

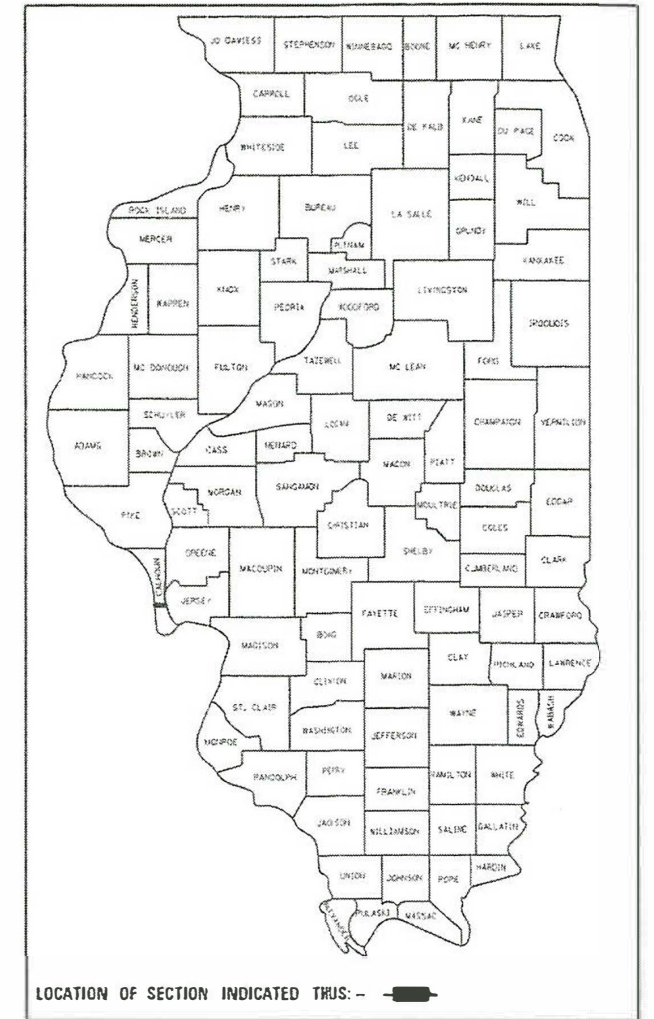
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	1
FEDERAL AID PROJECT		ILLINOIS	CONTRACT NO. 97699	

# PLANS FOR PROPOSED HIGHWAY IMPROVEMENT PROJECT

FAS ROUTE 756 (CH 6 / BATCHTOWN ROAD)  
SECTION 15-00081-00-RS  
PROJECT NO. UCOF(726)  
CALHOUN COUNTY  
JOB NUMBER C-98-312-16  
FUNDING: STR

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



**UTILITY CONTACTS:**

**UTILITY TYPE:**

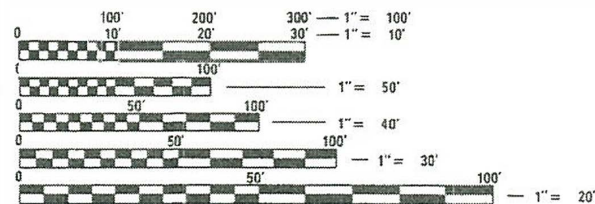
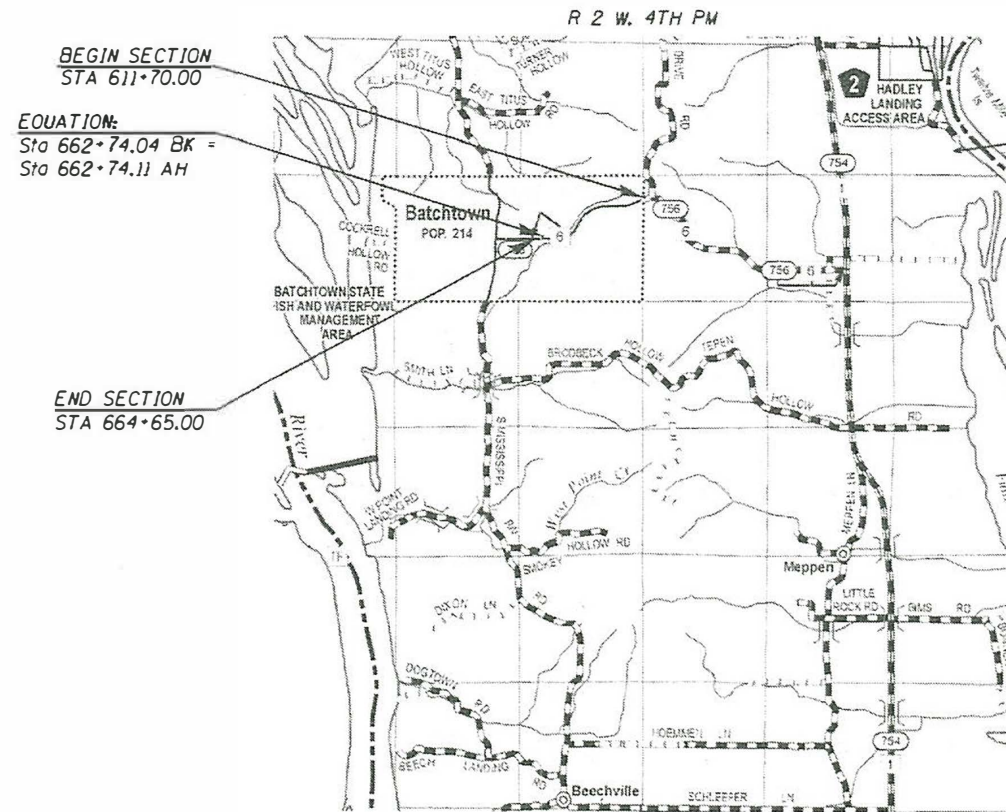
WATER  
VILLAGE OF BATCHTOWN  
ATTN: DUSTIN NEESE  
PHONE: (217) 653-2820 (CELL)

**UTILITY TYPE:**

ELECTRIC  
AMEREN IP  
ATTN: MARTIN FULLER  
PHONE: (618) 236-6281

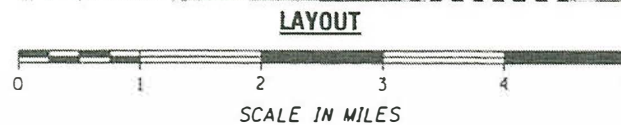
**UTILITY TYPE:**

TELEPHONE  
FRONTIER COMMUNICATIONS (SOUTH)  
ATTN: KALIN HINSHAW  
PHONE: (815) 895-1515



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

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



GROSS LENGTH OF SECTION = 5,164.93 FEET = 0.978 MILES  
NET LENGTH OF SECTION = 5,164.93 FEET = 0.978 MILES

FUNCTIONAL CLASSIFICATION : MAJOR COLLECTOR  
DESIGN SPEED 40 MPH  
CURRENT ADT= 800 (2017)



*Kimberly S. Cummins* 3/30/20  
ILLINOIS PROFESSIONAL NO. 56816  
(Expires 11/30/21)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 3/30/20 \_\_\_\_\_ 20  
*[Signature]*  
CALHOUN COUNTY ENGINEER

PASSED April 9 \_\_\_\_\_ 20  
*[Signature]*  
DISTRICT EIGHT ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW April 9, \_\_\_\_\_ 20  
*[Signature]*  
REGION FIVE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

SHEET NO.	TITLE
1.	COVER SHEET
2.	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
3.-7.	SUMMARY OF QUANTITIES
8.-10.	TYPICAL CROSS SECTIONS
11.-14.	SCHEDULES OF QUANTITIES
15.-16.	ALIGNMENT AND BENCH MARKS
17.-22.	PLAN AND PROFILE SHEETS
23.	TRAFFIC CONTROL ADVANCE WARNING SIGNS (ROAD CLOSURE)
24.	MAINTENANCE OF TRAFFIC
25.-26.	EROSION CONTROL PLAN
27.-28.	GUARDRAIL AND SHOULDER LAYOUT DETAILS
29.	ENTRANCE AND MAIL BOX TURNOUT DETAILS
30.	BUTT JOINT DETAILS
31.	10'x6' CONCRETE BOX CULVERT EXTENSION DETAILS STA. 649+19.75
32.	PRECAST CONCRETE BOX CULVERT EXTENSION DETAILS STA. 649+19.75
33.	RIPRAP SWALE DETAILS
34.-70.	CROSS SECTIONS

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542401-03	METAL END SECTIONS FOR PIPE CULVERTS
542406-03	METAL END SECTIONS FOR PIPE ARCHES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606101-05	TYPE A GUTTER (INLET, OUTLET AND ENTRANCES)
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630111-01	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
666001-01	RIGHT OF WAY MARKERS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL MOUNTAIN DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**APPLICATION RATES USED IN QUANTITY CALCULATIONS**

TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE
FERTILIZER NUTRIENTS	.90 LBS/ACRE
MULCH	2 TON/ACRE
RIPRAP	1.5 TON/CU YD
GRANULAR MATERIALS	2.05 TON/CU YD
BITUMINOUS MATERIALS	0.004164 TON/GAL
PRIME COAT	0.30 GAL/SQ YD
COVER COAT	0.25 GAL/SQ YD
SEAL COAT	0.35 GAL/SQ YD
CIR-FDR EMULSIFIED ASPHALT	2.3 GAL SQ/YD

**GENERAL NOTES**

- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- ILLINOIS STATE LAW REQUIRES 48 HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.I.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
- LAYOUT OF EROSION CONTROL ITEMS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION. AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT AS SPECIFIED IN THE CONTRACT. THE COST OF ALL OTHER MATERIALS REQUIRED AND ALL OTHER LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS, ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING ROADWAY FEATURES INCLUDING, BUT NOT LIMITED TO, PAVEMENT, GUTTER, CULVERTS, HEADWALLS, RIPRAP, WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE PLANS. ALL FEATURES WHICH ARE TO BE REMOVED AND FOR WHICH THERE IS NO SPECIFIC PAY ITEM WILL NOT BE MEASURED SEPARATELY FOR PAYMENT AND THE COST OF THIS REMOVAL WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY FOR EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AGGREGATE FOR TEMPORARY ACCESS 50 TON

- MATERIAL FOR PIPE CULVERTS, TYPE 1, CLASS D SHALL BE PRECOATED GALVANIZED CORRUGATED STEEL PIPE.
- MATERIAL FOR TRENCH BACKFILL SHALL BE CA 16 EXCEPT THE TOP 12" SHALL BE AGGREGATE BASE COURSE TYPE B.

- NOTIFICATION OF CLOSURE**  
THE CONTRACTOR SHALL NOTIFY THE FOLLOWING ORGANIZATIONS AT LEAST ONE WEEK PRIOR TO EACH OF THE ROAD CLOSURES.

IL STATE POLICE (DSTRIC 18)	(217) 324-4900
RICHWOODS FIRE PROTECTION DISTRICT	(618) 396-2418
CALHOUN COUNTY SHERIFF'S DEPARTMENT	(618) 576-2417
BATCHTOWN POSTMASTER	(618) 396-2577
CALHOUN COMMUNITY UNIT SCHOOL DISTRICT	(618) 576-2722

THE AGENCIES SHALL ALSO BE NOTIFIED WHEN THE ROAD IS OPEN TO TRAFFIC.

**COMMITMENTS**

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

MODEL: Default  
FILE NUMBER: 2569-ah1-gen.dgn



JOB = 2569	DESIGNED - NAK	REVISED -
FILE NAME = 2569-ah1-gen.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 4/28/2020	DATE - 3/30/2020	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**INDEX OF SHEETS, HIGHWAY STANDARDS,  
GENERAL NOTES AND COMMITMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	2
CONTRACT NO. 97699			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE
STR FUNDS 80% FEDERAL 20% LOCAL
ROADWAY
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	112	112
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	788	788
20200100	EARTH EXCAVATION	CU YD	2,805	2,805
20400800	FURNISHED EXCAVATION	CU YD	95	95
20600110	GRANULAR EMBANKMENT, SPECIAL	TON	4,098	4,098
20800150	TRENCH BACKFILL	CU YD	133	133
25000200	SEEDING, CLASS 2	ACRE	2.75	2.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	248	248
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	248	248
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	248	248
25100115	MULCH, METHOD 2	ACRE	2.25	2.25
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	2,350	2,350
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	271	271
28000305	TEMPORARY DITCH CHECKS	FOOT	80	80

\* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

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FILE NAME = SFILES	DRAWN - SJS	REVISED -
PLOT SCALE = SCALES	CHECKED - NAK	REVISED -
PLOT DATE = SDATES	DATE - 3/30/2020	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97699	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				STR FUNDS 80% FEDERAL 20% LOCAL	
				ROADWAY	
				0005	
				RURAL	
28000400	PERIMETER EROSION BARRIER	FOOT	3,307	3,307	
28000500	INLET AND PIPE PROTECTION	EACH	17	17	
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	159	159	
28200200	FILTER FABRIC	SQ YD	238	238	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1,355	1,355	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	363	363	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50	
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	16.1	16.1	
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	45.4	45.4	
40300500	COVER COAT AGGREGATE	TON	320	320	
40300600	SEAL COAT AGGREGATE	TON	160	160	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	134	134	
40600990	TEMPORARY RAMP	SQ YD	25	25	
44000400	GUTTER REMOVAL	FOOT	6,425	6,425	

\* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

MODEL: \$MODELNAME\$  
FILE NAME: \$FILE\$



JOB # 2568  
FILE NAME = \$FILE\$  
PLOT SCALE = \$SCALE\$  
PLOT DATE = \$DATE\$

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DRAWN - SJS  
CHECKED - NAK  
DATE - 3/30/2020

REVISED -  
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REVISED -  
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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	4
ILLINOIS   FED. AID PROJECT			CONTRACT NO. 97699	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				STR FUNDS 80% FEDERAL 20% LOCAL	
				ROADWAY	
				0005	RURAL
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,470	1,470	
50102400	CONCRETE REMOVAL	CU YD	12.4	12.4	
50105220	PIPE CULVERT REMOVAL	FOOT	435	435	
50800105	REINFORCEMENT BARS	POUND	790	790	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	96	96	
54011006	PRECAST CONCRETE BOX CULVERTS 10' X 6'	FOOT	21	21	
54248510	CONCRETE COLLAR	CU YD	3.8	3.8	
54261718	STEEL FLARED END SECTIONS 18"	EACH	2	2	
54261730	STEEL FLARED END SECTIONS 30"	EACH	8	8	
54261736	STEEL FLARED END SECTIONS 36"	EACH	4	4	
54261830	STEEL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	330	330	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	52	52	

\* SEE SPECIAL PROVISIONS  
 Δ SPECIALTY ITEMS

MODEL: D:\work\15-00081-00-RS\15-00081-00-RS.dgn

<b>CEC</b> Cummins Engineering Corporation Civil and Structural Engineering	JOB # = 2569 FILE NAME = 2569-sh-SOQ.dgn PLOT SCALE = 20,0000' / in. PLOT DATE = 4/28/2020	DESIGNED - NAK DRAWN - SJS CHECKED - NAK DATE - 3/30/2020	REVISED - REVISED - REVISED - REVISED -	<b>CALHOUN COUNTY                  CH 6 IMPROVEMENTS</b>	<b>SUMMARY OF QUANTITIES</b>	SCALE:	SHEET 3 OF 5 SHEETS STA. TO STA.	F.A.S. RTE. 756 SECTION 15-00081-00-RS COUNTY CALHOUN TOTAL SHEETS 70 SHEET NO. 5 CONTRACT NO. 97699 ILLINOIS FED. AID PROJECT
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				STR FUNDS 80% FEDERAL 20% LOCAL	
				ROADWAY	
				0005	
	RURAL				
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	200	200	
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	114	114	
542D5485	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	44	44	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	37	37	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,204	2,204	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	25.6	25.6	
60602500	CONCRETE GUTTER, TYPE A	FOOT	1,865	1,865	
Δ 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	837.5	837.5	
Δ 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	12.5	12.5	
Δ 63000050	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	FOOT	37.5	37.5	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	17	17	
63200310	GUARDRAIL REMOVAL	FOOT	1,513	1,513	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10	

\* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

MODEL: 90000105  
FILE NAME: 90000105



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FILE NAME = \$FILES	DRAWN - SJS	REVISED -
PLOT SCALE = \$\$CALES	CHECKED - NAK	REVISED -
PLOT DATE = \$DATES	DATE - 3/30/2020	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

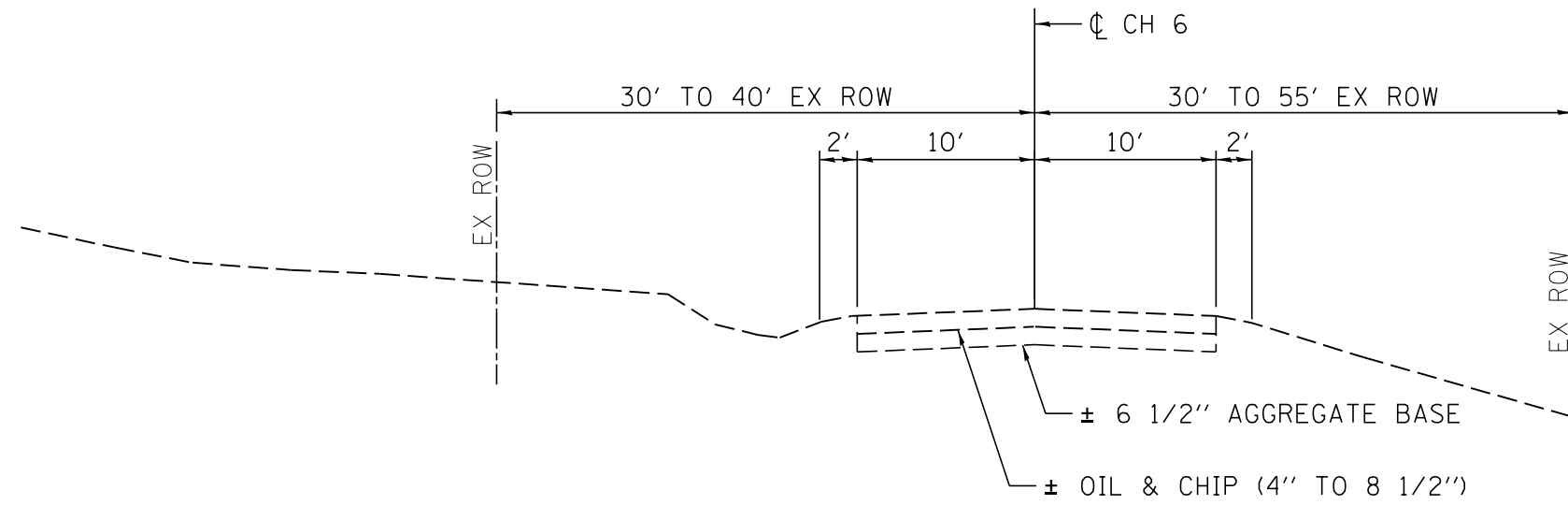
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
750	15-00081-00-RS	CALHOUN	70	6
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				STR FUNDS 80% FEDERAL 20% LOCAL	
				ROADWAY	
				0005	
				RURAL	
67100100	MOBILIZATION	L SUM	1		1
* 70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1		1
* 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
* 70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
Δ * 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
Δ * 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	17		17
Δ * 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	36		36
* LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	30,301		30,301
* LR400870	FULL-DEPTH RECLAMATION, 7.0"	SQ YD	13,773		13,773
* LR403300	SURFACE PROFILE MILLING	SQ YD	13,773		13,773
* X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1		1
* Z0023500	FILLING EXISTING CULVERTS	CU YD	24.4		24.4
# Z0076600	TRAINEES	Hour	500		
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500		

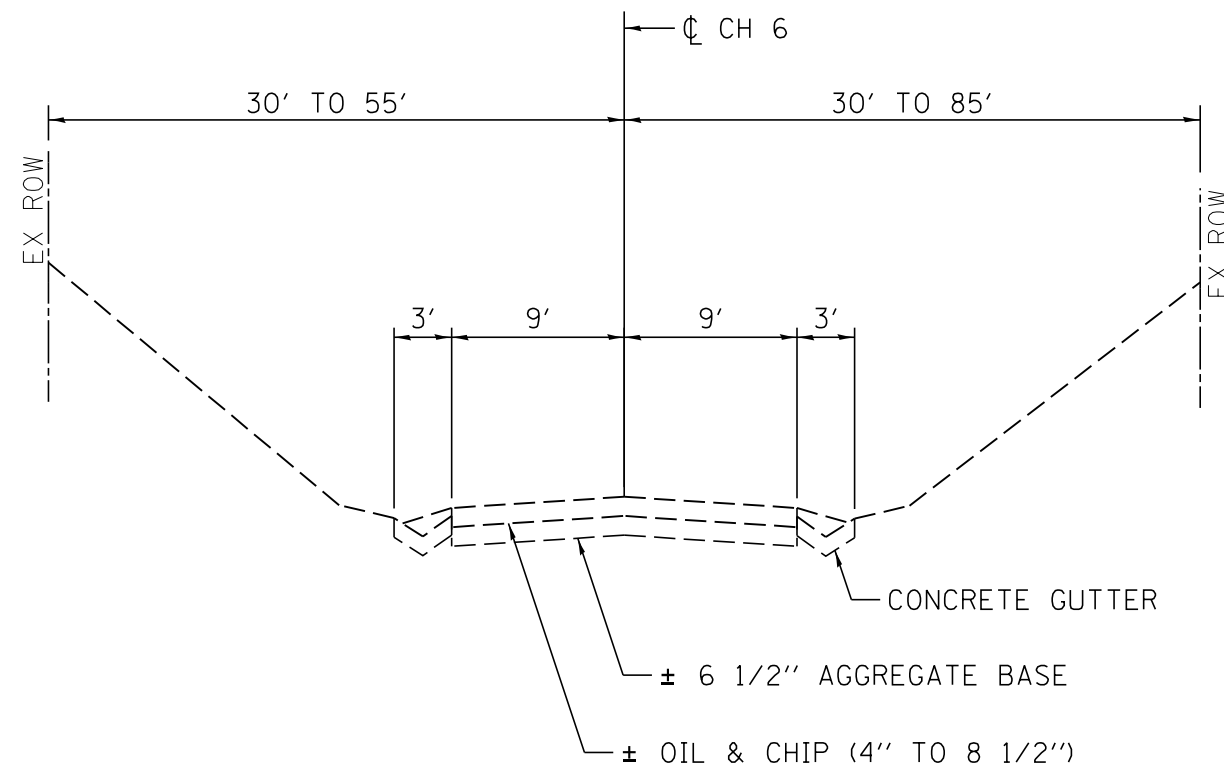
\* SEE SPECIAL PROVISIONS  
Δ SPECIALTY ITEMS # 0042

MODEL: M0001A00000  
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**EXISTING CH 6 TYPICAL CROSS SECTION**

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 STA 646+00.00 TO STA 664+65.00

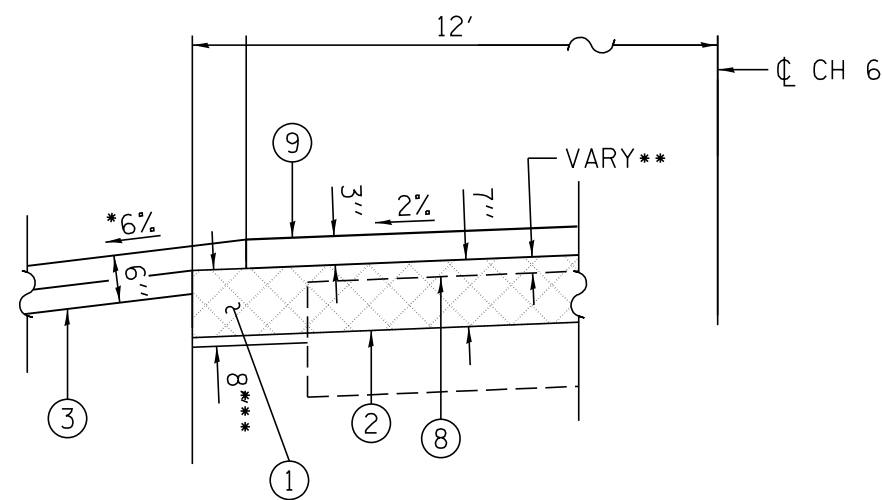


**EXISTING CH 6 TYPICAL CROSS SECTION**

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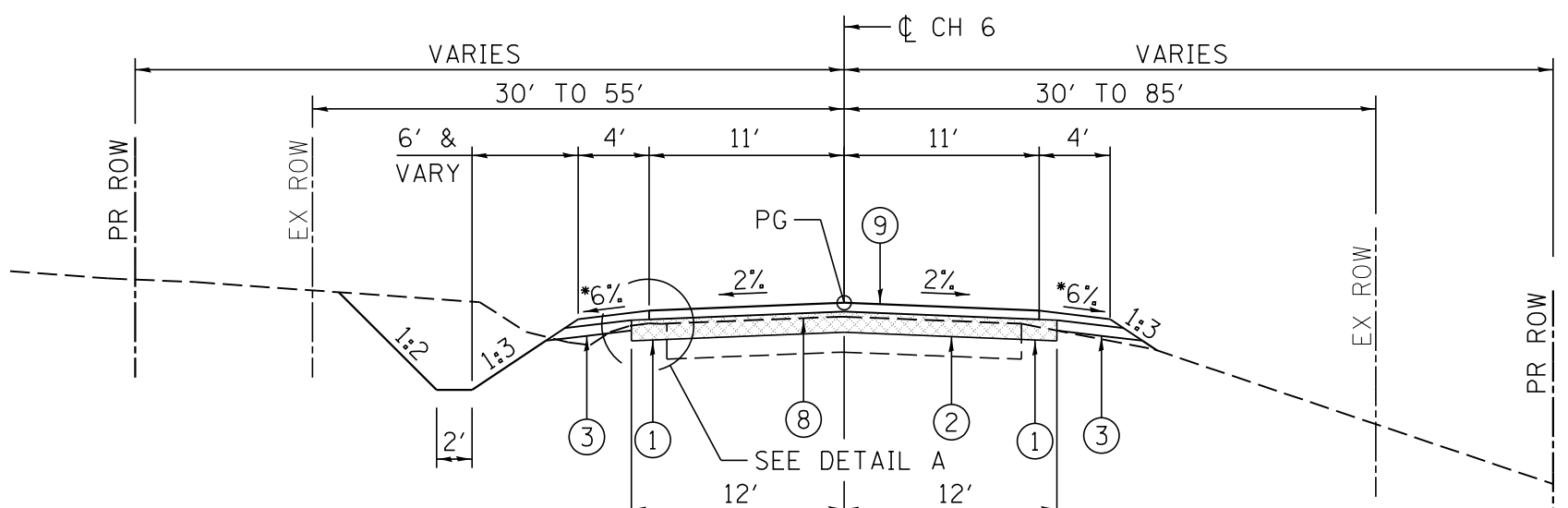


DETAIL A

- \*\*\* AGGREGATE BASE COURSE TYPE B USED TO WIDEN THE EXISTING PAVEMENT SHALL BE 8" THICK
- \*\* VARIABLE THICKNESS GRANULAR EMBANKMENT SPECIAL PLACED ON EXISTING PAVEMENT TO CORRECT PAVEMENT SLOPE PRIOR TO FULL-DEPTH RECLAMATION
- \* FIRST LIFT SHALL BE PLACED PRIOR TO FULL-DEPTH RECLAMATION. TOP LIFT SHALL BE PLACED WITH THE 3" AGGREGATE BASE COURSE LAYER.

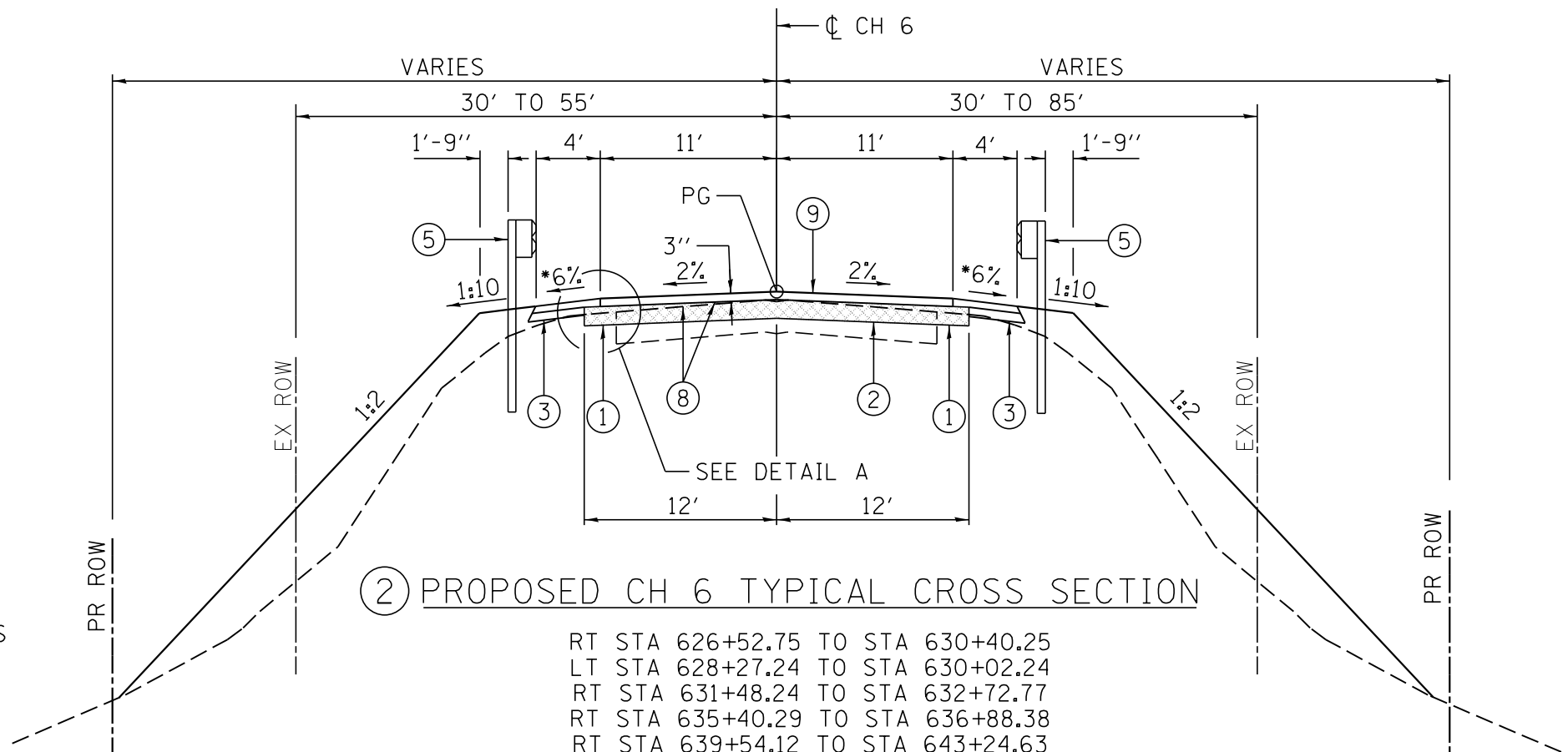
LEGEND

- ① AGGREGATE BASE COURSE, TYPE B 8"
- ② FULL-DEPTH RECLAMATION 7"
- ③ AGGREGATE WEDGE SHOULDER, TYPE B 6"
- ④ CONCRETE GUTTER, TYPE A
- ⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ⑥ GUTTER REMOVAL
- ⑦ PIPE UNDERDRAINS, TYPE 2, 4"
- ⑧ GRANULAR EMBANKMENT, SPECIAL
- ⑨ BITUMINOUS SURFACE TREATMENT, CLASS A3



① PROPOSED CH 6 TYPICAL CROSS SECTION

TRANSITION EXISTING ROADWAY TO PROPOSED ROADWAY STA 611+70.00 TO STA 613+00.00  
 LT & RT STA 613+00.00 TO STA 621+03.81  
 RT STA 626+00.00 TO STA 626+52.75  
 LT STA 630+02.24 TO STA 632+22.31  
 RT STA 630+40.25 TO STA 631+48.24  
 RT STA 632+72.77 TO STA 635+40.29  
 RT STA 636+88.38 TO STA 639+54.12  
 LT STA 640+99.97 TO STA 648+85.49  
 RT STA 643+24.63 TO STA 648+74.60  
 LT STA 649+83.71 TO STA 658+55.05  
 RT STA 649+89.18 TO STA 657+92.95  
 RT STA 659+48.34 TO STA 664+65.00  
 LT STA 660+11.30 TO STA 664+65.00



② PROPOSED CH 6 TYPICAL CROSS SECTION

RT STA 626+52.75 TO STA 630+40.25  
 LT STA 628+27.24 TO STA 630+02.24  
 RT STA 631+48.24 TO STA 632+72.77  
 RT STA 635+40.29 TO STA 636+88.38  
 RT STA 639+54.12 TO STA 643+24.63  
 RT STA 648+74.60 TO STA 649+89.18  
 LT STA 648+85.49 TO STA 649+8371  
 RT STA 657+92.95 TO STA 659+48.34  
 LT STA 658+55.05 TO STA 660+11.30

MODEL Default  
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JOB = 2569  
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 PLOT SCALE = 10,0000' / 1in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 3/30/2020

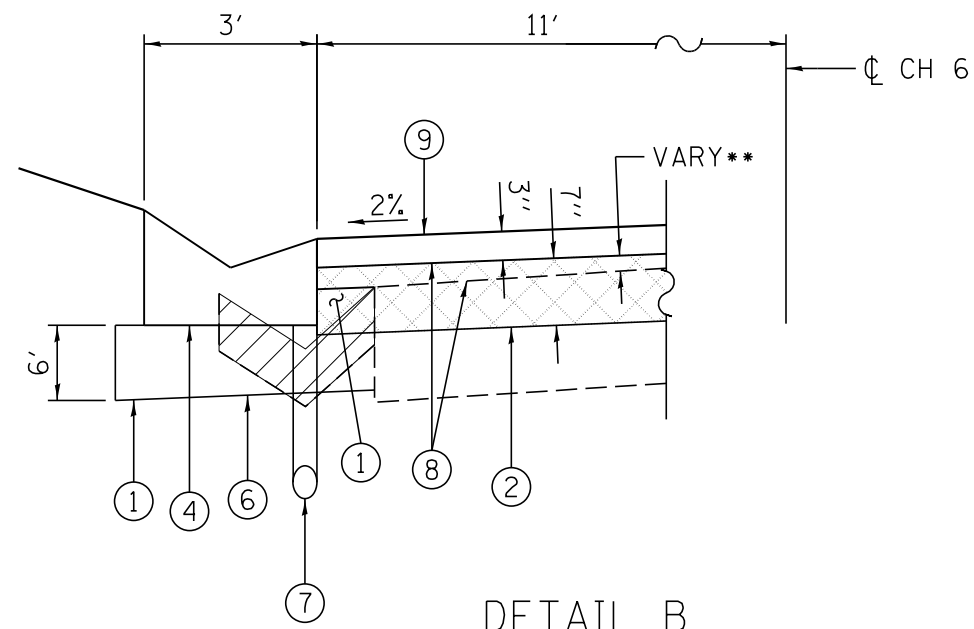
REVISED -  
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CALHOUN COUNTY  
 CH 6 IMPROVEMENTS

TYPICAL CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

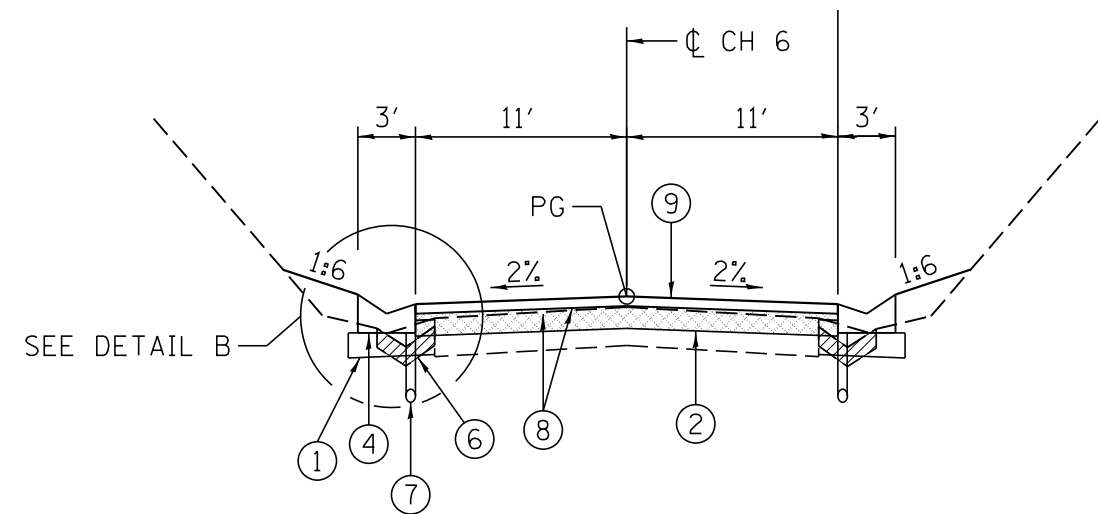
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	9
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



\*\* VARIABLE THICKNESS GRANULAR EMBANKMENT  
SPECIAL PLACED ON EXISTING PAVEMENT TO  
CORRECT PAVEMENT SLOPE PRIOR TO FULL-DEPTH  
RECLAMATION

### LEGEND

- ① AGGREGATE BASE COURSE, TYPE B 6"
- ② FULL-DEPTH RECLAMATION 7"
- ③ AGGREGATE WEDGE SHOULDER, TYPE B 6"
- ④ CONCRETE GUTTER, TYPE A
- ⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ⑥ GUTTER REMOVAL
- ⑦ PIPE UNDERDRAINS, TYPE 2, 4"
- ⑧ GRANULAR EMBANKMENT, SPECIAL
- ⑨ BITUMINOUS SURFACE TREATMENT, CLASS A3



### ③ PROPOSED CH 6 TYPICAL CROSS SECTION

LT STA 621+03.81 TO STA 628+27.24  
LT STA 632+22.31 TO STA 640+99.97  
RT STA 621+03.81 TO STA 626+00.00

MODEL Default  
FILE NAME: 2569-eh1-typical.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh1-typical.dgn  
PLOT SCALE = 10,0000' / 1in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 3/30/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**TYPICAL CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	10
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

**EARTHWORK**

LOCATION		EARTH EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
CH 6					
STA 611+70.00	TO STA 664+65.00	2,805	2,105	2,200	-95
TOTAL		2,805	2,105	2,200	-95

SHRINKAGE = 25%

**TREE REMOVAL**

STA	OFFSET	(6 TO 15 UNITS DIAMETER)	(OVER 15 UNITS DIAMETER)
		UNIT	UNIT
LT 623+85.2	20.3	8	
LT 624+03.7	20.2		18
RT 632+20.4	34.6		18
RT 639+50.6	27.0	8	
RT 639+51.0	25.9	12	
RT 639+69.3	25.8	12	
RT 639+92.8	22.6	14	
RT 640+19.9	24.7	7	
RT 640+44.2	21.7		15
RT 640+50.4	19.5		18
RT 640+51.7	23.2		18
RT 640+72.8	24.8	12	
RT 641+16.3	18.3		36
RT 641+25.2	18.8		36
RT 641+25.2	24.2	8	
RT 641+53.5	18.9		30
RT 641+58.7	20.1		24
RT 641+95.4	18.6		40
RT 642+68.5	24.0		15
RT 642+68.5	21.7		22
RT 642+72.3	20.0		18
RT 643+17.6	24.6		36
RT 643+19.6	26.0	9	
LT 648+90.8	30.3		18
LT 648+90.8	30.3		18
LT 649+77.1	26.7		16
LT 649+83.6	27.1		24
LT 650+09.3	21.6		36
LT 650+21.4	20.2		16
LT 650+26.6	21.8		24
RT 651+28.0	28.2		24
LT 651+83.1	26.9		28
LT 652+06.6	26.1		36
LT 652+15.7	25.4		18
LT 652+18.6	26.8		24
LT 652+67.2	25.9		36
LT 653+62.7	28.8		20
LT 653+63.4	22.8		24
LT 653+69.0	27.9		16
LT 653+87.5	23.8		18
LT 654+06.3	24.3	10	
LT 654+08.6	21.9	12	
LT 659+19.1	18.6		48
TOTAL		112	788

**TEMPORARY EROSION CONTROL SEEDING**

LOCATION	POUND
LT STA 611+70 TO STA 615+56	10
LT STA 615+70 TO STA 620+64	10
LT STA 621+00 TO STA 630+09	13
LT STA 630+44 TO STA 641+22	12
LT STA 641+22 TO STA 644+88	8
LT STA 645+11 TO STA 648+55	10
LT STA 648+67 TO STA 655+62	21
LT STA 655+74 TO STA 658+01	7
LT STA 658+20 TO STA 659+19	1
LT STA 659+36 TO STA 664+65	12
RT STA 611+70 TO STA 615+48	10
RT STA 615+71 TO STA 617+83	6
RT STA 617+95 TO STA 618+51	2
RT STA 618+66 TO STA 626+25	25
RT STA 626+25 TO STA 629+68	13
RT STA 629+84 TO STA 643+17	55
RT STA 643+23 TO STA 643+72	2
RT STA 643+84 TO STA 646+49	14
RT STA 646+69 TO STA 655+76	25
RT STA 655+89 TO STA 658+96	5
RT STA 659+12 TO STA 662+11	4
RT STA 662+23 TO STA 663+06	2
RT STA 663+18 TO STA 664+65	4
TOTAL	271

