

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

PLANS FOR PROPOSED LOCAL AGENCY PROJECT

**EMERGENCY FUNDS
FAS ROUTE 756 (BATCHTOWN RD)
SECTION 15-00052-05-PV
PROJECT NO. W87C(875)
CALHOUN COUNTY
JOB NO. C-98-333-15**

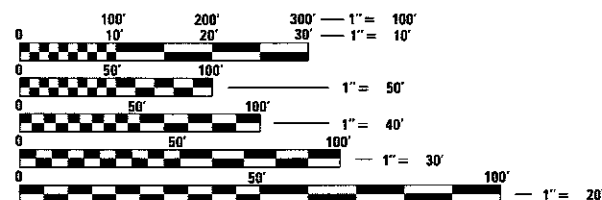
INDEX OF SHEETS

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HIGHWAY STANDARDS

IDOT HIGHWAY STANDARDS

000001-06	630301-07
001001-02	666001-01
001006	701001-02
280001-07	701301-04
542401-02	701901-06
542406-02	725001-01
601001-05	780001-05
601101-02	782006
606401-02	BLR17-4
630001-11	BLR21-9
630106-02	BLR23-4
630201-07	

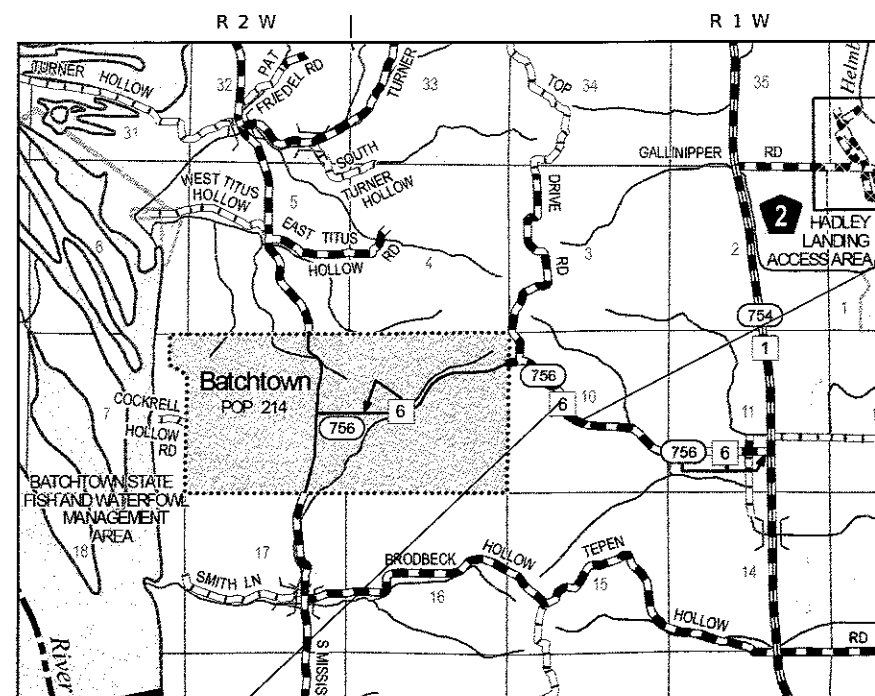
**FUNCTIONAL CLASSIFICATION
RURAL MAJOR COLLECTOR
2012 ADT = 950**



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

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

CONTRACT NO. 97660



LOCATION MAP
END PROJECT STA 590+37.90
BEGIN PROJECT STA 578+07.27

GROSS LENGTH OF PROJECT = 1,230.63 FEET (0.233 MILES)
NET LENGTH OF PROJECT = 1,230.63 FEET (0.233 MILES)

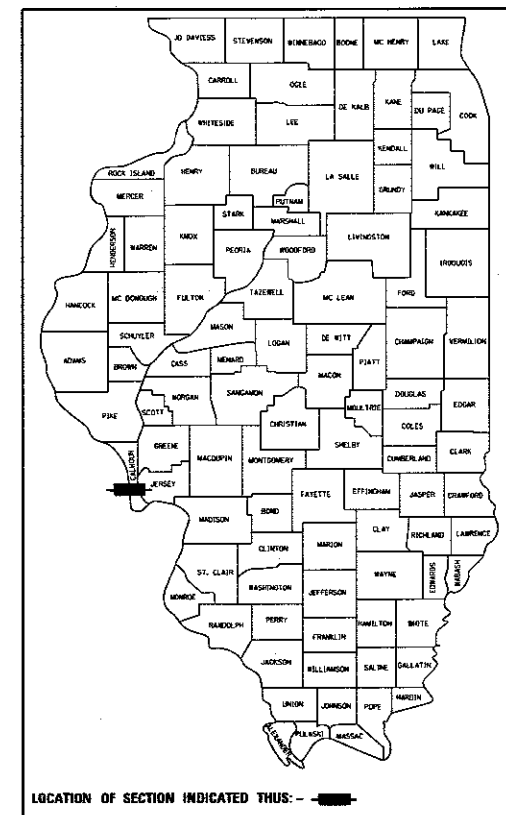
PLANS PREPARED BY



604 Pierce Boulevard, Suite 300 • O'Fallon, Illinois 62269
Phone: (618) 622-3040
Illinois Professional Design Firm No. 184-000435
License Expires 4/30/2019



Bradley E. Riechmann 9/28/17
Bradley E. Riechmann, P.E. Date
License Expires 11/30/2017



CALHOUN COUNTY ILLINOIS
Calhoun County, Illinois
RR # 1 Box 13B
Hardin, Illinois 62047
Phone: (618) 576-2600
Fax: (618) 576-9214

APPROVED *[Signature]* 9/28/17
COUNTY ENGINEER, CALHOUN COUNTY, ILLINOIS

PASSED *[Signature]* 10/3/17
DISTRICT ENGINEER OF LOCAL ROAD & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *[Signature]* 10/3/17
REGION 5 ENGINEER

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

GENERAL NOTES

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2016, AND THE PROJECT SPECIAL PROVISIONS.
- ALL ELEVATIONS REFER TO NATIONAL GEODETIC SURVEY (N.G.S.) DATUM.
- FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN THE N.W.¼ AND S.W.¼ OF SECTION 10, T. 12 S., R. 2 W. OF THE 4TH P.M.

AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE LIMITS OF THIS PROJECT ARE SHOWN BELOW (MEMBERS OF J.U.L.I.E. PHONE (800) 892-0123, ARE INDICATED BY *)

*CITIZENS COMMUNICATIONS
225 NORTH BROAD
CARLINVILLE, ILLINOIS 62626
(217) 854-4013

ILLINOIS RURAL ELECTRIC COOPERATIVE
2 SOUTH MAIN
WINCHESTER, ILLINOIS 62694
(800) 468-4732

- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	0.056	TON/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056	TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05	TON/CU YD
AGGREGATE (SEAL COAT & COVER COAT)	25	LB/SQ YD
BITUMINOUS MATERIALS:		
TACK COAT:		
- ON PAVEMENT	0.05	LB/SQ YD
- ON COLD MILLED SURFACE	0.05	LB/SQ YD
- FOG COAT ON NEW BINDER	0.025	LB/SQ YD
PRIME COAT:	0.002	TON/SQ YD
- ON AGGREGATE		
COVER AND SEAL COATS	0.25	LB/SQ YD
RIP RAP	1.5	TON/CU YD
SEEDING, CLASS 2A	200	LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90	LB/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90	LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LB/ACRE
MULCH	2	TON/ACRE

- TREE CLEARING TO BE COMPLETED PRIOR TO APRIL 1, 2018.
- ALL BUILDING STRUCTURES IN PROJECT LIMITS ARE INCLUDED IN CLEARING AND ARE TO BE REMOVED IN ACCORDANCE WITH SECTION 202 OF IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2016.

COMMITMENTS

NONE

MIXTURE DESIGNS

LOCATION(S):	BATCHTOWN ROAD	BATCHTOWN ROAD	INCIDENTAL HMA
MIXTURE USE(S):	HMA SURFACE	HMA BINDER	TOP 2"
PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N90	4.0% @ N90	4.0% @ N50
MIXTURE COMPOSITION:	IL-12.5	IL-19.0	IL-9.5
FRICITION AGGREGATE:	MIX "D"	MIX "D"	MIX "C"

MIXTURE DIAGRAMS

BATCHTOWN ROAD

1½" HMA SURFACE
2½" HMA BINDER
2½" HMA BINDER

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6½"

SUMMARY OF QUANTITIES				CONSTRUCTION CODE
CODE NO	ITEM	UNIT	TOTAL	ROADWAY 0004 RURAL
20100500	TREE REMOVAL, ACRES	ACRE	3.00	3.00
20200100	EARTH EXCAVATION	CU YD	7485	7485
20800150	TRENCH BACKFILL	CU YD	240	240
* 25000210	SEEDING, CLASS 2A	ACRE	2.25	2.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	212	212
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	212	212
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	212	212
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.7	4.7
* 25100115	MULCH, METHOD 2	ACRE	2.25	2.25
* 25100630	EROSION CONTROL BLANKET	SQ YD	11403	11403
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	236	236
28000305	TEMPORARY DITCH CHECKS	FOOT	1260	1260
28000400	PERIMETER EROSION BARRIER	FOOT	1147	1147
28000500	INLET AND PIPE PROTECTION	EACH	5	5

* SPECIALTY ITEM

SUMMARY OF QUANTITIES				CONSTRUCTION CODE
CODE NO	ITEM	UNIT	TOTAL	ROADWAY 0004 RURAL
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	11403	11403
28100205	STONE RIPRAP, CLASS A3	TON	313	313
28200200	FILTER FABRIC	SQ YD	974	974
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	2638	2638
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	52	52
40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	236	236
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	3.3	3.3
40300500	COVER COAT AGGREGATE	TON	13	13
40300600	SEAL COAT AGGREGATE	TON	7	7
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6498	6498
40701811	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 1/2"	SQ YD	2295	2295
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6	6
44000100	PAVEMENT REMOVAL	SQ YD	1671	1671
44000400	GUTTER REMOVAL	FOOT	941	941

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 USER NAME = jpe@bore
 DESIGNED -
 CHECKED -
 DATE -
 PLOT SCALE = 2.0000' / 1"
 PLOT DATE = 10/22/17

REVISED -
 REVISED -
 REVISED -
 REVISED -



Calhoun County
Highway Department

SUMMARY OF QUANTITIES

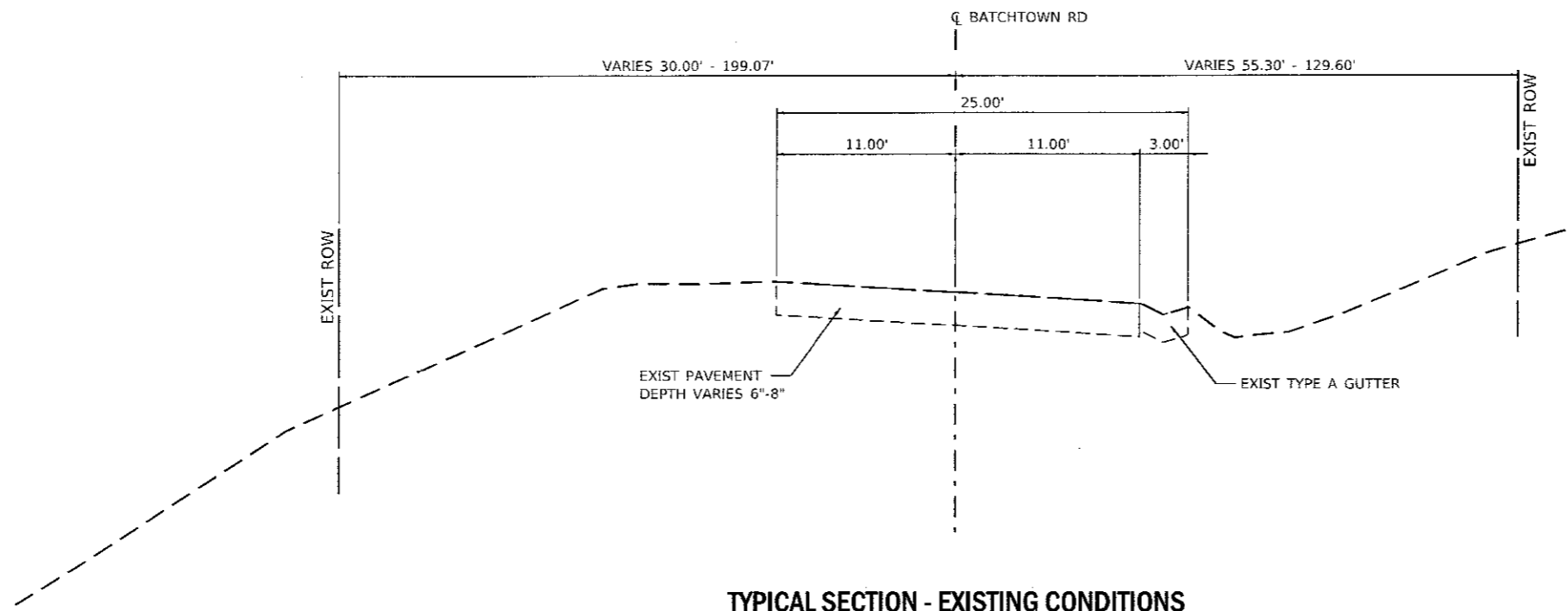
SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 3
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL	ROADWAY	RURAL
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	544	544	
50105220	PIPE CULVERT REMOVAL	FOOT	307	307	
54215436	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 36"	EACH	2	2	
54215448	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"	EACH	2	2	
54215559	METAL END SECTIONS 24"	EACH	2	2	
54215805	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 60"	EACH	2	2	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4	
60100080	FRENCH DRAINS	CU YD	555.2	555.2	
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	11840	11840	
60107600	PIPE UNDERDRAINS 4"	FOOT	1698	1698	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	80	80	
60500040	REMOVING MANHOLES	EACH	1	1	
60600095	CLASS S1 CONCRETE (OUTLET)	CU YD	18.1	18.1	
60602500	CONCRETE GUTTER, TYPE A	FOOT	902.0	902.0	

* SPECIALTY ITEM

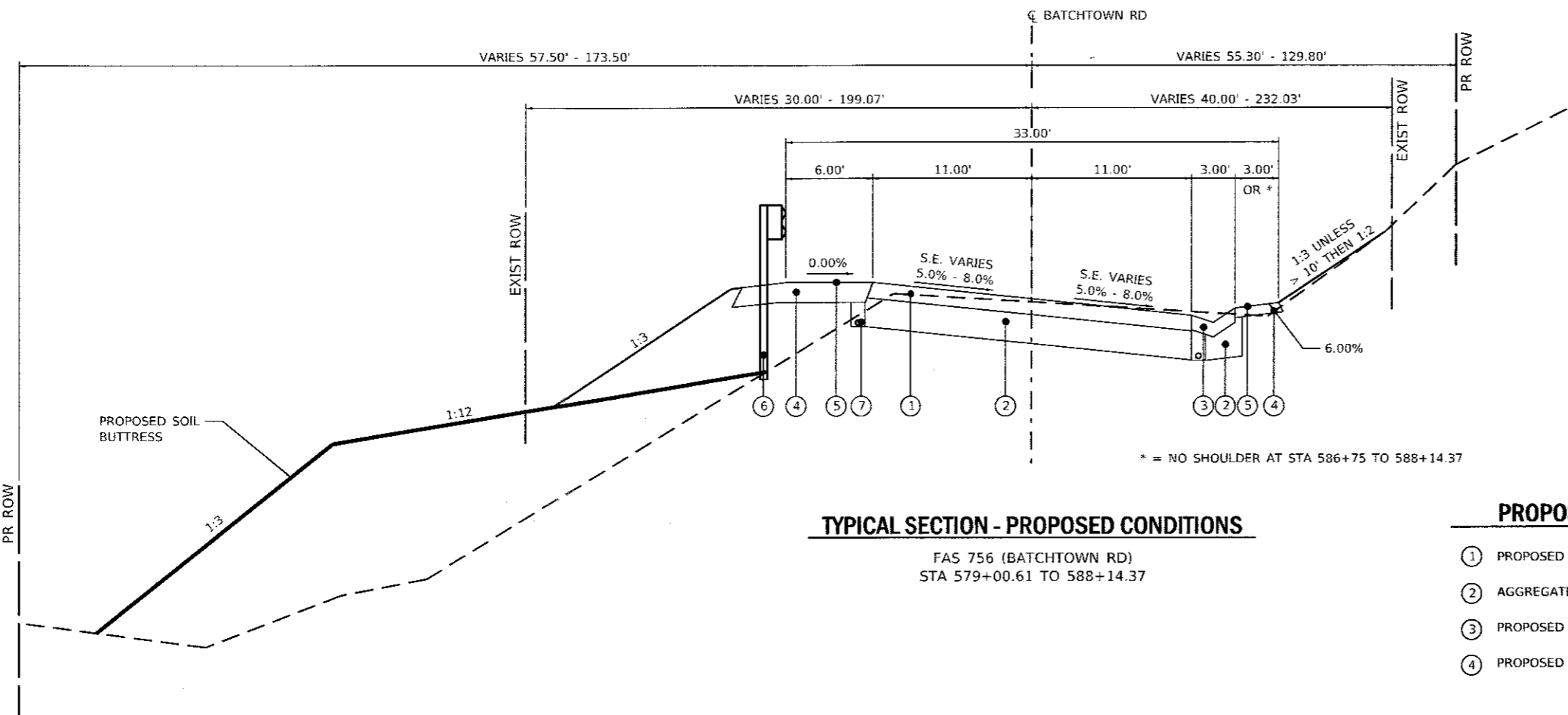
SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO	ITEM	UNIT	TOTAL	ROADWAY	RURAL
60616150	PAVED DITCH, TYPE A-60	FOOT	129	129	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	812.5	812.5	
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	75.0	75.0	
* 63200310	GUARDRAIL REMOVAL	FOOT	1125	1125	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	18	18	
67100100	MOBILIZATION	LSUM	1	1	
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1	1	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1828	1828	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	17	17	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	35	35	
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	75	75	
542D0253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	151	151	
542D5491	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	59	59	



TYPICAL SECTION - EXISTING CONDITIONS

FAS 756 (BATCHTOWN RD)
STA 569+88.37 TO STA 598+79.93

STRUCTURAL PAVEMENT DESIGN INFORMATION	
FAS 756 (BATCHTOWN ROAD)	
STRUCTURAL DESIGN TRAFFIC:	YEAR 2032
PV = 1749	SU = 139 MU = 99
ROAD/STREET CLASSIFICATION:	CLASS III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 100	S = 100 M = 100
TRAFFIC FACTOR:	ACTUAL TF = 0.536 AC TYPE = TYPE 1
	MINIMUM TF = N/A
AC GRADE:	BINDER = PG 64-22 SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:	
SSR = POOR (STA 578+07.27 TO STA 590+37.90)	



TYPICAL SECTION - PROPOSED CONDITIONS

FAS 756 (BATCHTOWN RD)
STA 579+00.61 TO STA 588+14.37

TYPICAL SECTION - PROPOSED CONDITIONS WITH 2' FLAT BOTTOM DITCH

FAS 756 (BATCHTOWN RD)
STA 581+70.00 TO STA 585+25.00

PROPOSED MATERIALS

- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 1/2"
- ② AGGREGATE BASE COURSE, TYPE A 12"
- ③ PROPOSED GUTTER TYPE A
- ④ PROPOSED AGGREGATE SHOULDER, TYPE A 6"
- ⑤ PROPOSED A3 SURFACE TREATMENT
- ⑥ PROPOSED STEEL PLATE BEAM GUARDRAIL
- ⑦ PROPOSED PIPE UNDERDRAIN

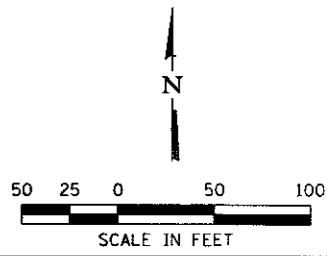
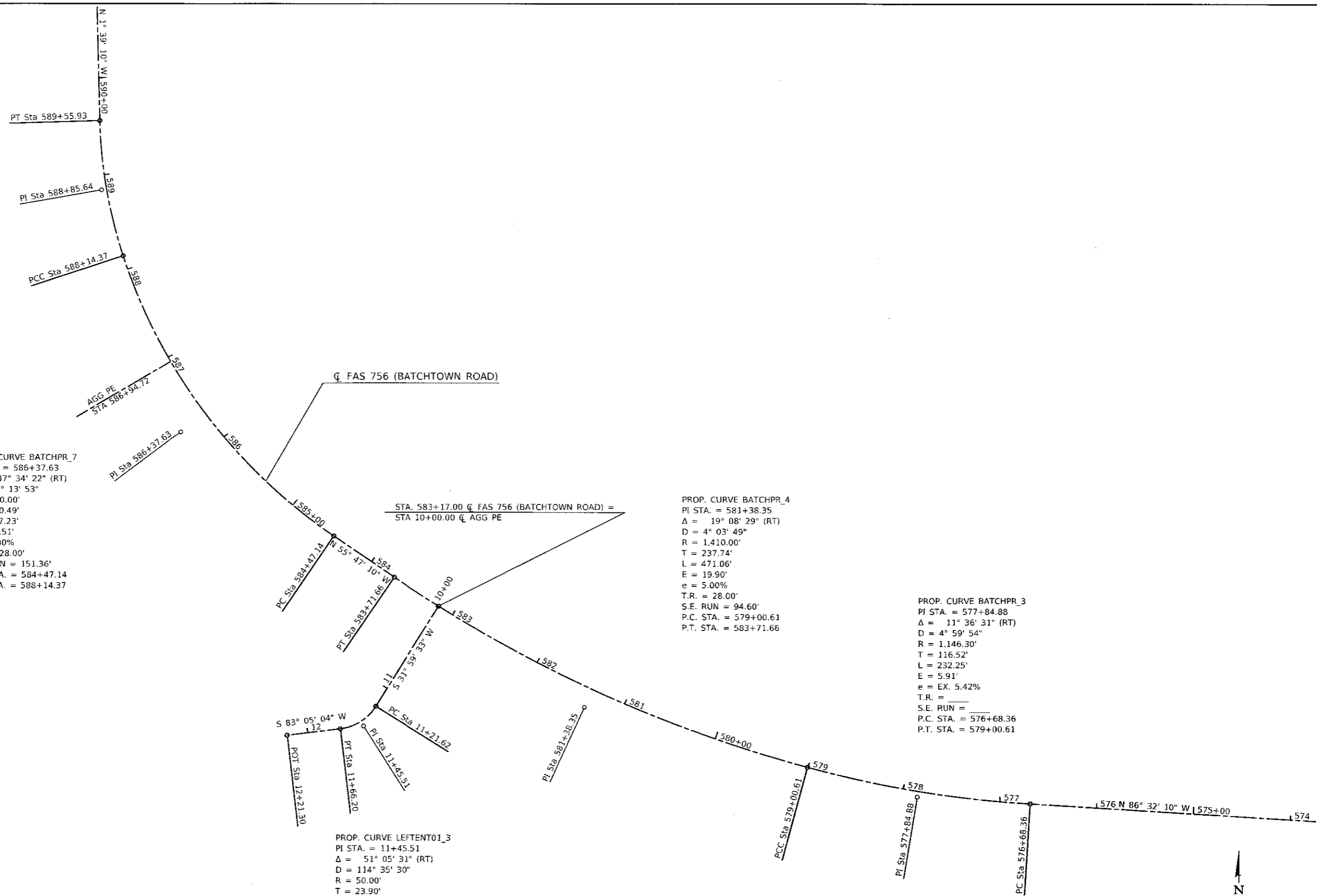
PROP. CURVE BATCHPR_8
 PI STA. = 588+85.64
 $\Delta = 16^\circ 33' 46''$ (RT)
 $D = 11^\circ 42' 00''$
 $R = 489.71'$
 $T = 71.28'$
 $L = 141.56'$
 $E = 5.16'$
 $e = EX 7.48\%$
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 588+14.37
 P.T. STA. = 589+55.93

PROP. CURVE BATCHPR_7
 PI STA. = 586+37.63
 $\Delta = 37^\circ 34' 22''$ (RT)
 $D = 10^\circ 13' 53''$
 $R = 560.00'$
 $T = 190.49'$
 $L = 367.23'$
 $E = 31.51'$
 $e = 8.00\%$
 T.R. = 28.00'
 S.E. RUN = 151.36'
 P.C. STA. = 584+47.14
 P.T. STA. = 588+14.37

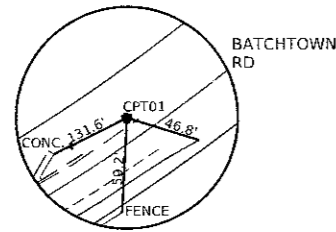
PROP. CURVE BATCHPR_4
 PI STA. = 581+38.35
 $\Delta = 19^\circ 08' 29''$ (RT)
 $D = 4^\circ 03' 49''$
 $R = 1,410.00'$
 $T = 237.74'$
 $L = 471.06'$
 $E = 19.90'$
 $e = 5.00\%$
 T.R. = 28.00'
 S.E. RUN = 94.60'
 P.C. STA. = 579+00.61
 P.T. STA. = 583+71.66

