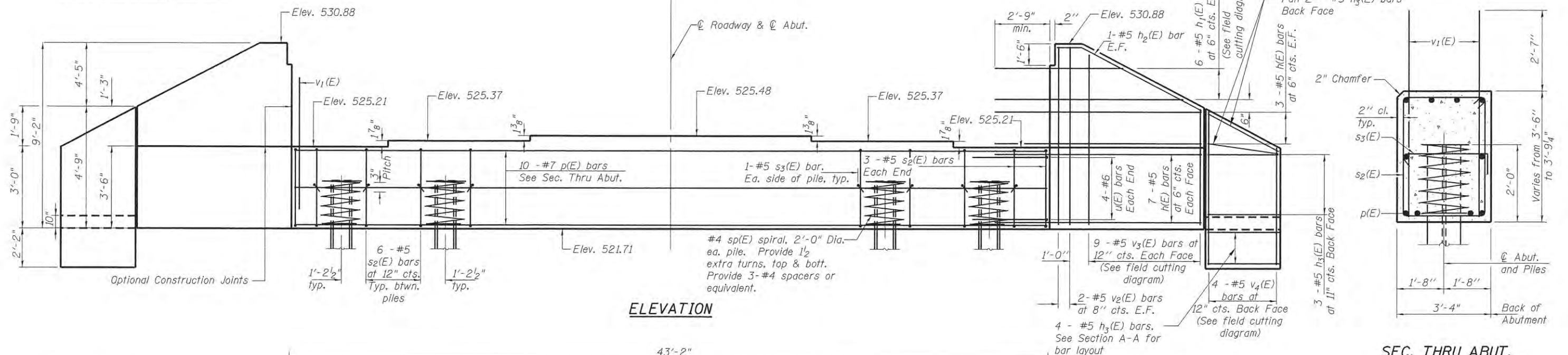


Notes:  
Four steps monolithically with cap.



**ELEVATION**

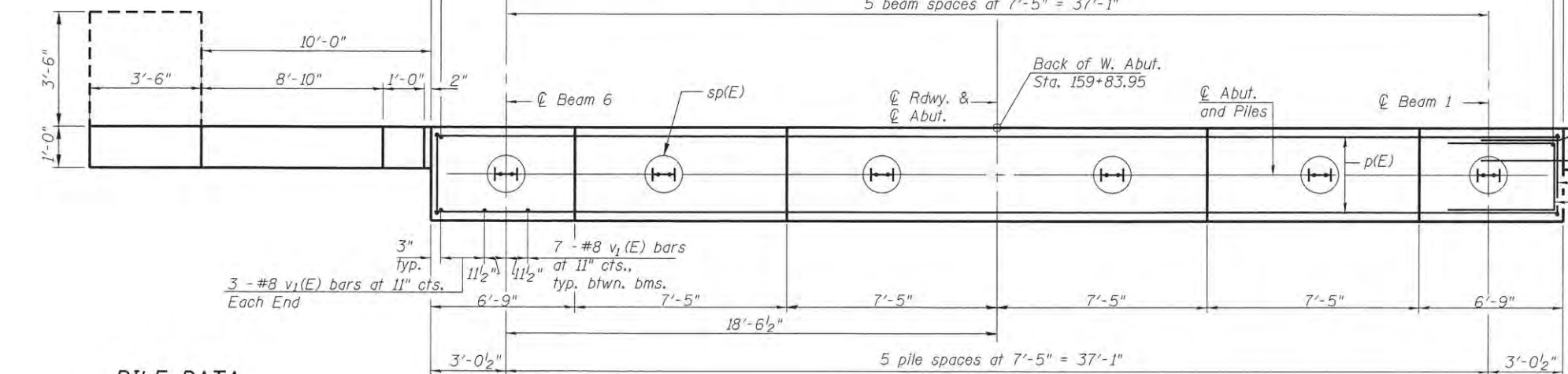
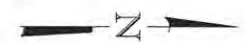
**SEC. THRU ABUT.**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	40	#5	12'-8"	—
h1(E)	12	#5	18'-11"	—
h2(E)	4	#5	10'-6"	—
h3(E)	30	#5	3'-2"	—
p(E)	10	#7	42'-10"	—
s2(E)	36	#5	13'-3"	□
s3(E)	12	#5	4'-0"	┌
sp(E)	6	#4	2'-0"	≡≡≡
u(E)	8	#6	10'-6"	▭
v1(E)	85	#8	5'-11"	—
v2(E)	8	#5	8'-10"	—
v3(E)	18	#5	13'-0"	—
v4(E)	4	#5	11'-3"	—
z(E)	10	#5	6'-9"	└

Structure Excavation	Cu. Yd.	142.4
Concrete Structures	Cu. Yd.	27.1
Reinforcement Bars, Epoxy Coated	Pound	4,540
Furnishing Steel Piles, HP14x102	Foot	215
Driving Piles	Foot	215
Test Pile, Steel HP 14x102	Each	1

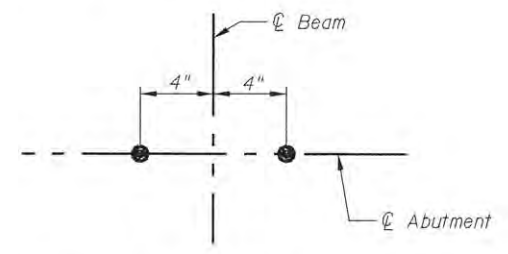
For details of piles see sheet 17 of 20. For Section A-A see sheet 16 of 20. \*Length is height of spiral



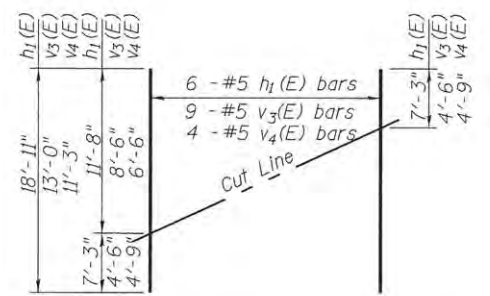
**PLAN**

**PILE DATA**

Type: HP 14x102  
Nominal Required Bearing: 762 kips  
Factored Resistance Available: 419 kips  
Est. Length: 43'  
No. Production Piles: 5  
No. Test Piles: 1

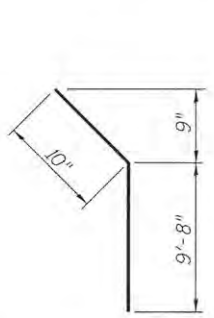


**ANCHOR BOLT LAYOUT**

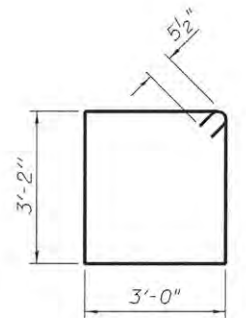


**FIELD CUTTING DIAGRAM**

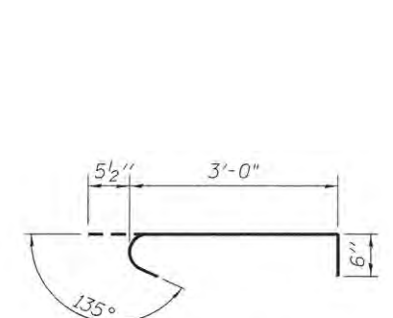
Order h1(E), v3(E) and v4(E) full length. Cut as shown and use remainder of bars in opposite face or wingwall.



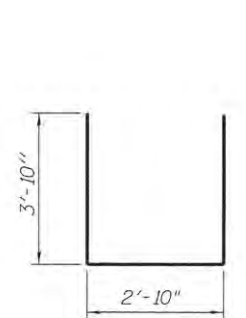
**BAR h2(E)**



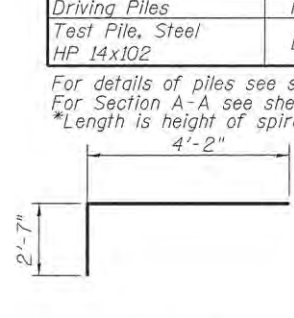
**BAR s2(E)**



**BAR s3(E)**



**BAR u(E)**



**BAR z(E)**

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

WEST ABUTMENT  
STRUCTURE NO. 072-3153

SHEET 14 OF 20 SHEETS

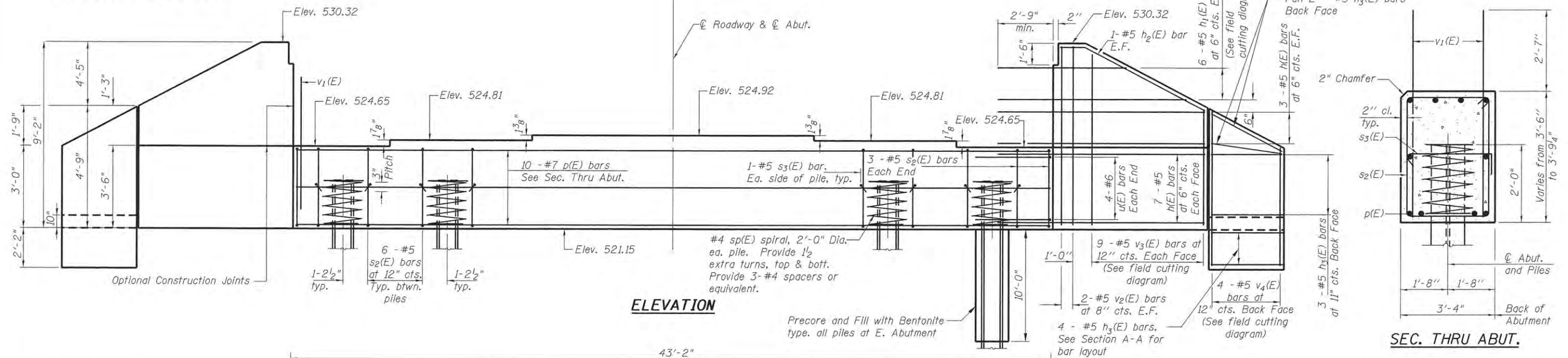
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	101

CONTRACT NO. 89676  
ILLINOIS FED. AID PROJECT



USER NAME	= brennor	DESIGNED	= KEF	REVISED	=
FILENAME	= D414274-sh014-West Abutment.dgn	CHECKED	= BKR	REVISED	=
PLOT SCALE	=	DRAWN	= DDB	REVISED	=
PLOT DATE	= 7/11/2016	CHECKED	= 07/13/16	REVISED	=

Notes:  
Pour steps monolithically with cap.



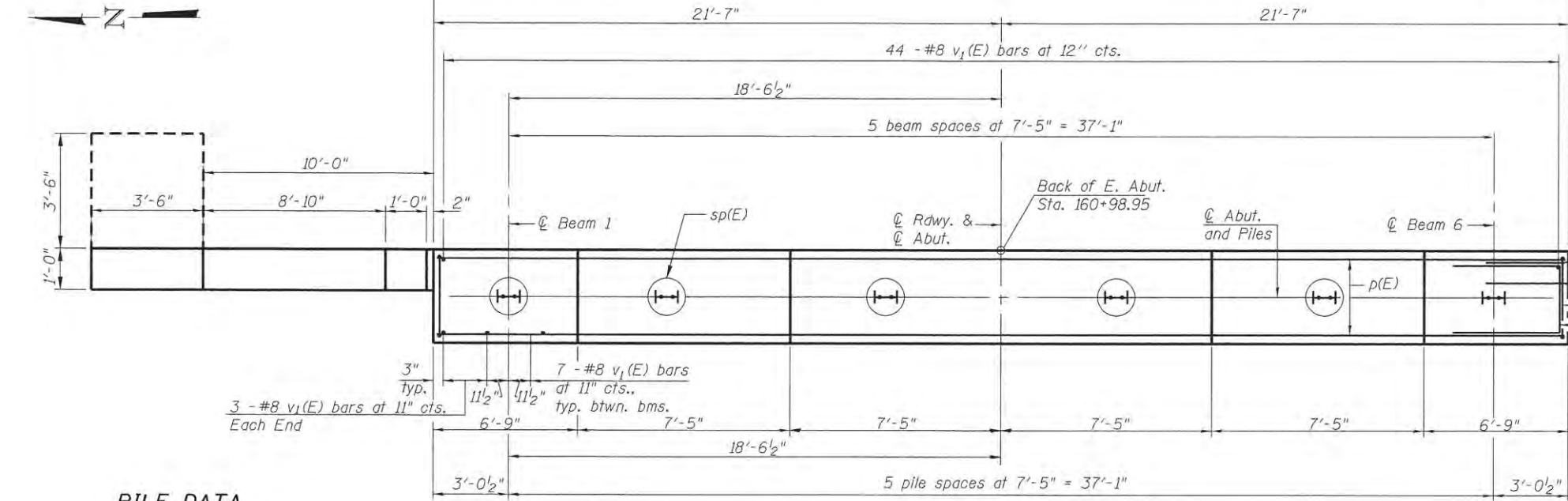
**SEC. THRU ABUT.**



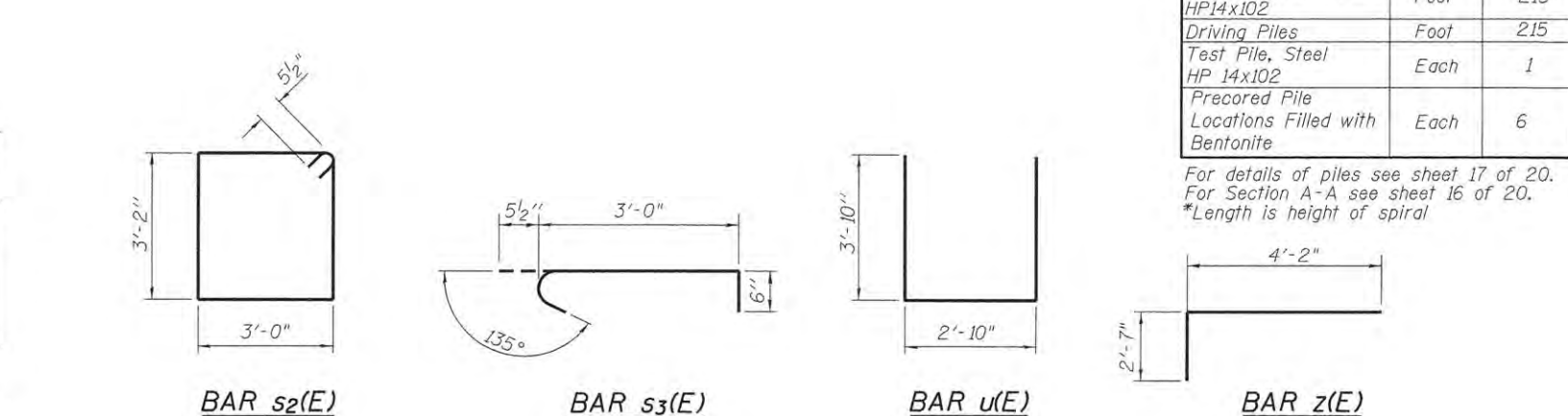
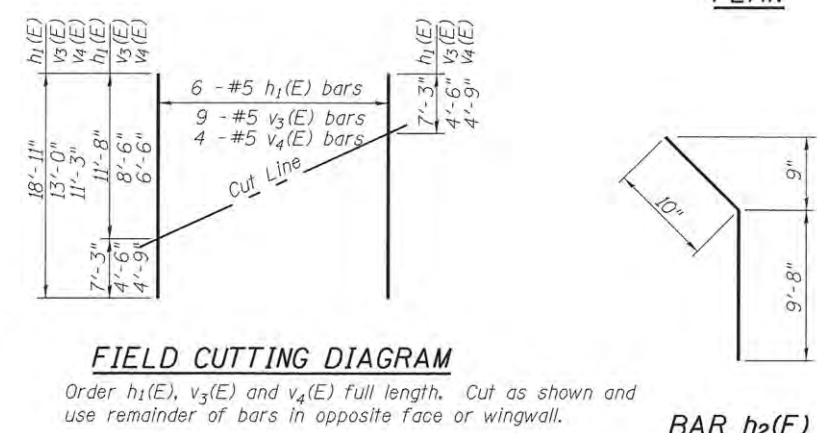
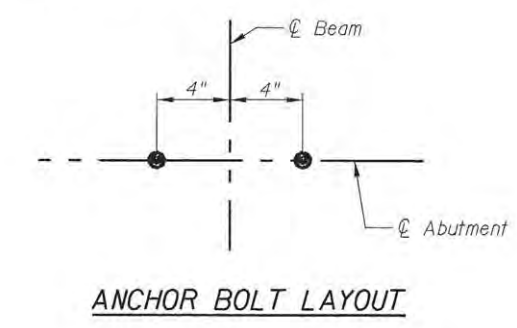
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	40	#5	12'-8"	—
h <sub>1</sub> (E)	12	#5	18'-11"	—
h <sub>2</sub> (E)	4	#5	10'-6"	—
h <sub>3</sub> (E)	30	#5	3'-2"	—
p(E)	10	#7	42'-10"	—
s <sub>2</sub> (E)	36	#5	13'-3"	□
s <sub>3</sub> (E)	12	#5	4'-0"	┌
sp(E)	6	#4	2'-0"	≡≡≡
u(E)	8	#6	10'-6"	□
v <sub>1</sub> (E)	85	#8	5'-11"	—
v <sub>2</sub> (E)	8	#5	8'-10"	—
v <sub>3</sub> (E)	18	#5	13'-0"	—
v <sub>4</sub> (E)	4	#5	11'-3"	—
z(E)	10	#5	6'-9"	└
Structure Excavation		Cu. Yd.	153.3	
Concrete Structures		Cu. Yd.	27.1	
Reinforcement Bars, Epoxy Coated		Pound	4,540	
Furnishing Steel Piles, HP14x102		Foot	215	
Driving Piles		Foot	215	
Test Pile, Steel HP 14x102		Each	1	
Precored Pile Locations Filled with Bentonite		Each	6	

For details of piles see sheet 17 of 20.  
For Section A-A see sheet 16 of 20.  
\*Length is height of spiral



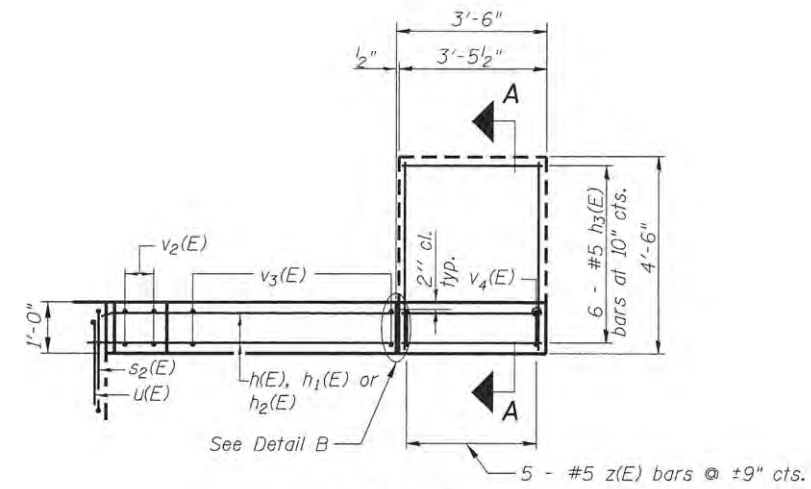
**PILE DATA**  
Type: HP 14x102  
Nominal Required Bearing: 762 kips  
Factored Resistance Available: 419 kips  
Est. Length: 43'  
No. Production Piles: 5  
No. Test Piles: 1



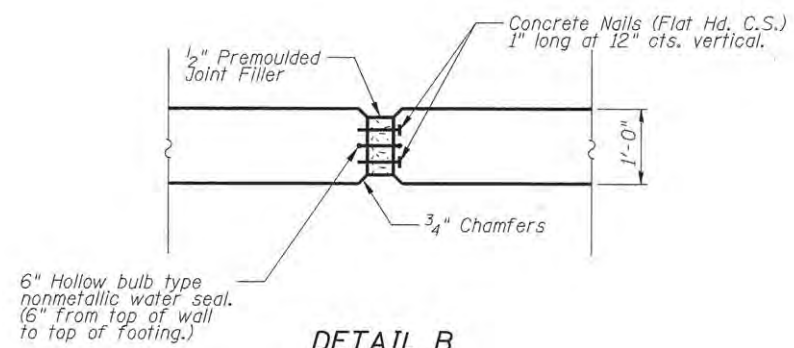
T:\Projects\14-274 Peoria County Lancaster Rd\Design\Structural\CADD Sheets\0414274-ah015-East Abutment.dgn 5:58:46 PM 7/11/2016



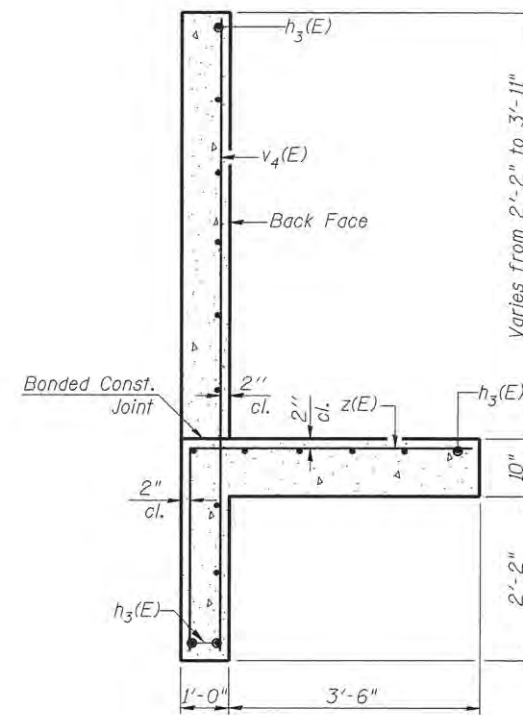
T:\Projects\14274\_Peoria County Lancaster Rd\Design\Structural\CADD Sheets\0414274-sh016-Abutment Details.dgn  
 7/11/2016 5:56:47 PM



**DETAIL A**



**DETAIL B**



**SECTION A-A**

Locations of Section A-A are shown on sheets 14 and 15 of 20



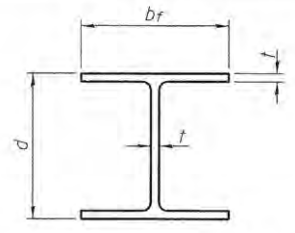
USER NAME = brennan	DESIGNED - KEF	REVISED -
FILENAME = D414274-sh016-Abutment Details	CHECKED - BKR	REVISED -
PLOT SCALE =	DRAWN - DDB	REVISED -
PLOT DATE = 7/11/2016	CHECKED - 07/13/16	REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

ABUTMENT DETAILS  
 STRUCTURE NO. 072-3153

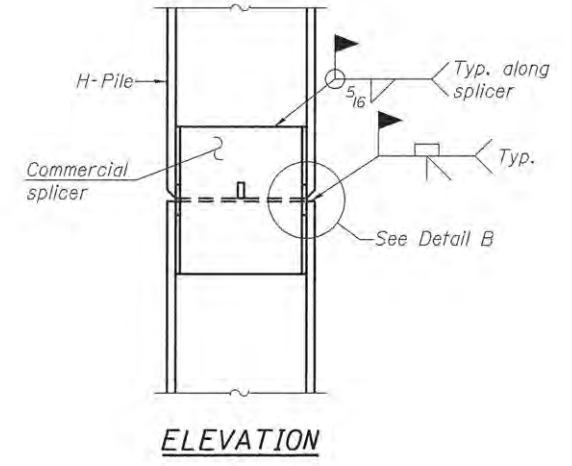
SHEET 16 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	103
CONTRACT NO. 89676				
ILLINOIS FED. AID PROJECT				

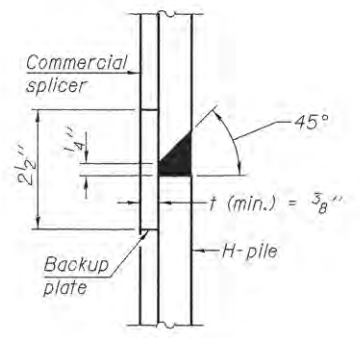


**STEEL PILE TABLE**

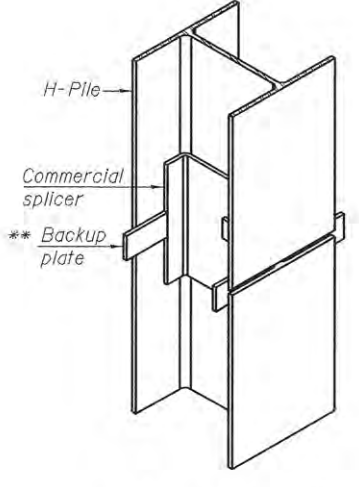
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