**TEMPORARY DITCH CHECKS**

LOCATION	FOOT
LT STA 617+75	8
LT STA 643+00	8
LT STA 653+00	8
RT STA 635+50	8
RT STA 638+00	8
RT STA 639+00	8
RT STA 654+00	8
RT STA 657+00	8
RT STA 661+25	8
RT STA 664+65	8
TOTAL	80

**SEEDING**

LOCATION	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	HEAVY DUTY EROSION CONTROL BLANKET
	ACRE	POUND	POUND	POUND	ACRE	SQ YD
LT STA 611+70 TO STA 615+56	0.10	9	9	9	0.10	
LT STA 615+70 TO STA 620+64	0.10	9	9	9	0.10	
LT STA 621+00 TO STA 630+09	0.13	12	12	12	0.07	
LT STA 623+75 TO STA 629+73						304.3
LT STA 630+44 TO STA 641+22	0.12	11	11	11	0.12	
LT STA 641+22 TO STA 644+88	0.08	7	7	7	0.08	
LT STA 645+11 TO STA 648+55	0.10	9	9	9	0.07	
LT STA 646+25 TO STA 647+25						157.8
LT STA 648+67 TO STA 655+62	0.21	19	19	19	0.21	
LT STA 655+74 TO STA 658+01	0.07	6	6	6	0.07	
LT STA 658+20 TO STA 659+19	0.01	1	1	1	0.00	
LT STA 658+72 TO STA 659+17						61.4
LT STA 659+36 TO STA 664+65	0.12	11	11	11	0.11	
LT STA 659+36 TO STA 659+80						52.6
RT STA 611+70 TO STA 615+48	0.10	9	9	9	0.10	
RT STA 615+71 TO STA 617+83	0.06	5	5	5	0.06	
RT STA 617+95 TO STA 618+51	0.02	2	2	2	0.02	
RT STA 618+66 TO STA 626+25	0.25	23	23	23	0.25	
RT STA 626+25 TO STA 629+68	0.13	12	12	12	0.03	
RT STA 626+75 TO STA 629+73						470.4
RT STA 629+84 TO STA 643+17	0.55	50	50	50	0.29	
RT STA 631+14 TO STA 633+00						236.2
RT STA 639+75 TO STA 643+19						1,005.7
RT STA 643+23 TO STA 643+72	0.02	2	2	2	0.02	
RT STA 643+84 TO STA 646+49	0.14	13	13	13	0.14	
RT STA 646+69 TO STA 655+76	0.25	23	23	23	0.24	
RT STA 649+12 TO STA 649+75						61.8
RT STA 655+89 TO STA 659+56	0.05	5	5	5	0.05	
RT STA 659+68 TO STA 662+11	0.04	4	4	4	0.04	
RT STA 662+23 TO STA 663+06	0.02	2	2	2	0.02	
RT STA 663+18 TO STA 664+65	0.04	4	4	4	0.04	
TOTAL	2.71	248	248	248	2.23	2,350.2
USE	2.75				2.25	2,350

**GUTTER REMOVAL**

LOCATION	FOOT
LT STA 614+50.00 TO STA 647+25.00	3,275
RT STA 614+50.00 TO STA 646+00.00	3,150
TOTAL	6,425

**CONCRETE GUTTER, TYPE A**

LOCATION	FOOT
RT STA 621+15.90 TO STA 625+28.00	412.10
LT STA 621+15.90 TO STA 627+64.00	648.10
LT STA 632+34.25 TO STA 640+39.40	805.15
TOTAL	1,865.35
USE	1,865

**CLASS SI CONCRETE (OUTLET)**

LOCATION	CU YD
INLET	
RT STA 621+03.90 TO STA 621+15.90	0.93
LT STA 621+03.90 TO STA 621+15.90	0.93
LT STA 632+22.25 TO STA 632+34.25	0.93
OUTLET	
RT STA 625+28.00 TO STA 626+24.90	8.03
LT STA 627+64.00 TO STA 628+57.70	7.77
LT STA 640+39.40 TO STA 641+24.00	7.05
TOTAL	25.64
USE	25.6

MODEL: Default  
FILE NAME: 2569-ah-Schedules.dgn



JOB = 2569  
FILE NAME = 2569-ah-Schedules.dgn  
PLOT SCALE = 2.0000 ' / in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 11/20/2017

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	11
CONTRACT NO. 97669				
ILLINOIS FED. AID PROJECT				

PERIMETER EROSION BARRIER

LOCATION	FOOT
LT STA 617+75 TO STA 620+00	226
LT STA 627+25 TO STA 629+69	248
LT STA 659+62 TO STA 661+50	189
LT STA 661+62 TO STA 664+65	306
RT STA 619+55 TO STA 621+00	162
RT STA 626+25 TO STA 629+46	323
RT STA 629+50 TO STA 629+68	20
RT STA 629+84 TO STA 632+21	253
RT STA 632+32 TO STA 633+00	81
RT STA 635+50 TO STA 637+00	155
RT STA 639+00 TO STA 641+32	245
RT STA 641+42 TO STA 643+17	190
RT STA 643+83 TO STA 643+93	10
RT STA 644+03 TO STA 646+49	252
RT STA 646+69 TO STA 651+21	451
RT STA 651+31 TO STA 652+00	72
RT STA 658+50 TO STA 658+86	36
RT STA 661+25 TO STA 662+11	88
<b>TOTAL</b>	<b>3,307</b>

INLET AND PIPE PROTECTION

LOCATION	EACH
LT STA 629+20	1
LT STA 631+99	1
LT STA 641+37	1
LT STA 643+96	1
LT STA 644+76	1
LT STA 648+59	1
LT STA 651+25	1
LT STA 655+52	1
LT STA 656+07	1
LT STA 657+92	1
RT STA 612+55	1
RT STA 617+71	1
RT STA 655+66	1
RT STA 661+25	1
RT STA 661+71	1
RT STA 662+23	1
RT STA 663+39	1
<b>TOTAL</b>	<b>17</b>

TRENCH BACKFILL

LOCATION	CU YD
STA 612+54.81	13.20
STA 629+32.62	49.78
STA 632+07.26	11.62
STA 641+36.97	12.72
STA 643+96.63	12.35
STA 651+25.40	12.87
STA 656+17.93	7.15
STA 661+66.02	13.07
<b>TOTAL</b>	<b>132.76</b>
<b>USE</b>	<b>133</b>

CROSS ROAD PIPES

LOCATION	PIPE CULVERTS, CLASS D, TYPE 1				END SECTIONS				STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC
	PIPE CULVERTS, CLASS D, TYPE 1 18"	PIPE CULVERTS, CLASS D, TYPE 1 30"	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 30"	PIPE CULVERTS, CLASS D, TYPE 1 36"	STEEL FLARED END SECTIONS 18"	STEEL FLARED END SECTIONS 30"	STEEL FLARED END SECTIONS EQUIVALENT ROUND SIZE 30"	STEEL FLARED END SECTIONS 36"		
	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	TON	SQ YD
STA 612+54.81	52				2				7.58	11.37
STA 629+32.62				66				2	15.32	22.98
STA 632+07.26		44				2			25.57	38.35
STA 641+36.97		52				2			25.57	38.36
STA 643+96.63		50				2			12.67	19.00
STA 651+25.40		54				2			4.91	7.37
STA 656+17.93			44				2			
STA 661+66.02				48				2	8.12	12.18
<b>TOTAL</b>	<b>52</b>	<b>200</b>	<b>44</b>	<b>114</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>99.74</b>	<b>149.61</b>
<b>USE</b>									<b>* 100</b>	<b>* 150</b>

\* SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITIES

CULVERT EXTENSION

LOCATION	CONCRETE REMOVAL	REINFORCEMENT BARS	BOX CULVERT END SECTIONS, CULVERT NO. 1	EXPANSION BOLTS 3/4 INCH	PRECAST CONCRETE BOX CULVERTS 10' X 6'	CONCRETE COLLAR
	CU YD	POUNDS	EACH	EACH	FOOT	CU YD
LT STA 649+19.75	7.12	395	1	48	12.00	1.9
RT STA 649+19.75	5.27	395	1	48	8.67	1.9
<b>TOTAL</b>	<b>12.39</b>	<b>790</b>	<b>2</b>	<b>96</b>	<b>20.67</b>	<b>3.8</b>
<b>USE</b>	<b>12.4</b>				<b>21</b>	

PIPE CULVERT REMOVAL

LOCATION	TYPE	FOOT
STA 612+54.81	30" CMP	25
STA 629+32.62	24" CMP	19
STA 632+07.26	24" CMP	17
STA 641+36.97	24" CMP	65
STA 643+96.63	15" CMP	70
STA 651+25.40	24" CMP	44
STA 656+17.93	24" CMP	58
STA 661+66.02	36" CMP	28
LT STA 648+62.00	15" CMP	24
LT STA 655+67.00	15" CMP	22
LT STA 658+11.00	15" CMP	36
RT STA 662+17.00	12" CMP	20
LT STA 663+12.00	12" CMP	32
<b>TOTAL</b>		<b>435</b>

FILLING EXISTING CULVERTS

LOCATION	CU YD
STA 629+32.62	
STA 629+32.62	7.3
STA 632+07.26	5.0
STA 641+36.97	5.8
STA 661+66.02	6.3
<b>TOTAL</b>	<b>24.4</b>

UNDERDRAINS

LOCATION	PIPE UNDERDRAINS, TYPE 2, 4"	PIPE UNDERDRAINS 4" (SPECIAL)	CONCRETE HEADWALLS FOR PIPE DRAINS
	FOOT	FOOT	EACH
LT STA 621+03.90 TO STA 628+70.00	766.10		
RT STA 621+03.90 TO STA 626+30.00	526.10		
LT STA 632+22.25 TO STA 641+34.00	911.75		
LT STA 628+70.00		10	1
RT STA 626+30.00		12	1
LT STA 641+34.00		15	1
<b>TOTAL</b>	<b>2,203.95</b>	<b>37</b>	<b>3</b>
<b>USE</b>	<b>2,204</b>		

ENTRANCE CULVERTS

LOCATION	PIPE CULVERTS, CLASS D, TYPE 1 15"	STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC
	FOOT	TON	SQ YD
RT STA 617+84.00 / RT STA 618+70.00	106	58.9	88.3
LT STA 645+00.00	38		
LT STA 648+62.00	24		
LT STA 655+67.00	28		
RT STA 655+82.00	32		
LT STA 658+11.00	38		
RT STA 662+17.00	24		
LT STA 663+12.00	40		
<b>TOTAL</b>	<b>330</b>	<b>58.9</b>	<b>88.3</b>
<b>USE</b>		<b>* 59</b>	<b>* 88</b>

MODEL: Default  
FILE: 2569-ah-2569-ah-Schedules.dgn



JOB = 2569  
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PLOT SCALE = 2.0000 1/In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
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REVISED -  
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REVISED -

CALHOUN COUNTY  
CH 6 IMPROVEMENTS

SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	12
CONTRACT NO. 97669				
ILLINOIS FED. AID PROJECT				

BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	RATE GAL/SQ YD	TON
STA 613+00 TO STA 664+65.00	0.30	15.77
RAMP		
STA 611+70 TO STA 612+25.00	0.30	0.17
MAIL BOX TURNOUTS		
RT STA 615+27.00	0.35	0.06
RT STA 646+86.00	0.35	0.04
RT STA 663+31.00	0.35	0.04
TOTAL		16.08
USE		16.1

SEAL COAT AGGREGATE

LOCATION	RATE LB/SQ YD	TON
STA 613+00 TO STA 664+65.00	25	157.82
RAMP		
STA 611+70 TO STA 612+25.00	25	1.68
MAIL BOX TURNOUTS		
RT STA 615+27.00	25	0.25
RT STA 646+86.00	25	0.19
RT STA 663+31.00	25	0.19
TOTAL		160.13
USE		160

AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	TON
LT STA 611+70.00 TO STA 613+00.00	24.28
LT STA 613+00.00 TO STA 615+43.52	45.48
LT STA 615+43.52 TO STA 620+57.18	89.28
LT STA 620+57.18 TO STA 630+03.03	30.82
LT STA 630+03.03 TO STA 632+22.22	32.16
LT STA 641+03.27 TO STA 644+76.51	69.71
LT STA 645+13.94 TO STA 648+55.91	63.87
LT STA 648+55.91 TO STA 655+51.82	124.95
LT STA 655+51.82 TO STA 657+92.68	39.99
LT STA 658+30.51 TO STA 664+65.00	118.51
RT STA 611+70.00 TO STA 613+00.00	24.28
RT STA 613+00.00 TO STA 615+09.30	39.09
RT STA 615+09.30 TO STA 617+71.11	35.01
RT STA 617+71.11 TO STA 618+46.93	9.43
RT STA 618+46.93 TO STA 621+03.75	42.41
RT STA 621+03.75 TO STA 643+33.75	323.46
RT STA 643+33.75 TO STA 646+37.83	45.80
RT STA 646+37.83 TO STA 655+67.14	162.67
RT STA 655+67.14 TO STA 659+49.64	65.67
RT STA 659+49.64 TO STA 662+06.05	43.22
RT STA 662+06.05 TO STA 662+99.19	13.24
RT STA 662+99.19 TO STA 664+65.00	23.06
TOTAL	1,466.39
USE	1,470

BITUMINOUS MATERIALS (COVER AND SEAL COATS)

LOCATION	RATE GAL/SQ YD	TON
COVER COAT (2 APPLICATIONS)		
STA 613+00 TO STA 664+65.00	0.25	26.28
RAMP		
STA 611+70 TO STA 612+25.00	0.25	0.28
MAIL BOX TURNOUTS		
RT STA 615+27.00	0.25	0.04
RT STA 646+86.00	0.25	0.04
RT STA 663+31.00	0.25	0.04
SEAL COAT		
STA 613+00 TO STA 664+65.00	0.35	18.40
STA 611+70 TO STA 612+25.00	0.35	0.20
MAIL BOX TURNOUTS		
RT STA 615+27.00	0.35	0.06
RT STA 646+86.00	0.35	0.04
RT STA 663+31.00	0.35	0.04
TOTAL		45.42
USE		45.4

GRANULAR EMBANKMENT, SPECIAL

LOCATION	TON
AGGREGATE PLACED ON EXISTING PAVEMENT	
STA 613+00 TO STA 664+65.00	1,904.84
AGGREGATE PLACED ON RECYCLED PAVEMENT	
STA 613+00 TO STA 664+65.00	2,156.87
RAMP	
STA 611+70 TO STA 612+25.00	36.75
TOTAL	4,098.46
USE	4,098

HMA SURFACE REMOVAL - BUTT JOINT

LOCATION	WIDTH	SQ YD
STA 611+70 TO STA 612+25.00	22	134.44
TOTAL		134.44
USE		134

TEMPORARY RAMP

LOCATION	WIDTH	SQ YD
STA 611+70 TO STA 611+80.00	22	24.44
TOTAL		24.44
USE		25

CIR-FDR EMULSIFIED ASPHALT

LOCATION	GALLON
STA 613+00 TO STA 664+65.00	30,301.33
TOTAL	30,301.33
USE	30,301

FULL-DEPTH RECLAMATION, 7.0"

LOCATION	SQ YD
STA 613+00 TO STA 664+65.00	13,773.33
TOTAL	13,773.33
USE	13,773

SURFACE PROFILE MILLING

LOCATION	SQ YD
STA 613+00 TO STA 664+65.00	13,773.33
TOTAL	13,773.33
USE	13,773

COVER COAT AGGREGATE

LOCATION	RATE LB/SQ YD	TON
(2 APPLICATIONS)		
STA 613+00 TO STA 664+65.00	25	315.64
RAMP		
STA 611+70 TO STA 612+25.00	25	3.36
MAIL BOX TURNOUTS		
RT STA 615+27.00	25	0.50
RT STA 646+86.00	25	0.38
RT STA 663+31.00	25	0.38
TOTAL		320.26
USE		320

AGGREGATE BASE COURSE, TYPE B

LOCATION	TON
PAVEMENT WIDENING	
LT STA 613+00.00 TO STA 664+65.00	522.9
RT STA 613+00.00 TO STA 664+65.00	522.9
AGGREGATE UNDER GUTTER	
RT STA 621+15.90 TO STA 625+28.00	54.8
LT STA 621+15.90 TO STA 627+64.00	86.1
LT STA 632+34.25 TO STA 640+39.40	107.0
AGGREGATE AT CROSS ROAD CULVERTS	
STA 612+54.81	6.9
STA 629+32.62	11.1
STA 632+07.26	7.2
STA 641+36.97	6.4
STA 643+96.63	6.9
STA 651+25.40	7.3
STA 656+17.93	7.9
STA 661+66.02	7.6
TOTAL	1,354.95
USE	1,355

MODEL: Default  
FILE: Model: 2569-ah-Schedules.dgn



JOB = 2569  
FILE NAME = 2569-ah-Schedules.dgn  
PLOT SCALE = 2.0000 1/In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 3/30/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

CALHOUN COUNTY  
CH 6 IMPROVEMENTS

SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	13
CONTRACT NO. 97669				
ILLINOIS FED. AID PROJECT				

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

LOCATION	FOOT
RT STA 627+02.75 TO STA 629+90.25	287.5
LT STA 628+77.24 TO STA 629+52.24	75.0
RT STA 631+98.24 TO STA 632+22.77	25.0
RT STA 635+90.29 TO STA 636+38.38	50.0
RT STA 640+04.12 TO STA 642+74.63	275.0
LT STA 659+05.05 TO STA 659+17.55	12.5
LT STA 659+36.30 TO STA 659+61.30	25.0
RT STA 658+42.95 TO STA 658+92.95	50.0
RT STA 659+11.70 TO STA 659+48.34	37.5
<b>TOTAL</b>	<b>837.5</b>

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	EACH
RT STA 626+52.75 TO STA 627+02.75	1
RT STA 629+90.25 TO STA 630+40.25	1
LT STA 628+27.24 TO STA 628+77.24	1
LT STA 629+52.24 TO STA 630+02.24	1
RT STA 631+48.24 TO STA 631+98.24	1
RT STA 632+22.77 TO STA 632+72.77	1
RT STA 635+40.29 TO STA 635+90.29	1
RT STA 636+38.38 TO STA 636+88.38	1
RT STA 639+54.12 TO STA 640+04.12	1
RT STA 642+74.63 TO STA 643+24.63	1
RT STA 648+74.60 TO STA 649+25.55	1
RT STA 649+38.25 TO STA 649+89.18	1
LT STA 648+85.49 TO STA 649+34.60	1
LT STA 649+34.60 TO STA 649+83.71	1
RT STA 657+92.95 TO STA 658+42.95	1
LT STA 658+55.05 TO STA 659+05.05	1
LT STA 659+61.30 TO STA 660+11.30	1
<b>TOTAL</b>	<b>17</b>

FURNISHING AND ERECTING RIGHT OF WAY MARKERS

LOCATION	EACH
30' RT STA 636+50.00	1
40' RT STA 636+50.00	1
40' RT STA 640+00.00	1
70' RT STA 641+00.00	1
70' RT STA 641+70.00	1
54.3' RT STA 641+70.00	1
50' RT STA 643+36.55	1
50' RT STA 643+76.37	1
50' RT STA 645+00.00	1
30' RT STA 646+00.00	1
<b>TOTAL</b>	<b>10</b>

TERMINAL MARKER - DIRECT APPLIED

LOCATION	EACH
RT STA 626+52.75	1
RT STA 630+40.25	1
LT STA 628+27.24	1
LT STA 630+02.24	1
RT STA 631+48.24	1
RT STA 632+72.77	1
RT STA 635+40.29	1
RT STA 636+88.38	1
RT STA 639+54.12	1
RT STA 643+24.63	1
RT STA 648+74.60	1
RT STA 649+89.18	1
LT STA 648+85.49	1
LT STA 649+83.71	1
RT STA 657+92.95	1
LT STA 658+55.05	1
LT STA 660+11.30	1
<b>TOTAL</b>	<b>17</b>

GUARDRAIL REFLECTORS, TYPE A

LOCATION	EACH
RT STA 627+02.75 TO STA 629+90.25	4
LT STA 628+77.24 TO STA 629+52.24	4
RT STA 631+98.24 TO STA 632+22.77	4
RT STA 635+90.29 TO STA 636+38.38	4
RT STA 640+04.12 TO STA 642+74.63	4
LT STA 659+05.06 TO STA 659+17.55	4
LT STA 659+36.30 TO STA 659+61.30	4
RT STA 658+42.95 TO STA 658+92.95	4
RT STA 659+11.70 TO STA 659+48.34	4
<b>TOTAL</b>	<b>36</b>

GUARDRAIL REMOVAL

LOCATION	FOOT
LT STA 628+27.24 TO STA 630+03.50	175.0
LT STA 648+85.58 TO STA 649+61.87	75.0
LT STA 659+04.57 TO STA 659+82.71	75.0
RT STA 626+52.75 TO STA 630+03.97	350.0
RT STA 631+48.24 TO STA 632+74.01	125.0
RT STA 635+40.29 TO STA 636+90.03	150.0
RT STA 639+54.41 TO STA 643+24.20	375.0
RT STA 648+74.60 TO STA 649+86.52	112.5
RT STA 658+51.63 TO STA 659+29.45	75.0
<b>TOTAL</b>	<b>1,512.5</b>
<b>USE</b>	<b>1,513</b>

ENTRANCES AND MAIL BOX TURNOUTS

LOCATION	LENGTH "L"	WIDTH "W"	TYPE	AGGREGATE SURFACE COURSE, TYPE B
	FOOT	FOOT		TON
LT STA 615+59.00	21.0	14	AGGREGATE PE	20.27
RT STA 615+59.00	17.0	24	AGGREGATE CE	32.93
RT STA 615+27.00			MAIL BOX TURNOUT	6.71
RT STA 617+84.00	19.0	12	AGGREGATE PE	13.22
RT STA 618+62.00	18.7	15	AGGREGATE PE	15.94
LT STA 620+79.00	11.0	29	AGGREGATE PE	16.77
LT STA 630+27.00	21.7	35	EARTH FE	35.25
RT STA 643+63.00	29.6/39.0	2-15	AGGREGATE PE	54.60
LT STA 645+00.00	22.5	22	AGGREGATE PE	24.62
RT STA 646+67.00	18.3	20	AGGREGATE PE	23.64
RT STA 646+86.00			MAIL BOX TURNOUT	3.64
LT STA 648+62.00	27.7	12	AGGREGATE PE	18.97
LT STA 655+67.00	18.5	12	AGGREGATE PE	14.81
RT STA 655+82.00	19.5	12	AGGREGATE PE	14.79
LT STA 657+11.00	21.7	19	AGGREGATE PE	24.01
RT STA 659+62.00	16.0	12	AGGREGATE PE	11.68
RT STA 662+17.00	19.6	12	AGGREGATE PE	12.05
RT STA 663+12.00	20.3	12	AGGREGATE PE	15.21
RT STA 663+31.00			MAIL BOX TURNOUT	3.54
<b>TOTAL</b>				<b>362.65</b>
<b>USE</b>				<b>363</b>

STRONG POST GUARDRAIL ATTACHED TO CULVERT

LOCATION	FOOT
RT STA 649+25.55 TO STA 649+38.25	12.5
<b>TOTAL</b>	<b>12.5</b>

WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I

LOCATION	FOOT
RT STA 658+92.95 TO STA 659+11.70	18.75
LT STA 659+17.35 TO STA 659+36.30	18.75
<b>TOTAL</b>	<b>37.50</b>
<b>USE</b>	<b>37.5</b>

MODEL: Default  
FILE: Model: 2569-ht-Schedules.dgn



JOB = 2569  
FILE NAME = 2569-ht-Schedules.dgn  
PLOT SCALE = 2.0000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 11/20/2017

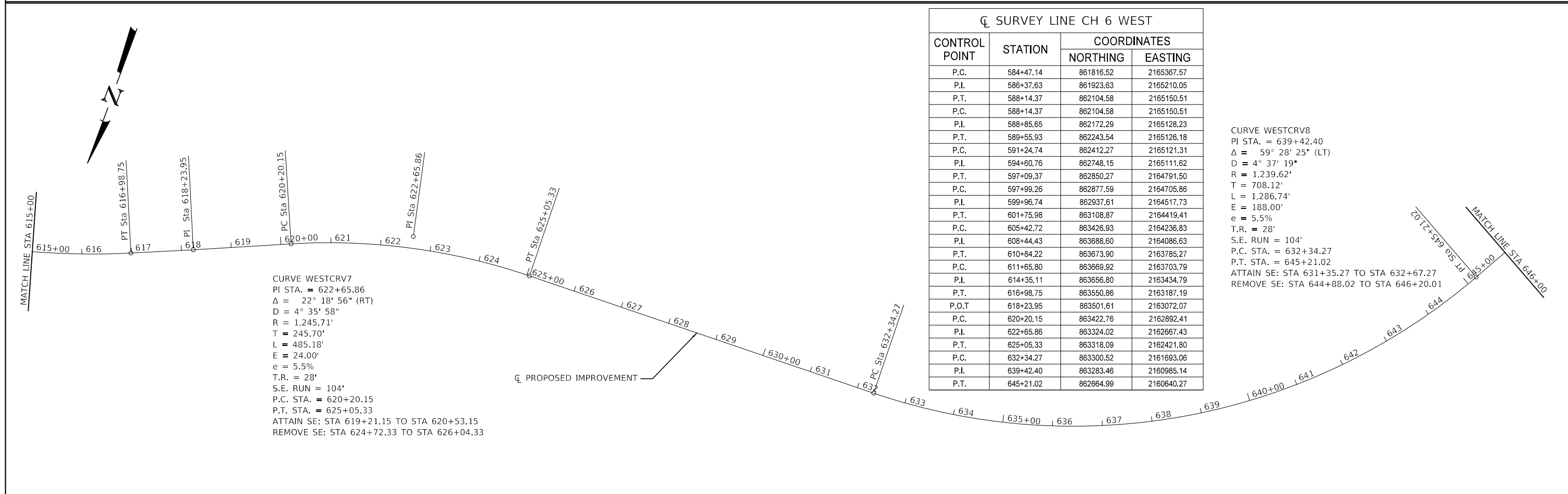
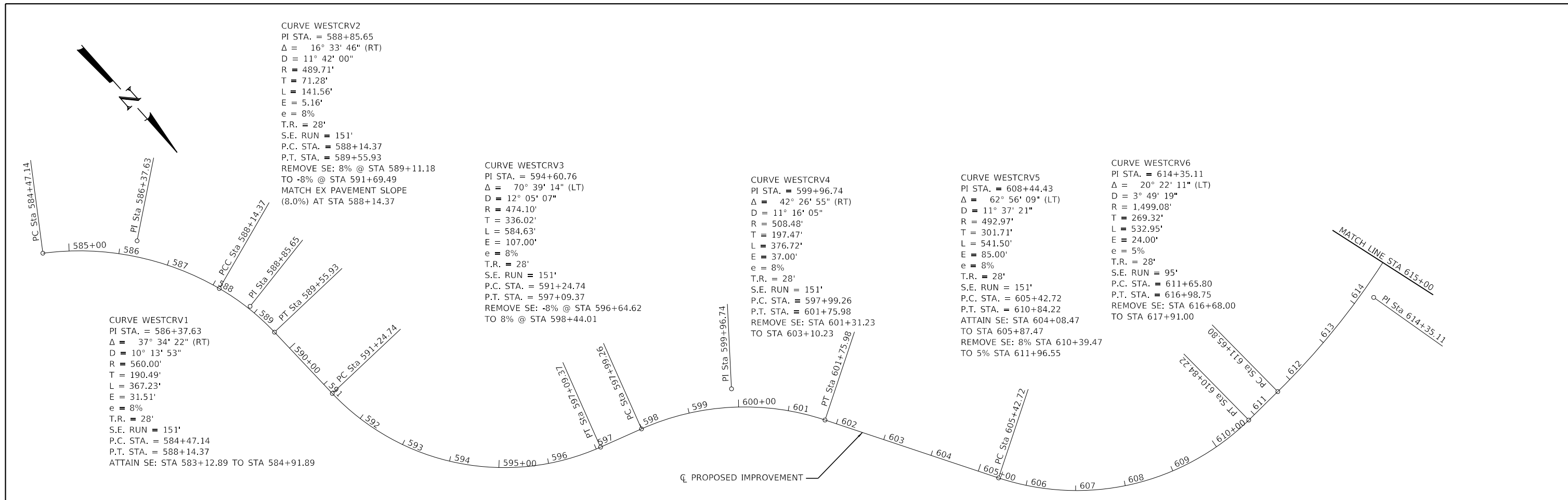
REVISED -  
REVISED -  
REVISED -  
REVISED -

CALHOUN COUNTY  
CH 6 IMPROVEMENTS

SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	14
CONTRACT NO. 97669				
ILLINOIS		FED. AID PROJECT		



☐ SURVEY LINE CH 6 WEST

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.C.	584+47.14	861816.52	2165367.57
P.I.	586+37.63	861923.63	2165210.05
P.T.	588+14.37	862104.58	2165150.51
P.C.	588+14.37	862104.58	2165150.51
P.I.	588+85.65	862172.29	2165128.23
P.T.	589+55.93	862243.54	2165126.18
P.C.	591+24.74	862412.27	2165121.31
P.I.	594+60.76	862748.15	2165111.62
P.T.	597+09.37	862850.27	2164791.50
P.C.	597+09.37	862877.59	2164705.86
P.I.	599+96.74	862937.61	2164517.73
P.T.	601+75.98	863108.87	2164419.41
P.C.	605+42.72	863426.93	2164236.83
P.I.	608+44.43	863688.60	2164086.63
P.T.	610+84.22	863673.90	2163785.27
P.C.	611+65.80	863669.92	2163703.79
P.I.	614+35.11	863656.80	2163434.79
P.T.	616+98.75	863550.86	2163187.19
P.O.T	618+23.95	863501.61	2163072.07
P.C.	620+20.15	863422.76	2162892.41
P.I.	622+65.86	863324.02	2162667.43
P.T.	625+05.33	863318.09	2162421.80
P.C.	632+34.27	863300.52	2161693.06
P.I.	639+42.40	863283.46	2160985.14
P.T.	645+21.02	862664.99	2160640.27

CURVE WESTCRV8  
 PI STA. = 639+42.40  
 $\Delta = 59^\circ 28' 25''$  (LT)  
 $D = 4^\circ 35' 58''$   
 $R = 1,239.62'$   
 $T = 708.12'$   
 $L = 1,286.74'$   
 $E = 188.00'$   
 $e = 5.5\%$   
 $T.R. = 28'$   
 $S.E. RUN = 104'$   
 $P.C. STA. = 632+34.27$   
 $P.T. STA. = 645+21.02$   
 ATTAIN SE: STA 631+35.27 TO STA 632+67.27  
 REMOVE SE: STA 644+88.02 TO STA 646+20.01

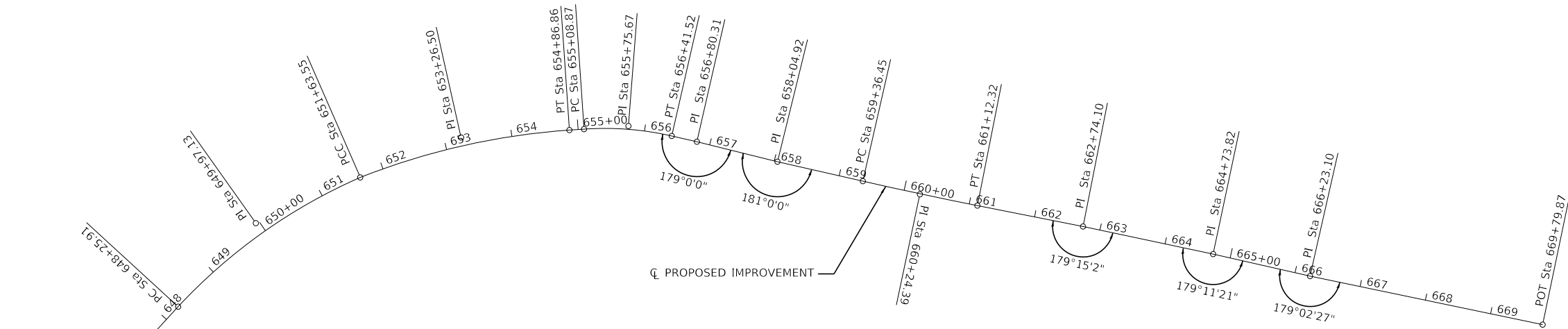


JOB = 2569	DESIGNED - NAK	REVISED -
FILE NAME = 2569-shr-011.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/30/2020	DATE -	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

ALIGNMENT AND BENCH MARKS				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.S. RTE. 756	SECTION 15-00081-00-RS	COUNTY CALHOUN	TOTAL SHEETS 70	SHEET NO. 15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 97699		



EXIST. CURVE WESTCRV9  
 PI STA. = 649+97.13  
 $\Delta = 23^\circ 26' 44''$  (RT)  
 $D = 6^\circ 56' 38''$   
 $R = 825.12'$   
 $T = 171.22'$   
 $L = 337.64'$   
 $E = 17.58'$   
 $e = 7\%$   
 $T.R. = 28'$   
 $S.E. RUN = 132'$   
 $P.C. STA. = 648+25.91$   
 $P.T. STA. = 651+63.55$   
 ATTAIN SE: STA 647+05.91 TO STA 648+65.91  
 CHANGE SE: 7% STA 651+54.09 TO 6% STA 651+73.01

EXIST. CURVE WESTCRV10  
 PI STA. = 653+26.50  
 $\Delta = 17^\circ 40' 58''$  (RT)  
 $D = 5^\circ 28' 10''$   
 $R = 1,047.58'$   
 $T = 162.95'$   
 $L = 323.31'$   
 $E = 12.60'$   
 $e = 6\%$   
 $T.R. = 28'$   
 $S.E. RUN = 114'$   
 $P.C. STA. = 651+63.55$   
 $P.T. STA. = 654+86.86$   
 CHANGE SE: 6% STA 654+80.49 TO 8% STA 655+18.33

EXIST. CURVE WESTCRV11  
 PI STA. = 655+75.67  
 $\Delta = 16^\circ 46' 47''$  (RT)  
 $D = 12^\circ 38' 57''$   
 $R = 452.96'$   
 $T = 66.81'$   
 $L = 132.65'$   
 $E = 4.90'$   
 $e = 8\%$   
 $T.R. = 28'$   
 $S.E. RUN = 151'$   
 $P.C. STA. = 655+08.87$   
 $P.T. STA. = 656+41.52$   
 REMOVE SE: STA 655+96.77 TO STA 657+75.77

PROP. CURVE CLCONSTCRV1  
 PI STA. = 660+24.39  
 $\Delta = 1^\circ 40' 46''$  (LT)  
 $D = 0^\circ 57' 18''$   
 $R = 6,000.00'$   
 $T = 87.94'$   
 $L = 175.87'$   
 $E = 0.64'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 659+36.45$   
 $P.T. STA. = 661+12.32$

- BM#1 - TOP POINT R.O.W. MARKER  
28' RT STA. 515+18  
ELEV. 455.51
- BM#2 - MAG NAIL IN TOP OF 24"  $\emptyset$  CMP  
25' LT STA. 521+78  
ELEV. 458.31
- BM#3 - MAG SPIKE IN POWER POLE  
28' RT STA. 525+88  
ELEV. 462.59
- BM#4 - MAG SPIKE IN POWER POLE  
30' RT STA. 533+30  
ELEV. 468.17
- BM#5 - MAG NAIL IN TOP OF 15"  $\emptyset$  CMP  
21' RT STA. 540+73  
ELEV. 470.88
- BM#6 - MAG NAIL IN TOP OF 15"  $\emptyset$  CMP  
22' RT STA. 545+90  
ELEV. 475.17
- BM#7 - MAG SPIKE IN POWER POLE  
29' LT STA. 552+03  
ELEV. 477.84
- BM#8 - CUT "□" ON CONCRETE HEADWALL  
16' RT STA. 558+17  
ELEV. 482.92
- BM#9 - MAG SPIKE IN 24"  $\emptyset$  TREE  
28' RT STA. 564+28  
ELEV. 491.54
- BM#10 - MAG NAIL IN TOP OF 30"  $\emptyset$  CMP  
16' LT STA. 571+11  
ELEV. 507.64
- BM#11 - CUT "□" ON CONCRETE HEADWALL  
13' LT STA. 576+99  
ELEV. 526.88

- BM#12 - TOP OF GUTTER @ CUT "A"  
23' RT STA. 591+26  
ELEV. 625.57
- BM#13 - CUT "A" IN TOP OF GUARDRAIL POST  
18' LT STA. 595+46  
ELEV. 660.06
- BM#14 - TOP OF GUTTER @ CUT "A"  
13' RT STA. 599+58  
ELEV. 691.27
- BM#15 - CUT "A" IN TOP OF GUARDRAIL POST  
24' LT STA. 603+66  
ELEV. 724.47
- BM#16 - 3/4"  $\emptyset$  IRON PIN  
20' RT STA. 609+57  
ELEV. 770.01
- BM#17 - MAG NAIL IN TOP OF CMP  
18' RT STA. 612+54  
ELEV. 772.28
- BM#18 - TOP OF GUTTER @ CUT "A"  
12' RT STA. 620+06  
ELEV. 748.22
- BM#19 - CUT "A" IN TOP OF GUARDRAIL POST  
18' RT STA. 626+66  
ELEV. 696.98
- BM#20 - MAG SPIKE IN POWER POLE  
39' RT STA. 630+64  
ELEV. 662.89
- BM#21 - MAG SPIKE IN POWER POLE  
36' RT STA. 635+26  
ELEV. 644.44
- BM#22 - CUT "A" IN TOP OF GUARDRAIL POST  
20' RT STA. 639+62  
ELEV. 624.28

- BM#23 - MAG NAIL IN TOP OF CMP  
23' LT STA. 643+96  
ELEV. 596.22
- BM#24 - CUT "□" ON CONCRETE HEADWALL  
21' LT STA. 649+13  
ELEV. 580.51
- BM#25 - S.E. CAP BOLT ON TOP OF FIRE HYDRANT  
21' LT STA. 649+13  
ELEV. 582.59
- BM#26 - CUT "□" ON CONCRETE HEADWALL  
18' RT STA. 659+11  
ELEV. 566.40
- BM#27 - N.E. CAP BOLT ON TOP OF FIRE HYDRANT  
22' LT STA. 669+09  
ELEV. 578.09

CL PROPOSED IMPROVEMENT CH 6 WEST			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.C.	648+25.91	862398.70	2160491.78
P.I.	649+97.13	862249.72	2160407.40
P.T.	651+63.55	862146.62	2160270.70
P.C.	651+63.55	862146.62	2160270.70
P.I.	653+26.50	862053.26	2160137.15
P.T.	654+86.86	862004.88	2159981.55
P.C.	655+08.87	861998.34	2159960.53
P.I.	655+75.67	861978.51	2159896.74
P.T.	656+41.52	861977.93	2159829.94
P.O.T.	656+80.31	861977.60	2159791.15
P.I.	658+04.92	861978.70	2159666.55
P.C.	659+36.45	861977.57	2159535.02
P.I.	660+24.39	861976.82	2159447.09
P.T.	661+12.32	861973.49	2159359.21
P.I.	662+74.10	861967.36	2159197.54
P.I.	664+73.82	861962.40	2158997.88
P.I.	666+23.10	861960.81	2158848.61
P.O.T.	669+79.87	861951.03	2158491.98



JOB = 2569  
 FILE NAME = 2569-shr-ah1.dgn  
 PLOT SCALE = 200.0000' / in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**