PROP. CURVE BATCHPR_3
 PI STA. = 577+84.88
 $\Delta = 11^\circ 36' 31''$ (RT)
 $D = 4^\circ 59' 54''$
 $R = 1,146.30'$
 $T = 116.52'$
 $L = 232.25'$
 $E = 5.91'$
 $e = EX 5.42\%$
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 576+68.36
 P.T. STA. = 579+00.61

PROP. CURVE LEFTENT01_3
 PI STA. = 11+45.51
 $\Delta = 51^\circ 05' 31''$ (RT)
 $D = 114^\circ 35' 30''$
 $R = 50.00'$
 $T = 23.90'$
 $L = 44.59'$
 $E = 5.42'$
 $e = NC$
 P.C. STA. = 11+21.62
 P.T. STA. = 11+66.20

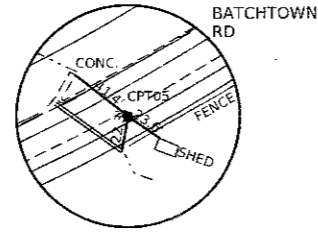


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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.										
PLOT DATE = 9/29/2017	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										
Default													



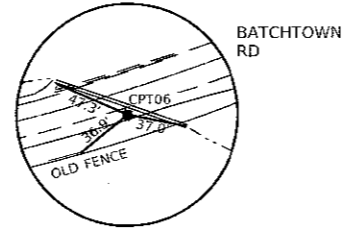
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 ELAVATION=532.92



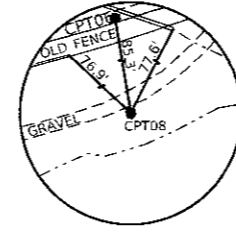
CONTROL POINT #05

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 ELAVATION=540.95



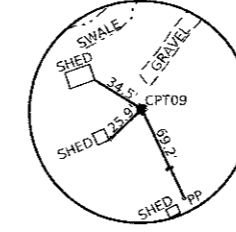
CONTROL POINT #06

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 ELAVATION=556.94



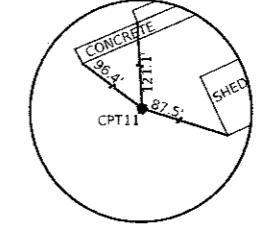
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 EASTING=2165534.32
 ELAVATION=539.28



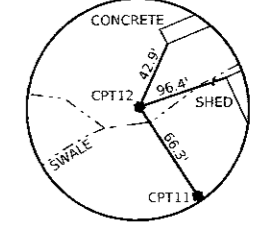
CONTROL POINT #09

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 ELAVATION=547.69



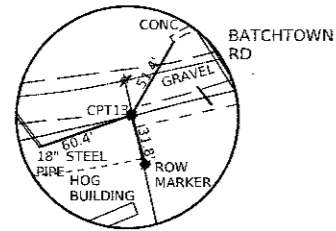
CONTROL POINT #11

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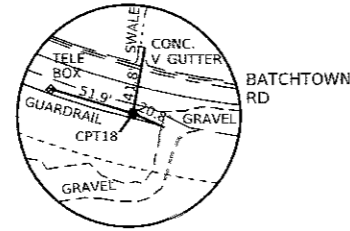
CONTROL POINT #12

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 EASTING=2165118.15
 ELAVATION=551.39



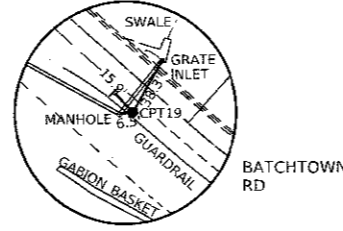
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 ELAVATION=574.77



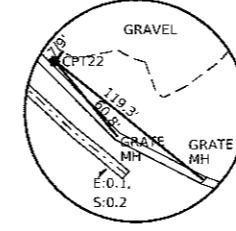
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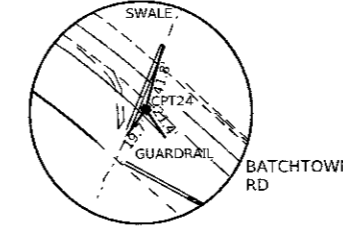
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 ELAVATION=614.76



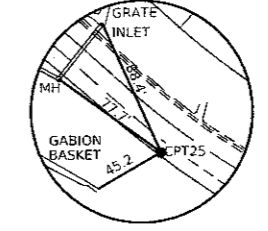
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 ELAVATION=579.87



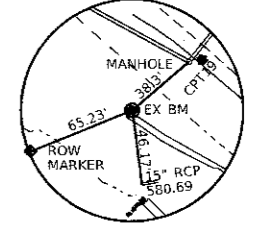
CONTROL POINT #24

IRON PIN W/ CAP
 NORTHING=862394.87
 EASTING=2165107.12
 ELAVATION=622.95



CONTROL POINT #25

IRON PIN W/ CAP
 NORTHING=862200.32
 EASTING=2165111.33
 ELAVATION=609.37



EXISTING BENCHMARK

IRON PIN IN CONC
 NORTHING=862283.46
 EASTING=2165054.53
 STA 589+93.33 (RECORD)
 70.50 LT (RECORD)
 STA 589+93.05 (MEASURED)
 70.46 LT (MEASURED)
 ELEVATION=600.82 (MEASURED)

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USER NAME = PWICSS	DESIGNED - JONATHAN N. BAILEY	REVISED -
	DRAWN - JONATHAN N. BAILEY	REVISED -
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PLOT DATE = 9/29/2017	DATE -	REVISED -

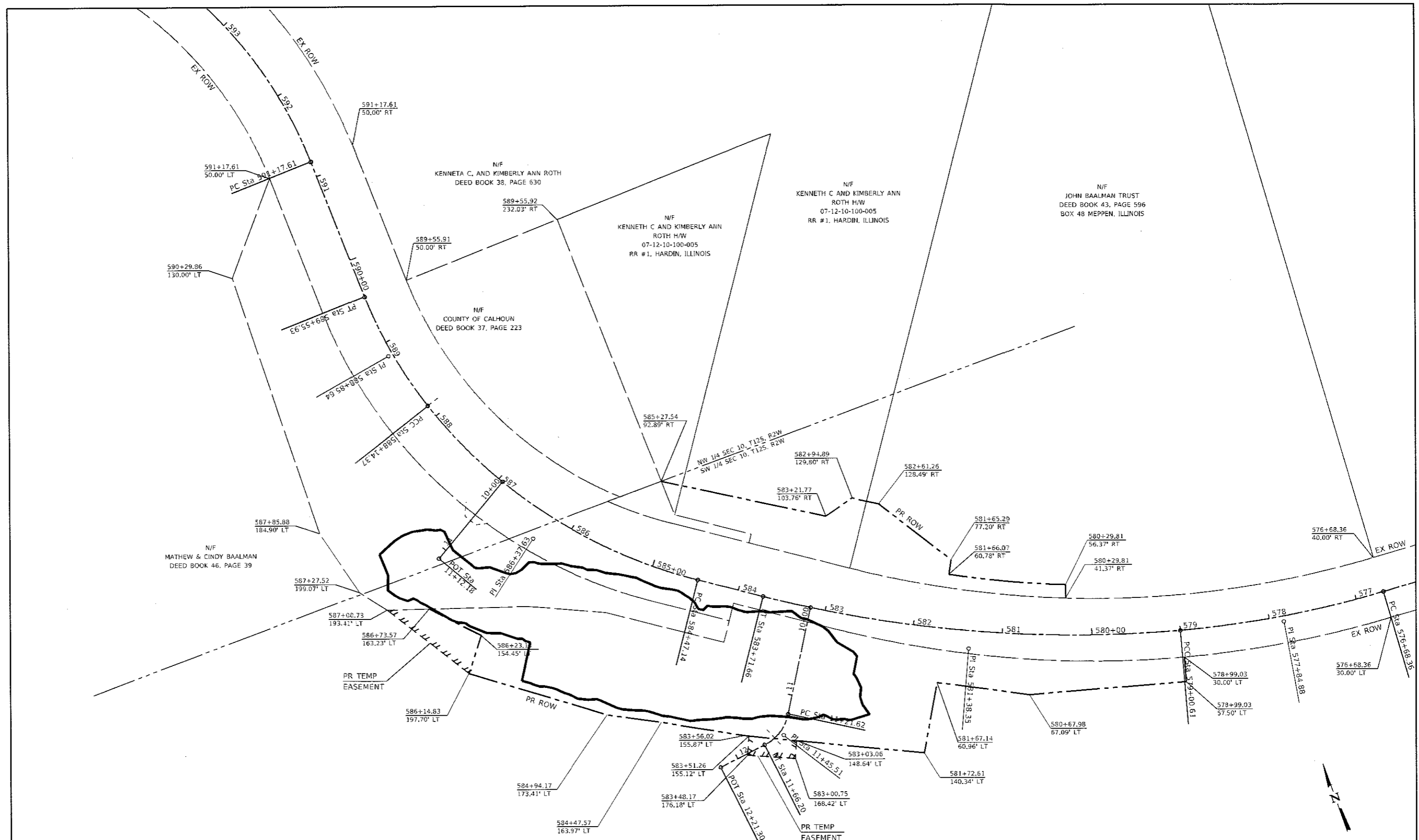


Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 REFERENCE TIES SHEET

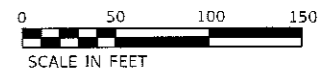
SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F A S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	9
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	



EXISTING RIGHT OF WAY IS DRAWN FROM PARTIAL PLATS AND DRAWINGS PROVIDED BY CALHOUN COUNTY HIGHWAY DEPARTMENT. NO TITLE COMMITMENT INFORMATION WAS PROVIDED AT THIS TIME.

COORDINATES AND BEARINGS SHOWN HERE ON ARE ILLINOIS STATE PLANE WEST, NAVD '88 DATUM.



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USER NAME *	PWKCS
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DRAWN -	JONATHAN N. BAILEY
CHECKED -	BRAD E. RIECHMANN
DATE -	

DESIGNED -	JORDAN E. PETTIBONE	REVISED -	
DRAWN -	JONATHAN N. BAILEY	REVISED -	
CHECKED -	BRAD E. RIECHMANN	REVISED -	
DATE -		REVISED -	

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PLLOT DATE	= 10/3/2017

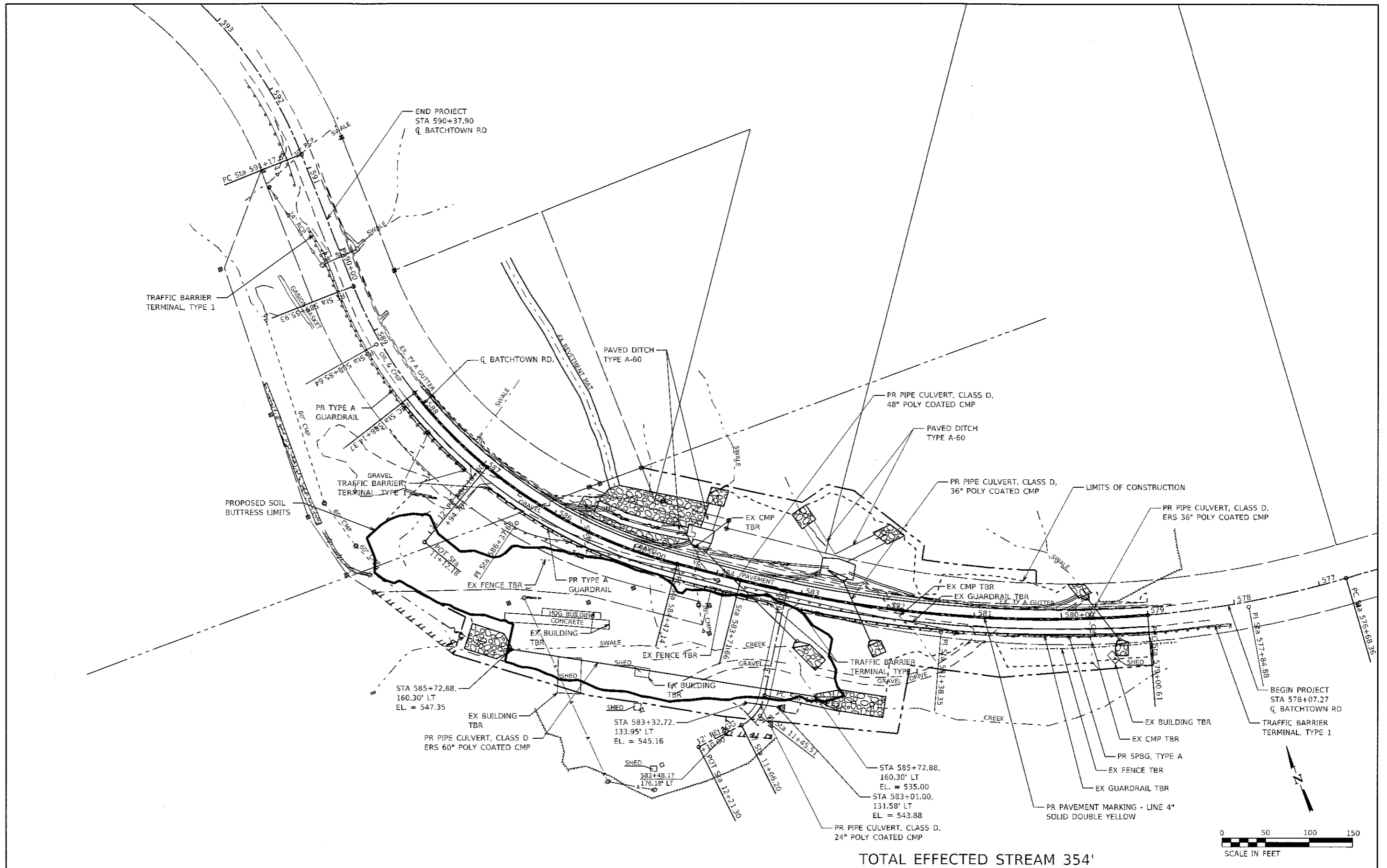
HORNER SHIFRIN
WWW.HORNERSHIFRIN.COM

Calhoun County Highway Department

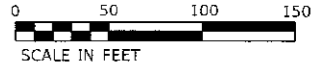
**FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
RIGHT-OF-WAY SHEET**

F.A.S. RTE.	756	SECTION	15-00052-05-PV	COUNTY	CALHOUN	TOTAL SHEETS	46	SHEET NO.	10
						CONTRACT NO.			
						ILLINOIS		FED. AID PROJECT	

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 578+07.27 TO STA. 590+37.80



TOTAL EFFECTED STREAM 354'



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DRAWN -	JONATHAN N. BAILEY	REVISED -	
CHECKED -	BRAD E. RIECHMANN	REVISED -	
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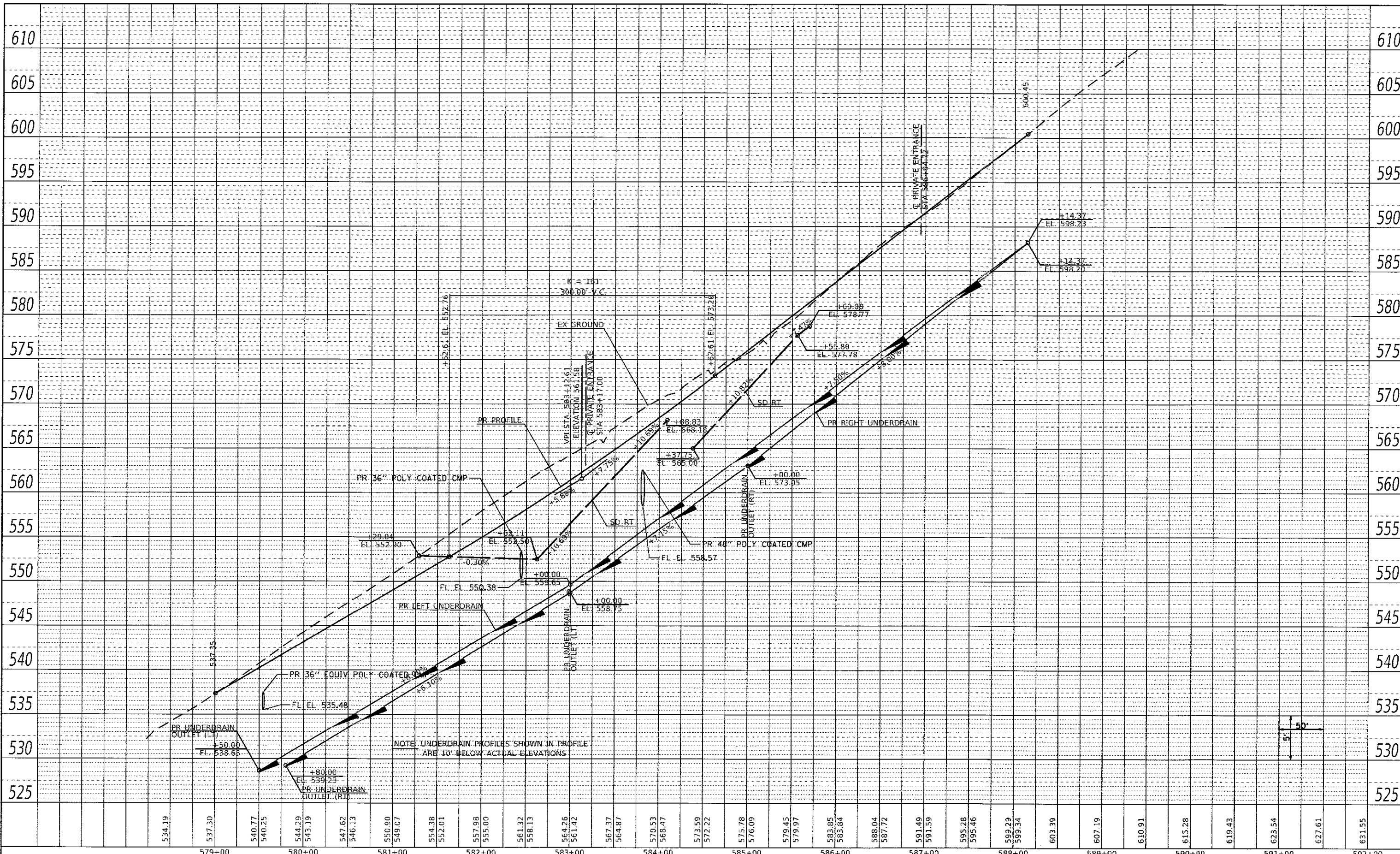
Calhoun County
Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
PLAN SHEET
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 578+07.27 TO STA. 590+37.90

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	11
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

REVISIONS	BY	DATE

REVISIONS	BY	DATE



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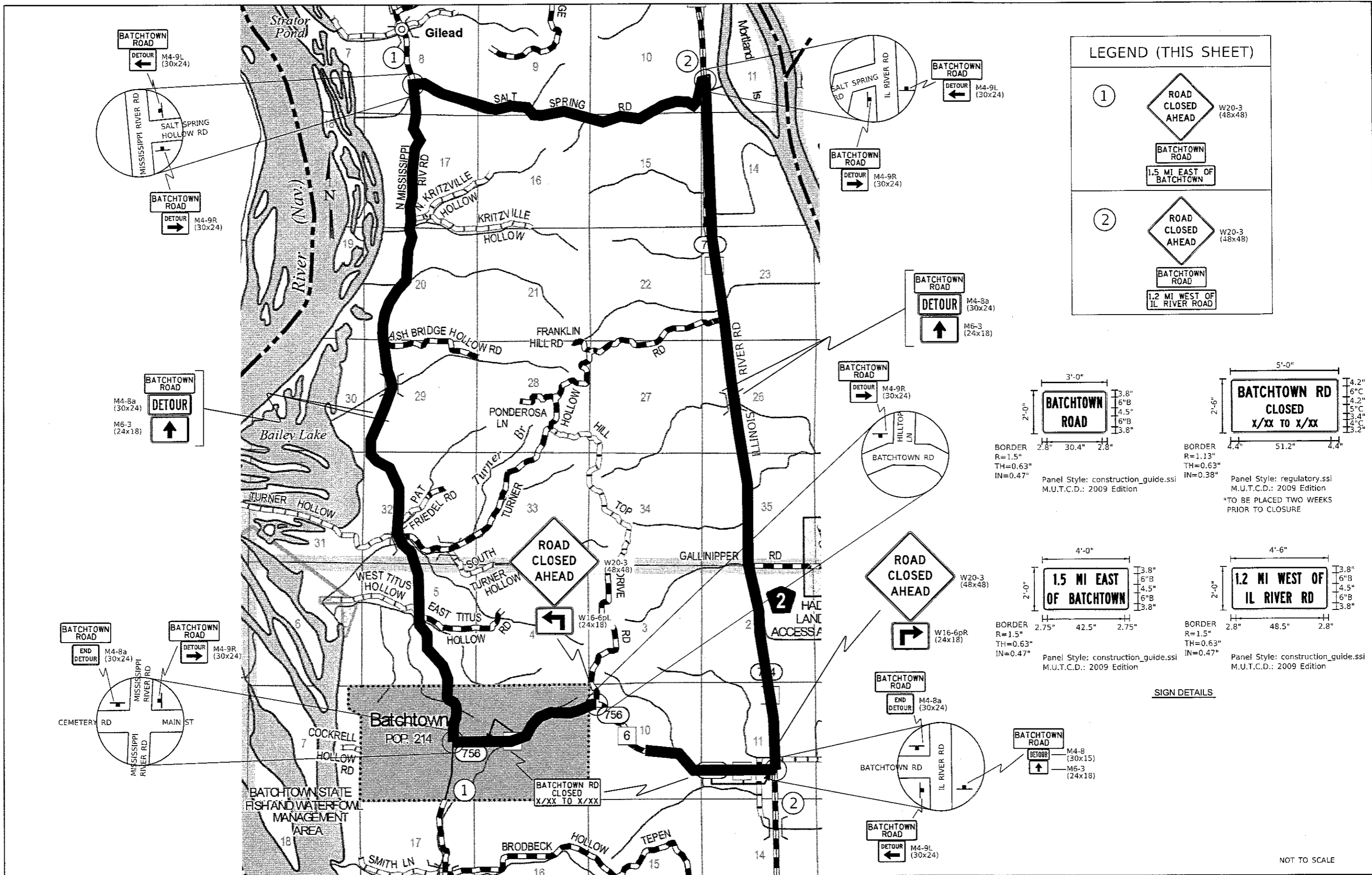
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 REVISED -
 REVISED -
 REVISED -



Calhoun County Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION PROFILE SHEET
 SCALE: 5V:50H SHEET 1 OF 1 SHEETS STA. 578+07.27 TO STA. 590+37.90

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 12
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	



LEGEND (THIS SHEET)

① **ROAD CLOSED AHEAD** W20-3 (48x48)
BATCHTOWN ROAD
 1.5 MI EAST OF BATCHTOWN

② **ROAD CLOSED AHEAD** W20-3 (48x48)
BATCHTOWN ROAD
 1.2 MI WEST OF IL RIVER ROAD

SIGN DETAILS

1.5 MI EAST OF BATCHTOWN
 Panel Style: construction_guide.ssi
 M.U.T.C.D.: 2009 Edition

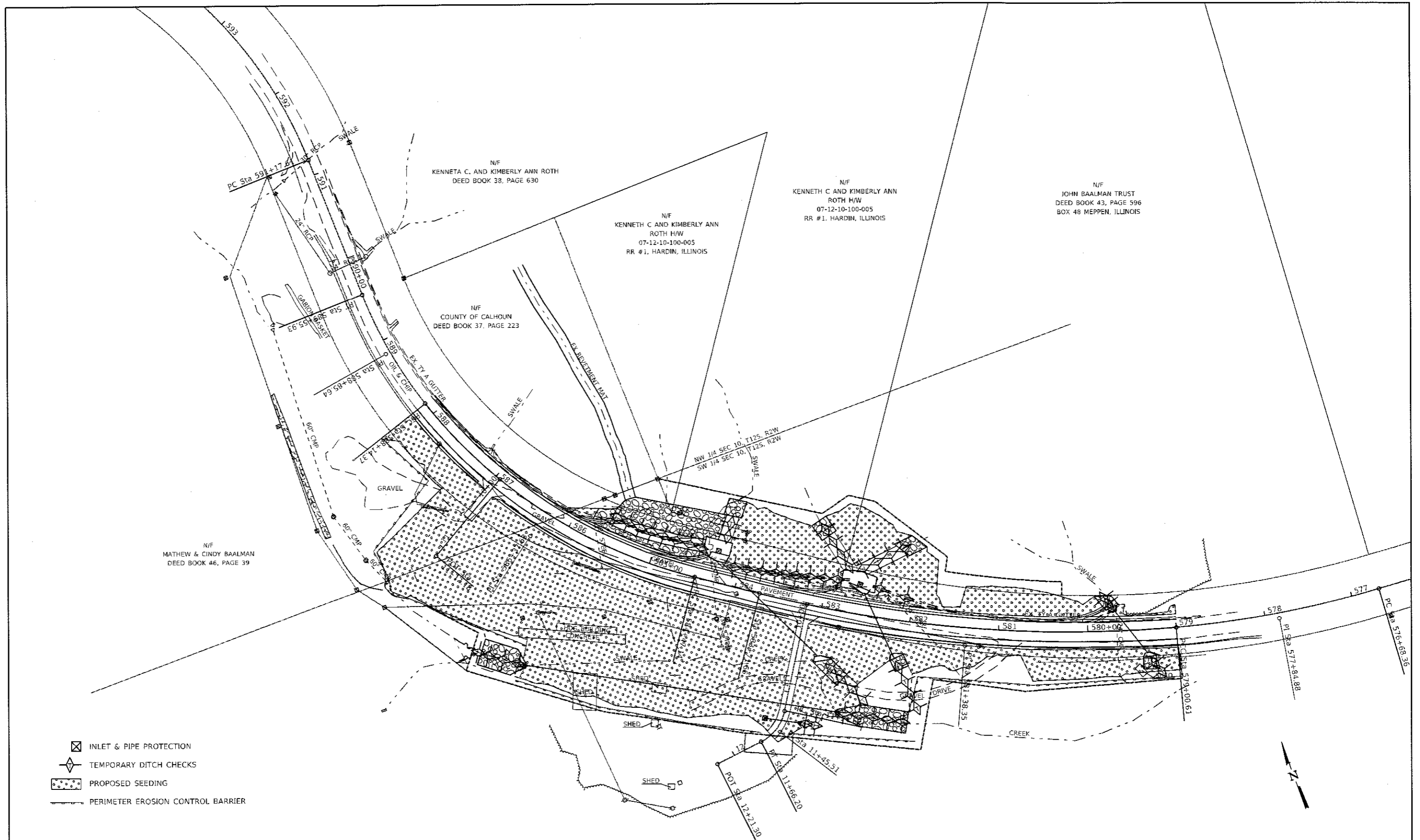
1.2 MI WEST OF IL RIVER RD
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 M.U.T.C.D.: 2009 Edition
 *TO BE PLACED TWO WEEKS PRIOR TO CLOSURE