**ELEVATION**

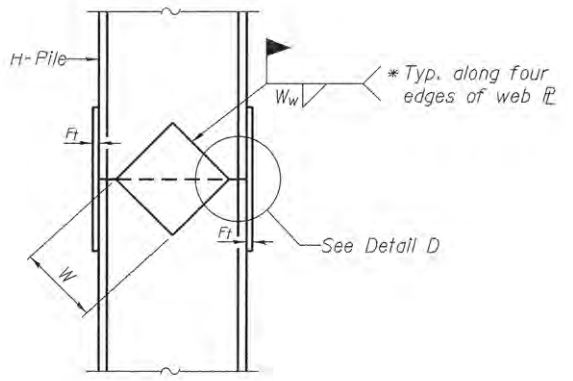


**DETAIL "B"**

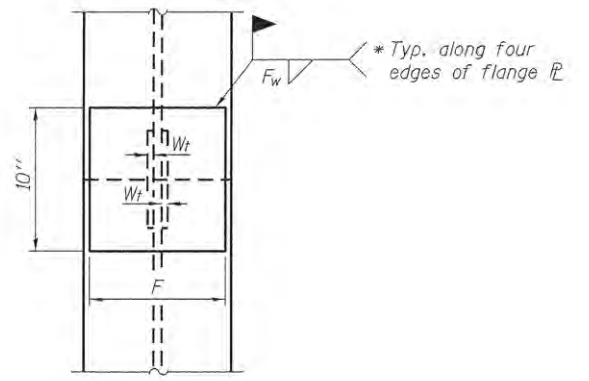


**ISOMETRIC VIEW**

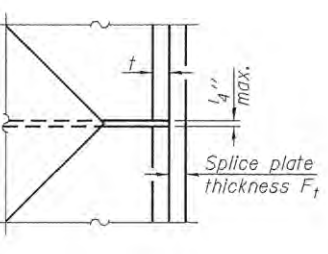
**WELDED COMMERCIAL SPLICE**



**ELEVATION**



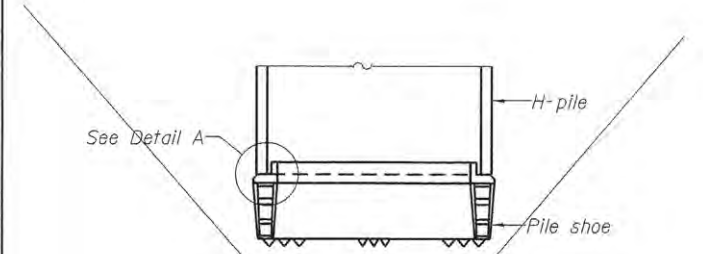
**END VIEW**



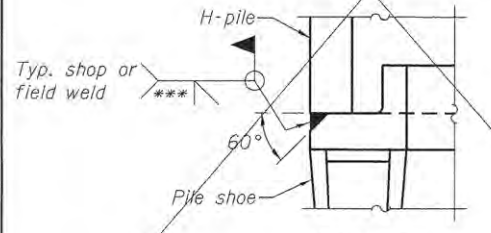
**DETAIL D**

**WELDED PLATE FIELD SPLICE**

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 8/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 8/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5 8/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 8/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5 8/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5 8/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

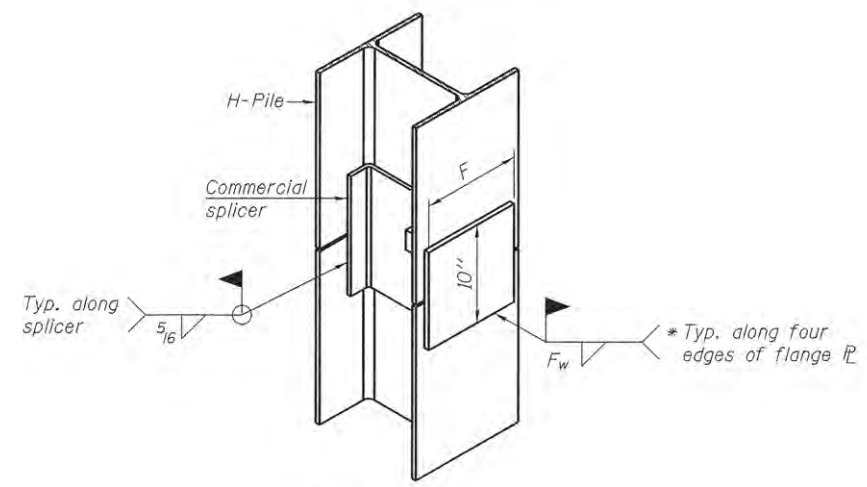


**ELEVATION**



**DETAIL A**

**H-PILE SHOE ATTACHMENT**



**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (5/16" min.).

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.

T:\Projects\14274 Peoria County Lancaster Rd\Design\Structural\CADD Sheets\0414274-sh017-HP Pile Details.dgn 7/11/2016 5:56:46 PM

F-HP 1-27-12

<b>TERRA ENGINEERING LTD.</b>	USER NAME = brennar	DESIGNED - KEF	REVISED -
	FILENAME = D414274-sh017-HP Pile Details.dgn	CHECKED - BKR	REVISED -
	PLOT SCALE =	DRAWN - DDB	REVISED -
	PLOT DATE = 7/11/2016	CHECKED - 07/13/16	REVISED -

**STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT**

**HP PILE DETAILS  
STRUCTURE NO. 072-3153**

SHEET 17 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	104
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89676	











Illinois Department of Transportation  
Division of Engineering  
Survey & Associates

### SOIL BORING LOG

Page 1 of 1

Date 12/16/14

ROUTE FAS 389 DESCRIPTION West Lancaster Road Bridge Replacement LOGGED BY:ehl/Krusemark

SECTION 13-00049-01-BR LOCATION Peoria, SEC. 32, TWP. 12N. R1G. R7E. 4<sup>th</sup> PM

COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE D-50 Automatic

STRUCT. NO. 072-3153  
Station \_\_\_\_\_  
BORING NO. R-04  
Station 156+96  
Offset 7.0 ft Right  
Ground Surface Elev. 532.47 ft (ft) (ft) (ft) (ft) (ft)

DEPTH (ft)	DESCRIPTION	DR	BL	UC	M	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
0	OIL & CHIPS And OLD BITUMINOUS CONCRETE (B 8")											
0.5	Brown, CA-6 GRAVEL (4.5')											
1.0	Medium, Brown And Light Brown SILTY CLAY LOAM (F 8")											
1.5												
2.0												
2.5												
3.0												
3.5												
4.0												
4.5												
5.0												
5.5												
6.0												
6.5												
7.0												
7.5												
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T296) BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Engineering  
Survey & Associates

### SOIL BORING LOG

Page 1 of 1

Date 12/16/14

ROUTE FAS 389 DESCRIPTION West Lancaster Road Bridge Replacement LOGGED BY:ehl/Krusemark

SECTION 13-00049-01-BR LOCATION Peoria, SEC. 32, TWP. 12N. R1G. R7E. 4<sup>th</sup> PM

COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE D-50 Automatic

STRUCT. NO. 072-3153  
Station \_\_\_\_\_  
BORING NO. R-05  
Station 162+91  
Offset 9.0 ft Left  
Ground Surface Elev. 531.12 ft (ft) (ft) (ft) (ft) (ft)

DEPTH (ft)	DESCRIPTION	DR	BL	UC	M	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
0	OIL & CHIPS And OLD BITUMINOUS CONCRETE (12.5')											
0.5	Brown, CA-6 GRAVEL (18.5')											
1.0	Very Stiff, Light Brown And Brown SILTY CLAY LOAM With Clay Shale Fragments (F 8")											
1.5												
2.0												
2.5												
3.0												
3.5												
4.0												
4.5												
5.0												
5.5												
6.0												
6.5												
7.0												
7.5												
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T296) BBS, form 137 (Rev. 8-99)

T:\Projects\14-274 Peoria County Lancaster Rd\Design\Structural\CADD Sheets\014274-4\NC03-Soil Borings.dgn 7/11/2016 8:56:02 PM



USER NAME = brennar  
FILENAME = D:\4274-sh+020-Soil Borings.dgn  
PLOT SCALE =  
PLOT DATE = 7/11/2016

DESIGNED - KEF  
CHECKED - BKR  
DRAWN - DDB  
CHECKED - 07/13/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS  
STRUCTURE NO. 072-3153  
SHEET 20 OF 20 SHEETS

F.A.P. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 107
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	

Existing Structure: None.  
 Benchmark - Elev. 530.69 Chiseled Square in NW Wingwall of Existing Bridge Structure.  
 No Salvage.

**INDEX OF SHEETS**

- 1 General Plan and Elevation
- 2 General Data
- 3 Retaining Wall Details
- 4-5 Soil Boring Logs



Exp. DATE: 11/2016

**DESIGN SPECIFICATIONS**

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

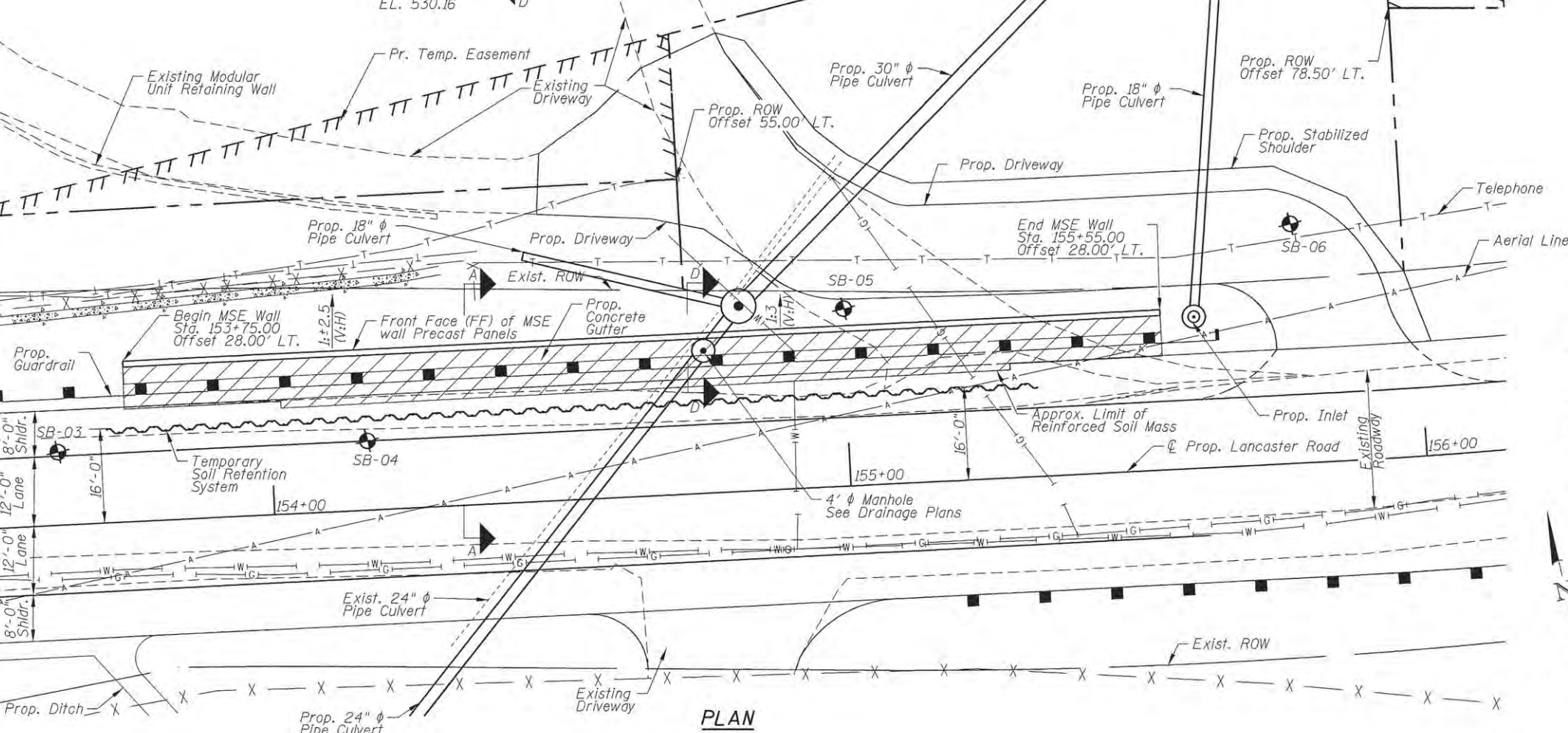
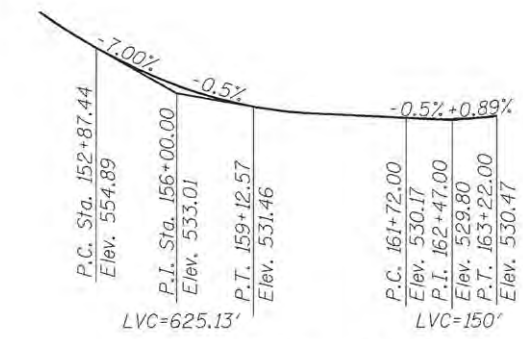
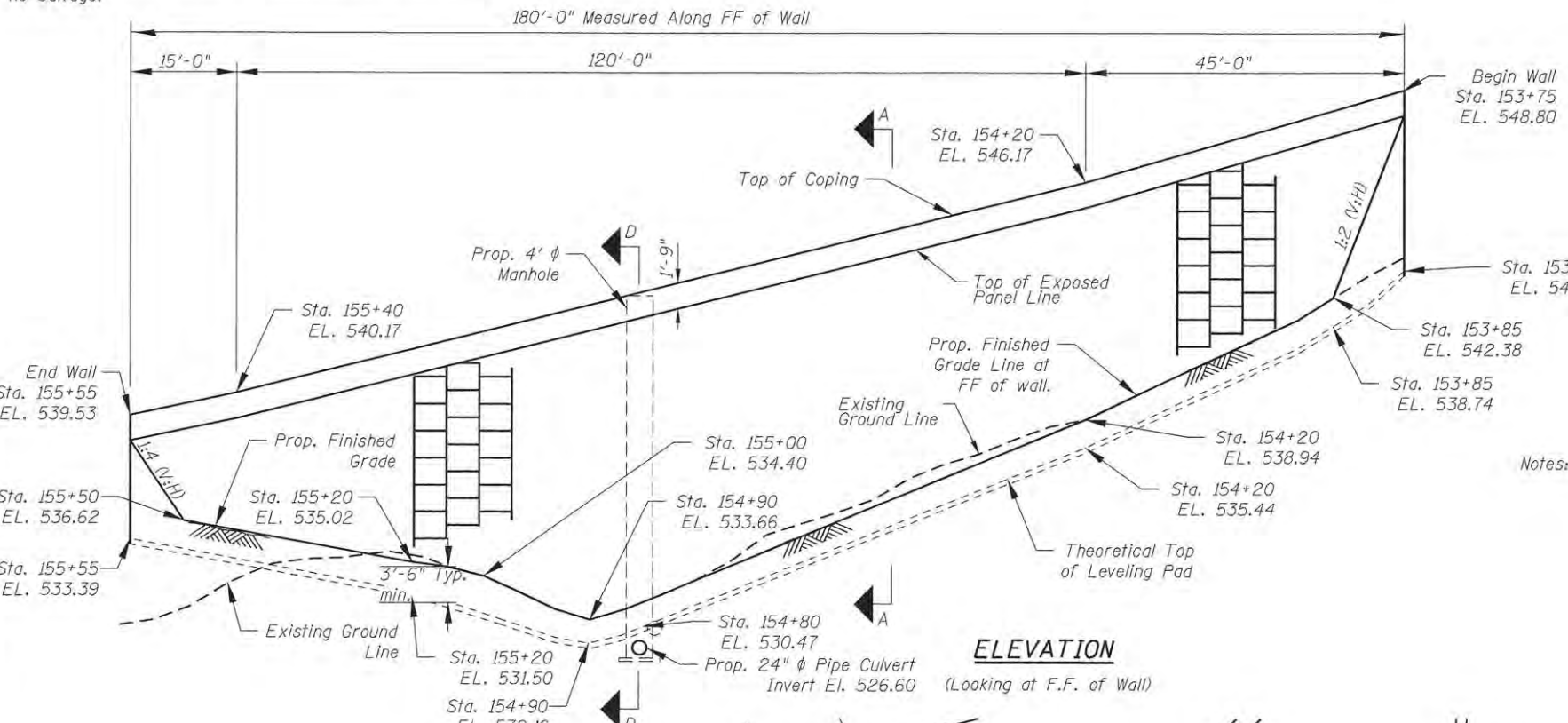
**DESIGN STRESSES**

**FIELD UNITS**

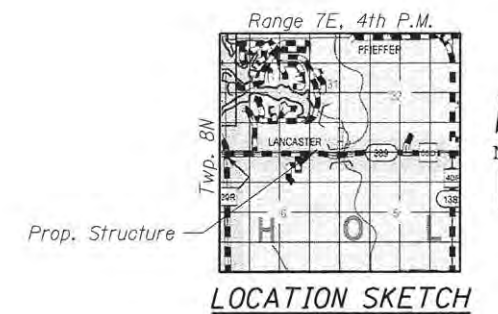
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**PRECAST UNITS**

$f'_c = 4,500$  psi (Precast Panels)



PROP. CURVE LAN.72  
 PI STA. = 157+38.47  
 $\Delta = 18^\circ 30' 46''$  (LT)  
 $D = 6^\circ 01' 52''$   
 $R = 950.00'$   
 $T = 154.83'$   
 $L = 306.96'$   
 $E = 12.53'$   
 $e = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$   
 $P.C. STA = 155+83.64$   
 $P.T. STA = 158+90.59$



**GENERAL PLAN AND ELEVATION**  
**LANCASTER ROAD**  
**FAS 389-SECTION 13-00049-01-BR**  
**PEORIA COUNTY**  
**STATION 153+75.00 TO 155+55.00**



USER NAME = brennar  
 FILENAME = D:\414274-wsh\001-PGE Wall 072-3  
 PLOT SCALE =  
 PLOT DATE = 7/11/2016

DESIGNED - KEF  
 CHECKED - BKR  
 DRAWN - DDB  
 CHECKED - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**PEORIA COUNTY HIGHWAY DEPARTMENT**

**RETAINING WALL**  
**GENERAL PLAN AND ELEVATION**

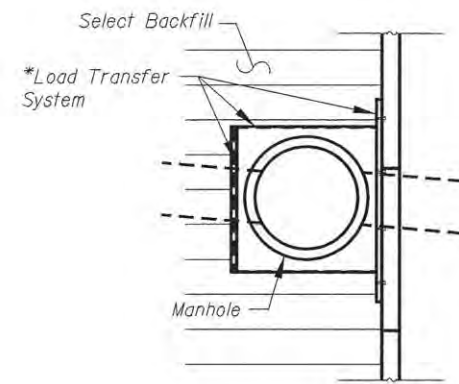
SHEET 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	108
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	



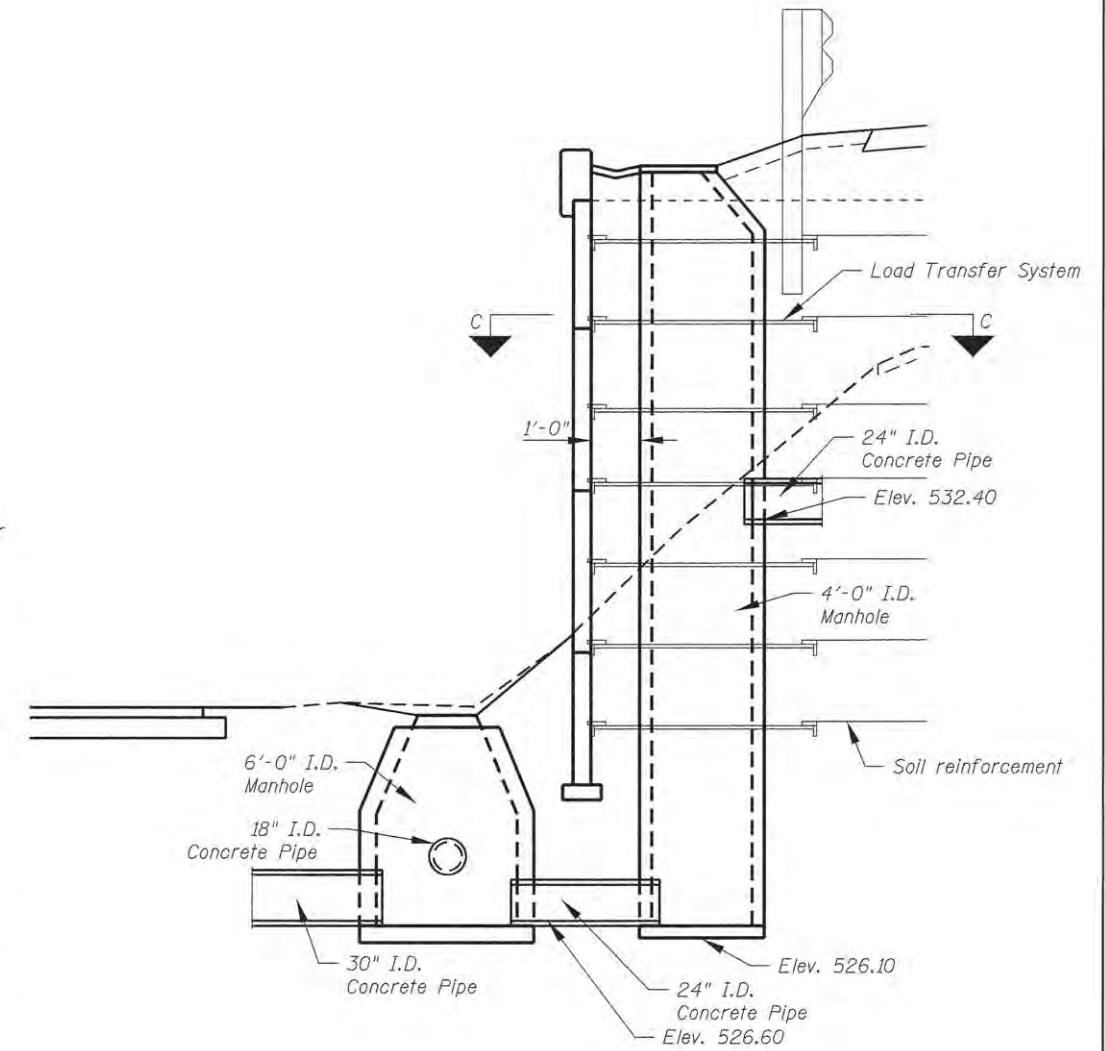
**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Stations and Offsets are measured from the Centerline of Proposed Lancaster Road to the Front Face of MSE wall panels.
3. MSE Supplier to design load transfer systems within reinforced soil mass to accommodate drainage structures.
4. MSE Wall lengths measured along front face of precast panels unless noted otherwise.
5. Contractor shall field verify location of existing underground utilities and shall take all precautions to protect them during construction of the wall.
6. See Special Provision for Mechanically Stabilized Earth Retaining Walls for design and construction requirements.
7. For drainage structure location, type, and size, see Drainage Sheets.
8. Contractor shall coordinate design and installation of manhole and guardrail to avoid interferences.