**ALIGNMENT AND BENCH MARKS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 97699	

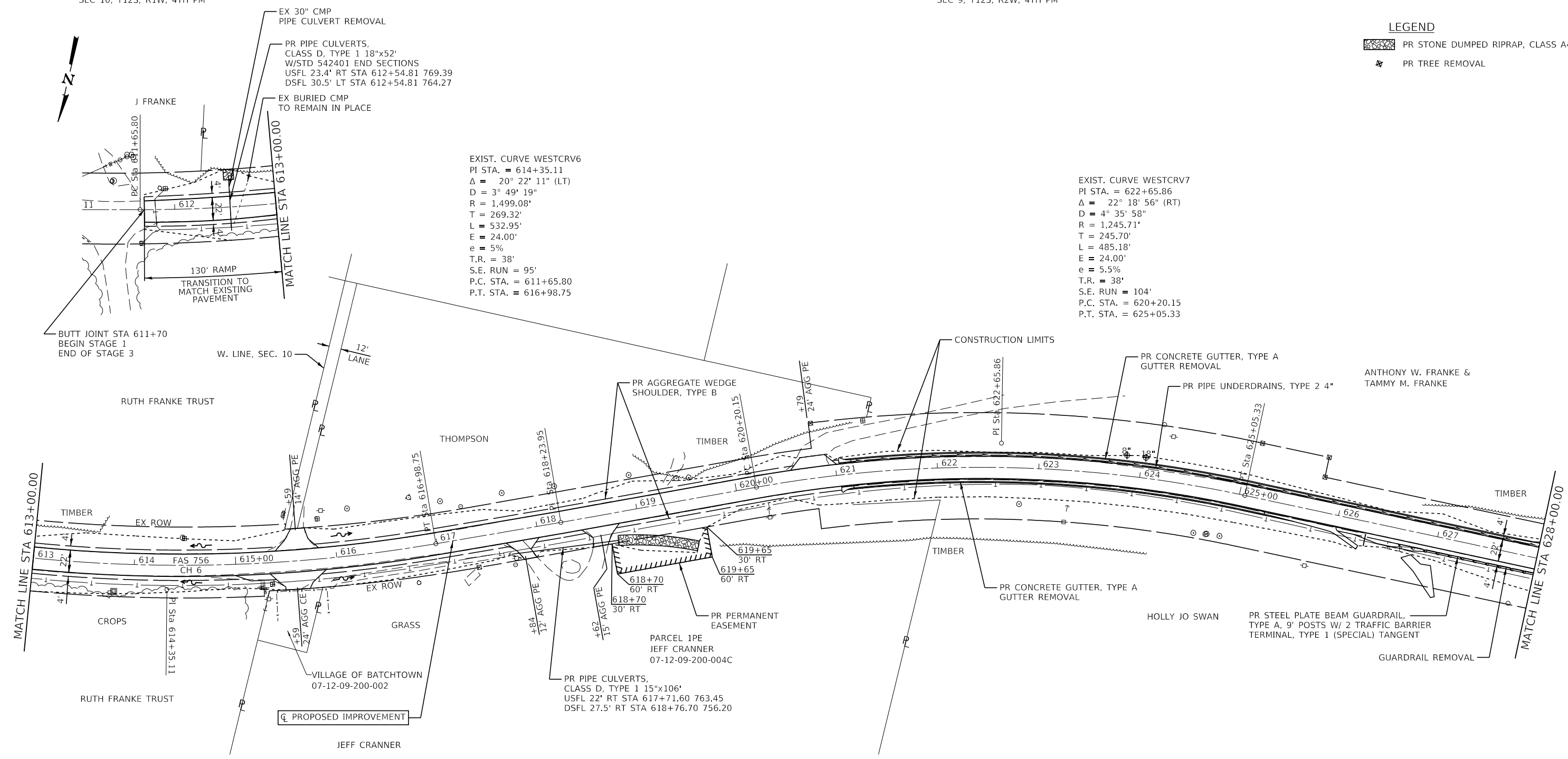


LEGEND

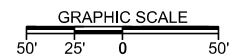
-  PR STONE DUMPED RIPRAP, CLASS A4
-  PR TREE REMOVAL

EXIST. CURVE WESTCRV6  
 PI STA. = 614+35.11  
 $\Delta = 20^\circ 22' 11''$  (LT)  
 $D = 3^\circ 49' 19''$   
 $R = 1,499.08'$   
 $T = 269.32'$   
 $L = 532.95'$   
 $E = 24.00'$   
 $e = 5\%$   
 $T.R. = 38'$   
 $S.E. RUN = 95'$   
 $P.C. STA. = 611+65.80$   
 $P.T. STA. = 616+98.75$

EXIST. CURVE WESTCRV7  
 PI STA. = 622+65.86  
 $\Delta = 22^\circ 18' 56''$  (RT)  
 $D = 4^\circ 35' 58''$   
 $R = 1,245.71'$   
 $T = 245.70'$   
 $L = 485.18'$   
 $E = 24.00'$   
 $e = 5.5\%$   
 $T.R. = 38'$   
 $S.E. RUN = 104'$   
 $P.C. STA. = 620+20.15$   
 $P.T. STA. = 625+05.33$



ANTHONY W. FRANKE & TAMMY M. FRANKE



MODEL: Default  
FILE NAME: 2569-shl-plan\_west1.dgn

**CEC** Cummins Engineering Corporation  
 Civil and Structural Engineering

JOB = 2569  
 FILE NAME = 2569-shl-plan\_west1.dgn  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 3/30/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

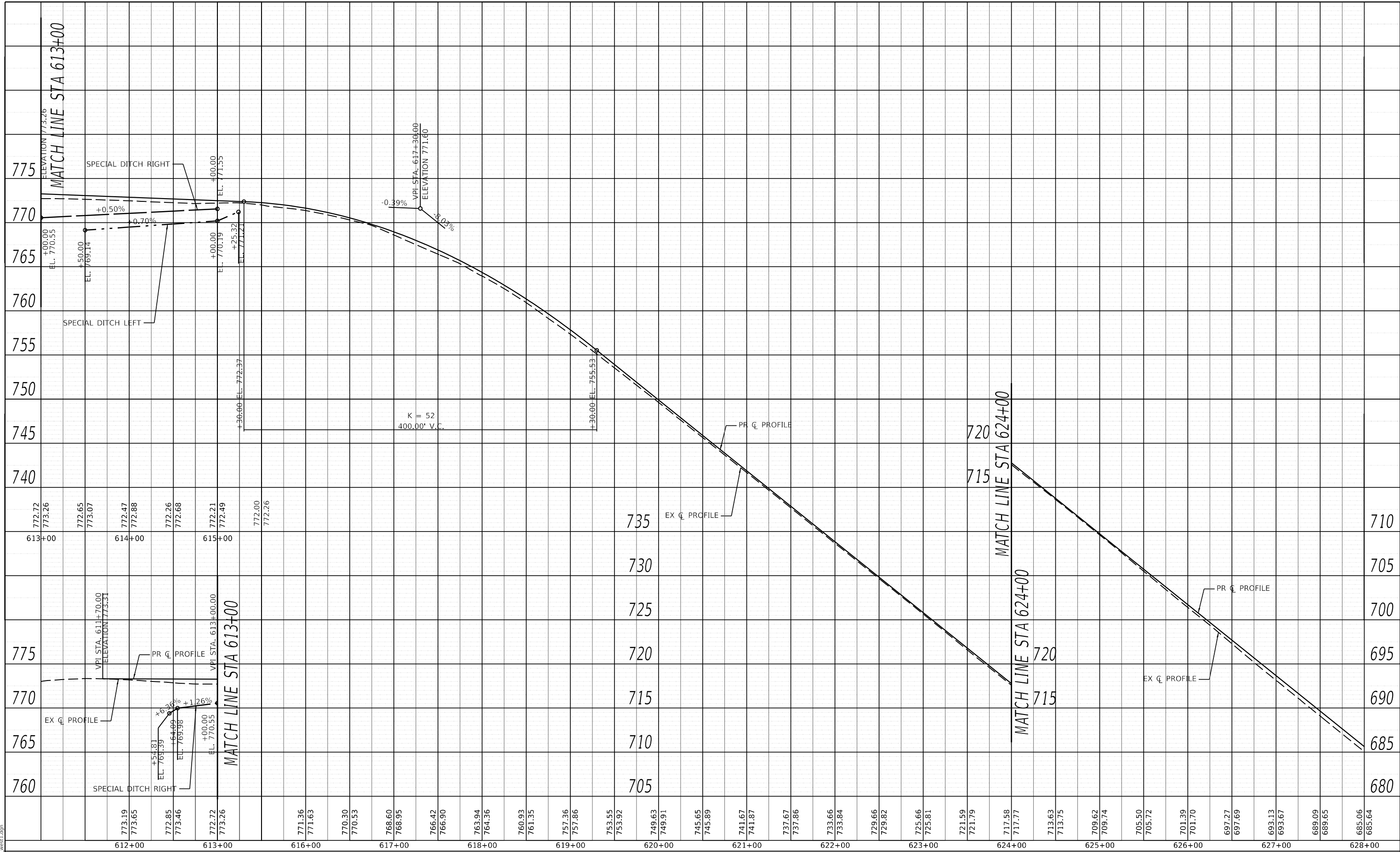
**PLAN**

SCALE: 50 SHEET OF SHEETS STA. 628+00.00 TO STA. 652+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	17
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



MODEL: Default  
FILE NAME: 2569-sh-profile\_west1.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB # 2569  
FILE NAME = 2569-sh-profile\_west1.dgn  
PLOT SCALE = 100,0000 1/in.  
PLOT DATE = 3/30/2020

DESIGNED -	NAK	REVISED -	
DRAWN -	SJS	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	8/7/2018	REVISED -	




**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

SCALE: 50		SHEET OF SHEETS		STA. 613+00.00 TO STA. 628+00.00	
-----------	--	-----------------	--	----------------------------------	--

**PROFILE**

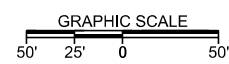
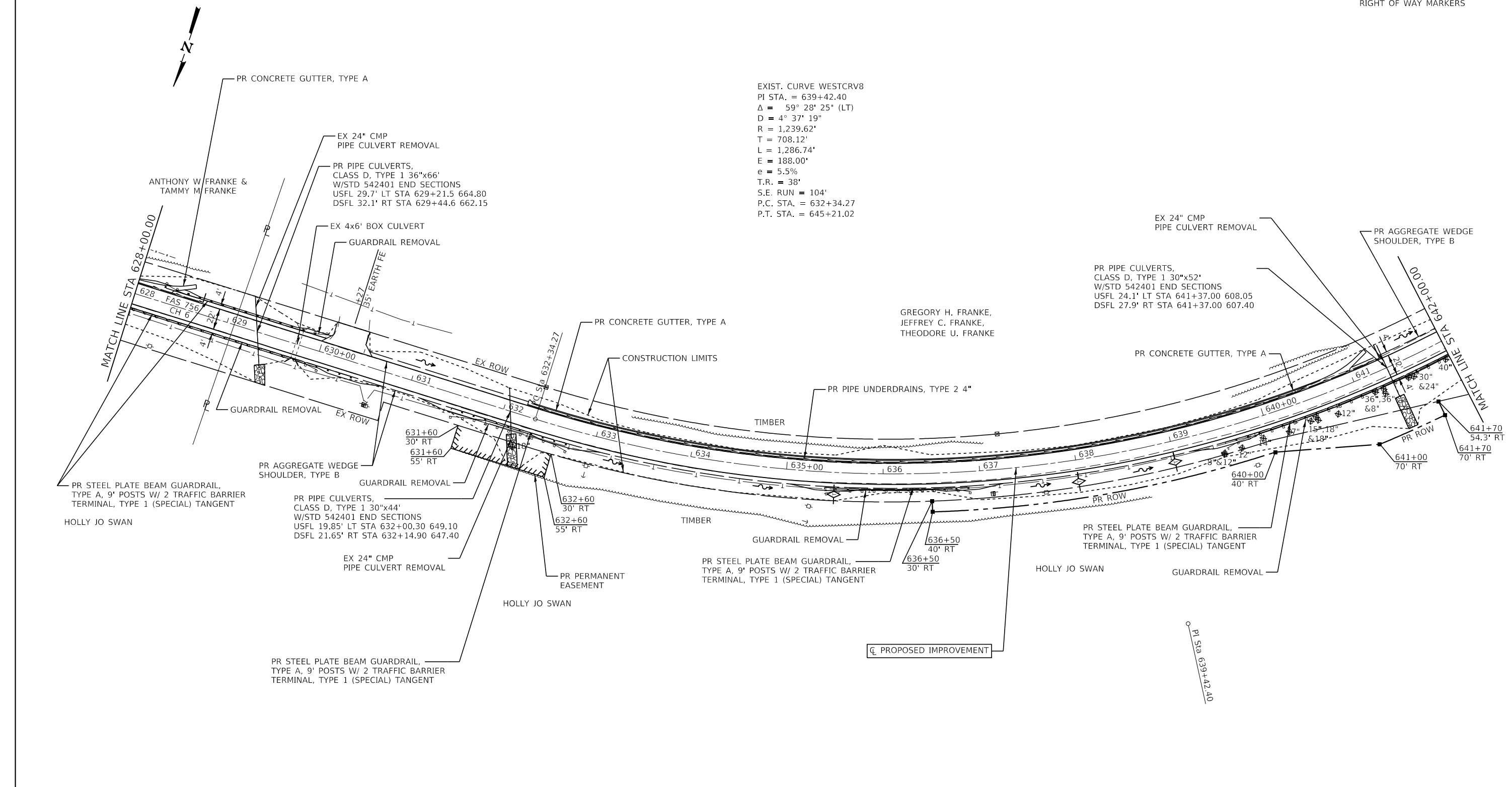
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	18
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

LEGEND

-  PR STONE DUMPED RIPRAP, CLASS A4
-  PR TREE REMOVAL
-  FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EXIST. CURVE WESTCRV8  
 PI STA. = 639+42.40  
 $\Delta = 59^\circ 28' 25"$  (LT)  
 $D = 4^\circ 37' 19"$   
 $R = 1,239.62'$   
 $T = 708.12'$   
 $L = 1,286.74'$   
 $E = 188.00'$   
 $e = 5.5\%$   
 $T.R. = 38'$   
 $S.E. RUN = 104'$   
 $P.C. STA. = 632+34.27$   
 $P.T. STA. = 645+21.02$

GREGORY H. FRANKE,  
 JEFFREY C. FRANKE,  
 THEODORE U. FRANKE



MODEL: Default  
 FILE NAME: 2569-shl-plan\_west1.dgn



JOB = 2569
FILE NAME = 2569-shl-plan_west1.dgn
PLOT SCALE = 100,0000' / in.
PLOT DATE = 3/30/2020

DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 8/7/2018	REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

**PLAN**

SCALE: 50 SHEET OF SHEETS STA. 628+00.00 TO STA. 652+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	19
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				





EXIST. CURVE WESTCRV9  
 PI STA. = 649+97.13  
 $\Delta = 23^\circ 26' 44''$  (RT)  
 $D = 6^\circ 56' 38''$   
 $R = 825.12'$   
 $T = 171.22'$   
 $L = 337.64'$   
 $E = 17.58'$   
 $e = 7\%$   
 $T.R. = 30'$   
 $S.E. RUN = 132'$   
 $P.C. STA. = 648+25.91$   
 $P.T. STA. = 651+63.55$

EXIST. CURVE WESTCRV10  
 PI STA. = 653+26.50  
 $\Delta = 17^\circ 40' 58''$  (RT)  
 $D = 5^\circ 28' 10''$   
 $R = 1,047.58'$   
 $T = 162.95'$   
 $L = 323.31'$   
 $E = 12.60'$   
 $e = 6\%$   
 $T.R. = 38'$   
 $S.E. RUN = 114'$   
 $P.C. STA. = 651+63.55$   
 $P.T. STA. = 654+86.86$

EXIST. CURVE WESTCRV11  
 PI STA. = 655+75.67  
 $\Delta = 16^\circ 46' 47''$  (RT)  
 $D = 12^\circ 38' 57''$   
 $R = 452.96'$   
 $T = 66.81'$   
 $L = 132.65'$   
 $E = 4.90'$   
 $e = 8\%$   
 $T.R. = 38'$   
 $S.E. RUN = 151'$   
 $P.C. STA. = 655+08.87$   
 $P.T. STA. = 656+41.52$

PR PIPE CULVERTS,  
 CLASS D, TYPE 1 15"x38'  
 USFL 22' LT STA 644+75.85 591.31  
 DSFL 22' LT STA 645+14.55 589.23

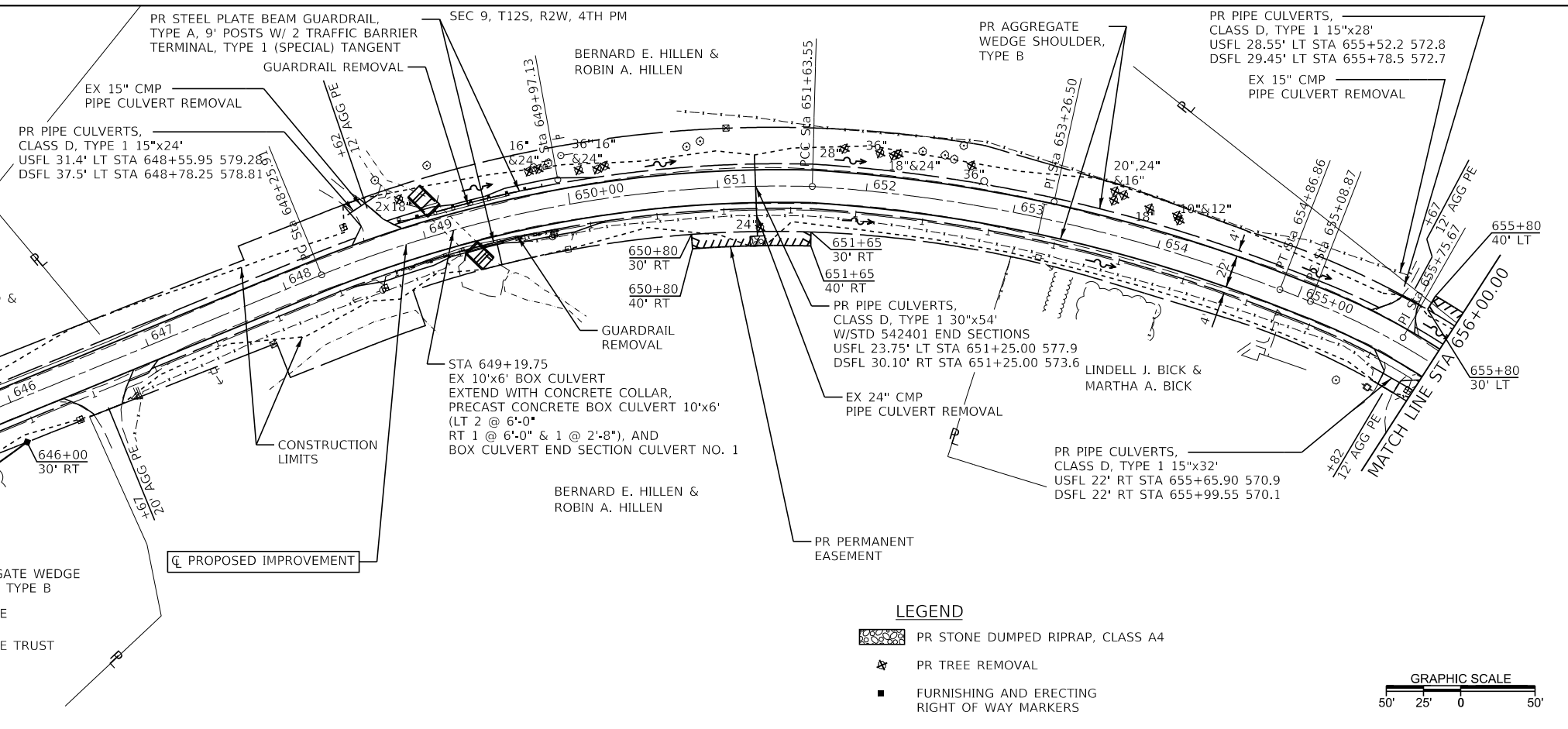
PR PIPE CULVERTS,  
 CLASS D, TYPE 1 30"x50'  
 W/STD 542401 END SECTIONS  
 USFL 21.6' LT STA 643+95.75 593.3  
 DSFL 28.35' RT STA 643+97.75 592.7

PR STEEL PLATE BEAM GUARDRAIL,  
 TYPE A, 9' POSTS W/ 2 TRAFFIC BARRIER  
 TERMINAL, TYPE 1 (SPECIAL) TANGENT

PR AGGREGATE WEDGE SHOULDER,  
 TYPE B

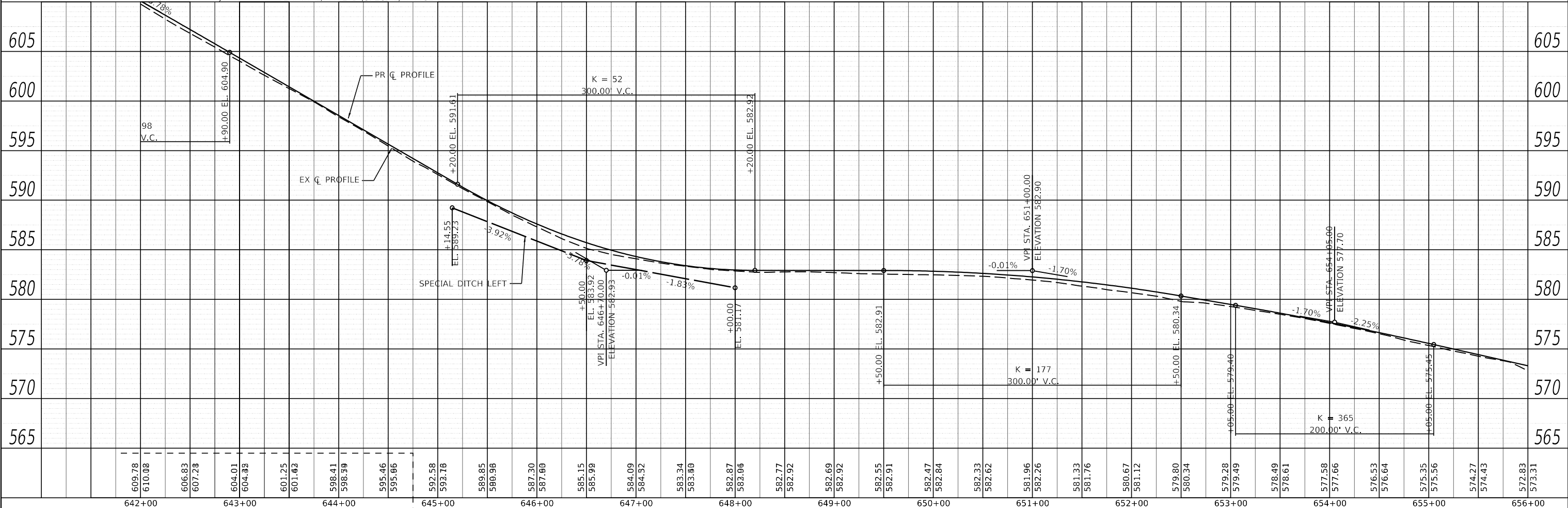
PR PERMANENT EASEMENT

PR PIPE CULVERTS,  
 CLASS D, TYPE 1 15"x32'  
 USFL 22' RT STA 655+65.90 570.9  
 DSFL 22' RT STA 655+99.55 570.1



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	FILE NAME
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	NOTE BOOK	STRUCTURE
	NO.	NOTATION
		GRID

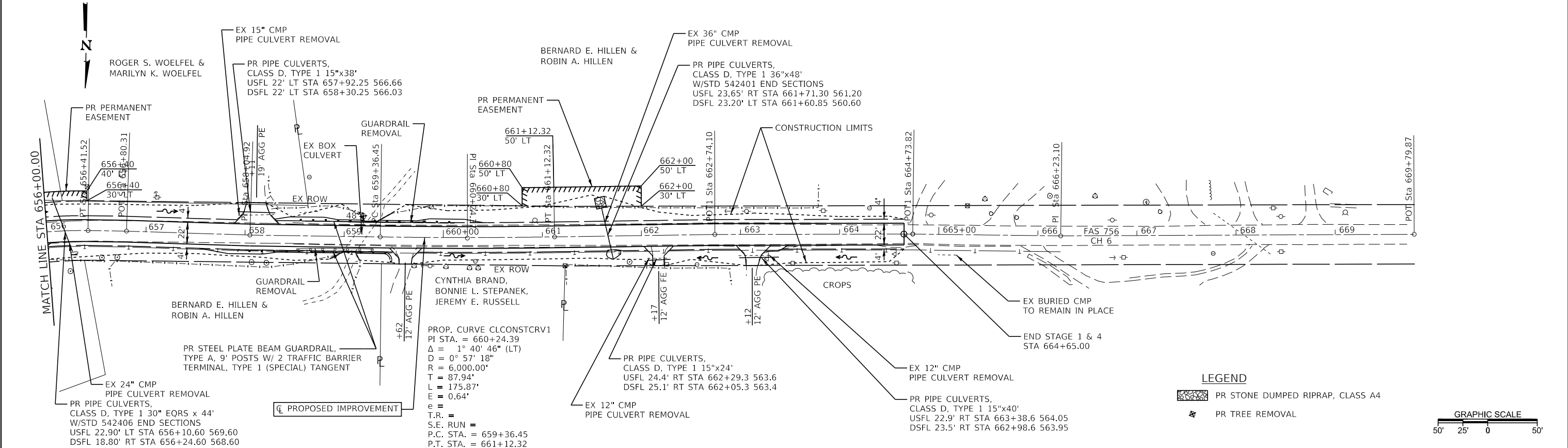


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	FILE NAME = 2569-shb-plan_west1.dgn	CHECKED - NAK	REVISED -		SCALE: 50	SHEET OF SHEETS	STA. 642+00.00 TO STA. 656+00.00	CONTRACT NO. 97699		ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 100.0000' / in.	DATE = 8/7/2018	REVISED -								

MODEL: Default  
FILE NAME: 2569-shb-plan\_west1.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

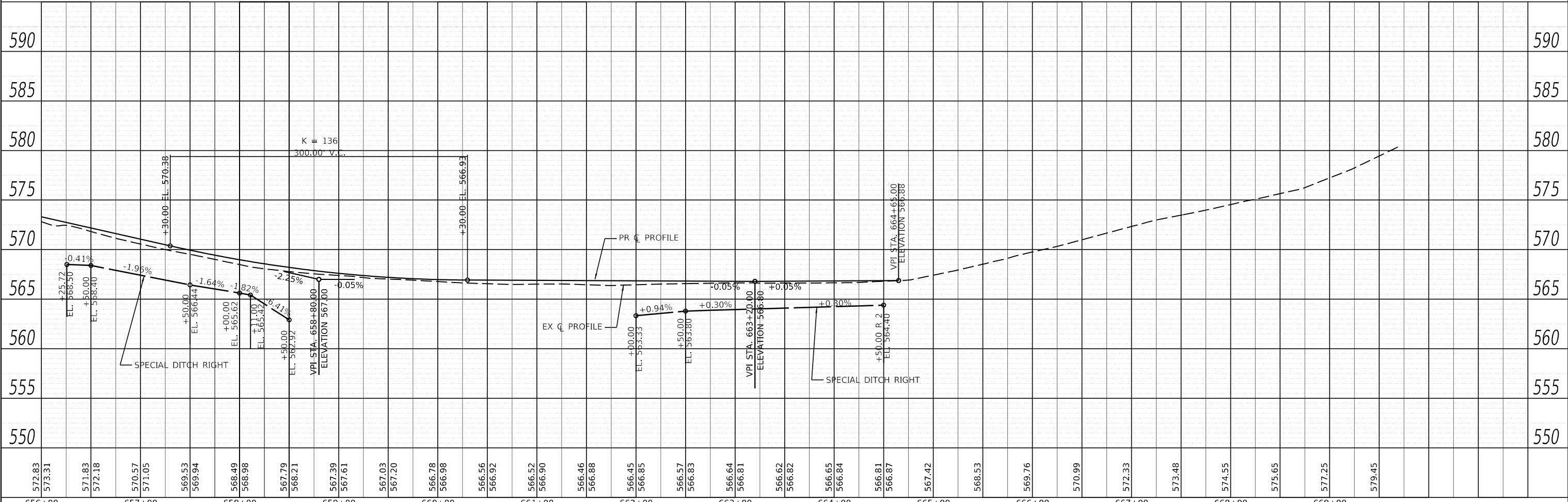
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	CHWD	
	NO.	



**LEGEND**

- PR STONE DUMPED RIPRAP, CLASS A4
- PR TREE REMOVAL

**GRAPHIC SCALE**  
50' 25' 0 50'



MODEL: Default  
FILE NAME: 2568-shb-plan\_west1.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2568	DESIGNED - NAK	REVISED -
FILE NAME = 2568-shb-plan_west1.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/30/2020	DATE - 8/7/2018	REVISED -

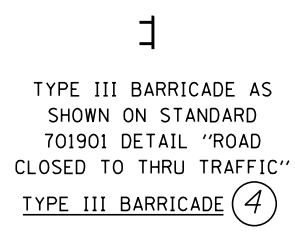
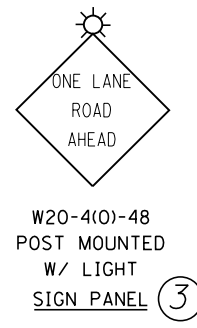
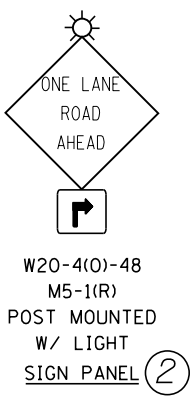
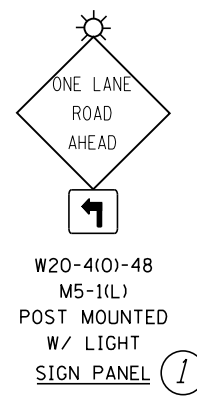
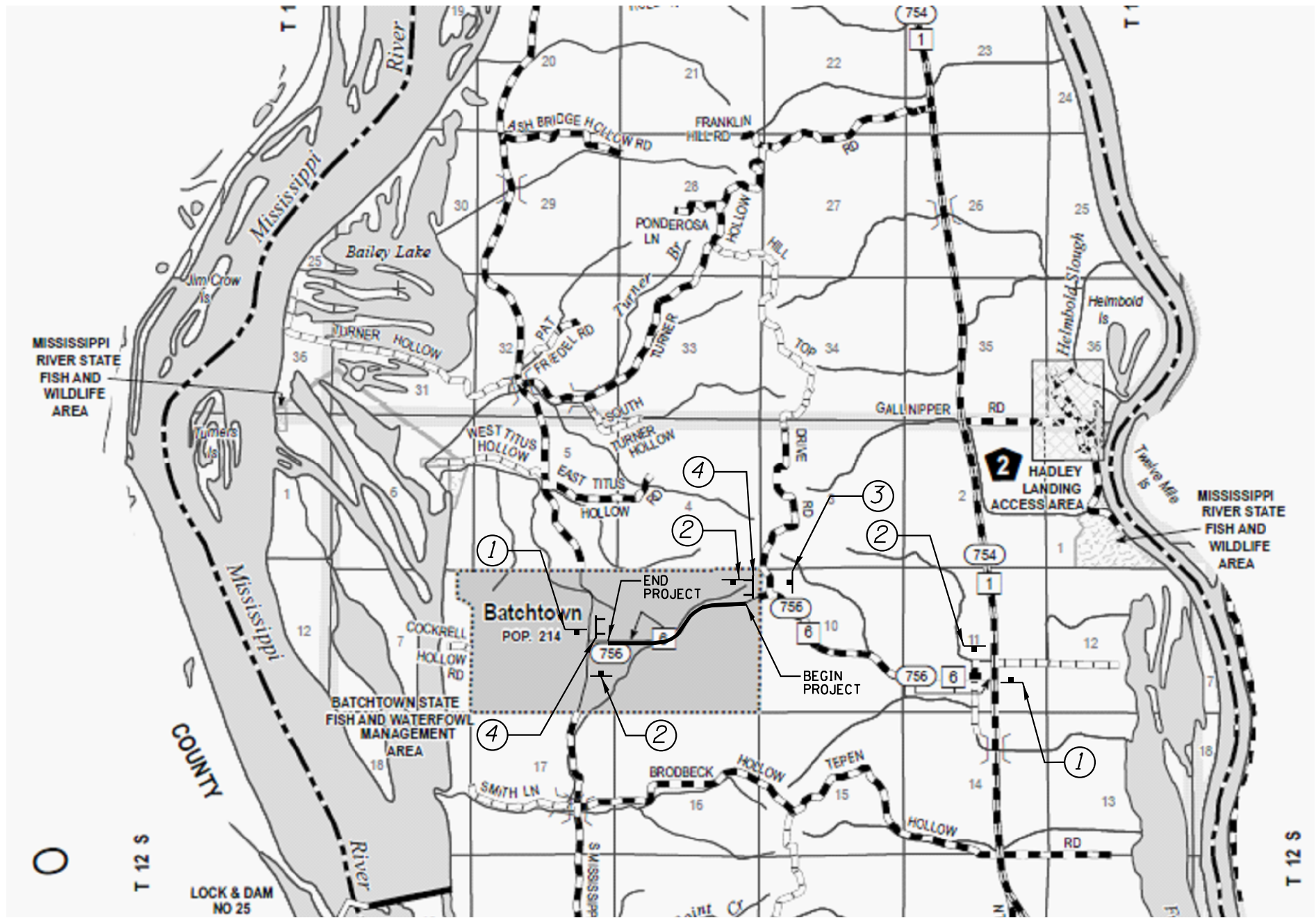
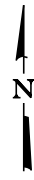
DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 8/7/2018	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**PLAN AND PROFILE**

SCALE: 50 SHEET OF SHEETS STA. 642+00.00 TO STA. 656+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-R5	CALHOUN	70	22
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
FILE NAME: 2569-CH6-Traffic.dgn



JOB = 2569	DESIGNED - NAK	REVISED -
FILE NAME = 2569-CH6-Traffic.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/28/2020	DATE - 11/20/2017	REVISED -

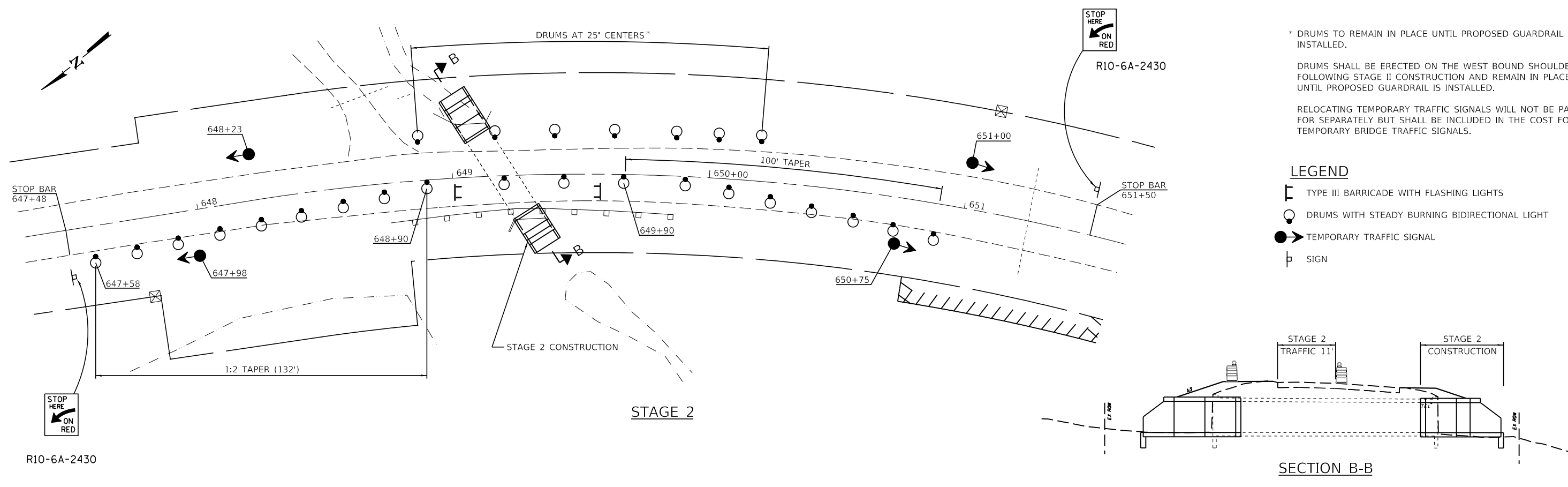
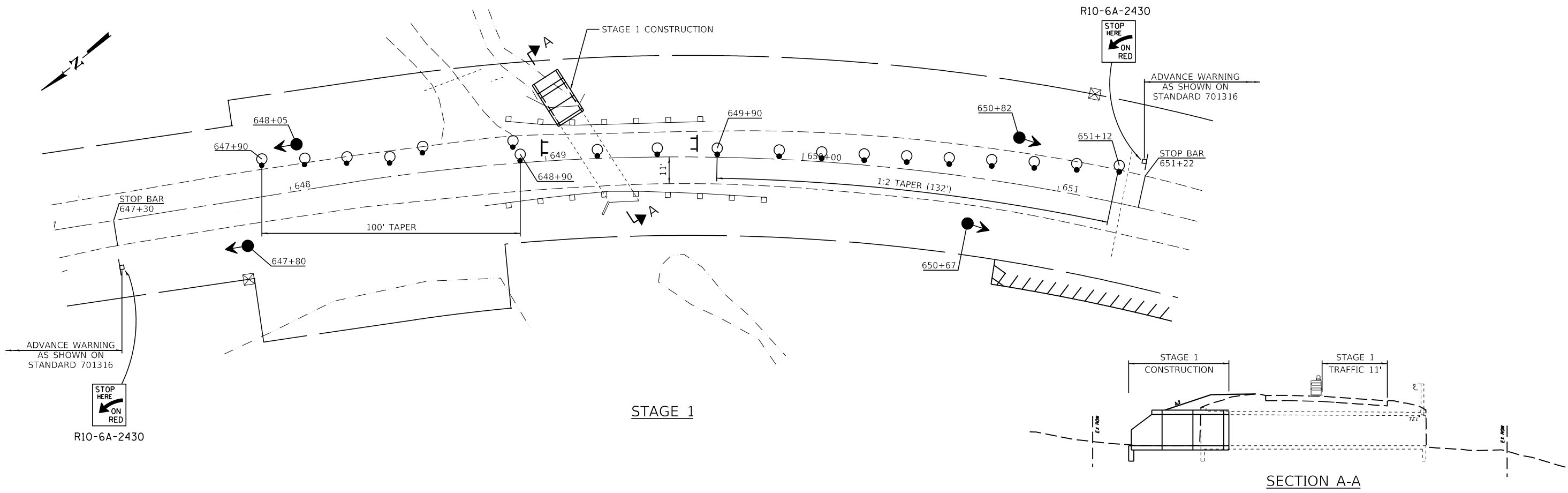
DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 11/20/2017	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**TRAFFIC CONTROL  
ADVANCE WARNING SIGNS (ROAD CLOSURE)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	23
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



\* DRUMS TO REMAIN IN PLACE UNTIL PROPOSED GUARDRAIL IS INSTALLED.

DRUMS SHALL BE ERECTED ON THE WEST BOUND SHOULDER FOLLOWING STAGE II CONSTRUCTION AND REMAIN IN PLACE UNTIL PROPOSED GUARDRAIL IS INSTALLED.

RELOCATING TEMPORARY TRAFFIC SIGNALS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY BRIDGE TRAFFIC SIGNALS.

- LEGEND**
- TYPE III BARRICADE WITH FLASHING LIGHTS
  - DRUMS WITH STEADY BURNING BIDIRECTIONAL LIGHT
  - TEMPORARY TRAFFIC SIGNAL
  - SIGN

MODEL: STAGE 1  
FILE NAME: 2569-shl-stage.dgn

**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-shl-stage.dgn  
PLOT SCALE = 40,0000' / in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 8/7/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

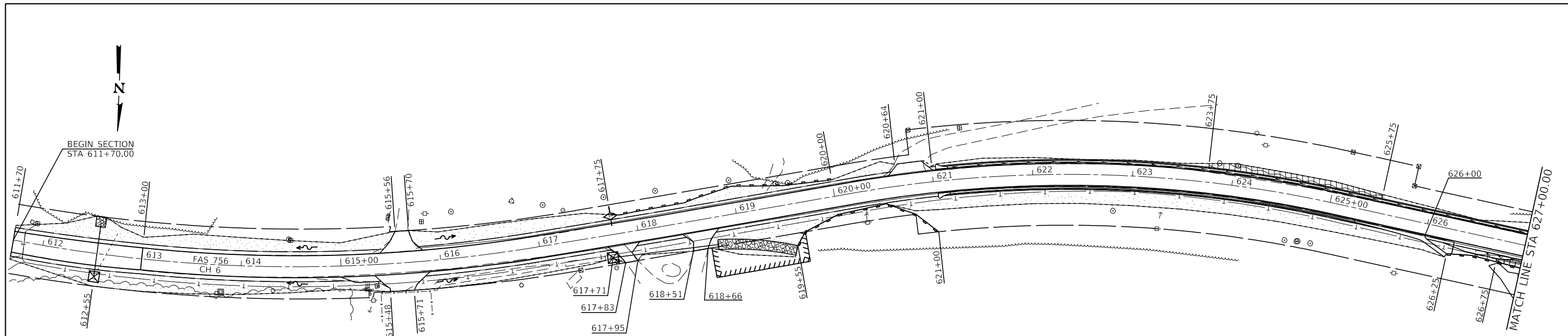
**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**MAINTENANCE OF TRAFFIC**







SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	24
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				





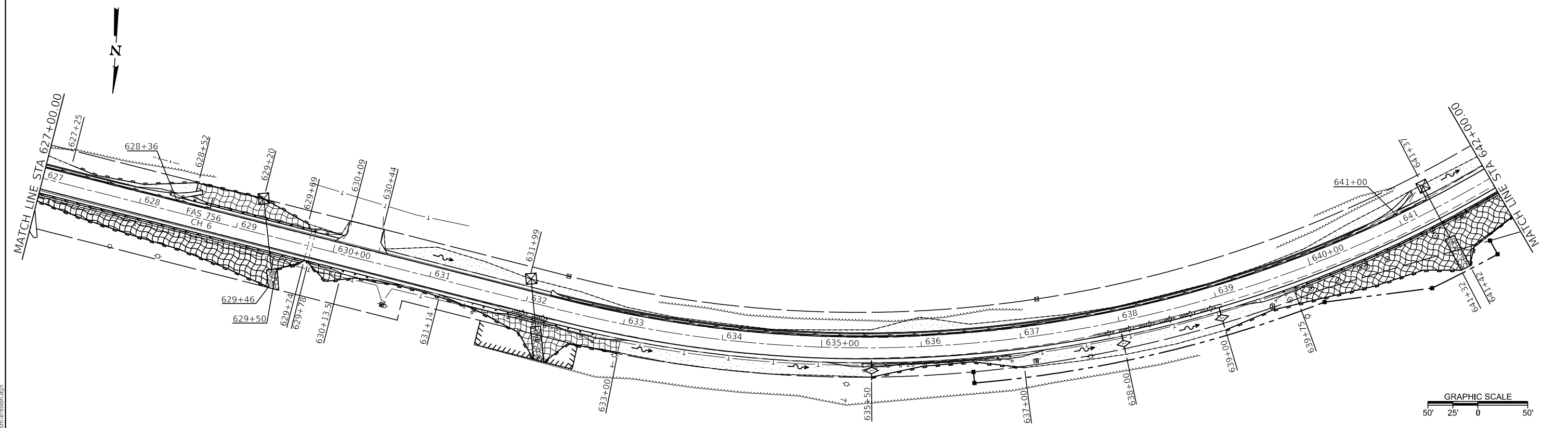
**LEGEND**

	SEEDING, CLASS 2 / MULCH METHOD 2 *
	HEAVY DUTY EROSION CONTROL BLANKET/SEEDING CLASS 2
	STONE DUMPED RIPRAP, CLASS A4
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS

\* MULCH, METHOD 2 SHALL BE PLACED AT ALL SEEDING LOCATIONS EXCEPT WHERE HEAVY DUTY EROSION CONTROL BLANKET IS PLACED.

