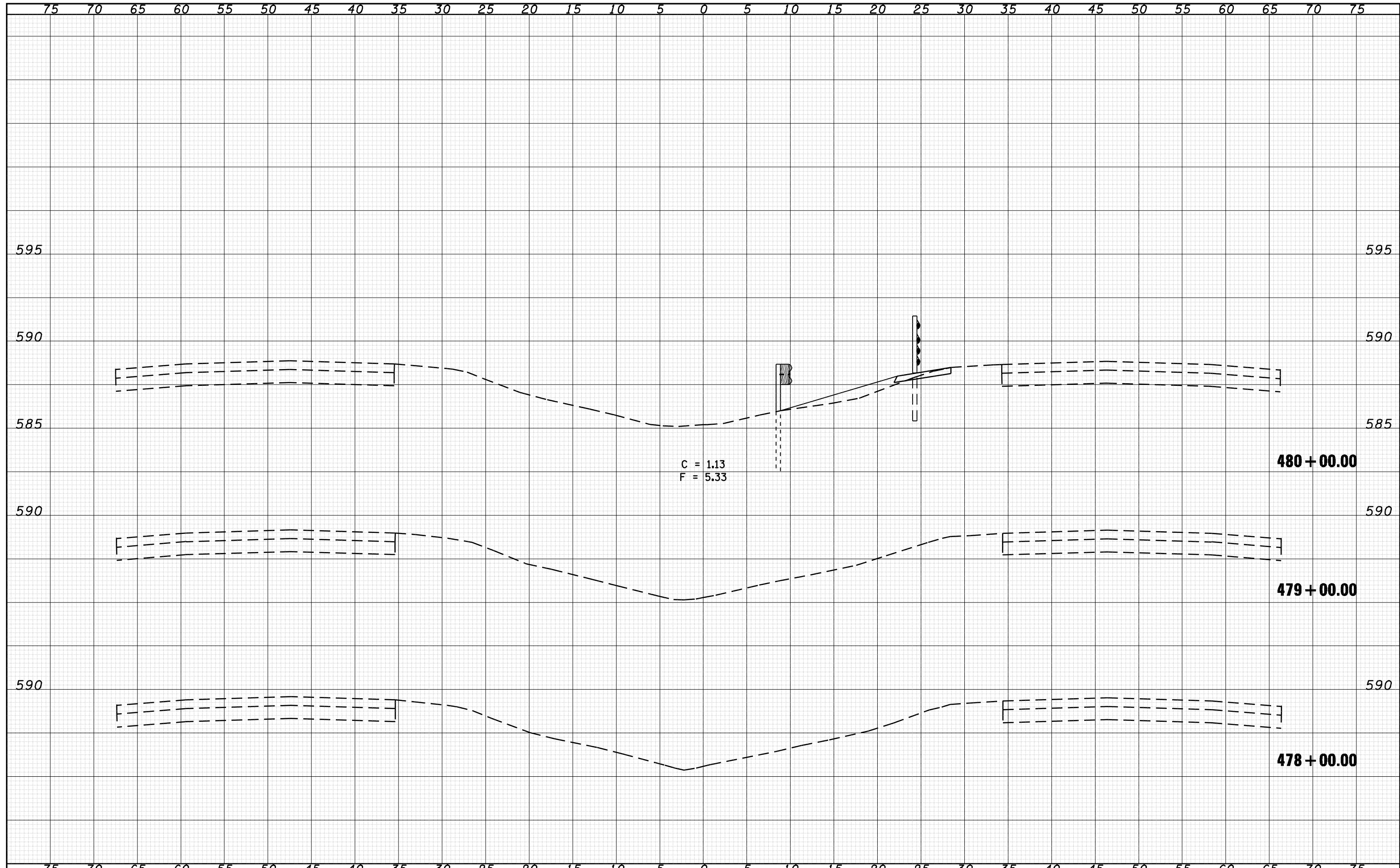
**STORM WATER POLLUTION
PREVENTION PLAN**

SCALE:	SHEET NO. OF SHEETS	STA. 72C77 TO STA. 72C77
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CONTRACT NO. 72C77				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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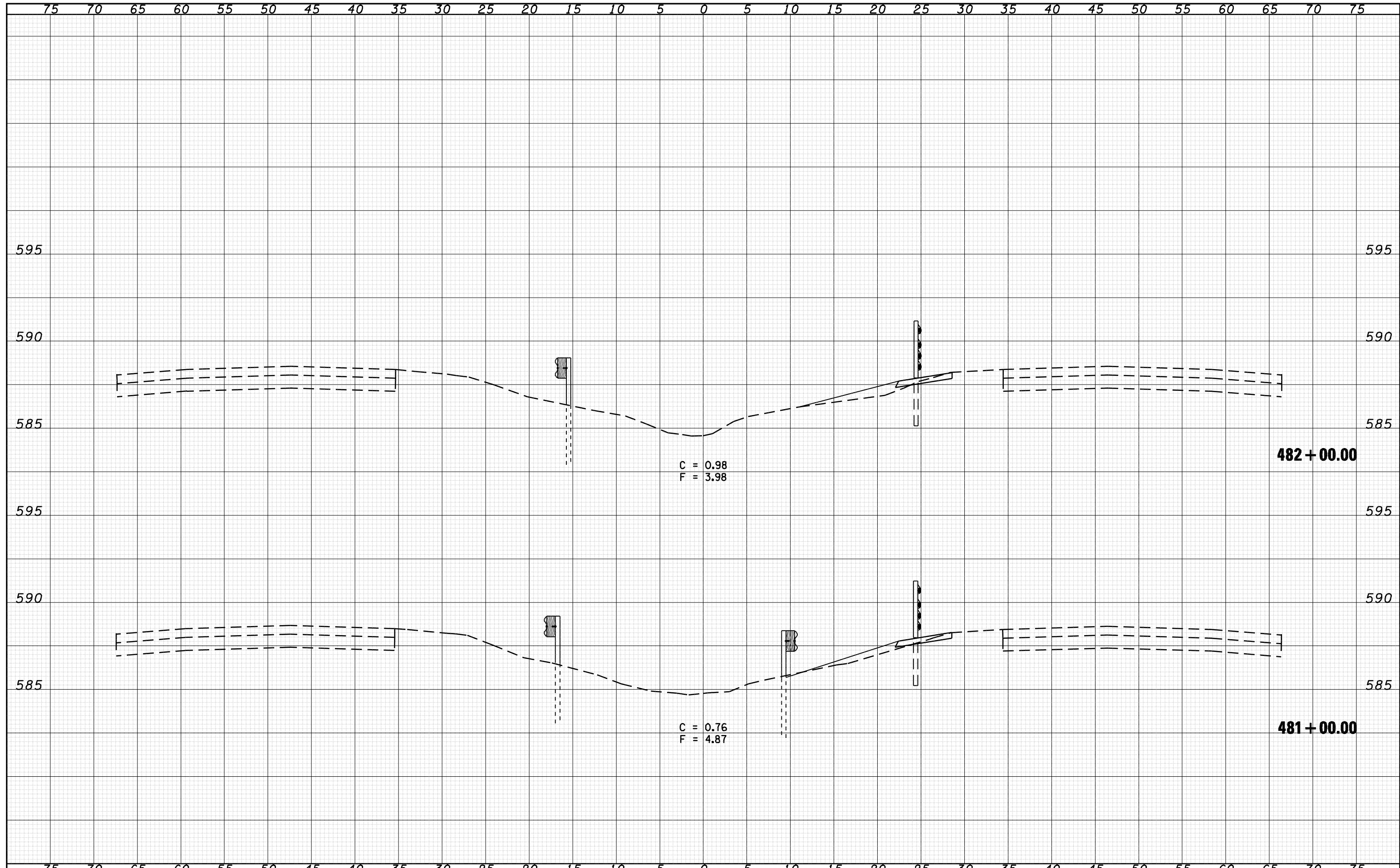
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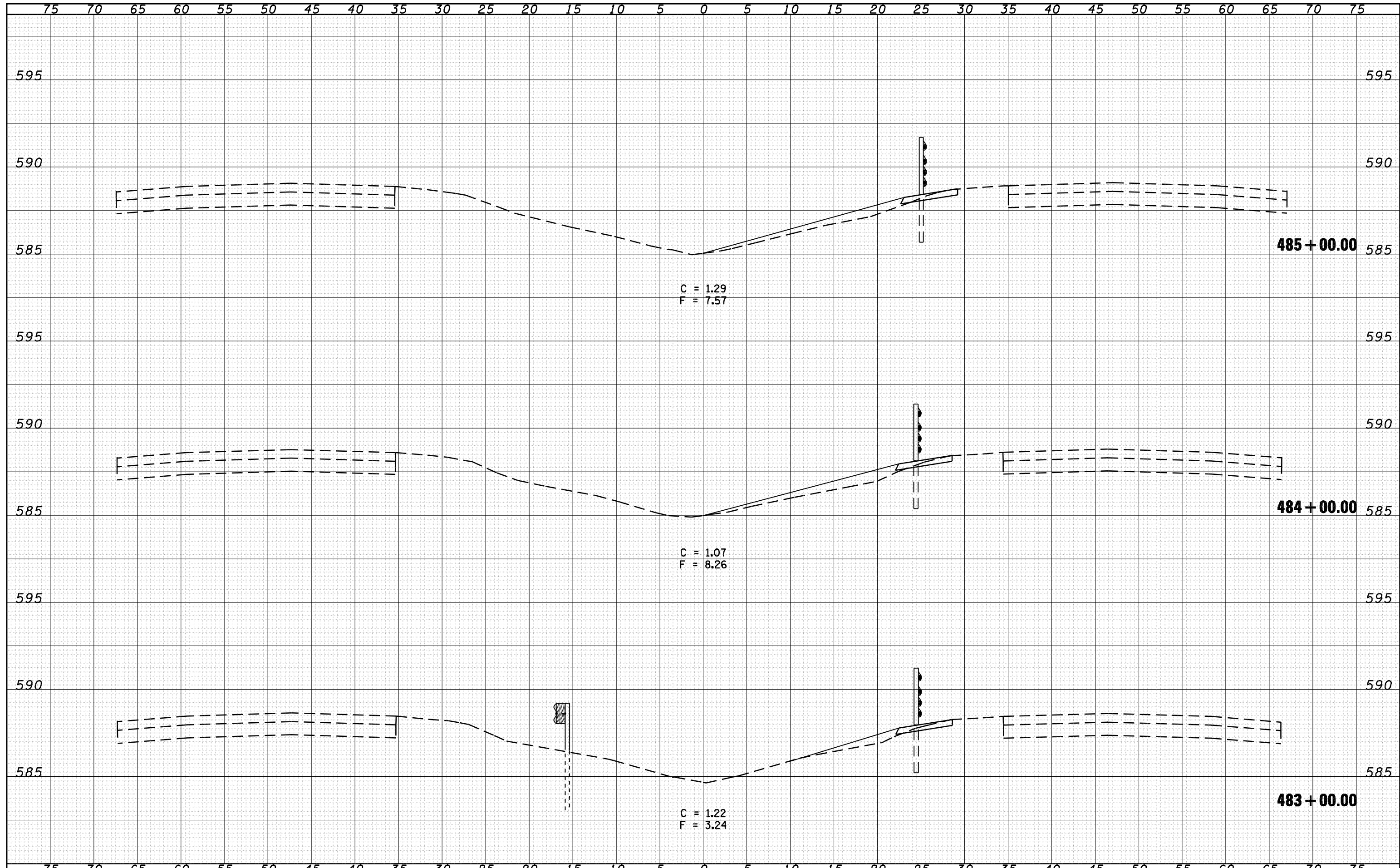
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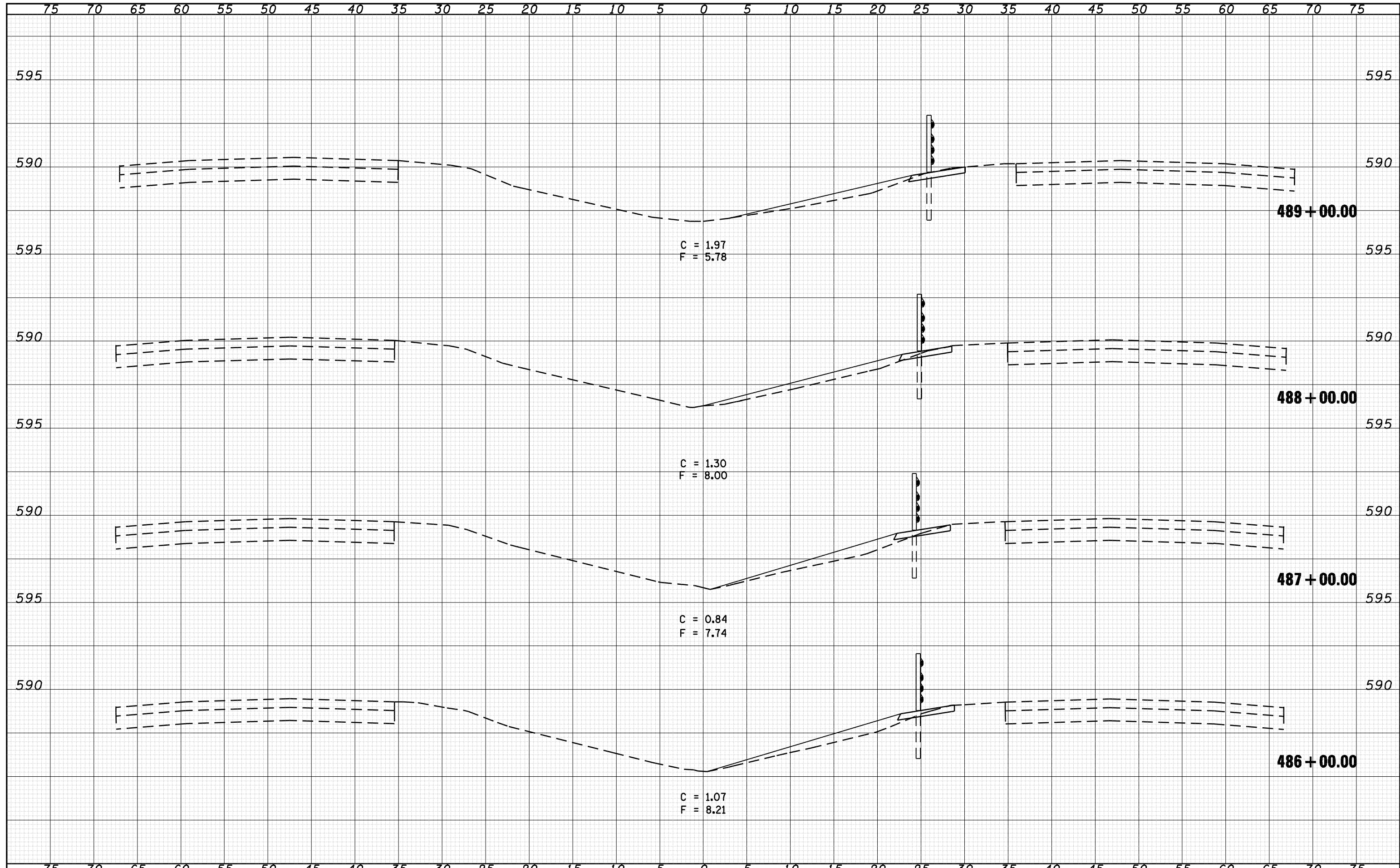
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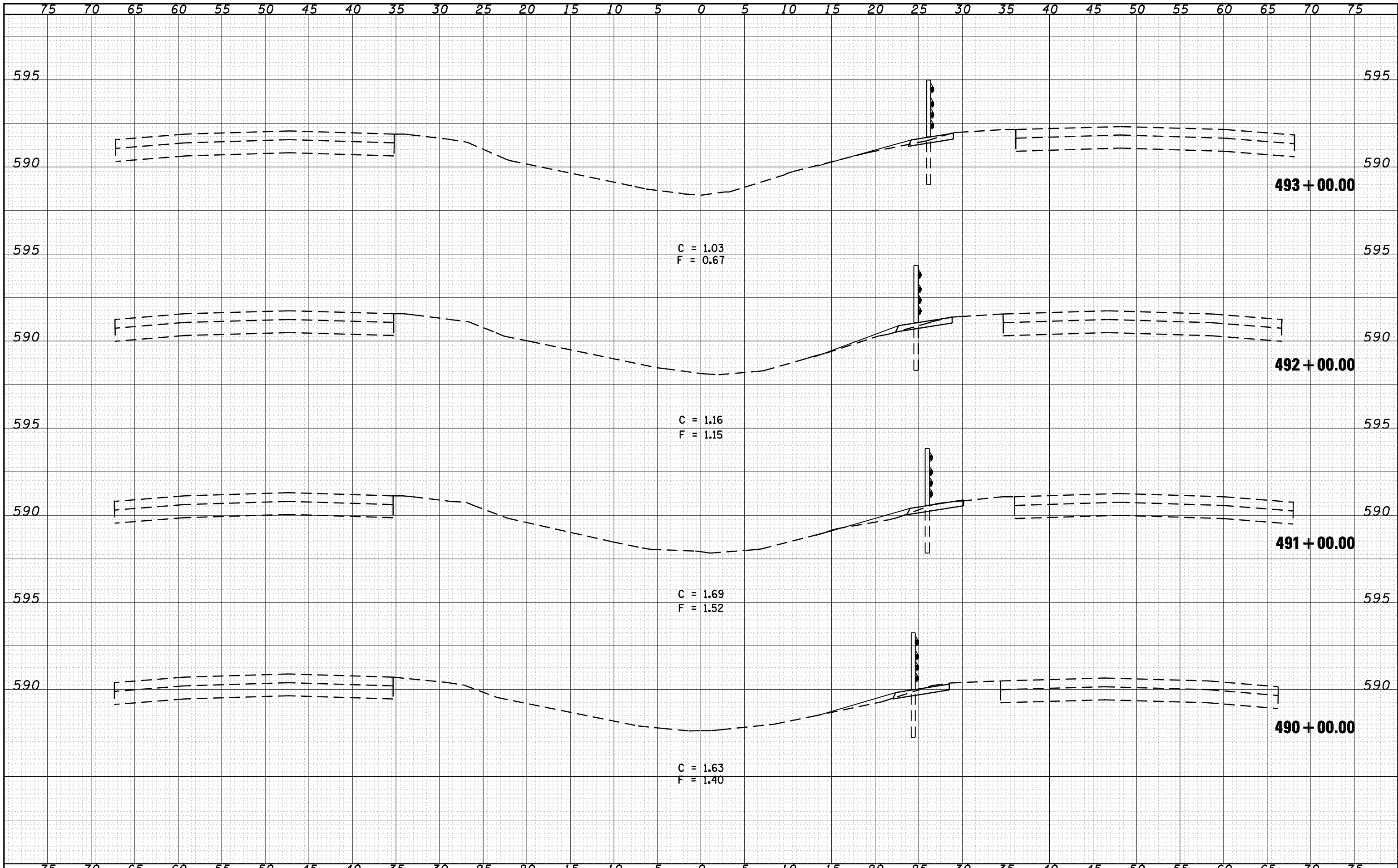
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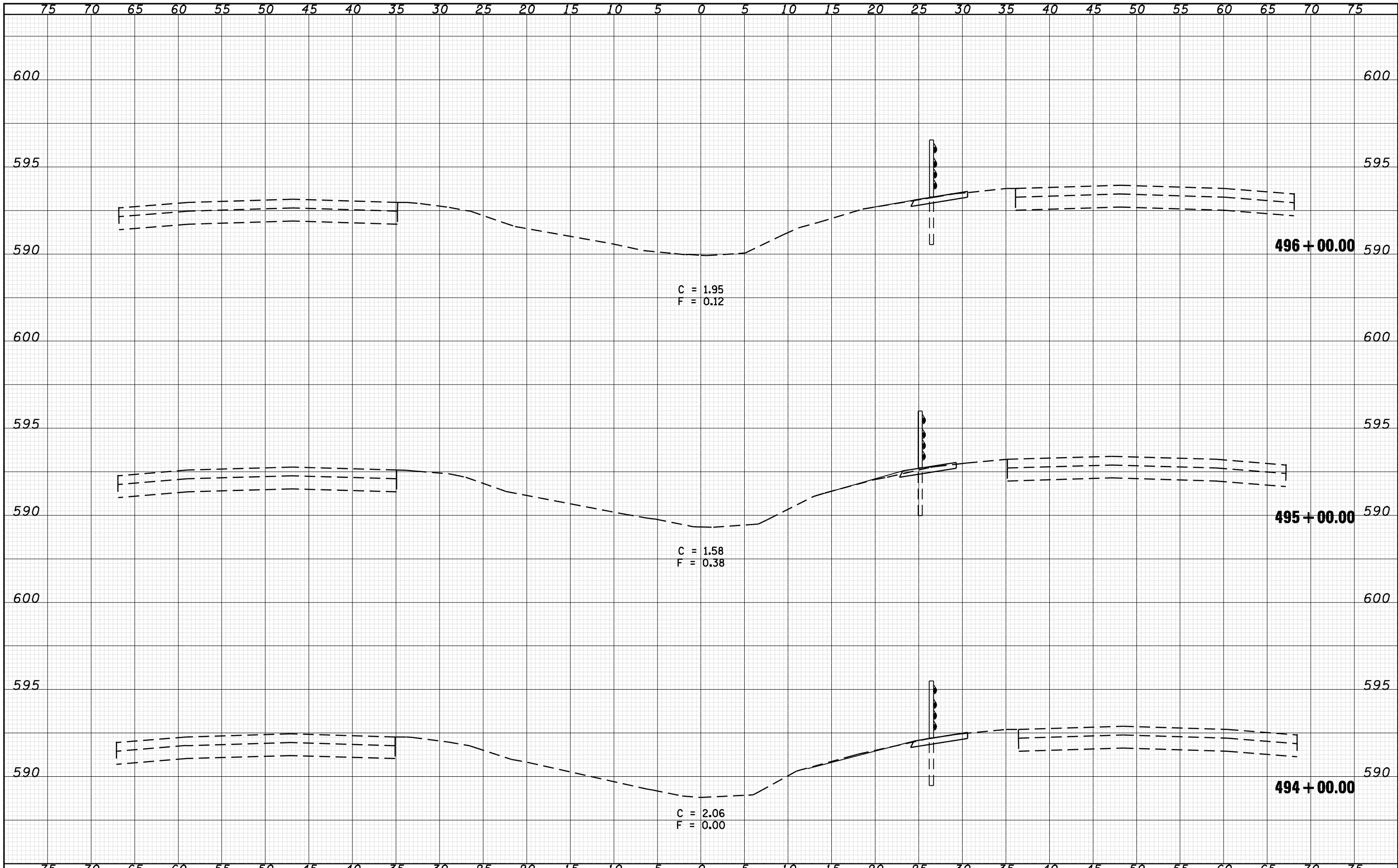
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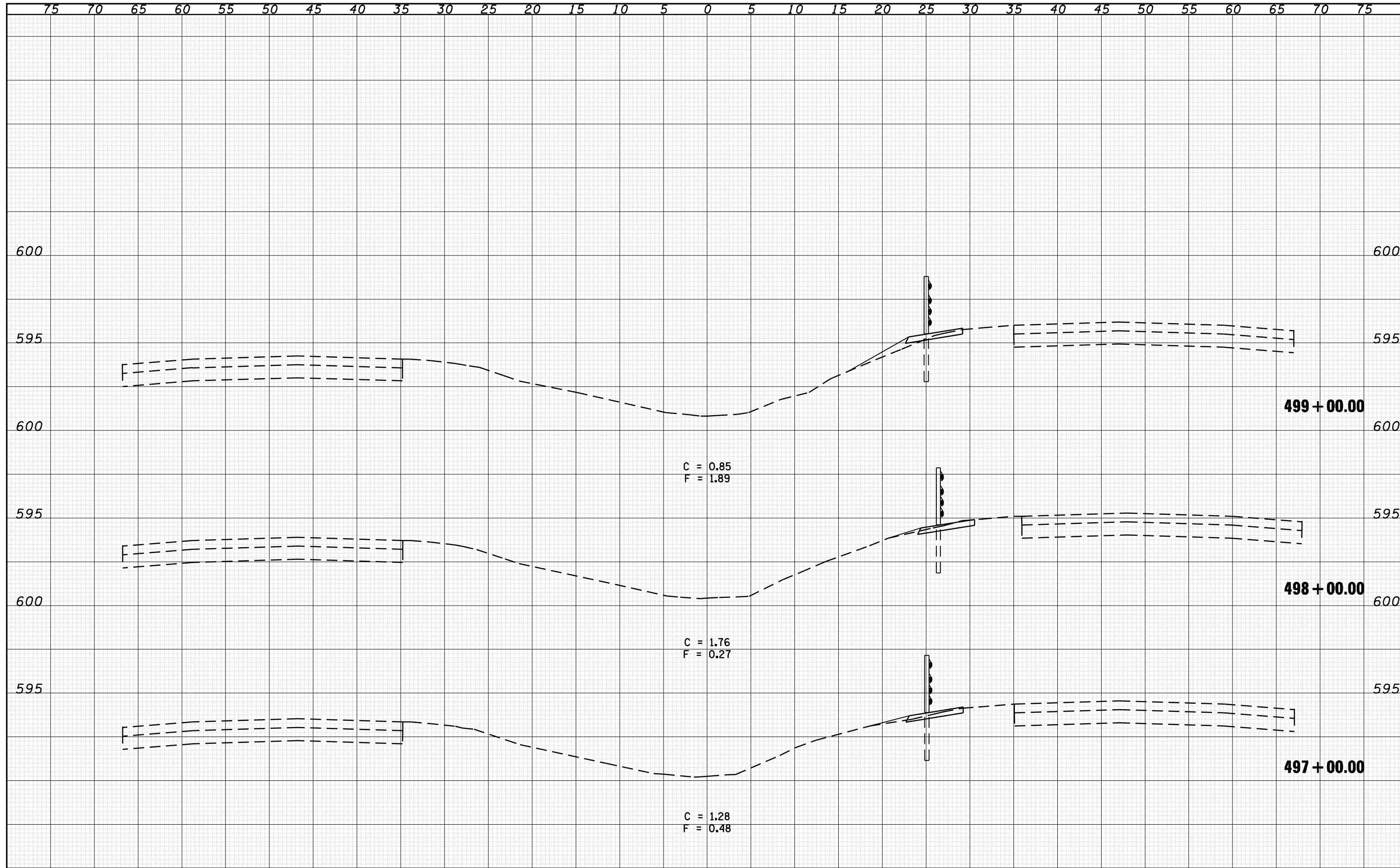
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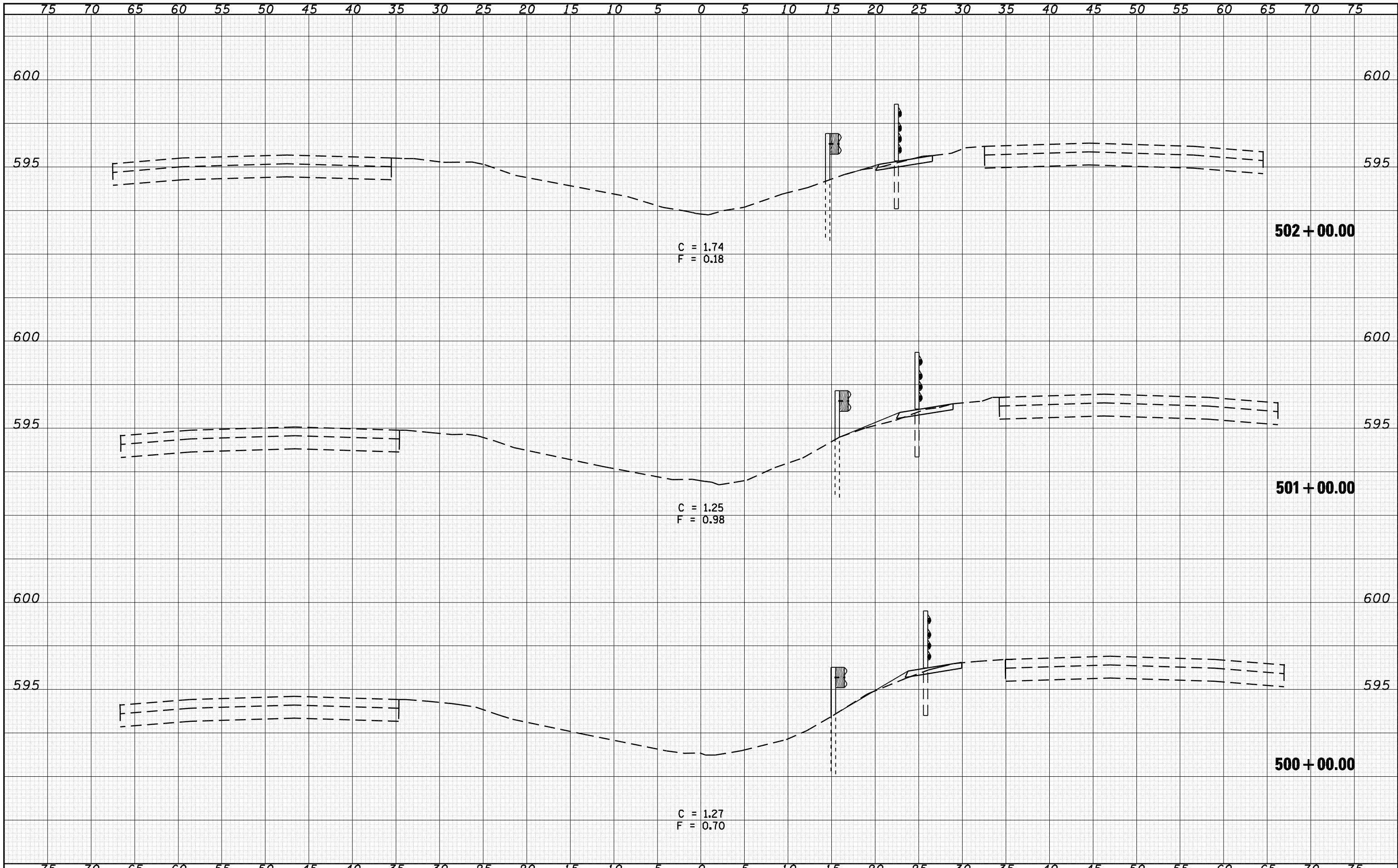
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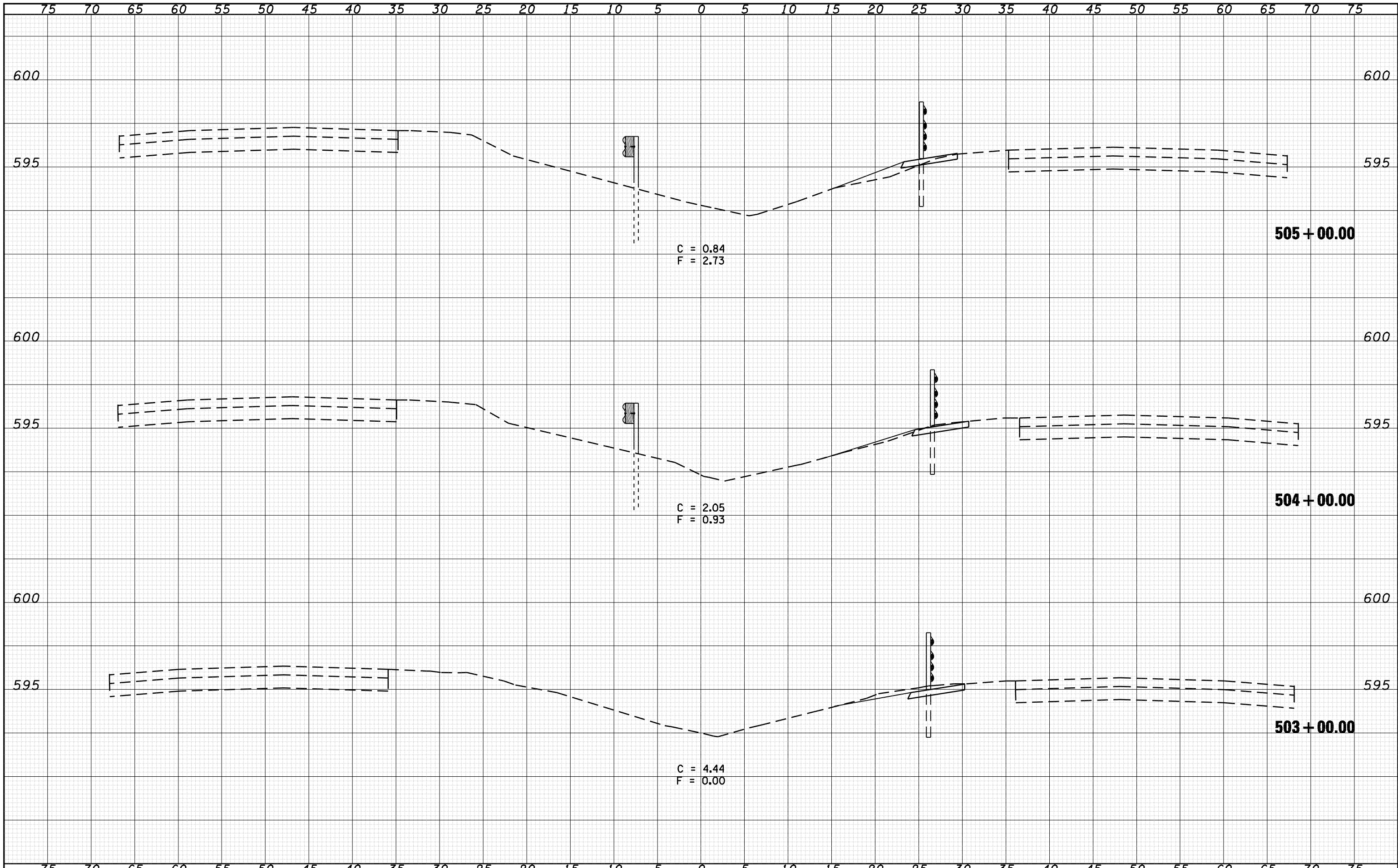
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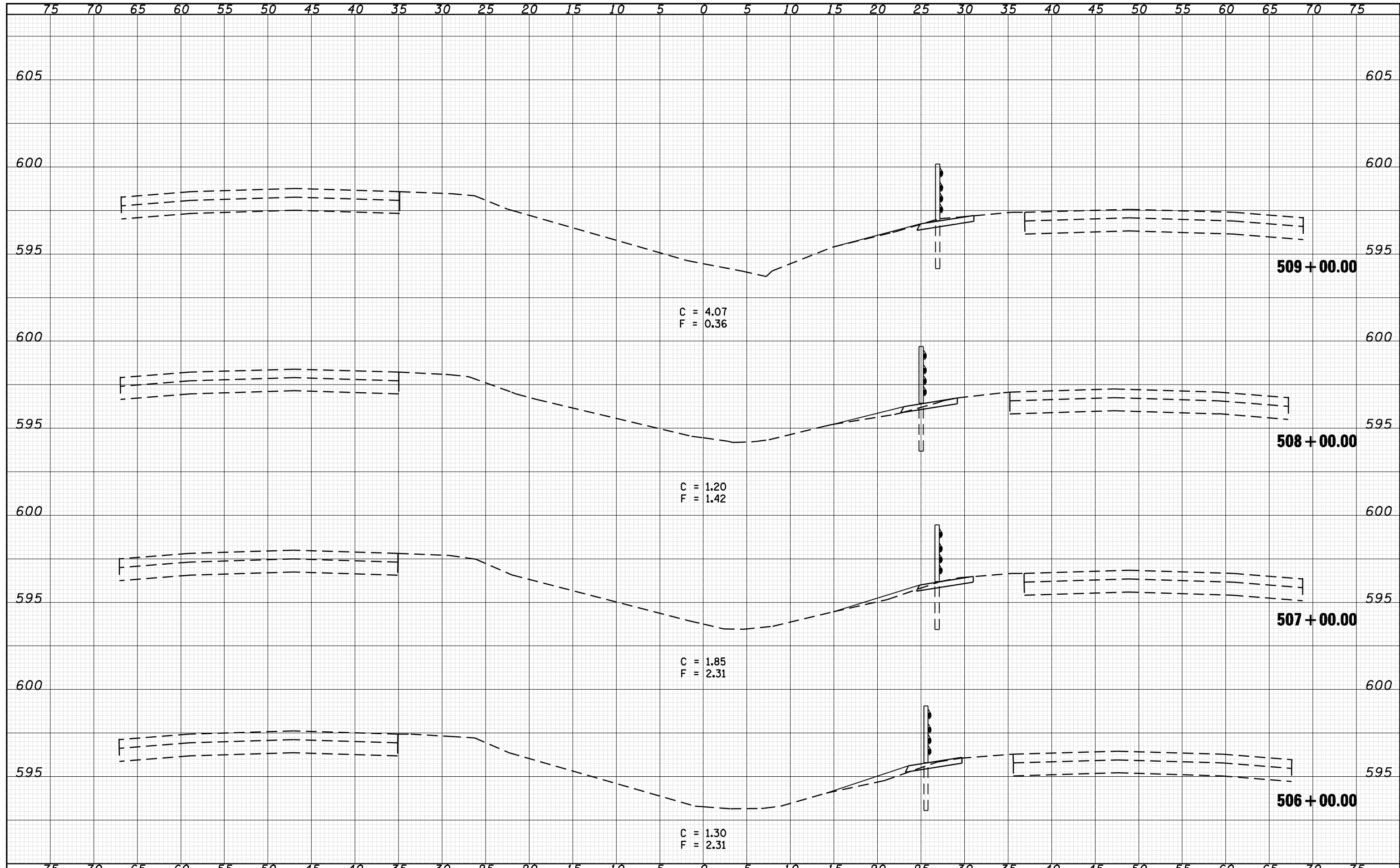
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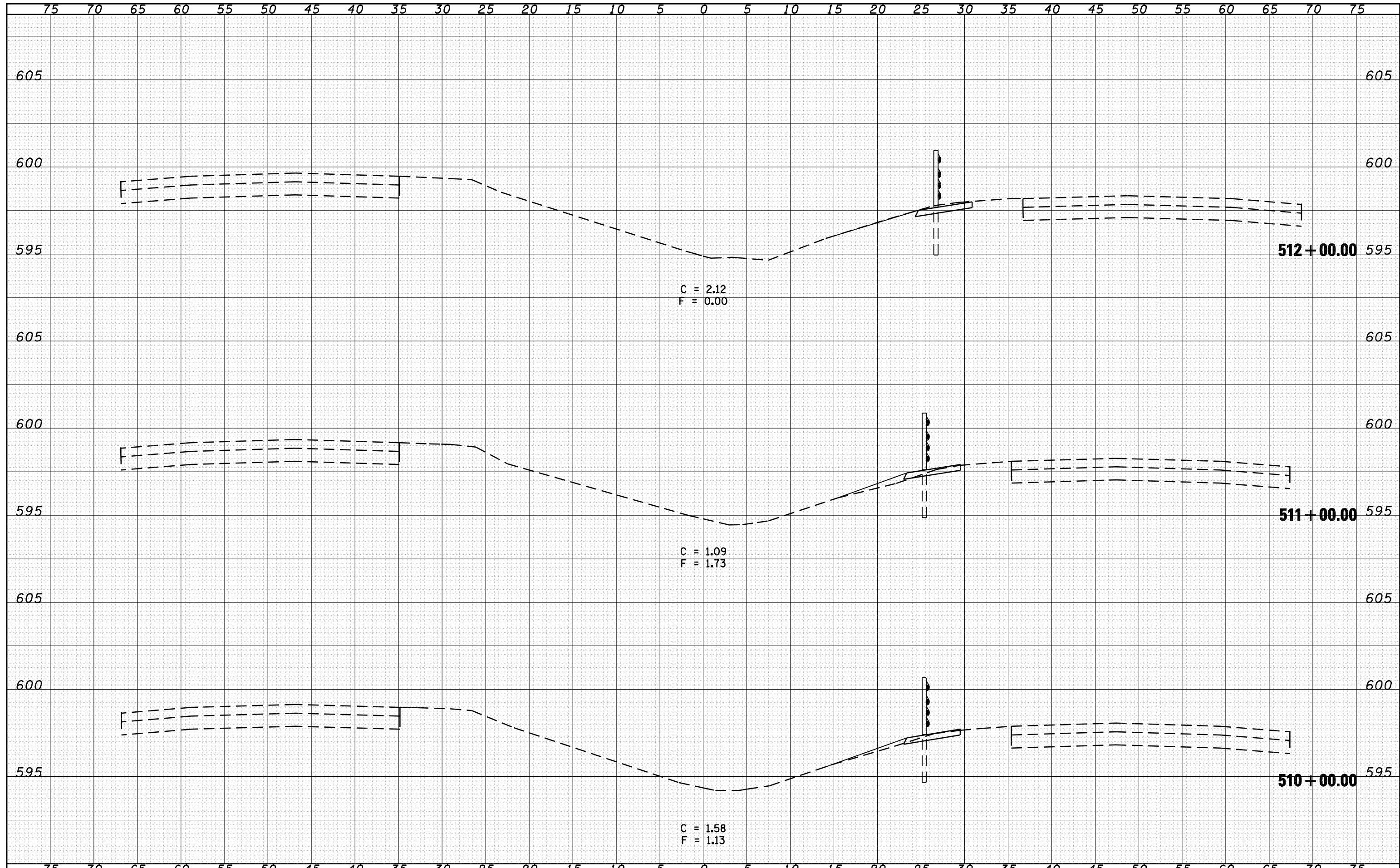
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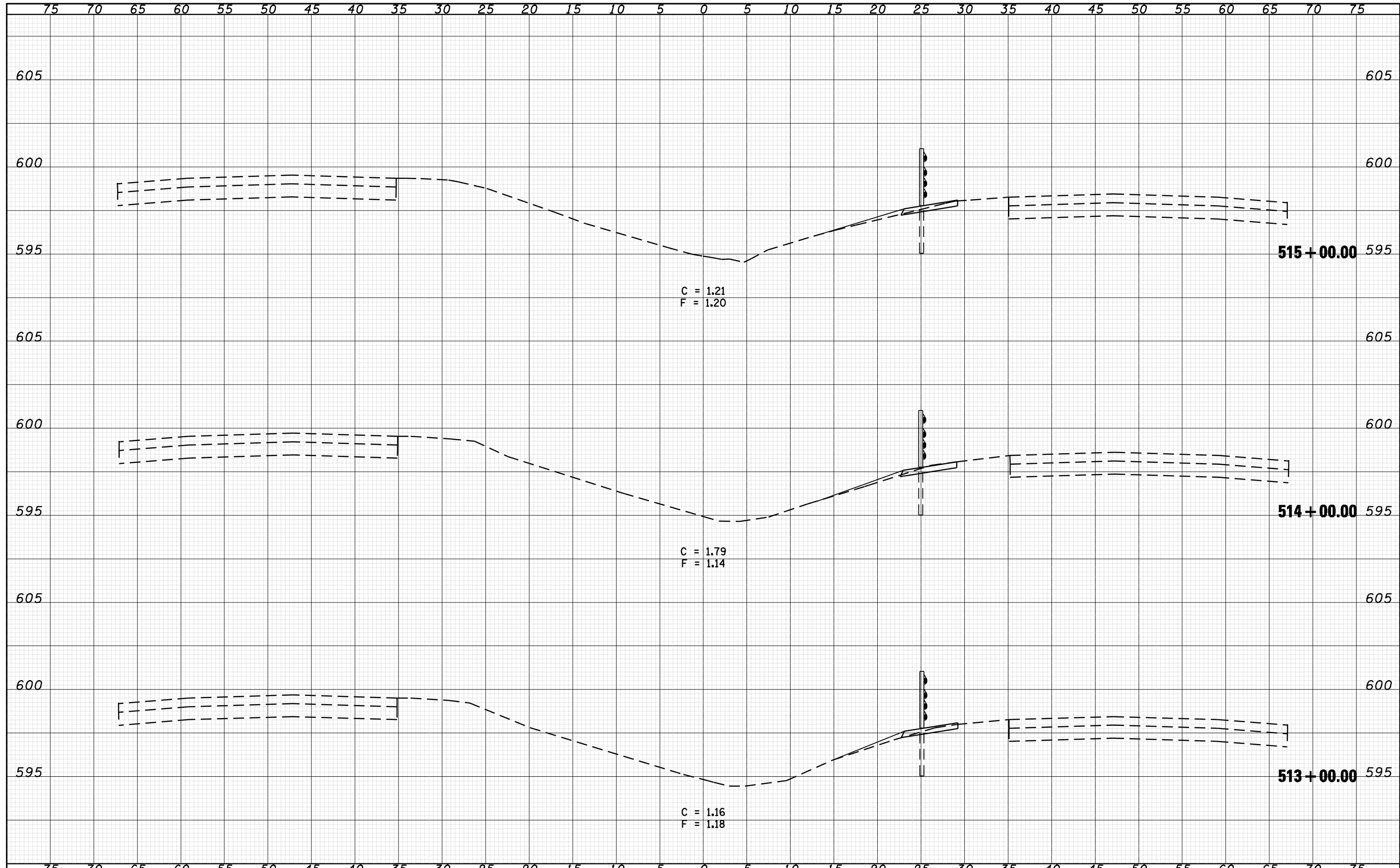
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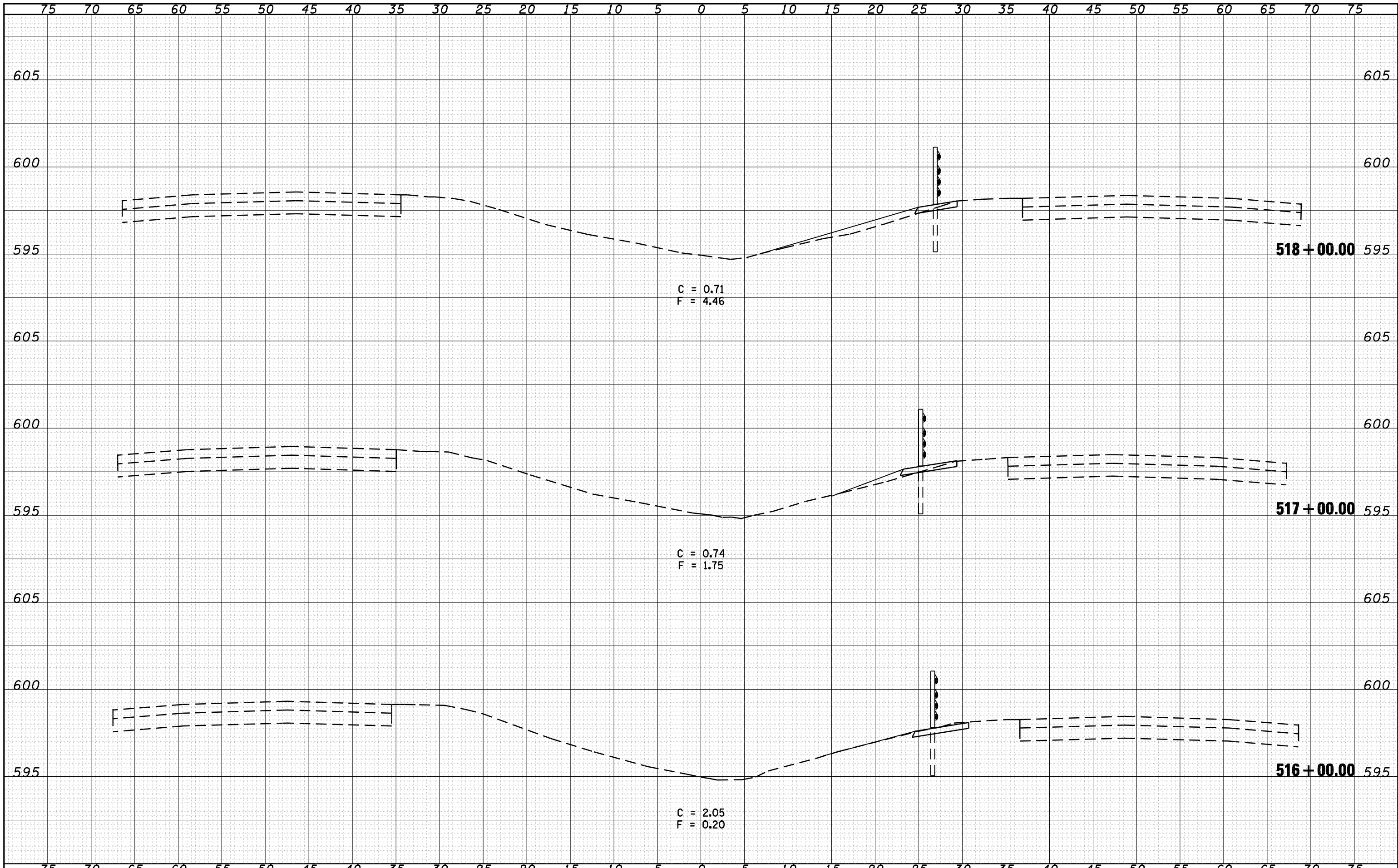
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		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		* DE CARLE/GIARDRAU 2010							

