

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 57	12-00249-00-BR	MACON	117	1
LONG CREEK TOWNSHIP ILLINOIS		CONTRACT NO. 95798		

INDEX OF SHEETS 04-26-2019 LETTING ITEM 166

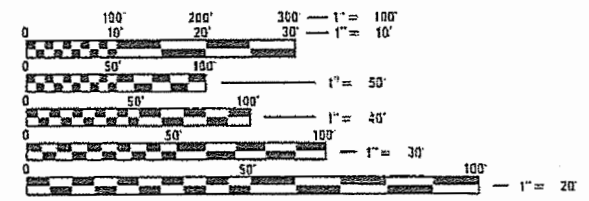
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HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- 515001-03 NAME PLATES FOR BRIDGES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602401-06 MANHOLE TYPE A 4' DIAMETER
- 604001-04 FRAME AND LIDS TYPE 1
- 604041-03 FRAME AND GRATE TYPE 9
- 604101-01 MEDIAN INLET FOR 24" (600MM) REINFORCED CONCRETE PIPE
- 606101-05 TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-15 TRAFFIC BARRIER TERMINAL TYPE 6
- 664001-02 CHAIN LINK FENCE
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

- ELECTRIC: AMEREN ILLINOIS
- GAS: PANHANDLE EASTERN PIPELINE COMPANY
- TELEPHONE: VERIZON
- CABLE: FRONTIER



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



Jeremy Buening 2/23/19
JEREMY BUENING, P.E., S.E. DATE
LICENSE EXPIRES 11/30/19

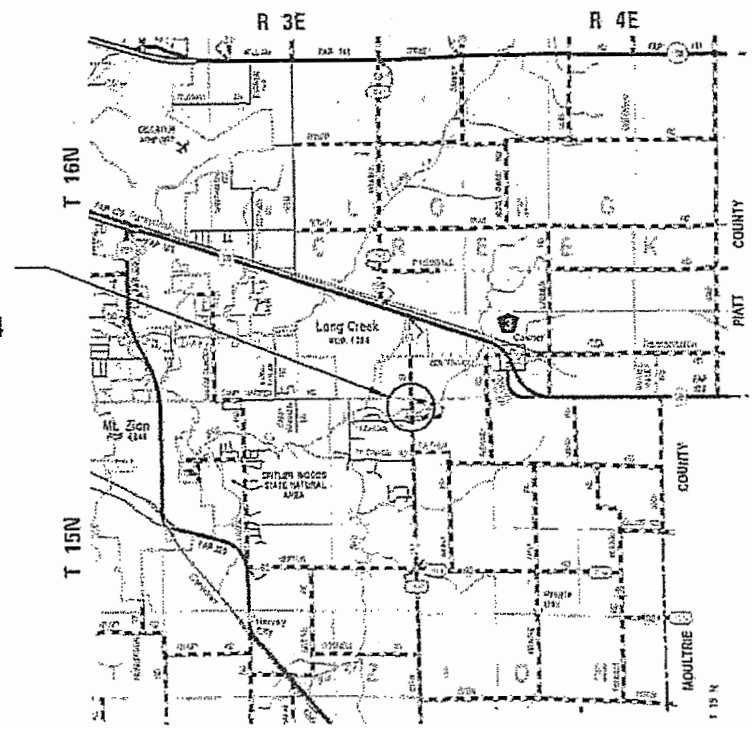
HLC PROJECT NO. 6151
HLC FIELD BOOK NO. 502
CONTRACT NO. 95798

STATE OF ILLINOIS

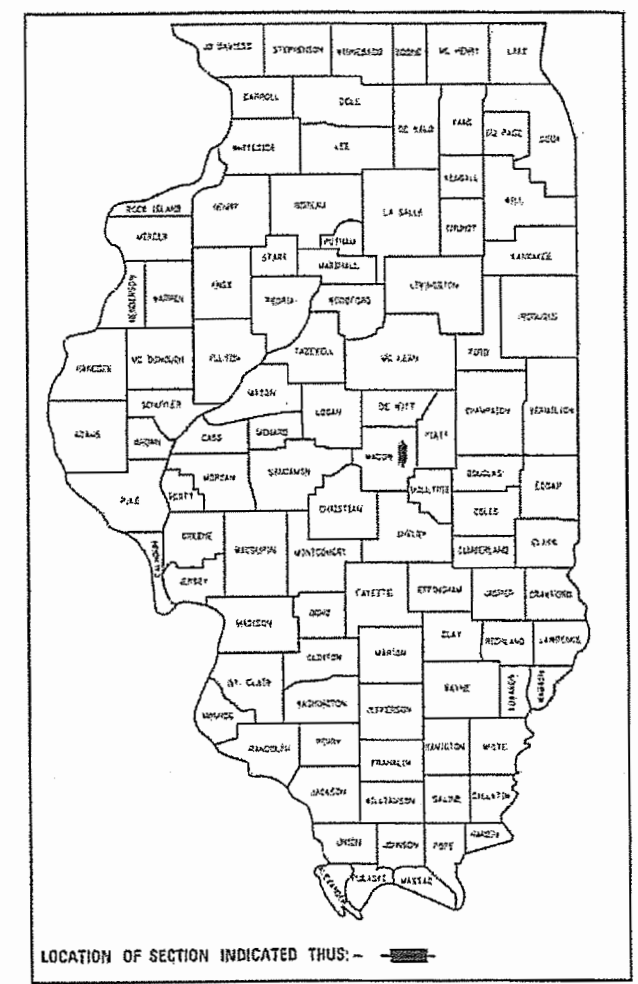
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
STP BRIDGE PROGRAM**

**CH 57 OVER TRIBUTARY TO BIG CREEK
MACON COUNTY
SECTION 12-00249-00-BR
PROJECT 8MJT(436)
JOB C-97-001-17**



GROSS LENGTH = 3479.76 FT. = 0.66 MILE
NET LENGTH = 3479.76 FT. = 0.66 MILE



FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL
2018 ADT = 2650
DESIGN SPEED = 60 MPH

APPROVED FEBRUARY 2, 2019
[Signature]
COUNTY ENGINEER

PASSED 2/25/19
[Signature]
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS AND STREETS

Releasing For
Bid Based on
Limited Review 2/25/19
[Signature]
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CHASTAIN
& ASSOCIATES LLC**
CONSULTING ENGINEERS
DECATUR (817) 422-8544
SCHLAUBURG (773) 714-6089
ROCKFORD (815) 489-0050
184-001397

GENERAL NOTES

- THE DESIGN ENGINEER SHALL NOT GUARANTEE THE WORK OF ANY CONTRACTOR OR SUBCONTRACTOR, SHALL HAVE NO AUTHORITY TO STOP WORK, SHALL HAVE NO SUPERVISION OR CONTROL AS TO THE WORK OR PERSONS DOING THE WORK, SHALL NOT BE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE JOB SITE OR HAVE ANY CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, SUPPORTS, FORMS OR OTHER WORK AIDS, AND SHALL HAVE NO DUTIES OR RESPONSIBILITIES IMPOSED BY ACTS GOVERNING THE WORKPLACE. IN ADDITION, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL BE MODIFIED AS FOLLOWS:
 UNDER ARTICLE 105.01, ADD THE FOLLOWING SENTENCE: NOTHING CONTAINED HEREIN SHALL RELIEVE THE CONTRACTOR OF HIS/HER DUTY TO OBSERVE AND COMPLY WITH ALL APPLICABLE LAWS, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE OR NON-COMPLIANCE WITH SUCH LAWS.
 UNDER ARTICLE 107.01, ADD THE FOLLOWING SENTENCE: THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S DUTY TO OBSERVE AND COMPLY WITH THE PROVISIONS OF THIS SECTION, OR FOR THE CONTRACTOR'S FAILURE TO DO SO.
- THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS INCLUDES SAFETY OF ALL PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE PROPOSED GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND STATION CROSS-SECTIONS ARE THE ELEVATIONS FOR THE FINISHED SURFACE AT LOCATIONS AS INDICATED.
- WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATIONS IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED APRIL 1, 2016.
- EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS & MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.I.E., PHONE 800-892-0123, AND ALL UTILITY COMPANIES PRIOR TO DIGGING.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME THE CONTRACTOR DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
- THE CONTRACTOR SHALL NOTIFY THE MACON COUNTY HIGHWAY DEPARTMENT RESIDENT ENGINEER AND THE COUNTY ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
- UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES AT THE TIME OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THEY PERFORM THEIR WORK.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TEMPORARY EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS SHOWN IN THE PLAN AND PROFILE AND AS DIRECTED BY THE ENGINEER.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMIT SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

MIX DESIGN INFORMATION (CH 57)			
MIXTURE USE(S)	• 6" HMA BINDER	• 2" HMA SURFACE	6" HMA SHOULDERS
PG	PG 64-28	PG 64-28	PG 64-28
DESIGN AIR VOIDS	4.0 % @ Ndes = 50	4.0 % @ Ndes = 50	4.0 % @ Ndes = 30
MIX COMP (GRADATION)	IL 19.0	IL 9.5	IL 9.5L
FRICITION AGGREGATE	MIX C	MIX C	MIX C

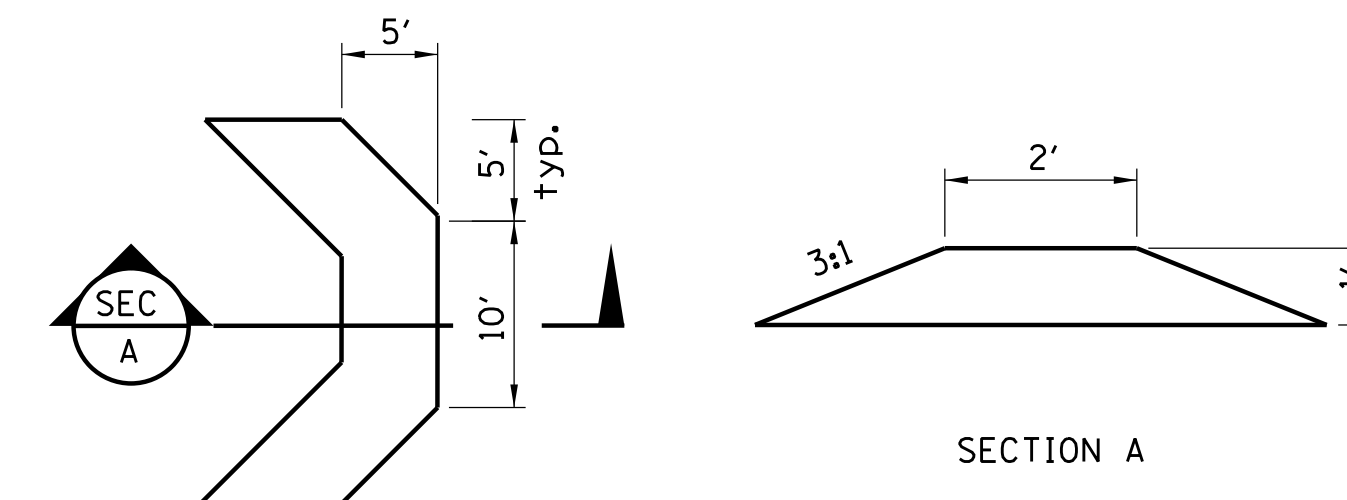
• PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"

MIX DESIGN INFORMATION (LEHMAN ROAD, HUNTERS CROSSING, COUNTRYSIDE DRIVE AND BIKE PATH)		
MIXTURE USE(S)	• 4" HMA BINDER	• 2" HMA SURFACE
PG	PG 64-28	PG 64-28
DESIGN AIR VOIDS	4.0 % @ Ndes = 50	4.0 % @ Ndes = 50
MIX COMP (GRADATION)	IL 19.0	IL 9.5
FRICITION AGGREGATE	MIX C	MIX C

• PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"

RATES OF APPLICATION

ITEMS		RATE OF APPLICATION
AGGREGATE SHOULDERS	=	2.05 TONS/ CU YD
RIPRAP	=	1.5 TONS/ CU YD
PORTLAND CEMENT	=	8% BY WEIGHT



ENERGY DISSIPATOR RIPRAP STRUCTURE

LT STA 106+67.10 TO LT STA 106+88.30
 LT STA 106+83.90 TO LT STA 107+02.50

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USER NAME =	DESIGNED - ACB	REVISED -
	DRAWN - DLB	REVISED -
PLOT SCALE =	CHECKED - ACB	REVISED -
PLOT DATE =	DATE - 6/2016	REVISED -

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
GENERAL NOTES, RATES OF APPLICATION, AND DETAILS

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	2
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				0010	
				058-3403	URBAN
20200100	EARTH EXCAVATION	CU YD	16126	3234	12892
20300100	CHANNEL EXCAVATION	CU YD	1383	1383	0
20400800	FURNISHED EXCAVATION	CU YD	23205	23205	0
20800150	TRENCH BACKFILL	CU YD	114	0	114
25100630	EROSION CONTROL BLANKET	SQ YD	603	603	0
28000305	TEMPORARY DITCH CHECKS	F00T	45	45	0
28000400	PERIMETER EROSION BARRIER	F00T	516	516	0
28000500	INLET AND PIPE PROTECTION	EACH	18	10	8
28100207	STONE RIPRAP, CLASS A4	TON	1149	1149	0
28200200	FILTER FABRIC	SQ YD	1723	1723	0
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	9662	3211	6451
30201700	PORTLAND CEMENT	TON	418	139	279
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1927	378	1549
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	775	402	373

USER NAME =	DESIGNED - ACB	REVISED -	 CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CH 57 OVER TRIBUTARY TO BIG CREEK SUMMARY OF QUANTITIES			F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE =	DRAWN - DLB	REVISED -					7413	12-00249-00-BR	MACON	117	3
PLLOT DATE =	CHECKED - ACB	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 95798				
	DATE - 6/2016	REVISED -					ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				058-3403	URBAN
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	3343	1590	1753
40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SQ YD	8806	2926	5880
42006060	WELDED WIRE REINFORCEMENT	SQ YD	137	137	0
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	137	137	0
44000100	PAVEMENT REMOVAL	SQ YD	6300	914	5386
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	216	55	161
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	867	36	831
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	77	60	17
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	2356	1844	512
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	0
50105220	PIPE CULVERT REMOVAL	FOOT	756	472	284
50200100	STRUCTURE EXCAVATION	CU YD	14	14	0
50300225	CONCRETE STRUCTURES	CU YD	103.3	103.3	0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	215.6	215.6	0
50300260	BRIDGE DECK GROOVING	SQ YD	621	621	0

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PLOT SCALE =	CHECKED - ACB	REVISED -				7413	12-00249-00-BR	MACON	117	4
PLOT DATE =	DATE - 6/2016	REVISED -				CONTRACT NO. 95798				
			SCALE:		SHEET NO. OF SHEETS	STA. TO STA.	[ILLINOIS] FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				0010 058-3403	URBAN
50300300	PROTECTIVE COAT	SQ YD	947	947	0
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	156.8	156.8	0
50401105	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 54 IN.	FOOT	690	690	0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	94970	94970	0
Δ 50901720	BICYCLE RAILING	FOOT	144	144	0
Δ 50901750	PARAPET RAILING	FOOT	144	144	0
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	446	446	0
51202305	DRIVING PILES	FOOT	446	446	0
51203200	TEST PILE METAL SHELLS	EACH	1	1	0
51500100	NAME PLATES	EACH	1	1	0
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	94	94	0
542A1903	PIPE CULVERTS, CLASS A, TYPE 3 18"	FOOT	76	76	0
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	63	31	32
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	199	44	155

Δ SPECIALTY ITEMS

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PLOT SCALE =	DRAWN - DLB	REVISED -					7413	12-00249-00-BR	MACON	117	5
PLOT DATE =	CHECKED - ACB	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 95798				
	DATE - 6/2016	REVISED -					ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				0010	URBAN
				058-3403	
542D0226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	25	25	0
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	46	46	0
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	50	50	0
542D1087	PIPE CULVERTS, CLASS D, TYPE 2 42"	FOOT	56	56	0
54213450	END SECTIONS 15"	EACH	4	2	2
54213453	END SECTIONS 18"	EACH	8	2	6
54213456	END SECTIONS 21"	EACH	2	2	0
54213459	END SECTIONS 24"	EACH	2	2	0
54213471	END SECTIONS 36"	EACH	2	2	0
54213477	END SECTIONS 42"	EACH	2	2	0
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	0	1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	0	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	0
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1	0

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				0010 058-3403	URBAN
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	0
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	8	0	8
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	111	0	111
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	244	0	244
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	245	0	245
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	100	0	100
550A0700	STORM SEWERS, CLASS A, TYPE 3 21"	FOOT	48	0	48
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	312	312	0
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	133	133	0
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
60219100	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 9 FRAME AND GRATE	EACH	2	0	2
60220005	MANHOLES, TYPE A, 4' -DIAMETER, WITH MEDIAN INLET (604101)	EACH	4	4	0
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	7	0	7
60602500	CONCRETE GUTTER, TYPE A	FOOT	324	0	324

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				BRIDGE	ROADWAY
				0010	URBAN
				058-3403	
△ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	0
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	0
67100100	MOBILIZATION	LSUM	1	1	0
XX009289	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1	1	0
△ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	0
△ 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	10466	3562	6904
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	55	13	42
• X2010400	STUMP REMOVAL ONLY	UNIT	780	206	574
• X0327112	STUMP REMOVAL, ACRES	ACRE	0.8	0.5	0.3
• X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	5.75	2.5	3.25
• XX006520	AGGREGATE DRIVEWAY, 6"	SQ YD	912	912	0
△ • XX006858	RAILING	FOOT	483	483	0
• Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	411	201	210
• Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	369	84	285
• Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	176	176	0
△ • Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1	0

△ SPECIALTY ITEMS

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PLOT SCALE =	DRAWN - DLB	REVISED -					7413	12-00249-00-BR	MACON	117	8	
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DATE - 6/2016	DATE - 6/2016	REVISED -								ILLINOIS FED. AID PROJECT		

PAVING SCHEDULE																
			30200650 PROCESSING MODIFIED SOIL 12"	35101600 AGGREGATE BASE COURSE, TYPE B, 4"	35101800 AGGREGATE BASE COURSE, TYPE B, 6"	40701801 HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	40701841 HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"	42000080 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	48101500 AGGREGATE SHOULDERS, TYPE B, 6"	48101600 AGGREGATE SHOULDERS, TYPE B, 8"	48102100 AGGREGATE WEDGE SHOULDER, TYPE B	48203021 HOT-MIX ASPHALT SHOULDERS, 6"	60602500 CONCRETE GUTTER, TYPE A	60600095 CLASS SI CONCRETE (OUTLET)	Z0004510 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	Z0004544 HOT-MIX ASPHALT PAVEMENT REMOVAL
STATION	LT/RT	STATION	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	TON	SO YD	FOOT	CU YD	SO YD	SO YD
COUNTY HIGHWAY 57																
89+56.34	LT/RT	105+61.18	4695.2				4279.6				351.0	42.8	1316.5			
97+00.55	RT	97+12.55												0.9		
97+12.55	RT	98+81.23											168.7			
98+81.23	RT	98+88.23												0.9		
98+88.23	RT	99+09.79												4.3		
99+09.79	RT	99+16.79												0.9		
99+16.79	RT	100+71.20											154.4			
107+38.82	LT/RT	124+36.1	4966.1				4526.1				515.8	33.6	1039.5			
98+63.14	LT	105+85				800.3										
107+29.25	LT	113+50.54				693.0										
105+61.18	LT/RT	105+81.89							68.2							
107+18.11	LT/RT	107+38.82							68.2							
94+25	FE LT				59.6											
96+00	FE RT				81.2											
99+01	PE RT				106.3										127.5	65.2
108+05.9	PE RT				96.4										96.4	
108+31	PE LT				104.6										104.6	83.8
113+06	FE LT				118.4											
113+06	PE RT				81.9										81.9	
115+50	FE LT				99.4											
LEHMAN ROAD																
7+80	LT/RT	9+88		1139.1		1108.1				100.5						
8+18.5	PE RT				26.5											
HUNTERS CROSSING																
20+12	LT/RT	21+52		409.5		384.9				60.2						
21+03.30	PE LT															220
COUNTRYSIDE DRIVE																
30+12	LT/RT	31+40		377.5		356				54.7						
TOTAL			9661.3	1926.1	774.3	3342.3	8805.7	136.4	215.4	866.8	76.4	2356.0	323.1	7.0	410.4	369
ROUNDED			9662	1927.0	775	3343	8806	137	216	867	77	2356	324	7	411	369

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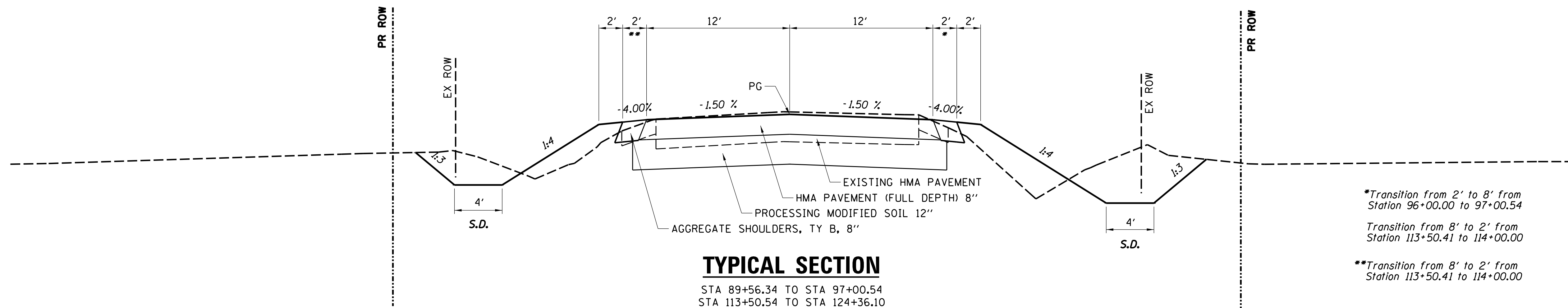
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	DRAWN - DLB	REVISED -
PLOT SCALE =	CHECKED - ACB	REVISED -
PLOT DATE =	DATE - 6/2016	REVISED -



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 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	10
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



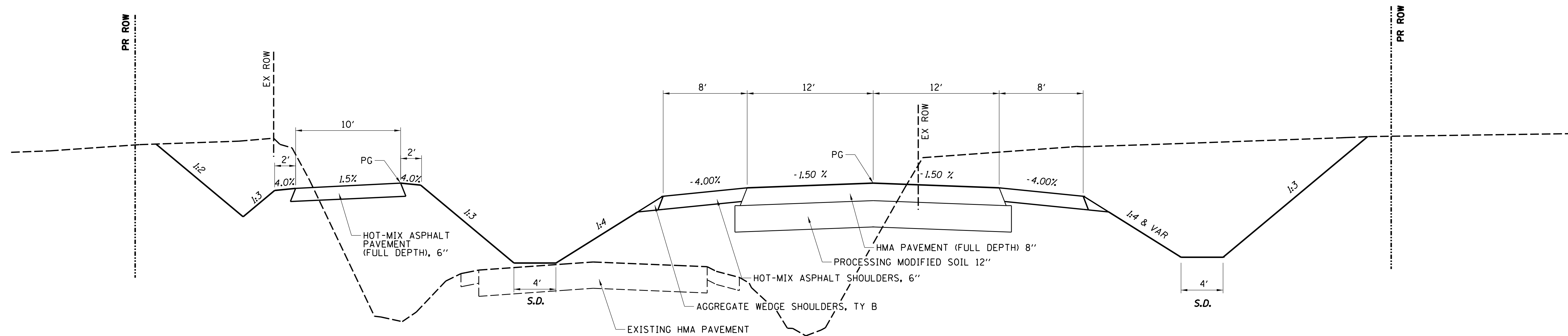
TYPICAL SECTION

STA 89+56.34 TO STA 97+00.54
 STA 113+50.54 TO STA 124+36.10

*Transition from 2' to 8' from
 Station 96+00.00 to 97+00.54

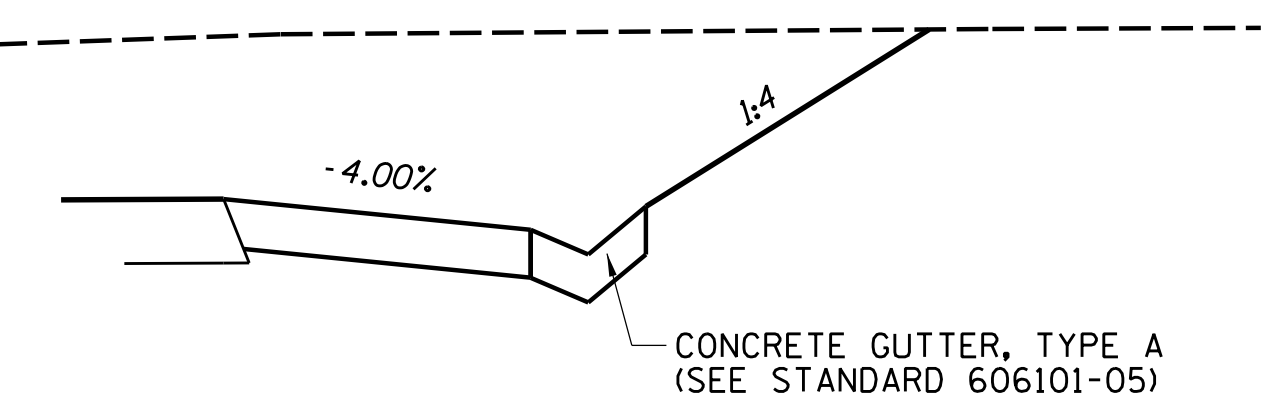
Transition from 8' to 2' from
 Station 113+50.41 to 114+00.00

**Transition from 8' to 2' from
 Station 113+50.41 to 114+00.00



TYPICAL SECTION

STA 97+00.54 TO STA 113+50.54
 STA 106+05.50 TO STA 106+94.50 (BRIDGE OMISSION)



CONCRETE GUTTER, TYPE A

STA 97+00.54 TO STA 100+66.36

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USER NAME =	DESIGNED - ACB	REVISED -
	DRAWN - DLB	REVISED -
PLOT SCALE =	CHECKED - ACB	REVISED -
PLOT DATE =	DATE - 6/2016	REVISED -

CHASTAIN & ASSOCIATES LLC
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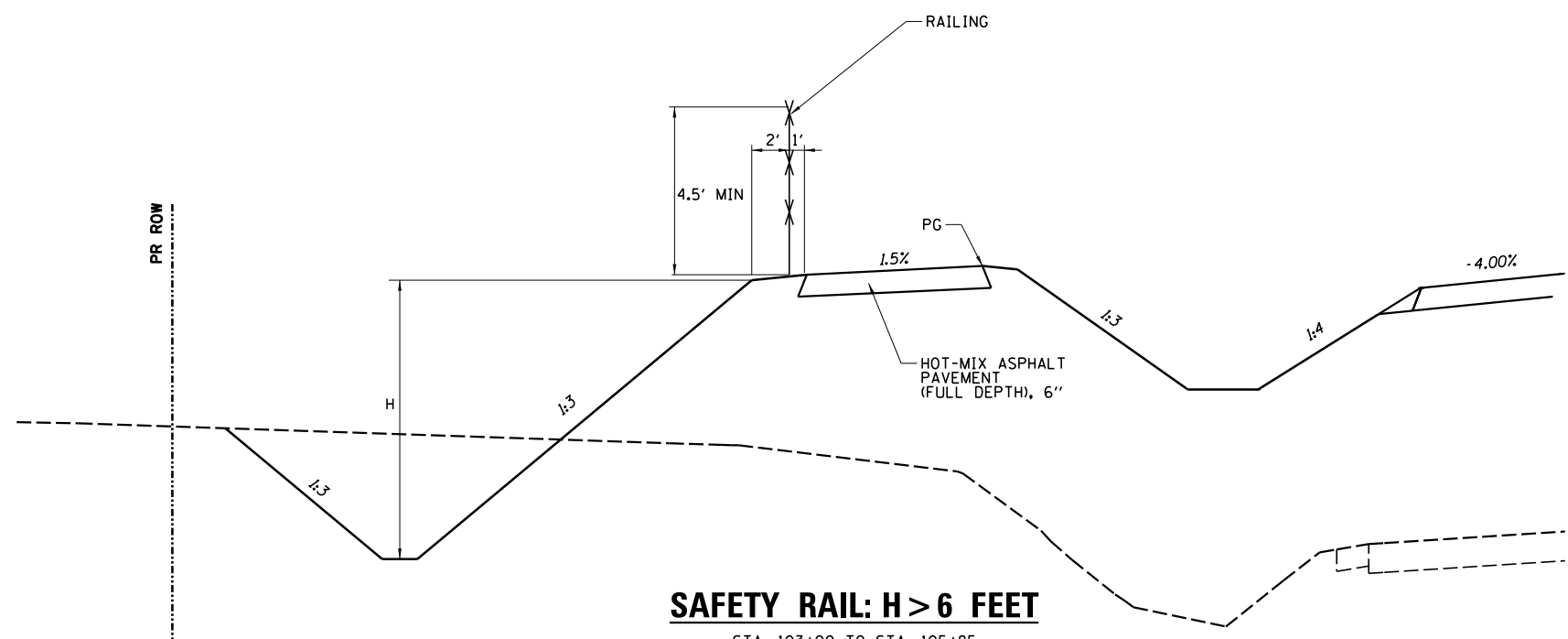
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 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
TYPICAL SECTIONS

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

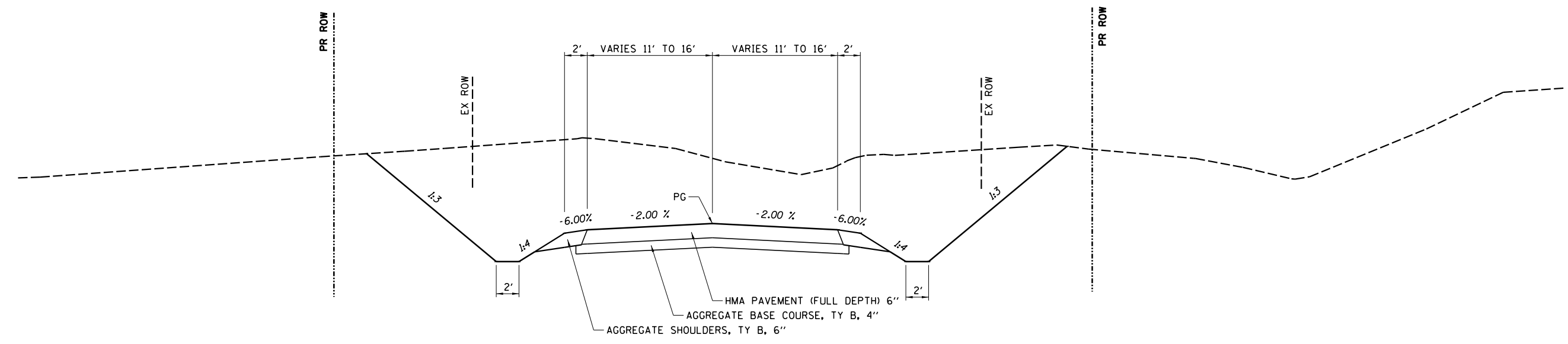
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	12
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

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SAFETY RAIL: H > 6 FEET

STA. 103+00 TO STA. 105+85
 STA. 107+32 TO STA. 108+18
 STA. 108+46 TO STA. 109+50



TYPICAL SECTION

LEHMAN ROAD
 HUNTERS CROSSING
 COUNTRYSIDE DRIVE

USER NAME =	DESIGNED - ACB	REVISED -
	DRAWN - DLB	REVISED -
PLOT SCALE =	CHECKED - ACB	REVISED -
PLOT DATE =	DATE - 6/2016	REVISED -

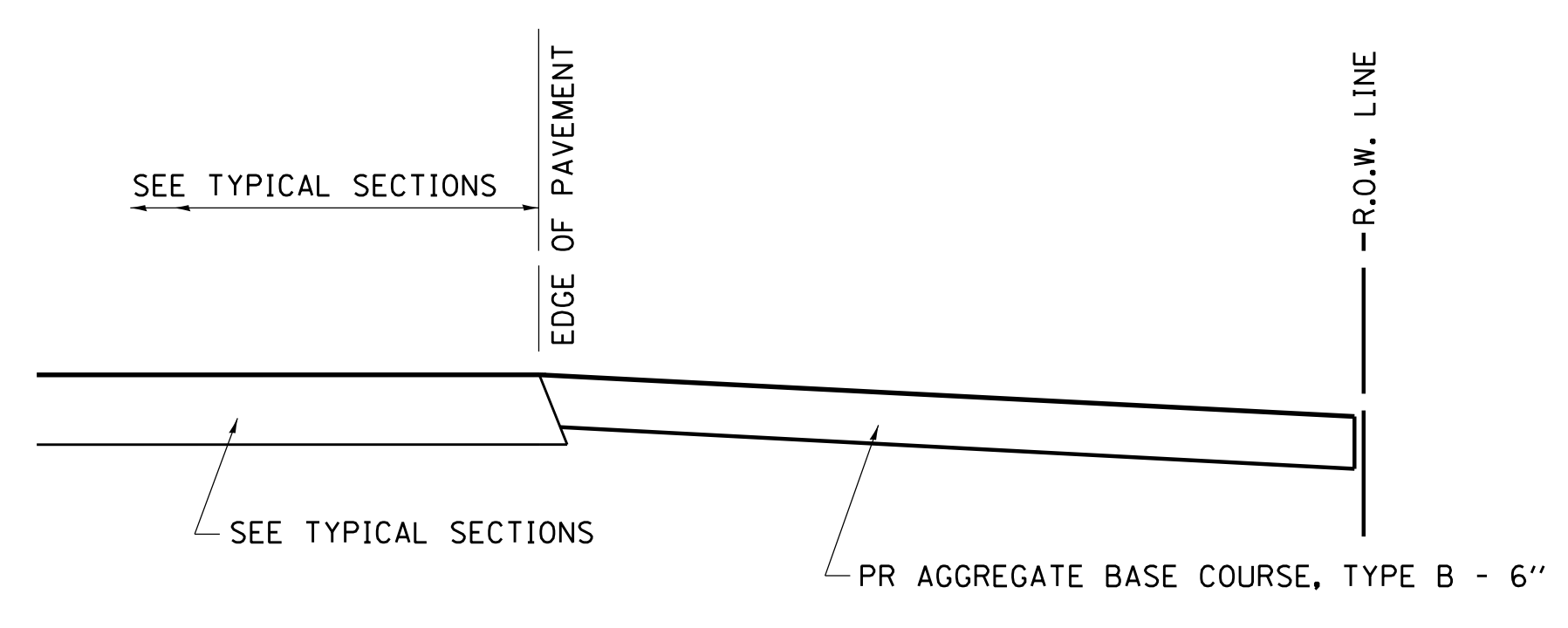
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**CH 57 OVER TRIBUTARY TO BIG CREEK
 TYPICAL SECTIONS**

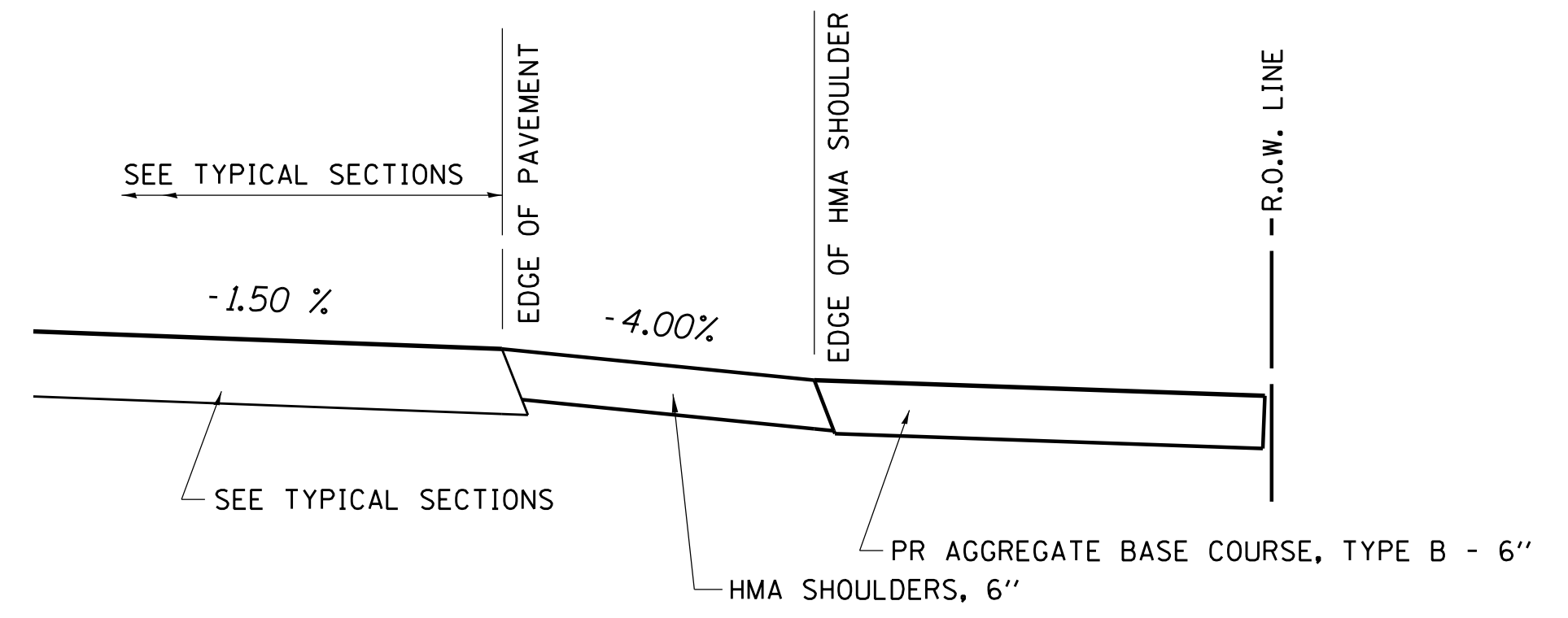
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	13
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



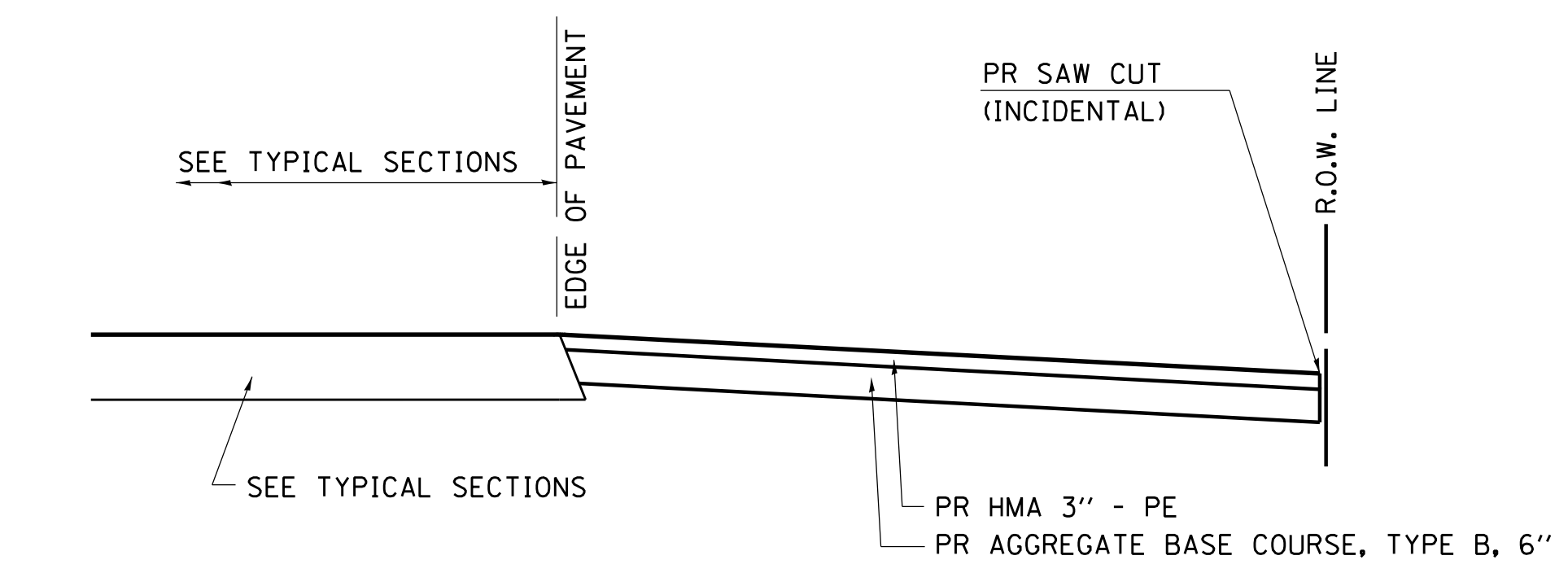
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE

STA. 89+56.34 TO STA. 97+00.54
 STA. 113+50.54 TO STA. 124+36.10



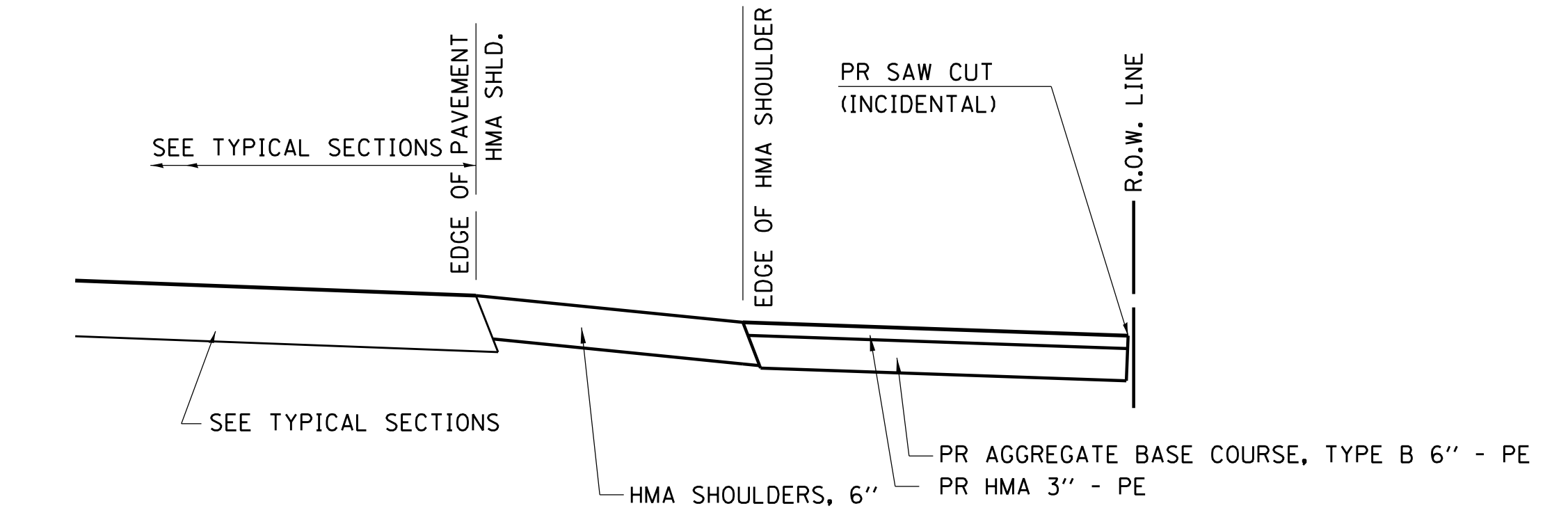
SECTION B-B FOR EX EARTH/AGGREGATE FE & PE

STA. 97+00.54 TO STA. 113+50.54



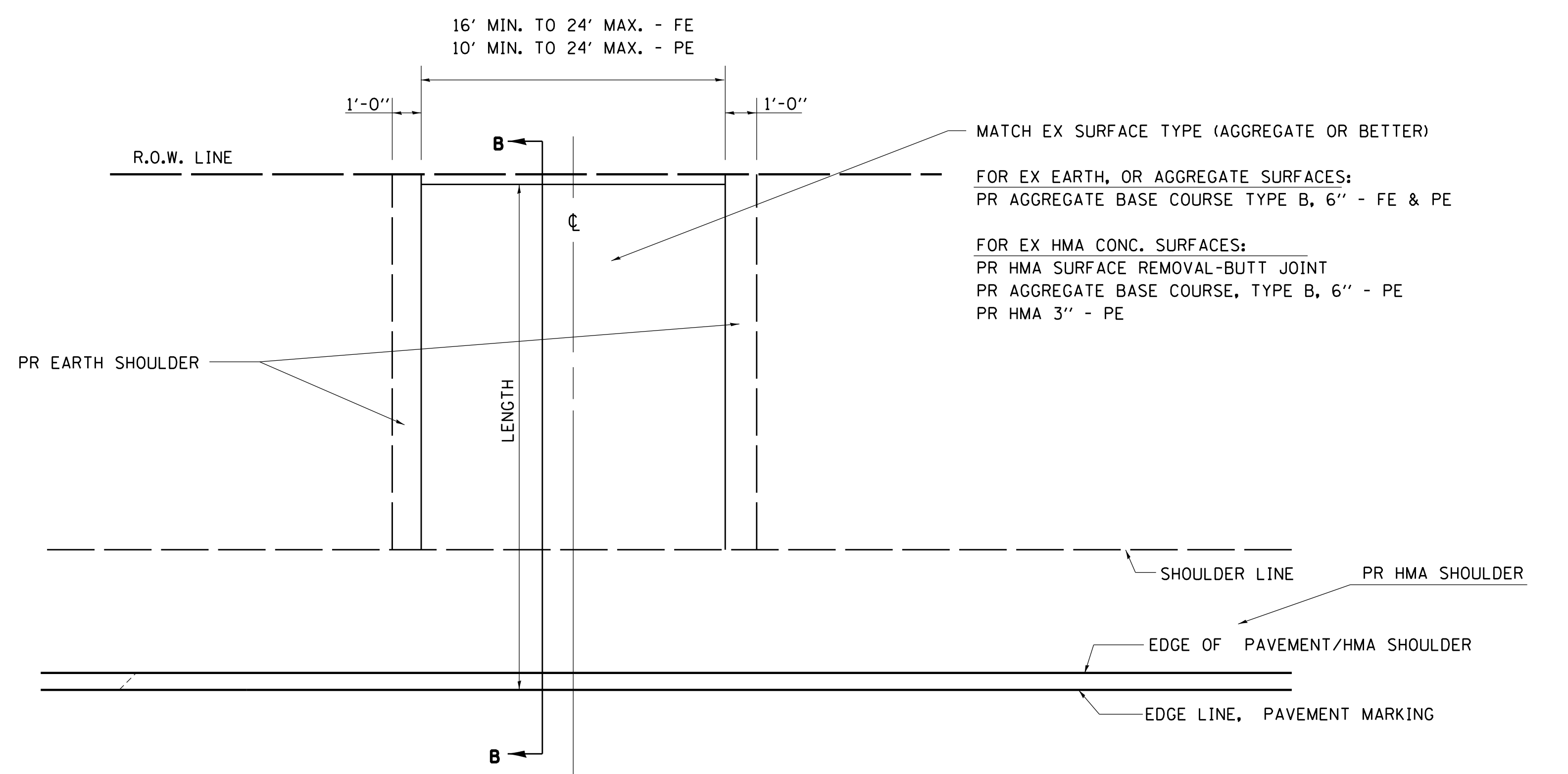
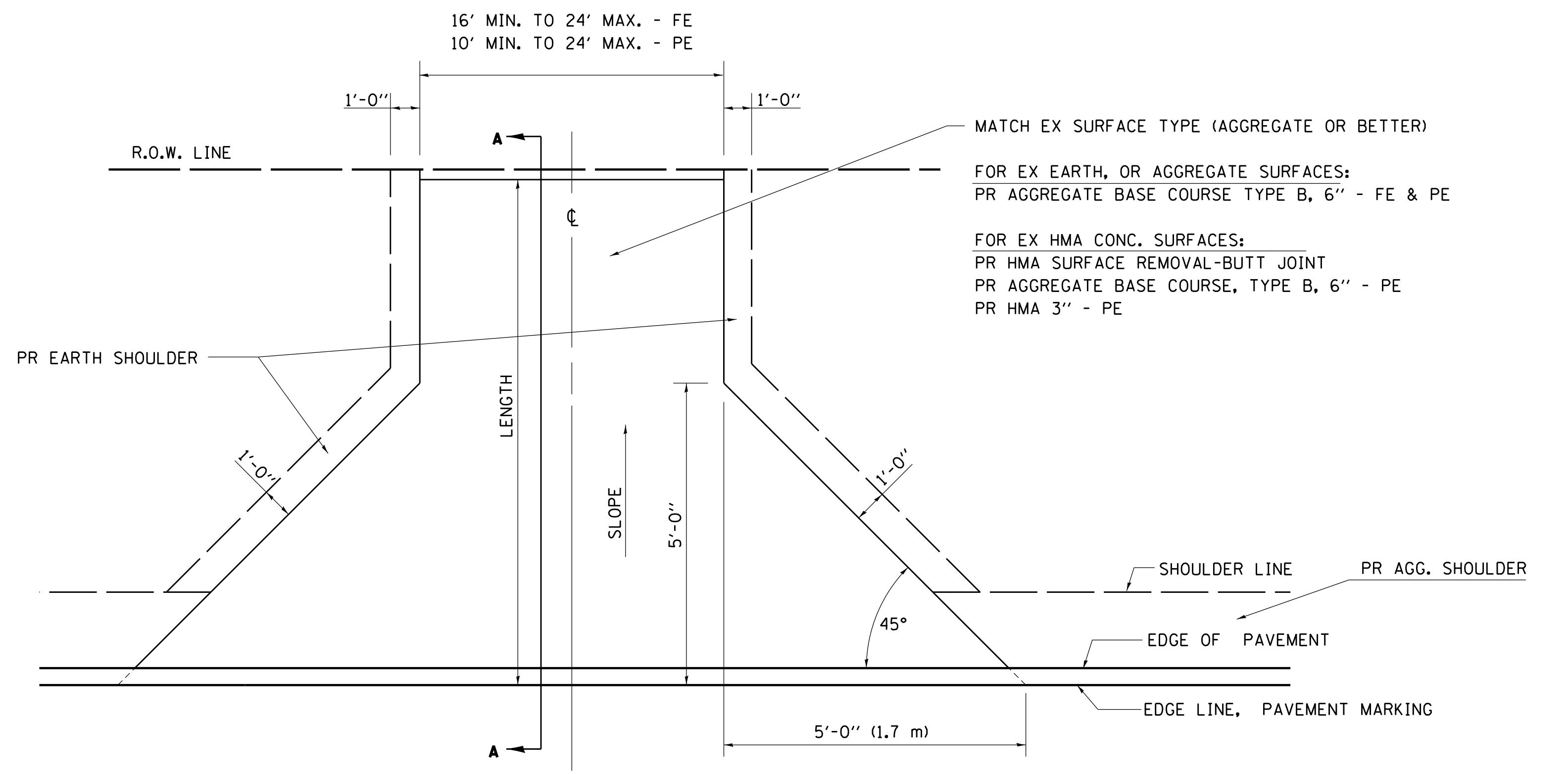
SECTION A-A FOR EX HMA PE

STA. 89+56.34 TO STA. 97+00.54
 STA. 113+50.54 TO STA. 124+36.10



SECTION B-B FOR EX HMA PE

STA. 97+00.54 TO STA. 113+50.54



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USER NAME =	DESIGNED - ACB	REVISED -
PLOT SCALE =	DRAWN - DLB	REVISED -
PLOT DATE =	CHECKED - ACB	REVISED -
	DATE - 6/2016	REVISED -

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CH 57 OVER TRIBUTARY TO BIG CREEK ENTRANCE DETAILS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	14
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

CENTERLINE ALIGNMENT CH 57

Point CH010 N 1,135,560.634 E 849,138.092 Sta 85+00.00

Course from CH010 to PC CH57-1 N 0° 59' 31" W Dist 616.341

Curve Data

Curve CH57-1
 P.I. Station 92+44.83 N 1,136,305.351 E 849,125.198
 Delta = 4° 12' 17" (RT)
 Degree = 1° 38' 13"
 Tangent = 128.488
 Length = 256.860
 Radius = 3,500.000
 External = 2.358
 Long Chord = 256.802
 Mid. Ord. = 2.356
 P.C. Station 91+16.34 N 1,136,176.882 E 849,127.422
 P.T. Station 93+73.20 N 1,136,433.636 E 849,132.399
 C.C. = N 1,136,237.474 E 852,626.898
 Back = N 0° 59' 31" W
 Ahead = N 3° 12' 46" E
 Chord Bear = N 1° 06' 38" E

Course from PT CH57-1 to PC CH57-2 N 3° 12' 46" E Dist 103.951

Curve Data

Curve CH57-2
 P.I. Station 95+88.89 N 1,136,648.982 E 849,144.488
 Delta = 3° 39' 25" (LT)
 Degree = 1° 38' 13"
 Tangent = 111.734
 Length = 223.392
 Radius = 3,500.000
 External = 1.783
 Long Chord = 223.354
 Mid. Ord. = 1.782
 P.C. Station 94+77.15 N 1,136,537.424 E 849,138.225
 P.T. Station 97+00.54 N 1,136,760.713 E 849,143.622
 C.C. = N 1,136,733.586 E 845,643.727
 Back = N 3° 12' 46" E
 Ahead = N 0° 26' 39" W
 Chord Bear = N 1° 23' 04" E

Course from PT CH57-2 to PC CH57-3 N 0° 26' 39" W Dist 229.201

Curve Data

Curve CH57-3
 P.I. Station 101+67.78 N 1,137,227.939 E 849,140.000
 Delta = 2° 16' 45" (LT)
 Degree = 0° 28' 44"
 Tangent = 238.039
 Length = 476.016
 Radius = 11,966.000
 External = 2.367
 Long Chord = 475.985
 Mid. Ord. = 2.367
 P.C. Station 99+29.74 N 1,136,989.907 E 849,141.845
 P.T. Station 104+05.76 N 1,137,465.710 E 849,128.690
 C.C. = N 1,136,897.164 E 837,176.205
 Back = N 0° 26' 39" W
 Ahead = N 2° 43' 24" W
 Chord Bear = N 1° 35' 01" W

Course from PT CH57-3 to PC CH57-4 N 2° 43' 24" W Dist 944.783

Curve Data

Curve CH57-4
 P.I. Station 115+20.96 N 1,138,579.648 E 849,075.703
 Delta = 5° 34' 30" (LT)
 Degree = 1° 38' 13"
 Tangent = 170.415
 Length = 340.561
 Radius = 3,500.000
 External = 4.146
 Long Chord = 340.426
 Mid. Ord. = 4.141
 P.C. Station 113+50.54 N 1,138,409.426 E 849,083.800
 P.T. Station 116+91.10 N 1,138,748.279 E 849,051.108
 C.C. = N 1,138,243.129 E 845,587.753
 Back = N 2° 43' 24" W
 Ahead = N 8° 17' 54" W
 Chord Bear = N 5° 30' 39" W

Course from PT CH57-4 to PC CH57-5 N 8° 17' 54" W Dist 101.663

Curve Data

Curve CH57-5
 P.I. Station 120+34.82 N 1,139,088.395 E 849,001.500
 Delta = 7° 54' 44" (RT)
 Degree = 1° 38' 13"
 Tangent = 242.052
 Length = 483.334
 Radius = 3,500.000
 External = 8.360
 Long Chord = 482.950
 Mid. Ord. = 8.340
 P.C. Station 117+92.77 N 1,138,848.878 E 849,036.435
 P.T. Station 122+76.10 N 1,139,330.441 E 848,999.869
 C.C. = N 1,139,354.027 E 852,499.789
 Back = N 8° 17' 54" W
 Ahead = N 0° 23' 10" W
 Chord Bear = N 4° 20' 32" W

Course from PT CH57-5 to CH011 N 0° 23' 10" W Dist 398.536

Point CH011 N 1,139,728.968 E 848,997.183 Sta 126+74.64

CENTERLINE ALIGNMENT HUNTERS CROSSING

Point HUNTO01 N 1,137,150.036 E 849,139.532 Sta 20+00.00

Course from HUNTO01 to HUNTO02 N 88° 43' 22" E Dist 250.000

Point HUNTO02 N 1,137,155.608 E 849,389.470 Sta 22+50.00

CENTERLINE ALIGNMENT COUNTRYSIDE DRIVE

Point CNTRY001 N 1,138,214.178 E 849,093.088 Sta 30+00.00

Course from CNTRY001 to CNTRY002 S 89° 42' 48" E Dist 150.000

Point CNTRY002 N 1,138,213.428 E 849,243.086 Sta 31+50.00

CENTERLINE ALIGNMENT LEHMAN ROAD

Curve Data

Curve LEHMAN-1
 P.I. Station 7+73.31 N 1,136,872.436 E 848,914.015
 Delta = 22° 48' 54" (LT)
 Degree = 15° 00' 00"
 Tangent = 77.071
 Length = 152.100
 Radius = 381.970
 External = 7.698
 Long Chord = 151.097
 Mid. Ord. = 7.546
 P.C. Station 6+96.24 N 1,136,901.769 E 848,842.744
 P.T. Station 8+48.34 N 1,136,873.033 E 848,991.083
 C.C. = N 1,137,254.991 E 848,988.123
 Back = S 67° 37' 44" E
 Ahead = N 89° 33' 21" E
 Chord Bear = S 79° 02' 11" E

Course from PT LEHMAN-1 to LEH002 N 89° 33' 21" E Dist 151.663

Point LEH002 N 1,136,874.208 E 849,142.742 Sta 10+00.00

BENCHMARKS

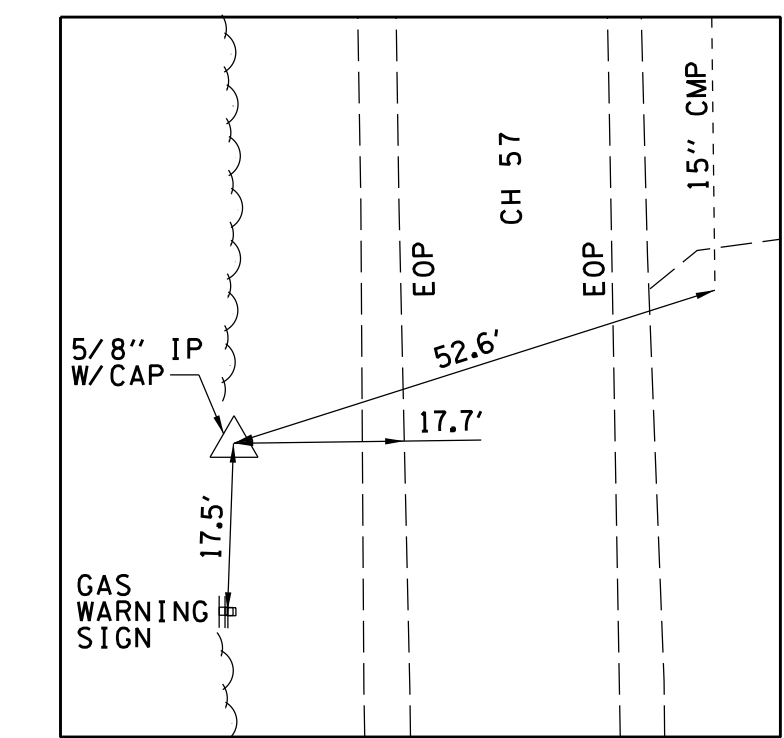
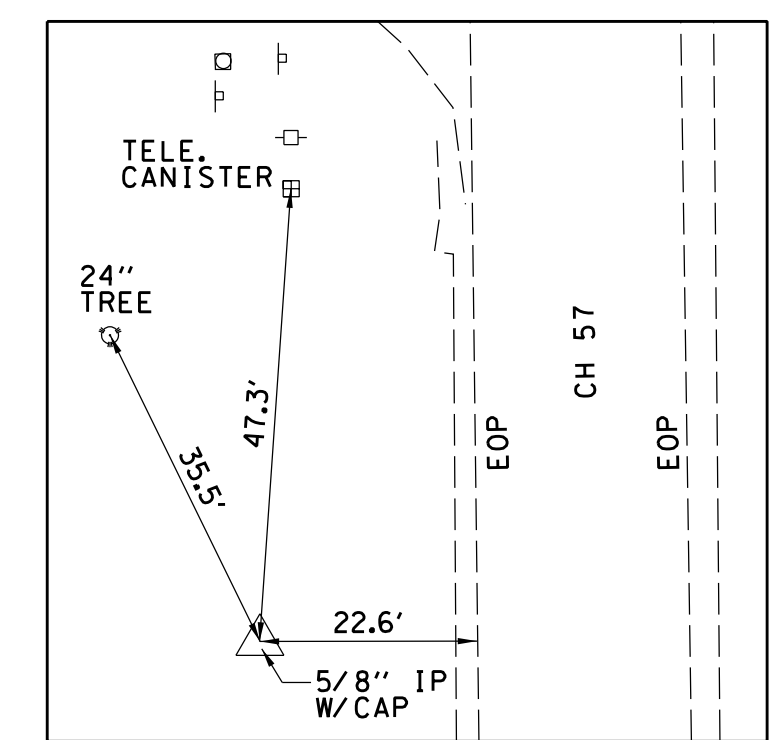
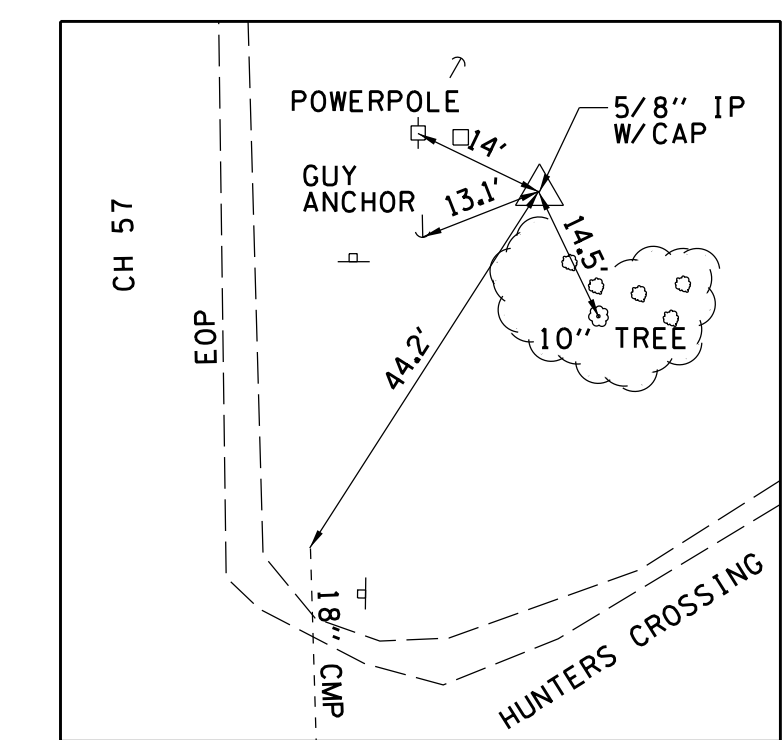
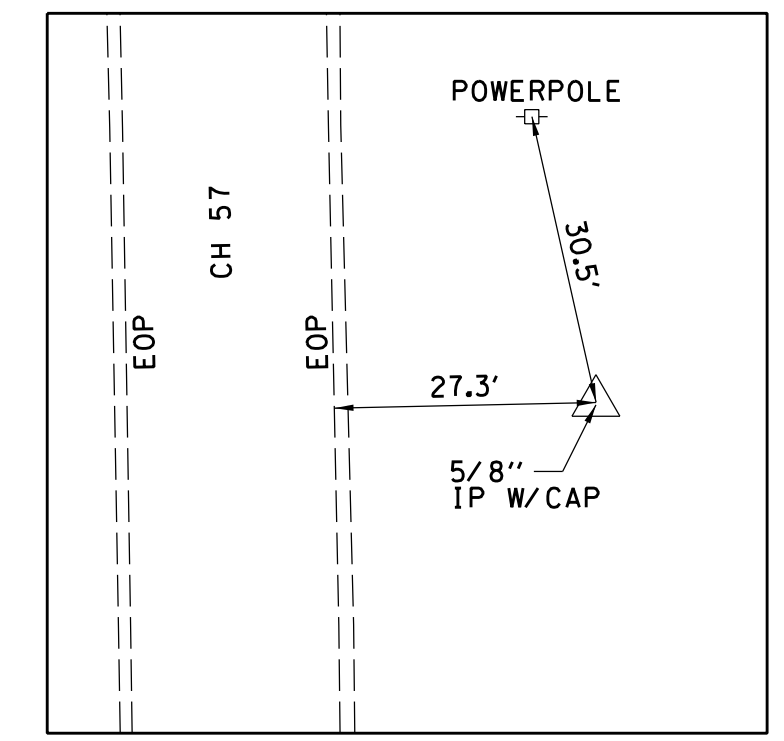
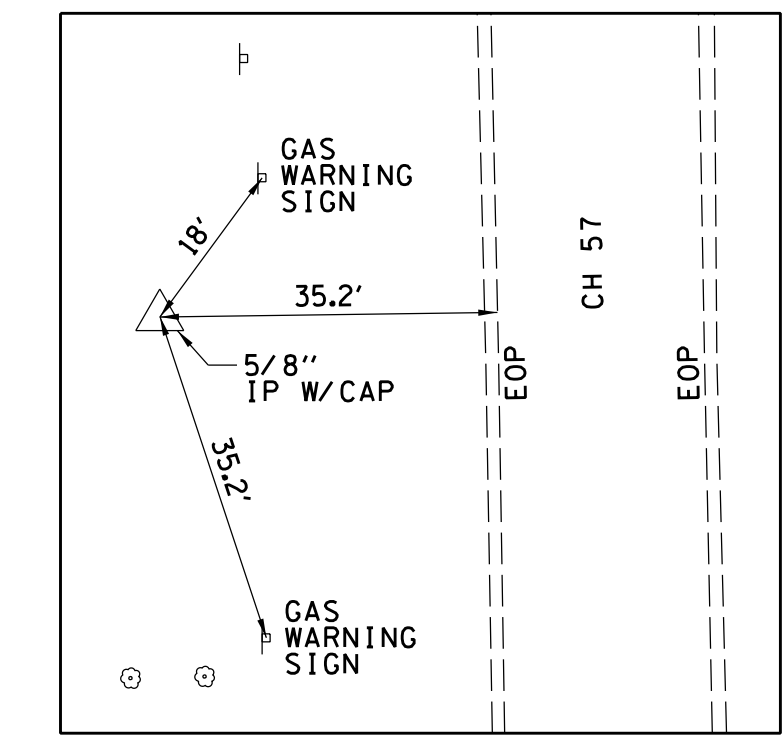
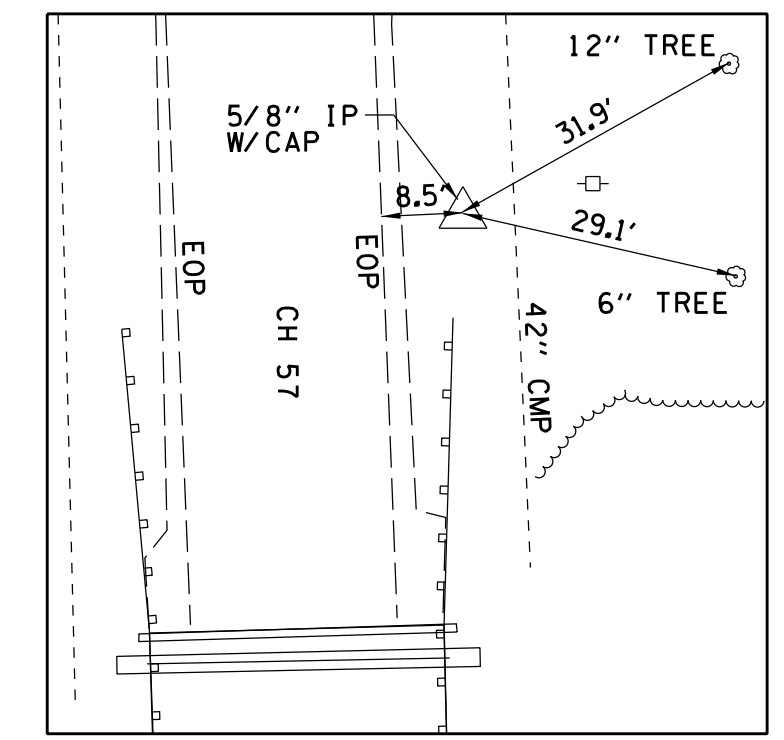
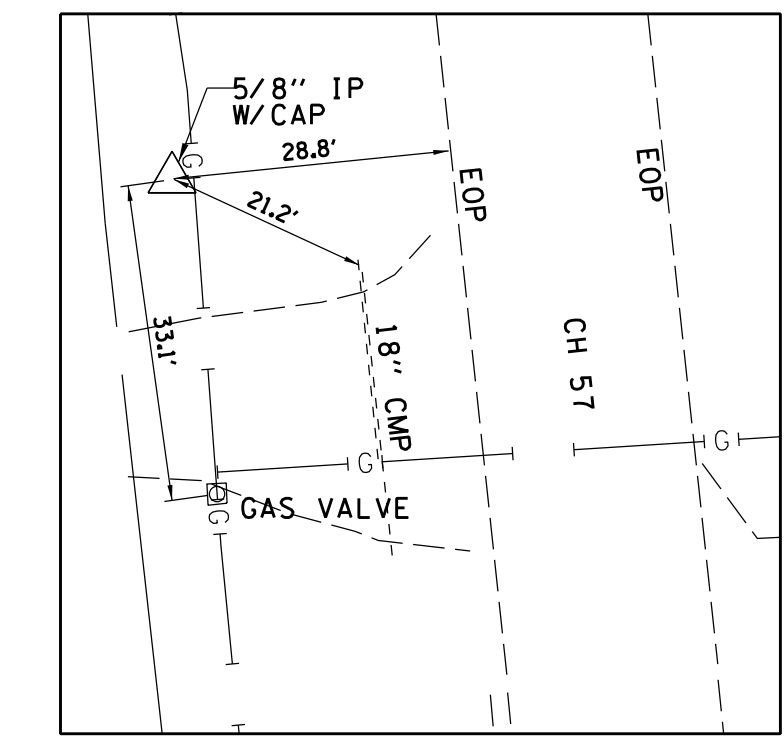
BENCHMARK NO. 1
 RR SPIKE IN PWP NEAR NW COR.
 OF SECTION 6
 STA 113+33.1, 1.3' RT
 ELEV. 684.95

BENCHMARK NO. 2
 "M" IN MUELLER ON HYDRANT
 STA 108+48.2, 24.6' RT
 ELEV. 675.51

BENCHMARK NO. 3
 RR SPIKE IN SOUTH SIDE OF PWP
 STA 108+30.7, 100.7' RT
 ELEV. 674.78

BENCHMARK NO. 4
 RR SPIKE IN SOUTH SIDE OF PWP
 STA 94+89.2, 14.0' RT
 ELEV. 695.94

BENCHMARK NO. 5
 "M" IN MUELLER ON HYDRANT
 NEAR INTERSECTION CH 57 &
 HUNTERS CROSSING
 STA 100+49.5, 65.5' RT
 ELEV. 693.73



CENTERLINE ALIGNMENT LEHMAN ROAD

Curve Data

Curve LEHMAN-1
 P.I. Station 7+73.31 N 1,136,872.436 E 848,914.015
 Delta = 22° 48' 54" (LT)
 Degree = 15° 00' 00"
 Tangent = 77.071
 Length = 152.100
 Radius = 381.970
 External = 7.698
 Long Chord = 151.097
 Mid. Ord. = 7.546
 P.C. Station 6+96.24 N 1,136,901.769 E 848,842.744
 P.T. Station 8+48.34 N 1,136,873.033 E 848,991.083
 C.C. = N 1,137,254.991 E 848,988.123
 Back = S 67° 37' 44" E
 Ahead = N 89° 33' 21" E
 Chord Bear = S 79° 02' 11" E

Course from PT LEHMAN-1 to LEH002 N 89° 33' 21" E Dist 151.663

Point LEH002 N 1,136,874.208 E 849,142.742 Sta 10+00.00

CENTERLINE ALIGNMENT LEHMAN ROAD

Curve Data

Curve LEHMAN-1
 P.I. Station 7+73.31 N 1,136,872.436 E 848,914.015
 Delta = 22° 48' 54" (LT)
 Degree = 15° 00' 00"
 Tangent = 77.071
 Length = 152.100
 Radius = 381.970
 External = 7.698
 Long Chord = 151.097
 Mid. Ord. = 7.546
 P.C. Station 6+96.24 N 1,136,901.769 E 848,842.744
 P.T. Station 8+48.34 N 1,136,873.033 E 848,991.083
 C.C. = N 1,137,254.991 E 848,988.123
 Back = S 67° 37' 44" E
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 Chord Bear = S 79° 02' 11" E

Course from PT LEHMAN-1 to LEH002 N 89° 33' 21" E Dist 151.663

Point LEH002 N 1,136,874.208 E 849,142.742 Sta 10+00.00

CONTROL POINT COORDINATES

PT. #	NORTHING	EASTING
1	1138409.482	849014.146
2	1137782.479	849120.810
3	1137580.436	849061.465
4	1137547.279	849146.086
5	1137167.019	849155.916
6	1136787.034	849083.325
7	1136577.830	849091.931

USER NAME =	DESIGNED - ACB	REVISED -
PLOT SCALE =	DRAWN - DLB	REVISED -
PLOT DATE =	CHECKED - ACB	REVISED -
	DATE - 6/2016	REVISED -

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

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 ROCKFORD (815) 489-0050
 184-001397

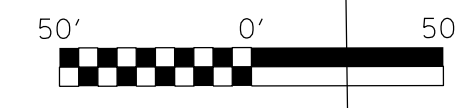
CH 57 OVER TRIBUTARY TO BIG CREEK ALIGNMENTS, TIES, AND BENCHMARKS

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

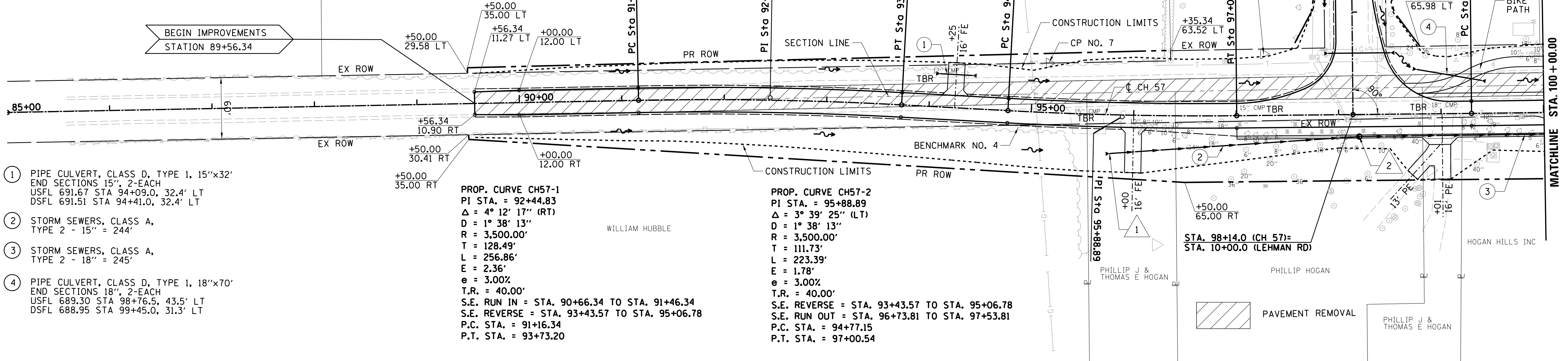
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	15
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

- 1 STA 95+77.3, 37.9' RT
PRC FLAR END SEC 15
INV N = 689.98
- 2 STA 98+20, 21.5' RT
MH TYA, 4" DIA
TY 9 F&G
ELEV 692.42
INV 15" S = 688.66
INV 18" N = 688.60

WALTER J & ELAINE KOSTENSKI



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO.	