**GRAPHIC SCALE**

50' 25' 0 50'



**GRAPHIC SCALE**

50' 25' 0 50'

MODEL: Default  
FILE NUMBER: 2569-eh-erosion.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh-erosion.dgn  
PLOT SCALE = 100,0000 ' / in.  
PLOT DATE = 3/30/2020

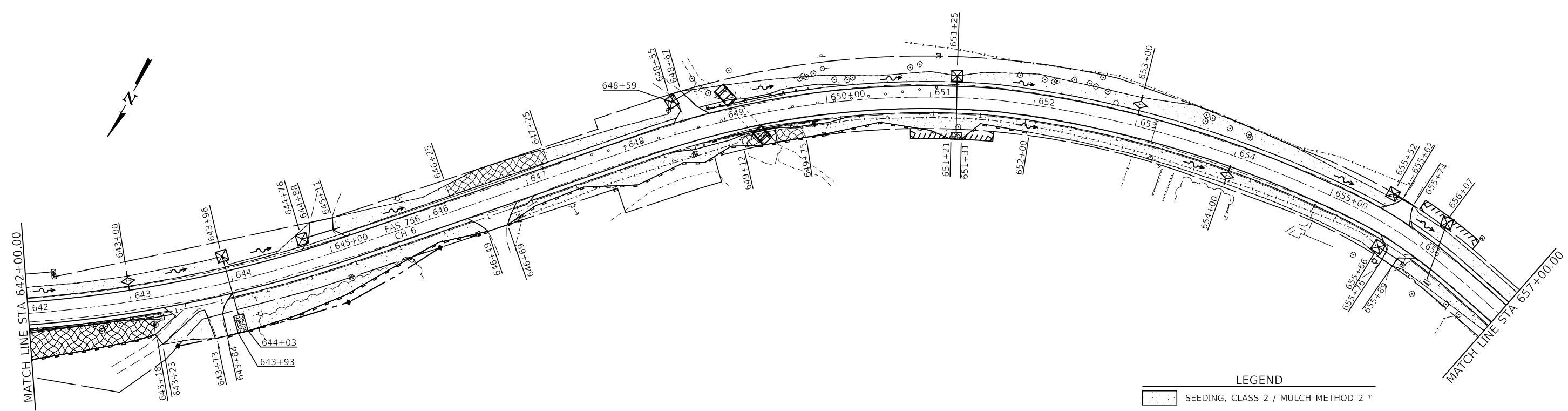
DESIGNED -	NAK	REVISED -	
DRAWN -	SJS	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	3/30/2020	REVISED -	

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**EROSION CONTROL PLAN**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

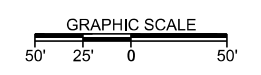
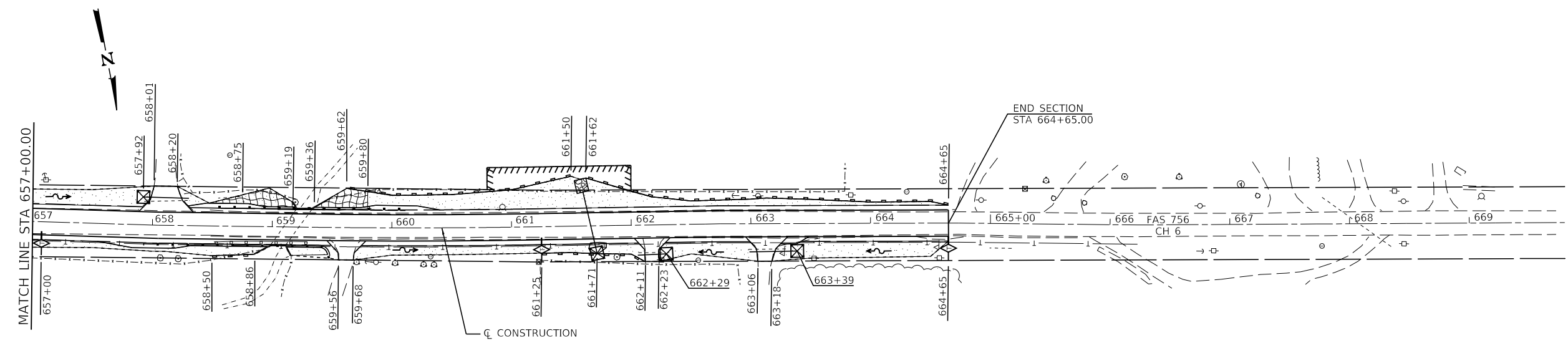
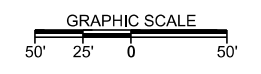
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	25
CONTRACT NO. 97699				
		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- SEEDING, CLASS 2 / MULCH METHOD 2 \*
- HEAVY DUTY EROSION CONTROL BLANKET/SEEDING CLASS 2
- STONE DUMPED RIPRAP, CLASS A4
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS

\* MULCH, METHOD 2 SHALL BE PLACED AT ALL SEEDING LOCATIONS EXCEPT WHERE HEAVY DUTY EROSION CONTROL BLANKET IS PLACED.



MODEL: Default  
FILE NAME: 2569-eh1-erosion.dgn



JOB = 2569  
 FILE NAME = 2569-eh1-erosion.dgn  
 PLOT SCALE = 100,0000 ' / in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 3/30/2020

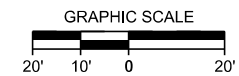
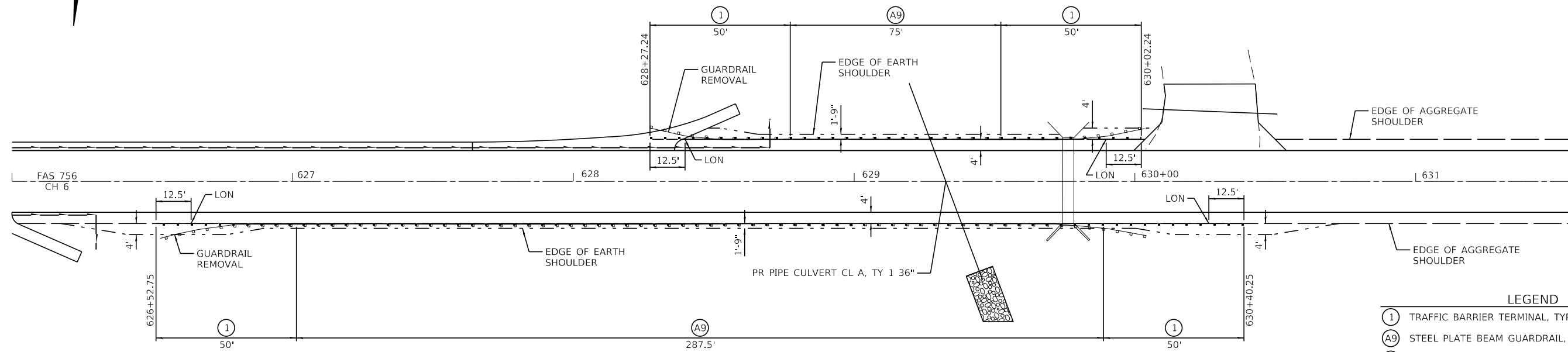
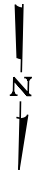
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

**EROSION CONTROL PLAN**

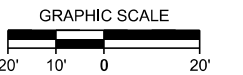
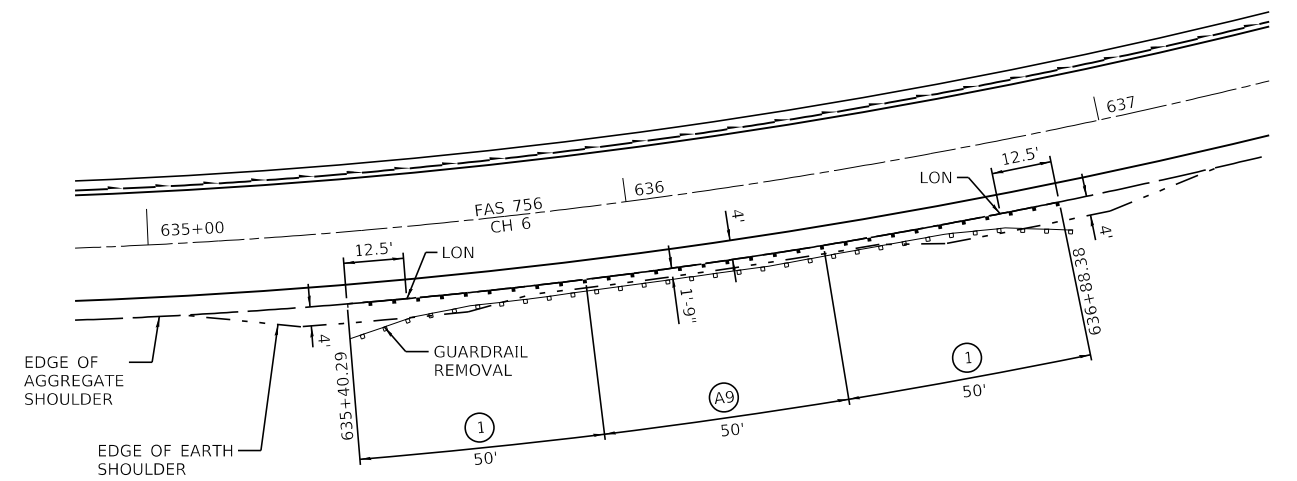
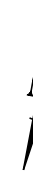
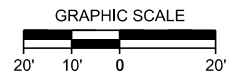
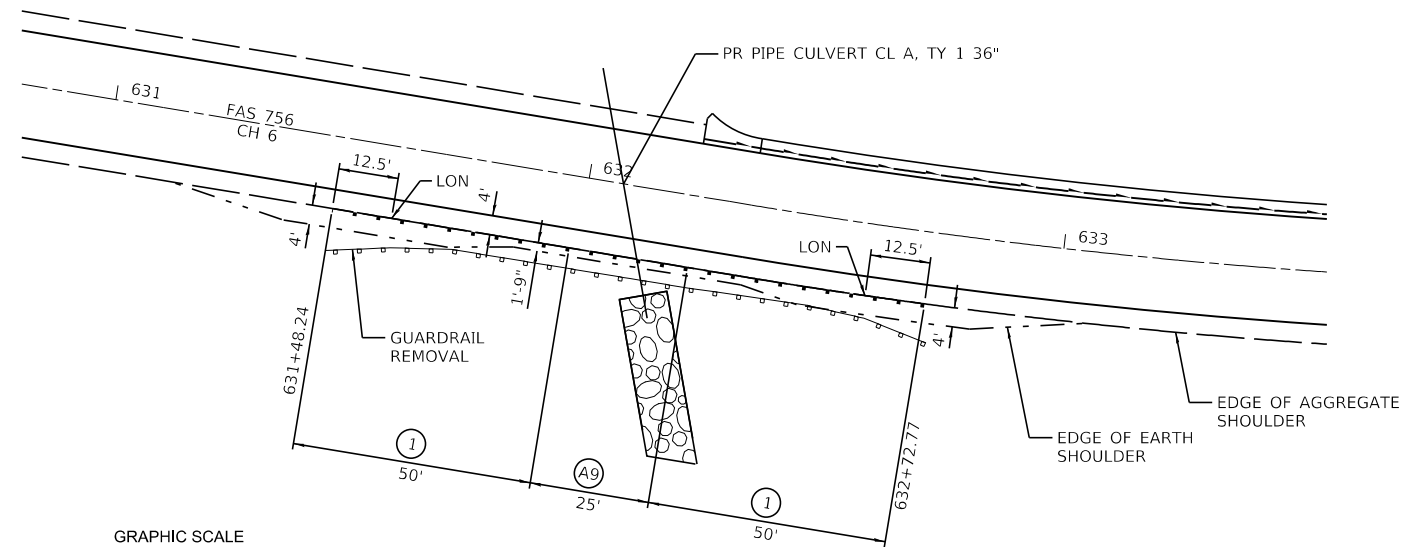
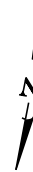
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	26
CONTRACT NO. 97699				
ILLINOIS		FED. AID PROJECT		



- LEGEND**
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL TANGENT
  - Ⓐ9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
  - ⓈP STRONG POST GUARDRAIL ATTACHED TO CULVERT
  - ⓈP WEAK POST GUARDRAIL ATTACHED TO CULVERT
  - LON - LENGTH OF NEED POINT

NOTES:  
 PROVIDE HOLES FOR POSTS IN GUTTER AS SHOWN ON STANDARD 630201.  
 WIDEN SHOULDERS AT TYPE 1 TERMINALS AS SHOWN ON STANDARD 630301.



MODEL: D:\c\ce\2569-eh\2569-eh.rvt.dgn

**CEC** Cummins  
 Engineering  
 Corporation  
 Civil and Structural Engineering

JOB = 2569  
 FILE NAME = 2569-eh.rvt.dgn  
 PLOT SCALE = 40,0000"/in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 8/7/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

**GUARDRAIL AND SHOULDER LAYOUT DETAILS**

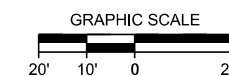
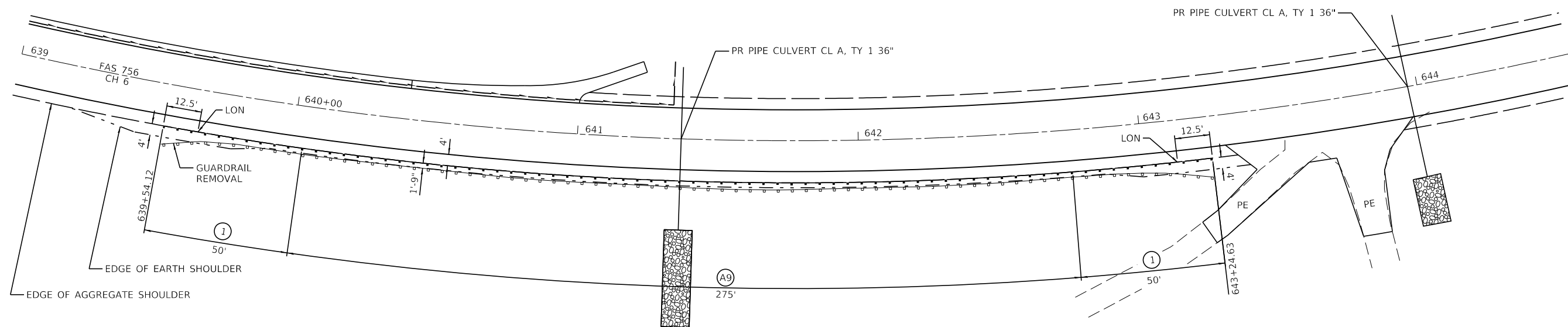
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	27
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

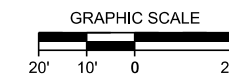
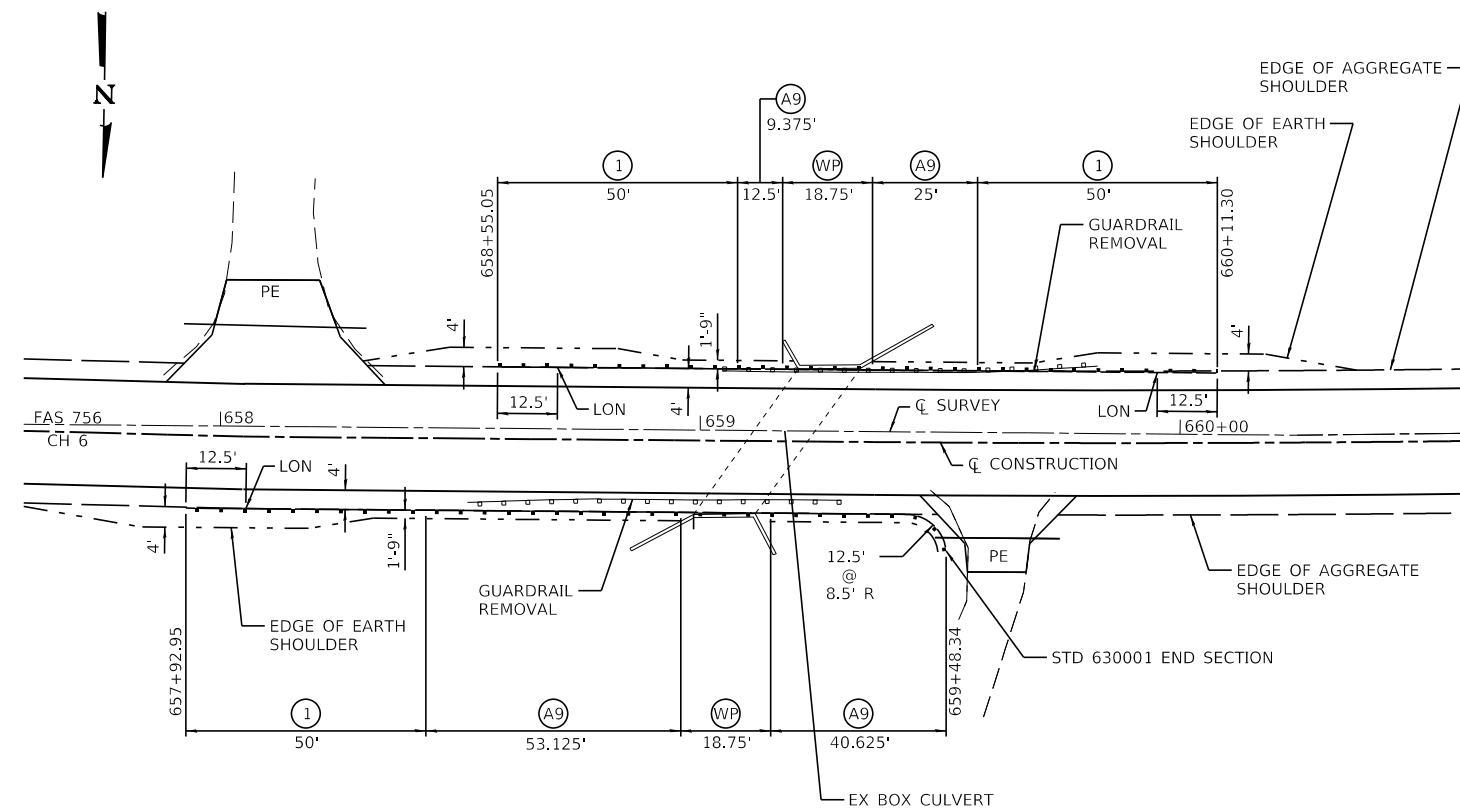
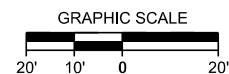
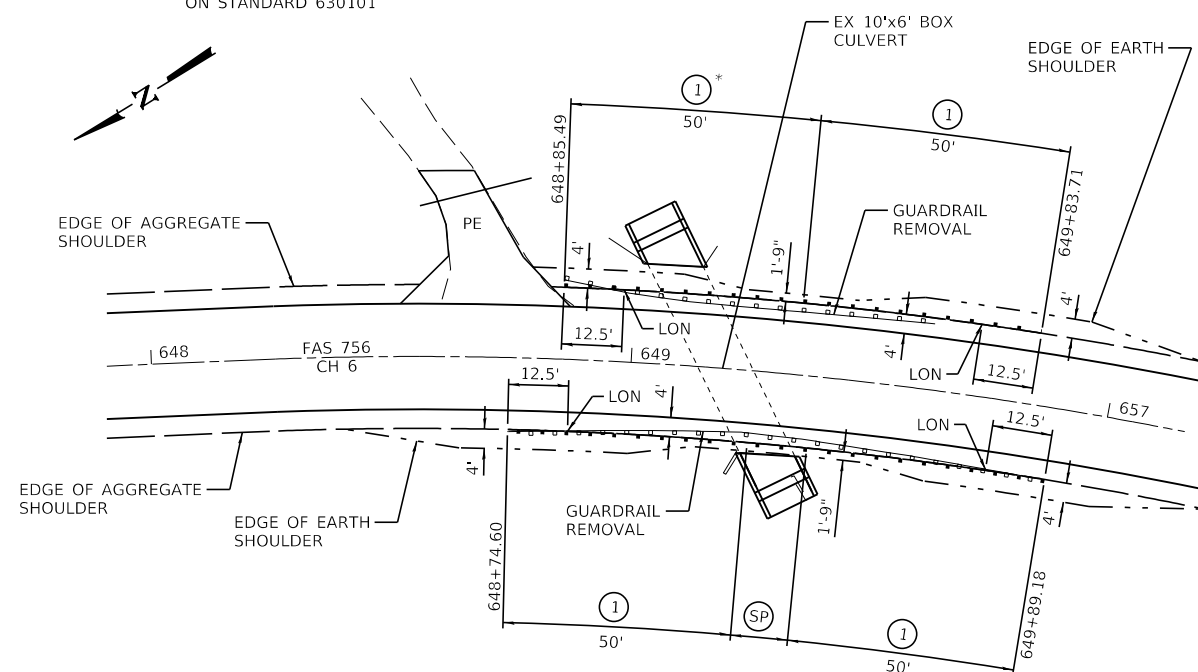
LEGEND

- (1) TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL TANGENT
- (A9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- (SP) STRONG POST GUARDRAIL ATTACHED TO CULVERT
- (WP) WEAK POST GUARDRAIL ATTACHED TO CULVERT
- LON - LENGTH OF NEED POINT

NOTE:  
WIDEN SHOULDERS AT TYPE 1 TERMINALS AS SHOWN ON STANDARD 630301.



\* ATTACH 2 POSTS OF TYPE 1 TERMINAL TO TOP OF BOX CULVERT AS SHOWN ON STANDARD 630101



MODEL Dwg.rvt  
FILE NAME: 2569-shl-rd17.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-shl-rd17.dgn  
PLOT SCALE = 40,0000' / 1in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 8/7/2018

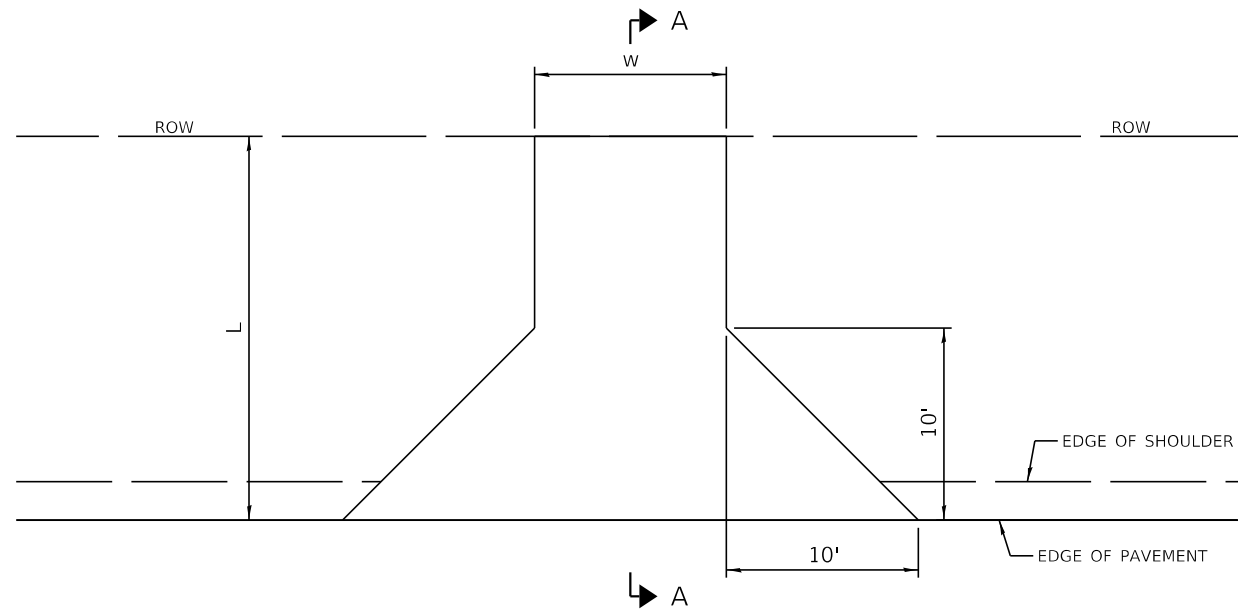
REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

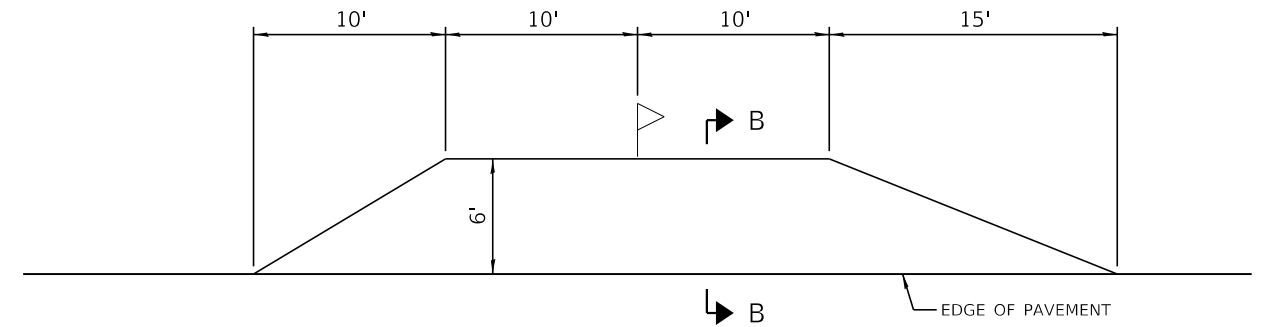
**GUARDRAIL AND SHOULDER LAYOUT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

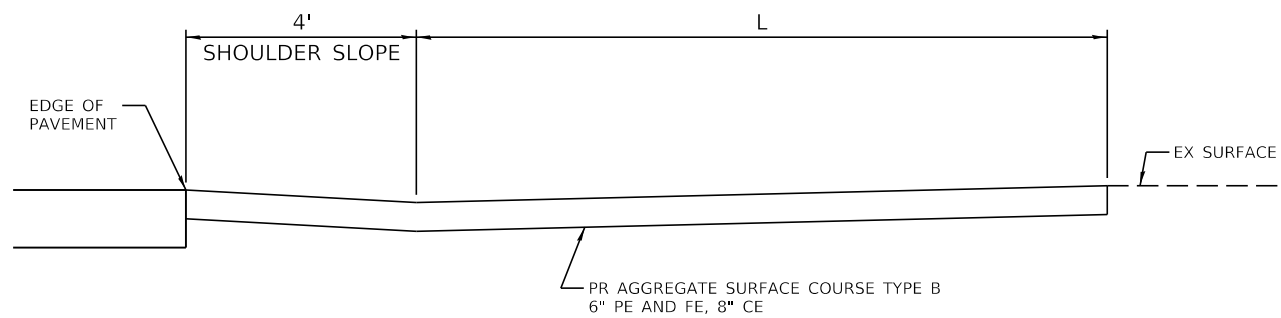
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	28
CONTRACT NO. 97699				
		ILLINOIS	FED. AID PROJECT	



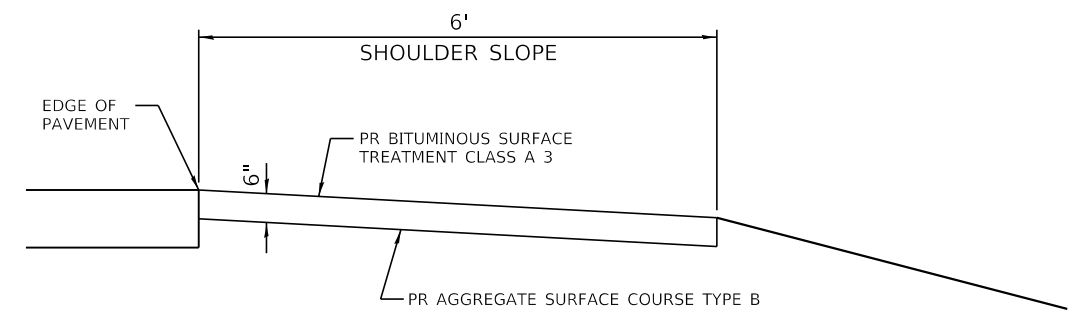
PLAN PE, CE, FE



PLAN MAIL BOX TURNOUT



SECTION A-A



SECTION B-B

MODEL: Default  
FILE NAME: 2569-shl-Entrance Details.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

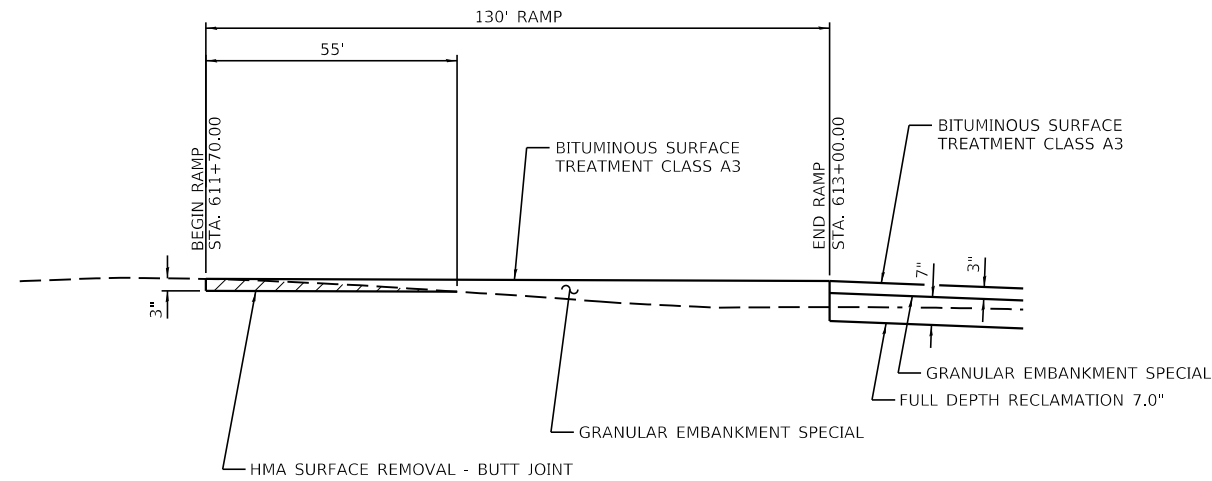
JOB = 2569	DESIGNED - NAK	REVISED -
FILE NAME = 2569-shl-Entrance Details.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/30/2020	DATE - 11/20/2017	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

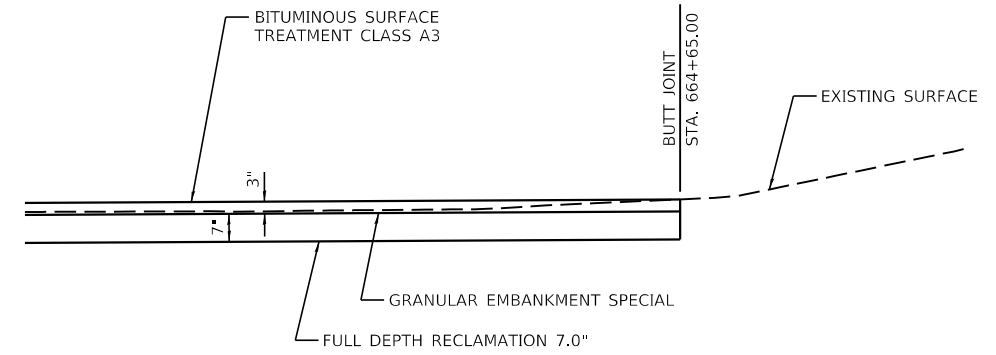
**ENTRANCE AND MAIL BOX TURNOUT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

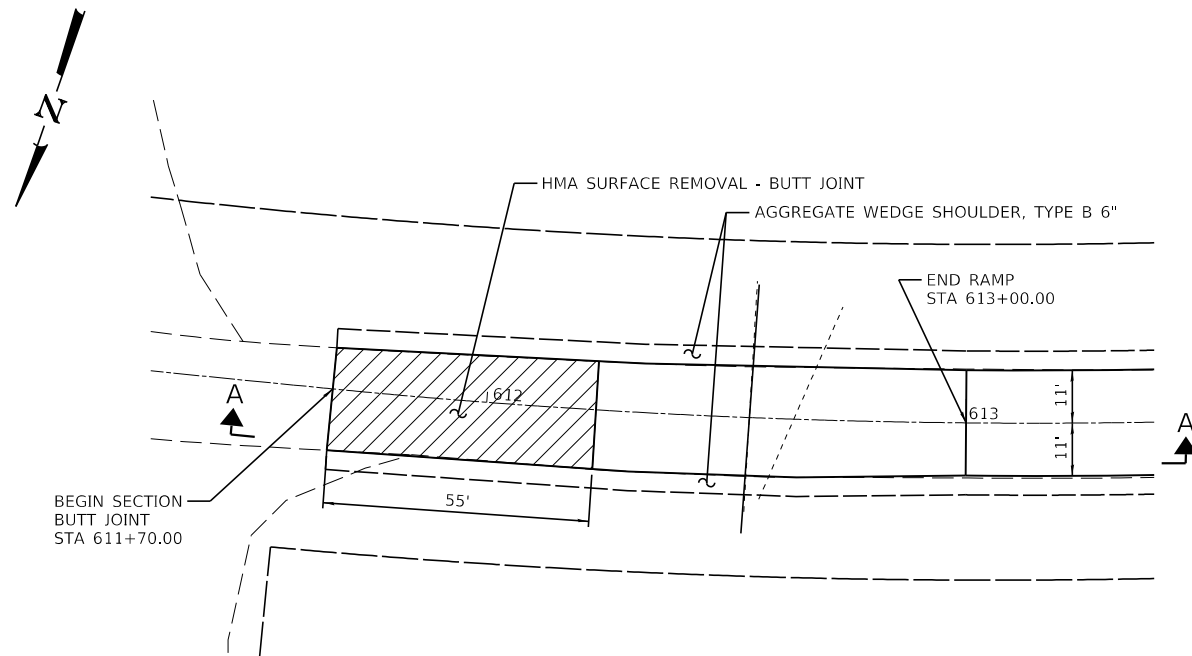
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	29
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



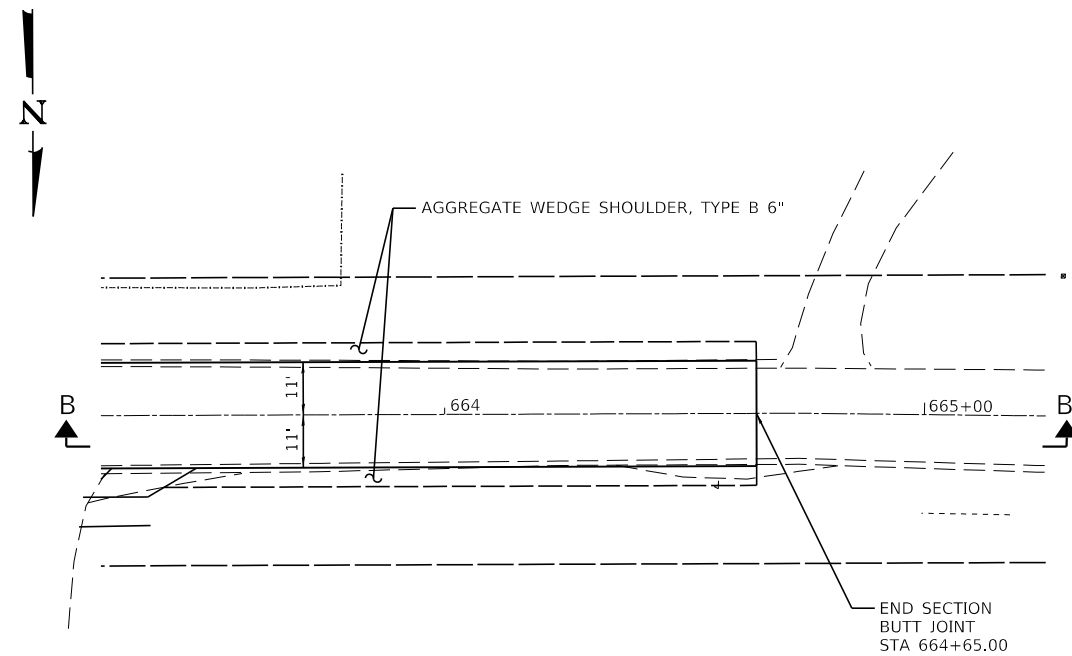
SECTION A-A



SECTION B-B



PLAN AT BUTT JOINT STA 611+70.00



PLAN AT BUTT JOINT STA 664+65.00

MODEL: D:\cfs\it  
FILE NAME: 2569-shi-butt-joint.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

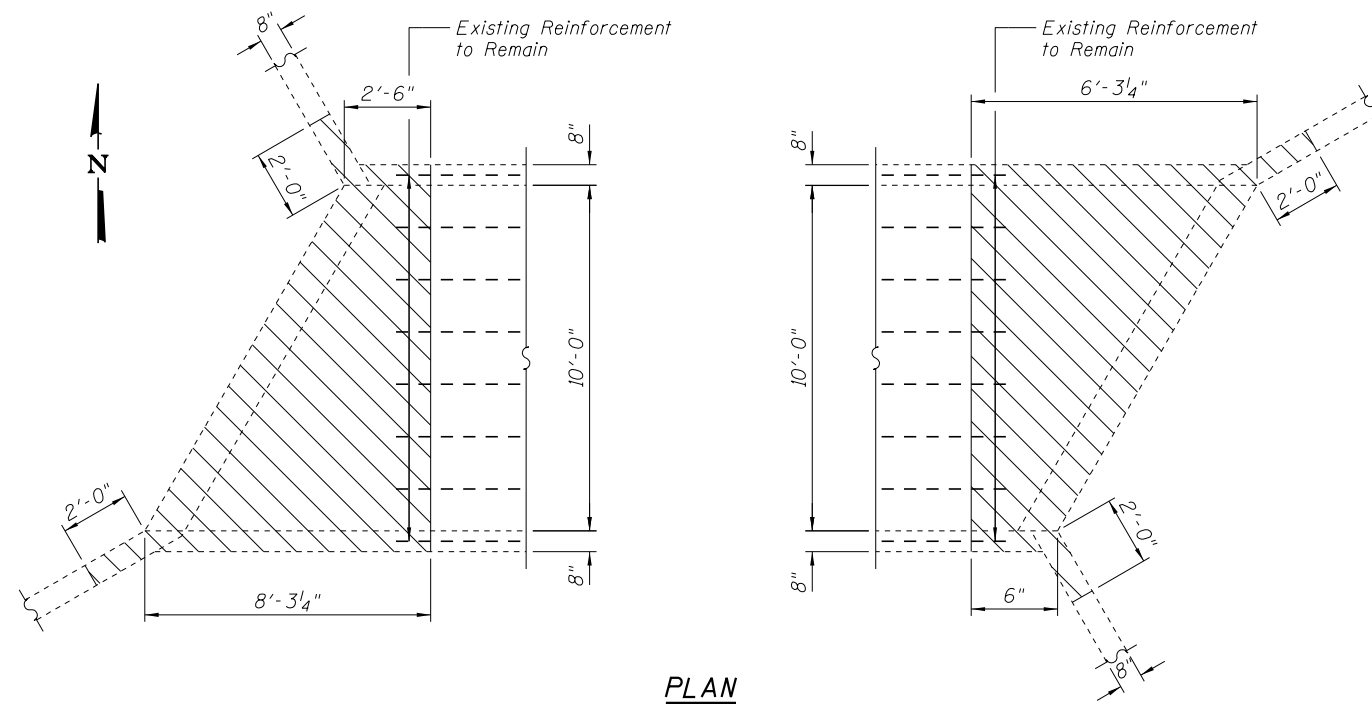
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FILE NAME = 2569-shi-butt-joint.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 40,0000' / 1in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/30/2020	DATE - 3/30/2020	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

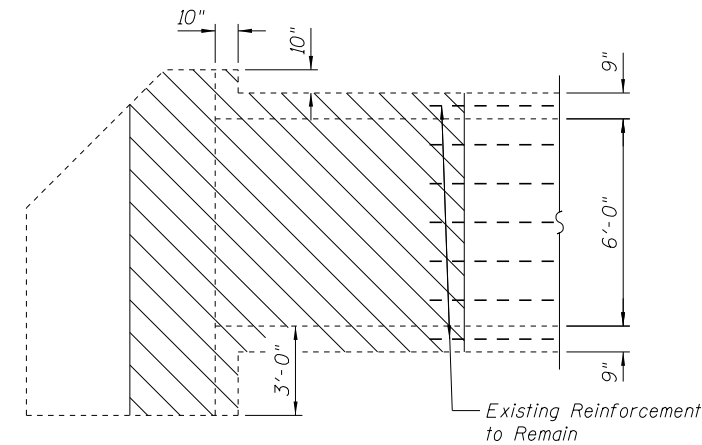
**BUTT JOINT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	30
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



**PLAN**  
(Showing Removal)

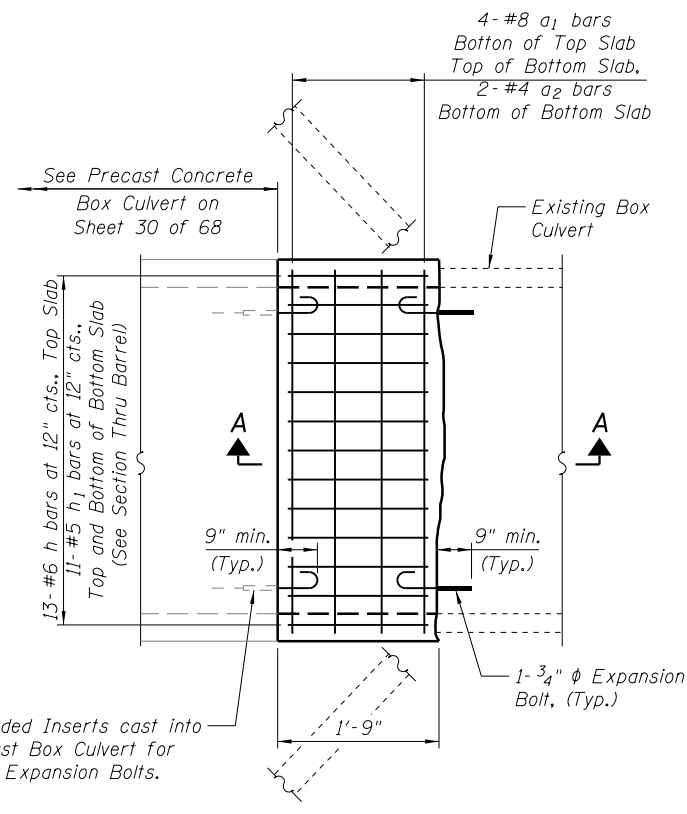


**ELEVATION**  
(Showing Removal)

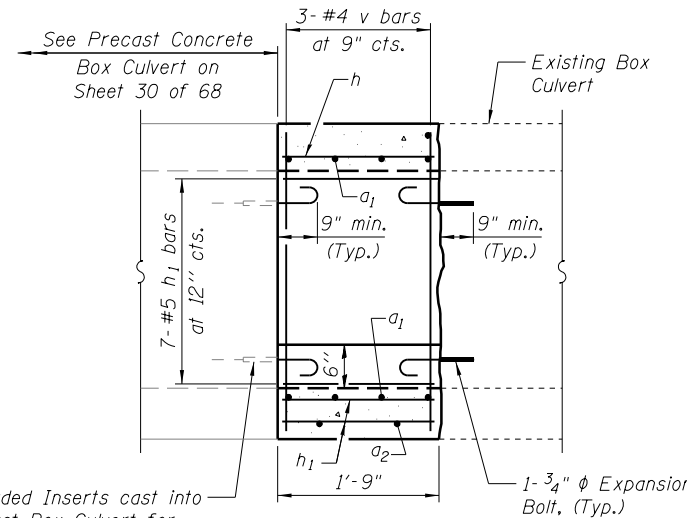
Notes:  
Hatched area indicates Concrete Removal.