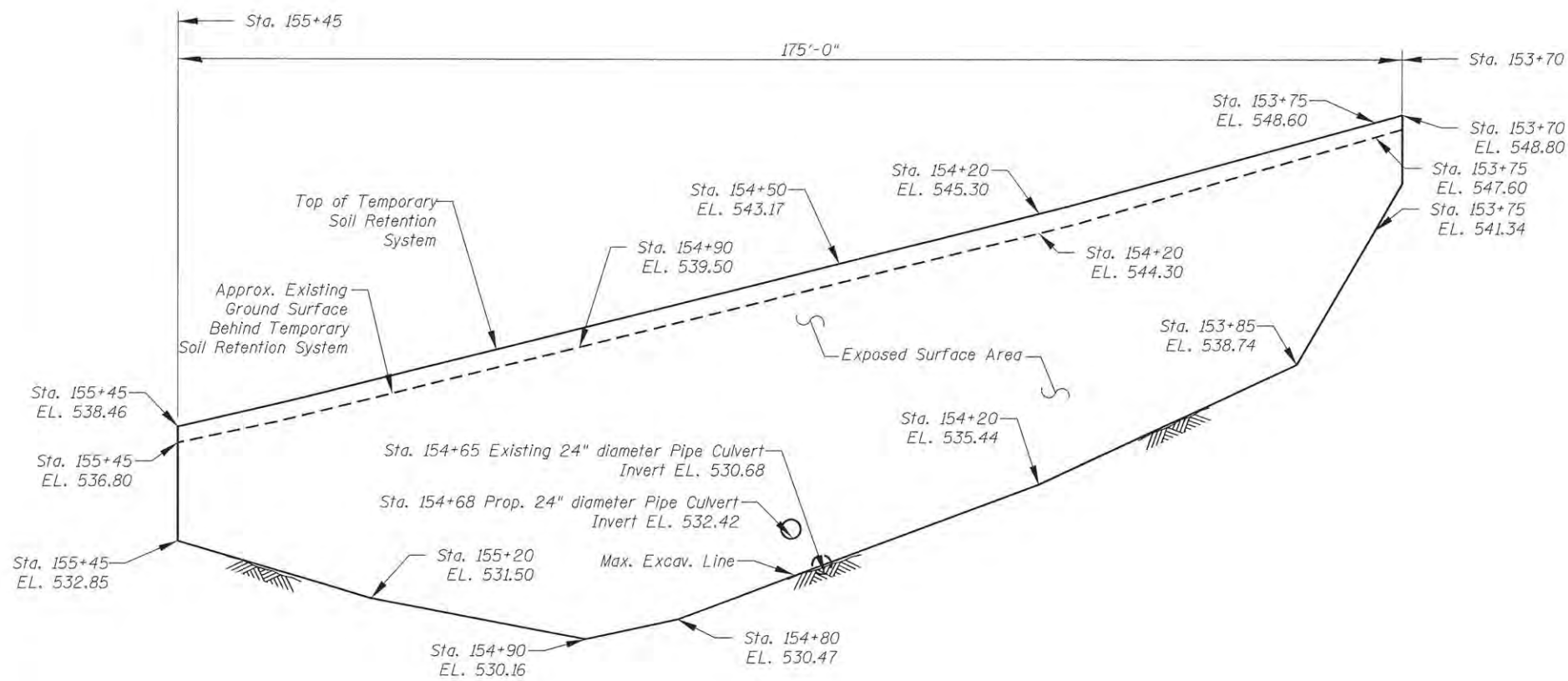


**SECTION C-C**

\*M.S.E. supplier to design load transfer system to accommodate concrete pipe and manhole. Load transfer system is included in the cost of Mechanically Stabilized Earth Retaining Wall.



**SECTION D-D**



**ELEVATION OF TEMPORARY SOIL RETENTION SYSTEM**  
(Looking at F.F. of Wall)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu Yd		365	365
Temporary Soil Retention System	Sq Ft		1652	1652
Mechanically Stabilized Earth Retaining Wall	Sq Ft		1522	1522

T:\Projects\14-274 Peoria County Lancaster Rd\Design\Structural\CADD Sheets\14-274-02-GeneralNotes Wall 07-31-16.dgn 7/11/2016 5:56:08 PM



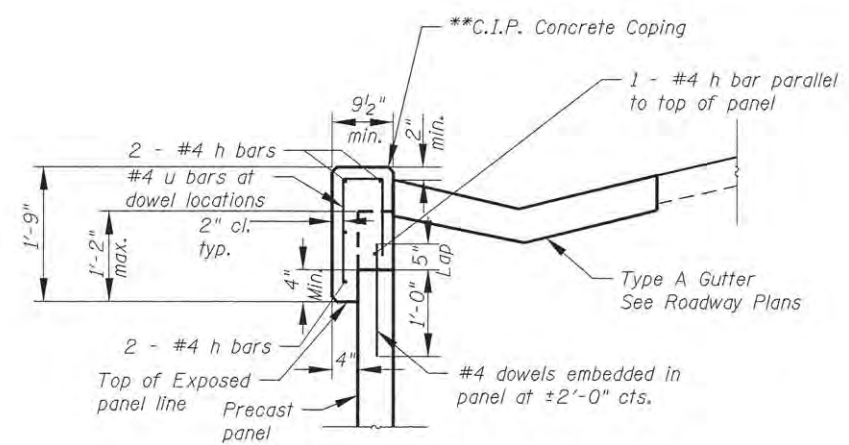
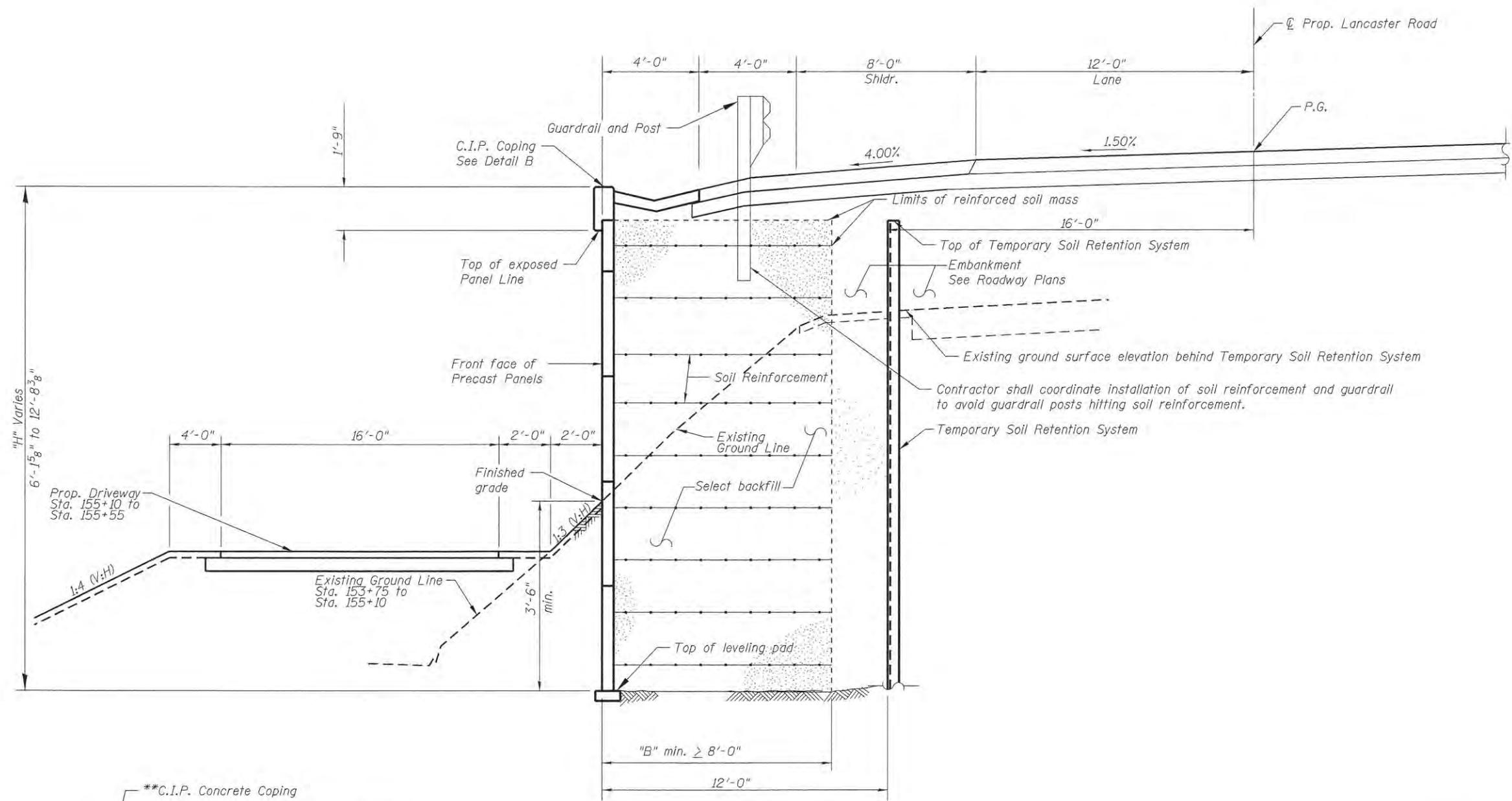
USER NAME = brennar	DESIGNED - KEF	REVISED -
FILENAME = D:\14274-wsh\02-GeneralNotes\W\CHECKED\05.dgn	BKR	REVISED -
PLOT SCALE =	DRAWN - DDB	REVISED -
PLOT DATE = 7/11/2016	CHECKED - 07/13/16	REVISED -

**STATE OF ILLINOIS**  
**PEORIA COUNTY HIGHWAY DEPARTMENT**

**RETAINING WALL**  
**GENERAL DATA**

SHEET 2 OF 5 SHEETS

F.A.P. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 109
			CONTRACT NO. 89676	
ILLINOIS FED. AID PROJECT				



**DETAIL B C.I.P. CONCRETE COPING**  
 \*\*Concrete and reinforcing steel for C.I.P. Concrete Coping are included in the cost of "Mechanically Stabilized Earth Retaining Wall."

Station Range	"H" Range	"B" *
153+75 to 154+50	7'-5 1/2" to 11'-8 1/2"	0.78 x "H"
154+50 to 155+15	10'-1 3/4" to 12'-8 3/8"	0.87 x "H"
155+15 to 155+55	6'-1 5/8" to 10'-1 3/4"	0.78 x "H"

\*Minimum required for global stability

T:\Projects\14274 Peoria County Lancaster Road\Design\Structural\CADD Sheets\0414274-04-03-Details Wall 072316.dgn  
 7/11/2016 5:56:11 PM



USER NAME = breannr	DESIGNED - KEF	REVISED -
FILENAME = D:\4274-wsh\003-Details Wall 072316.dgn	CHECKED - BKR	REVISED -
PLOT SCALE =	DRAWN - DDB	REVISED -
PLOT DATE = 7/11/2016	CHECKED - 07/13/16	REVISED -

**STATE OF ILLINOIS**  
**PEORIA COUNTY HIGHWAY DEPARTMENT**

**RETAINING WALL**  
**RETAINING WALL DETAILS**  
 SHEET 3 OF 5 SHEETS

F.A.P. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 110
				CONTRACT NO. 89676
ILLINOIS FED. AID PROJECT				





Illinois Department of Transportation  
Division of Highways  
Vehicles & Associates

SOIL BORING LOG

Page 1 of 1

Date 7/30/15

ROUTE FAS 389 DESCRIPTION Lancaster Road Retaining Wall LOGGED BY FehI  
SECTION 13-00049-01-BR LOCATION Peoria County, SEC. 32, TWP. T8N, R17E, 4<sup>th</sup> PM  
Latitude Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	D E P T H	B L O W S	U C S	M O D E	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	H T W Q T	H T W Q T
OIL & CHIP SURFACE TREATMENT (14.0')														
557.50														
Stiff, Gray-Brown SANDY CLAY LOAM														
DD = 102 PCF	8													
554.70	18	1.5												
Very Dense, Gray-Brown, Fine- To Medium-Grained SAND With Some Fine-Grained Gravel And Silt														
551.70	24	3.2												
Very Stiff, Gray-Brown, Near CLAY SHALE														
DD = 109 PCF	51													
549.20	27	4.5												
Hard, Gray CLAY SHALE														
AUGER REFUSAL AT (-)32.0 FEET														
535.70	55	4.5												
End of Boring														
531.70	61	4.5												
Very Dense, Black COAL FRAGMENTS														
528.70	66													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways  
Vehicles & Associates

SOIL BORING LOG

Page 1 of 1

Date 7/30/15

ROUTE FAS 389 DESCRIPTION Lancaster Road Retaining Wall LOGGED BY FehI  
SECTION 13-00049-01-BR LOCATION Peoria County, SEC. 32, TWP. T8N, R17E, 4<sup>th</sup> PM  
Latitude Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	D E P T H	B L O W S	U C S	M O D E	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	H T W Q T	H T W Q T
OIL & CHIP SURFACE TREATMENT (14.0')														
552.50														
Stiff, Light Brown SILTY CLAY LOAM														
DD = 104 PCF	3													
549.70	5	1.5												
Very Stiff, Light Brown SILTY CLAY LOAM														
DD = 106 PCF	5													
546.70	8	2.1												
Very Stiff, Gray-Brown And Gray, Near CLAY SHALE														
DD = 110 PCF	7													
543.70	9	2.2												
Hard, Gray CLAY SHALE														
DD = 112 PCF	5													
540.70	7	2.7												
Hard, Gray SHALE														
AUGER REFUSAL AT (-)33.0 FEET														
522.20	17	3.1												
End of Boring														
520.70	19	4.5												
Very Stiff, Gray-Brown And Black CLAY LOAM With Considerable Coal Fragments														
DD = 102 PCF	10													
517.70	12	2.0												
Medium-Density, Black COAL FRAGMENTS														
514.70	15													
Hard, Gray CLAY SHALE														
511.70	18	4.5												
Stiff, Gray And Gray-Brown SANDY CLAY SHALE														
DD = 109 PCF	10													
508.70	24	1.5												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways  
Vehicles & Associates

SOIL BORING LOG

Page 1 of 1

Date 7/30/15

ROUTE FAS 389 DESCRIPTION Lancaster Road Retaining Wall LOGGED BY FehI  
SECTION 13-00049-01-BR LOCATION Peoria County, SEC. 32, TWP. T8N, R17E, 4<sup>th</sup> PM  
Latitude Longitude  
COUNTY Peoria DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-55 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	D E P T H	B L O W S	U C S	M O D E	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	H T W Q T	H T W Q T
OIL & CHIP SURFACE TREATMENT (15.0')														
547.05														
Stiff, Gray-Brown And Gray-Brown SANDY CLAY SHALE (continued)														
DD = 107 PCF	12													
544.30	21	1.3												
Hard, Gray CLAY SHALE														
DD = 102 PCF	3													
541.30	4	1.6												
Medium, Gray-Brown And Gray CLAY LOAM With Trace Of Coal Fragments (Fib)														
DD = 94 PCF	2													
538.30	2	0.7												
Stiff, Gray-Brown CLAY LOAM With Trace Of Coal (Possible Fib)														
DD = 100 PCF	3													
535.30	4	1.2												
Hard, Gray SHALE														
DD = 105 PCF	15													
532.30	10	3.1												
Very Stiff, Gray, Brown And Dark Brown, Near CLAY SHALE														
DD = 105 PCF	8													
529.30	15	4.5												
End of Boring														
526.30	10	2.2												
DD = 106 PCF	14													
Very Stiff, Gray And Light Brown, Near CLAY SHALE With Trace Of Limestone Fragments														
523.30	8													
Stiff, Gray And Gray-Brown SANDY CLAY SHALE														
DD = 109 PCF	12													
520.30	18	2.8												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)

T:\Projects\14-274\Peoria County\Retaining Wall\Structural\CADD\Sheet\04-Soil Borings.dwg  
7/11/2016 5:58:14 PM



USER NAME = brennar  
FILENAME = D:\14274-wsh\004-Soil Borings.dwg  
PLOT SCALE =  
PLOT DATE = 7/11/2016

DESIGNED - KEF  
CHECKED - BKR  
DRAWN - DDB  
CHECKED - 07/13/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

RETAINING WALL  
SOIL BORING LOGS

SHEET 4 OF 5 SHEETS

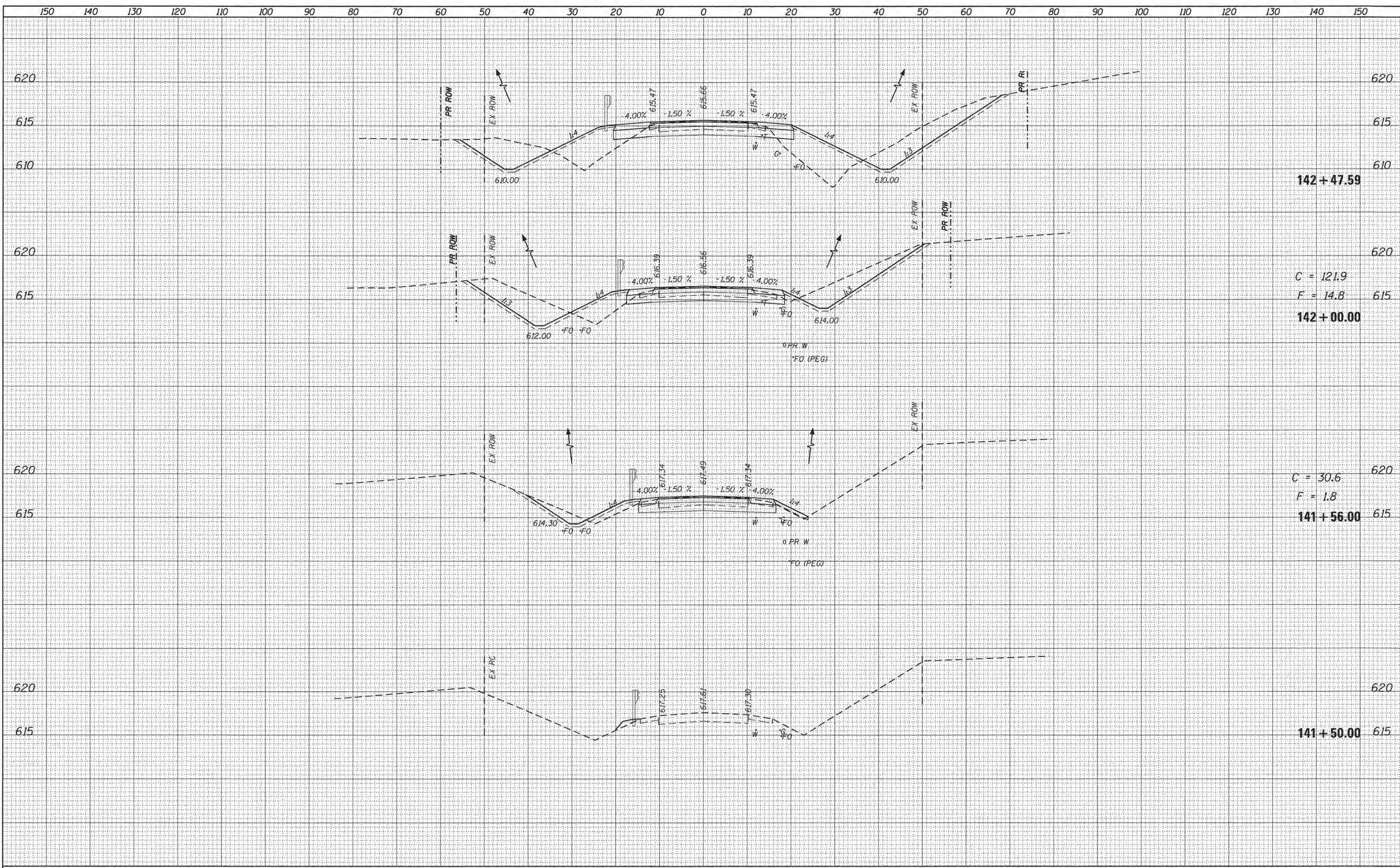
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	111
CONTRACT NO.			89676	
ILLINOIS FED. AID PROJECT				





DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



D:\4274-eh1-x8001.dgn  
 7/13/2016 2:07:40 PM



USER NAME = brenner  
 DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

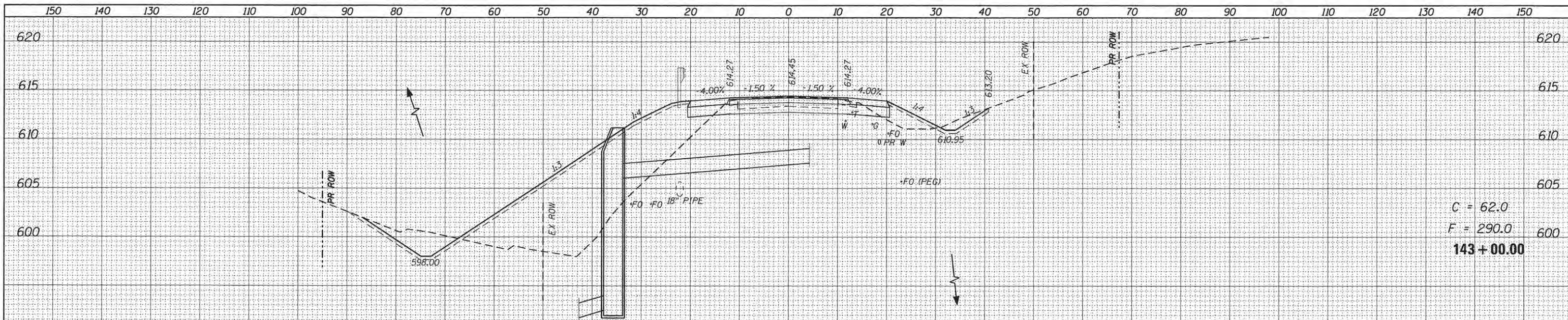
STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

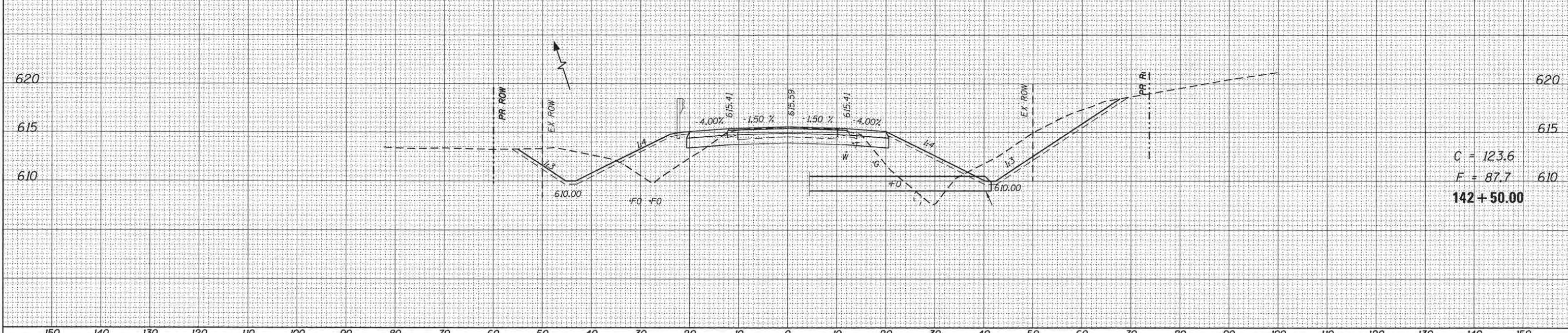
SCALE: 1"=10' SHEET 1 OF 25 SHEETS STA. 141+50.00 TO STA.