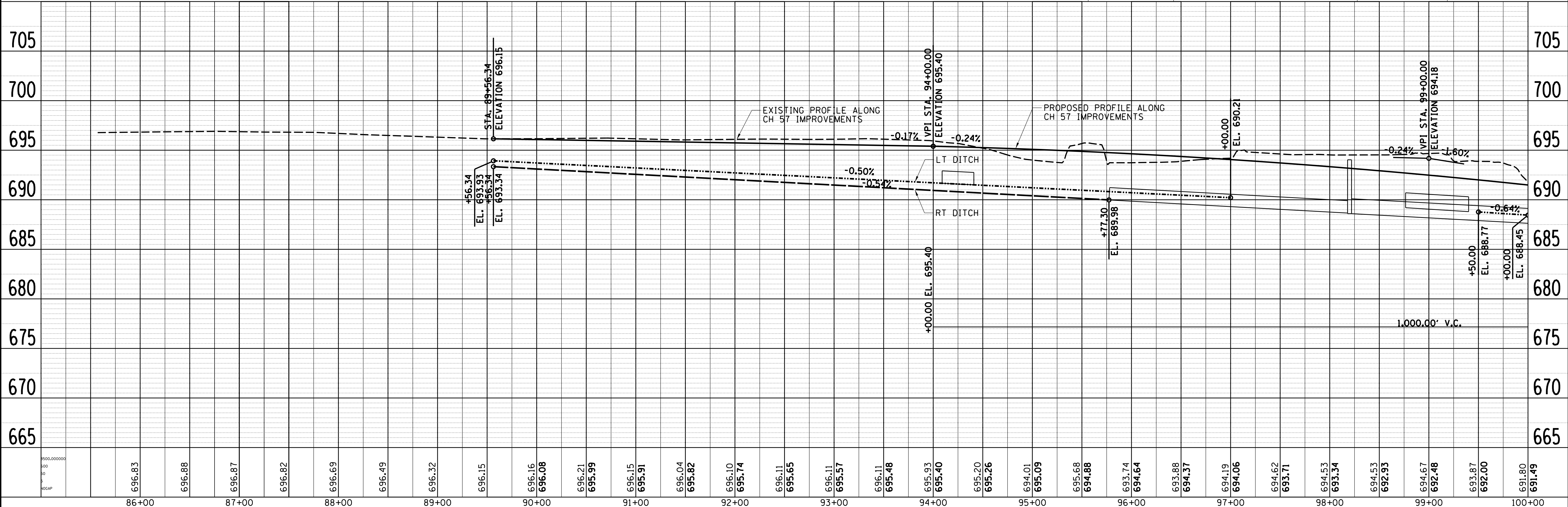


- 1 PIPE CULVERT, CLASS D, TYPE 1, 15"x32'
END SECTIONS 15', 2-EACH
USFL 691.67 STA 94+09.0, 32.4' LT
DSFL 691.51 STA 94+41.0, 32.4' LT
- 2 STORM SEWERS, CLASS A,
TYPE 2 - 15" = 244'
- 3 STORM SEWERS, CLASS A,
TYPE 2 - 18" = 245'
- 4 PIPE CULVERT, CLASS D, TYPE 1, 18"x70'
END SECTIONS 18', 2-EACH
USFL 689.30 STA 98+76.5, 43.5' LT
DSFL 688.95 STA 99+45.0, 31.3' LT

PROP. CURVE CH57-1
 PI STA. = 92+44.83
 Δ = 4° 12' 17" (RT)
 D = 1° 38' 13"
 R = 3,500.00'
 T = 128.49'
 L = 256.86'
 E = 2.36'
 e = 3.00%
 T.R. = 40.00'
 S.E. RUN IN = STA. 90+66.34 TO STA. 91+46.34
 S.E. REVERSE = STA. 93+43.57 TO STA. 95+06.78
 P.C. STA. = 91+16.34
 P.T. STA. = 93+73.20

PROP. CURVE CH57-2
 PI STA. = 95+88.89
 Δ = 3° 39' 25" (LT)
 D = 1° 38' 13"
 R = 3,500.00'
 T = 111.73'
 L = 223.39'
 E = 1.78'
 e = 3.00%
 T.R. = 40.00'
 S.E. REVERSE = STA. 93+43.57 TO STA. 95+06.78
 S.E. RUN OUT = STA. 96+73.81 TO STA. 97+53.81
 P.C. STA. = 94+77.15
 P.T. STA. = 97+00.54

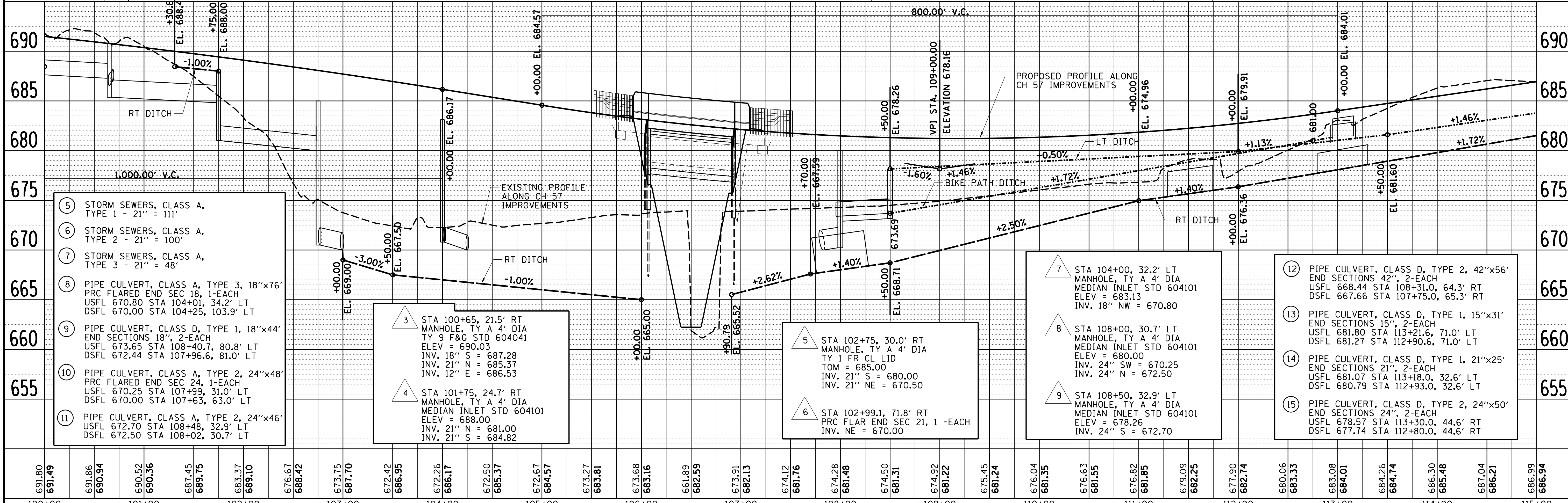
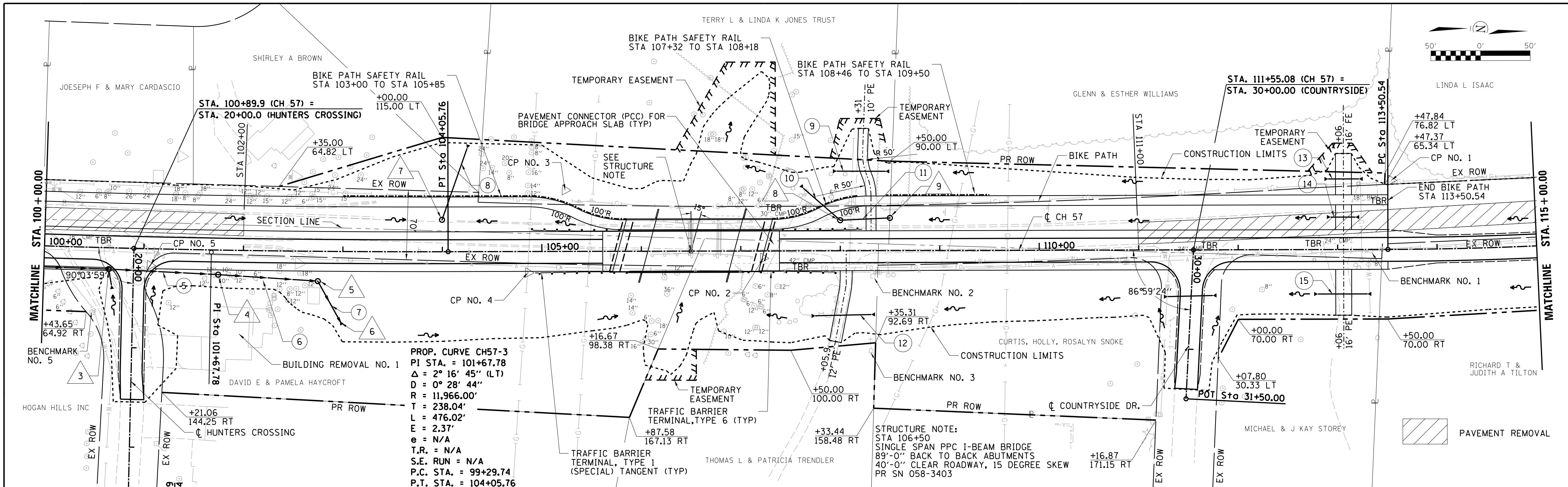
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



FILE NAME =	USER NAME = rkocher	DESIGNED -	REVISED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CH 57 OVER TRIBUTARY TO BIG CREEK			F.A.U. RT. 7413	SECTION 12-00249-00-BR	COUNTY MACON	TOTAL SHEETS 117	SHEET NO. 16
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -		PLAN AND PROFILE			CONTRACT NO. 95798		ILLINOIS FED. AID PROJECT		
PLOT DATE = 1/22/2019		DATE -	REVISED -		SCALE: 1"=50'			SHEET NO. 1 OF 6 SHEETS		STA. TO STA.		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO. 1		
	NO. 2		
	NO. 3		
	NO. 4		
	NO. 5		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO. 1		
	NO. 2		
	NO. 3		
	NO. 4		
	NO. 5		



- 5 STORM SEWERS, CLASS A, TYPE 1 - 21" = 111'
- 6 STORM SEWERS, CLASS A, TYPE 2 - 21" = 100'
- 7 STORM SEWERS, CLASS A, TYPE 3 - 21" = 48'
- 8 PIPE CULVERT, CLASS A, TYPE 3, 18"x76" PRC FLARED END SEC 18, 1-EACH USFL 670.80 STA 104+01, 34.2' LT DSFL 670.00 STA 104+25, 103.9' LT
- 9 PIPE CULVERT, CLASS D, TYPE 1, 18"x44" END SECTIONS 18", 2-EACH USFL 673.65 STA 108+40.7, 80.8' LT DSFL 672.44 STA 107+96.6, 81.0' LT
- 10 PIPE CULVERT, CLASS A, TYPE 2, 24"x48" PRC FLARED END SEC 24, 1-EACH USFL 670.25 STA 107+99, 31.0' LT DSFL 670.00 STA 107+63, 63.0' LT
- 11 PIPE CULVERT, CLASS A, TYPE 2, 24"x46" USFL 672.70 STA 108+48, 32.9' LT DSFL 672.50 STA 108+02, 30.7' LT

- 3 STA 100+65, 21.5' RT MANHOLE, TY A 4' DIA TY 9 F&G STD 604041 ELEV = 690.03 INV. 18" S = 687.28 INV. 21" N = 685.37 INV. 12" E = 686.53
- 4 STA 101+75, 24.7' RT MANHOLE, TY A 4' DIA MEDIAN INLET STD 604101 ELEV = 688.00 INV. 21" N = 681.00 INV. 21" S = 684.82

- 5 STA 102+75, 30.0' RT MANHOLE, TY A 4' DIA TY 1 FR CL LID TOM = 685.00 INV. 21" S = 680.00 INV. 12" E = 686.53
- 6 STA 102+99.1, 71.8' RT PRC FLAR END SEC 21, 1 -EACH INV. NE = 670.00

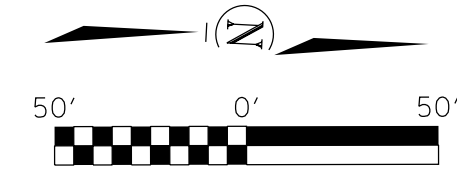
- 7 STA 104+00, 32.2' LT MANHOLE, TY A 4' DIA MEDIAN INLET STD 604101 ELEV = 683.13 INV. 18" NW = 670.80
- 8 STA 108+00, 30.7' LT MANHOLE, TY A 4' DIA MEDIAN INLET STD 604101 ELEV = 680.00 INV. 24" SW = 670.25 INV. 24" N = 672.50
- 9 STA 108+50, 32.9' LT MANHOLE, TY A 4' DIA MEDIAN INLET STD 604101 ELEV = 678.26 INV. 24" S = 672.70

- 12 PIPE CULVERT, CLASS D, TYPE 2, 42"x56" END SECTIONS 42", 2-EACH USFL 668.44 STA 108+31.0, 64.3' RT DSFL 667.66 STA 107+75.0, 65.3' RT
- 13 PIPE CULVERT, CLASS D, TYPE 1, 15"x31" END SECTIONS 15", 2-EACH USFL 681.80 STA 113+21.6, 71.0' LT DSFL 681.27 STA 112+90.6, 71.0' LT
- 14 PIPE CULVERT, CLASS D, TYPE 1, 21"x25" END SECTIONS 21", 2-EACH USFL 681.07 STA 113+18.0, 32.6' LT DSFL 680.79 STA 112+93.0, 32.6' LT
- 15 PIPE CULVERT, CLASS D, TYPE 2, 24"x50" END SECTIONS 24", 2-EACH USFL 678.57 STA 113+30.0, 44.6' RT DSFL 677.74 STA 112+80.0, 44.6' RT

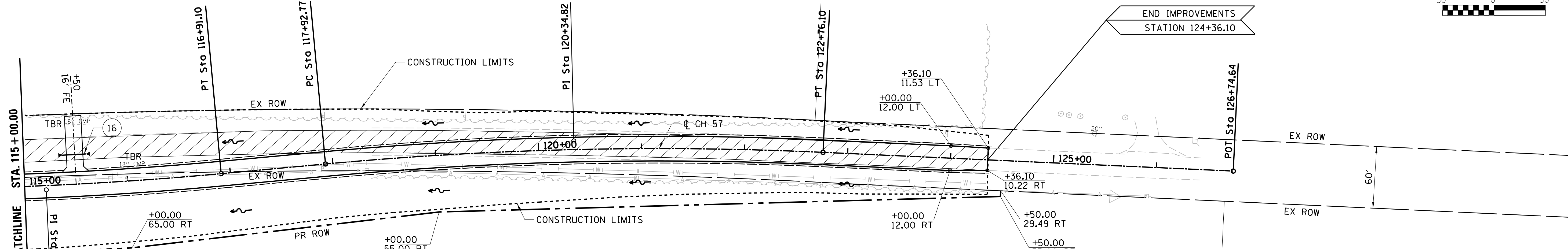
16 PIPE CULVERT, CLASS D, TYPE 1, 18"x23'
 METAL END SECTIONS 18", 2-EACH
 USFL 684.68 STA 115+61.0, 28.5' LT
 DSFL 684.34 STA 115+38.0, 28.5' LT

LINDA L ISAAC

TROY R & MELODY TILTON



PLAN	SURVEYED	BY	DATE
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	CHECKED		
	ALIGNED		
	FILED		
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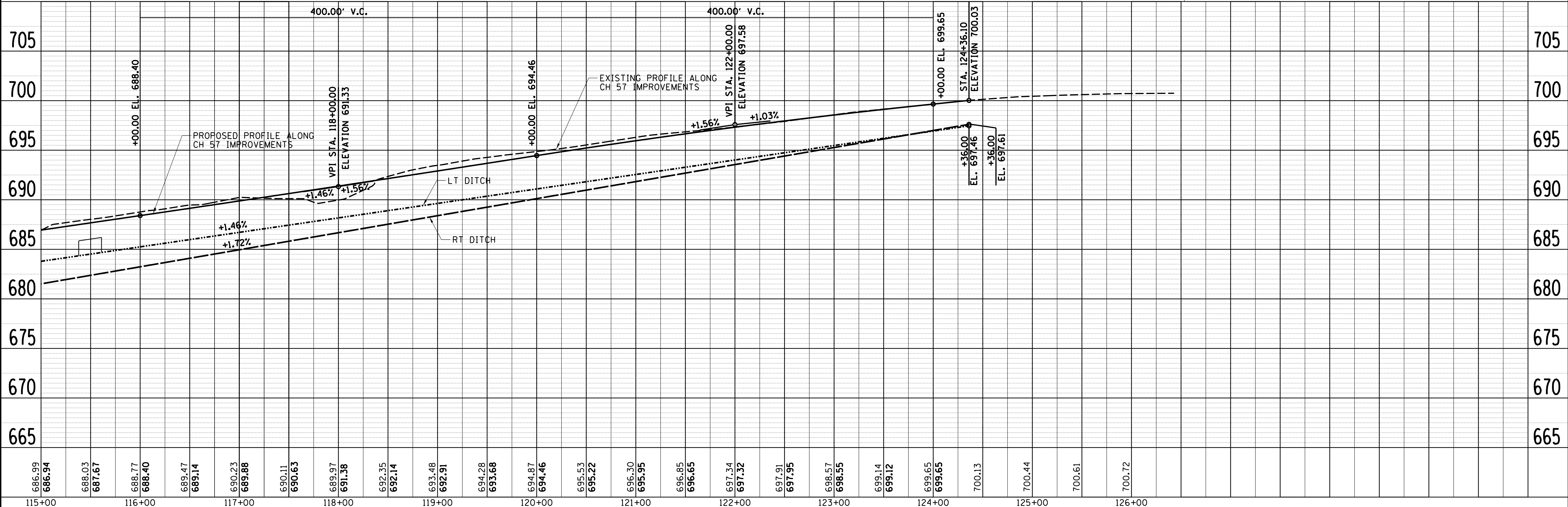
PROP. CURVE CH57-4
 PI STA. = 115+20.96
 $\Delta = 5^\circ 34' 30''$ (LT)
 $D = 1^\circ 38' 13''$
 $R = 3,500.00'$
 $T = 170.41'$
 $L = 340.56'$
 $E = 4.15'$
 $e = 3.00\%$
 $T.R. = 40.00'$
 S.E. RUN IN = STA. 113+00.54 TO STA. 113+80.54
 S.E. REVERSE = STA. 116+60.33 TO STA. 118+23.54
 P.C. STA. = 113+50.54
 P.T. STA. = 116+91.10

RICHARD T & JUDITH A TILTON

PROP. CURVE CH57-5
 PI STA. = 120+34.82
 $\Delta = 7^\circ 54' 44''$ (RT)
 $D = 1^\circ 38' 13''$
 $R = 3,500.00'$
 $T = 242.05'$
 $L = 483.33'$
 $E = 8.36'$
 $e = 3.00\%$
 $T.R. = 40.00'$
 S.E. REVERSE = STA. 116+60.33 TO STA. 118+23.54
 S.E. RUN OUT = STA. 122+46.10 TO STA. 123+26.10
 P.C. STA. = 117+92.77
 P.T. STA. = 122+76.10



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



686.99	688.03	689.47	690.23	690.63	691.38	692.35	693.48	694.87	695.53	696.30	696.85	697.34	697.91	698.57	699.14	699.65	700.13	700.44	700.61	700.72	115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00
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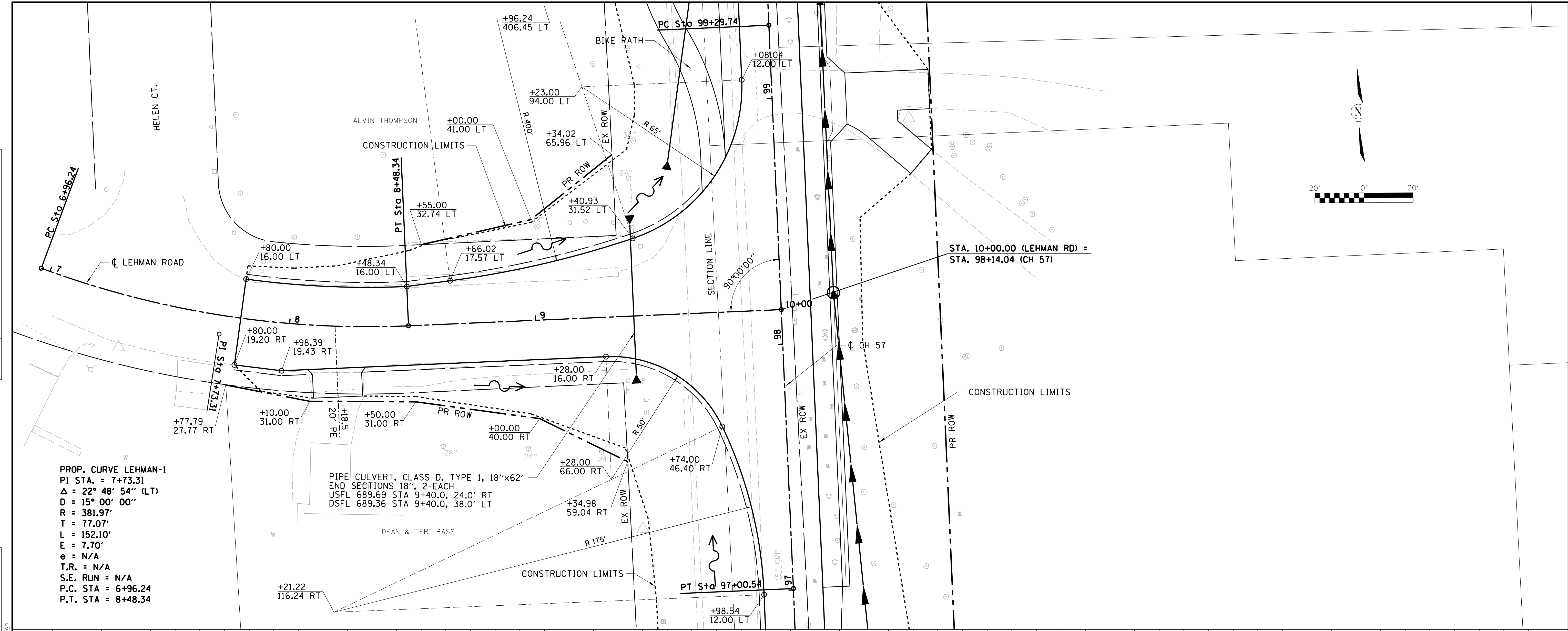
DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
 PLAN AND PROFILE
 SCALE: 1"=50' SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	18
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

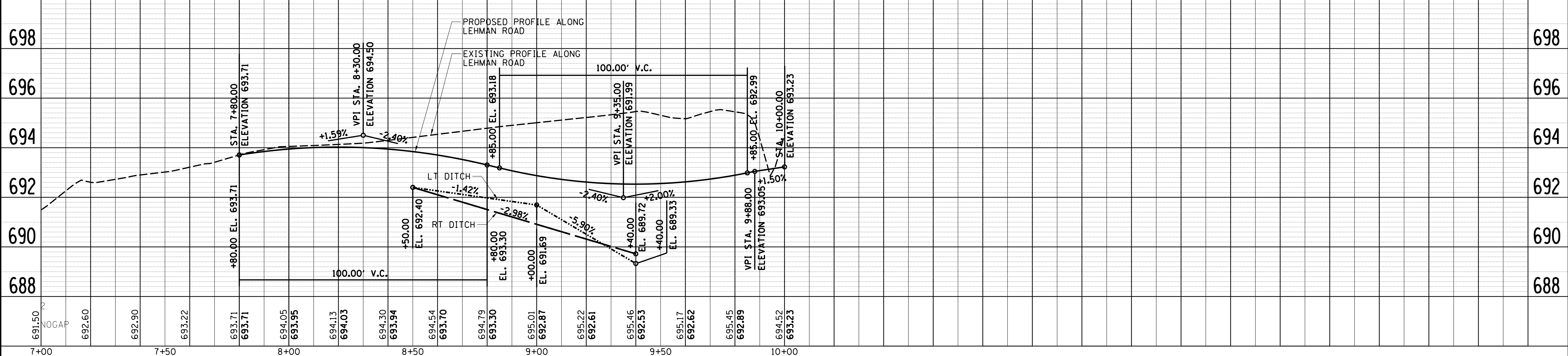
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	PLOTTED		
	CHECKED		
	ALLOWED		
	NO. _____		
	NO. _____		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	NO. _____		
	NO. _____		



PROP. CURVE LEHMAN-1
 PI STA. = 7+73.31
 $\Delta = 22^\circ 48' 54''$ (LT)
 $D = 15^\circ 00' 00''$
 $R = 381.97'$
 $T = 77.07'$
 $L = 152.10'$
 $E = 7.70'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA = 6+96.24$
 $P.T. STA = 8+48.34$

PIPE CULVERT, CLASS D, TYPE 1, 18"x62"
 END SECTIONS 18", 2-EACH
 USFL 689.69 STA 9+40.0, 24.0' RT
 DSFL 689.36 STA 9+40.0, 38.0' LT



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USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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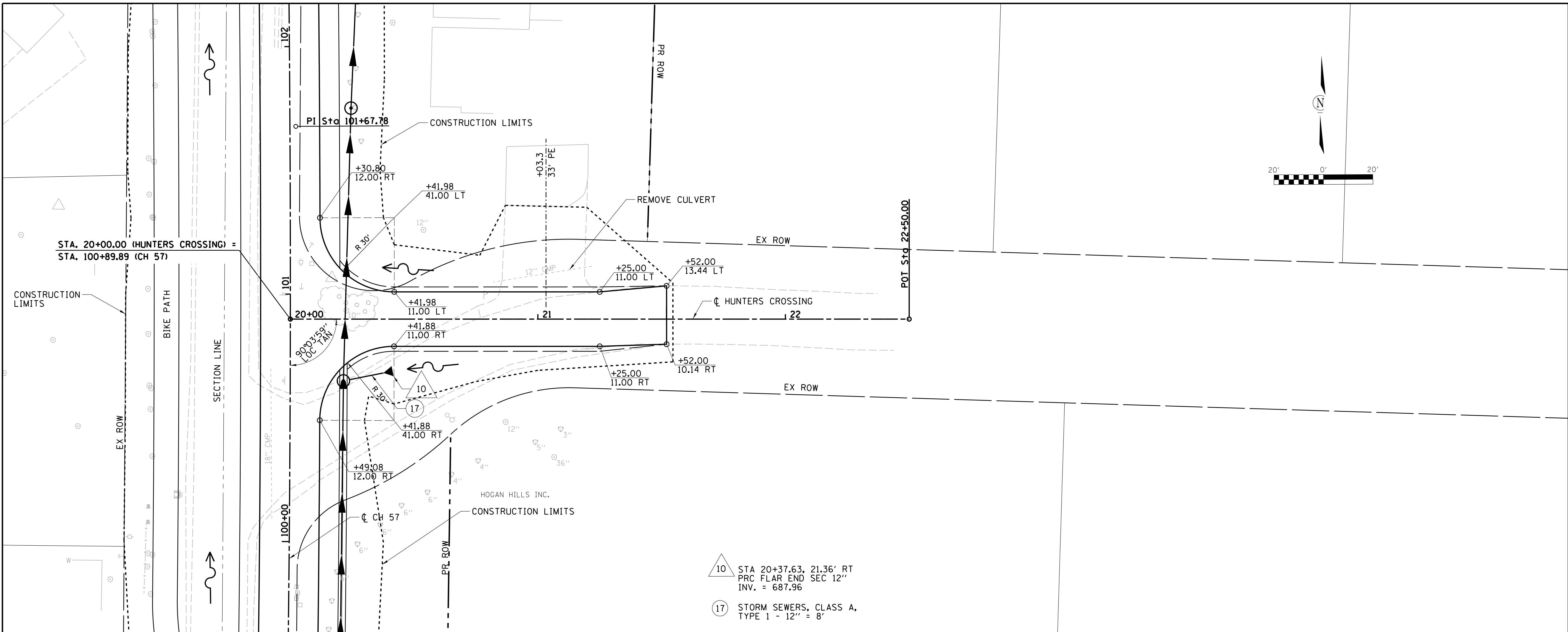
CH 57 OVER TRIBUTARY TO BIG CREEK
PLAN AND PROFILE - LEHMAN ROAD
 SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	19
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

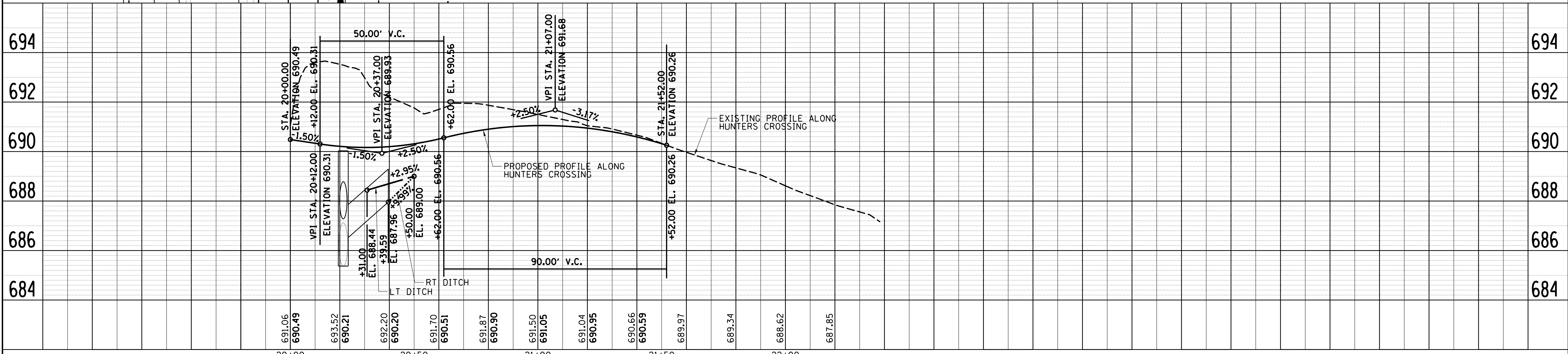
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	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOT AT THIS CROSSING	
	NO.	
	FILE NAME	

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- 10 STA 20+37.63, 21.36' RT
PRC FLAR END SEC 12"
INV. = 687.96
- 17 STORM SEWERS, CLASS A,
TYPE 1 - 12" = 8'



USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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**CH 57 OVER TRIBUTARY TO BIG CREEK
PLAN AND PROFILE - HUNTERS CROSSING**

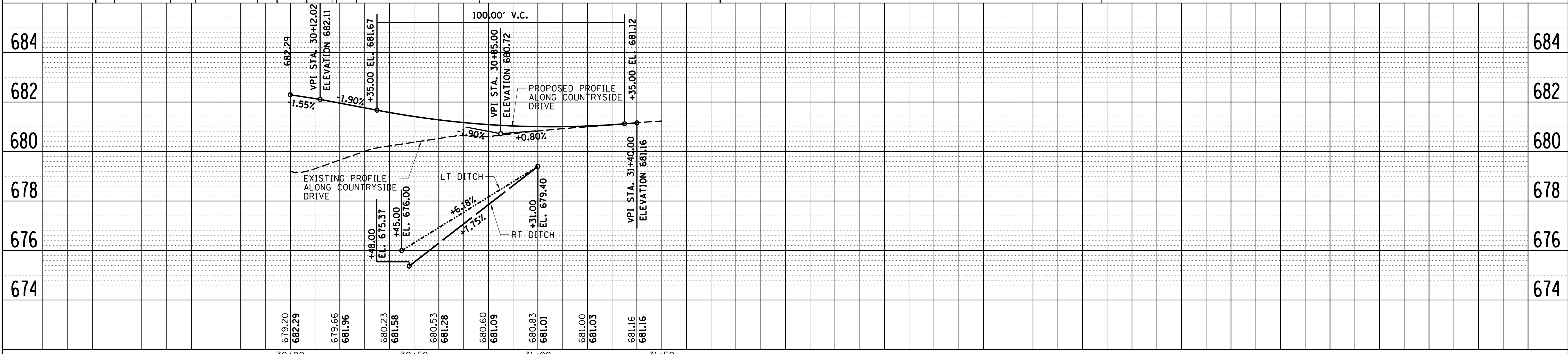
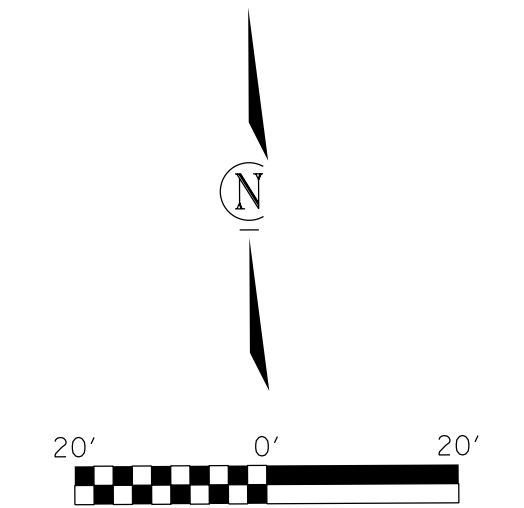
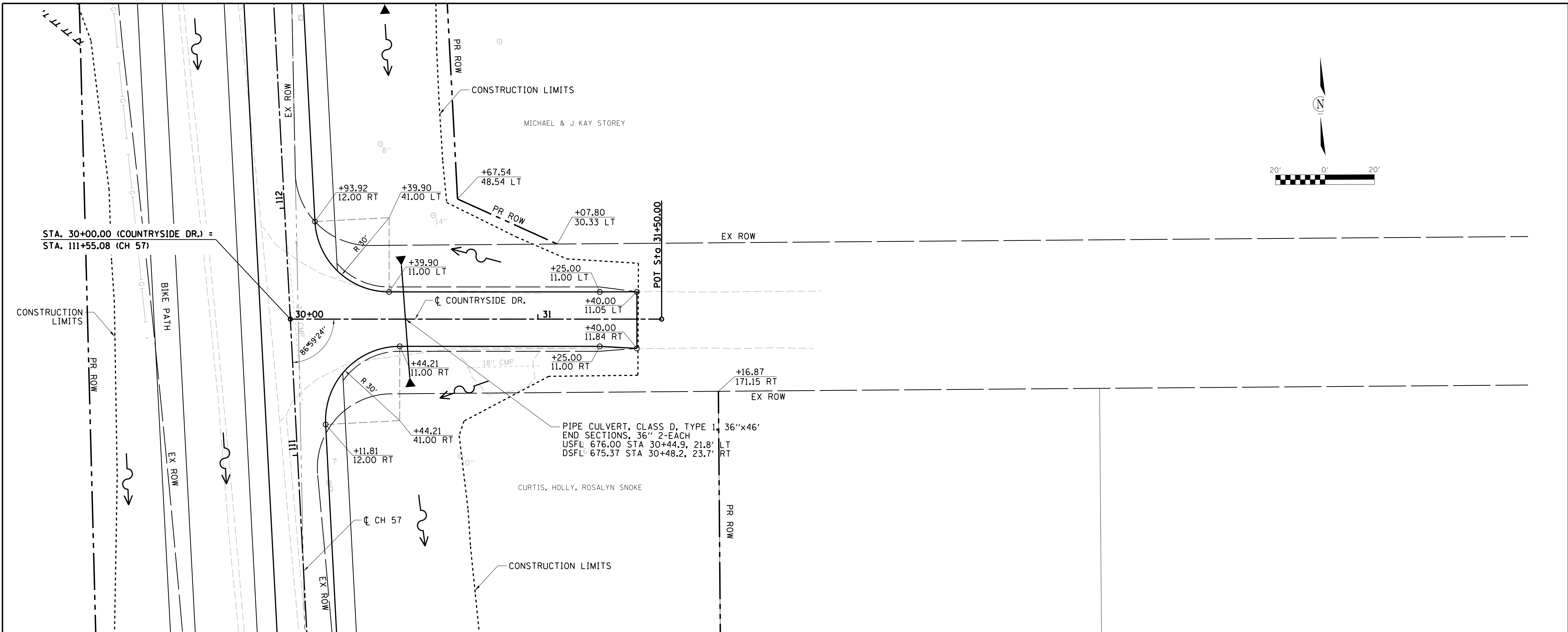
SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	20
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ATTEMPTED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

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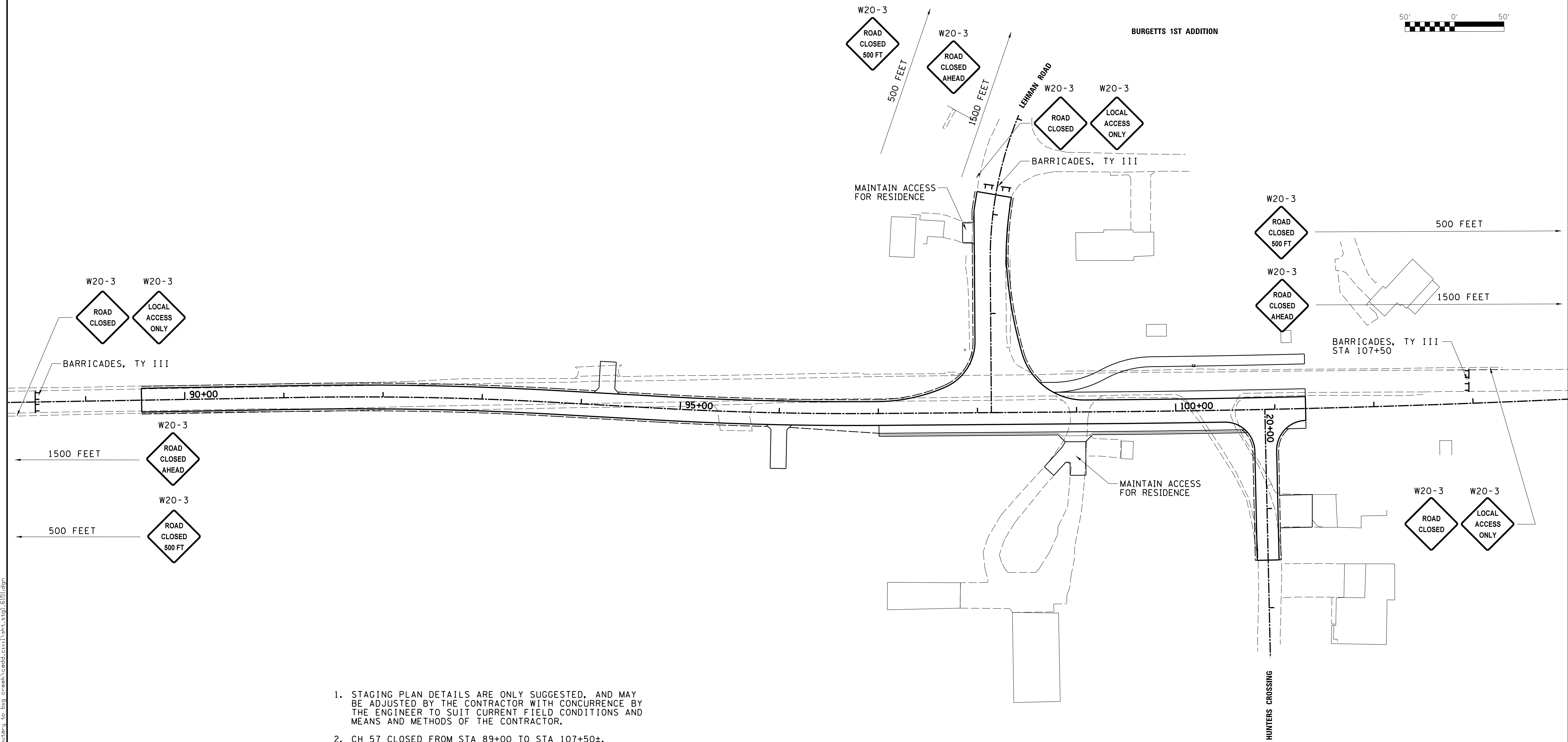
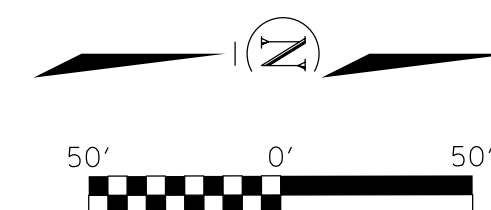
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PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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CH 57 OVER TRIBUTARY TO BIG CREEK			
PLAN AND PROFILE - COUNTRYSIDE DRIVE			
SCALE:	SHEET NO. 6 OF 6 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	21
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



1. STAGING PLAN DETAILS ARE ONLY SUGGESTED, AND MAY BE ADJUSTED BY THE CONTRACTOR WITH CONCURRENCE BY THE ENGINEER TO SUIT CURRENT FIELD CONDITIONS AND MEANS AND METHODS OF THE CONTRACTOR.
2. CH 57 CLOSED FROM STA 89+00 TO STA 107+50±.
3. ACCESS FROM CH 57 TO HUNTERS CROSSING RESTRICTED TO SOUTHBOUND LEFT IN AND NORTHBOUND RIGHT OUT.
4. PROVIDE ACCESS TO ALL RESIDENCES DURING CONSTRUCTION. CONTRACTOR SHALL DETERMINE LOCATION OF LOCAL ACCESS. COST OF TEMPORARY ACCESS SHALL BE INCLUDED IN BLR 21-9.
5. RESIDENTS OF BURGETTS 1ST ADD. SHALL INGRESS AND EGRESS TO THE WEST.
6. CONSTRUCT CH 57 FROM STA 89+56.34 TO STA 101+31.
7. ADD ADDITIONAL SIGNS ALONG CH 57 PER STD. BLR 21-9.

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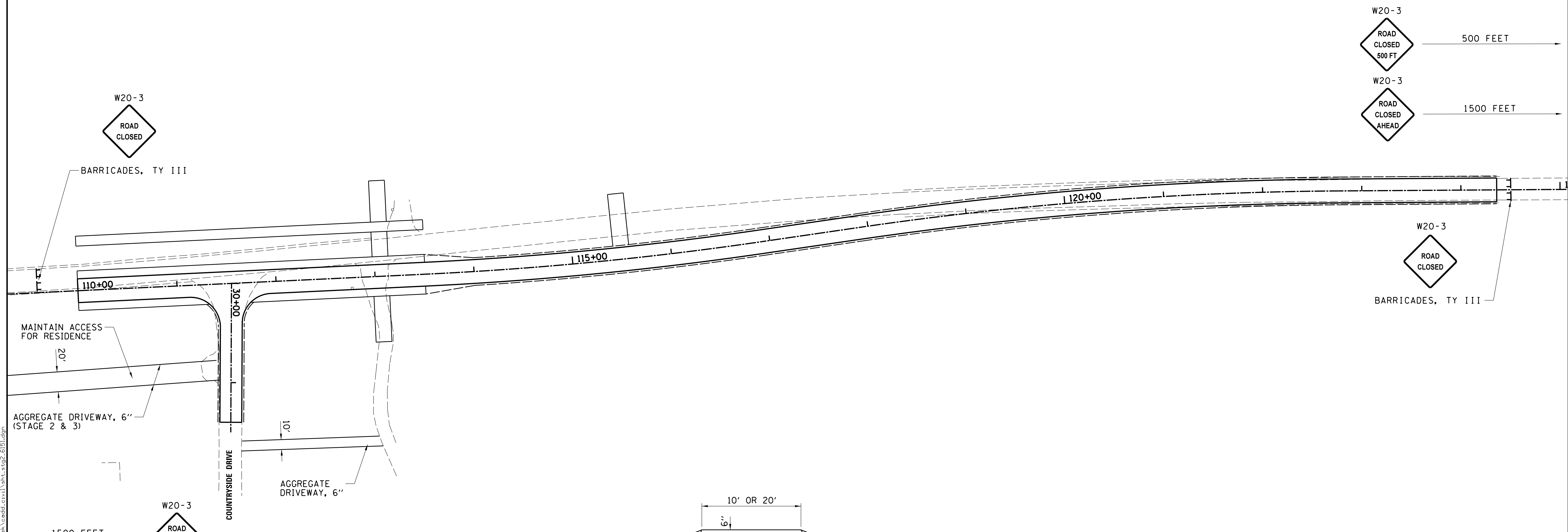
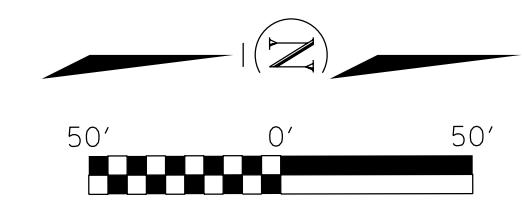
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	DRAWN - DLB	REVISED -
PLOT SCALE =	CHECKED - ACB	REVISED -
PLOT DATE =	DATE - 6/2016	REVISED -



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CH 57 OVER TRIBUTARY TO BIG CREEK STAGING PLAN - STAGE 1			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	22
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



1. STAGING PLAN DETAILS ARE ONLY SUGGESTED, AND MAY BE ADJUSTED BY THE CONTRACTOR WITH CONCURRENCE BY THE ENGINEER TO SUIT CURRENT FIELD CONDITIONS AND MEANS AND METHODS OF THE CONTRACTOR.
2. CH 57 CLOSED FROM STA 108+50 TO STA 125+00±
3. PROVIDE 10' WIDE AGGREGATE DRIVEWAY TO RESIDENCE NORTH OF COUNTRYSIDE DRIVE.
4. CONSTRUCT CH 57 FROM STA 110+00 TO STA 124+36.10 CONSTRUCT ALL OF COUNTRYSIDE DRIVE.
5. ACCESS FOR CH 57 TO COUNTRYSIDE DRIVE RESTRICTED TO AGGREGATE DRIVEWAY TO BE CONSTRUCTED IN STAGE 2. FOR FULL EXTENTS OF DRIVEWAY SEE STAGING PLAN - STAGE 3 SHEET.
6. ADD ADDITIONAL SIGNS ALONG CH 57 PER STD. BLR 21-9

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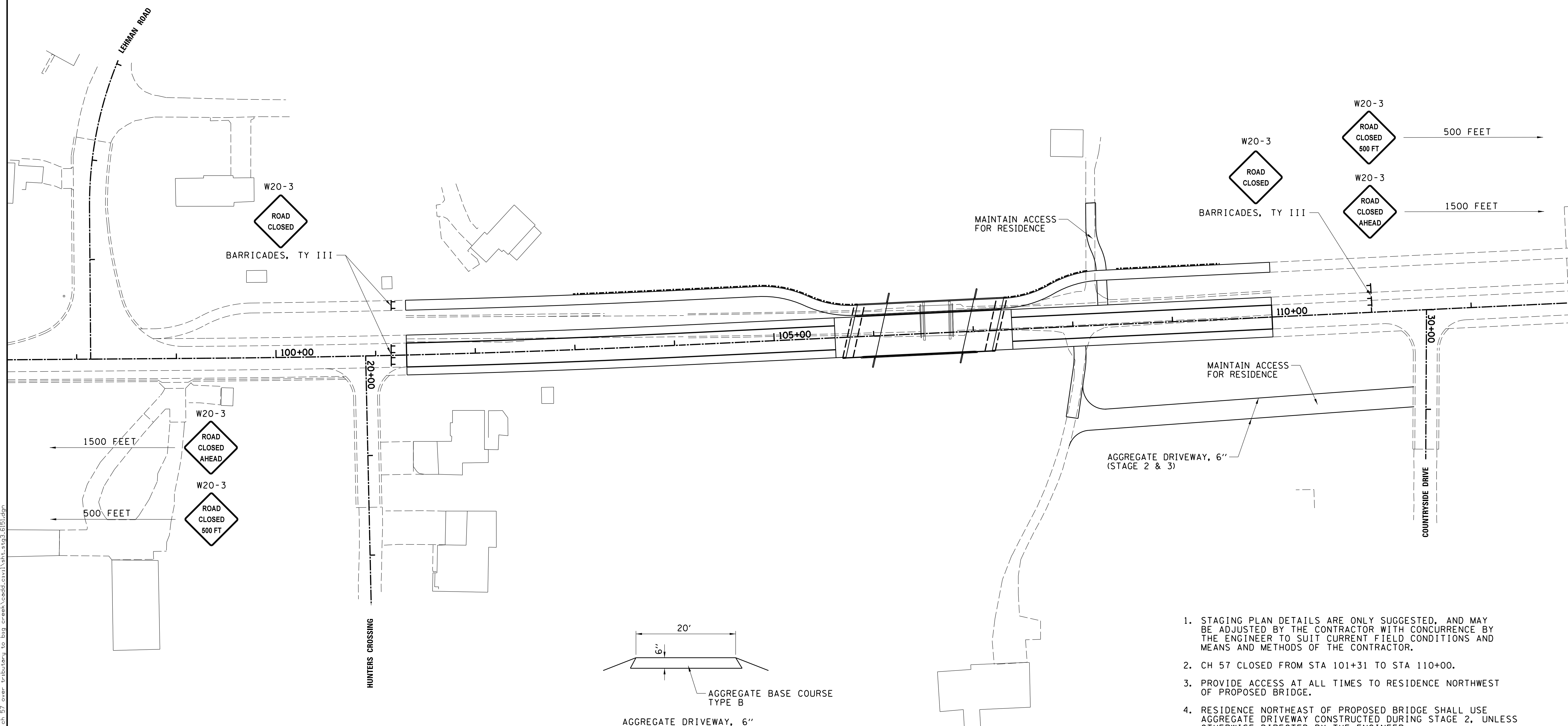
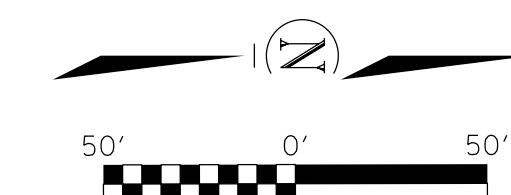
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PLOT DATE =	DATE - 6/2016	REVISED -



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CH 57 OVER TRIBUTARY TO BIG CREEK			
STAGING PLAN - STAGE 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	23
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



1. STAGING PLAN DETAILS ARE ONLY SUGGESTED, AND MAY BE ADJUSTED BY THE CONTRACTOR WITH CONCURRENCE BY THE ENGINEER TO SUIT CURRENT FIELD CONDITIONS AND MEANS AND METHODS OF THE CONTRACTOR.
2. CH 57 CLOSED FROM STA 101+31 TO STA 110+00.
3. PROVIDE ACCESS AT ALL TIMES TO RESIDENCE NORTHWEST OF PROPOSED BRIDGE.
4. RESIDENCE NORTHEAST OF PROPOSED BRIDGE SHALL USE AGGREGATE DRIVEWAY CONSTRUCTED DURING STAGE 2, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. CONSTRUCT CH 57 FROM STA 101+31 TO STA 110+00.
6. ACCESS FROM CH 57 TO COUNTRYSIDE DRIVE RESTRICTED TO SOUTHBOUND LEFT IN AND NORTHBOUND RIGHT OUT.
7. ACCESS FROM CH 57 TO HUNTERS CROSSING RESTRICTED TO NORTHBOUND RIGHT IN AND SOUTHBOUND LEFT OUT.
8. ADD ADDITIONAL SIGNS ALONG CH 57 PER STD. BLR 21-9.

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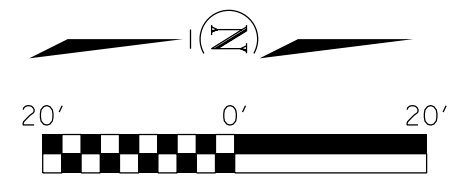
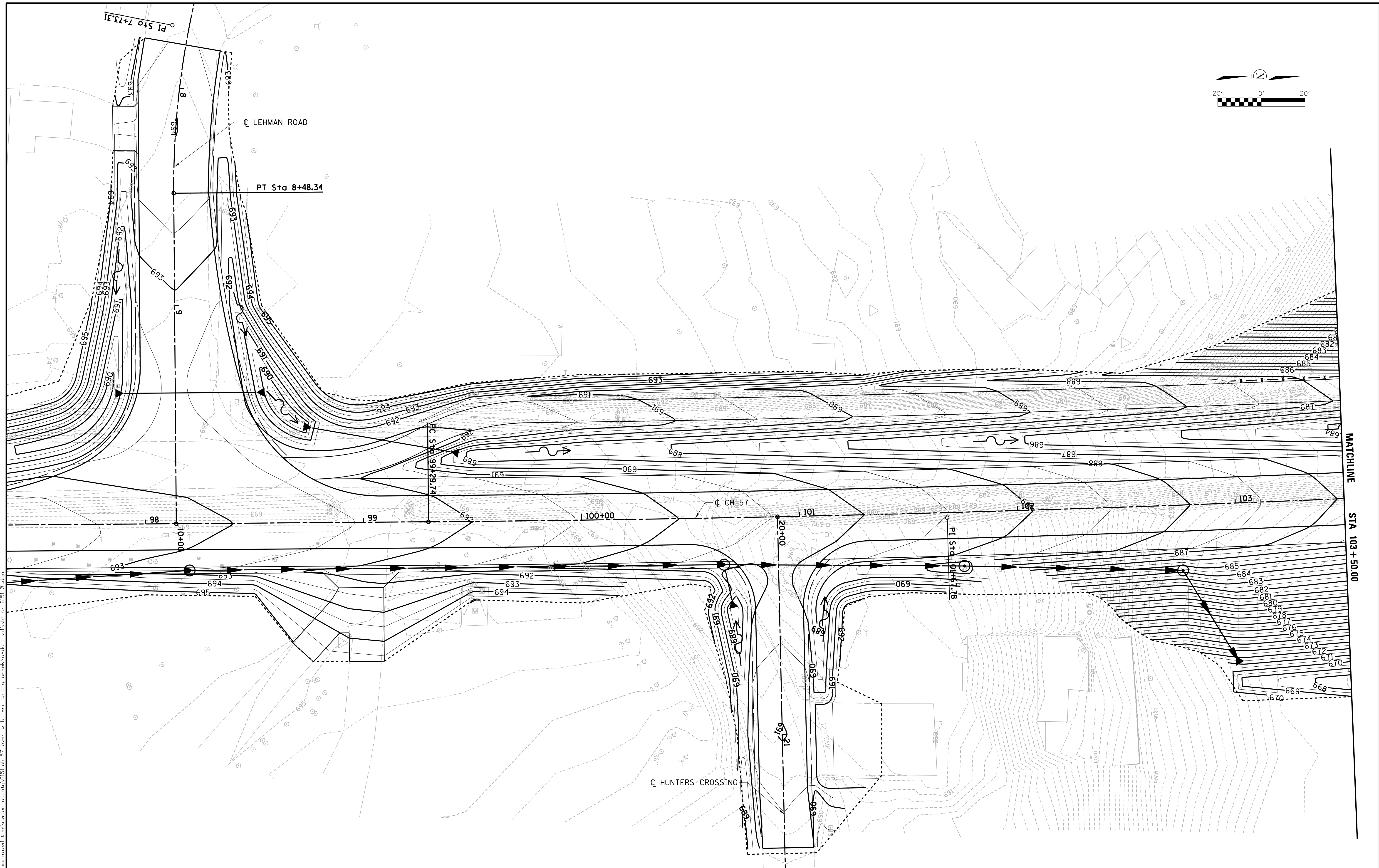
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PLOT DATE =	DATE - 6/2016	REVISED -

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CH 57 OVER TRIBUTARY TO BIG CREEK			
STAGING PLAN - STAGE 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	24
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



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 CONSULTING ENGINEERS

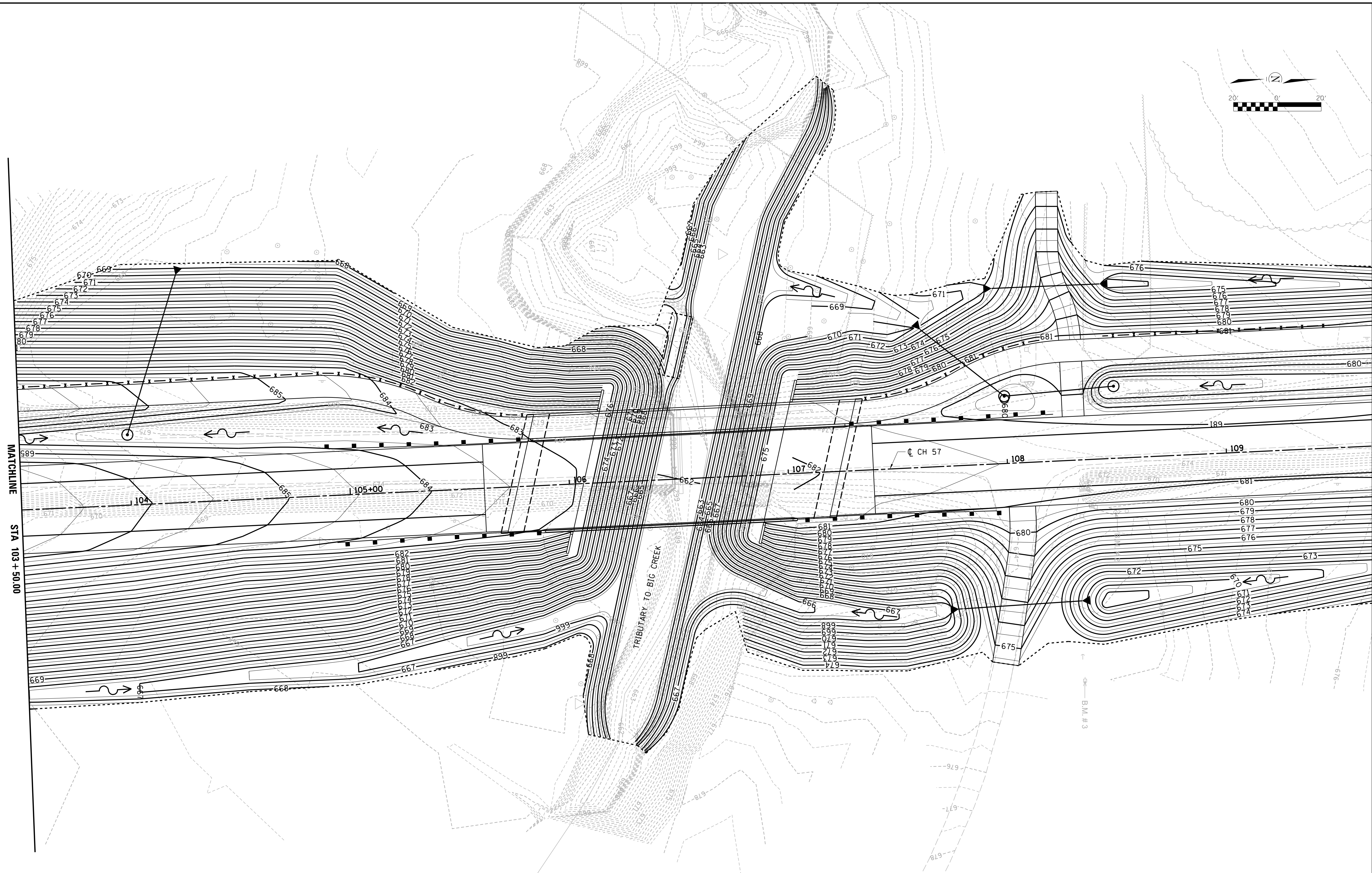
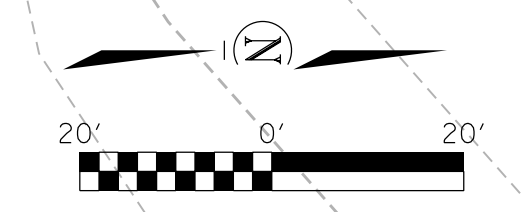
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 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
GRADING PLAN

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	25
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA 103 + 50.00



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MATCHLINE
STA 103 + 50.00

USER NAME =	DESIGNED - ACB	REVISED -
PLOT SCALE =	DRAWN - DLB	REVISED -
PLOT DATE =	CHECKED - ACB	REVISED -
	DATE - 6/2016	REVISED -


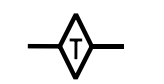
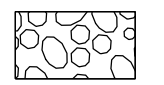
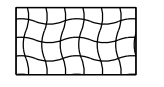


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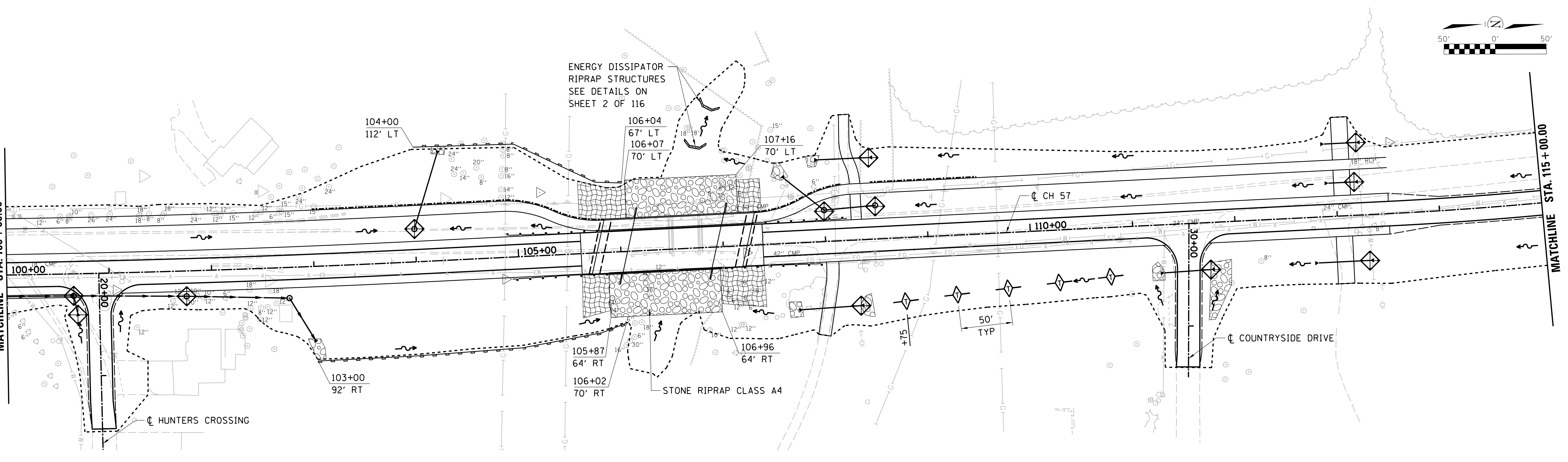
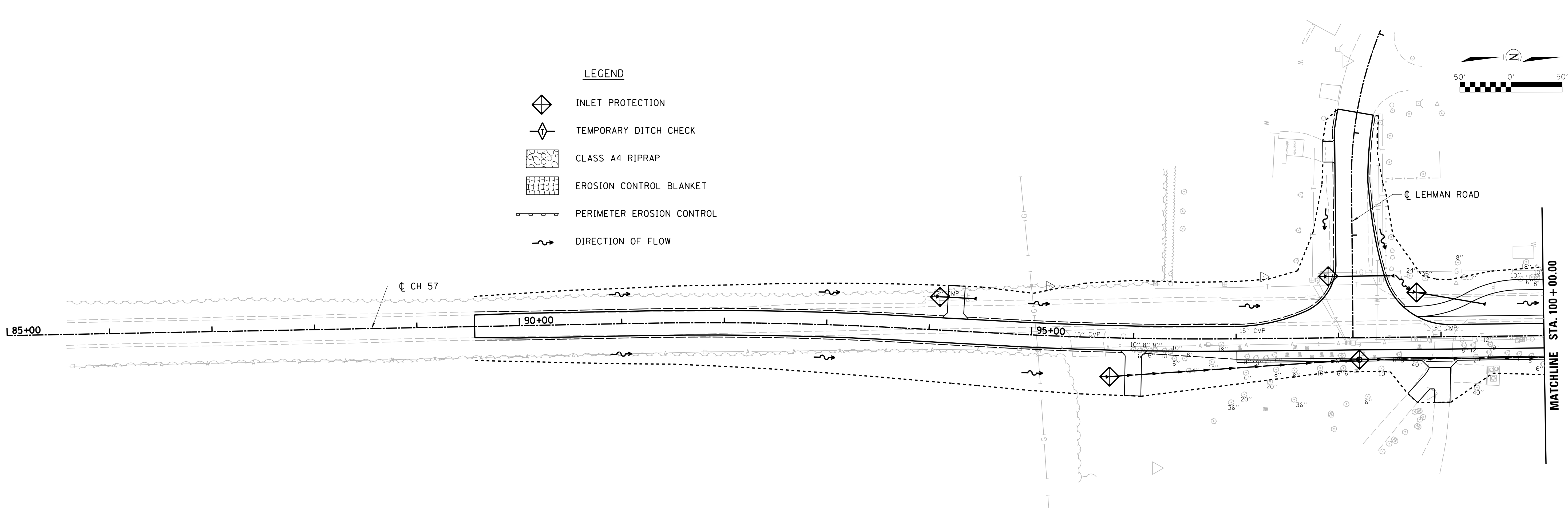
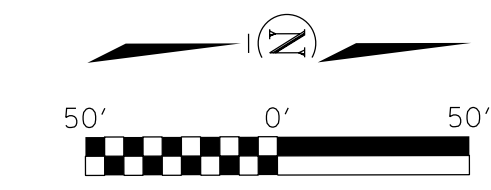
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ROCKFORD (815) 489-0050
184-001397

**CH 57 OVER TRIBUTARY TO BIG CREEK
GRADING PLAN**

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	26
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

- LEGEND**
-  INLET PROTECTION
 -  TEMPORARY DITCH CHECK
 -  CLASS A4 RIPRAP
 -  EROSION CONTROL BLANKET
 -  PERIMETER EROSION CONTROL
 -  DIRECTION OF FLOW



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PLOT SCALE =	DRAWN - DLB	REVISED -
PLOT DATE =	CHECKED - ACB	REVISED -
	DATE - 6/2016	REVISED -

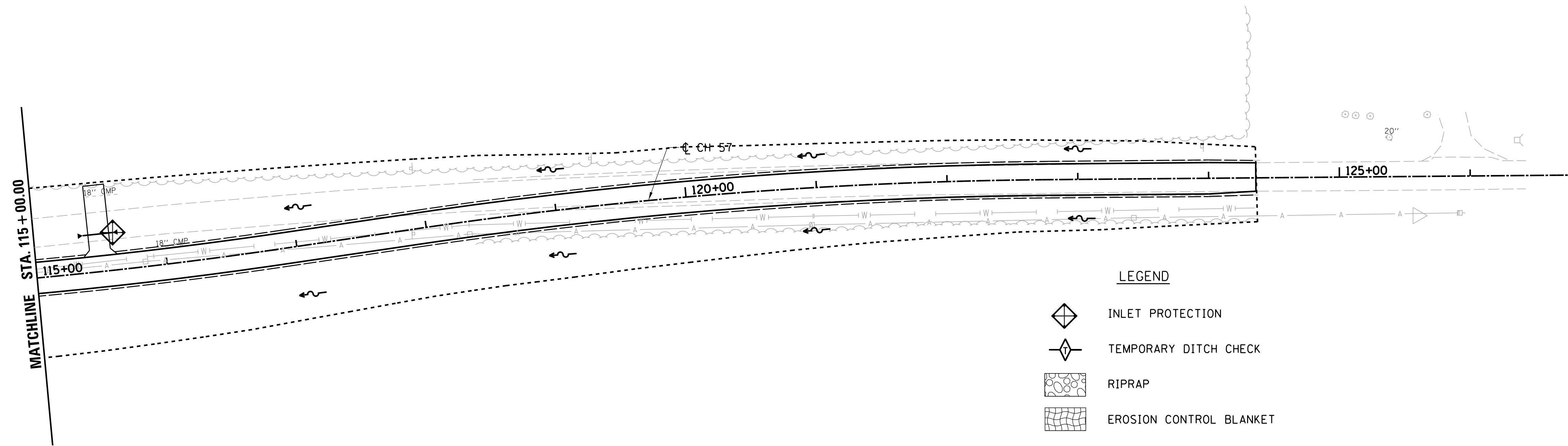
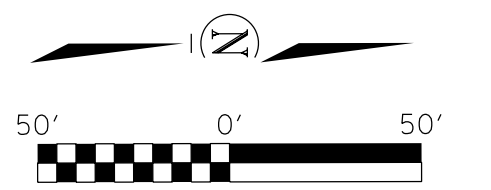
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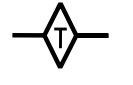


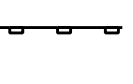

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184-001397

**CH 57 OVER TRIBUTARY TO BIG CREEK
EROSION CONTROL PLAN**

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	27
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  INLET PROTECTION
 -  TEMPORARY DITCH CHECK
 -  RIPRAP
 -  EROSION CONTROL BLANKET
 -  PERIMETER EROSION CONTROL
 -  DIRECTION OF FLOW

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PLOT DATE =	DATE - 6/2016	REVISED -

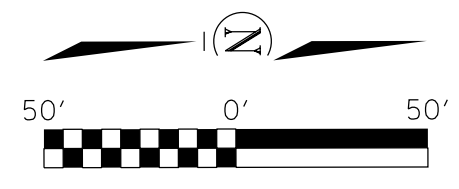
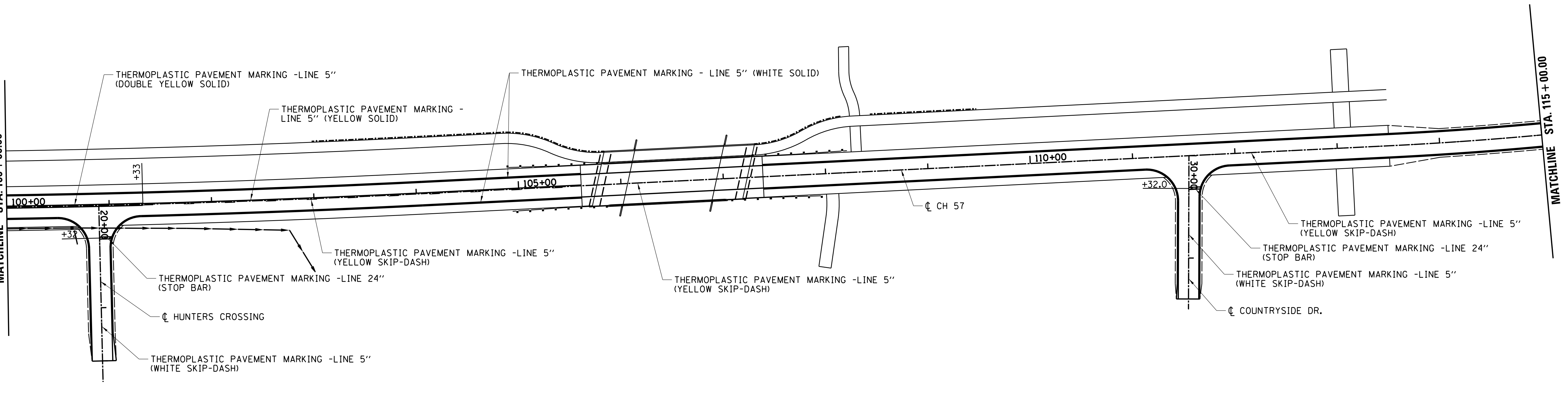
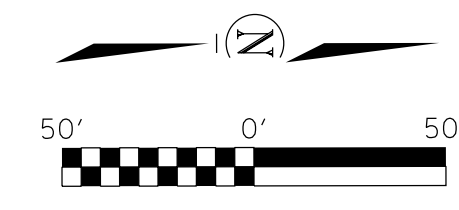
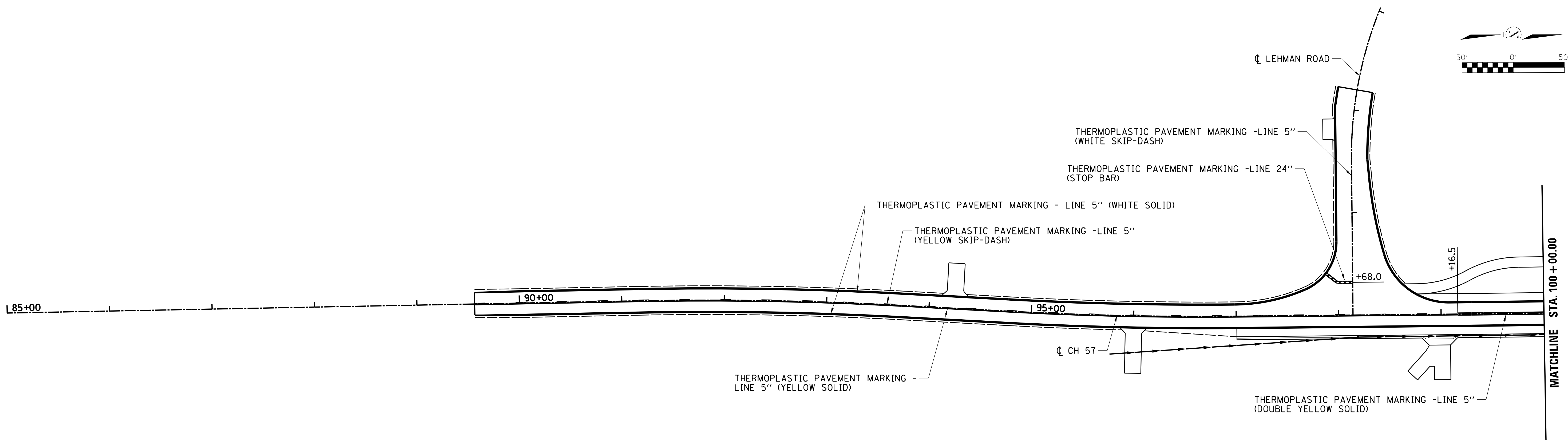
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ROCKFORD (815) 489-0050
184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK EROSION CONTROL PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	28
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

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PLOT DATE =	DATE - 6/2016	REVISED -

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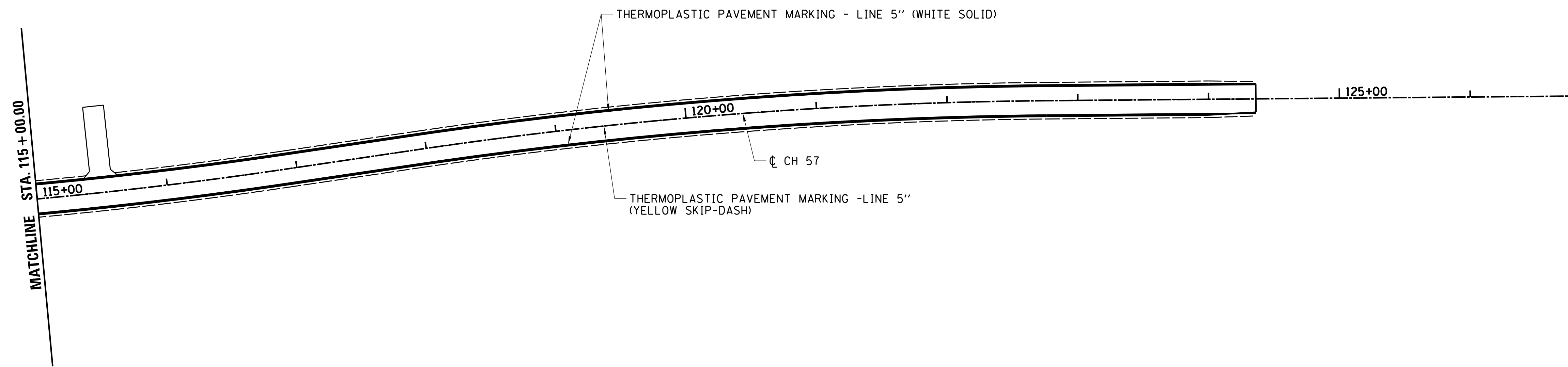
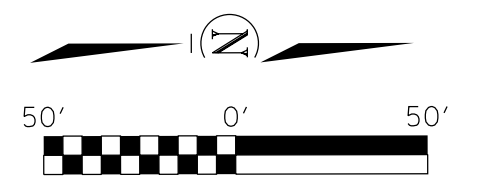
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ROCKFORD (815) 489-0050
184-001397

**CH 57 OVER TRIBUTARY TO BIG CREEK
PAVEMENT MARKING PLAN**

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

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	29
CONTRACT NO. 95798				

ILLINOIS FED. AID PROJECT



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USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - ACB DRAWN - DLB CHECKED - ACB DATE - 6/2016	REVISED - REVISED - REVISED - REVISED -	CHASTAIN & ASSOCIATES LLC <small>CONSULTING ENGINEERS</small>	DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CH 57 OVER TRIBUTARY TO BIG CREEK PAVEMENT MARKING PLAN	F.A.U. 7413	SECTION 12-00249-00-BR	COUNTY MACON	TOTAL SHEETS 117	SHEET NO. 30
SCALE: SHEET NO. OF SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT				

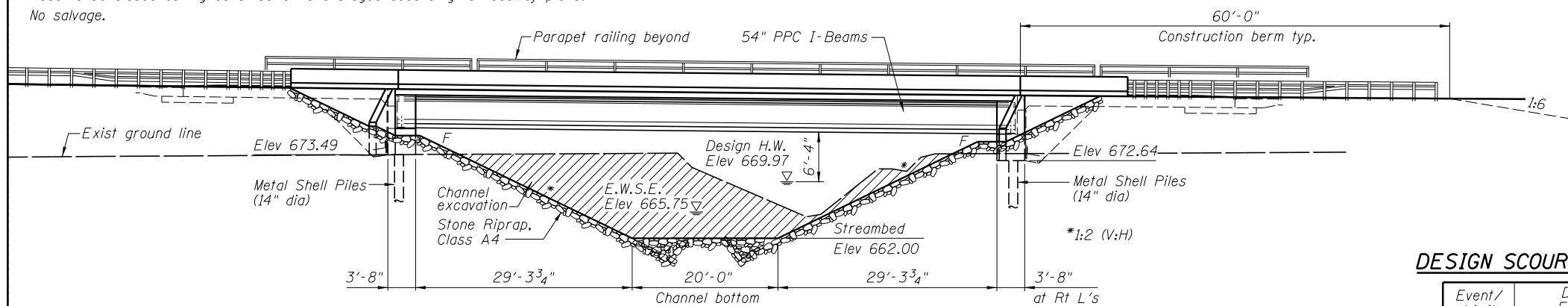
Existing Structure:

The existing bridge is a 33.0 ft. long single span steel beam bridge. This original structure was built in 1932. PPC Deck beams were added along each face of the bridge in 1974 to widen the bridge to 31.1 ft. The abutment caps were supported by timber piling but shoring has been added to help support the steel beams. SN 058-3039

Road to be closed during construction and staged according to roadway plans. No salvage.

Bench Marks:

BM#2: "M" in Mueller on 1st F.H. north of bridge on east side of roadway. Elev. 675.51
 BM#3: RR spike set in south face of power pole east of BM#2. Elev. 674.78



ELEVATION

DESIGN SCOUR ELEVATION TABLE

Event/ Limit State	Design Scour Elevations (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	673.7	672.9	8
Q200	673.7	672.9	
Design	673.7	672.9	
Check	673.7	672.9	

GENERAL NOTES:

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 All Construction joints shall be bonded.
 See Roadway Plans for channel excavation limits and quantities.
 See Roadway Plans for additional riprap limits and quantities.
 Reinforcement bars designated (E) shall be epoxy coated.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 Slipforming of parapets is not allowed.

LOADING HL-93

Allow 50 lb/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications 7th Edition with 2016 Interims

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 f'c = 4,000 psi (Superstructure conc)
 fy = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 f'ci = 5,000 psi
 f's = 270,000 psi (1/2" φ low-relaxation strands)
 f'si = 202,000 psi (1/2" φ low-relaxation strands)

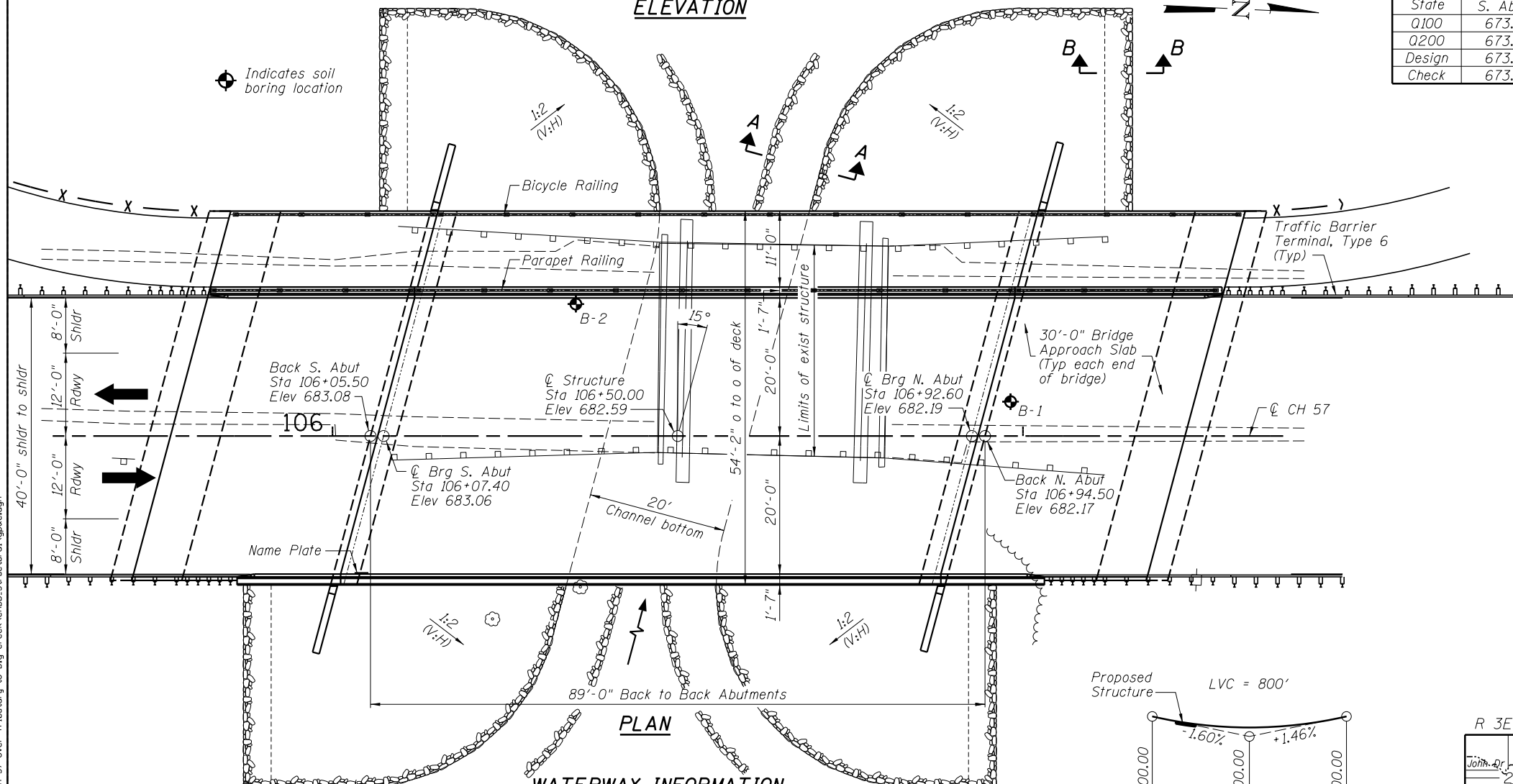
SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Design Spectral Acceleration at 1.0 sec (S₀₁) = 0.157g
 Design Spectral Acceleration at 0.2 sec (S₀₅) = 0.292g
 Soil Site Class = D

LEWIS B. CASNER BRIDGE OVER TRIBUTARY TO BIG CREEK
 BUILT 20 BY
 MACON COUNTY
 SECTION 12-00249-00-BR
 STA 106+50.00
 STR. NO. 058-3403 LOADING HL-93

NAME PLATE

See Std. 515001



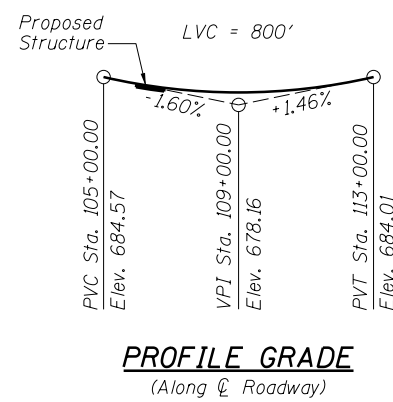
PLAN

WATERWAY INFORMATION

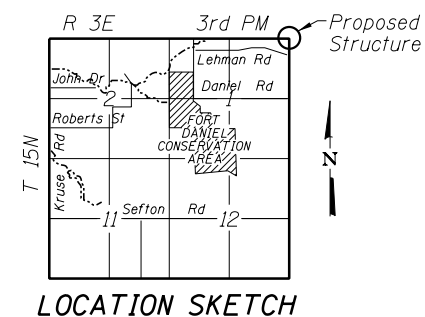
Drainage Area = 5.85 sq. mi. Low Grade Elev. 681.21 @ Sta. 109+18.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	970	251	270	669.38	0.38	0.00	669.76	669.38
Base	30	1415	270	300	669.97	0.77	0.37	670.74	670.34
Max. Calc.	100	1872	287	328	670.49	1.22	0.76	671.71	671.25
	500	2562	308	365	671.14	2.11	1.29	673.25	672.43

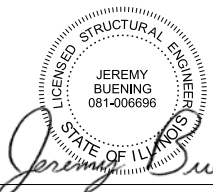
10 Year velocity through existing bridge = 3.72 ft/s 10 Year velocity through proposed bridge = 3.58 ft/s



PROFILE GRADE



LOCATION SKETCH



Jeremy Buening 1/24/2019
 Date
 License Expires 11/30/20

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

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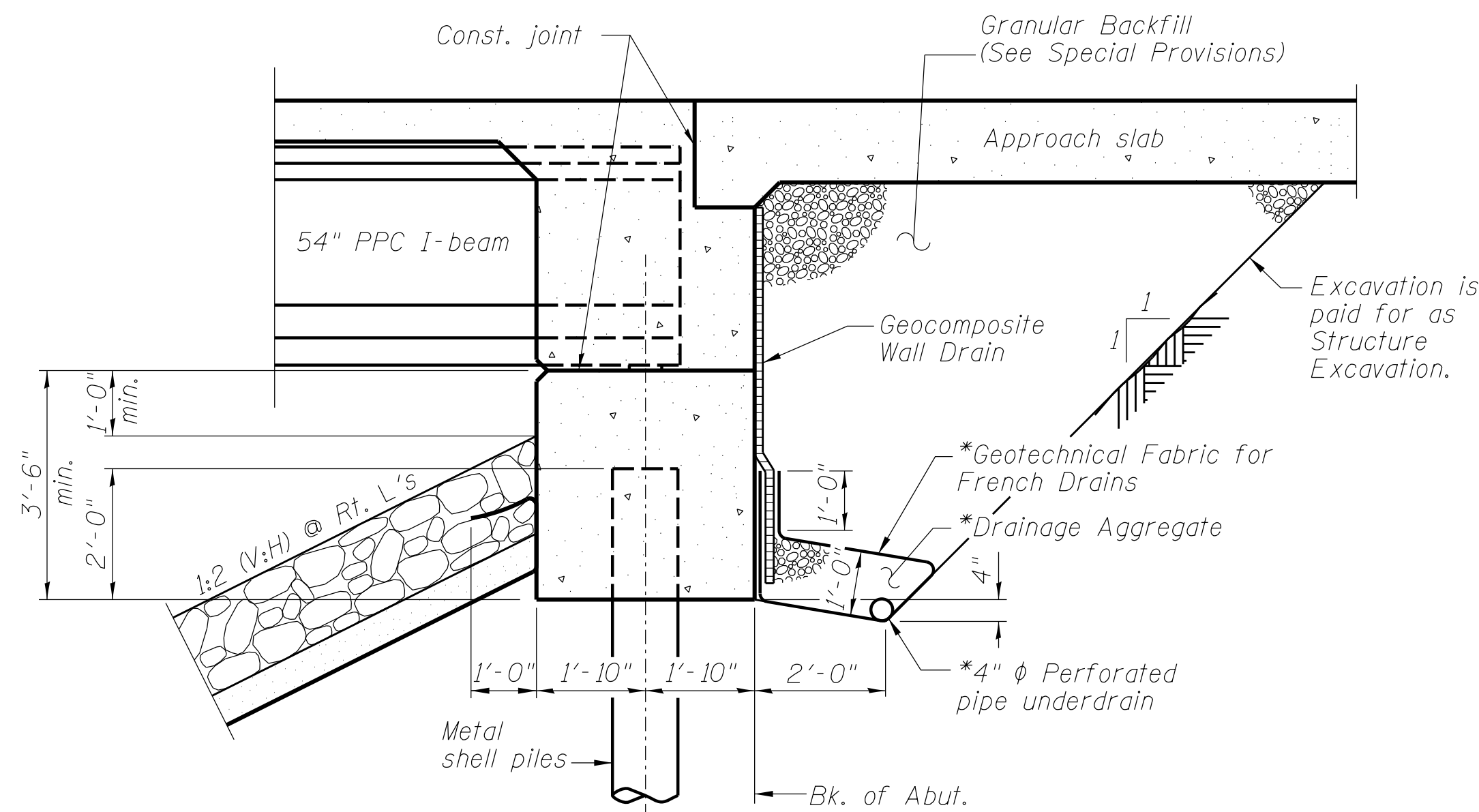
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 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
GENERAL PLAN AND ELEVATION

SCALE: SHEET NO. 1 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	31
STRUCTURE NO. 058-3403			ILLINOIS FED. AID PROJECT	

FILE NAME = I:\municipalities\macon county\6151 ch 57 over tributary to big creek\CADD\Structural\gendata.dgn



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

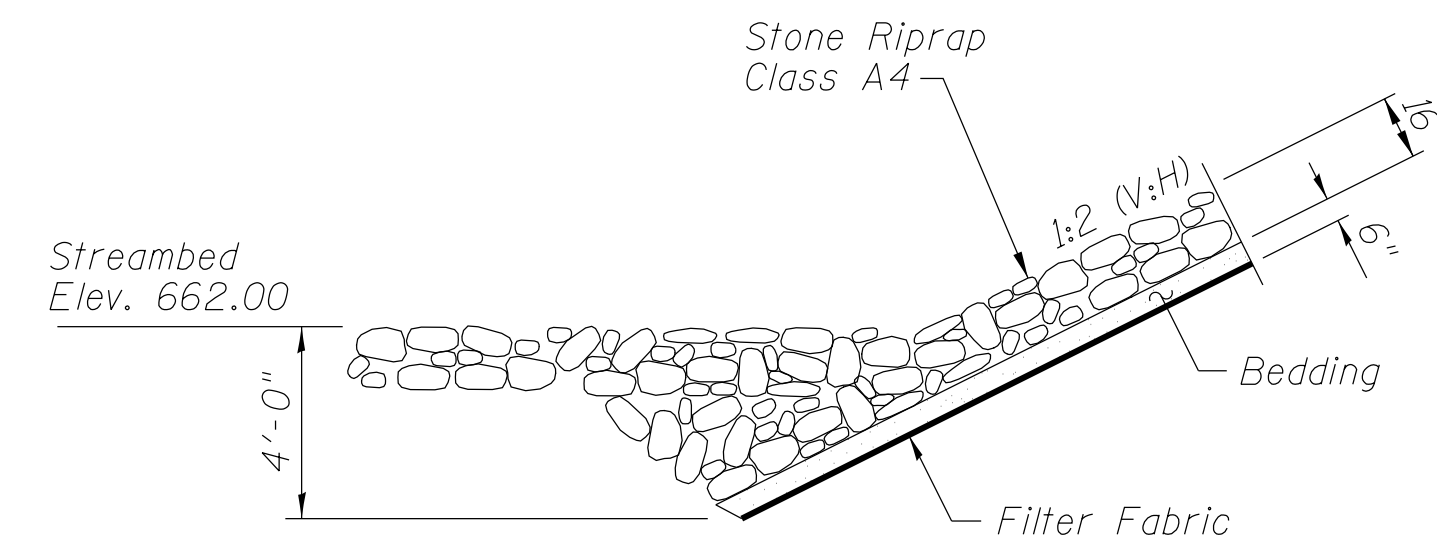
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

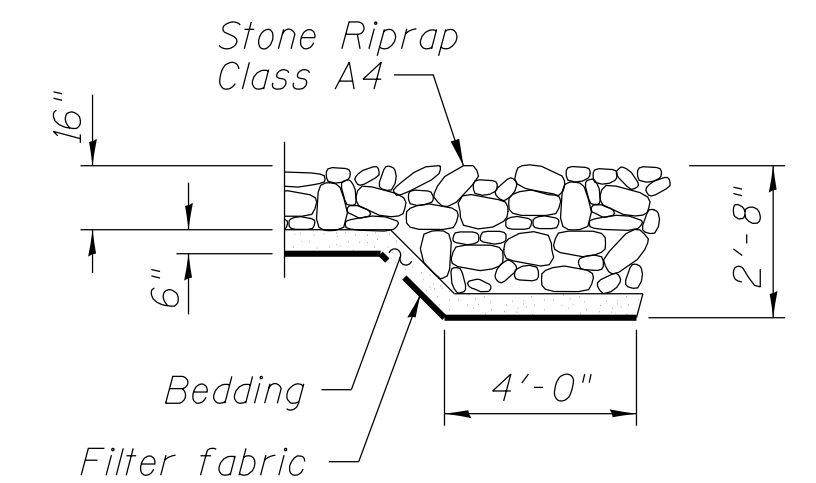
- 1 General Plan and Elevation
- 2 General Structural Data
- 3 Top of Slab Elevations
- 4 Top of Slab Elevations
- 5 Top of South Approach Slab Elevations
- 6 Top of North Approach Slab Elevations
- 7 Superstructure
- 8 Superstructure Details
- 9 Diaphragm Details
- 10 Bridge Approach Slab Details
- 11 Bridge Approach Slab Details
- 12 Bridge Approach Slab Details
- 13 Bicycle Railing
- 14 Framing Plan and Details
- 15 54" PPC I Beam
- 16 54" PPC I Beam Details
- 17 South Abutment Details
- 18 North Abutment Details
- 19 Metal Shell Pile Details
- 20 Soil Boring Logs

TOTAL BILL OF MATERIAL

Pay Item	Unit	Total
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	14
Concrete Structures	Cu. Yd.	103.3
Concrete Superstructure	Cu. Yd.	215.6
Bridge Deck Grooving	Sq. Yd.	621
Protective Coat	Sq. Yd.	947
Concrete Superstructure (Approach Slab)	Cu. Yd.	156.8
Furnishing and Erecting Precast Prestressed Concrete I-Beam, 54 in	Foot	690
Reinforcement Bars, Epoxy Coated	Pound	94,970
Bicycle Railing	Foot	144
Parapet Railing	Foot	144
Furnishing Metal Shell Piles 14" x 0.312"	Foot	446
Driving Piles	Foot	446
Test Pile Metal Shells	Each	1
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	133
Granular Backfill for Structures	Cu. Yd.	312
Pipe Underdrains for Structures 4 in	Foot	176



SECTION A-A



SECTION B-B

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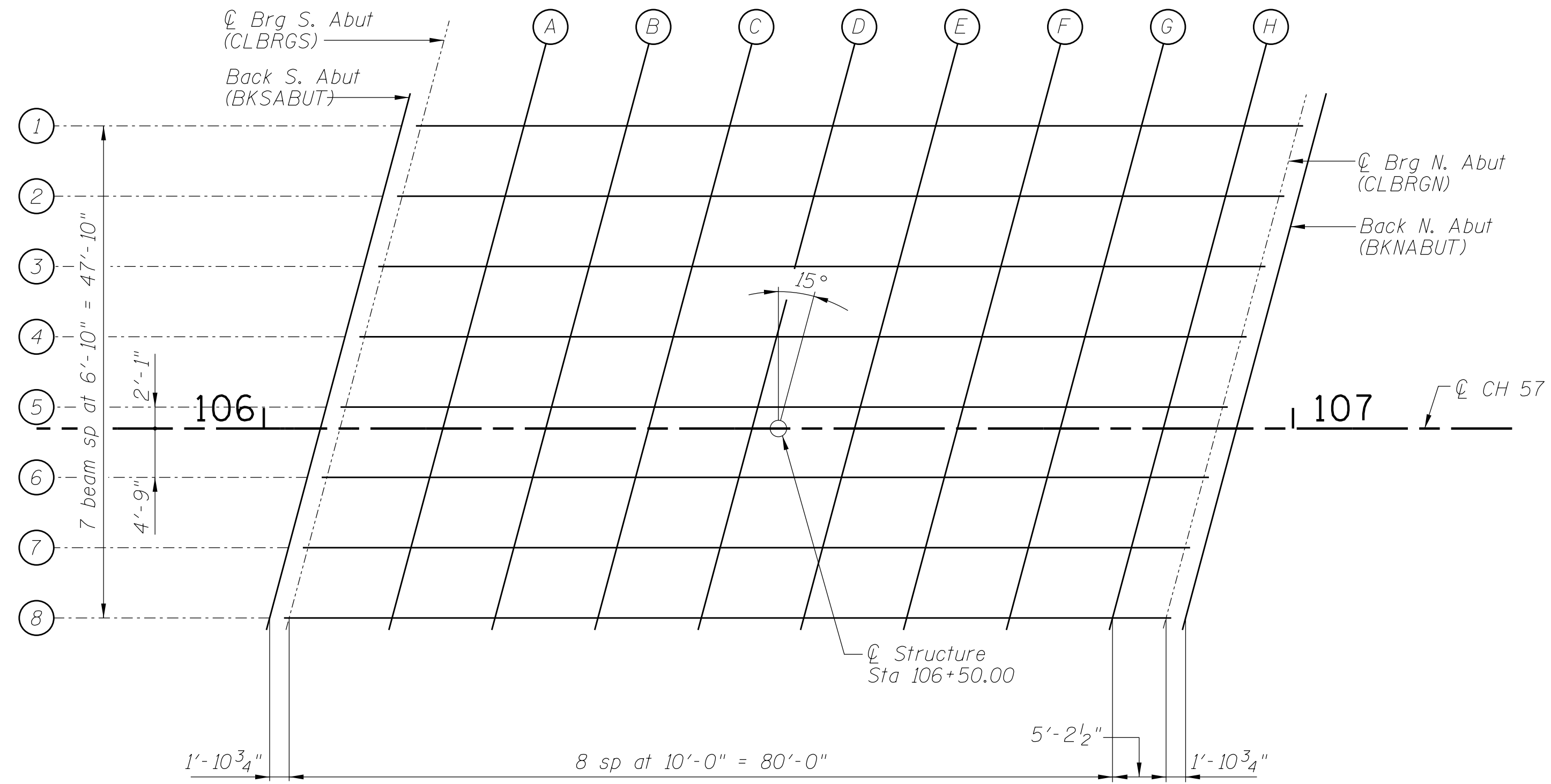
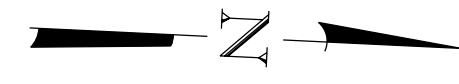
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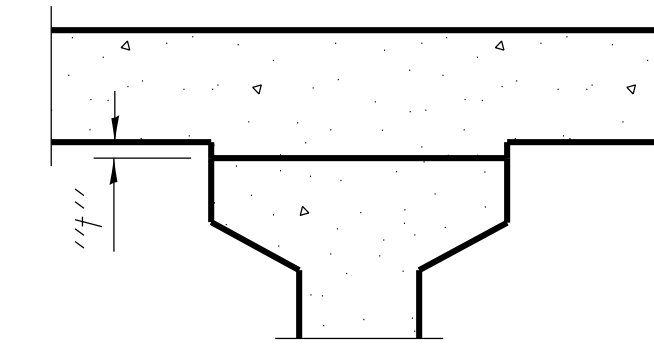
CH 57 OVER TRIBUTARY TO BIG CREEK
GENERAL STRUCTURAL DATA

SCALE: SHEET NO. 2 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	32
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				

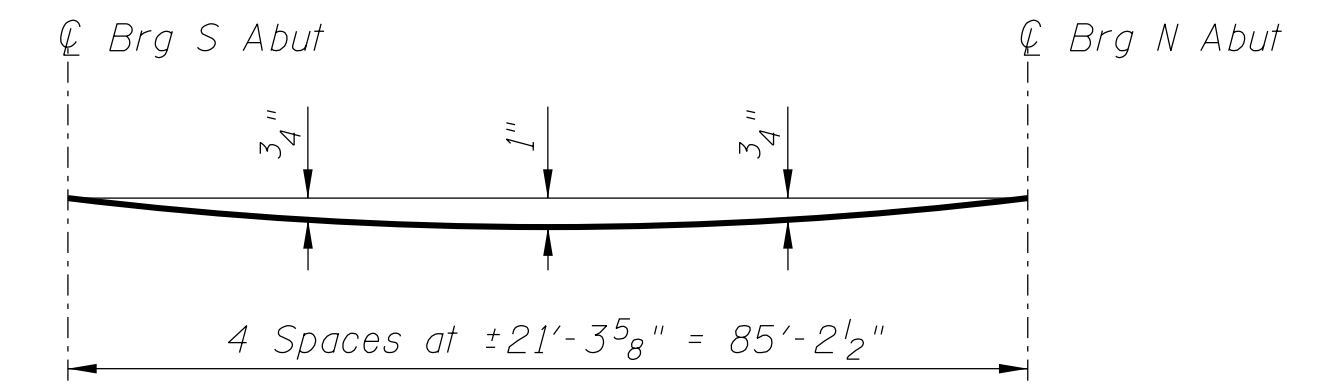


DECK ELEVATION LAYOUT



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown to the left. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheets 3 & 4 of 20, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete slab and parapet only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the tables on sheets 3 & 4 of 20.

