ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 170	19-08124 -00-BR	TAZEWELL	29	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED TOWNSHIP BRIDGE PROGRAM

SECTION 19–08124–00–BR
GROVELAND ROAD DISTRICT
TAZEWELL COUNTY
T.R. 170 /UNSICKER ROAD
PROPOSED STRUCTURE NO. 090–3258

INDEX OF SHEETS

SEE PROPOSAL BOOKLET FOR HIGHWAY STANDARDS:

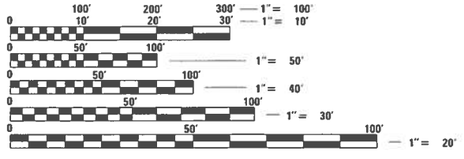
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL TYPE 5A

UTILITIES

FRONTIER COMMUNICATIONS
109 E. MARKET STREET
BLOOMINGTON, IL 61705

AMEREN ILLINOIS
300 LIBERTY ST
PEORIA, IL 61602

STRATUS NETWORK
4700 N PROSPECT RD #8
PEORIA HEIGHTS, IL 61616



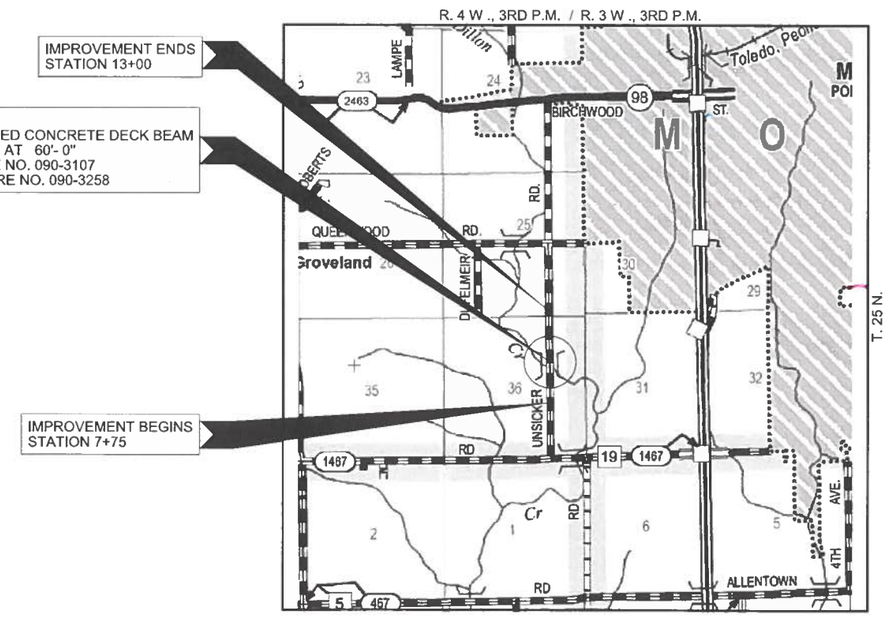
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: LOCAL ROAD
DESIGN SPEED: 40 MPH
DESIGN TRAFFIC: 425 ADT

IMPROVEMENT ENDS STATION 13+00

STA. 9+93
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE. SINGLE SPAN AT 60'- 0"
EXISTING STRUCTURE NO. 090-3107
PROPOSED STRUCTURE NO. 090-3258

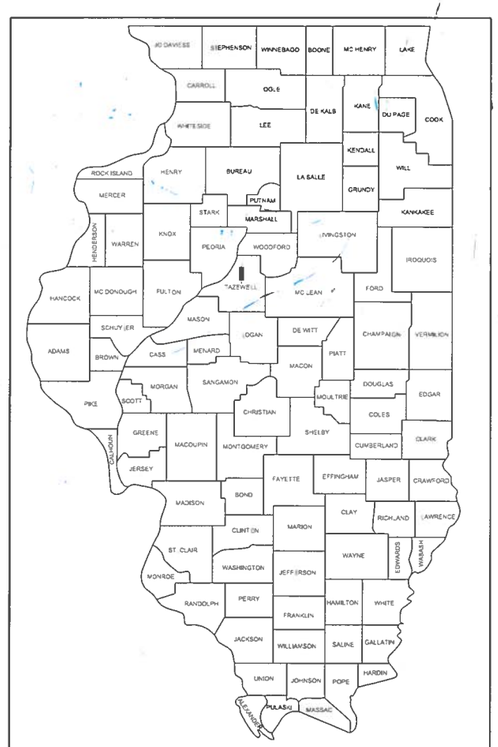
IMPROVEMENT BEGINS STATION 7+75



LOCATION MAP

APPROXIMATE SCALE: 0 ½ MILE

NET LENGTH OF SECTION = 525 FEET = 0.099 MILES



LOCATION OF SECTION INDICATED THUS:–

WARNING

CALL JULIE TOLL FREE 1-800-892-0123

CALL 811 BEFORE YOU DIG

DIG NO: X221751480

TAZEWELL COUNTY HIGHWAY DEPARTMENT

APPROVED 15 Feb 2024
Alan Parr
COUNTY ENGINEER

APPROVED February 15 2024
Mike Rosenthal PCM
TOWNSHIP COMMISSIONER

PASSED 02-09 2024.
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review March 1 2024
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 5/18/2023
LICENSED PROFESSIONAL ENGINEER — STEVEN W. MEGGINSON — 062-50053 — STATE OF ILLINOIS
EXPIRES: 11/30/2023

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS · STRUCTURAL ENGINEERS · LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 21.0884.130 DATE: 05/18/2023

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0010	
		UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	370
20300100	CHANNEL EXCAVATION	CU YD	50
20400800	FURNISHED EXCAVATION	CU YD	180
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	160
28100207	STONE RIPRAP, CLASS A4	TON	445
28200200	FILTER FABRIC	SQ YD	550
28300400	AGGREGATE DITCH	TON	14
35101400	AGGREGATE BASE COURSE, TYPE B	TON	840
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	28
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2612
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	820
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	160
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	117
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	540
^ 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	30.2
^ 50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1800
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3840
50900205	STEEL RAILING, TYPE S1	FOOT	129
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	450
51202305	DRIVING PILES	FOOT	450
51203200	TEST PILE METAL SHELLS	EACH	1
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	205
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	135
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	60
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0010	
		UNIT	TOTAL
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	131
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
^ X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
^ Z0013798	CONSTRUCTION LAYOUT	L SUM	1

^ SEE SPECIAL PROVISIONS

GENERAL NOTES

1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2022; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.

2) ALL CLEARING, GRUBBING, FENCE REMOVAL, PAVEMENT REMOVAL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. ALL AGGREGATE AND BITUMINOUS PAVEMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. REMOVAL AND DISPOSAL OF PAVEMENT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

4) ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT.

5) THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.

6) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE BASE COURSE	2.05 TON/CU YD
HOT MIX ASPHALT	112 LBS/SQ YD/INCH THICKNESS
CONTROLLED LOW-STRENGTH MATERIAL	1.50 TON/CU YD
STONE RIPRAP	1.75 TON/CU YD
AGGREGATE DITCH	1.5 TON/CU YD
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE

BITUMINOUS MATERIALS RATES

SURFACE TYPE	RESIDUAL RATE
AGGREGATE BASE (PRIME COAT)	0.250 LB/SQ FT
MILLED HMA OR PCC (TACK COAT)	0.080 LB/SQ FT
EXISTING PAVEMENT (TACK COAT)	0.080 LB/SQ FT
TACK COAT (BETWEEN LIFTS)	0.080 LB/SQ FT

7) THE FINAL SURFACE OF ALL EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE TOPSOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING TOP SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

8) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) 0.4 ACRES

9) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10) COMMITMENTS:
   1) TREES SHALL NOT BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30.

   2) THE BRIDGE BAT ASSESMENT EXPIRES MARCH 28, 2024

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
TR 170 / UNSICKER ROAD							
STA. 7+75.00 TO STA. 9+62.33	128		25.00%	100.00%	96	163	-67
STA. 9+62.33 TO STA. 10+23.67	0	50	25.00%	70.00%	26	0	26
STA. 10+23.67 TO STA. 13+00.00	240		25.00%	100.00%	180	292	-112
ENTRANCE						26	-26
TOTAL	368	50			302	481	-179
USE	370	50					180

FURNISHED 180 CU YDS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATIONS(S)	TR 170 / UNSICKER ROAD	TR 170 / UNSICKER ROAD
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE	LEVELING BINDER COURSE
PG:	PG 58-22	PG 58-22
DESIGN AIR VOIDS:	4% @ 50 Gyr.	4% @ 50 Gyr.
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIXTURE C	NONE
DENSITY TEST METHOD	NUCLEAR GUAGE	NUCLEAR GUAGE
MIXTURE WEIGHT:	112 LBS \ SY \ INCH THICKNESS	112 LBS \ SY \ INCH THICKNESS
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA

ROADWAY SCHEDULE

LOCATION	AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B 6"	AGGREGATE SURFACE COURSE, TYPE B
	35101400	40600275	40600290	40603080	40604050	48101500	40200800
TR 170 / UNSICKER ROAD	TON	POUND	POUND	TON	TON	SQ YD	TON
STA. 7+75.00 TO STA. 9+62.33	340	1054	331	65	40	240	
STA. 10+23.67 TO STA. 13+00.00	500	1558	489	95	55	300	
ENTRANCES							28
TOTAL	840	2612	820	160	95	540	28

GUARDRAIL SCHEDULE

LOCATION	TRAFFIC BARRIER TERMINAL, TYPE 5A	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED
TR 170 / UNSICKER ROAD	63100075	63000001	63100167	72501000
SEE SHEET 6 FOR LAYOUT	EACH	FOOT	EACH	EACH
LT. STA. 8+97.67 TO LT. STA. 11+00.83	2	12.5	2	2
RT. STA. 8+85.17 TO RT. STA. 10+88.33	2	12.5	2	2
TOTAL	4	25	4	4
NOTE: SEE SHEET 6 FOR STATIONING AND LAYOUT				

PAVEMENT MARKING SCHEDULE

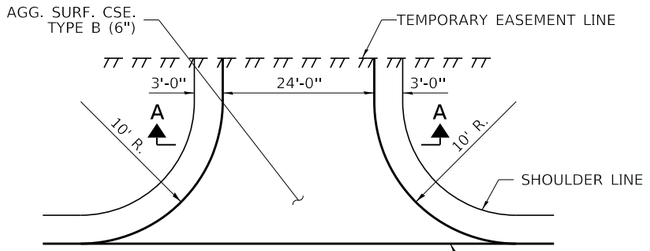
LOCATION	PAINT PAVEMENT MARKING - LINE 4"	
	EDGE LINE WHITE	SKIP DASH CENTERLINE YELLOW
	78001110	
	FOOT	FOOT
TR 170 / UNSICKER ROAD		
LT. STA. 7+75.00 TO LT. STA. 13+00.00	0	
CL. STA. 7+75.00 TO CL. STA. 13+00.00		131
RT. STA. 7+75.00 TO RT. STA. 13+00.00	0	
SUBTOTAL	0	131
TOTAL	131	

AGGREGATE DITCH

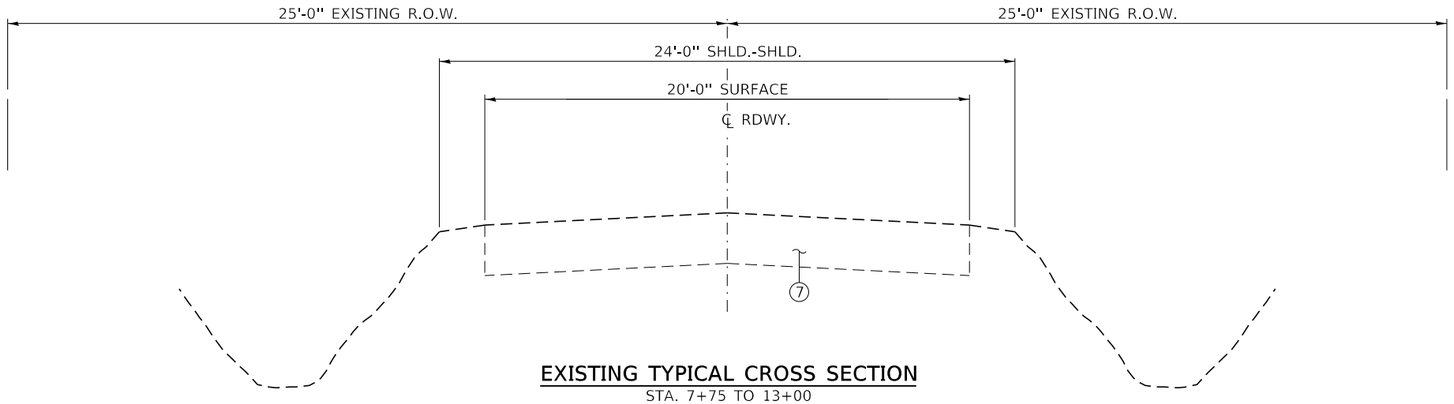
STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC SQ YD
9+40.00 TO 9+65.00	LT	VAR.	14	28
TOTAL			14	30