F.A. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 113
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	





C = 62.0  
 F = 290.0  
**143 + 00.00**



C = 123.6  
 F = 87.7  
**142 + 50.00**

	USER NAME = brenner	DESIGNED - KJC	REVISED -	<b>STATE OF ILLINOIS</b> <b>PEORIA COUNTY HIGHWAY DEPARTMENT</b>	<b>LANCASTER ROAD OVER W LAMARSH CREEK</b> <b>LANCASTER RD. CROSS SECTIONS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	DRAWN - KJC	REVISED -		389	13-00049-01-BR	PEORIA	151	114		
PLOT DATE = 7/13/2016	CHECKED - KSD	REVISED -	DATE - 07/13/16	REVISED -	SCALE: 1"=10'	SHEET 2 OF 25 SHEETS	STA. 142+50.00 TO STA. 143+00.00	CONTRACT NO. <b>89676</b> ILLINOIS FED. AID PROJECT			

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

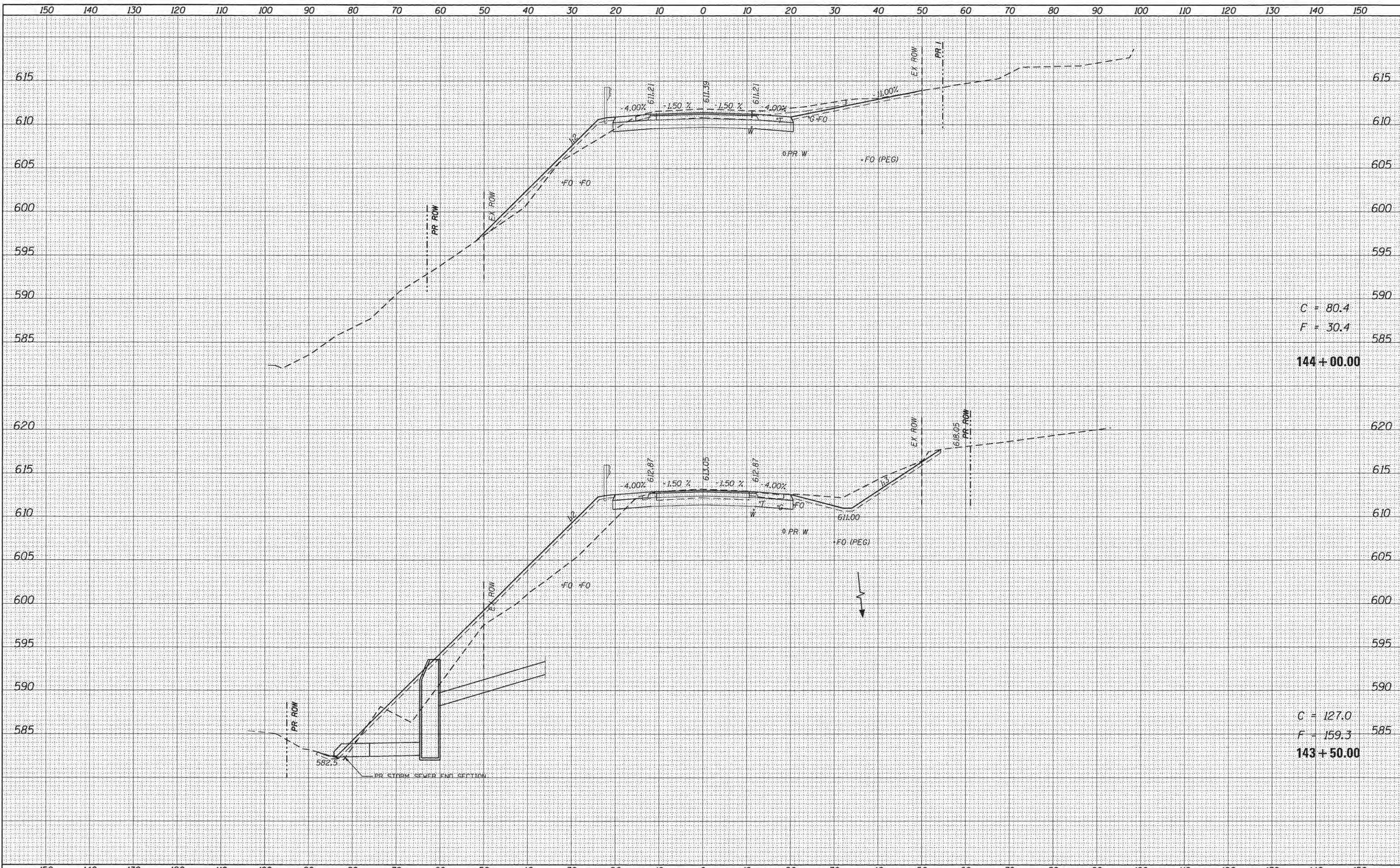
DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

D:\14274-nh-x8002.dgn  
 7/13/2016 2:07:12 PM



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

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



C = 80.4  
 F = 30.4  
**144 + 00.00**

C = 127.0  
 F = 159.3  
**143 + 50.00**

D:\4274-891-s\003.dgn  
 7/13/2016 2:07:13 PM



USER NAME = brenner  
 PLOT SCALE = 20.0000' / 1" = 200  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 25 SHEETS STA. 143+50.00 TO STA. 144+00.00

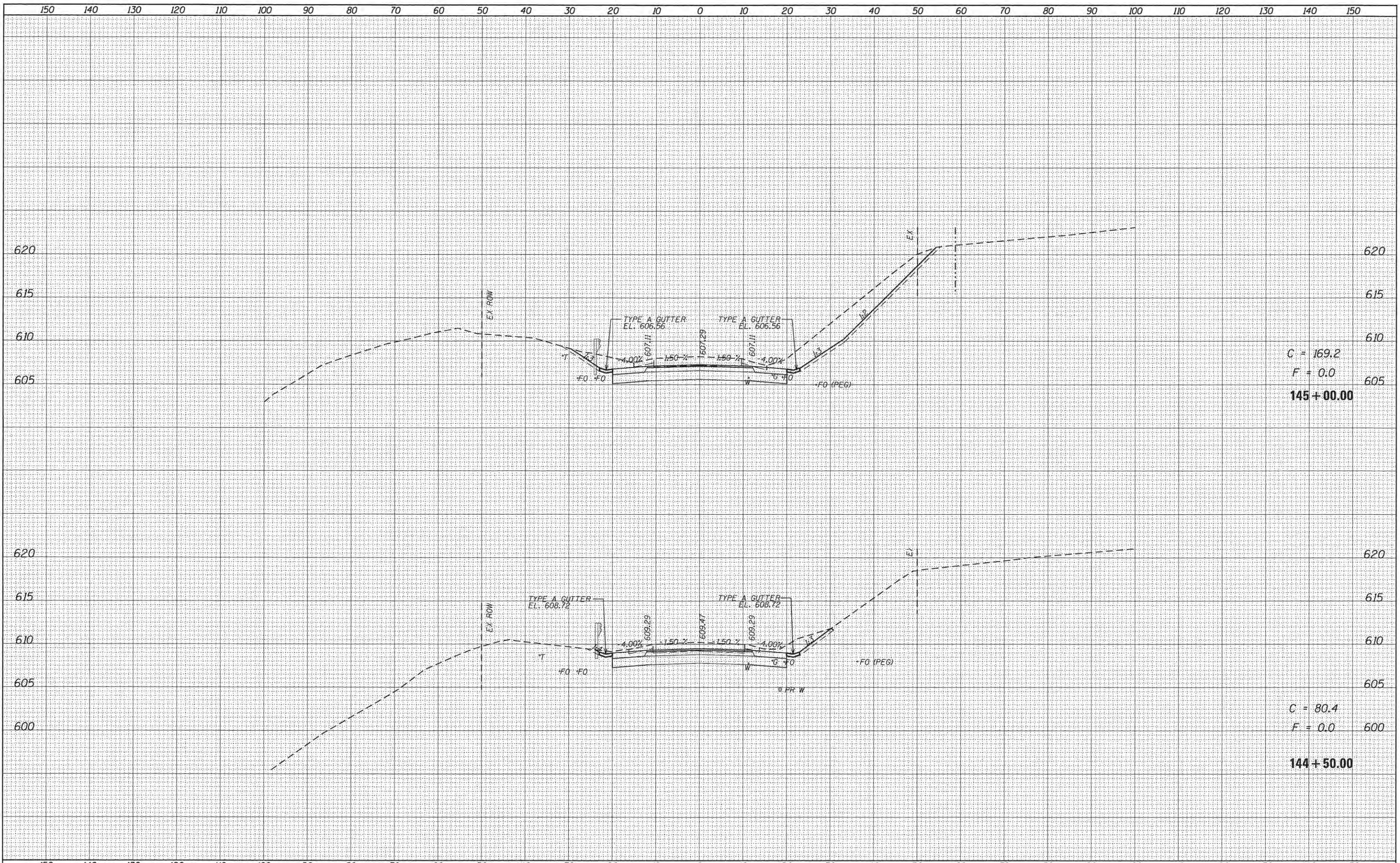
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	115
				CONTRACT NO. 89676

ILLINOIS FED. AID PROJECT



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



C = 169.2  
 F = 0.0  
**145+00.00**

C = 80.4  
 F = 0.0  
**144+50.00**

D:\4274-sht-13000.dgn  
 7/13/2016 2:07:15 PM



USER NAME = lbrennar  
 PLOT SCALE = 20.0000 1/4 in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

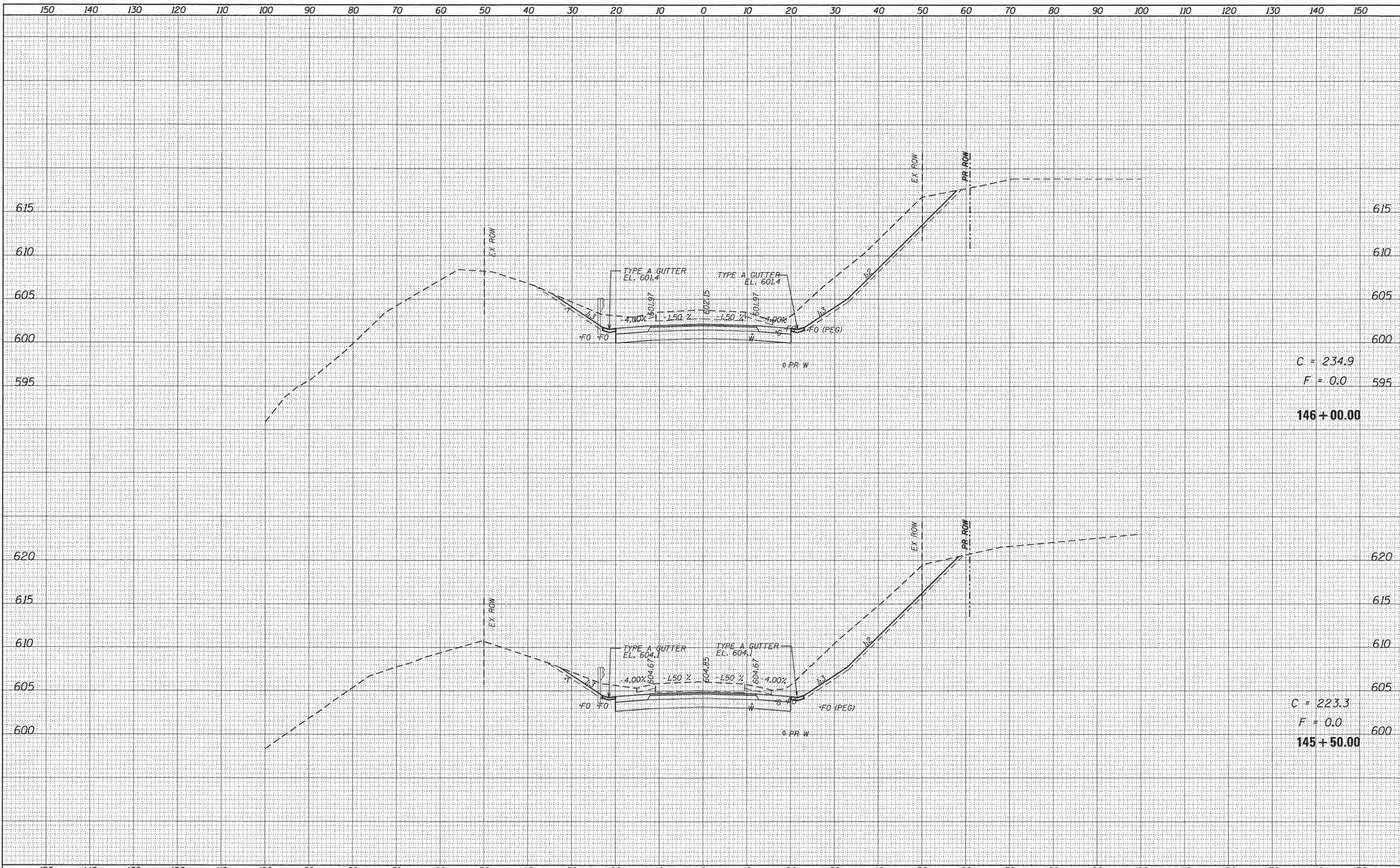
SCALE: 1"=10' SHEET 4 OF 25 SHEETS STA. 144+50.00 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	116
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLotted	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLotted	
NOTE BOOK	
AREAS CHECKED	



C = 234.9  
 F = 0.0  
**146 + 00.00**

C = 223.3  
 F = 0.0  
**145 + 50.00**

D:\4274-811-13\005.dgn  
 7/13/2016 2:07:16 PM



USER NAME = brennar	DESIGNED - KJC	REVISED -
	DRAWN - KJC	REVISED -
PLLOT SCALE = 20.0000' / in.	CHECKED - KSD	REVISED -
PLLOT DATE = 7/13/2016	DATE - 07/13/16	REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

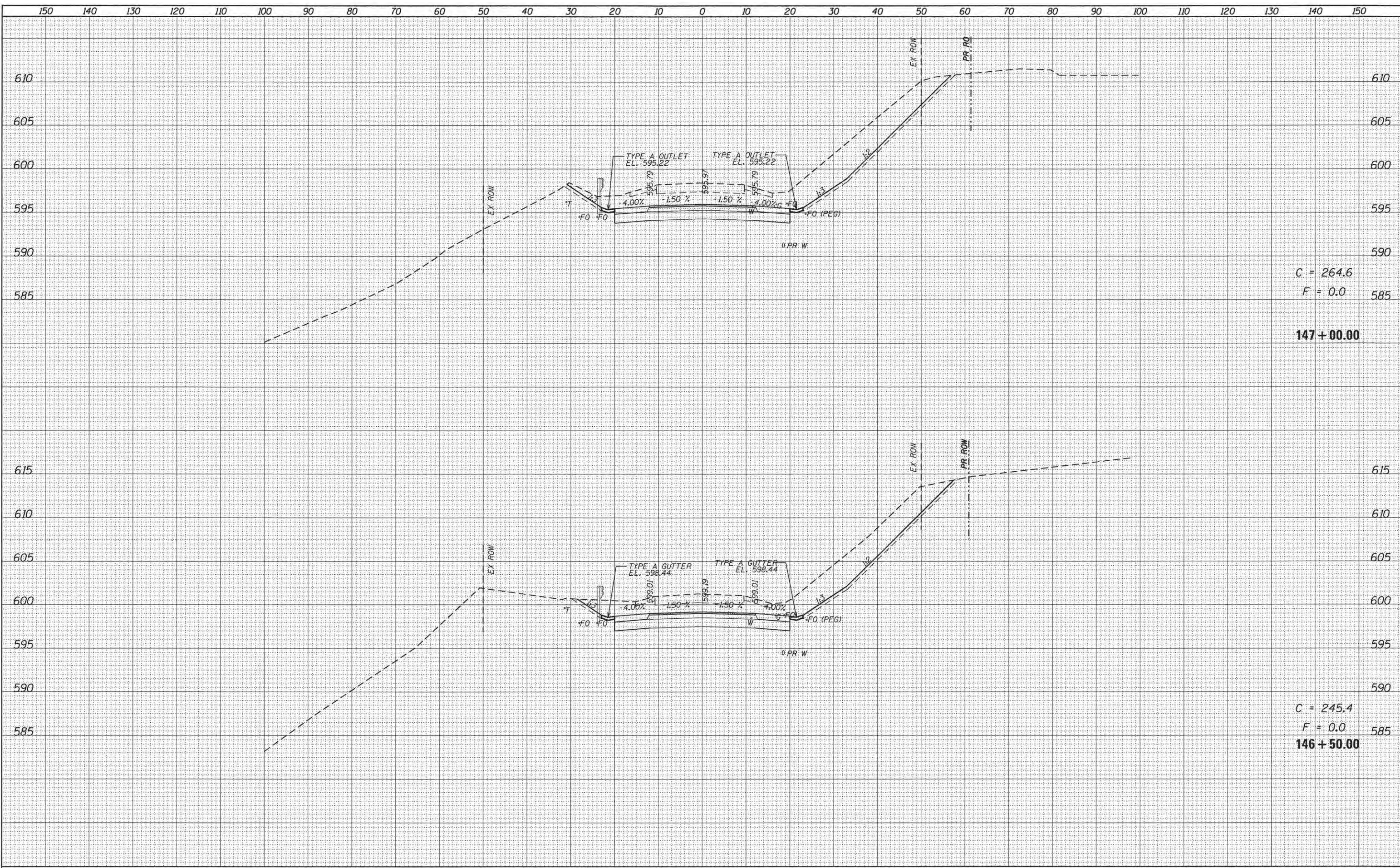
SCALE: 1"=10' SHEET 5 OF 25 SHEETS STA. 145+50.00 TO STA.

F.A. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 117
			CONTRACT NO. 89676	
ILLINOIS FED. AID PROJECT				



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

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



C = 264.6  
 F = 0.0  
 147+00.00

C = 245.4  
 F = 0.0  
 146+50.00

D:\4274-sht-14s066.dgn  
 7/13/2016 2:07:18 PM



USER NAME = lbrenner  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

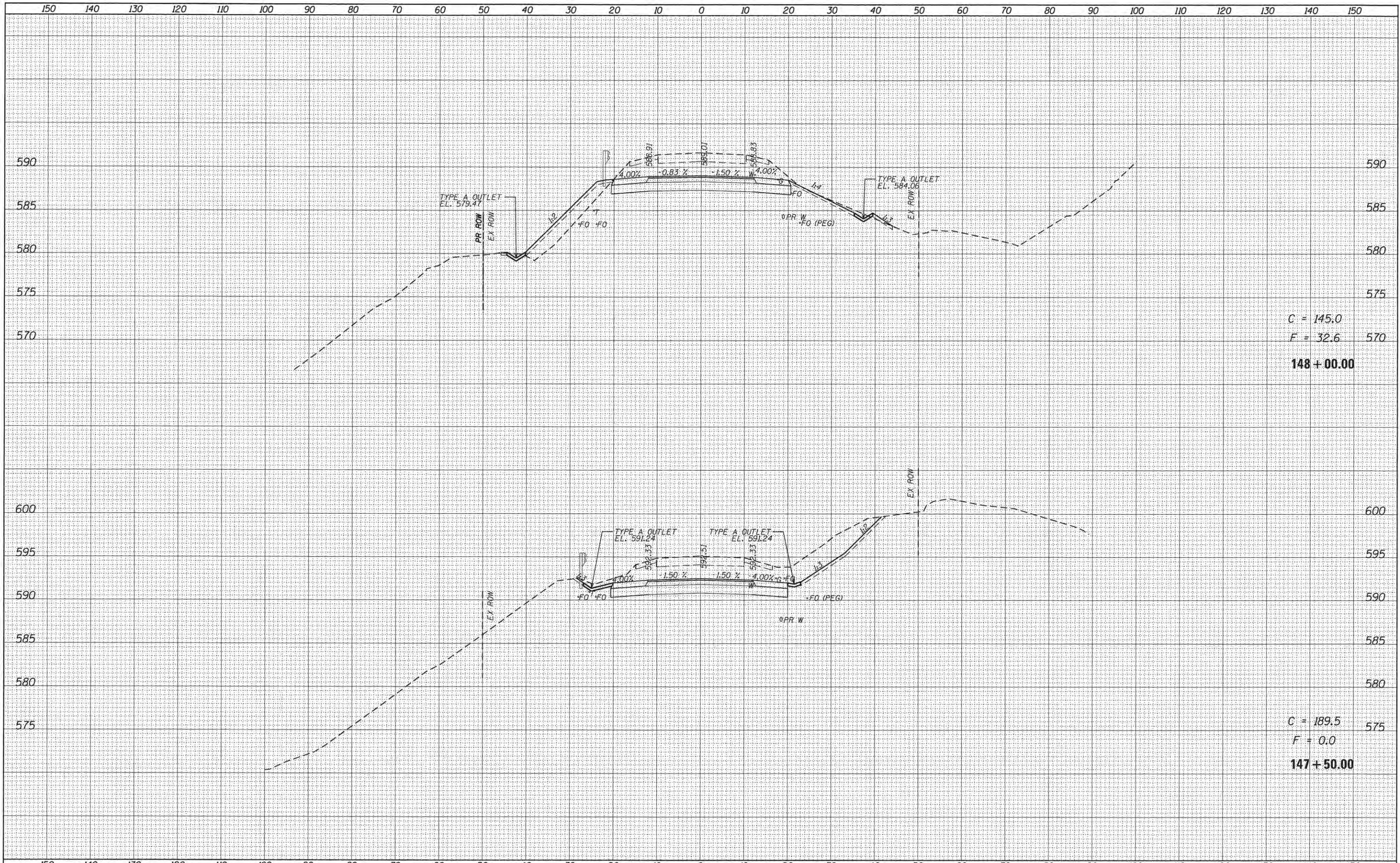
SCALE: 1"=10' SHEET 6 OF 25 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	118
CONTRACT NO. 896%				
[ILLINOIS] FED. AID PROJECT				



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

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



C = 145.0  
 F = 32.6  
**148 + 00.00**

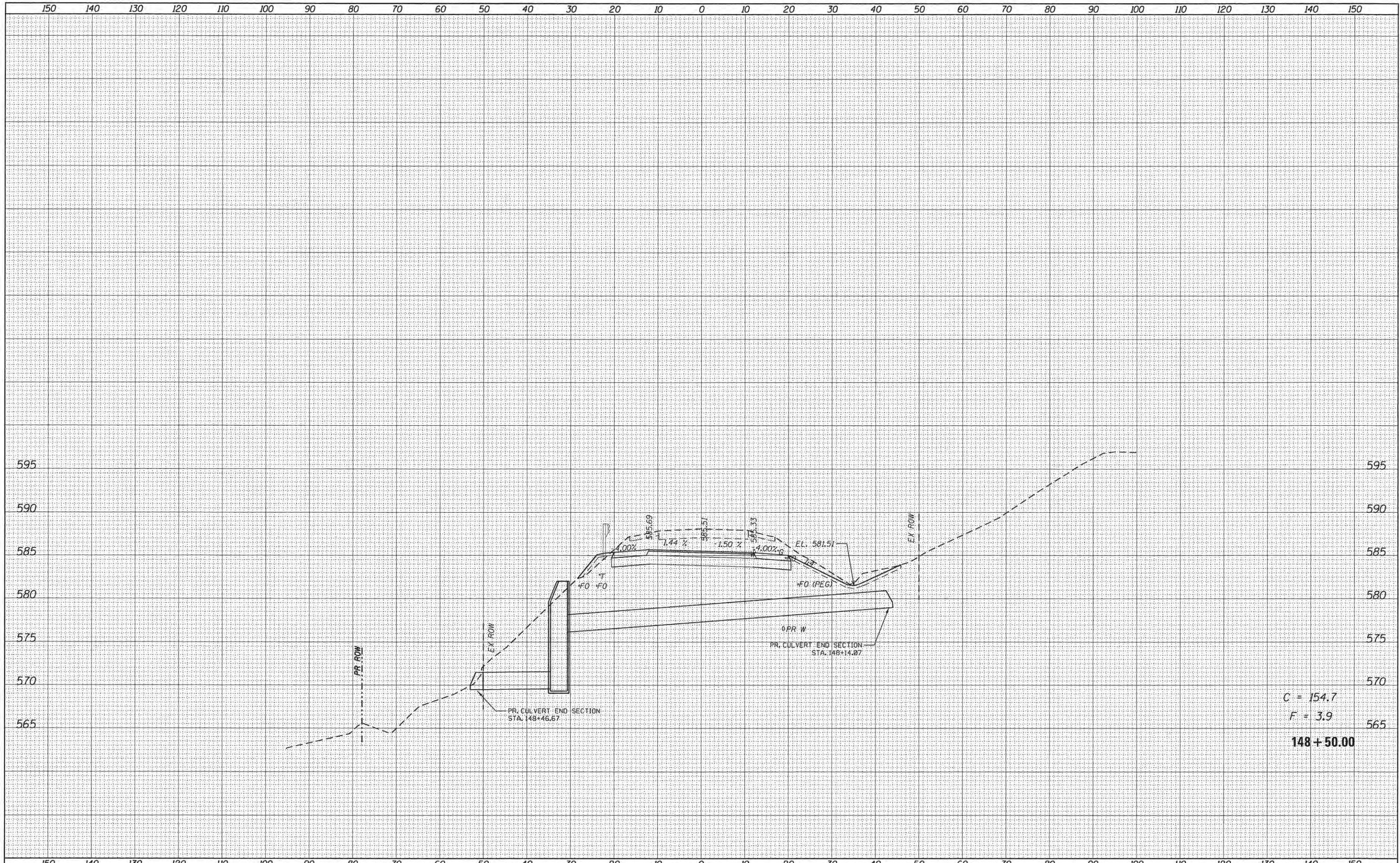
C = 189.5  
 F = 0.0  
**147 + 50.00**

0414274-sh1-x8007.dgn  
 7/13/2016 2:07:19 PM



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

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



C = 154.7  
 F = 3.9  
 148 + 50.00

D:\14274-011-x8008.dgn  
 7/13/2016 2:01:20 PM



USER NAME = brenner  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 25 SHEETS STA. 148+50.00 TO STA. 148+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	120
CONTRACT NO. 89676				