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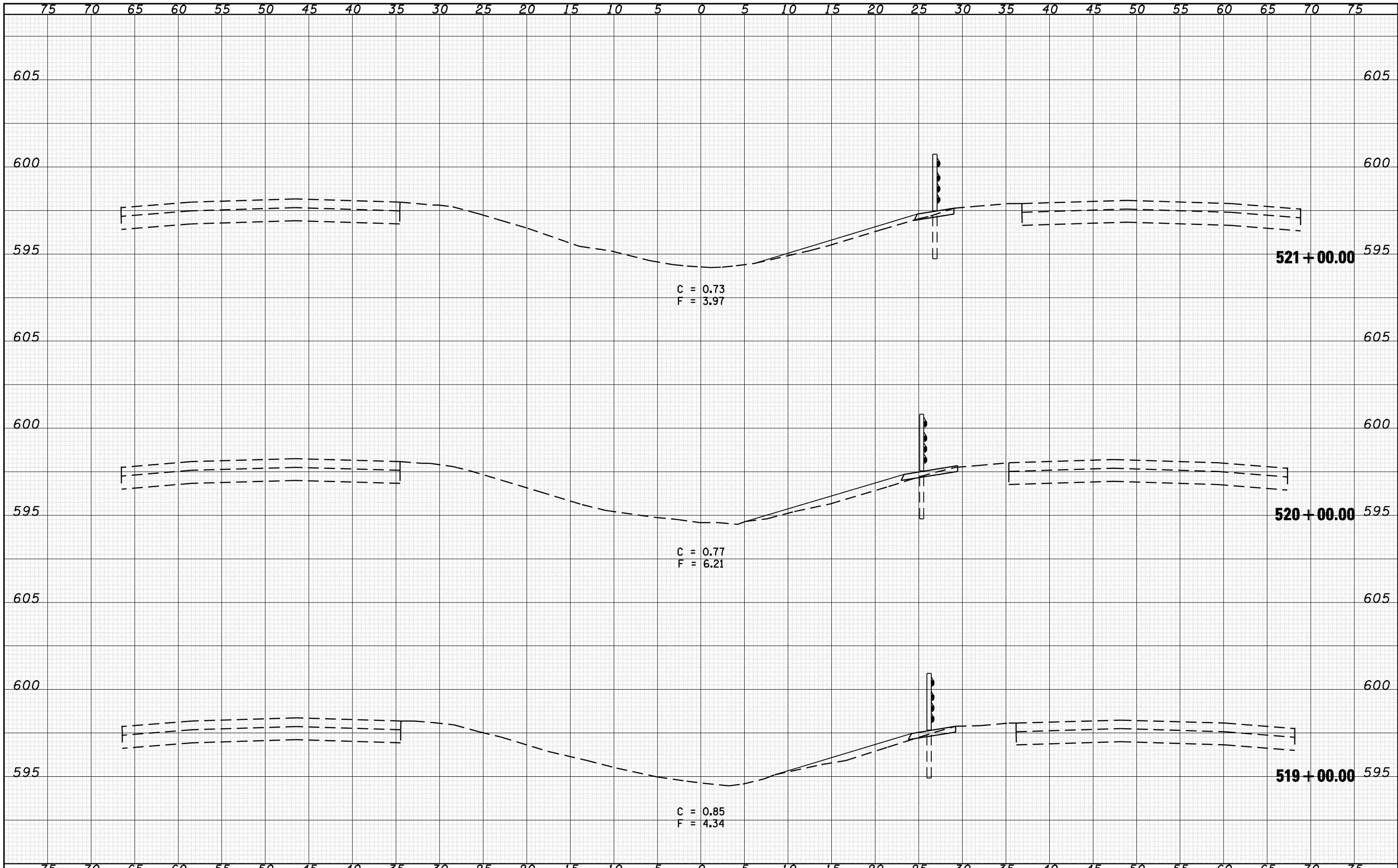
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.T. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 51
o:\pwwork\PWIDOT\LAUGHLINRL\0128581\0672C77	o:\pwwork\PWIDOT\LAUGHLINRL\0128581\0672C77	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 516+00.00 TO STA. 518+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -									
		DATE - 04/10/09	REVISIED -									

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

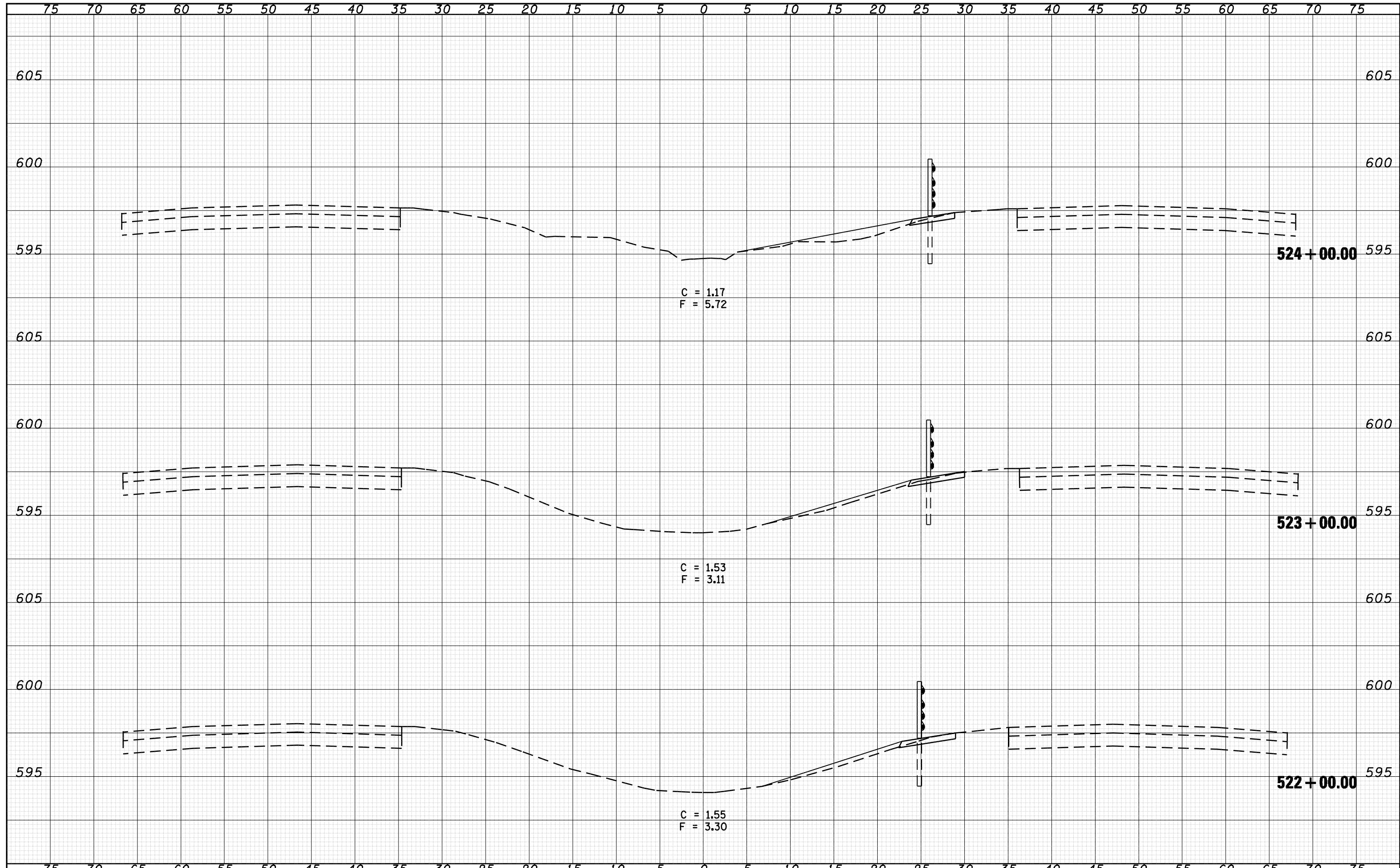
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 519+00.00 TO STA. 521+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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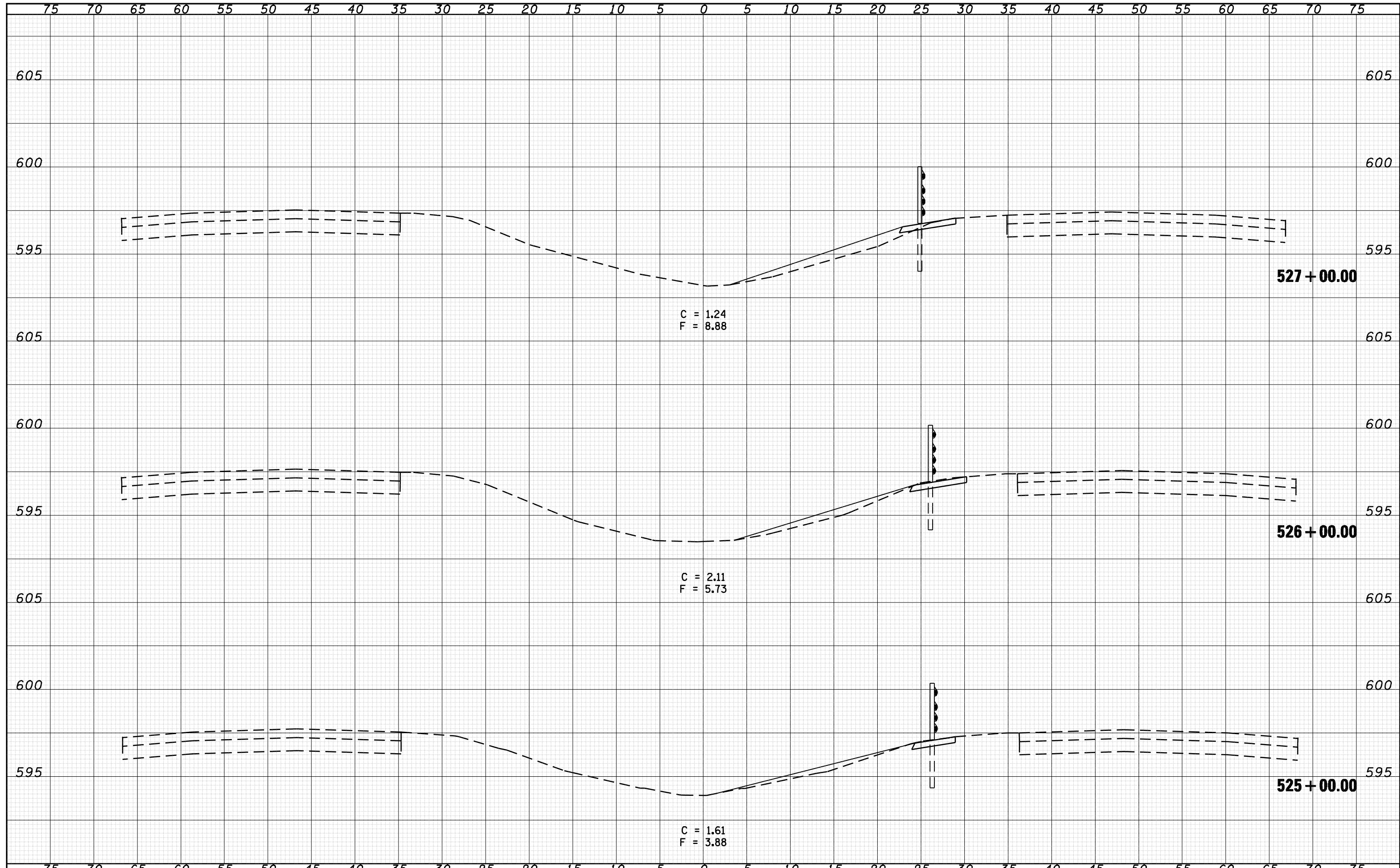
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o:\pwwork\pwwid01\LAUGHLINRL\d0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 522+00.00 TO STA. 524+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