SEEDING TABLE

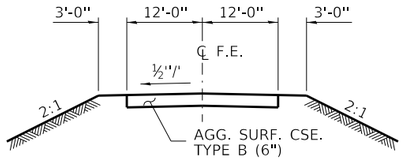
LOCATION	TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 2 (SPECIAL)
	28000250	X2501000
TR 170 / UNSICKER ROAD	POUND	ACRE
STA. 7+75.00 TO STA. 9+62.33	80	0.2
STA. 10+23.67 TO STA. 13+00.00	80	0.2
TOTAL	160	0.4



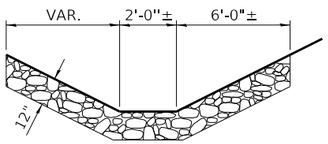
FIELD ENTRANCE DETAIL
RT STA 11+50



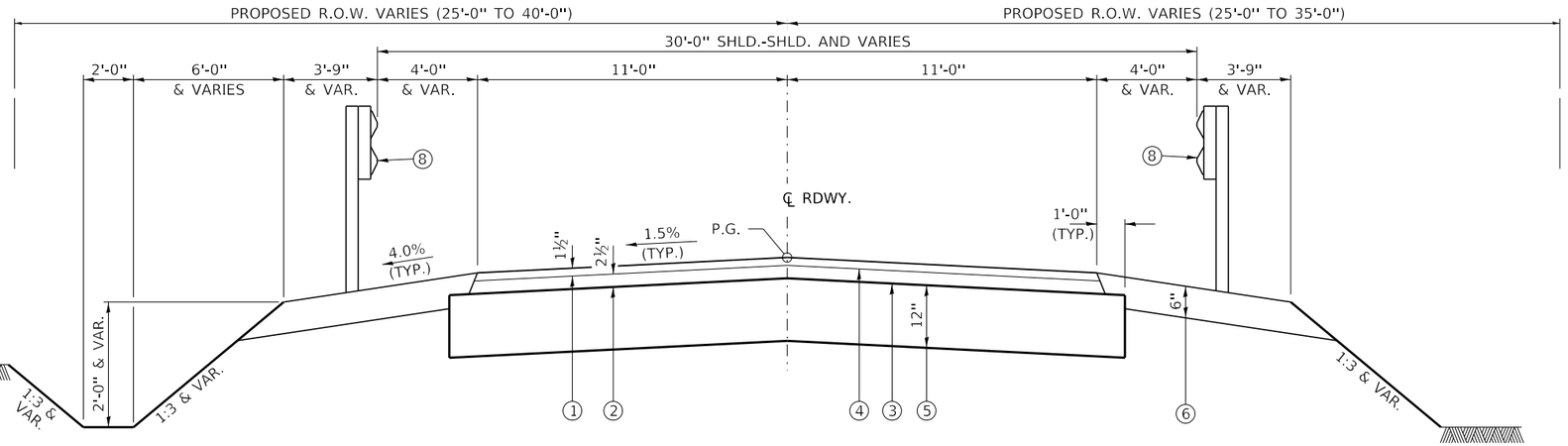
EXISTING TYPICAL CROSS SECTION
STA. 7+75 TO 13+00



SECTION A-A



AGGREGATE DITCH (RR3)
STA. 9+40 TO STA. 9+65 LT



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

PROPOSED TYPICAL CROSS SECTION
STA. 7+75 TO 13+00

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 7+75 TO 8+05 AND STA. 12+70 TO STA. 13+00. SEE SHEET 6 FOR TRANSITION AT BRIDGE.
CONSTRUCT AGGREGATE BASE TO THE FULL 24 FT. WIDTH FOR THE LENGTH OF THE IMPROVEMENT.

LEGEND

1. HMA SURFACE COURSE, IL.-9.5, MIX C, N50 (1½" THICKNESS)
2. HMA BINDER COURSE, IL.-19.0, N50 (2½" THICKNESS)
3. BITUMINOUS MATERIALS (PRIME COAT)
4. BITUMINOUS MATERIALS (TACK COAT)
5. AGGREGATE BASE COURSE, TYPE B (12")
6. AGGREGATE SHOULDERS, TYPE B (6")
7. EXISTING OIL & CHIP SURFACE ON AGGREGATE BASE
8. TBT TY 5A, SPBGR TY A 6' POSTS, OR TBT TY 1 SPECIAL TANGENT

FILE NAME = 210684-sht-typsections.dgn	USER NAME = tlmk	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - G.D.M.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

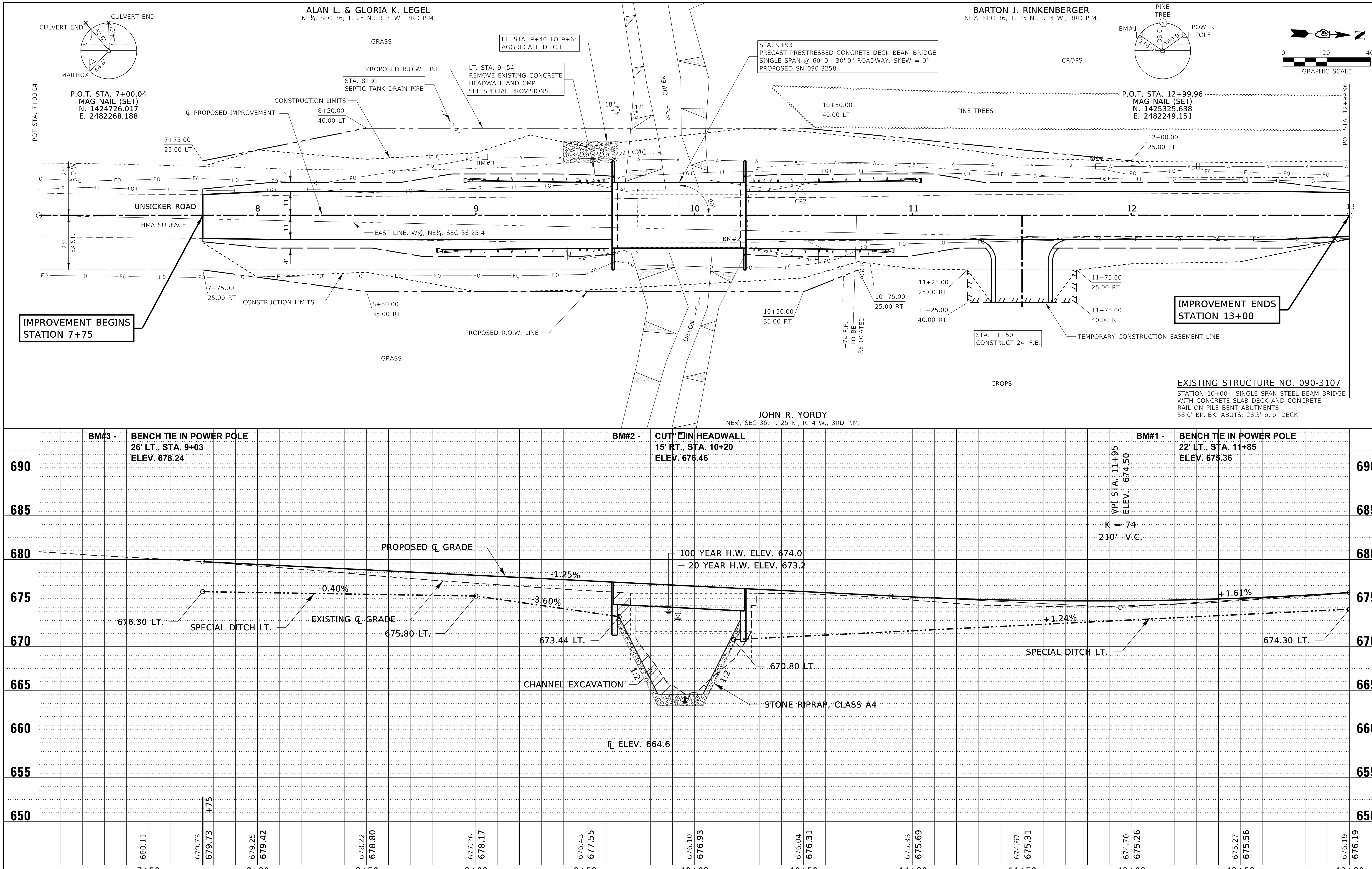
TYPICAL CROSS SECTIONS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 7+75.00 TO STA. 13+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	4
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE



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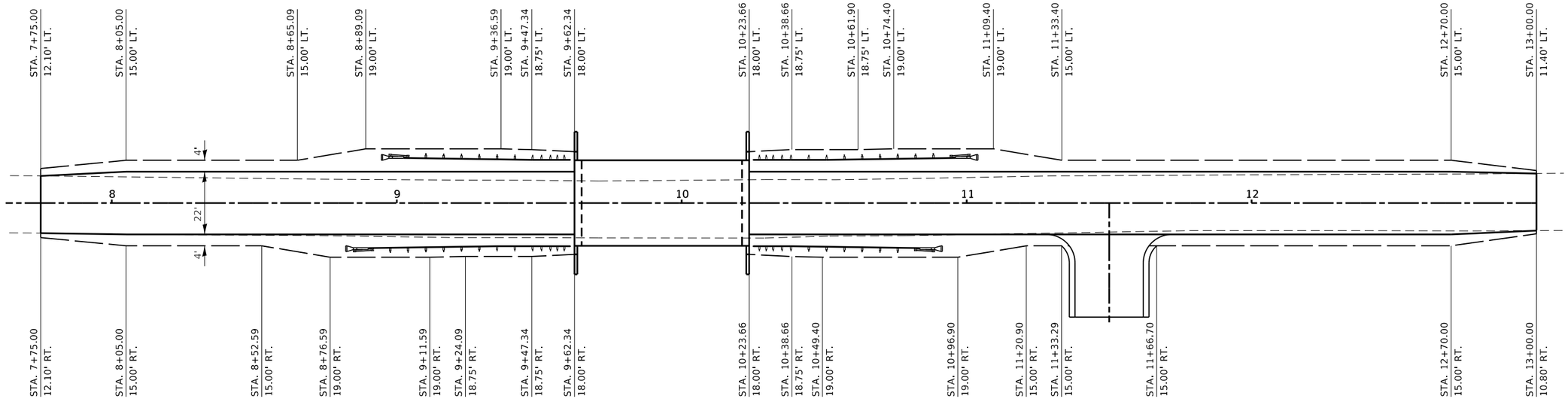
	PLOT SCALE = $SCALE$	CHECKED - J.W.F./S.T.M.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

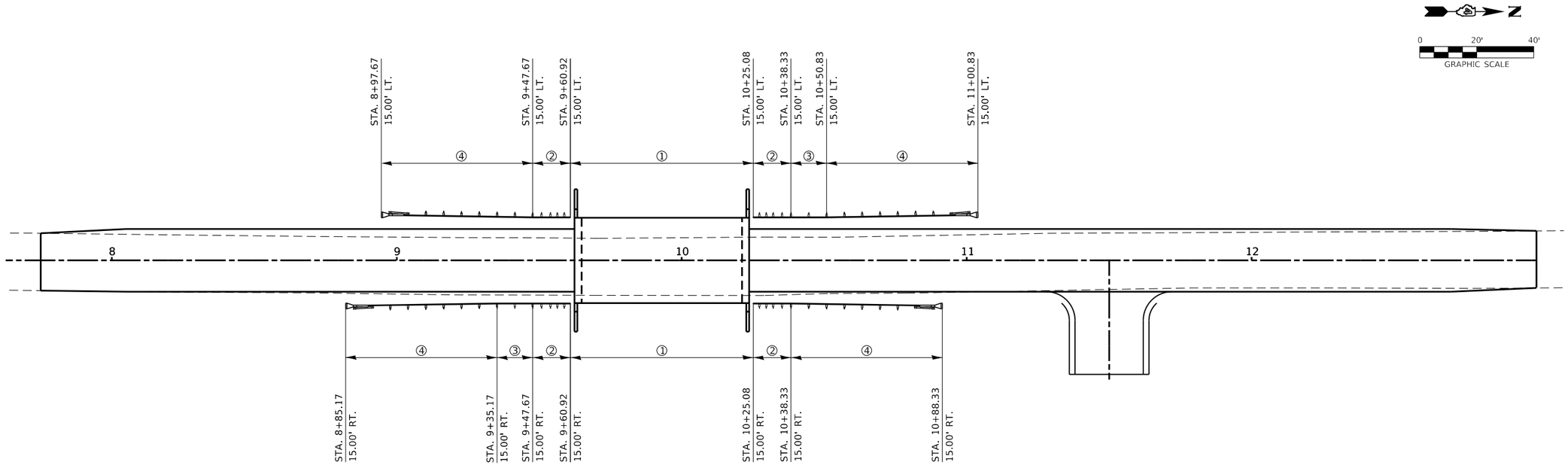
PLAN & PROFILE
UNSICKER ROAD

SCALE: 5V:20H | SHEET NO. 1 OF 1 SHEETS | STA. 7+00.00 TO STA. 13+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	5
GROVELAND ROAD DISTRICT		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