ROAD CLOSED AHEAD
 Panel Style: construction_guide.ssi
 M.U.T.C.D.: 2009 Edition

ROAD CLOSED AHEAD
 Panel Style: construction_guide.ssi
 M.U.T.C.D.: 2009 Edition

NOT TO SCALE

FILE NAME =	USER NAME = jepetibone	DESIGNED -	REVISED -	 Calhoun County Highway Department WWW.HORNERSHIFRIN.COM	DETOUR ROUTE PLAN		F.A.S. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
Plot Scale = 4000.0000 / in.	CHECKED -	REVISED -	756				15-00052-05-PV	CALHOUN	46	13	
Plot Date = 10/22/17	DATE -	REVISED -	CONTRACT NO. = 97660								
			ILLINOIS FED. AID PROJECT								
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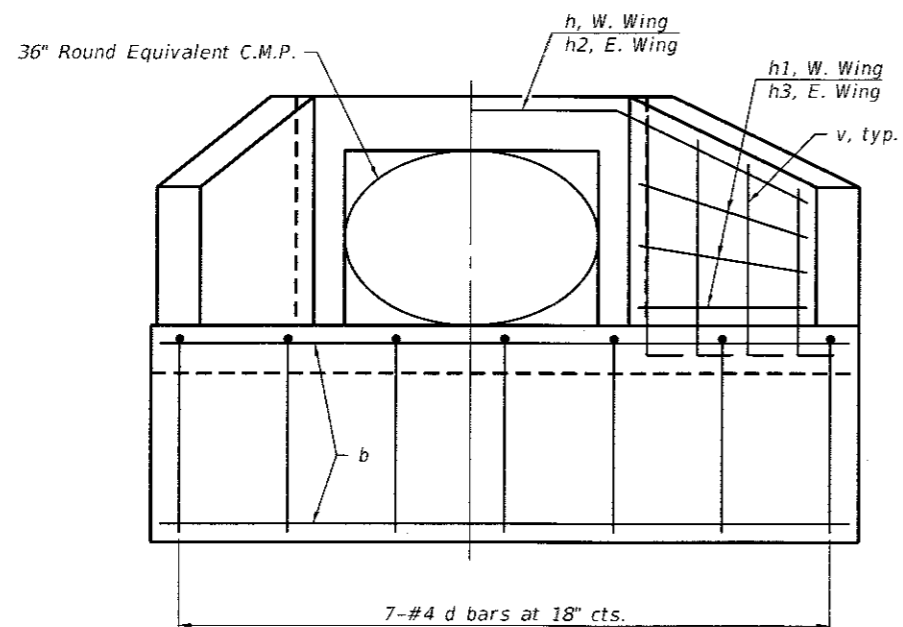


- INLET & PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PROPOSED SEEDING
- PERIMETER EROSION CONTROL BARRIER

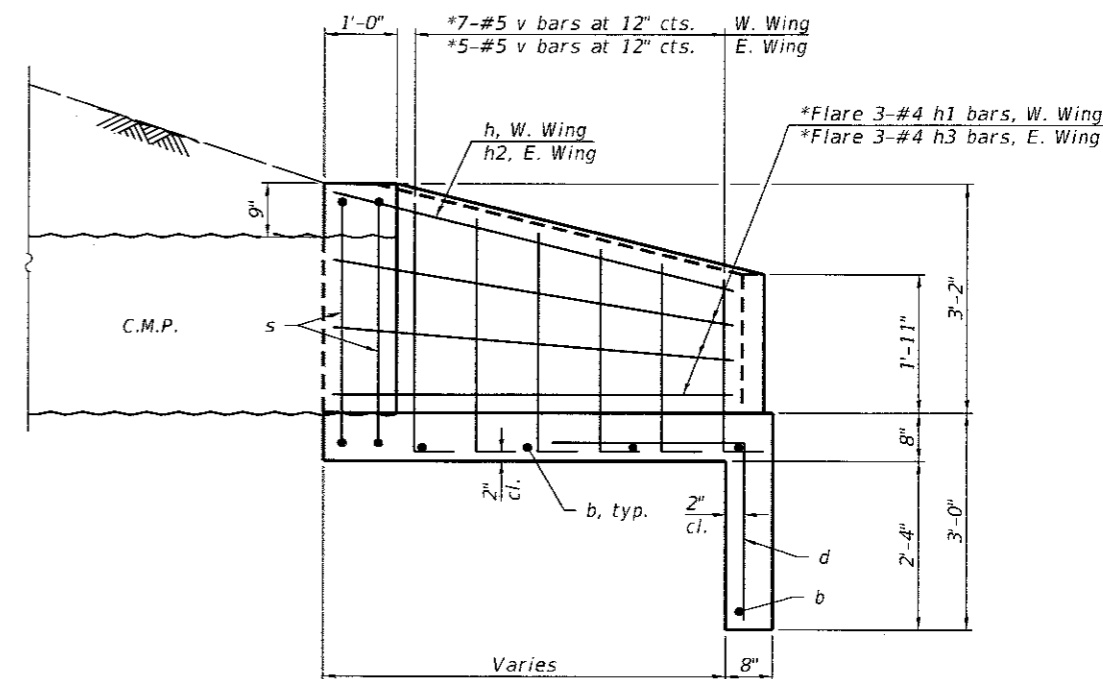
EXISTING RIGHT OF WAY IS DRAWN FROM PARTIAL PLATS AND DRAWINGS PROVIDED BY CALHOUN COUNTY HIGHWAY DEPARTMENT. NO TITLE COMMITMENT INFORMATION WAS PROVIDED AT THIS TIME.

COORDINATES AND BEARINGS SHOWN HERE ON ARE ILLINOIS STATE PLANE WEST, NAVD '88 DATUM.

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	PLOT SCALE = 1/8" = 100.0000' / 1"	CHECKED - BRAD E. RIECHMANN	REVISED -		SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 578+07.27 TO STA. 590+37.90	CONTRACT NO. 97660			
Default	PLOT DATE = 10/3/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



END ELEVATION

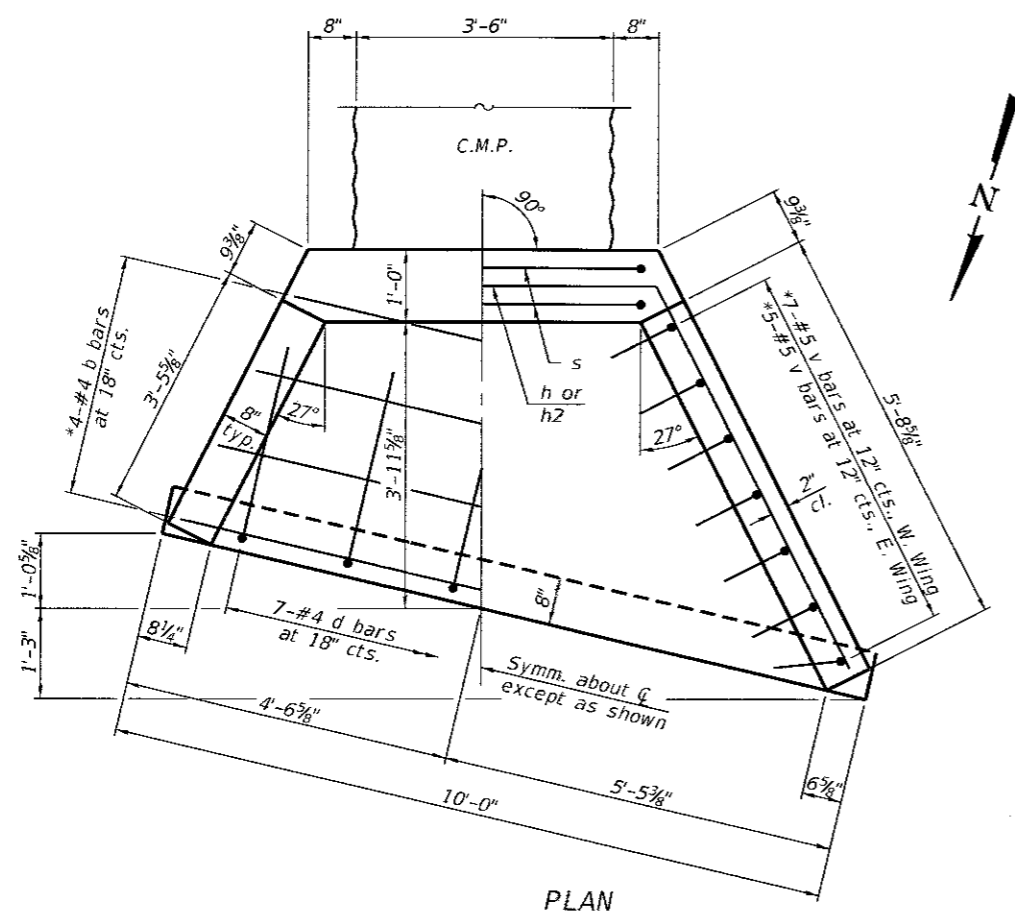


HALF SIDE ELEVATION

*Cut or bend to fit

MINIMUM BAR LAP

#4 bar = 1'-4"



PLAN

Note:
For bar bending diagrams and bill
of materials, see sheet 2 of 2.

D:\p\081\hornew\hr\p\inc\p\Transportation\eng\documents\15107708-Beschtoeh\115\lope\stabilization\01_Cadd\Bridges\Struct\Culvert_Bsp_579+52.82_L15.dgn

USER NAME =	DESIGNED -	TIM FRIEDERICH	REVISED -	
	CHECKED -	ERIC M. LAGEMANN	REVISED -	
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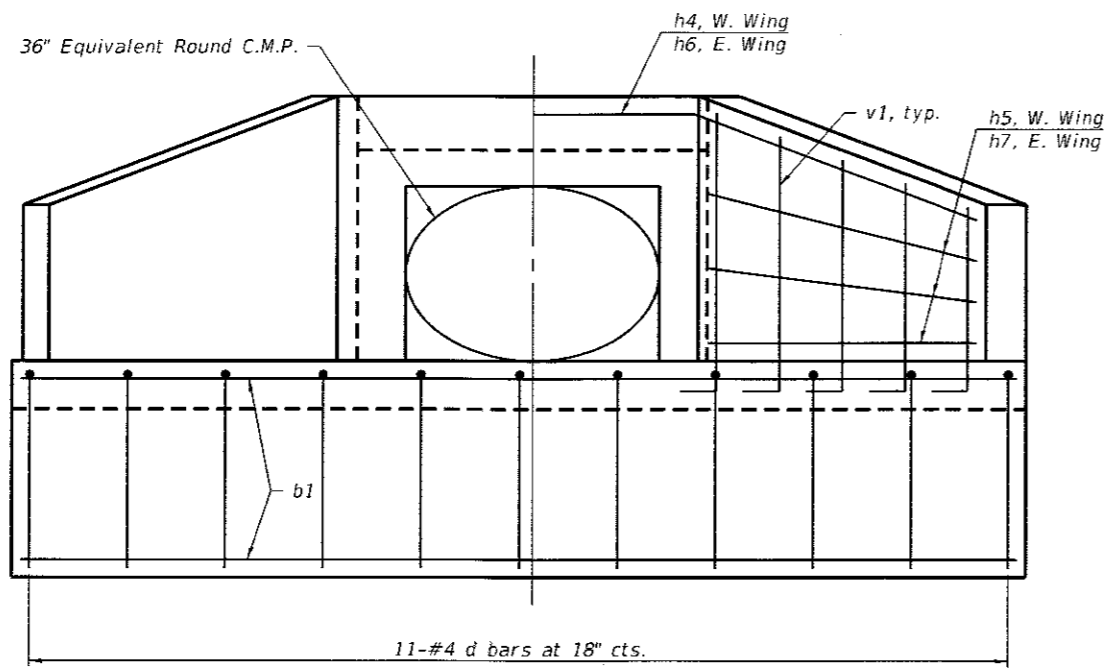


Calhoun County
Highway Department

UPSTREAM APRON DETAILS
CULVERT AT STA. 579 + 52.82

SHEET NO. 1 of 2 SHEETS

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 15
CONTRACT NO. 97660				
ILLINOIS FED. AID PROJECT				

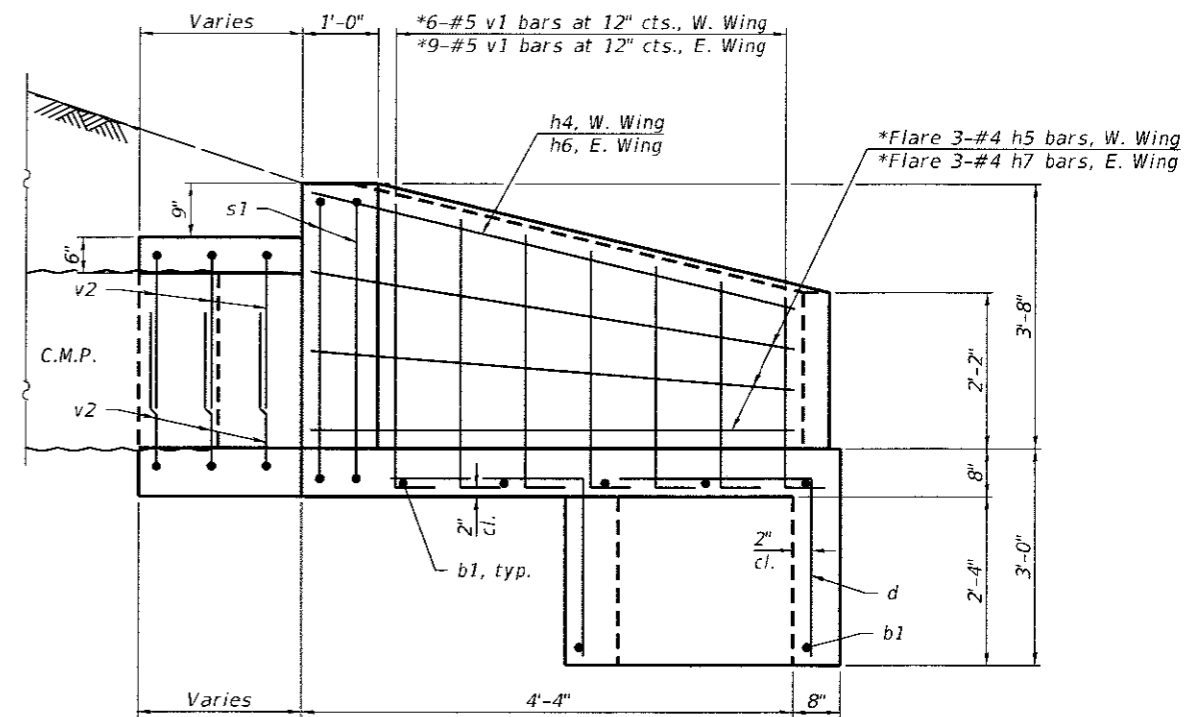


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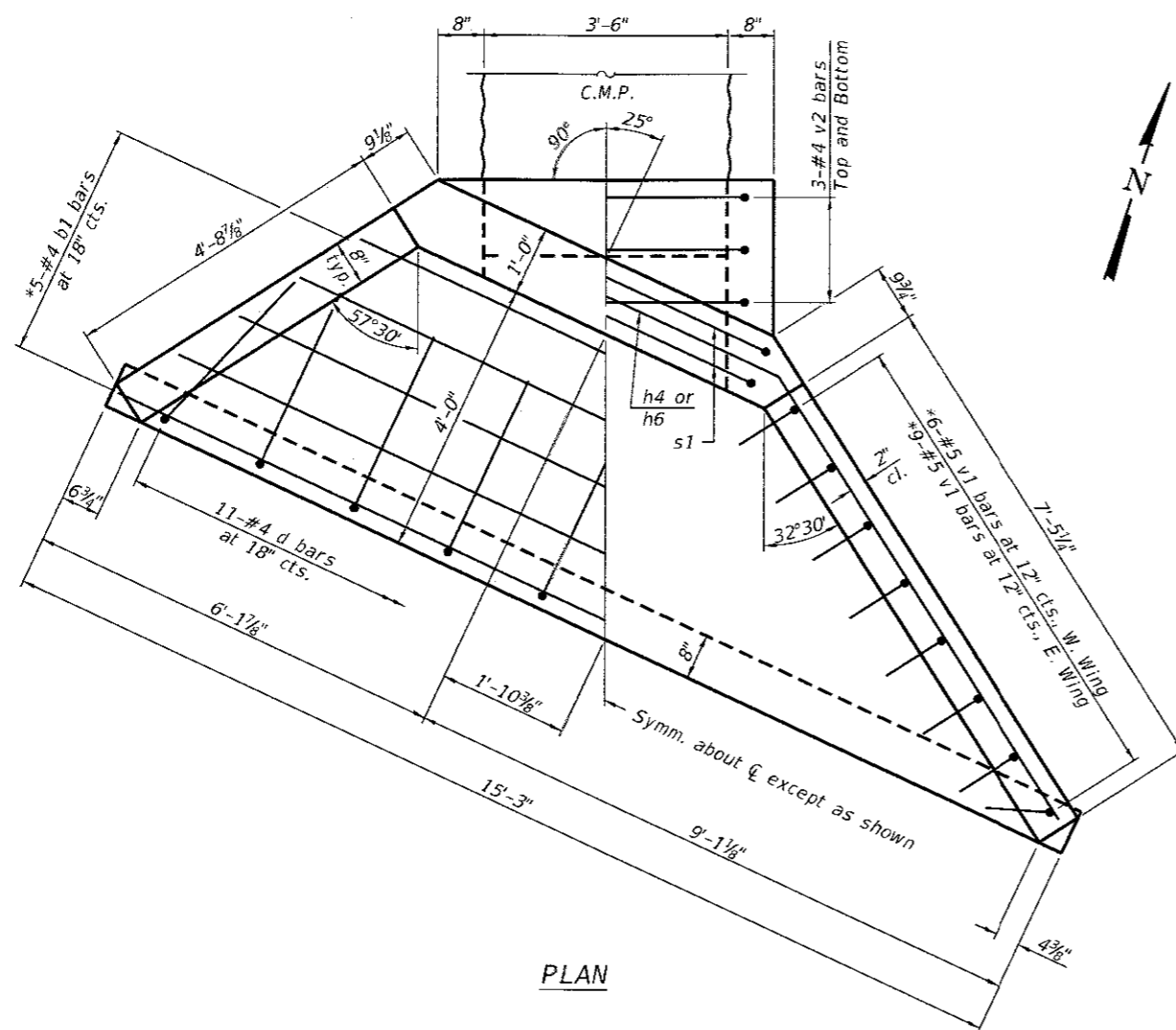
MINIMUM BAR LAP

#4 bar = 1'-4"

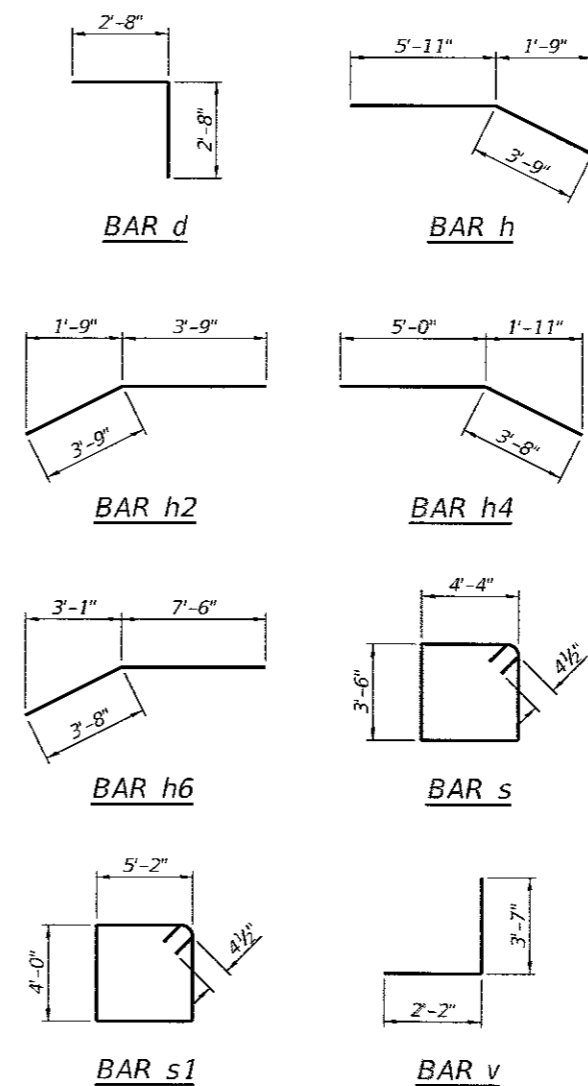
*Cut or bend to fit



HALF SIDE ELEVATION



PLAN



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
b	5	#4	9'-9"	—	
b1	6	#4	15'-0"	—	
d	18	#4	5'-4"	J	
h	1	#4	9'-8"	—	
h1	3	#4	5'-11"	—	
h2	1	#4	7'-6"	—	
h3	3	#4	3'-9"	—	
h4	1	#4	8'-8"	—	
h5	3	#4	5'-0"	—	
h6	1	#4	11'-2"	—	
h7	3	#4	7'-6"	—	
s	2	#4	16'-5"	□	
s1	2	#4	19'-1"	□	
v	12	#5	5'-9"	J	
v1	15	#5	6'-3"	J	
v2	6	#4	6'-10"	J	
Cast-In-Place Reinforced Concrete End Section, 36" (Special)				Each	2

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USER NAME =	DESIGNED - TIM FRIEDERICH	REVISED -
PLOT SCALE =	CHECKED - ERIC M. LAGEMANN	REVISED -
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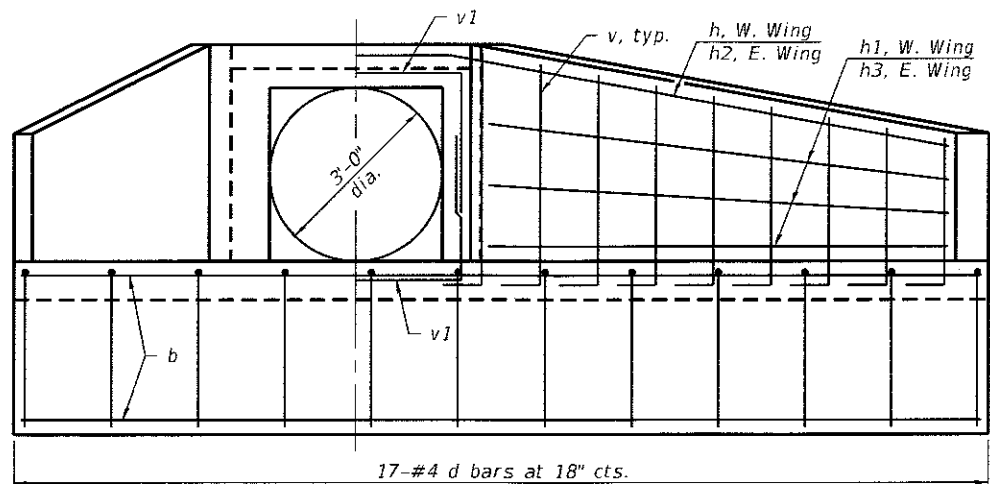