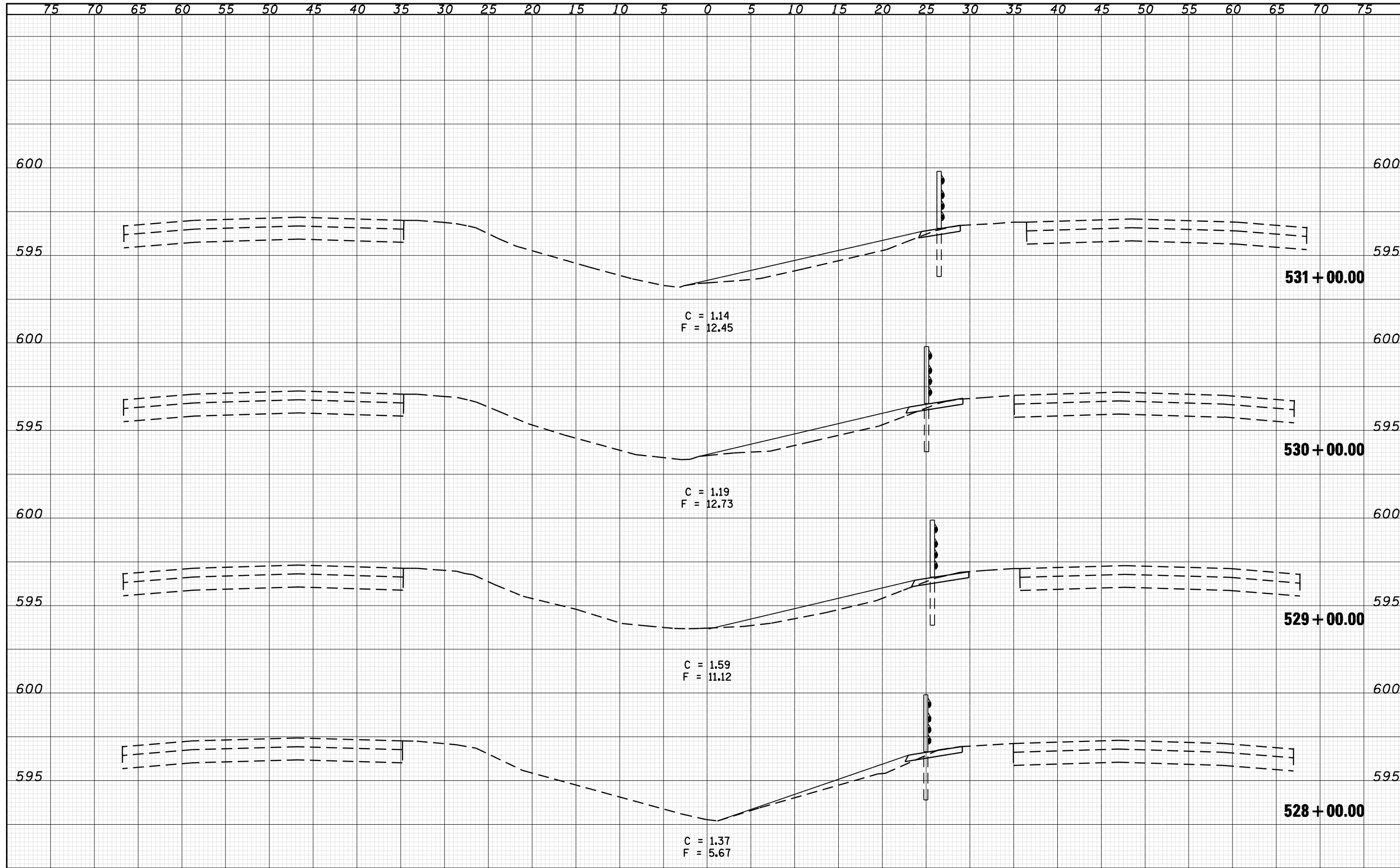
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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.T. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 54
o:\pwwork\pwidot\LAUGHLINRL\d0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 525+00.00 TO STA. 527+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

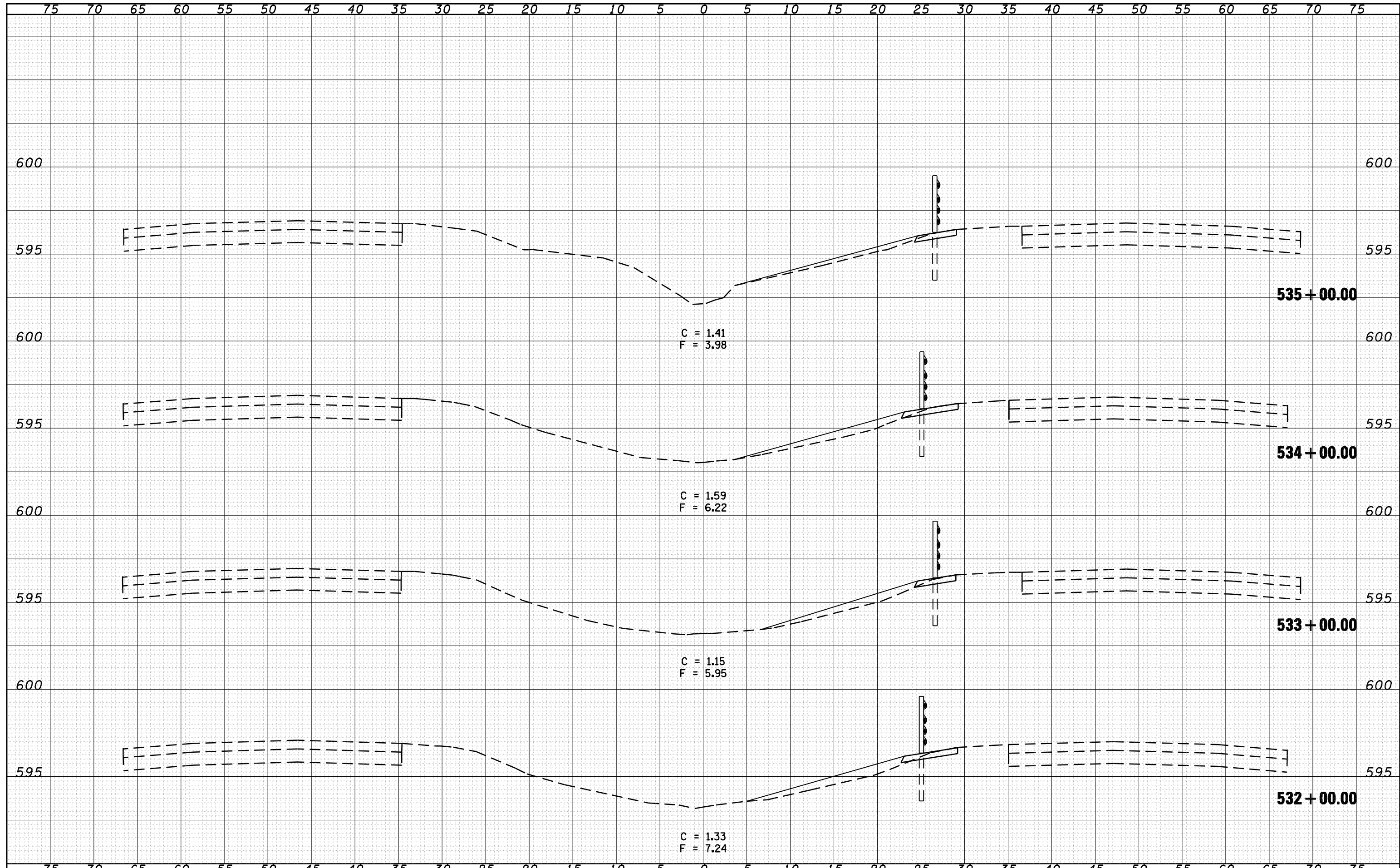
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NOTE BOOK	PLOTTED
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o:\pwork\PWIDOT\LAUGHLINRL\0128581\0672C77	ght-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 528+00.00 TO STA. 531+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		ILLINOIS FED. AID PROJECT							

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

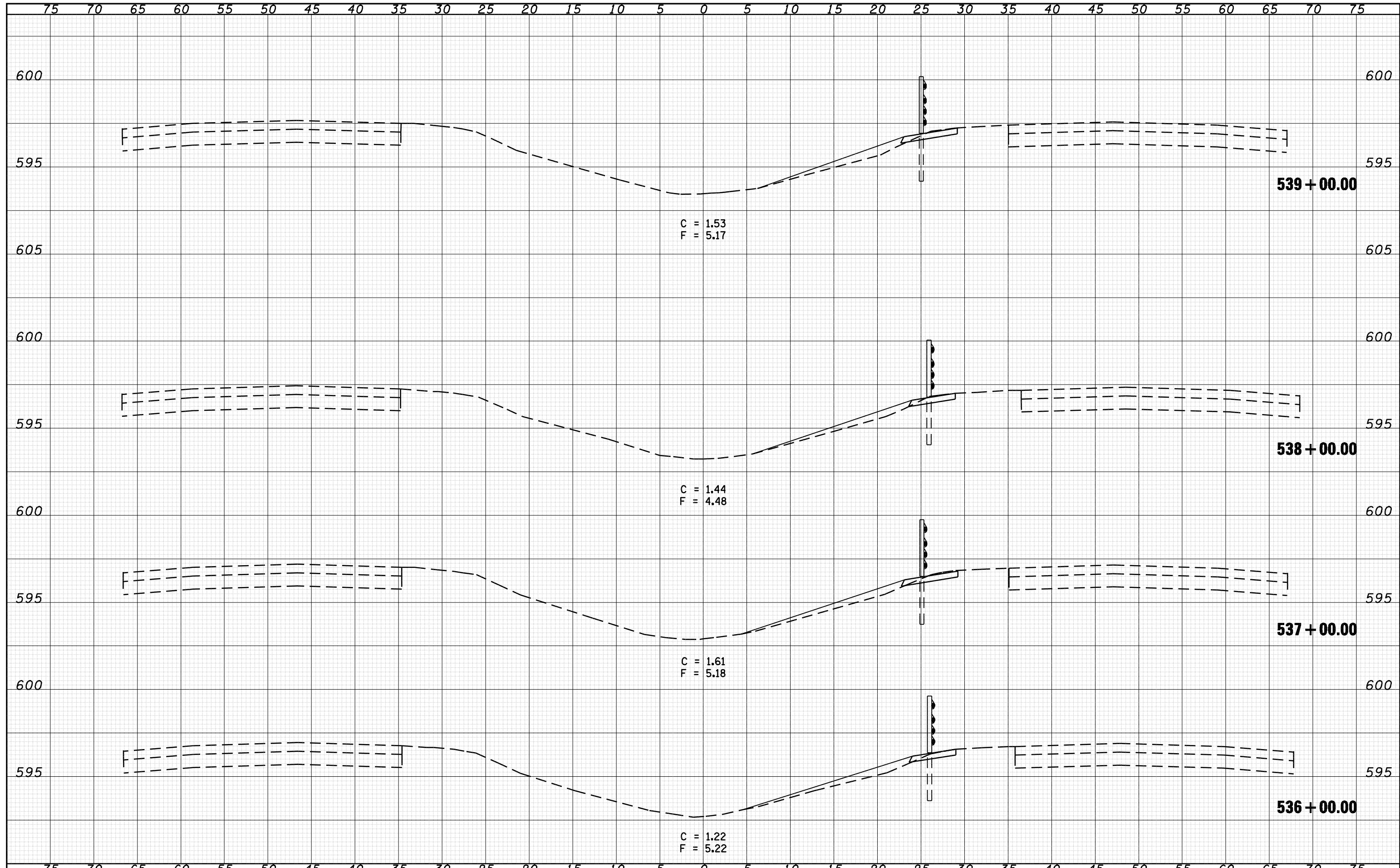
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 532+00.00 TO STA. 535+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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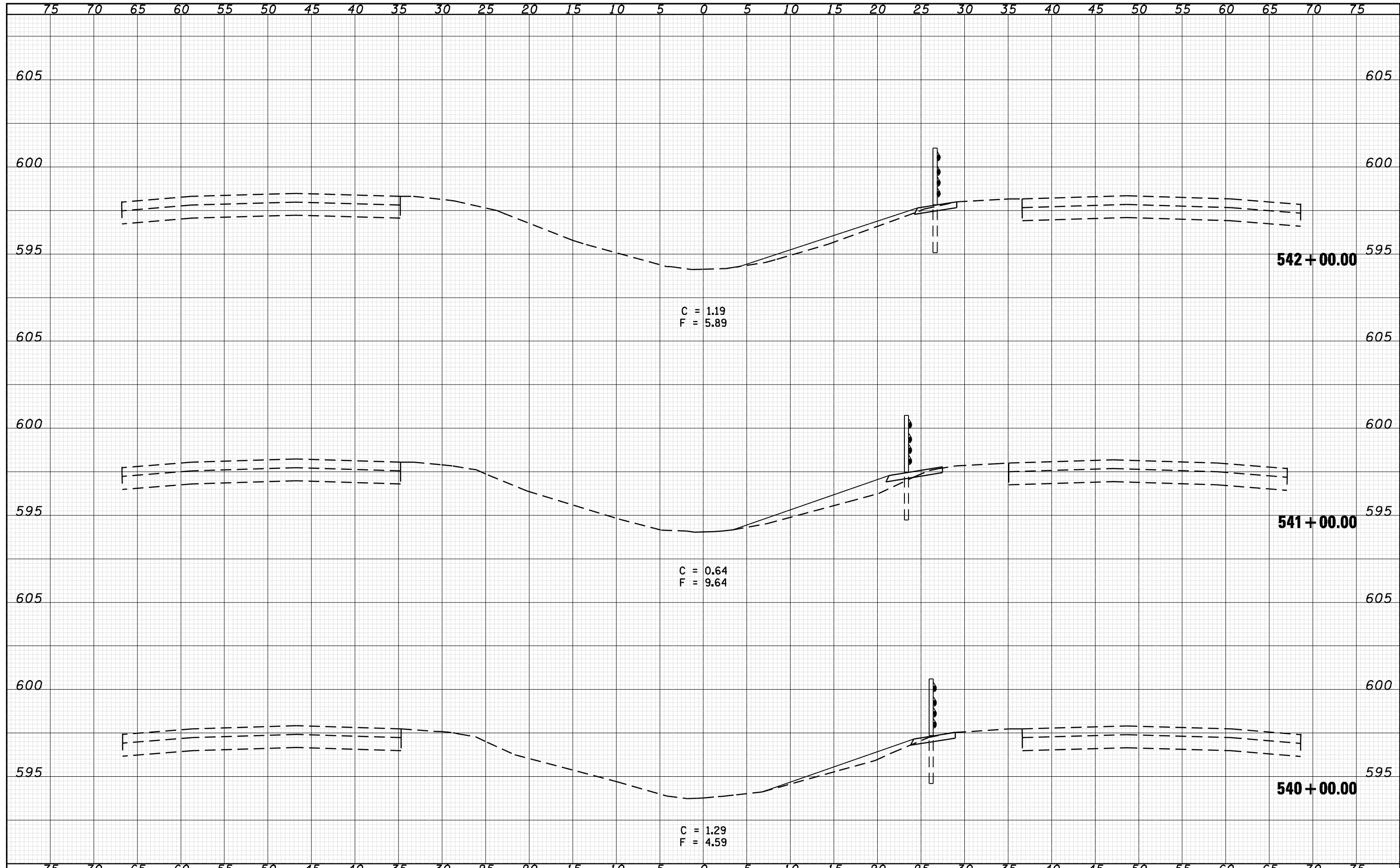
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NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 57
o:\pwwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 536+00.00 TO STA. 539+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -									
		DATE - 04/10/09	REVISIED -									

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FINAL SURVEY NOTE BOOK NO.	

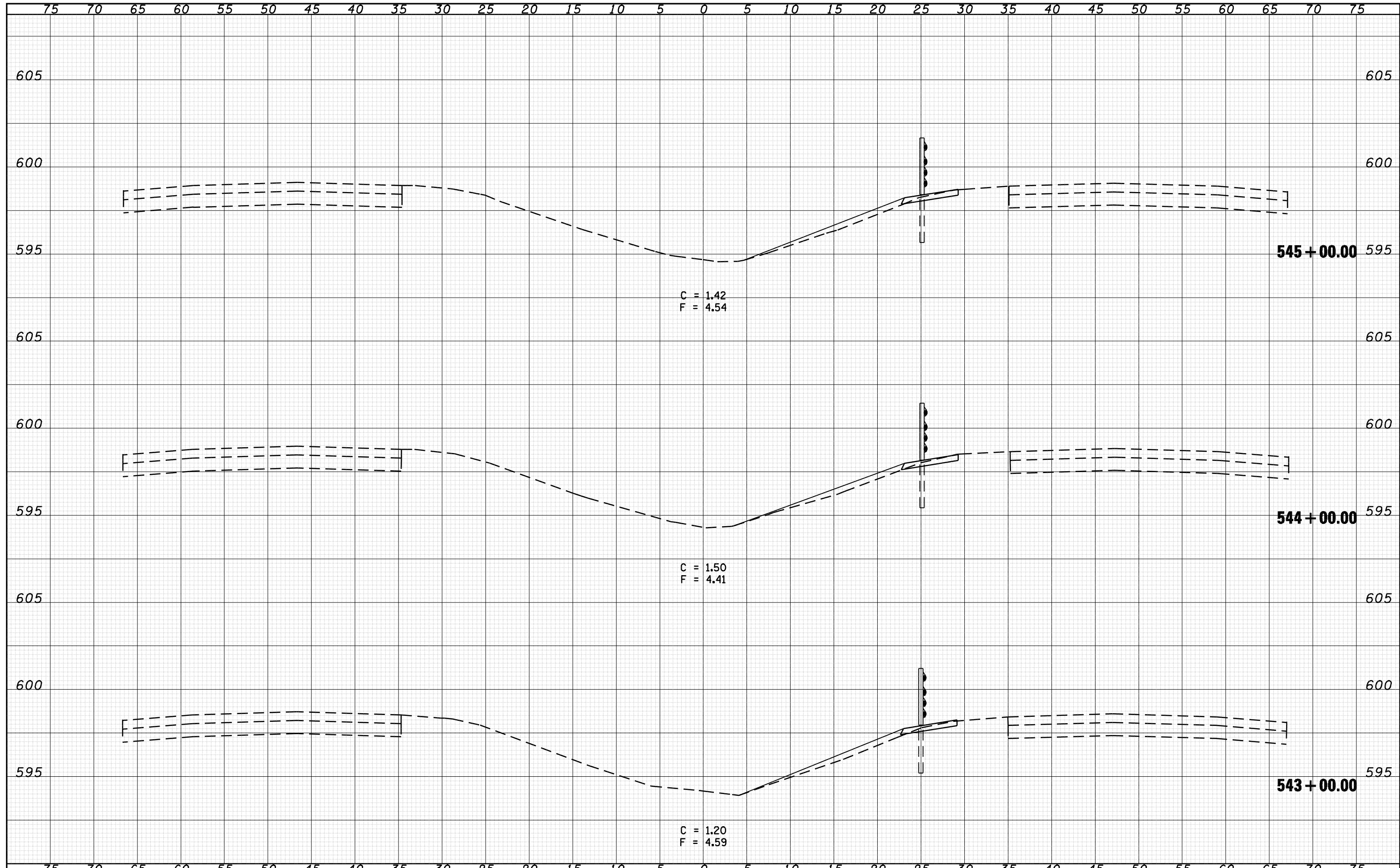
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 58
o:\pwwork\pwwid01\LAUGHLINRL\0128581\0672C77	sh-t-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 540+00.00 TO STA. 542+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -						CONTRACT NO. 72C77			
		DATE - 04/10/09	REVISIED -						* DE CARLE/GIARDRAI 2010			

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NOTE BOOK	PLOTTED
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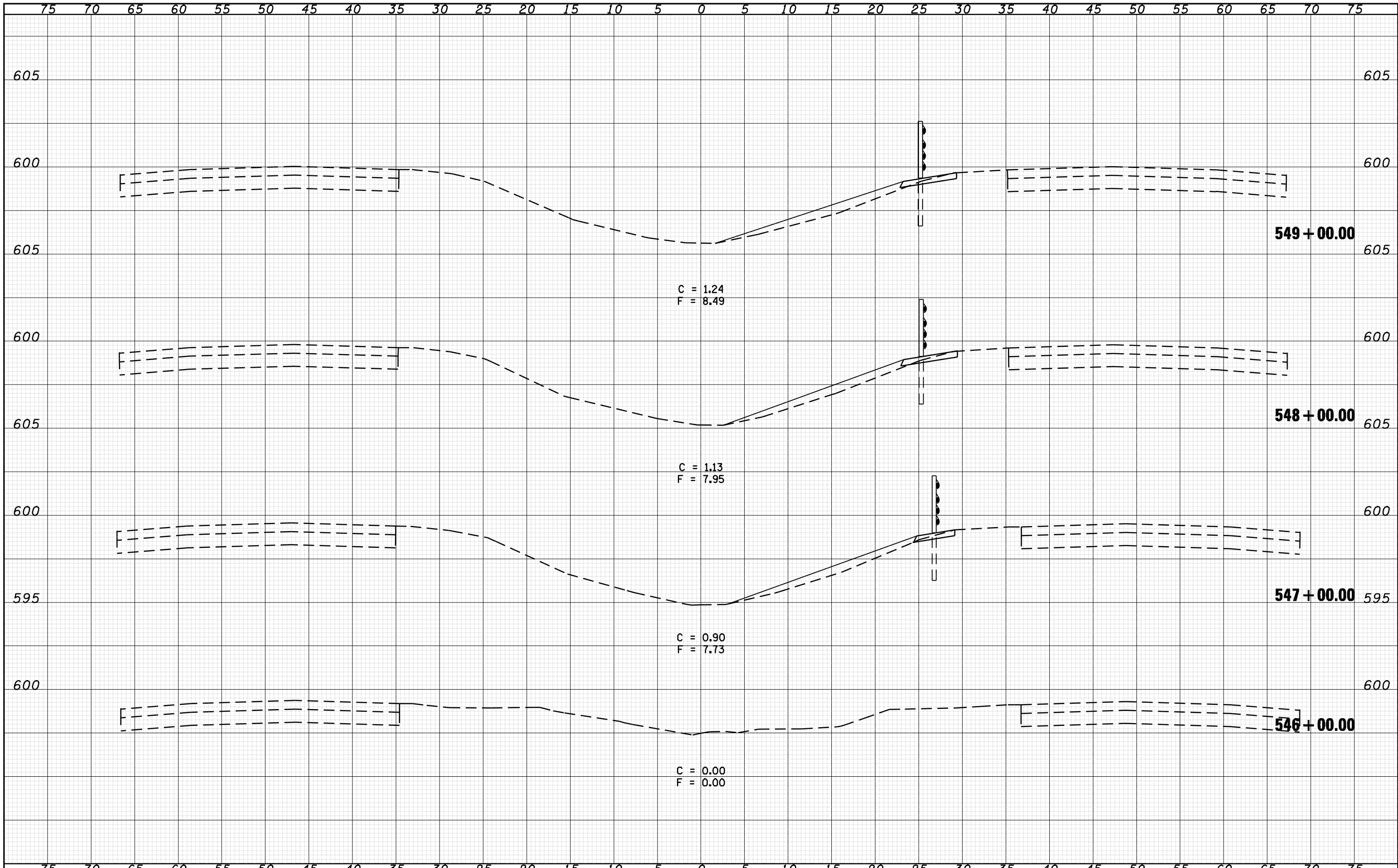
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o:\pwwork\PWIDOT\LAUGHLINRL\0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 543+00.00 TO STA. 545+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISED -									
		DATE - 04/10/09	REVISED -									

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

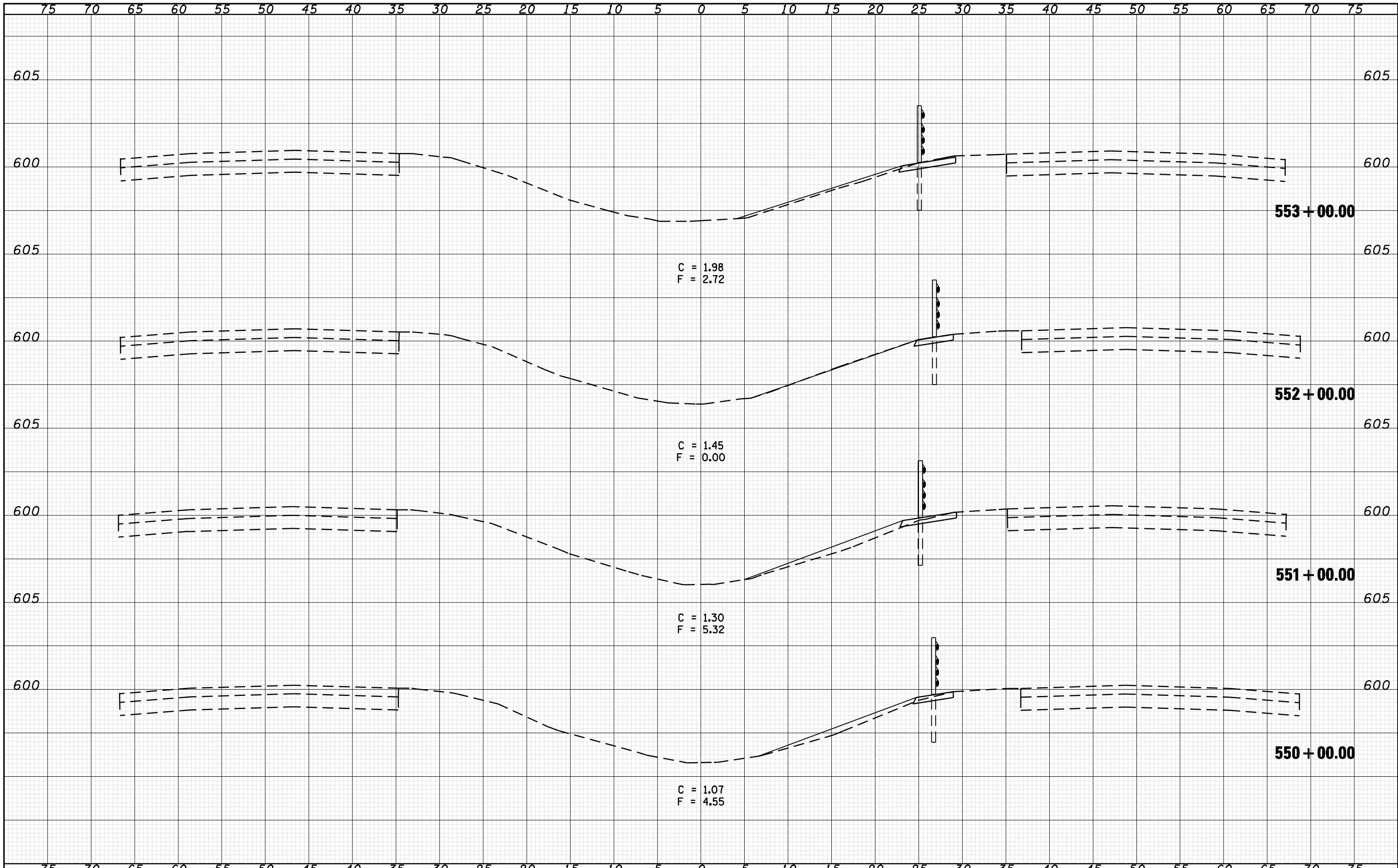
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 546+00.00 TO STA. 549+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	60
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