SHOULDER LAYOUT



GUARDRAIL LAYOUT

LEGEND

① STEEL RAILING, TYPE S-1
② TBT TY 5A
③ SPBGR, 6 FOOT POSTS
④ TBT TY 1, SPECIAL TANGENT

FILE NAME = 210684-shl-shdgrdrl.dgn	USER NAME = tlmk	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - G.D.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	CHECKED - S.T.M/S.W.M.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

SHOULDER AND GUARDRAIL LAYOUT
STRUCTURE NO. 090-3258

SCALE: 1"=20' | SHEET NO. 1 OF 1 SHEETS | STA. 7+75.00 | TO STA. 13+00.00

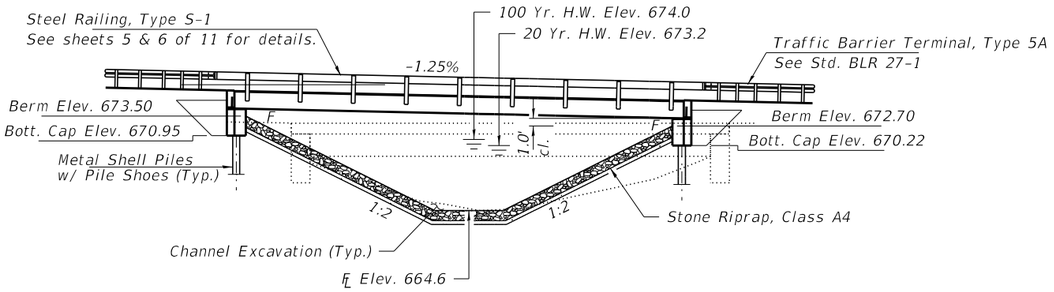
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	6
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

BENCHMARK: Cut in "□" Headwall 15' Rt. Sta. 10+20, Elev. 676.46

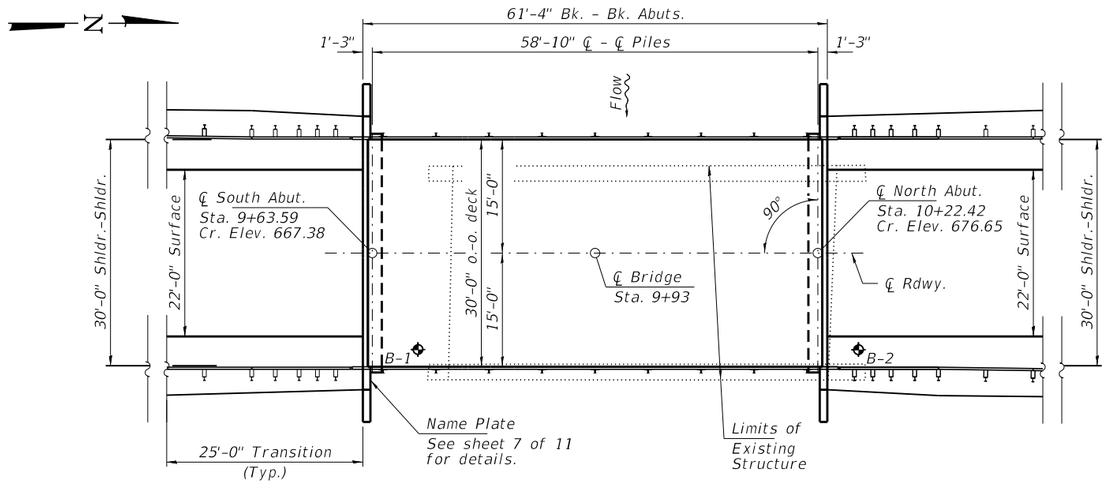
EXISTING STRUCTURE No. 090-3107: Sta. 10+00 – Single span steel girder bridge with concrete deck on closed concrete abutments and wingwalls. 58.0' bk.-bk. abuts.: 28.3' o.-o. deck.

Structure closed to traffic during construction.

No Salvage.

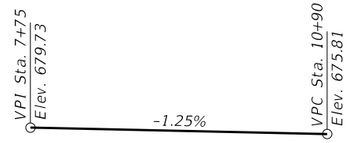


ELEVATION



PLAN

INDEX OF STRUCTURE SHEETS



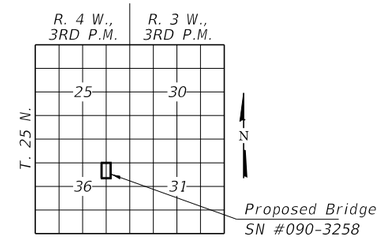
PROFILE GRADE

T.R. 170

DILLON CREEK
BUILT 202_ BY
TAZEWELL COUNTY
SEC. 19-08124-00-BR
T.R. 170 / UNSICKER ROAD
STR. NO. 090-3258
LOADING HL-93

NAME PLATE

See Std. 515001



LOCATION SKETCH

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with all interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"Ø low lax. strands)
fpbt = 201,960 psi (½"Ø low lax. strands)
fy = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.117g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.185g
Soil Site Class = D

WATERWAY INFORMATION

Drainage Area = 5.6 Sq. Mi.
Existing Low Grade Elev. 674.6 @ Sta. 11+80
Proposed Low Grade Elev. 675.3 @ Sta. 12+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Overtopping	10	1,180	260	290	672.6	0.0	0.2	672.6	672.8
Design	20	1,510	260	320	673.2	0.3	0.2	673.5	673.4
Base	100	2,290	260	370	674.0	1.5	1.5	675.5	674.5
Scour Check	200	2,660	260	390	674.3	1.6	1.2	675.9	675.5
Max. Calc.	500	3,150	260	400	674.6	1.7	0.9	676.3	675.5

10 Year Velocity through Existing Bridge = 4.5 fps
10 Year Velocity through Proposed Bridge = 4.1 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.) S. Abut.	Design Scour Elev. (ft.) N. Abut.	Item 113
Q100	670.9	670.2	8
Q200	670.9	670.2	
Design	670.9	670.2	
Check	670.9	670.2	

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 LRFD Specifications."

Steven W. Megginson 05/18/2023
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064 Expires 11-30-2024

LICENSED STRUCTURAL ENGINEER
STEVEN
W. MEGGINSON
081-6064
SPRINGFIELD, IL
STATE OF ILLINOIS

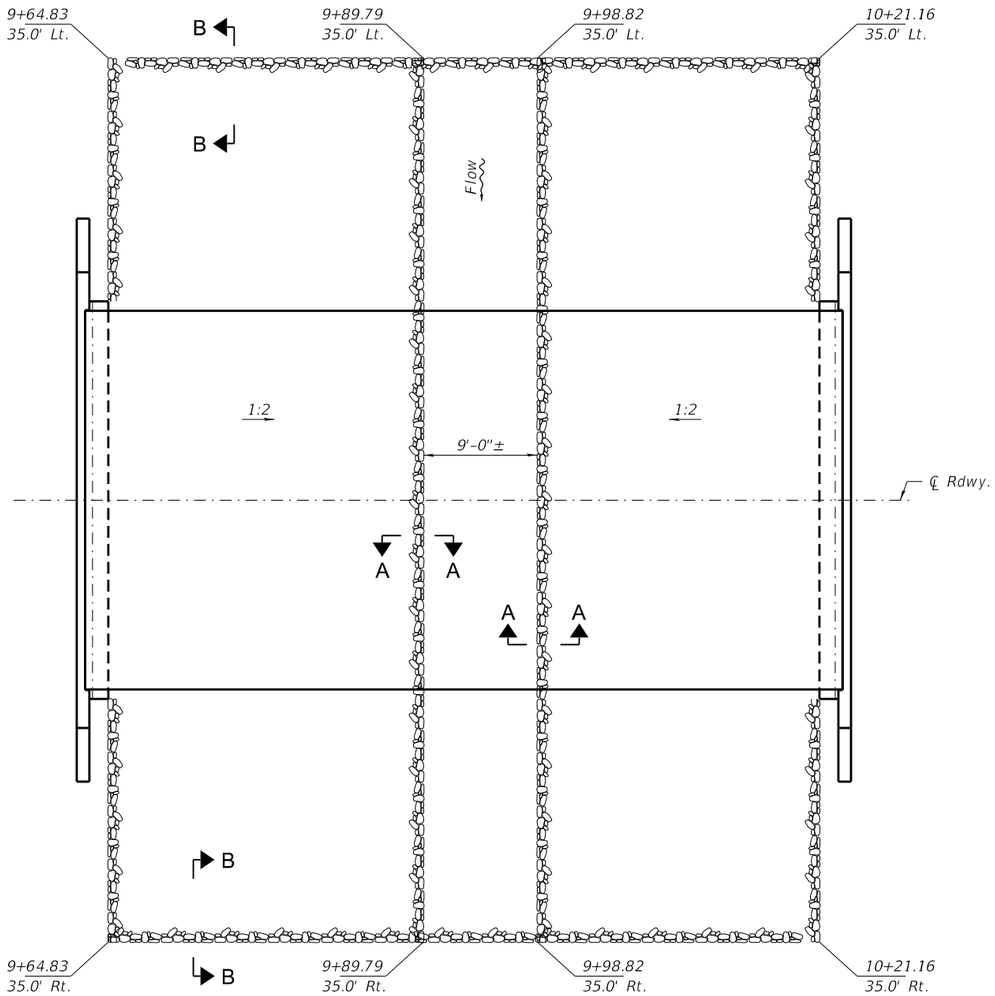
GENERAL PLAN & ELEVATION
BRIDGE OVER DILLON CREEK
SECTION 19-08124-00-BR
T.R. 170 / UNSICKER ROAD
TAZEWELL COUNTY
STATION 9+93
STRUCTURE NO. 090-3258

FILE NAME = 210684-shl-brdge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 090-3258
SHEET NO. 1 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	7
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



N

RIPRAP LAYOUT

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

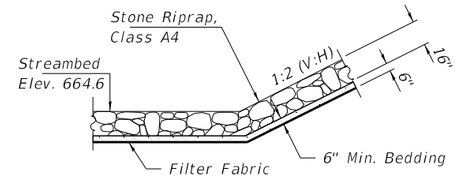
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the North Abutment or approved by the Engineer before ordering the remainder of piles.

All bars to be epoxy coated.

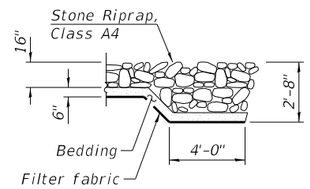
Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

The PPC Deck Beams shall be applied with a Protective Coat as specified in the Special Provisions. This work shall be included in the cost with PPC Deck Beams.