BEAM 1				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+13.38	-29.42	682.49	682.49
CLBRGS	106+15.28	-29.42	682.47	682.47
A	106+25.28	-29.42	682.35	682.38
B	106+35.28	-29.42	682.24	682.30
C	106+45.28	-29.42	682.14	682.21
D	106+55.28	-29.42	682.04	682.12
E	106+65.28	-29.42	681.94	682.02
F	106+75.28	-29.42	681.84	681.91
G	106+85.28	-29.42	681.75	681.79
H	106+95.28	-29.42	681.66	681.68
CLBRGN	107+00.48	-29.42	681.62	681.62
BKNABUT	107+02.38	-29.42	681.60	681.60

BEAM 2				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+11.55	-22.58	682.62	682.62
CLBRGS	106+13.45	-22.58	682.60	682.60
A	106+23.45	-22.58	682.48	682.51
B	106+33.45	-22.58	682.37	682.43
C	106+43.45	-22.58	682.26	682.34
D	106+53.45	-22.58	682.16	682.24
E	106+63.45	-22.58	682.06	682.14
F	106+73.45	-22.58	681.97	682.03
G	106+83.45	-22.58	681.87	681.92
H	106+93.45	-22.58	681.79	681.80
CLBRGN	106+98.65	-22.58	681.74	681.74
BKNABUT	107+00.55	-22.58	681.73	681.73

BEAM 3				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+09.72	-15.75	682.77	682.77
CLBRGS	106+11.62	-15.75	682.75	682.75
A	106+21.62	-15.75	682.63	682.66
B	106+31.62	-15.75	682.52	682.57
C	106+41.62	-15.75	682.41	682.48
D	106+51.62	-15.75	682.31	682.39
E	106+61.62	-15.75	682.21	682.29
F	106+71.62	-15.75	682.11	682.18
G	106+81.62	-15.75	682.02	682.06
H	106+91.62	-15.75	681.93	681.95
CLBRGN	106+96.82	-15.75	681.89	681.89
BKNABUT	106+98.72	-15.75	681.87	681.87

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CH 57 OVER TRIBUTARY TO BIG CREEK		
TOP OF SLAB ELEVATIONS		
SCALE:	SHEET NO. 3 OF 20 SHEETS	STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	33
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				

BEAM 4				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+07.89	-8.92	682.92	682.92
CLBRGS	106+09.79	-8.92	682.89	682.89
A	106+19.79	-8.92	682.78	682.81
B	106+29.79	-8.92	682.67	682.72
C	106+39.79	-8.92	682.56	682.63
D	106+49.79	-8.92	682.45	682.53
E	106+59.79	-8.92	682.35	682.43
F	106+69.79	-8.92	682.26	682.32
G	106+79.79	-8.92	682.16	682.21
H	106+89.79	-8.92	682.07	682.09
CLBRGN	106+94.99	-8.92	682.03	682.03
BKNABUT	106+96.89	-8.92	682.01	682.01

BEAM 5				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+06.06	-2.08	683.05	683.05
CLBRGS	106+07.96	-2.08	683.02	683.02
A	106+17.96	-2.08	682.91	682.94
B	106+27.96	-2.08	682.79	682.85
C	106+37.96	-2.08	682.68	682.76
D	106+47.96	-2.08	682.58	682.66
E	106+57.96	-2.08	682.48	682.56
F	106+67.96	-2.08	682.38	682.45
G	106+77.96	-2.08	682.29	682.33
H	106+87.96	-2.08	682.20	682.21
CLBRGN	106+93.16	-2.08	682.15	682.15
BKNABUT	106+95.06	-2.08	682.13	682.13

PGL				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+05.50	0.00	683.08	683.08
CLBRGS	106+07.40	0.00	683.06	683.06
A	106+17.40	0.00	682.95	682.97
B	106+27.40	0.00	682.83	682.89
C	106+37.40	0.00	682.72	682.80
D	106+47.40	0.00	682.62	682.70
E	106+57.40	0.00	682.52	682.59
F	106+67.40	0.00	682.42	682.48
G	106+77.40	0.00	682.32	682.37
H	106+87.40	0.00	682.23	682.25
CLBRGN	106+92.60	0.00	682.19	682.19
BKNABUT	106+94.50	0.00	682.17	682.17

BEAM 6				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+04.23	4.75	683.03	683.03
CLBRGS	106+06.13	4.75	683.00	683.00
A	106+16.13	4.75	682.89	682.92
B	106+26.13	4.75	682.77	682.83
C	106+36.13	4.75	682.66	682.73
D	106+46.13	4.75	682.56	682.64
E	106+56.13	4.75	682.45	682.53
F	106+66.13	4.75	682.36	682.42
G	106+76.13	4.75	682.26	682.30
H	106+86.13	4.75	682.17	682.19
CLBRGN	106+91.33	4.75	682.12	682.12
BKNABUT	106+93.23	4.75	682.11	682.11

BEAM 7				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+02.40	11.58	682.94	682.94
CLBRGS	106+04.30	11.58	682.92	682.92
A	106+14.30	11.58	682.80	682.83
B	106+24.30	11.58	682.69	682.74
C	106+34.30	11.58	682.58	682.65
D	106+44.30	11.58	682.47	682.55
E	106+54.30	11.58	682.37	682.44
F	106+64.30	11.58	682.27	682.33
G	106+74.30	11.58	682.17	682.21
H	106+84.30	11.58	682.08	682.10
CLBRGN	106+89.50	11.58	682.03	682.03
BKNABUT	106+91.40	11.58	682.02	682.02

BEAM 8				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	106+00.57	18.42	682.82	682.82
CLBRGS	106+02.47	18.42	682.80	682.80
A	106+12.47	18.42	682.68	682.71
B	106+22.47	18.42	682.57	682.62
C	106+32.47	18.42	682.45	682.53
D	106+42.47	18.42	682.35	682.43
E	106+52.47	18.42	682.24	682.32
F	106+62.47	18.42	682.14	682.21
G	106+72.47	18.42	682.05	682.09
H	106+82.47	18.42	681.96	681.97
CLBRGN	106+87.67	18.42	681.91	681.91
BKNABUT	106+89.57	18.42	681.89	681.89

FILE NAME = I:\municipalities\macon county\6151_ch 57 over tributary to big creek\CADD\Structural\deckelev.dgn

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PLOT SCALE = 1/8" = 1' / in.	CHECKED ACB
PLOT DATE = 1/22/2019	DATE 1/14/15

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**CH 57 OVER TRIBUTARY TO BIG CREEK
 TOP OF SLAB ELEVATIONS**

SCALE: SHEET NO. 4 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	34
ILLINOIS FED. AID PROJECT				

STRUCTURE NO. 058-3403

WEST EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+85.27	-32.58	682.78
A	105+95.27	-32.58	682.66
B	106+05.27	-32.58	682.54
N. End of S. Appr.	106+15.27	-32.58	682.42

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+81.86	-20.00	683.02
A	105+91.86	-20.00	682.90
B	106+01.86	-20.00	682.77
N. End of S. Appr.	106+11.86	-20.00	682.66

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+79.72	-12.00	683.22
A	105+89.72	-12.00	683.09
B	105+99.72	-12.00	682.97
N. End of S. Appr.	106+09.72	-12.00	682.85

PGL & C CH 57

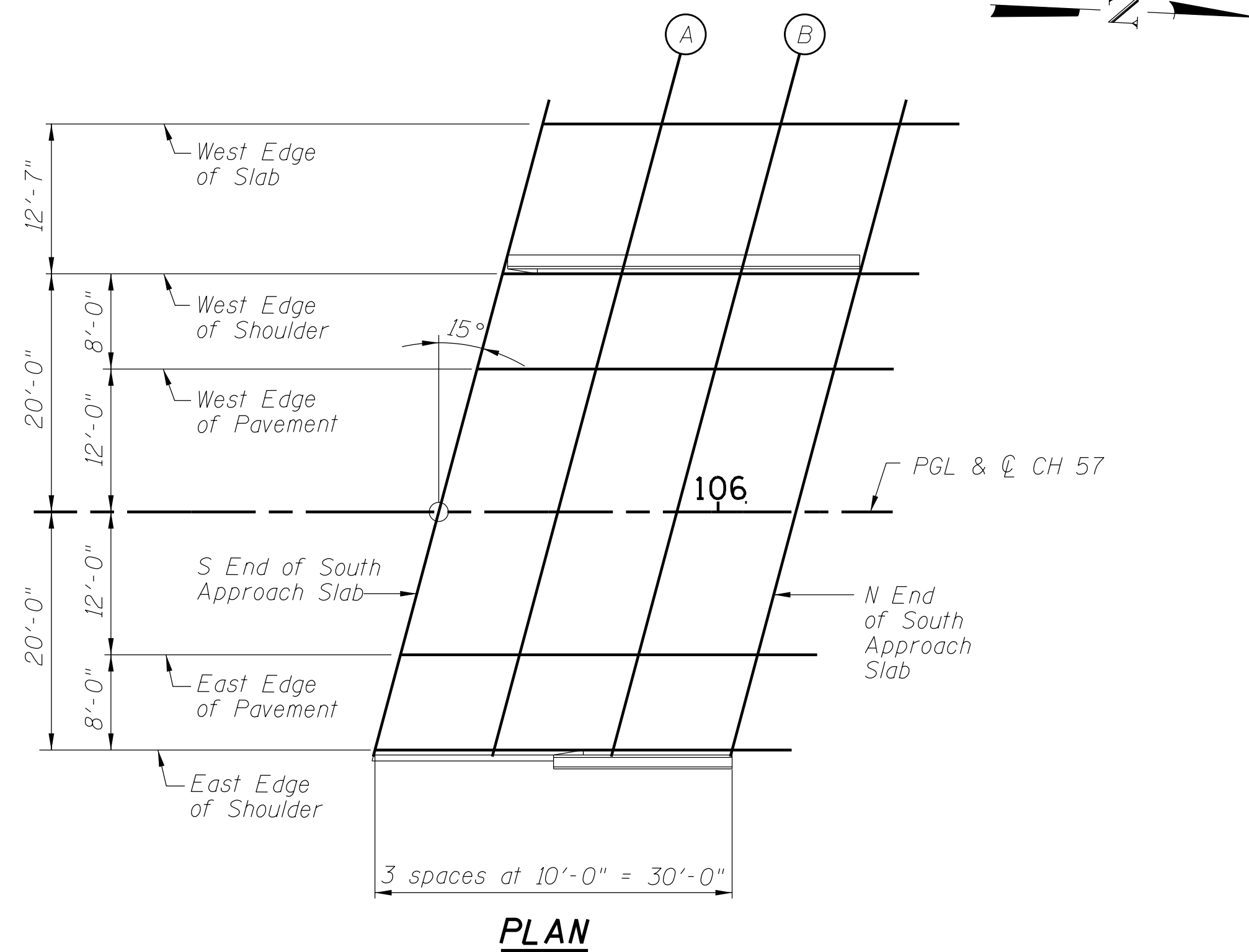
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+76.54	0.00	683.45
A	105+86.54	0.00	683.32
B	105+96.54	0.00	683.19
N. End of S. Appr.	106+06.54	0.00	683.07

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+73.32	12.00	683.30
A	105+83.32	12.00	683.17
B	105+93.32	12.00	683.05
N. End of S. Appr.	106+03.32	12.00	682.92

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	105+71.18	20.00	683.16
A	105+81.18	20.00	683.03
B	105+91.18	20.00	682.91
N. End of S. Appr.	106+01.18	20.00	682.78



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PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -



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CH 57 OVER TRIBUTARY TO BIG CREEK	
TOP OF SOUTH APPROACH SLAB ELEVATIONS	
SCALE:	TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	35
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	107+02.20	-32.58	681.56
A	107+12.20	-32.58	681.67
B	107+22.20	-32.58	681.59
N. End of N. Appr.	107+32.20	-32.58	681.52

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	106+98.82	-20.00	681.78
A	107+08.82	-20.00	681.70
B	107+18.82	-20.00	681.62
N. End of N. Appr.	107+28.82	-20.00	681.55

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	106+96.68	-12.00	681.97
A	107+06.68	-12.00	681.88
B	107+16.68	-12.00	681.80
N. End of N. Appr.	107+26.68	-12.00	681.73

PGL & C CH 57

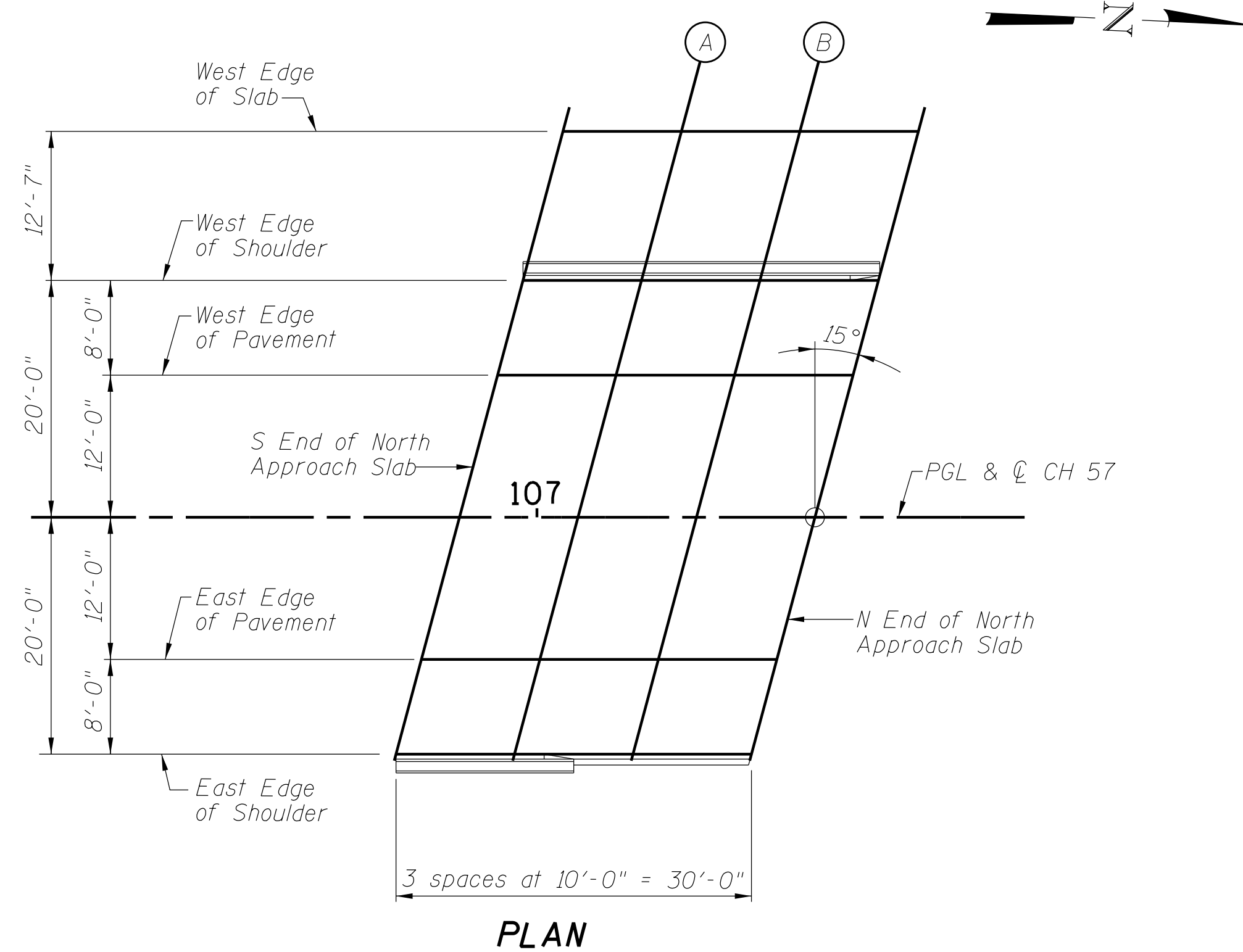
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	106+93.46	0.00	682.18
A	107+03.46	0.00	682.10
B	107+13.46	0.00	682.02
N. End of N. Appr.	107+23.46	0.00	681.94

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	106+90.25	12.00	682.02
A	107+00.25	12.00	681.94
B	107+10.25	12.00	681.85
N. End of N. Appr.	107+20.25	12.00	681.78

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	106+88.11	20.00	681.87
A	106+98.11	20.00	681.79
B	107+08.11	20.00	681.70
N. End of N. Appr.	107+18.11	20.00	681.63



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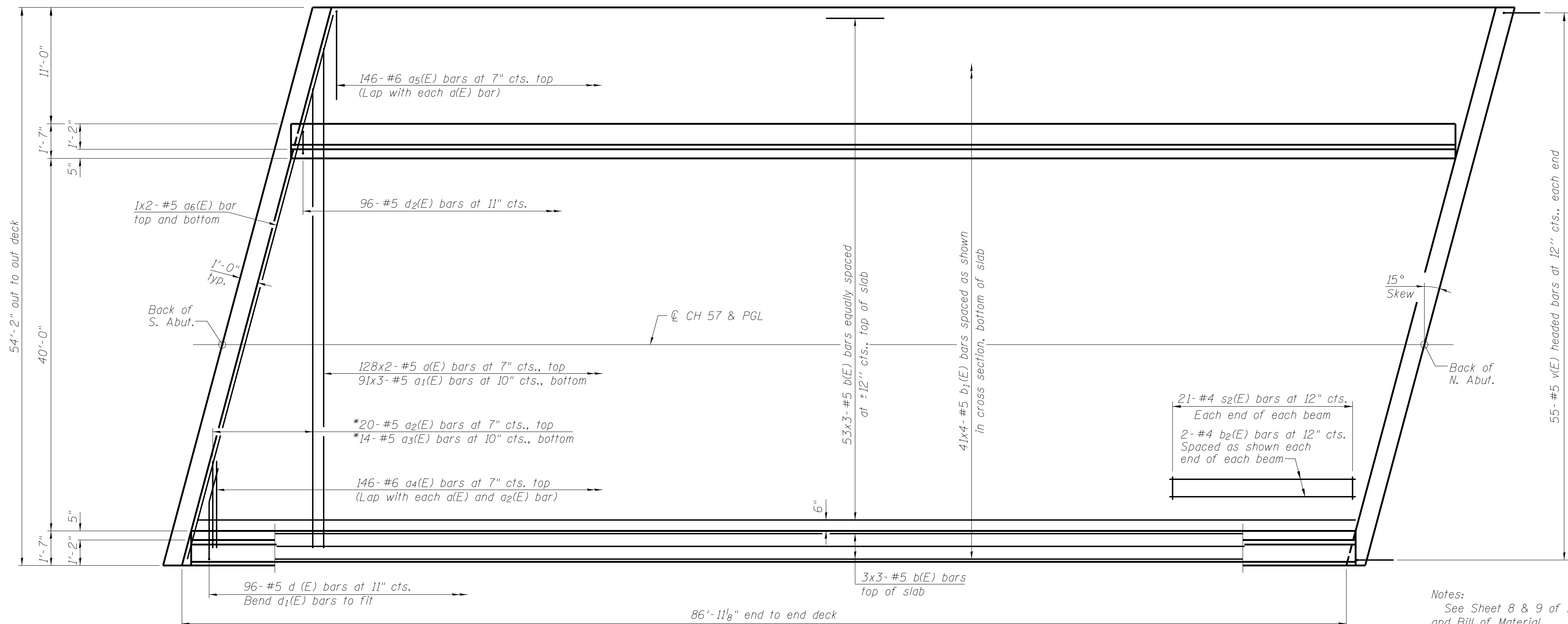
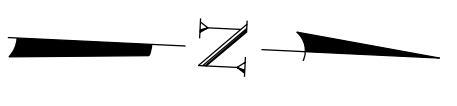
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CH 57 OVER TRIBUTARY TO BIG CREEK	
TOP OF NORTH APPROACH SLAB ELEVATIONS	
SCALE:	SHEET NO. 6 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	36
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				

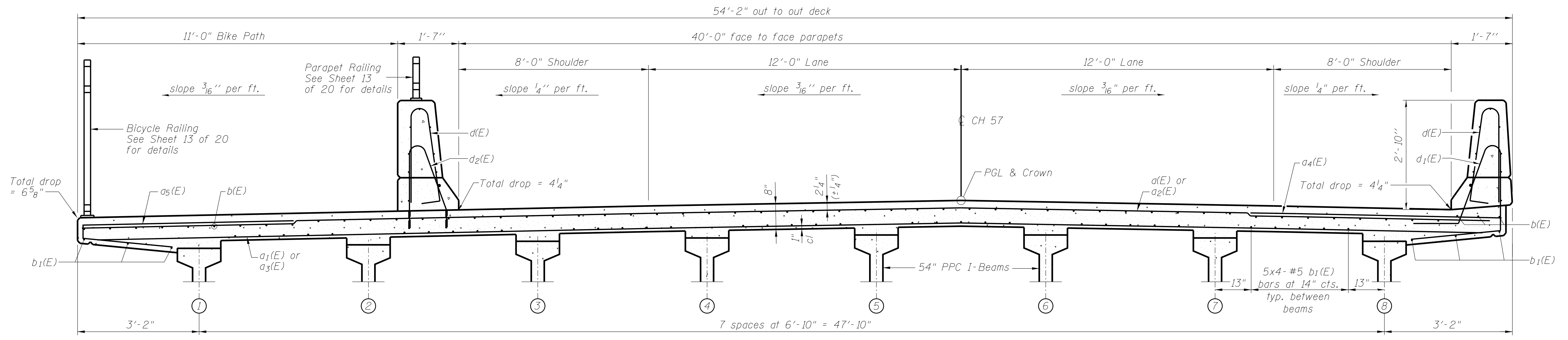


MIN BAR LAP
#5 bar = 3'-6"

Notes:
See Sheet 8 & 9 of 20 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 8 of 20 for parapet reinforcement.

* Order a2(E) and a3(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.

PLAN



CROSS SECTION
(Looking North)

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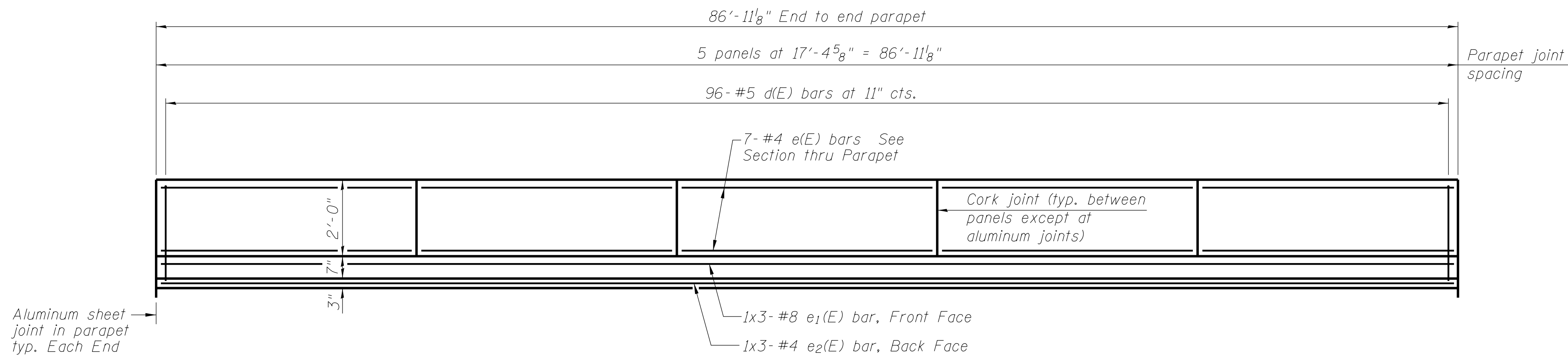
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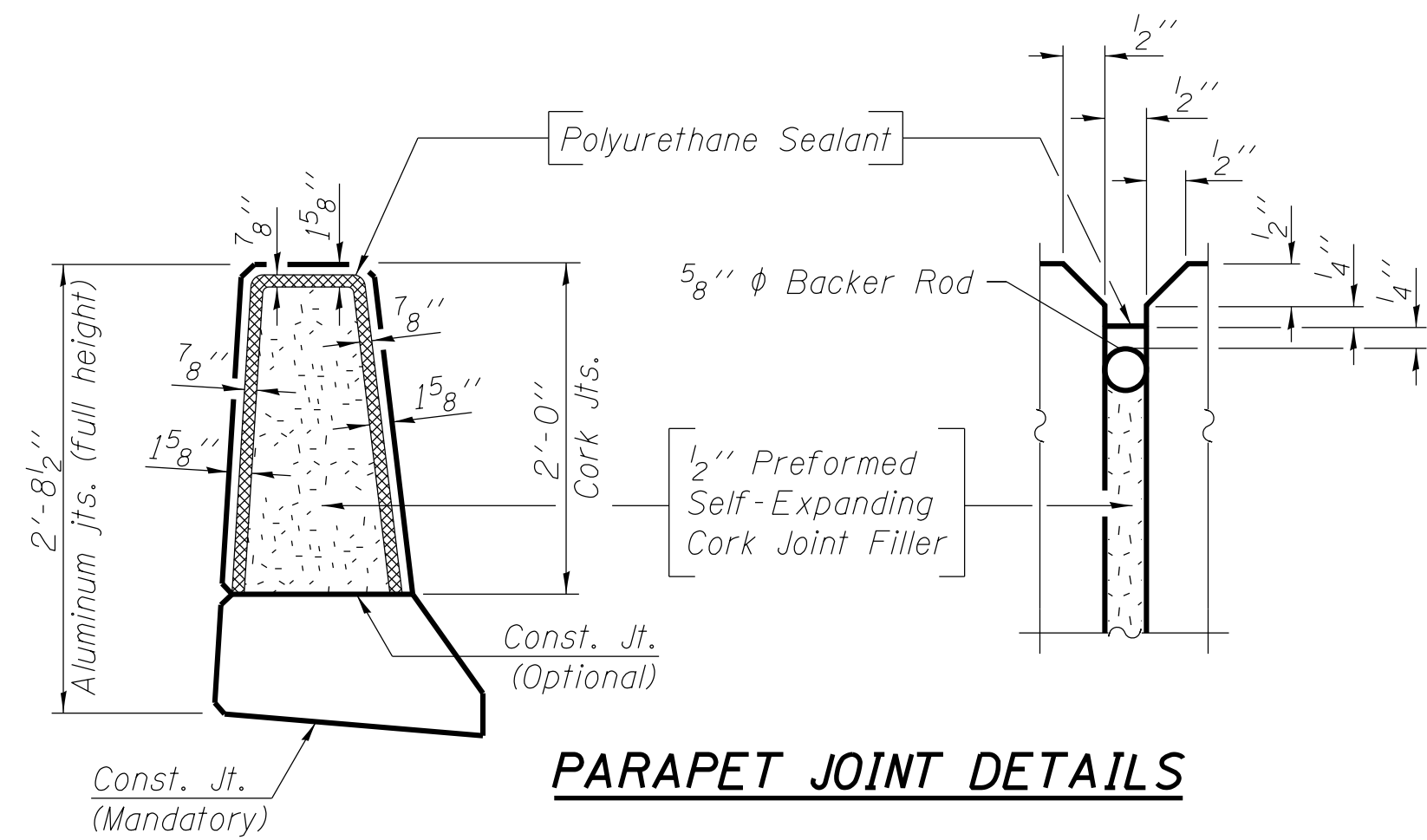
**CH 57 OVER TRIBUTARY TO BIG CREEK
SUPERSTRUCTURE**

SCALE: SHEET NO. 7 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	37
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				



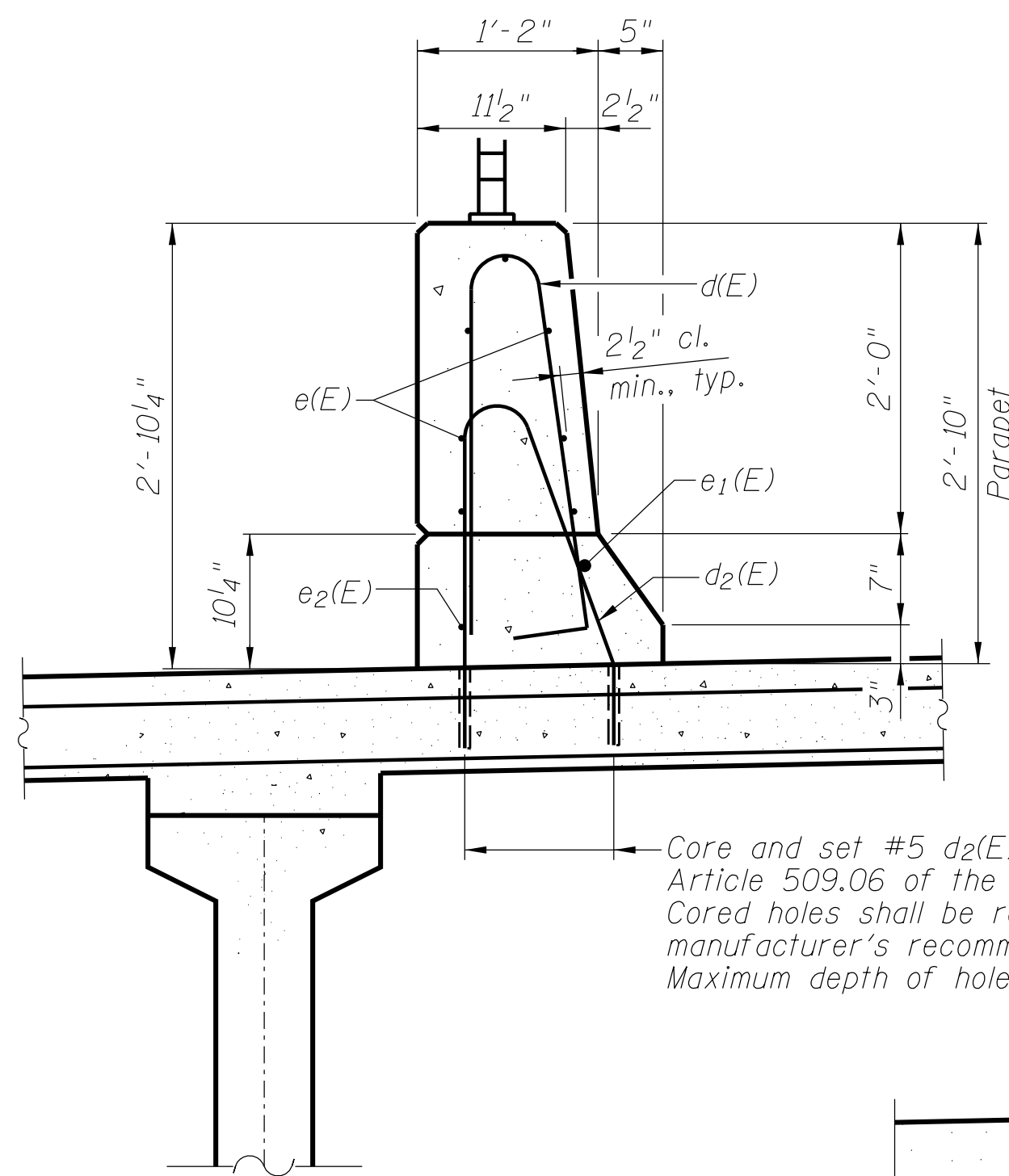
INSIDE ELEVATION OF PARAPET



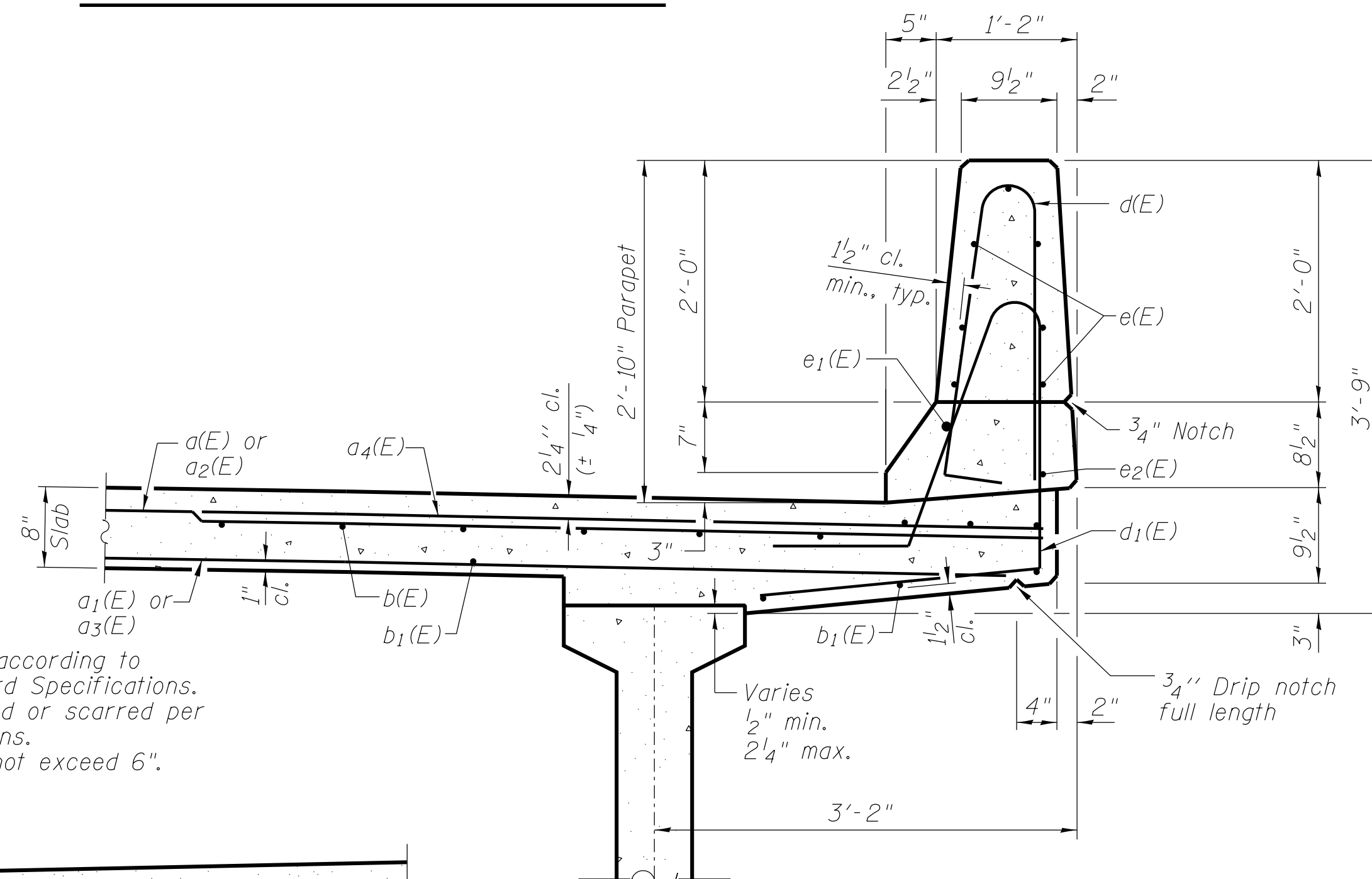
PARAPET JOINT DETAILS

Notes:

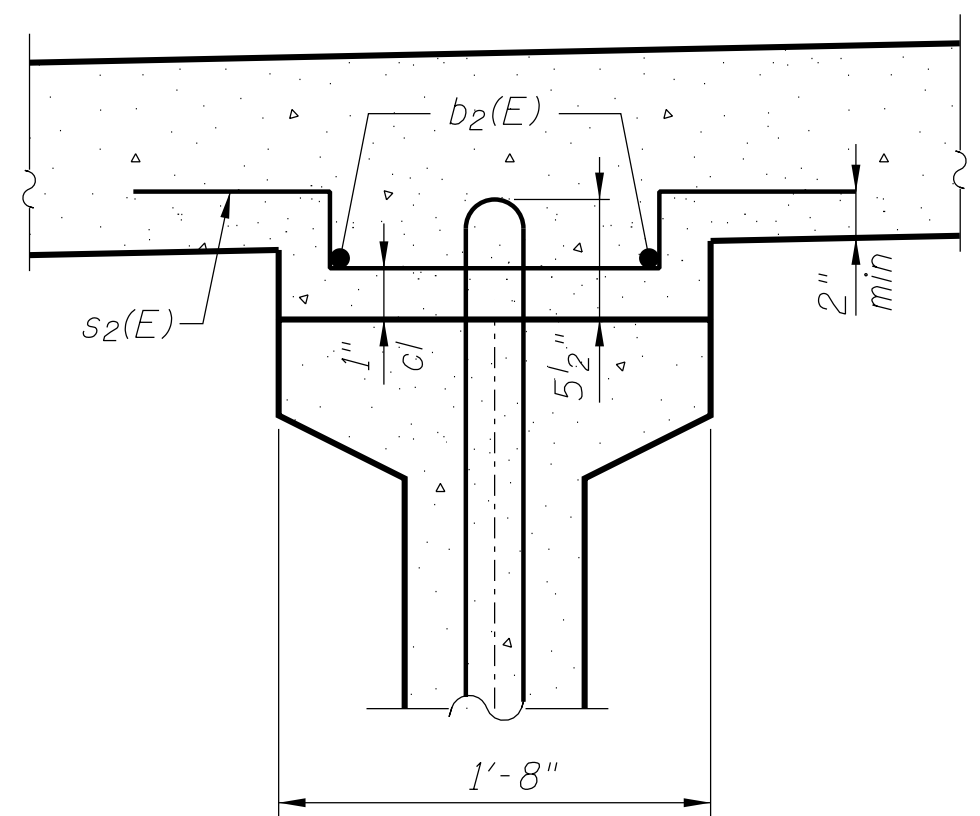
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



SECTION THRU WEST PARAPET



SECTION THRU EAST PARAPET

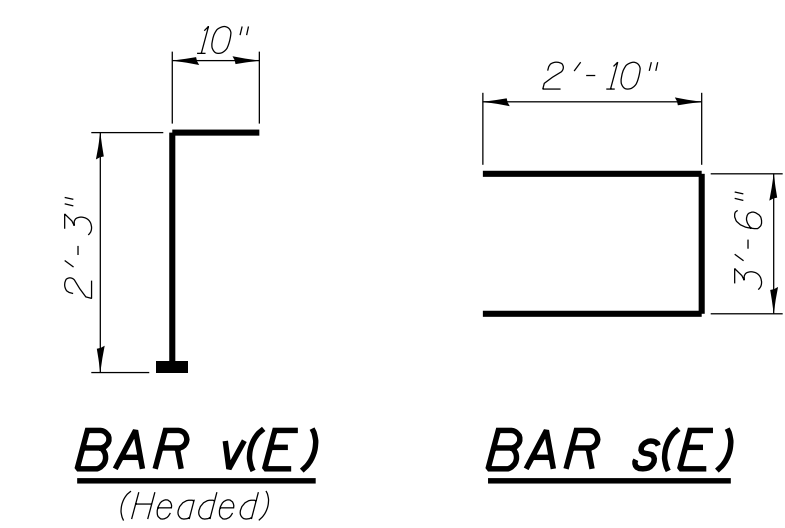


I-BEAM FILLET REINFORCEMENT

MINIMUM BAR LAP

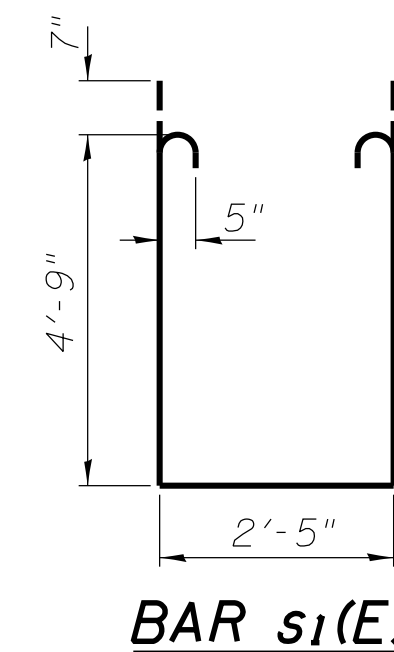
(Parapet)
 #4 bar = 2'-0"
 #8 bar = 5'-2"

Reinforce 20'-0" from each end of beam with #4 s2(E) bars at 12" cts. and 2-#4 b2(E) bars as shown above. (Typ at all beams)

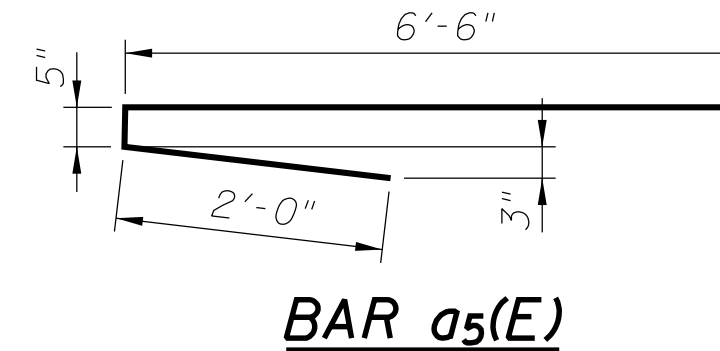


BAR v(E)
(Headed)

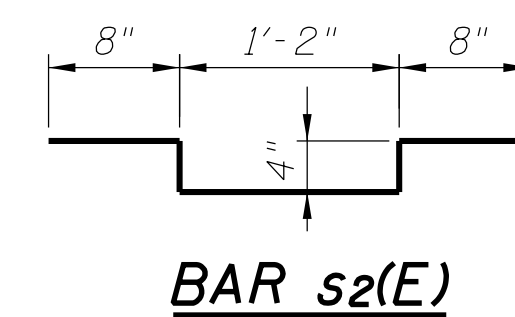
BAR s(E)



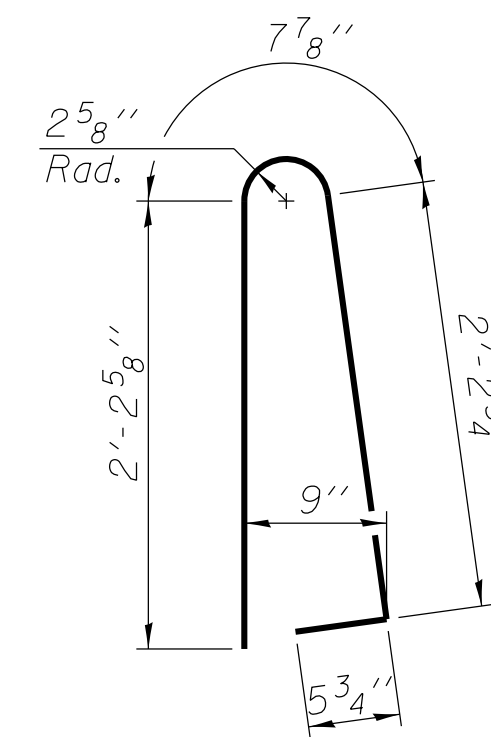
BAR s1(E)



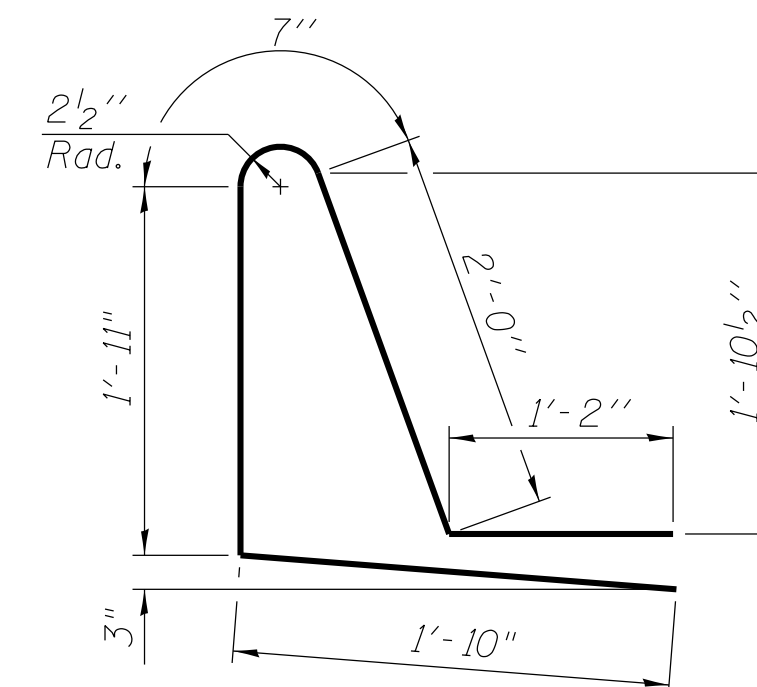
BAR a5(E)



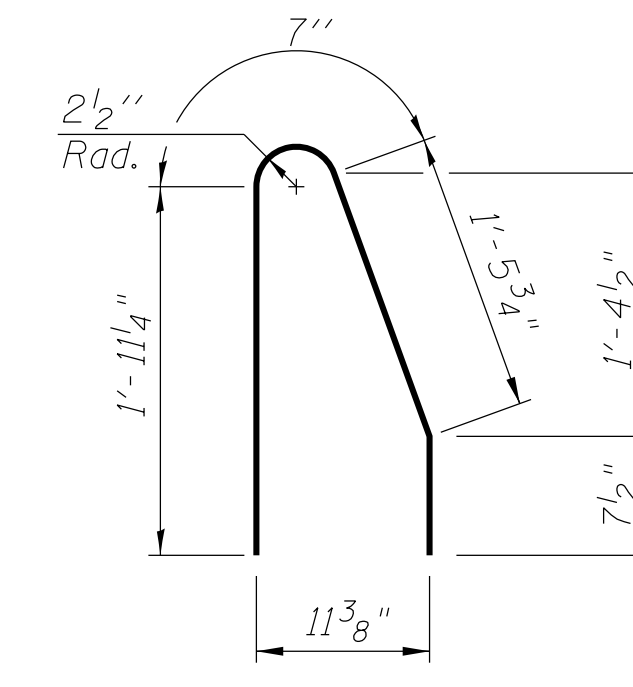
BAR s2(E)



BAR d(E)



BAR d1(E)



BAR d2(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	256	#5	28'-7"	—
a1(E)	273	#5	28'-3"	—
a2(E)	20	#5	48'-0"	—
a3(E)	14	#5	45'-4"	—
a4(E)	146	#6	6'-6"	—
a5(E)	146	#6	8'-11"	—
a6(E)	8	#5	29'-7"	—
b(E)	168	#5	31'-3"	—
b1(E)	164	#5	24'-4"	—
b2(E)	32	#4	20'-0"	—
d(E)	192	#5	5'-7"	—
d1(E)	96	#5	7'-6"	—
d2(E)	96	#5	4'-8"	—
e(E)	70	#4	17'-1"	—
e1(E)	6	#8	32'-4"	—
e2(E)	6	#4	30'-3"	—
m(E)	24	#6	29'-5"	—
m1(E)	42	#6	6'-3"	—
m2(E)	12	#6	2'-8"	—
m3(E)	14	#6	4'-10"	—
m4(E)	4	#6	2'-0"	—
m5(E)	32	#5	4'-0"	—
s(E)	96	#5	9'-2"	—
s1(E)	96	#5	13'-1"	—
s2(E)	336	#4	3'-2"	—
v(E)	110	#5	3'-1"	—
Reinforcement Bars, Epoxy Coated		Lbs.	39,850	
Concrete Superstructure		Cu. Yds.	205.6	
Bridge Deck Grooving		Sq. Yd.	367	
Protective Coat		Sq. Yd.	566	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

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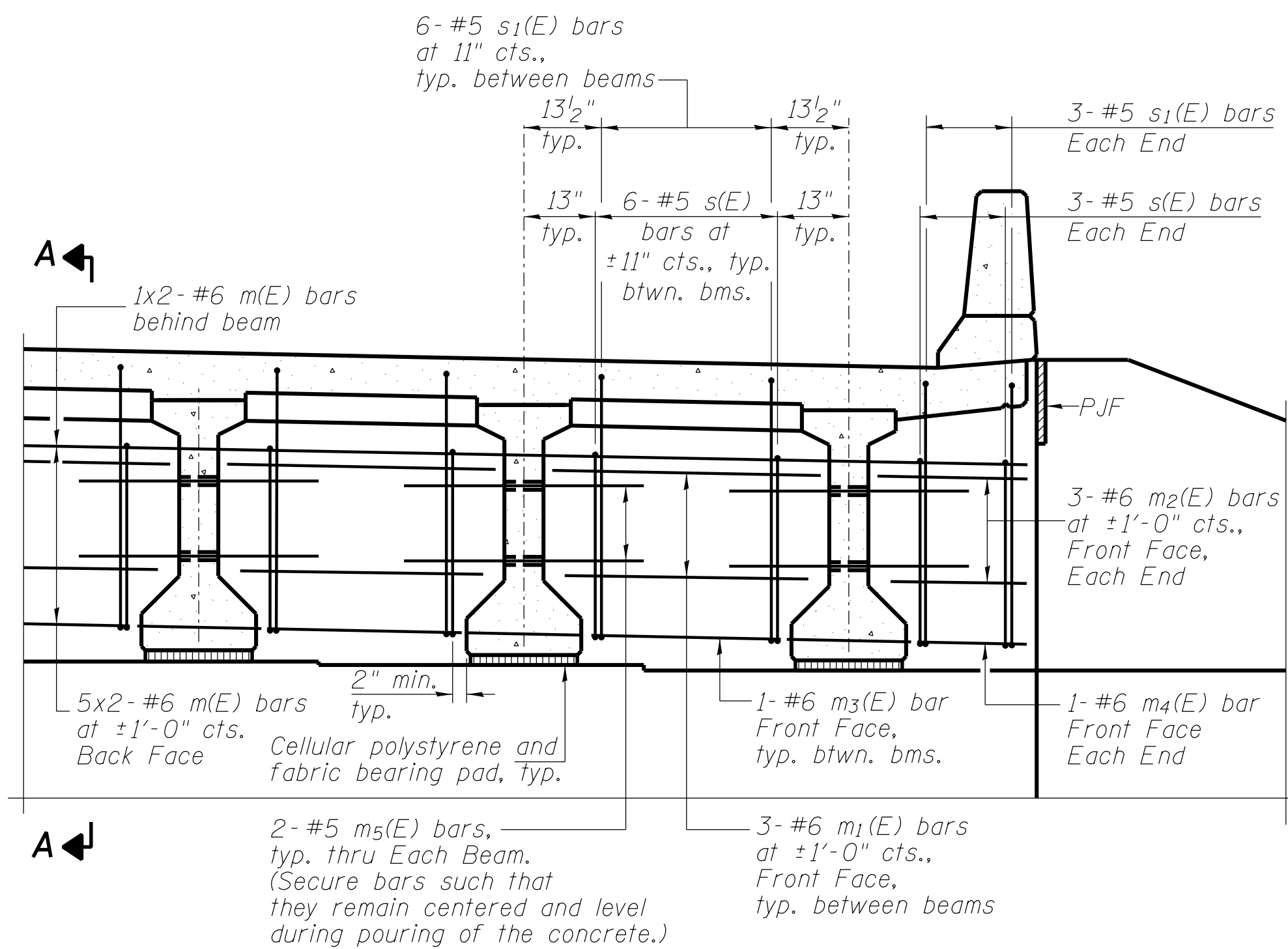
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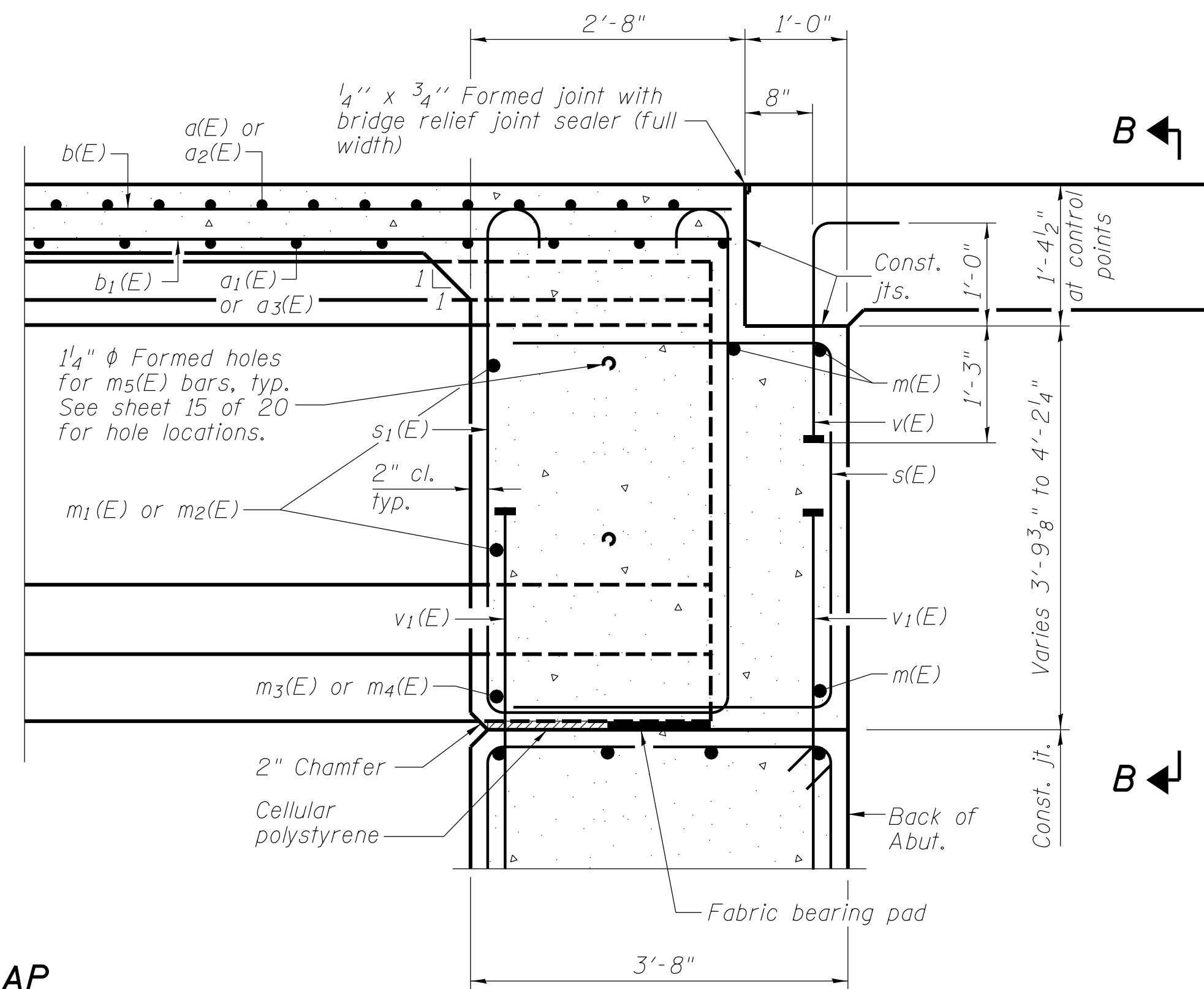
CH 57 OVER TRIBUTARY TO BIG CREEK
SUPERSTRUCTURE DETAILS

SCALE: SHEET NO. 8 OF 20 SHEETS STA. TO STA.

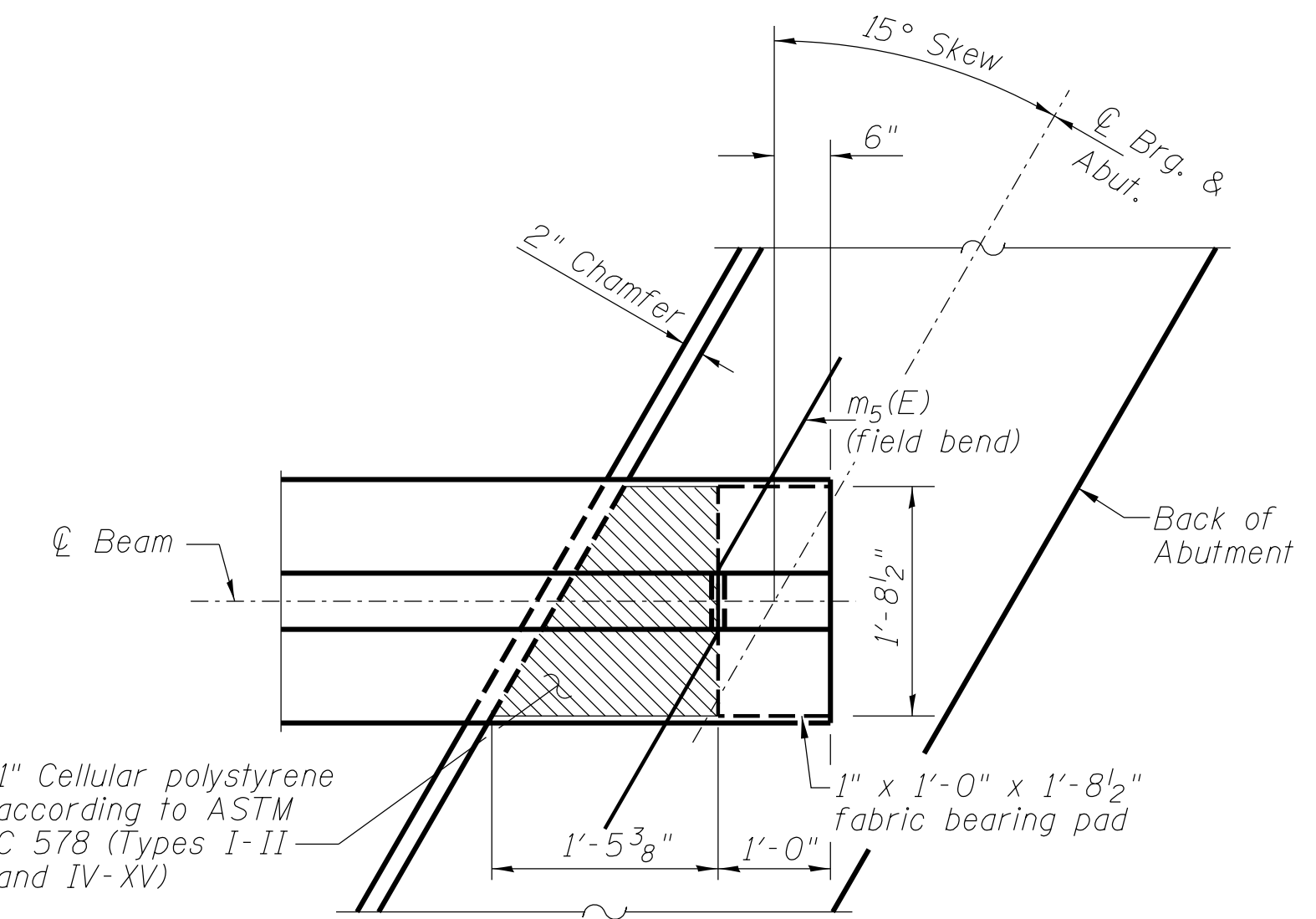
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	38
STRUCTURE NO. 058-3403			ILLINOIS FED. AID PROJECT	



DIAPHRAGM ELEVATION AT ABUTMENT



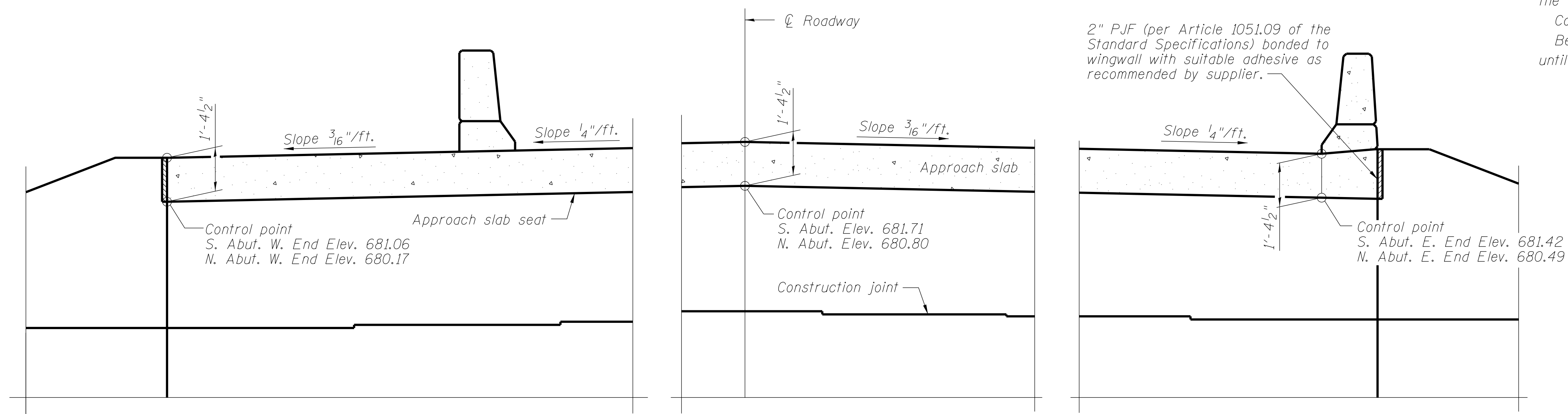
SECTION A-A
(at Rt. L's)



PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

MIN BAR LAP
#6 bar = 3'-1"

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 8 of 20.
Concrete in diaphragm is included with Concrete Superstructure on sheet 8 of 20.
For details of bars s(E), s1(E) and v(E) see sheet 8 of 20.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.



SECTION B-B

FILE NAME = I:\municipalities\macon county\6151.ch 57 over tributary to big creek\CADD\Structure\diaphragm.dgn

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8-31-12

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CH 57 OVER TRIBUTARY TO BIG CREEK
DIAPHRAGM DETAILS

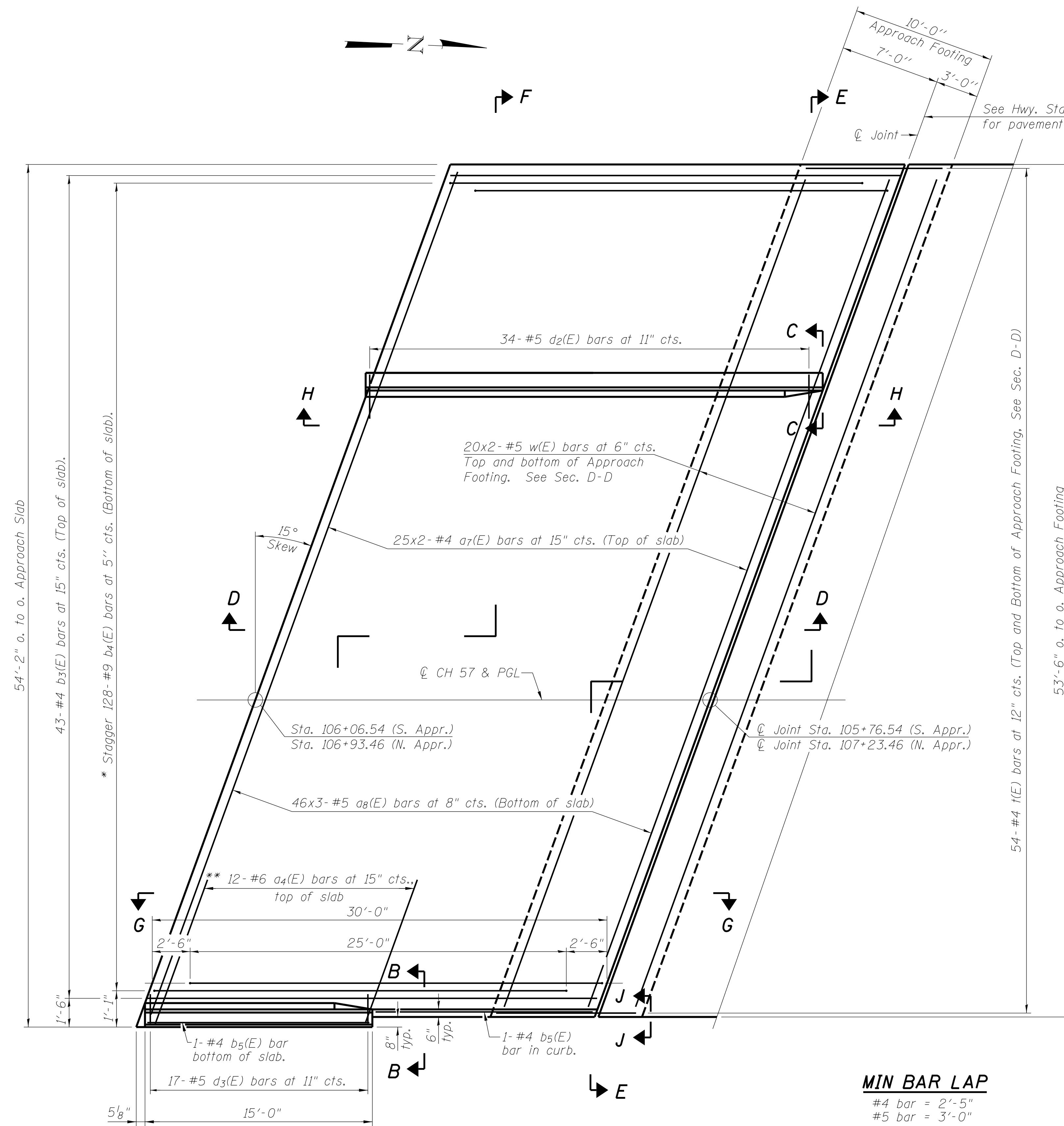
SCALE: SHEET NO. 9 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	39
STRUCTURE NO. 058-3403				

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Notes:
 See sheet 11 of 20 for Sections D-D & E-E and F-F.
 $a_7(E)$ and $a_8(E)$ bar spacings measured along C.R.
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be 12" for installation purposes.
 See Sheet 12 of 20 for View G-G and H-H.

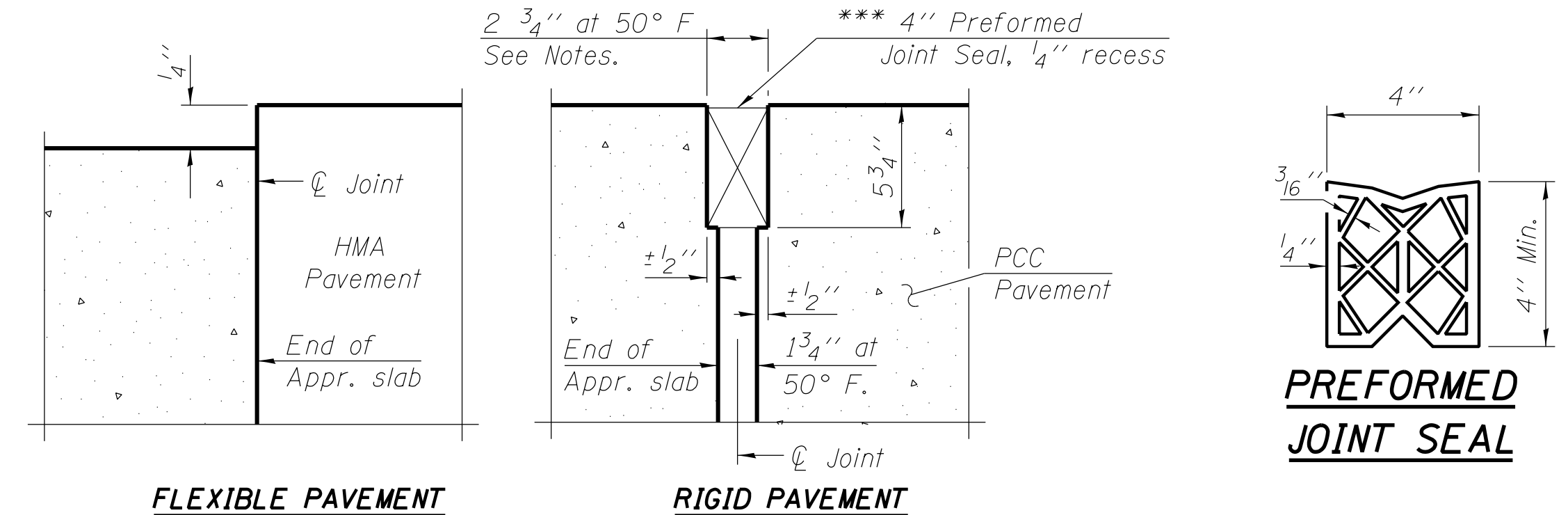
*** Cost included with Concrete Superstructure.



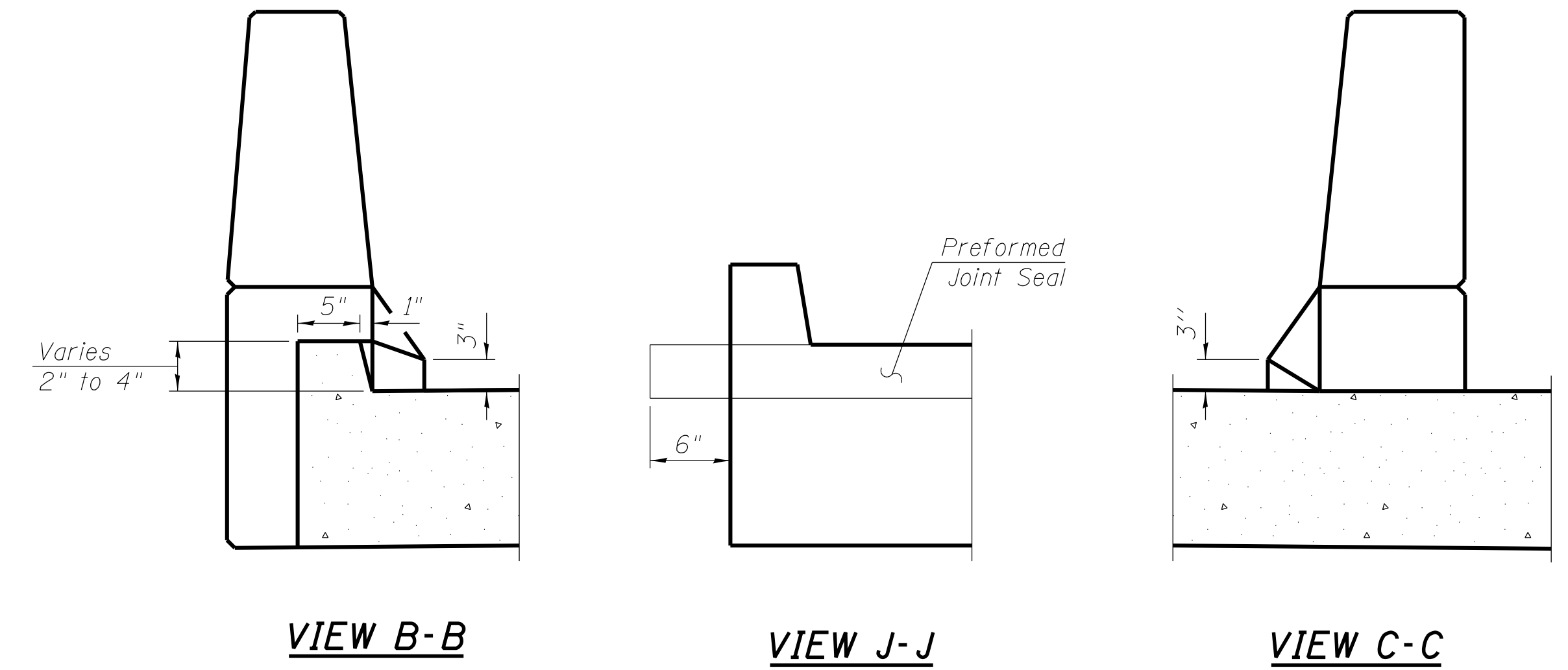
PLAN

(N. approach shown, S. approach similar)

* Tilt #9 $b_4(E)$ bars as required to maintain clearance.
 ** Space between $a_7(E)$ bars, typ. each parapet.



DETAIL A



VIEW B-B

VIEW J-J

VIEW C-C

MIN BAR LAP

#4 bar = 2'-5"
 #5 bar = 3'-0"

BA-L

12-12-12

(Sheet 1 of 3)

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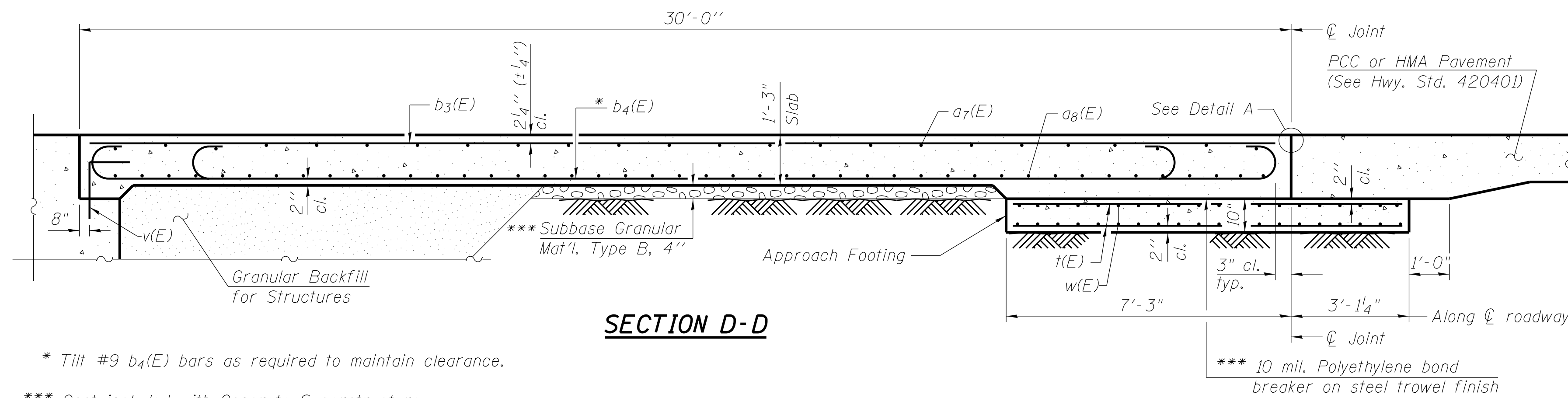
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**CH 57 OVER TRIBUTARY TO BIG CREEK
 BRIDGE APPROACH SLAB DETAILS**

SCALE: SHEET NO. 10 OF 20 SHEETS STA. TO STA.

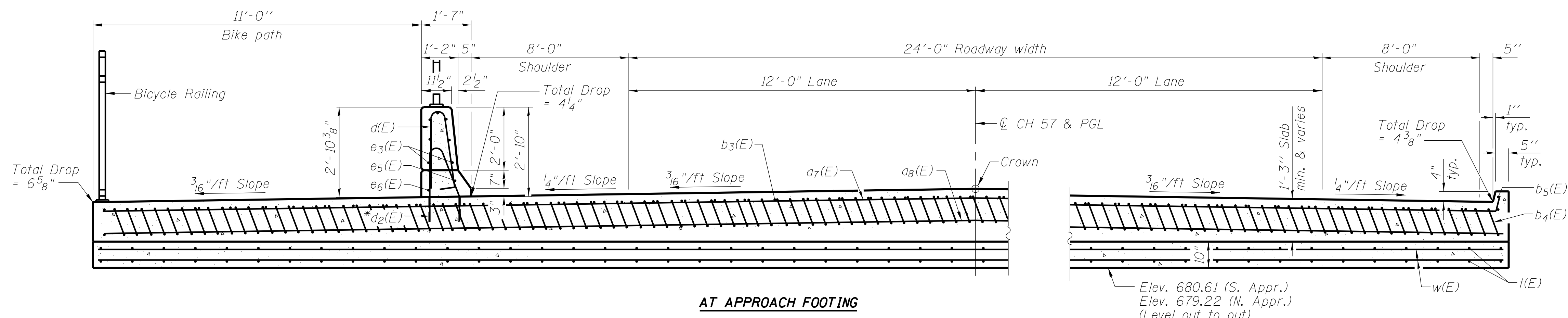
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STRUCTURE NO. 058-3403				

ILLINOIS FED. AID PROJECT



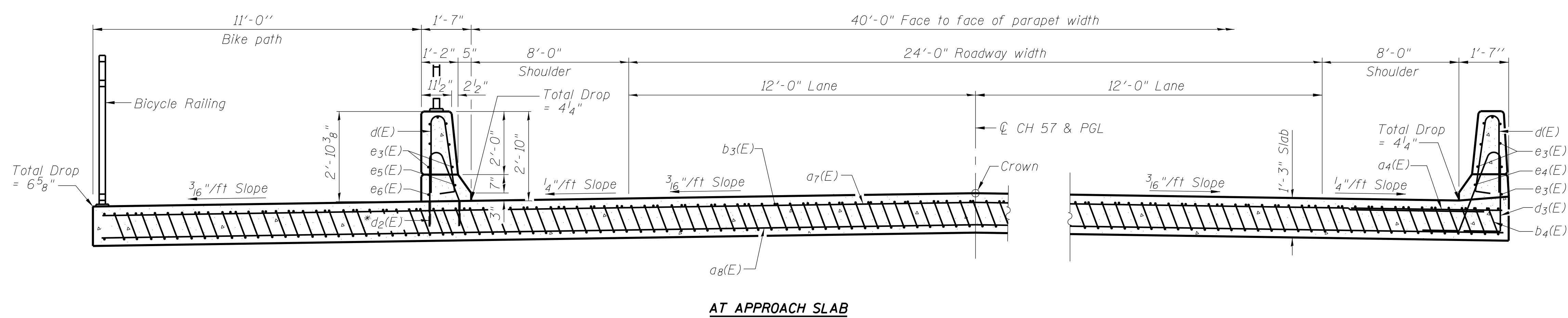
Notes:
 See sheet 10 of 20 for Detail A and View B-B.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab and curb concrete shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 8 of 20.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 20.
 For additional parapet details, see sheet 8 of 20.

* Tilt #9 b4(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.



AT APPROACH FOOTING
SECTION E-E
 (See Plan for dimensions not shown)

*Core and set #5 d2(E) bars according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scarred per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".