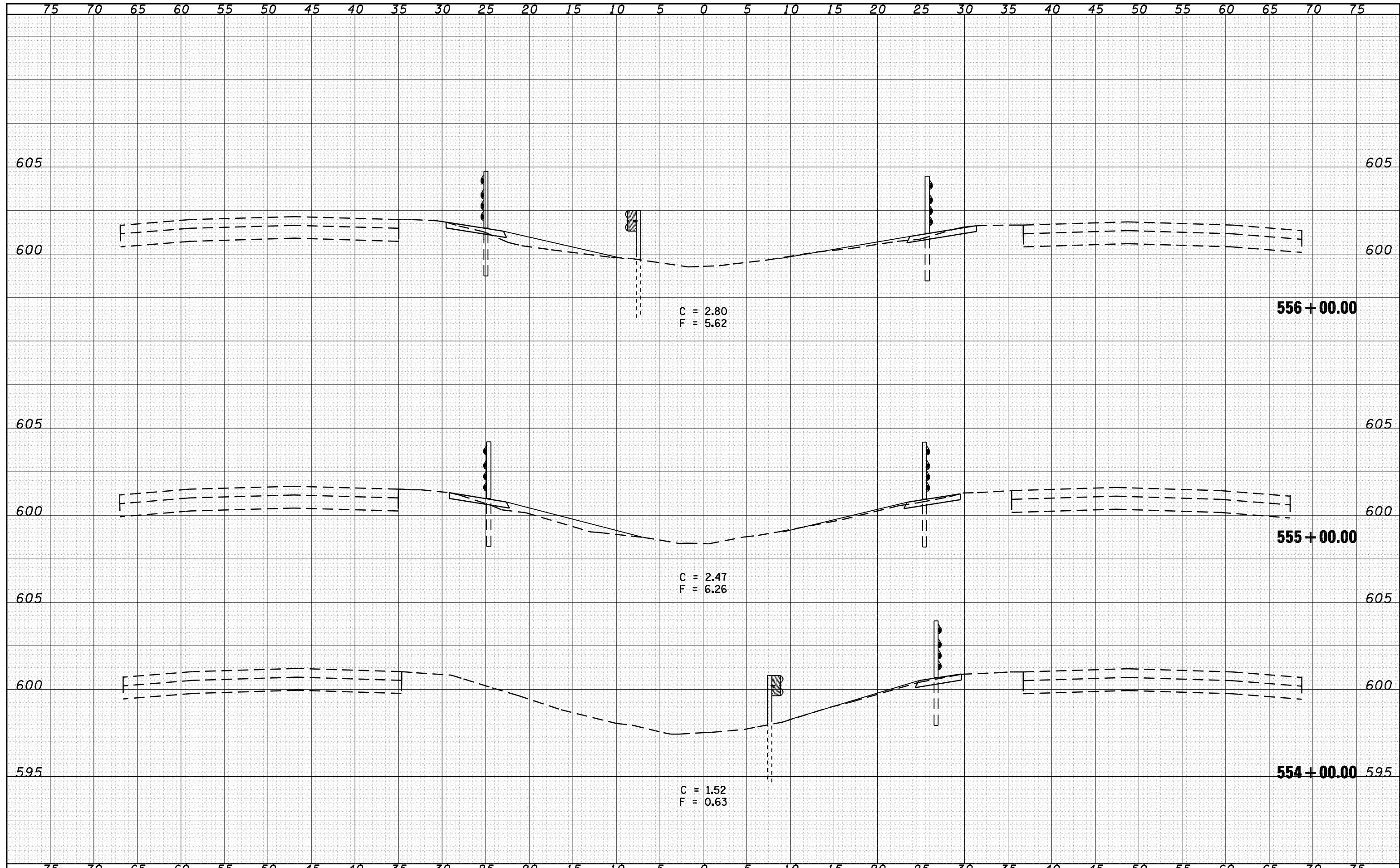
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 550+00.00 TO STA. 553+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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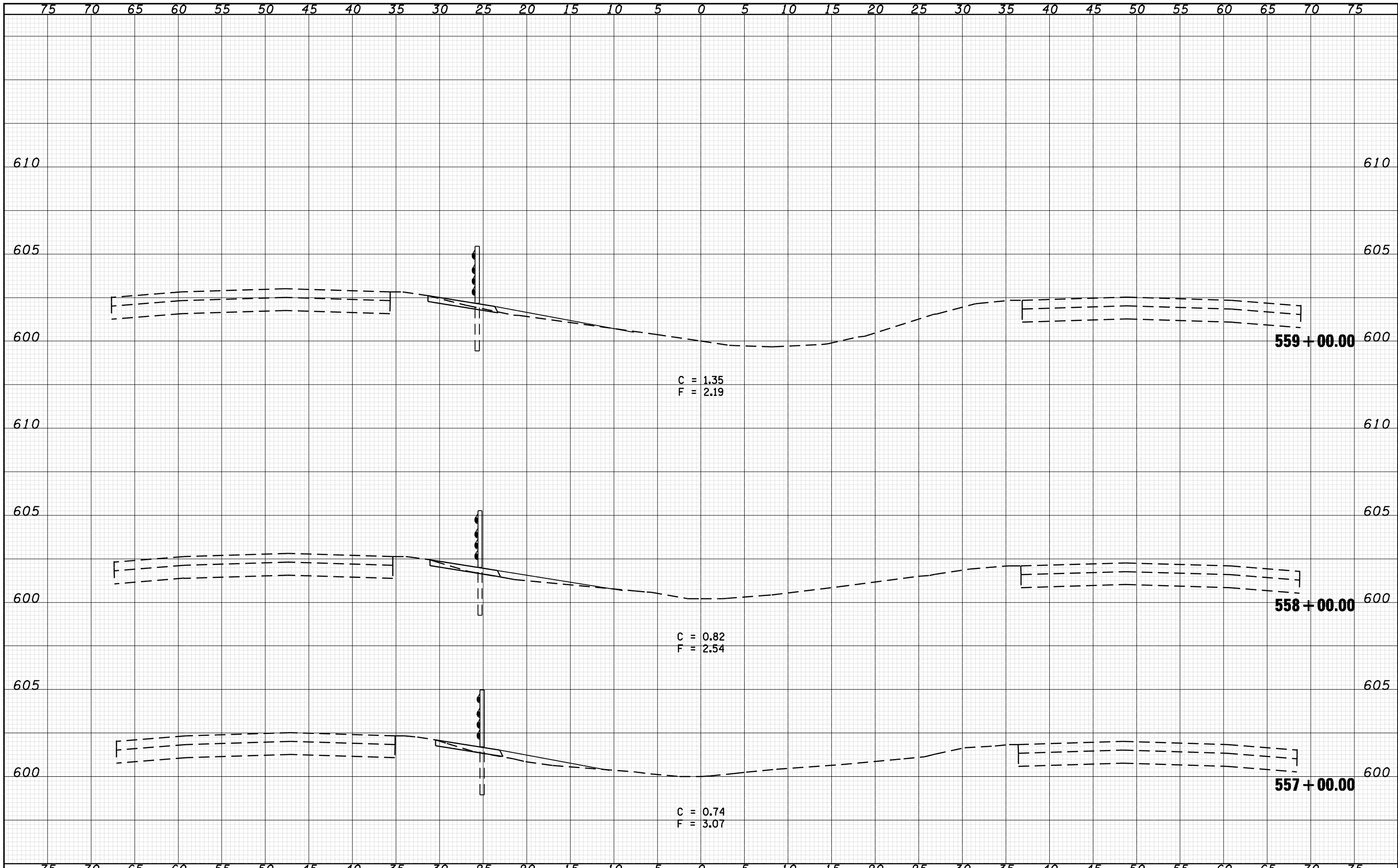
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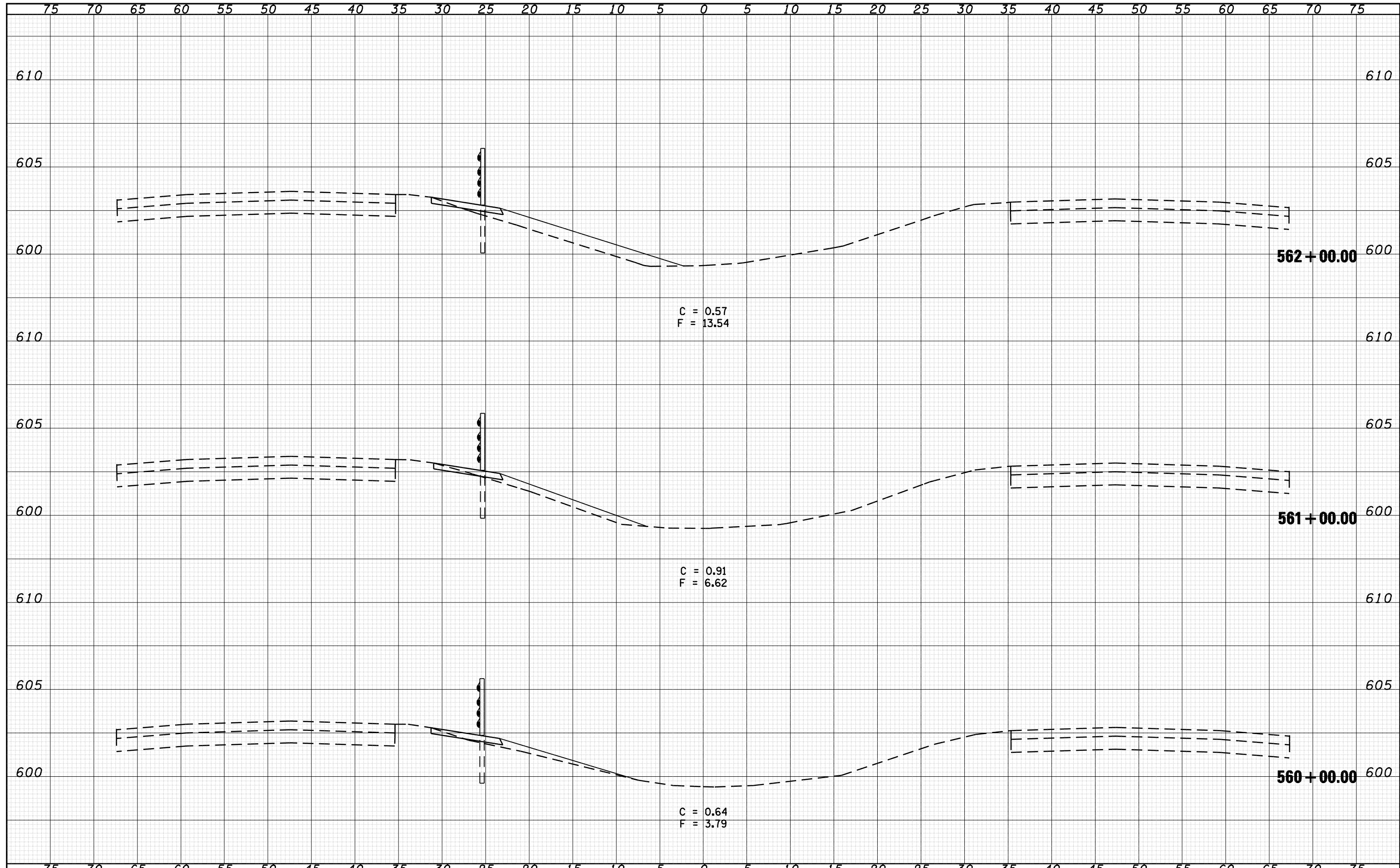
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o:\pwwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 557+00.00 TO STA. 559+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISED -						CONTRACT NO. 72C77			
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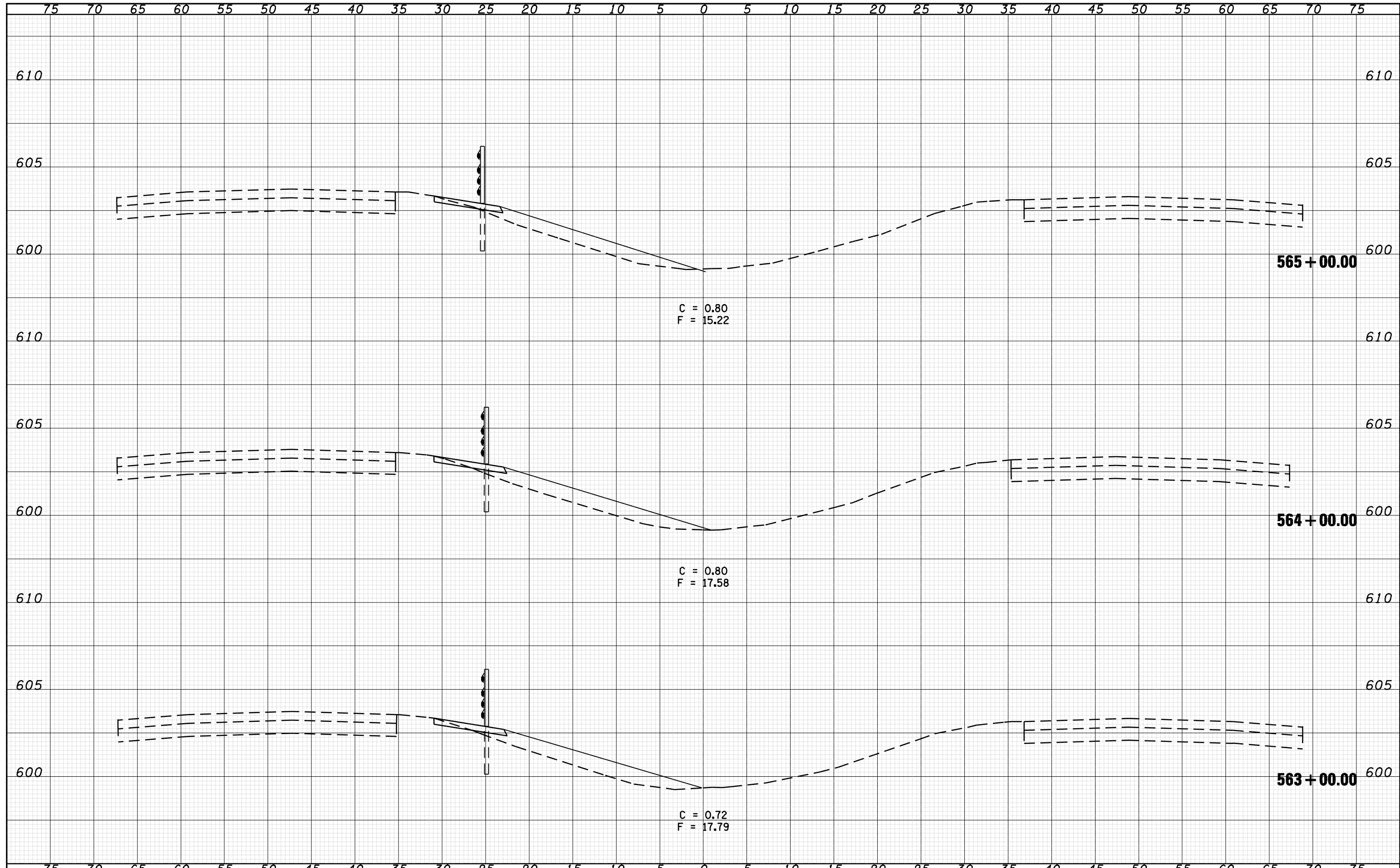
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 64
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		CHECKED - JPM	REVISIED -						CONTRACT NO. 72C77			
		DATE - 04/10/09	REVISIED -						* DE CARLE/GIARDRAU 2010			

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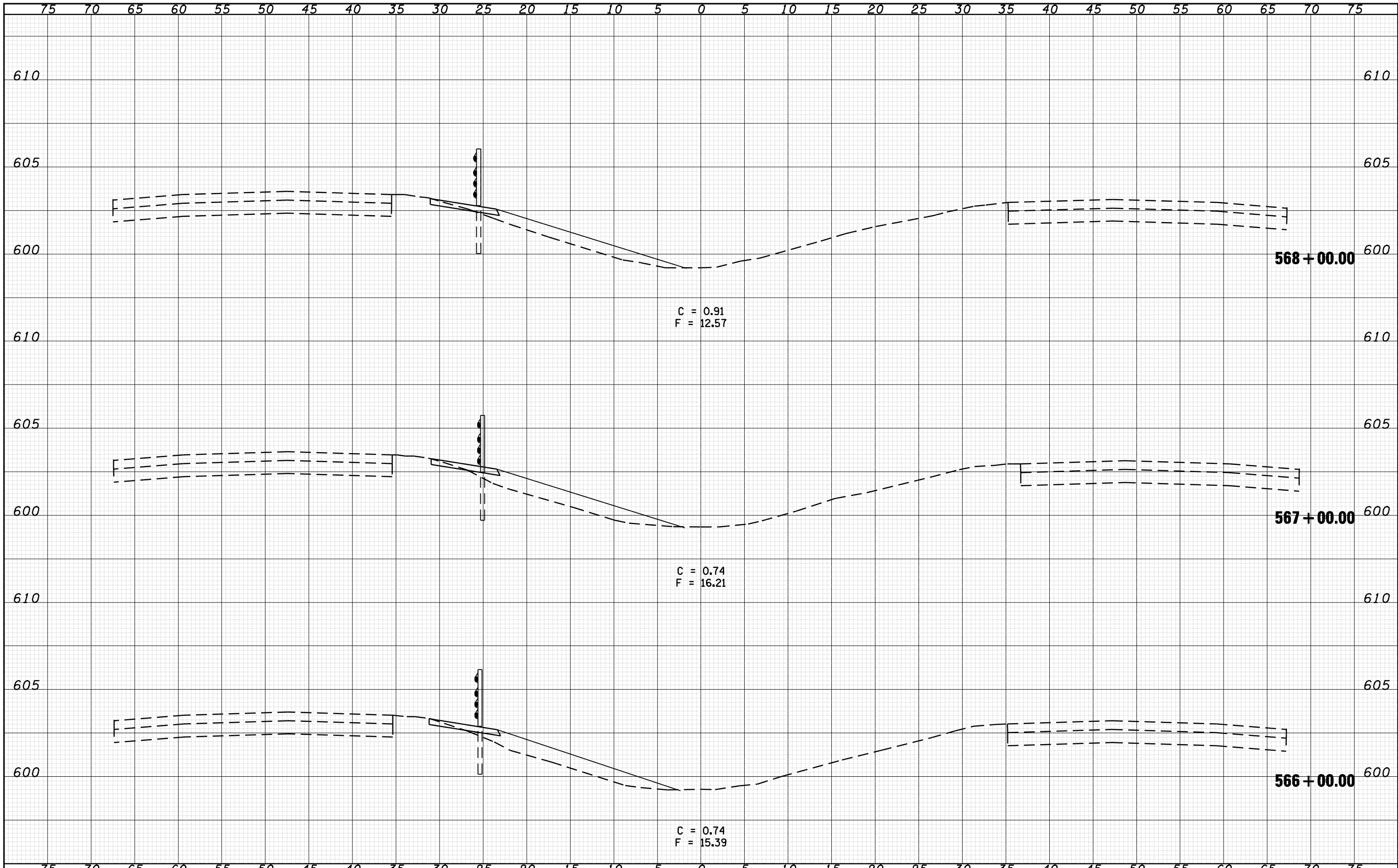
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		CHECKED - JPM	REVISIED -						CONTRACT NO. 72C77			
		DATE - 04/10/09	REVISIED -						ILLINOIS FED. AID PROJECT			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

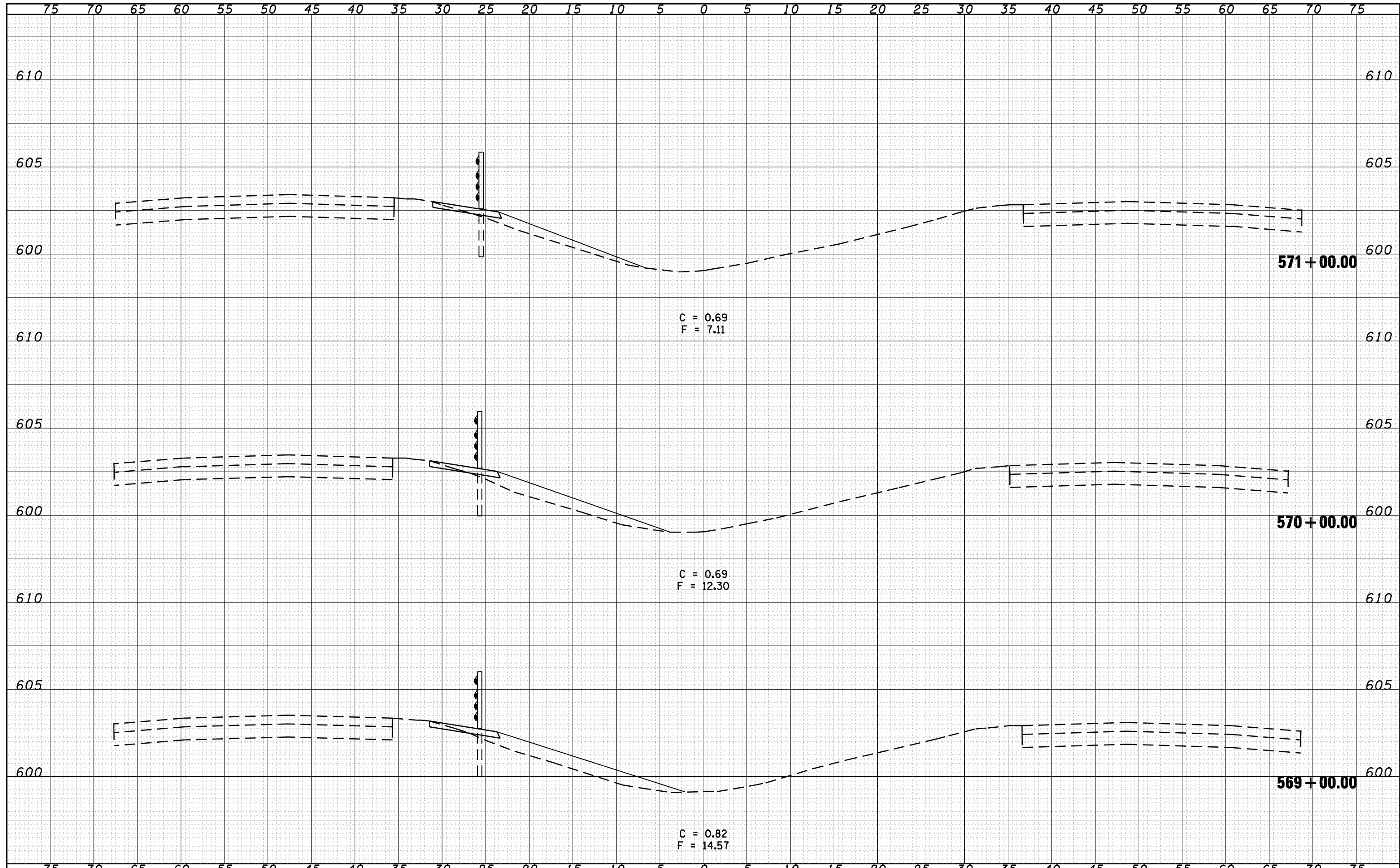
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 566+00.00 TO STA. 568+00.00

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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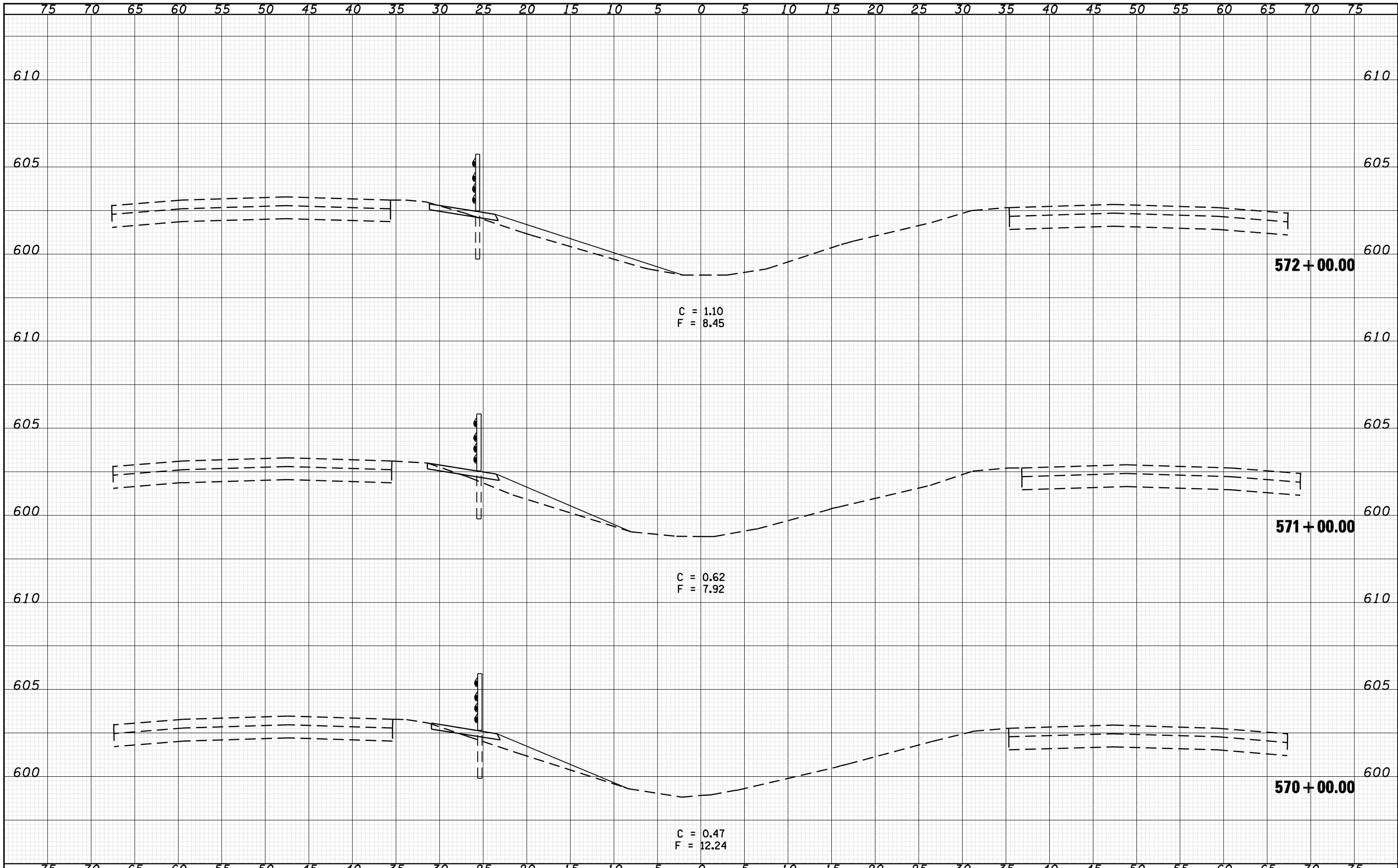
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		CHECKED - JPM	REVISIED -						CONTRACT NO. 72C77			
		DATE - 04/10/09	REVISIED -						* DE CARLE/GIARDRAI 2010			

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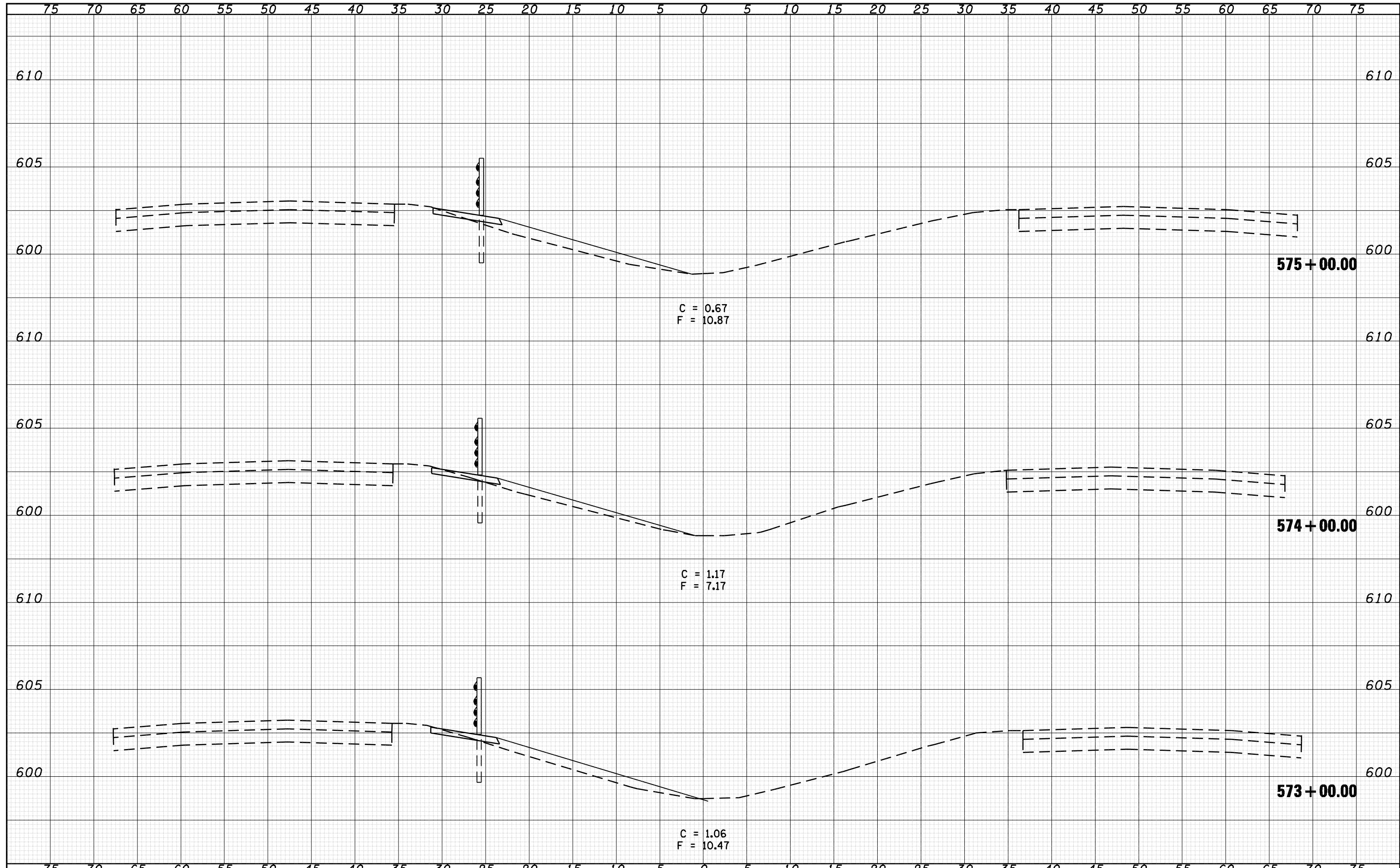
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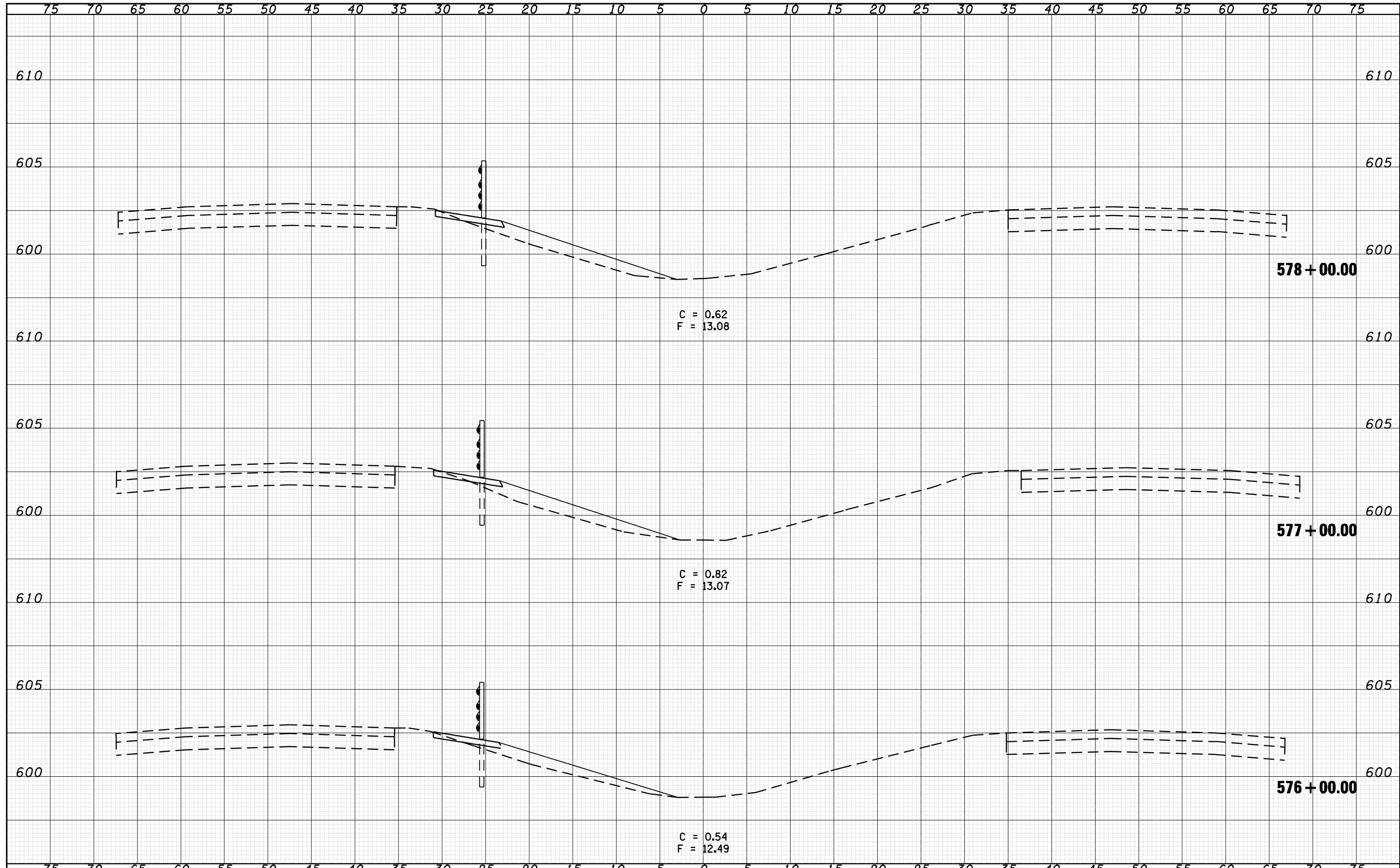
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		DATE - 04/10/09	REVISIED -						* DE CARLE/GIARDRAI 2010			