SECTION A-A



SECTION B-B

TOTAL BILL OF MATERIAL

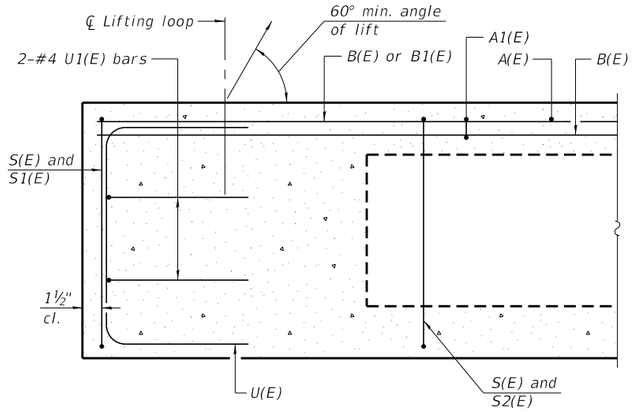
ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			50
Stone Riprap, Class A4	Ton			445
Filter Fabric	Sq. Yd.			520
Hot-Mix Ashpalt Surface Course, IL-9.5, Mix "C" N50	Ton			22
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		30.2	30.2
Precast Prestressed Conc. Deck Beams (27" Depth)	Sq. Ft.	1,800		1,800
Reinforcement Bars, Epoxy Coated	Pound		3,840	3,840
Steel Railing, Type S-1	Foot	129		129
Furnishing Metal Shell Piles 12"x0.25"	Foot		450	450
Driving Piles	Foot		450	450
Test Pile Metal Shells	Each		1	1
Pile Shoes	Each		10	10
Name Plates	Each		1	1
Waterproofing Membrane System	Sq. Yd.	205		205
P.C. Mortar Fairing Course	Foot	135		135
Controlled Low-Strength Material	Cu. Yd.			60

FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -

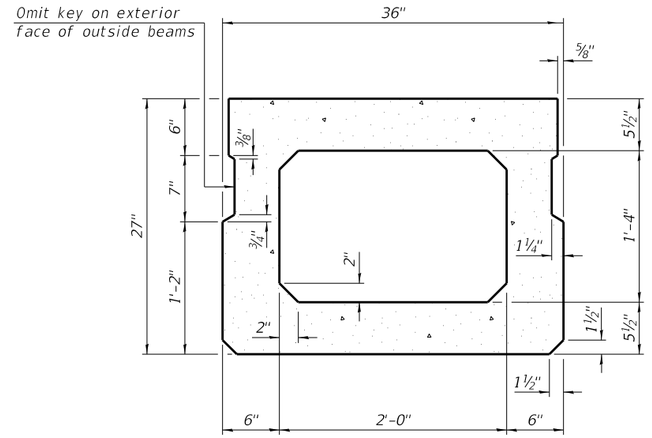
STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

GENERAL DETAILS
STRUCTURE NO. 090-3258
SHEET NO. 2 OF 11 SHEETS

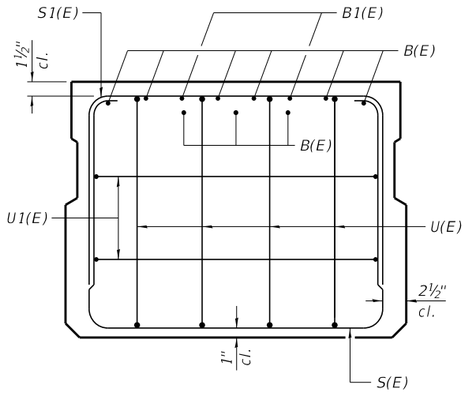
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	8
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



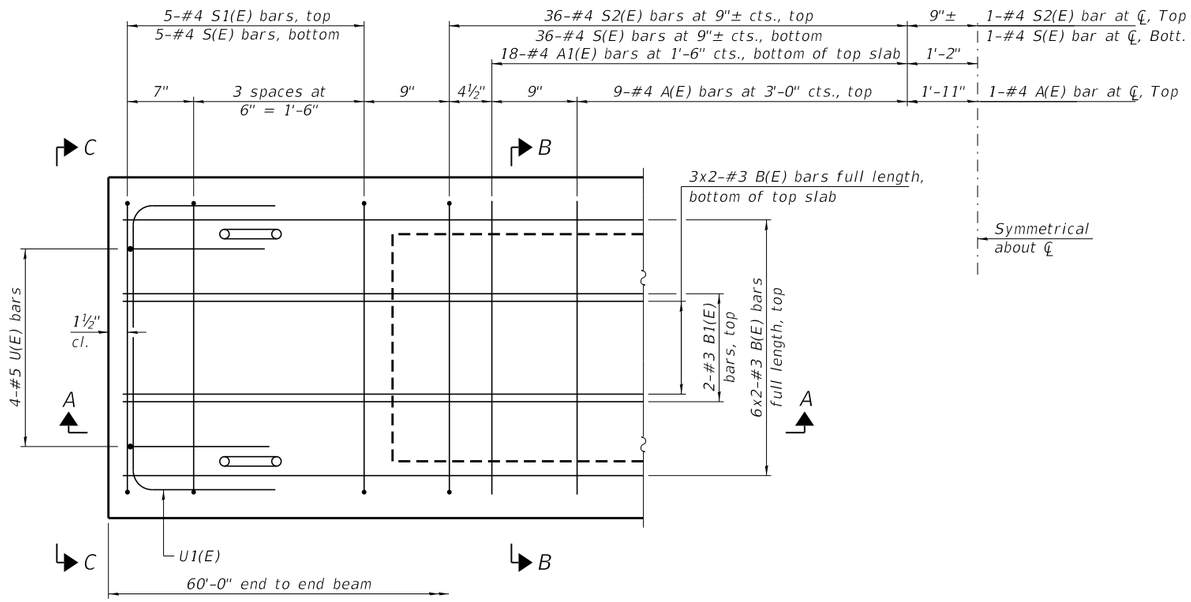
SECTION A-A



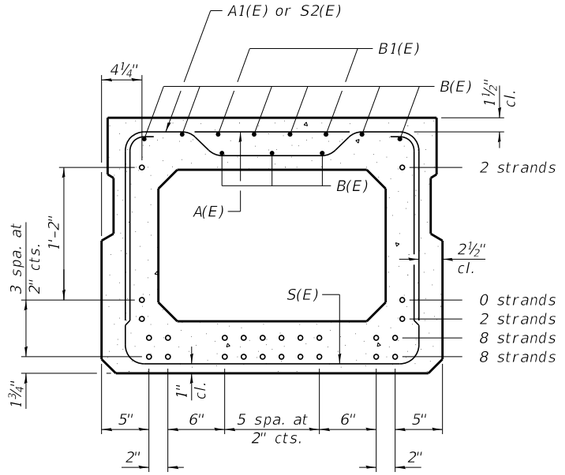
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

Bars indicated thus 6x2-#3 etc. indicates 6 lines of bars with 2 lengths per line.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	19	#4	2'-7"	—
A1(E)	36	#4	2'-10"	~
B(E)	18	#3	30'-8"	—
B1(E)	4	#3	10'-0"	—
S(E)	83	#4	7'-5"	⊔
S1(E)	10	#4	5'-11"	⊓
S2(E)	73	#4	6'-2"	⊓
U(E)	8	#5	4'-6"	⊏
U1(E)	4	#4	5'-0"	⊓

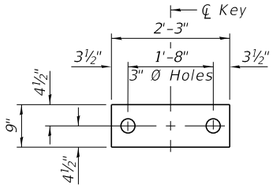
Note:
See sheets 4 & 5 of 11 for additional details and Bill of Material.

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

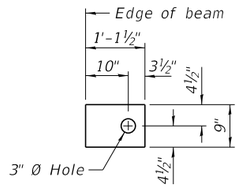
PD-2736-0 1-1-2020

FILE NAME = 210684-shl-brdge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT	27" x 36" PPC DECK BEAM STRUCTURE NO. 090-3258
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 3 OF 11 SHEETS
	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -		
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	9
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			



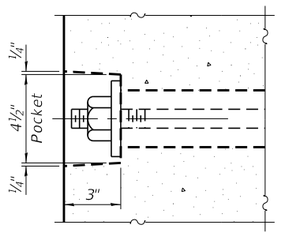
FABRIC BEARING PAD
(Interior - 18 Req'd)



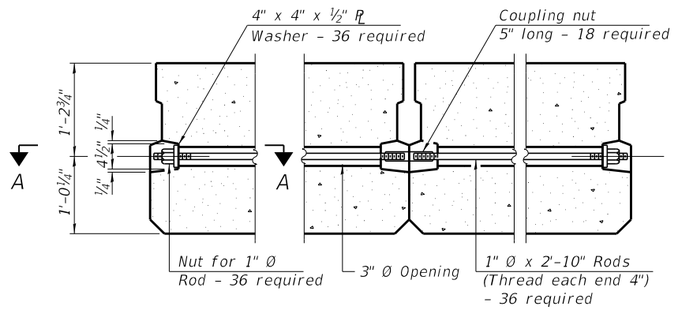
FABRIC BEARING PAD
(Exterior - 4 Req'd)

FIXED

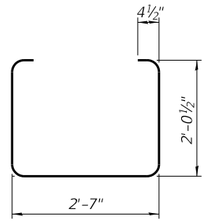
Notes:
All bearing pads shall be 1" thick.



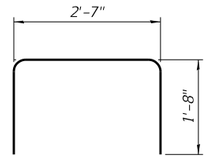
SECTION A-A



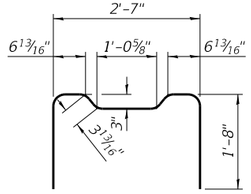
TYPICAL TRANSVERSE TIE ASSEMBLY



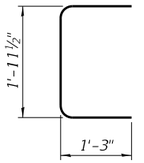
BAR S(E)



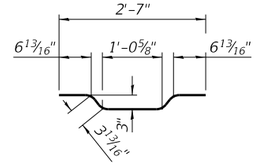
BAR S1(E)



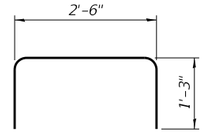
BAR S2(E)



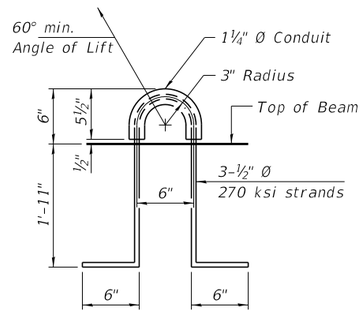
BAR U(E)



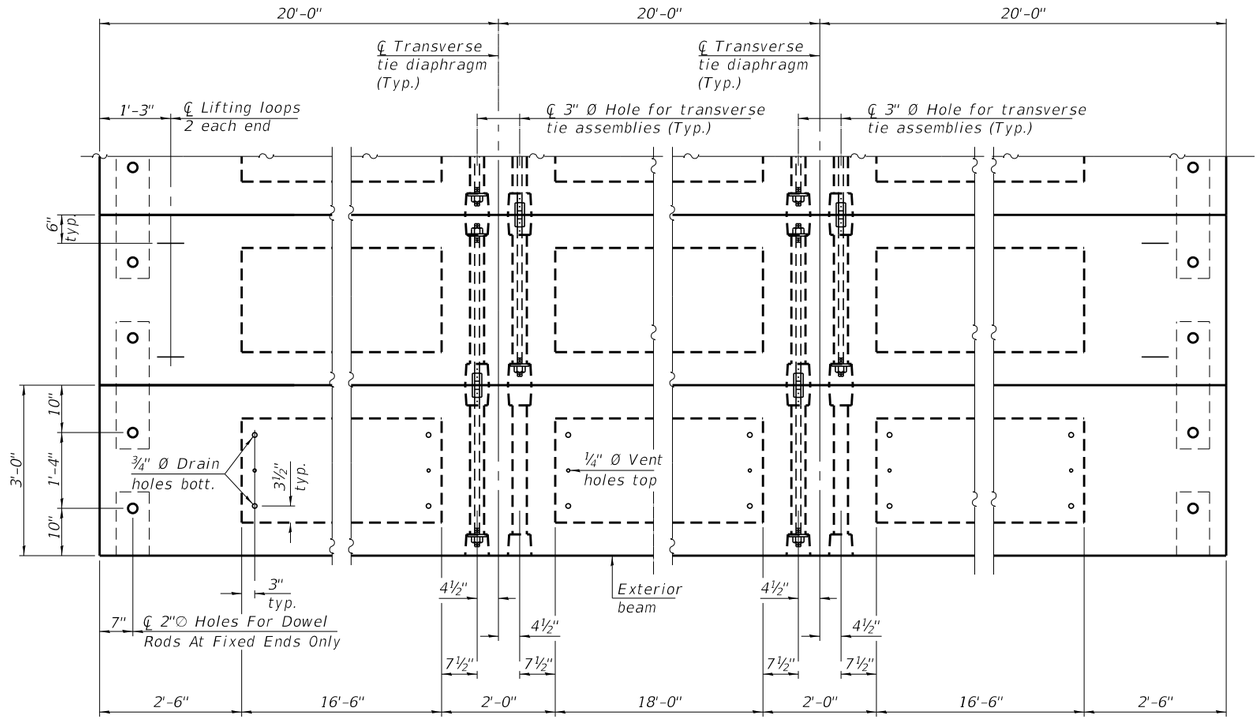
BAR U1(E)



BAR A1(E)