ILLINOIS FED. AID PROJECT

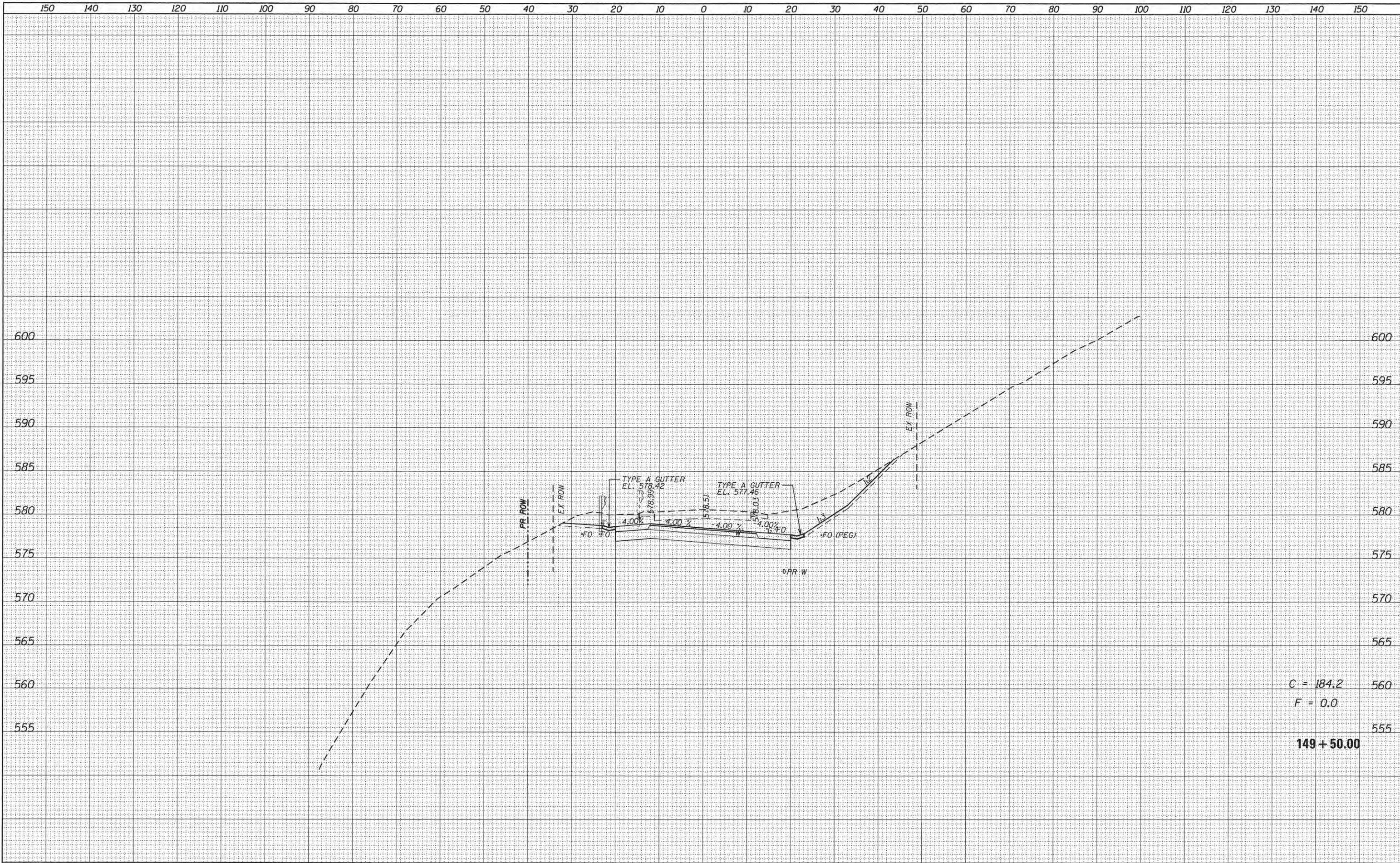






DATE	
BY	
FINAL SURVEY	
SURVEYED	
TEMPLATED	
NOTE BOOK	
NO.	
AREAS CHECKED	

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



C = 184.2  
 F = 0.0  
 149 + 50.00

D:\14274-01\14274-01-010.dgn  
 7/13/2016 2:07:23 PM



USER NAME = brenner  
 PLOT SCALE = 20.0000" / 1"  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 10 OF 25 SHEETS STA. TO STA.

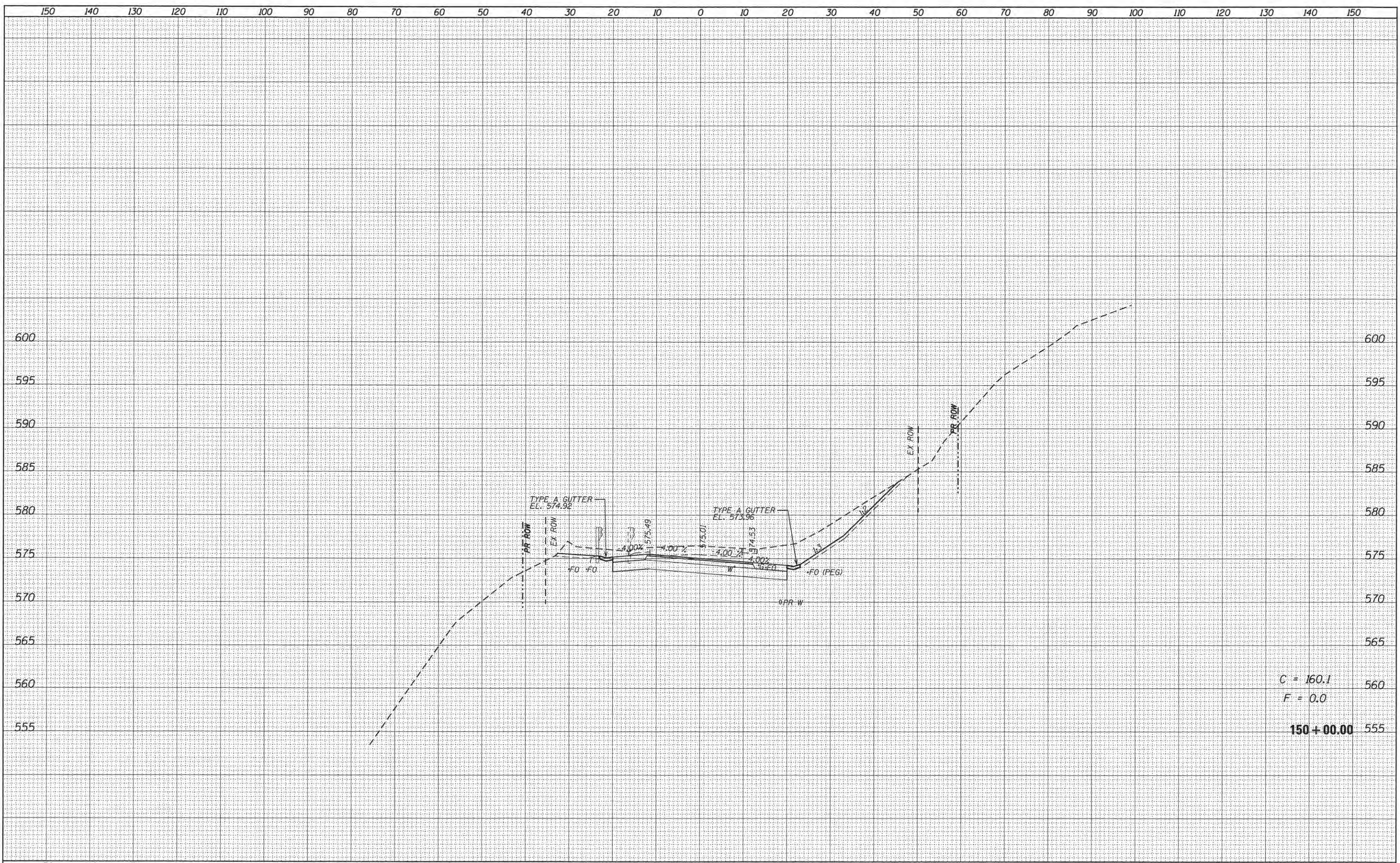
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	122
CONTRACT NO. 8167e				

ILLINOIS FED. AID PROJECT



DATE	
BY	
SURVEYED	
PLOTTED	
NOTE DATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE DATE	
AREAS CHECKED	
NO.	



C = 160.1  
 F = 0.0  
 150 + 00.00

D:\4274-arh-x8011.dgn  
 7/13/2016 2:07:25 PM



USER NAME = brennar	DESIGNED - KJC	REVISED -
PLLOT SCALE = 20,0000 "/>		

DRAWN - KJC	REVISED -
CHECKED - KSD	REVISED -
DATE - 07/13/16	REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

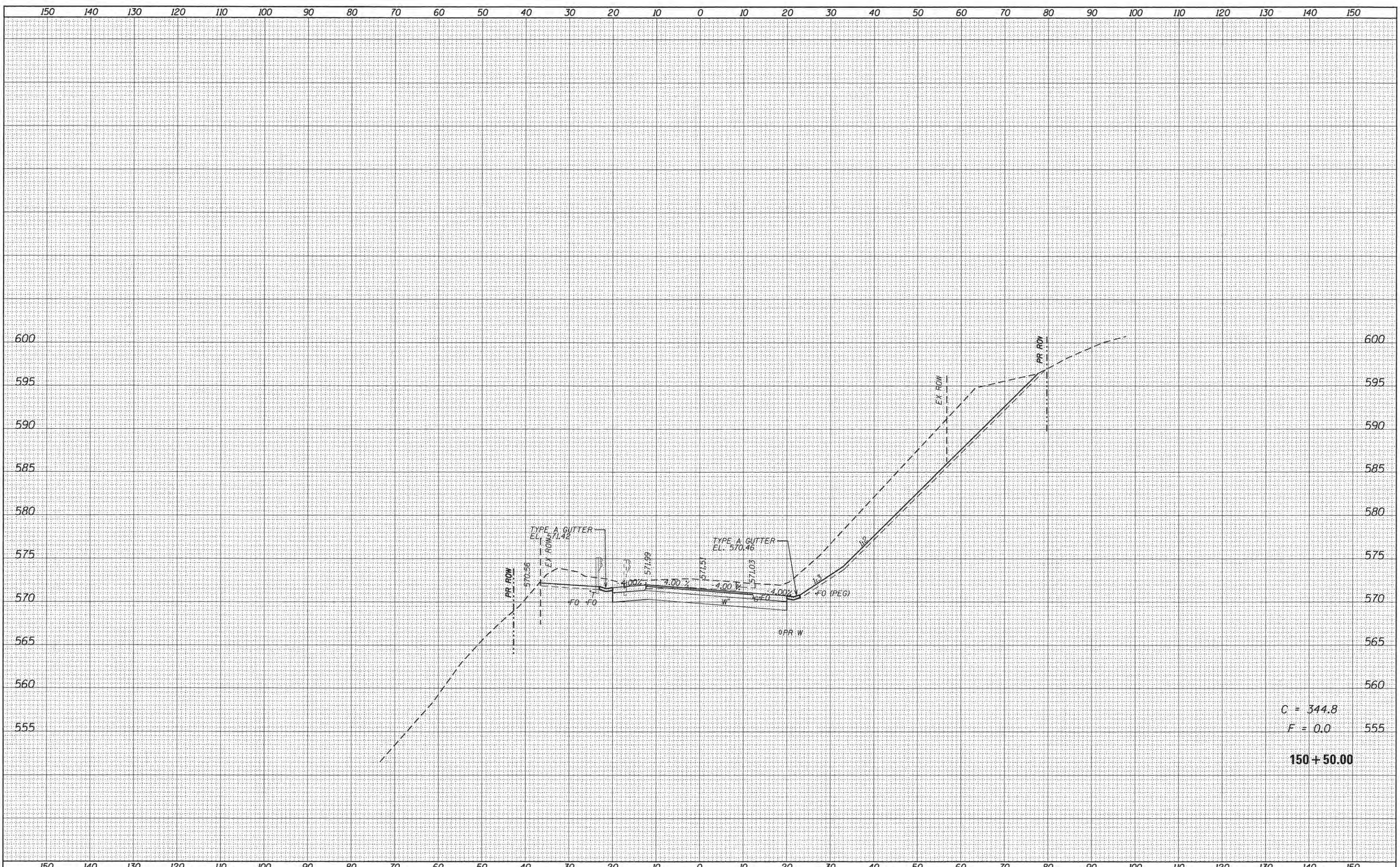
SCALE: 1"=10' SHEET 11 OF 25 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	123
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	



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

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



C = 344.8

F = 0.0

150+50.00

D:\14274-BY-X8012.dgn  
7/13/2016 2:07:26 PM



USER NAME = brennar  
DESIGNED - KJC  
DRAWN - KJC  
CHECKED - KSD  
DATE - 07/13/16

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
LANCASTER RD. CROSS SECTIONS

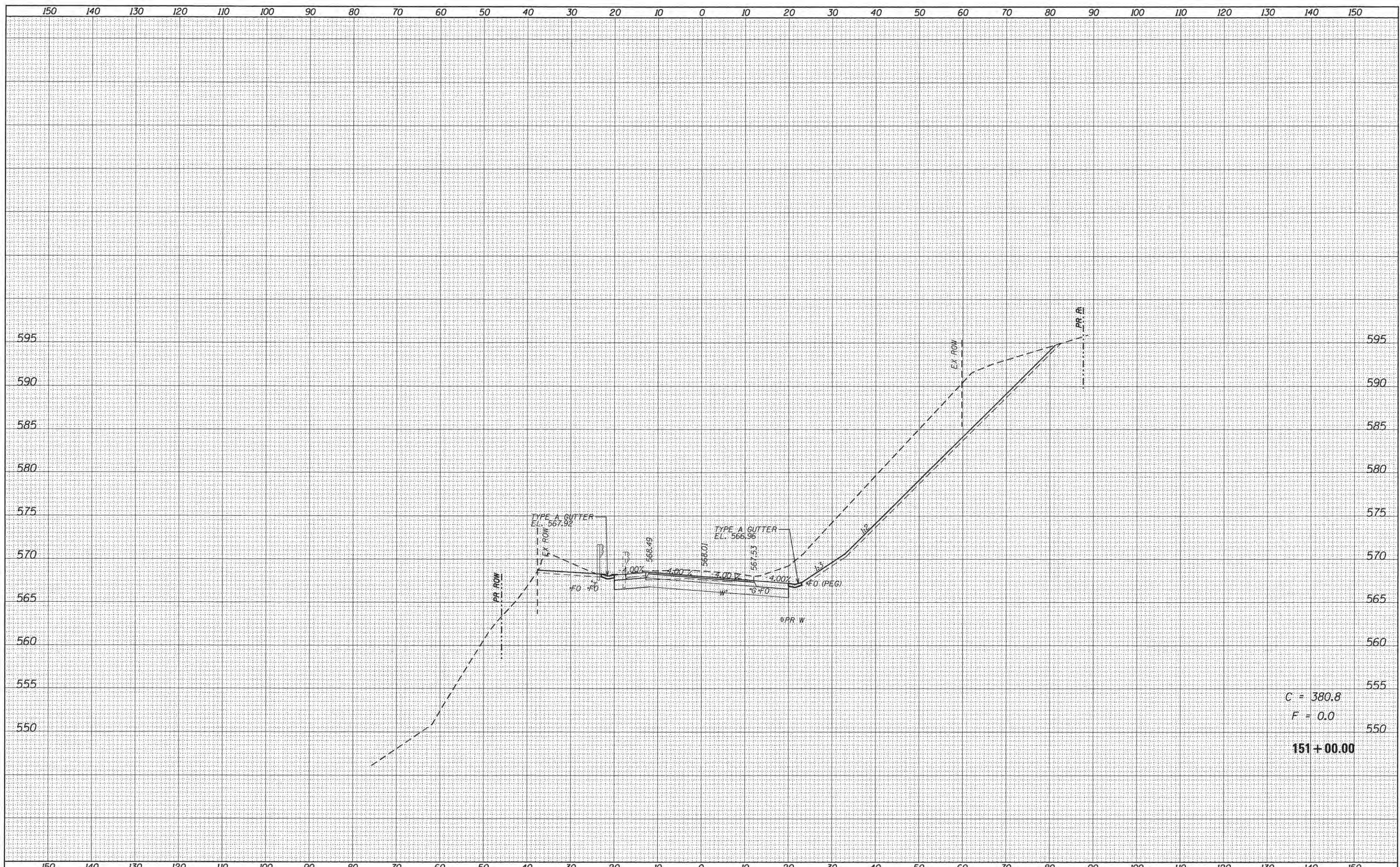
SCALE: 1"=10' SHEET 12 OF 25 SHEETS STA. 150+50.00 TO STA. 150+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	124
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	



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

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



C = 380.8  
 F = 0.0  
 151+00.00

0414274-011-K013.dgn  
 7/13/2016 2:07:28 PM



USER NAME = brennar  
 PLOT SCALE = 20.0000' / 1" =  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

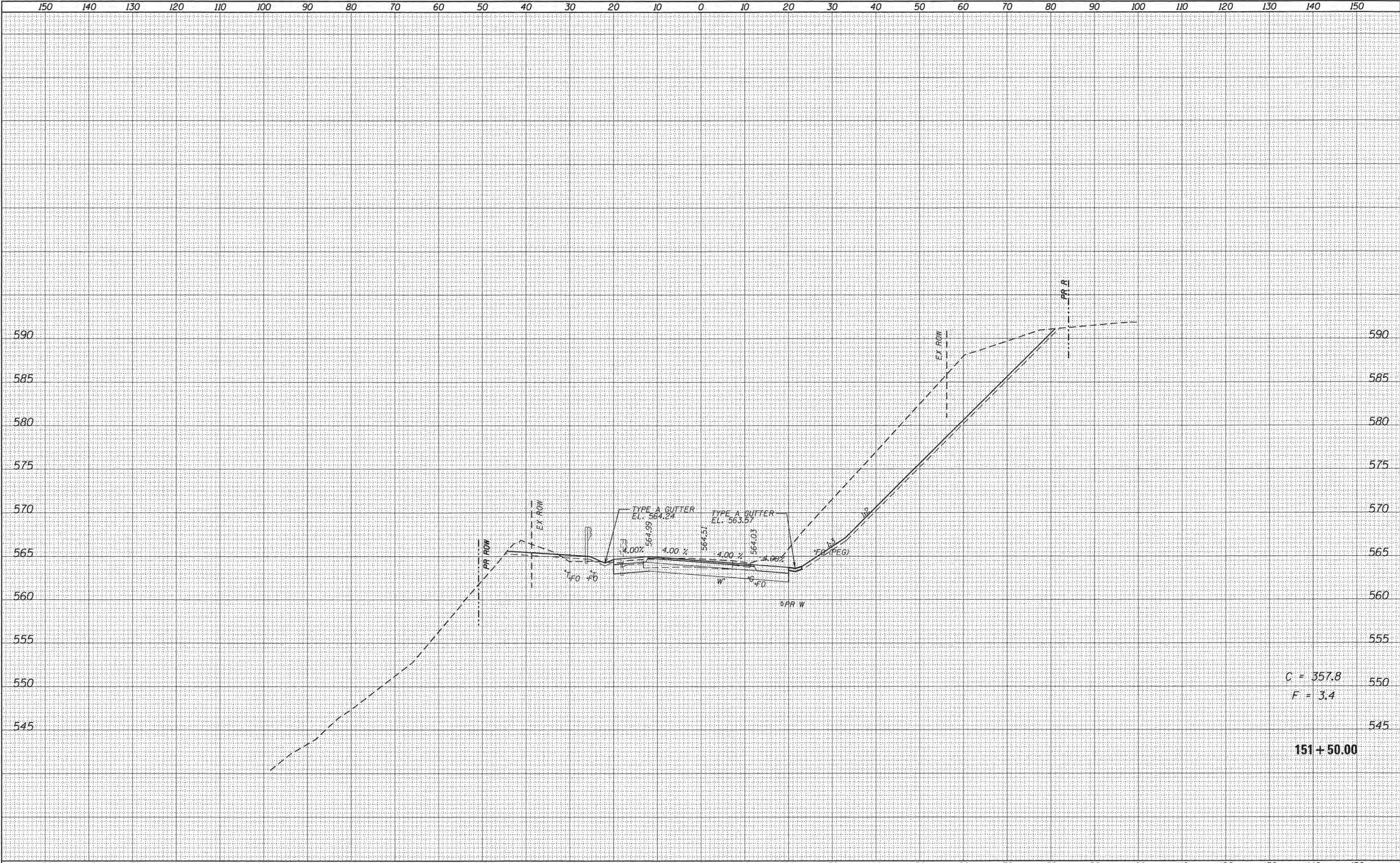
SCALE: 1"=10' SHEET 13 OF 25 SHEETS STA. 151+00.00 TO STA. 151+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	125
				CONTRACT NO. 89676
ILLINOIS FED. AID PROJECT				



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

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



C = 357.8  
 F = 3.4  
 151 + 50.00

D:\4274-sht-x801.dgn  
 7/13/2016 2:07:29 PM



USER NAME = brannan  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

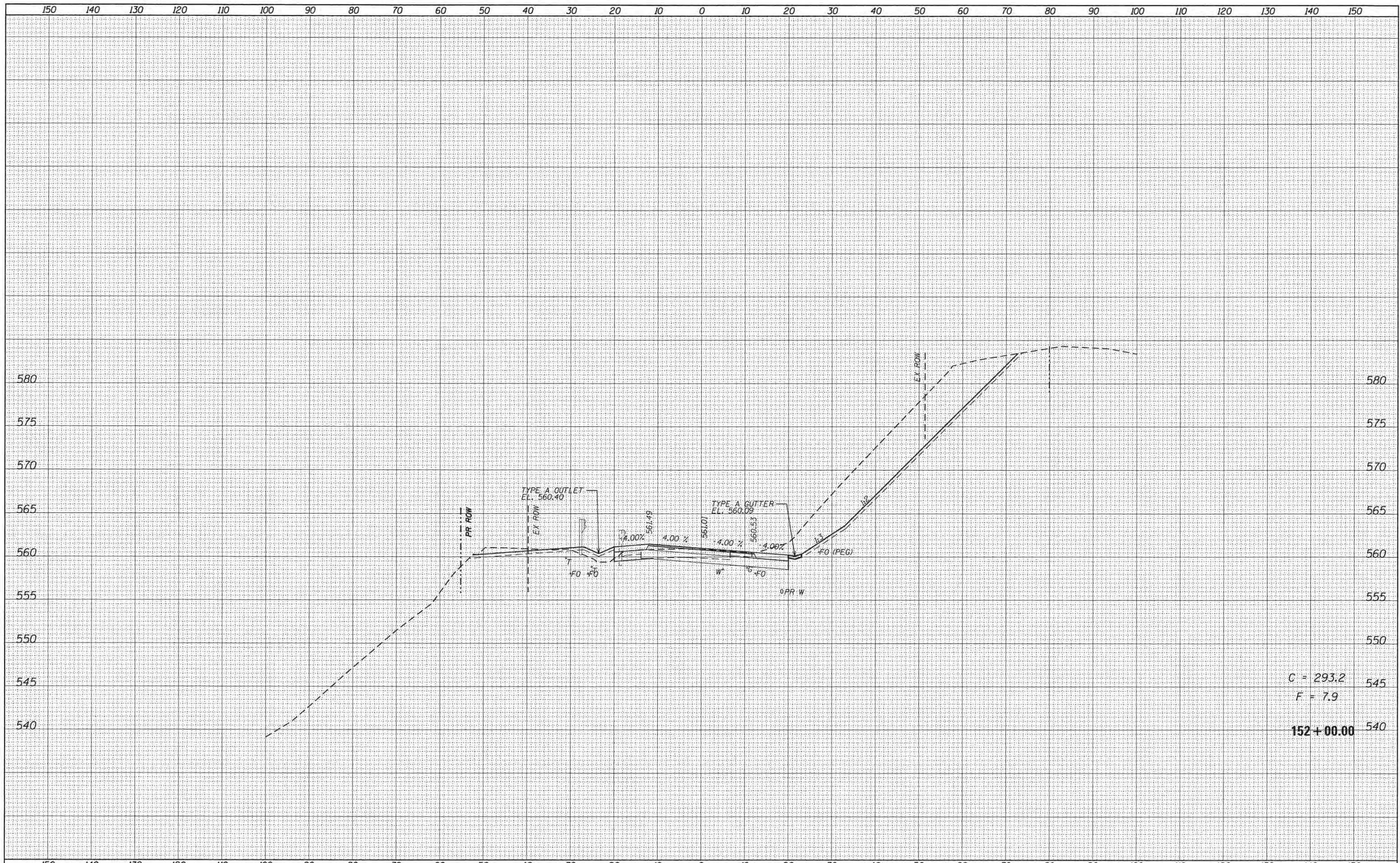
SCALE: 1"=10' SHEET 14 OF 25 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	126
			CONTRACT NO. 89676	
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



C = 293.2  
 F = 7.9  
 152+00.00

0414274-01T-0015.dgn  
 7/13/2016 2:01:30 PM



USER NAME = brennar  
 PLOT SCALE = 20.0000 1/ in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 15 OF 25 SHEETS STA. TO STA.