Expansion Bolts shall be 3/4" φ hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

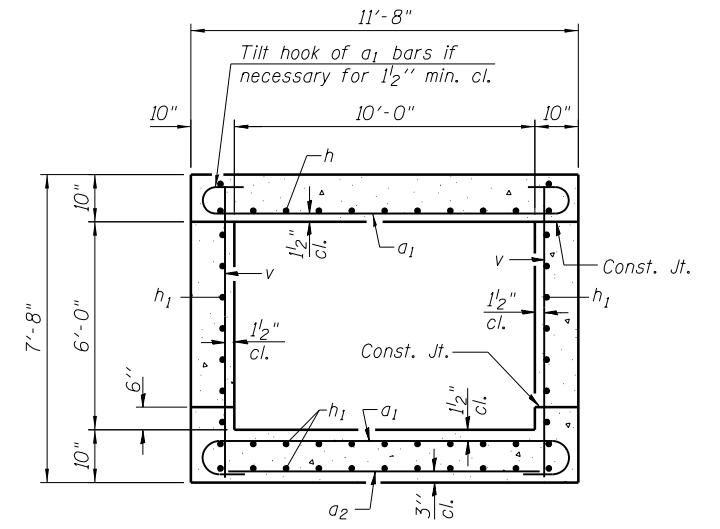
Existing reinforcement bars extending into removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete removal.



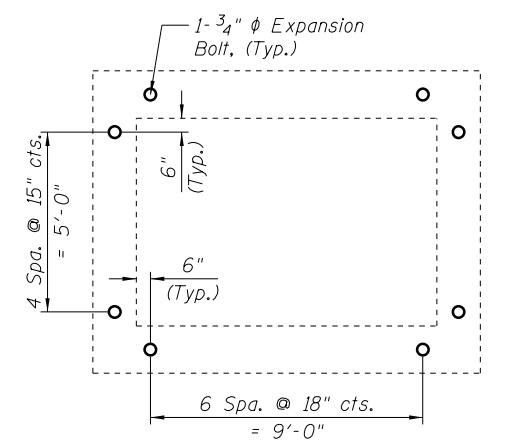
**PLAN**



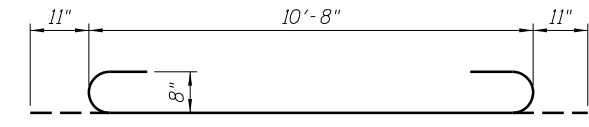
**SECTION A-A**



**SECTION THRU BARREL**  
(Showing Reinforcement)



**SECTION THRU BARREL**  
(Showing placement of 3/4" φ Expansion Bolts)



**BARS a1**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a <sub>1</sub>	16	#8	12'-6"	U
a <sub>2</sub>	4	#4	11'-4"	—
h	26	#6	1'-5"	—
h <sub>1</sub>	72	#5	1'-5"	—
v	12	#4	7'-4"	—
Concrete Collar			Cu. Yd.	3.8
Reinforcement Bars			Pound	790
Expansion Bolts 3/4"			Each	96
Concrete Removal			Cu. Yd.	12.4

MODEL Default  
FILE Name: 2569-ehc-CulExt.dgn



JOB = 2569  
FILE NAME = 2569-ehc-CulExt.dgn  
PLOT SCALE = 8,3333 1/In.  
PLOT DATE = 3/30/2020

DESIGNED - AAN  
DRAWN - SJS  
CHECKED - AAN  
DATE - 12/12/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

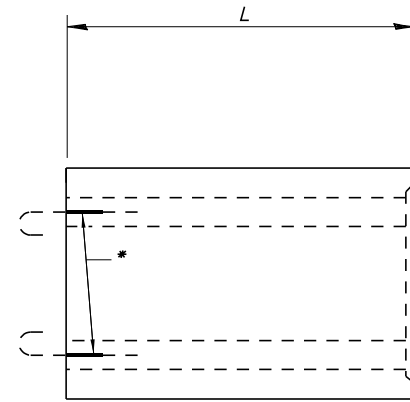
**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**10' X 6' CONCRETE BOX CULVERT EXTENSION DETAILS  
STA. 649+19.75**

SCALE: SHEET OF SHEETS STA. TO STA.

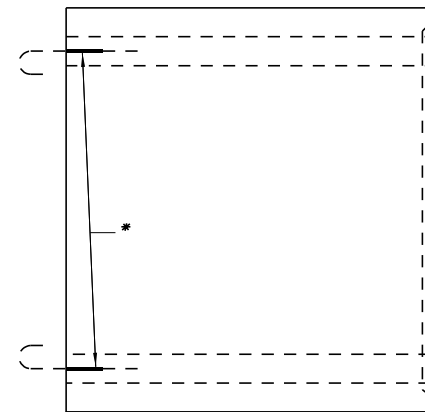
F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
756 15-00081-00-RS CALHOUN 70 31  
CONTRACT NO. 97699  
ILLINOIS FED. AID PROJECT

# DETAIL OF PRECAST CONCRETE BOX CULVERTS AND END SECTIONS

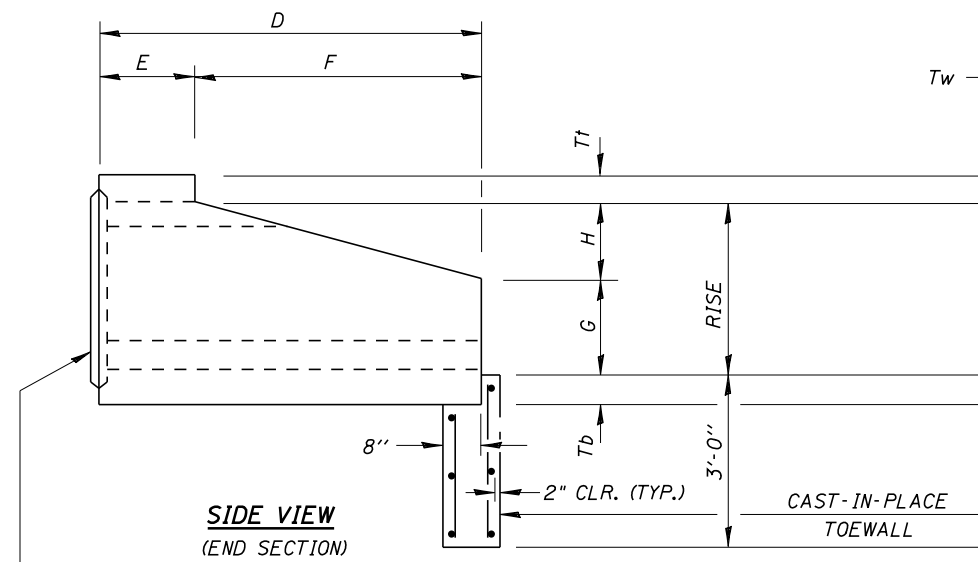


**SIDE VIEW**  
(BOX CULVERT)

\* Threaded Inserts cast into Precast Box Culvert for 3/4"  $\phi$  Expansion Bolts. See Sheet 29 of 68 for placement of Expansion Bolts.

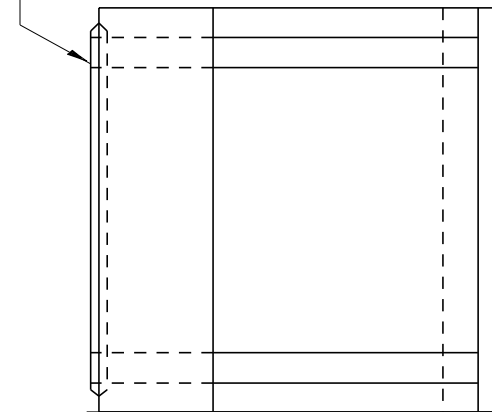


**PLAN**  
(BOX CULVERT)

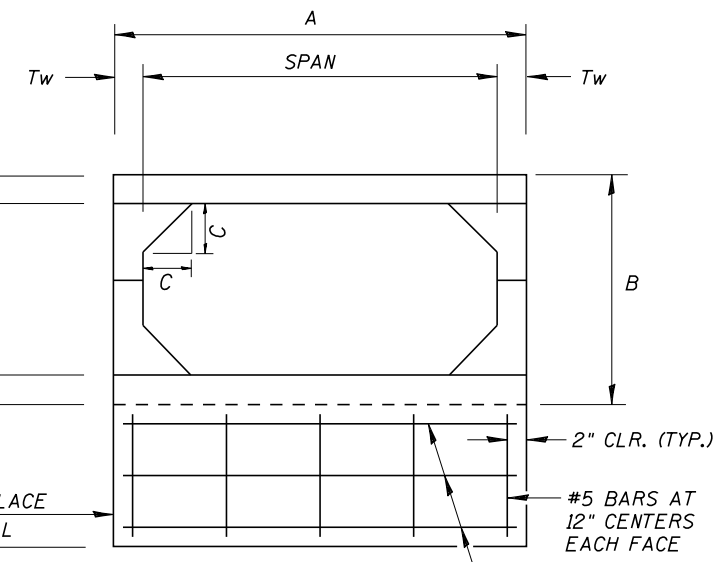


**SIDE VIEW**  
(END SECTION)

END CONNECTION TO FIT PRECAST BOX CULVERT

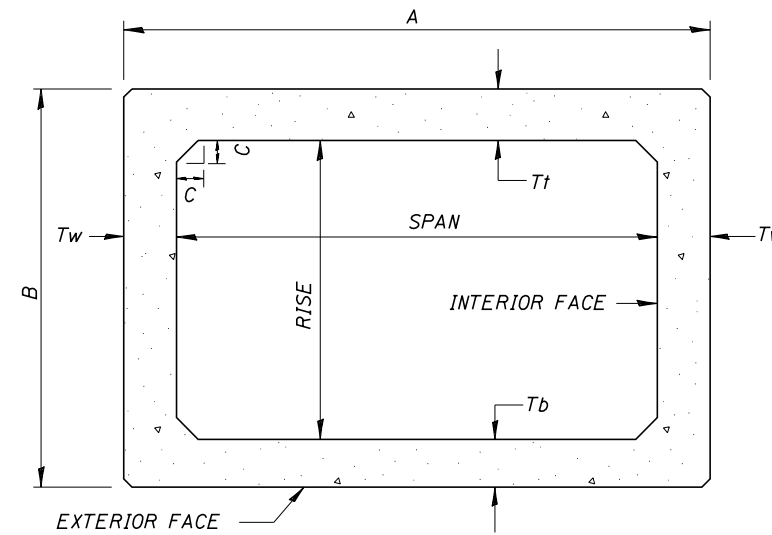


**PLAN**  
(END SECTION)

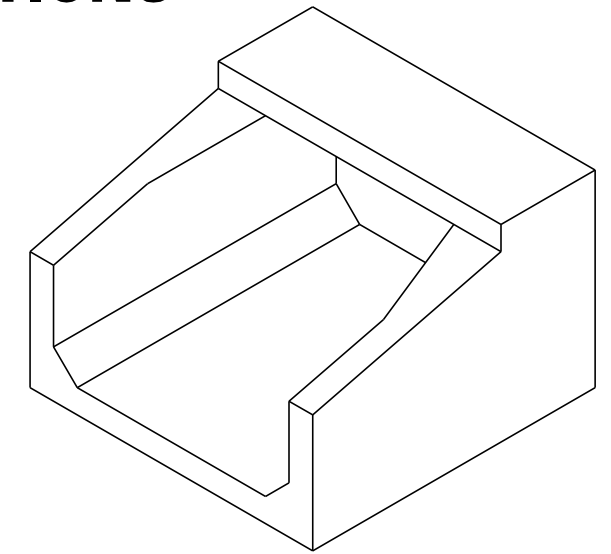


**END VIEW**

3 #5 BARS EACH FACE



**CROSS SECTION**  
END SECTION & BOX CULVERT



**ISOMETRIC VIEW**  
(END SECTION)

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

**LOADING HL - 93**

**DESIGN STRESSES (PRECAST)**

$f'_c = 5,000$  psi  
 $f_y = 65,000$  psi (welded wire fabric)  
 $f_y = 60,000$  psi (reinforcement)

Notes:  
All precast concrete box culvert sections shall conform to the requirements of ASTM C 1577 Specifications.  
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.  
Select granular back fill is not required above the Precast Concrete Box Culvert Extensions.

## PRECAST CONCRETE BOX CULVERT - EXTENSION DETAILS

Span	Rise	ASTM Designation	Design Fill Height	THICKNESS (INCHES)							SLOPE X : Y					
				Tt (top slab)	Tb (bot. slab)	Tw (wall)	A (FT. - IN.)	B (FT. - IN.)	C (INCHES)	D (FT. - IN.)		E (FT. - IN.)	F (FT. - IN.)	G (FT. - IN.)	H (FT. - IN.)	L (FT. - IN.)
10'	6'	C1577	< 2'	10"	10"	10"	11'-8"	7'-8"	10"	6'-0"	2'-0"	4'-0"	4'-0"	2'-0"	*	1:2

\* 3 @ 6'-0"  
1 @ 2'-8"

MODEL: D:\c1577  
FILE NAME: 2569-ah-CulExt.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-ah-CulExt.dgn  
PLOT SCALE = 8.3333 1/In.  
PLOT DATE = 3/30/2020

DESIGNED - AAN  
DRAWN - SJS  
CHECKED - AAN  
DATE - 12/12/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

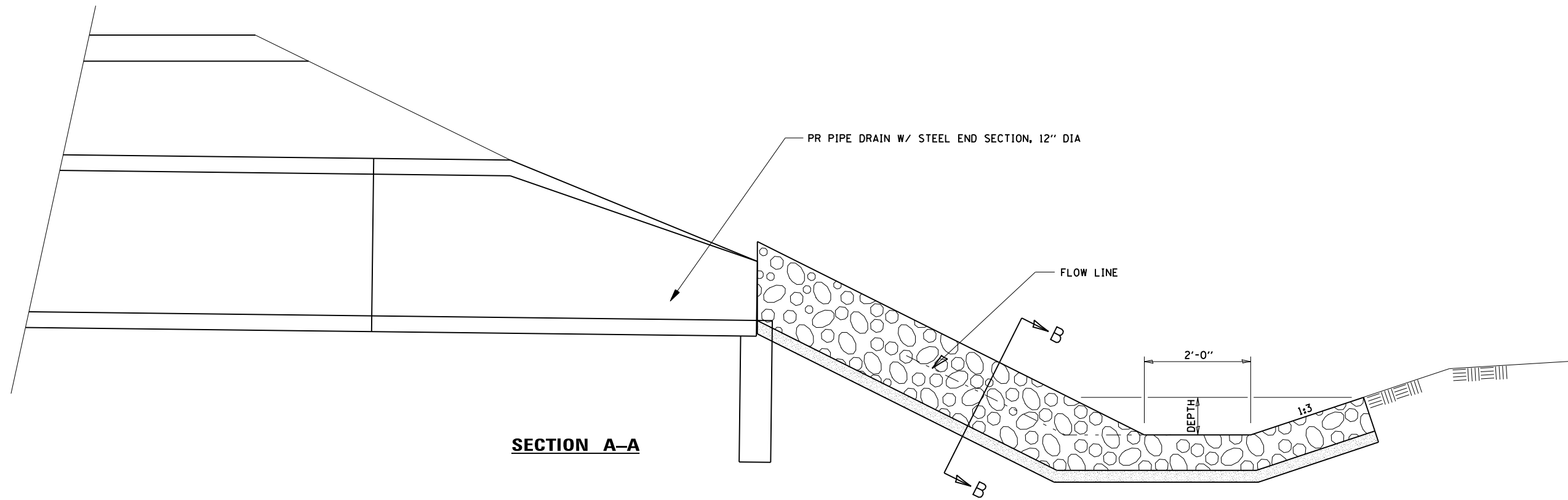
**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**PRECAST CONCRETE BOX CULVERT EXTENSION DETAILS  
STA. 649+19.75**

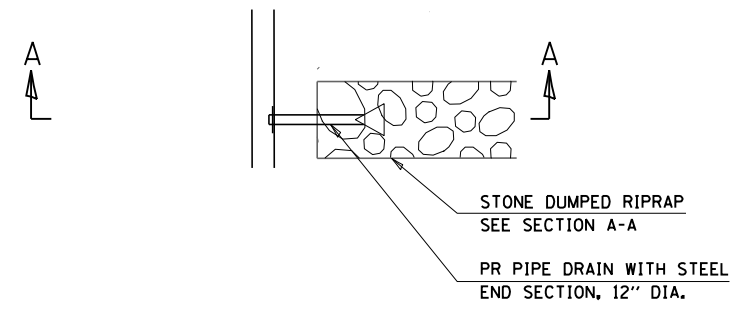
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	32
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

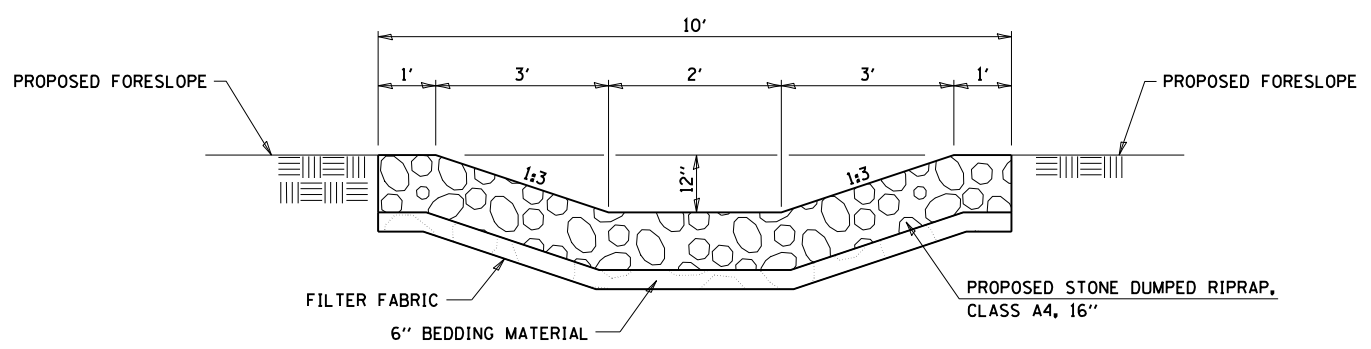




**SECTION A-A**



**PLAN**



**SECTION B-B**

MODEL: Default  
FILE NAME: 2569-rip-swale.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-rip-swale.dgn  
PLOT SCALE = 20,0000' / 1in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 11/20/2017

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

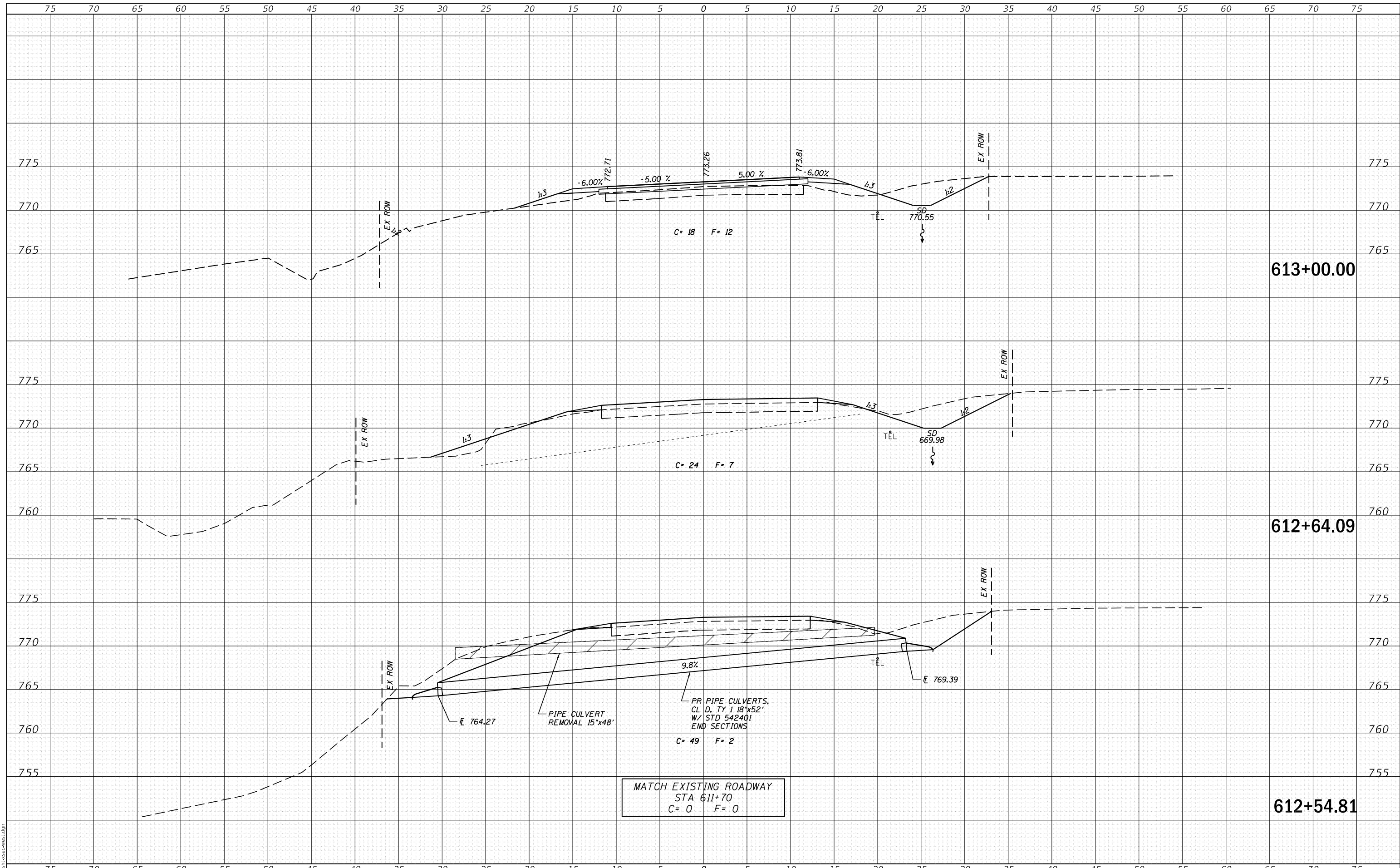
**RIPRAP SWALE DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	33
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 1000'  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

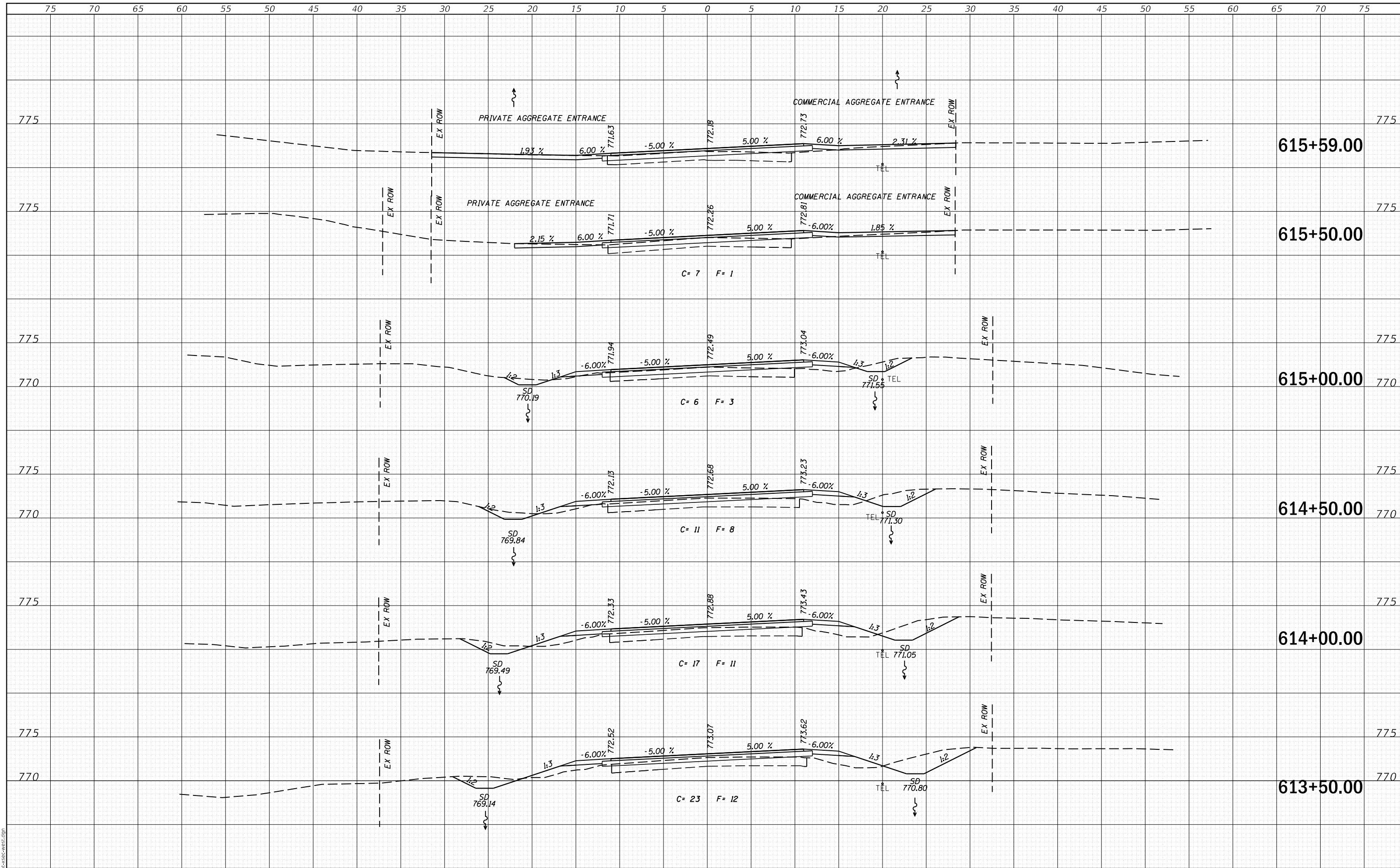
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 612+54.81 TO STA. 613+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	34
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

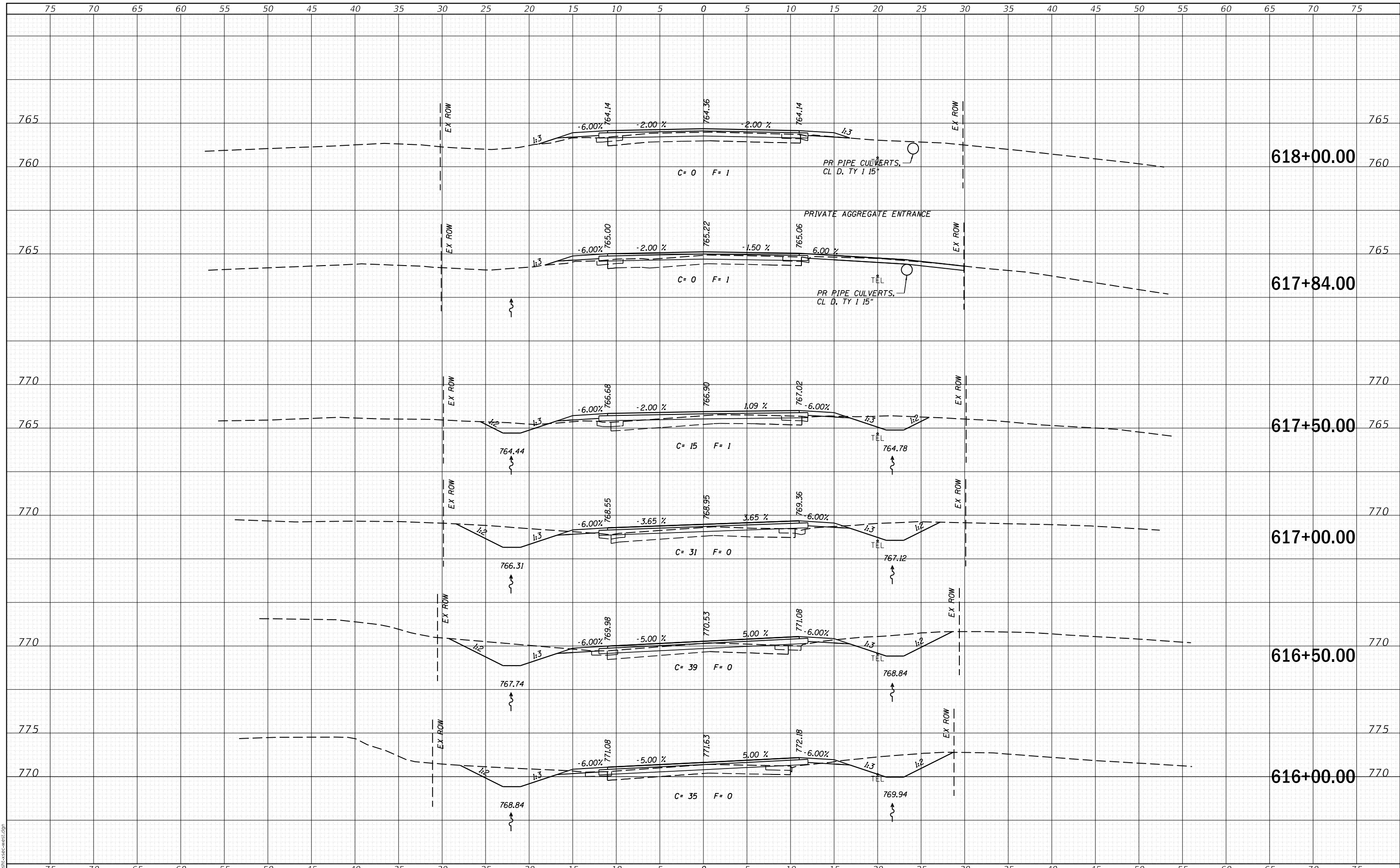
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 613+50.00 TO STA. 615+59.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	35
CONTRACT NO. 97699				
ILLINOIS		FED. AID PROJECT		

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" IN.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

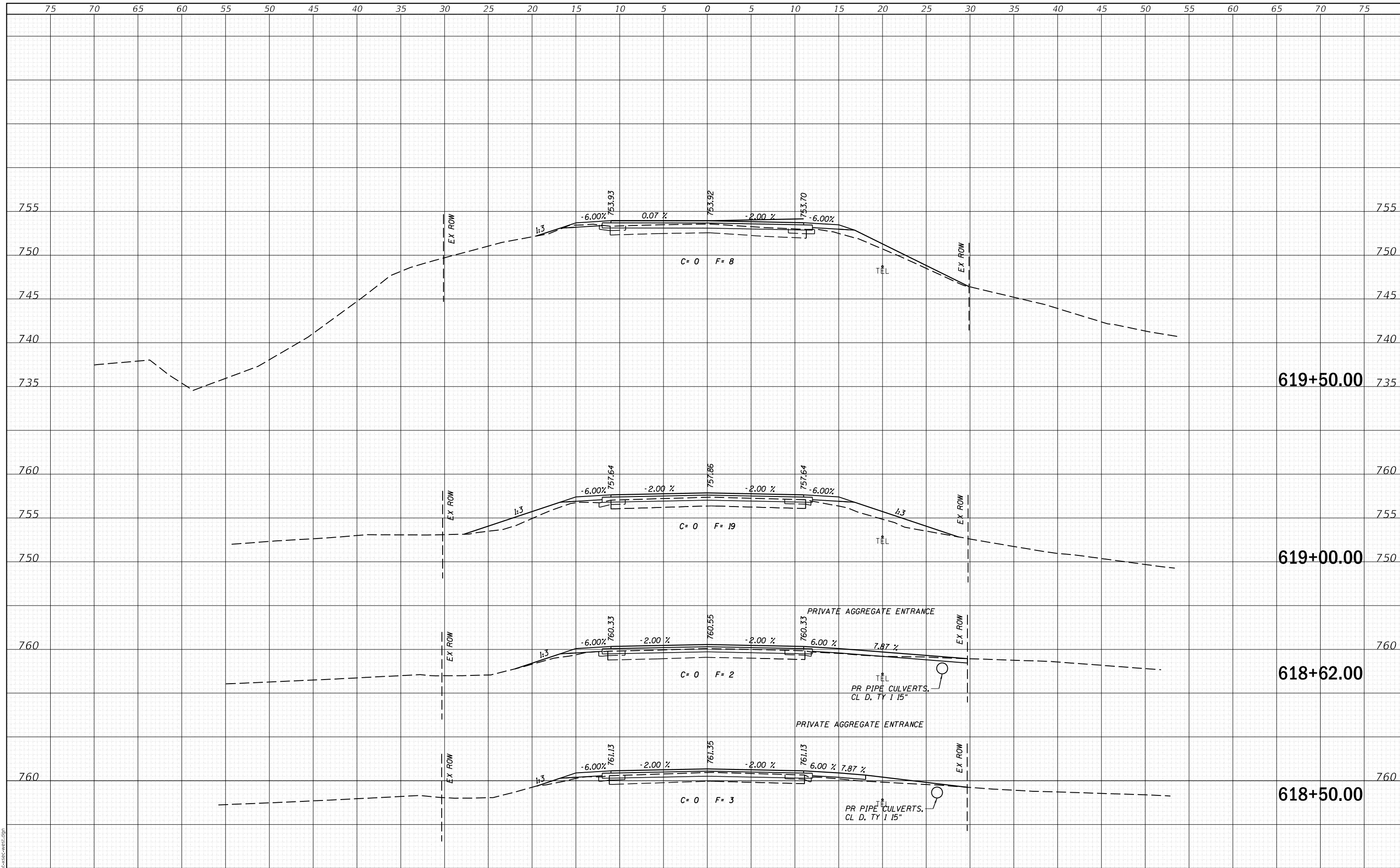
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 616+00.00 TO STA. 618+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	36
CONTRACT NO. 97699				
ILLINOIS		FED. AID PROJECT		

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

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



MODEL: Definit  
FILE NAME: 2569-cht-csc-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-csc-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

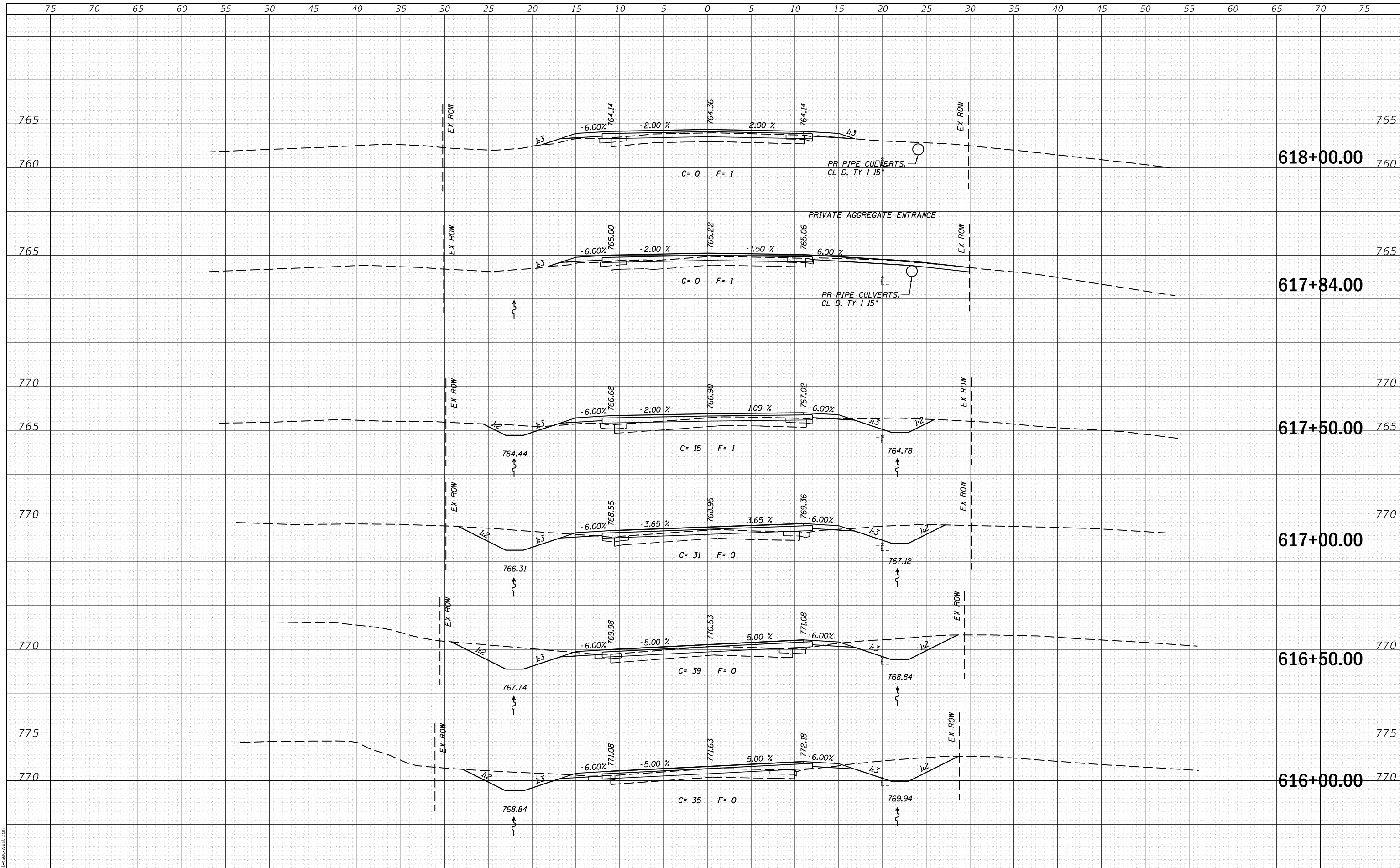
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 618+50.00 TO STA. 619+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	37
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" IN.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