LIFTING LOOP DETAIL



PLAN VIEW

Note:
Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

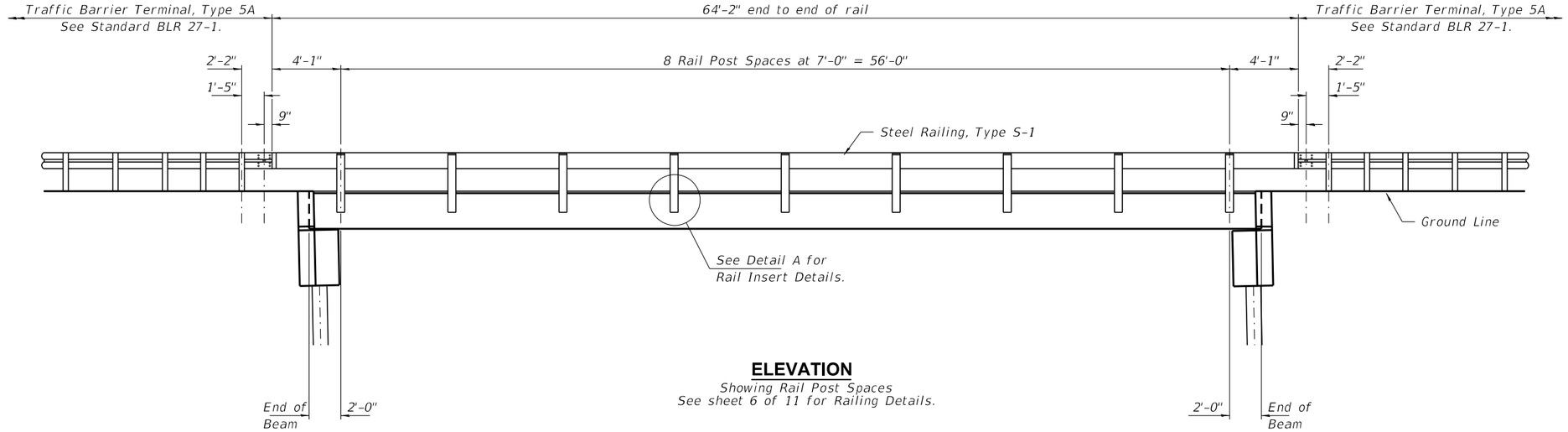
Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1,800

PDD-2736-0 1-1-2020

FILE NAME = 210684-shl-brfdge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -	
	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -	
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -	

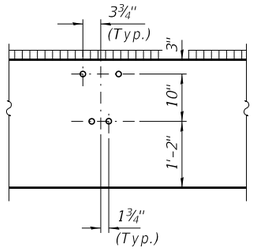
27" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 090-3258
SHEET NO. 4 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	10
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

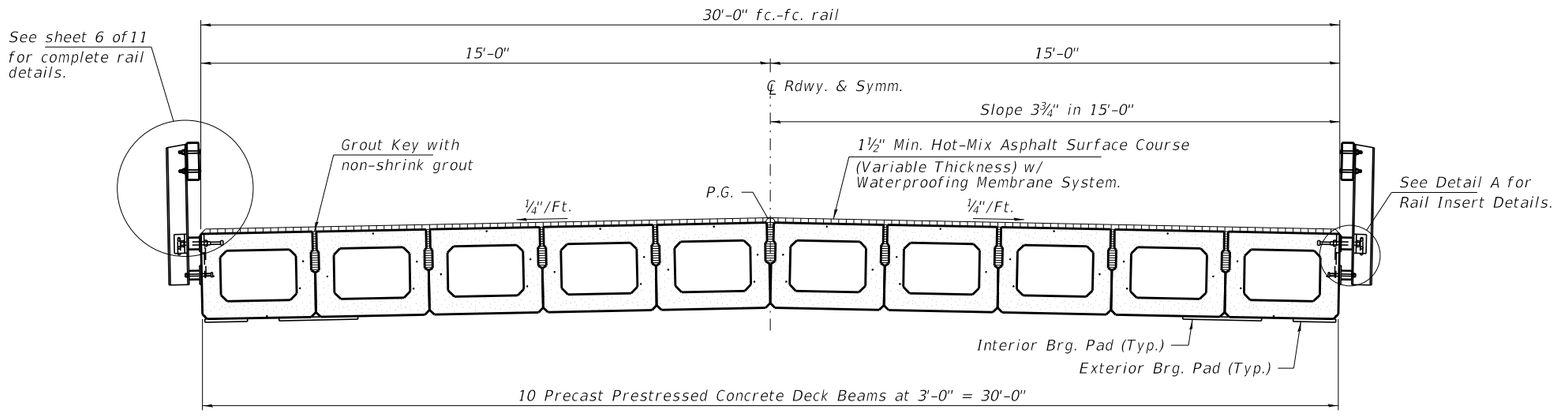


ELEVATION

Showing Rail Post Spaces
See sheet 6 of 11 for Railing Details.

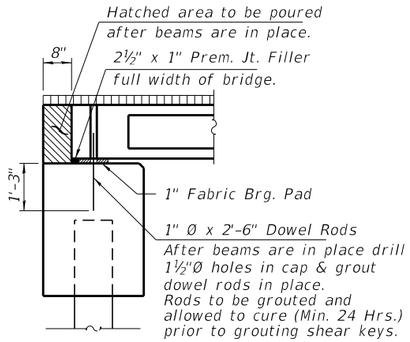


DETAIL A



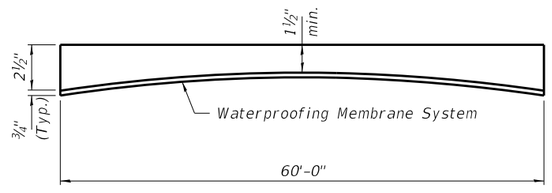
CROSS SECTION

See sheets 3 & 4 of 11 for Superstructure.



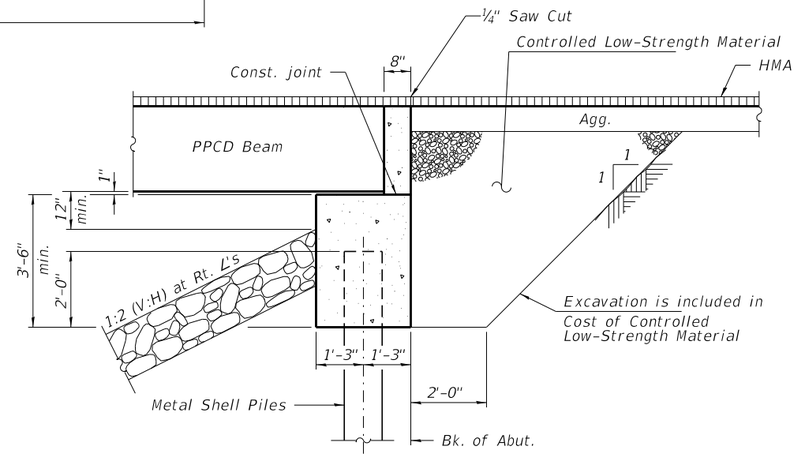
SECTION AT ABUTMENTS

at Rt. ℄'s



ANTICIPATED HMA WEARING SURFACE PROFILE

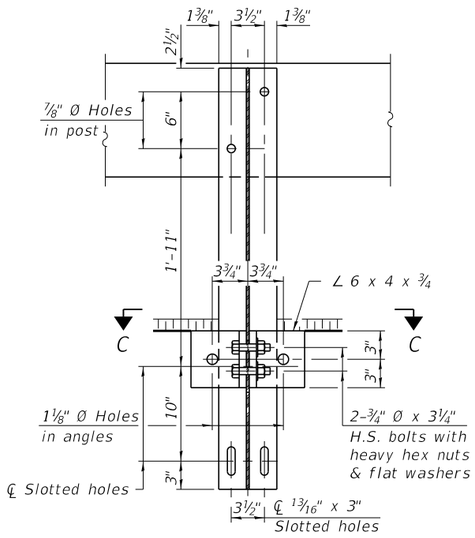
(For information only - beam camber may vary in field.)



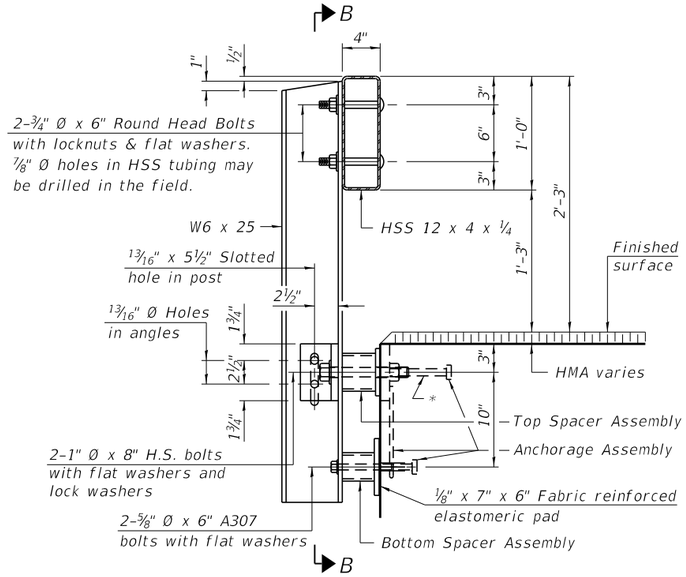
SECTION THRU ABUTMENT

(Horiz. dim. at Rt. ℄'s)

FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 090-3258	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -			170	19-08124-00-BR	TAZEWELL	29	11
	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -			GROVELAND ROAD DISTRICT		CONTRACT NO.		
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -		SHEET NO. 5 OF 11 SHEETS		ILLINOIS	FED. AID PROJECT		

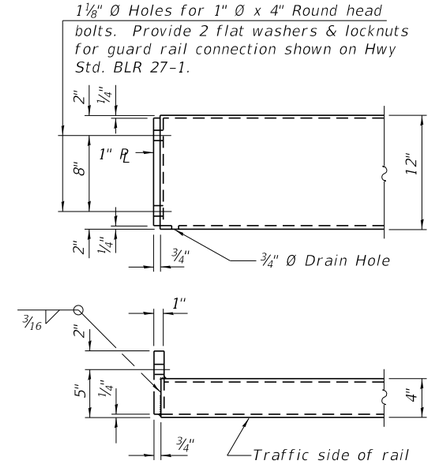


SECTION B-B



SECTION AT RAILING POST

* *The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down ½" to accommodate the top reinforcement bar placement.*



END OF RAIL DETAILS

Notes:

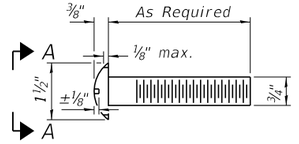
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11½", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than ¼" (top) or ½" (bottom), longer bolts are required. Cost included with Steel Railing, Type S-1.

All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.

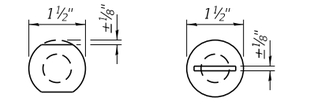
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 -⅜" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.

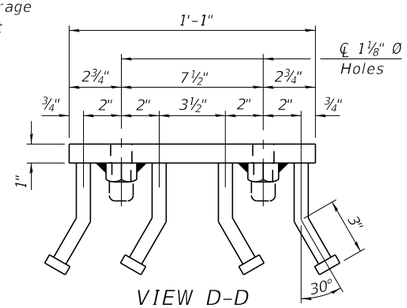


ROUND HEAD BOLT DETAIL

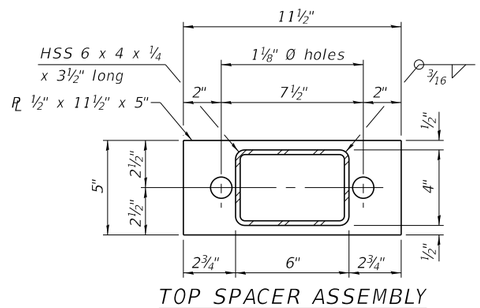


Without Slot or Recess — *With Slot (shown) or Approved Recess*

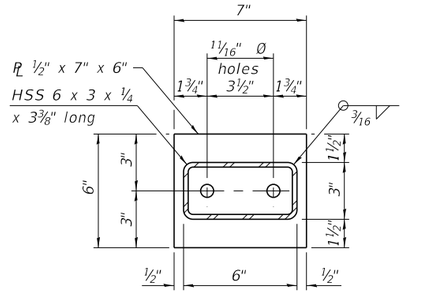
VIEW A-A



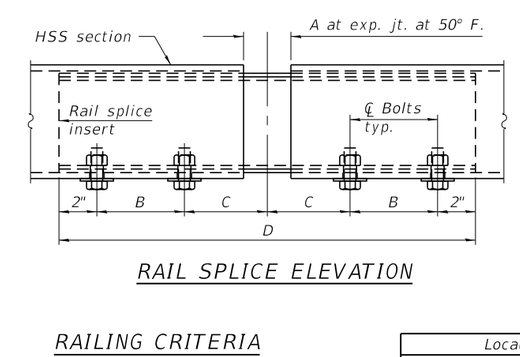
VIEW D-D



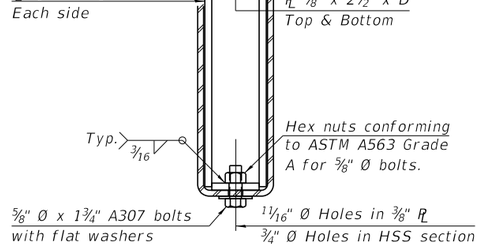
TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

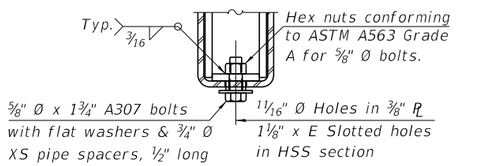


SECTION C-C

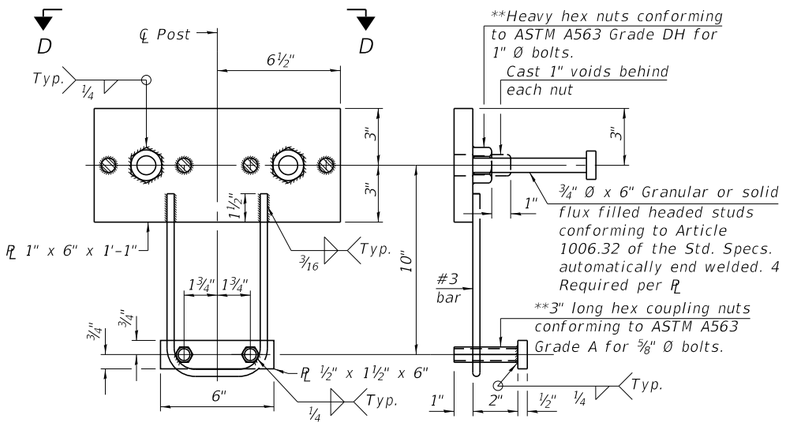


SECTION AT RAIL SPLICE

RAIL SPLICE ELEVATION



RAIL SPLICE CONNECTION AT EXPANSION JT.