AT APPROACH SLAB
SECTION F-F
 (See Plan for dimensions not shown)

FILE NAME = I:\Municipalities\Macon County\6151 CH 57 over Tributary to Big Creek\CADD\Structural\apprslab.dgn

BA-L 12-12-12

(Sheet 2 of 3)

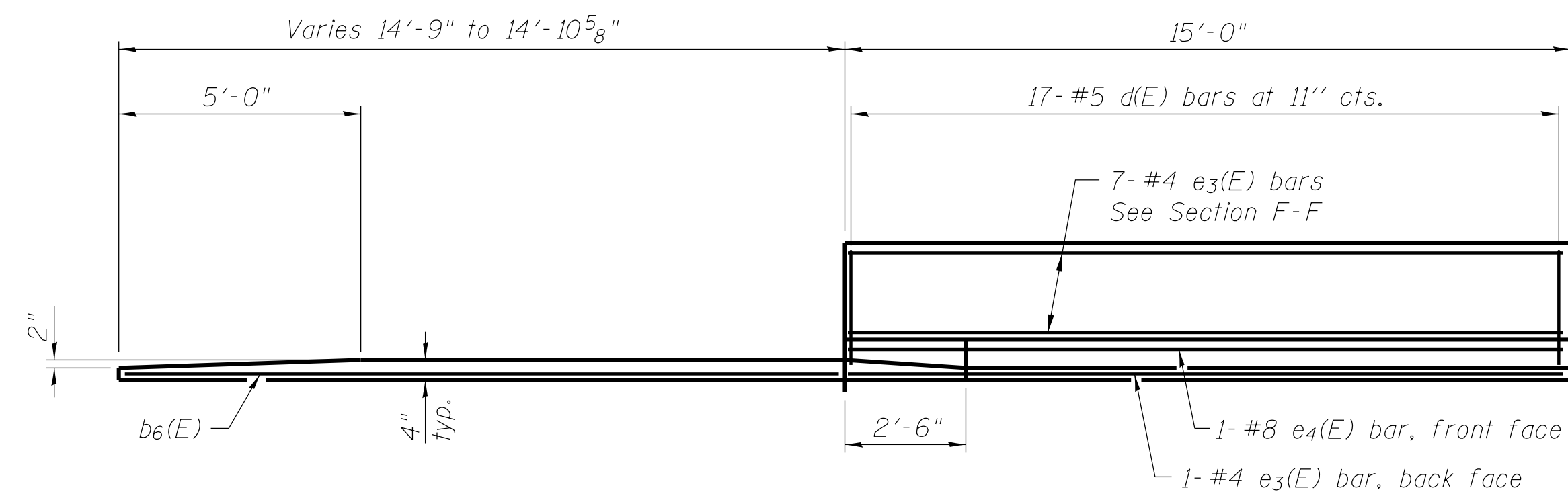
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PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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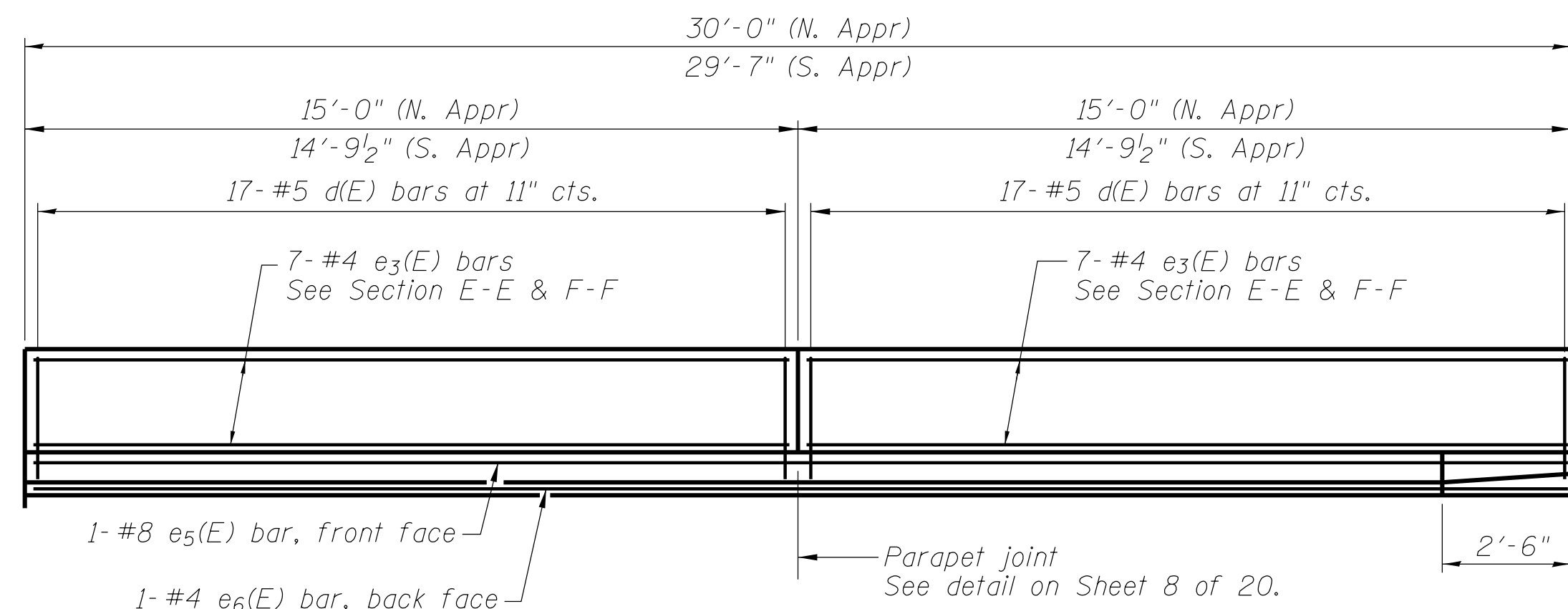
DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK BRIDGE APPROACH SLAB DETAILS			
SCALE:	SHEET NO. 11 OF 20 SHEETS	STA.	TO STA.

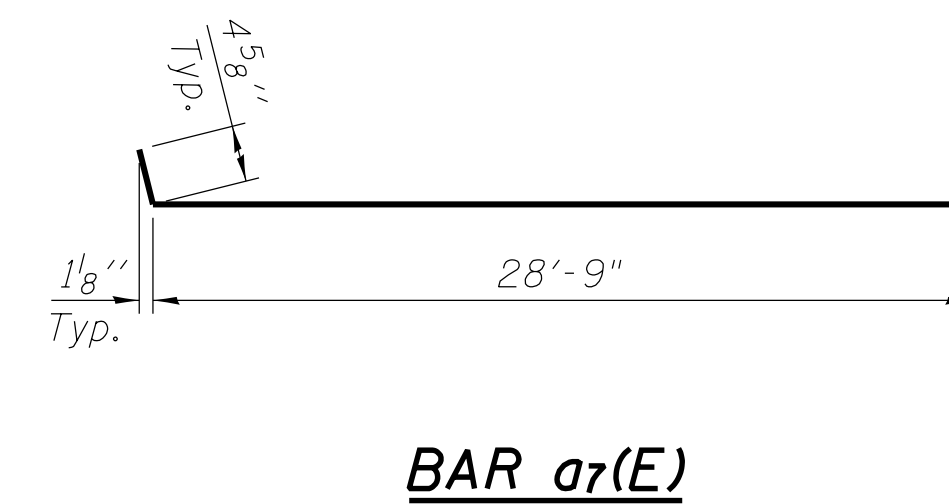
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	41
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				



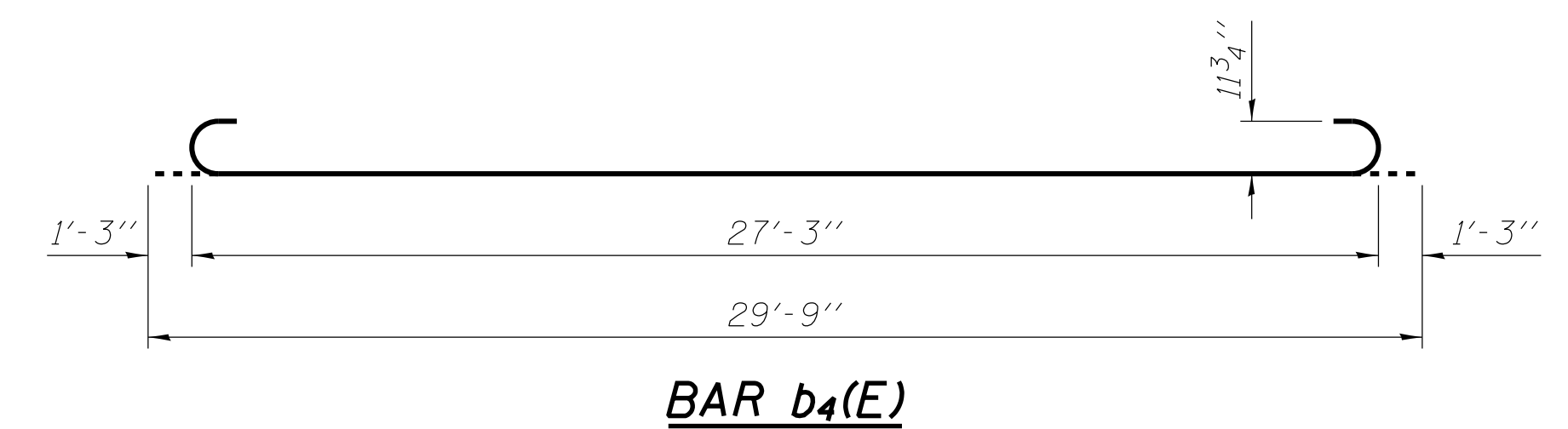
VIEW G-G



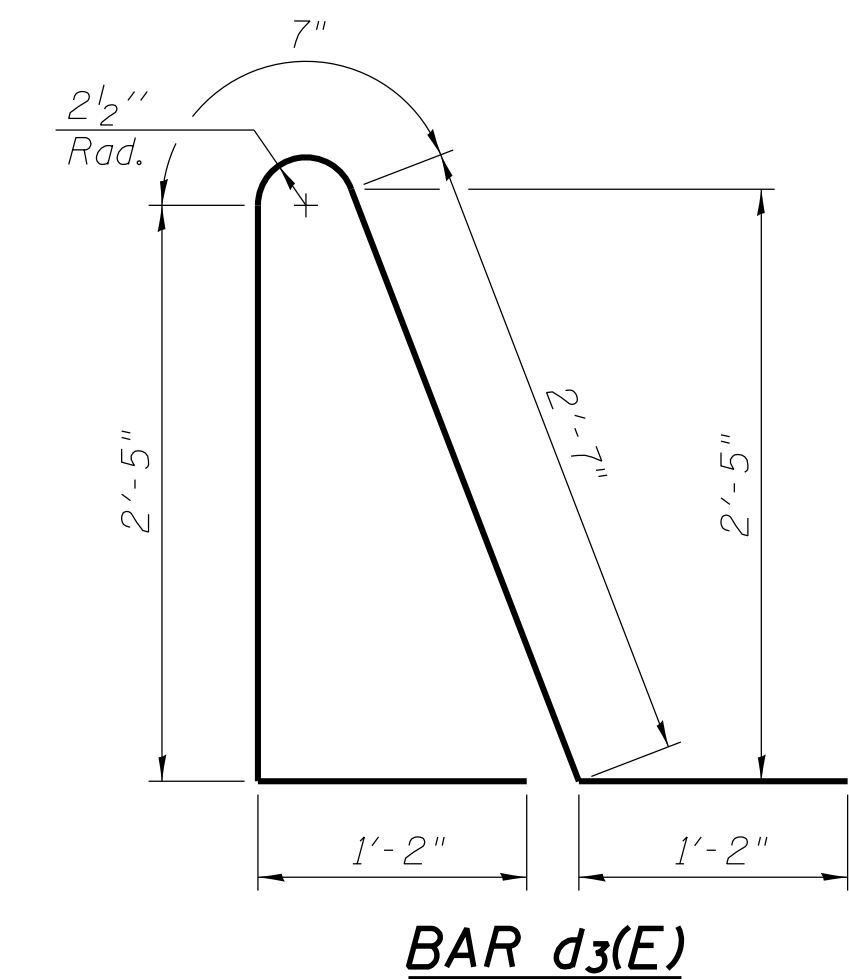
VIEW H-H



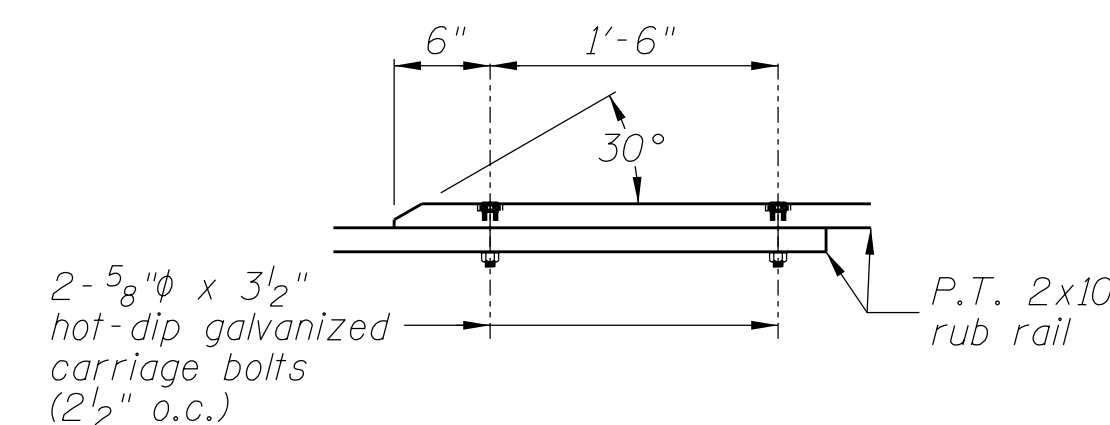
BAR a7(E)



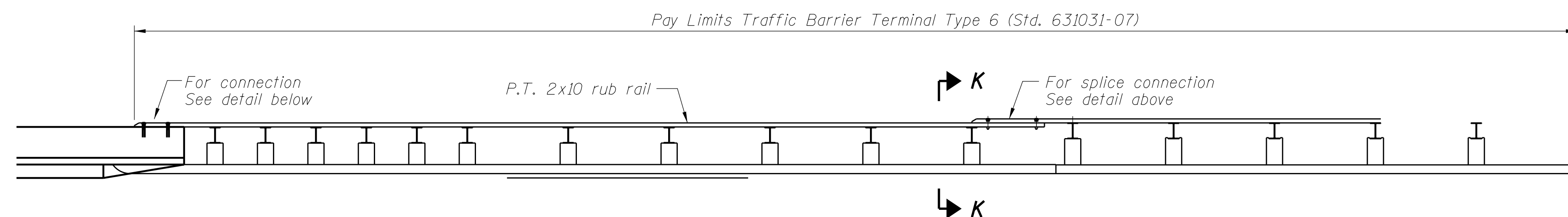
BAR b4(E)



BAR d3(E)



RUB RAIL SPLICE CONNECTION

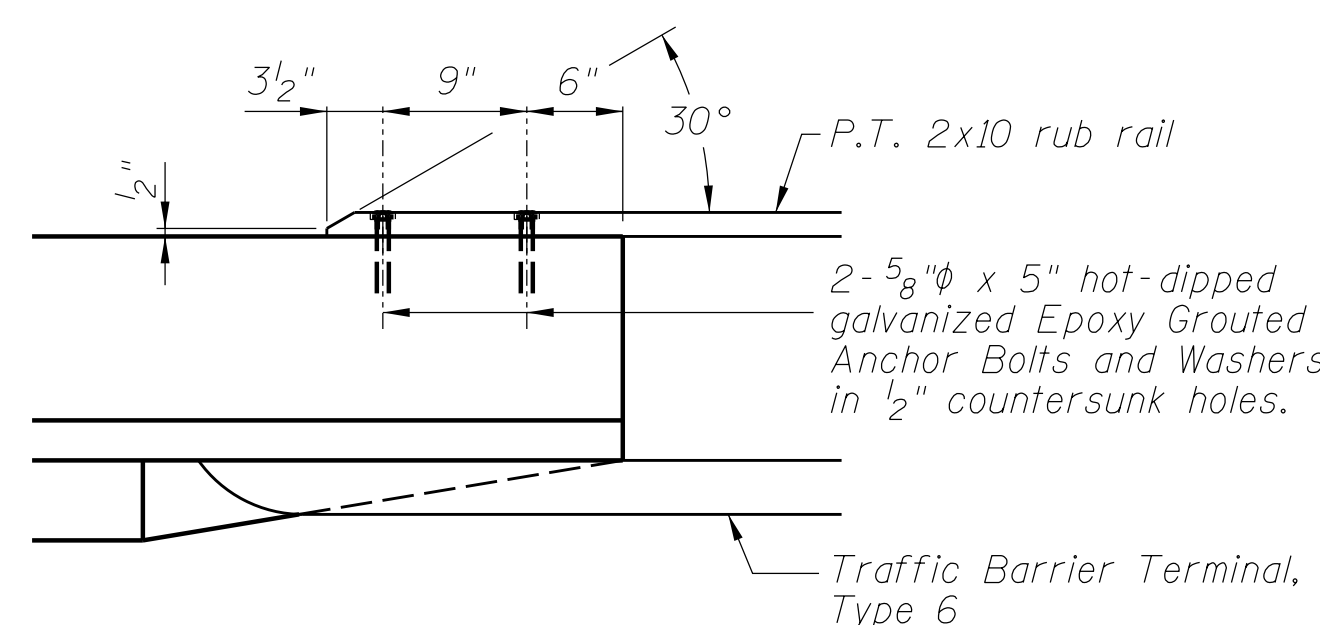


SHARED-USE PATH RUB RAIL DETAIL

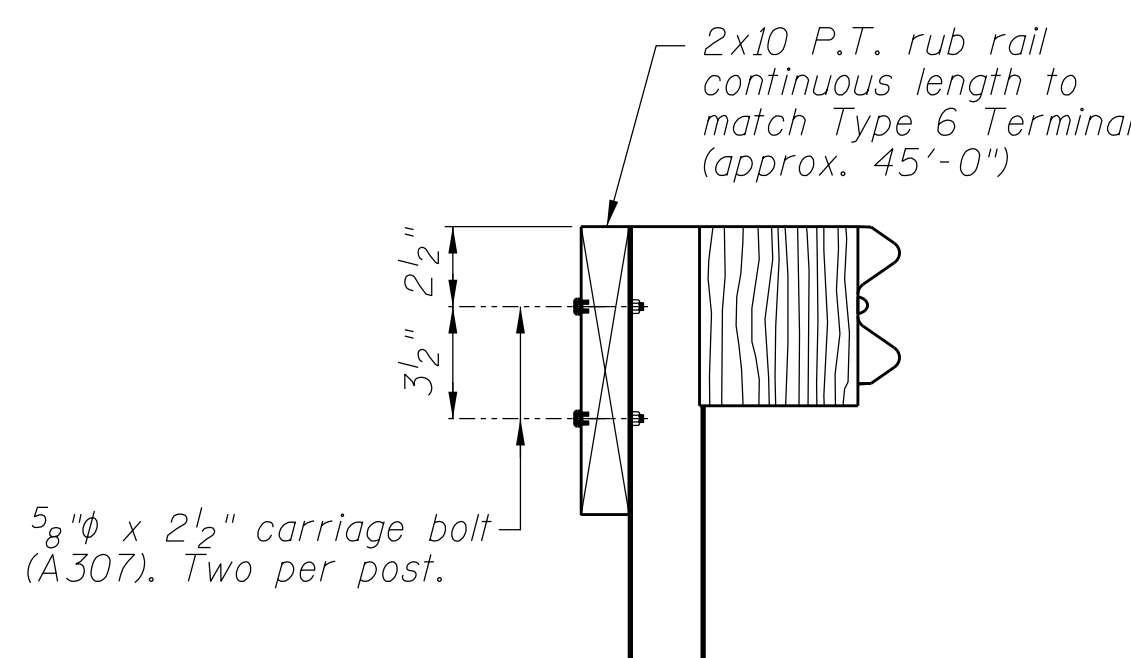
The cost for the rub rail work shall be included in the cost of Traffic Barrier Terminal, Type 6 (See Roadway Plans) Rub rail shall conform to Section 1007.

RUB RAIL LOCATION

Station	to	Station
Lt 105+55		Lt 105+84
Lt 107+27		Lt 107+60



RUB RAIL CONNECTION TO PARAPET



SECTION K-K

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a4(E)	24	#6	6'-6"	▬▬▬▬
a7(E)	100	#4	29'-2"	▬▬▬▬
a8(E)	276	#5	20'-4"	▬▬▬▬
b3(E)	86	#4	29'-8"	▬▬▬▬
b4(E)	256	#9	29'-2"	▬▬▬▬
b5(E)	4	#4	14'-8"	▬▬▬▬
d(E)	102	#5	5'-7"	▬▬▬▬
d2(E)	68	#5	4'-8"	▬▬▬▬
d3(E)	34	#5	7'-11"	▬▬▬▬
e3(E)	44	#4	14'-6"	▬▬▬▬
e4(E)	2	#8	14'-6"	▬▬▬▬
e5(E)	2	#8	29'-4"	▬▬▬▬
e6(E)	2	#4	29'-4"	▬▬▬▬
t(E)	216	#4	10'-0"	▬▬▬▬
w(E)	160	#5	29'-1"	▬▬▬▬
Concrete Superstructure		Cu. Yd.	5.0	
Concrete Superstructure (Approach Slab)		Cu. Yd.	156.8	
Concrete Structures		Cu. Yd.	34.2	
Reinforcement Bars, Epoxy Coated		Pound	43,880	
Bridge Deck Grooving		Sq. Yd.	254	
Protective Coat		Sq. Yd.	381	

(Sheet 3 of 3)

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PLOT SCALE = 1.0000' / 1"	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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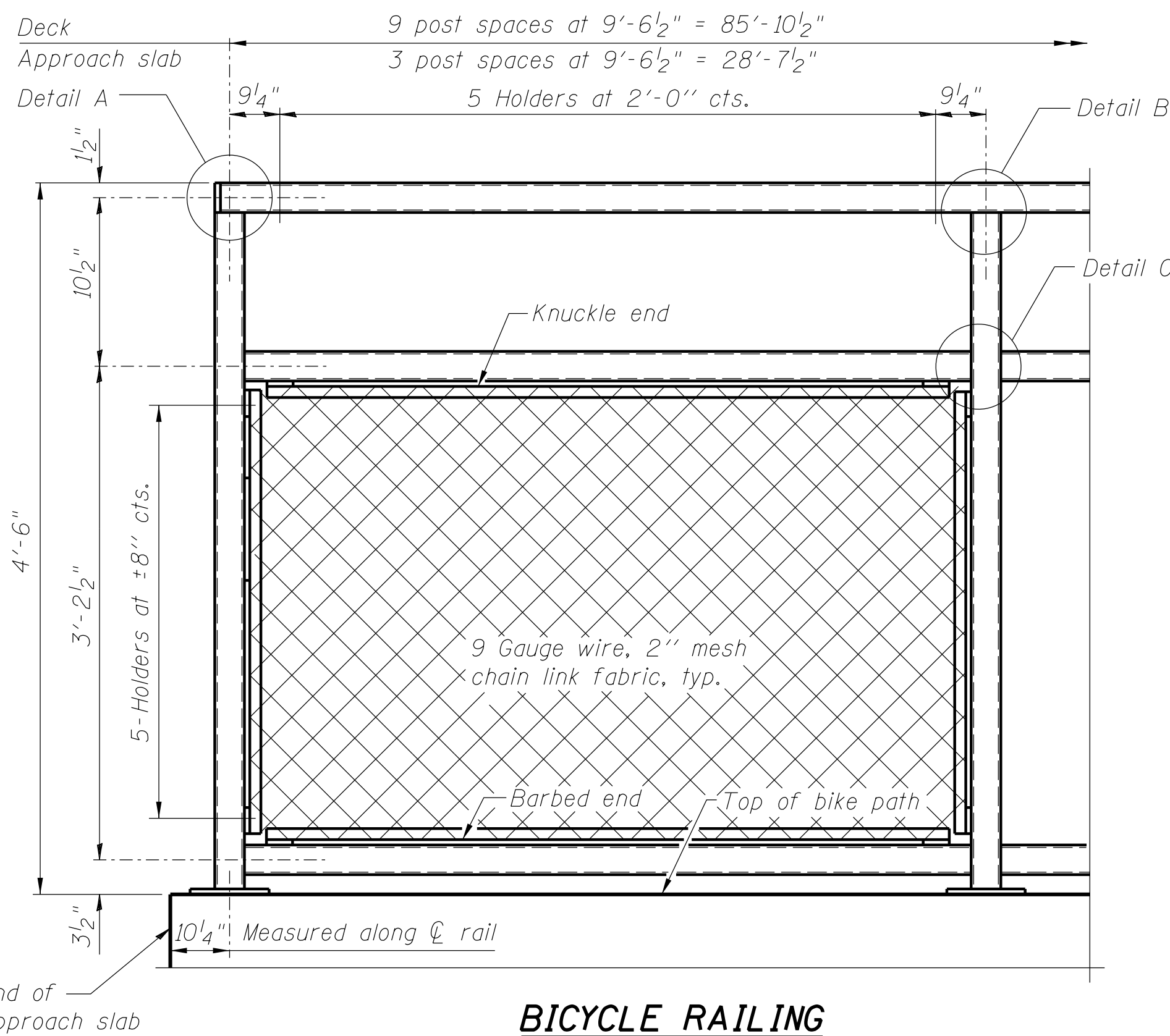
DECATUR (217) 422-8544
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184-001397

**CH 57 OVER TRIBUTARY TO BIG CREEK
BRIDGE APPROACH SLAB DETAILS**

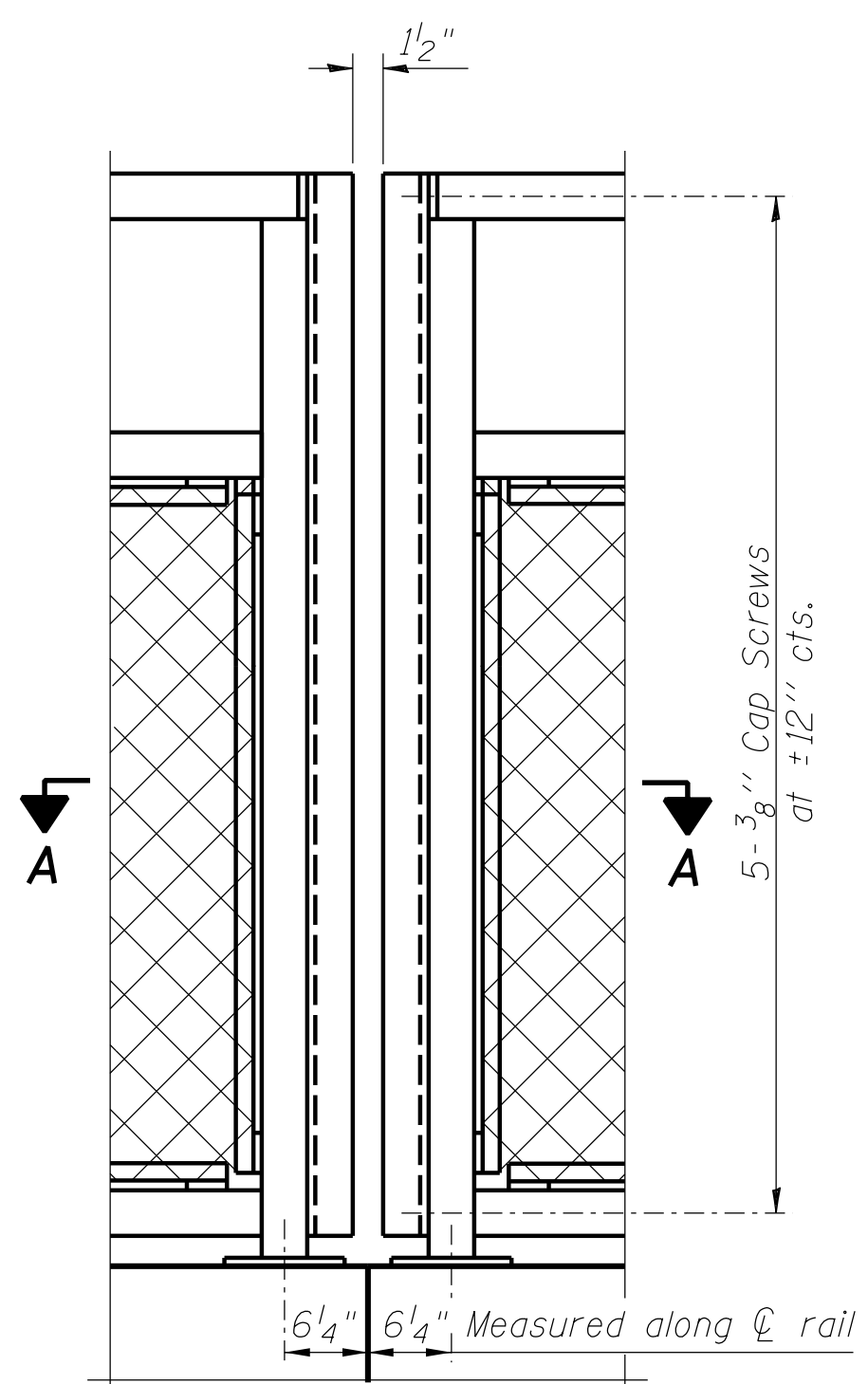
SCALE: SHEET NO. 12 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	42
STRUCTURE NO. 058-3403				

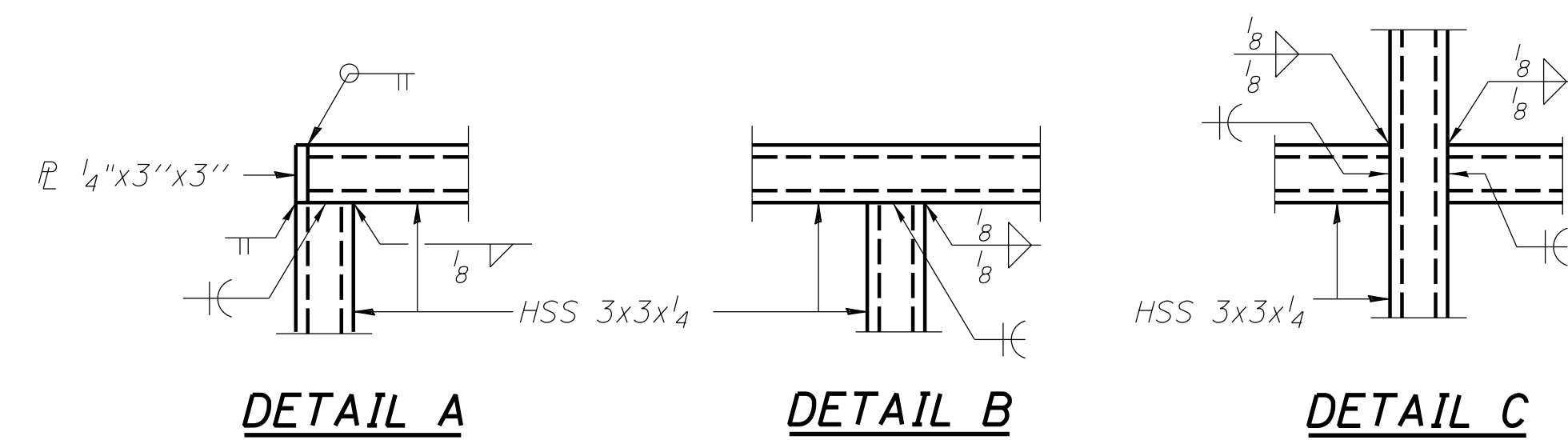
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BICYCLE RAILING



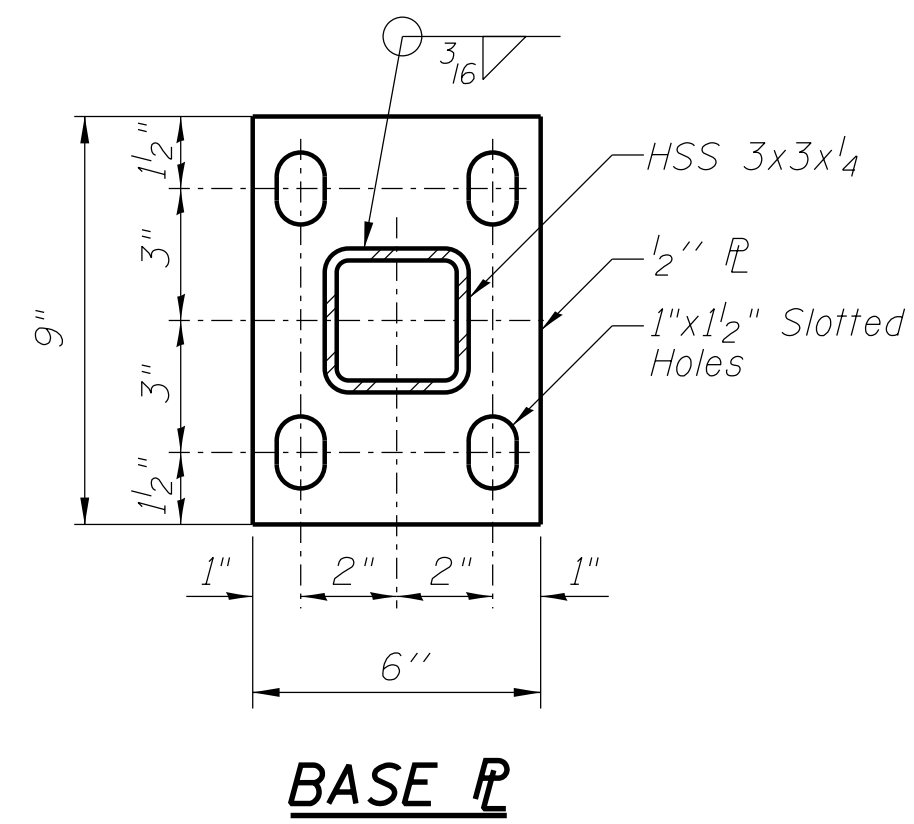
BICYCLE RAILING AT END OF DECK



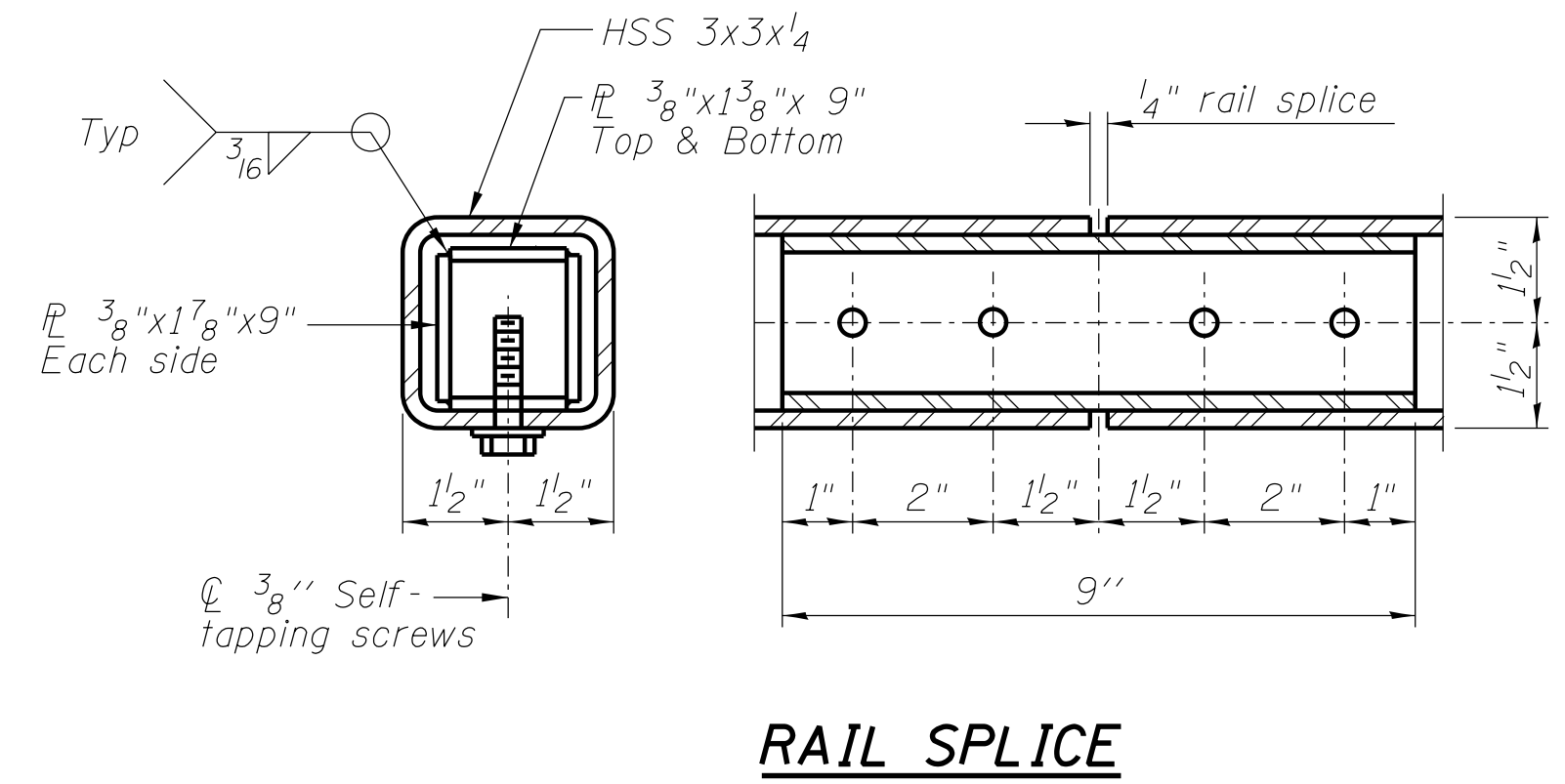
DETAIL A

DETAIL B

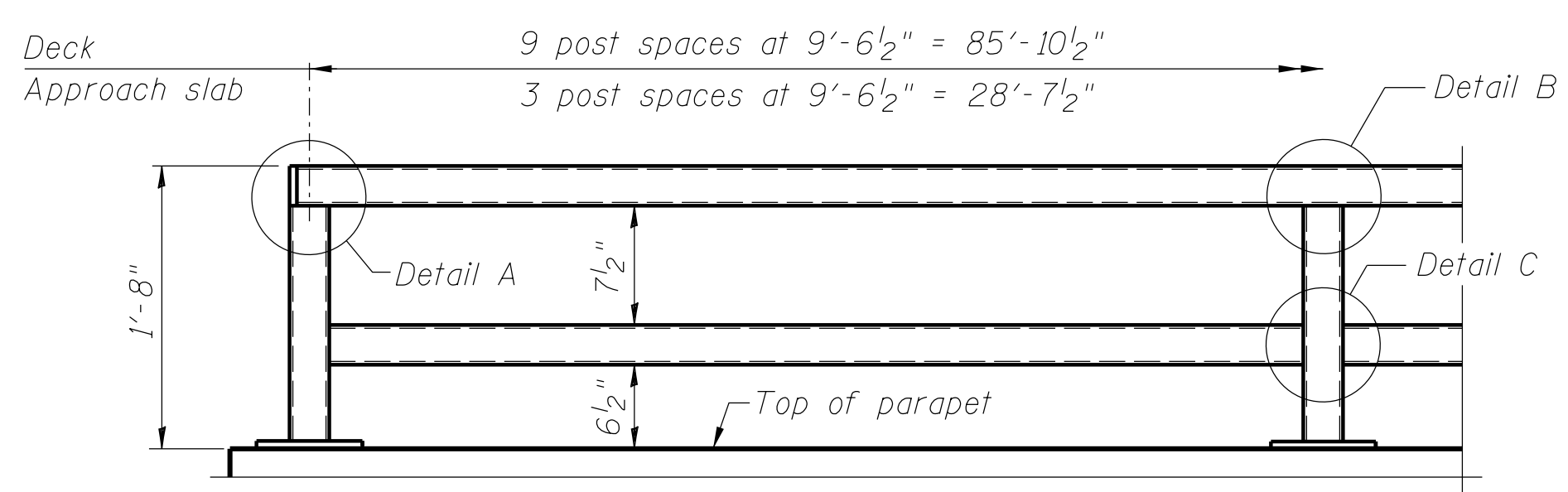
DETAIL C



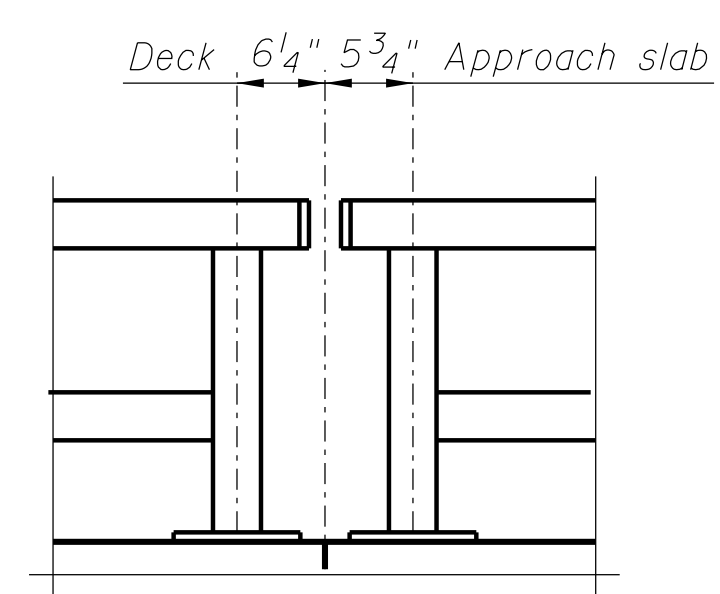
BASE PLATE



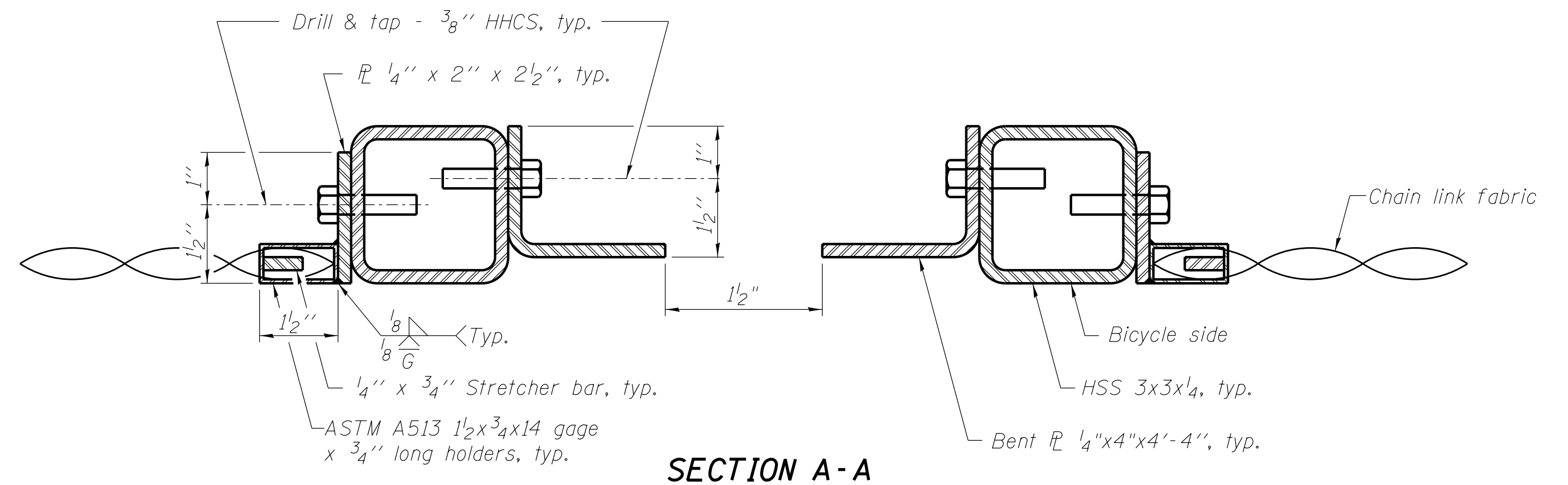
RAIL SPLICE



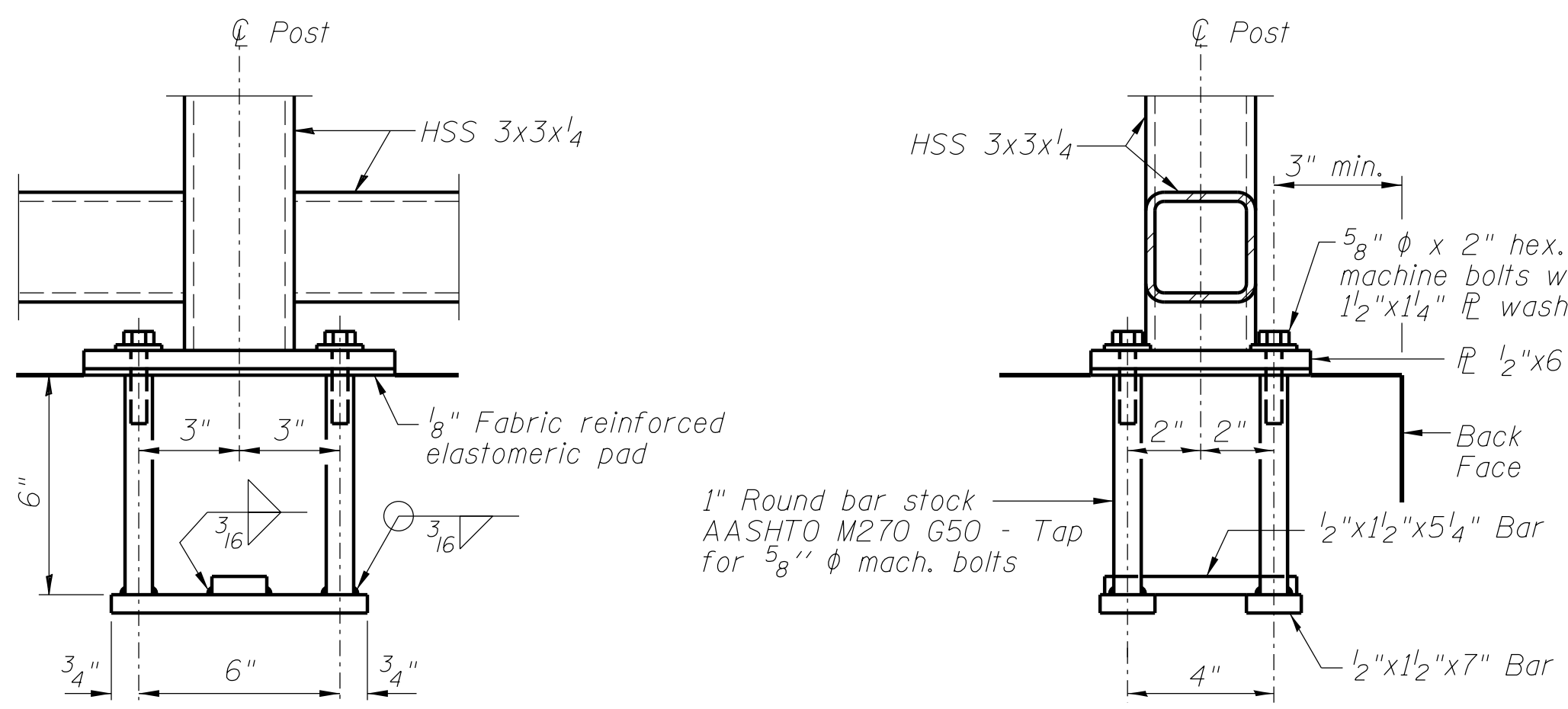
PARAPET RAILING ELEVATION



PARAPET RAILING ELEVATION AT FULL DEPTH PARAPET JOINT

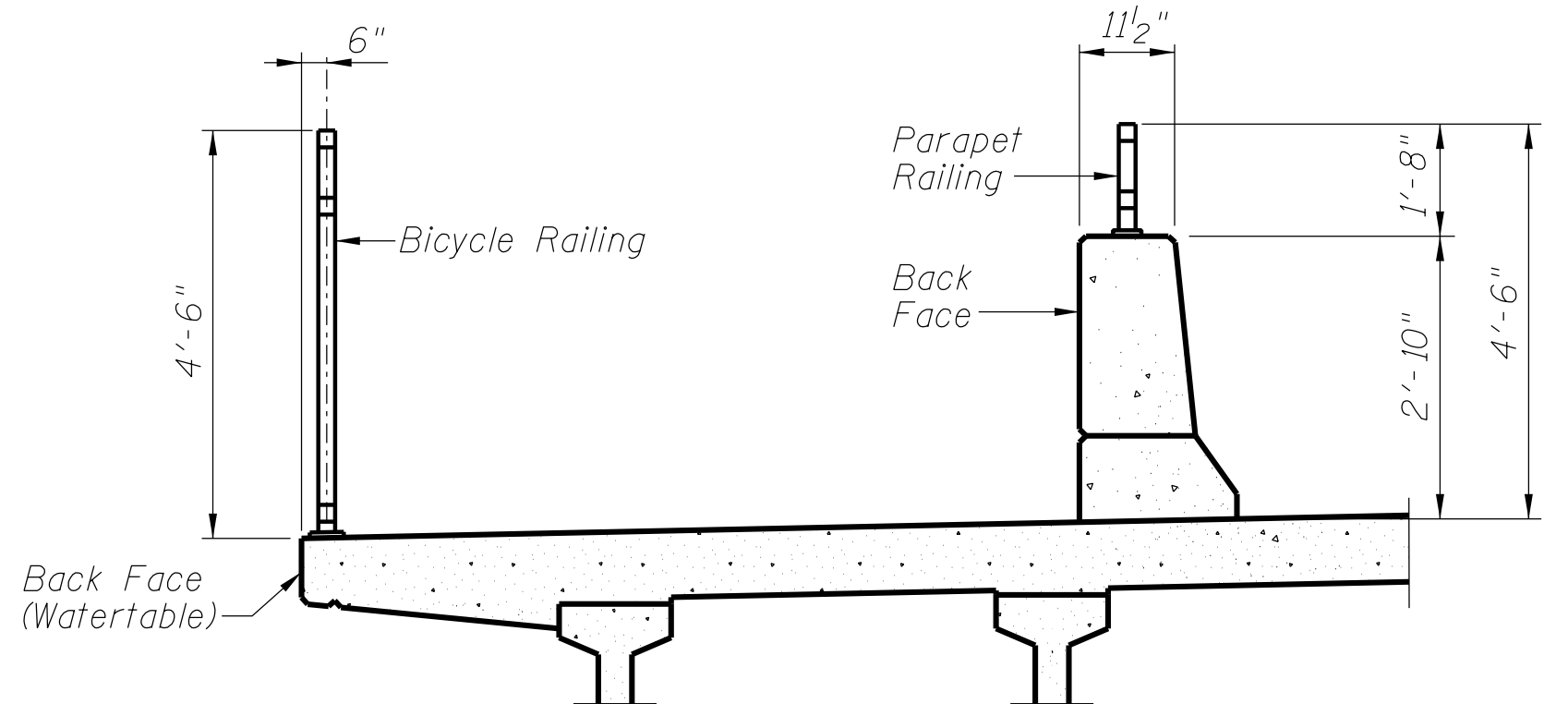


SECTION A-A



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION THRU DECK

The chain link fabric shall be black coated vinyl and conform to the requirements of Article 1006.27(a)(1)d of the Standard Specifications.

All posts, railing, splices, anchor devices and bent plates shall be painted using one of the two following paint systems:
 1. Inorganic Zinc-rich/waterborne Acrylic for shop and field applications.
 2. Organic Zinc-rich/Epoxy/Urethane for full shop application.

Finish paint color shall be NI-Black. See Article 506 "Cleaning and Painting New Steel Structures".

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	144
Parapet Railing	Foot	144

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PLOT TIME = 10:26:18 AM	DRAWN RLK	REVISED -
PLOT SCALE = 1.0000' / 1"	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

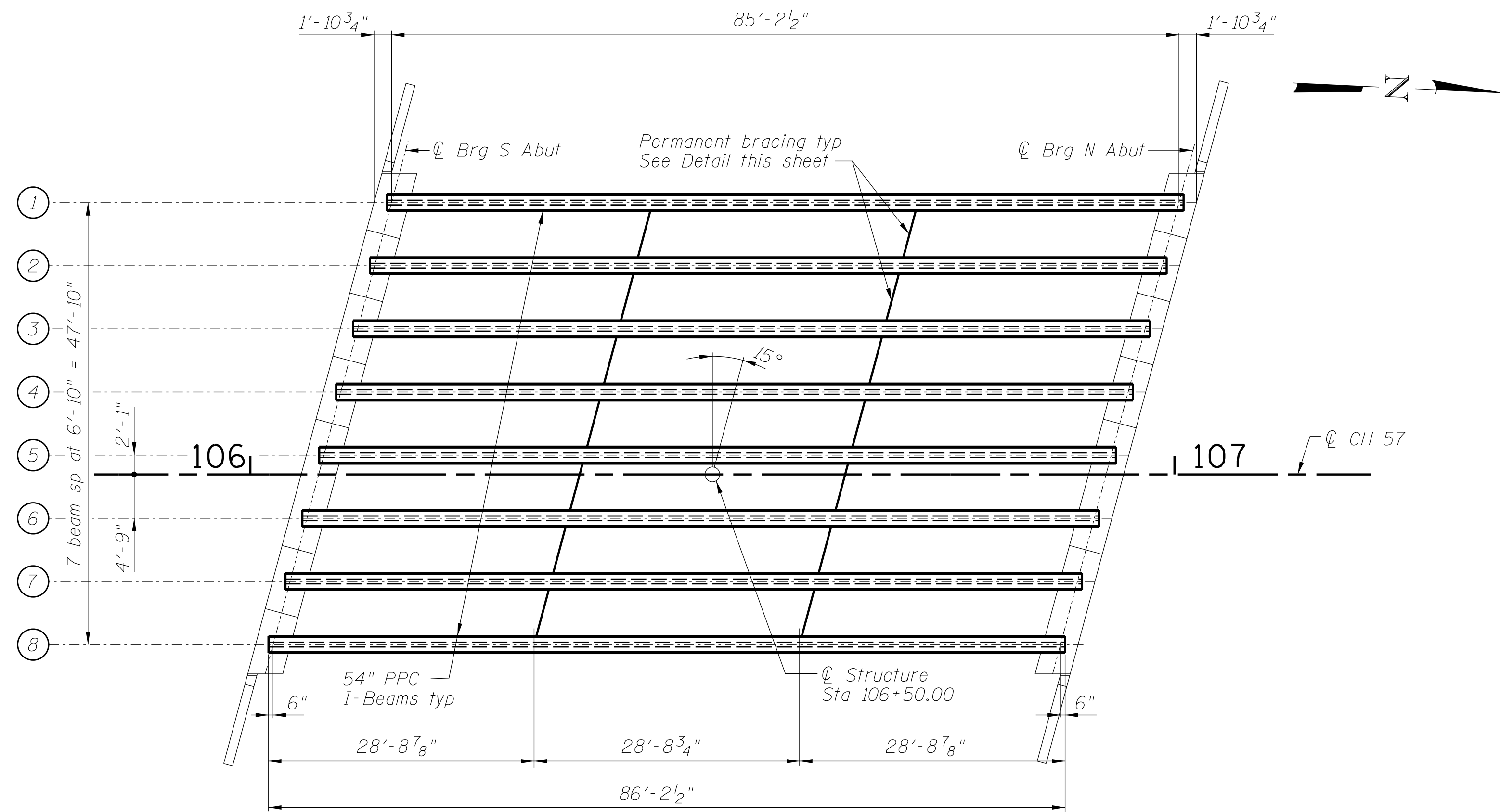
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ROCKFORD (815) 489-0050
184-001397

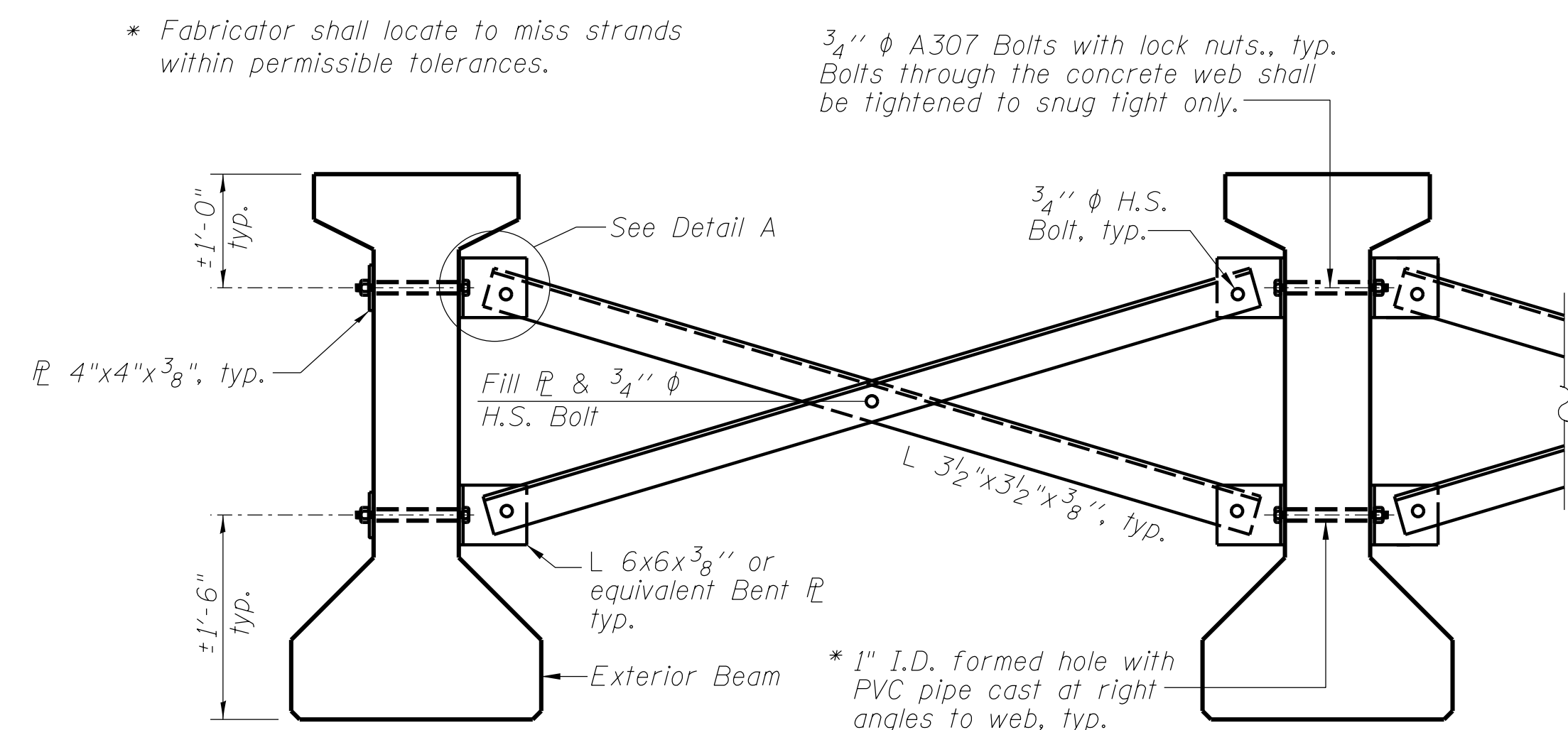
CH 57 OVER TRIBUTARY TO BIG CREEK
BICYCLE RAILING

SCALE: SHEET NO. 13 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	43
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				

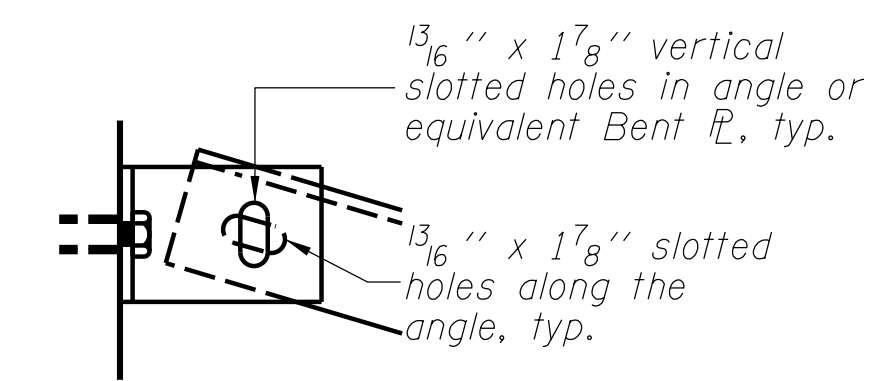


FRAMING PLAN



Notes:

- All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
- Two hardened washers are required for each set of oversized holes.
- All holes shall be $15/16$ " ϕ unless otherwise noted.
- $5/16$ " x 3" x 3" plate washers are required over all slotted holes.
- All bolts shall be galvanized according to AASHTO M232.
- Bracing shall be installed as beams are erected and tightened as soon as possible during erection.
- Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete I-Beams.



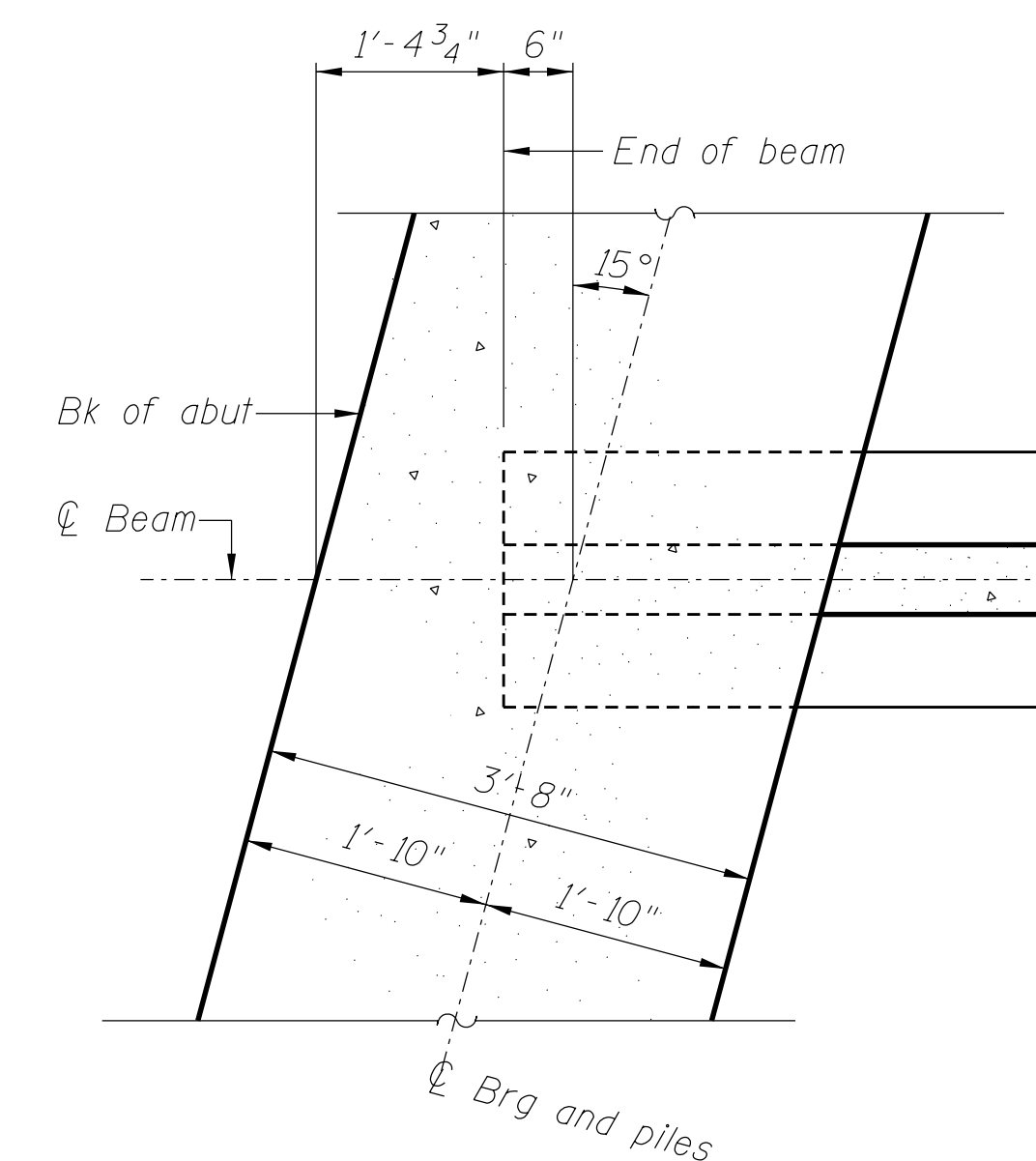
DETAIL A

PERMANENT BRACING DETAILS

INTERIOR BEAM MOMENT TABLE		0.5 Span
I	(in ⁴)	213715
I'	(in ⁴)	525068.7
S_b	(in ³)	8559
S_b'	(in ³)	12945
S_t	(in ³)	7362
S_t'	(in ³)	39075
$DC1$	(k/')	1.32
M_{DC1}	(k)	1196
$DC2$	(k/')	0.15
M_{DC2}	(k)	136
DW	(k/')	0.25
M_{DW}	(k)	227
$LLDF$		0.60
$M_L + IM$	(k)	1353

INTERIOR BEAM REACTION TABLE		
HL93 Loading		
		Abutments
R_{DC1}	(k)	56.1
R_{DC2}	(k)	6.4
R_{DW}	(k)	10.7
$R_L + IM$	(k)	89.1
R_{Total}	(k)	162.3

- I : Non-composite moment of inertia of beam section (in⁴).
- I' : Composite moment of inertia of beam section (in⁴).
- S_b : Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_b' : Composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_t : Non-composite section modulus for the top fiber of the prestressed beam (in³).
- S_t' : Composite section modulus for the top fiber of the prestressed beam (in³).
- $DC1$: Un-factored non-composite dead load (kips/ft.).
- M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
- $DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- $M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).



END OF BEAM DETAIL AT ABUTMENTS

FILE NAME = I:\municipalities\macon county\6151 ch 57 over tributary to big creek\CADD\Structure\Framing.dgn

USER NAME = rkocher	DESIGNED JMB	REVISED -
PLOT TIME = 10:26:19 AM	DRAWN RLK	REVISED -
PLOT SCALE = 1/20" = 1' / in.	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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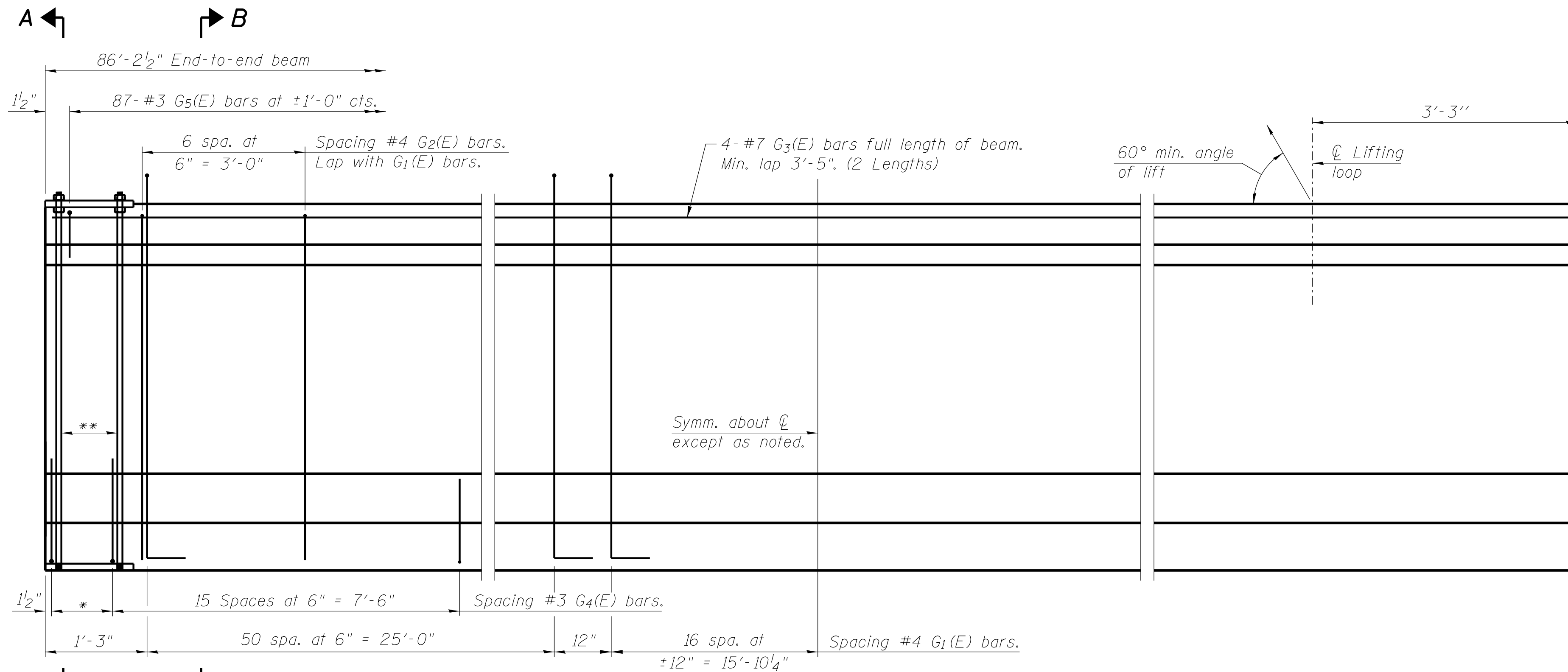
DECATUR (217) 422-8544
SCHAUMBURG (773) 714-0050
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184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
FRAMING PLAN AND DETAILS

SCALE: SHEET NO. 14 OF 20 SHEETS STA. TO STA.

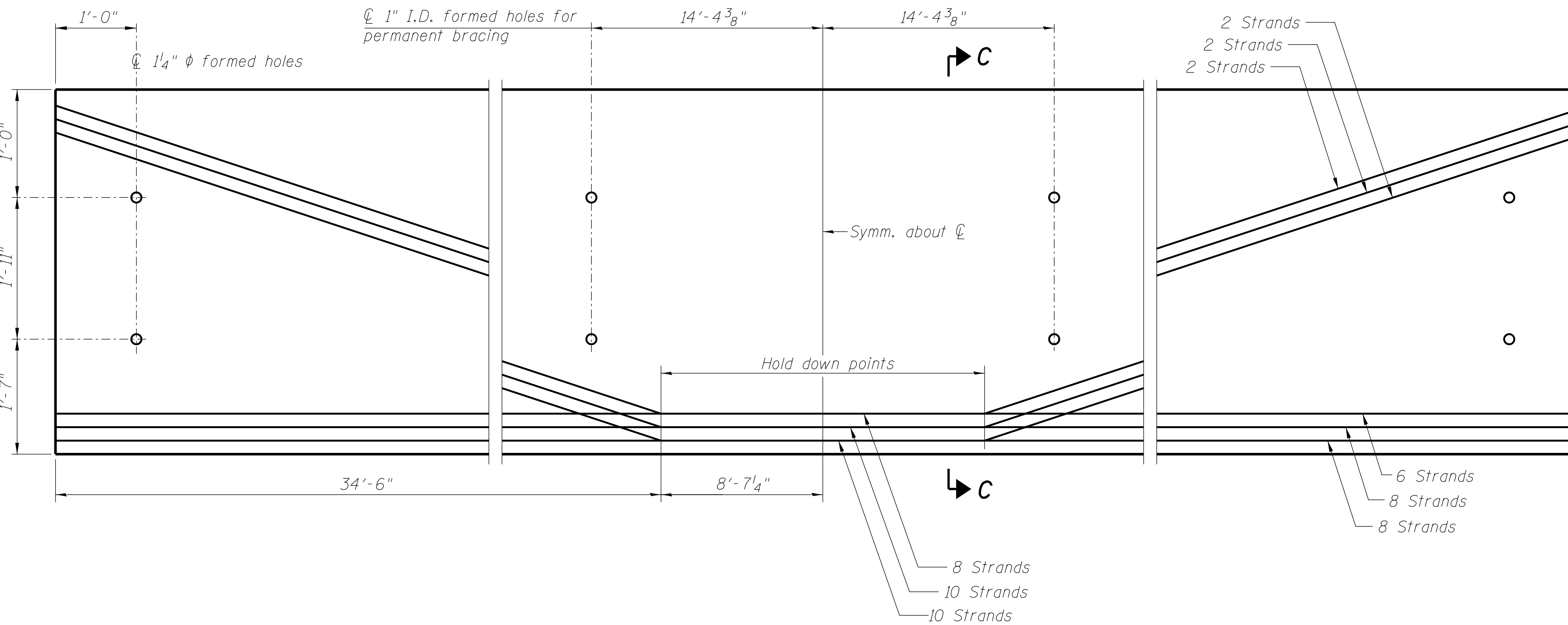
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STRUCTURE NO. 058-3403				

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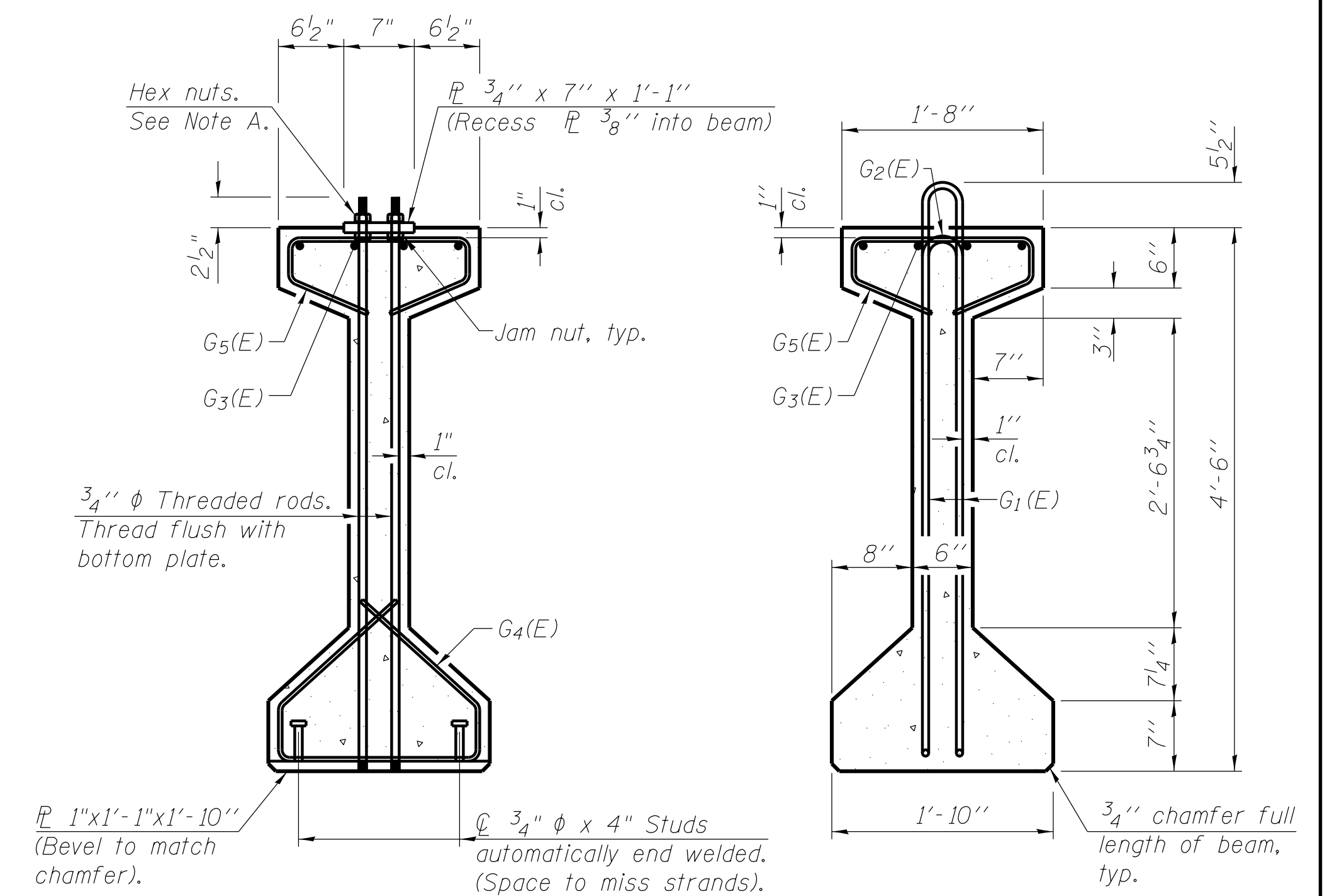


ELEVATION OF BEAM
(Showing reinforcement & dimensions)

* 3 spaces at 3" = 9".
** 4- 3/4" ϕ threaded dowel rods at 3" cts., Each Face.



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION A-A

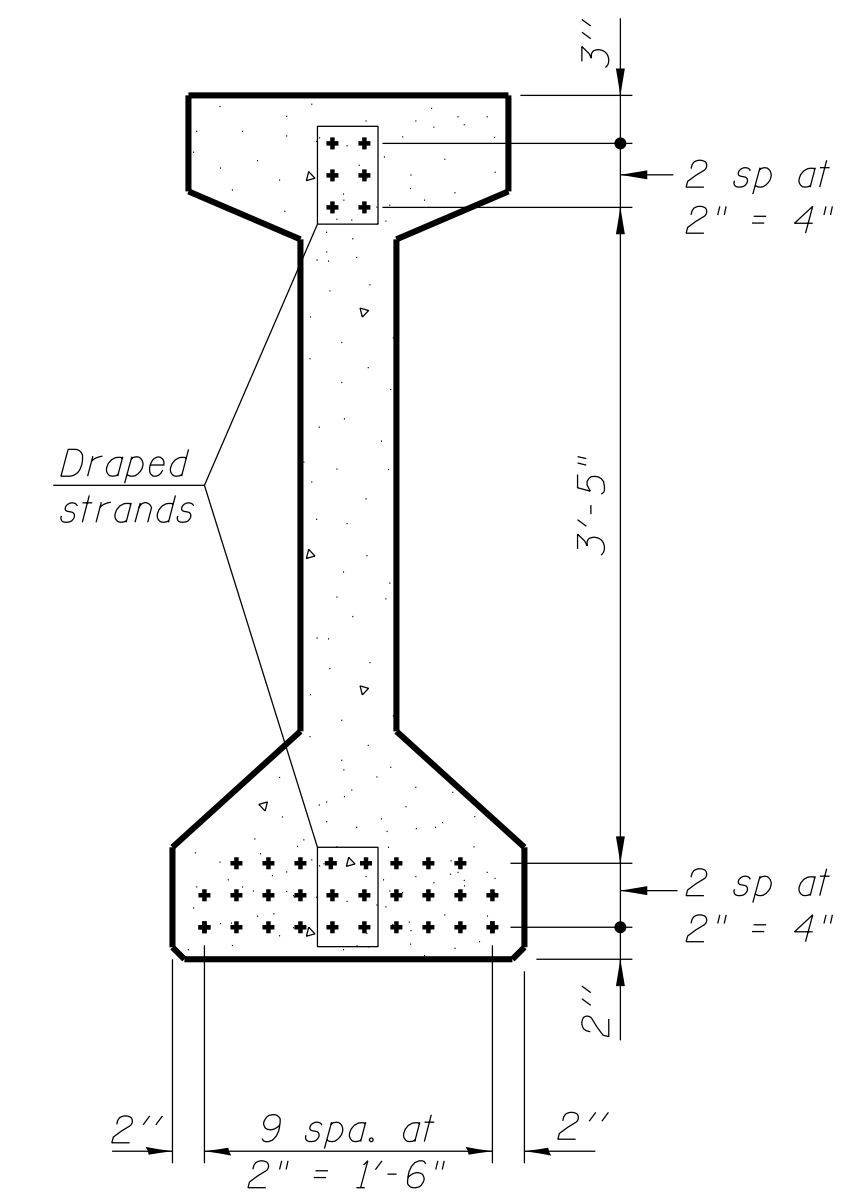
SECTION B-B

Note A:
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
G ₁ (E)	136	#4	10'-7"	U
G ₂ (E)	14	#4	8'-8"	U
G ₃ (E)	8	#7	44'-9"	I
G ₄ (E)	38	#3	4'-11"	U
G ₅ (E)	87	#3	3'-5"	U

Notes:
See sheet 16 of 20 for additional details and Bill of Material.



SECTION C-C

(- 1/2" ϕ 270 ksi strands)

FILE NAME = I:\municipalities\maccon county\6151 ch 57 over tributary to big creek\CADD\Structural\beam01.scdgn

PI-4-54

1-28-16

USER NAME = rkocher	DESIGNED JMB	REVISED -
PLOT TIME = 10:26:19 AM	DRAWN RLK	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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CH 57 OVER TRIBUTARY TO BIG CREEK
54" PPC I-BEAM

SCALE: SHEET NO. 15 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	45
STRUCTURE NO. 058-3403				

ILLINOIS FED. AID PROJECT

NOTES

Inserts for $\frac{3}{4}$ " ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area shall be 0.153 sq. in.

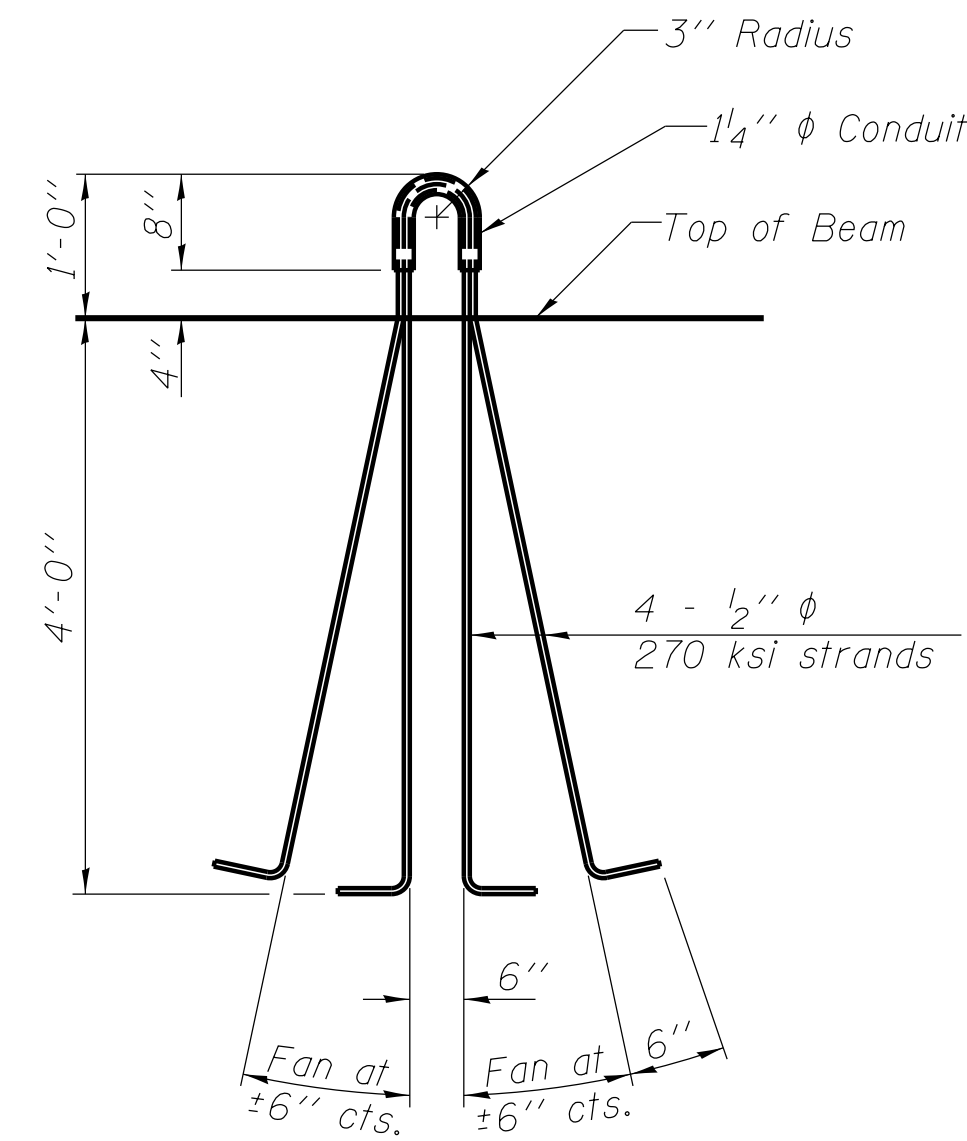
The beams shall have a final concrete compressive strength, $f'c$, of 6,000 psi and a release concrete compressive strength, $f'ci$, of 5,000 psi.

A minimum $2\frac{1}{2}$ " ϕ lifting pin shall be used to engage the lifting loops during handling. The top and bottom plates shall be AASHTO M270 Grade 50.