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NOTE BOOK	PLOTTED
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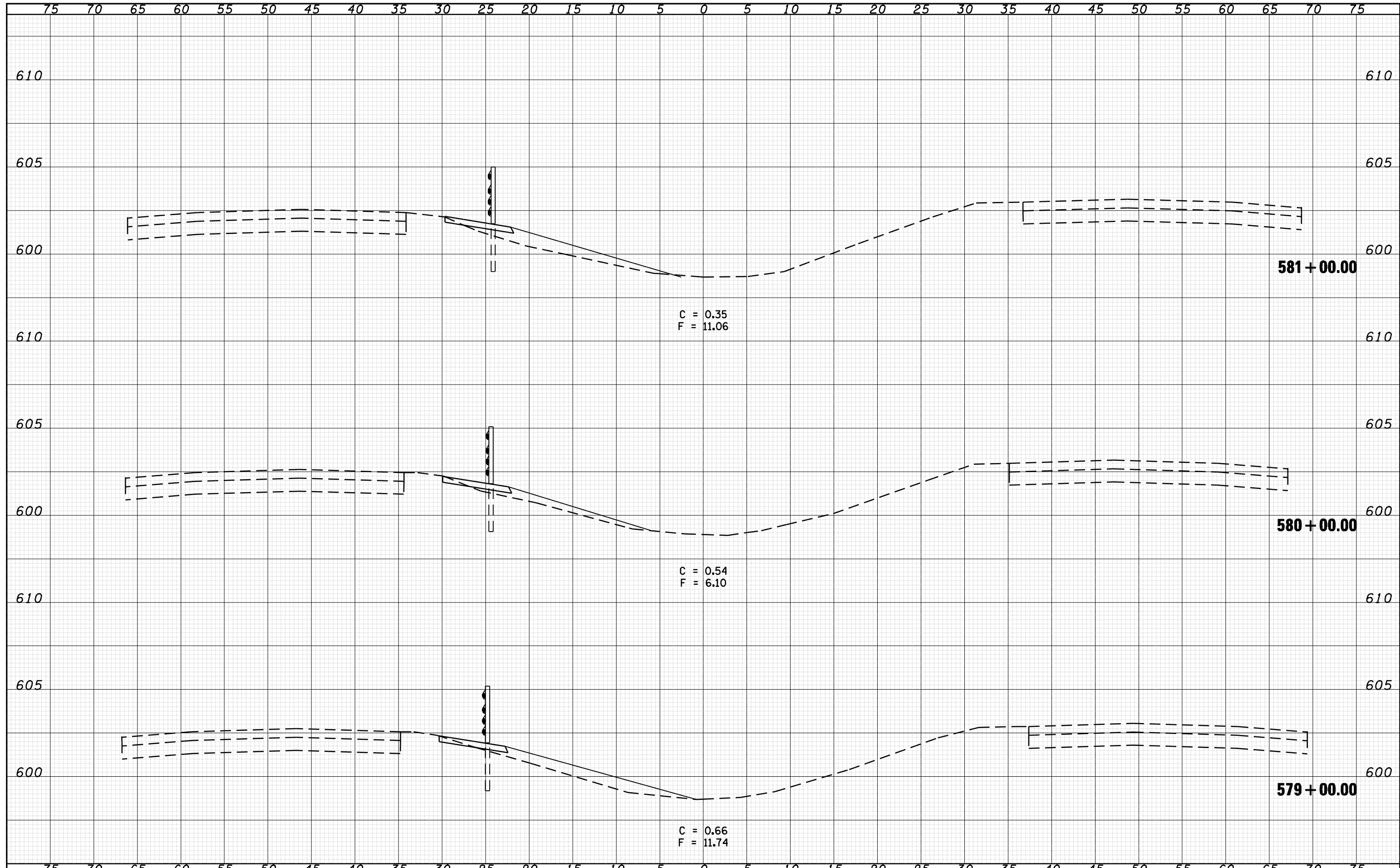
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NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = laughlir1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwork\PWIDOT\LAUGHLINRL\0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISIED -		72	•	SANGAMON	100	70			
PLOT SCALE = 10.0000 ' / IN.		CHECKED - JPM	REVISIED -		SCALE: 1"=5Hx2.5V			SHEET NO.	OF SHEETS	STA. 576+00.00 TO STA. 578+00.00	ILLINOIS FED. AID PROJECT	
PLOT DATE = May-07-2009 09:39:05AM		DATE - 04/10/09	REVISIED -		CONTRACT NO. 72C77		• DE CARLE/GIARDRAI 2010					

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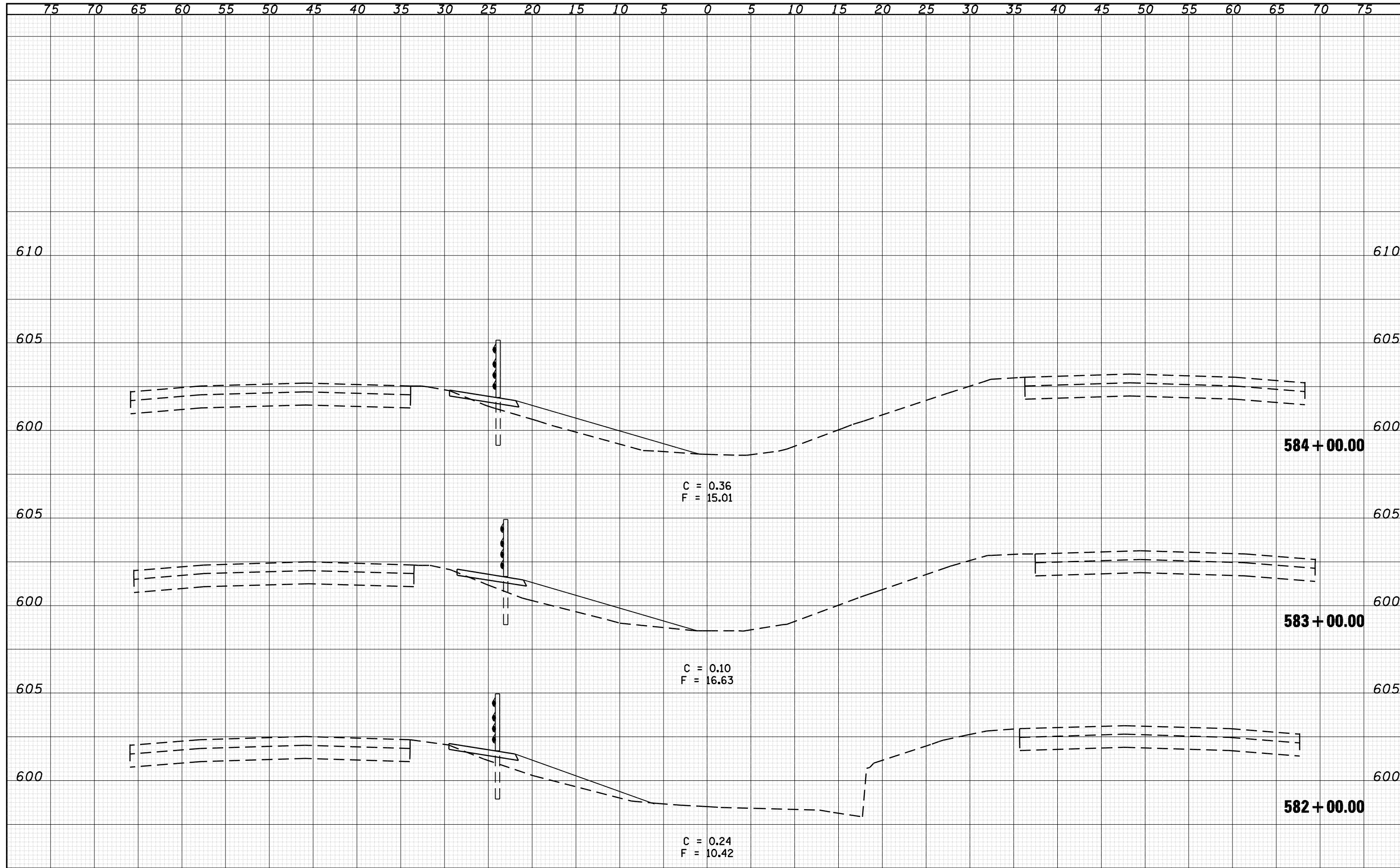
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FILE NAME =	USER NAME = laughlrr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 71
o:\pwwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	ght-xash.tdgn	DRAWN - BKL	REVISED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 579+00.00 TO STA. 581+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISED -						CONTRACT NO. 72C77			
		DATE - 04/10/09	REVISED -						* DE CARLE/GIARDRAI 2010			

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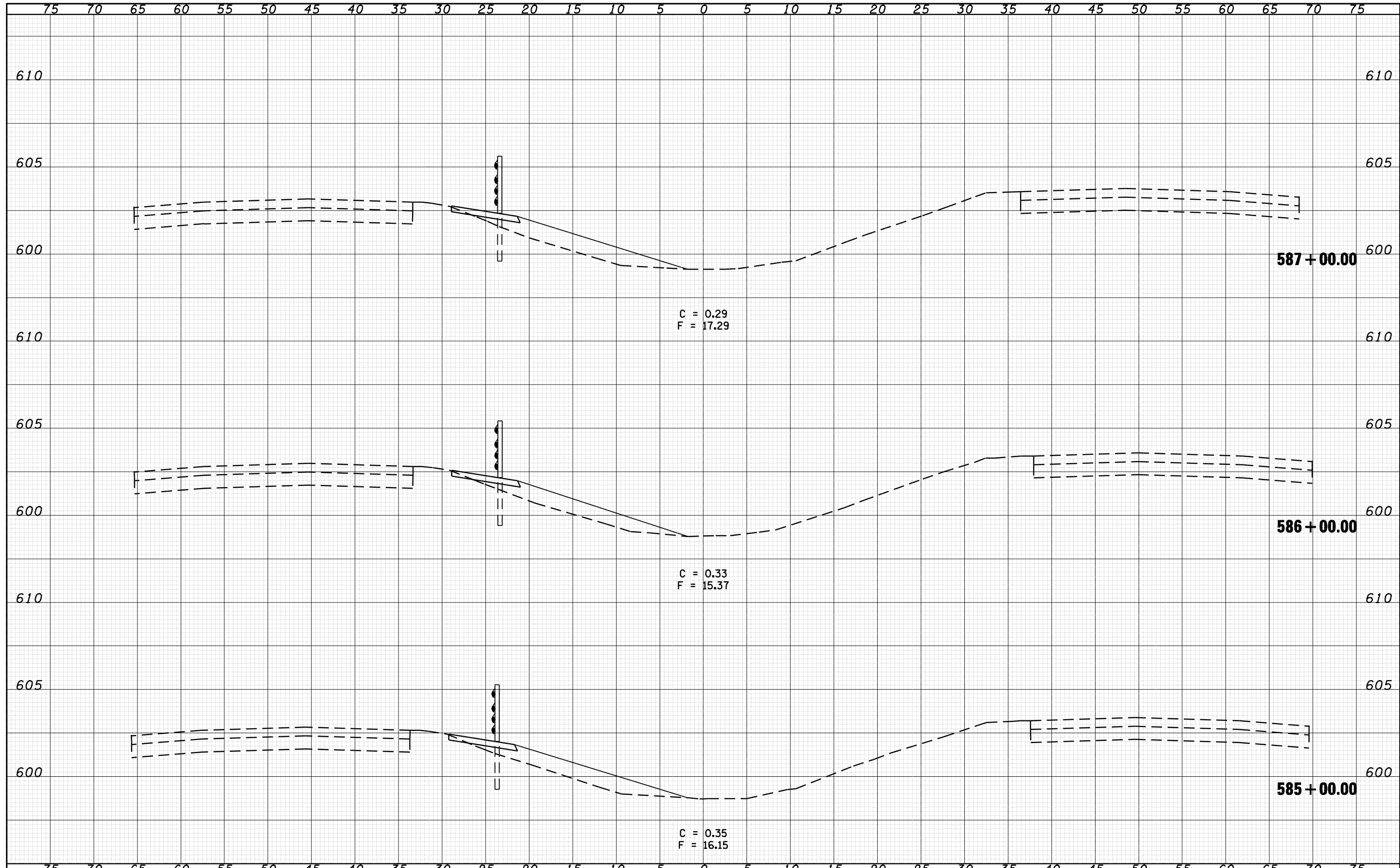
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 72
o:\pwwork\PWIDOT\LAUGHLINR1\0128581\0672C77	shht-xash.tdgn	DRAWN - BKL	REVISED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 582+00.00 TO STA. 584+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISED -		* DE CARLE/GIARDRAU 2010							

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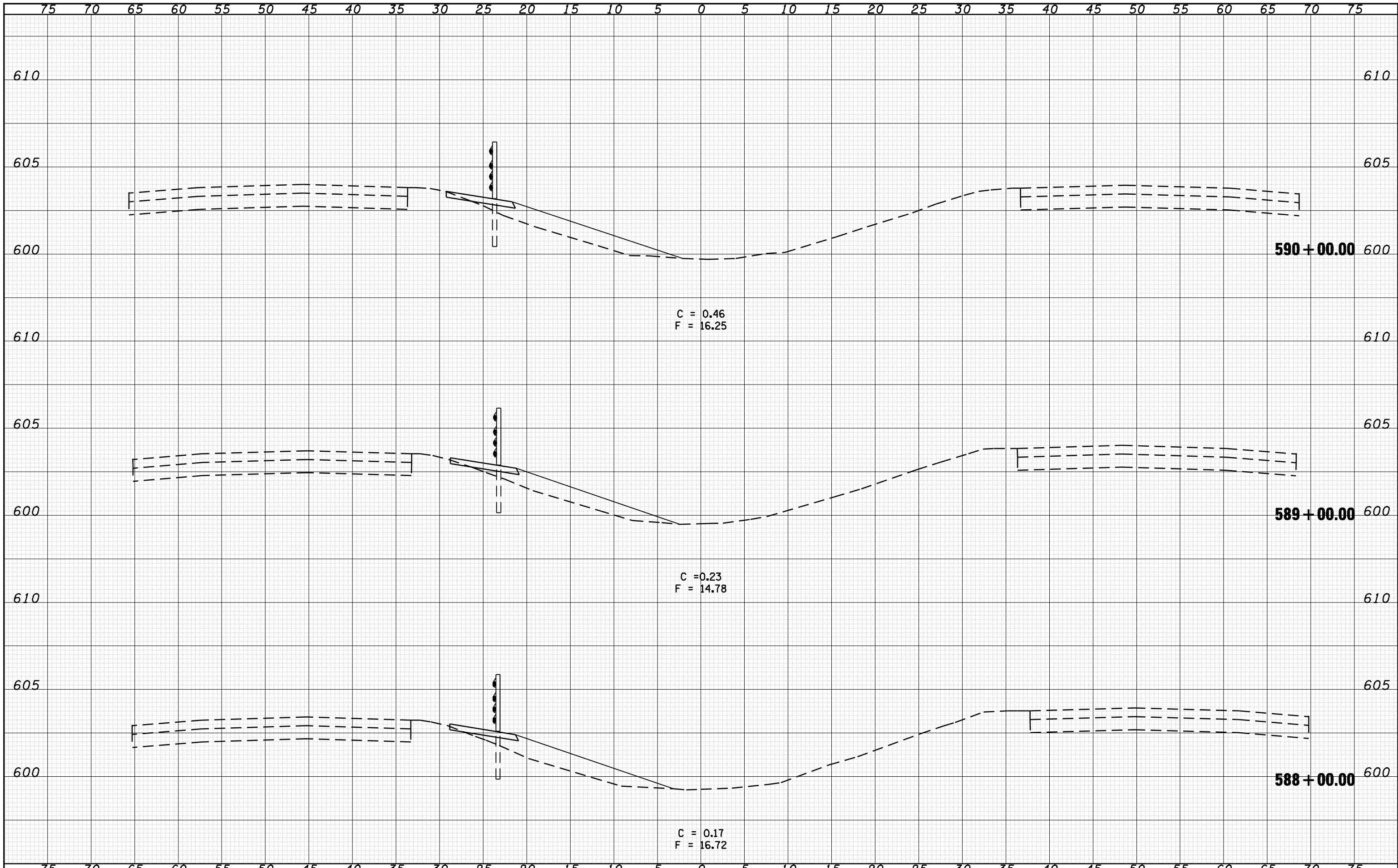
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o:\pwwork\pwwid01\LAUGHLINRL\d0128581\0672C77	ht-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 585+00.00 TO STA. 587+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		* DE CARLE/GIARDRAI 2010							

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

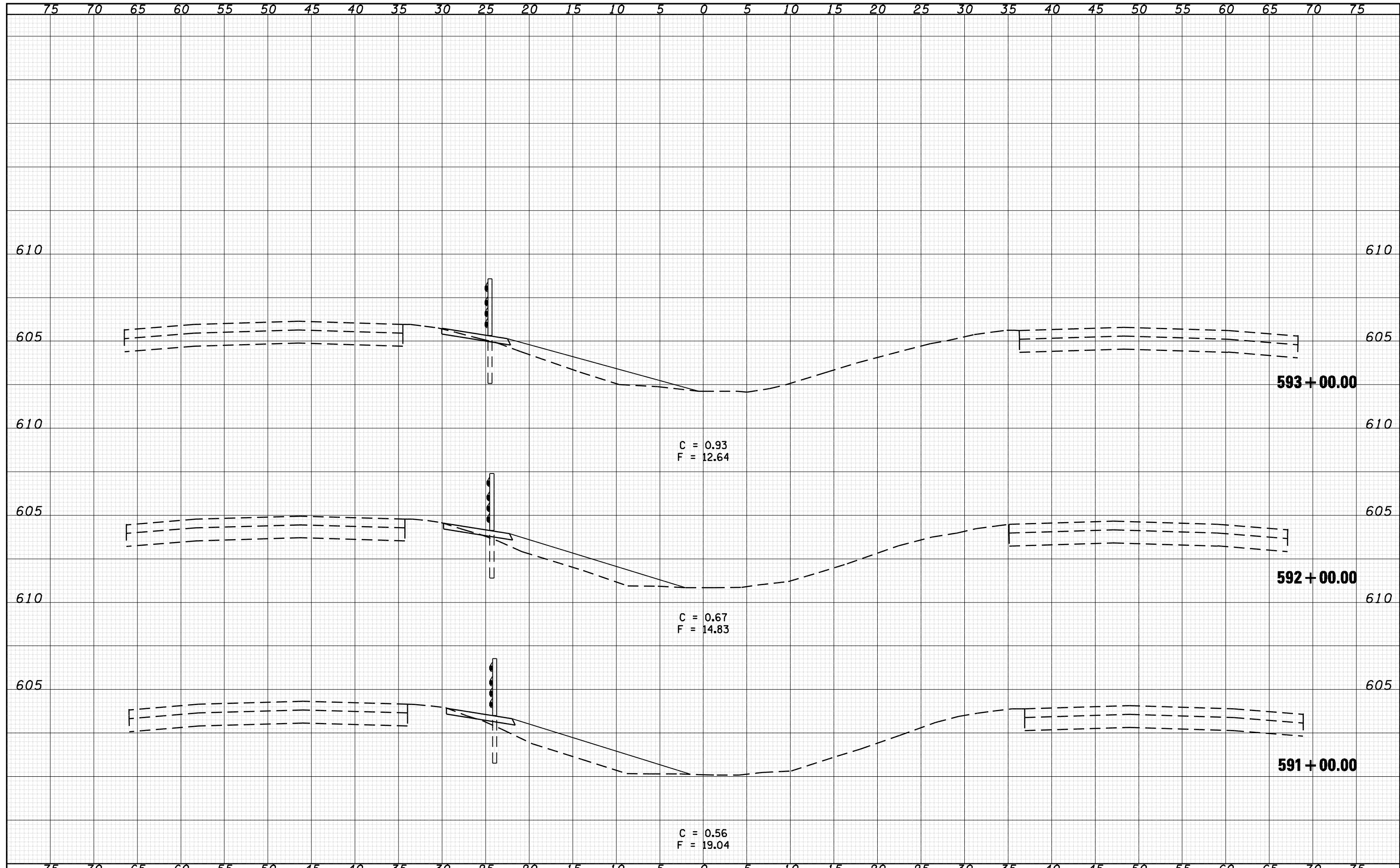
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

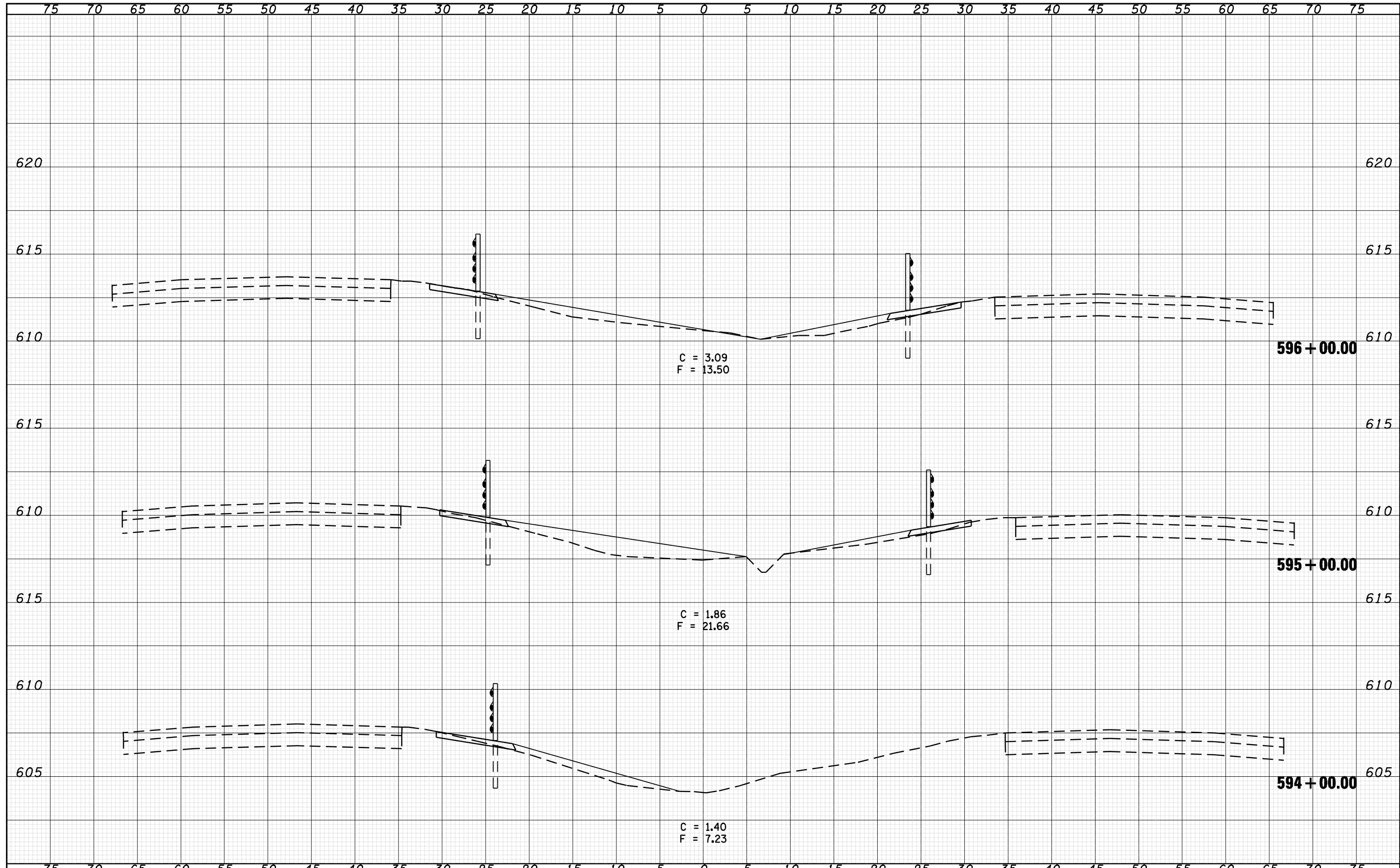
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 591+00.00 TO STA. 593+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	75
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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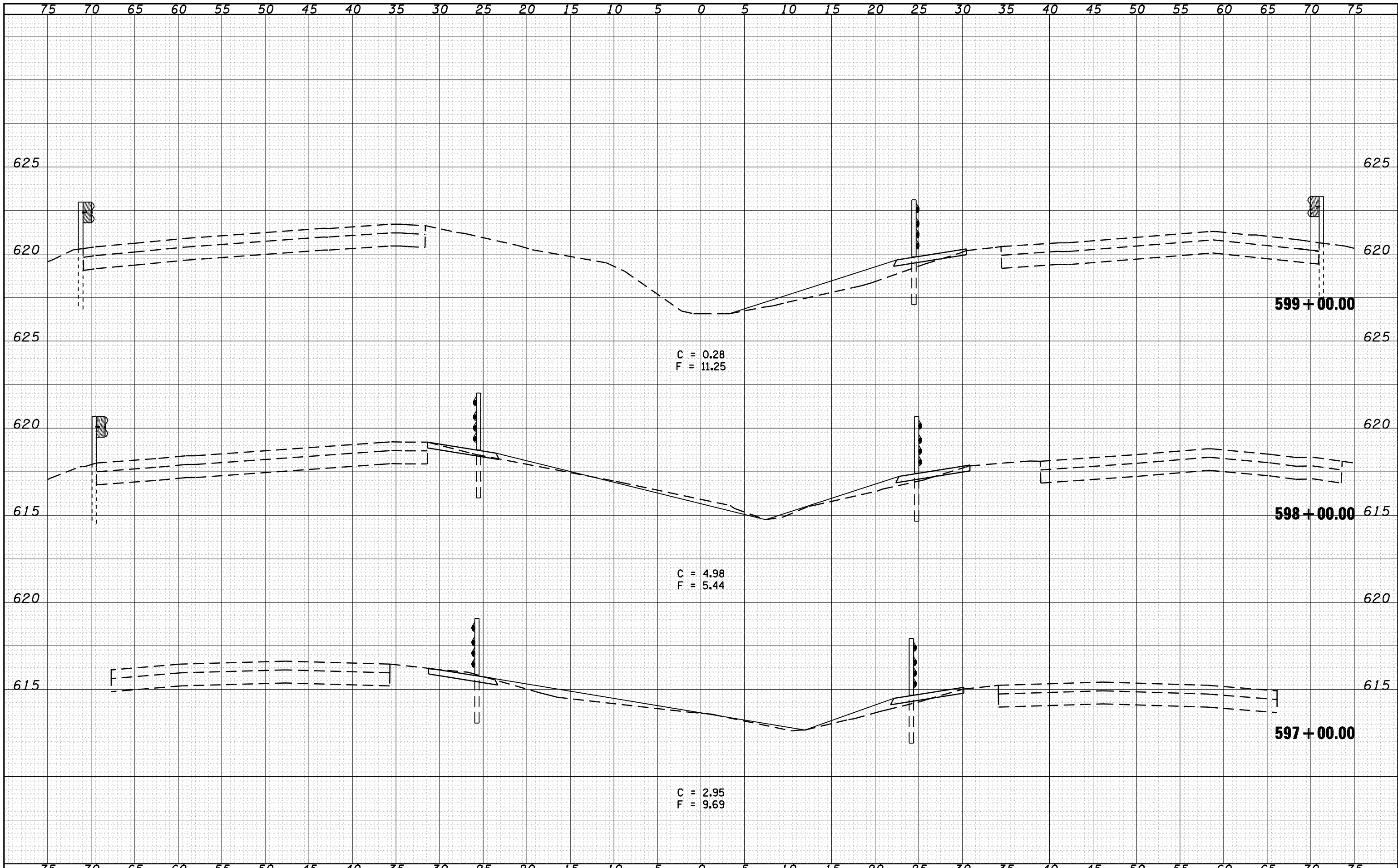
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 76
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		CHECKED - JPM	REVISIED -							CONTRACT NO. 72C77		
		DATE - 04/10/09	REVISIED -							* DE CARLE/GIARDRAI 2010		