Calhoun County Highway Department

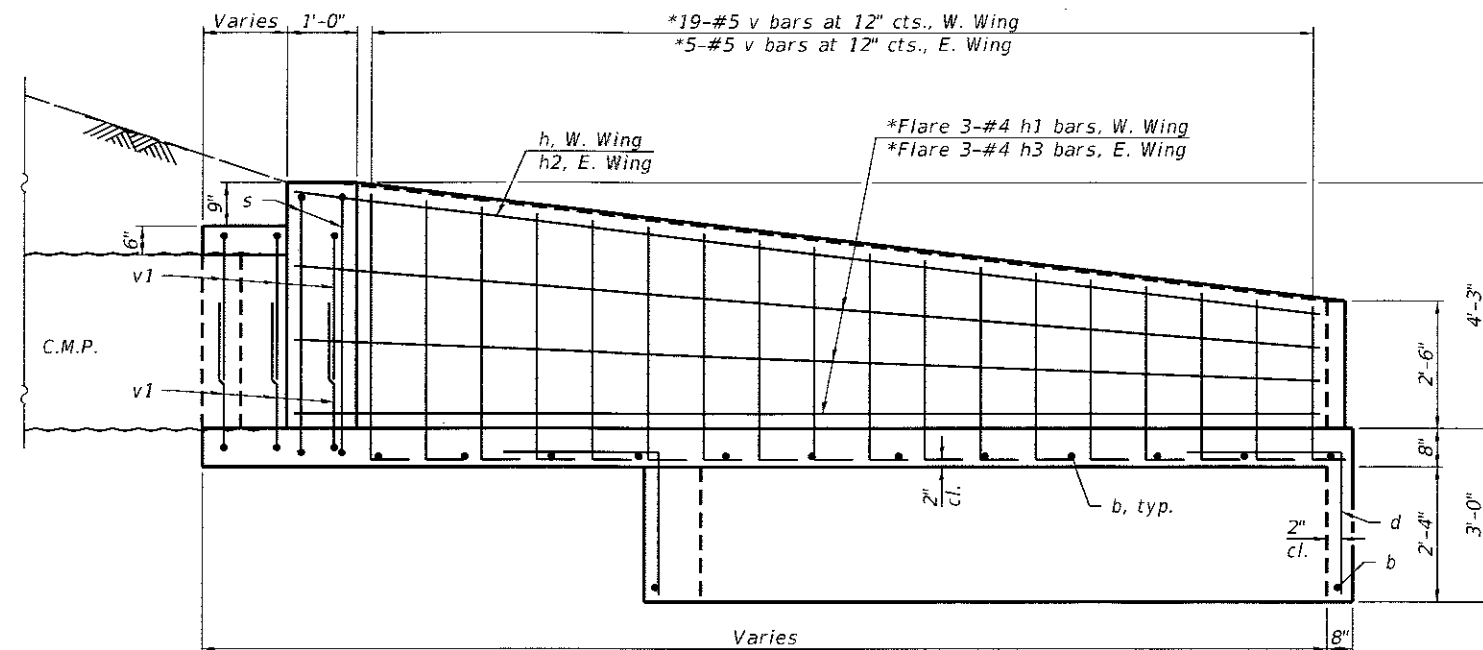
DOWNSTREAM APRON DETAILS
CULVERT AT STA. 579 + 52.82

SHEET NO. 2 of 2 SHEETS

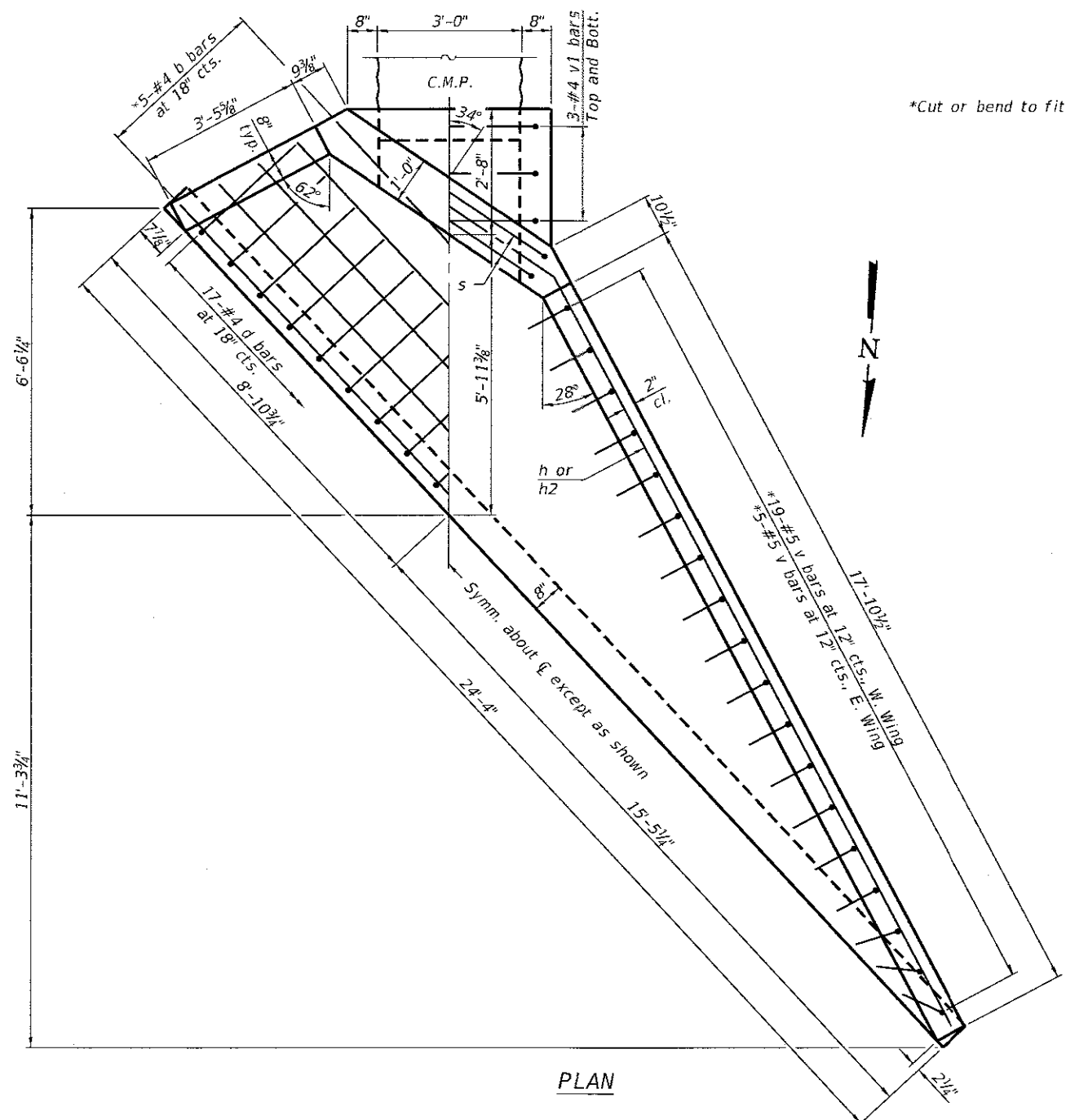
F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 16
				CONTRACT NO. 97660
ILLINOIS FED. AID PROJECT				



END ELEVATION



HALF SIDE ELEVATION



PLAN

*Cut or bend to fit

MINIMUM BAR LAP

#4 bar = 1'-4"

Note:
For bar bending diagrams and bill of materials, see sheet 2 of 2.

D:\p1\081\home\shifrin\com\Transportation\Engineering\Documents\1618728-Batchtown\UIS\Stops\Stabilization\81.Cadd\Bridges\Struct\Culvert.Sta.582+39.07.LIS.dgn

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	CHECKED - ERIC M. LAGEMANN	REVISED -
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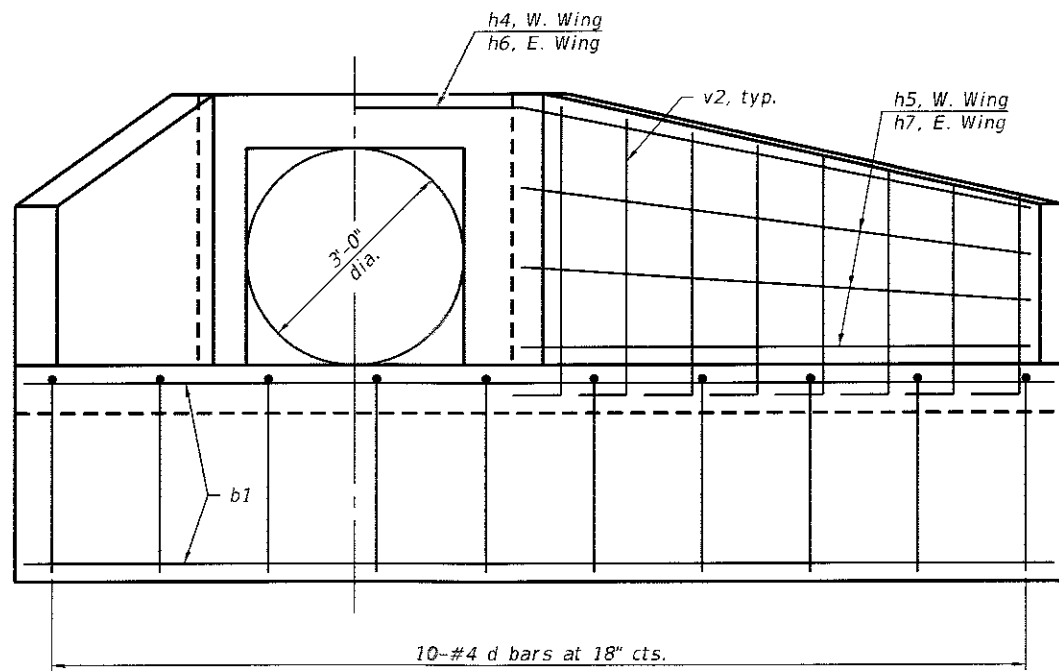


Calhoun County
Highway Department

UPSTREAM APRON DETAILS
CULVERT AT STA. 582 + 39.07

SHEET NO. 1 of 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	17
			CONTRACT NO. 97660	
ILLINOIS FED. AID PROJECT				

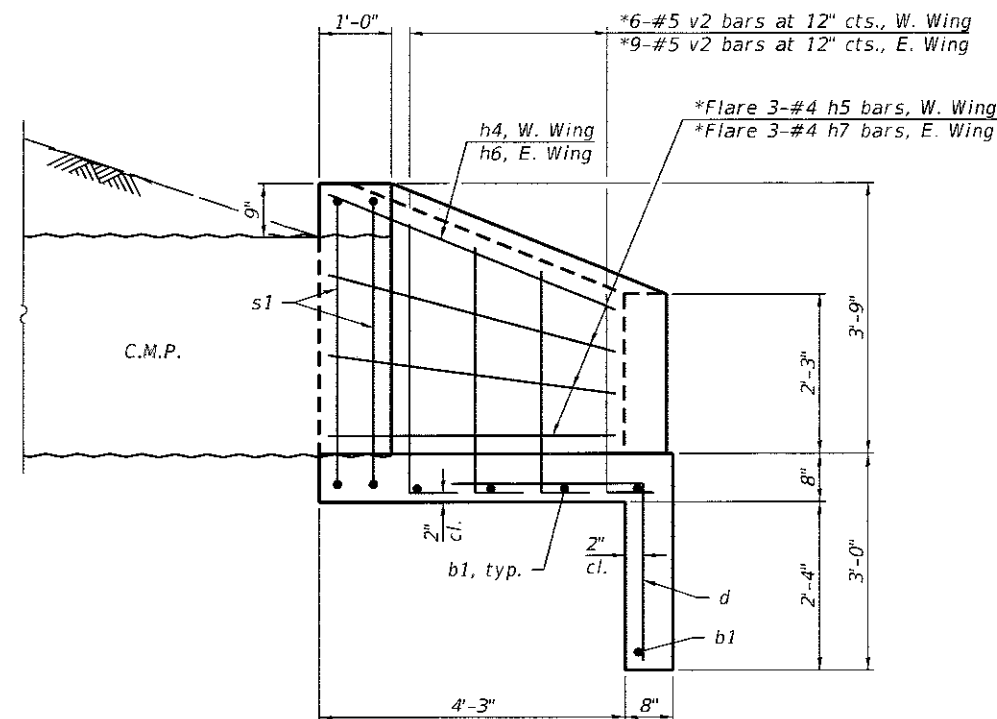


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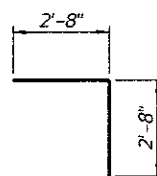
MINIMUM BAR LAP

#4 bar = 1'-4"

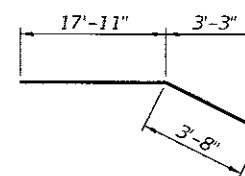
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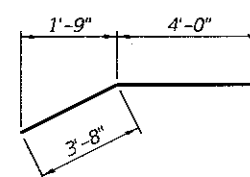
HALF SIDE ELEVATION



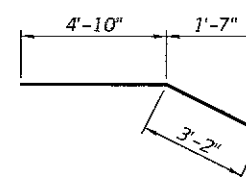
BAR d



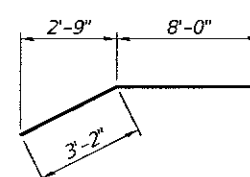
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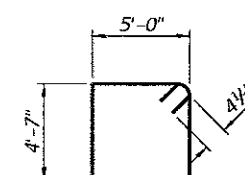
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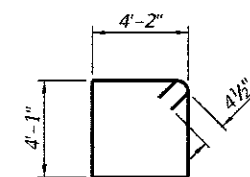
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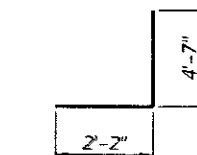
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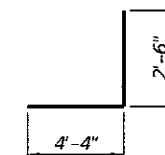
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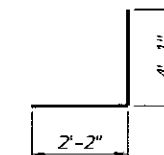
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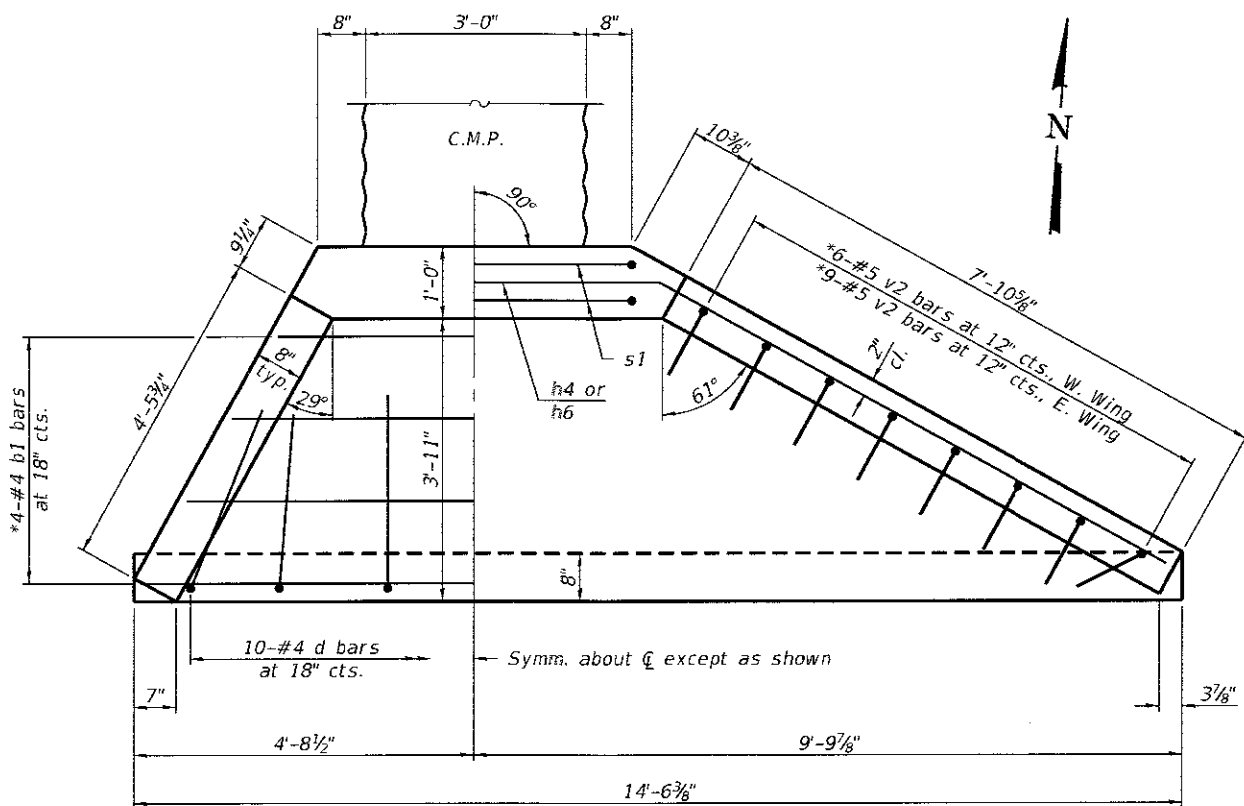
BAR v



BAR v1



BAR v2



PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
b	6	#4	24'-1"	┌───┐	
b1	5	#4	14'-2"	└───┘	
d	27	#4	5'-4"	└┬┘	
h	1	#4	21'-7"	┌───┐	
h1	3	#4	17'-11"	┌───┐	
h2	1	#4	7'-8"	┌───┐	
h3	3	#4	4'-0"	┌───┐	
h4	1	#4	8'-0"	┌───┐	
h5	3	#4	5'-0"	┌───┐	
h6	1	#4	11'-2"	┌───┐	
h7	3	#4	8'-0"	┌───┐	
s	2	#4	19'-11"	□	
s1	2	#4	17'-3"	□	
v	24	#5	6'-9"	└┬┘	
v1	6	#4	6'-10"	└┬┘	
v2	15	#5	6'-3"	└┬┘	
Cast-In-Place Reinforced Concrete End Section, 36"				Each	2

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USER NAME :	DESIGNED - TIM FRIEDERICH	REVISED -
PLLOT SCALE :	CHECKED - ERIC M. LAGEMANN	REVISED -
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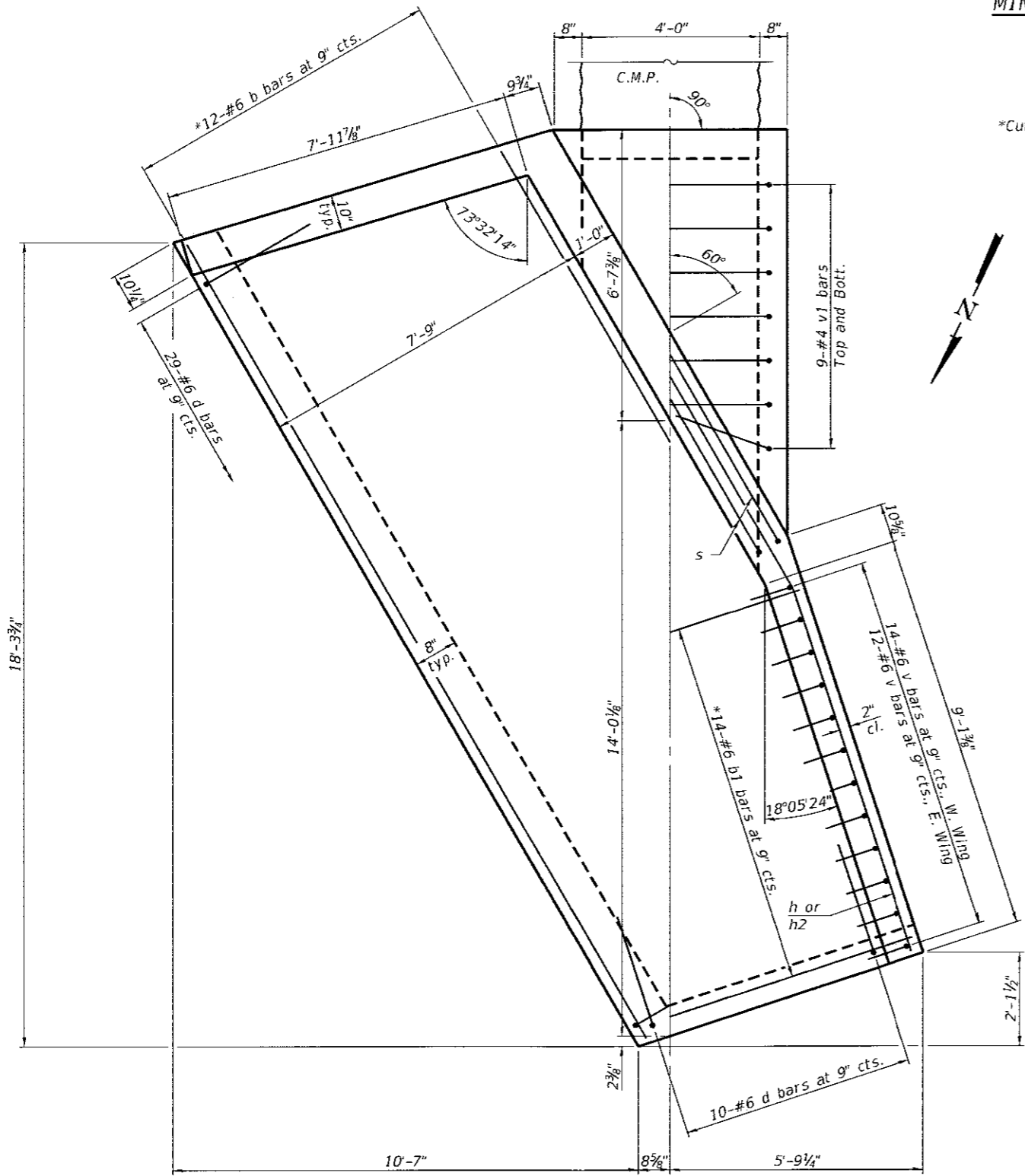
Calhoun County Highway Department

DOWNSTREAM APRON DETAILS
CULVERT AT STA. 582 + 39.07

SHEET NO. 2 of 2 SHEETS

F.A.S. RTE 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 18
				CONTRACT NO. 97660
ILLINOIS FED. AID PROJECT				

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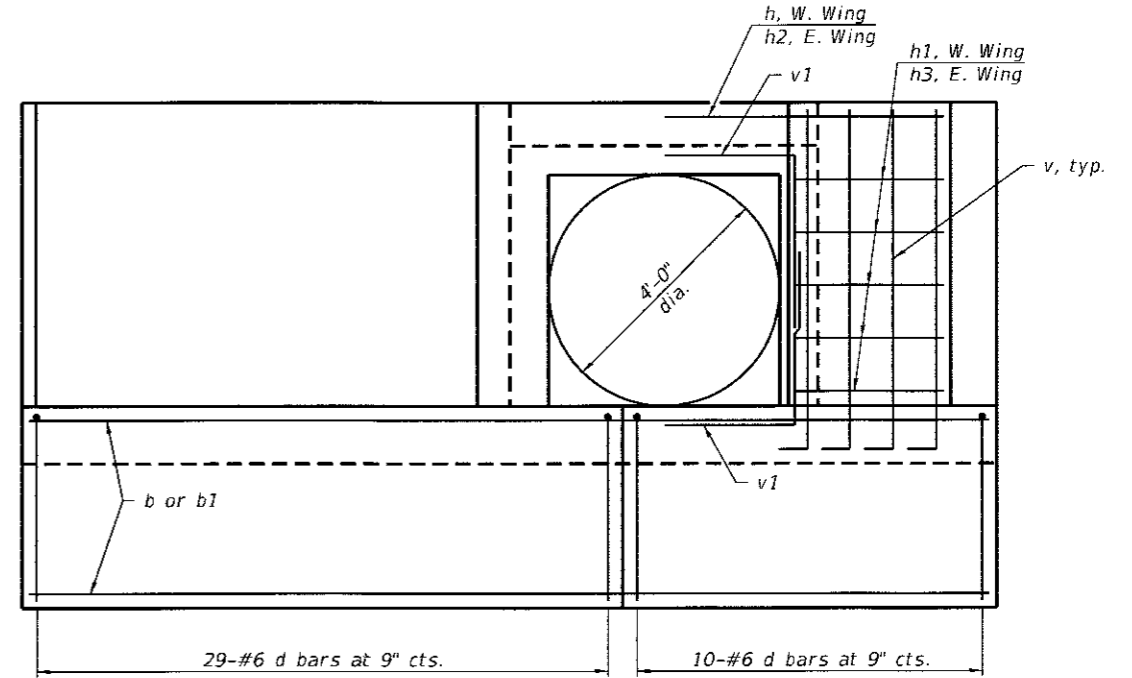
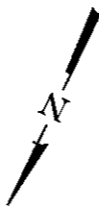


PLAN

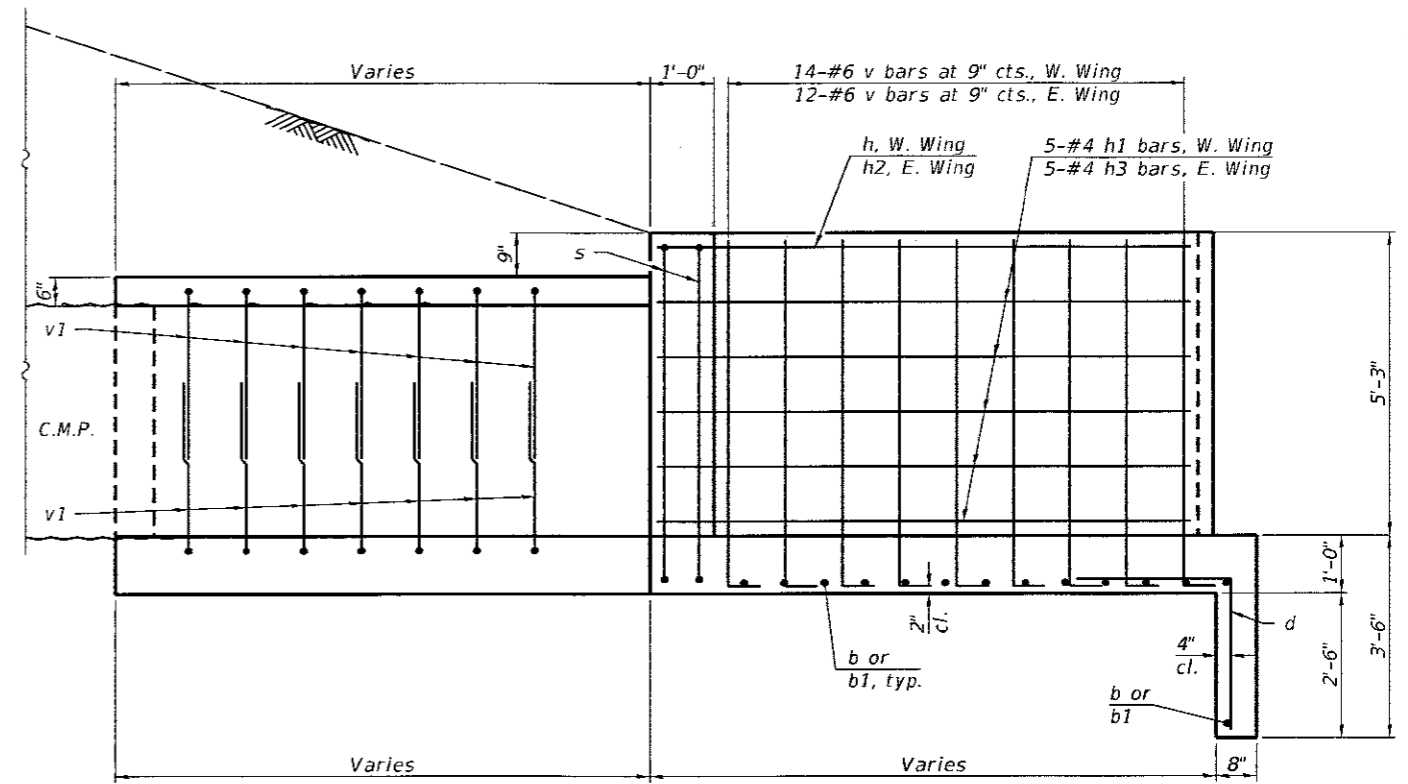
MINIMUM BAR LAP

#4 bar = 1'-4"

*Cut or bend to fit



END ELEVATION



HALF SIDE ELEVATION

Note:
For bar diagrams and bill of materials,
see sheet 2 of 2.