ANCHORAGE ASSEMBLY

** *Threaded areas shall be plugged or blocked off during casting of concrete.*

RAILING CRITERIA

NCHRP 350 Test Level	2
Railing Weight (plf)	50
Max Post Spacing	10'-9"
HMA thickness range (in)	1¼ - 3⅛

R-23A

10-12-2021

SPLICE DIMENSIONS

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	¼"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2½"	4⅝"	4⅜"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9½"	5½"	7⅜"	7¼"	2'-9¼"	5 13/16"
Over Finger or Modular Jt.	≤15"	8¼"	10⅛"	10"	3'-8¼"	8 9/16"

T = ; total movement along centerline of roadway at expansion joint.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	129

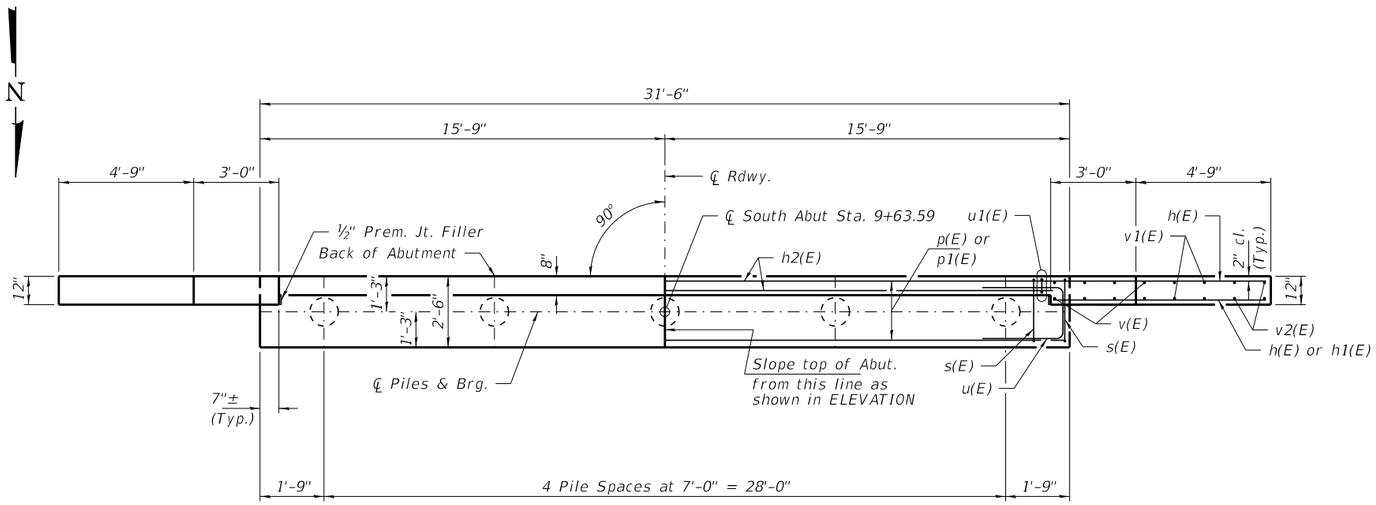
FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

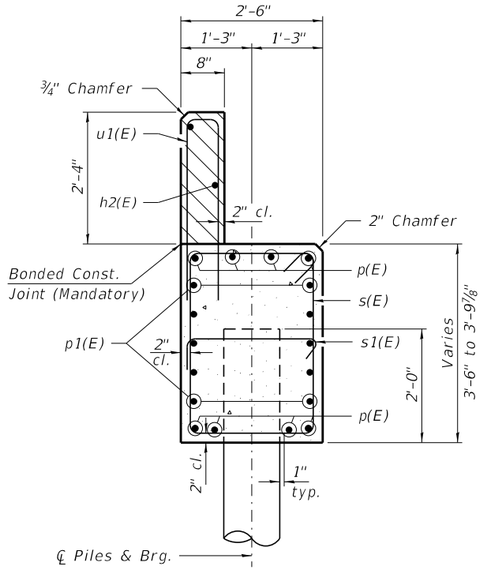
STEEL RAILING, TYPE S-1
STRUCTURE NO. 090-3258

SHEET NO. 6 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	12
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



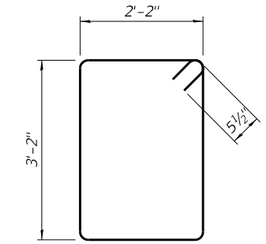
PLAN



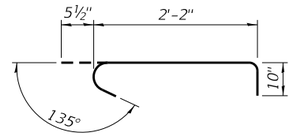
SECTION A-A

Hatched area to be poured after beams are in place.

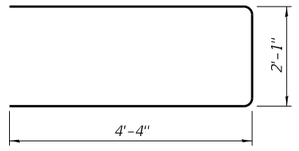
Cast top of wingwall flush with exterior beam face after beams have been erected.



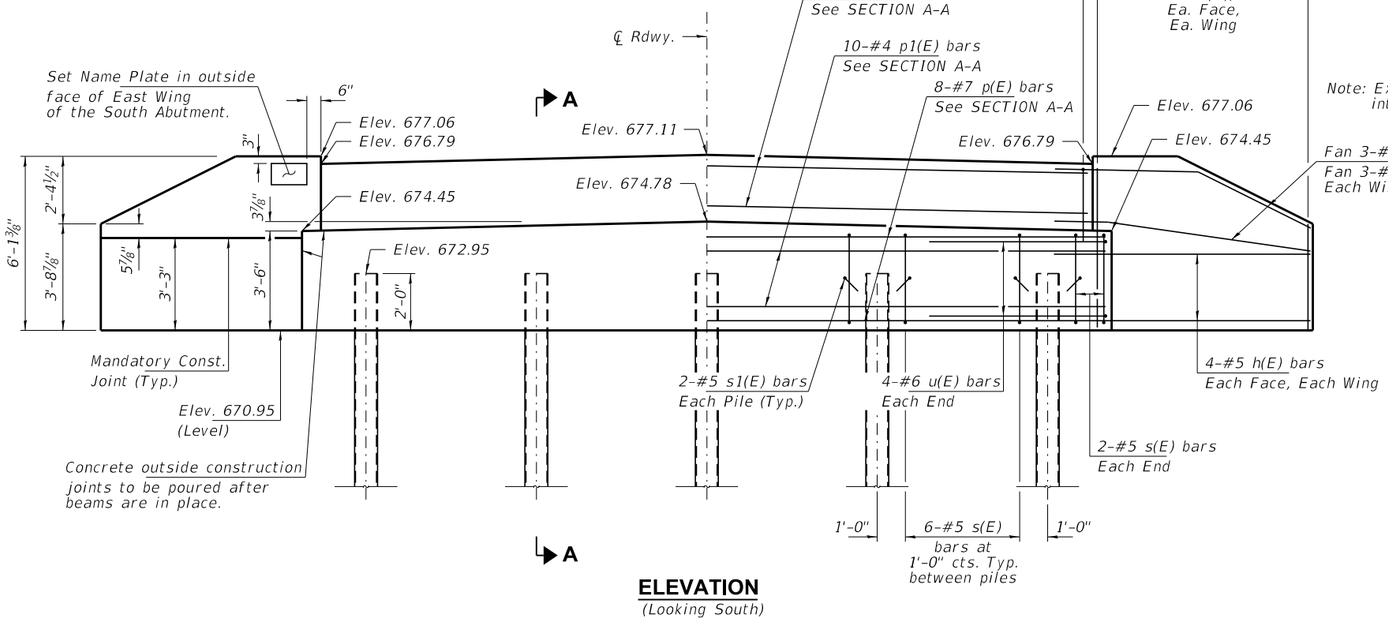
BAR s(E)



BAR s1(E)

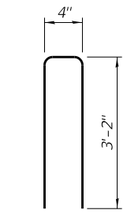


BAR u(E)



ELEVATION

(Looking South)



BAR u1(E)

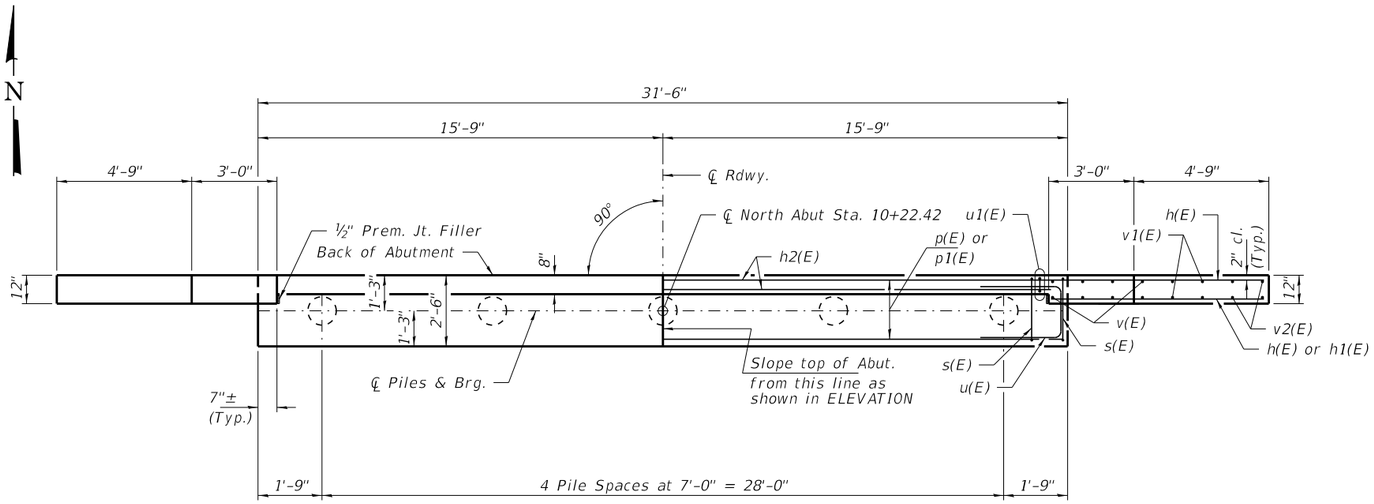
BILL OF MATERIAL - S. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#5	9'-0"	
h1(E)	6	#5	7'-6"	
h2(E)	2	#5	31'-2"	
p(E)	8	#7	31'-2"	
p1(E)	10	#4	31'-2"	
s(E)	28	#5	11'-7"	
s1(E)	10	#5	3'-6"	
u(E)	8	#6	10'-9"	
u1(E)	30	#5	6'-8"	
v(E)	16	#5	5'-10"	
v1(E)	8	#5	4'-9"	
v2(E)	8	#5	3'-8"	
Concrete Structures			Cu. Yd.	15.1
Reinf. Bars, Epoxy Coated			Pound	1,920
Furnishing Metal Shell Piles 12"x0.25"			Foot	200
Driving Piles			Foot	200
Pile Shoes			Each	5
Name Plates			Each	1

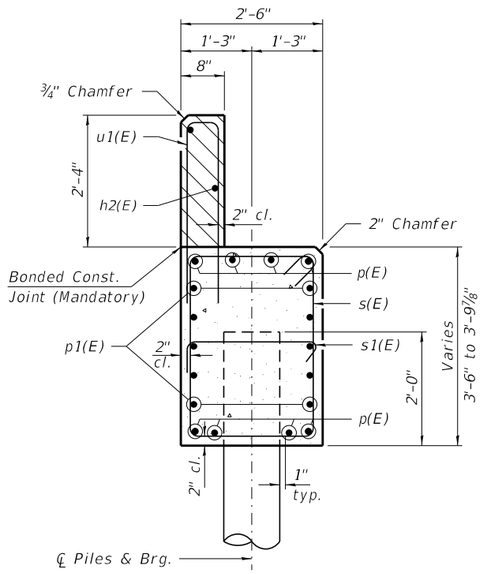
PILE DATA

Type: _____ Metal Shell Piles 12"x0.25" w/ Pile Shoes
Nominal Required Bearing: _____ 290 Kips/Pile
Factored Resistance Available: _____ 160 Kips/Pile
Est. Length: _____ 50 Ft/Pile
No. Production Piles: _____ 5

FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT	SOUTH ABUTMENT STRUCTURE NO. 090-3258	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 7 OF 11 SHEETS	170	19-08124-00-BR	TAZEWELL	29	13
	PLOT SCALE = $SCALES	DRAWN - G.D.M.	REVISED -			GROVELAND ROAD DISTRICT		CONTRACT NO.		
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -			ILLINOIS	FED. AID PROJECT			



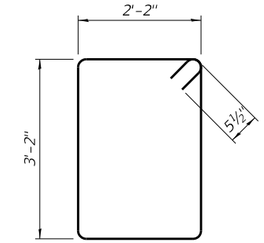
PLAN



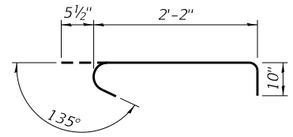
SECTION A-A

Hatched area to be poured after beams are in place.