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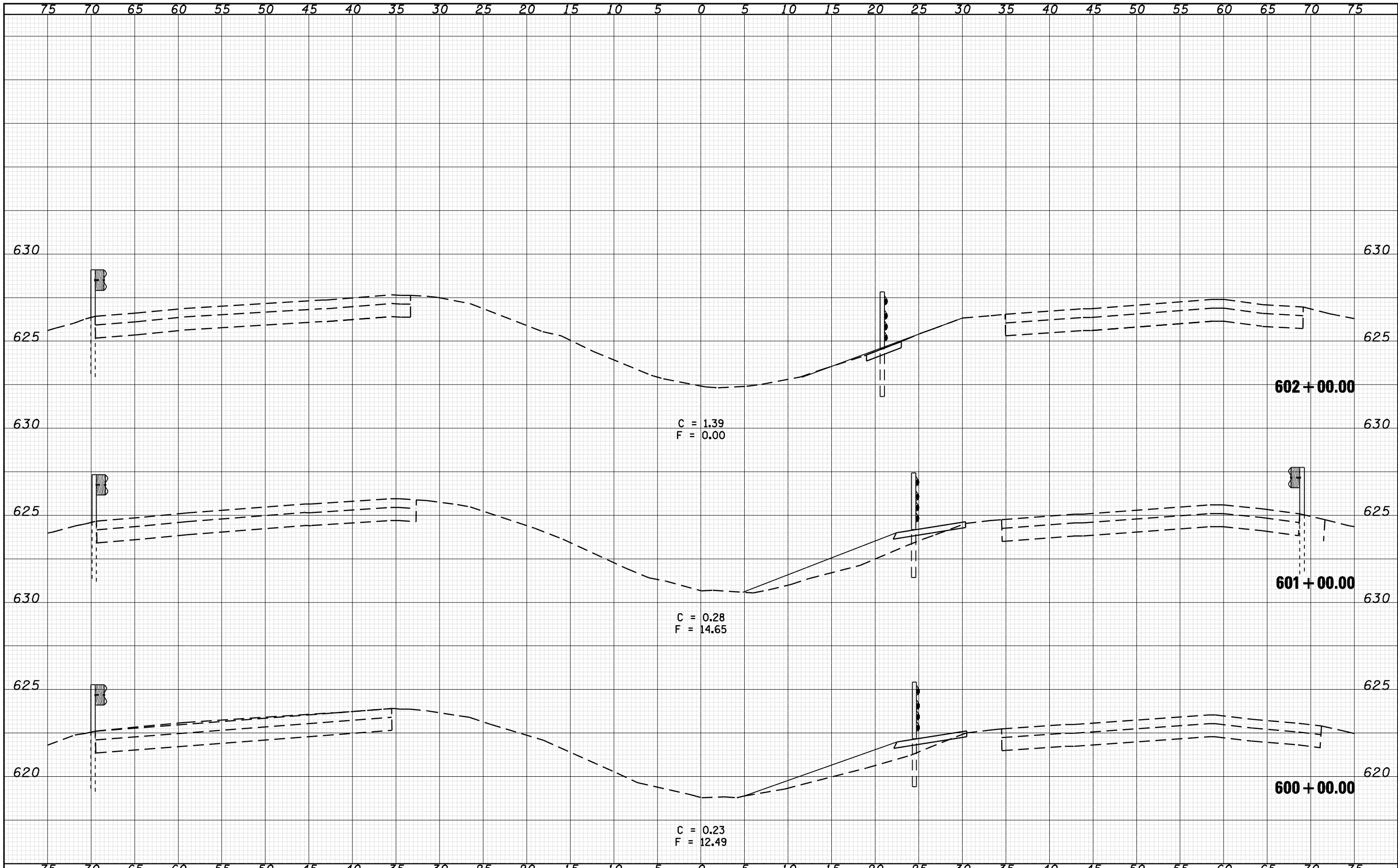
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 597+00.00 TO STA. 599+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	77
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	



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 DATE - 04/10/09

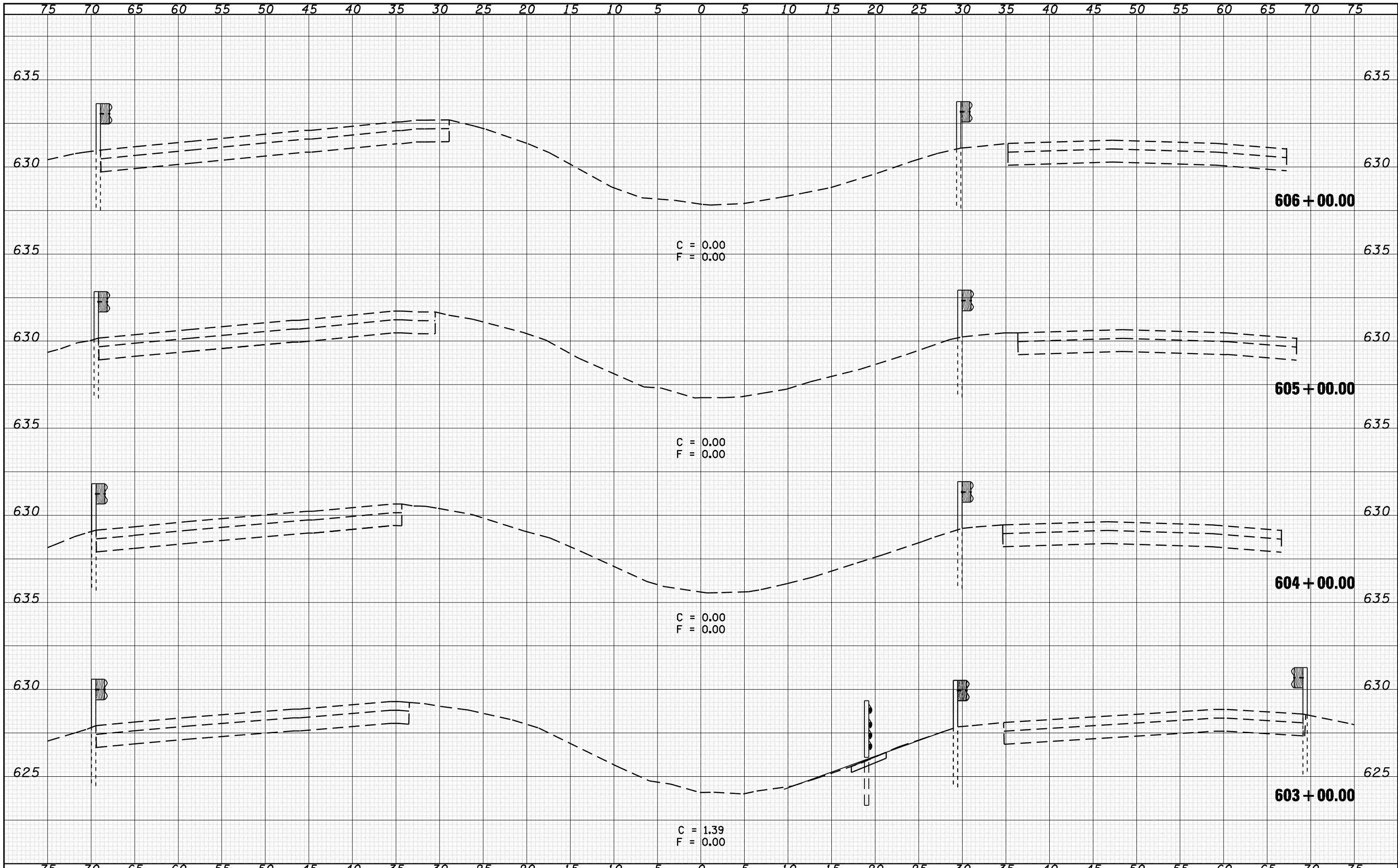
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 600+00.00 TO STA. 602+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	78
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

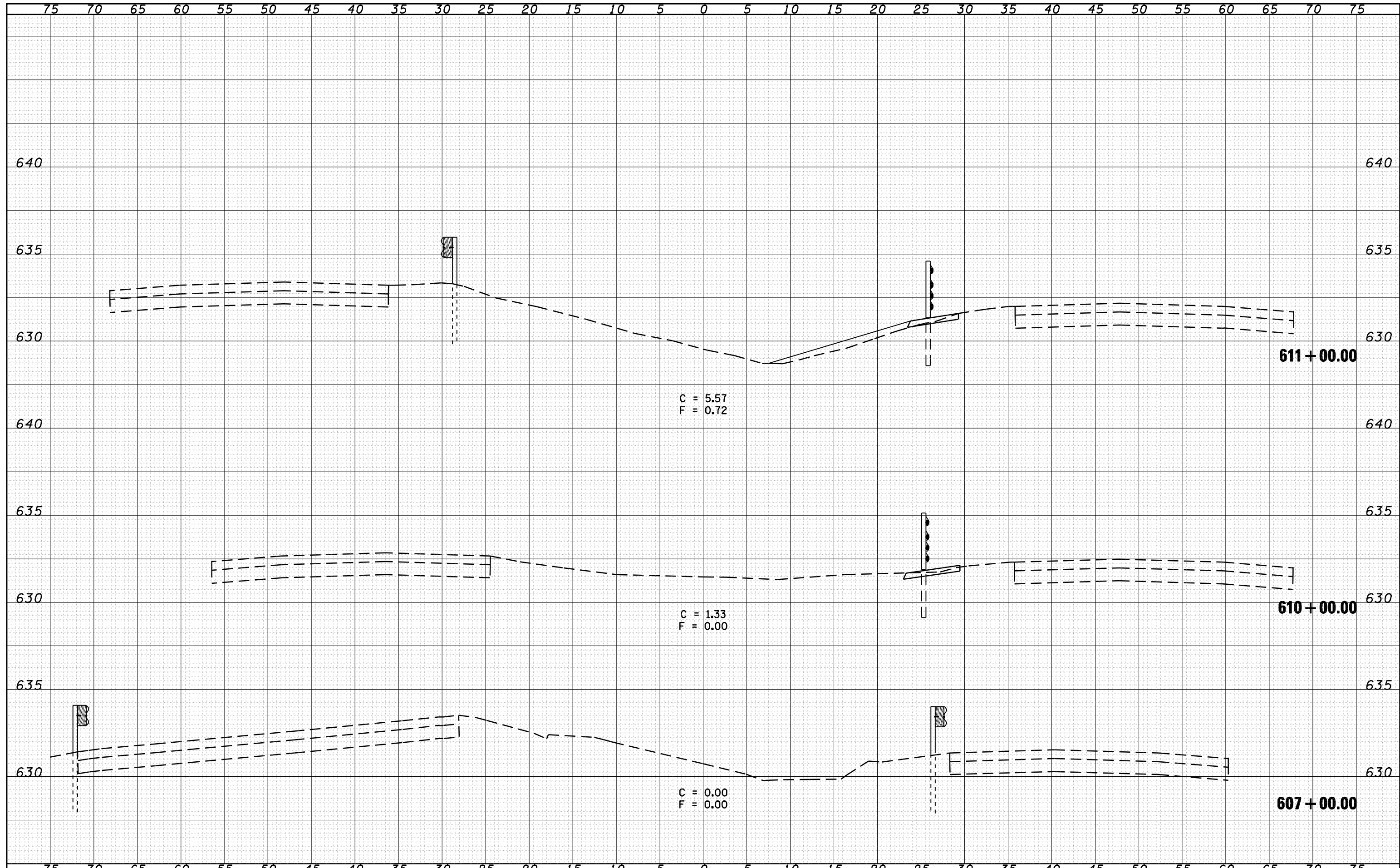
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 603+00.00 TO STA. 606+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	.	SANGAMON	100	79
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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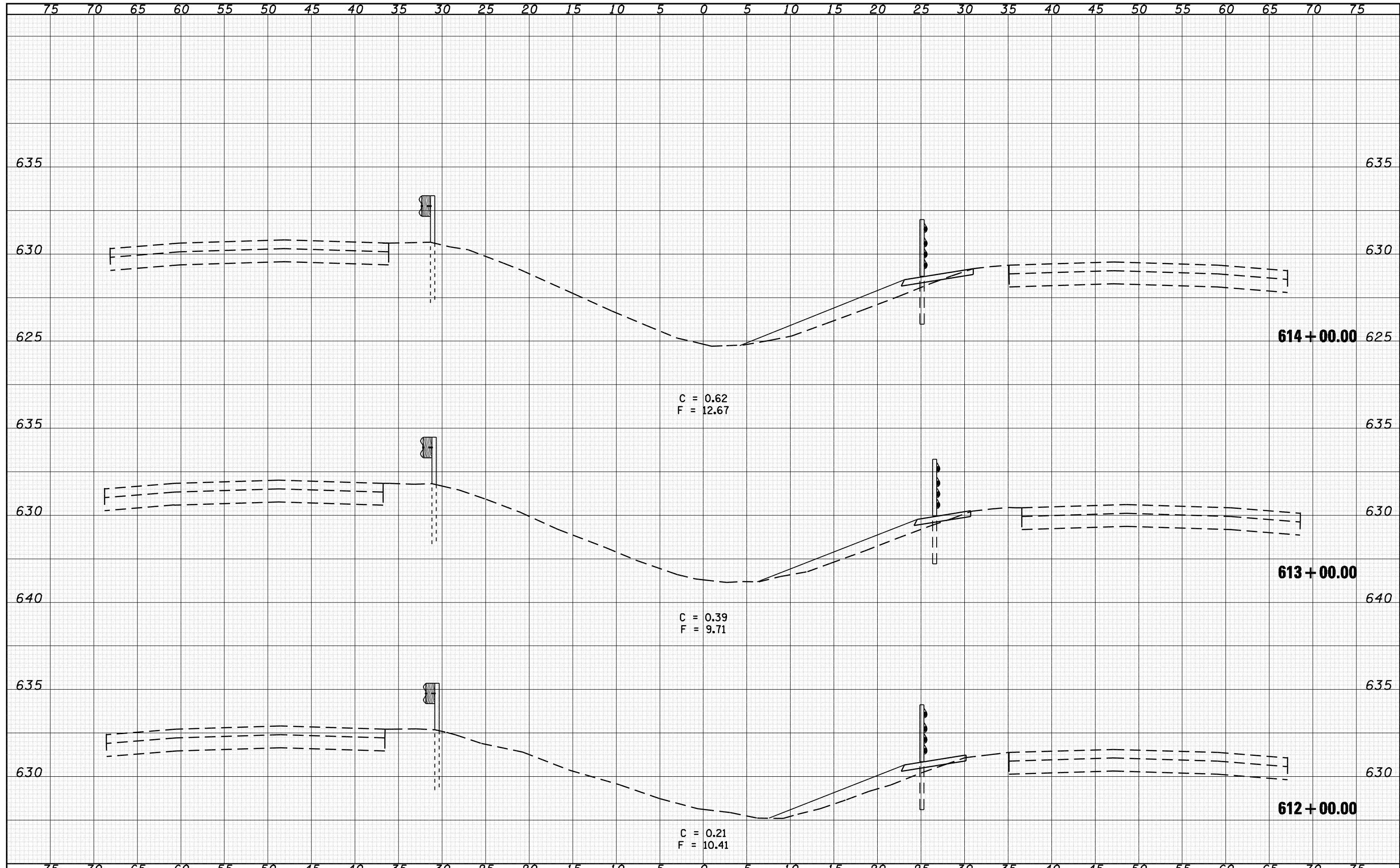
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		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		ILLINOIS FED. AID PROJECT							

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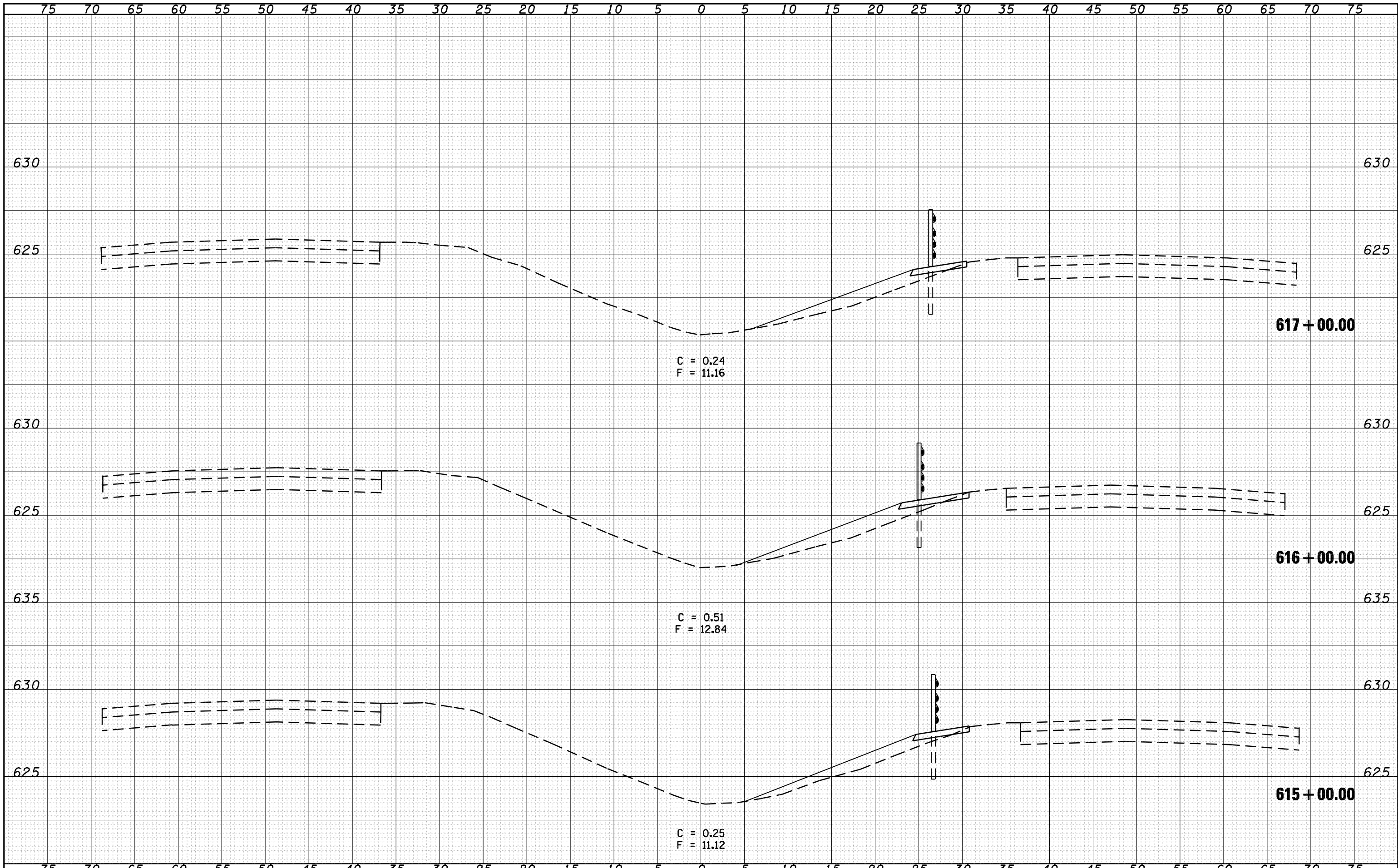
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 81
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		CHECKED - JPM	REVISED -									
		DATE - 04/10/09	REVISED -									

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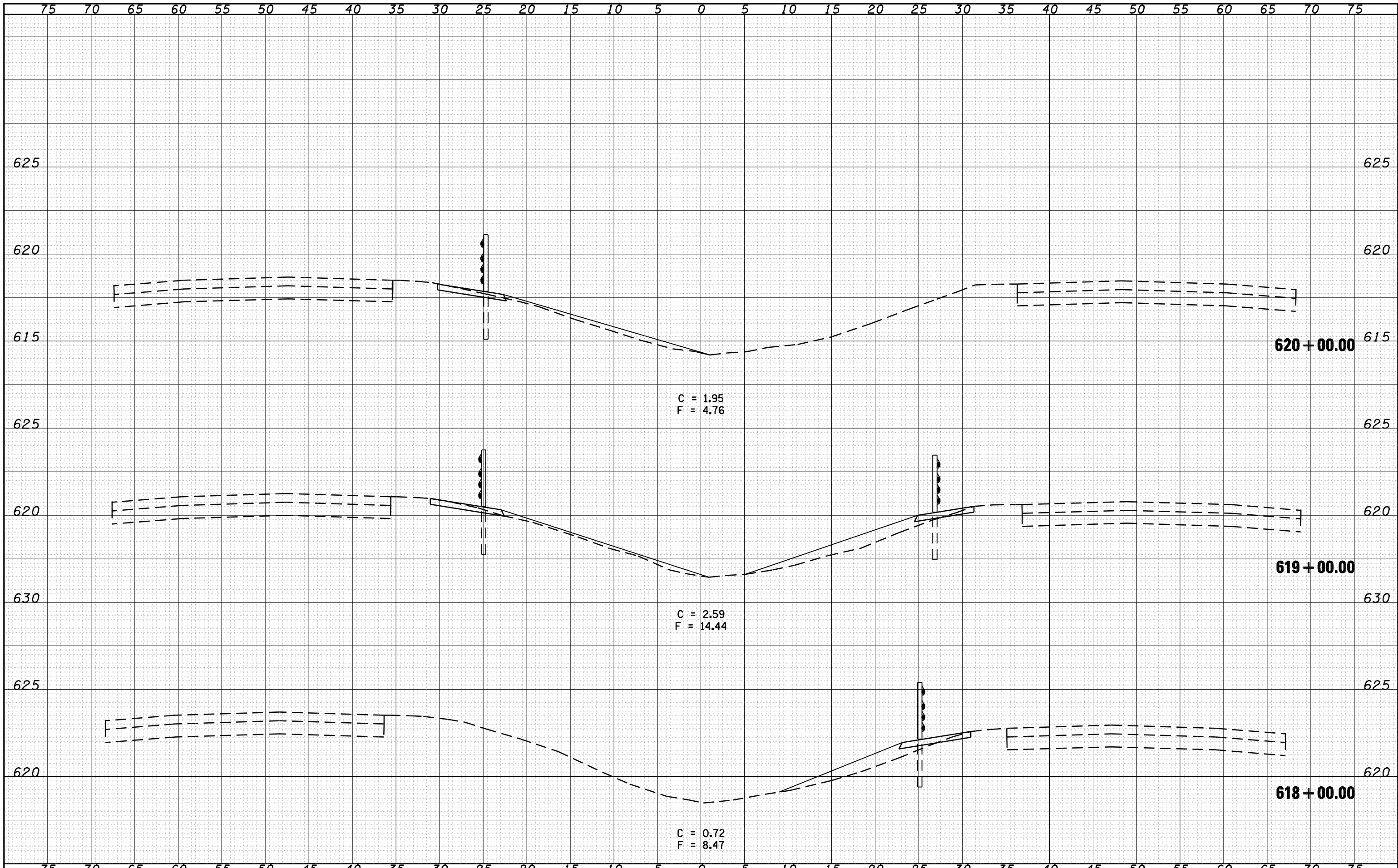
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		CHECKED - JPM	REVISIED -									
		DATE - 04/10/09	REVISIED -									

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

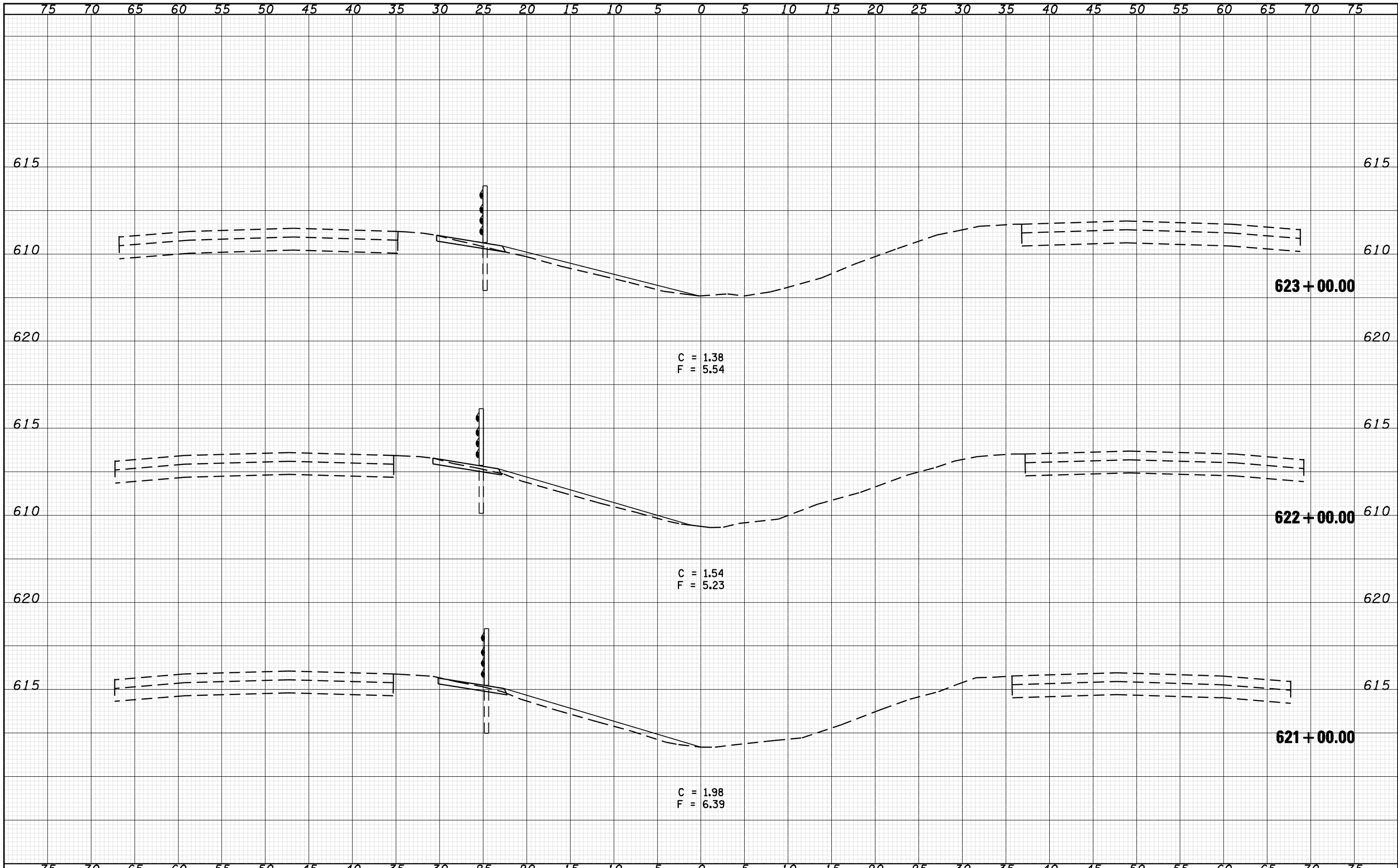
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 618+00.00 TO STA. 620+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	83
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