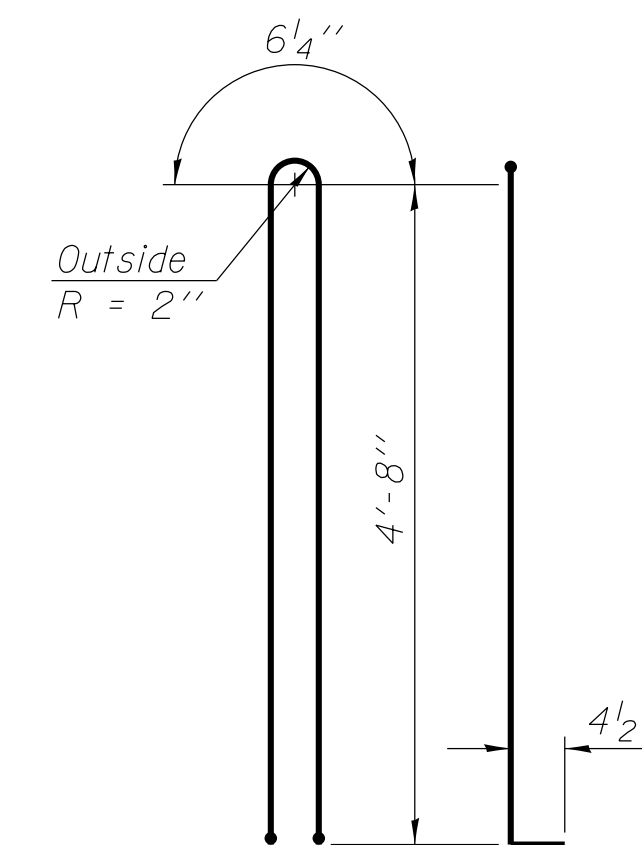
The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

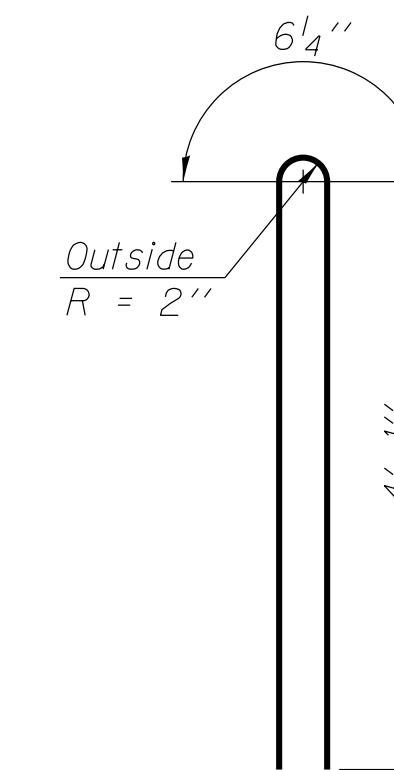
Beams shall not be released from the fabricator until they have attained 45 days of age or older.



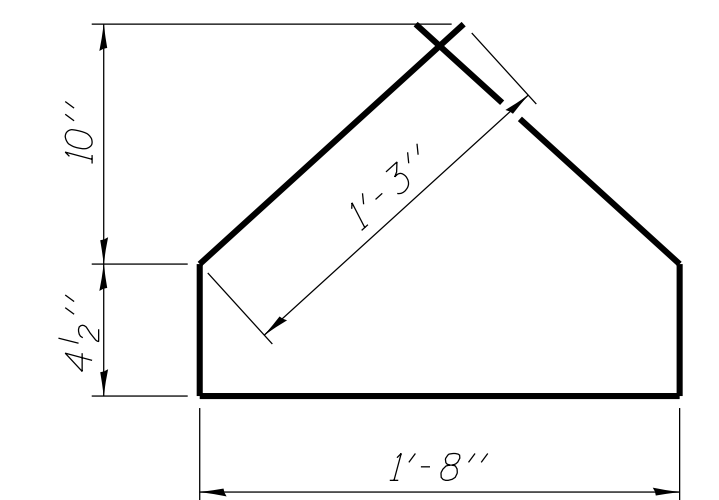
LIFTING LOOP DETAIL



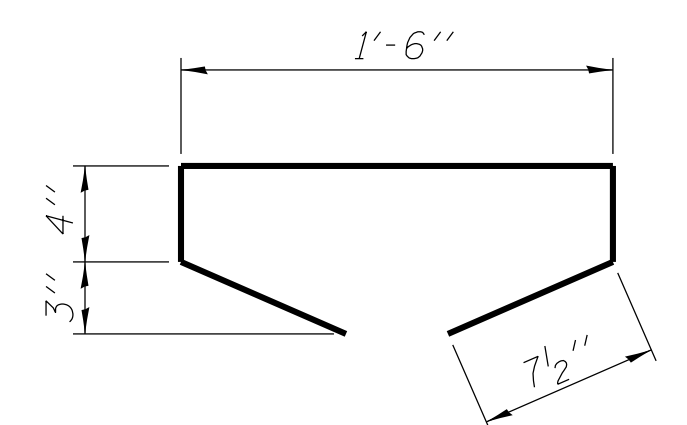
BAR G1(E)



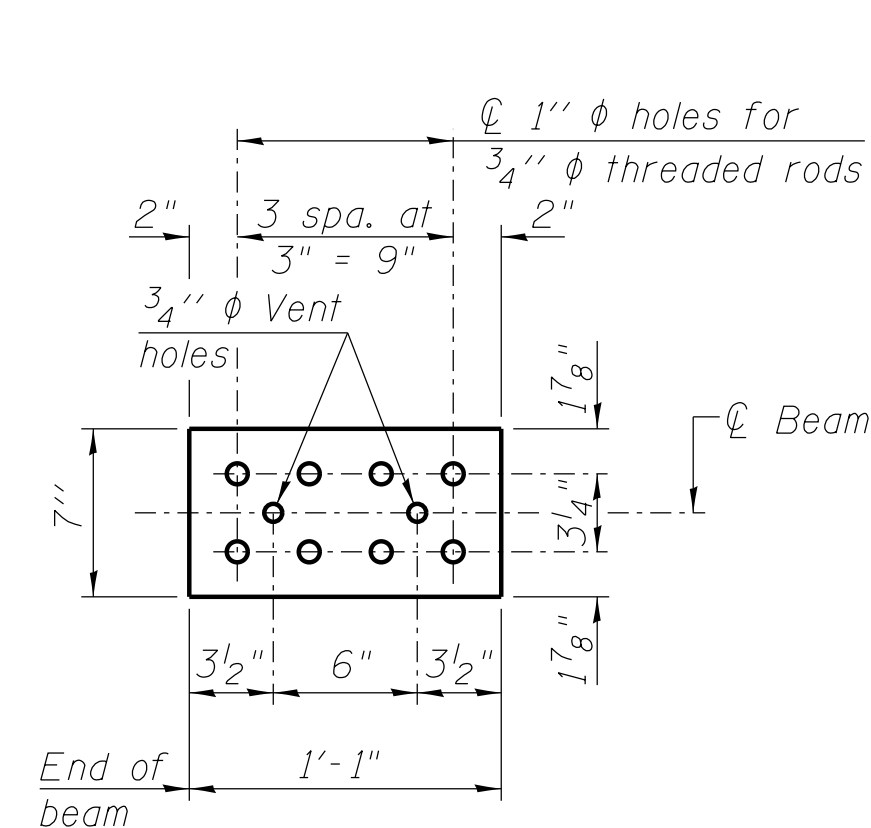
BAR G2(E)



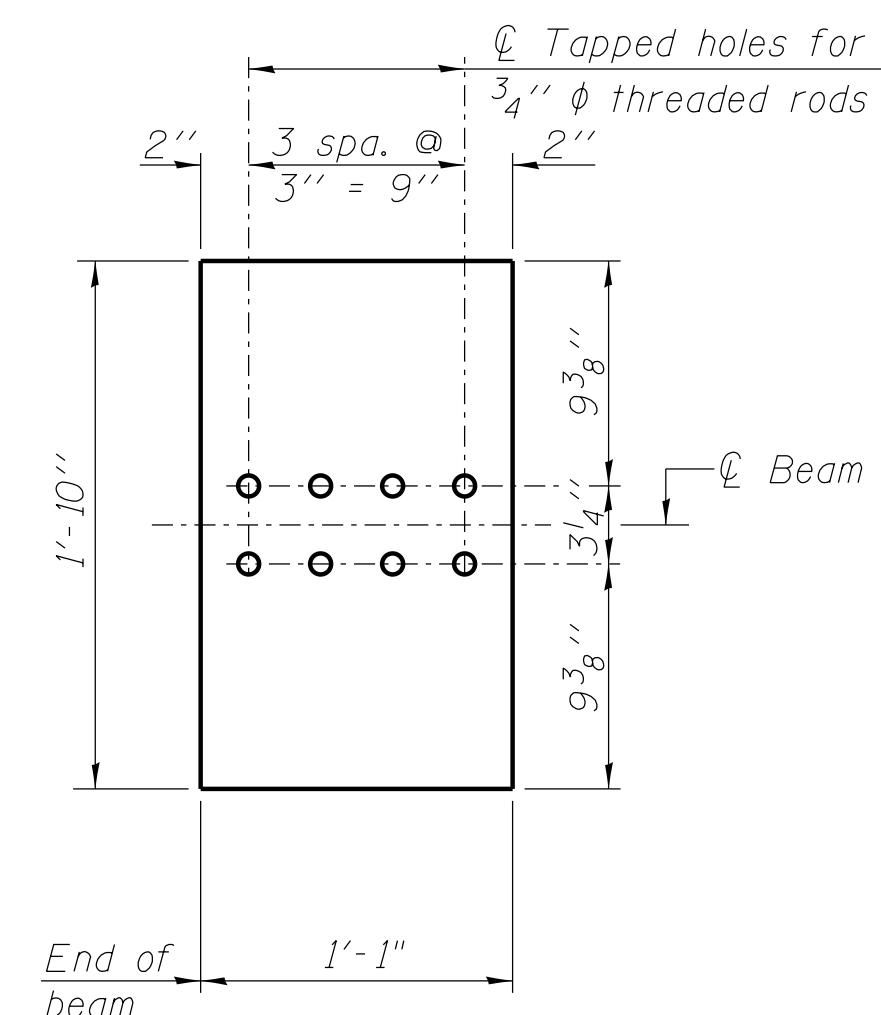
BAR G4(E)



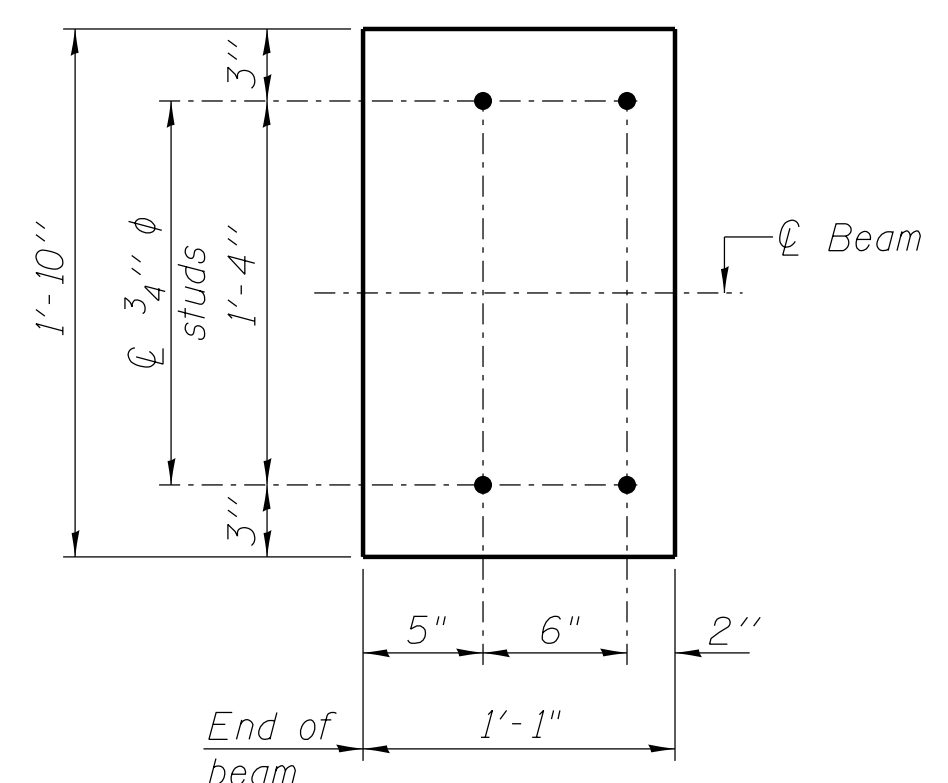
BAR G5(E)



TOP PLATE



BOTTOM PLATE
(Showing threaded rods)



BOTTOM PLATE
(Showing studs)

See bearing details for pintle hole locations when required.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 54"	Ft.	690

FILE NAME = I:\municipalities\macon county\6151 ch 57 over tributary to big creek\CADD\Structure\beam\1.scdgn

PI-4-54D

1-28-16

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PLOT SCALE = 1.0000 ' / in.	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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CONSULTING ENGINEERS

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ROCKFORD (815) 489-0050
184-001397

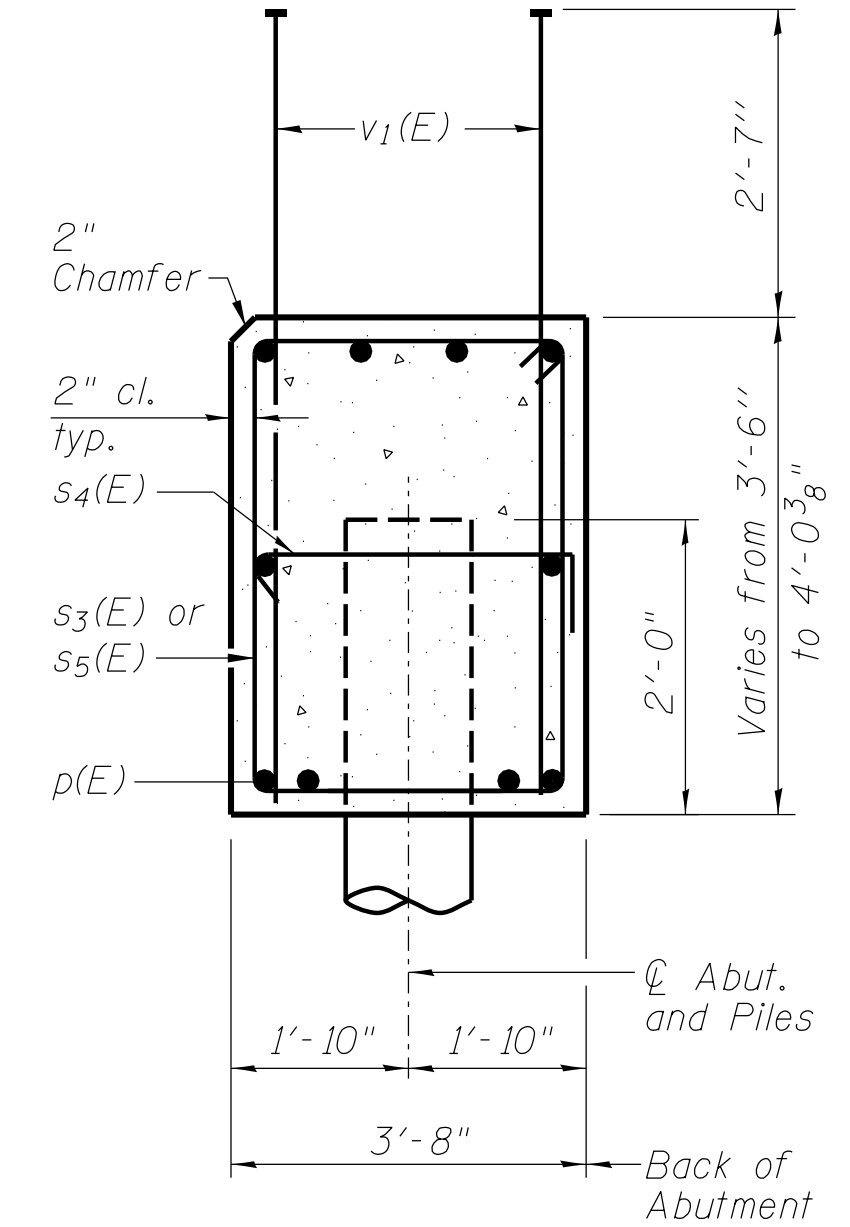
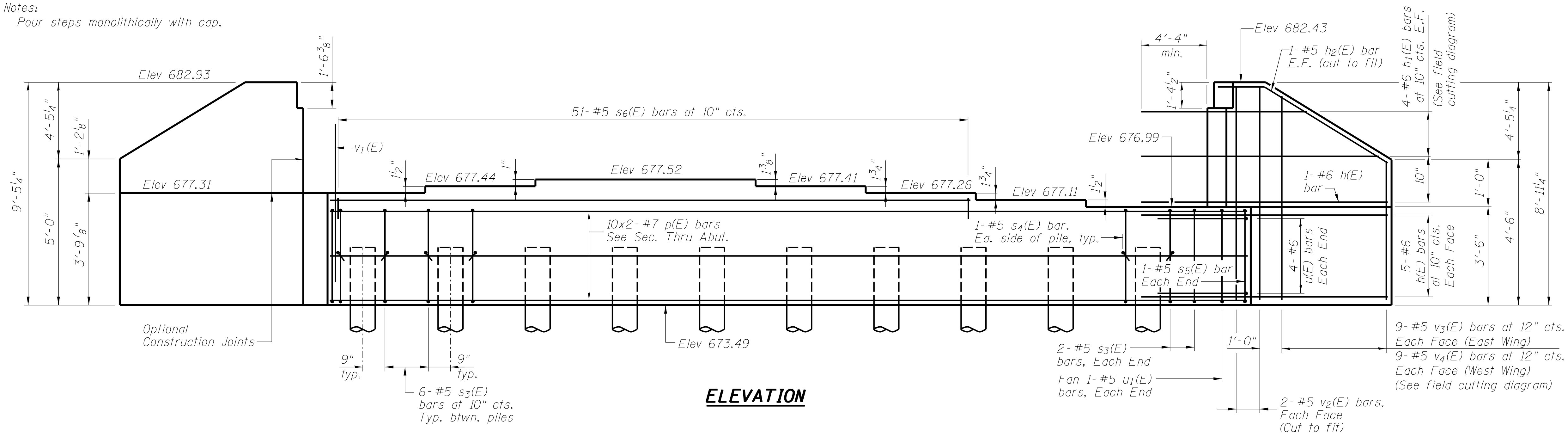
CH 57 OVER TRIBUTARY TO BIG CREEK
54" PPC I-BEAM DETAILS

SCALE: SHEET NO. 16 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	46
STRUCTURE NO. 058-3403				

ILLINOIS FED. AID PROJECT

Notes:
Pour steps monolithically with cap.



SEC. THRU ABUT.
Dimensions at right angles to abutment.

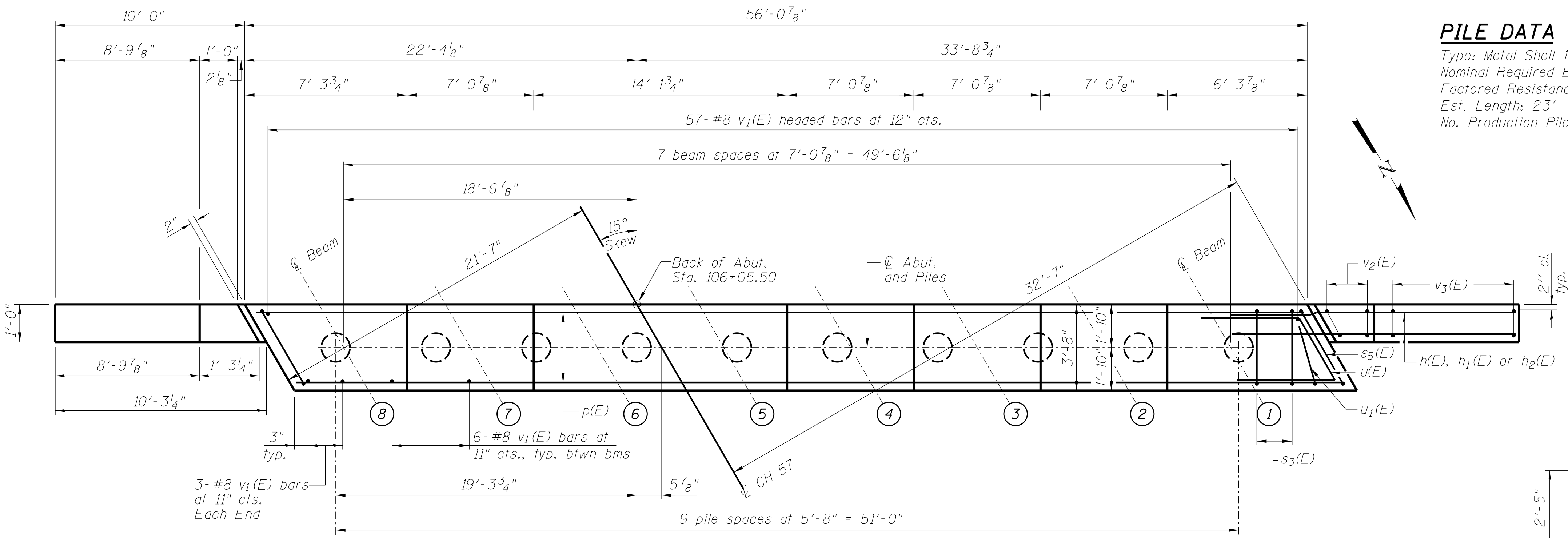
PILE DATA

Type: Metal Shell 14" dia x 0.312 in. walls
Nominal Required Bearing: 356 k
Factored Resistance Available: 196 k
Est. Length: 23'
No. Production Piles: 10

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	14'-5"	▬
h1(E)	8	#6	23'-11"	▬
h2(E)	4	#5	10'-9"	▬
p(E)	20	#7	30'-5"	▬
s3(E)	58	#5	13'-11"	▬
s4(E)	20	#5	4'-4"	▬
s5(E)	2	#5	14'-1"	▬
s6(E)	51	#5	8'-2"	▬
u(E)	8	#6	11'-0"	▬
u1(E)	2	#5	9'-10"	▬
v1(E)	105	#8	5'-11"	▬
v2(E)	8	#5	9'-1"	▬
v3(E)	9	#5	13'-6"	▬
v4(E)	9	#5	12'-6"	▬
Structure Excavation		Cu. Yd.	4	
Concrete Structures		Cu. Yd.	34.6	
Reinforcement Bars, Epoxy Coated		Pound	5620	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	230	
Driving Piles		Foot	230	

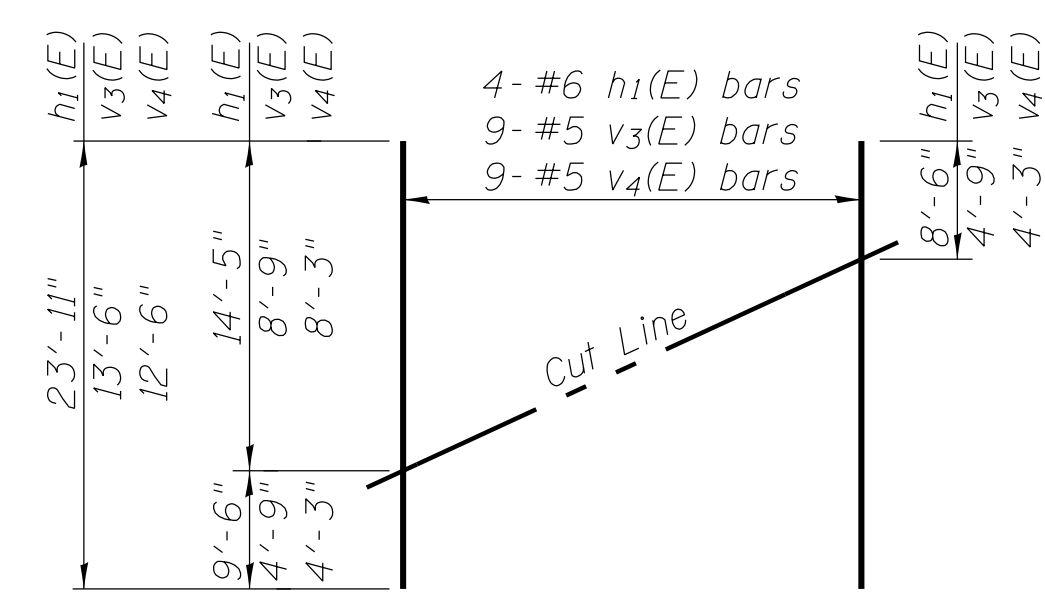
For details of piles see sheet 19 of 20.



PLAN

MIN BAR LAP
#7 bar = 5'-0"

BAR s6(E)



FIELD CUTTING DIAGRAM

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

BAR h2(E)

BAR s3(E) & s5(E)

BAR s4(E)

BAR u(E)

BAR u1(E)

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CH 57 OVER TRIBUTARY TO BIG CREEK
SOUTH ABUTMENT DETAILS

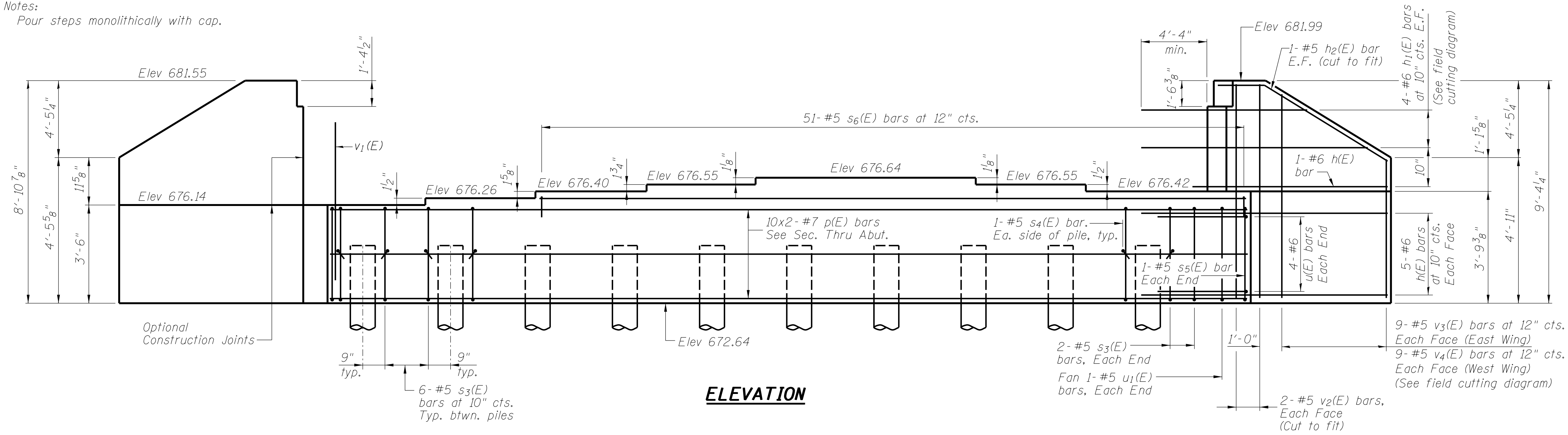
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	47
STRUCTURE NO. 058-3403				

SCALE: SHEET NO. 17 OF 20 SHEETS STA. TO STA.

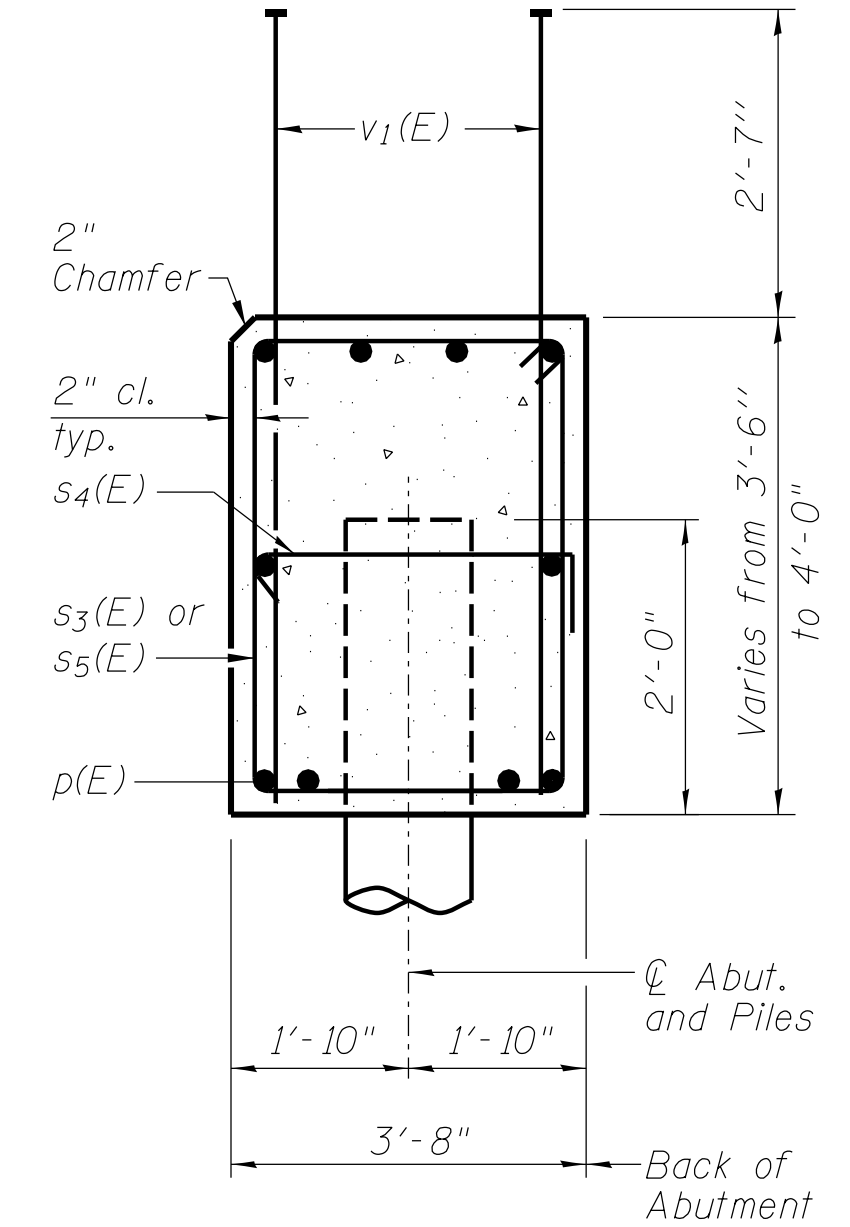
ILLINOIS FED. AID PROJECT

FILE NAME = I:\Municipalities\Macon County\6151 CH 57 over Tributary to Big Creek\CADD\Structural\abut.dgn

Notes:
Four steps monolithically with cap.



ELEVATION



SEC. THRU ABUT.

Dimensions at right angles to abutment.

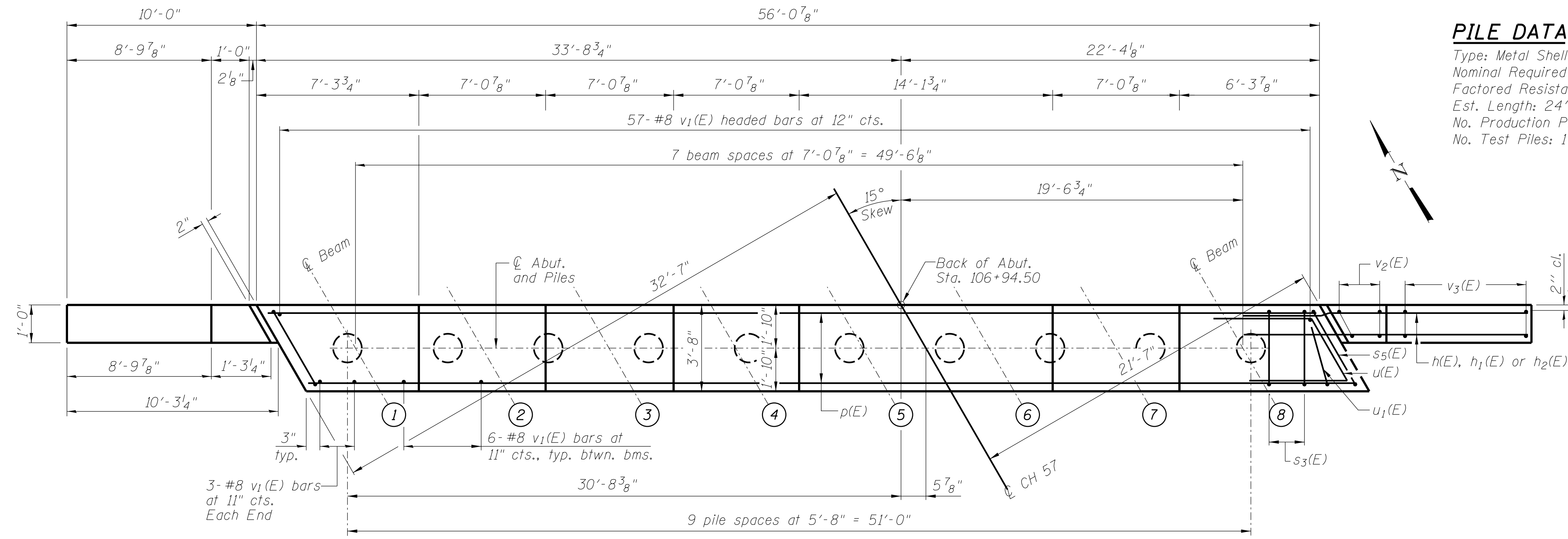
PILE DATA

Type: Metal Shell 14" dia x 0.312 in. walls
Nominal Required Bearing: 356 k
Factored Resistance Available: 196 k
Est. Length: 24'
No. Production Piles: 9
No. Test Piles: 1

BILL OF MATERIAL

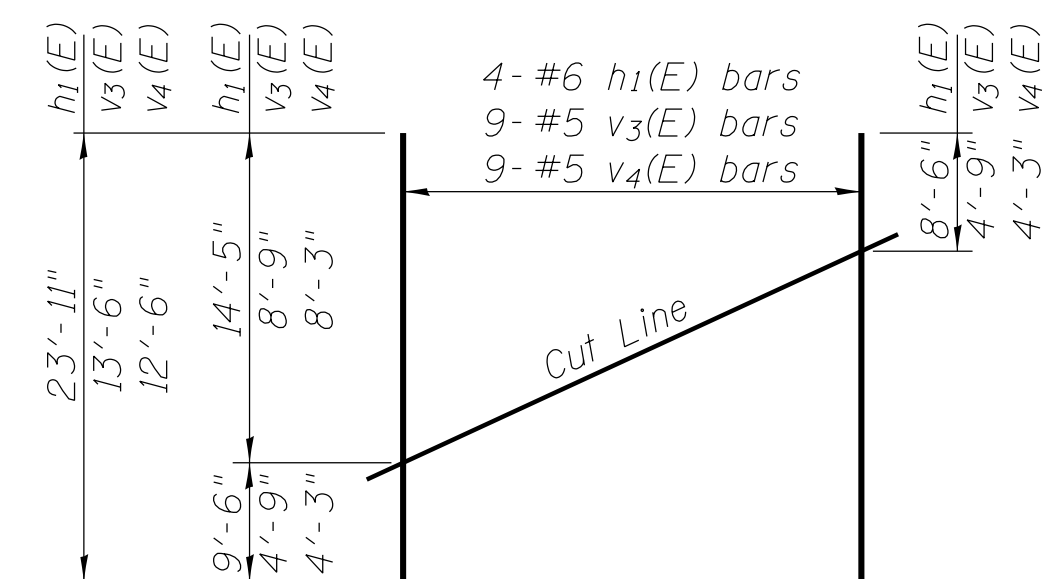
Bar	No.	Size	Length	Shape
h(E)	24	#6	14'-5"	▬
h1(E)	8	#6	23'-11"	▬
h2(E)	4	#5	10'-9"	▬
p(E)	20	#7	30'-5"	▬
s3(E)	58	#5	13'-11"	▬
s4(E)	20	#5	4'-4"	▬
s5(E)	2	#5	14'-1"	▬
s6(E)	51	#5	8'-2"	▬
u(E)	8	#6	11'-0"	▬
u1(E)	2	#5	9'-10"	▬
v1(E)	105	#8	5'-11"	▬
v2(E)	8	#5	9'-1"	▬
v3(E)	9	#5	13'-6"	▬
v4(E)	9	#5	12'-6"	▬
Structure Excavation		Cu. Yd.	10	
Concrete Structures		Cu. Yd.	34.4	
Reinforcement Bars, Epoxy Coated		Pound	5620	
Furnishing Metal Shell Piles 14" x 0.312"		Foot	216	
Driving Piles		Foot	216	
Test Pile Metal Shell		Each	1	

For details of piles see sheet 19 of 20.



PLAN

MIN BAR LAP
#7 bar = 5'-0"



FIELD CUTTING DIAGRAM

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

FILE NAME = I:\municipalities\maccon county\6151_ch 57 over tributary to big creek\CADD\Structural\abut.dgn

USER NAME = rkocher	DESIGNED JMB	REVISED -
PLOT TIME = 10:26:20 AM	DRAWN RLK	REVISED -
PLOT SCALE = 2.6667' / 1"	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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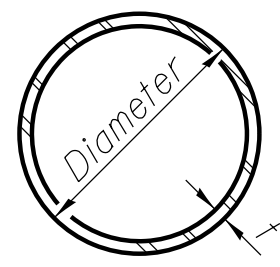
DECATUR (217) 422-8544
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184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
NORTH ABUTMENT DETAILS

SCALE: SHEET NO. 18 OF 20 SHEETS STA. TO STA.

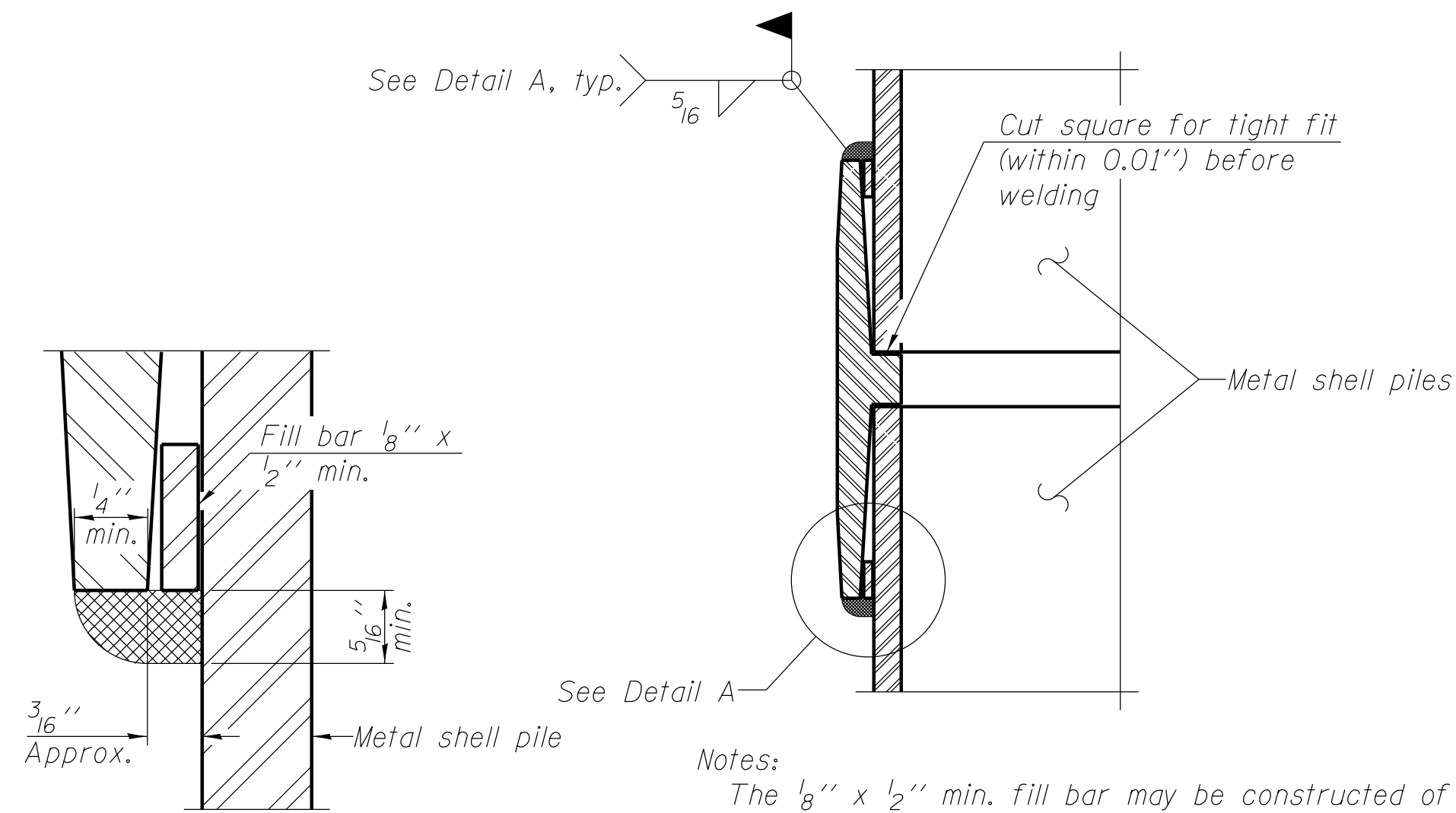
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	48
STRUCTURE NO. 058-3403				

ILLINOIS FED. AID PROJECT



METAL SHELL PILE TABLE

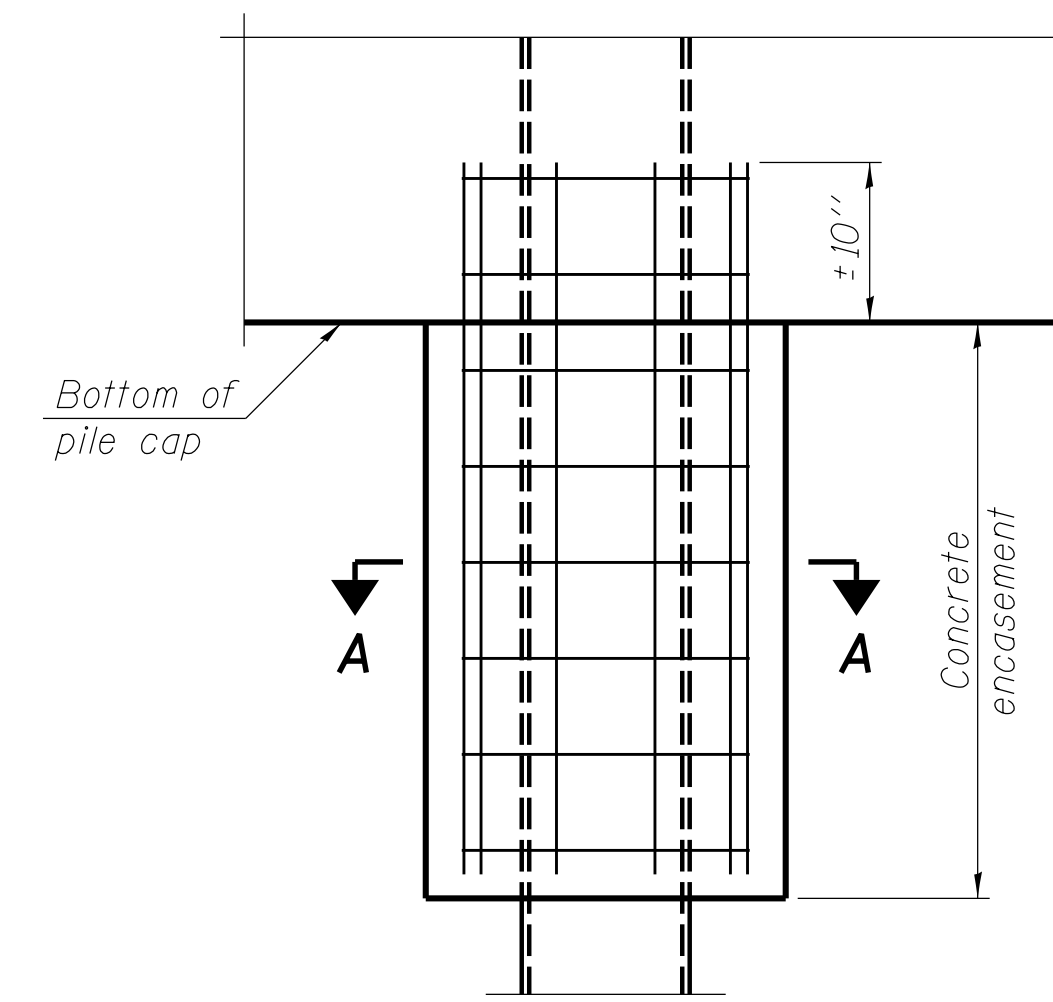
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361



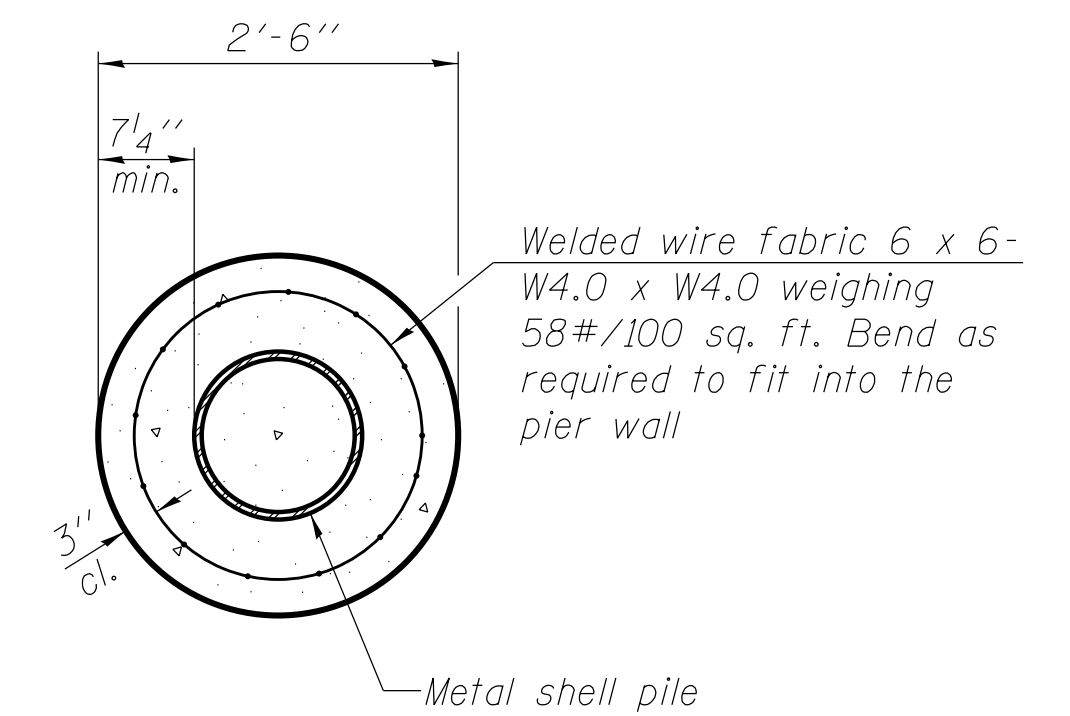
DETAIL A

Notes:
 The $\frac{1}{8}$ " x $\frac{1}{2}$ " min. fill bar may be constructed of 2 bars with a $\frac{1}{8}$ " max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



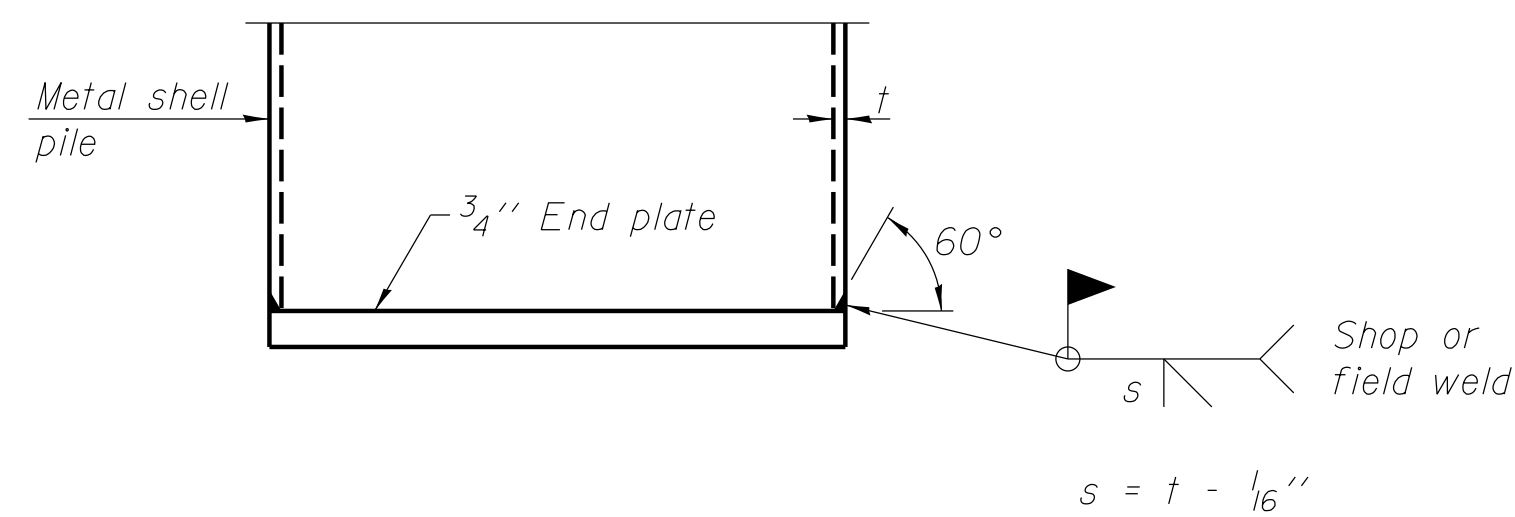
ELEVATION



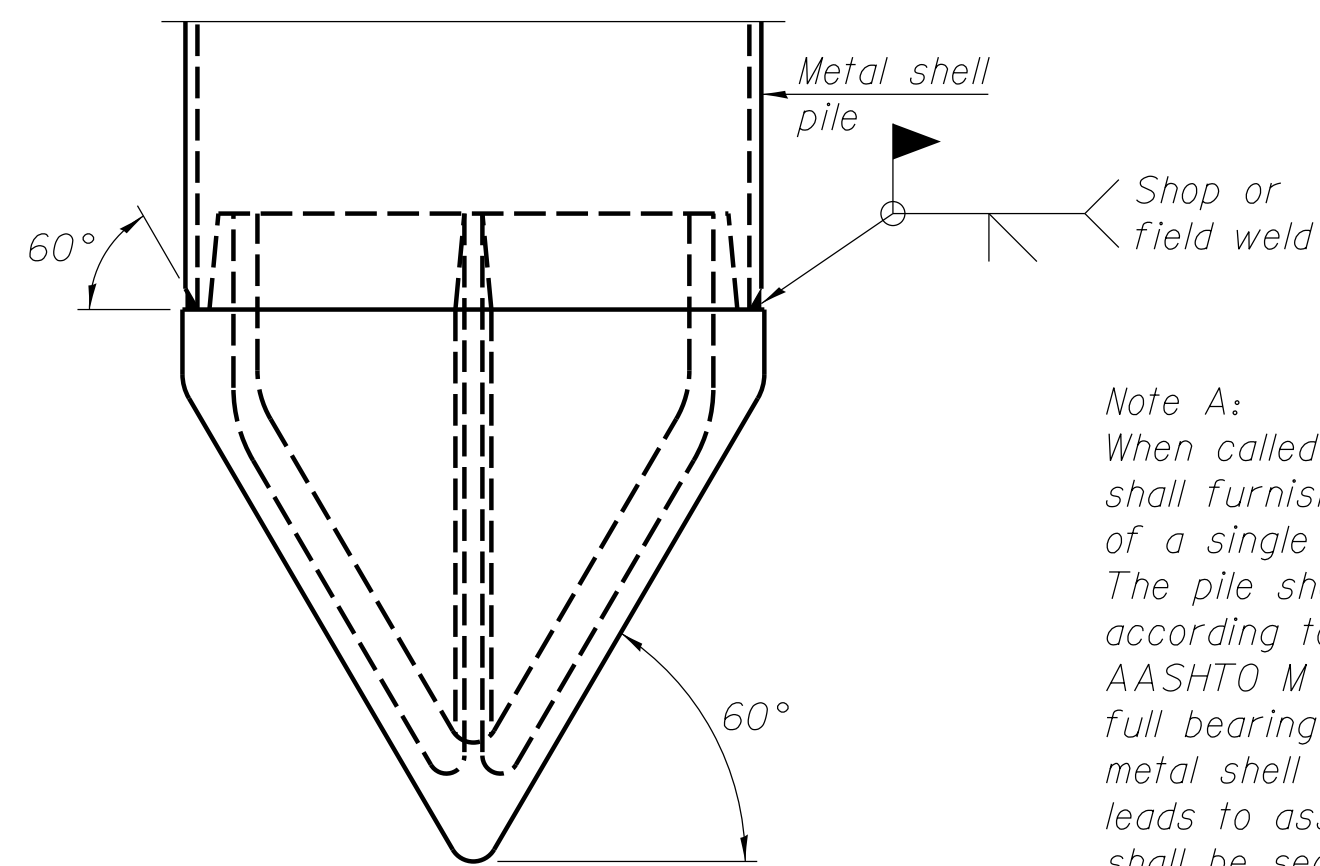
SECTION A-A

Note:
 Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



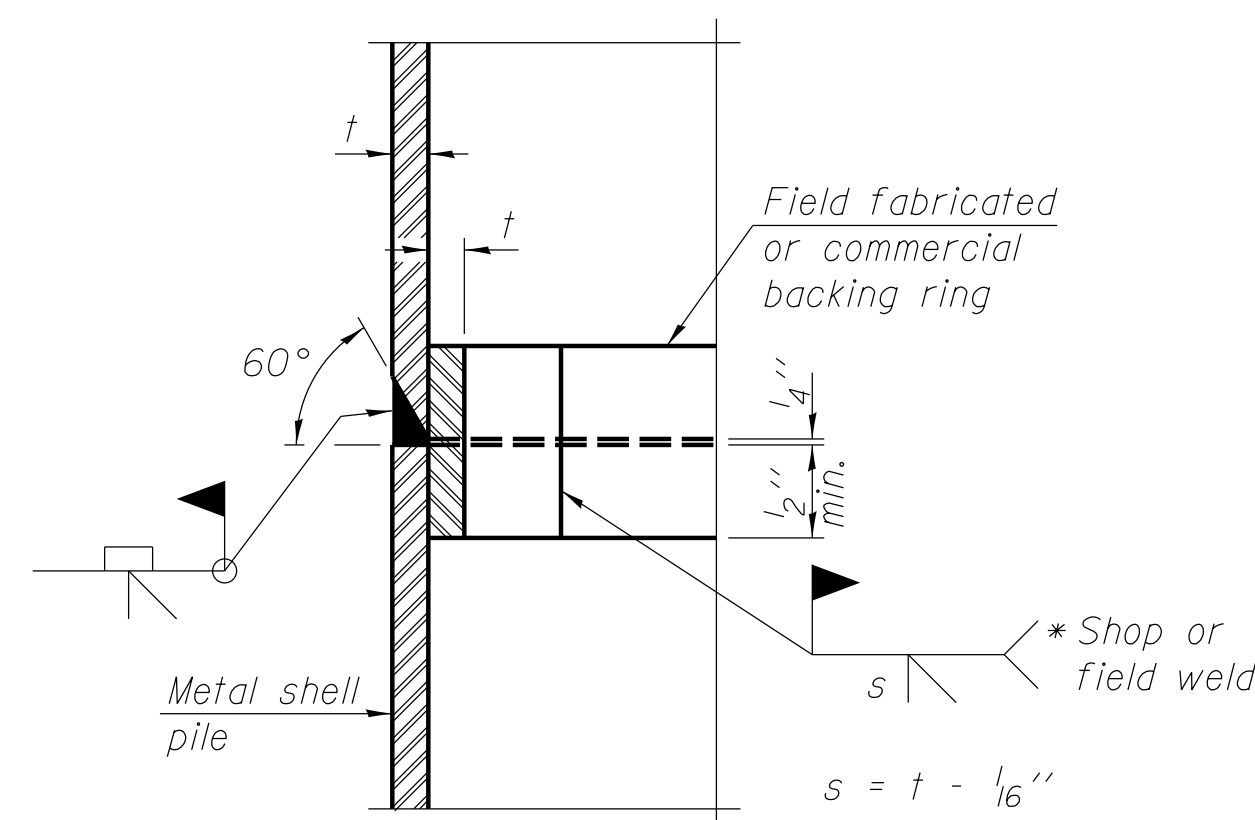
END PLATE ATTACHMENT



Note A:
 When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

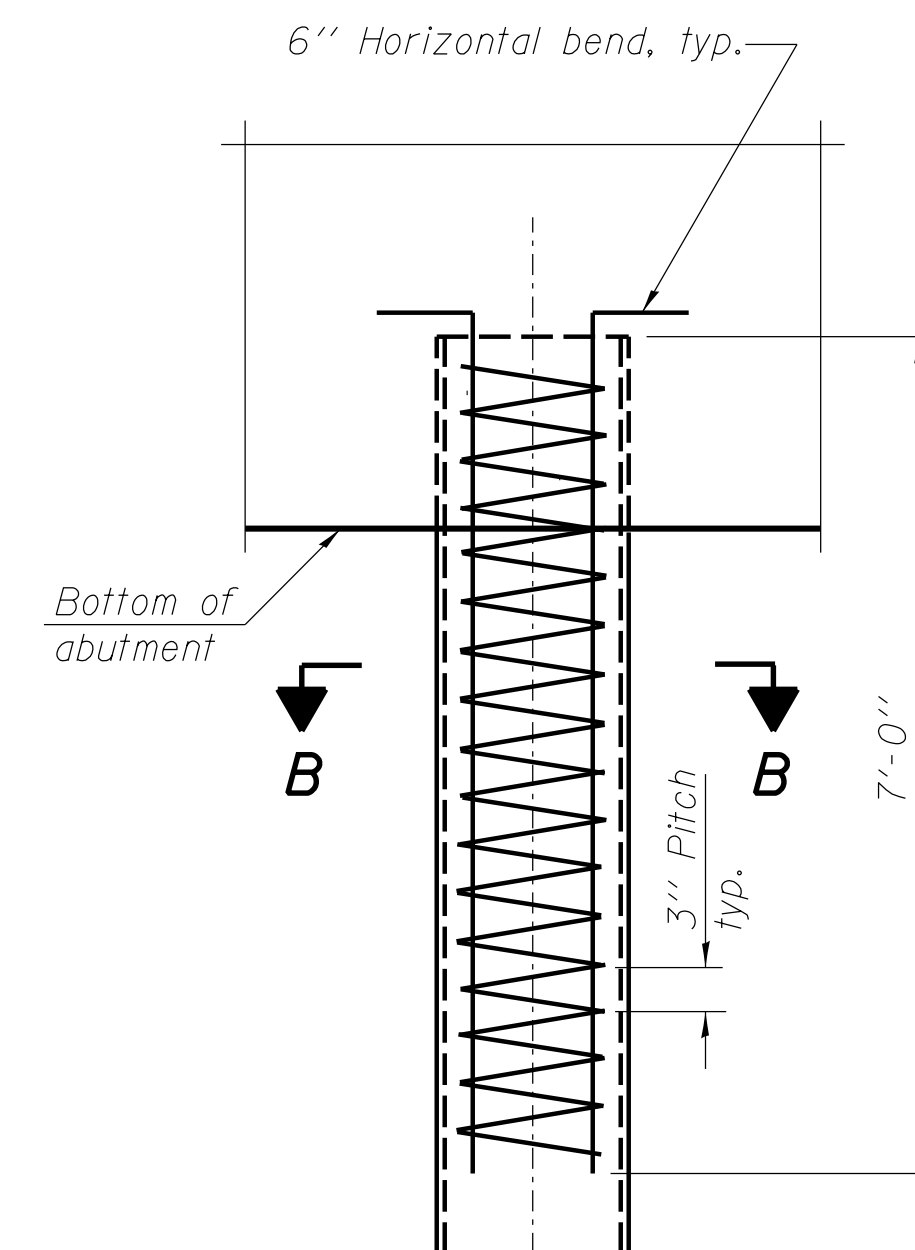
METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

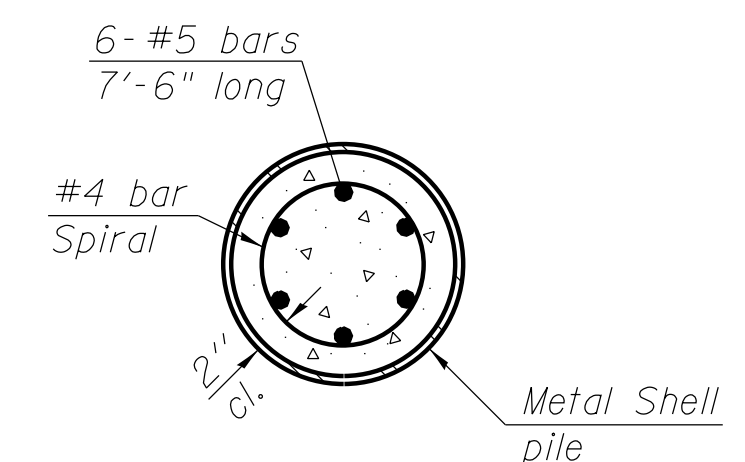


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:
 The metal shell piles shall be according to ASTM A 252 Grade 3.

FILE NAME = I:\municipalities\macon county\6151_ch 57_over_tributary_to_big_creek\CADD_Structure\piles.dgn

F-MS

1-27-12

USER NAME = rkocher	DESIGNED JMB	REVISED -
PLOT TIME = 10:26:20 AM	DRAWN RLK	REVISED -
PLOT SCALE = 1.0000 "/> <td>CHECKED ACB</td> <td>REVISED -</td>	CHECKED ACB	REVISED -
PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -

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 ROCKFORD (815) 489-0050
 184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK
METAL SHELL PILE DETAILS

SCALE: SHEET NO. 19 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	49
STRUCTURE NO. 058-3403				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Page 1 of 1
Project #: 414432
Date 01/16/15

ROUTE 85TH ST DESCRIPTION MACON CO. BRIDGE BORINGS LOGGED BY BG, CH
SECTION LOCATION CH 57 (DALTON CITY BLACKTOP), LONGCREEK, ILLINOIS

COUNTY MACON STRUCTURE NO. (Exist) X (Prop.)
BORING NO. B-1 DRILLING METHOD HOLLOW STEM HAMMER TYPE 140# SAFETY HAMMER

Station 1+64
Offset R4.9
Ground Surface Elev. 674.1 (ft.)

SOIL DESCRIPTION	(ft.)	(ft.)	/6"	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	/6"	(tsf)	(%)
8" ASPHALT						Dark Gray, saturated, medium dense, fine-medium, trace gravel -dense	10	35	15		13.2
CLAY LOAM - A-6 Dark Brown, very moist, very stiff, low plasticity, some sand -hard	6	10		3.2	18.8	LOAMY SAND - A-2-4 Gray, saturated, dense, fine-medium	19	7	12	7	14.4
-very stiff	5	10			18.7	SAND - A-3 Gray, saturated, dense, fine-medium -medium dense	12	40	13		
CLAY LOAM - A-6 Dark Brown, very moist, stiff, low plasticity, with sand	8	10			22.2	SANDY LOAM - A-2-4 Gray, saturated, dense, fine-medium	10	14	13		
CLAY LOAM - A-6 Brown, very moist, stiff, low plasticity, some sand, trace gravel (*)free water @ 14.5' (EL 88.53) -hard	7	8		2.0	16.4	SAND - A-1-b Gray, saturated, dense, fine-coarse, trace gravel -very dense	14	45	9	1.2	22.0
CLAY LOAM - A-6 Gray, very moist, hard, low plasticity, some sand, trace gravel -very stiff	4	6			16.4	END OF BORING @ 51.0 FT.	18	9	14		
-hard	15	7			12.5		17	50	20		
	11	15		3.7	11.7		30	30.5			
	20	10			15.6		55				
	9	15		3.3	22.0						
	25	10			12.3		60				
	14	21			11.4						
	30	13		4.6	11.4						
	3	7			16.0						
SANDY LOAM - A-2-4											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The Standard Penetration Test (SPT) N Value is per (AASHTO T206)



SOIL BORING LOG

Page 1 of 1
Project #: 414432
Date 01/15/14

ROUTE 85TH ST DESCRIPTION MACON CO. BRIDGE BORINGS LOGGED BY BG, CH
SECTION LOCATION CH 57 (DALTON CITY BLACKTOP), LONGCREEK, ILLINOIS

COUNTY MACON STRUCTURE NO. (Exist) X (Prop.)
BORING NO. B-2 DRILLING METHOD HOLLOW STEM HAMMER TYPE 140# SAFETY HAMMER

Station 1+13
Offset L7.5
Ground Surface Elev. 674.1 (ft.)

SOIL DESCRIPTION	(ft.)	(ft.)	/6"	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	/6"	(tsf)	(%)
8" ASPHALT						SILTY LOAM - A-4 Dark Brown, very moist, stiff, low plasticity, trace sand	10	35	12	1.2	11.0
CLAY LOAM - A-6 Mottled Brown, very moist, very stiff, low plasticity, little sand, trace gravel -stiff	9	10			13.6	SANDY LOAM - A-2-4 Dark Gray, saturated, dense, fine-medium, trace gravel	7	10	10		17.1
	5	4			24.5	CLAY LOAM - A-6 Gray, very moist, very stiff, low plasticity, little sand, trace gravel	40	7	7		18.3
	5	6			24.3	SANDY LOAM - A-2-4 Gray, saturated, medium dense, fine-medium, trace gravel	4	14	16		
CLAY LOAM - A-6 Dark Brown, very moist, firm, low plasticity, some sand	10	2			27.6	SAND - A-3 Gray, saturated, dense, fine-medium, trace gravel -silt seam	45	23	14	1.5	22.9
SANDY LOAM - A-2-6 Dark Brown, very moist, medium dense, fine-medium (*)free water @ 14.0' (EL 88.4)	7	10			16.8		35	32			
	15	10					50	28			
SAND - A-3 Gray, saturated, dense, fine-coarse	16	16		5.7	11.0	END OF BORING @ 51.0 FT.	40	20-3			
CLAY LOAM - A-6 Gray, very moist, hard, some sand, trace gravel	20	11			12.6						
	12	20		6.6	11.7		55				
	25	11		5.5	10.8		60				
	11	16		4.7	11.9						
	30	9			46.2						
SILT - A-4 Gray, very moist, hard, low plasticity, trace sand, with organics	13	19			16.7						
	2	5		1.5							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

FILE NAME = I:\municipalities\macon county\6151 ch 57 over tributary to big creek\CADD\Structural\borings\adgn

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PLOT DATE = 1/22/2019	DATE 1/14/15	REVISED -



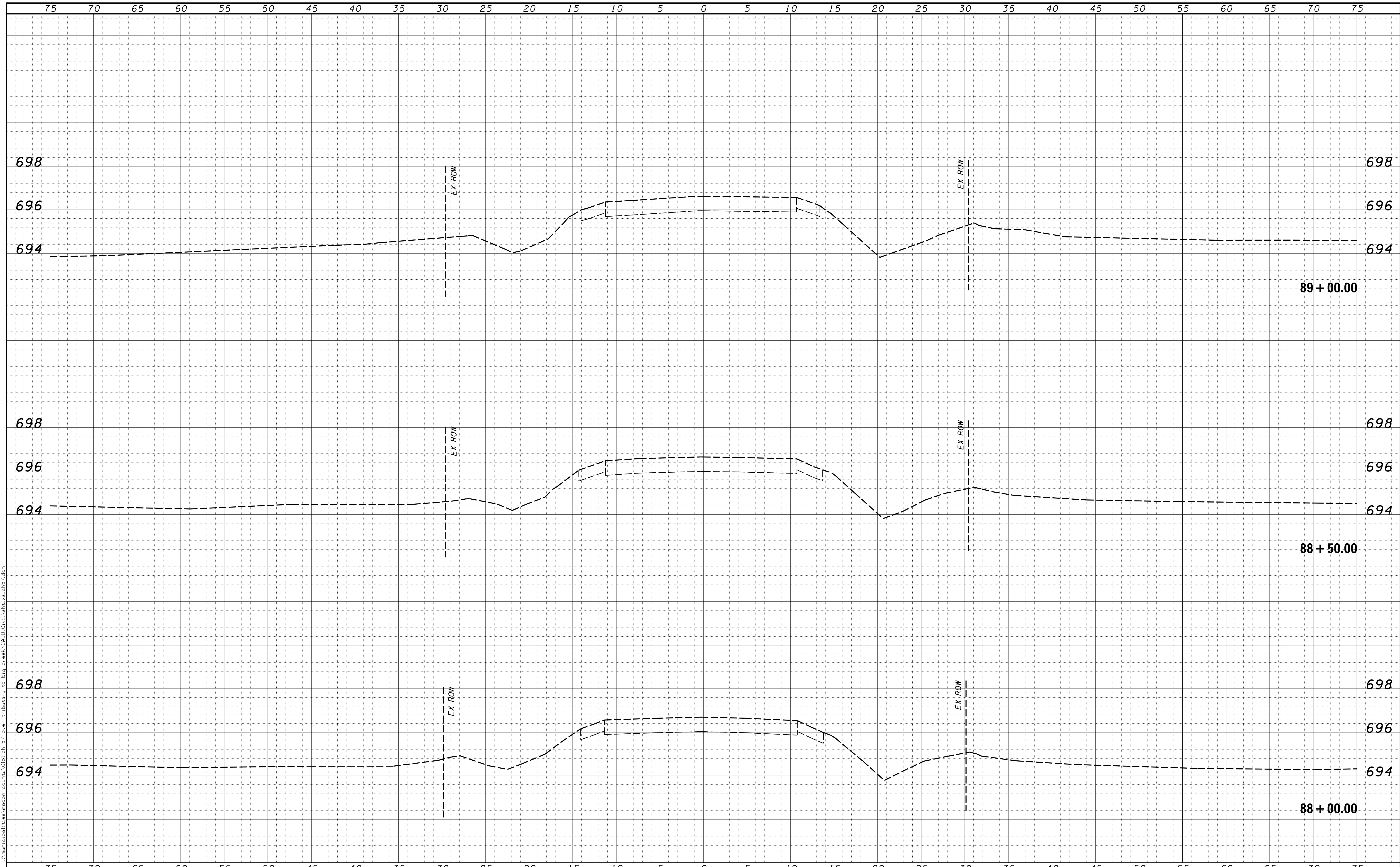
DECATUR (217) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CH 57 OVER TRIBUTARY TO BIG CREEK SOIL BORING LOGS	
SCALE:	SHEET NO. 20 OF 20 SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	116	50
STRUCTURE NO. 058-3403				
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.	

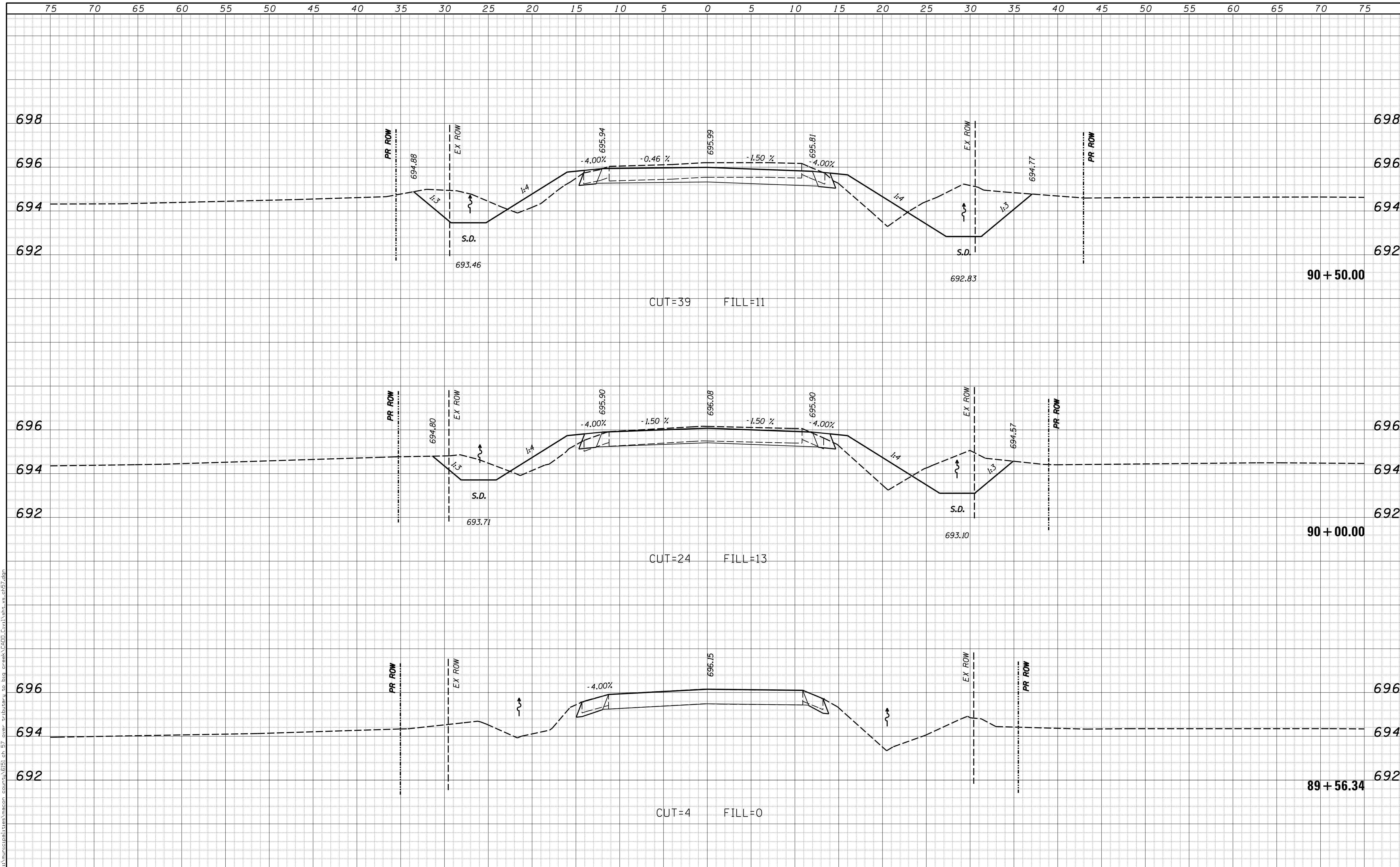


d:\municipalities\macon_county\GIS\cb_57_over_tributary_to_big_creek\CADD\Civil\shk_xs.cb57.dgn

USER NAME = rkocher	DESIGNED -	REVISED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISED -				7413	12-00249-00-BR	MACON	117	51	
PLOT DATE = 1/22/2019	CHECKED -	REVISED -		SCALE: 5'H / 2"V		SHEET NO.	OF SHEETS	STA. 88+00.00 TO STA. 89+00.00	CONTRACT NO. 95798		
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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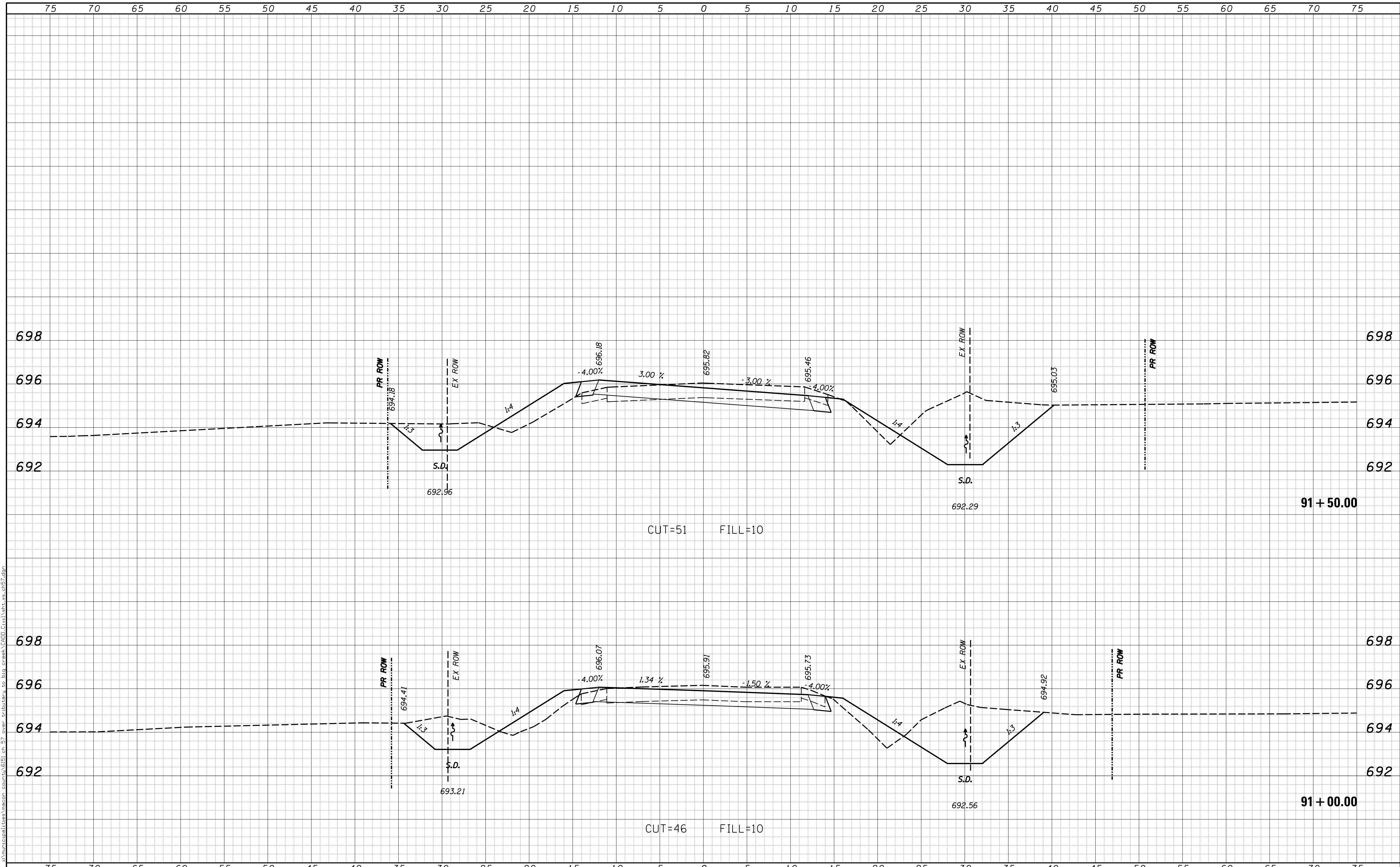
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	52	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 89+56.34	TO STA. 90+50.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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

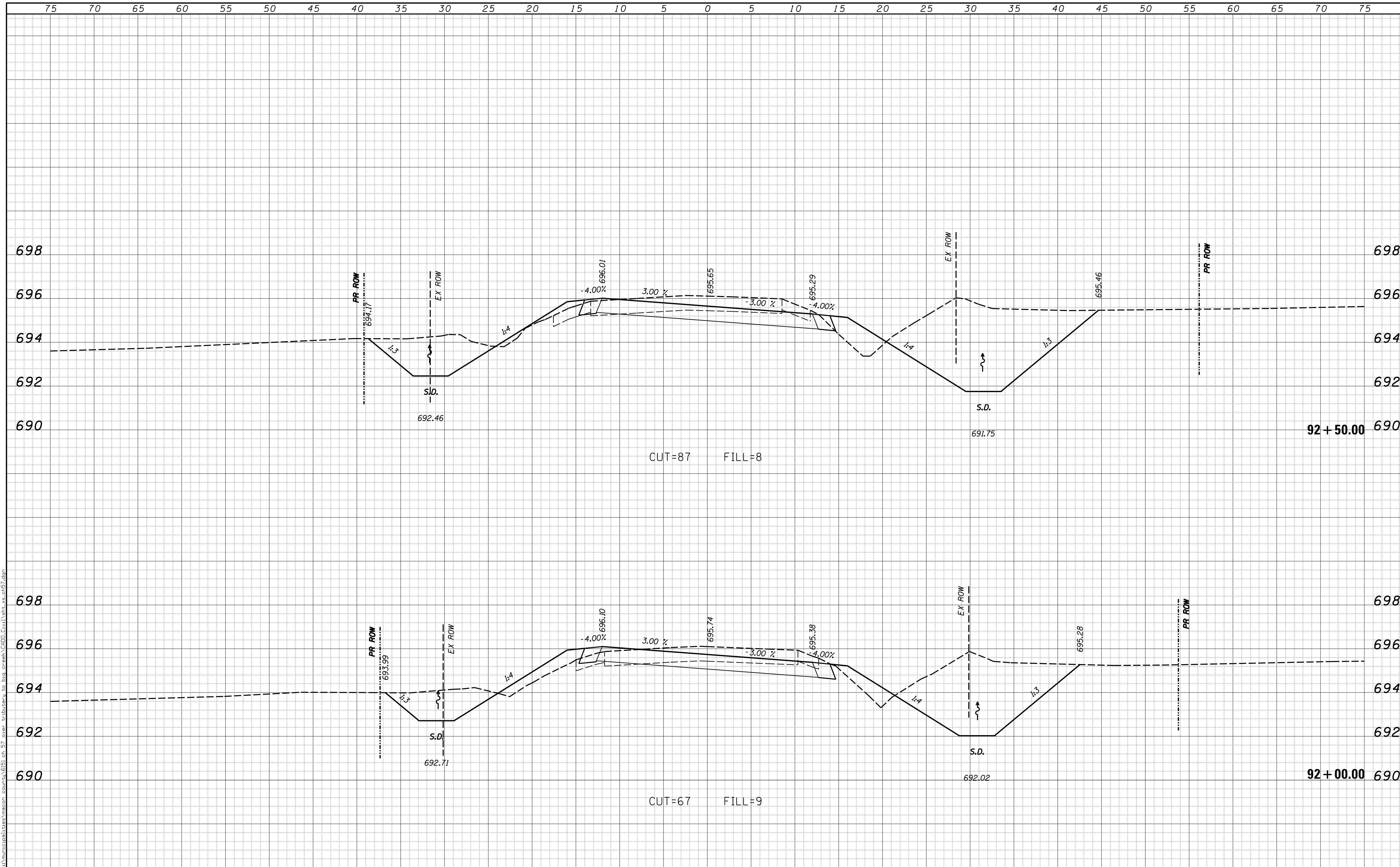
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	TEMPLATE	
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				ILLINOIS FED. AID PROJECT						

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



USER NAME = rkocher	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 1/22/2019	DATE -	REVISIED -

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184-001397

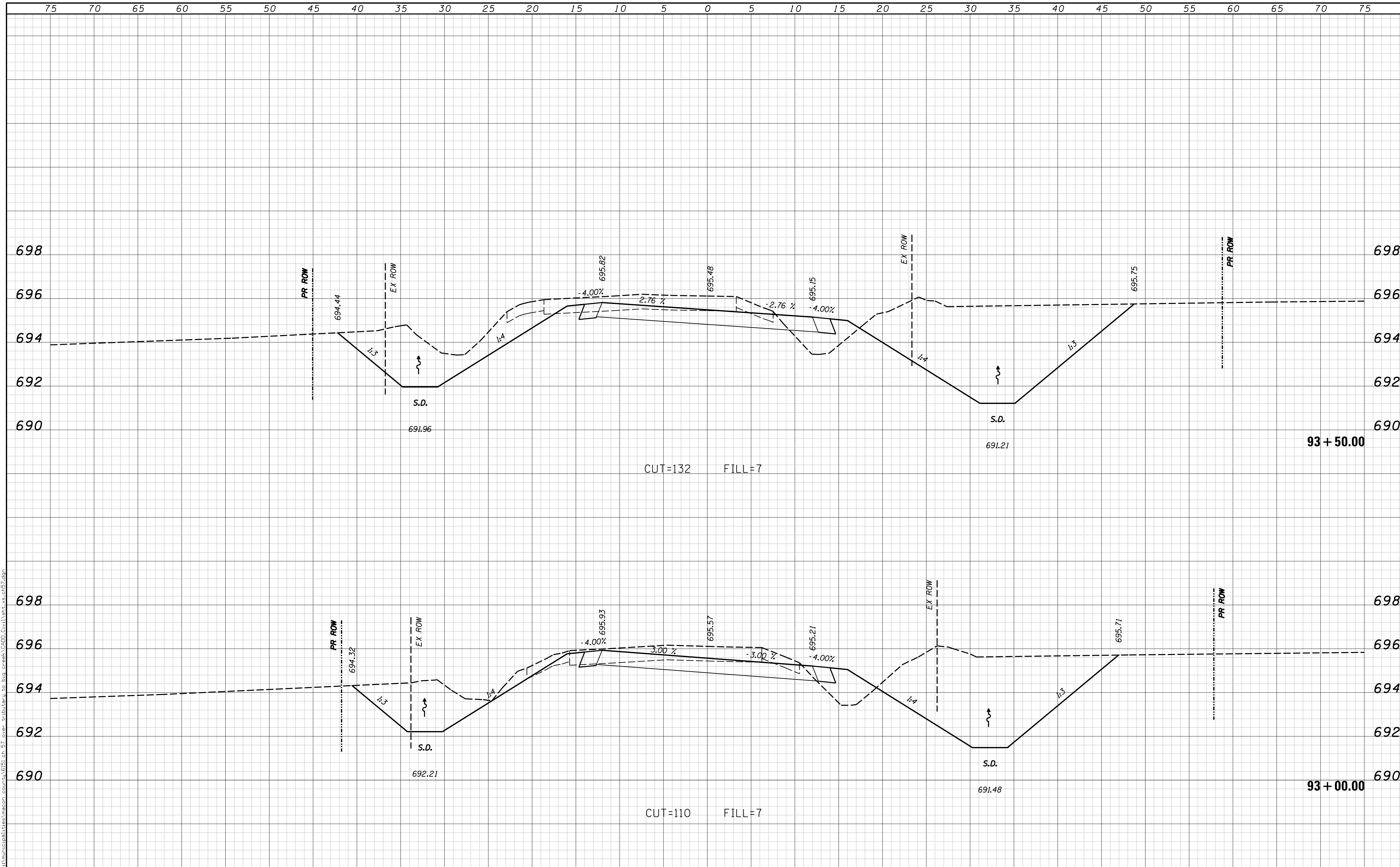
CROSS SECTIONS
COUNTY HIGHWAY 57

SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 92+00.00 TO STA. 92+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	54
CONTRACT NO. 95798			ILLINOIS FED. AID PROJECT	