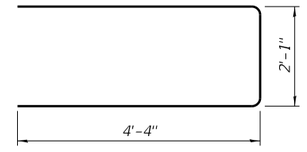
Cast top of wingwall flush with exterior beam face after beams have been erected.



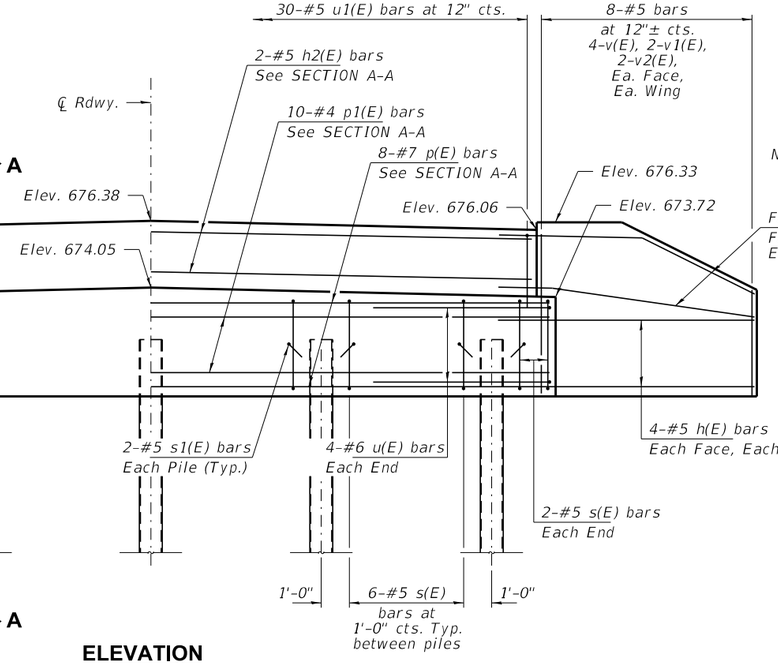
BAR s(E)



BAR s1(E)



BAR u(E)



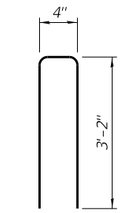
ELEVATION

(Looking North)

PILE DATA

Type: Metal Shell Piles 12"x0.25" w/ Pile Shoes
Nominal Required Bearing: 290 Kips/Pile
Factored Resistance Available: 160 Kips/Pile
Est. Length: 50 Ft/Pile
No. Production Piles: 4
No. Test Piles: 1

Notes: One test pile shall be driven in a permanent location at the North Abutment.



BAR u1(E)

BILL OF MATERIAL - N. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#5	9'-0"	
h1(E)	6	#5	7'-6"	
h2(E)	2	#5	31'-2"	
p(E)	8	#7	31'-2"	
p1(E)	10	#4	31'-2"	
s(E)	28	#5	11'-7"	
s1(E)	10	#5	3'-6"	
u(E)	8	#6	10'-9"	
u1(E)	30	#5	6'-8"	
v(E)	16	#5	5'-10"	
v1(E)	8	#5	4'-9"	
v2(E)	8	#5	3'-8"	
Concrete Structures			Cu. Yd.	15.1
Reinf. Bars, Epoxy Coated			Pound	1,920
Furnishing Metal Shell Piles 12"x0.25"			Foot	250
Driving Piles			Foot	250
Test Pile Metal Shells			Each	1
Pile Shoes			Each	5

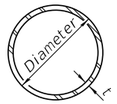
FILE NAME = 210684-shl-brldge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE = $SCALES	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

NORTH ABUTMENT
STRUCTURE NO. 090-3258

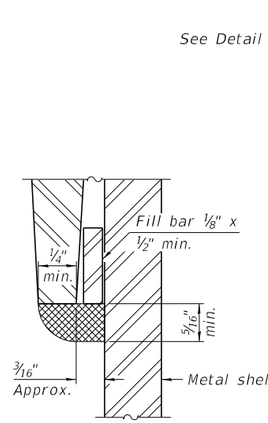
SHEET NO. 8 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	14
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

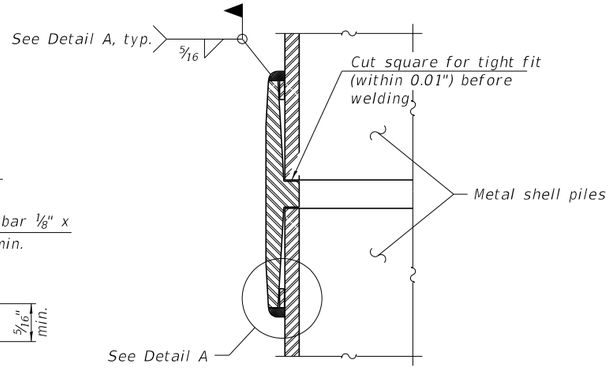


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

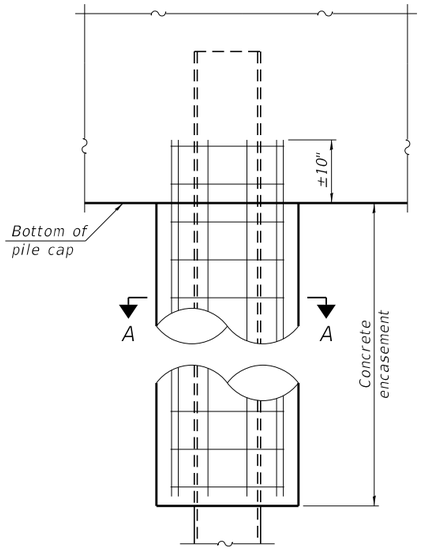


DETAIL A

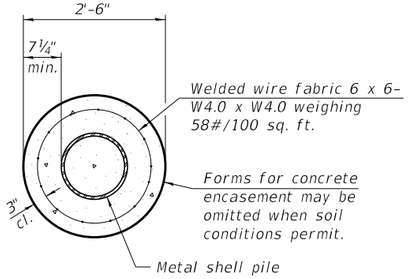


WELDED COMMERCIAL SPLICE

Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



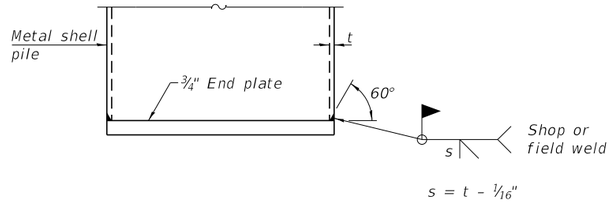
ELEVATION



SECTION A–A

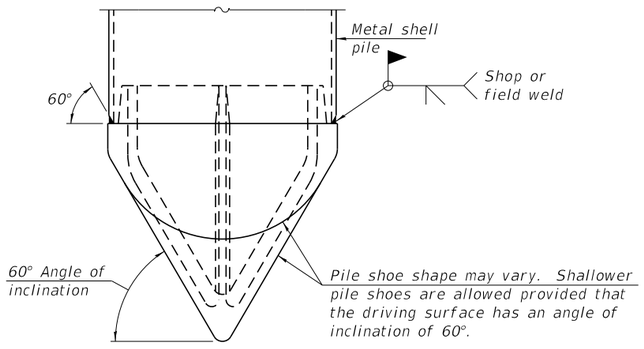
INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



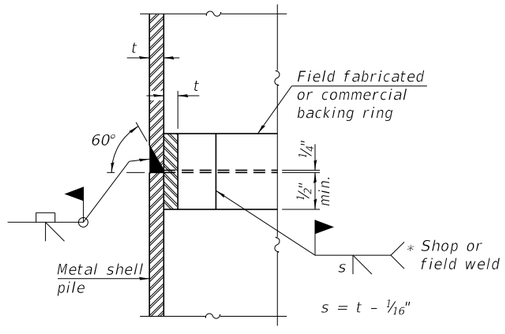
s = t – 1/16"

END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

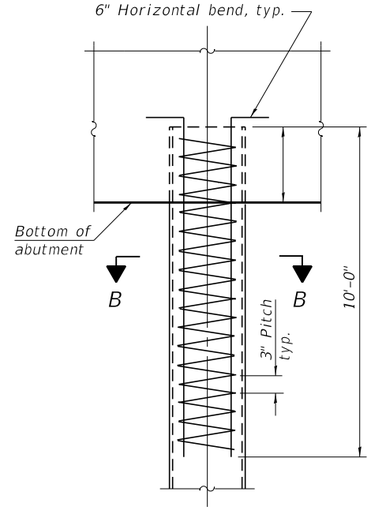
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80–50 or AASHTO M 103 Grade 65–35 and shall provide full bearing over the full 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).



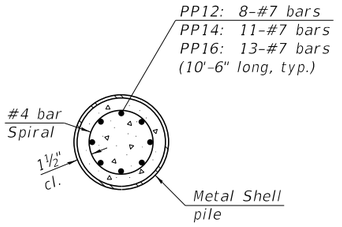
s = t – 1/16"

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

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F–MS 1-1-2020

FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED – S.T.M.	REVISED –
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED – S.W.M.	REVISED –
	PLOT SCALE = $SCALE$	DRAWN – G.D.M.	REVISED –
	PLOT DATE = 8/14/2023	CHECKED – S.T.M. / S.W.M.	REVISED –

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

METAL SHELL PILE DETAILS
STRUCTURE NO. 090-3258
SHEET NO. 9 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	15
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

ILLINOIS DEPARTMENT OF TRANSPORTATION
Midwest Engineering and Testing
STRUCTURE BORING LOG

Date 10/7/22

ROUTE Unsicker Road DESCRIPTION Unsicker Road Over Dillon Creek

SECT. 19-08124-00-BR STRUCT. NO. DRILLED BY D. Crump

COUNTY Tazewell LOCATION Groveland Township S. 36 , TWP. 25N , RNG. 4W

Boring No. B-1 S. Abutment
Station
Offset ft
Surface Elev. (675.2) 99.00 ft

Surface Water Elev.
Groundwater Elev.:
when drilling
at Completion
after Hrs.