F.A. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 127
CONTRACT NO. 89676			ILLINOIS FED. AID PROJECT	





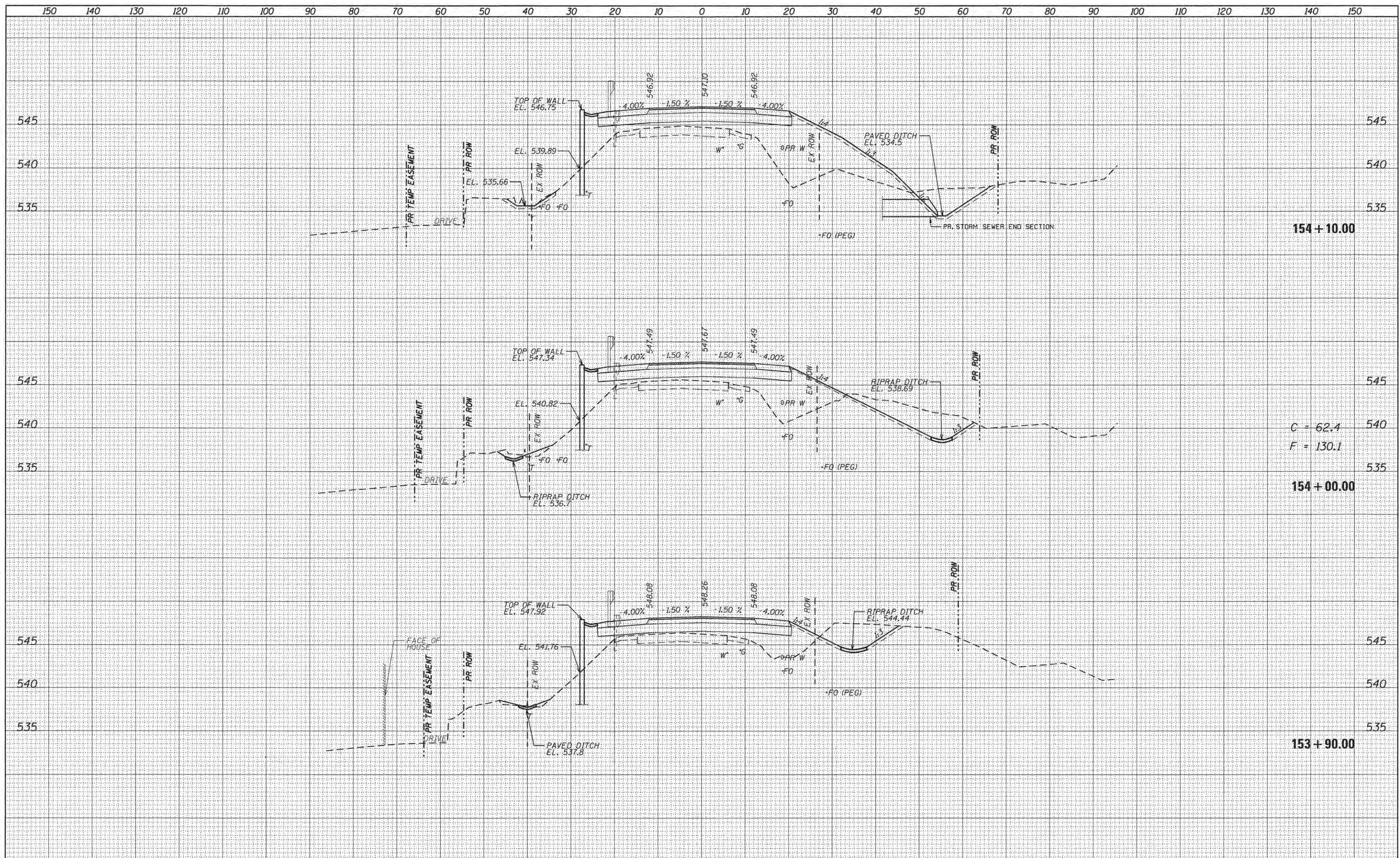






DATE	
BY	
NO.	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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

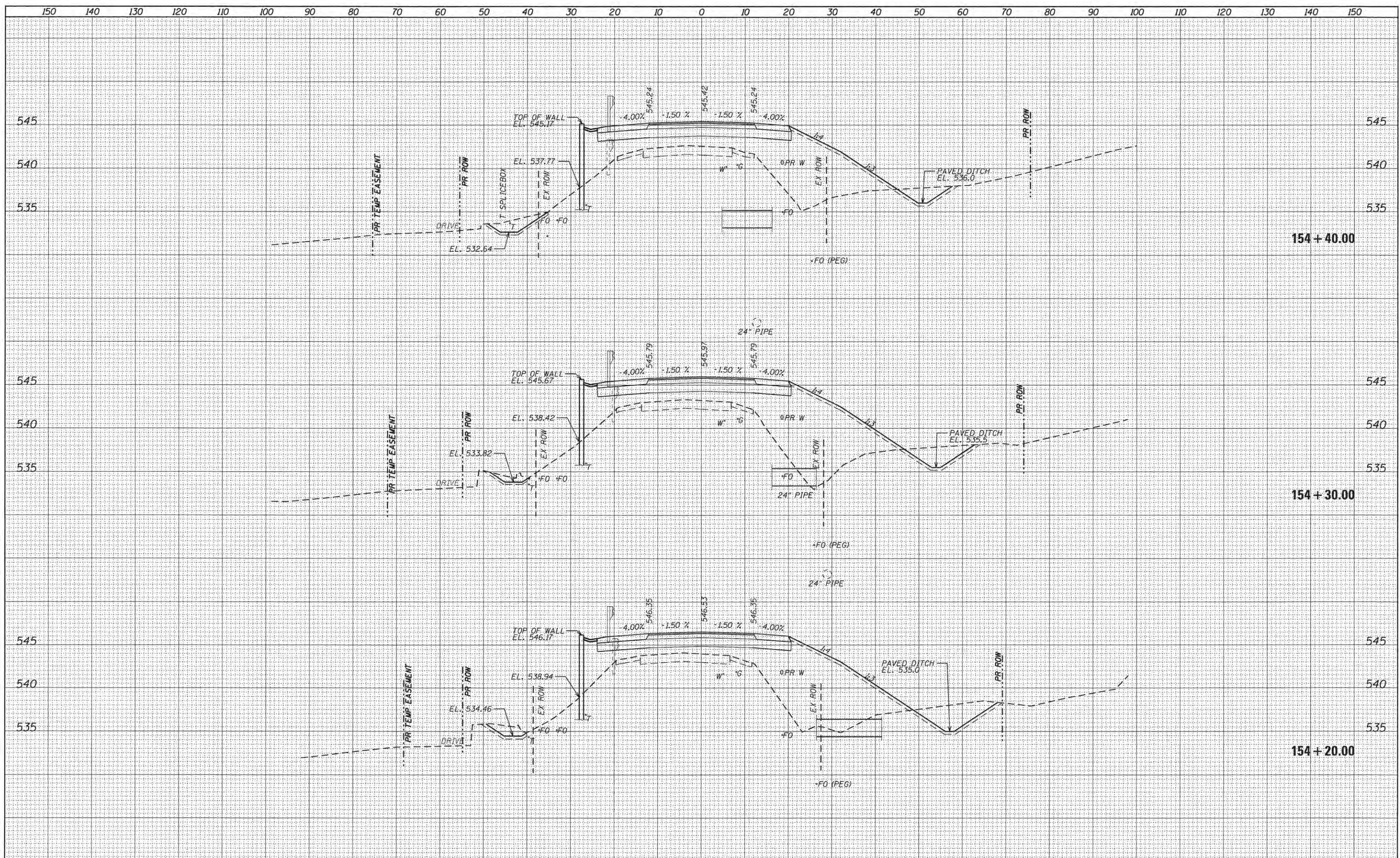


041274-311-1608.dgn  
7/13/2016 2:07:35 PM



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

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



0414274-SHT-K6019.dgn  
7/13/2016 2:01:36 PM



USER NAME = brennar  
PLOT SCALE = 20.0000' / 1" =  
PLOT DATE = 7/13/2016

DESIGNED - KJC  
DRAWN - KJC  
CHECKED - KSD  
DATE - 07/13/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
LANCASTER RD. CROSS SECTIONS

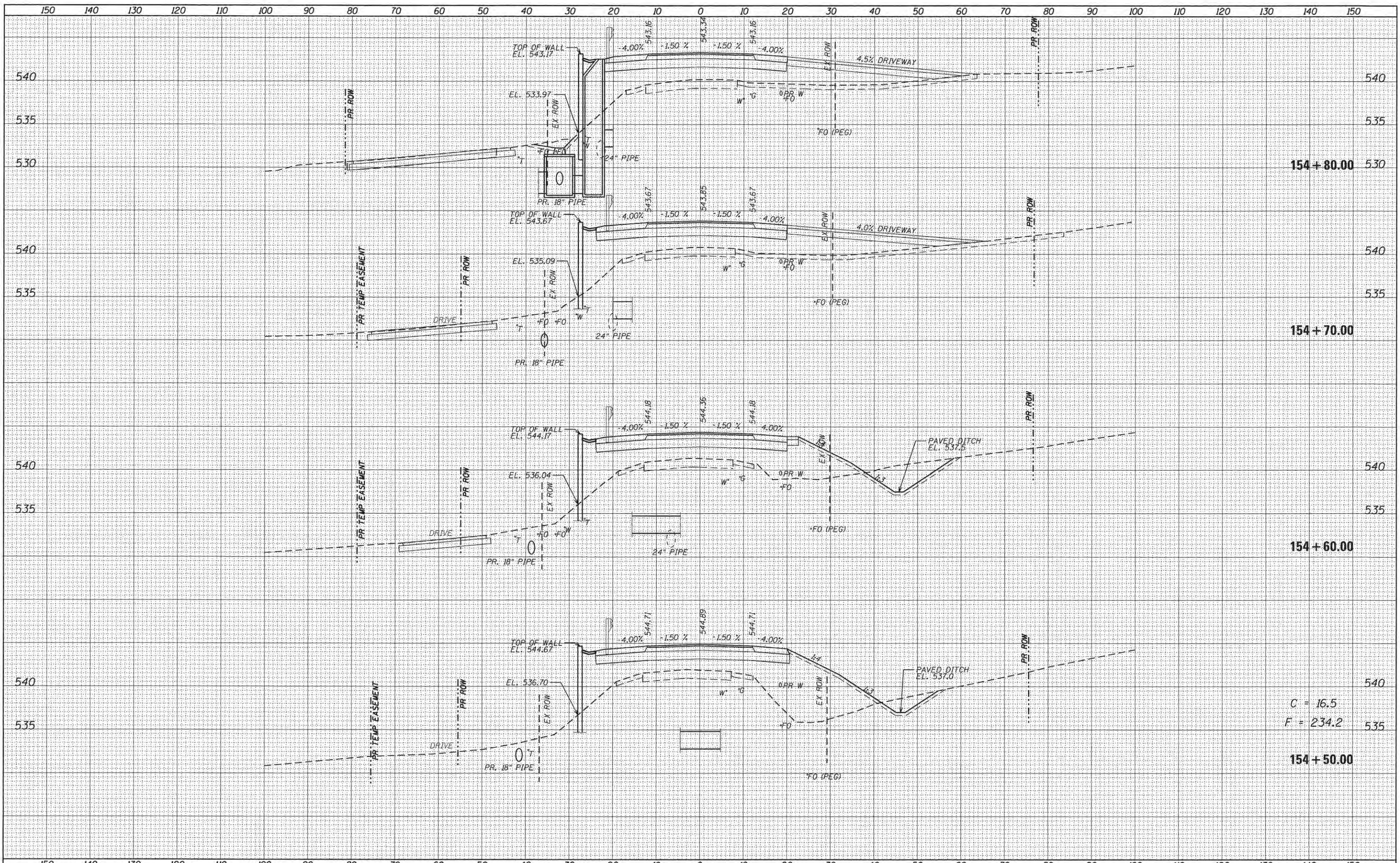
SCALE: 1"=10' SHEET 19 OF 25 SHEETS STA. 154+20.00 TO STA. 154+40.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	131
CONTRACT NO. 89616				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



D:\14274-01-1-x8020.dgn  
7/13/2016 2:07:58 PM



USER NAME = brennar  
DESIGNED - KJC  
DRAWN - KJC  
CHECKED - KSD  
DATE - 07/13/16  
PLOT SCALE = 28.0000' / in.  
PLOT DATE = 7/13/2016

DESIGNED - KJC  
DRAWN - KJC  
CHECKED - KSD  
DATE - 07/13/16  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
LANCASTER RD. CROSS SECTIONS

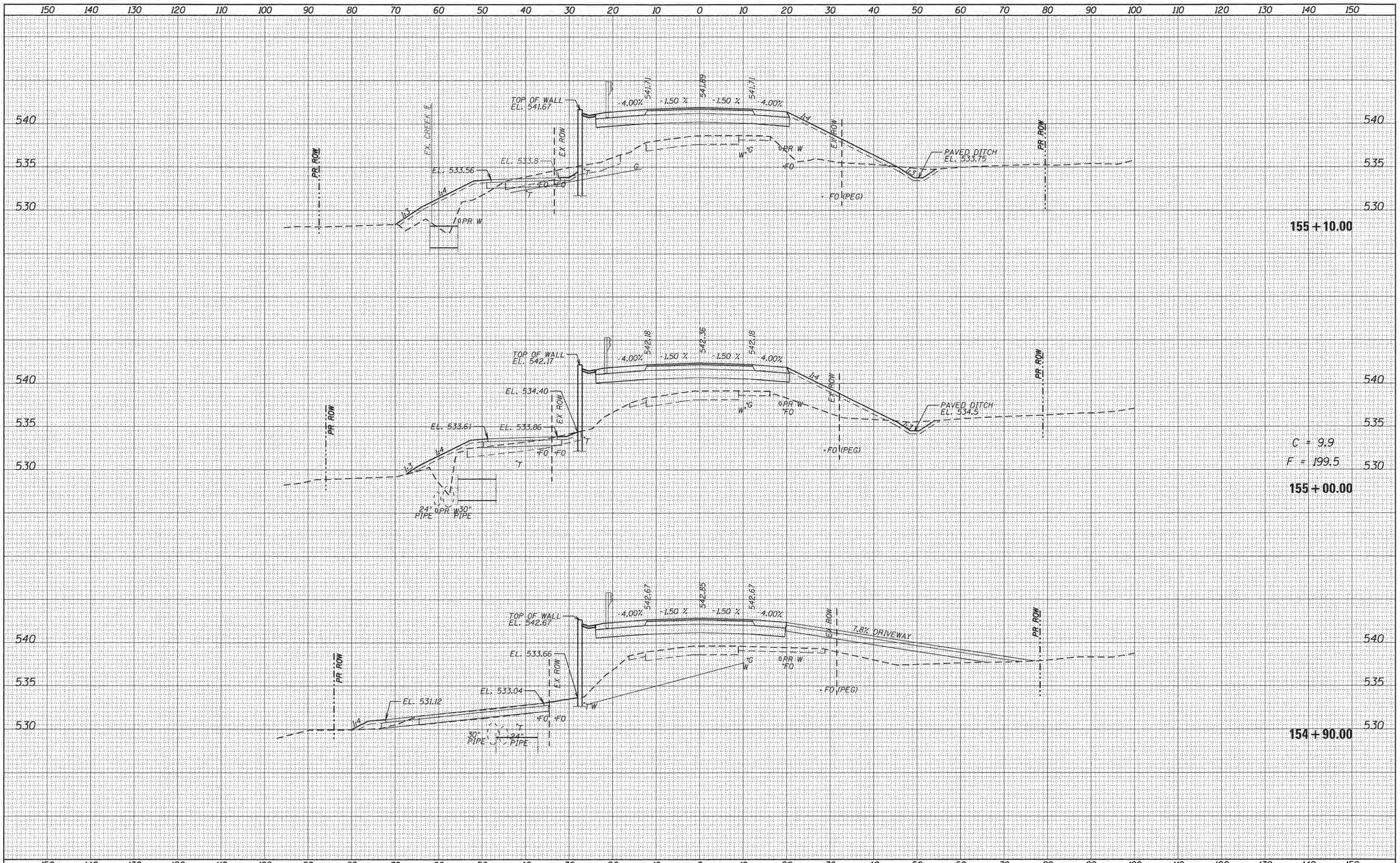
SCALE: 1"=10' SHEET 20 OF 25 SHEETS STA. TO STA. 154+80.00

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	132
			CONTRACT NO. 89676	
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	



0414274-011-x8021.dgn  
7/13/2016 2:07:40 PM



USER NAME = brennar  
PLOT SCALE = 28,0000' / in.  
PLOT DATE = 7/13/2016

DESIGNED - KJC  
DRAWN - KJC  
CHECKED - KSD  
DATE - 07/13/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

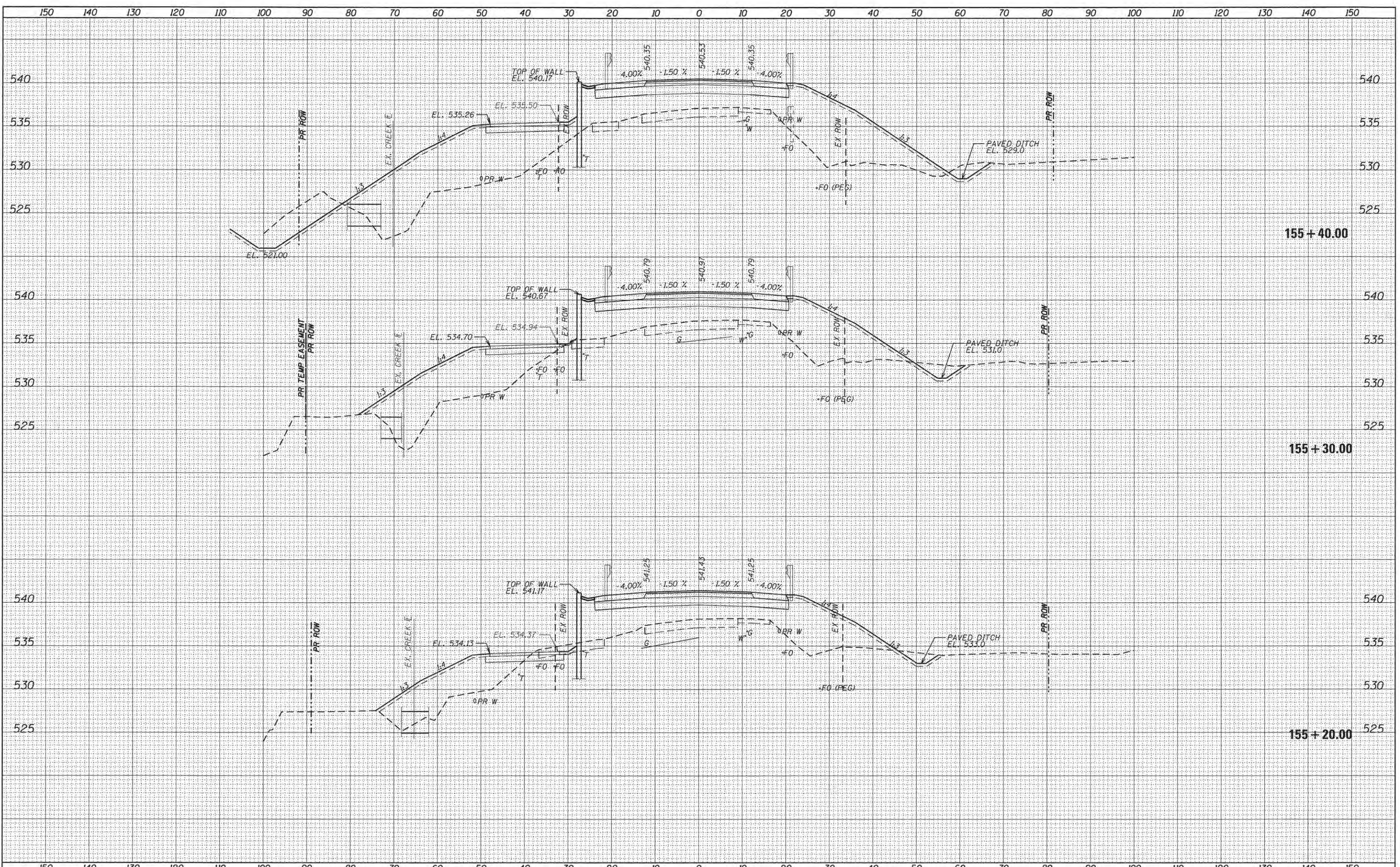
LANCASTER ROAD OVER W LAMARSH CREEK  
LANCASTER RD. CROSS SECTIONS  
SCALE: 1"=10'  
SHEET 21 OF 25 SHEETS  
STA. 154+90.00 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	133
CONTRACT NO. 89676				
ILLINOIS FED. AID PROJECT				



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 TEMPLATES \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 TEMPLATES \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



0414274-INT-X0022.dgn  
 7/13/2016 2:07:41 PM



USER NAME = lbrenner  
 PLOT SCALE = 20.0000" / in.  
 PLOT DATE = 7/13/2016

DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

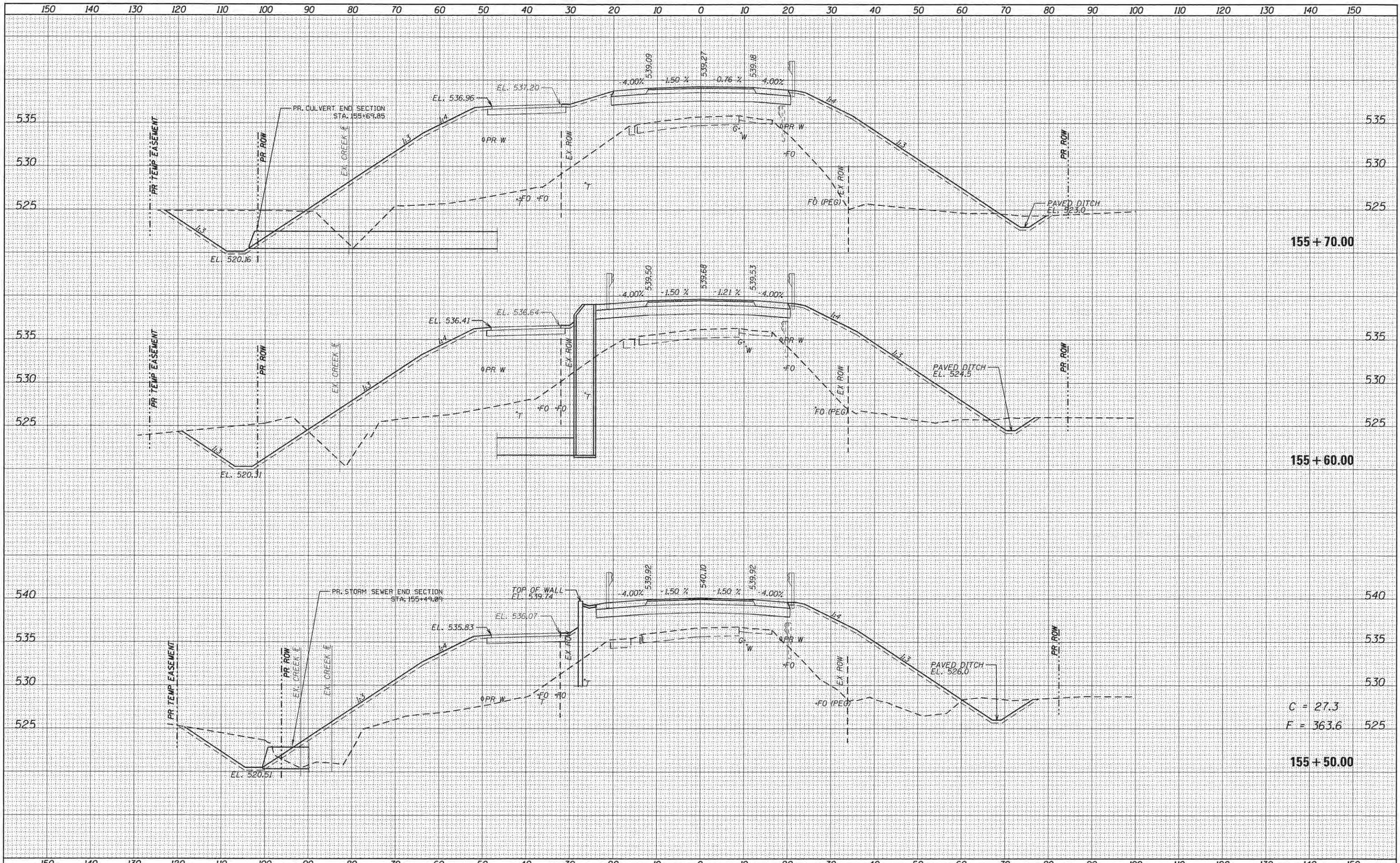
SCALE: 1"=10' SHEET 22 OF 25 SHEETS STA. TO STA. 155+40.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	134
				CONTRACT NO. 89676
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
INSTRUMENT	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
INSTRUMENT	
NOTE BOOK	
AREAS CHECKED	
NO.	