USER NAME =	DESIGNED - TIM FRIEDERICH	REVISED -
	CHECKED - ERIC M. LAGEMANN	REVISED -
PLOT SCALE =	DRAWN - TIM FRIEDERICH	REVISED -
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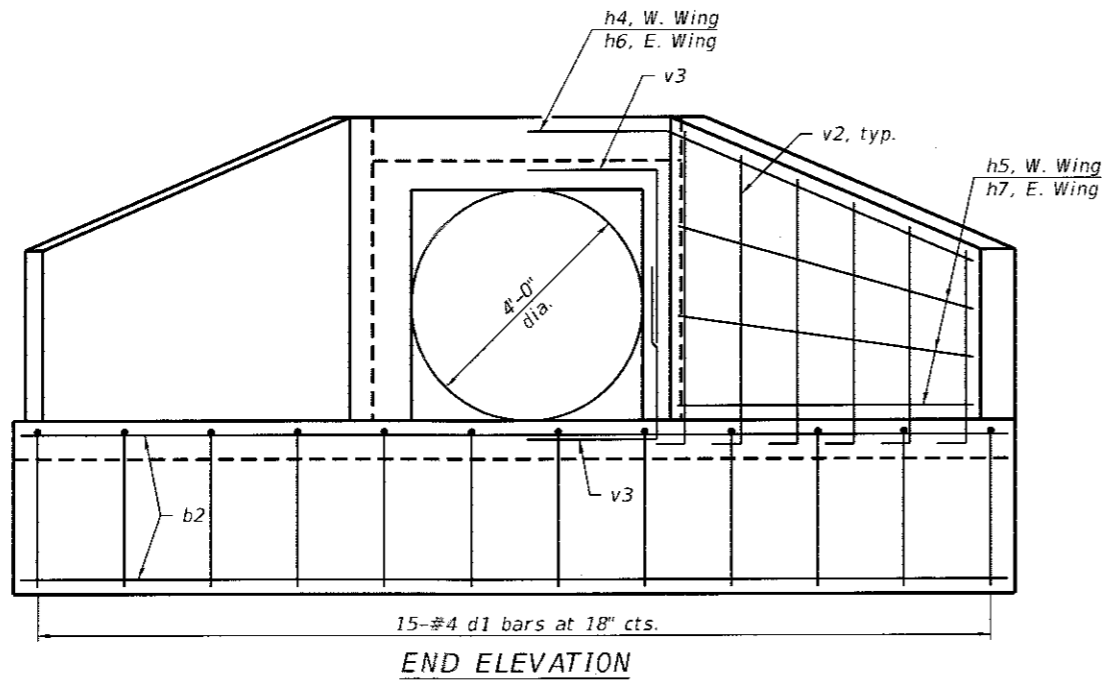
**Calhoun County
Highway Department**

**UPSTREAM APRON DETAILS
CULVERT AT STA. 583+81.23**

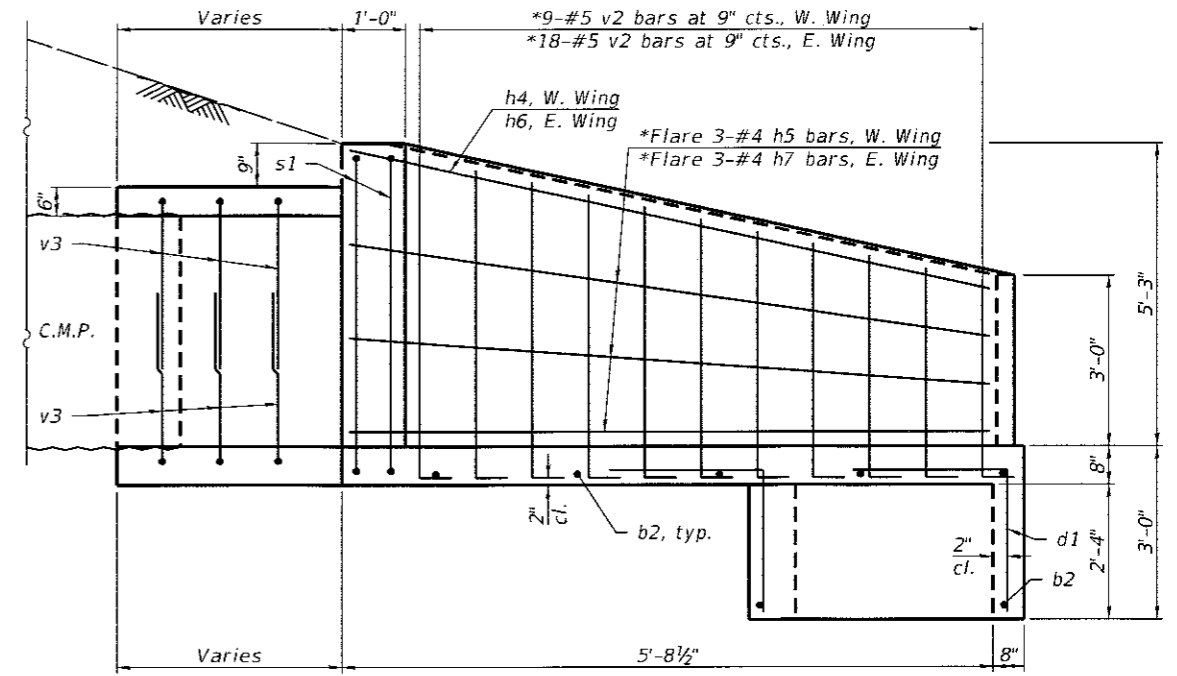
SHEET NO. 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	19
CONTRACT NO. 97660				

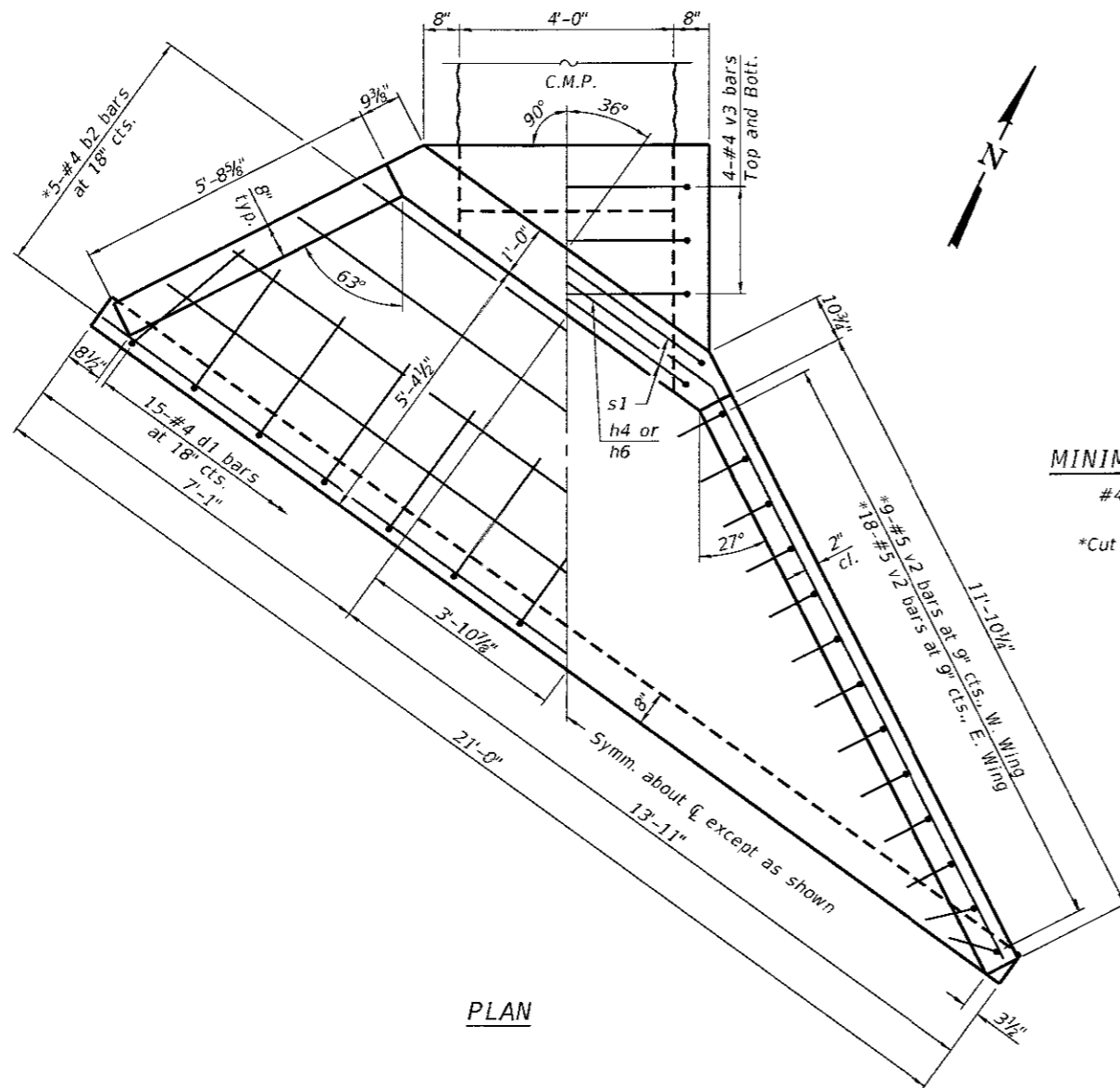
ILLINOIS FED. AID PROJECT



END ELEVATION



HALF SIDE ELEVATION

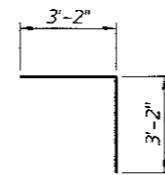


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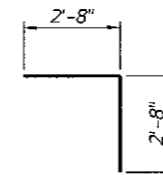
MINIMUM BAR LAP

#4 bar = 1'-4"

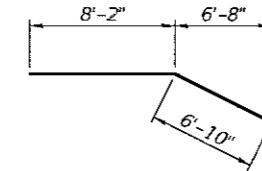
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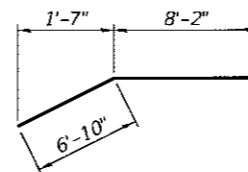
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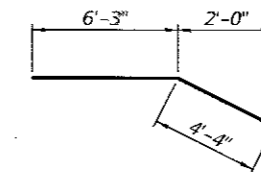
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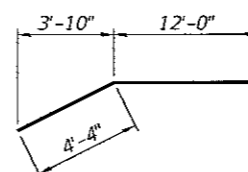
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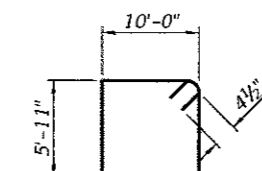
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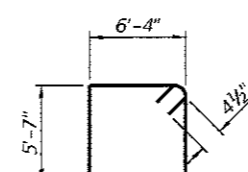
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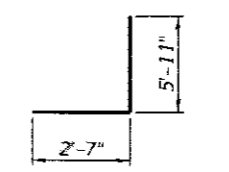
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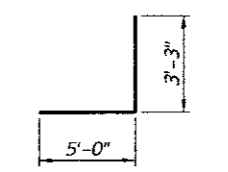
BAR s



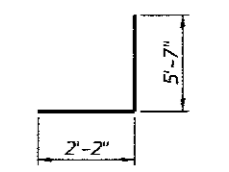
BAR s1



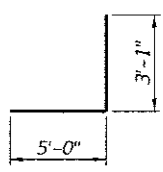
BAR v



BAR v1



BAR v2



BAR v3

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b	13	#6	20'-10"	—
b1	15	#6	8'-5"	—
b2	6	#4	20'-9"	—
d	39	#6	6'-4"	U
d1	15	#4	5'-4"	U
h	1	#4	15'-0"	—
h1	5	#4	8'-2"	—
h2	1	#4	15'-0"	—
h3	5	#4	8'-2"	—
h4	1	#4	10'-7"	—
h5	3	#4	6'-3"	—
h6	1	#4	16'-4"	—
h7	3	#4	12'-0"	—
s	2	#4	32'-7"	□
s1	2	#4	24'-7"	□
v	26	#6	8'-6"	U
v1	18	#4	8'-3"	U
v2	27	#5	7'-9"	U
v3	8	#4	8'-1"	U
Cast-In-Place Reinforced Concrete End Section, 48"			Each	2

USER NAME =	DESIGNED - TIM FRIEDERICH	REVISED -
	CHECKED - ERIC M. LAGEMANN	REVISED -
PLOT SCALE =	DRAWN - TIM FRIEDERICH	REVISED -
PLOT DATE =	CHECKED - ERIC M. LAGEMANN	REVISED -

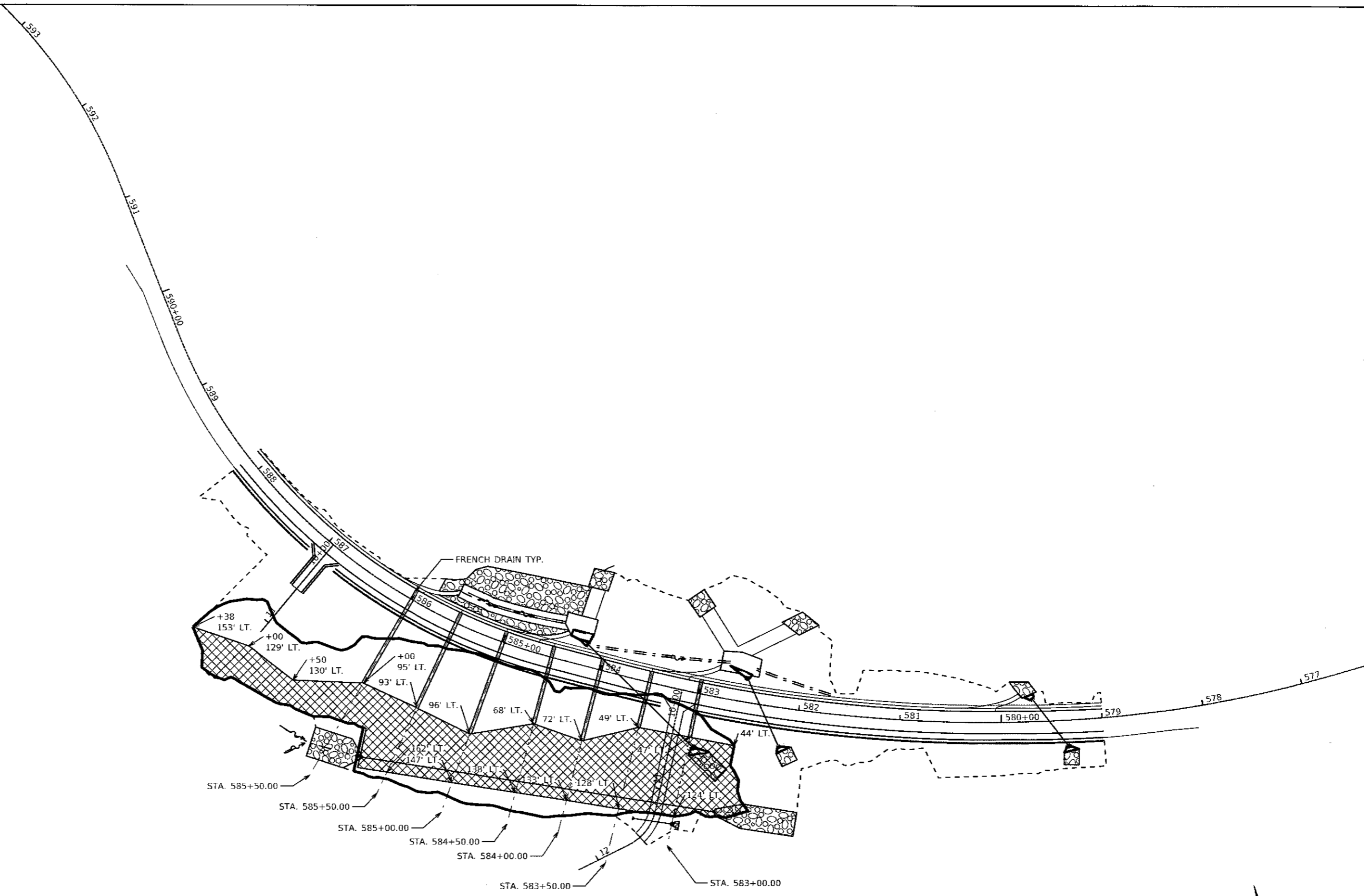



Calhoun County
Highway Department

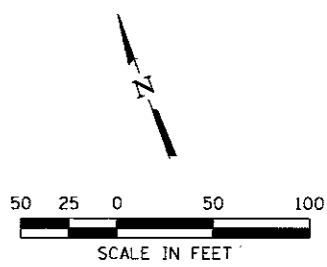
DOWNSTREAM APRON DETAILS
CULVERT AT STA. 583 + 81.23

SHEET NO. 2 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	20
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	



 SAND DRAINAGE BLANKET



MODEL: D:\baur
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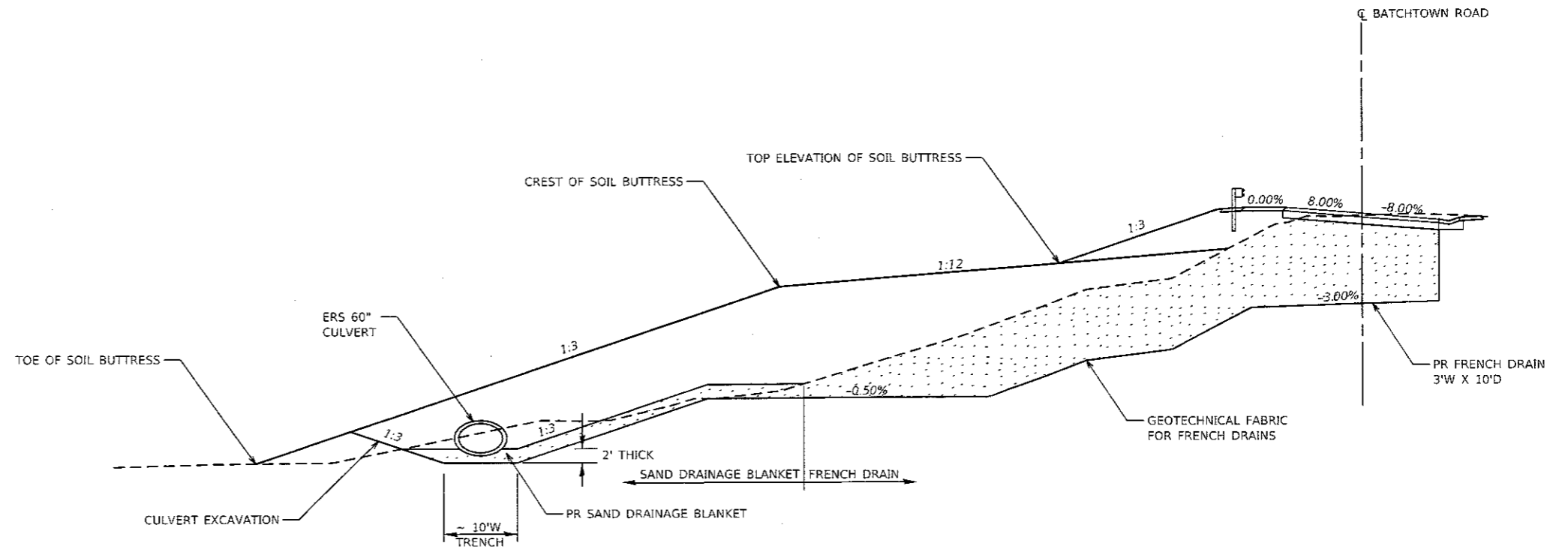
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRENCH DRAIN & SAND DRAINAGE BLANKET DETAIL
PLAN VIEW**

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 21
CONTRACT NO. 97660				
ILLINOIS FED. AID PROJECT				

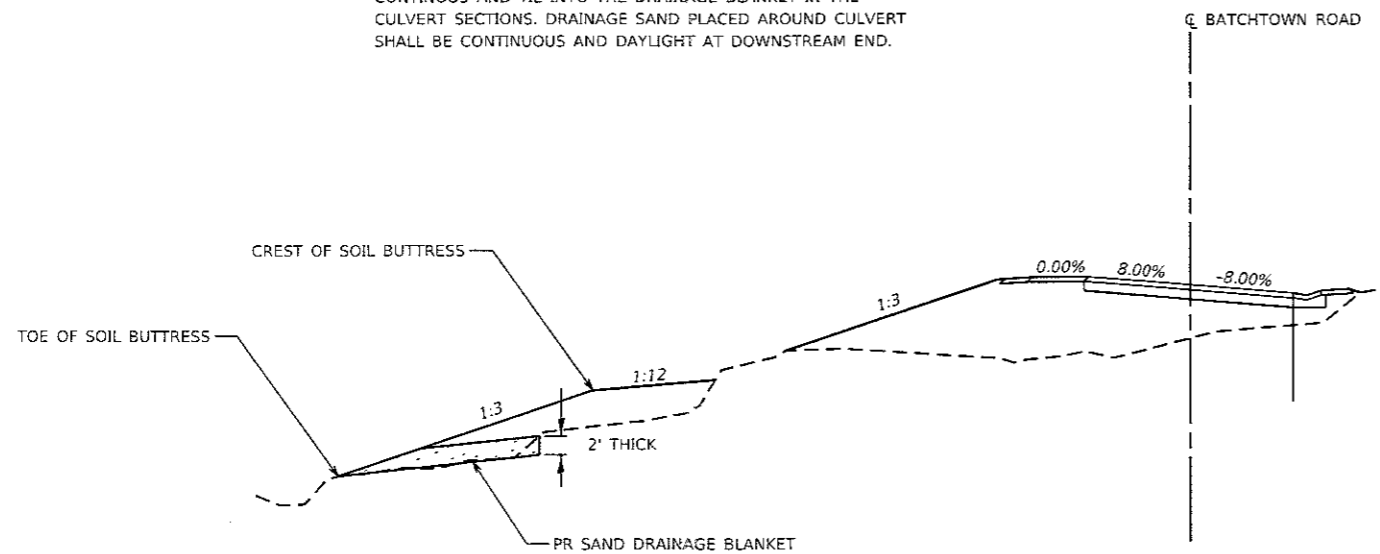


SAND DRAINAGE LAYER W/ PIPE CULVERT
STA 583+00.00 TO STA. 585+50.00

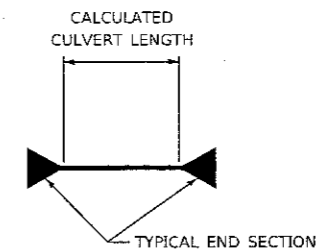
NOTES:

FRENCH DRAINS SPACED AT 50-FOOT CENTERS BETWEEN STA 583+00 AND 586+00.