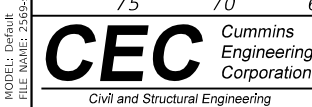
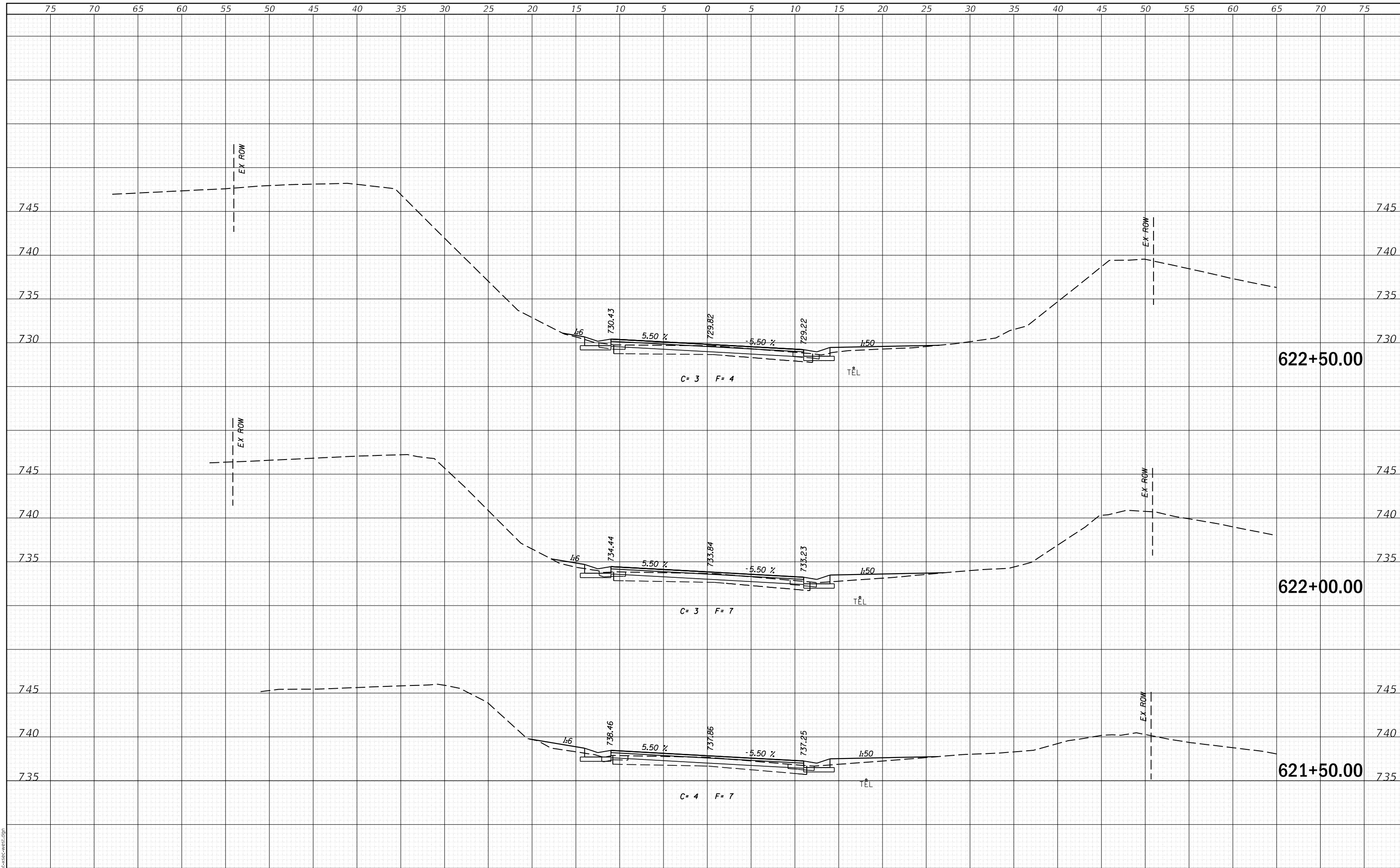
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 616+00.00 TO STA. 618+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	36
CONTRACT NO. 97699				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



JOB = 2569  
 FILE NAME = 2569-cht-xsec-west.dgn  
 PLOT SCALE = 10,000' / in.  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 9/26/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

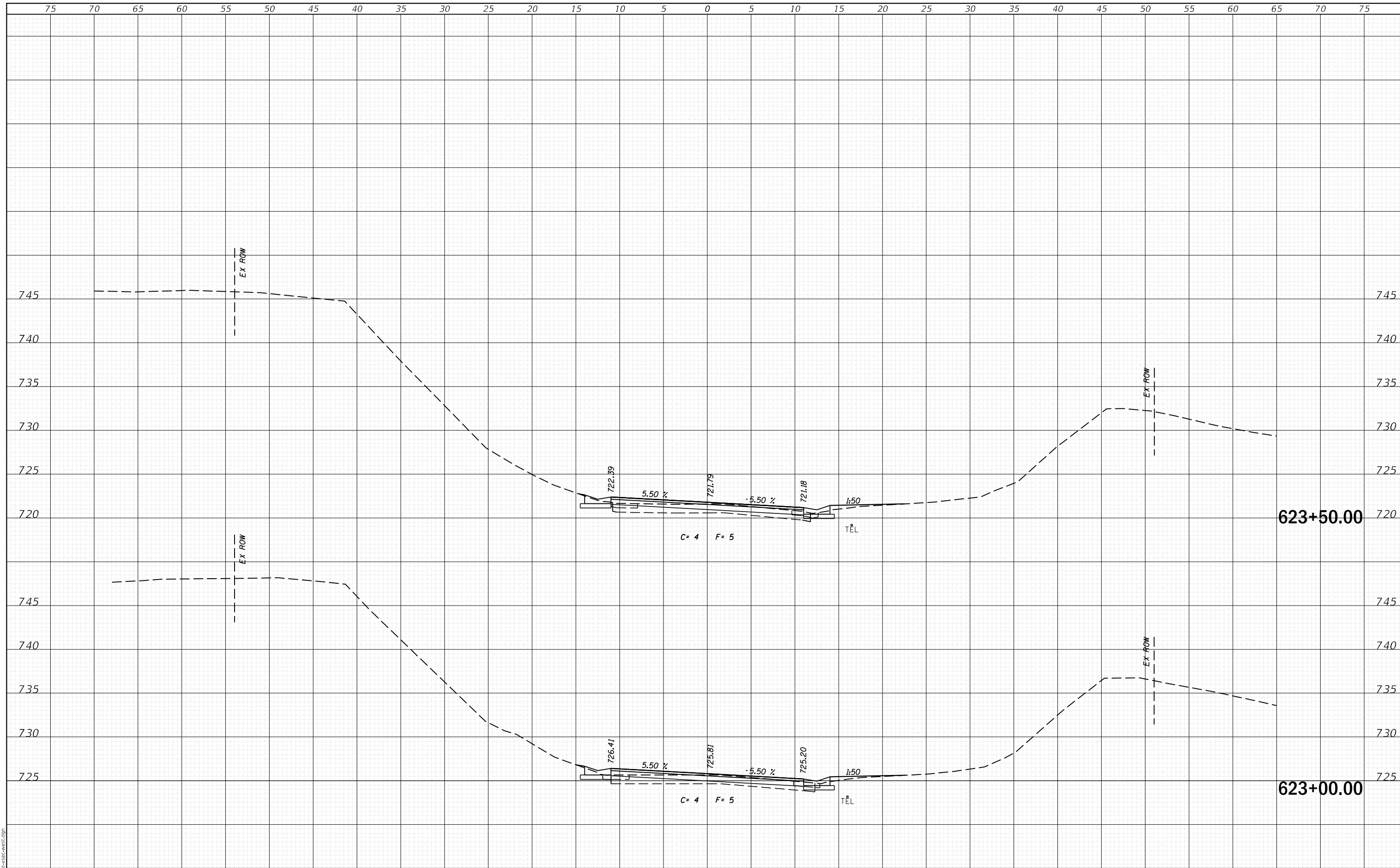
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 621+50.00 TO STA. 622+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	39
CONTRACT NO. 97699				
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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**CROSS SECTIONS**

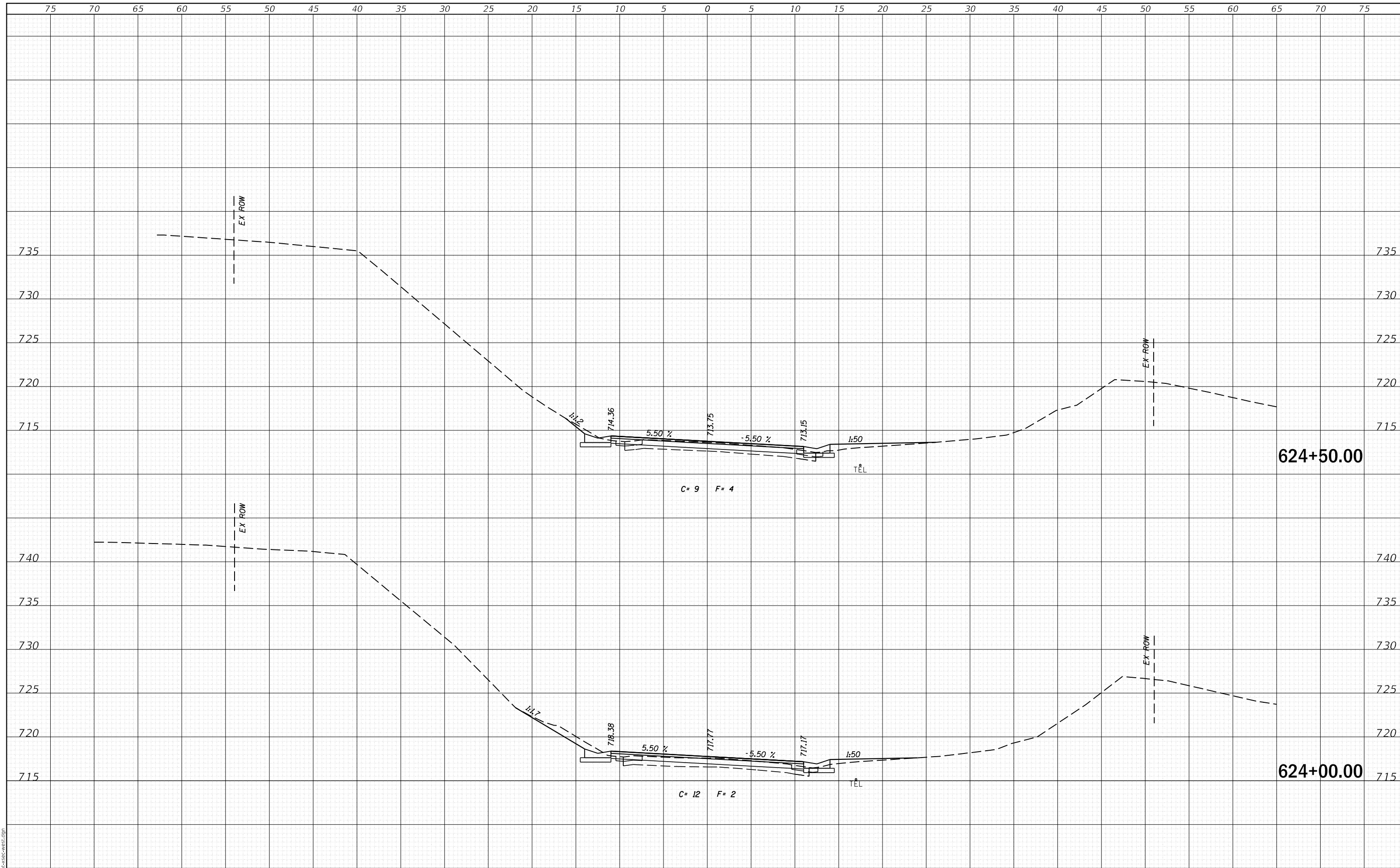
SCALE: SHEET OF SHEETS STA. 623+00.00 TO STA. 623+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	40
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

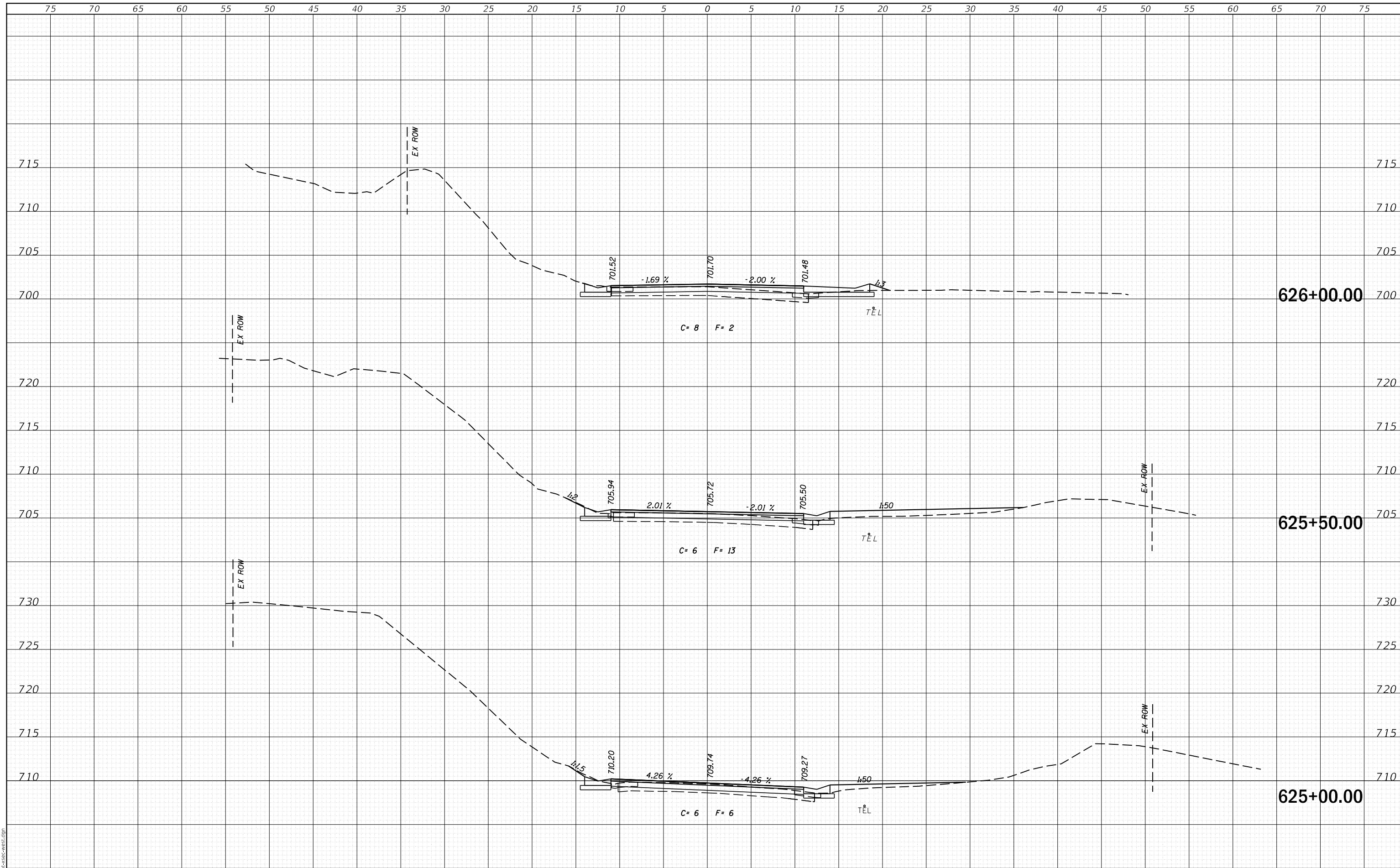
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 624+00.00 TO STA. 624+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	41
CONTRACT NO. 97699				
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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

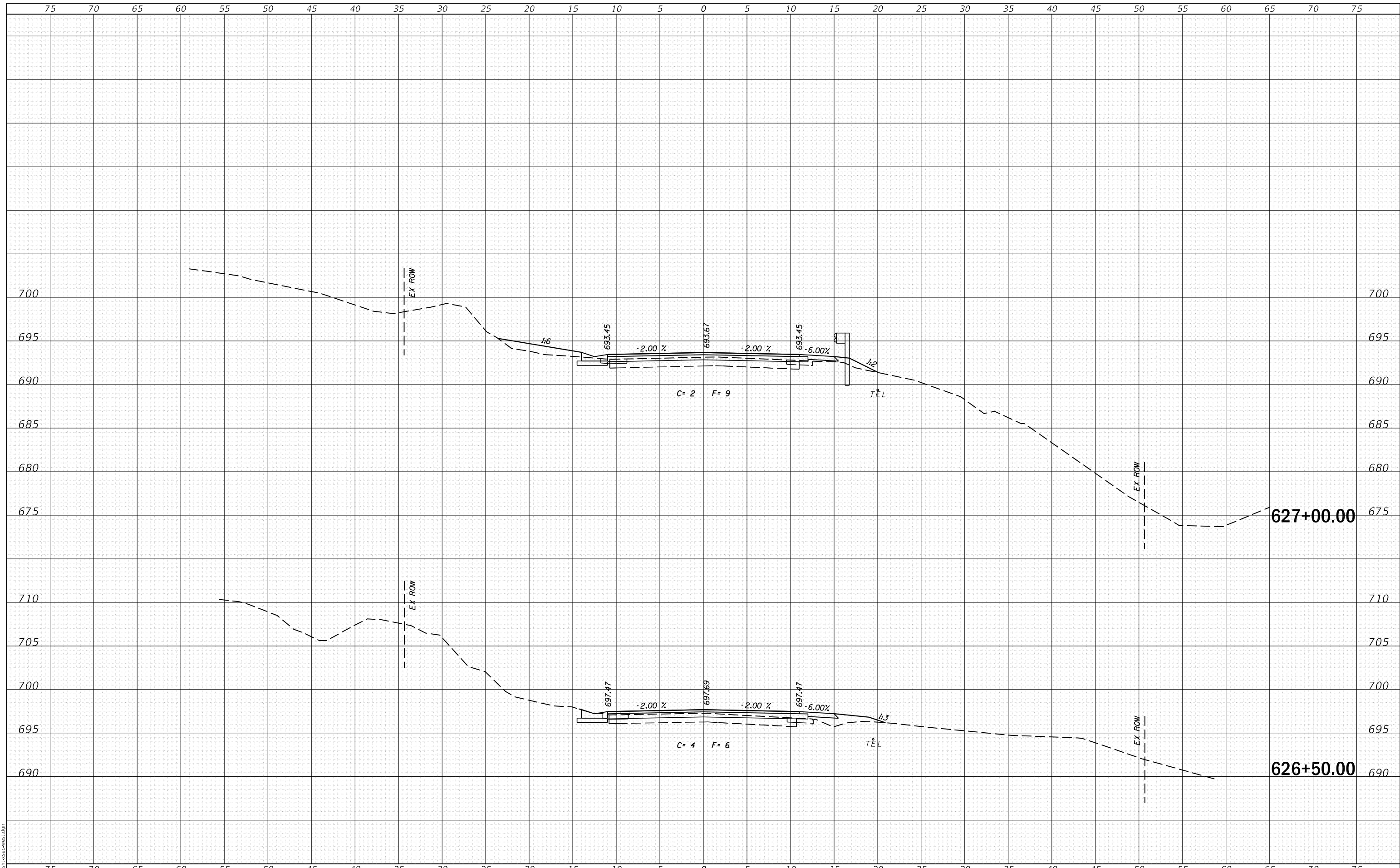
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 625+00.00 TO STA. 626+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	42
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

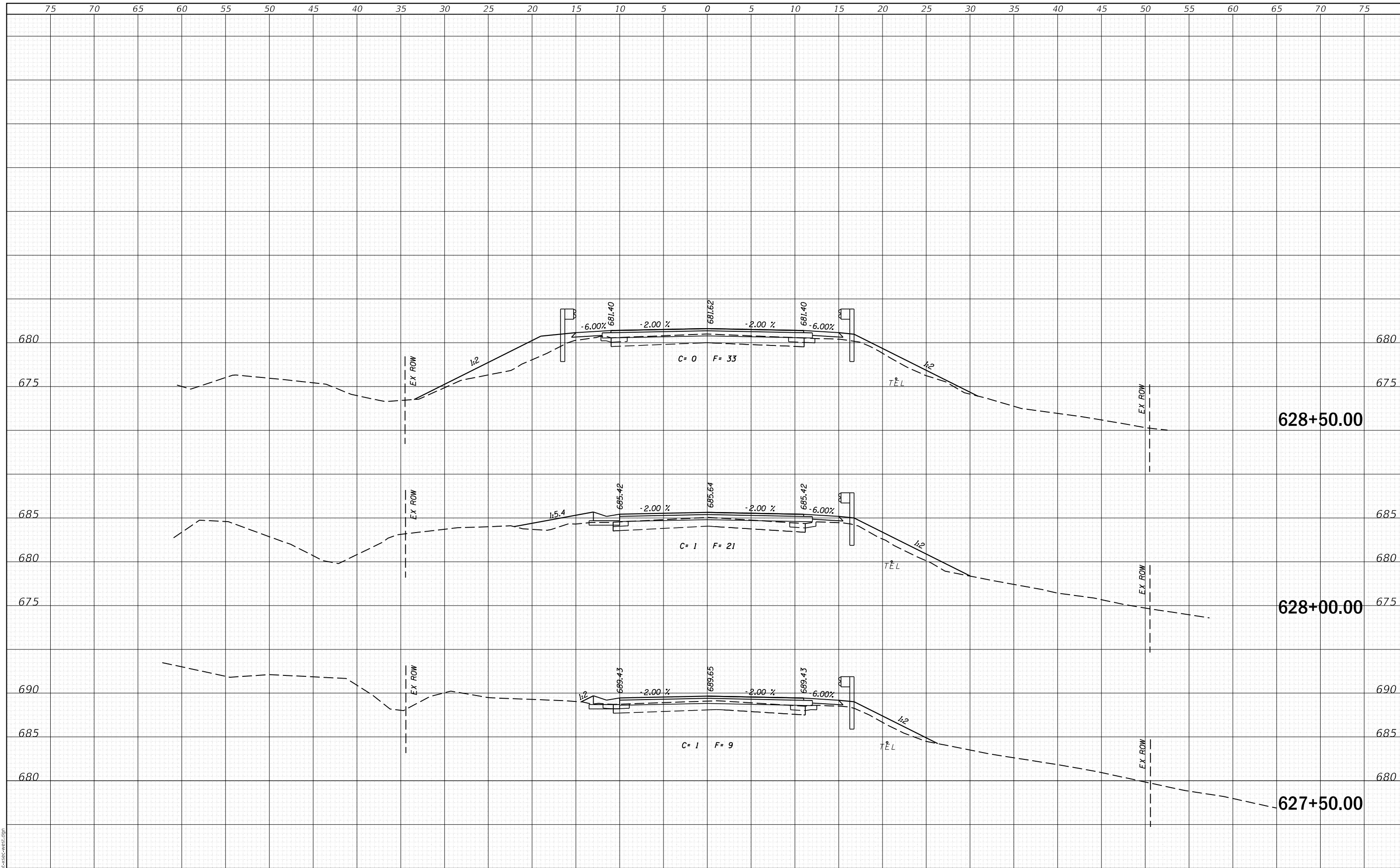
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 626+50.00 TO STA. 627+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	43
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
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NOTE BOOK	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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MODEL: Definit  
FILE NAME: 2569-eh1-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

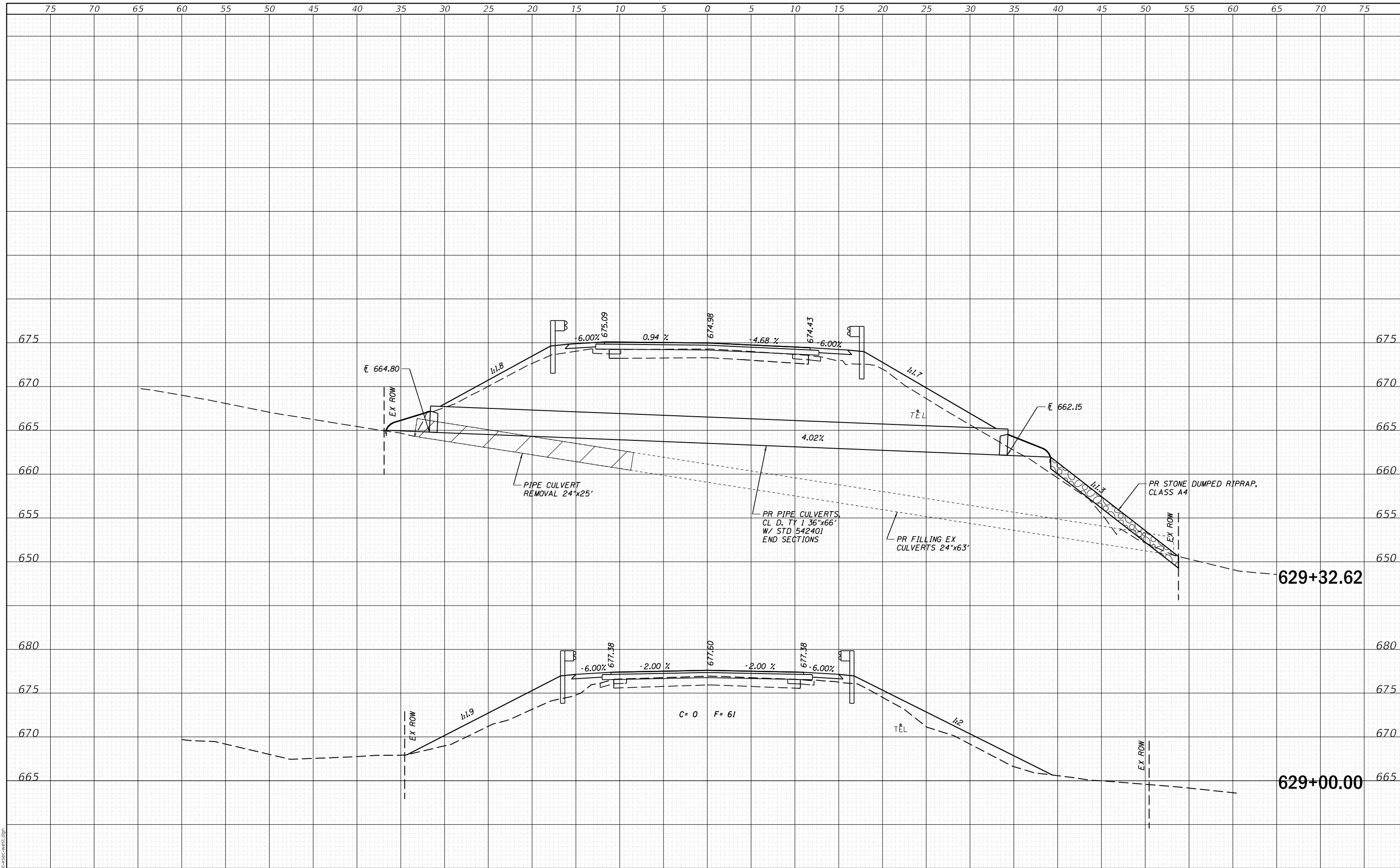
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 627+50.00 TO STA. 628+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	44
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
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NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

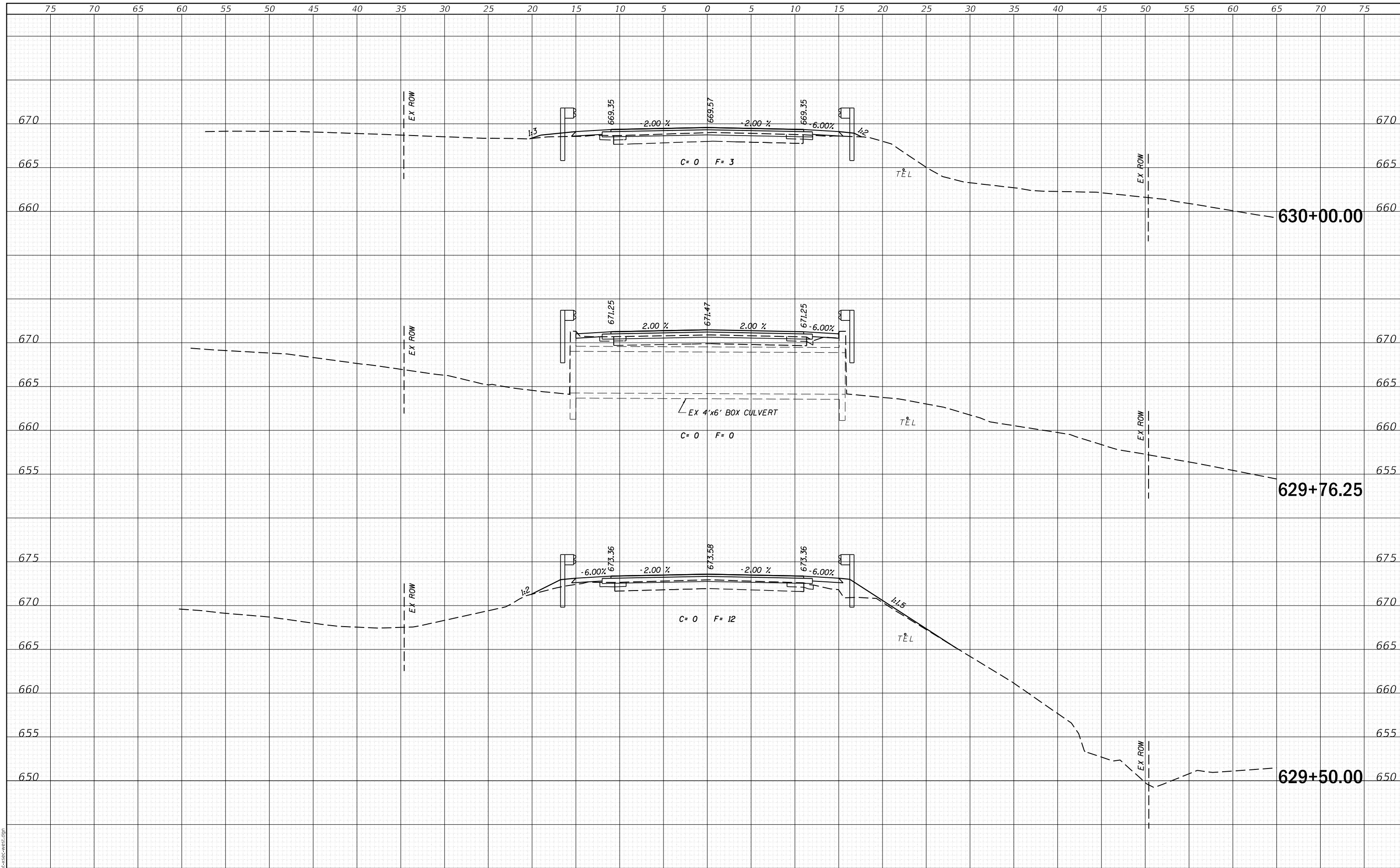
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 629+00.00 TO STA. 629+32.62

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	45
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

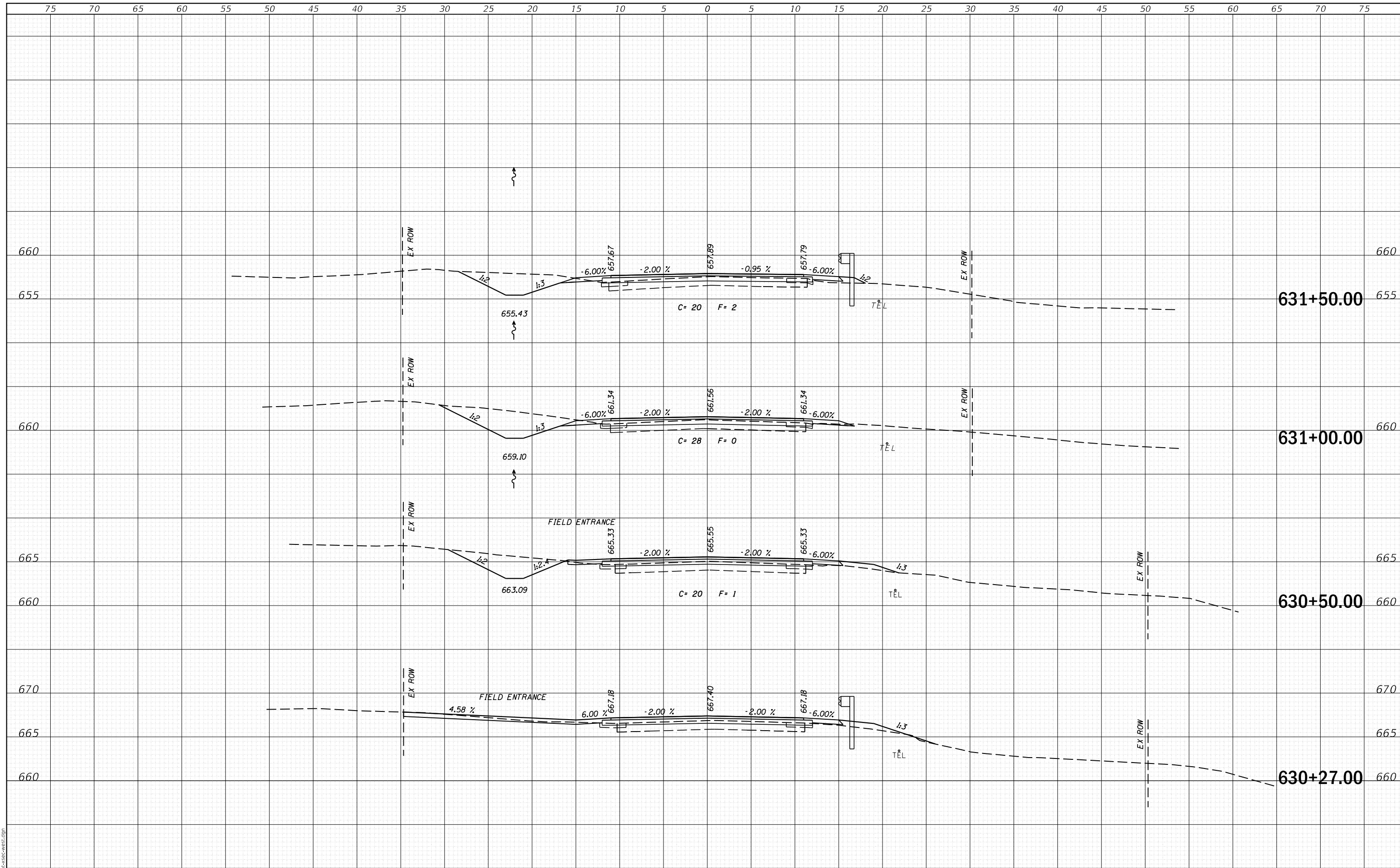
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 629+50.00 TO STA. 630+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	46
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-eh-cc-west.dgn



JOB = 2569  
FILE NAME = 2569-eh-cc-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

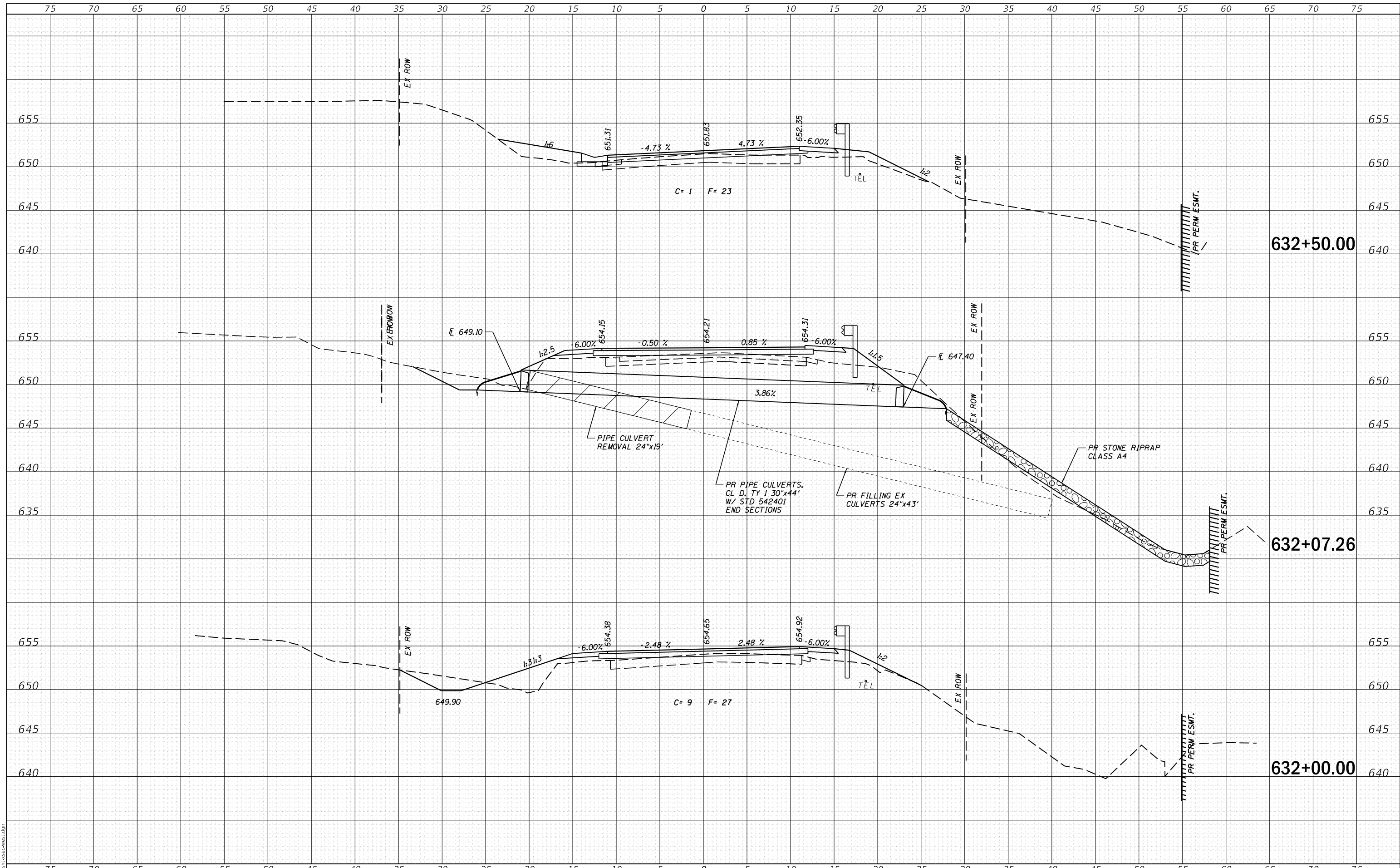
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 630+27.00 TO STA. 631+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	47
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
DATE = 9/26/2018

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

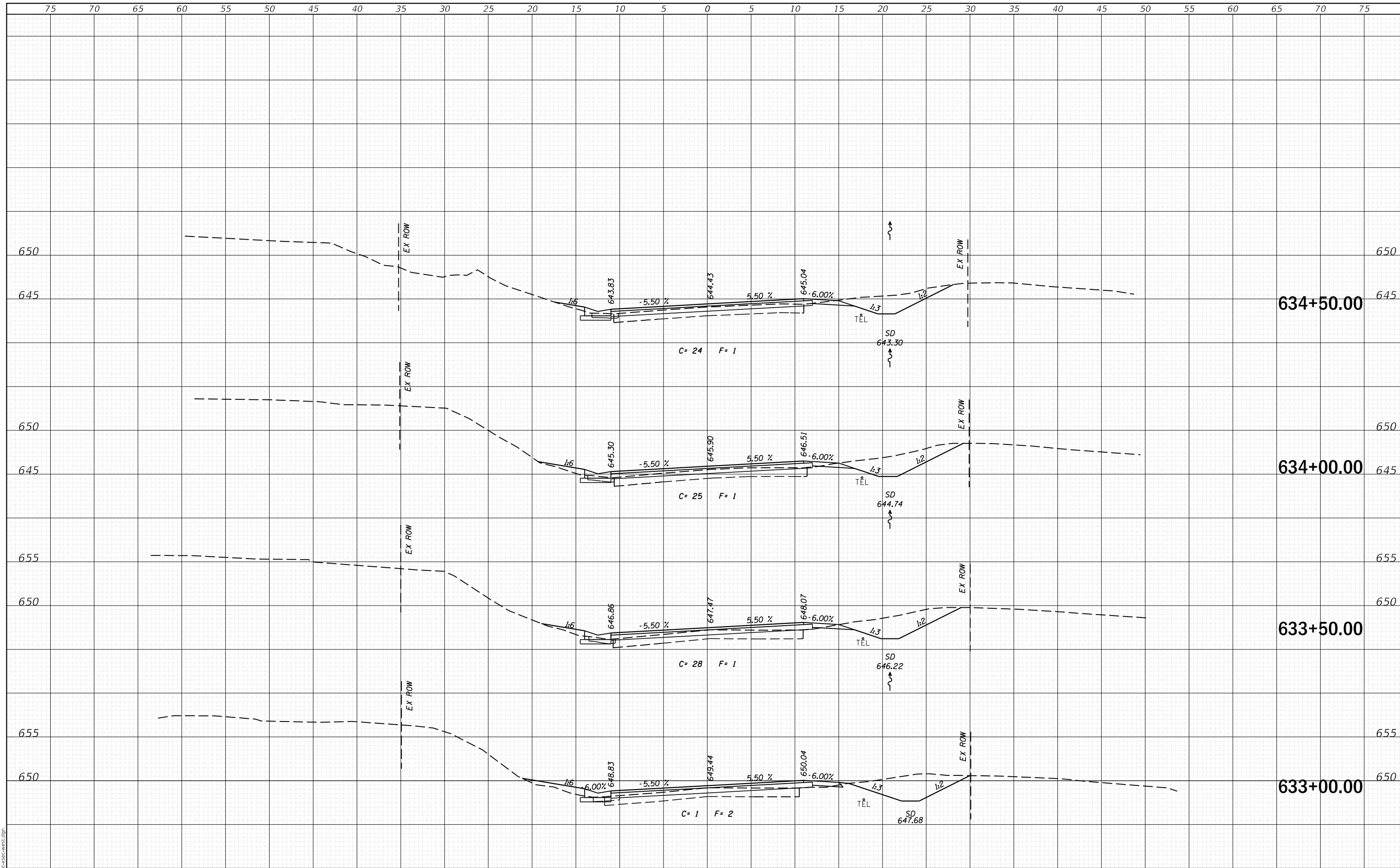
**CROSS SECTIONS**  
SCALE: SHEET OF SHEETS STA. 632+00.00 TO STA. 632+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	48
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" IN.  
DATE = 9/26/2018