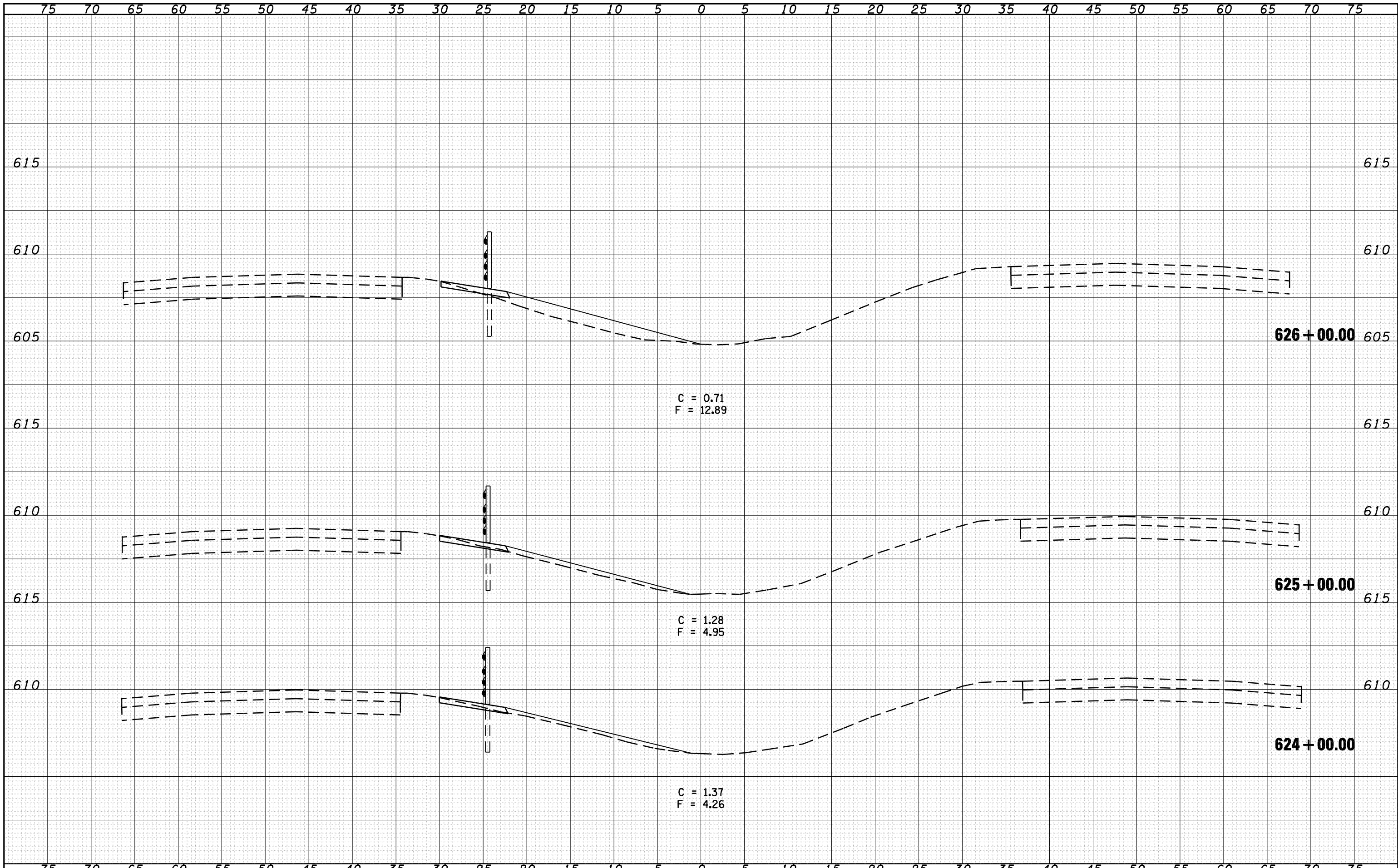
CROSS SECTIONS

SCALE: 1"=5H+2.5V SHEET NO. OF SHEETS STA. 621+00.00 TO STA. 623+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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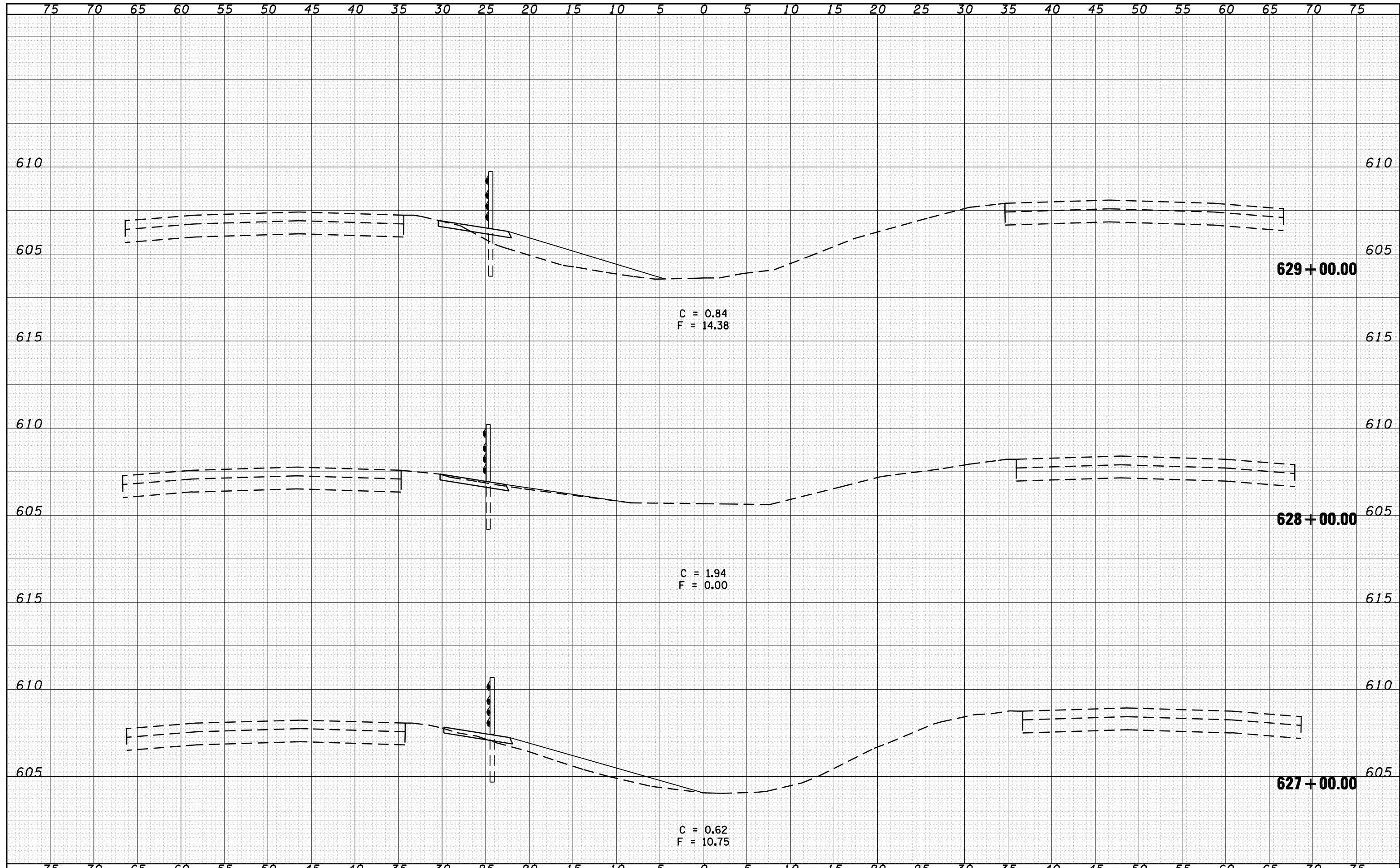
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		DATE - 04/10/09	REVISED -									

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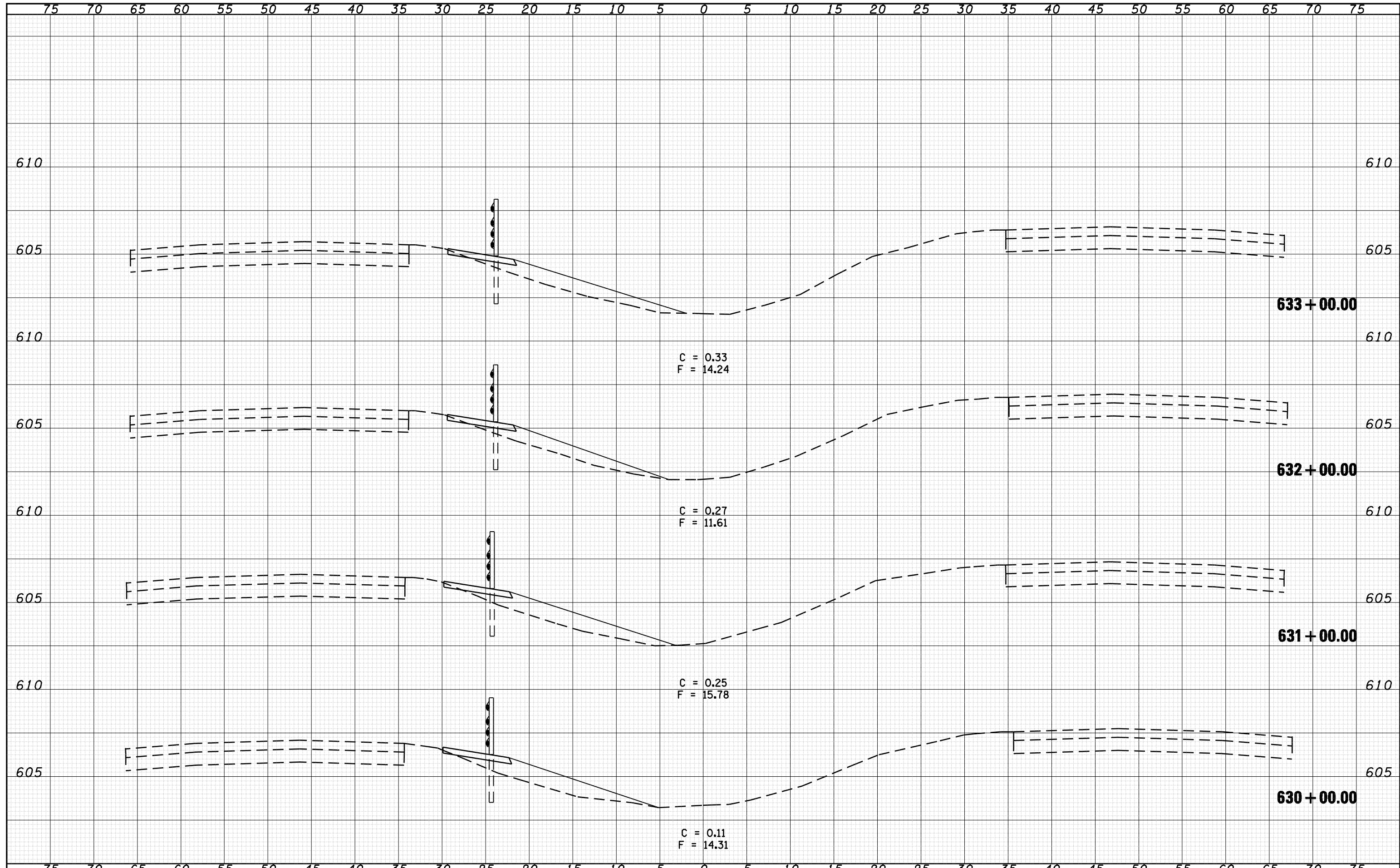
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		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		* DE CARLE/GIARDRAU 2010							

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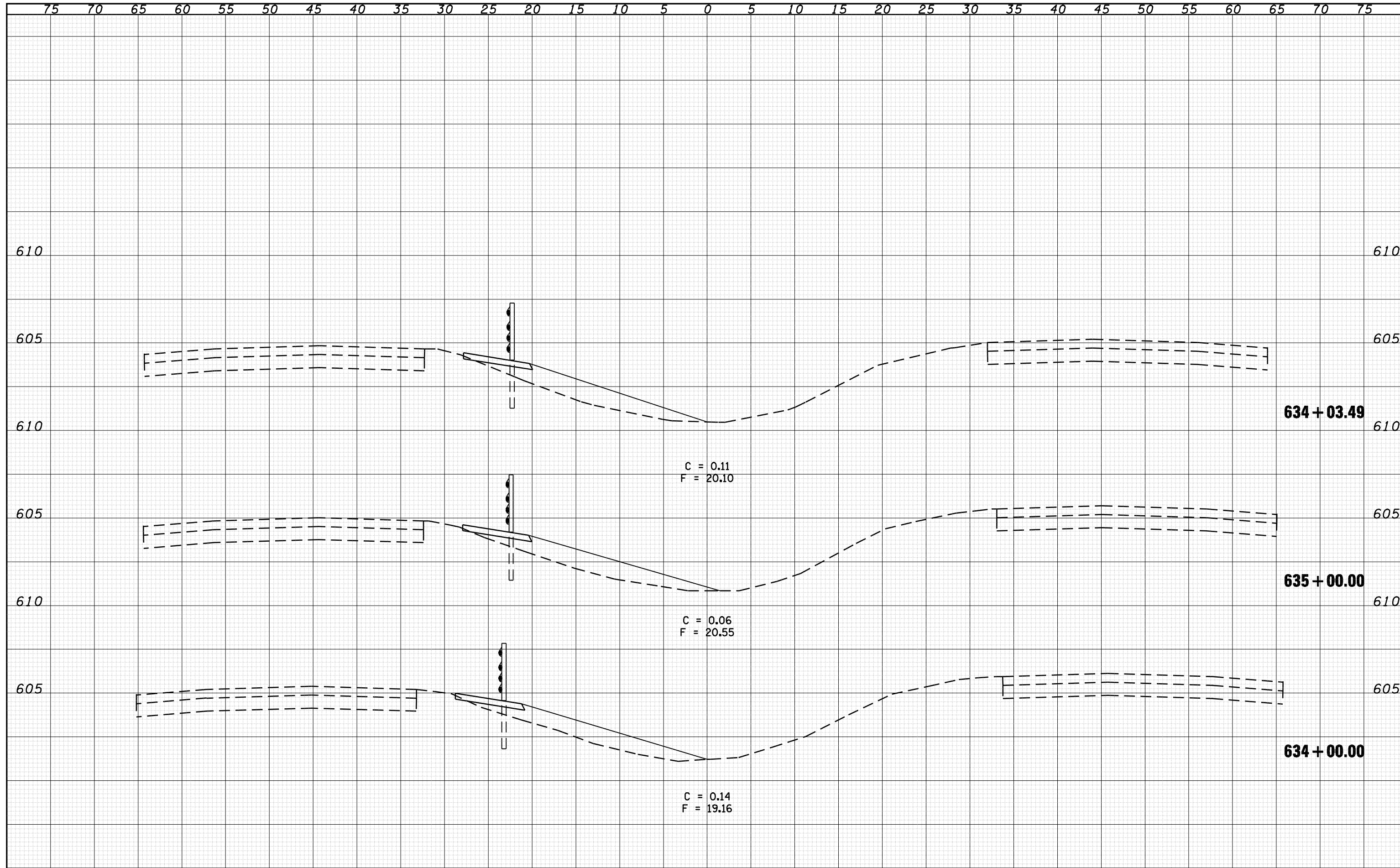
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 87
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		CHECKED - JPM	REVISED -							CONTRACT NO. 72C77		
		DATE - 04/10/09	REVISED -							* DE CARLE/GIARDRAI 2010		

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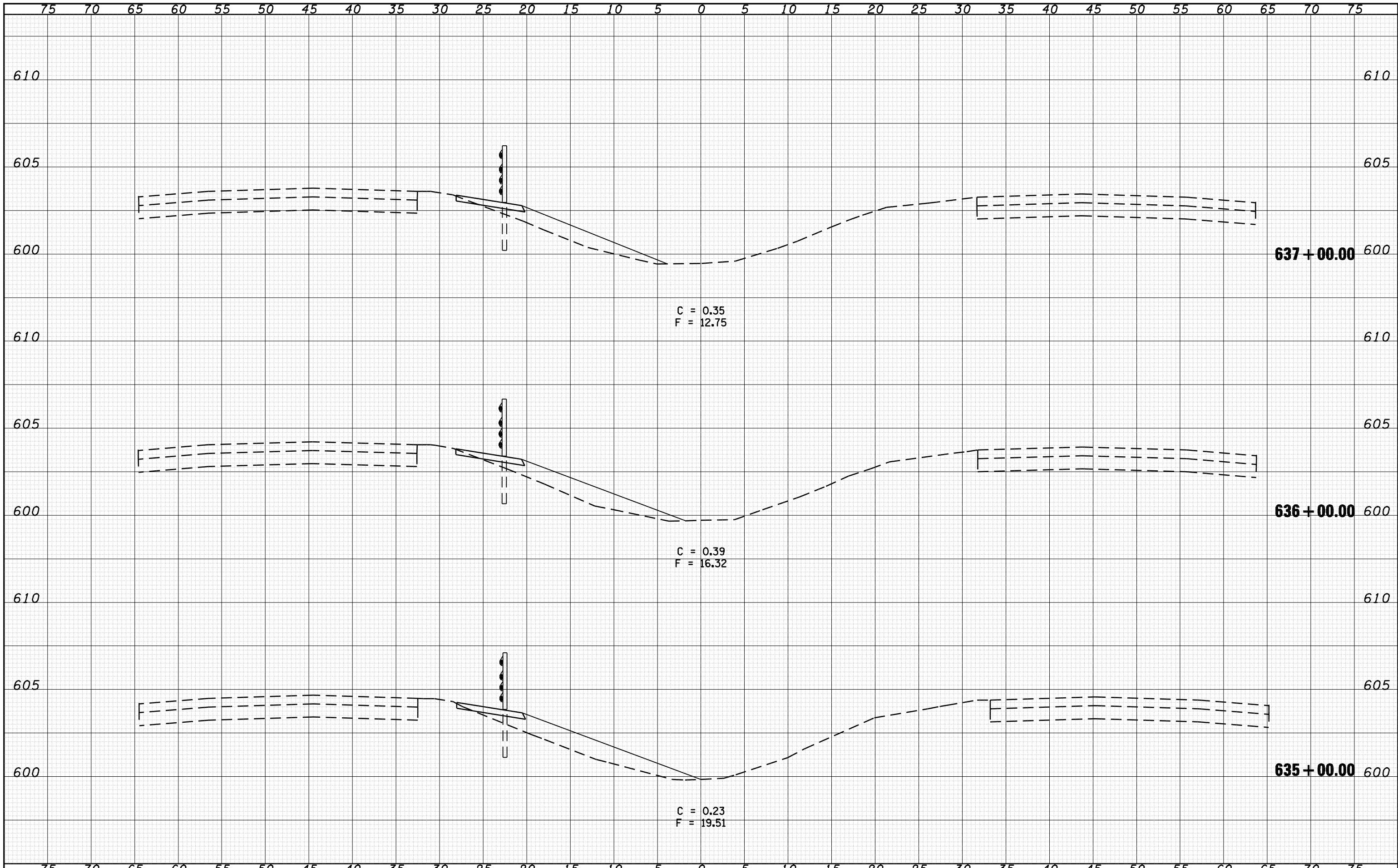
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 88
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		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY NO.	
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FILE NAME = o:\pwwork\PWIDOT\LAUGHLINRL\0128581\0672C77-
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 DRAWN - BKL
 CHECKED - JPM
 DATE - 04/10/09
 PLOT SCALE = 10.0000 ' / IN.
 PLOT DATE = May-07-2009 10:18:54AM

DESIGNED	- BKL	REVISED	-
DRAWN	- BKL	REVISED	-
CHECKED	- JPM	REVISED	-
DATE	- 04/10/09	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

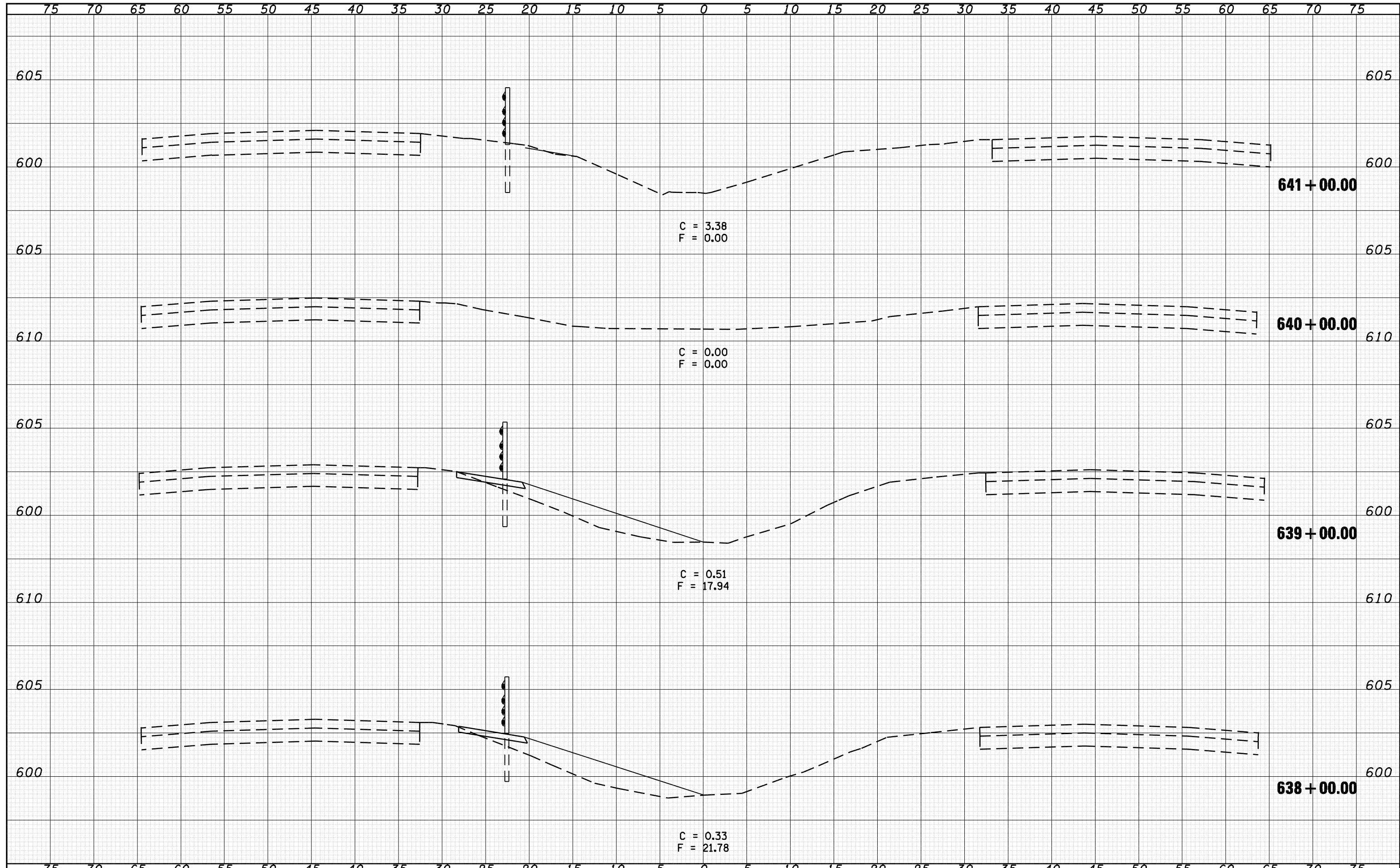
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 635+00.00 TO STA. 637+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

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

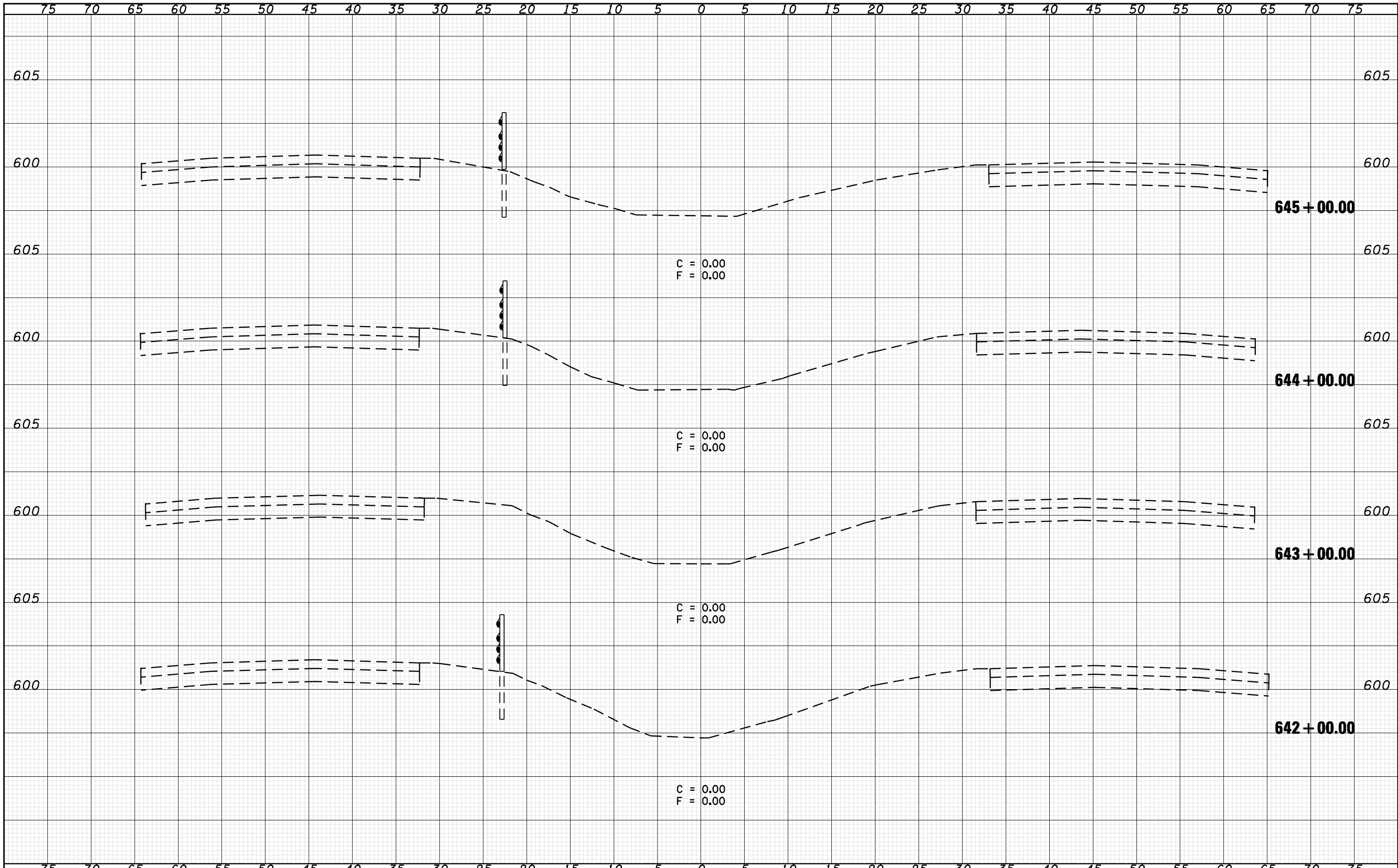
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 90
o:\pwwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	sh-t-xash.tdgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 638+00.00 TO STA. 641+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISIED -		* DE CARLE/GIARDRAI 2010							

DATE	
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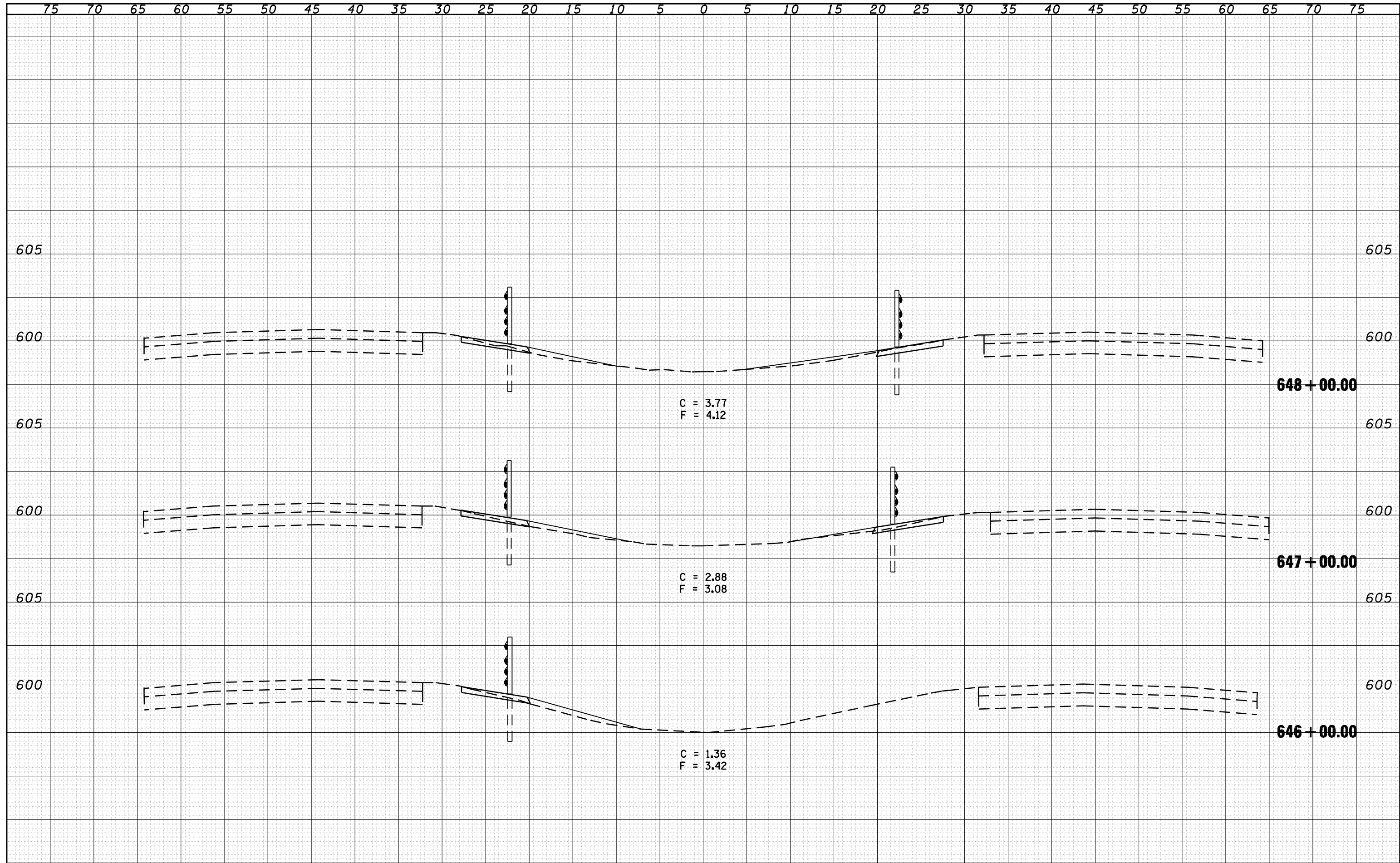
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 91
o:\pwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	ght-xash.tdgn	DRAWN - BKL	REVISED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 642+00.00 TO STA. 645+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISED -		CONTRACT NO. 72C77							
		DATE - 04/10/09	REVISED -		ILLINOIS FED. AID PROJECT							

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DESIGNED - BKL
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

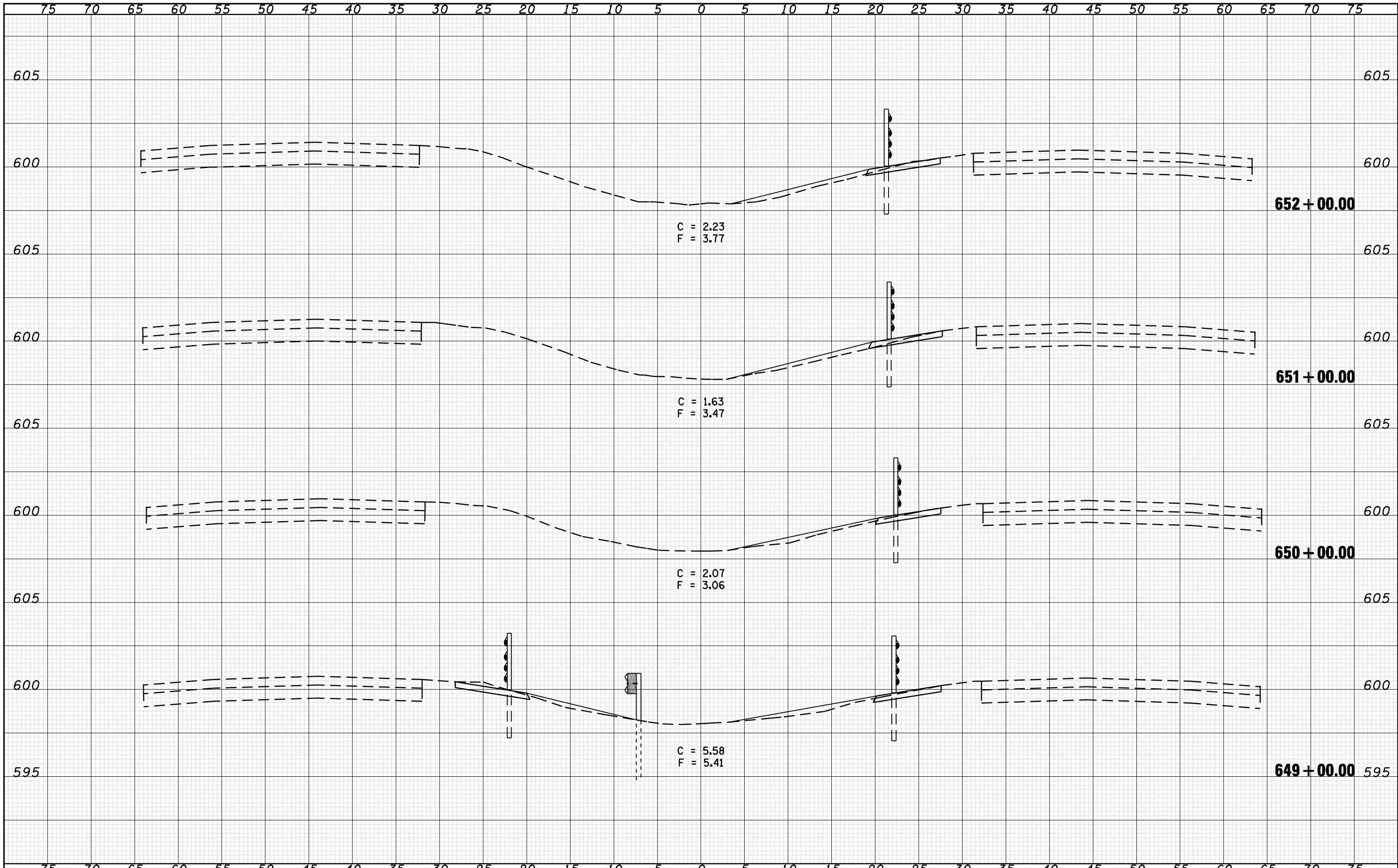
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 646+00.00 TO STA. 648+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

DATE	
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FINAL SURVEY NOTE BOOK NO.	