DRAINAGE BLANKET TO BE SLOPED AND EXTENDED TO CONNECT TO BACKFILL AROUND CULVERT OR DAYLIGHT. DRAINAGE BLANKET IN AREAS WHERE A PIPE IS NOT PRESENT TO ARE TO BE CONTINUOUS AND TIE INTO THE DRAINAGE BLANKET IN THE CULVERT SECTIONS. DRAINAGE SAND PLACED AROUND CULVERT SHALL BE CONTINUOUS AND DAYLIGHT AT DOWNSTREAM END.



SAND DRAINAGE BLANKET W/O PIPE CULVERT
STA 585+50.00 TO STA. 587+37.57



NOTES:

PIPE CULVERT LENGTHS ARE CALCULATED FROM THE JUNCTION OF END SECTION AND PIPE CULVERT TO JUNCTION OF END SECTION AND PIPE CULVERT

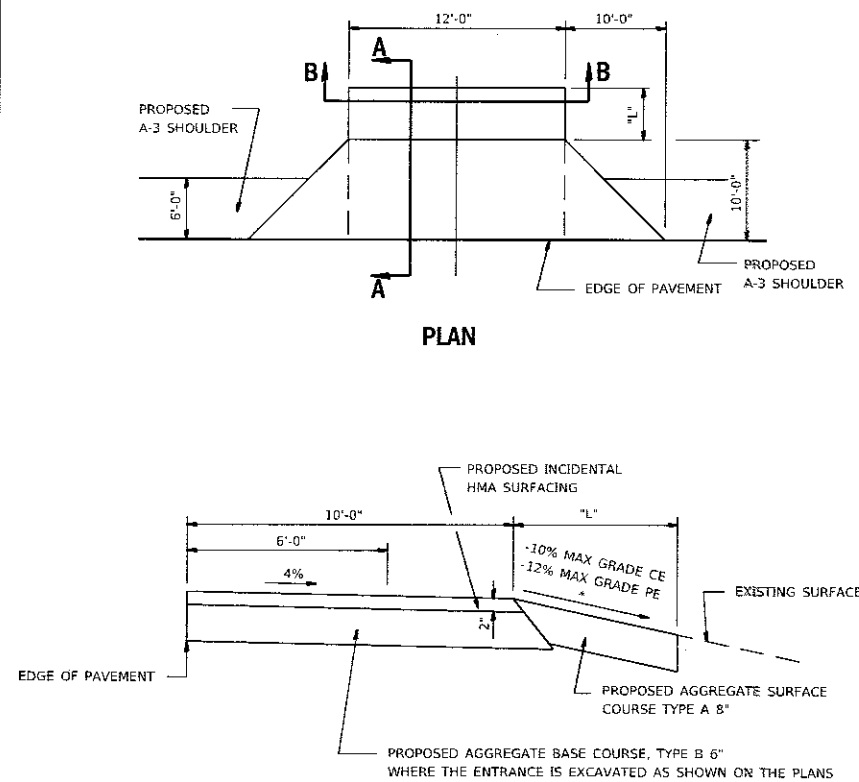
WHERE CLASS D PIPE CULVERTS ARE ALLOWED PIPE CULVERT LENGTHS ARE CALCULATED ASSUMING CMP

PIPE CULVERT LENGTH CALCULATION DETAIL

FILE NAME =	USER NAME = jepetitbone	DESIGNED -	REVISED -	<p>HORNER SHIFRIN WWW.HORNERSHIFRIN.COM</p>	<p>Calhoun County Highway Department</p>	<p>SAND DRAINAGE BLANKET ELEVATION VIEW / PIPE CULVERT LENGTH CALCULATION DETAILS</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\p\01\horner\shifrin\Transportation\Eng\Documents\1610700-Batchtown\18\Stops\Stabilization\01_Cadd\Transportation\18\shifrin-shi-detail.dgn	DATE = 10/2/2017	CHECKED -	REVISED -				756	15-00052-05-PV	CALHOUN	48	22
PLOT SCALE = 100.0000' / in.	DATE -	REVISOR -	REVISOR -				CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	
Default	DATE -	REVISOR -	REVISOR -				SCALE:	SHEET 2 OF 3 SHEETS	STA. TO STA.		

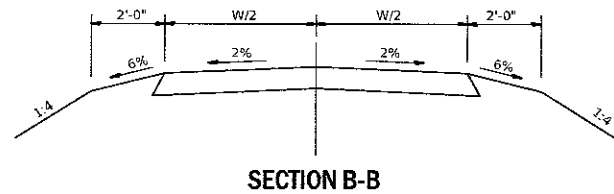
DETAIL OF AGGREGATE ENTRANCES

STA 583+17.00 & STA 586+94.72



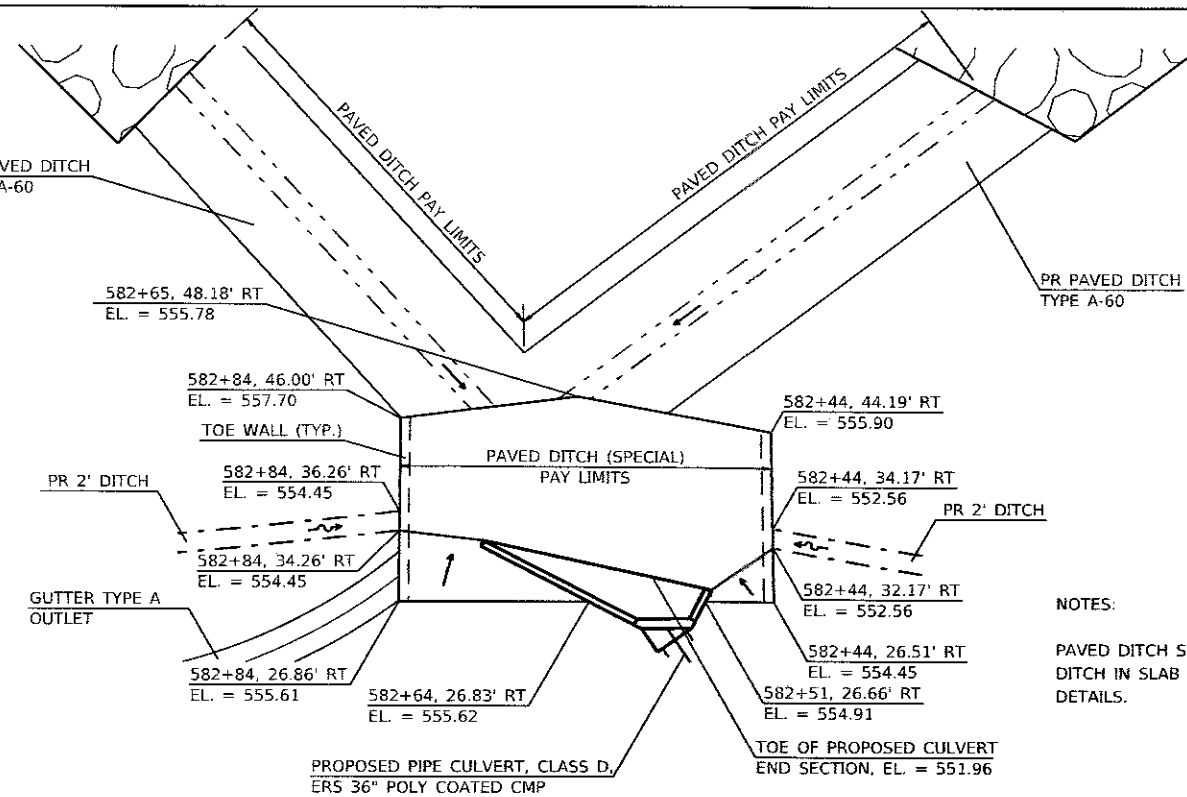
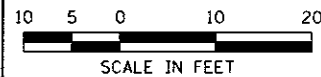
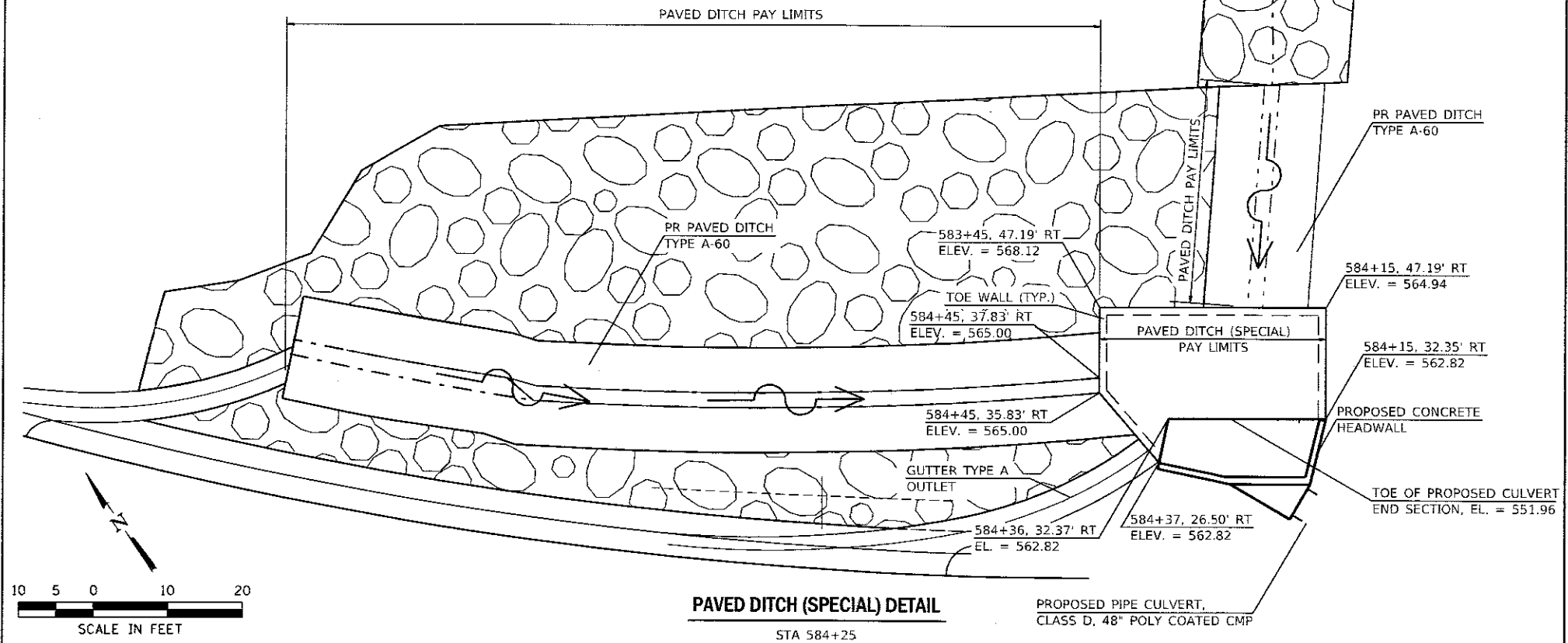
SECTION A-A WITH NEGATIVE GRADE

* SEE CROSS SECTIONS FOR SLOPES



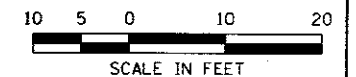
NOTES:

PAVED DITCH SPECIAL TO MATCH HWY STANDARD 606401 PAVED DITCH IN SLAB THICKNESS, REINFORCEMENT AND TOE WALL DETAILS.



NOTES:

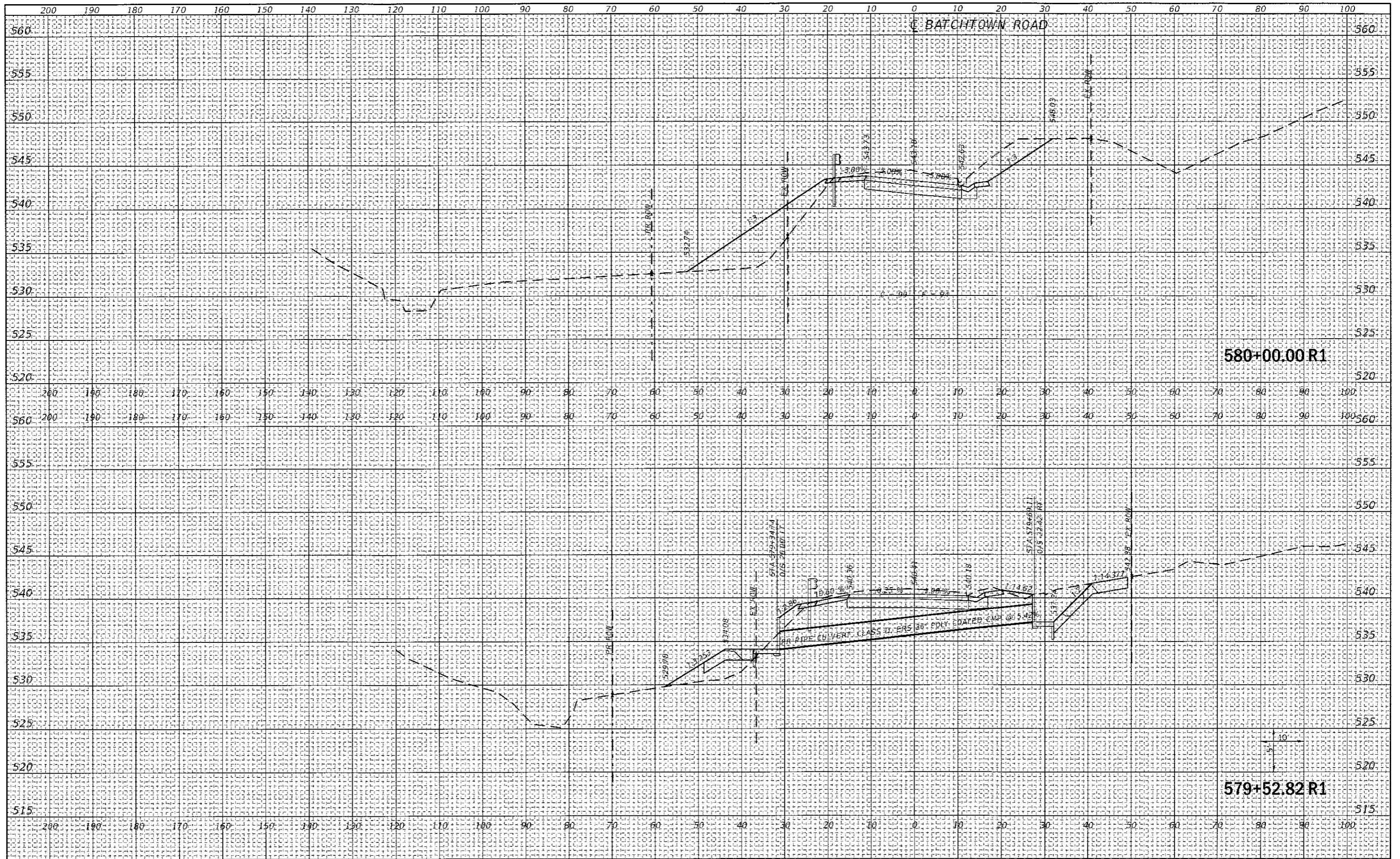
PAVED DITCH SPECIAL TO MATCH HWY STANDARD 606401 PAVED DITCH IN SLAB THICKNESS, REINFORCEMENT AND TOE WALL DETAILS.



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PLOT SCALE = 100.0000 1/16"	CHECKED -	REVISED -	REVISED -			SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 97660		ILLINOIS FED AID PROJECT	
PLOT DATE = 9/29/2017	DATE -	REVISED -	REVISED -										
Default													

DATE: _____
 BY: _____
 SURVEYED: _____
 SURVEY: _____
 TEMPLATE: _____
 AREAS: _____
 AREAS CHECKED: _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED: _____
 SURVEY: _____
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 AREAS CHECKED: _____
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 PLOT SCALE: 20.0000" / in.
 PLOT DATE: 10/3/2017

DESIGNED: JONATHAN N. BAILEY
 DRAWN: JONATHAN N. BAILEY
 CHECKED: BRAD E. RIECHMANN
 DATE: _____

REVISED: _____
 REVISED: _____
 REVISED: _____
 REVISED: _____



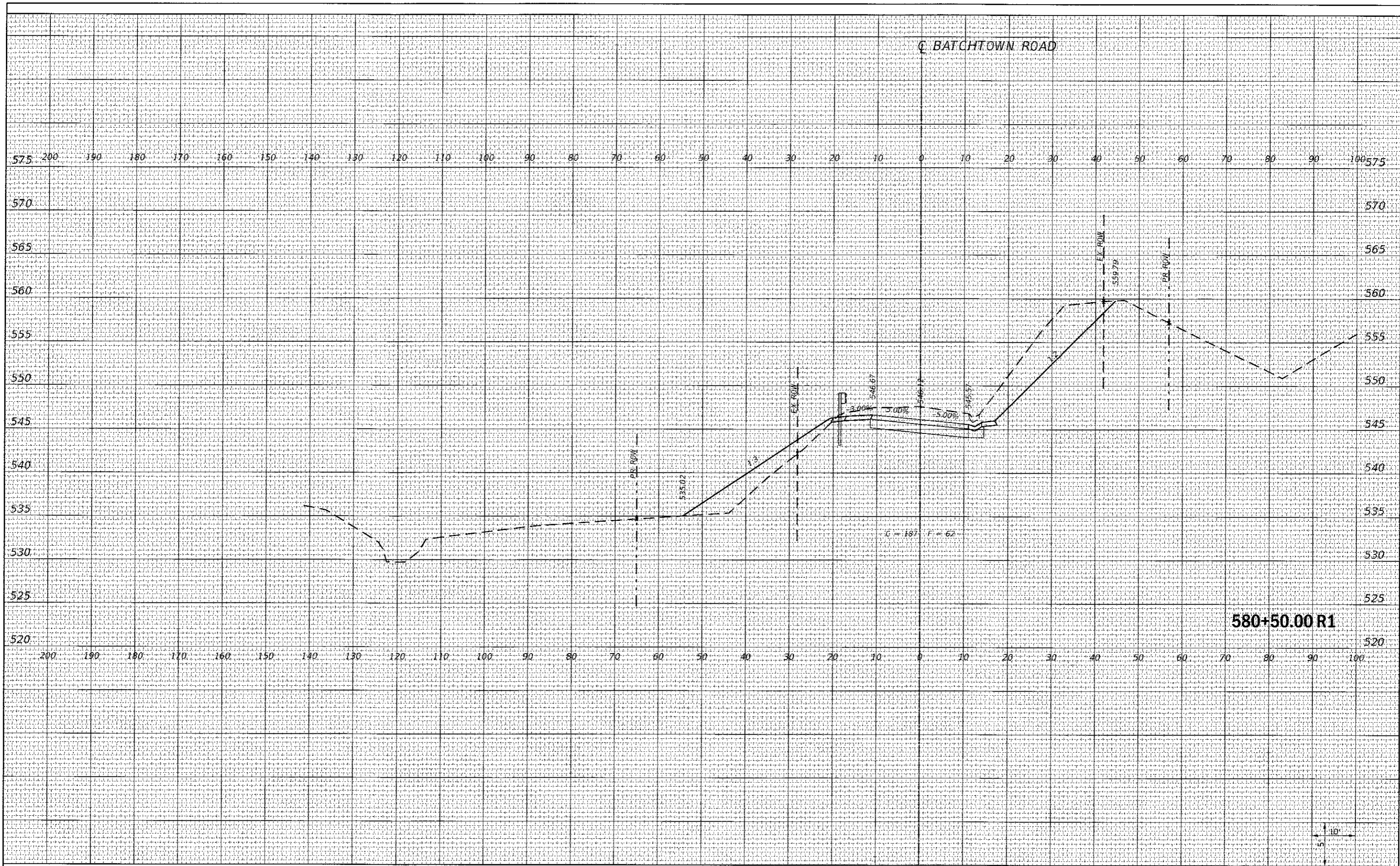
Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10' SHEET 2 OF 23 SHEETS STA. 579+54.37 R1 TO STA. 580+00.00 R1

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	25
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

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

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS	
AREAS CHECKED	
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 DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 9/29/2017

REVISED -
 REVISED -
 REVISED -
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Calhoun County
 Highway Department

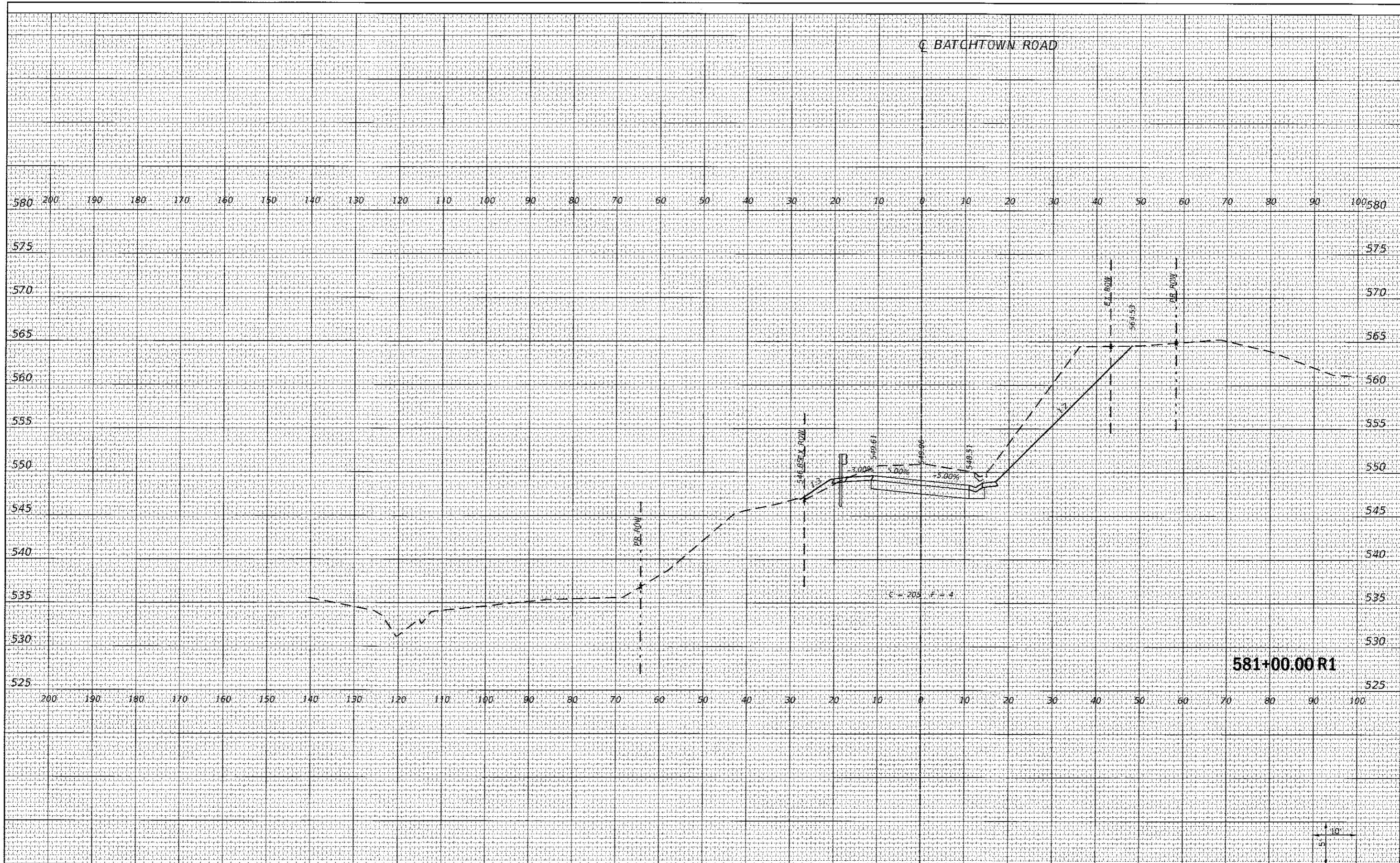
FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 3 OF 23 SHEETS
 STA. 580+50.00 R1 TO STA. 580+50.00 R1

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	26
				CONTRACT NO. 97660

580+50.00 R1

10'
 1" = 10'

C. BATCHTOWN ROAD



581+00.00 R1

BY	DATE
SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
NO.	