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

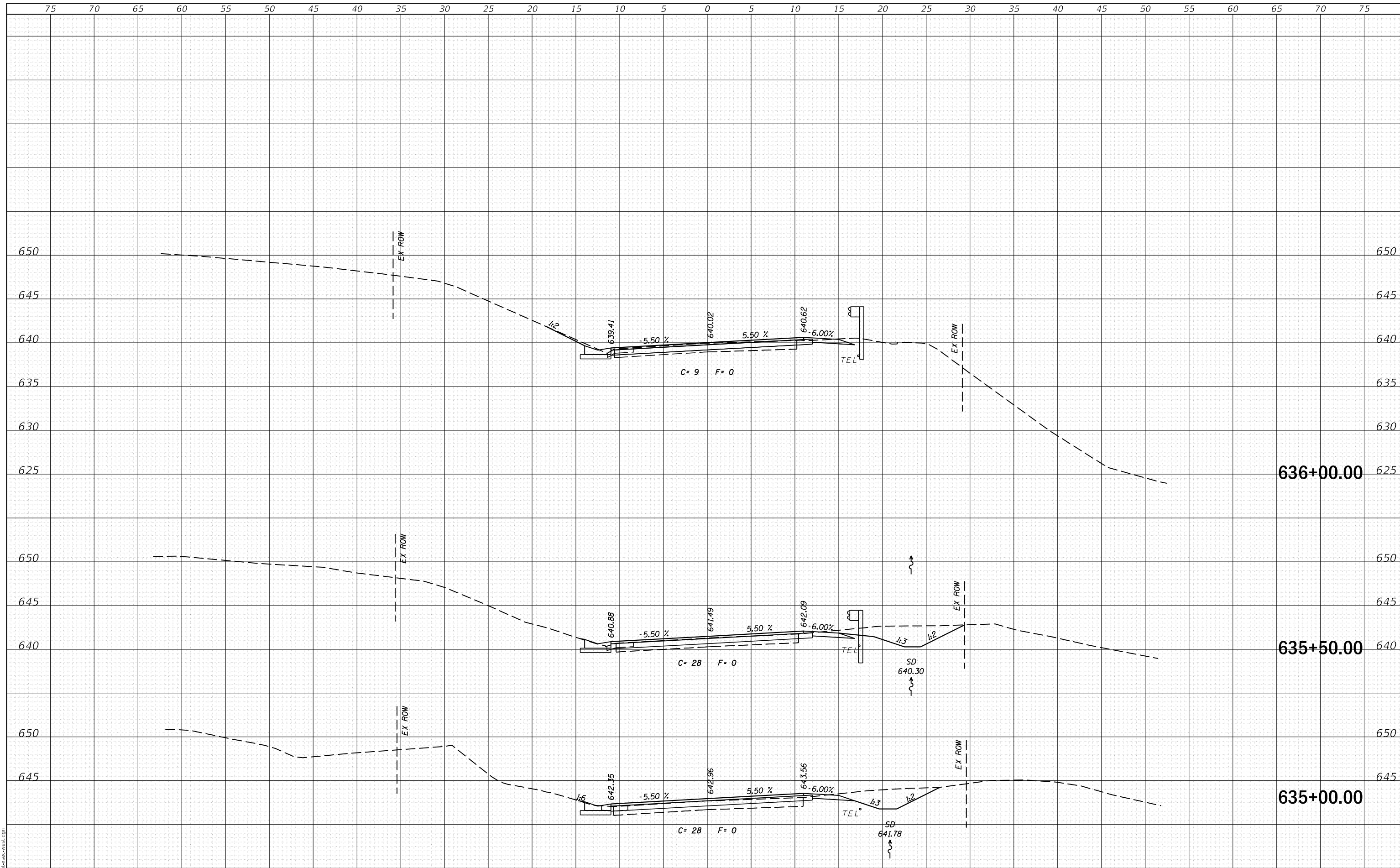
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 633+00.00 TO STA. 634+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	49
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

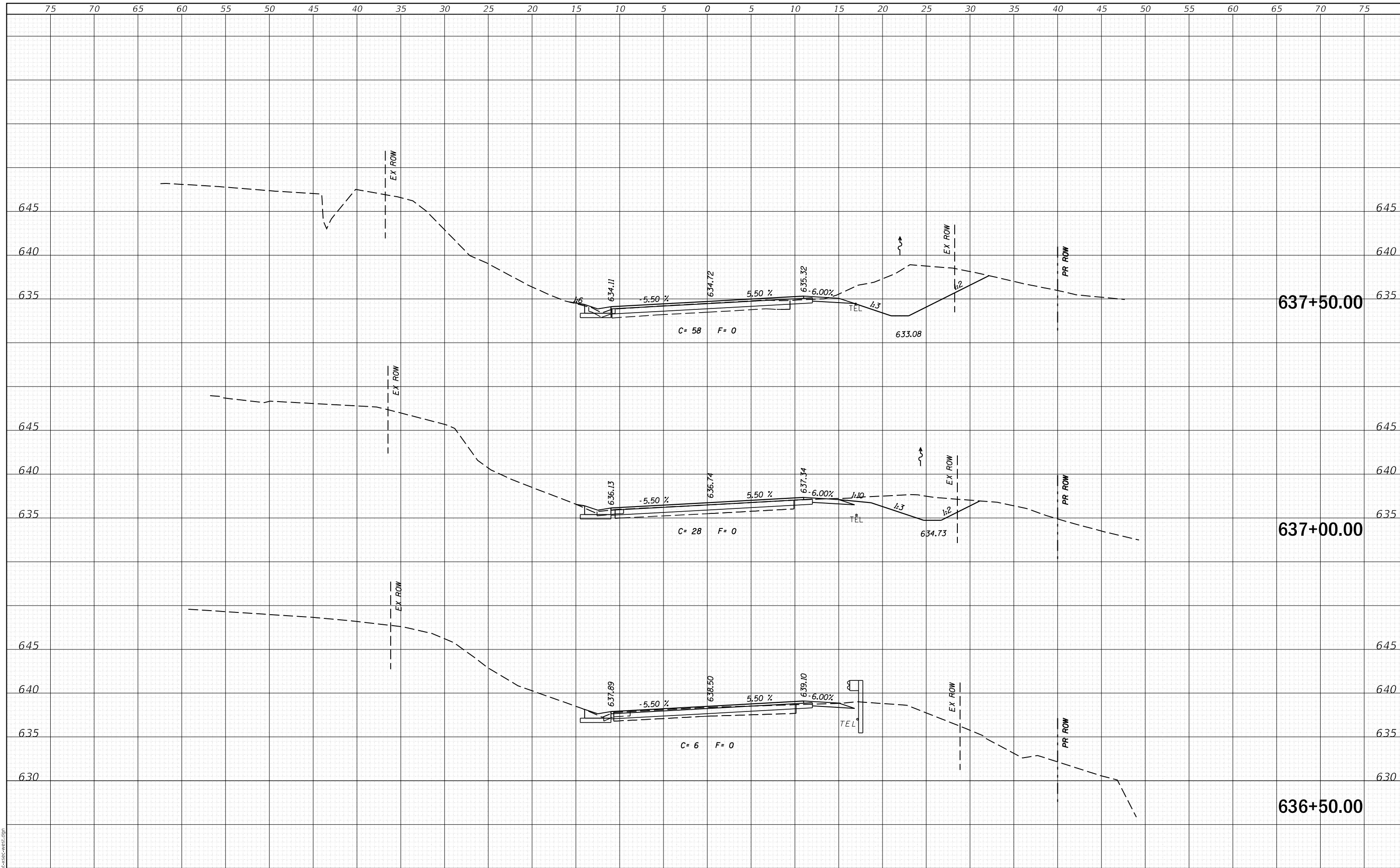
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 635+00.00 TO STA. 636+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	50
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
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NOTE BOOK	
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DATE	
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NOTE BOOK	
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MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

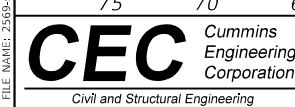
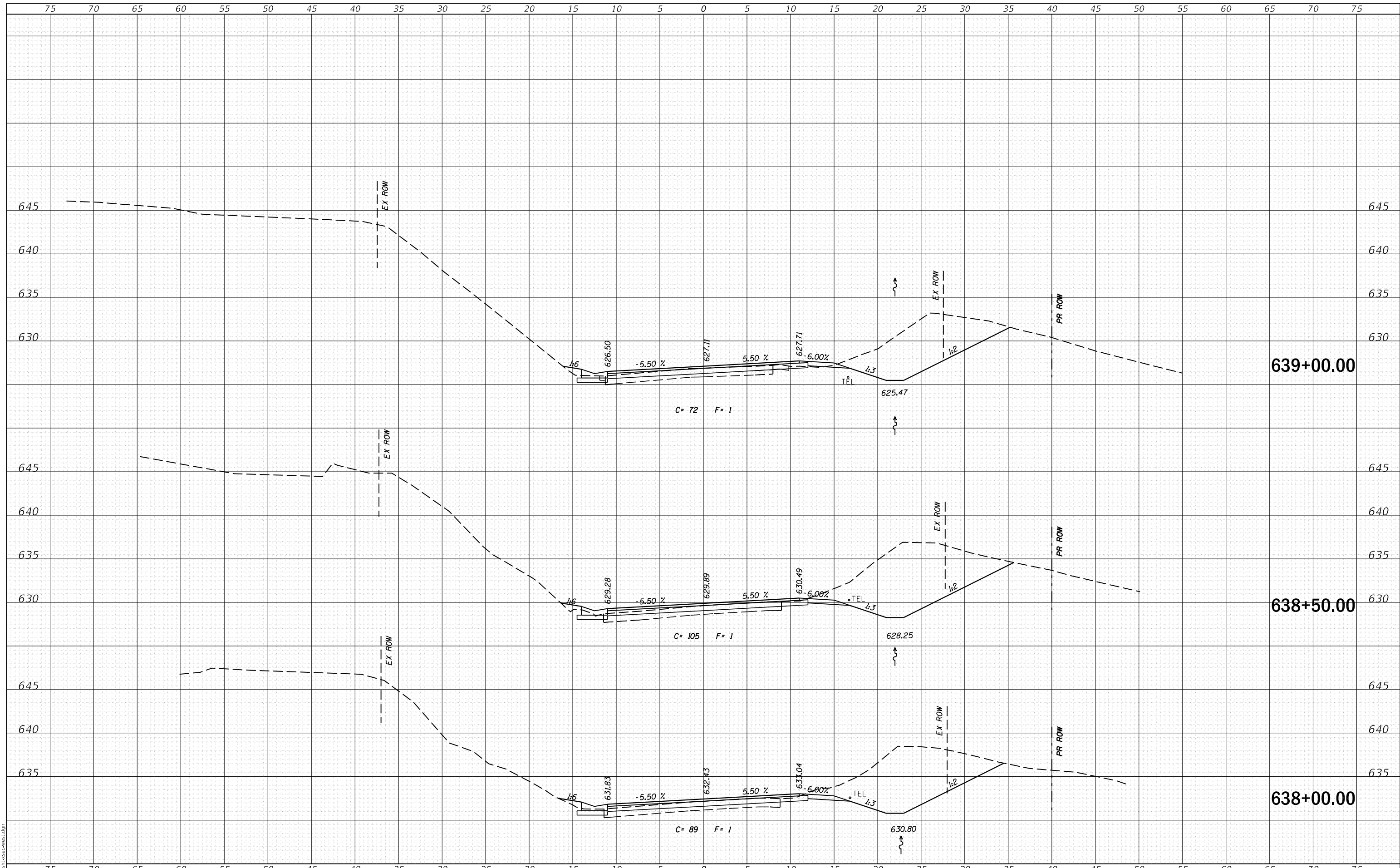
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 636+50.00 TO STA. 637+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	71	51
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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



JOB = 2569  
 FILE NAME = 2569-cht-xsec-west.dgn  
 PLOT SCALE = 10,000' / 1" = 1" = 100' = 100000  
 PLOT DATE = 3/30/2020

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 9/26/2018

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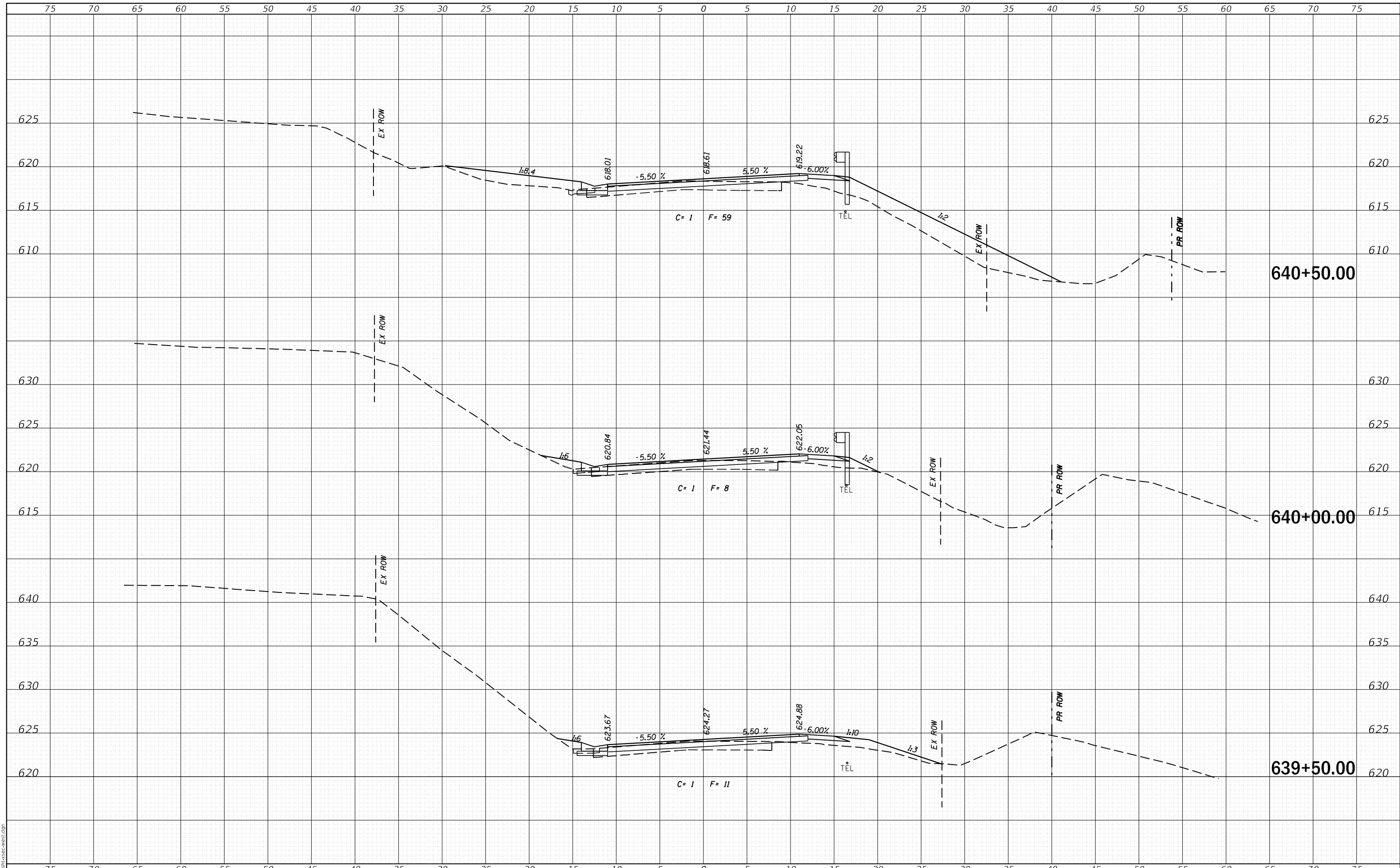
**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

**CROSS SECTIONS**  
 SCALE: SHEET OF SHEETS STA. 638+00.00 TO STA. 639+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	72	52
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-eh-cc-csc-west.dgn



JOB = 2569  
FILE NAME = 2569-eh-cc-csc-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 100000  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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REVISED -  
REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

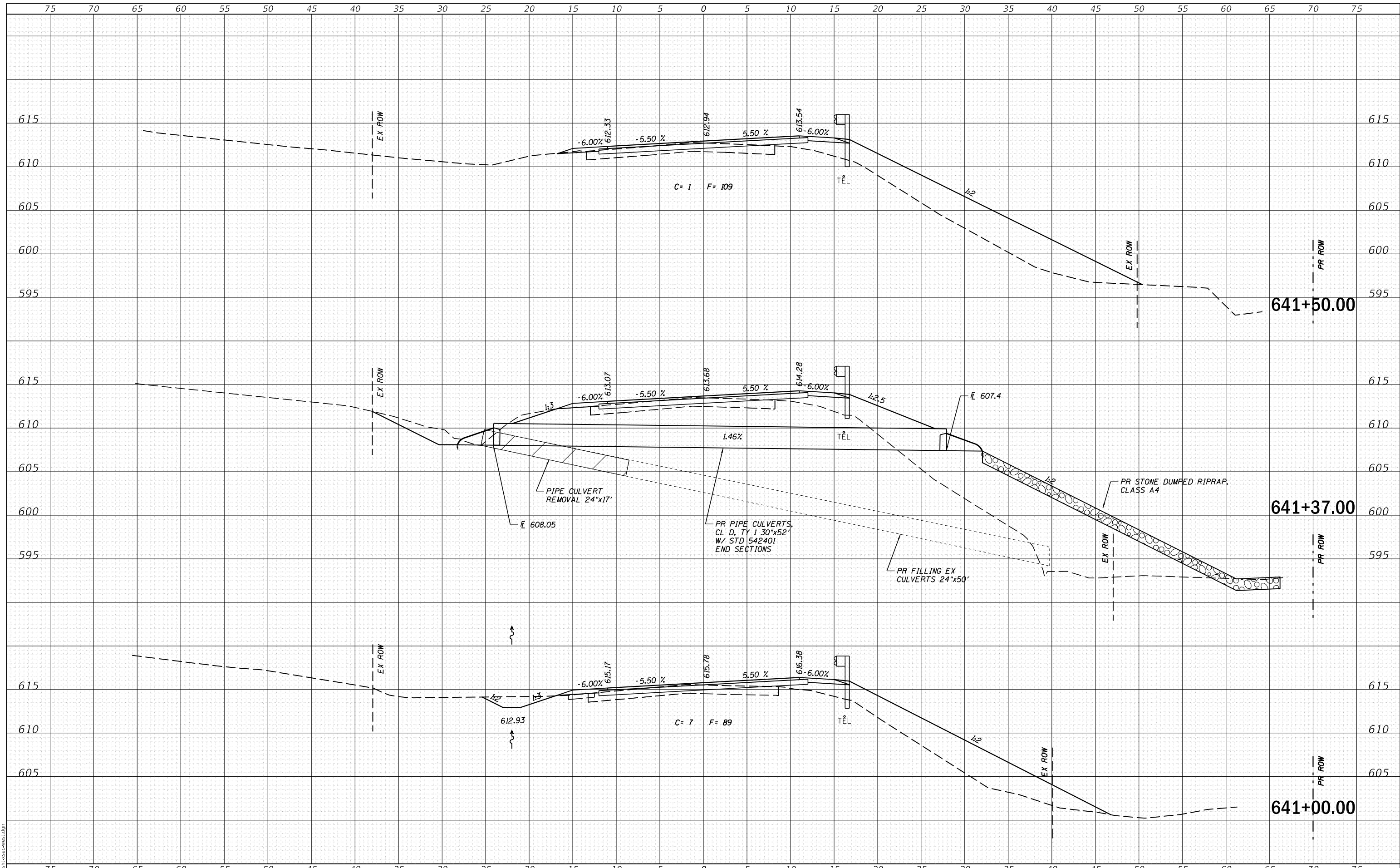
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 639+50.00 TO STA. 640+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	53
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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



MODEL: Definit  
FILE NAME: 2569-eh1-xsec-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

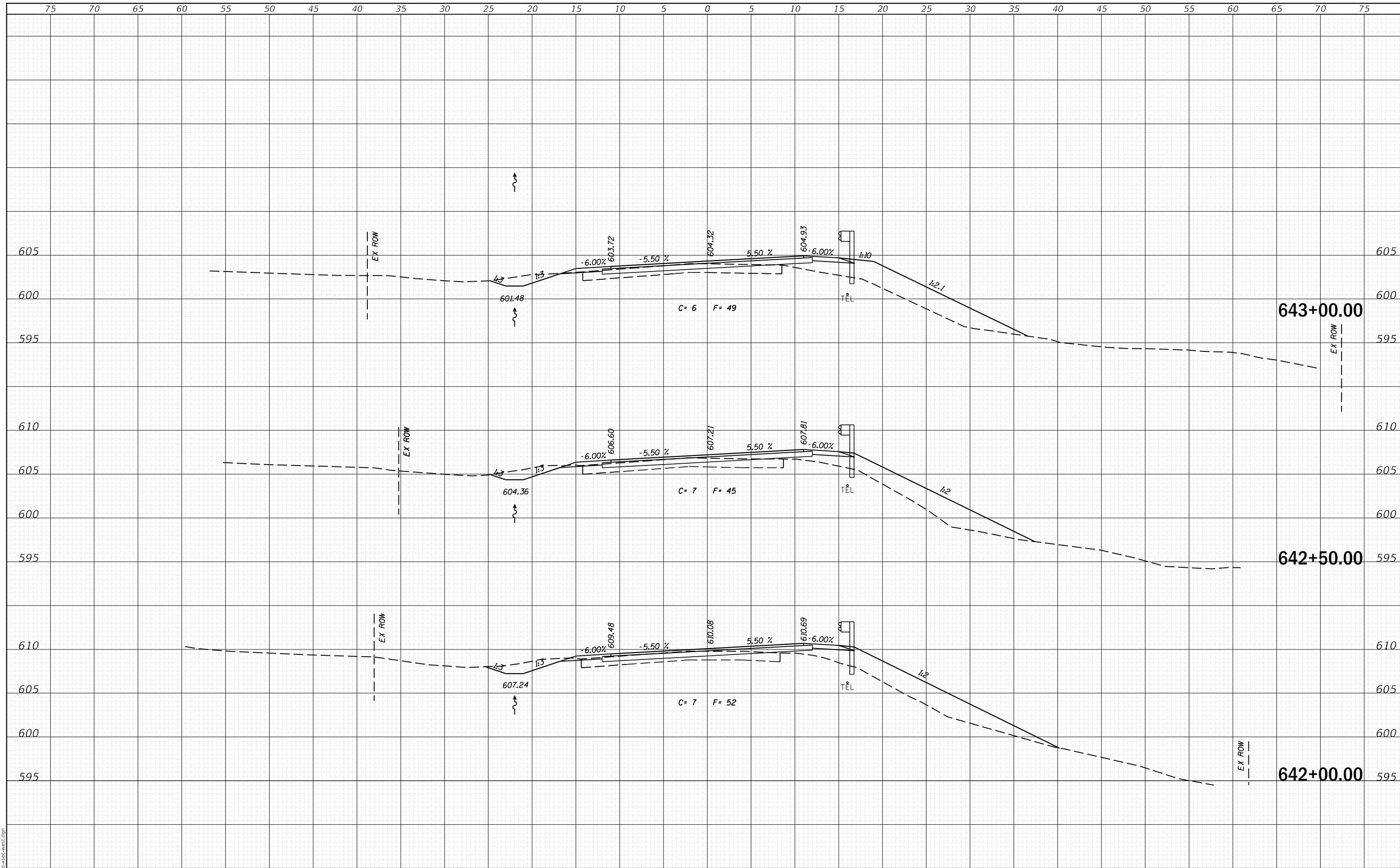
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 641+00.00 TO STA. 641+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	54
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

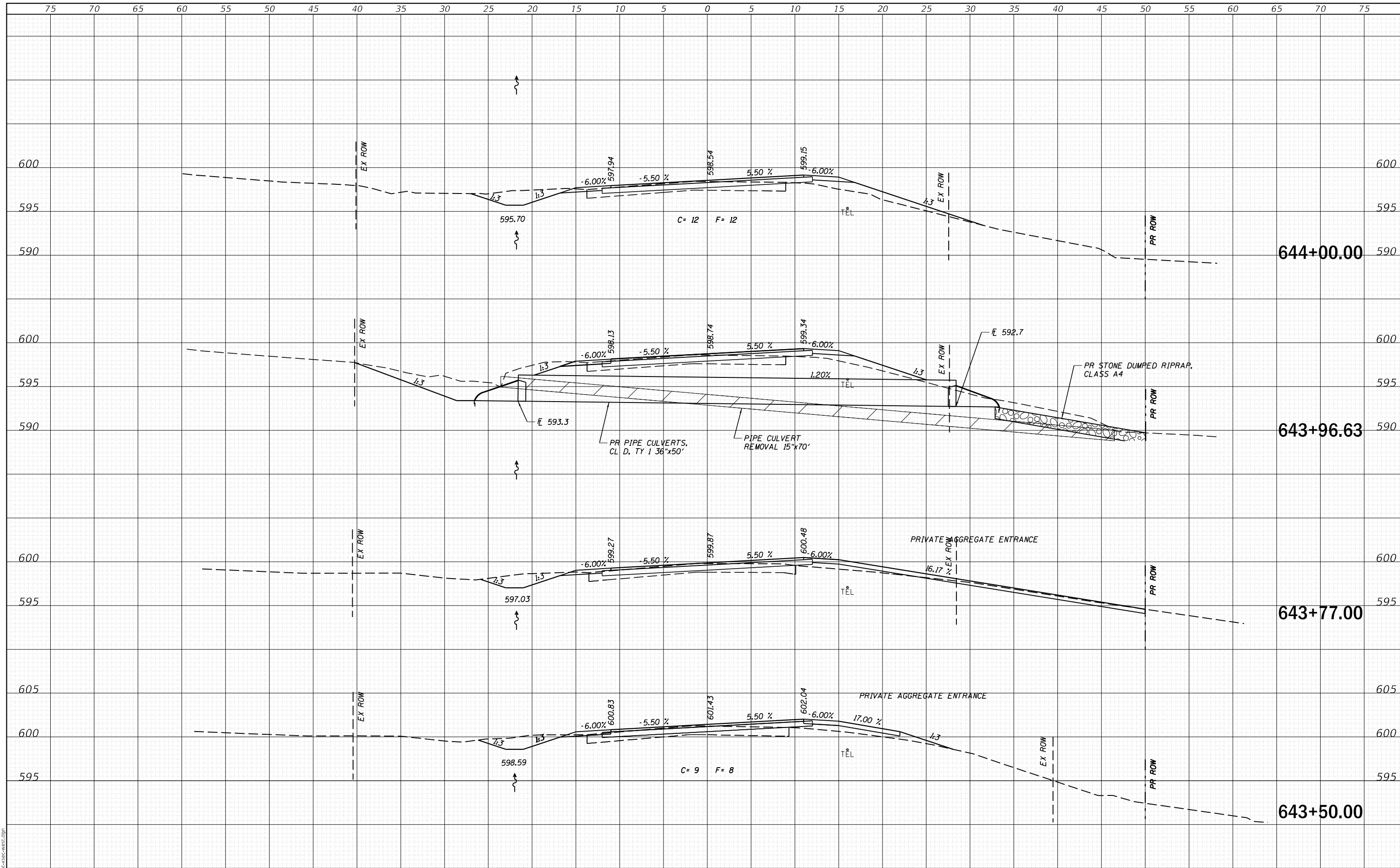
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 642+00.00 TO STA. 643+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	55
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**CROSS SECTIONS**

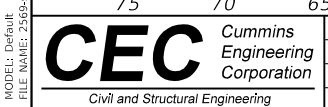
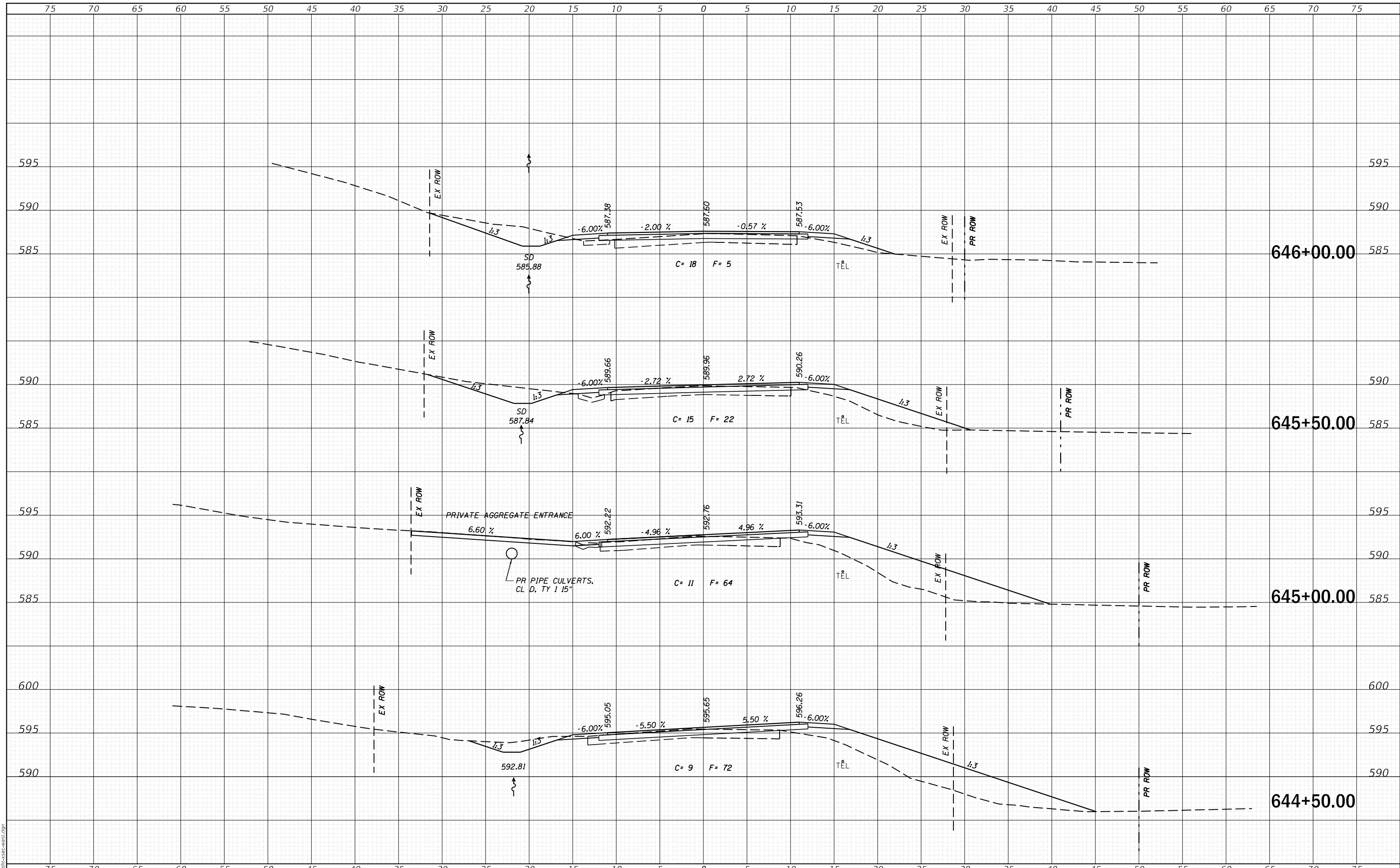
SCALE: SHEET OF SHEETS STA. 643+50.00 TO STA. 644+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	56
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
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JOB = 2569	DESIGNED - NAK	REVISED -
FILE NAME = 2569-eh1-xsec-west.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10,000' / 1 in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/30/2020	DATE - 9/26/2018	REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

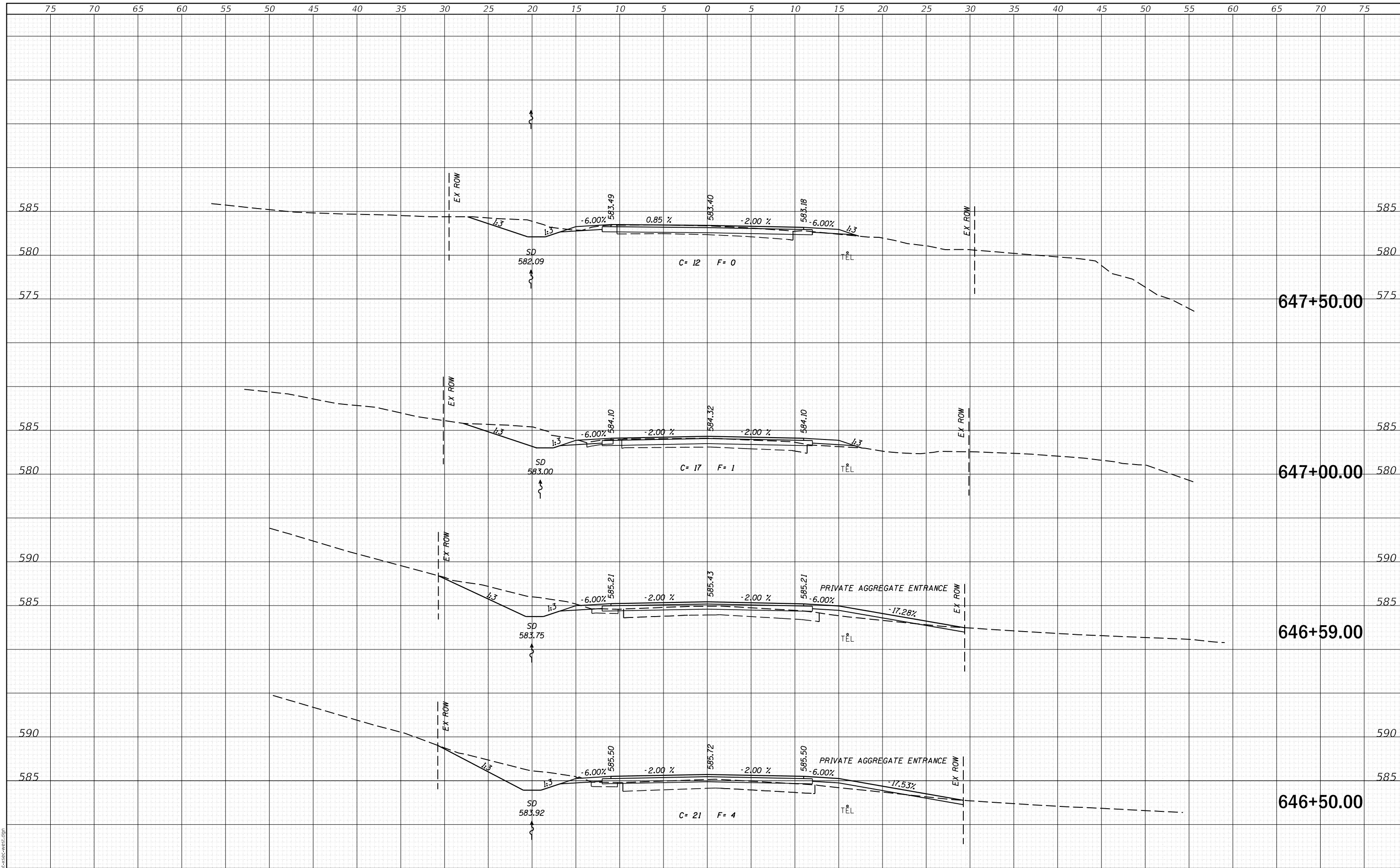
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 644+50.00 TO STA. 646+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	57
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

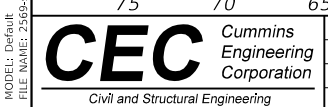
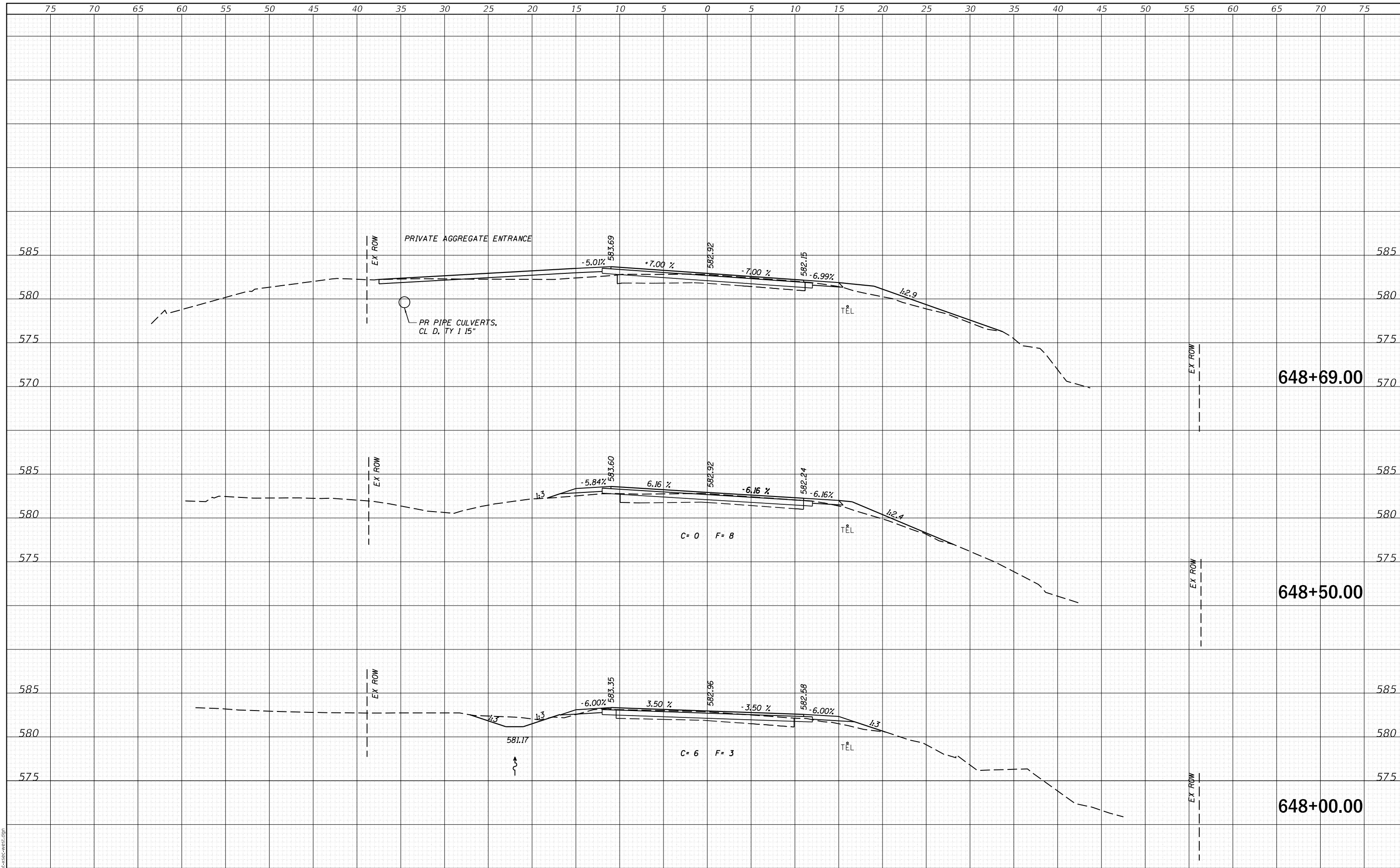
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 646+50.00 TO STA. 647+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	58
CONTRACT NO. 97699				
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



JOB = 2569  
 FILE NAME = 2569-cht-xsec-west.dgn  
 PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
 DATE = 9/26/2018

DESIGNED - NAK  
 DRAWN - SJS  
 CHECKED - NAK  
 DATE - 9/26/2018

REVISED -  
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**CALHOUN COUNTY  
 CH 6 IMPROVEMENTS**

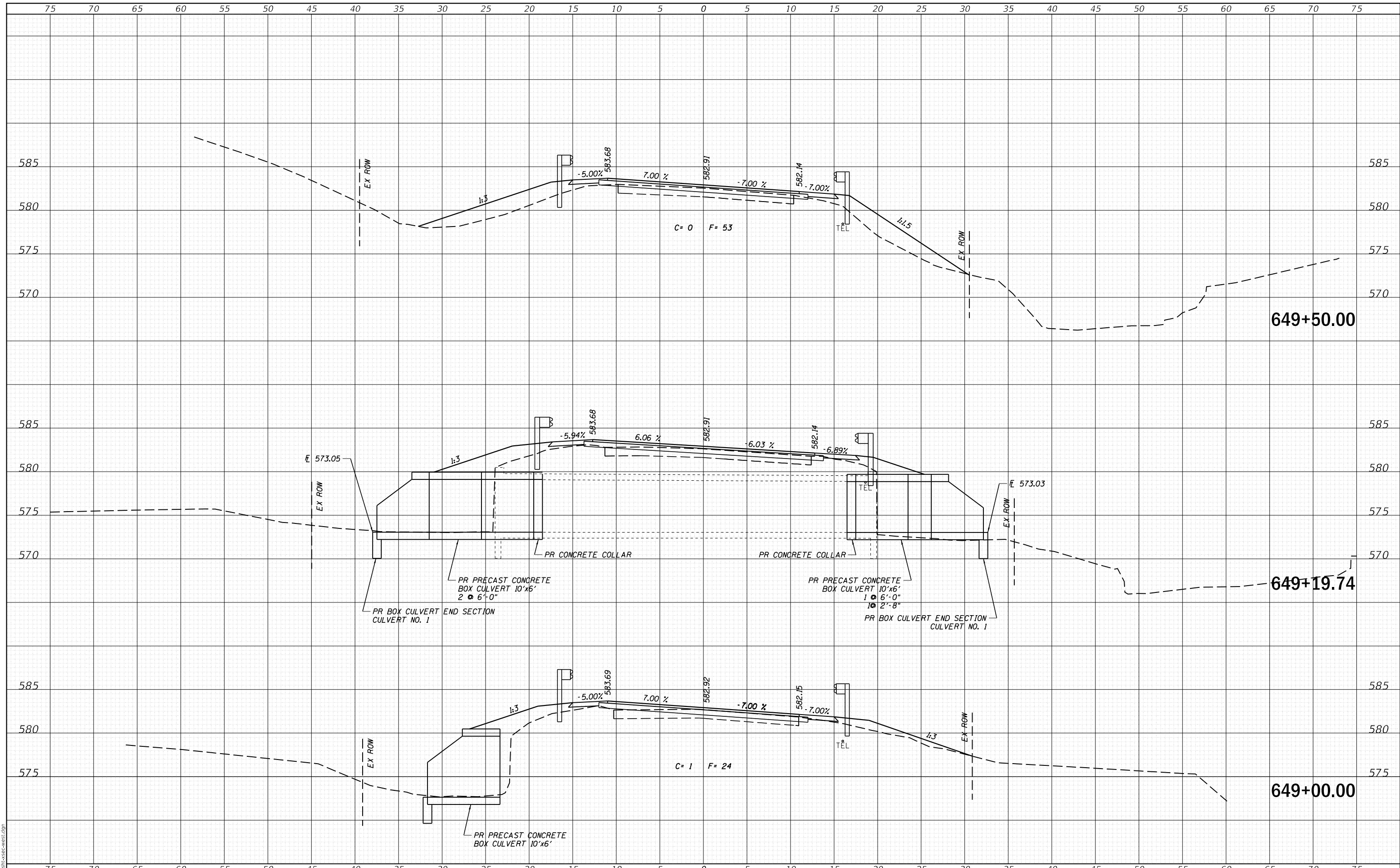
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 648+00.00 TO STA. 648+69.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	59
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