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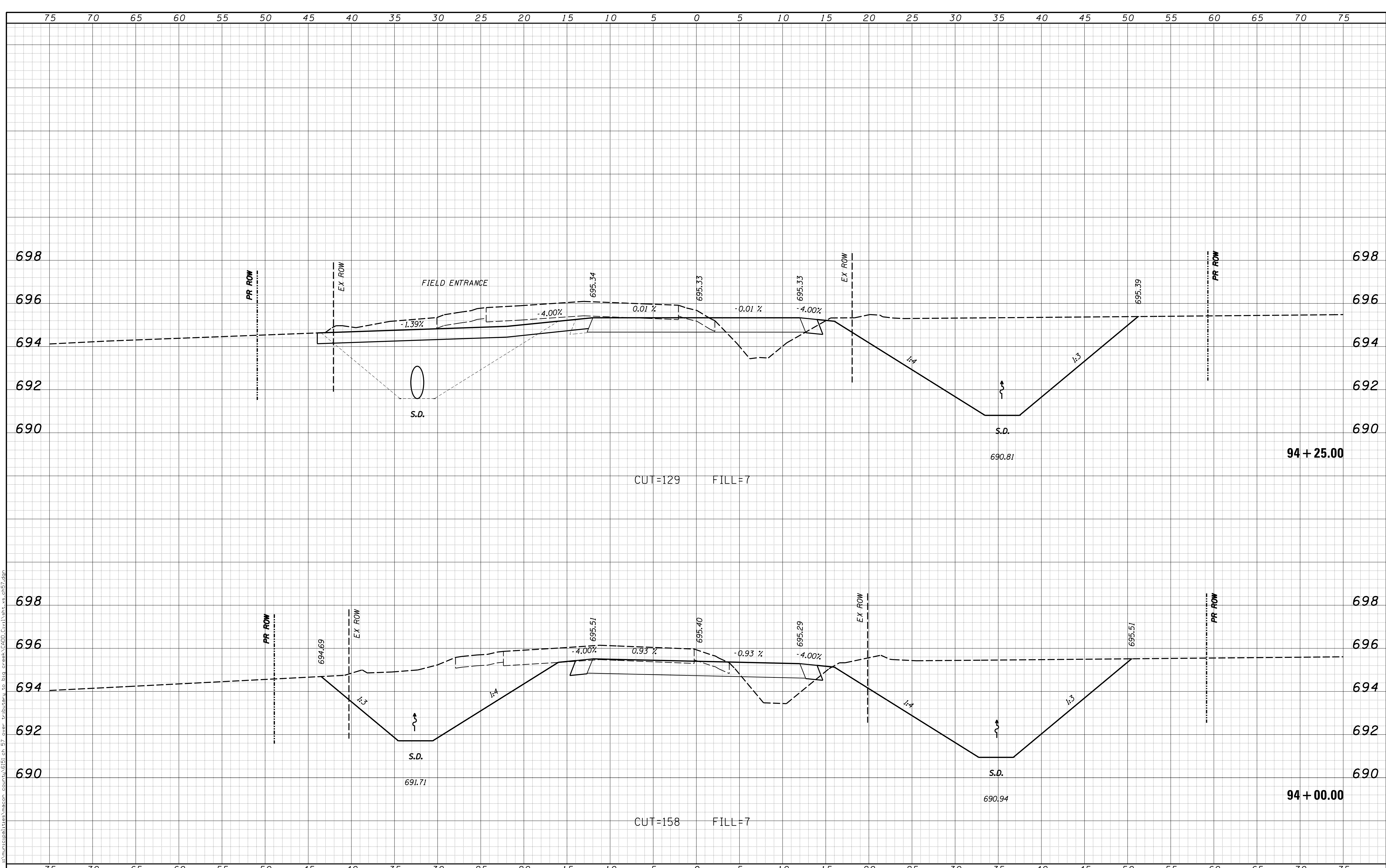
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	55	
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ILLINOIS FED. AID PROJECT											

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

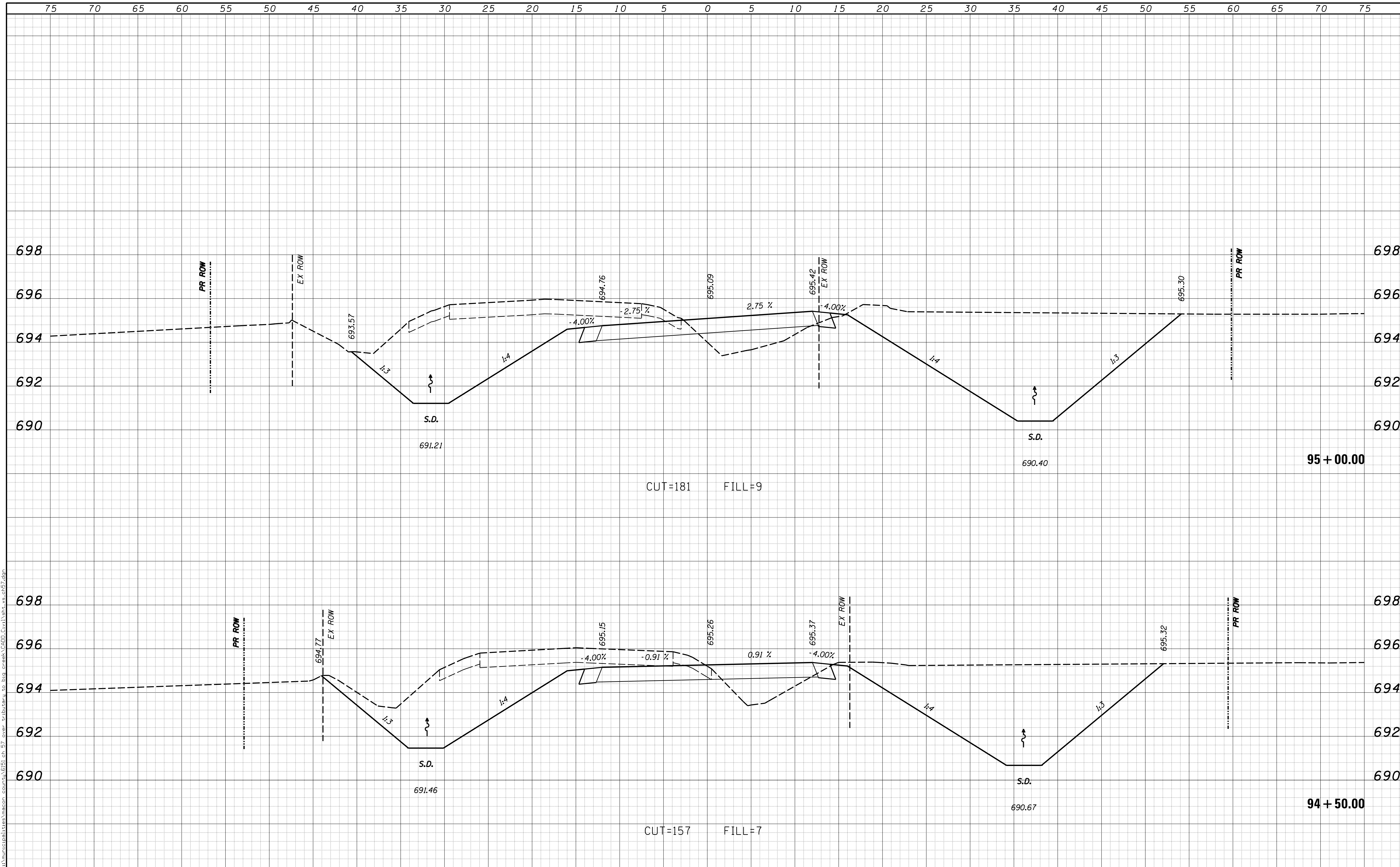
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BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



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	DATE -	REVISIED -									

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
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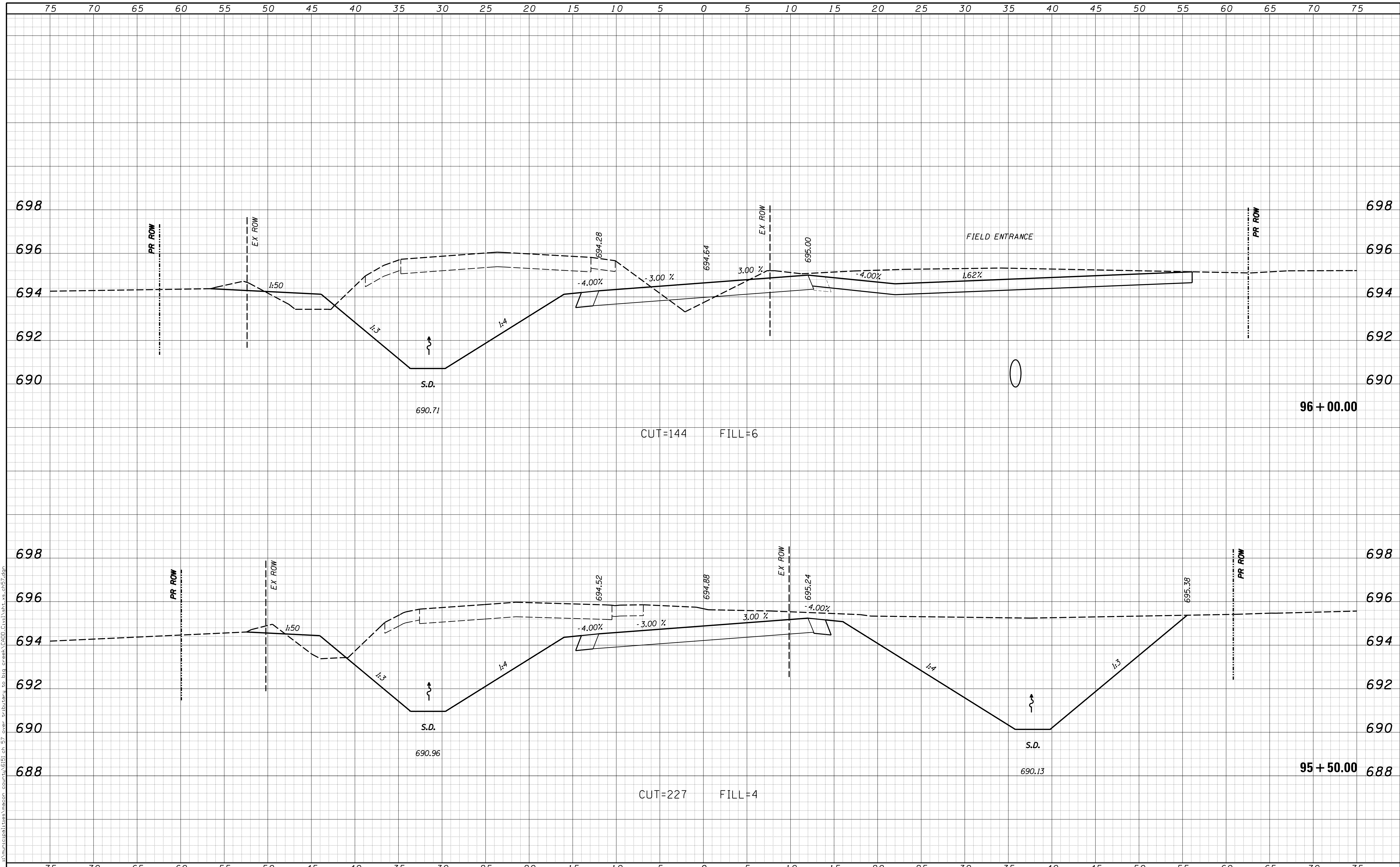
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	57	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 94+50.00	TO STA. 95+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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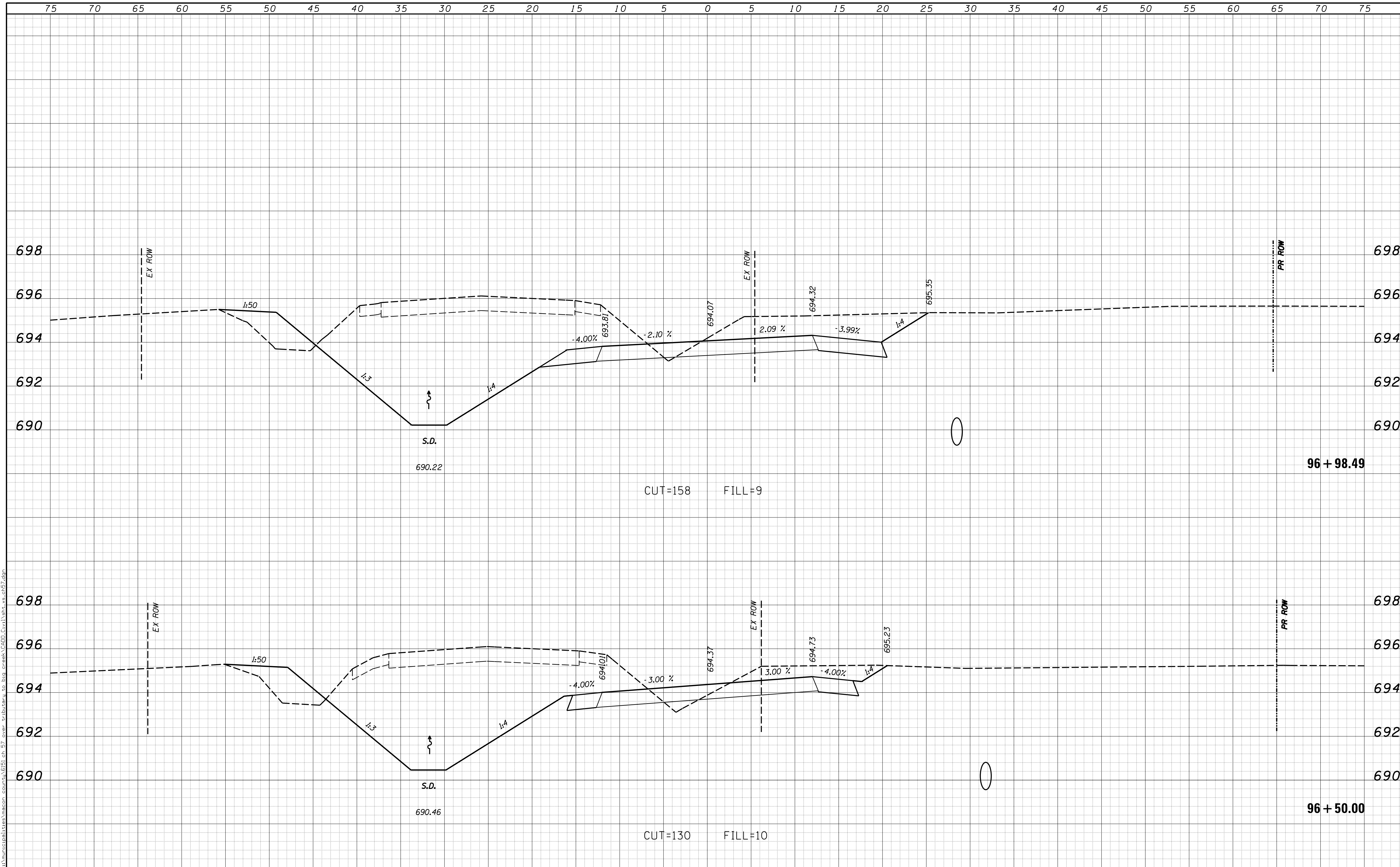
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	58
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 95+50.00	TO STA. 96+00.00
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT						

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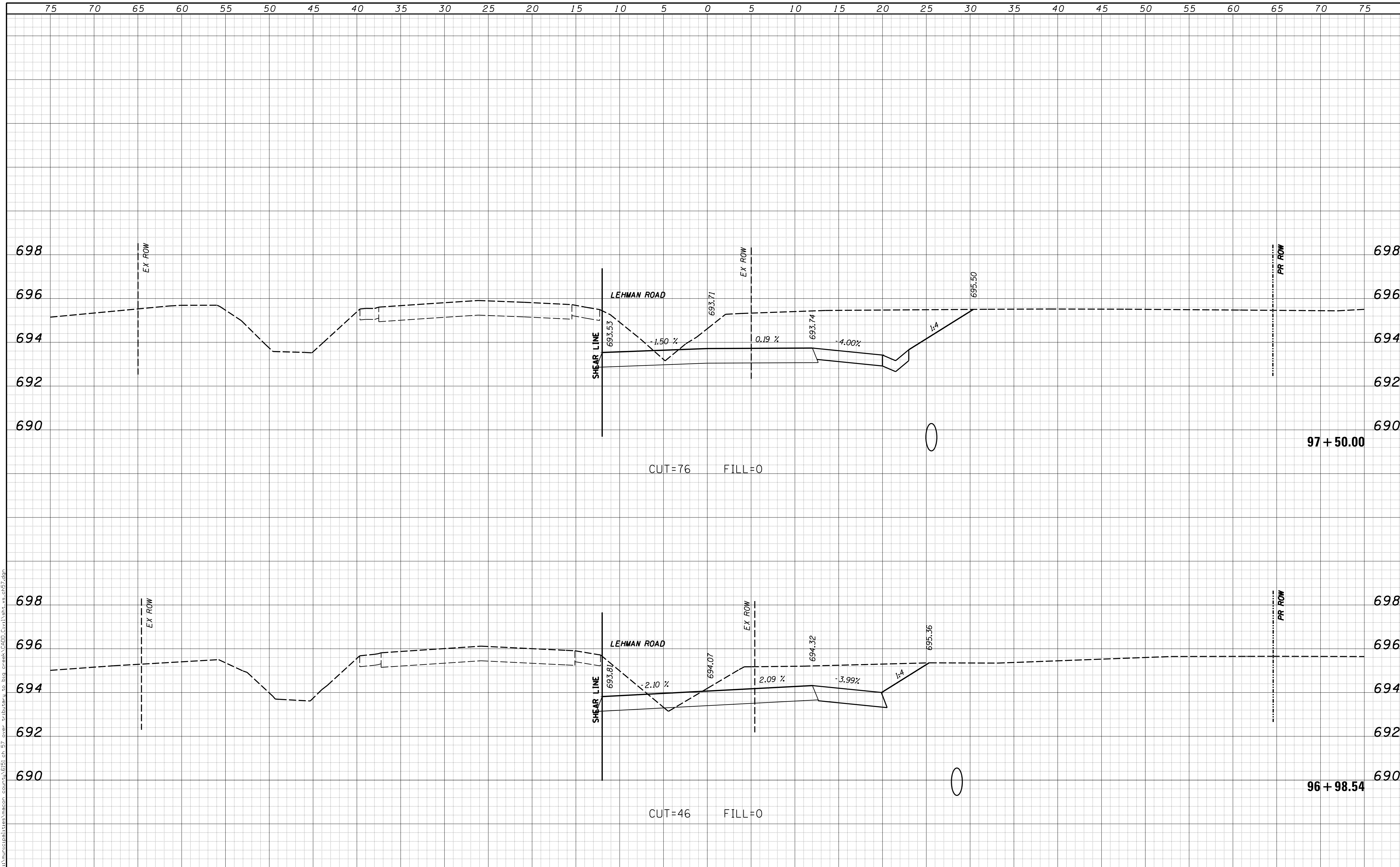
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	59	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 96+50.00	TO STA. 96+98.49	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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NOTE BOOK	PLOTTED
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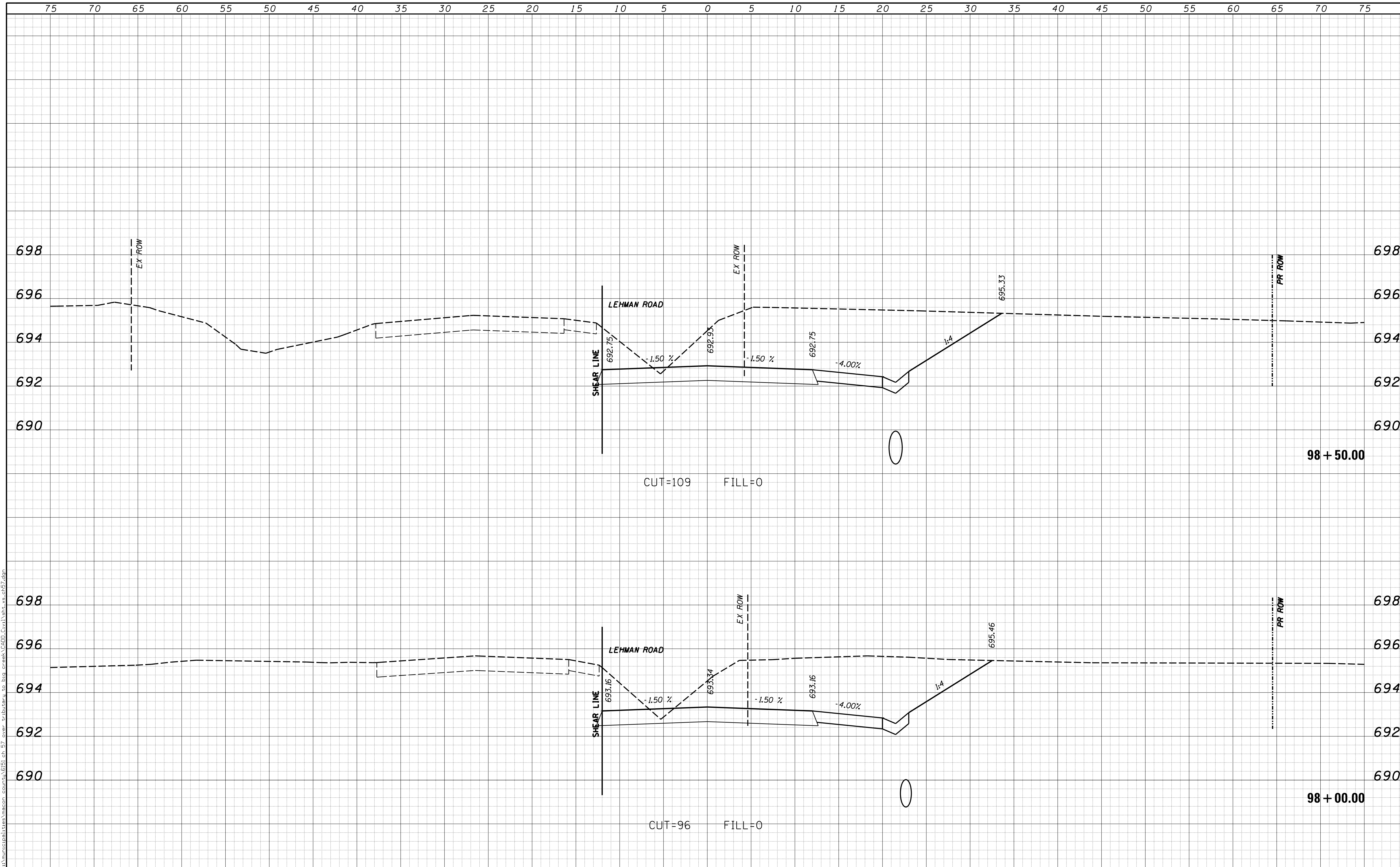
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	60	
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 96+98.54	TO STA. 97+50.00	CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT											

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USER NAME = rkocher	DESIGNED -	REVISED -
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PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 1/22/2019	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

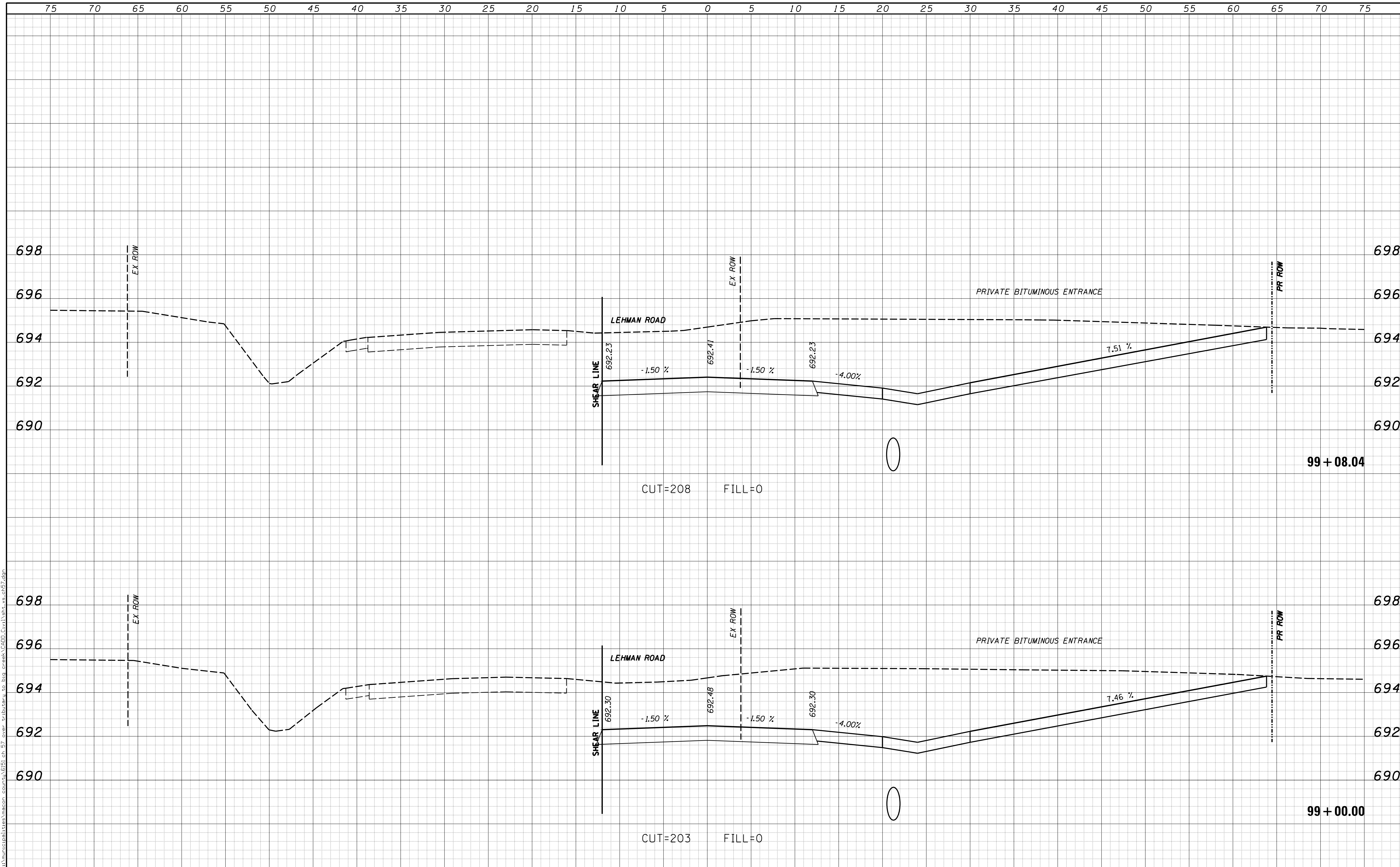
CROSS SECTIONS
COUNTY HIGHWAY 57

SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 98+00.00 TO STA. 98+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	61
CONTRACT NO. 95798			ILLINOIS FED. AID PROJECT	

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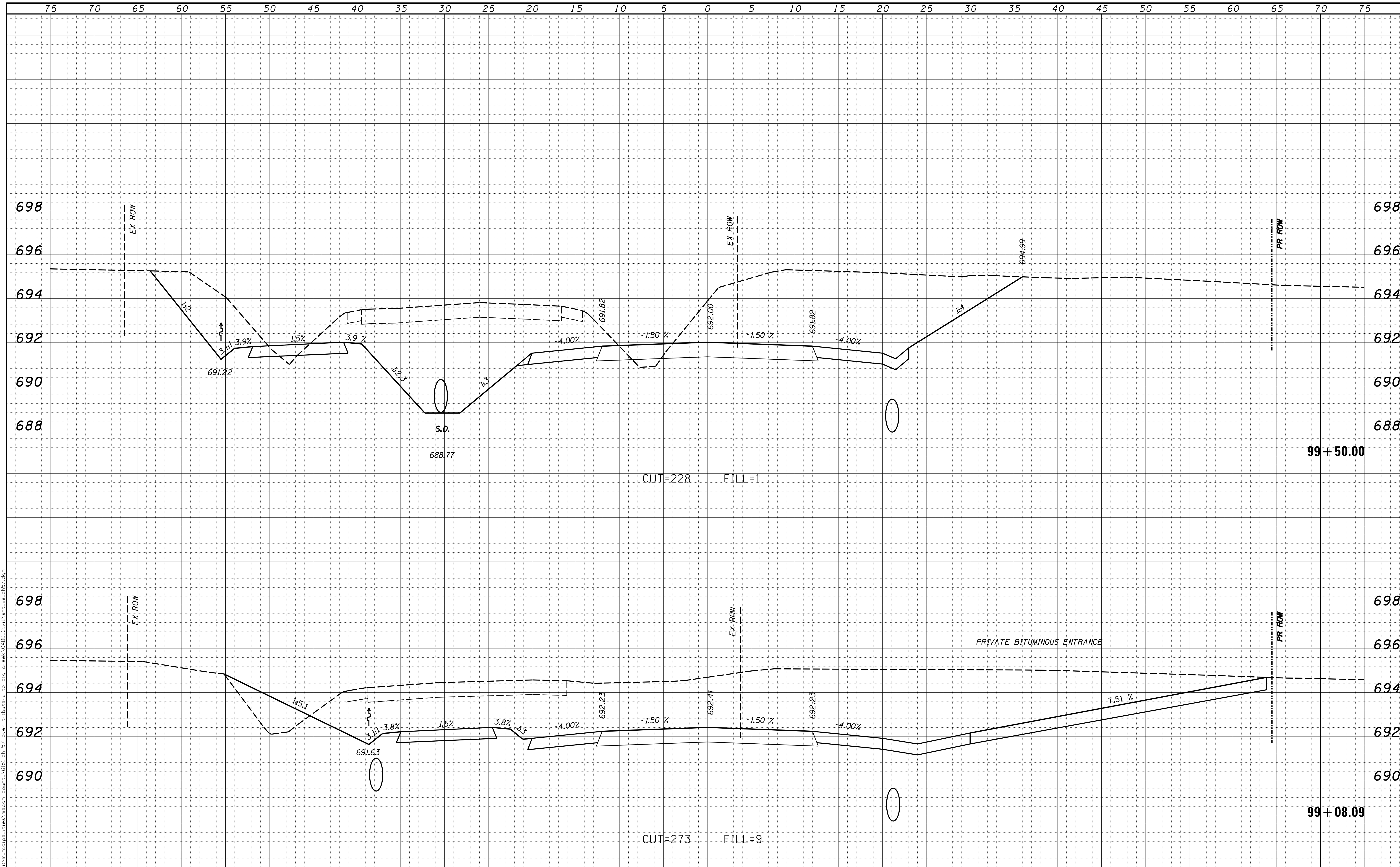
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	62	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 99+00.00	TO STA. 99+08.04	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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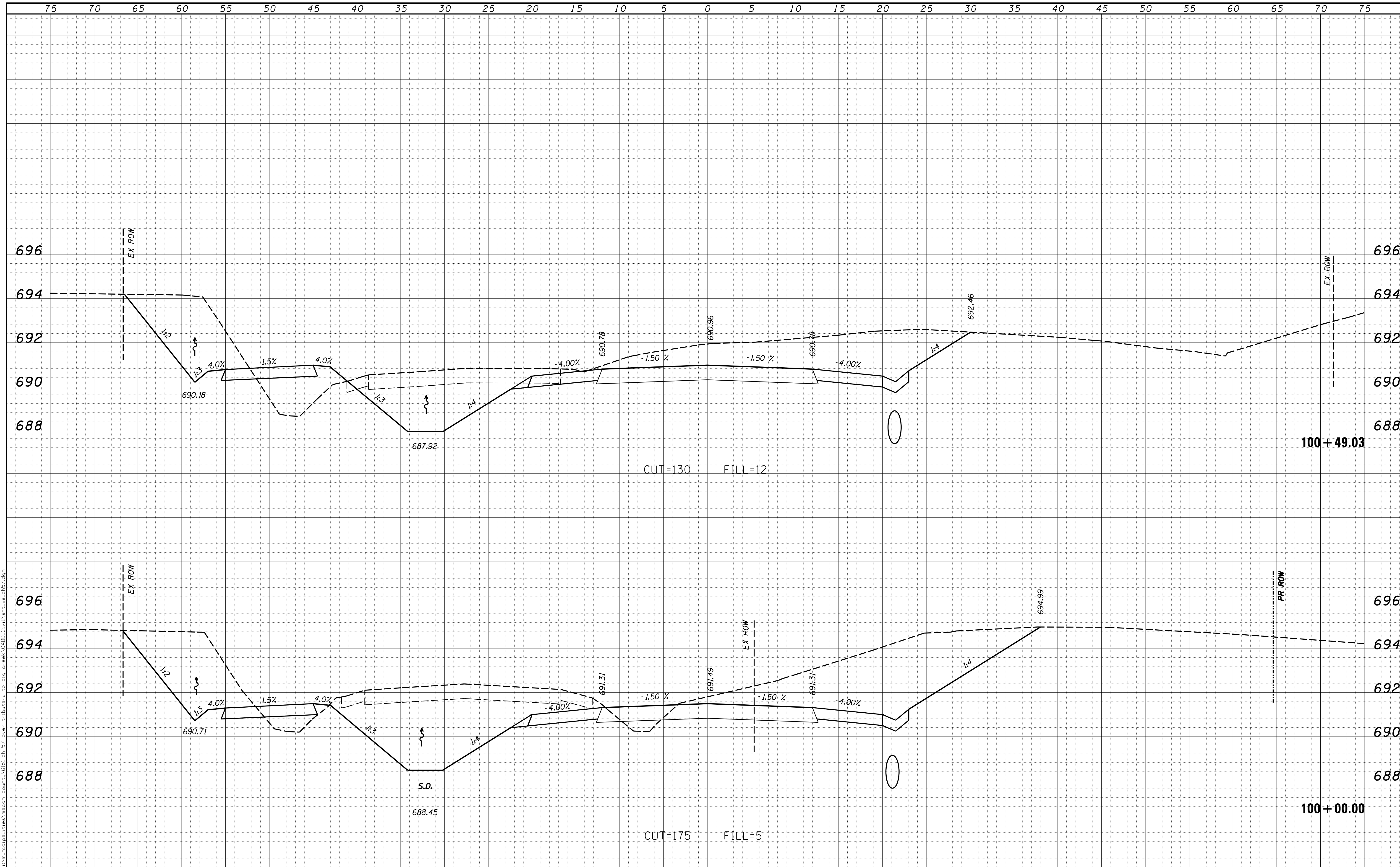
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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	63
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 99+08.09	TO STA. 99+50.00
	DATE -	REVISD -						CONTRACT NO. 95798		ILLINOIS FED. AID PROJECT

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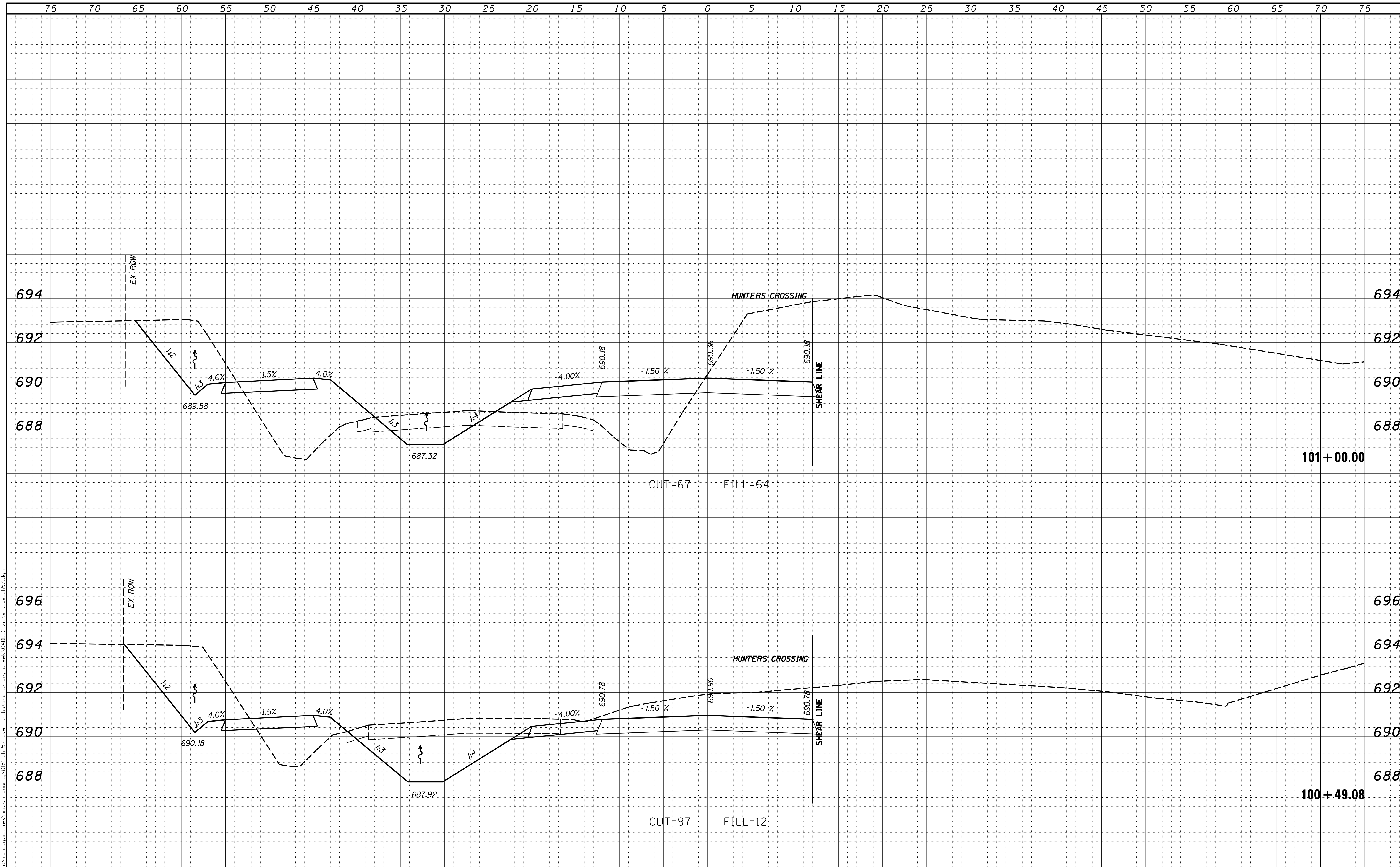
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	64
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 100+00.00 TO STA. 100+49.03			CONTRACT NO. 95798		ILLINOIS FED. AID PROJECT	
	DATE -	REVISIED -								

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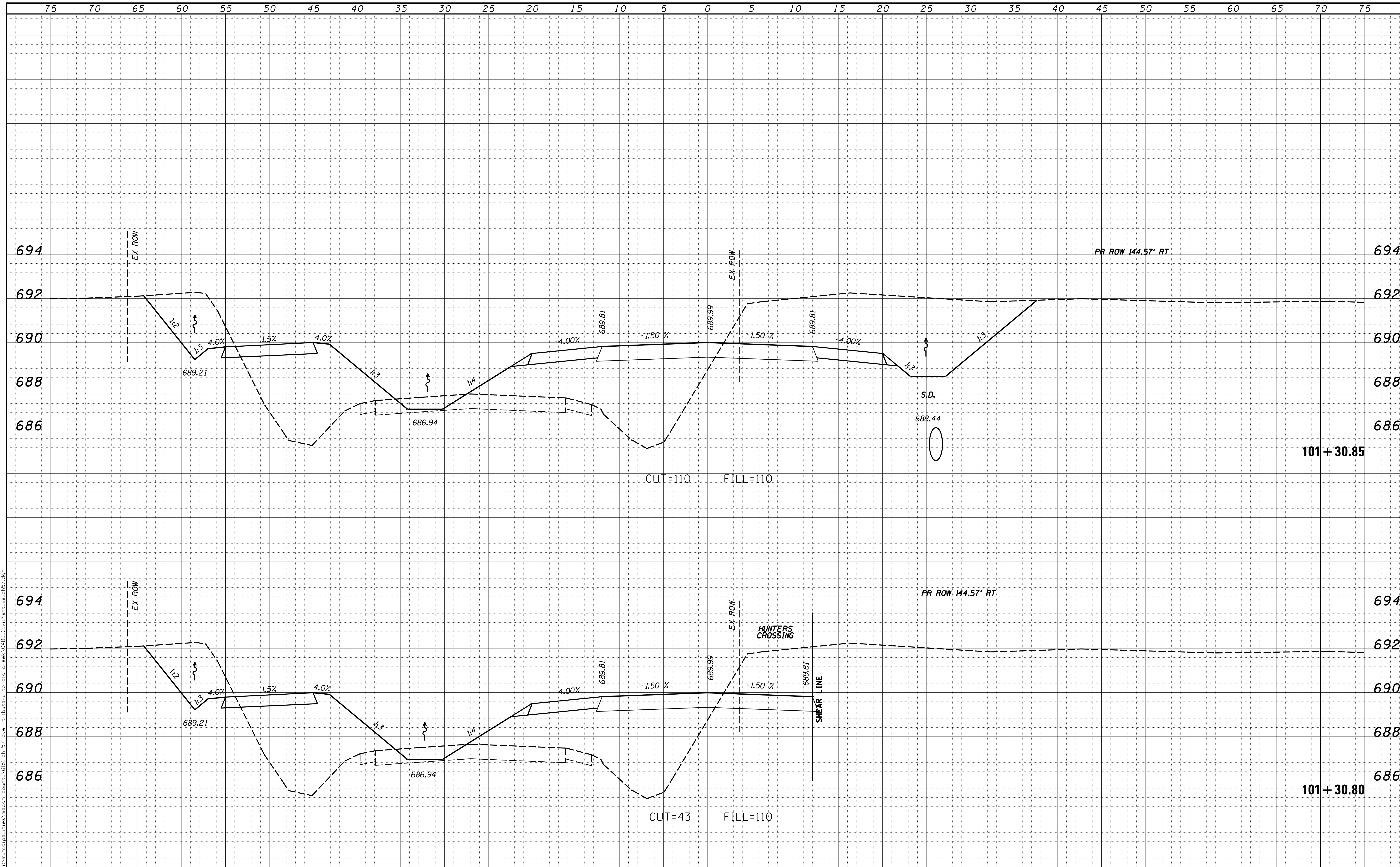
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	65	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 100+49.08	TO STA. 101+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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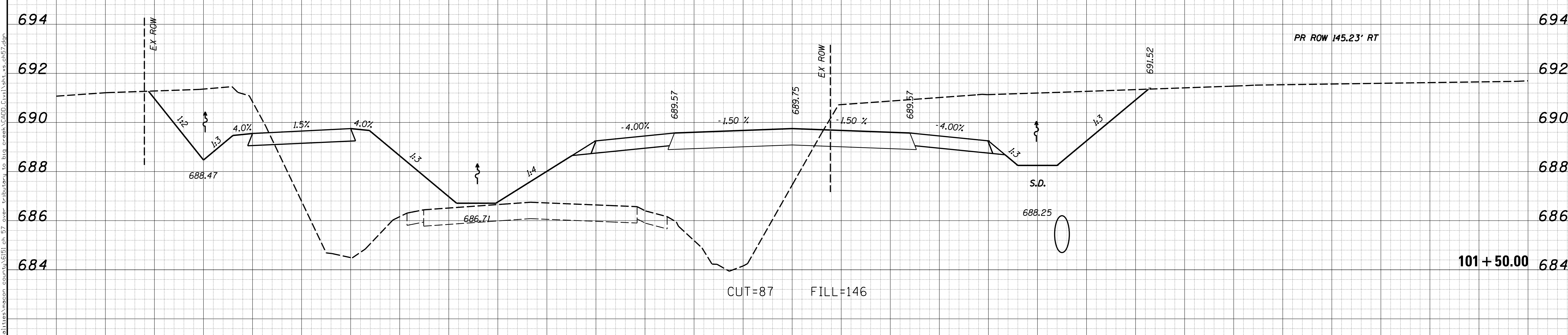
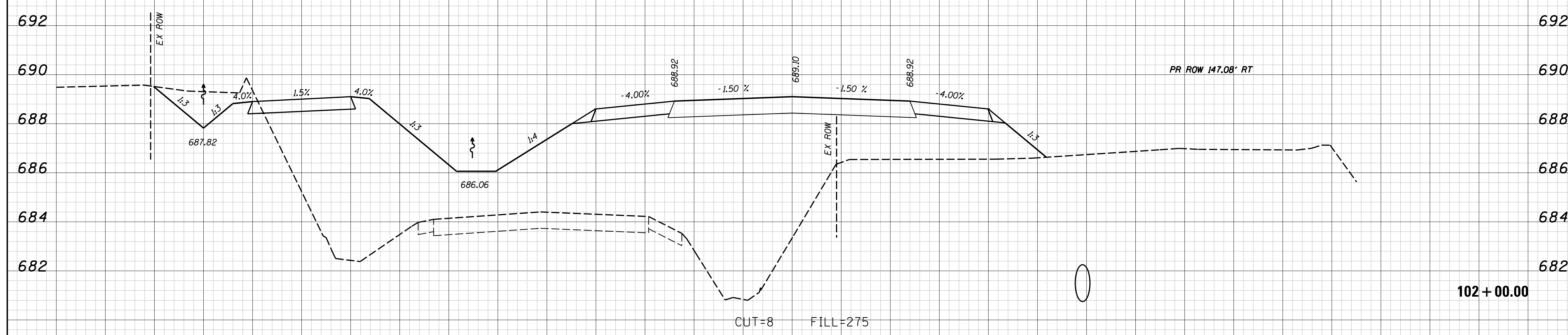
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	66	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 101+30.80	TO STA. 101+30.85	ILLINOIS FED. AID PROJECT CONTRACT NO. 95798
	DATE -	REVISIED -									

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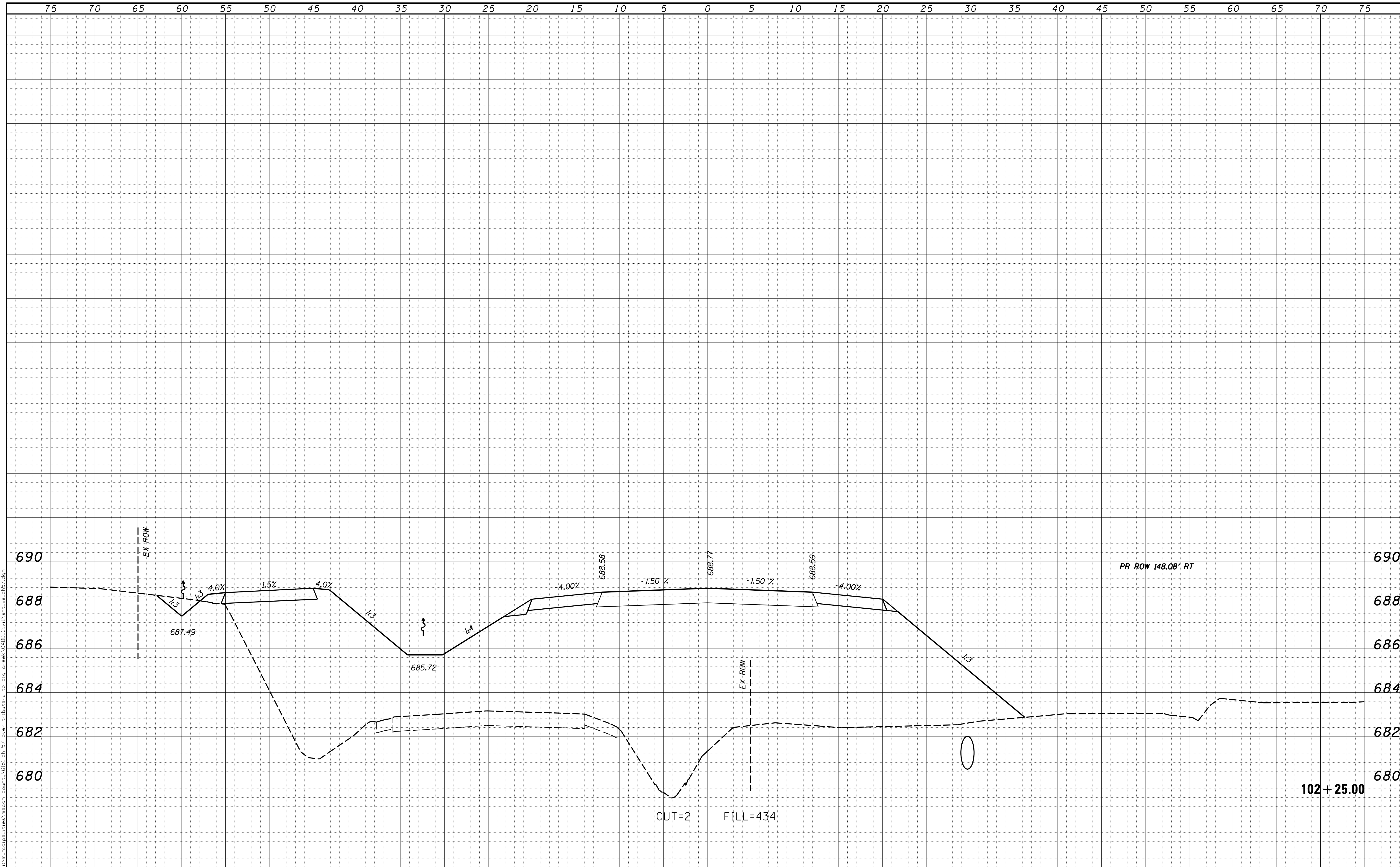
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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 101+50.00	TO STA. 102+00.00	CONTRACT NO. 95798
	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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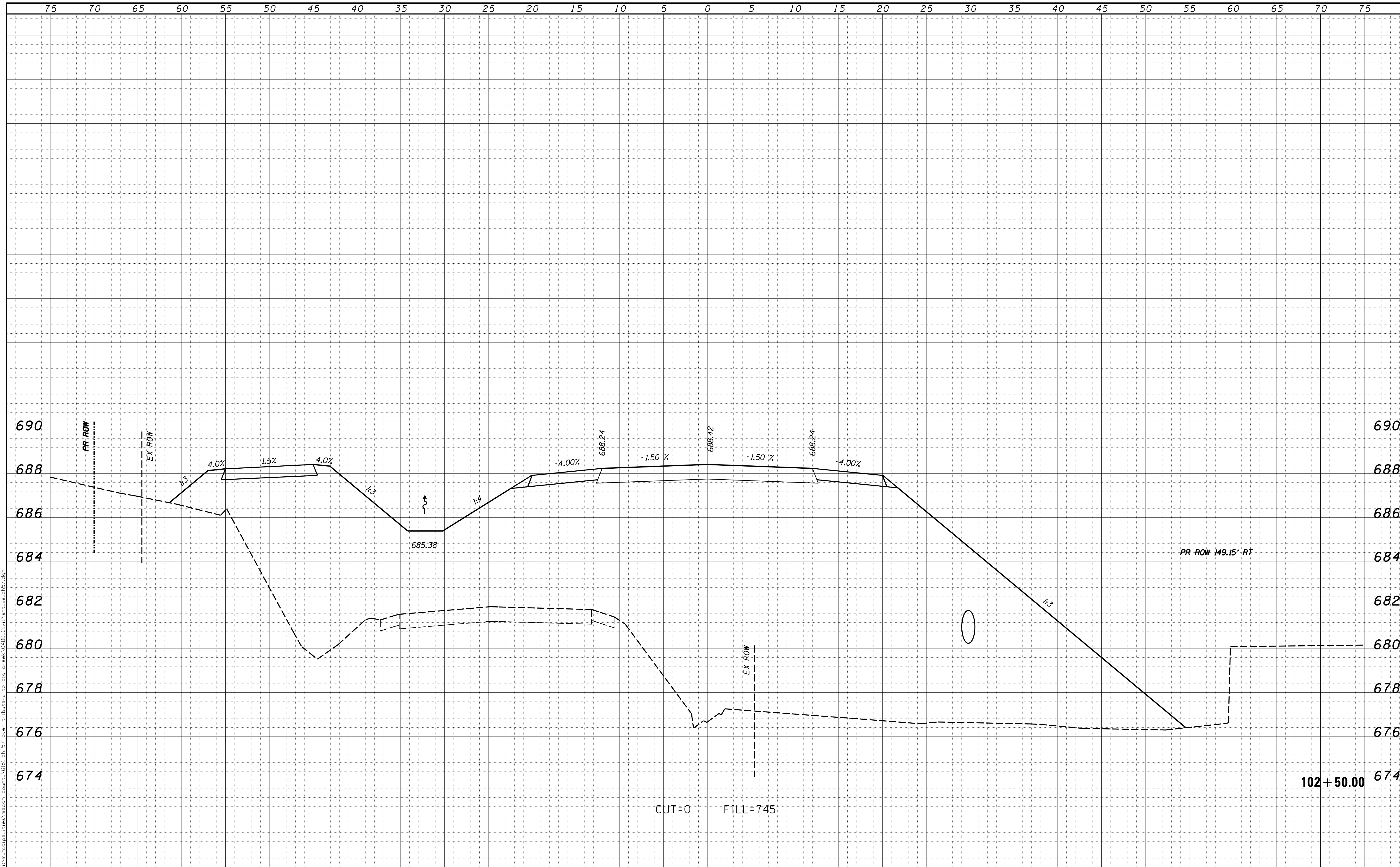
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USER NAME = rkocher	DESIGNED -	REVISED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISED -				7413	12-00249-00-BR	MACON	117	68
PLOT DATE = 1/22/2019	CHECKED -	REVISED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 102+25.00	TO STA. 102+25.00
	DATE -	REVISED -						ILLINOIS FED. AID PROJECT		CONTRACT NO. 95798

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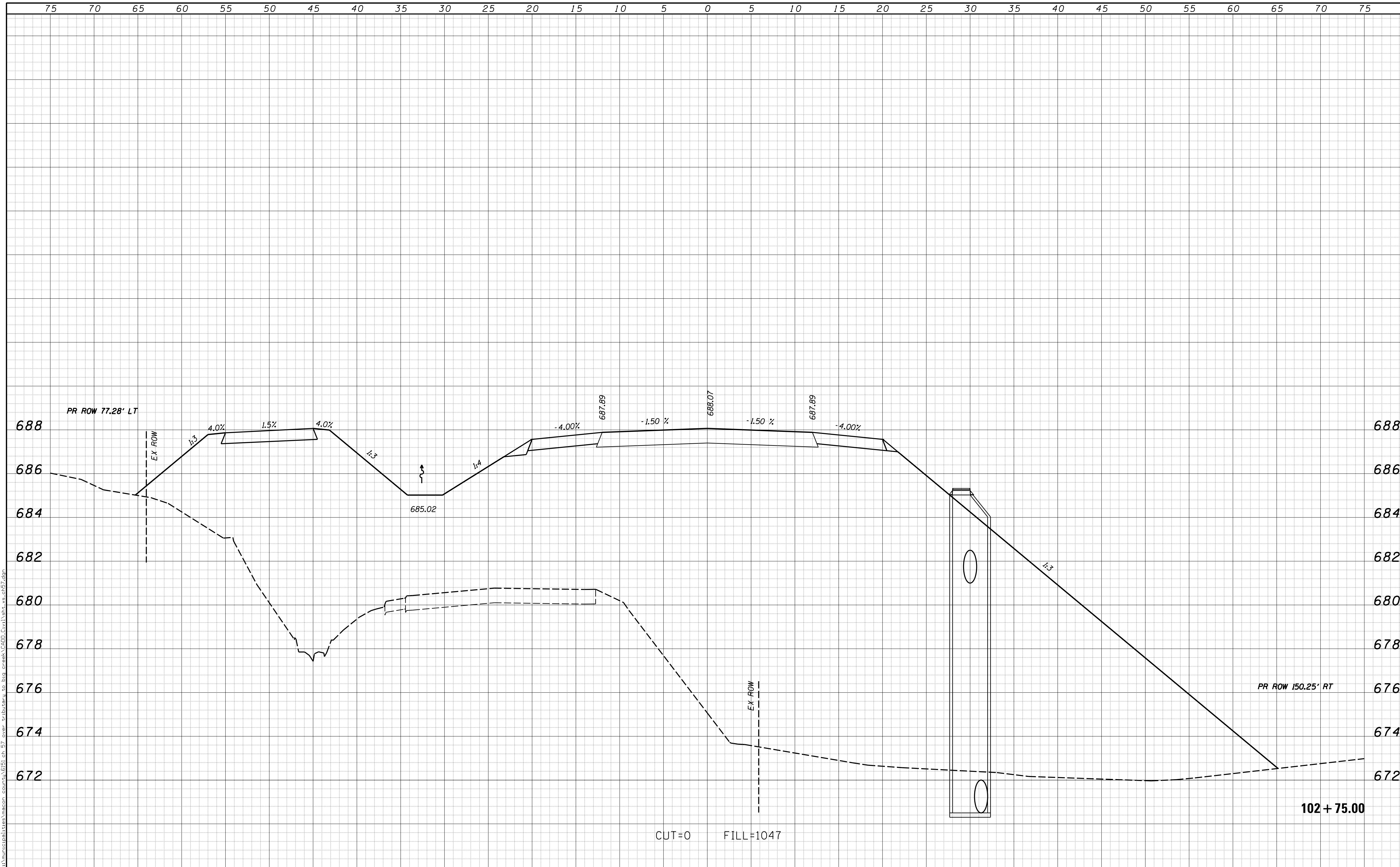
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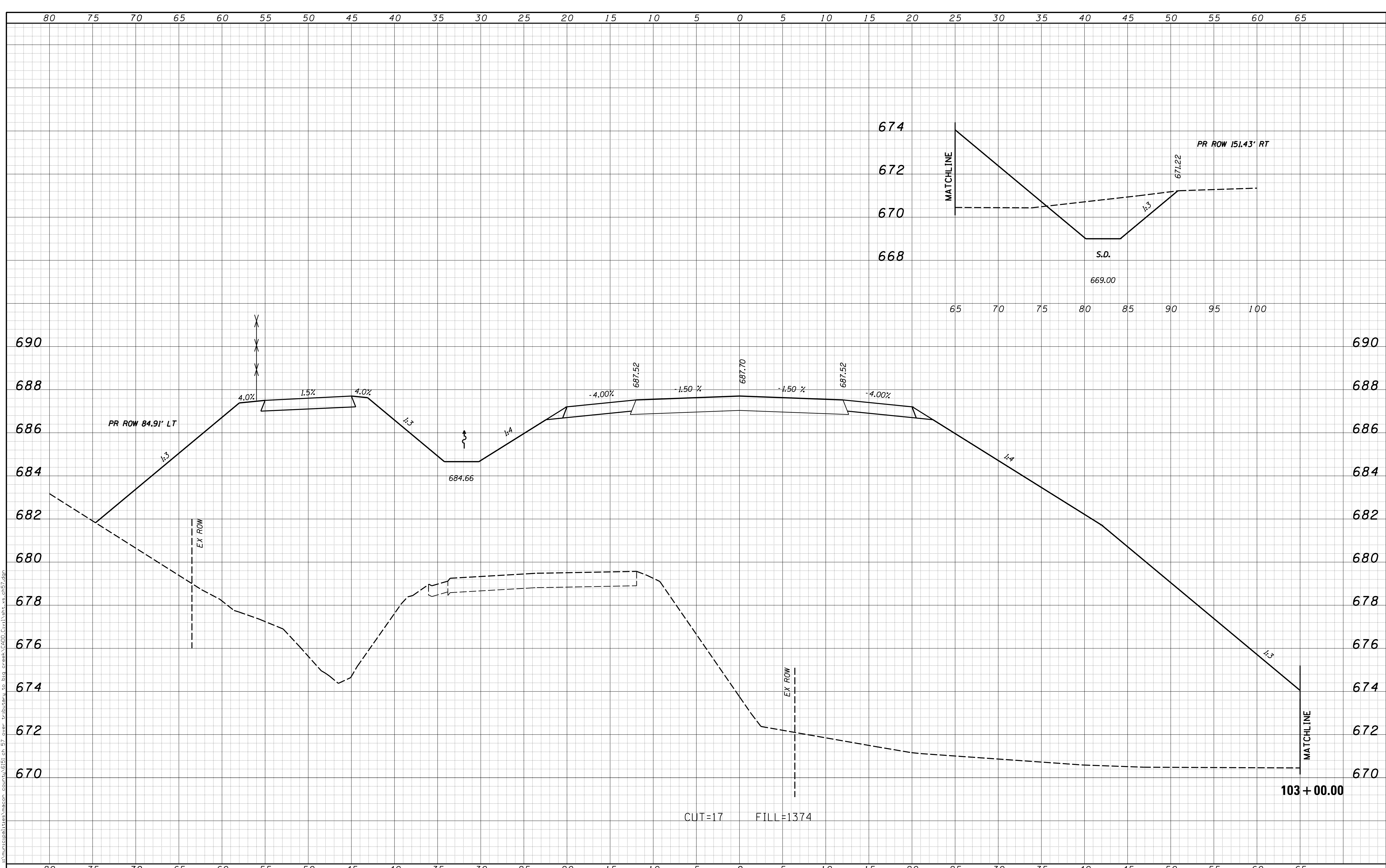
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USER NAME = rkocher DESIGNED - DRAWN - PLOT SCALE = 5.0000' / 1" PLOT DATE = 1/22/2019	REVISIONS REVISIONS REVISIONS REVISIONS REVISIONS	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57 SCALE: 5'H / 2"V SHEET NO. OF SHEETS STA. 102+75.00 TO STA. 102+75.00	F.A. RTE. 7413 SECTION 12-00249-00-BR COUNTY MACON TOTAL SHEETS 117 SHEET NO. 70 CONTRACT NO. 95798 ILLINOIS FED. AID PROJECT
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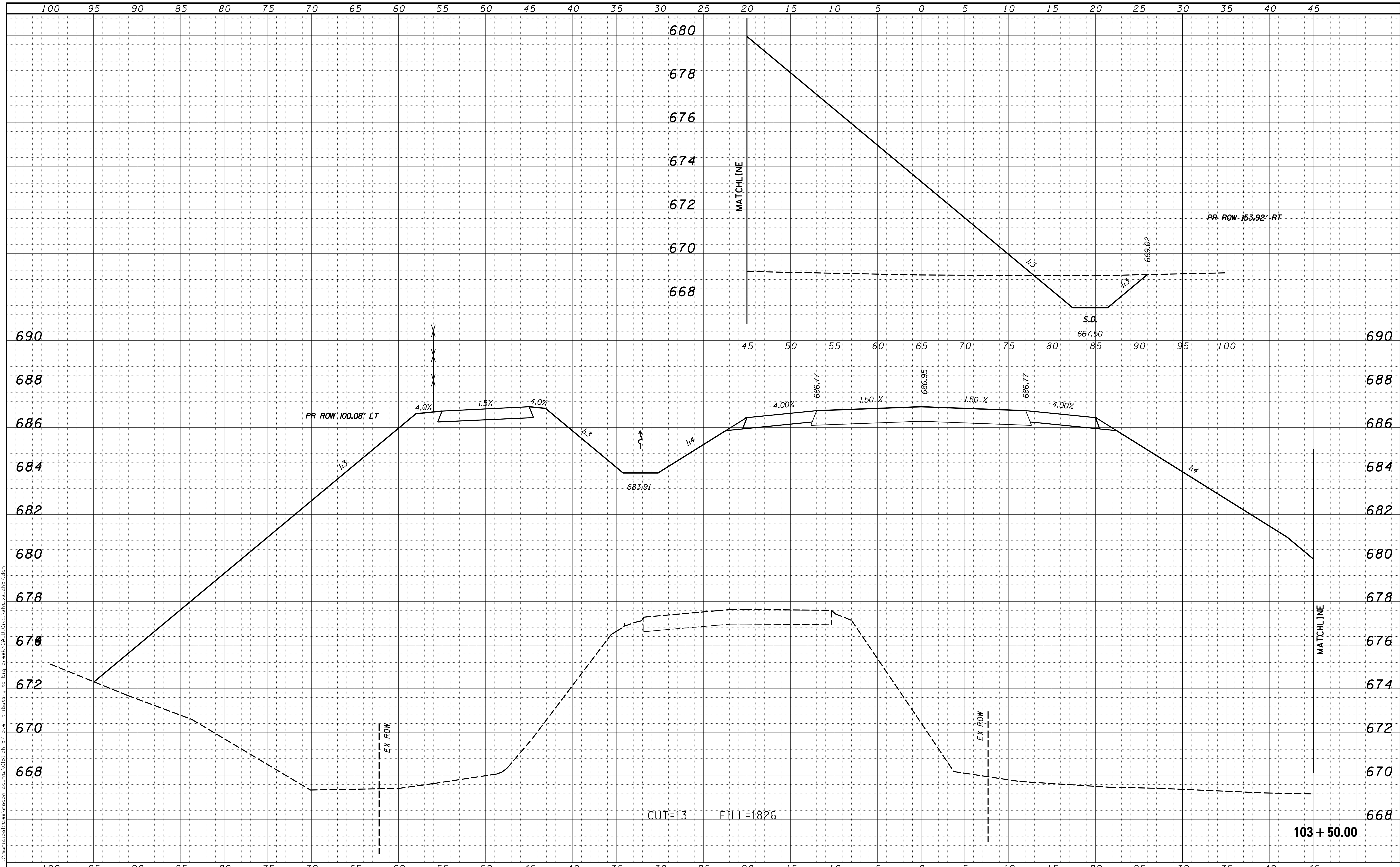
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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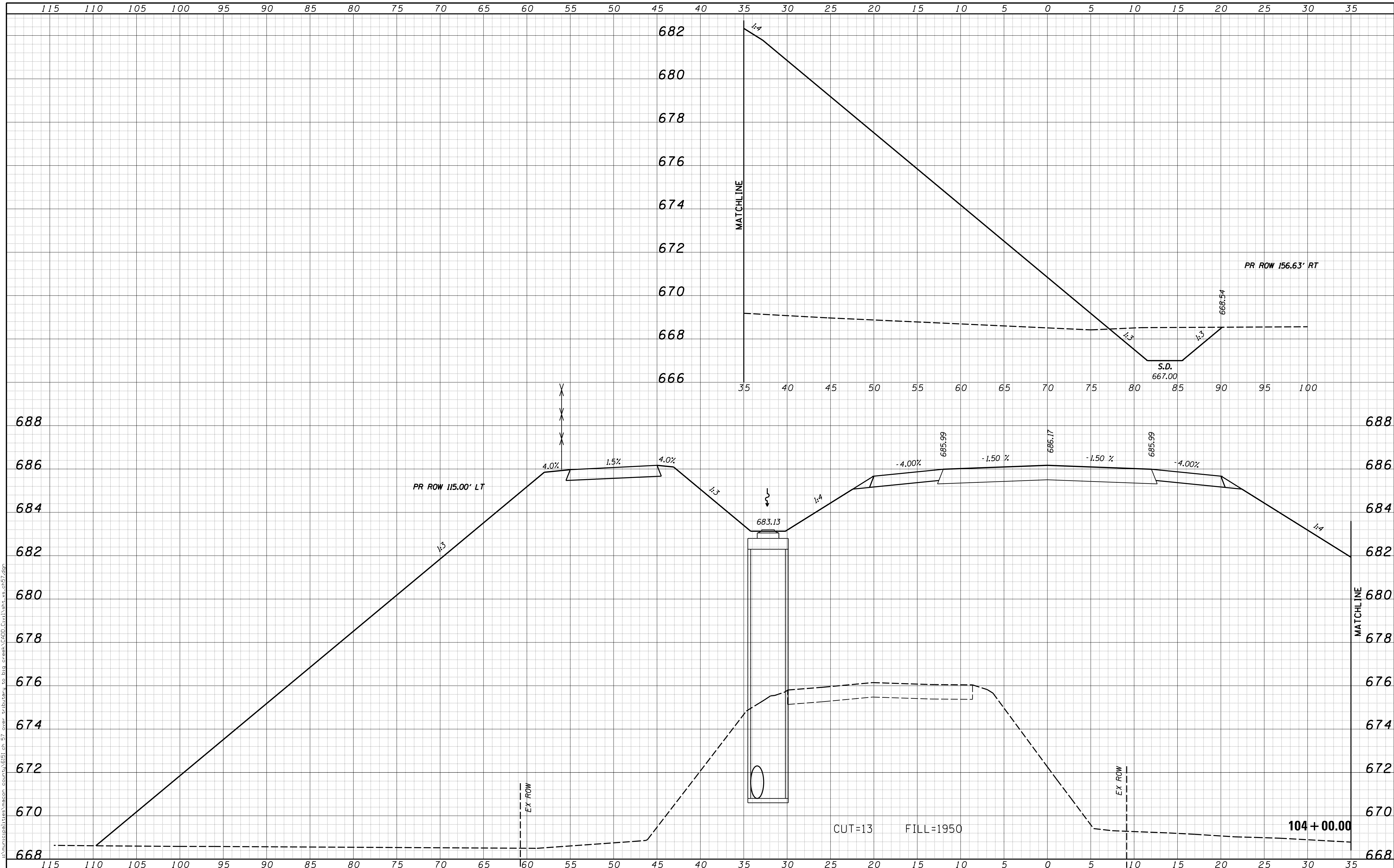
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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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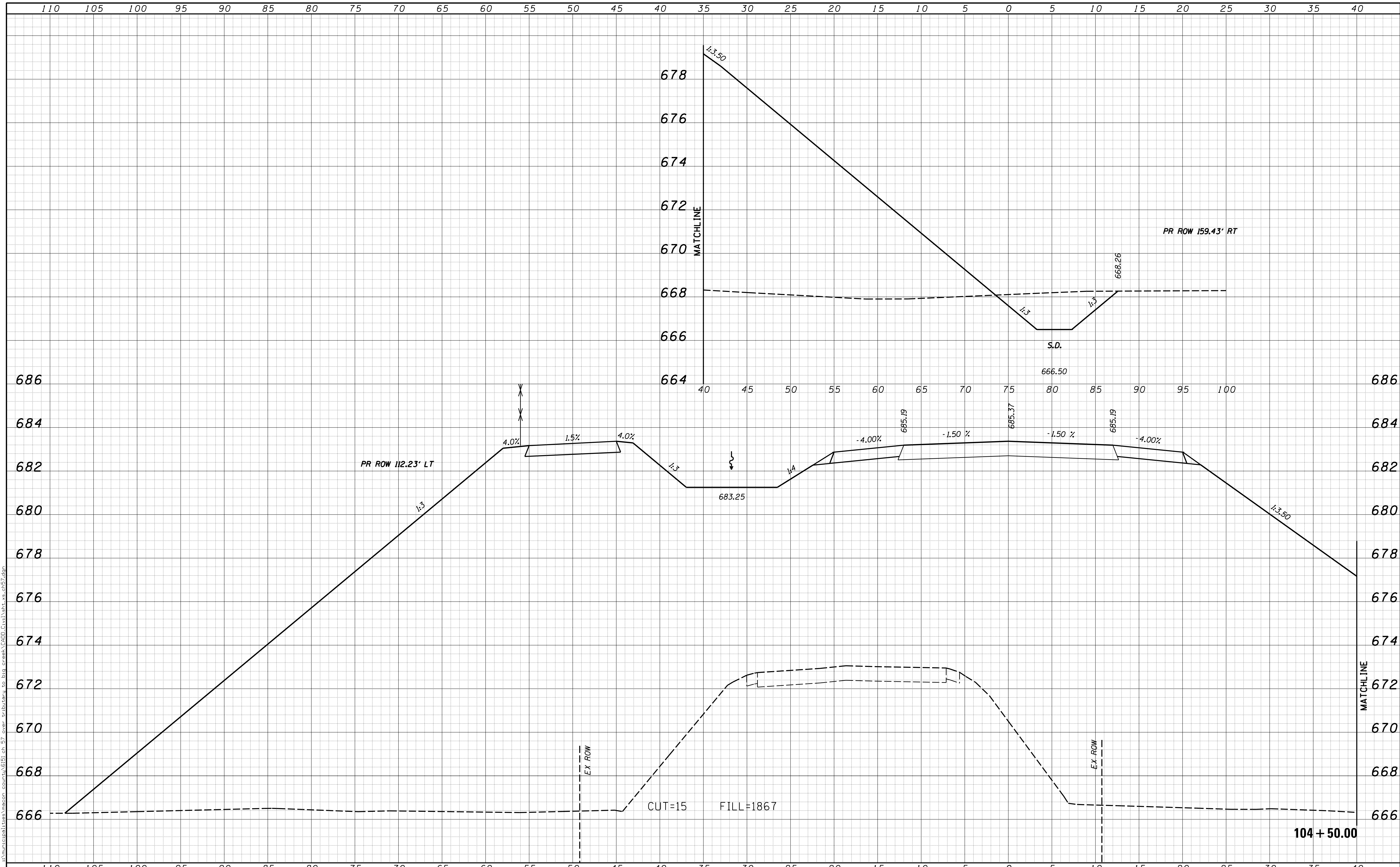
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -		7413	12-00249-00-BR	MACON	117	73		
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 104+00.00 TO STA. 104+00.00			CONTRACT NO. 95798			
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT						

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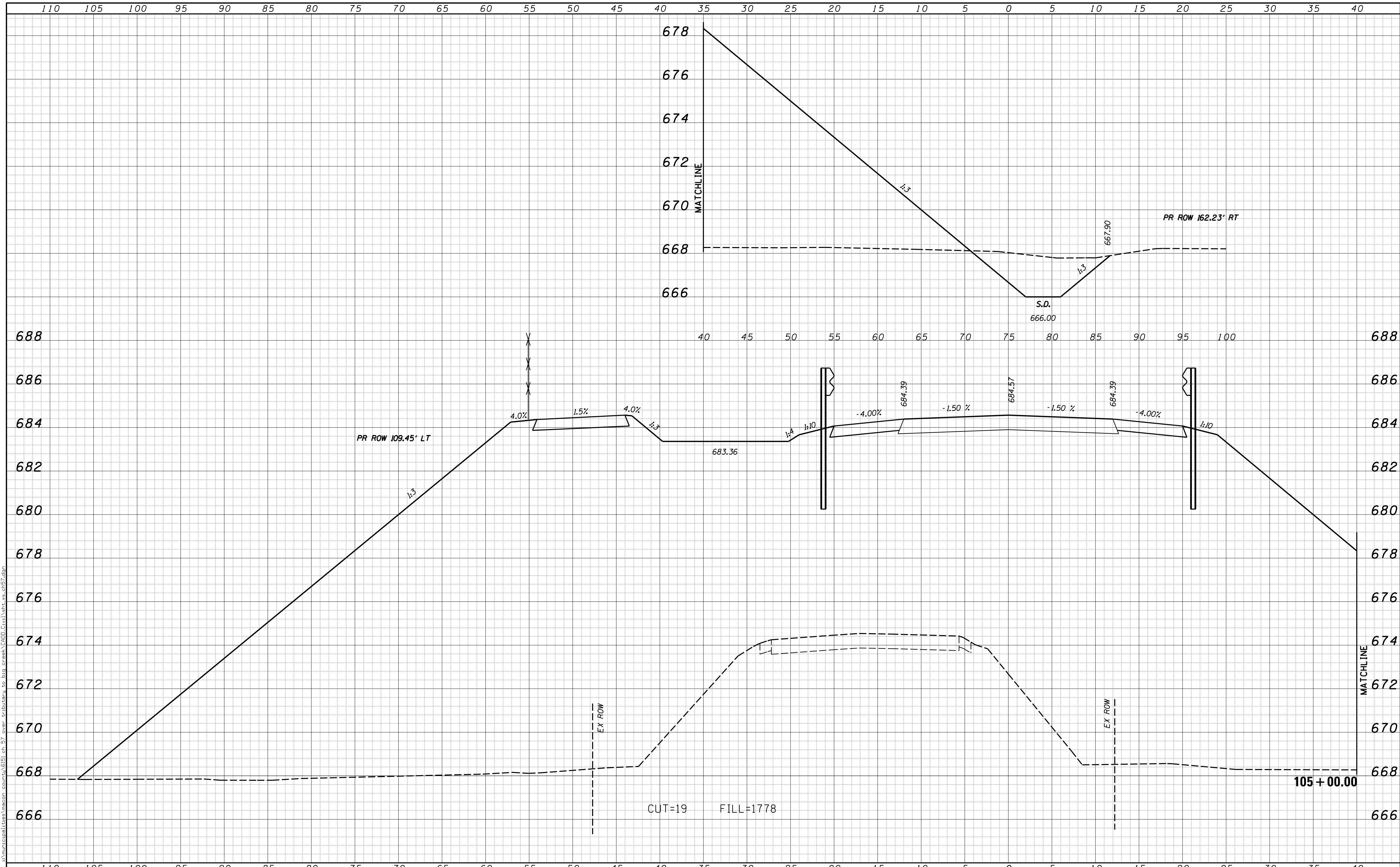
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PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	74	
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	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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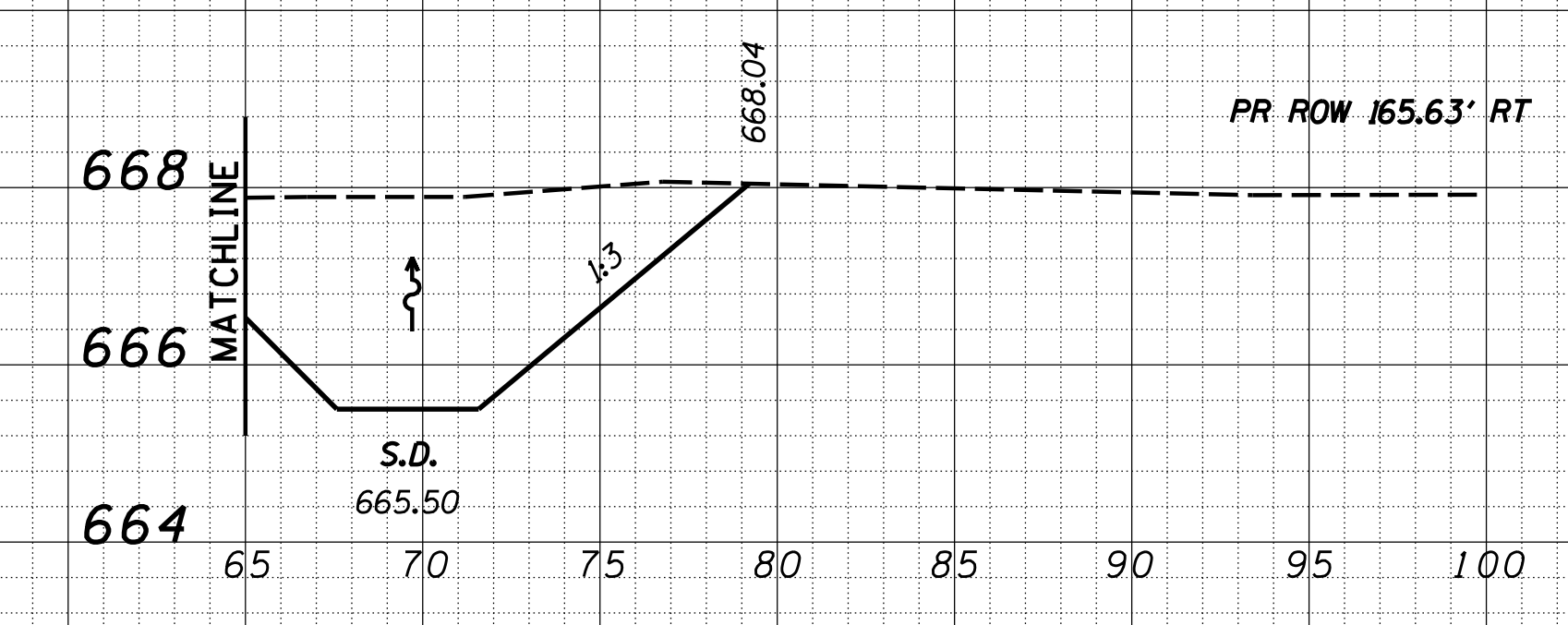
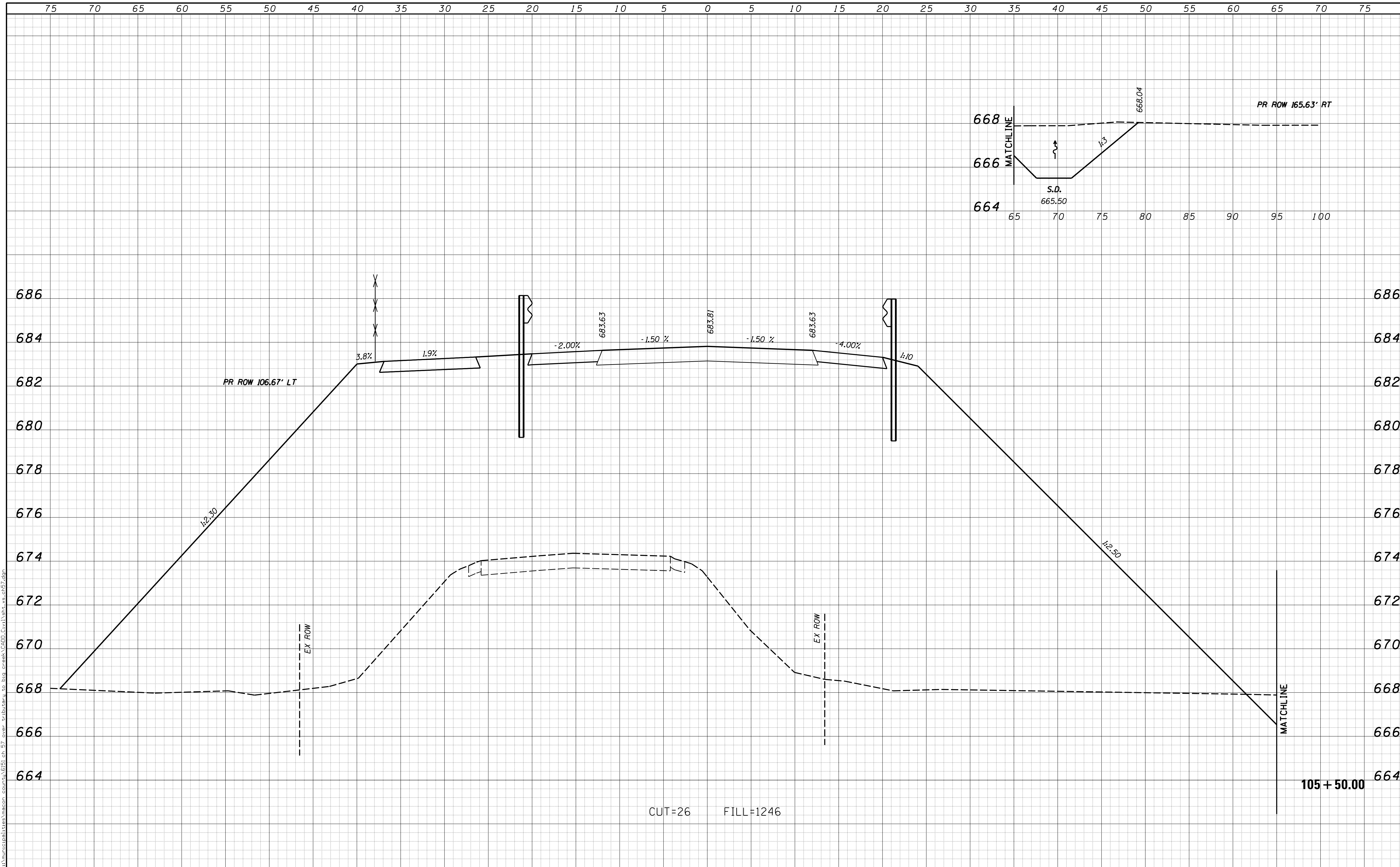
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	75	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 105+00.00	TO STA. 105+00.00	ILLINOIS FED. AID PROJECT CONTRACT NO. 95798
	DATE -	REVISIED -									