BY	DATE
SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
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 PLOT SCALE = 20.0000"/in.
 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
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 REVISED -
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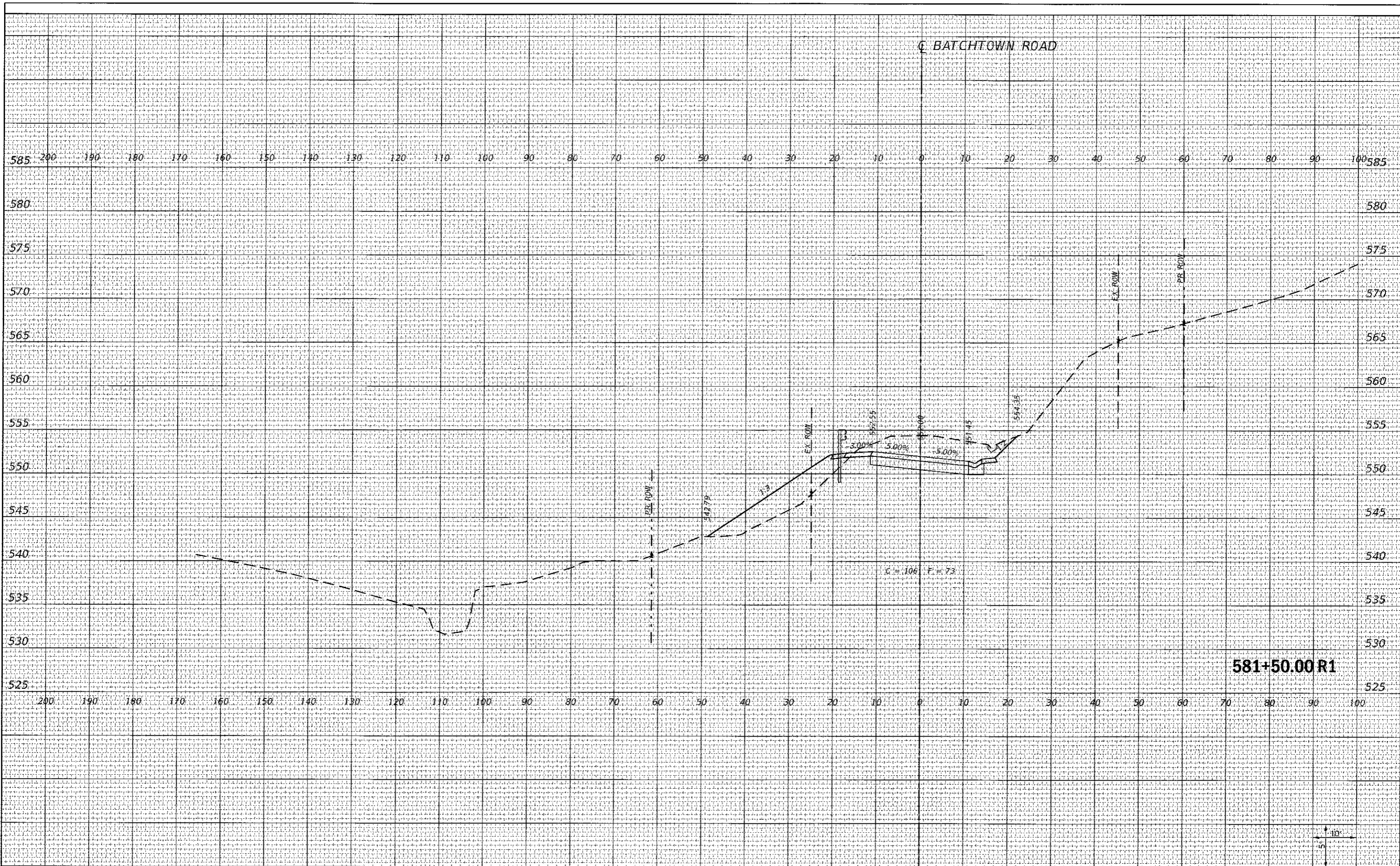
Calhoun County Highway Department

FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION CROSS SECTIONS
 SCALE: 1" = 10' SHEET 4 OF 23 SHEETS STA. 581+00.00 R1 TO STA. 581+00.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 27
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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 PLOT SCALE = 20.0000 / in.
 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
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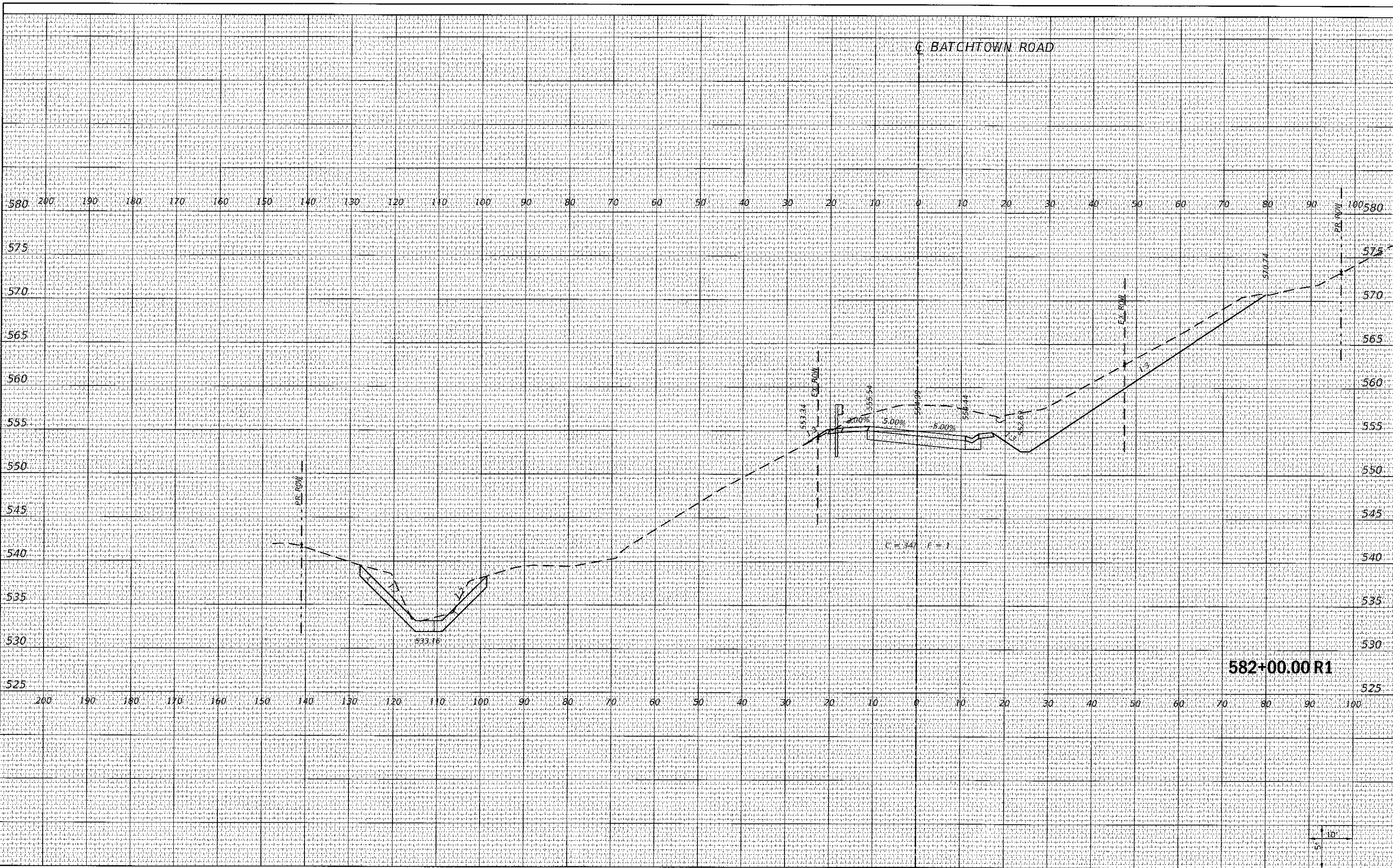
Calhoun County
 Highway Department

FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 5 OF 23 SHEETS
 STA. 581+50.00 R1 TO STA. 581+58.00

F.A.S. RTE 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 28
CONTRACT NO. 97660				
ILLINOIS FED. AID PROJECT				

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

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



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 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
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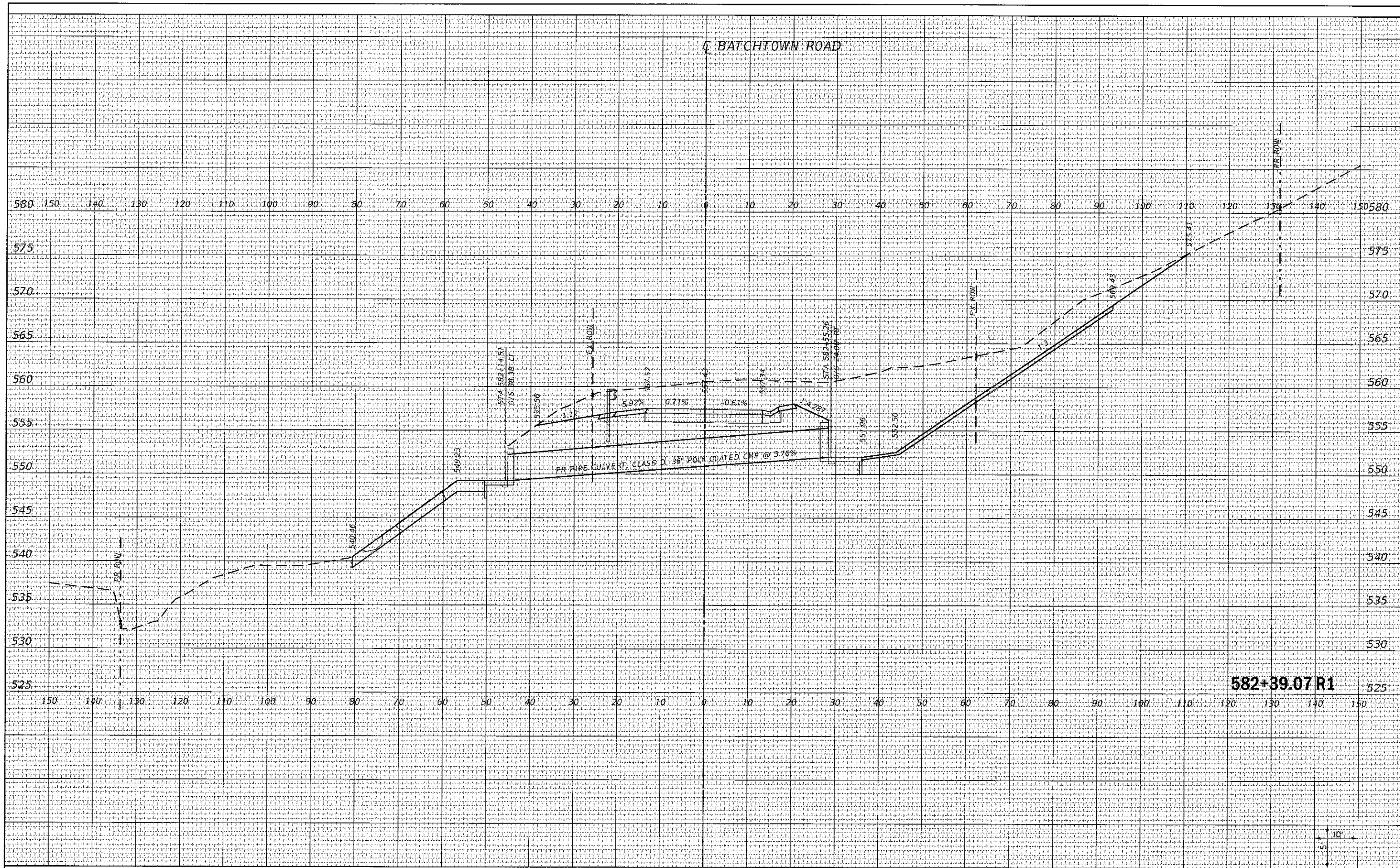
Calhoun County
 Highway Department

FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 6 OF 23 SHEETS
 STA. 582+00.00 R1 TO STA. 582+00.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 29
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
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TEMPLATE	
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DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
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DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
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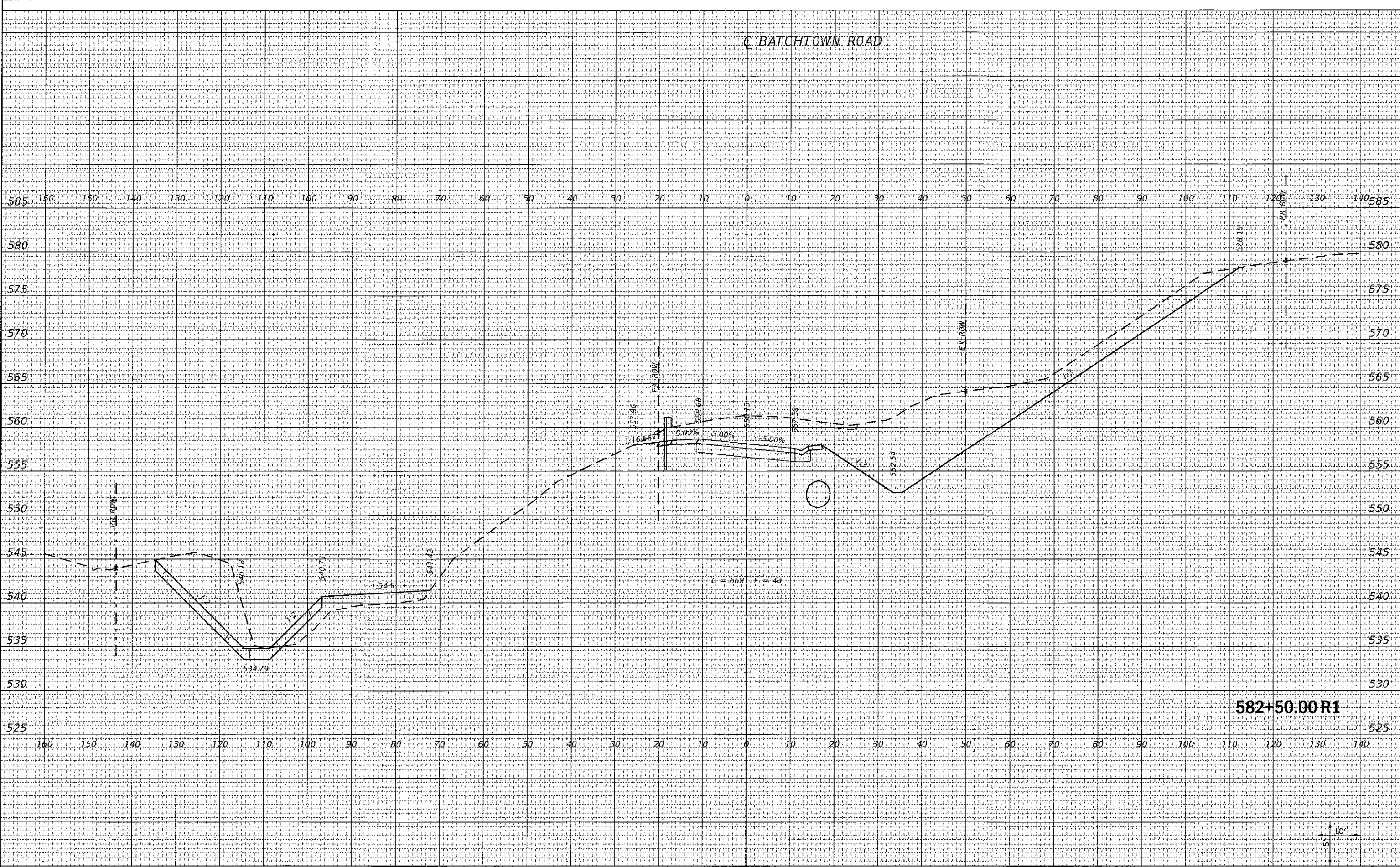
Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 7 OF 23 SHEETS
 STA. 582+39.07 R1 TO STA. 582+39.07 R1

F.A.S. RTE. 756	SECTION 15-00052-05-FV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 30
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

BY	DATE

BY	DATE



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 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
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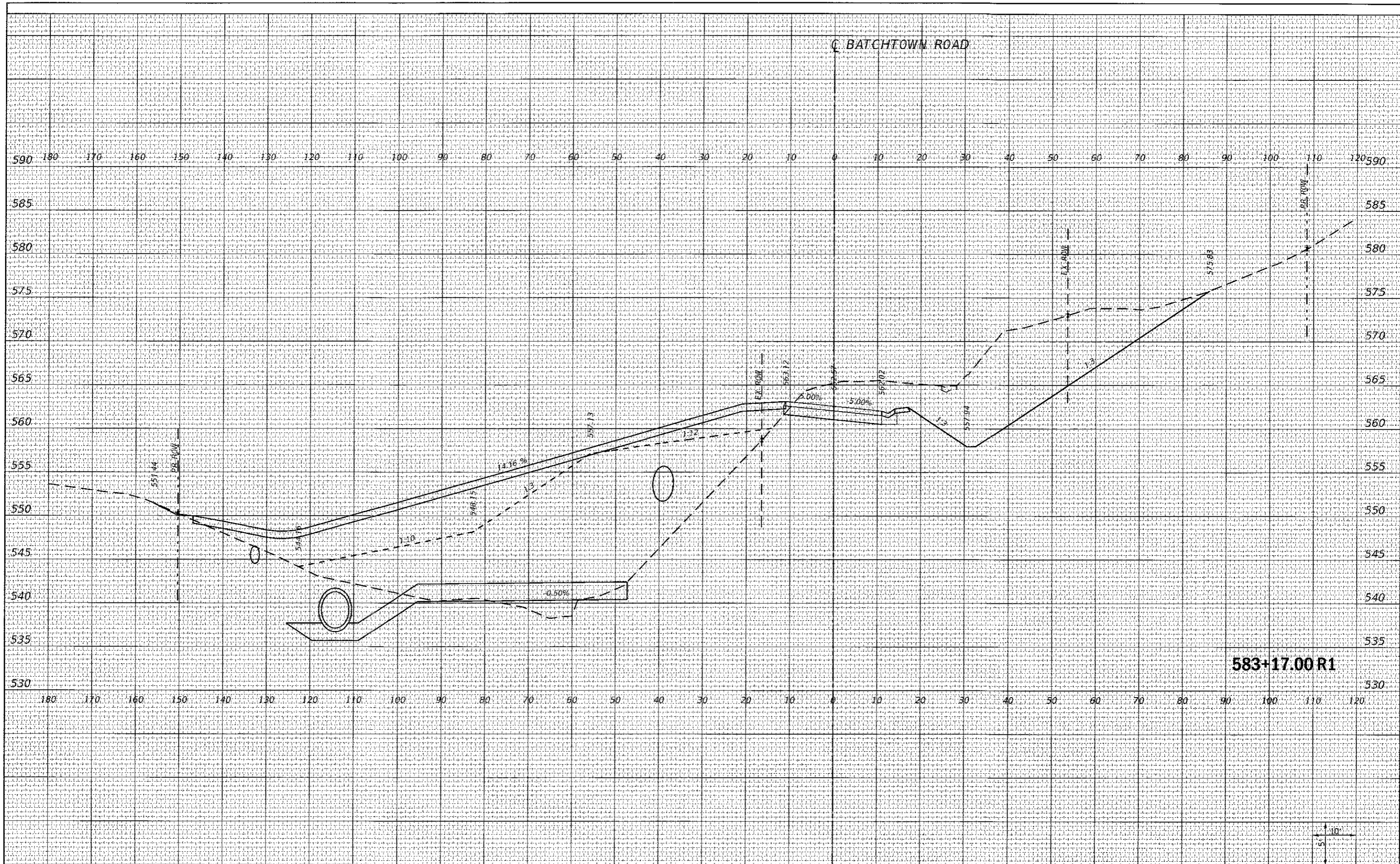
Calhoun County
 Highway Department

FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 8 OF 23 SHEETS
 STA. 582+50.00 R1 TO STA. 582+50.00 R1

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	31
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
REPLATE	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
REPLATE	
AREAS CHECKED	



583+17.00 R1

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DESIGNED - JONATHAN N. BAILEY
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 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
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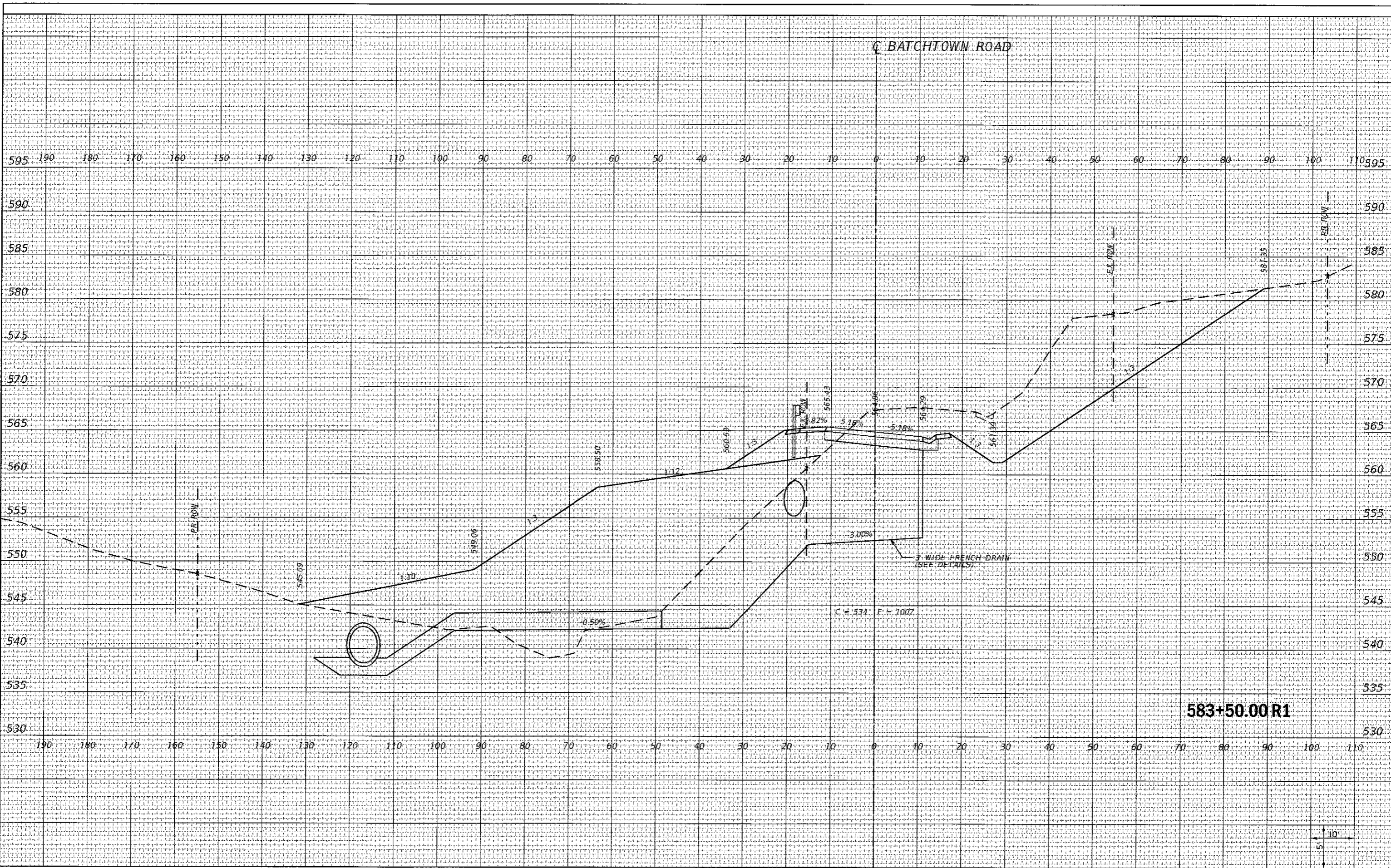
Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 10 OF 23 SHEETS STA. 583+17.00 R1 TO STA. 583+17.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 33
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
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DATE	
BY	
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TEMPLATE	
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DESIGNED - JONATHAN N. BAILEY	REVISED -
DRAWN - JONATHAN N. BAILEY	REVISED -
CHECKED - BRAD E. RIECHMANN	REVISED -
DATE -	REVISED -