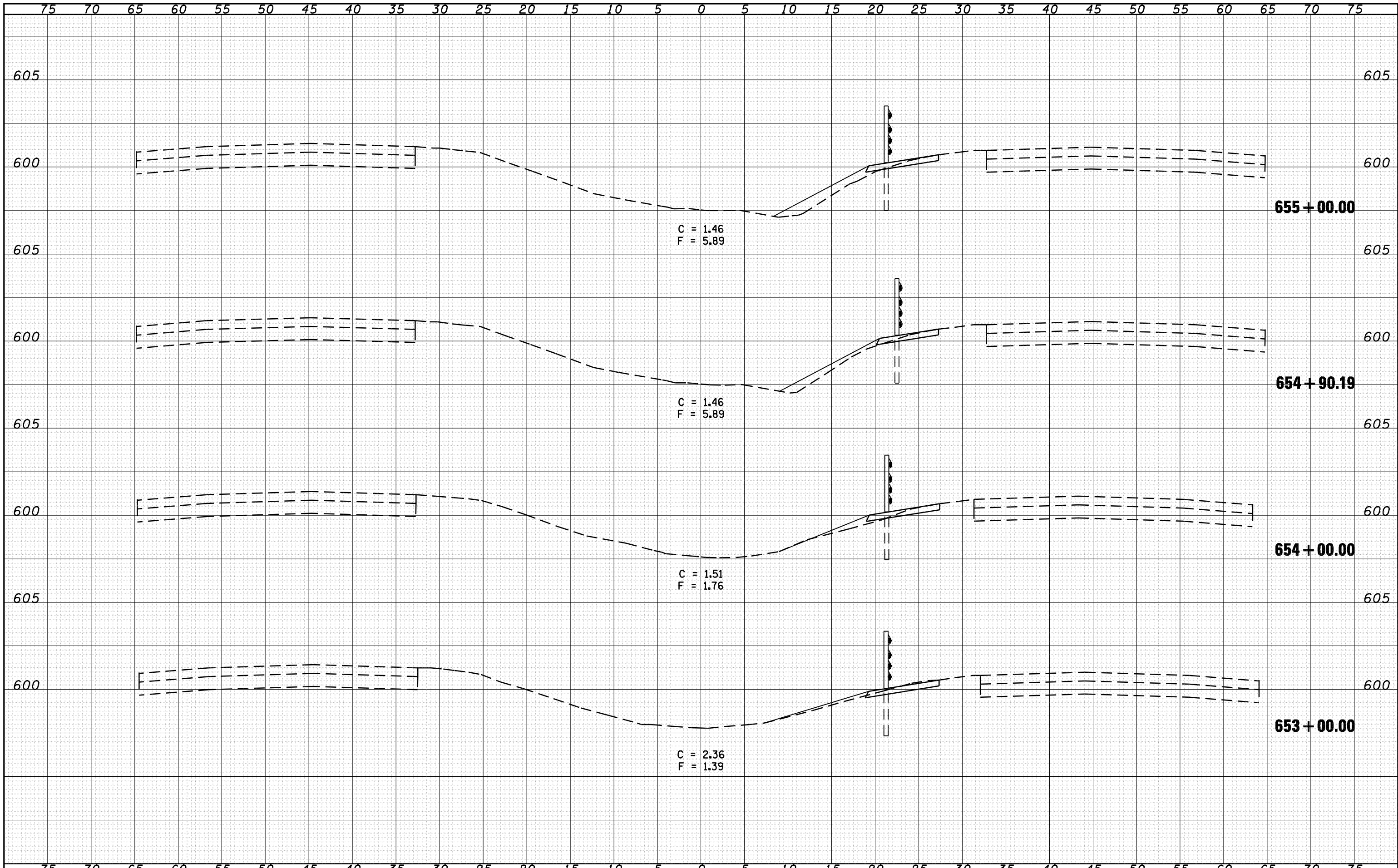
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 93
o:\pwork\PWIDOT\LAUGHLINRL\0128581\0672C77		DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 649+00.00 TO STA. 652+00.00	ILLINOIS FED. AID PROJECT				
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DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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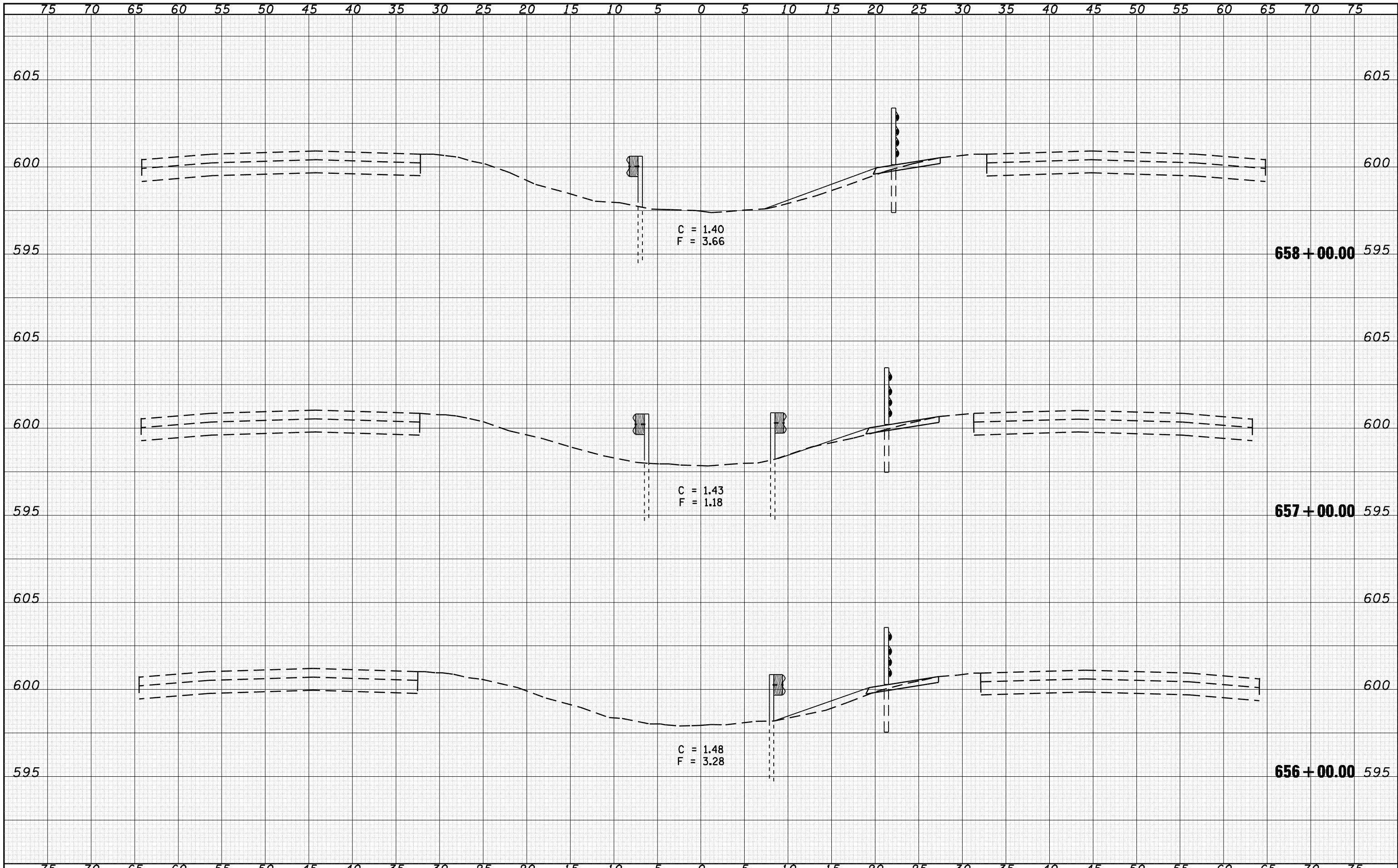
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 94
o:\pwork\PWIDOT\LAUGHLINRL\d0128581\0672C77		DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 653+00.00 TO STA. 655+00.00	ILLINOIS FED. AID PROJECT				
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY NOTE BOOK NO.	

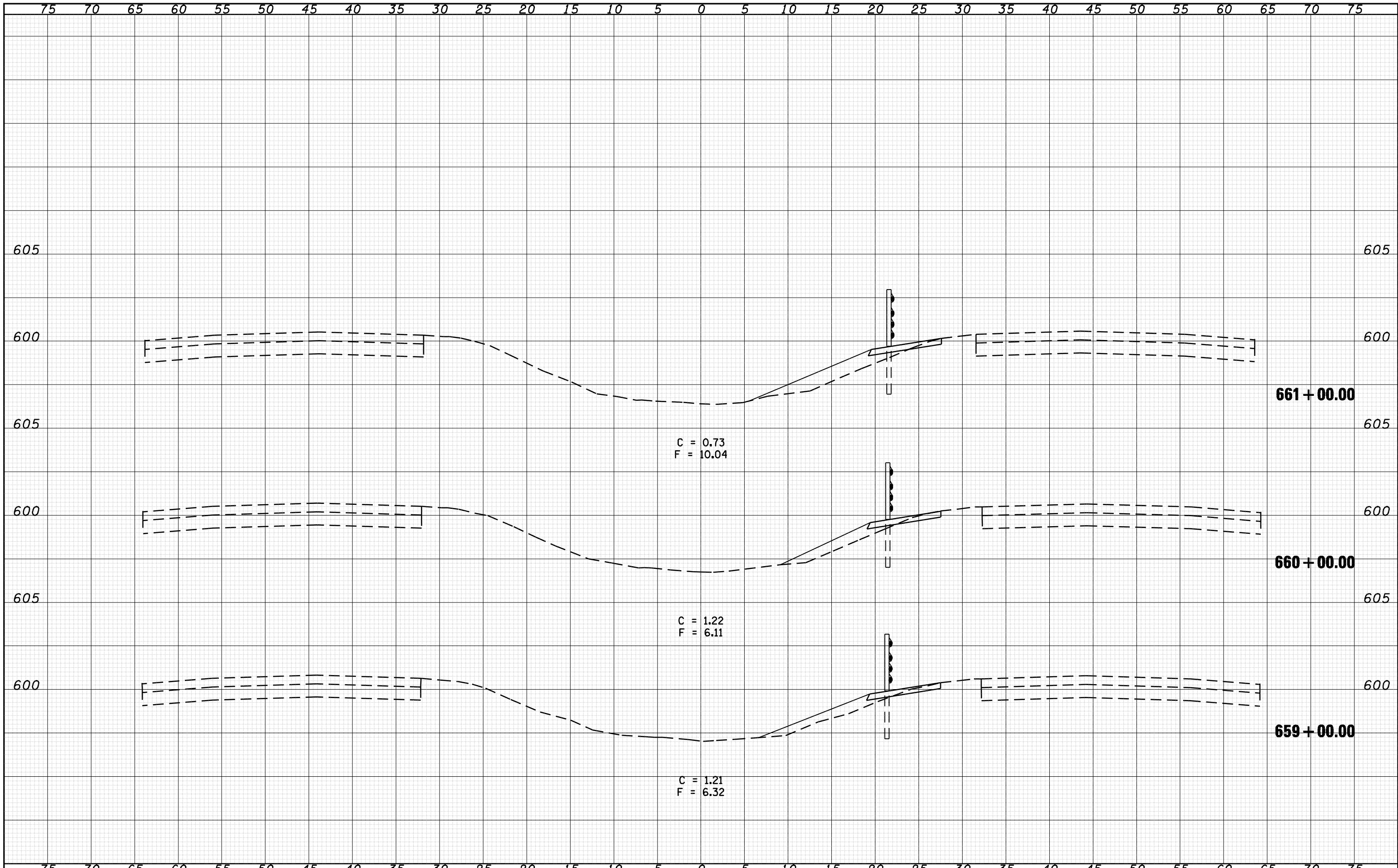
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.T. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 95
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		CHECKED - JPM	REVISED -		CONTRACT NO. 72C77								
		DATE - 04/10/09	REVISED -		* DE CARLE/GIARDRAU 2010								

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

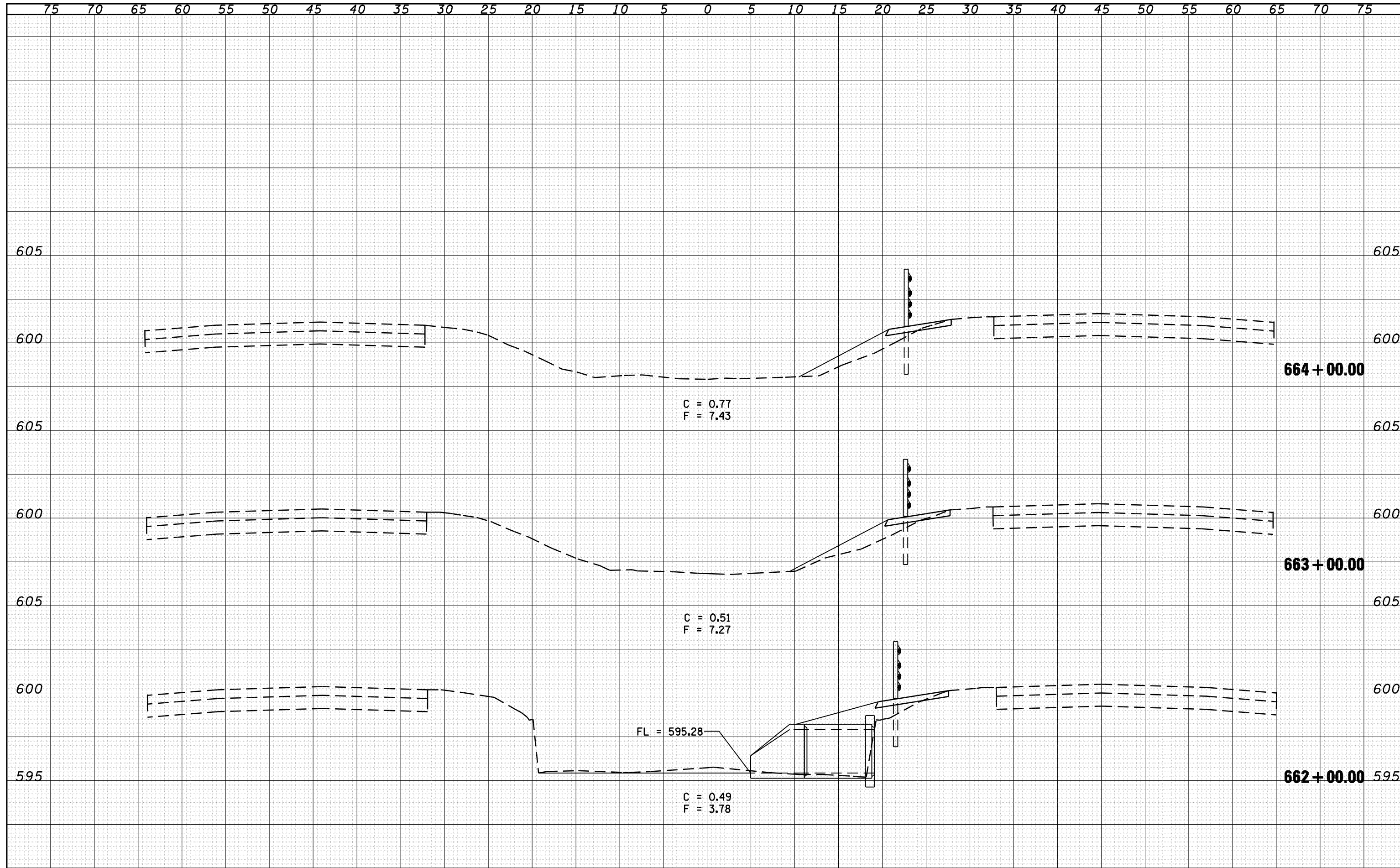
CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 659+00.00 TO STA. 661+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	96
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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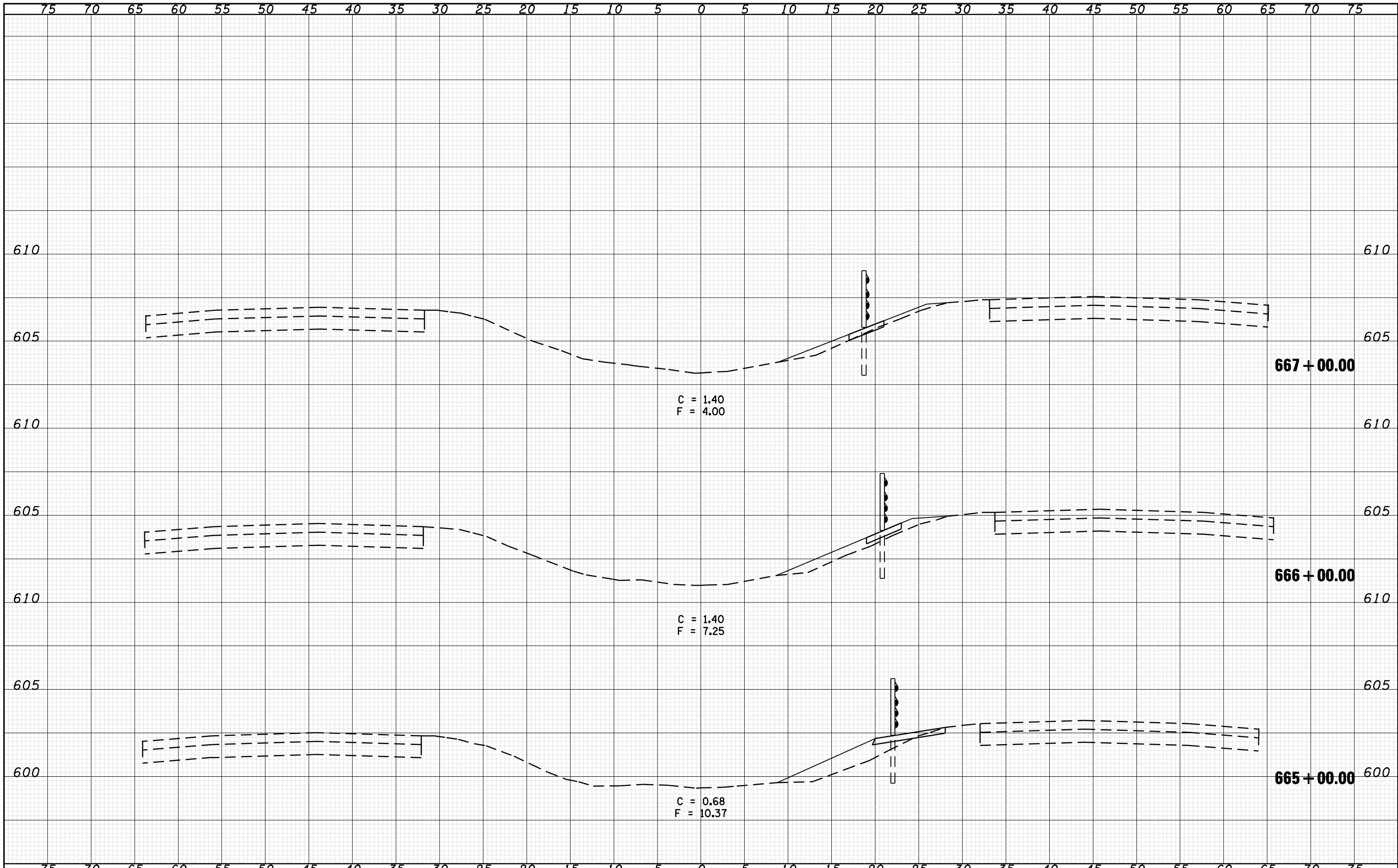
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 97
o:\pwork\PWIDOT\LAUGHLINRL\d0128581\0672C77		DRAWN - BKL	REVISIED -		SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 662+00.00	TO STA. 664+00.00	ILLINOIS FED. AID PROJECT		
PLOT SCALE = 10.0000 "/ IN.		CHECKED - JPM	REVISIED -									
PLOT DATE = May-07-2009 10:35:09AM		DATE - 04/10/09	REVISIED -									

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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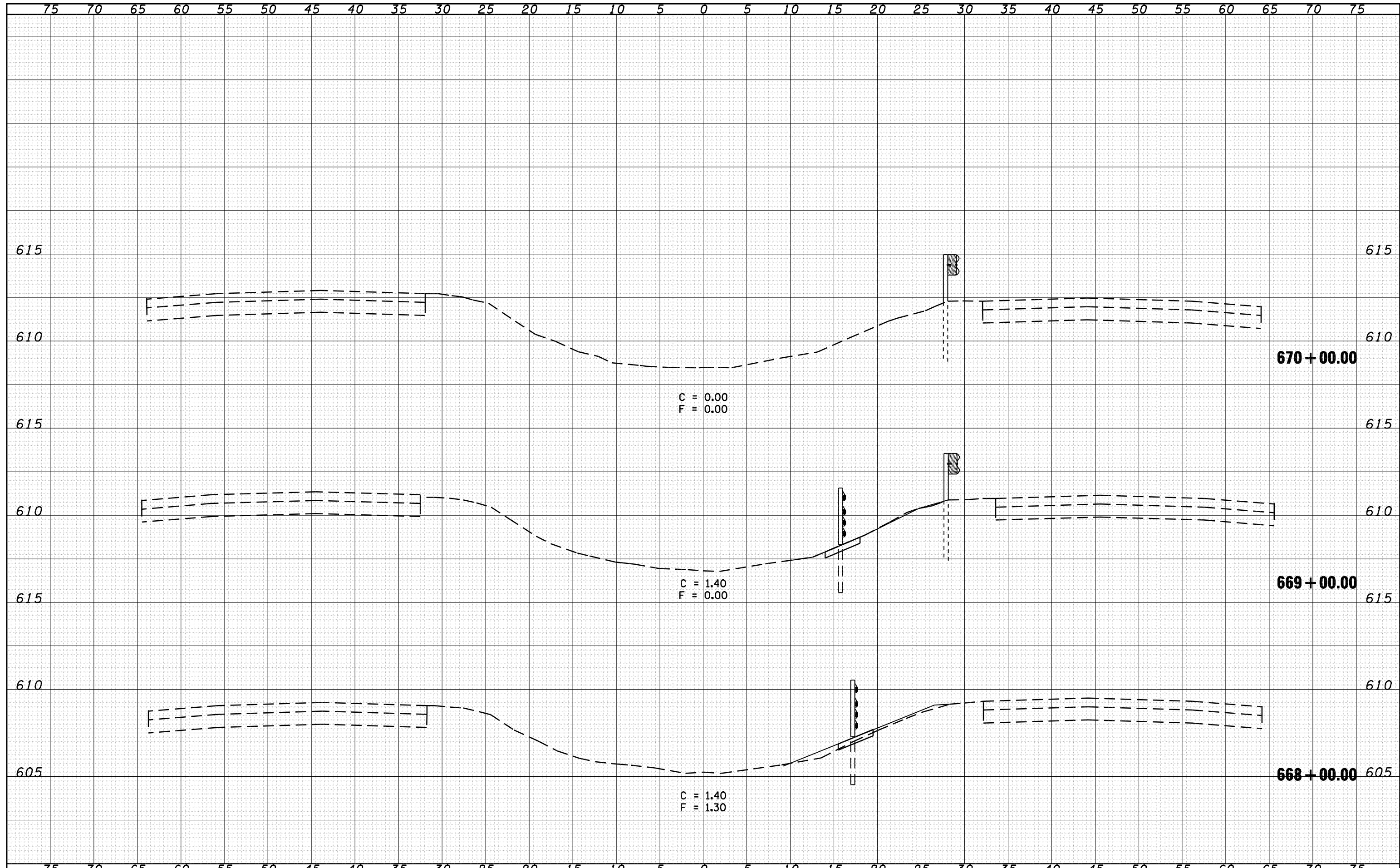
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - BKL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. 72	SECTION *	COUNTY SANGAMON	TOTAL SHEETS 100	SHEET NO. 98
o:\pwork\PWIDOT\LAUGHLINRL\d0128581\0672C77	ght-xash.dgn	DRAWN - BKL	REVISIED -		SCALE: 1"=5H+2.5V	SHEET NO.	OF SHEETS	STA. 665+00.00 TO STA. 667+00.00	ILLINOIS FED. AID PROJECT			
		CHECKED - JPM	REVISIED -									
		DATE - 04/10/09	REVISIED -									

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

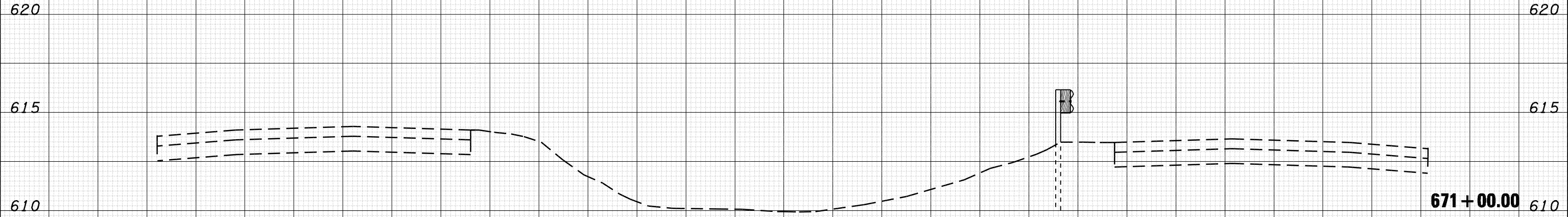
CROSS SECTIONS			
SCALE: 1"=5Hx2.5V	SHEET NO.	OF SHEETS	STA. 668+00.00 TO STA. 670+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	SANGAMON	100	99
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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 CHECKED - JPM
 DATE - 04/10/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=5Hx2.5V SHEET NO. OF SHEETS STA. 671+00.00 TO STA. 671+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	•	SANGAMON	100	100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72C77	