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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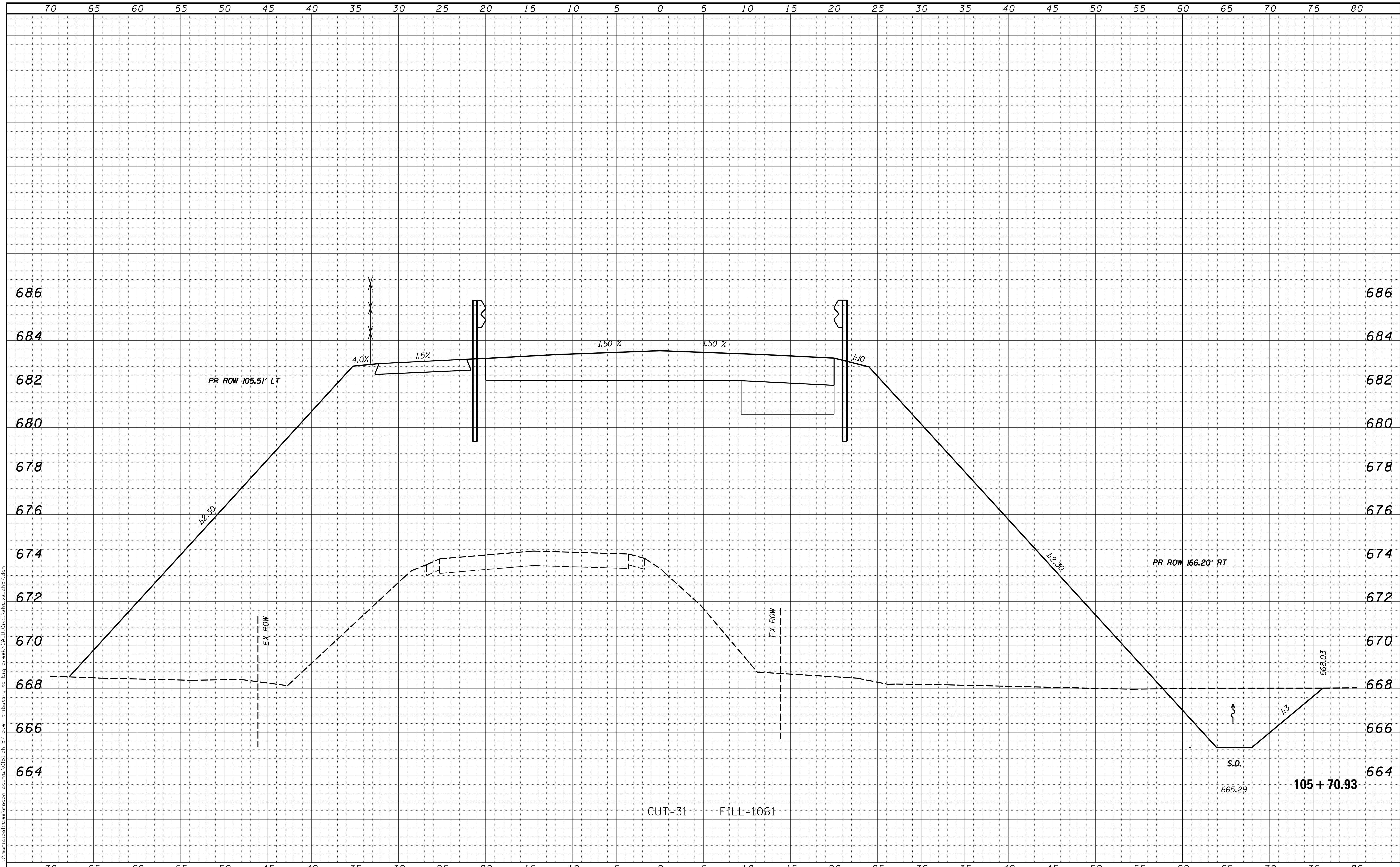
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	76	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 105+50.00	TO STA. 105+50.00	CONTRACT NO. 95798 ILLINOIS FED. AID PROJECT
	DATE -	REVISIED -									

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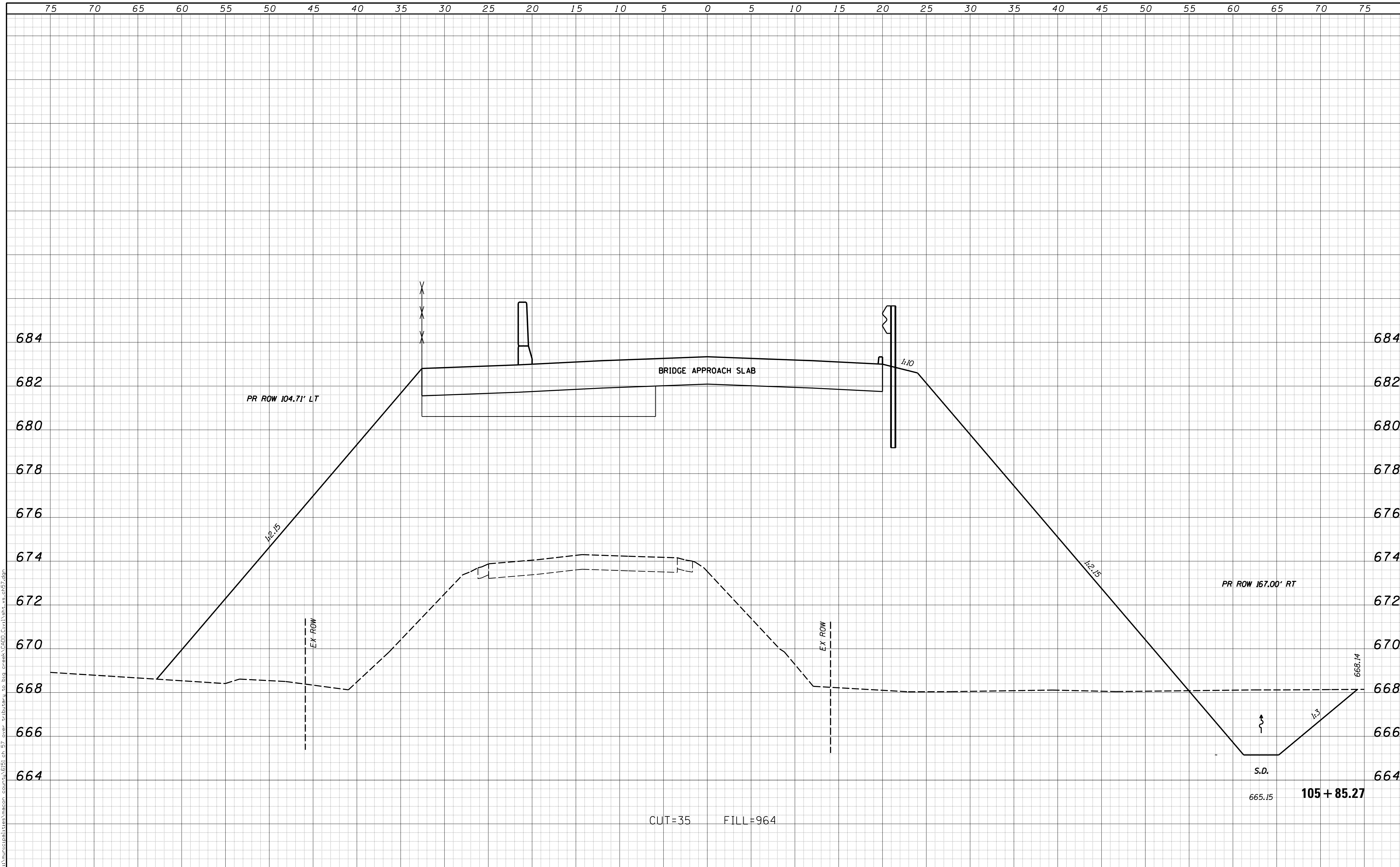
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105 + 70.93

USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISD -				7413	12-00249-00-BR	MACON	117	77
PLOT DATE = 1/22/2019	DATE -	REVISD -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 105+70.93	TO STA. 105+70.93
								ILLINOIS FED. AID PROJECT		CONTRACT NO. 95798

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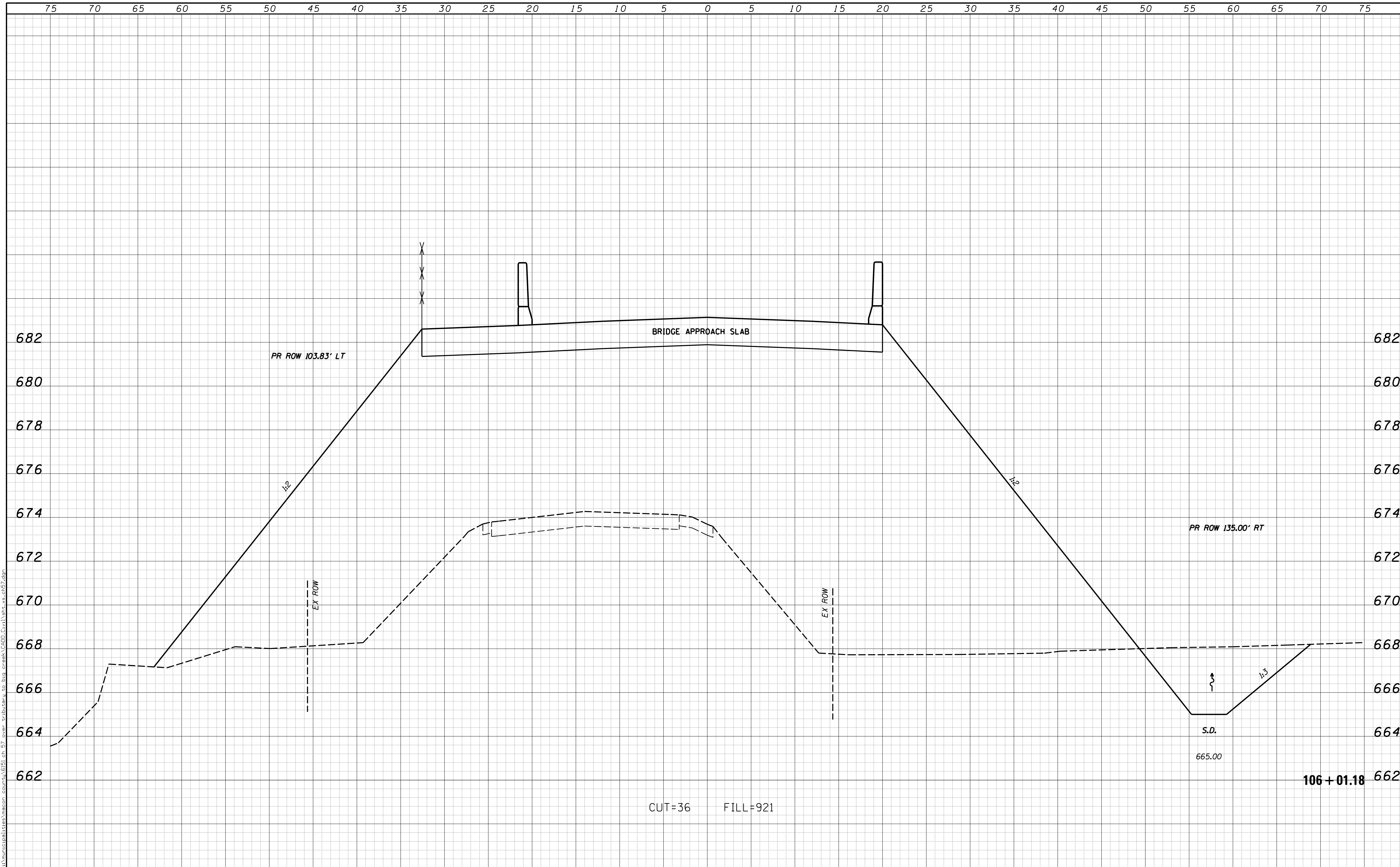
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	78
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO. OF SHEETS	STA. 105+85.27 TO STA. 105+85.27		CONTRACT NO. 95798	
				ILLINOIS FED. AID PROJECT						

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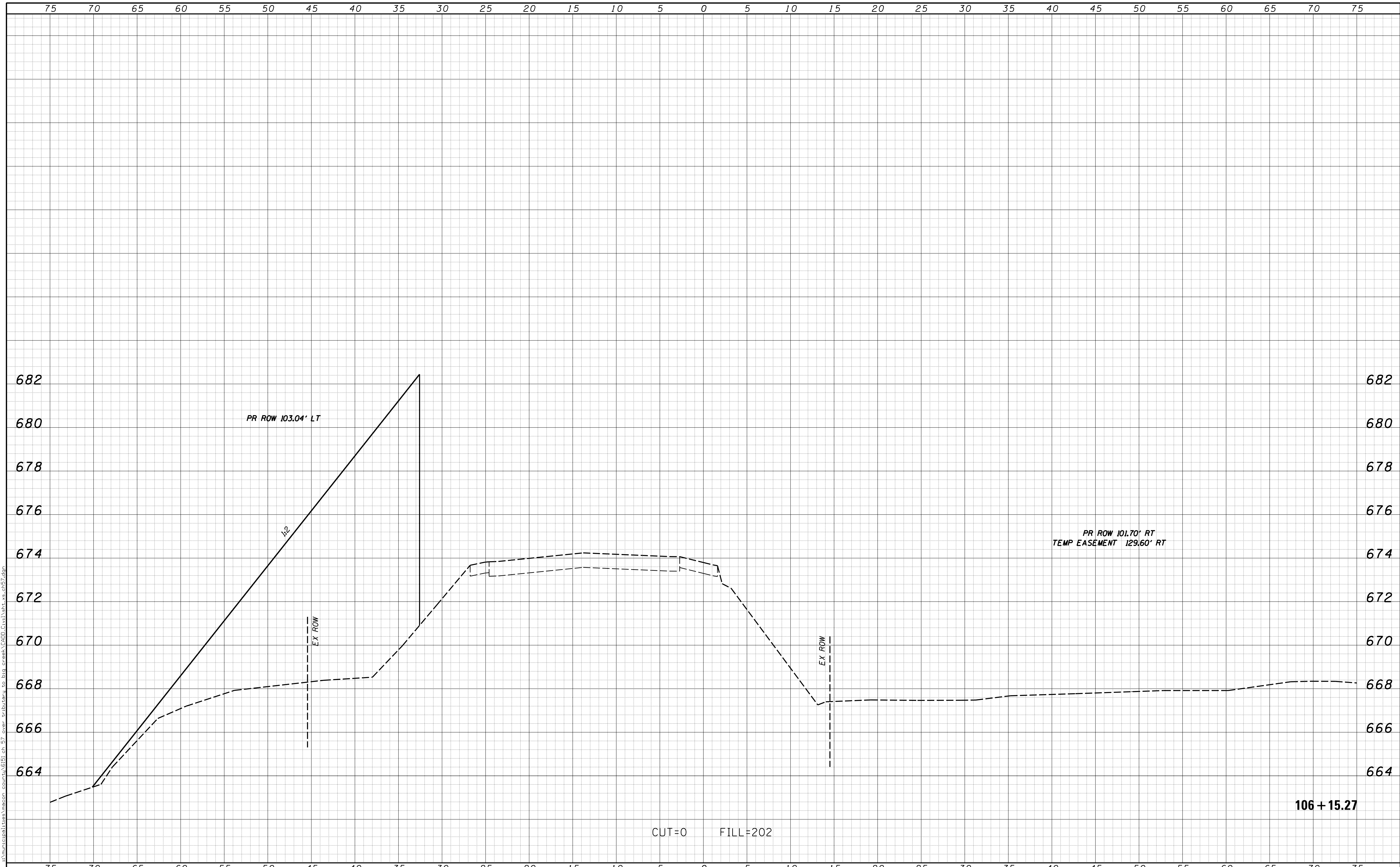
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	79
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO. OF SHEETS	STA. 106+01.18 TO STA. 106+01.18		CONTRACT NO. 95798	
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT						

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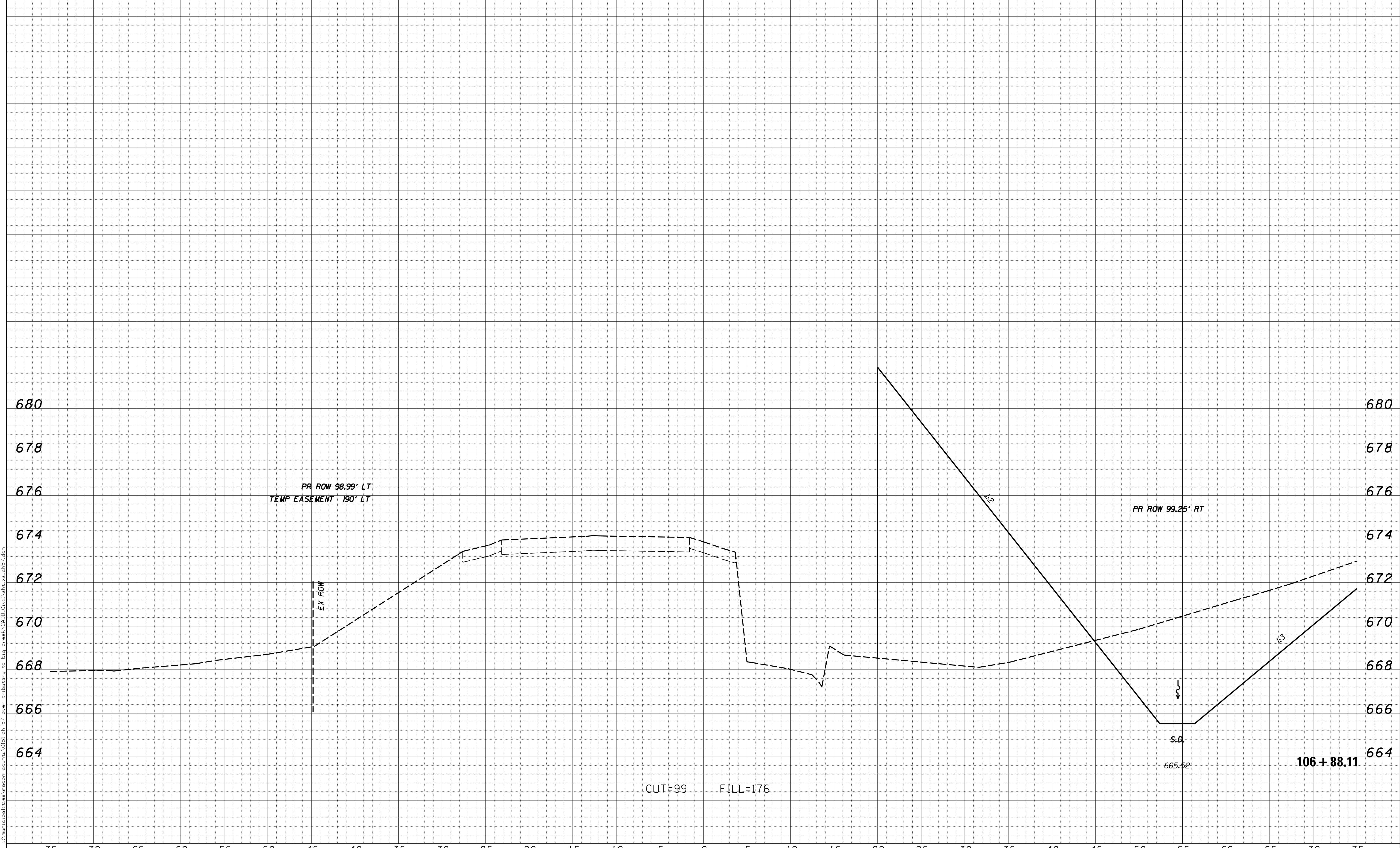


USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	80	
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 106+15.27	TO STA. 106+15.27	ILLINOIS FED. AID PROJECT CONTRACT NO. 95798

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

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ORIGINAL SURVEY NOTE BOOK NO.	



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USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

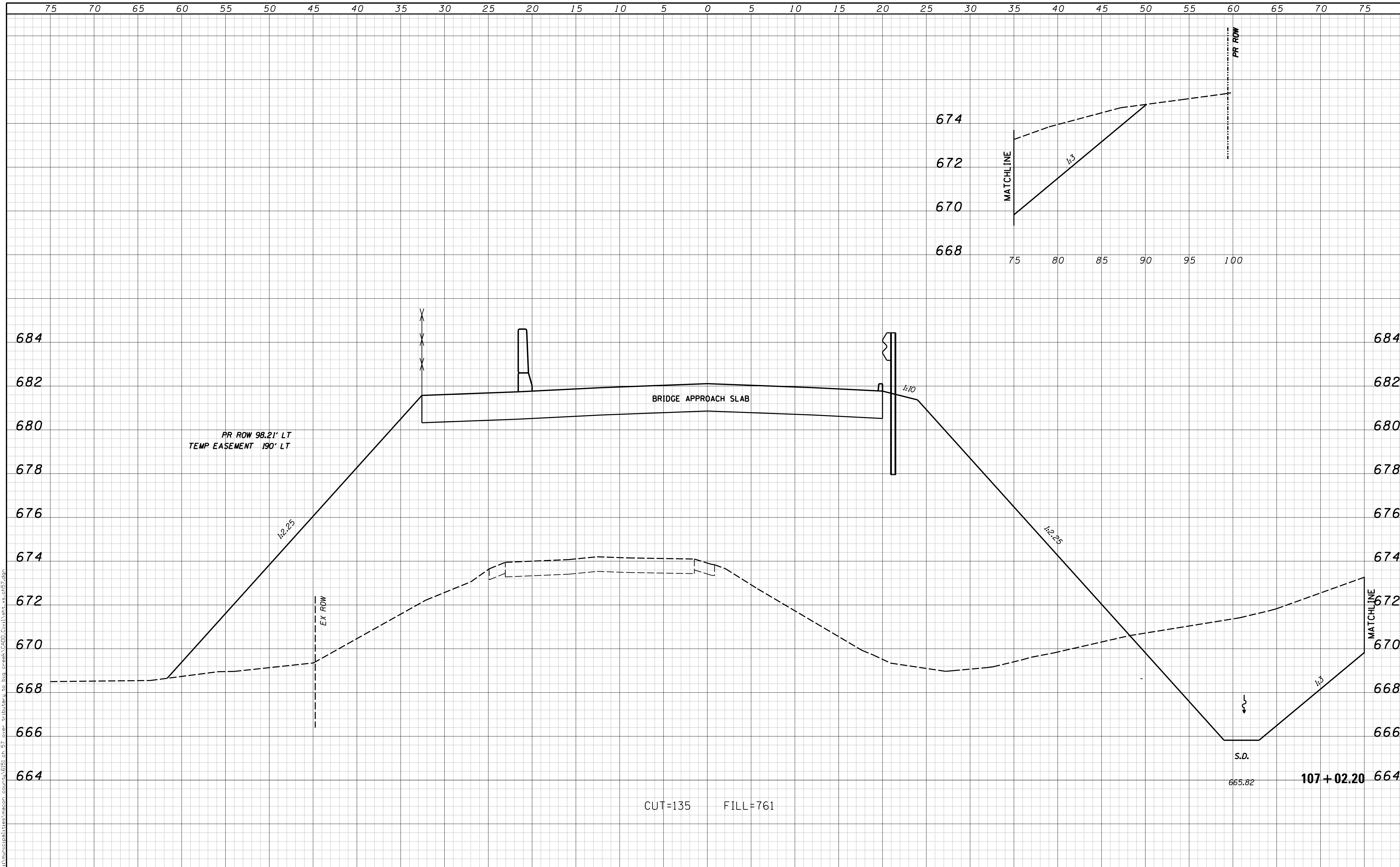
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS			
COUNTY HIGHWAY 57			
SCALE: 5'H / 2'V	SHEET NO. OF SHEETS	STA. 106+88.11 TO STA. 106+88.11	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	81
ILLINOIS FED. AID PROJECT			CONTRACT NO. 95798	

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USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

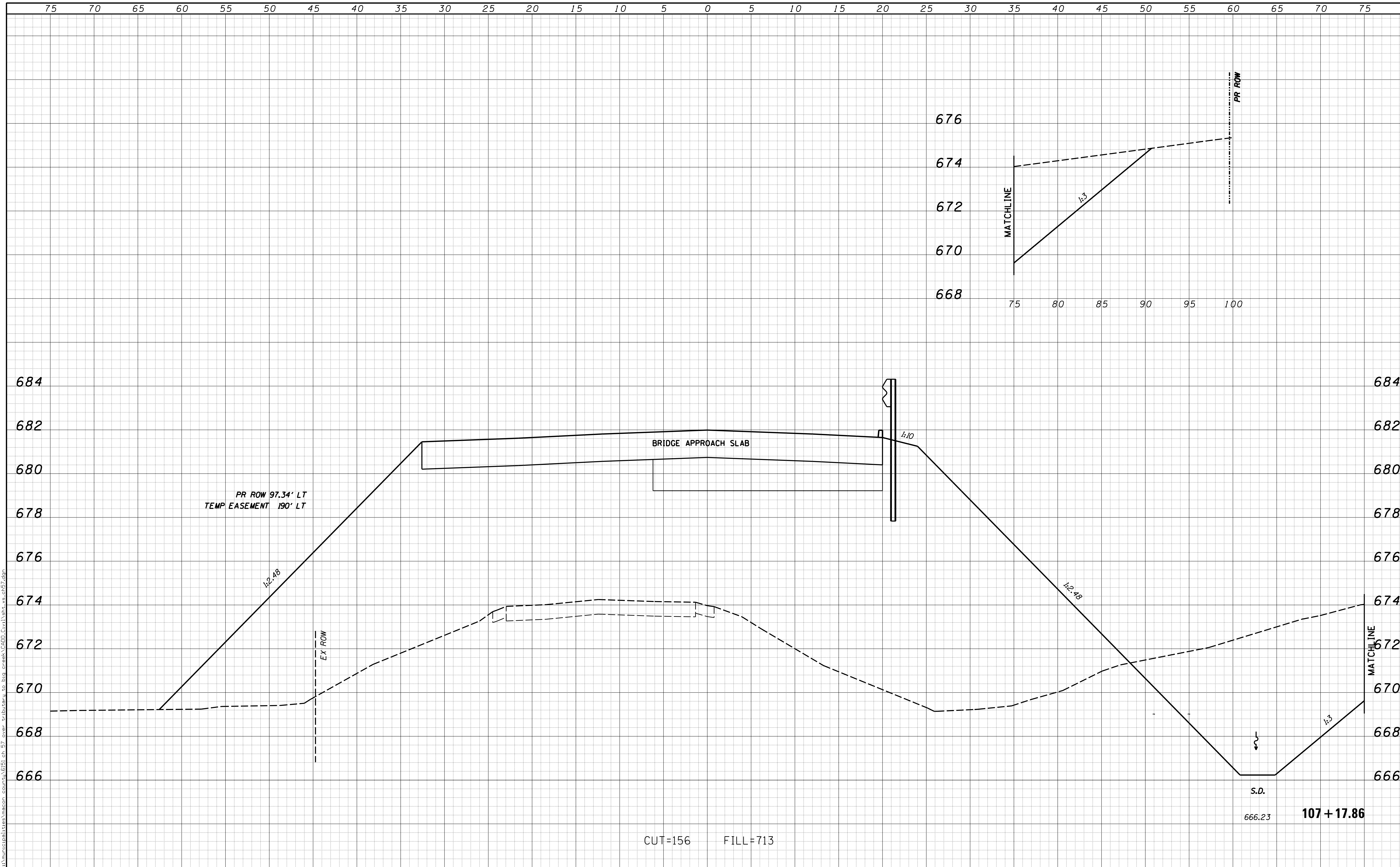
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS		COUNTY HIGHWAY 57	
SCALE: 5'H / 2'V	SHEET NO. OF SHEETS	STA. 107+02.20 TO STA. 107+02.20	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	82
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

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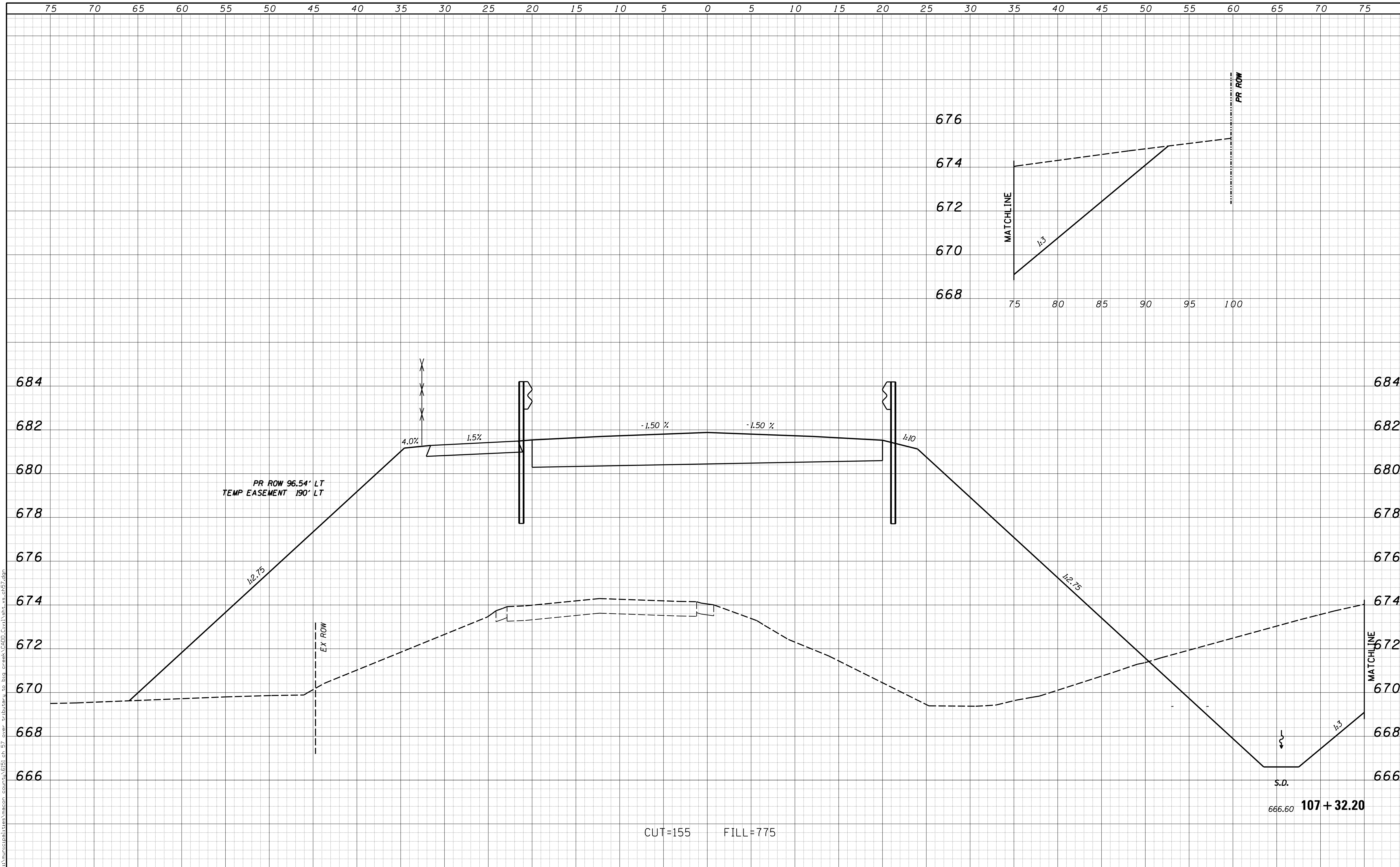
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	83
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO. OF SHEETS	STA. 107+17.86 TO STA. 107+17.86		CONTRACT NO. 95798	
				ILLINOIS FED. AID PROJECT						

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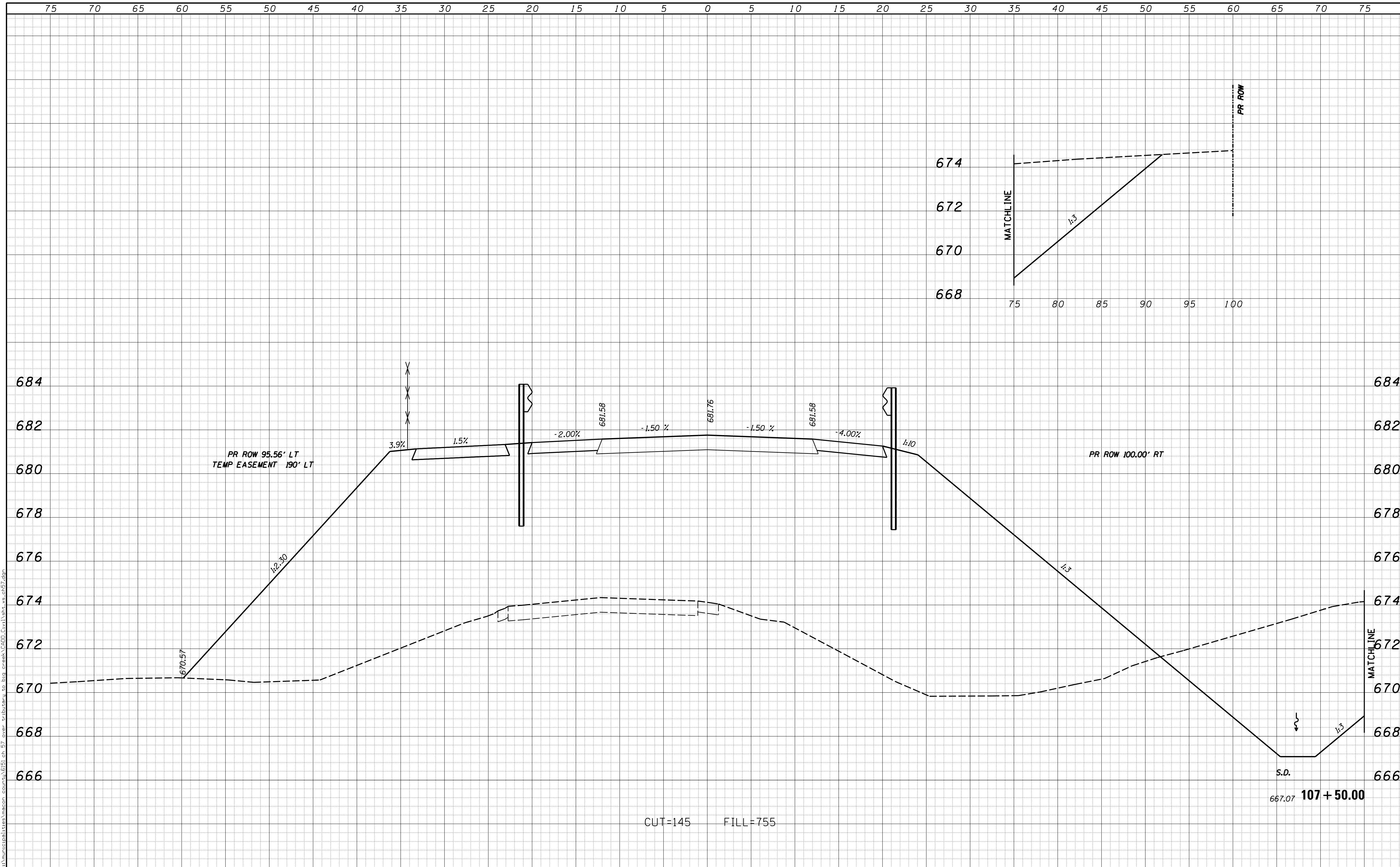
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	84
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				ILLINOIS FED. AID PROJECT						

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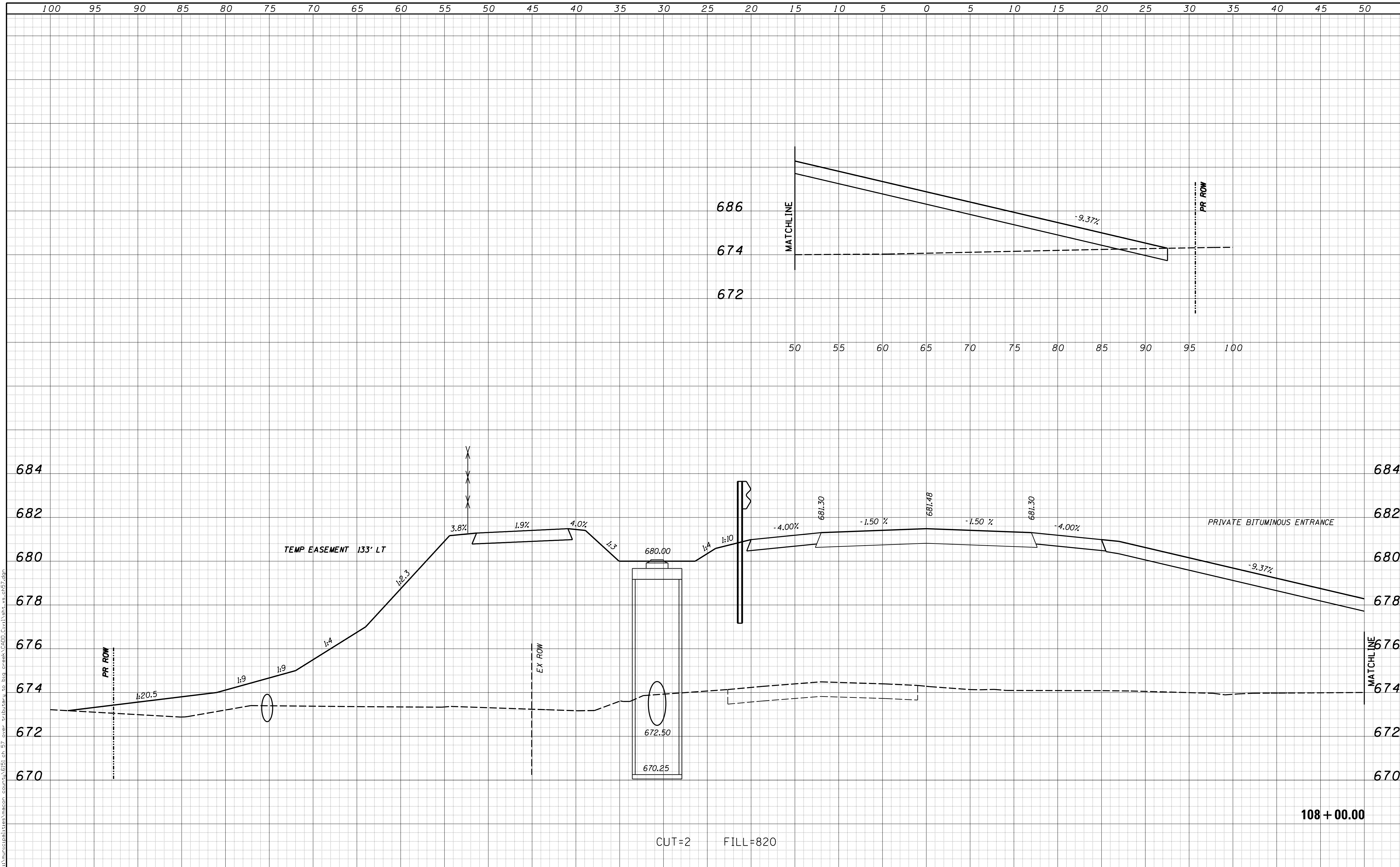
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	85	
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 107+50.00	TO STA. 107+50.00	CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT											

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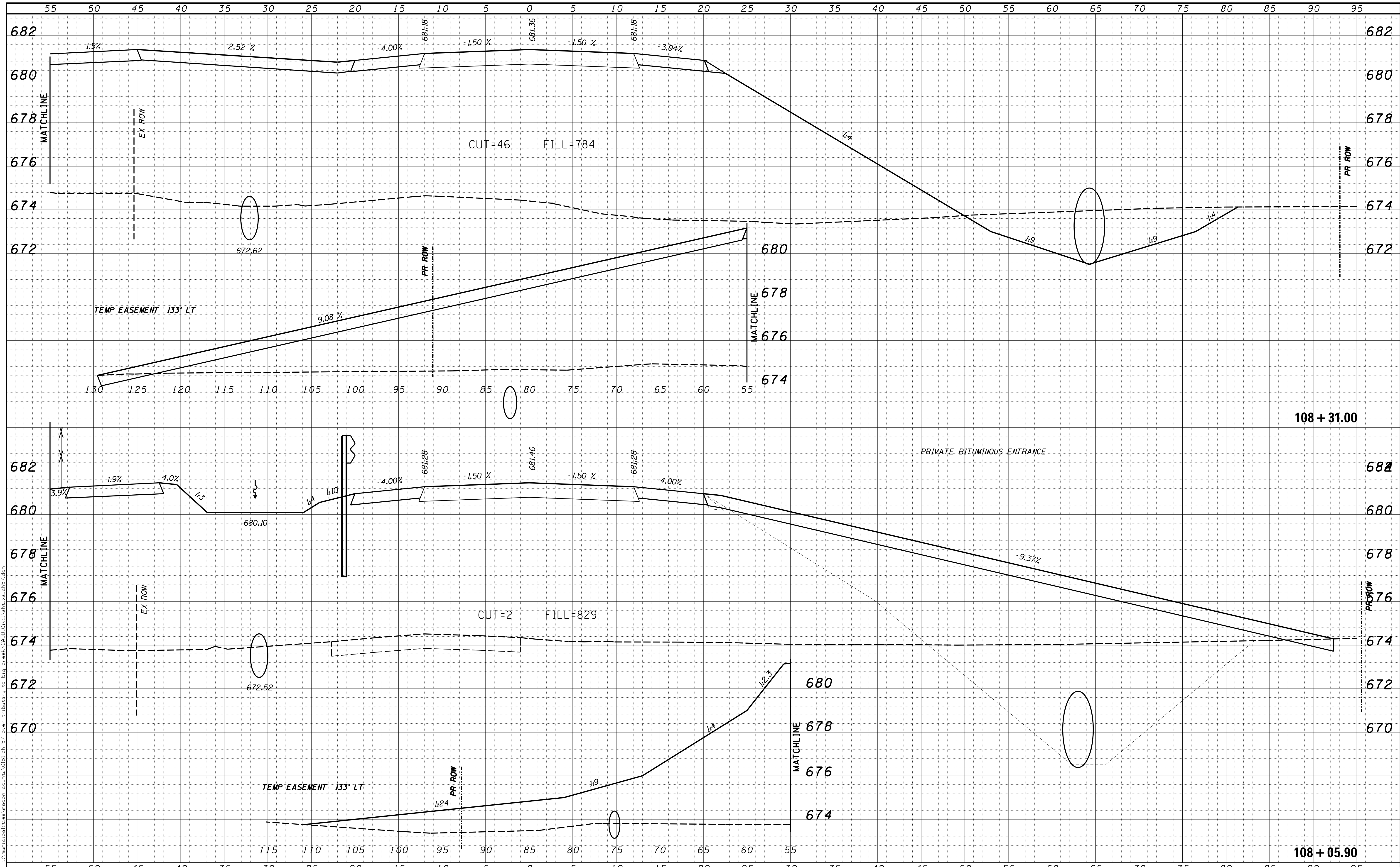
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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	86	
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 108+00.00	TO STA. 108+00.00	CONTRACT NO. 95798 ILLINOIS FED. AID PROJECT
	DATE -	REVISD -									

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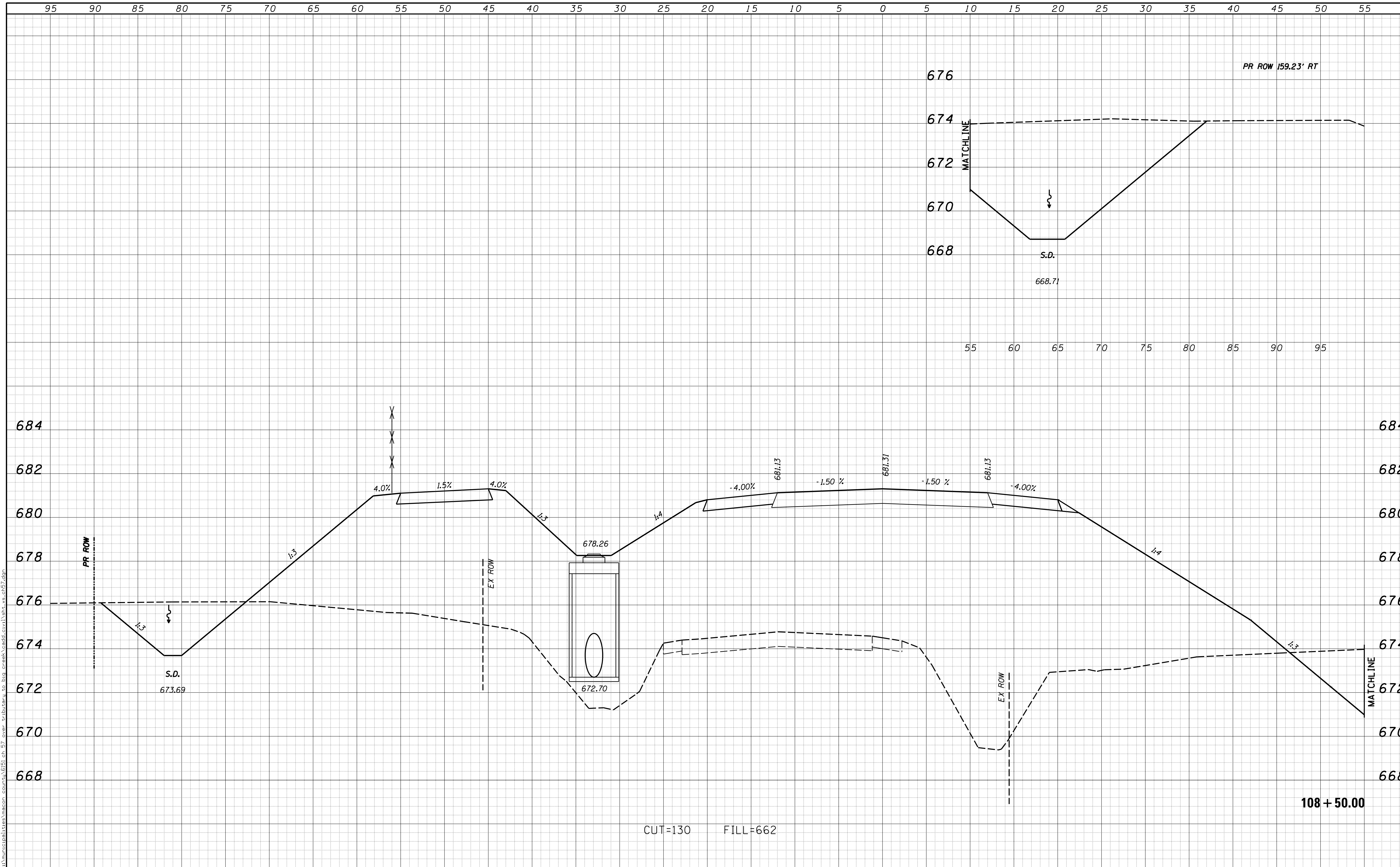
CHASTAIN & ASSOCIATES LLC	CONSULTING ENGINEERS
DECATUR (217) 422-8544	SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050	184-001397

CROSS SECTIONS	
COUNTY HIGHWAY 57	
SCALE: 5'H / 2'V	SHEET NO. OF SHEETS
STA. 108+05.90 TO STA. 108+31.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	87
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

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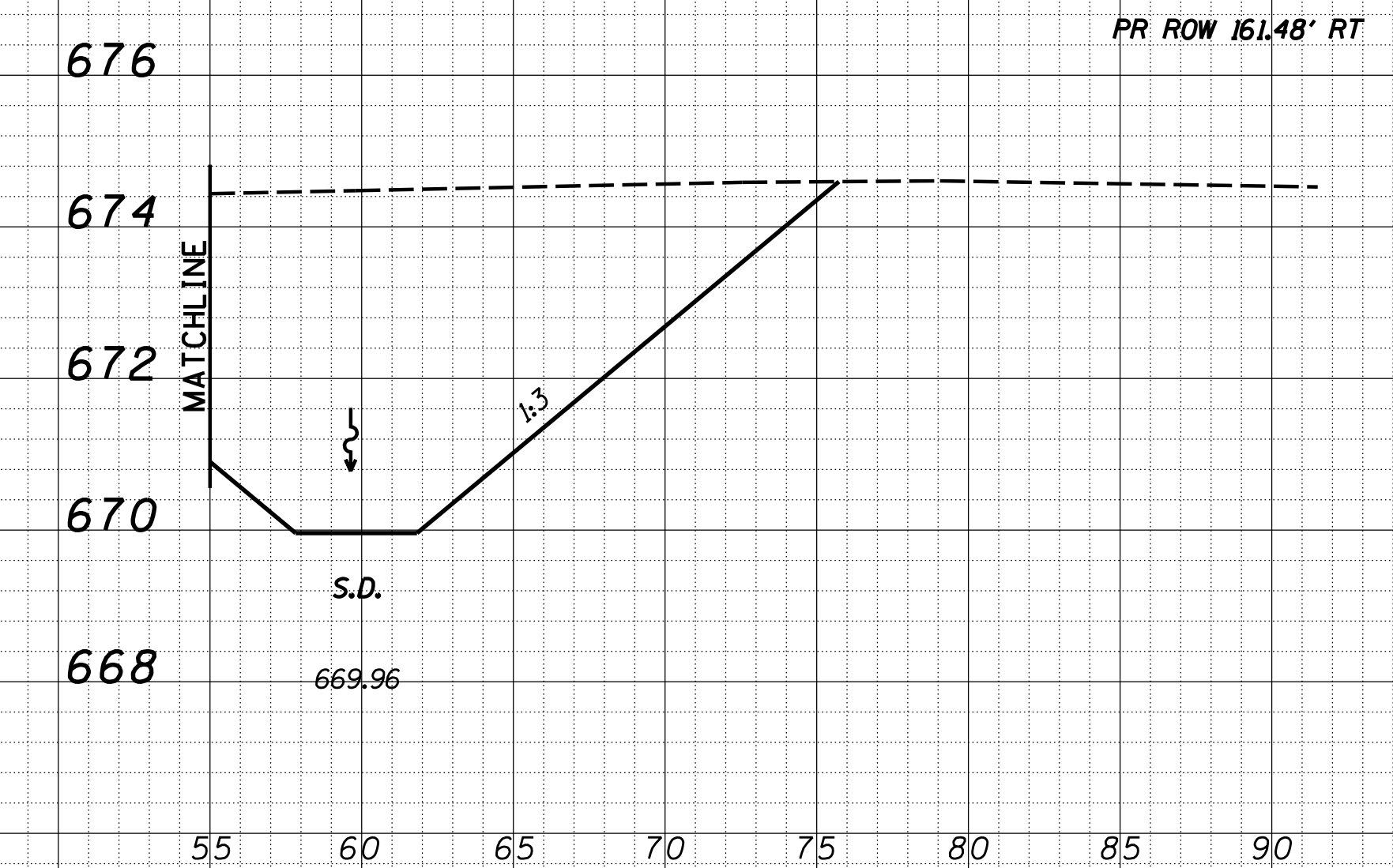
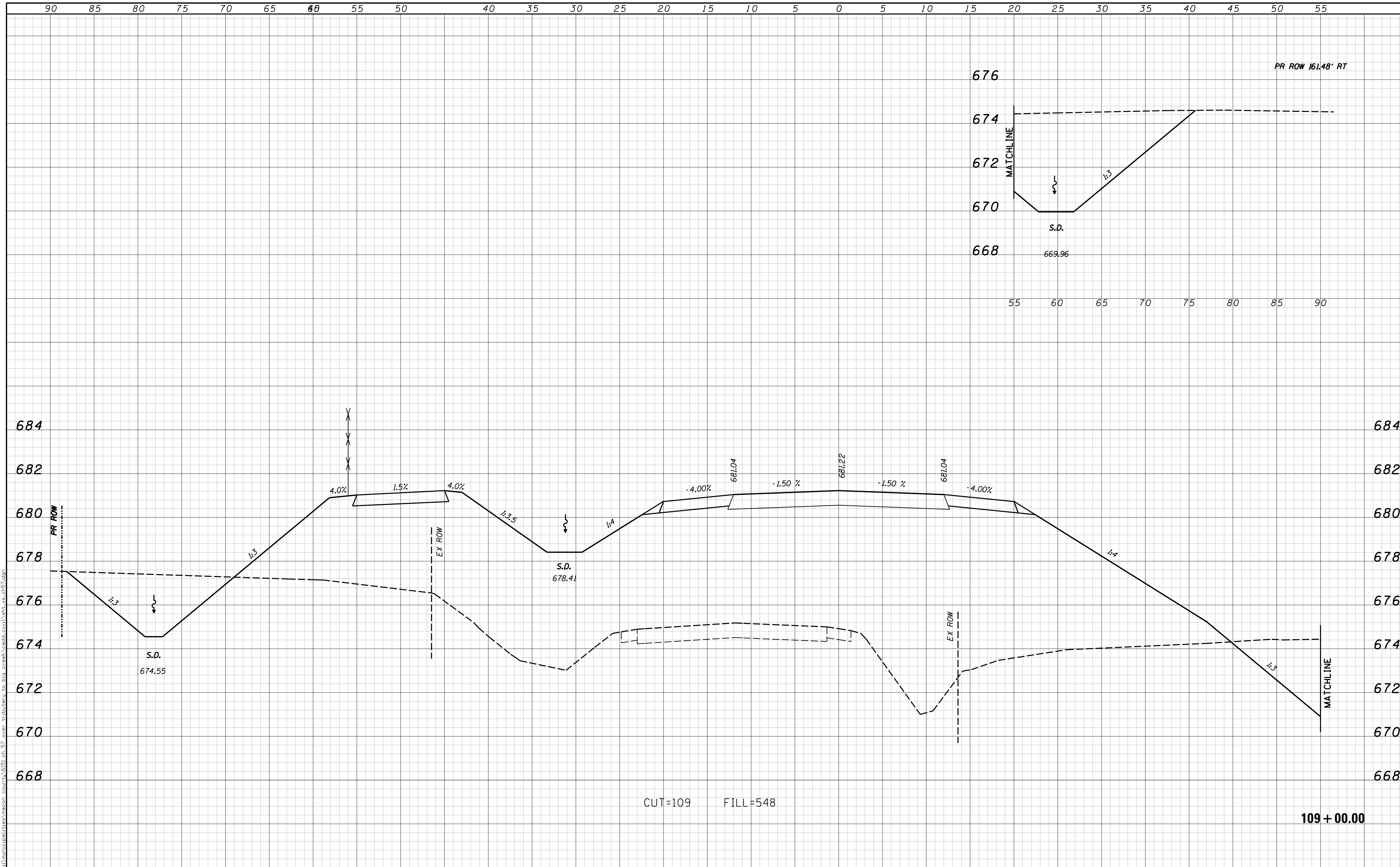
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	88	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 108+50.00	TO STA. 108+50.00	CONTRACT NO. 95798 ILLINOIS FED. AID PROJECT
	DATE -	REVISIED -									

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CUT=109 FILL=548

109+00.00

USER NAME = rkocher	DESIGNED -	REVISD -
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISD -
PLOT DATE = 1/22/2019	CHECKED -	REVISD -
	DATE -	REVISD -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

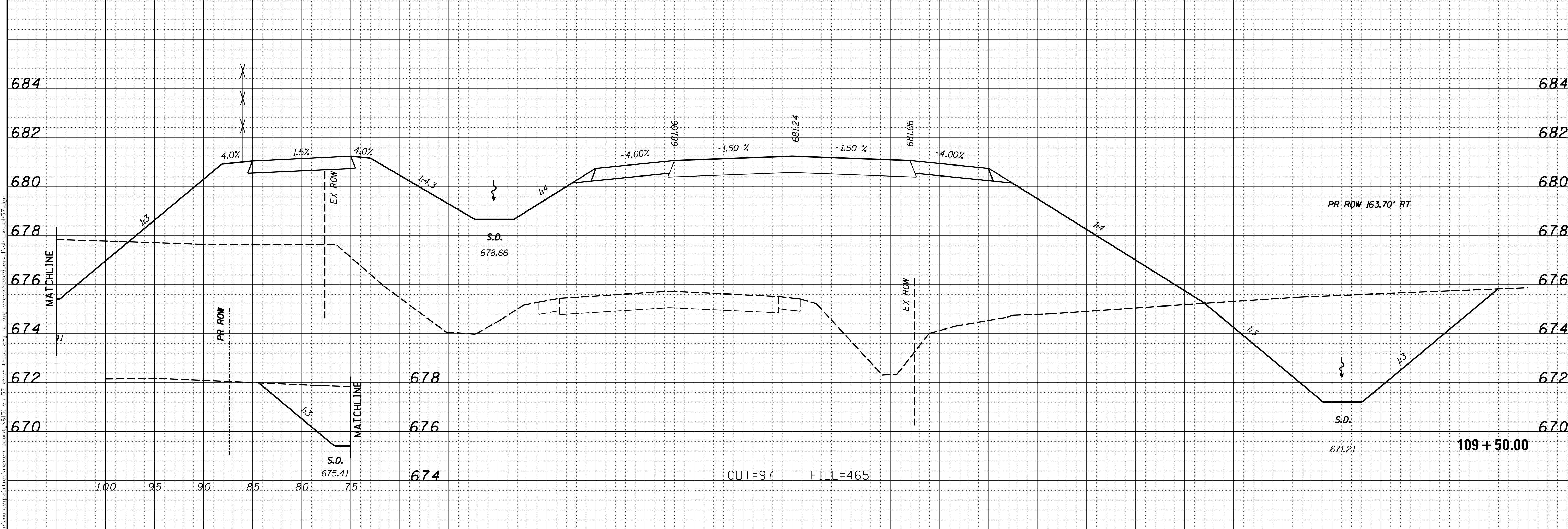
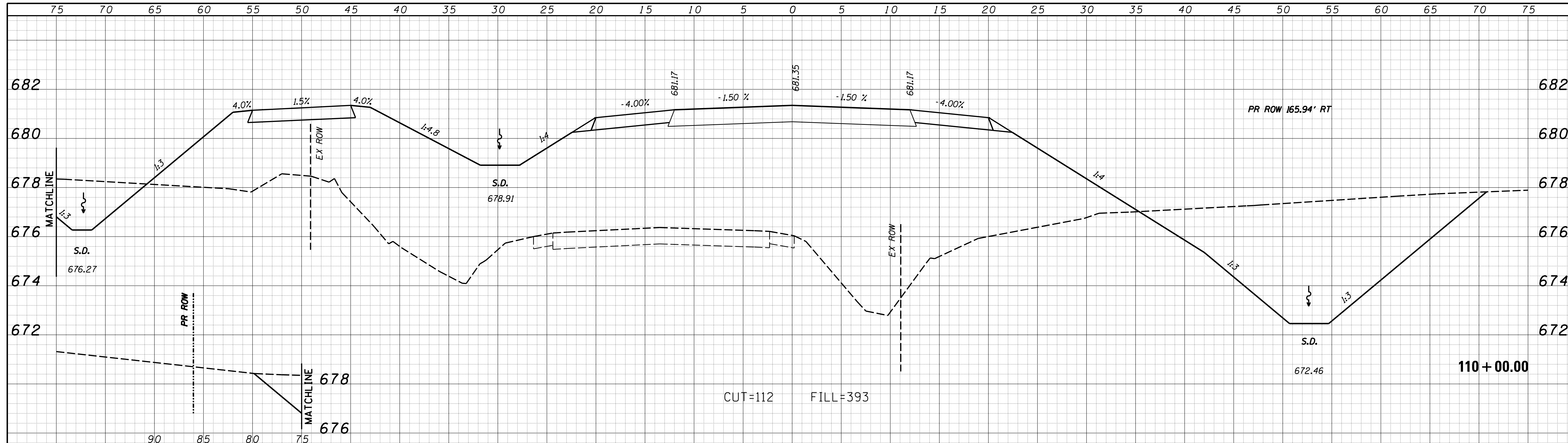
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS			
COUNTY HIGHWAY 57			
SCALE: 5'H / 2'V	SHEET NO.	OF SHEETS	STA. 109+00.00 TO STA. 109+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	89
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

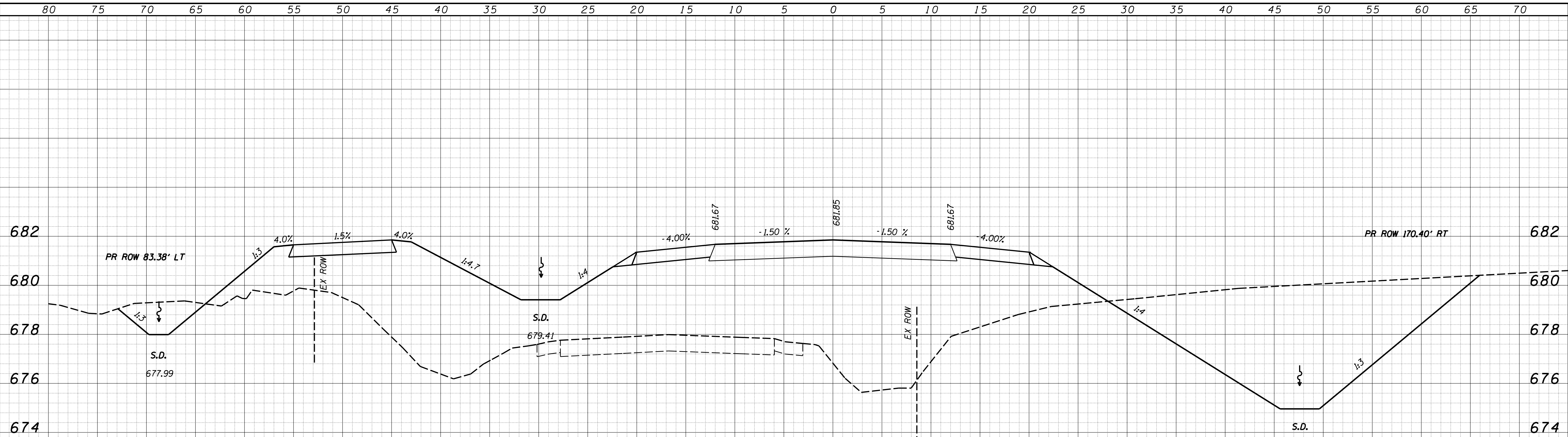
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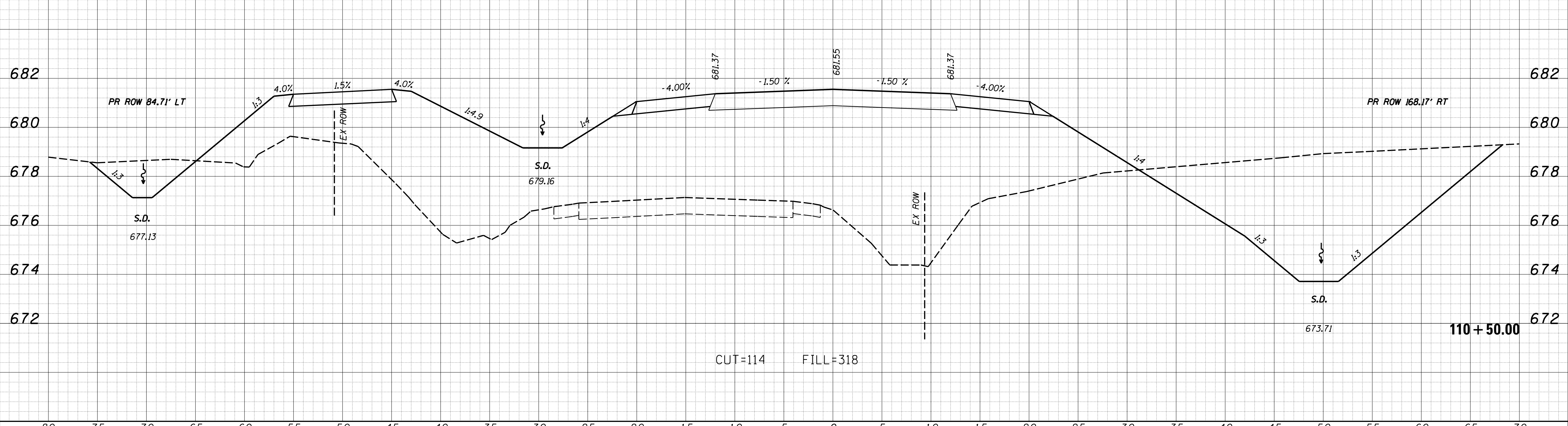
USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISD -				7413	12-00249-00-BR	MACON	117	90	
PLOT DATE = 1/22/2019	DATE -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 109+50.00	TO STA. 110+00.00	CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT											

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110 + 50.00

USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

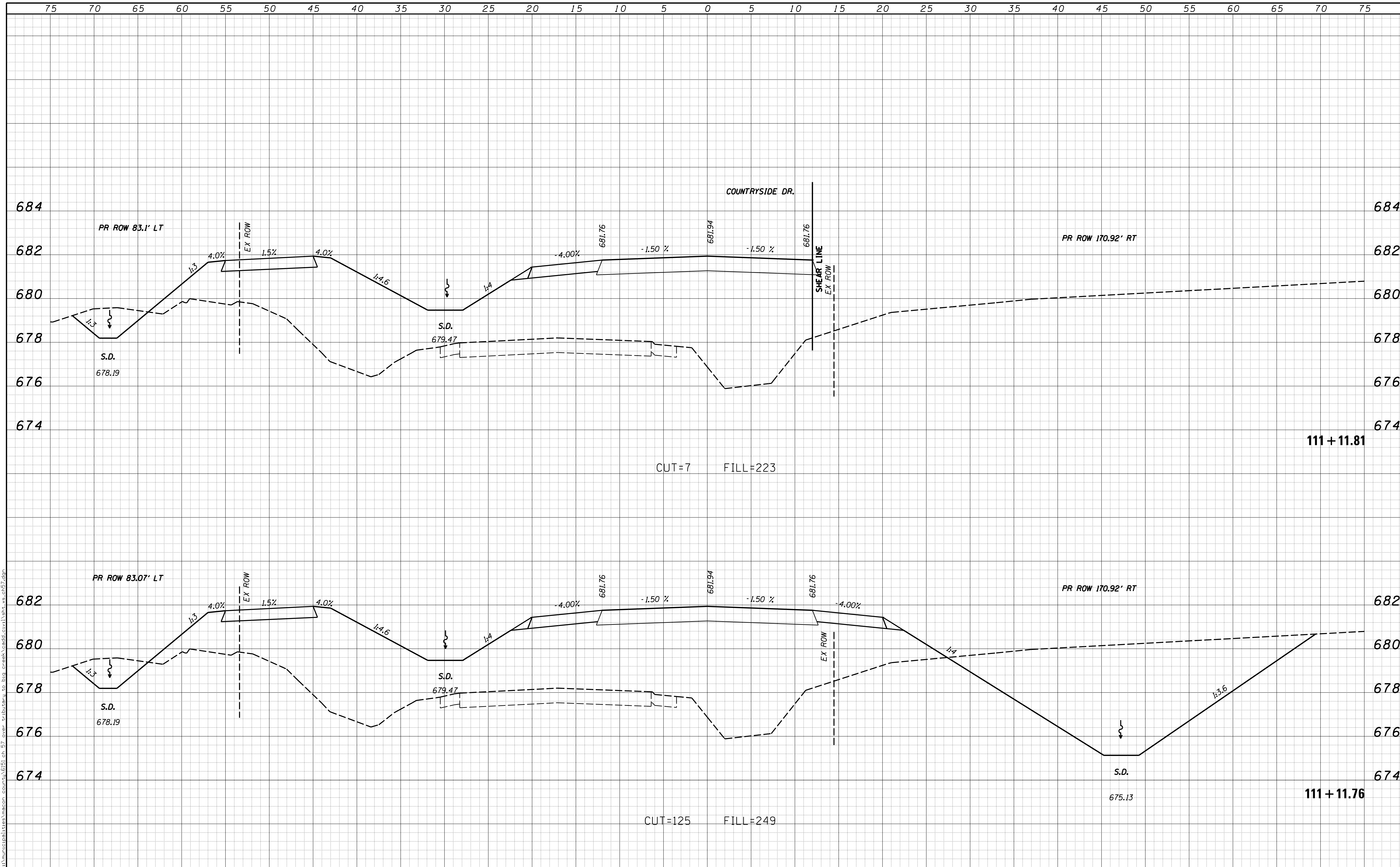
CROSS SECTIONS
COUNTY HIGHWAY 57

SCALE: 5'H / 2"V SHEET NO. OF SHEETS STA. 110+50.00 TO STA. 111+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 95798	

DATE	
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NOTE BOOK	PLOTTED
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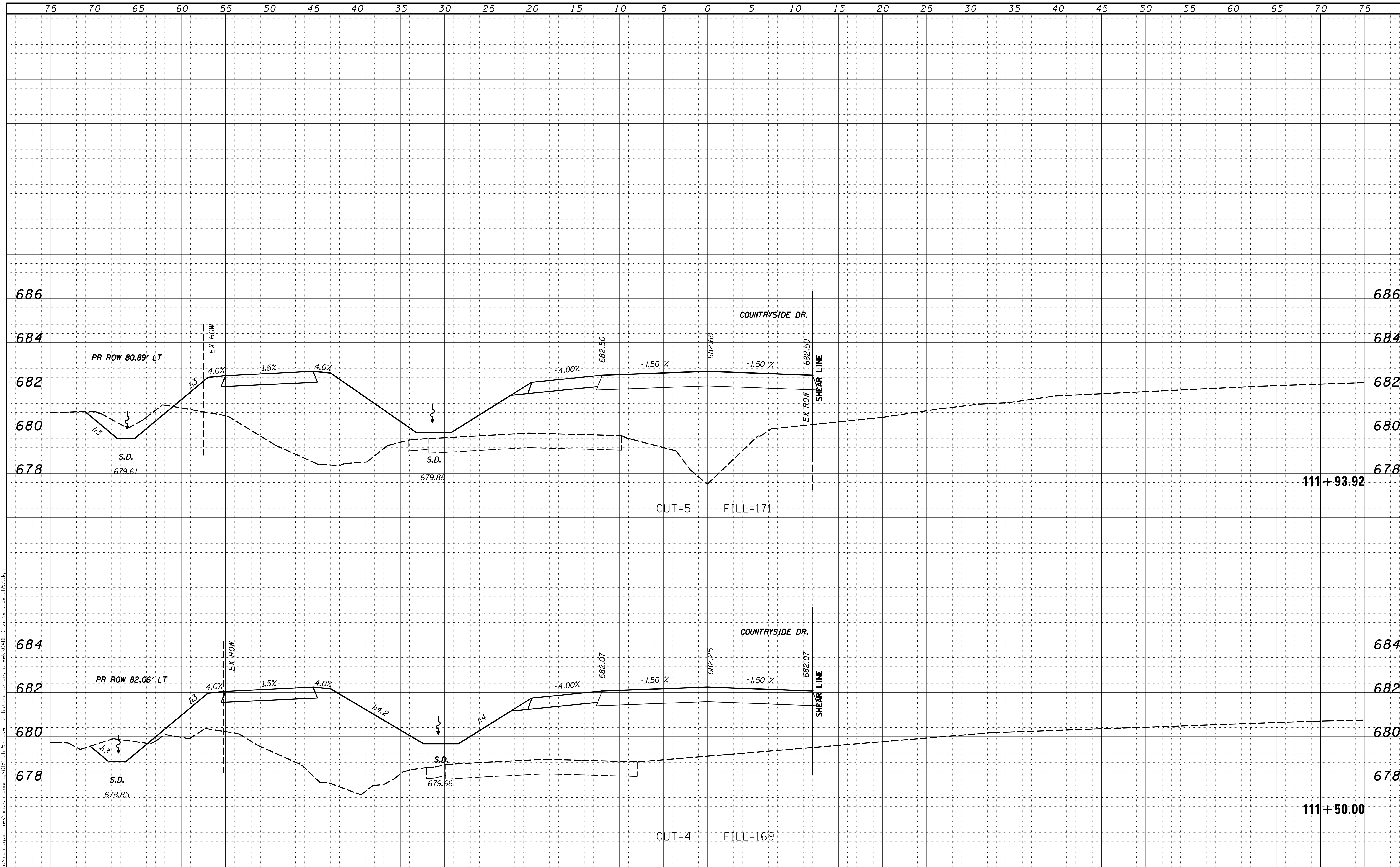
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	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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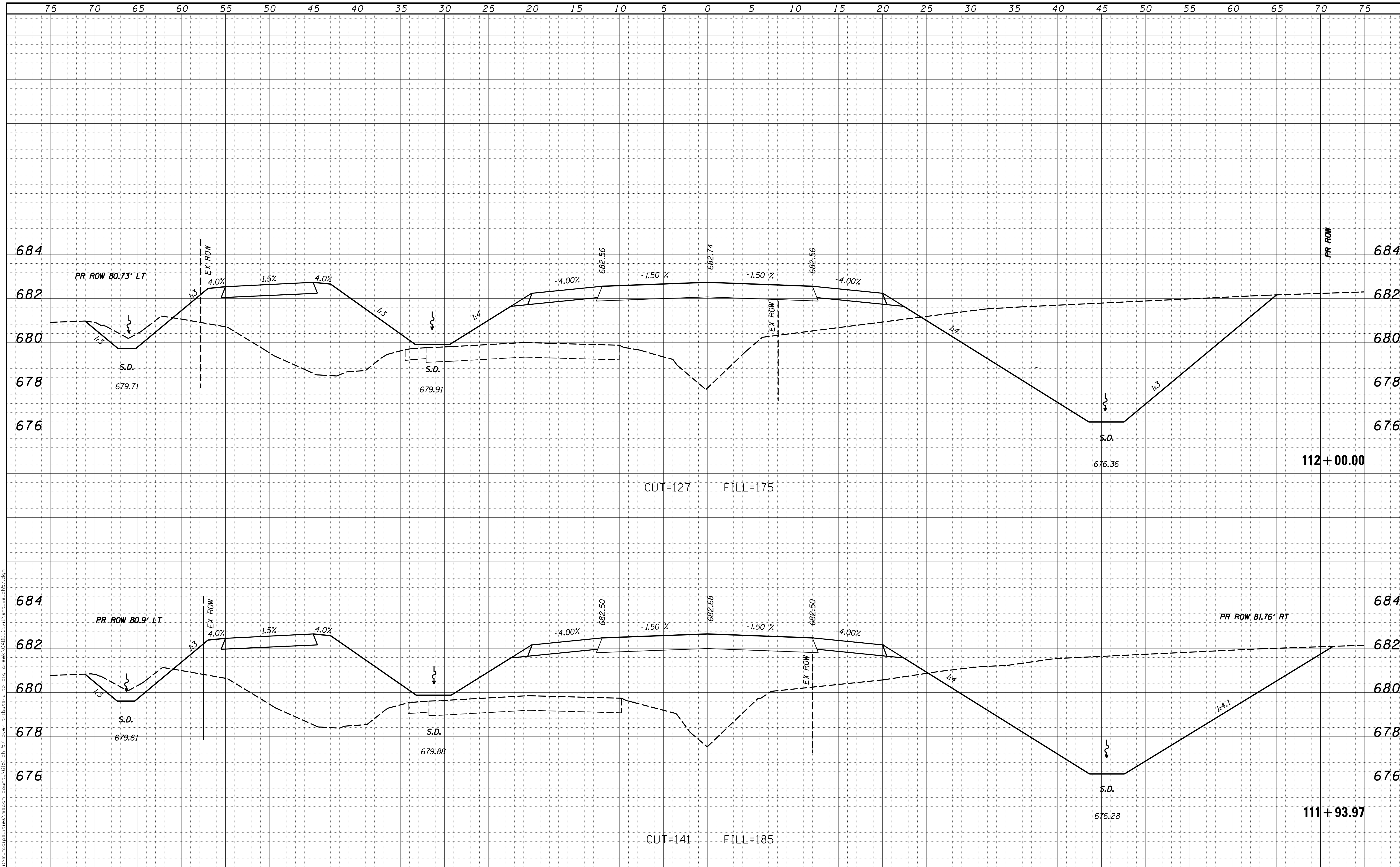
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	AREAS CHECKED
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	93	
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 111+50.00	TO STA. 111+93.92	CONTRACT NO. 95798
	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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

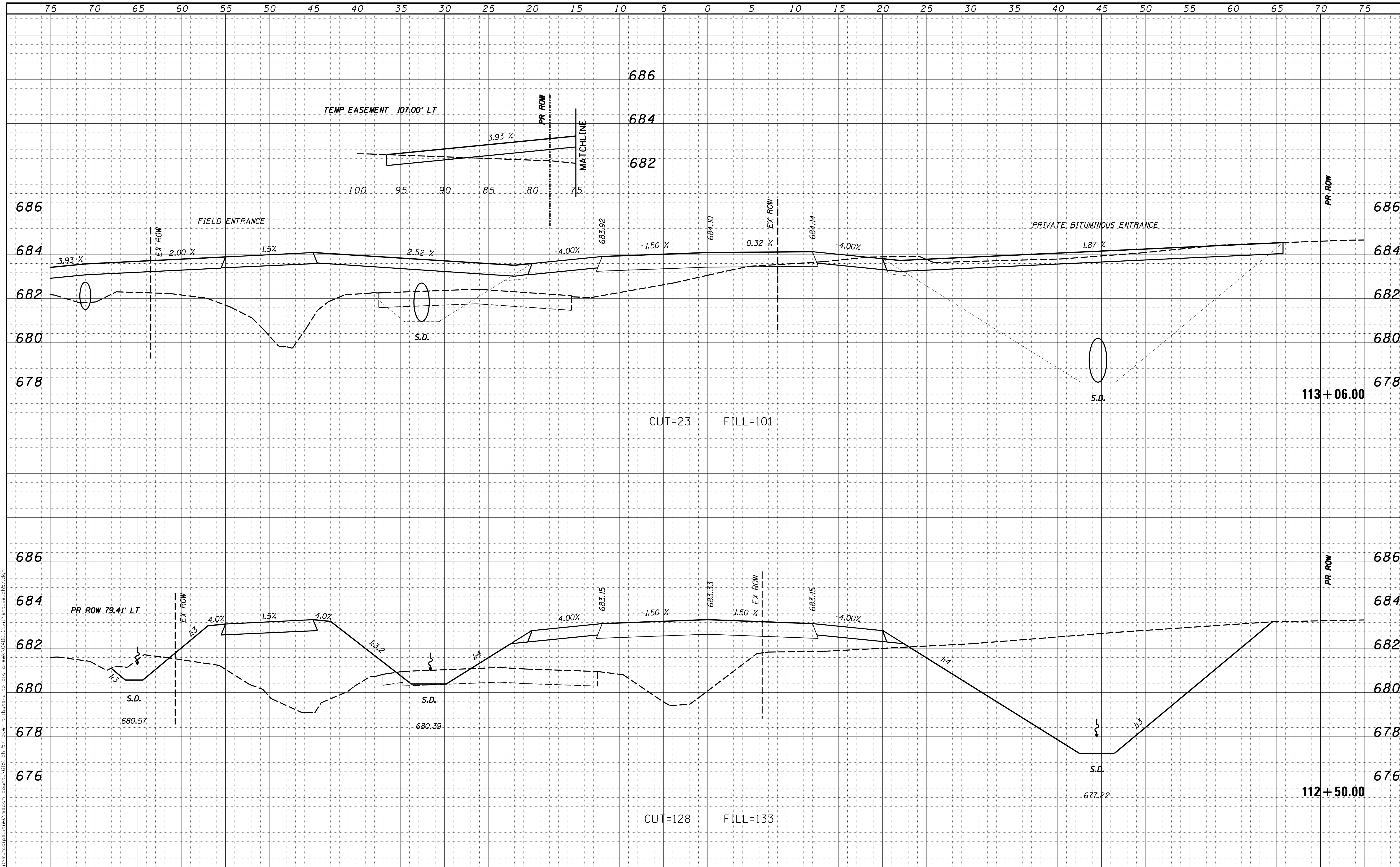
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1" =	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	94	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 111+93.97	TO STA. 112+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

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

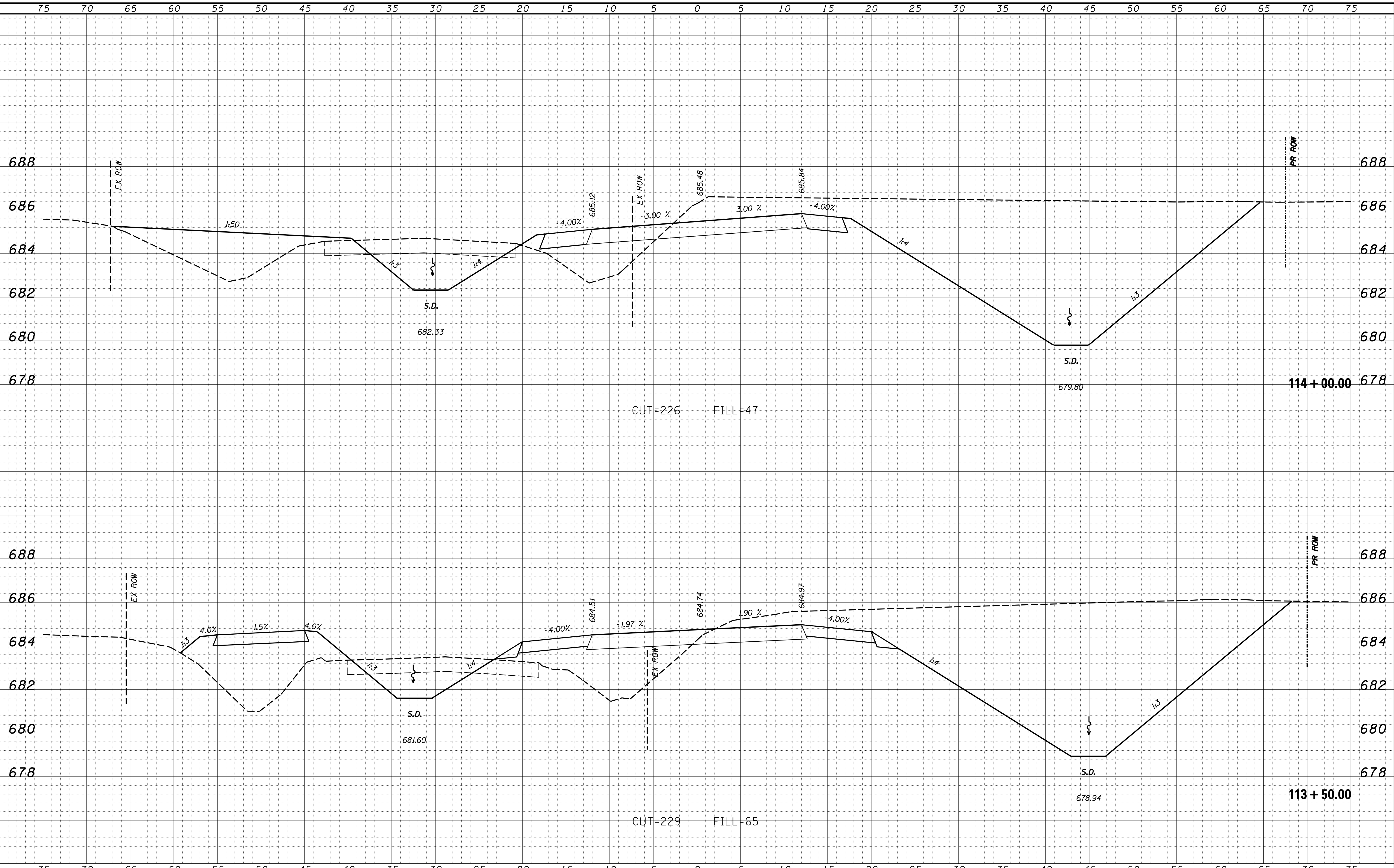


USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	95	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 112+50.00	TO STA. 113+06.00	CONTRACT NO. 95798
	DATE -	REVISIED -		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

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USER NAME = rkocher	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/22/2019	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

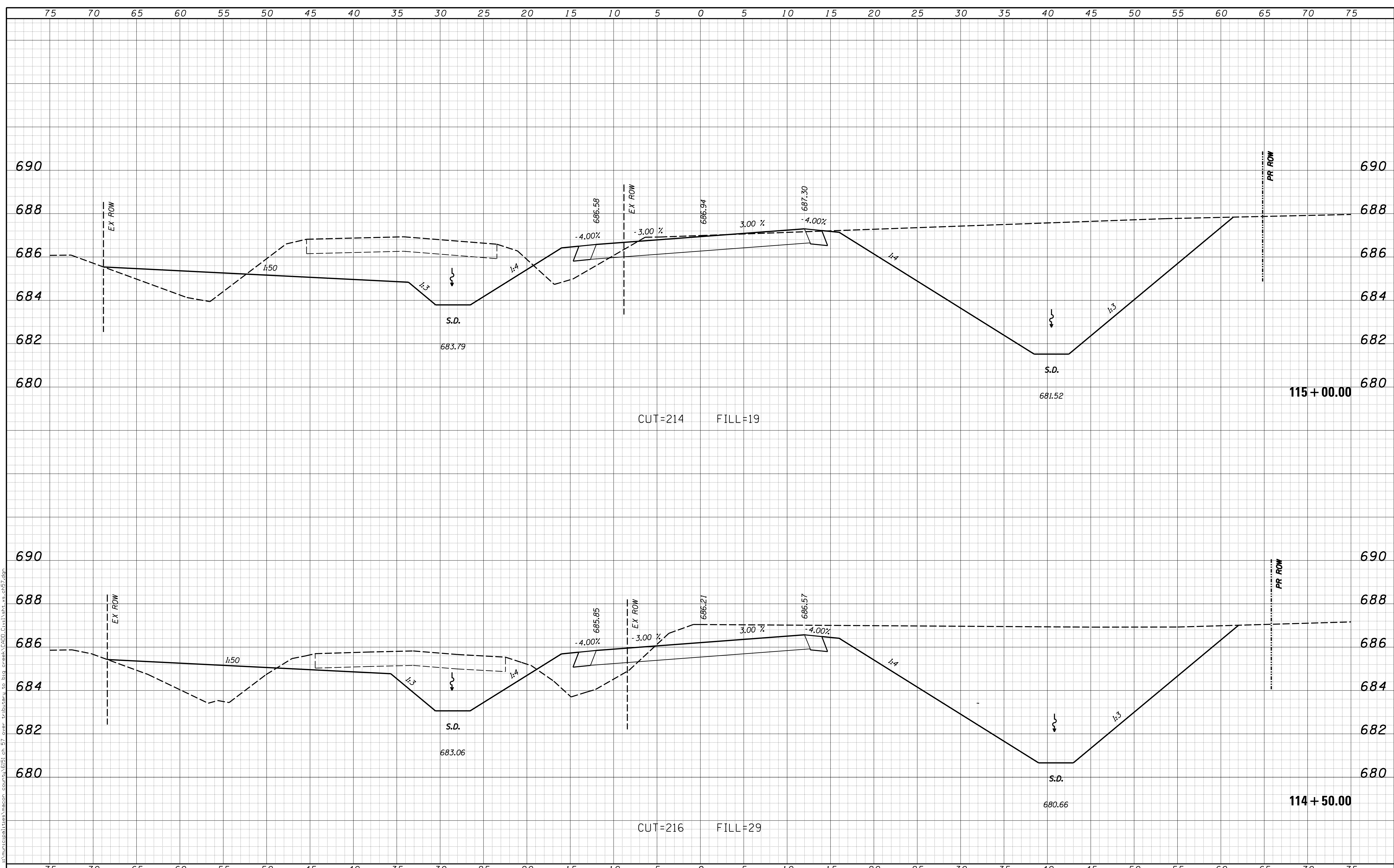
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS
COUNTY HIGHWAY 57
SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 113+50.00 TO STA. 114+00.00