155 + 70.00

155 + 60.00

155 + 50.00

C = 27.3  
F = 363.6



USER NAME = brennan  
 DESIGNED - KJC  
 DRAWN - KJC  
 CHECKED - KSD  
 DATE - 07/13/16

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 23 OF 25 SHEETS STA. 155+50.00 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	135
				CONTRACT NO. 89676

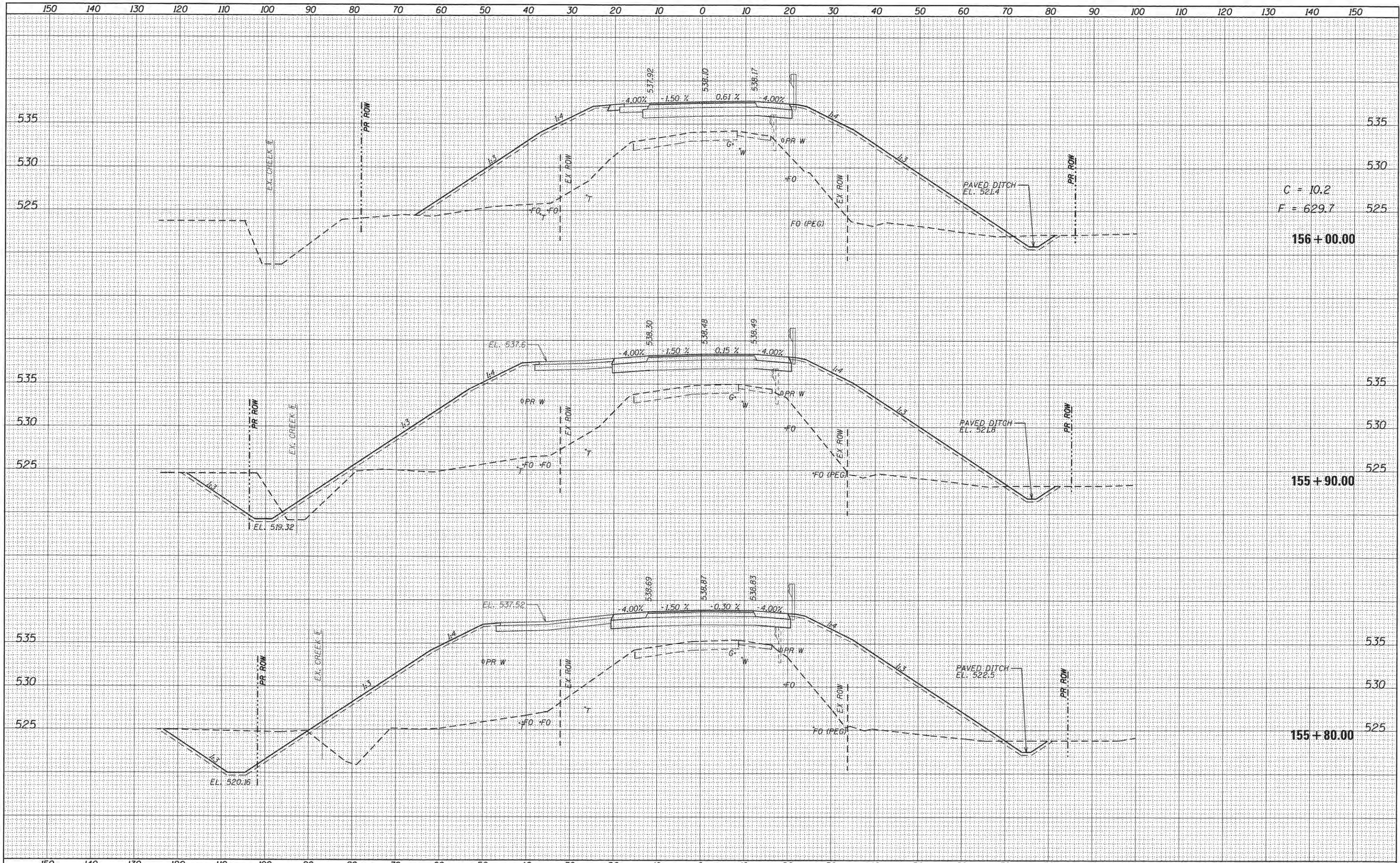
ILLINOIS FED. AID PROJECT

D:\14274-01-11-x0023.dgn  
 7/13/2016 2:07:43 PM



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

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



C = 10.2  
 F = 629.7  
**156 + 00.00**

**155 + 90.00**

**155 + 80.00**

D:\1274-BIT-x604.dgn  
 7/13/2016 2:07:44 PM



USER NAME = brenner  
 PLOT SCALE = 28,0000' / in.  
 PLOT DATE = 7/13/2016

DESIGNED -	KJC	REVISED -	
DRAWN -	KJC	REVISED -	
CHECKED -	KSD	REVISED -	
DATE -	07/13/16	REVISED -	

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: 1"=10' SHEET 24 OF 25 SHEETS STA. TO STA.

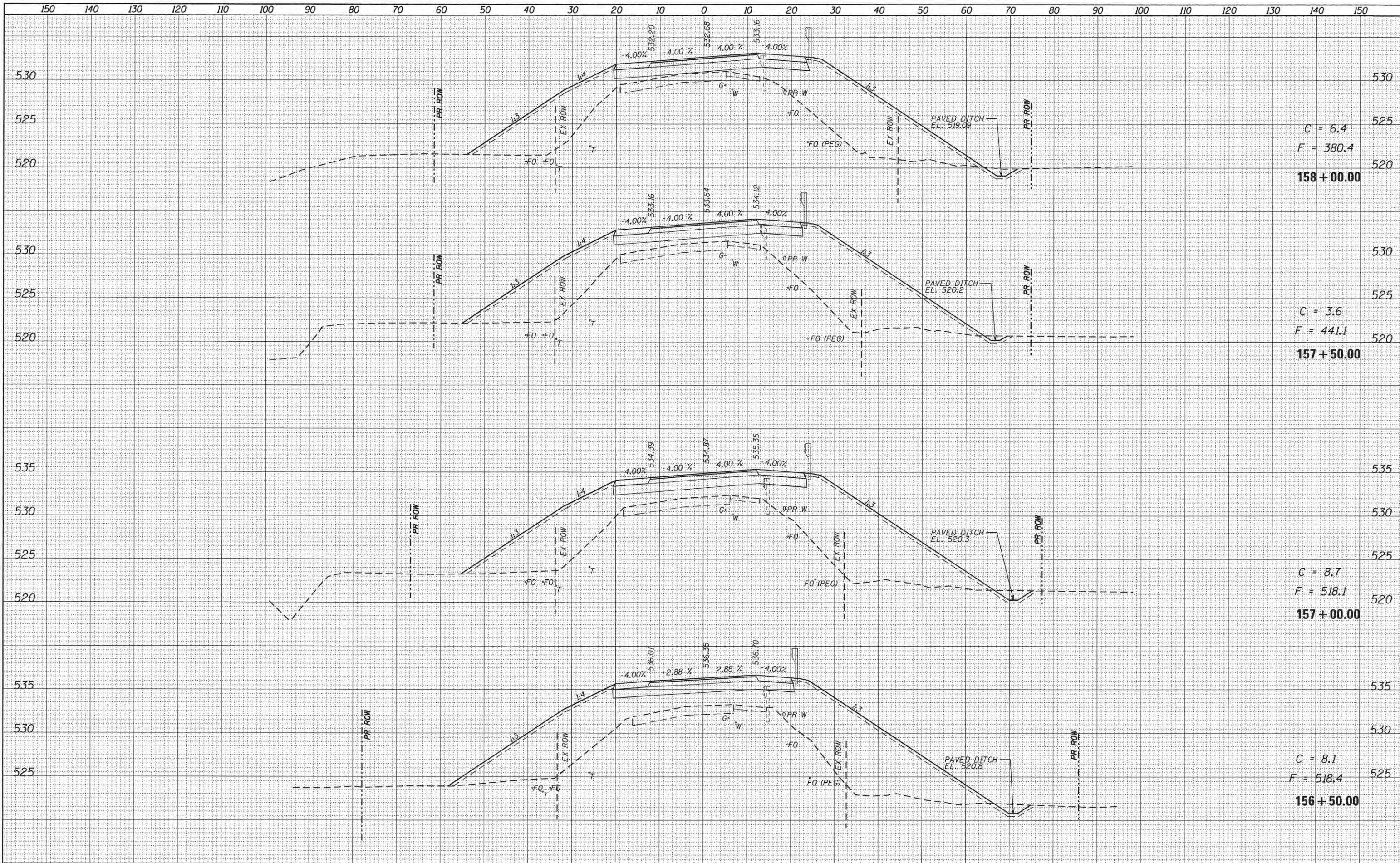
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-0049-01-BR	PEORIA	151	136
CONTRACT NO. 89676				

ILLINOIS FED. AID PROJECT



DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



C = 6.4  
 F = 380.4  
 158+00.00

C = 3.6  
 F = 441.1  
 157+50.00

C = 8.7  
 F = 518.1  
 157+00.00

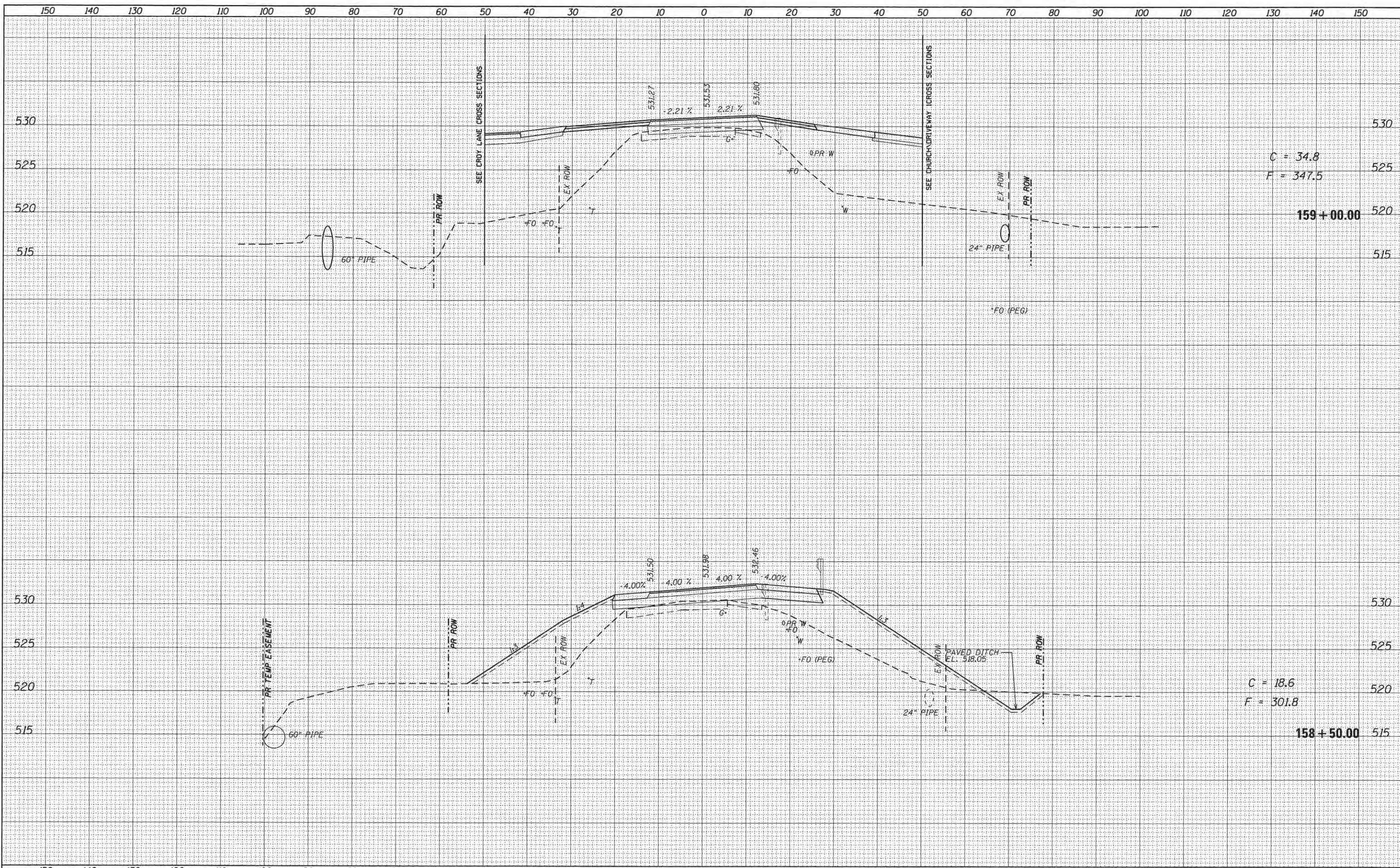
C = 8.1  
 F = 518.4  
 156+50.00

D:\1274-SHT-K025.dgn  
 7/13/2016 2:07:46 PM



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
AREAS CHECKED	
NO.	



C = 34.8  
F = 347.5

159+00.00

C = 18.6  
F = 301.8

158+50.00

D:\4274-sht-x8026.dgn  
7/13/2016 2:07:48 PM



USER NAME = brennar	DESIGNED -	REVISED -
PLLOT SCALE = 20,000.00' / in.	DRAWN -	REVISED -
PLLOT DATE = 7/13/2016	CHECKED -	REVISED -
	DATE = 07/13/16	REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
LANCASTER RD. CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	138
				CONTRACT NO. 89676
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

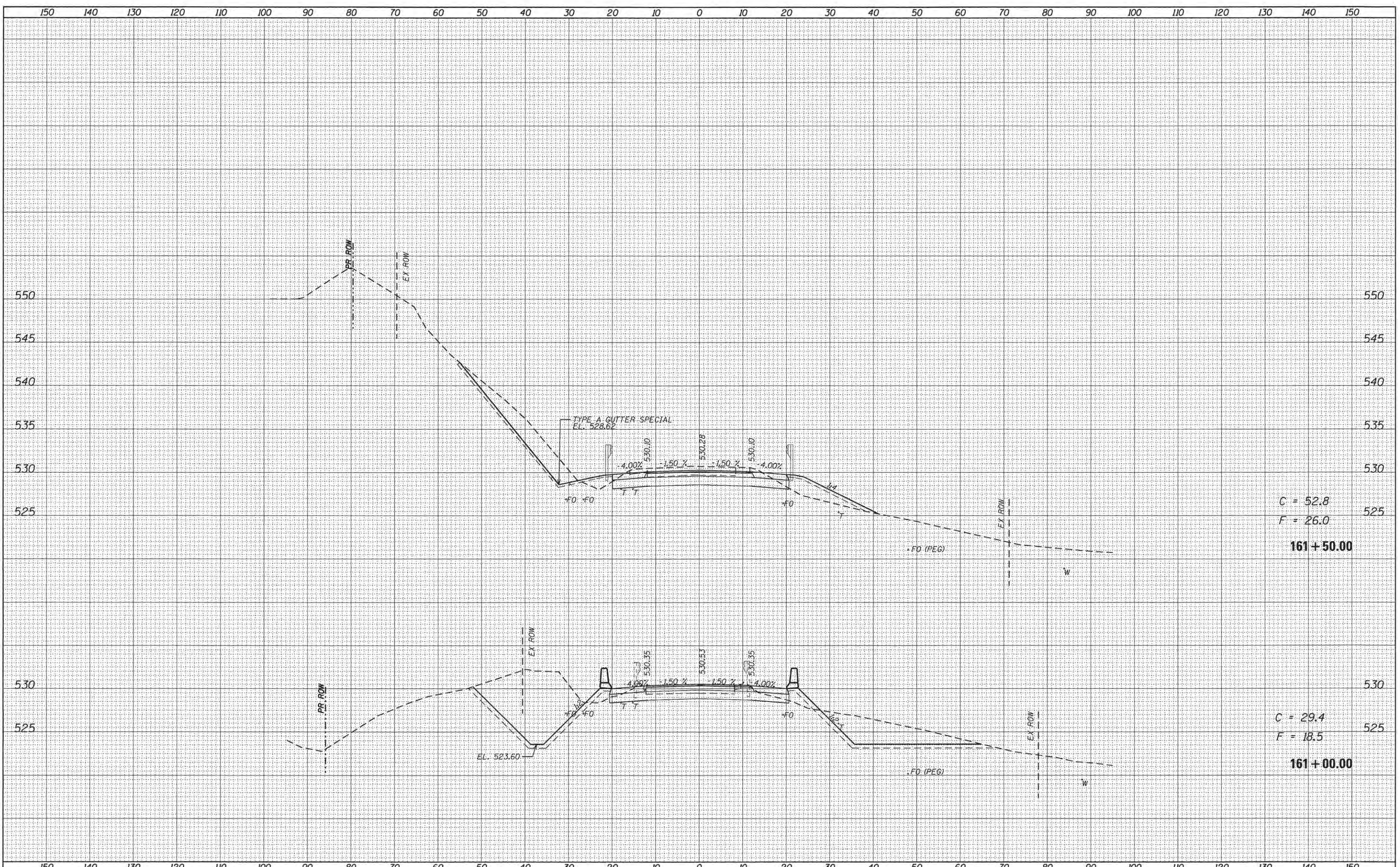






DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



C = 52.8  
 F = 26.0  
**161+50.00**

C = 29.4  
 F = 18.5  
**161+00.00**

D:\14274-rht-x028.dgn  
 7/13/2016 2:07:50 PM



USER NAME = brenner  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE = 07/13/16

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 161+00.00 TO STA. 161+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	140
CONTRACT NO. 89616			ILLINOIS FED. AID PROJECT	









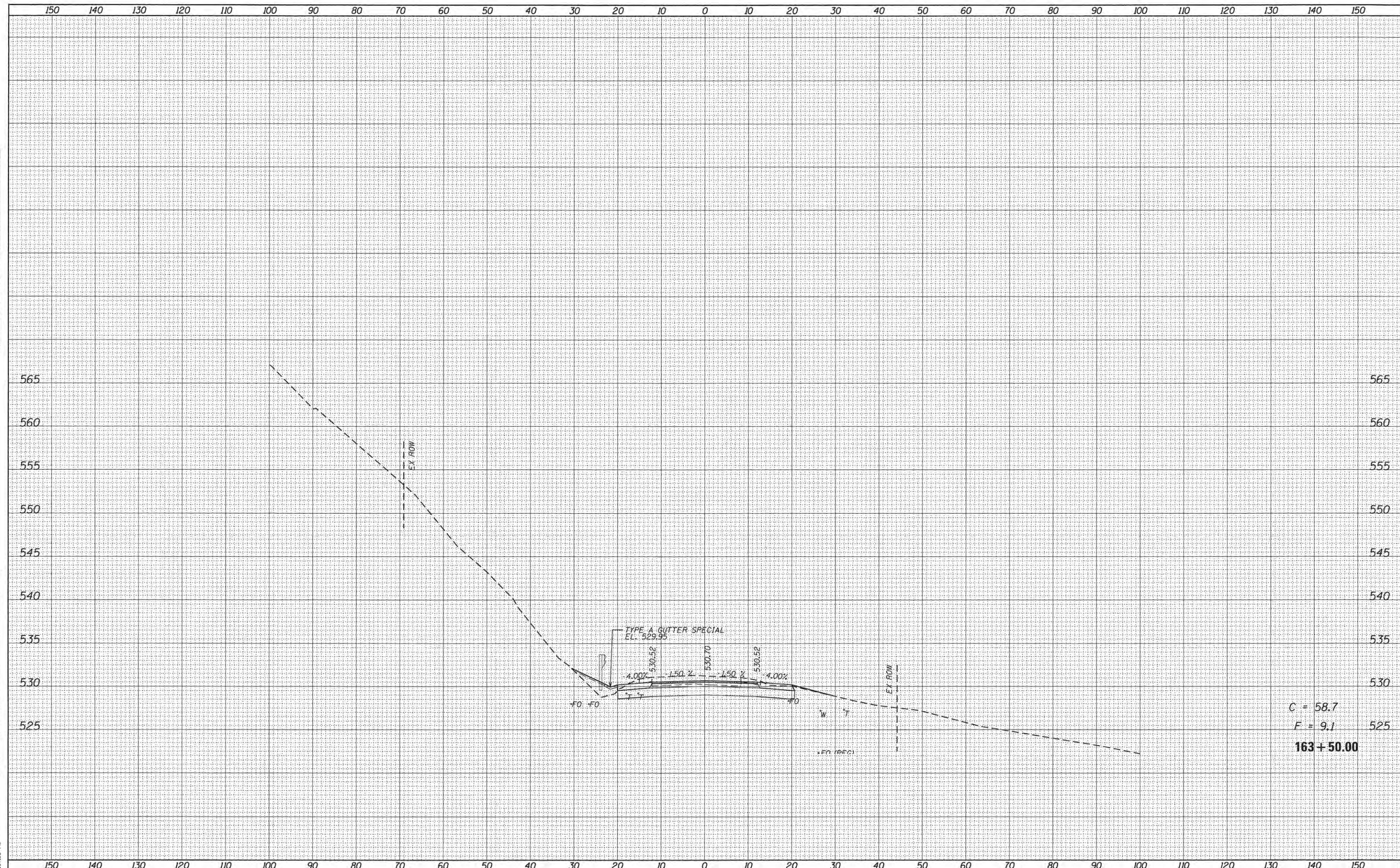






DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
FINN	
SURVEY	
NOTE BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

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



C = 58.7  
 F = 9.1  
**163+50.00**

D:\4274-sht-x8033.dgn  
 7/13/2016 2:07:56 PM



USER NAME = brennar	DESIGNED -	REVISED -
PLLOT SCALE = 20.0000' / 1" =	DRAWN -	REVISED -
PLLOT DATE = 7/13/2016	CHECKED -	REVISED -
	DATE = 07/13/16	REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS  
 SCALE: SHEET OF SHEETS STA. 163+50.00 TO STA. 163+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	144
ILLINOIS FED. AID PROJECT			CONTRACT NO. 3%76	