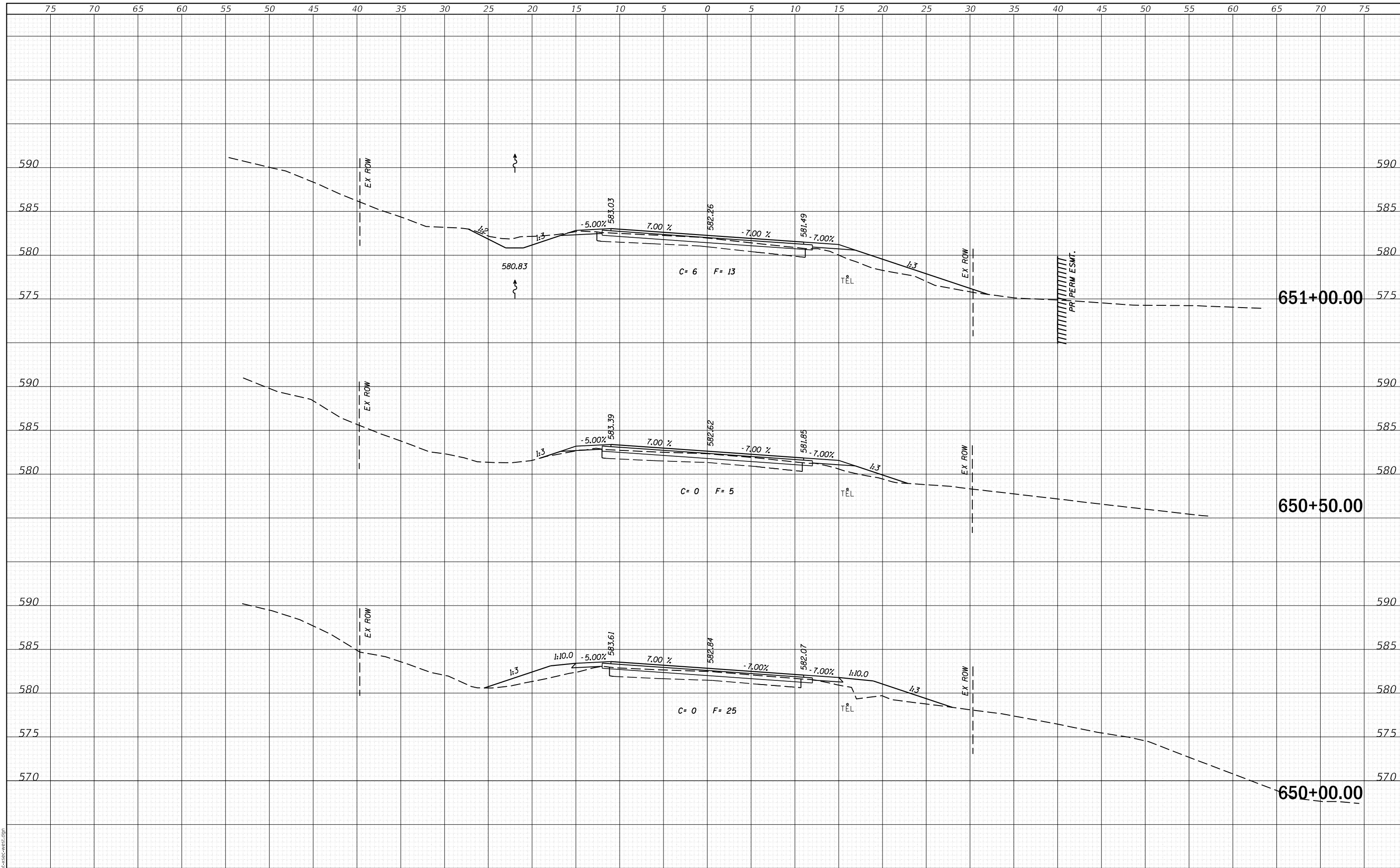
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 649+00.00 TO STA. 649+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	60
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



MODEL: Definit  
FILE NAME: 2569-eh1-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

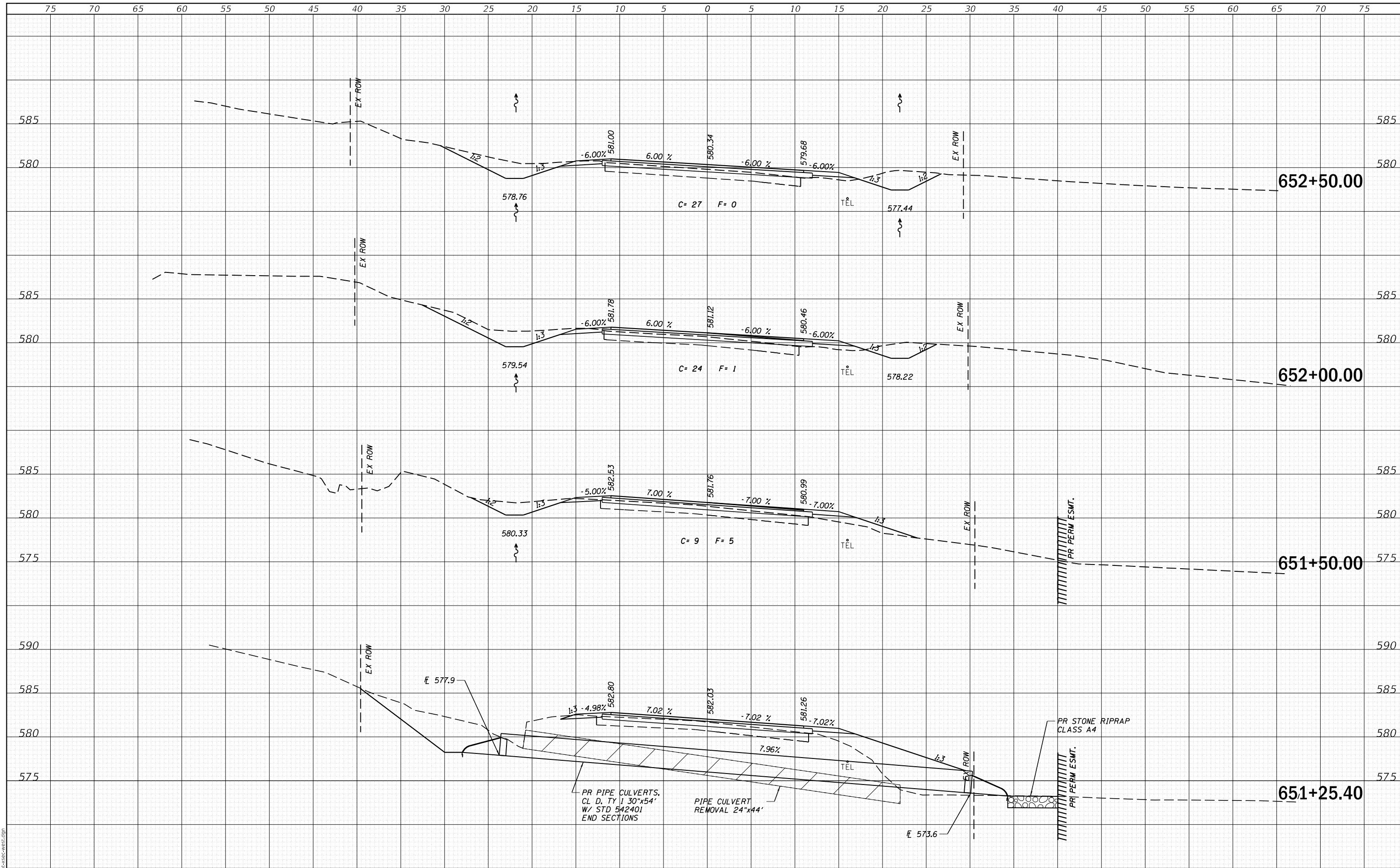
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 650+00.00 TO STA. 651+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	61
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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



MODEL: Definit  
FILE NAME: 2569-eh-west.dgn



JOB = 2569  
FILE NAME = 2569-eh-west.dgn  
PLOT SCALE = 10,000' / 1".  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

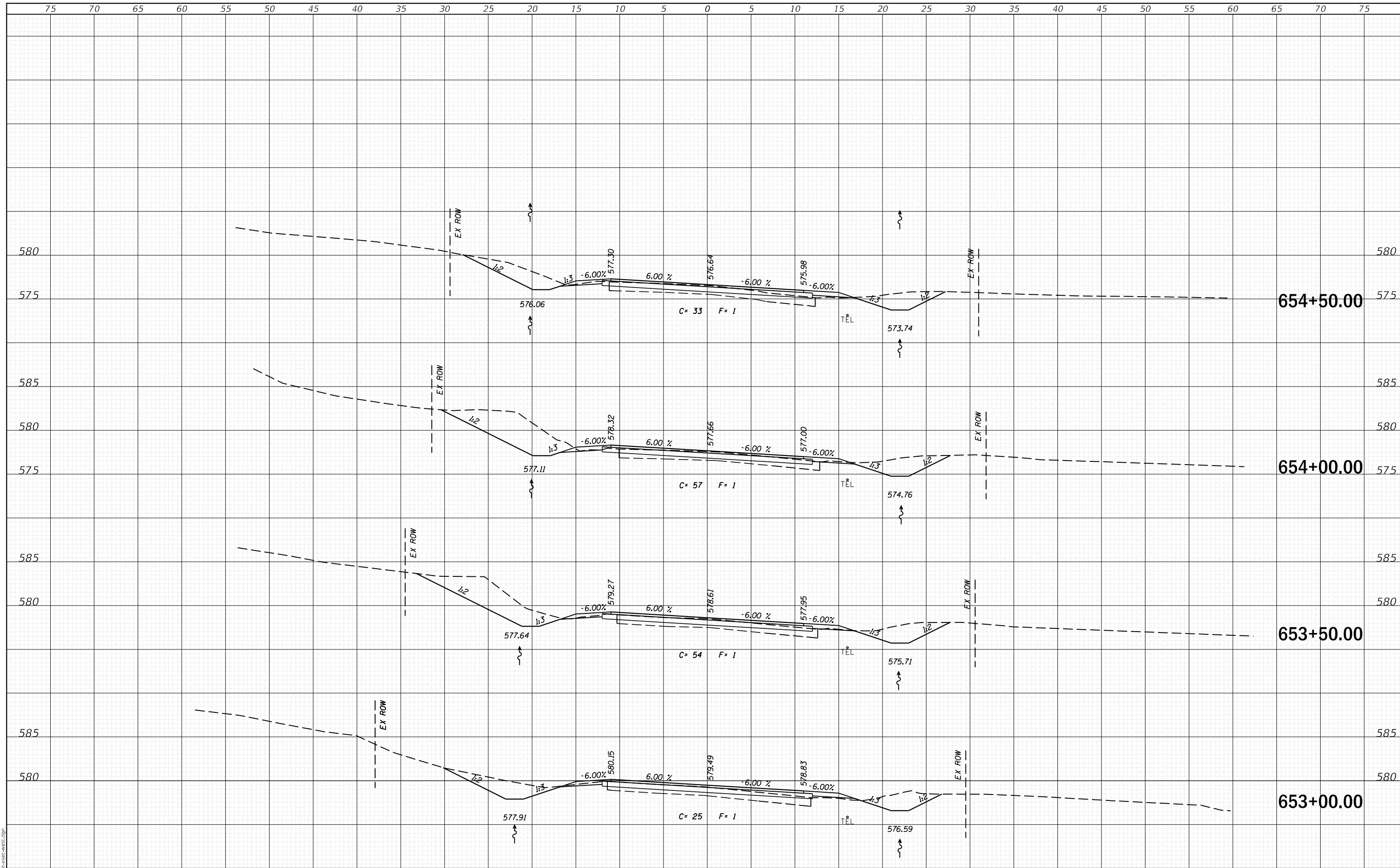
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 651+25.40 TO STA. 652+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	71	62
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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



MODEL: Definit  
FILE NAME: 2569-cht-csc-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-cht-csc-west.dgn  
PLOT SCALE = 10,000' / 1" IN.  
DATE = 9/26/2018

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

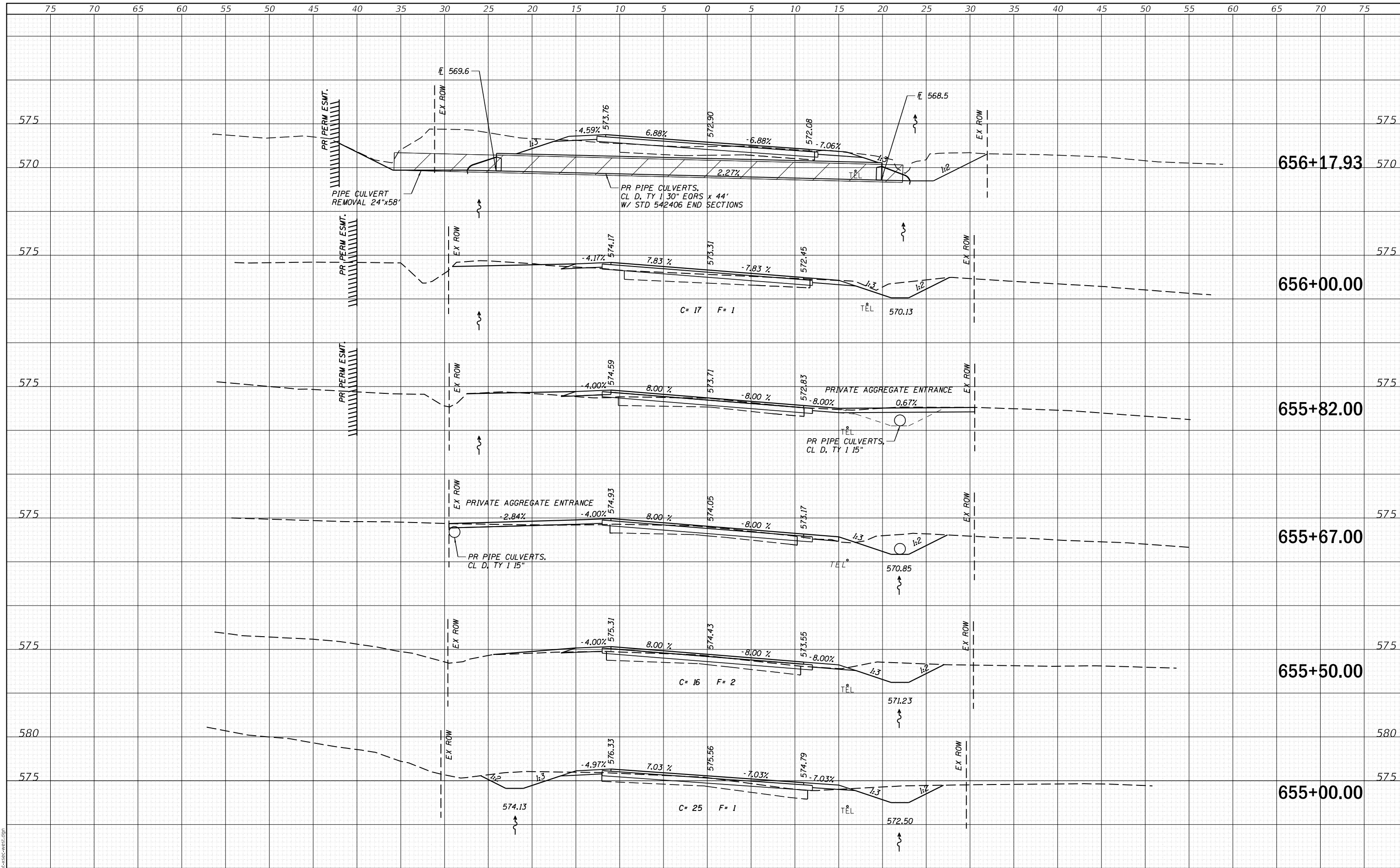
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 653+00.00 TO STA. 654+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	63
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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MODEL: Definit  
FILE NAME: 2569-ehh-csc-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-ehh-csc-west.dgn  
PLOT SCALE = 10,000' / In.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**CROSS SECTIONS**

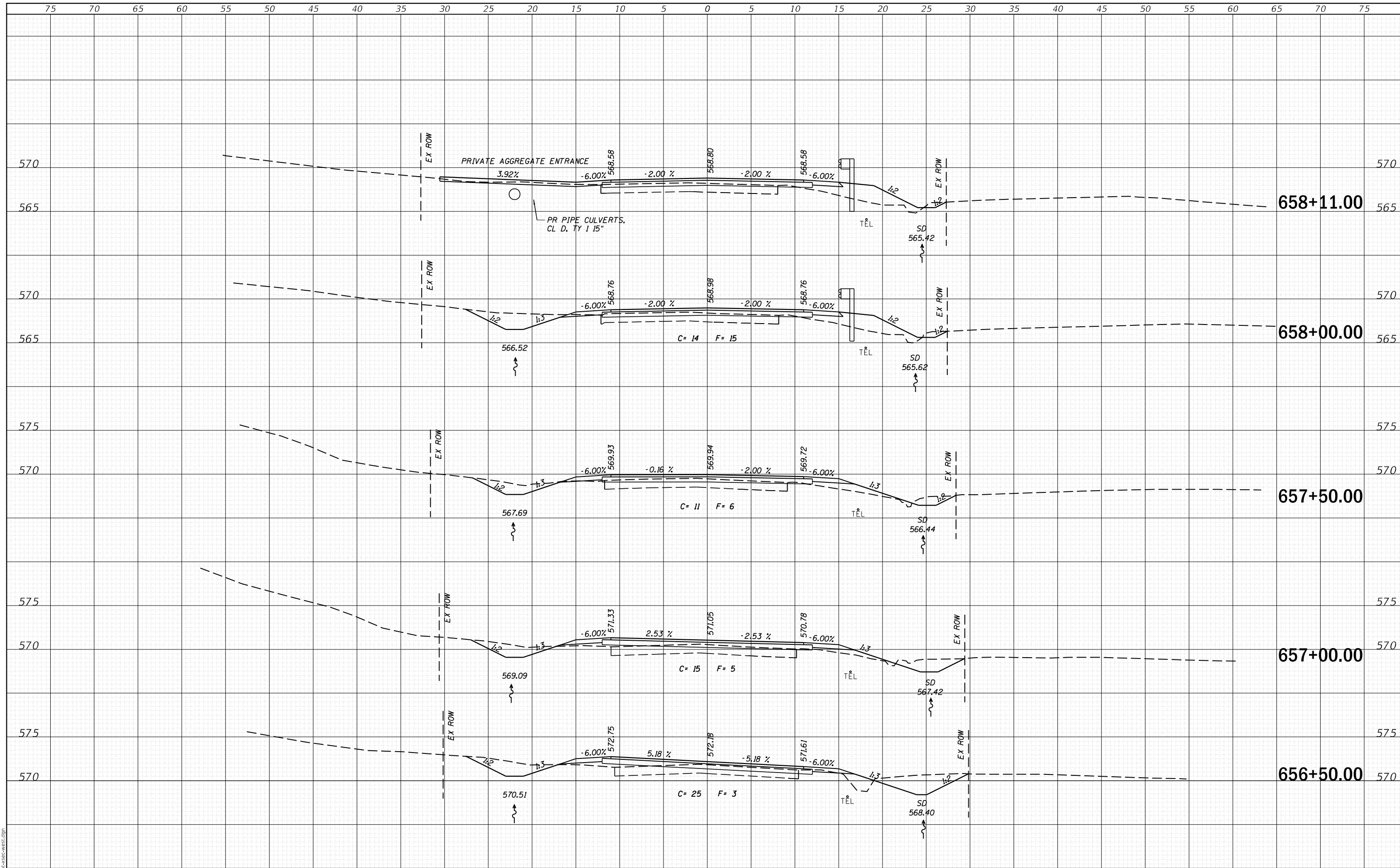
SCALE: SHEET OF SHEETS STA. 655+00.00 TO STA. 656+17.93

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	64
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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MODEL: Definit  
FILE NAME: 2569-cht-csc-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-csc-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

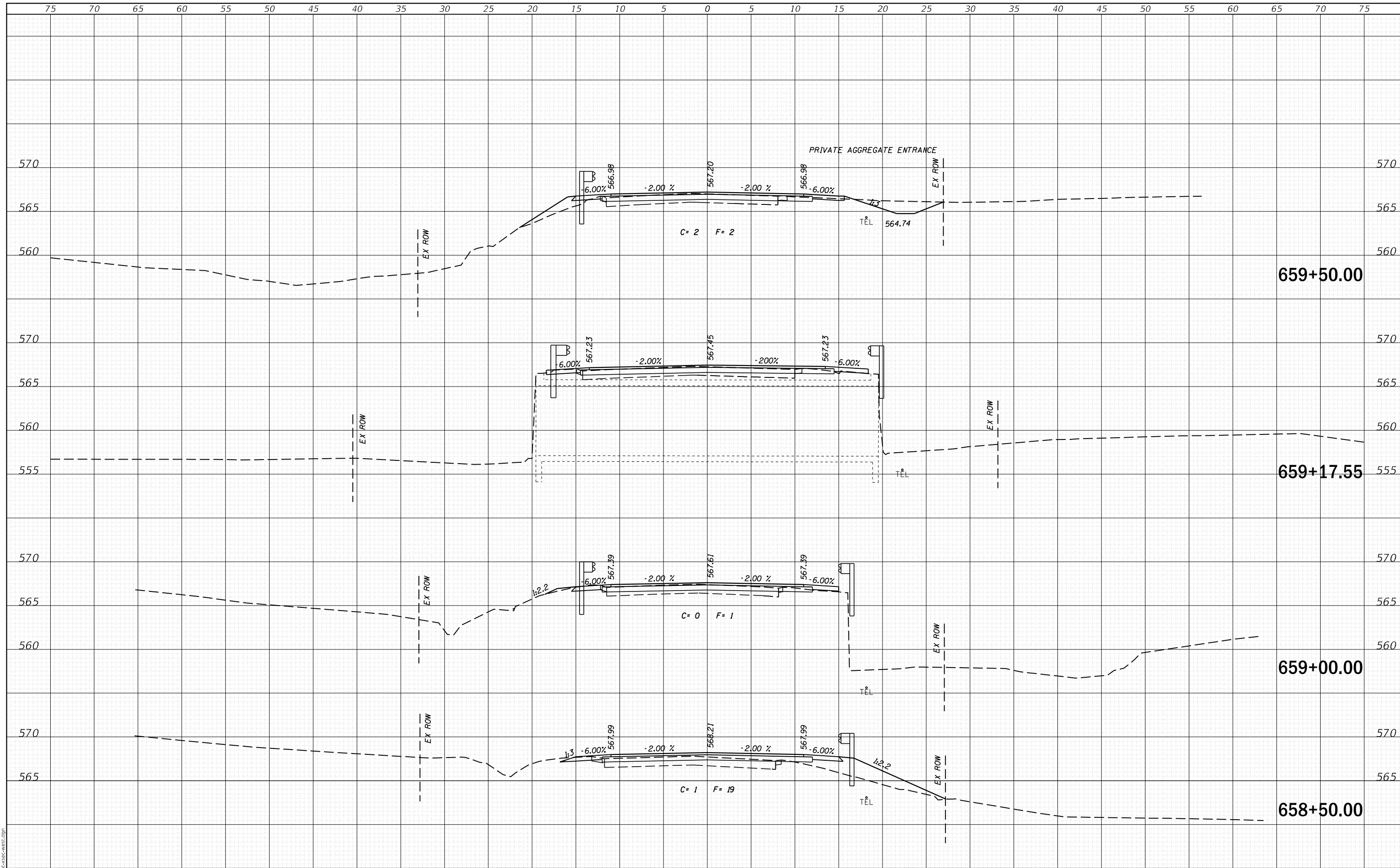
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 656+50.00 TO STA. 658+11.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	65
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY NO.	
NOTE BOOK NO.	
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MODEL: Definit  
FILE NAME: 2569-eh-cc-west.dgn



JOB = 2569  
FILE NAME = 2569-eh-cc-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

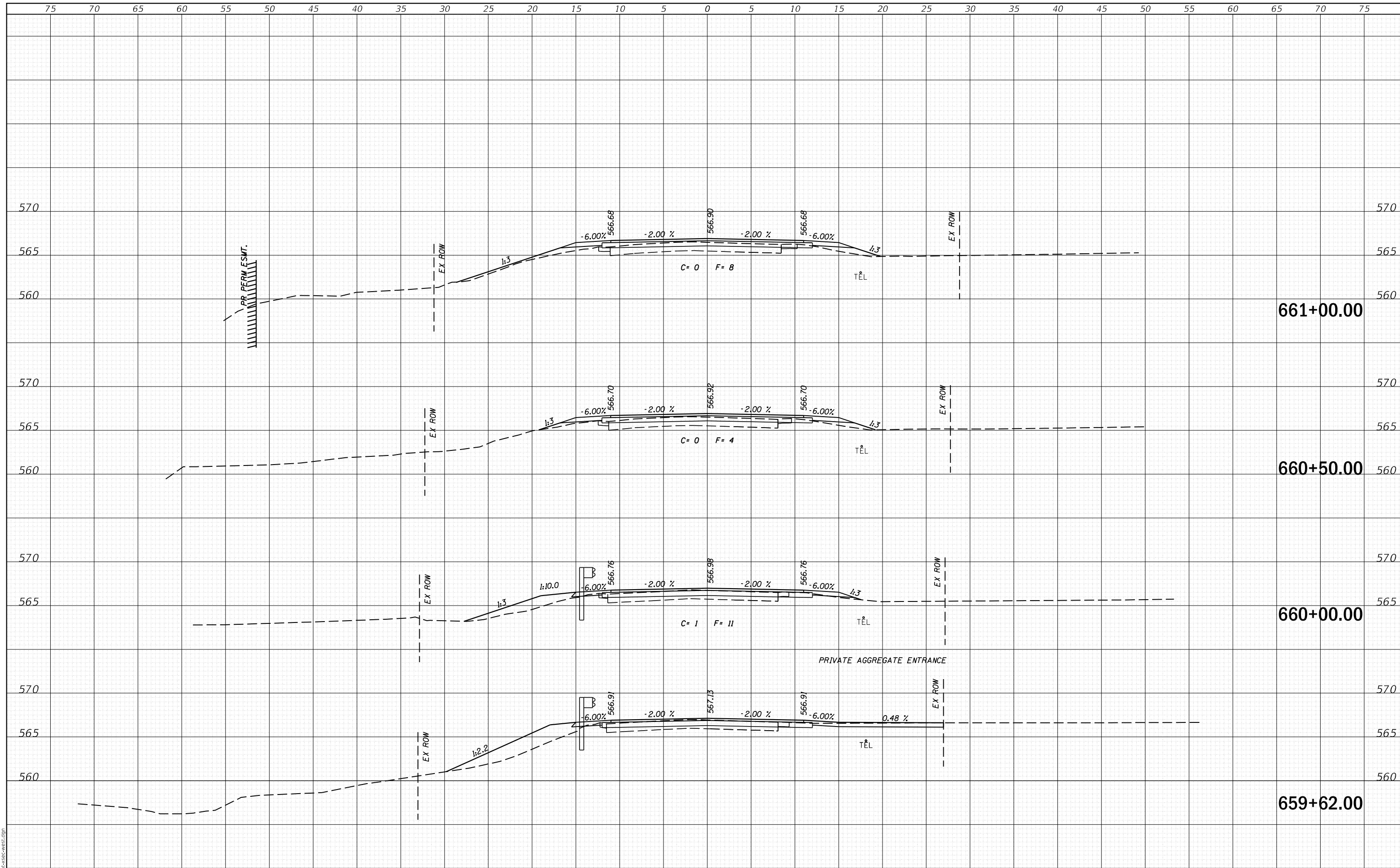
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 658+50.00 TO STA. 659+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	66
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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MODEL: Definit  
FILE NAME: 2569-eh1-xsec-west.dgn

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

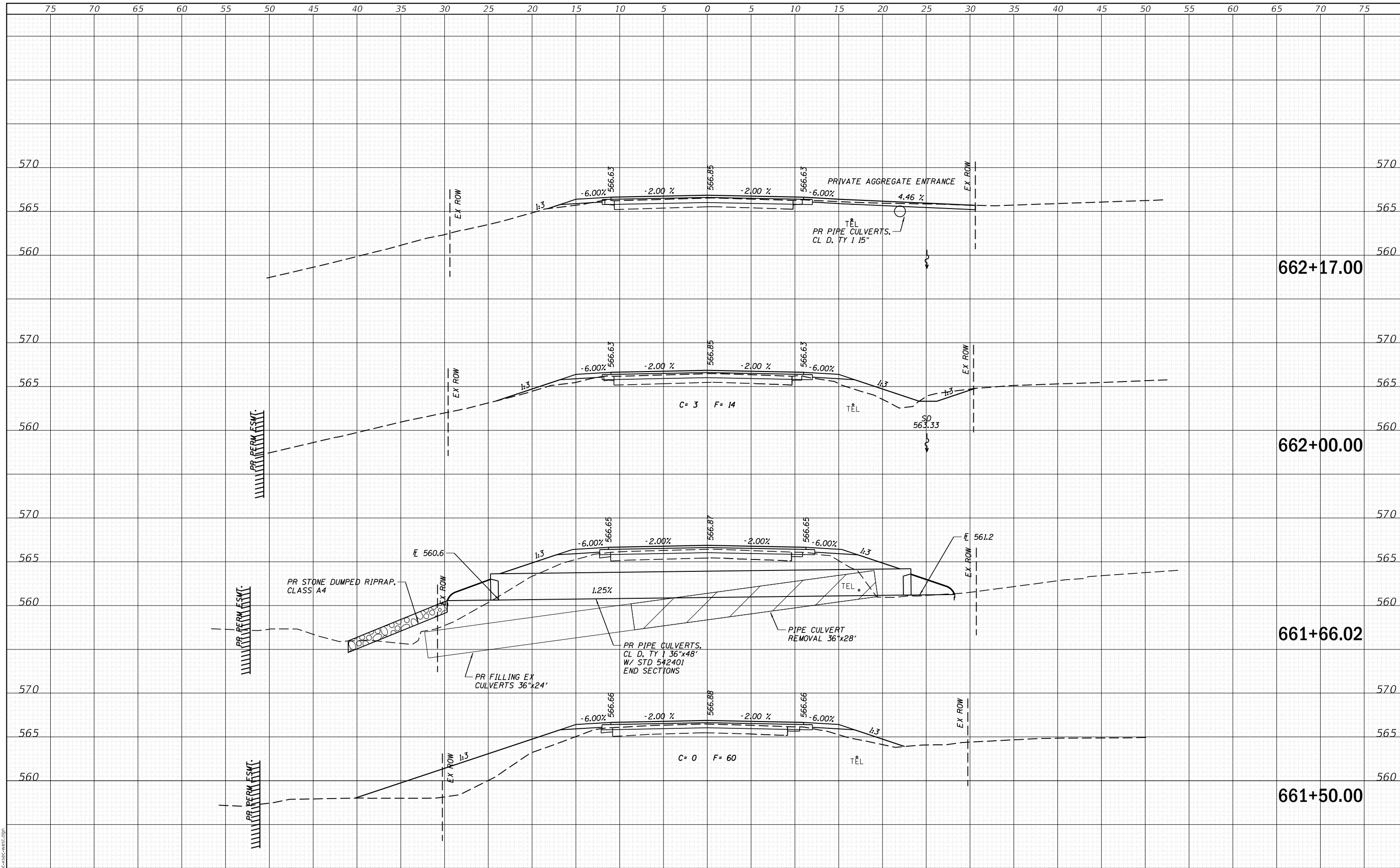
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 659+62.00 TO STA. 661+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	67
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
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FINAL SURVEY	
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DATE	
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TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
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MODEL: Definit  
FILE NAME: 2569-eh1-xsec-west.dgn

**CEC** Cummins Engineering Corporation  
Civil and Structural Engineering

JOB = 2569  
FILE NAME = 2569-eh1-xsec-west.dgn  
PLOT SCALE = 10,000' / 1" = 1" = 100' = 10000  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

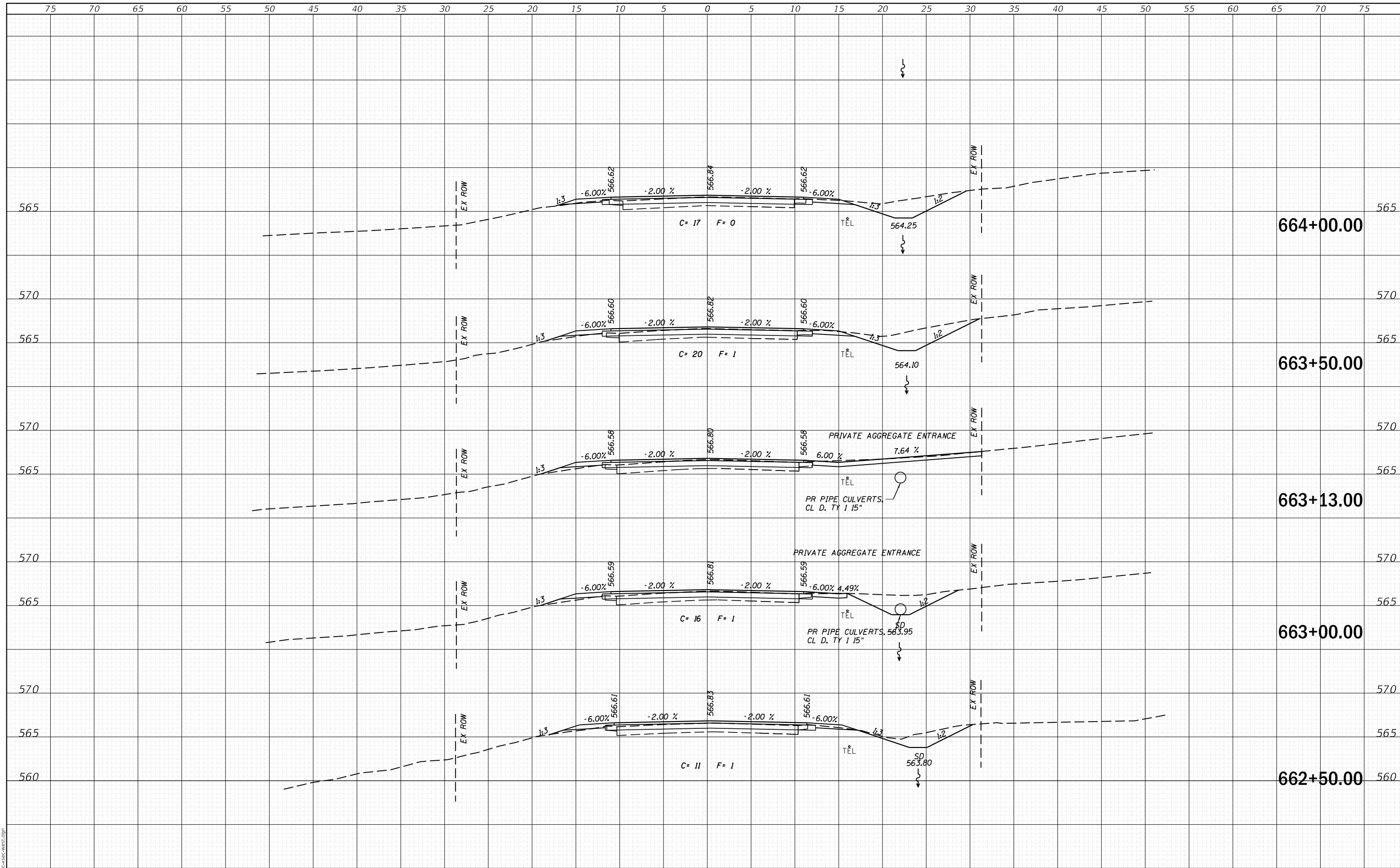
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 661+50.00 TO STA. 662+17.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	68
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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MODEL: Definit  
FILE NAME: 2569-ehf-csc-west.dgn



JOB = 2569  
FILE NAME = 2569-ehf-csc-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

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**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

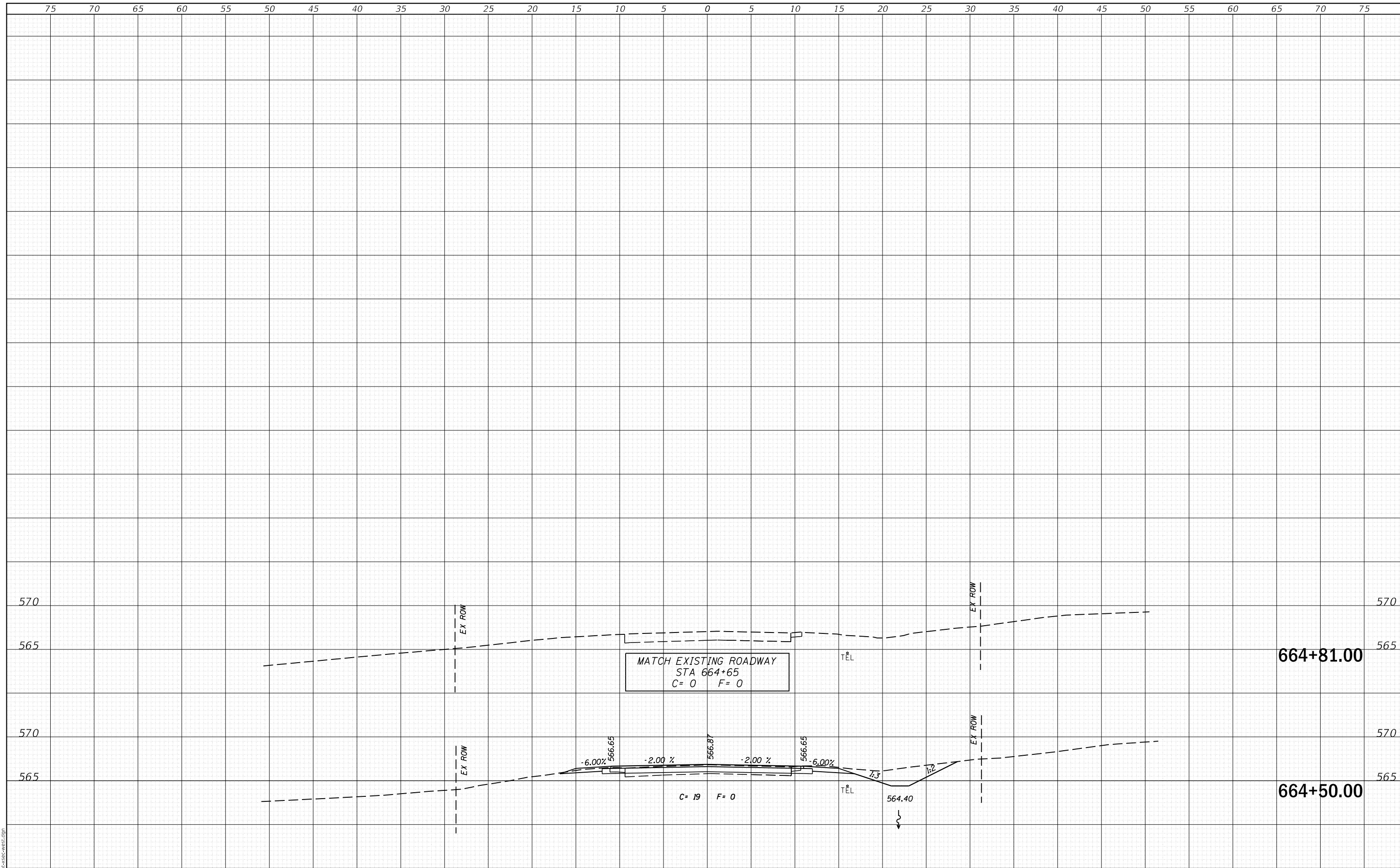
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 662+50.00 TO STA. 664+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	69
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Definit  
FILE NAME: 2569-cht-xsec-west.dgn



JOB = 2569  
FILE NAME = 2569-cht-xsec-west.dgn  
PLOT SCALE = 10,000' / 1 in.  
PLOT DATE = 3/30/2020

DESIGNED - NAK  
DRAWN - SJS  
CHECKED - NAK  
DATE - 9/26/2018

REVISED -  
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REVISED -

**CALHOUN COUNTY  
CH 6 IMPROVEMENTS**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 664+50.00 TO STA. 665+66.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
756	15-00081-00-RS	CALHOUN	70	70
CONTRACT NO. 97699				
ILLINOIS FED. AID PROJECT				