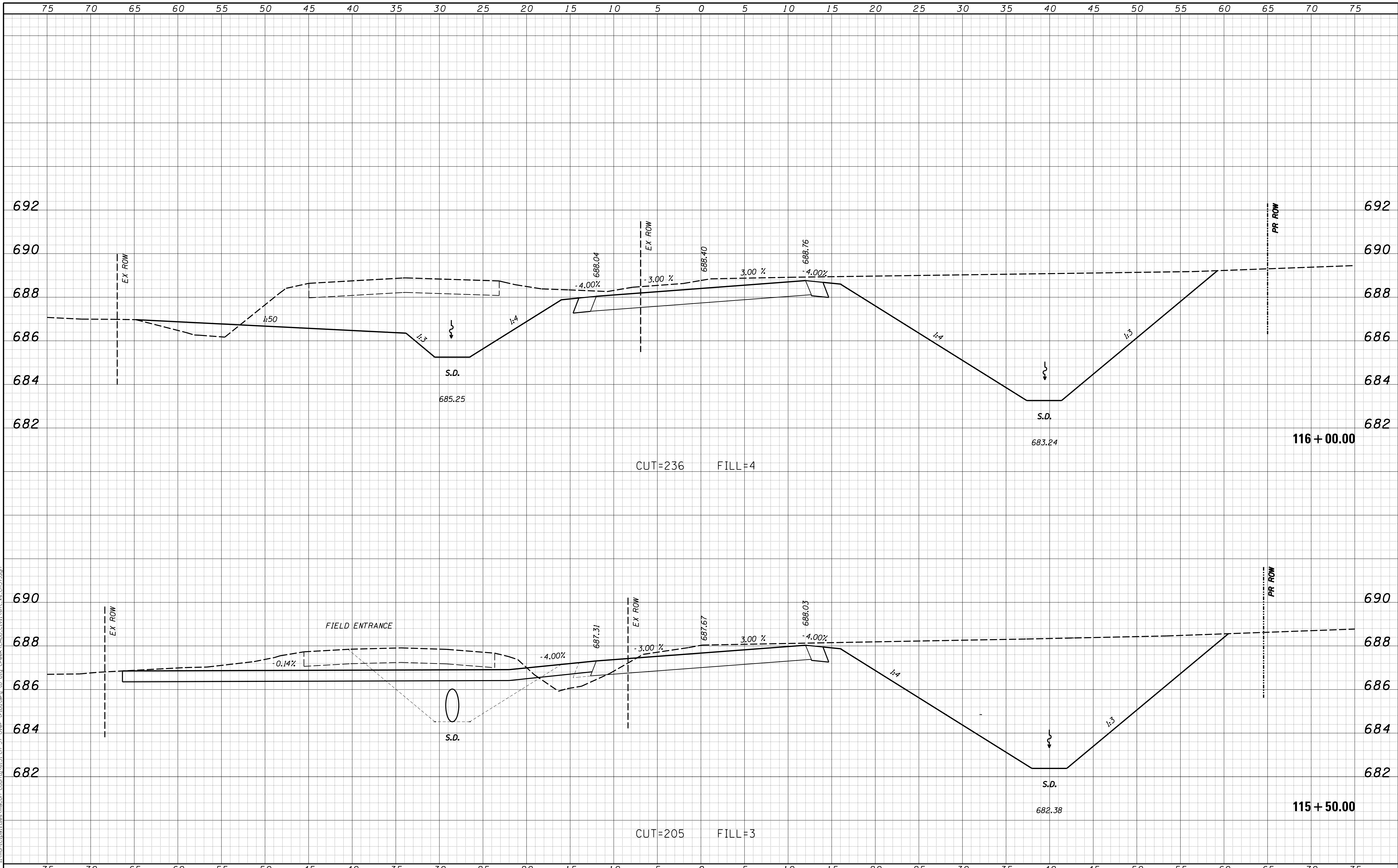
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	96
			CONTRACT NO. 95798	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	97
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 114+50.00	TO STA. 115+00.00
	DATE -	REVISD -		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
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	AREAS CHECKED

USER NAME = rkoehner
 PLOT SCALE = 5.0000' / 1"
 PLOT DATE = 1/22/2019

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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

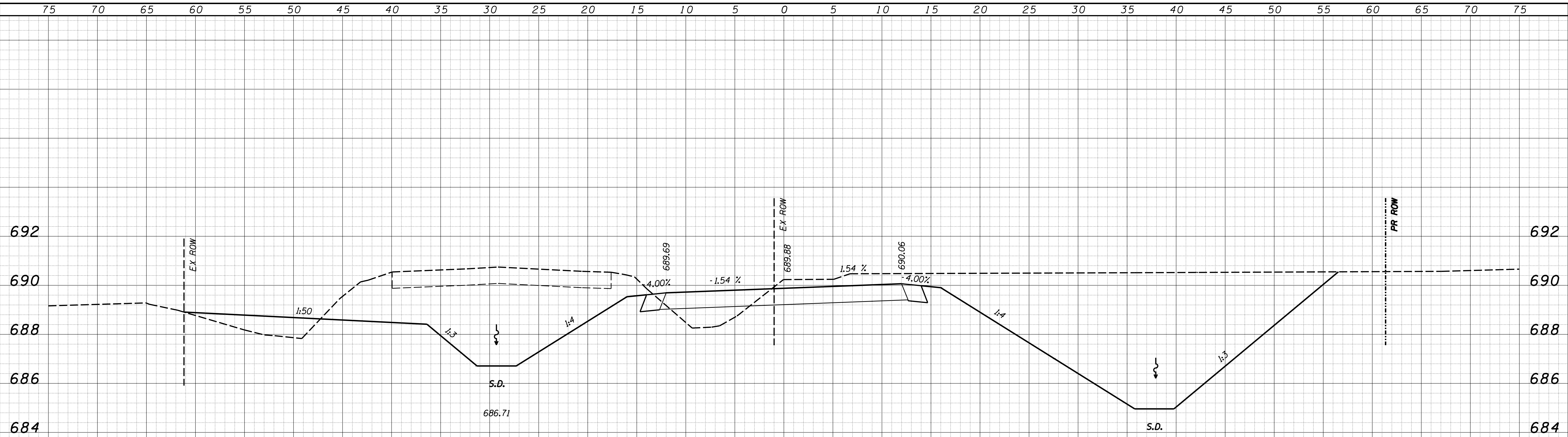
DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

CROSS SECTIONS
COUNTY HIGHWAY 57

SCALE: 5'H / 2"V SHEET NO. OF SHEETS STA. 115+50.00 TO STA. 116+00.00

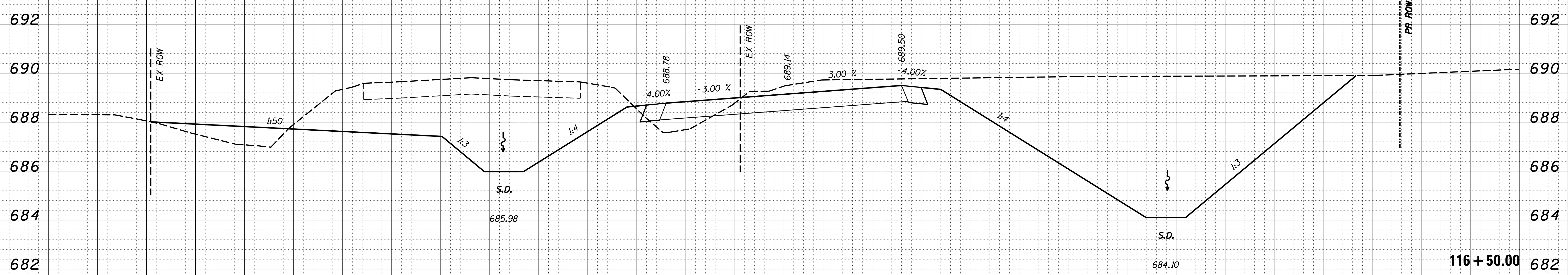
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	98
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

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



CUT=212 FILL=12

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



CUT=223 FILL=9

USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

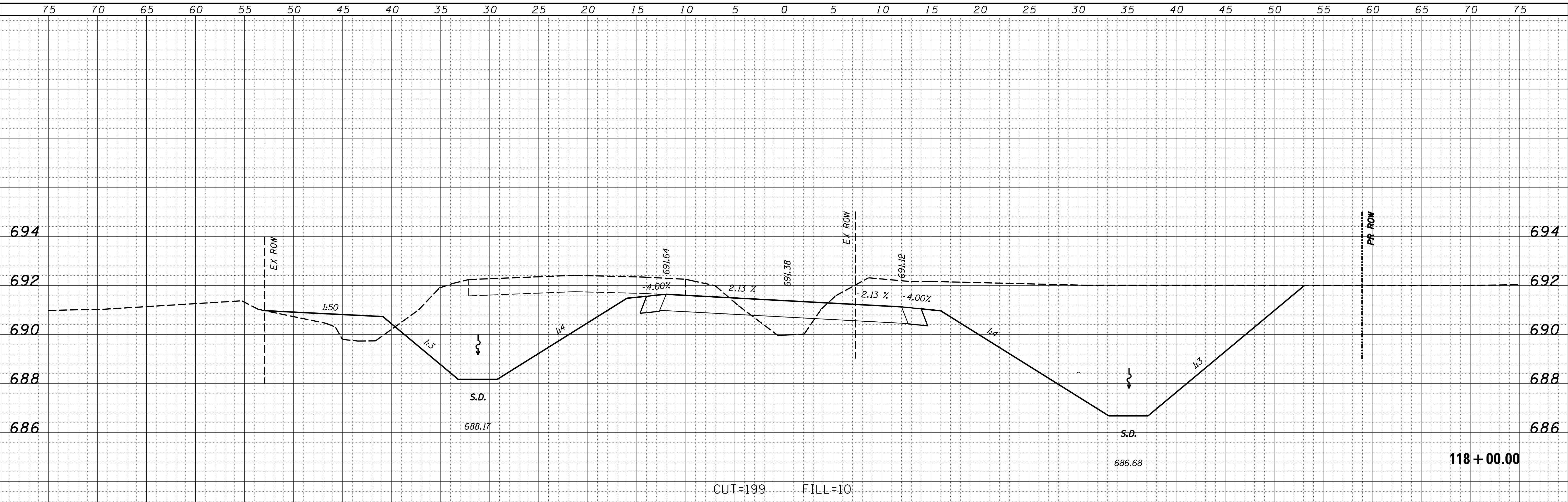
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS
COUNTY HIGHWAY 57

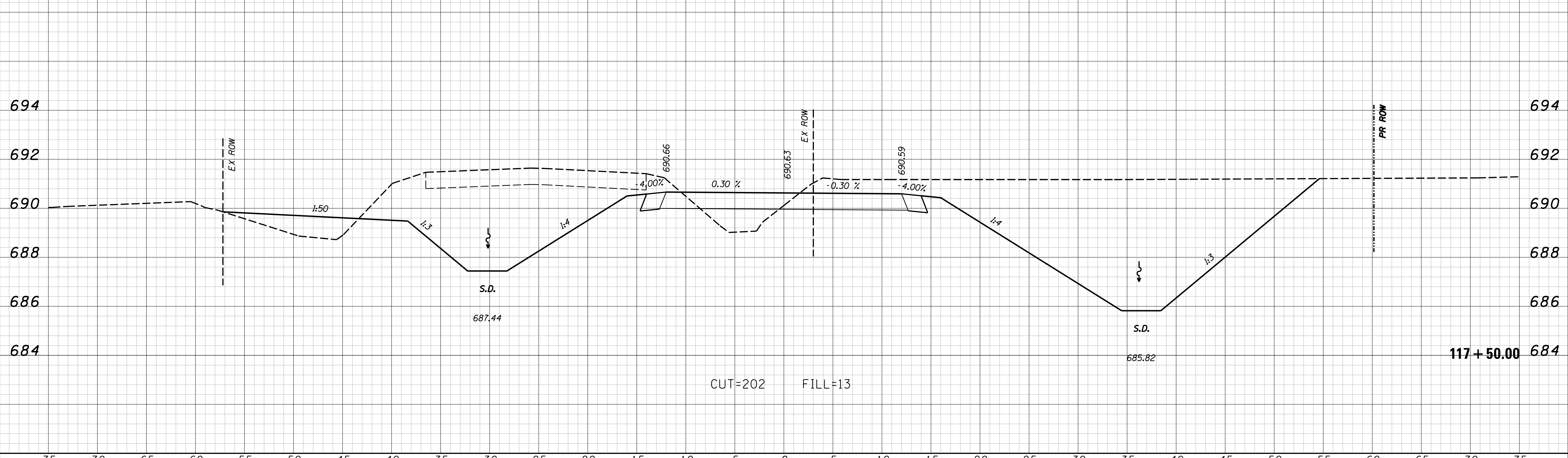
SCALE: 5'H / 2"V SHEET NO. OF SHEETS STA. 116+50.00 TO STA. 117+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	99
CONTRACT NO. 95798			ILLINOIS FED. AID PROJECT	

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



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



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USER NAME = rkocher	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 1/22/2019	DATE -	REVISED -

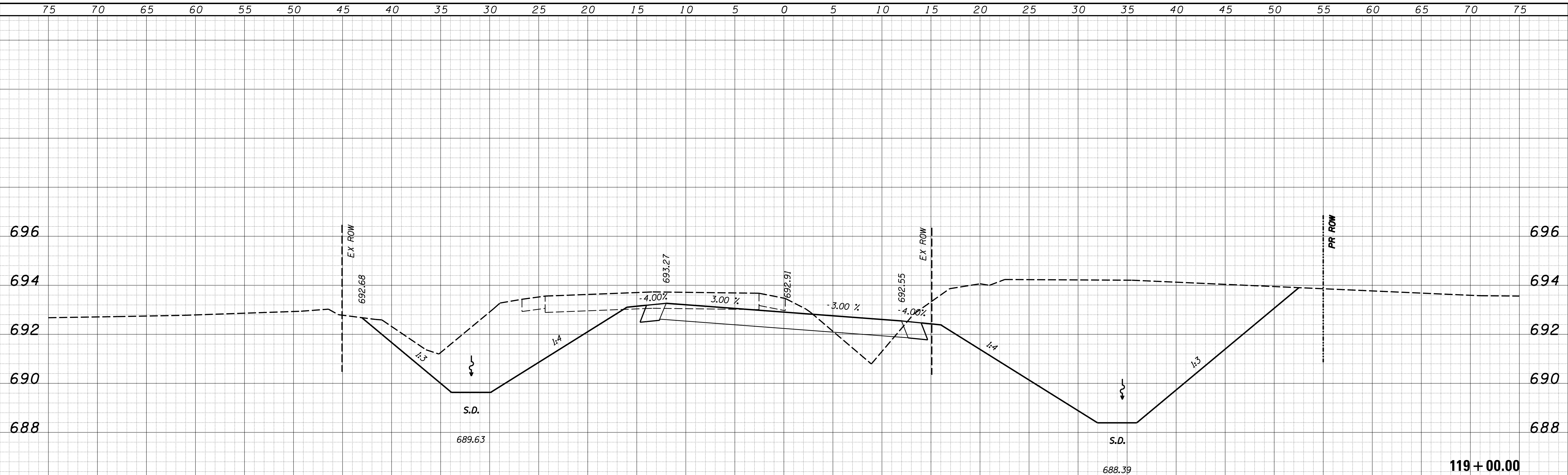
CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

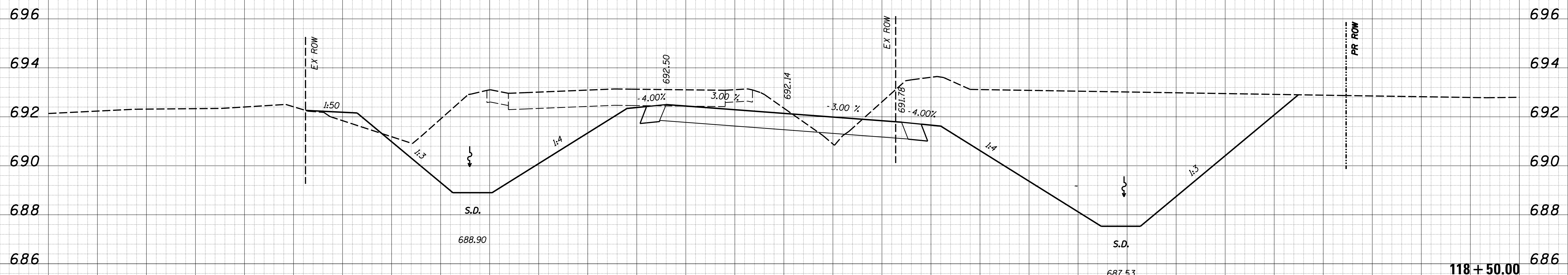
CROSS SECTIONS COUNTY HIGHWAY 57			
SCALE: 5'H / 2'V	SHEET NO.	OF SHEETS	STA. 117+50.00 TO STA. 118+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	100
CONTRACT NO.			95798	
ILLINOIS FED. AID PROJECT				

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



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



USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

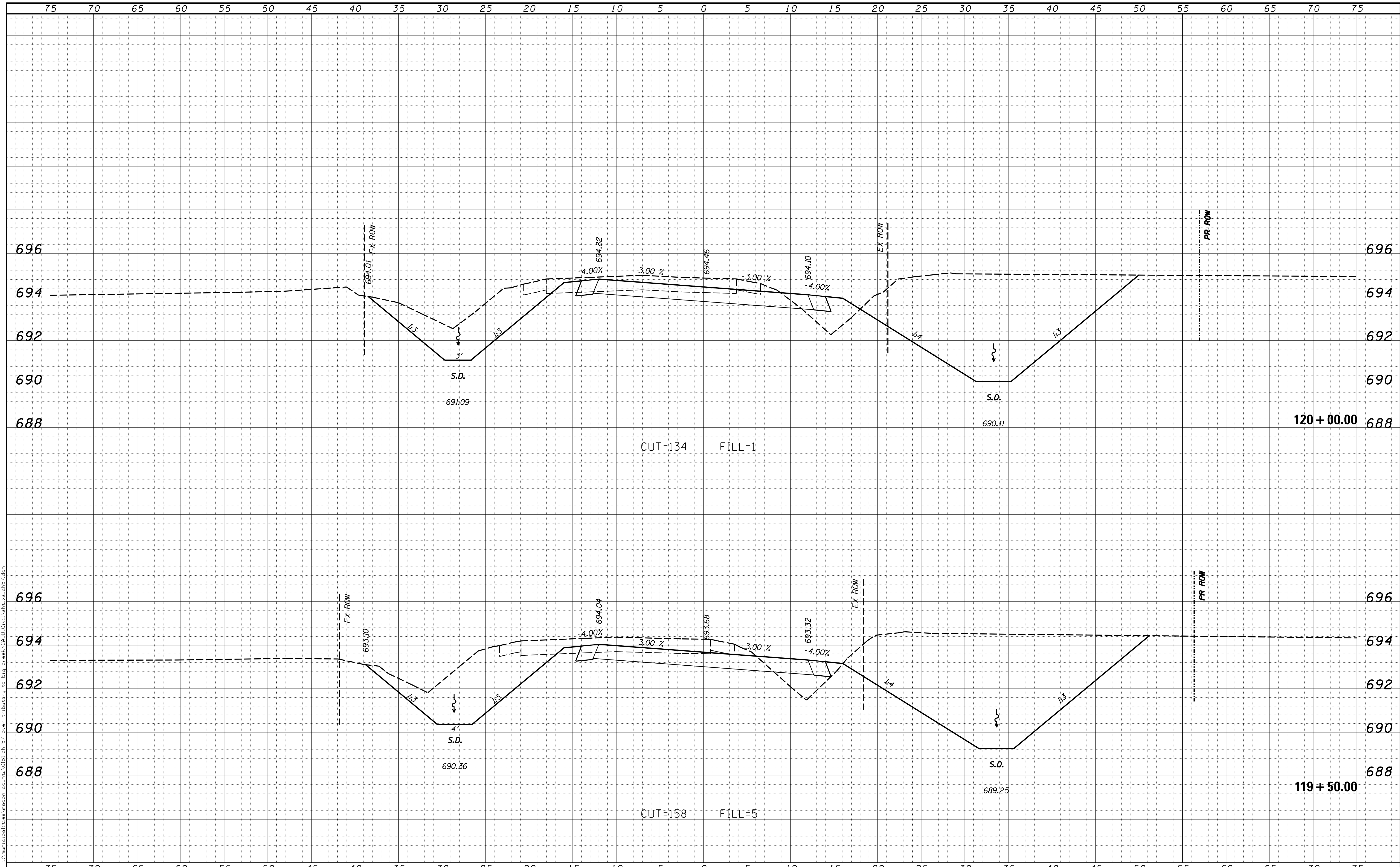
DECATUR (217) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

CROSS SECTIONS			
COUNTY HIGHWAY 57			
SCALE: 5'H / 2'V	SHEET NO.	OF SHEETS	STA. 118+50.00 TO STA. 119+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	101
CONTRACT NO. 95798				ILLINOIS FED. AID PROJECT

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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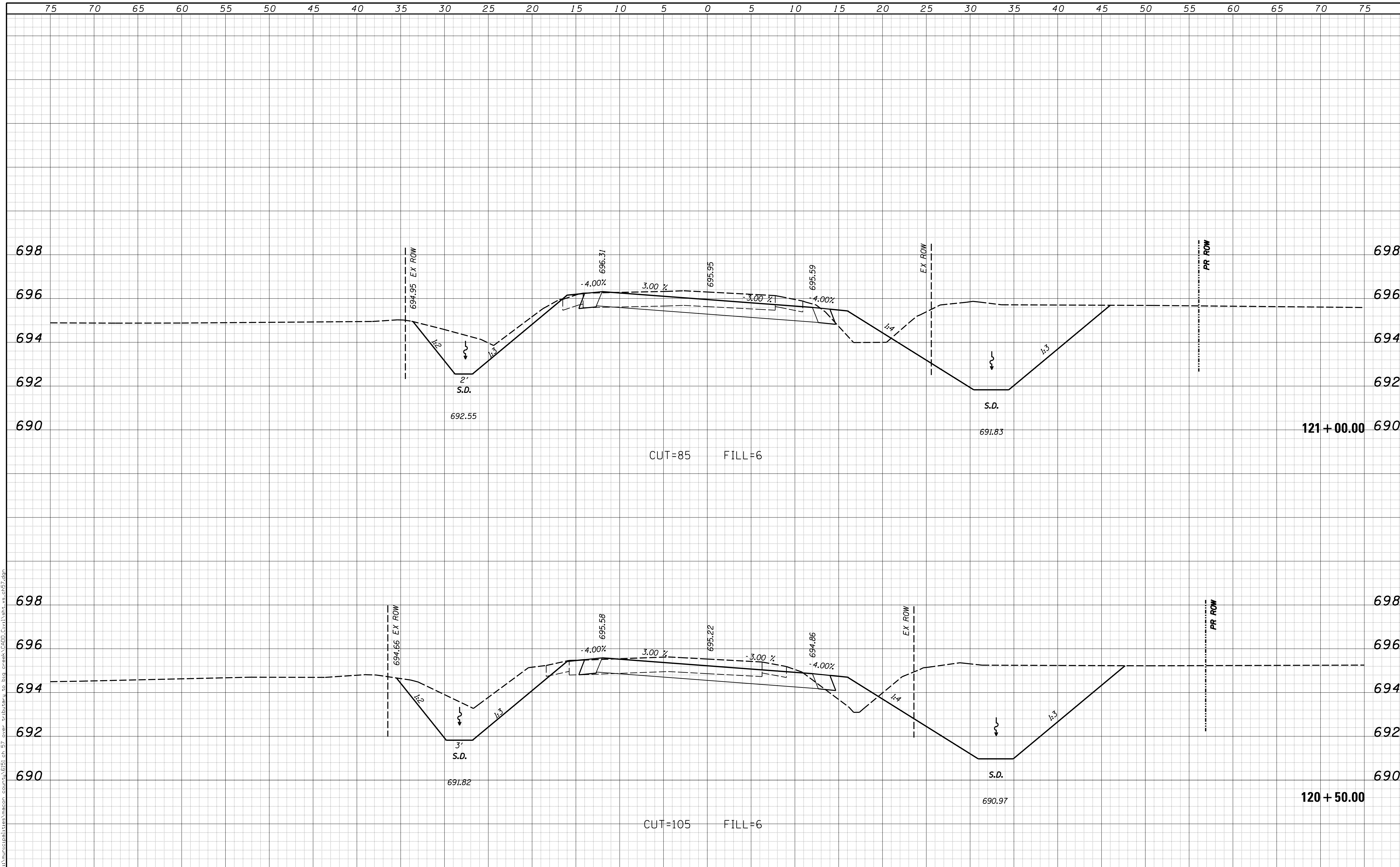
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NOTE BOOK	PLOTTED
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	102	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 119+50.00	TO STA. 120+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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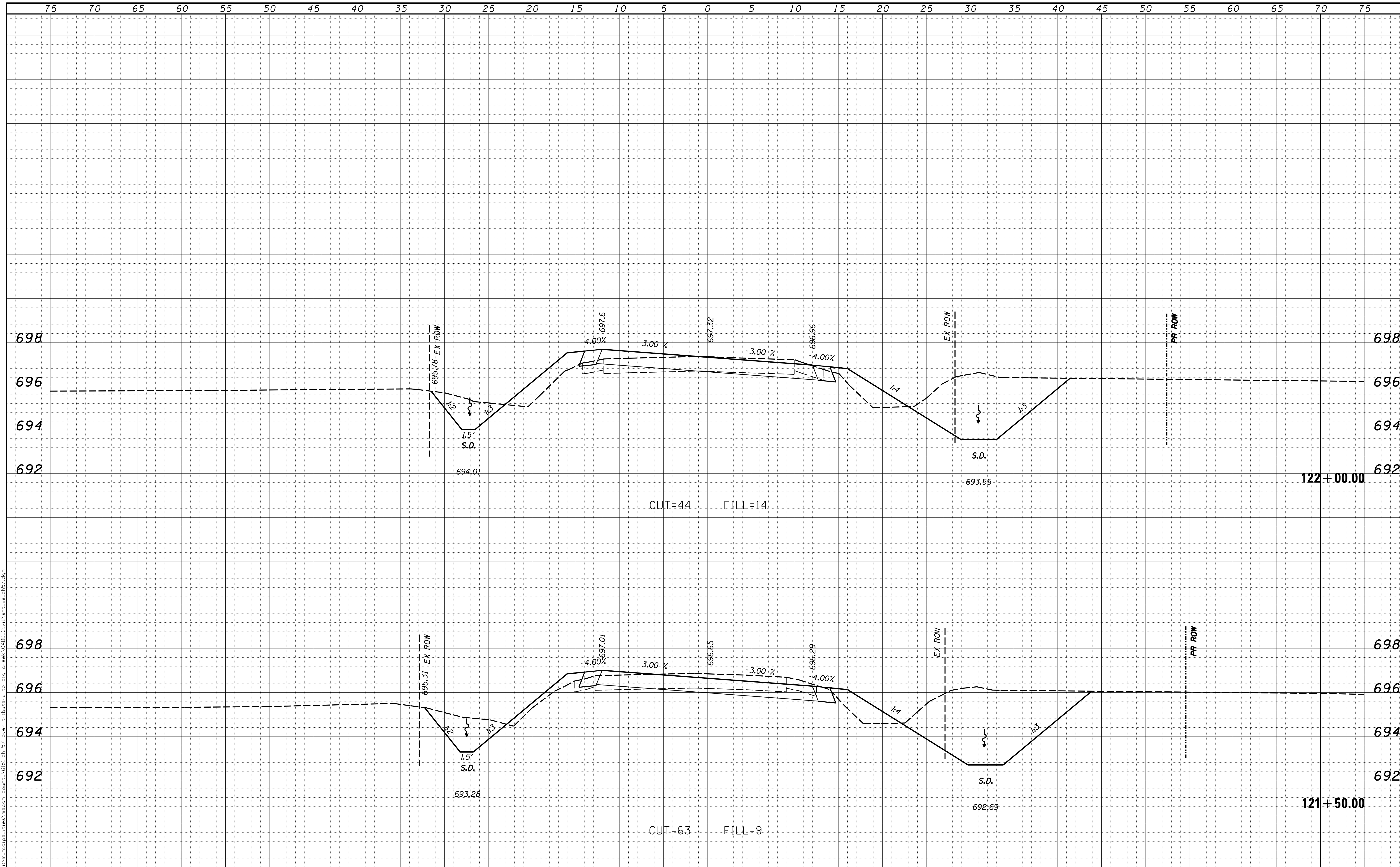
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	103	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 120+50.00	TO STA. 121+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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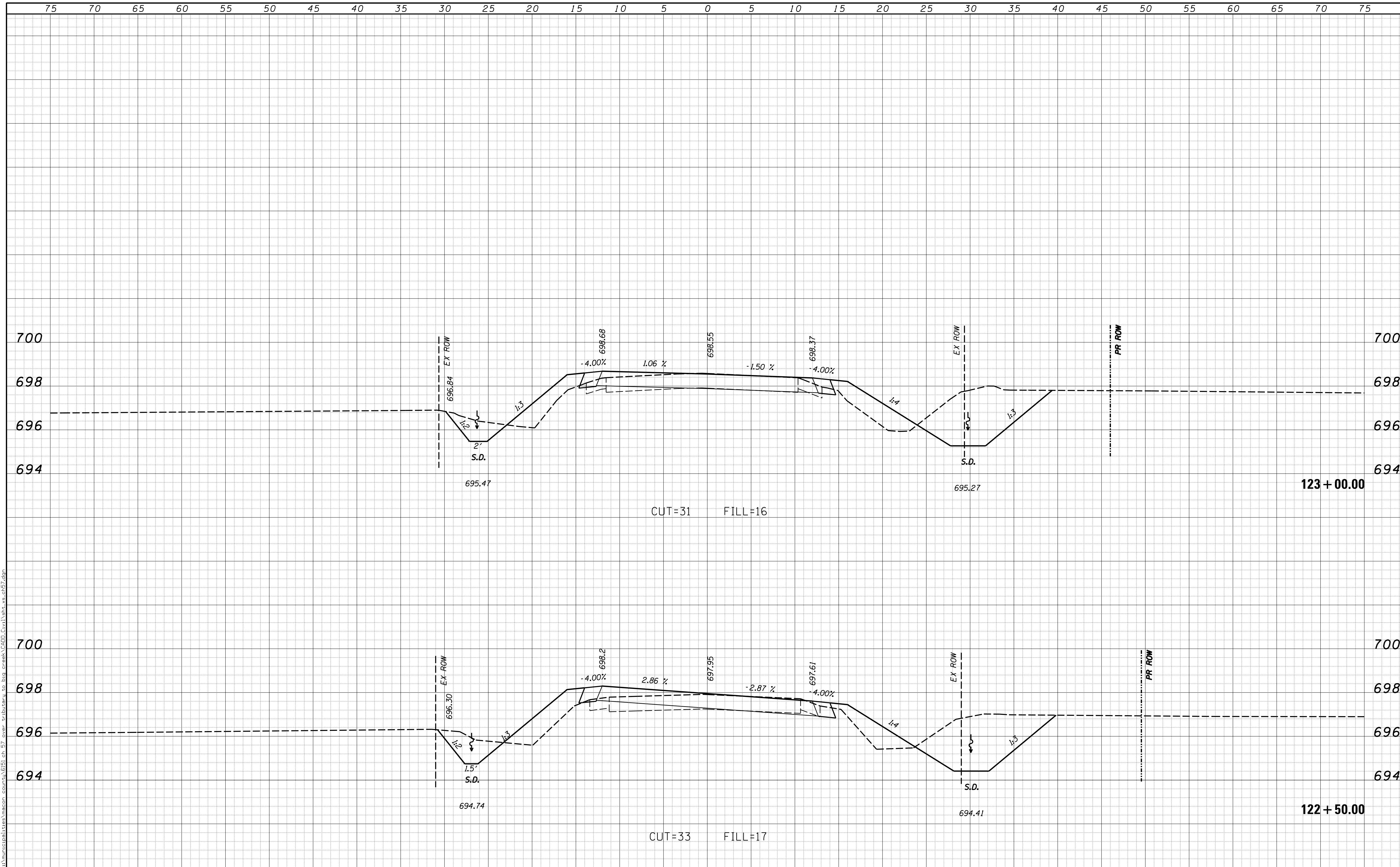
ORIGINAL SURVEY NO.	SURVEYED	DATE
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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	104	
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 121+50.00	TO STA. 122+00.00	CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT											

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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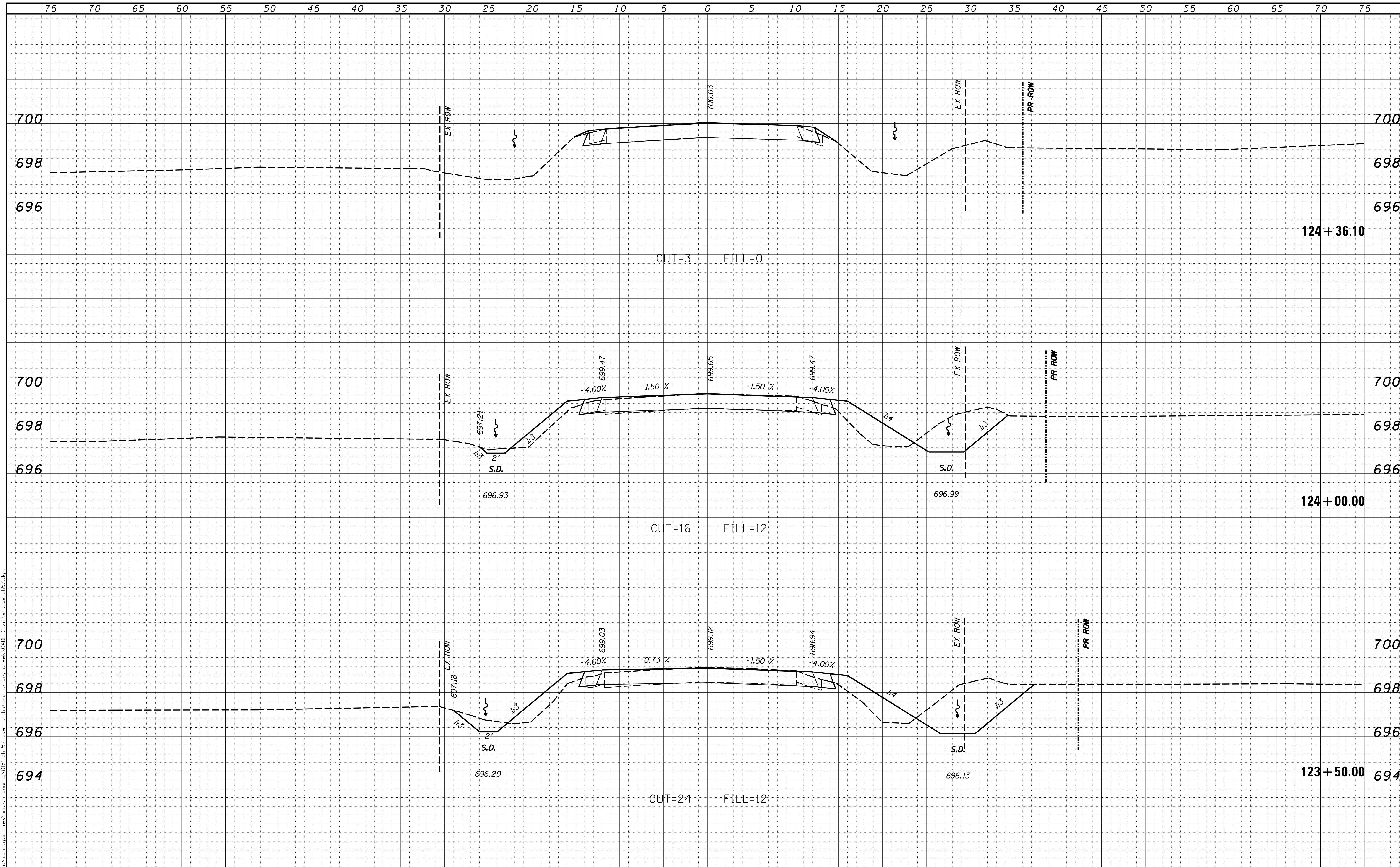


USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	105	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 122+50.00	TO STA. 123+00.00	CONTRACT NO. 95798
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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

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

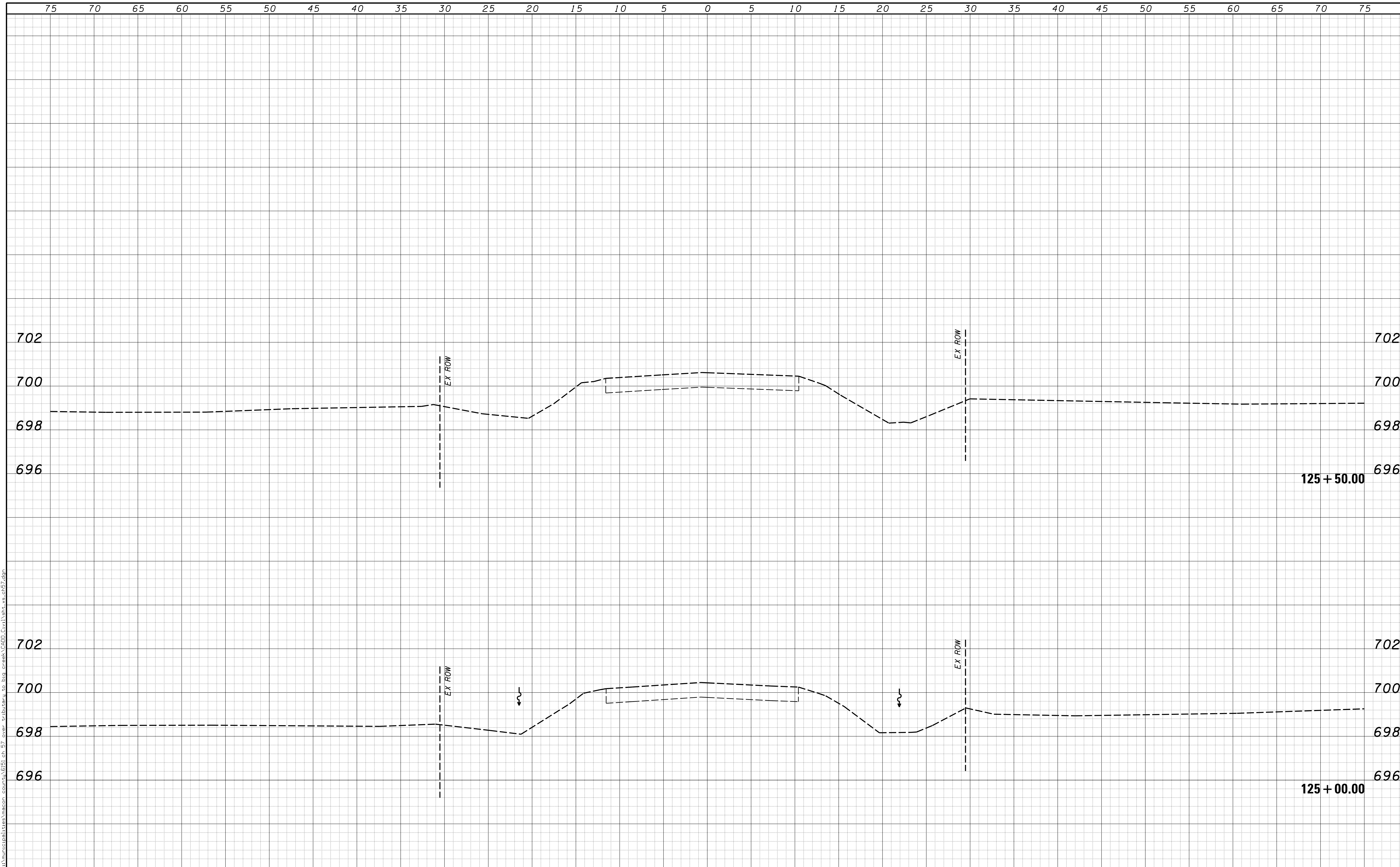
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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	106	
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 123+50.00	TO STA. 124+36.10	CONTRACT NO. 95798
	DATE -	REVISD -		ILLINOIS FED. AID PROJECT							

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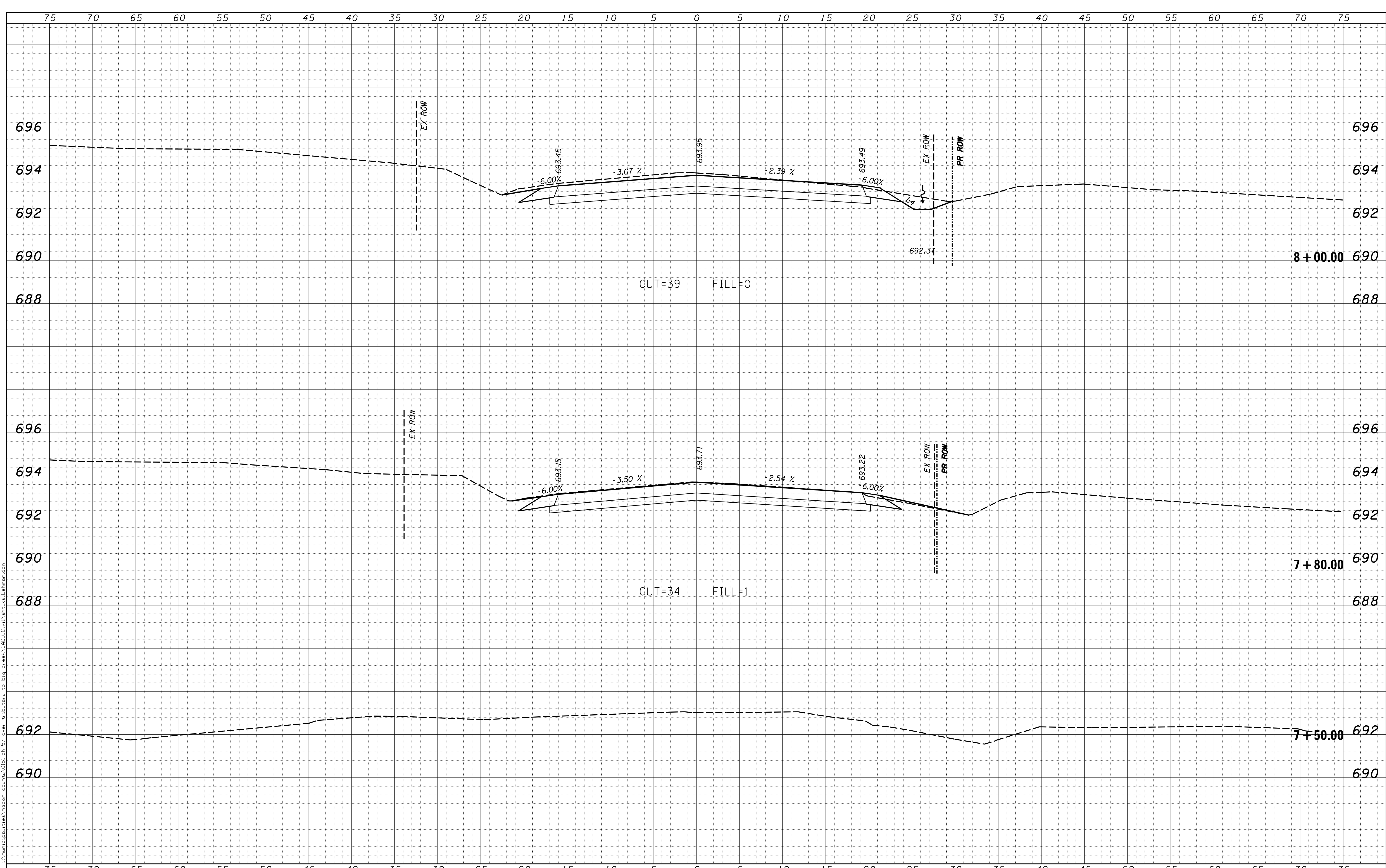


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USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTY HIGHWAY 57			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -					7413	12-00249-00-BR	MACON	117	107
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2'V			SHEET NO. OF SHEETS STA. 125+00.00 TO STA. 125+50.00			CONTRACT NO. 95798	
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

DATE	
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TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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NOTE BOOK	
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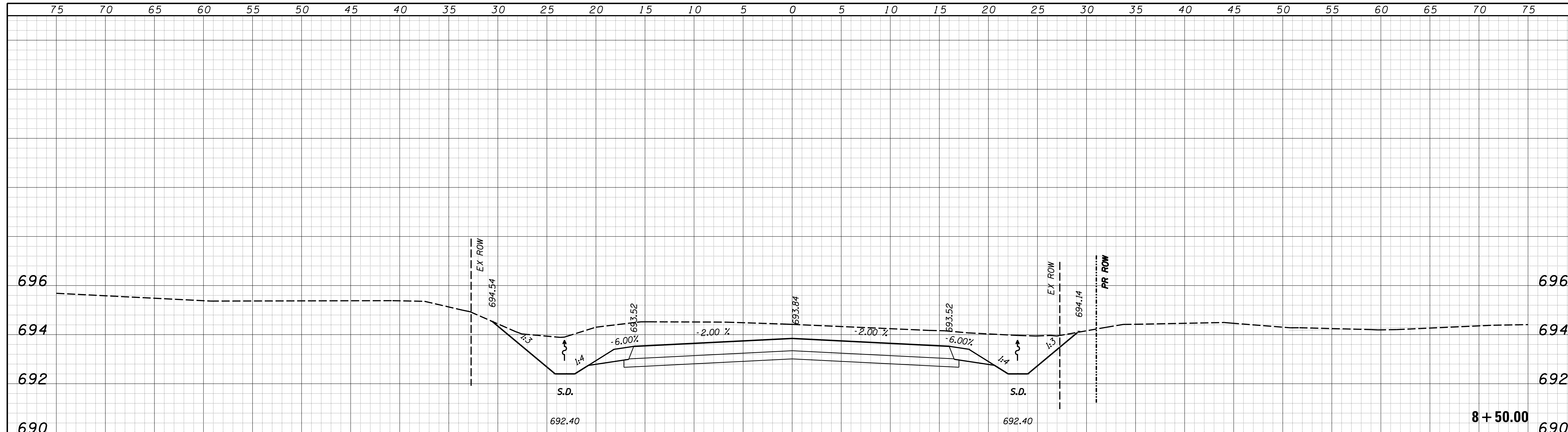


USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS LEHMAN ROAD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / 1" =	DRAWN -	REVISIED -				7413	12-00249-00-BR	MACON	117	108	
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -		SCALE: 5'H / 2"V		SHEET NO.	OF	SHEETS	STA. 7+50.00	TO STA. 8+00.00	ILLINOIS FED. AID PROJECT CONTRACT NO. 95798
	DATE -	REVISIED -									

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

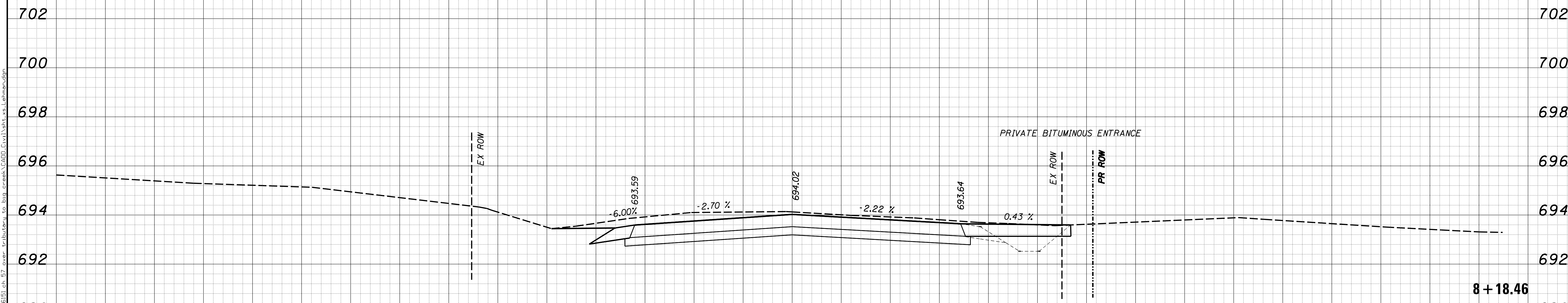
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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CUT=81 FILL=0

8+50.00



CUT=43 FILL=0

8+18.46

USER NAME = rkocher	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISIED -
PLOT DATE = 1/22/2019	DATE -	REVISIED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

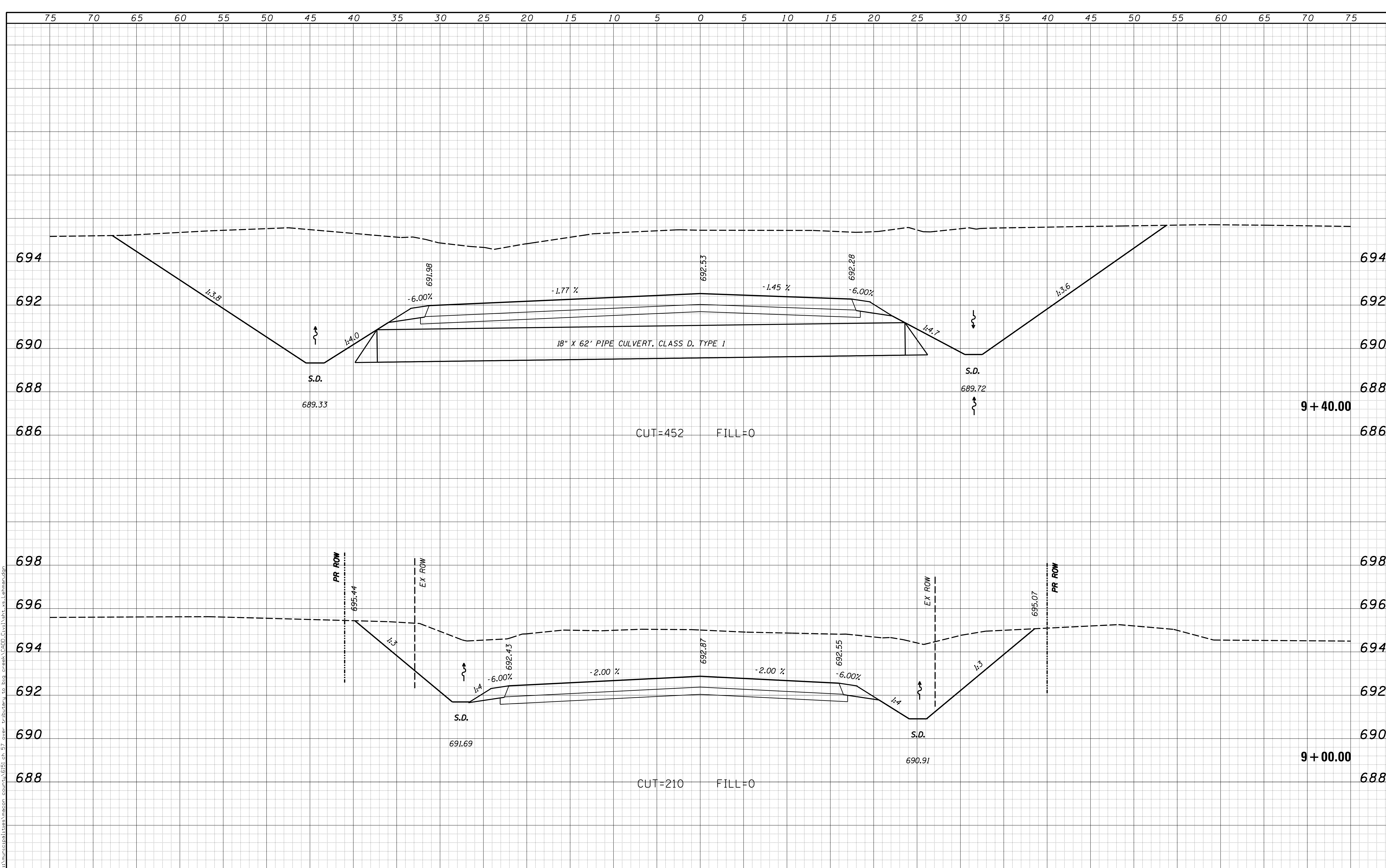
CROSS SECTIONS
LEHMAN ROAD

SCALE: 5'H / 2'V SHEET NO. OF SHEETS STA. 8+18.46 TO STA. 8+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	109
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

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

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



USER NAME = rkocher	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5.0000' / 1\"/>	CHECKED -	REVISED -
PLOT DATE = 1/22/2019	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

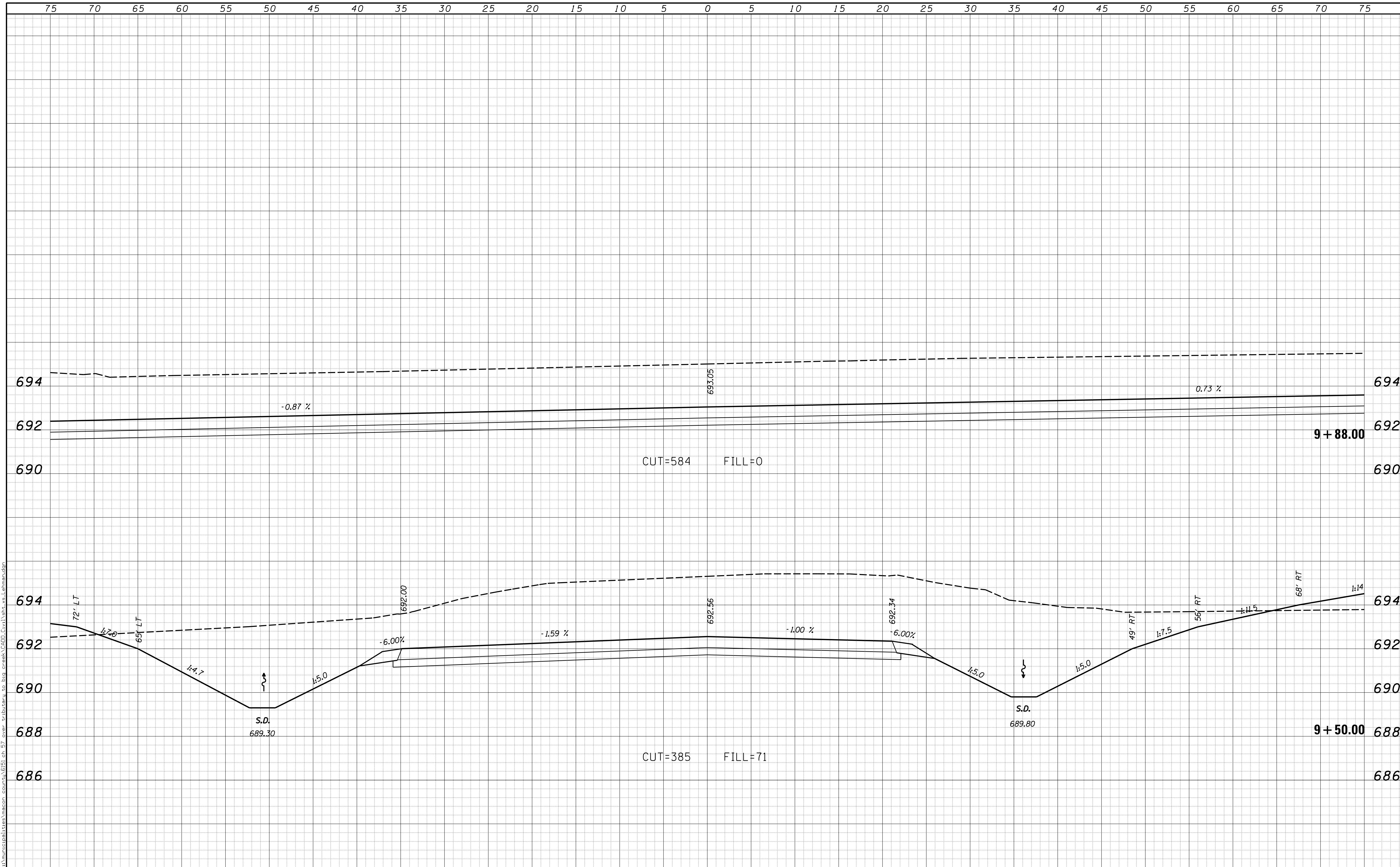
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS			
LEHMAN ROAD			
SCALE: 5'H / 2'V	SHEET NO.	OF SHEETS	STA. 9+00.00 TO STA. 9+40.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	110
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

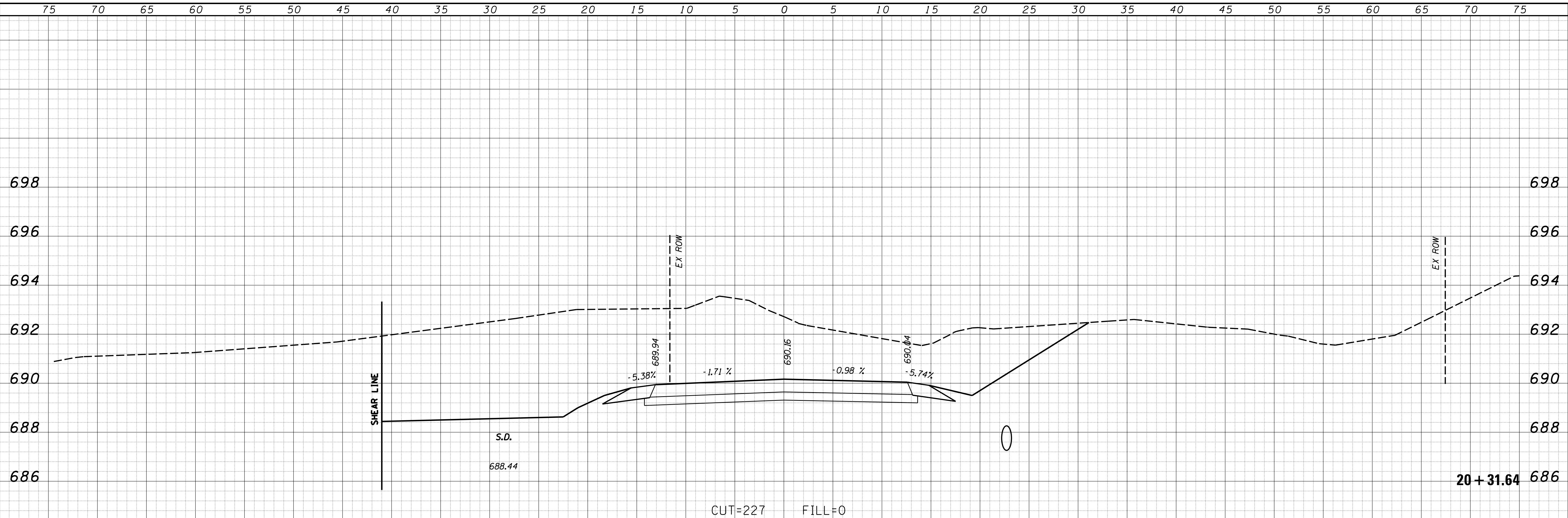
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

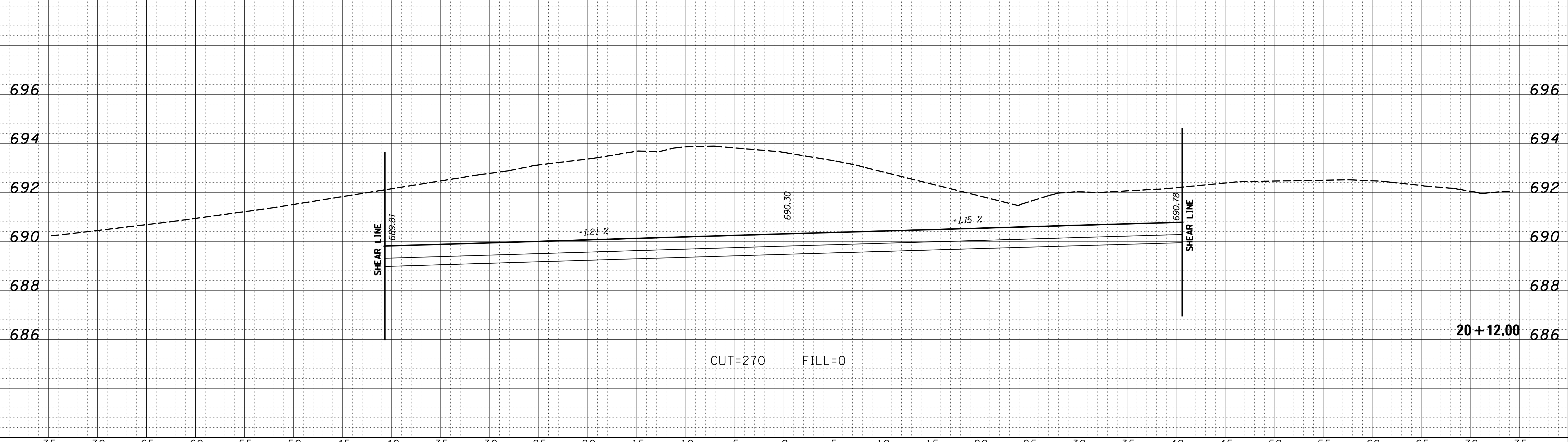


USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (317) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS LEHMAN ROAD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	111
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO. OF SHEETS	STA. 9+50.00 TO STA. 9+88.00		CONTRACT NO. 95798	
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



USER NAME = rkocher
 PLOT SCALE = 5.0000' / 1" / in.
 PLOT DATE = 1/22/2019

DESIGNED -
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 CHECKED -
 DATE -

REVISED -
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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS

DECATUR (317) 422-8544
 SCHAUMBURG (773) 714-0050
 ROCKFORD (815) 489-0050
 184-001397

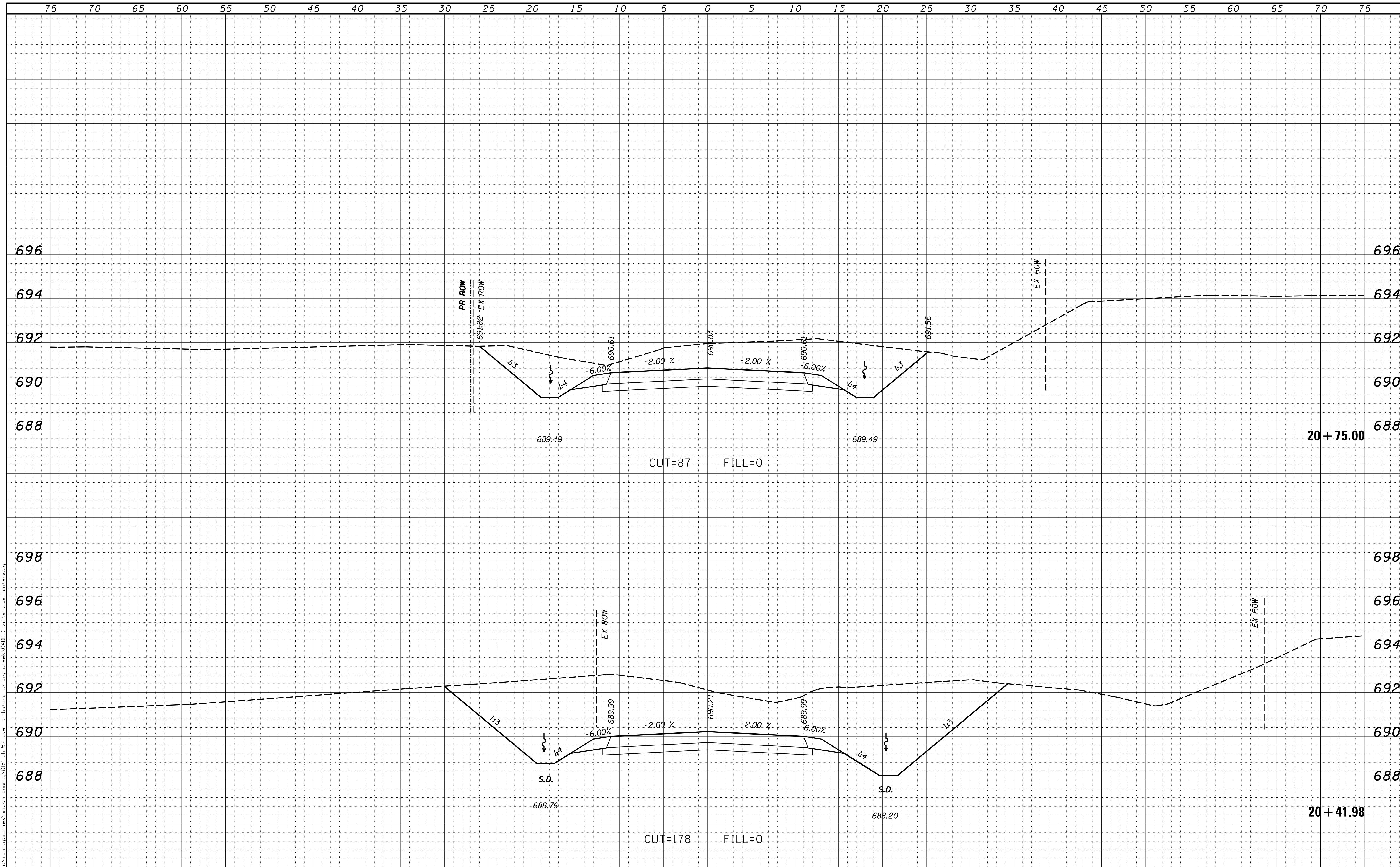
CROSS SECTIONS HUNTERS CROSSING
 SCALE: 5'H / 2"V SHEET NO. OF SHEETS STA. 20+12.00 TO STA. 20+31.64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	112
				CONTRACT NO. 95798

ILLINOIS FED. AID PROJECT

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

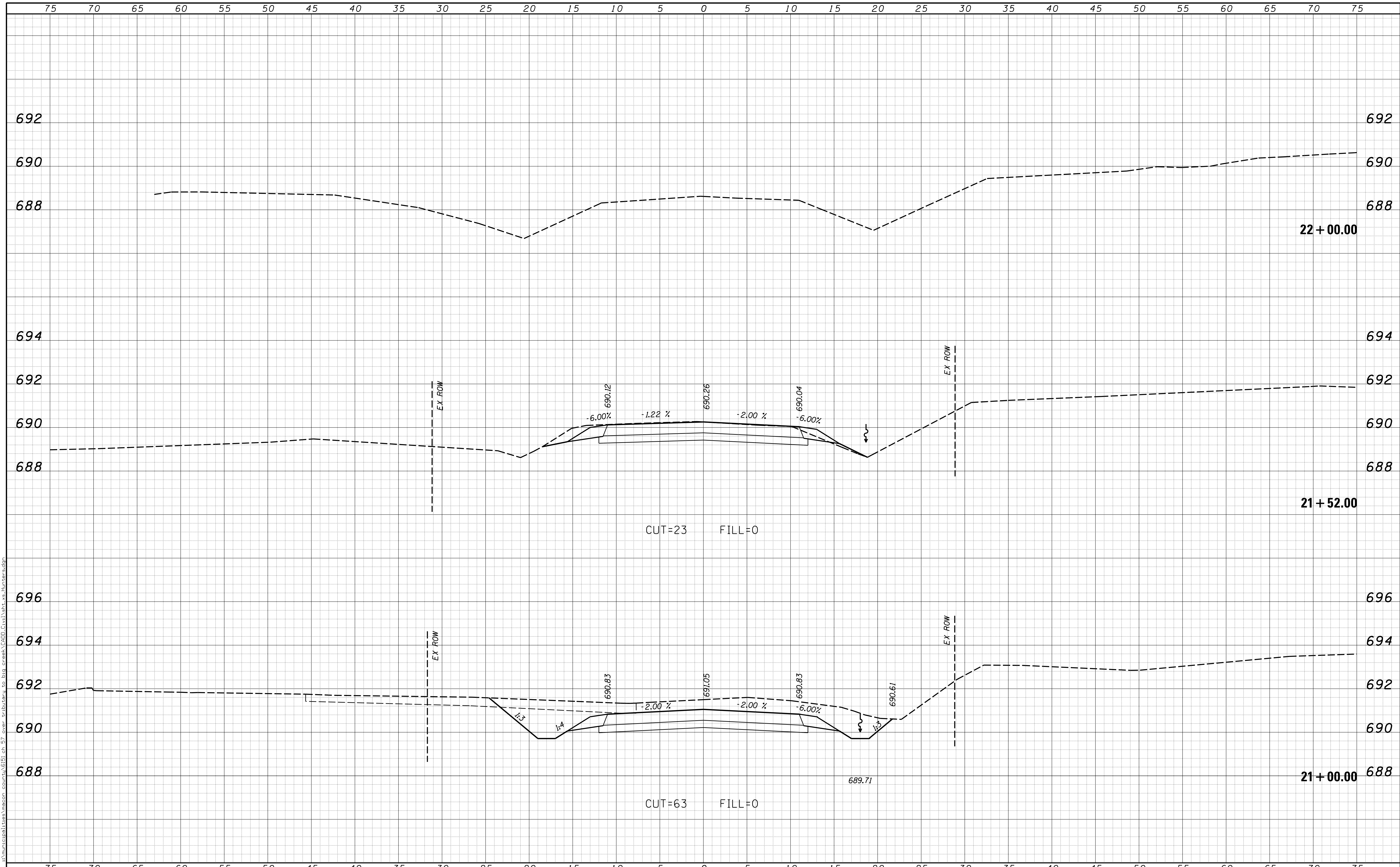
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS HUNTERS CROSSING		F.A.U. RTE. 7413	SECTION 12-00249-00-BR	COUNTY MACON	TOTAL SHEETS 117	SHEET NO. 113	
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISIED -				SCALE: 5'H / 2"V		SHEET NO. OF SHEETS	STA. 20+41.98	TO STA. 20+75.00	CONTRACT NO. 95798
PLOT DATE = 1/22/2019	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT							

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



USER NAME = rkocher	DESIGNED -	REVISIED -
PLOT SCALE = 5.0000' / 1"	DRAWN -	REVISIED -
PLOT DATE = 1/22/2019	CHECKED -	REVISIED -
	DATE -	REVISIED -

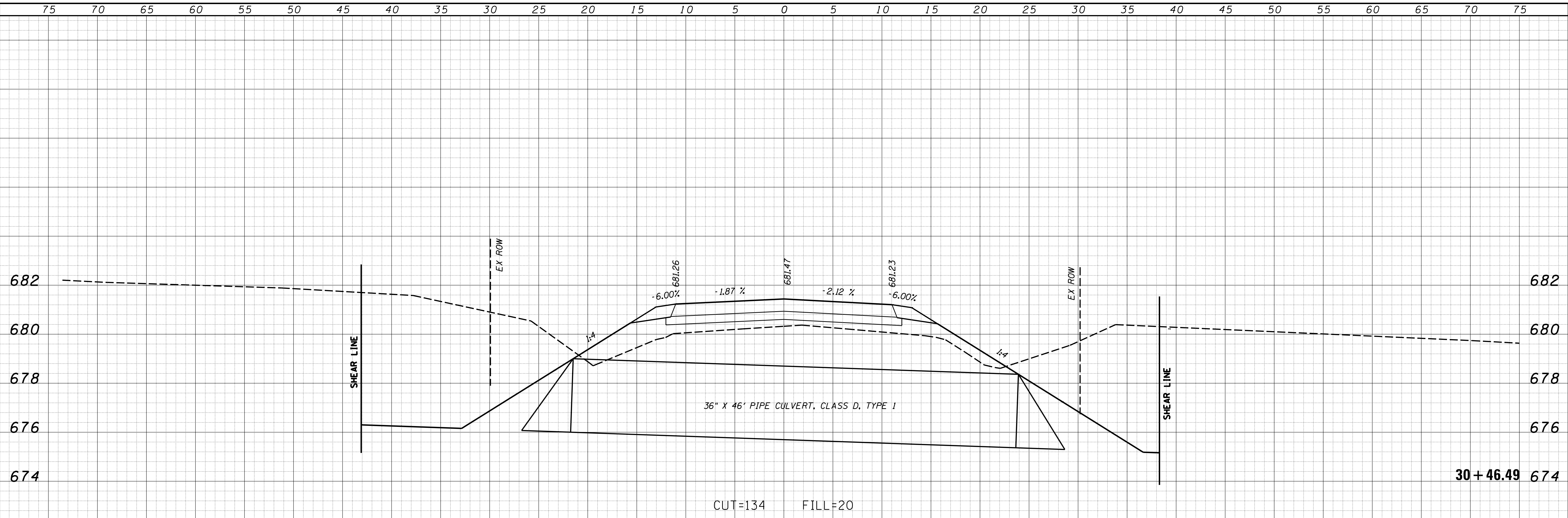
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

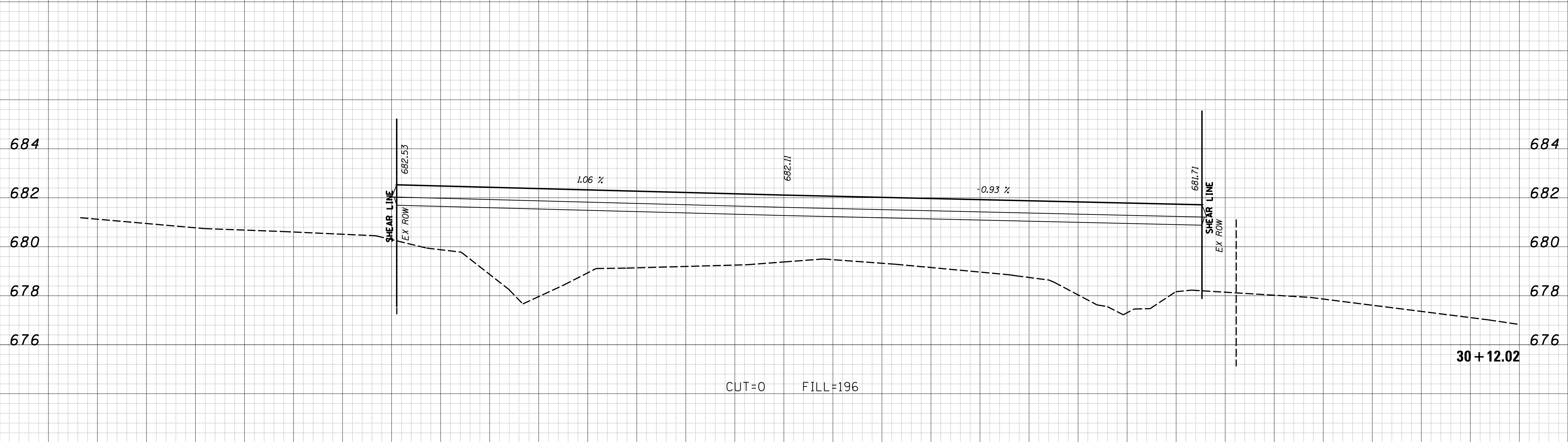
CROSS SECTIONS			
HUNTERS CROSSING			
SCALE: 5'H / 2'V	SHEET NO.	OF SHEETS	STA. 21+00.00 TO STA. 22+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	114
				CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT				

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



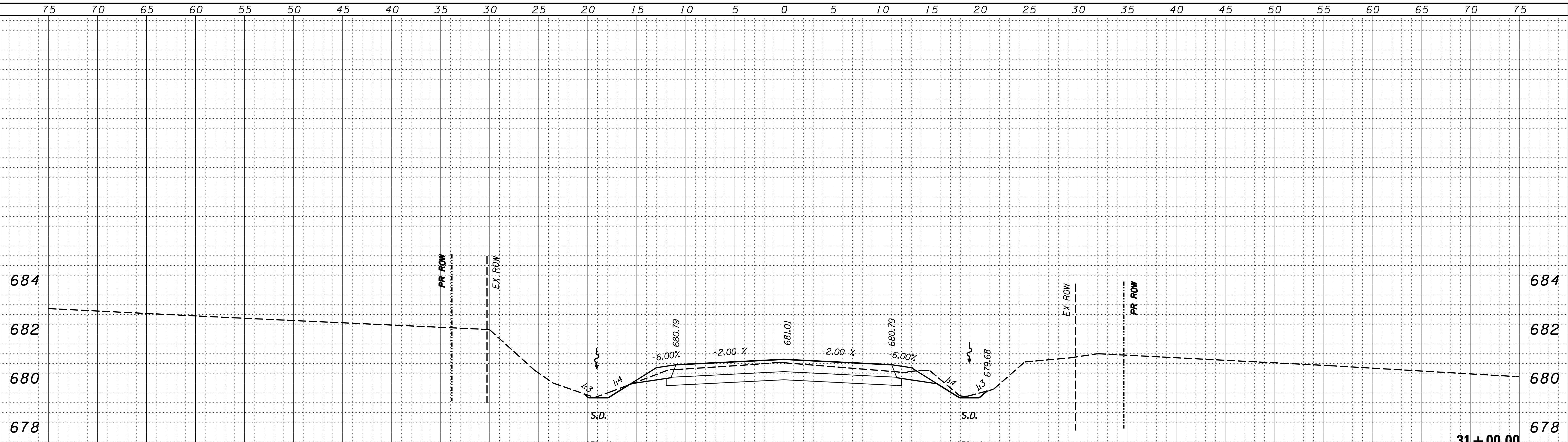
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



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USER NAME = rkocher	DESIGNED -	REVISD -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTRYSIDE DRIVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISD -				7413	12-00249-00-BR	MACON	117	115	
PLOT DATE = 1/22/2019	CHECKED -	REVISD -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 30+12.02	TO STA. 30+46.49	ILLINOIS FED. AID PROJECT CONTRACT NO. 95798
	DATE -	REVISD -									

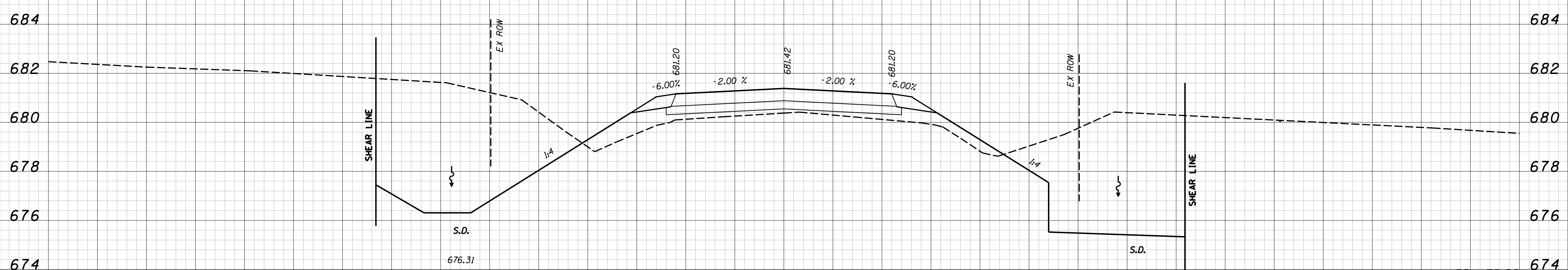
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



CUT=19 FILL=0

31+00.00

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



CUT=150 FILL=15

30+50.00

USER NAME = rkocher	DESIGNED -	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

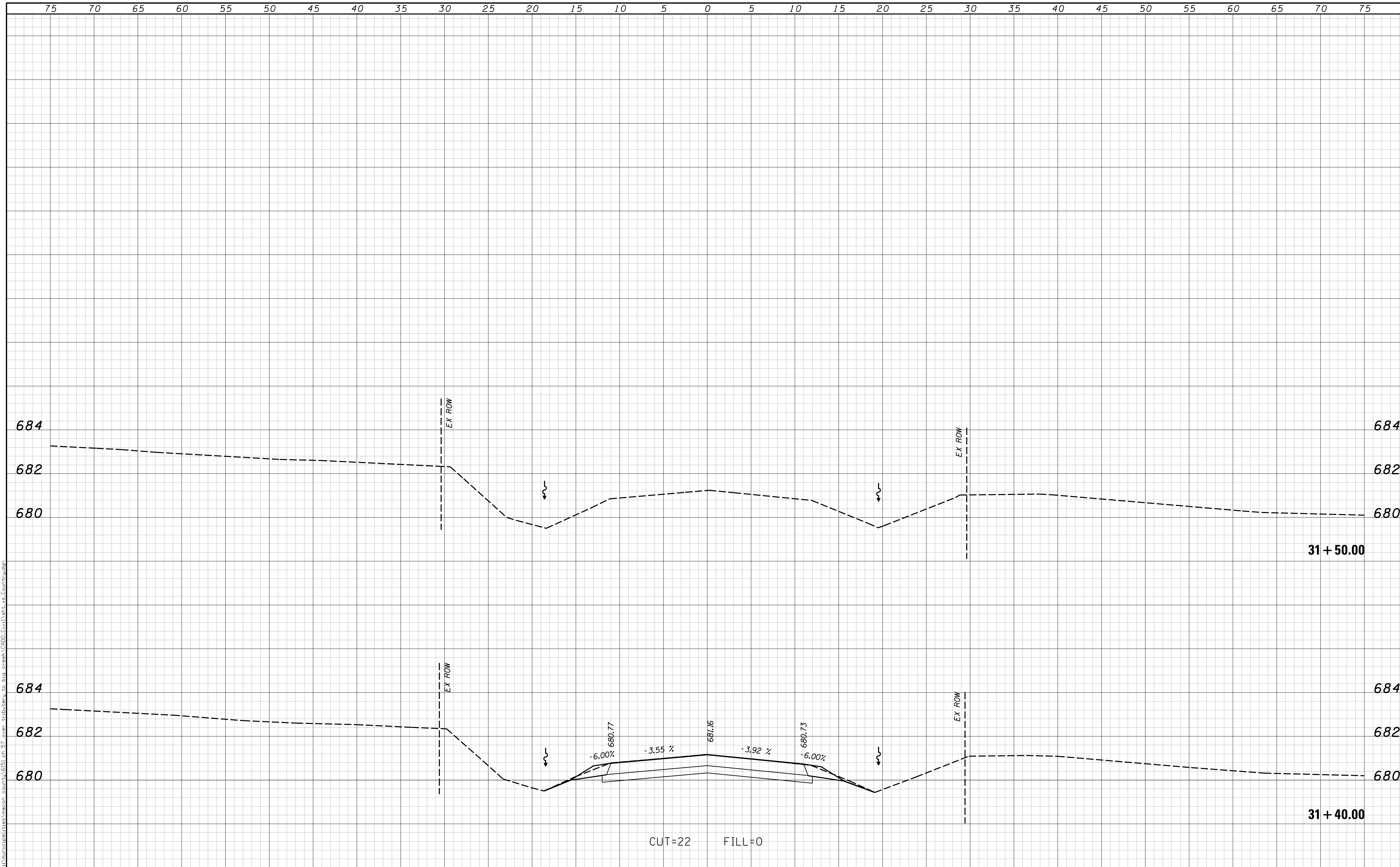
DECATUR (317) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

CROSS SECTIONS			
COUNTRYSIDE DRIVE			
SCALE: 5'H / 2"V	SHEET NO.	OF SHEETS	STA. 30+50.00 TO STA. 31+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7413	12-00249-00-BR	MACON	117	116
CONTRACT NO. 95798				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
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DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NO.	



USER NAME = rkocher	DESIGNED -	REVISIED -	CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397	CROSS SECTIONS COUNTRYSIDE DRIVE		F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 5.0000' / in.	CHECKED -	REVISIED -				7413	12-00249-00-BR	MACON	117	117	
PLOT DATE = 1/22/2019	DATE -	REVISIED -		SCALE: 5'H / 2'V		SHEET NO.	OF	SHEETS	STA. 31+40.00	TO STA. 31+50.00	CONTRACT NO. 95798
ILLINOIS FED. AID PROJECT											