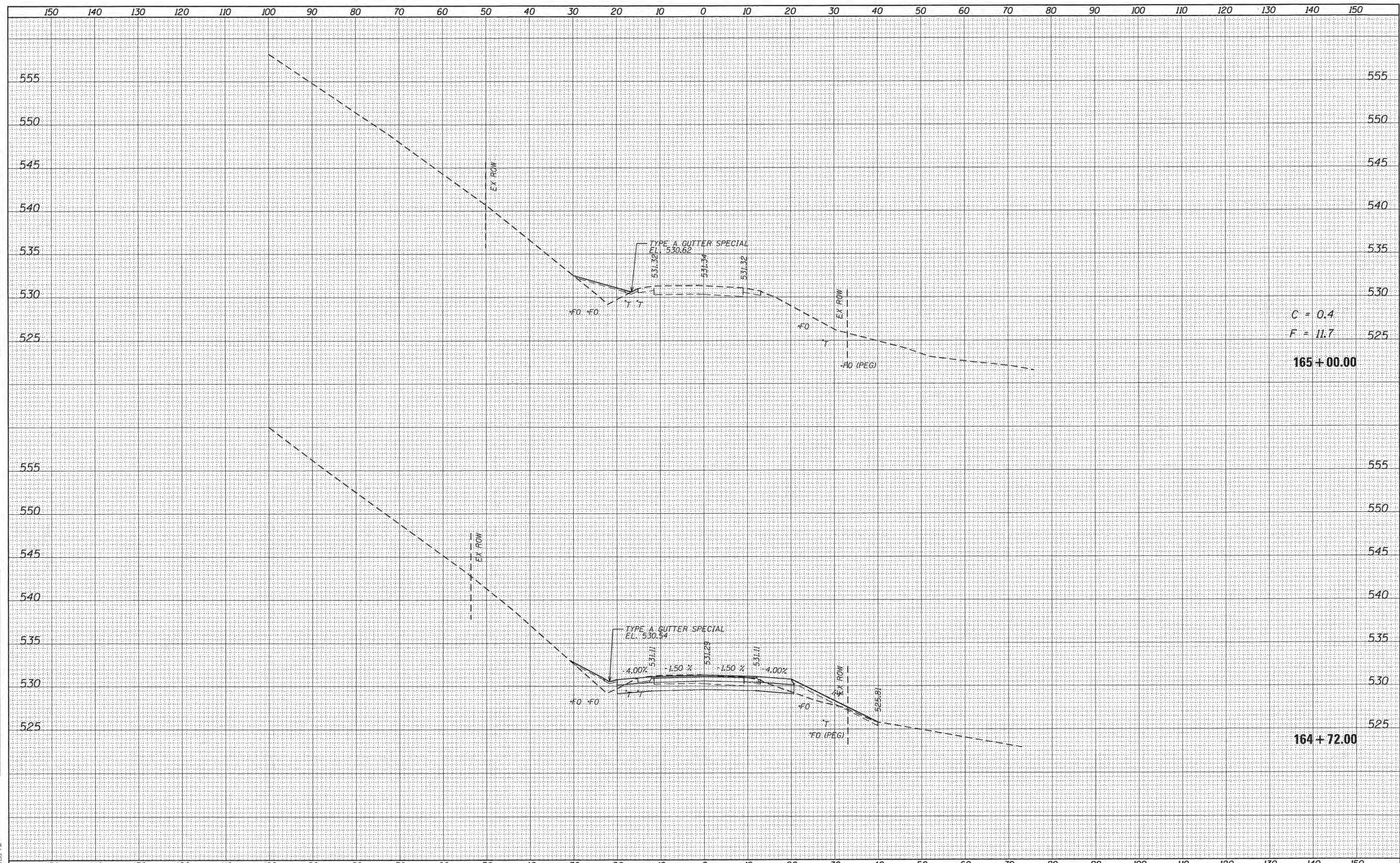






FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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



C = 0.4  
 F = 11.7  
**165 + 00.00**

**164 + 72.00**

D:\4274-sht-x8034.dgn  
 7/13/2016 2:07:59 PM



USER NAME = brenner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 7/13/2016	DATE - 07/13/16	REVISED -

STATE OF ILLINOIS  
 PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
 LANCASTER RD. CROSS SECTIONS

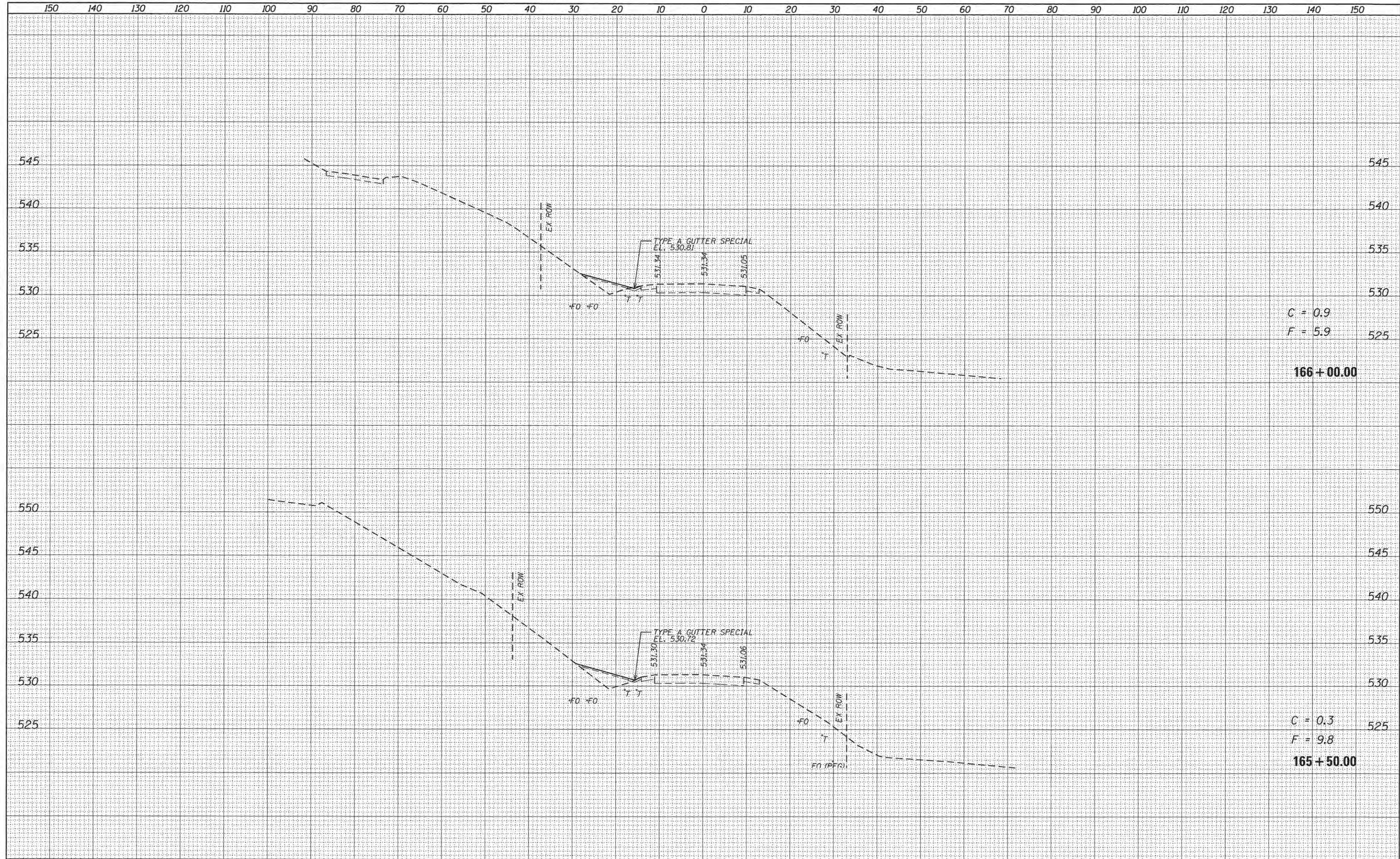
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	146
				CONTRACT NO. 89676
ILLINOIS FED. AID PROJECT				



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

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



C = 0.9  
F = 5.9

C = 0.3  
F = 9.8

166 + 00.00

165 + 50.00

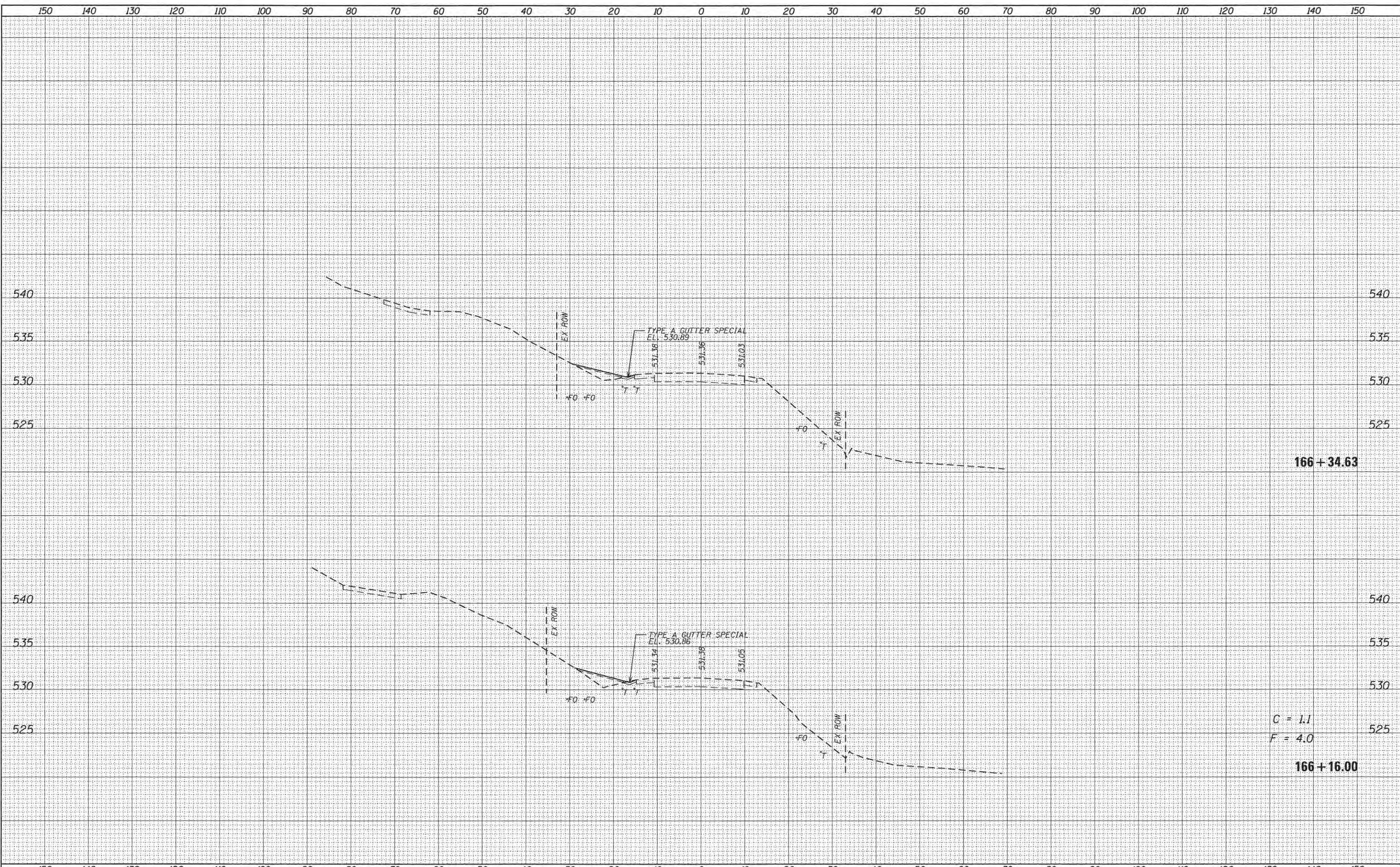
	USER NAME = brenner	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>PEORIA COUNTY HIGHWAY DEPARTMENT</b>	<b>LANCASTER ROAD OVER W LAMARSH CREEK</b> <b>LANCASTER RD. CROSS SECTIONS</b>		F.A. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 147
	PLOT SCALE = 20.0000' / in. PLOT DATE = 7/13/2016	DRAWN - CHECKED - DATE = 07/13/16	REVISED - REVISED - REVISED - REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 29676 ILLINOIS FED. AID PROJECT					

D:\14274-sht-x03035.dgn 7/13/2016 2:08:00 PM



DATE	
BY	
FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINIAL	
SURVEY	
NOTE BOOK	
NO.	

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



D:\4274-SHT-X8036.dgn  
 7/13/2016 2:08:02 PM

**TERRA**  
ENGINEERING LTD.

USER NAME = lbrenner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 7/13/2016	DATE - 07/13/16	REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

**LANCASTER ROAD OVER W LAMARSH CREEK**  
**LANCASTER RD. CROSS SECTIONS**

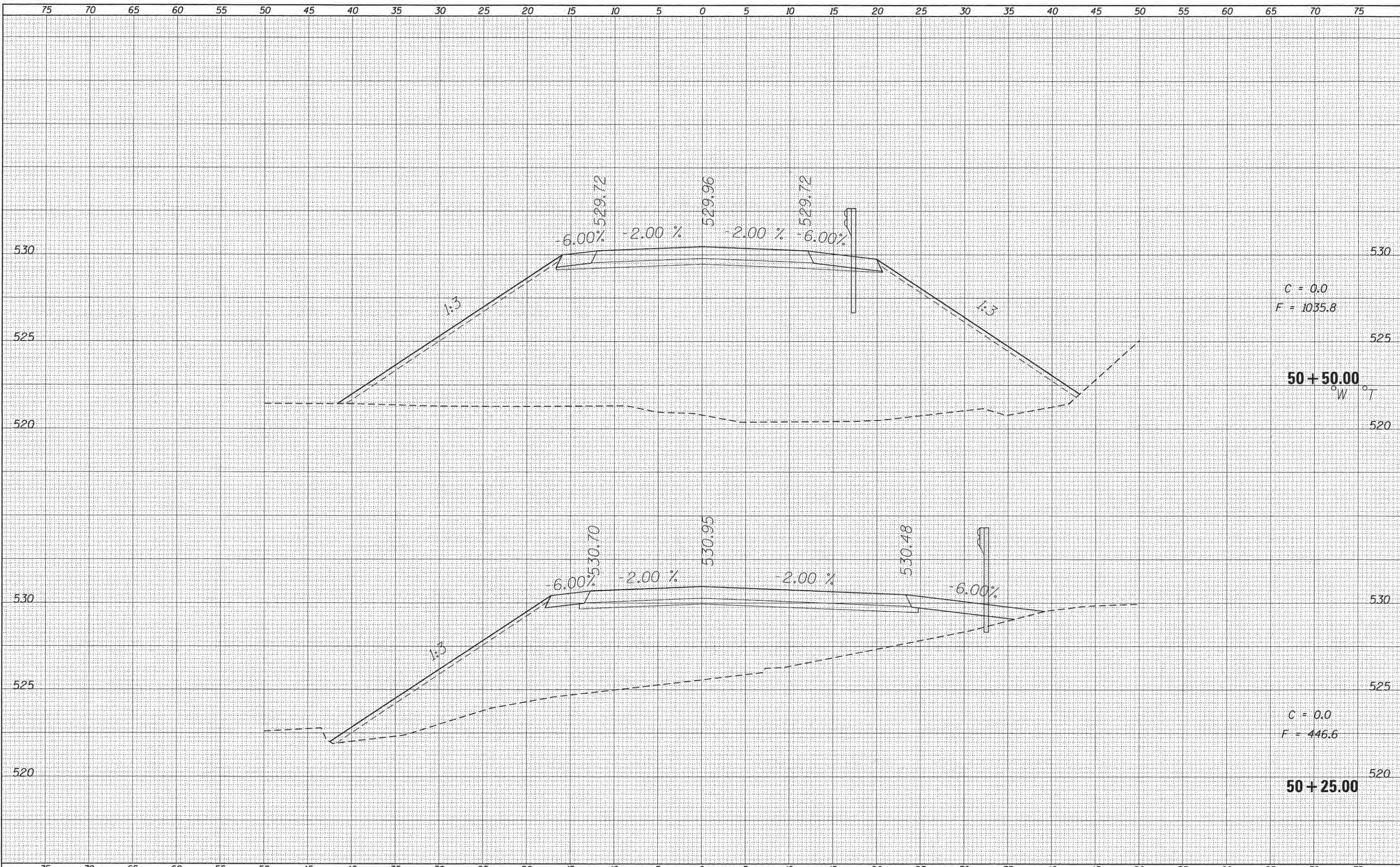
F.A. RTE. 389	SECTION 13-00049-01-BR	COUNTY PEORIA	TOTAL SHEETS 151	SHEET NO. 148
CONTRACT NO. 39676				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
TEMPLATES	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
TEMPLATES	
AREAS CHECKED	



C = 0.0  
F = 1035.8

C = 0.0  
F = 446.6

50 + 50.00  
W T

50 + 25.00



USER NAME = brennar  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE = 07/13/16

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
CROY LANE CROSS SECTIONS

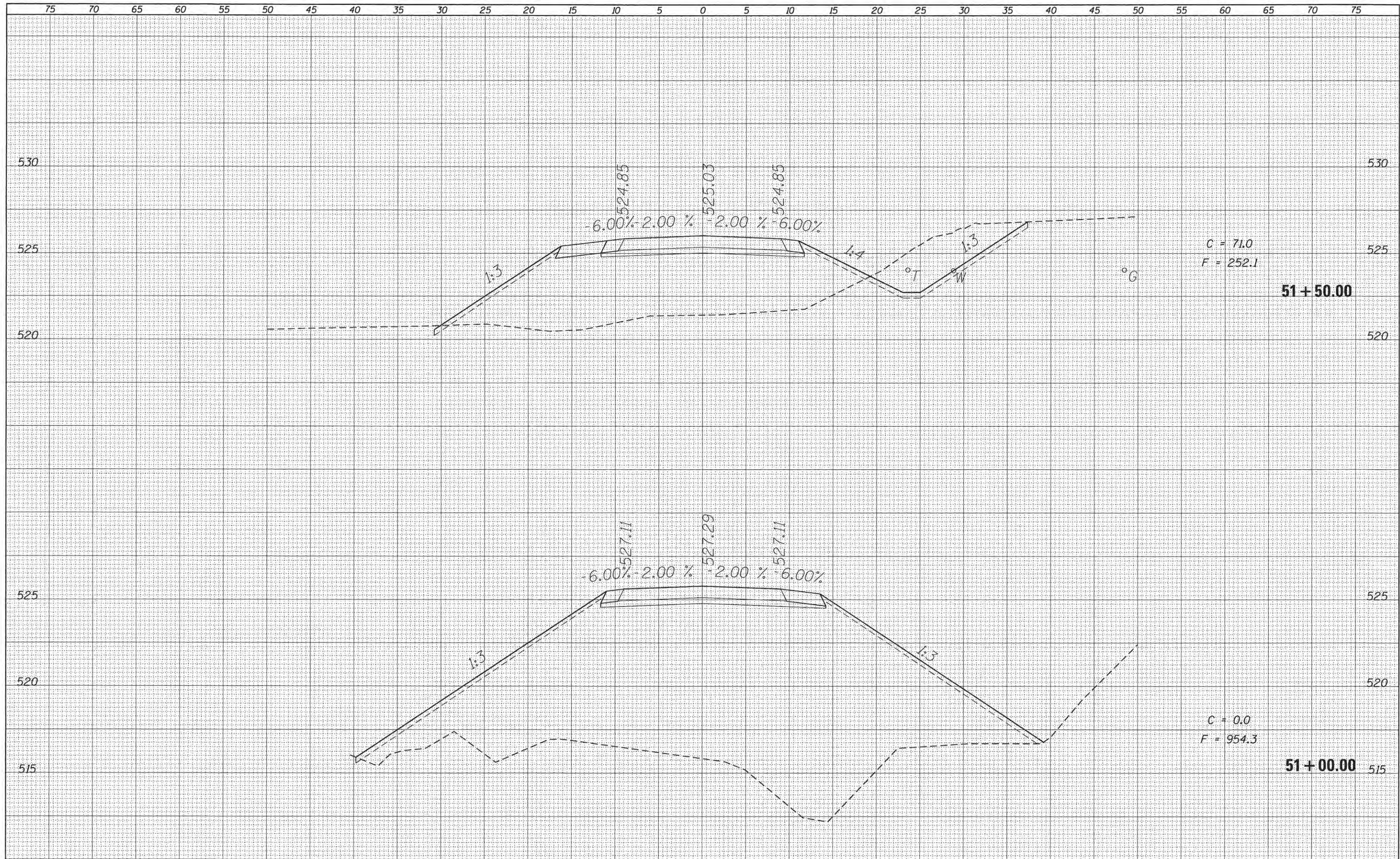
SCALE: SHEET OF SHEETS STA. 50+00.00 TO STA. 50+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	149
CONTRACT NO. 89676				

ILLINOIS FED. AID PROJECT

D:\4274-01T-xd03.dgn  
7/13/2016 2:08:03 PM





C = 71.0  
F = 252.1

51+50.00

C = 0.0  
F = 954.3

51+00.00

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

USER NAME = brennar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 7/13/2016	DATE = 07/13/16	REVISED -

STATE OF ILLINOIS  
PEORIA COUNTY HIGHWAY DEPARTMENT

LANCASTER ROAD OVER W LAMARSH CREEK  
CROY LANE CROSS SECTIONS

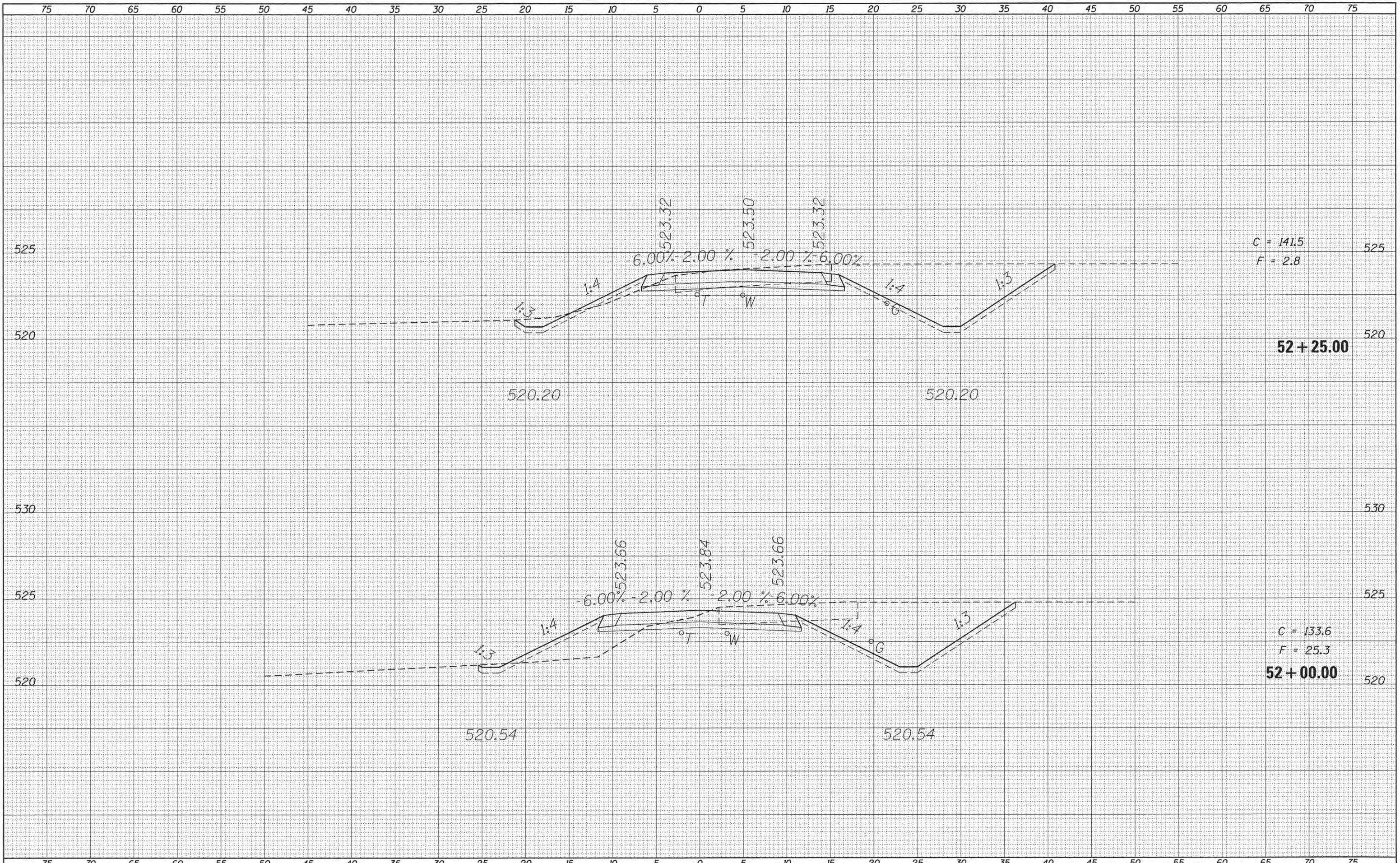
SCALE: SHEET OF SHEETS STA. 50+50.00 TO STA. 50+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	13-00049-01-BR	PEORIA	151	150
CONTRACT NO. 89676				
ILLINOIS FED. AID PROJECT				

AREA'S CHECKED  
NO.



AREAS CHECKED  
 NO.  
 AREAS CHECKED  
 NO.



044274-BIT-0001.dgn  
 7/13/2016 2:08:06 PM

USER NAME = breinar	DESIGNED -	REVISED -	STATE OF ILLINOIS PEORIA COUNTY HIGHWAY DEPARTMENT		LANCASTER ROAD OVER W LAMARSH CREEK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10,0000' / 1"	DRAWN -	REVISED -			CROY LANE CROSS SECTIONS			389	13-00049-01-BR	PEORIA	151	151
PLOT DATE = 7/13/2016	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA. 51+25.00			CONTRACT NO. 89674		ILLINOIS FED. AID PROJECT		
	DATE - 07/13/16	REVISED -										