Calhoun County
Highway Department

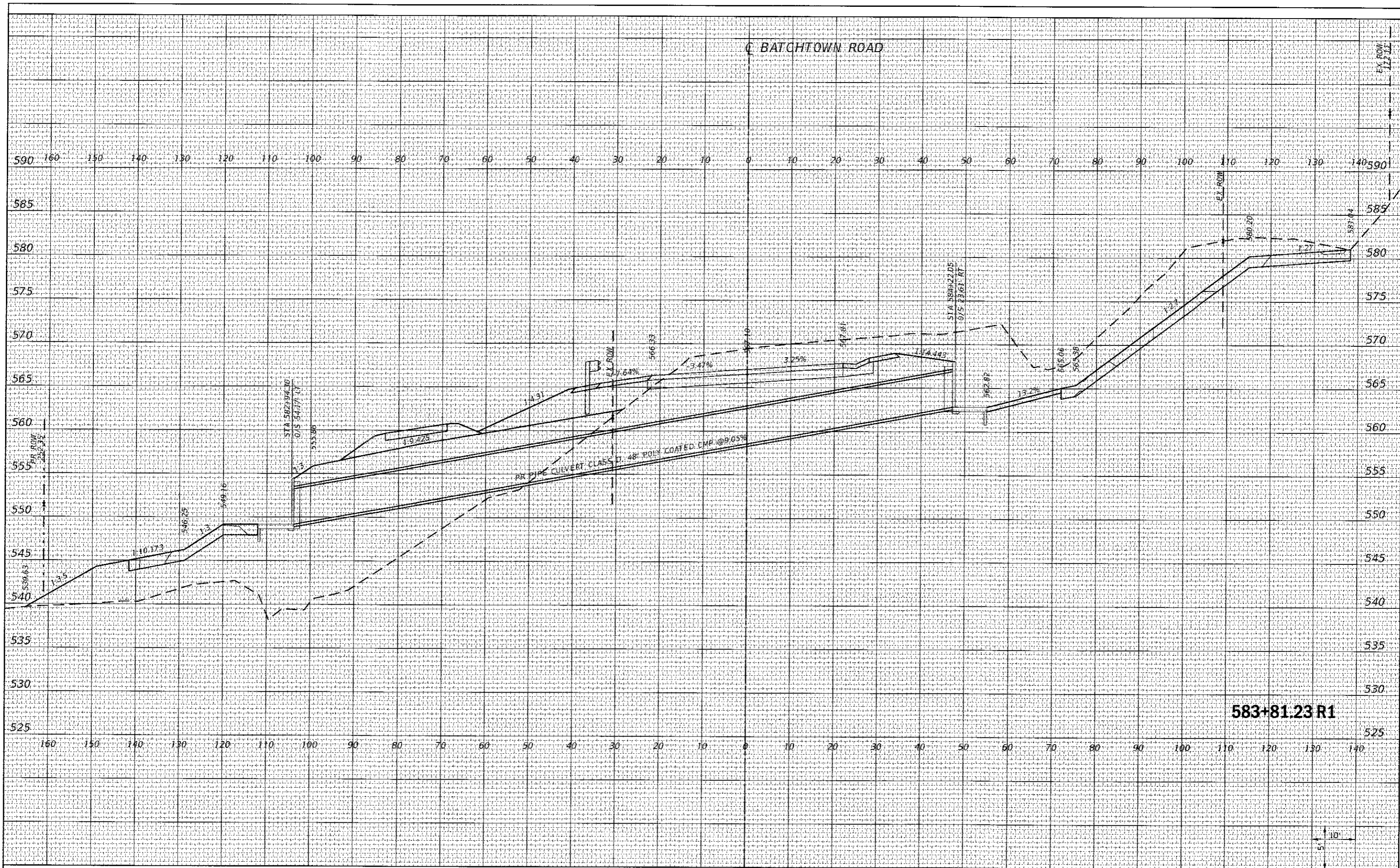
FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION
CROSS SECTIONS

SCALE: 1" = 10' SHEET 11 OF 23 SHEETS STA. 583+50.00 R1 TO STA. 583+50.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 34
			CONTRACT NO. 97660	
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
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DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
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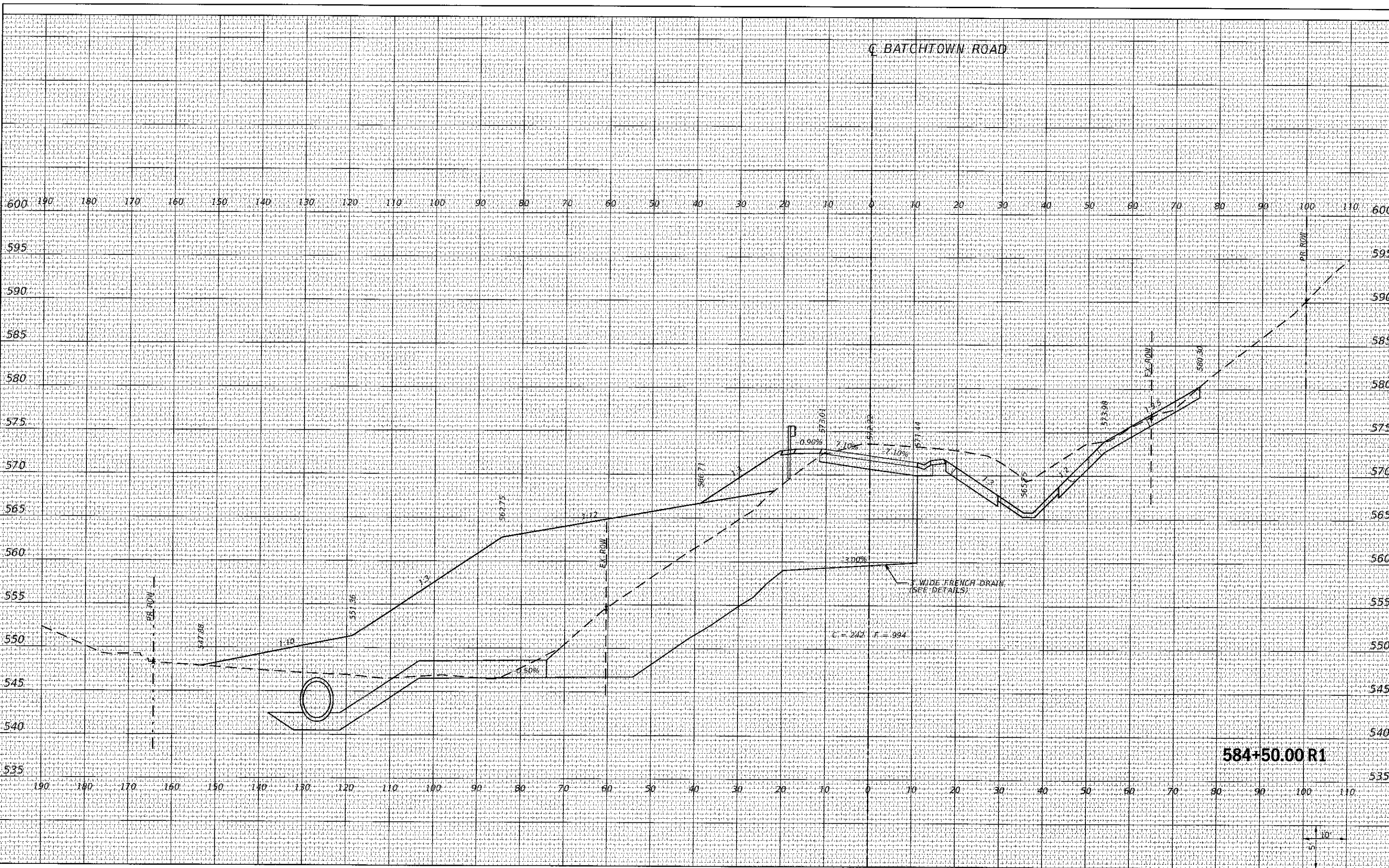
Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 12 OF 23 SHEETS
 STA. 583+81.23 R1 TO STA. 583+81.23 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 35
CONTRACT NO. 97660			ILLINOIS FED AID PROJECT	

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

DATE	
BY	
NO.	
AREAS CHECKED	
NOTE BOOK	
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ORIGINAL SURVEY	



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 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



Calhoun County
 Highway Department

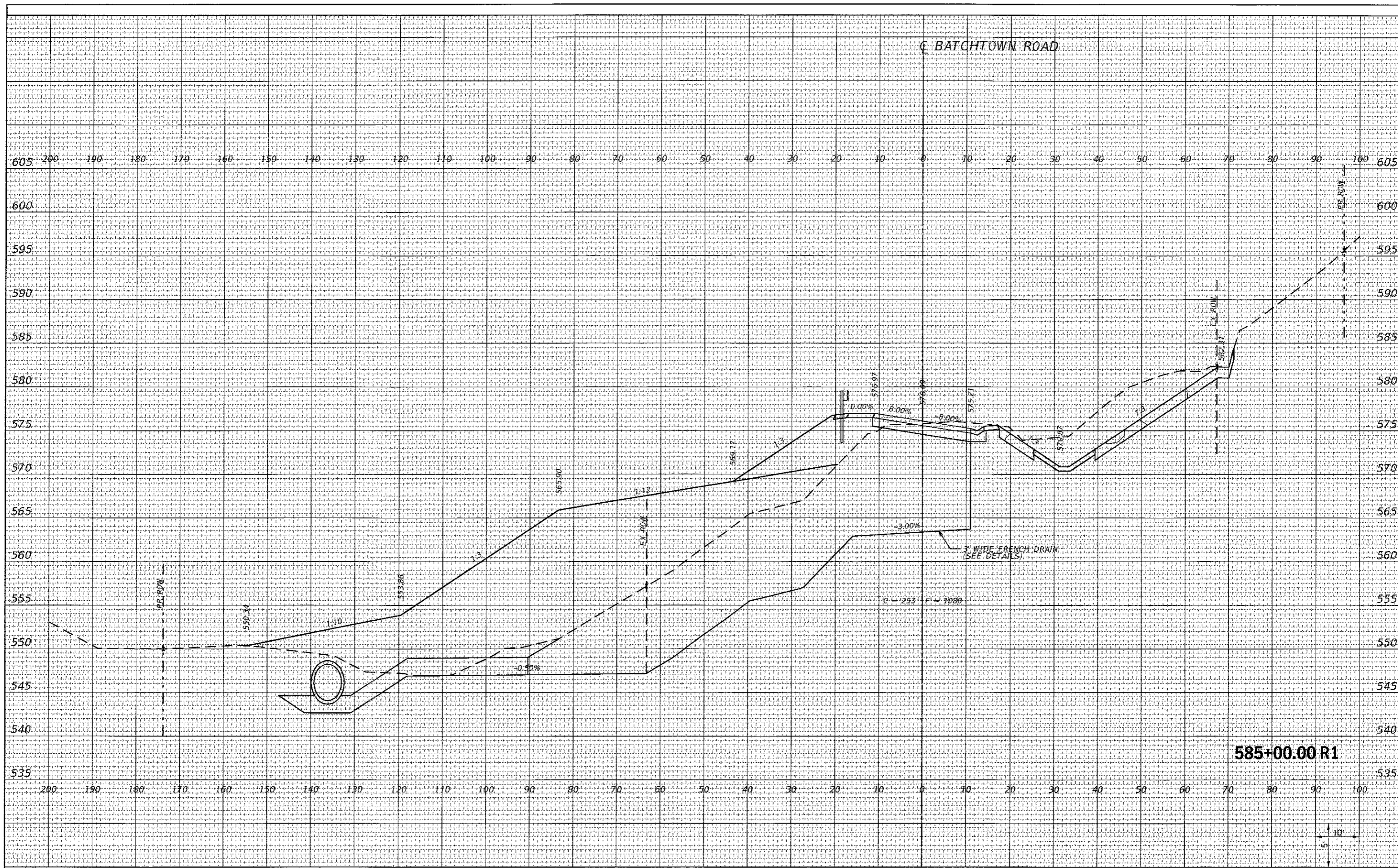
FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS

SCALE: 1" = 10' SHEET 14 OF 23 SHEETS STA. 584+50.00 R1 TO STA. 584+50.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 37
CONTRACT NO. 97660			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	



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 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



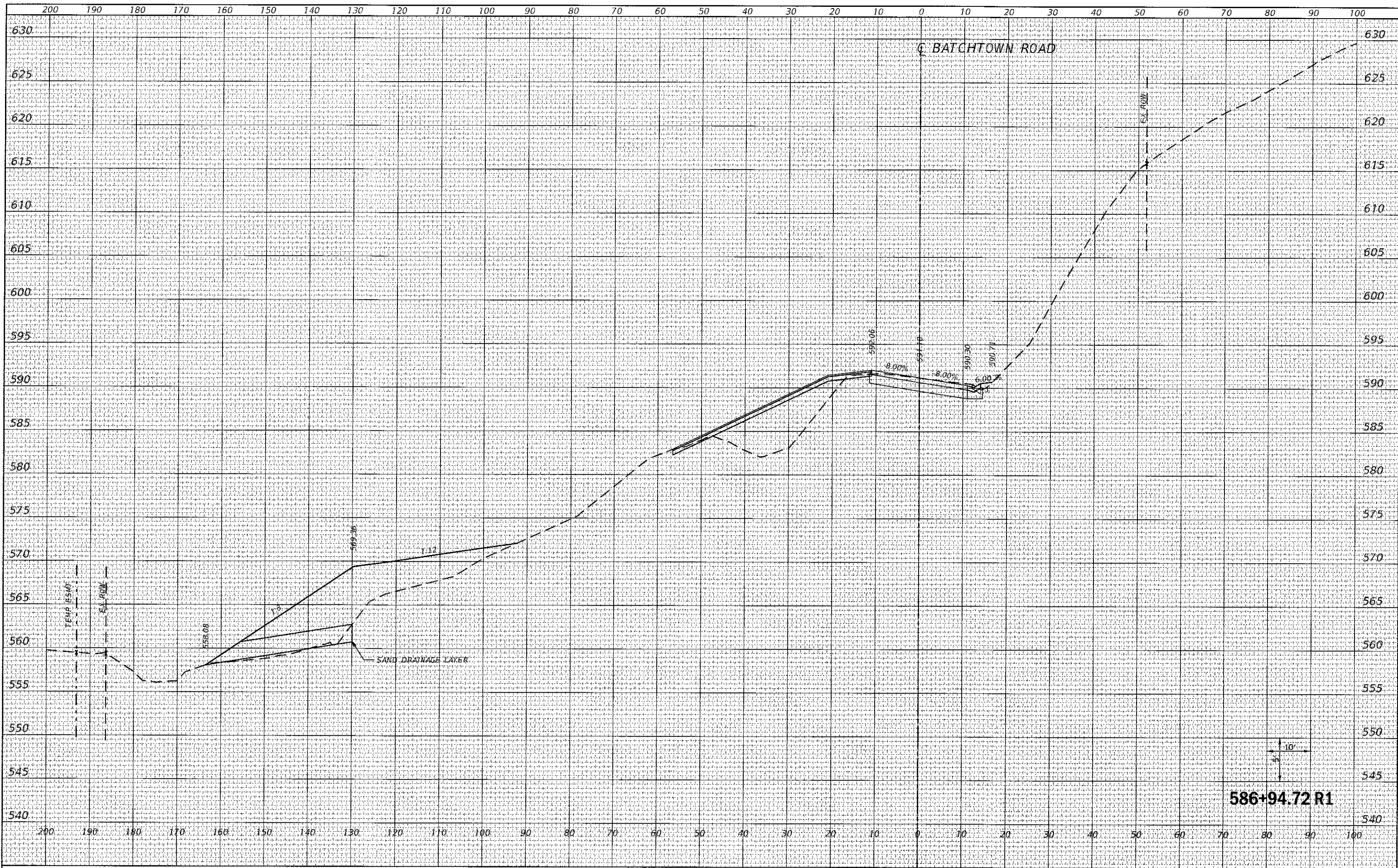
Calhoun County
 Highway Department

FAS 756 (BATCHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 15 OF 23 SHEETS STA. 585+00.00 R1 TO STA. 585+00.00 R1

F.A.S. RTE 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 38
CONTRACT NO. 97660				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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NO.	



586+94.72 R1

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PLOT SCALE = 20.0000' / in.
PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY
DRAWN - JONATHAN N. BAILEY
CHECKED - BRAD E. RIECHMANN
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



Calhoun County
Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
CROSS SECTIONS

SCALE: 1" = 10' SHEET 19 OF 23 SHEETS STA. 586+94.72 R1 TO STA. 586+94.72 R1

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	42
CONTRACT NO. 97660				
ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMP. AREAS	
NO. CHECKED	

BY	DATE
SURVEYED	
PLOTTED	
TEMP. AREAS	
NO. CHECKED	



587+00.00 R1

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 PLOT DATE = 9/29/2017

DESIGNED - JONATHAN N. BAILEY	REVISED -
DRAWN - JONATHAN N. BAILEY	REVISED -
CHECKED - BRAD E. RIECHMANN	REVISED -
DATE -	REVISED -

HORNER SHIFRIN
 WWW.HORNERSHIFRIN.COM

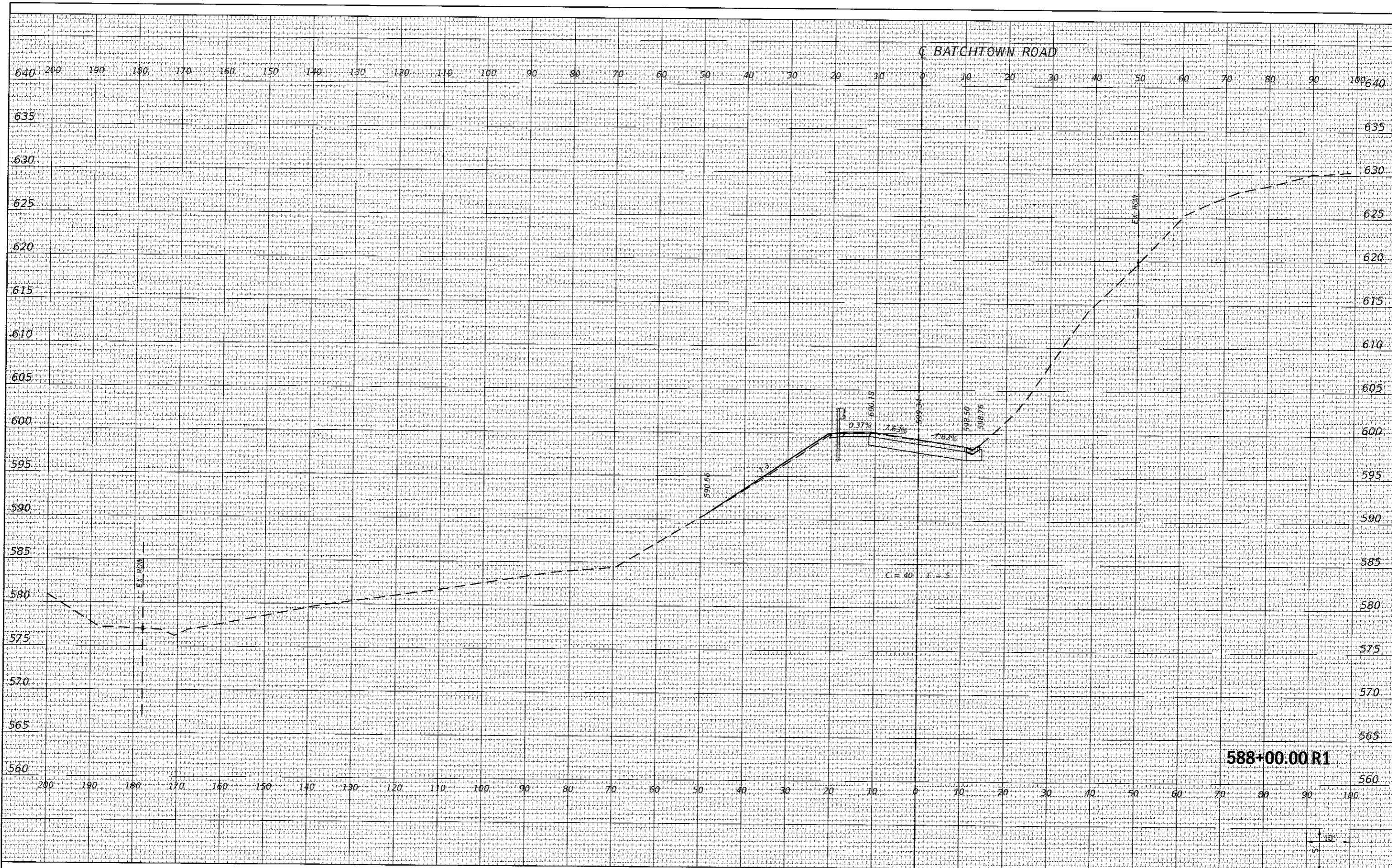
Calhoun County Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 20 OF 23 SHEETS STA. 587+00.00 R1 TO STA. 587+00.00 R1

F.A.S. RTE. 756	SECTION 15-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 43
CONTRACT NO. 97660				
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



588+00.00 R1

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 PLOT DATE = 9/23/2017

DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



Calhoun County
Highway Department

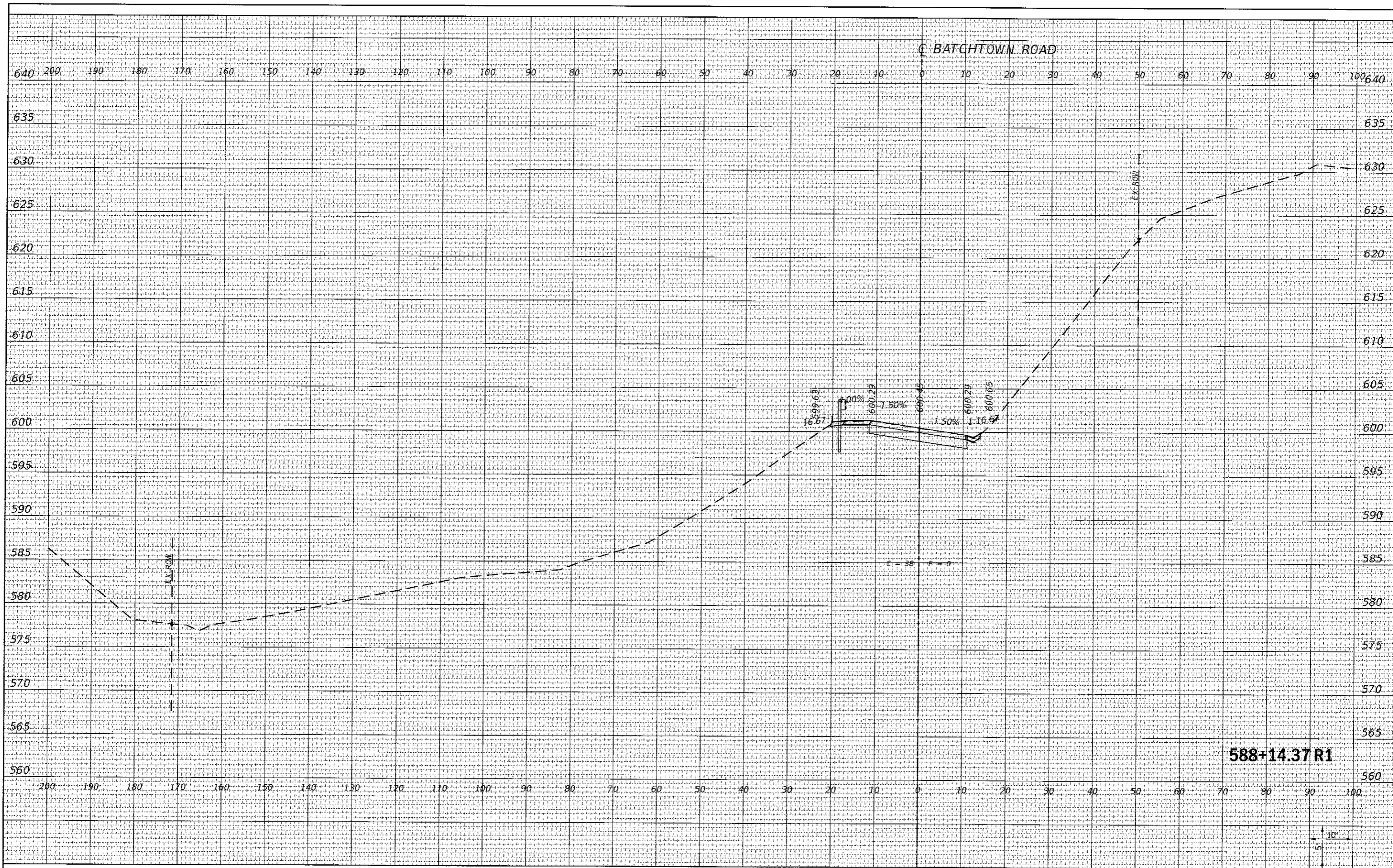
FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 22 OF 23 SHEETS STA. 588+00.00 R1 TO STA. 588+00.00 R1

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00052-05-PV	CALHOUN	46	45
CONTRACT NO.			97660	

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



588+14.37R1



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 PLOT DATE = 9/29/2017

USER NAME = PWIC66
 DESIGNED - JONATHAN N. BAILEY
 DRAWN - JONATHAN N. BAILEY
 CHECKED - BRAD E. RIECHMANN
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



Calhoun County
 Highway Department

FAS 756 (BATHTOWN ROAD) SLOPE STABILIZATION
 CROSS SECTIONS
 SCALE: 1" = 10'
 SHEET 23 OF 23 SHEETS STA. 588+14.37 R1 TO STA. 588+14.37 R1

F.A.S. RTE. 756	SECTION 16-00052-05-PV	COUNTY CALHOUN	TOTAL SHEETS 46	SHEET NO. 46
CONTRACT NO. 97660				
ILLINOIS FED. AID PROJECT				