	DEPTH	BLOWS	Qu tsf	W %
Bituminous Pavement 98.70				
Loose to very loose brown fine to coarse SAND, trace clay binder (674.9)		3 3 2		8
		3 1 1		8
	-5			
(669.2) 93.00				
Very stiff brown-gray CLAY LOAM (TILL)		2 4 4	S 2.16	16
		3 4 6	B 2.54	16
	-10			
(664.2) 88.00				
Very stiff gray CLAY LOAM (TILL)		2 2 2	B 2.01	14
		1 3 4	B 2.21	14
	-15			
		2 3 3	B 2.26	13
		2 3 5	B 2.09	14
	-20			
		2 3 4	B 2.50	14
(650.2) 74.00	-25	2 4 5	B 2.05	13
Very stiff gray CLAY LOAM (TILL)		3 3 4	B 2.38	14
		3 3 6	B 2.09	13
	-30			
(642.2) 66.00				
Stiff gray CLAY LOAM (TILL)		2 3 5	B 1.03	15
	-35			
(637.2) 61.00				
Very stiff to hard gray CLAY LOAM (TILL)		3 4 6	B 2.26	11
	-40			
		3 6 9	B 4.39	12
	-45			
(627.2) 51.00				
Very stiff gray CLAY LOAM (TILL)		4 5 17	B 2.50	13
(625.2) 49.00	-50			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION
Midwest Engineering and Testing
STRUCTURE BORING LOG

Date 10/7/22

STRUCTURE NO.
ROUTE Unsicker Road
SECTION 19-08124-00-BR
COUNTY Tazewell

Boring No. B-1 S. Abutment
Station
Offset ft
Elevation (625.2) 49.00 ft

	DEPTH	BLOWS	Qu tsf	W %
Very stiff gray CLAY LOAM (TILL)				
		3 5 9	S 2.32	26
	-55			
(617.2) 41.00				
Medium dense gray-dark brown SILT		3 10 19		29
(615.2) 39.00	-60			
End of Boring at 60'				
	-65			
	-70			
	-75			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

BORING-1

FILE NAME = 210684-shl-brldge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 090-3258
SHEET NO. 10 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	16
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
Midwest Engineering and Testing
STRUCTURE BORING LOG

Date 10/7/22

ROUTE Unsicker Road DESCRIPTION Unsicker Road Over Dillon Creek

SECT. 19-08124-00-BR STRUCT. NO. _____ DRILLED BY D. Crump

COUNTY Tazewell LOCATION Groveland Township S. 36 , TWP. 25N , RNG. 4W

Boring No. B-2 N. Abutment
Station _____
Offset _____ ft
(675.3)
Surface Elev. 99.10 ft

Surface Water Elev. _____
Groundwater Elev.:
when drilling _____
at Completion _____
after _____ Hrs. _____

	DEPTH	BLOWS	Qu tsf	W %
Bituminous Pavement 98.80 (675.0)				
Medium stiff dark brown SILTY LOAM		3 2 1	B 0.90	18
(672.3) 96.10				
Loose brown fine to coarse SAND		3 2 2		6
	-5			
		2 2 2		8
(667.3) 91.10				
Soft gray SILTY LOAM		2 1 2	P 0.5	26
	-10			
(664.3) 88.10				
Medium stiff brown-gray CLAY LOAM (TILL)		1 2 1	B 0.90	18
(662.3) 86.10				
Very stiff to stiff gray CLAY LOAM (TILL)		1 2 4	B 2.67	14
	-15			
		2 2 5	B 1.15	13
		1 3 5	B 2.46	13
	-20			
		2 2 4	B 2.30	13
		2 2 5	B 2.01	14
74.10	-25			

	DEPTH	BLOWS	Qu tsf	W %
Very stiff to stiff gray CLAY LOAM (TILL)		2 4 4	B 2.38	13
	-30	2 4 5	P 2.5	13
	-35	2 4 6	B 1.89	14
	-40	2 5 6	B 1.85	13
(632.3) 56.10				
Hard gray CLAY LOAM (TILL)		3 6 9	B 4.96	11
	-45			
(625.3) 49.10	-50	3 6 9	B 4.72	12

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION
Midwest Engineering and Testing
STRUCTURE BORING LOG

Date 10/7/22

STRUCTURE NO. _____
ROUTE Unsicker Road
SECTION 19-08124-00-BR
COUNTY Tazewell

Boring No. B-2 N. Abutment
Station _____
Offset _____ ft
(625.3)
Elevation 49.10 ft

	DEPTH	BLOWS	Qu tsf	W %
Very stiff gray CLAY LOAM (TILL)				
	-55	3 6 10	B 2.62	11
		3 7 8	P 2.5	13
(615.3) 39.10	-60			
End of Boring at 60'				
	-65			
	-70			
	-75			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

BORING-2

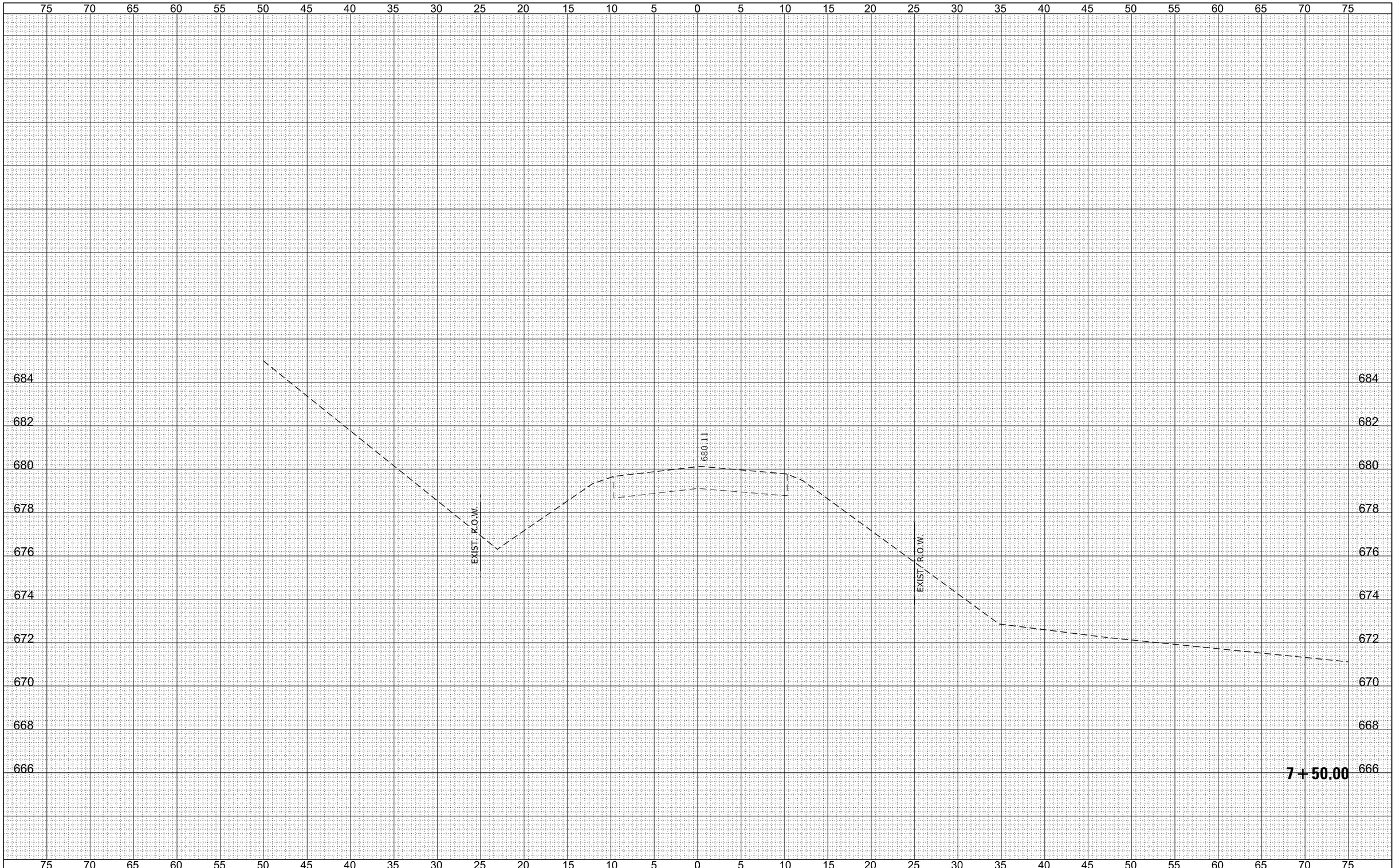
FILE NAME = 210684-shl-bridge.dgn	USER NAME = tlmk	DESIGNED - S.T.M.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 090-3258	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -			170	19-08124-00-BR	TAZEWELL	29	17
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	DRAWN - G.D.M.	REVISED -		SHEET NO. 11 OF 11 SHEETS	GROVELAND ROAD DISTRICT		CONTRACT NO.		
	PLOT DATE = 8/14/2023	CHECKED - S.T.M. / S.W.M.	REVISED -			ILLINOIS	FED. AID PROJECT			

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

BY	DATE

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

BY	DATE



FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 1 OF 12 SHEETS | STA. 7+50.00 | TO STA. 7+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	18
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

FINAL SURVEY	
NOTE BOOK	
NO.	

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY

DATE

IMPROVEMENT BEGINS STA. 7+75 AHEAD C = 30 F = 0
BACK C = 0 F = 0

679.73

PROP. R.O.W.
EXIST. R.O.W.

S.D.
676.26

EXIST. R.O.W.
PROP. R.O.W.

684
682
680
678
676
674
672
670
668
666

7 + 75.00

FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -	**STATE OF ILLINOIS**	**STATION CROSS SECTIONS**
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -	**TAZEWELL COUNTY HIGHWAY DEPARTMENT**	
3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V / SHEET NO. 2 OF 12 SHEETS / STA. 7+75.00 TO STA. 7+75.00
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	19
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY

DATE

FINAL SURVEY	NOTE BOOK	
	NO.	

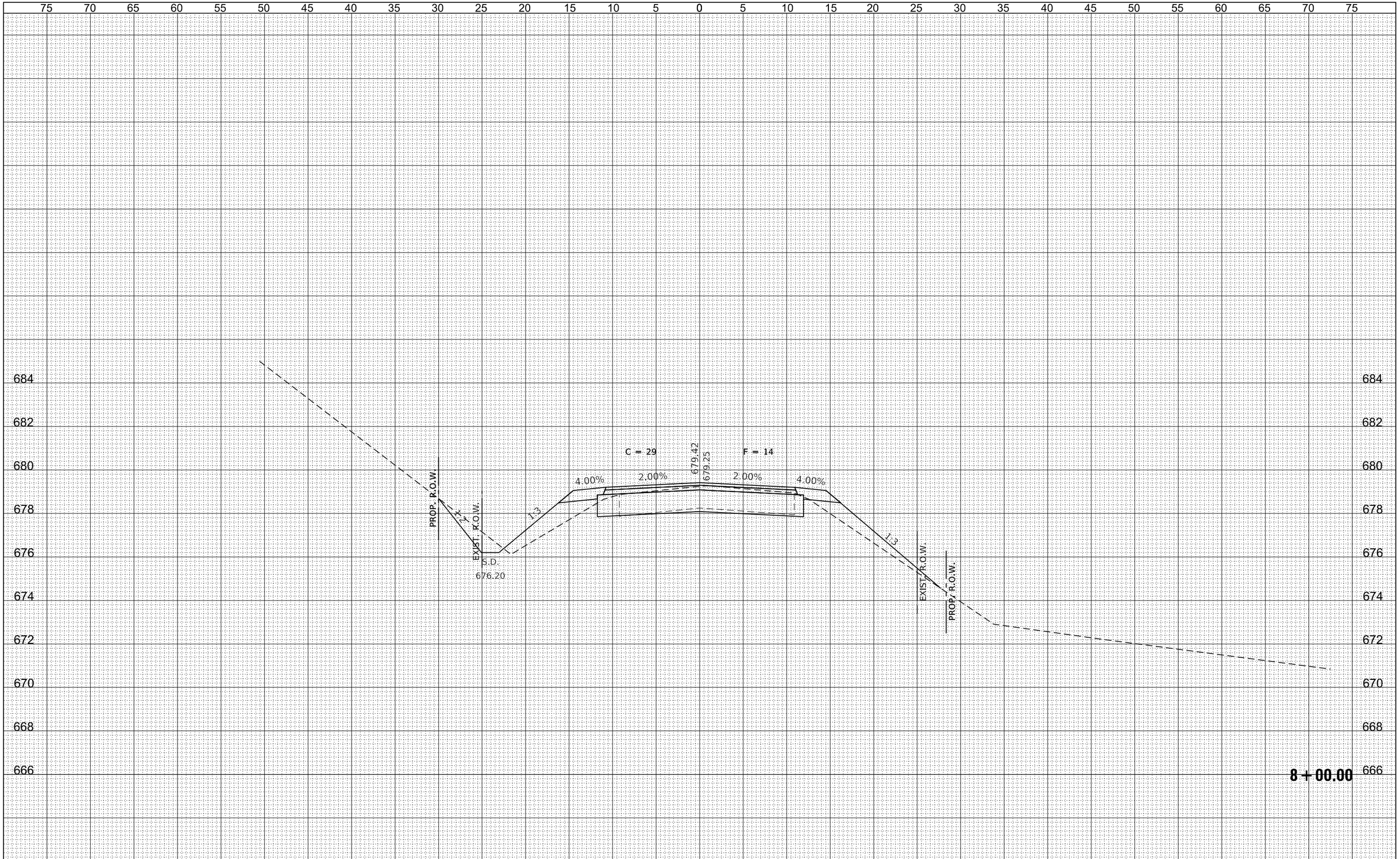
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	
	NO.	

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

BY	DATE

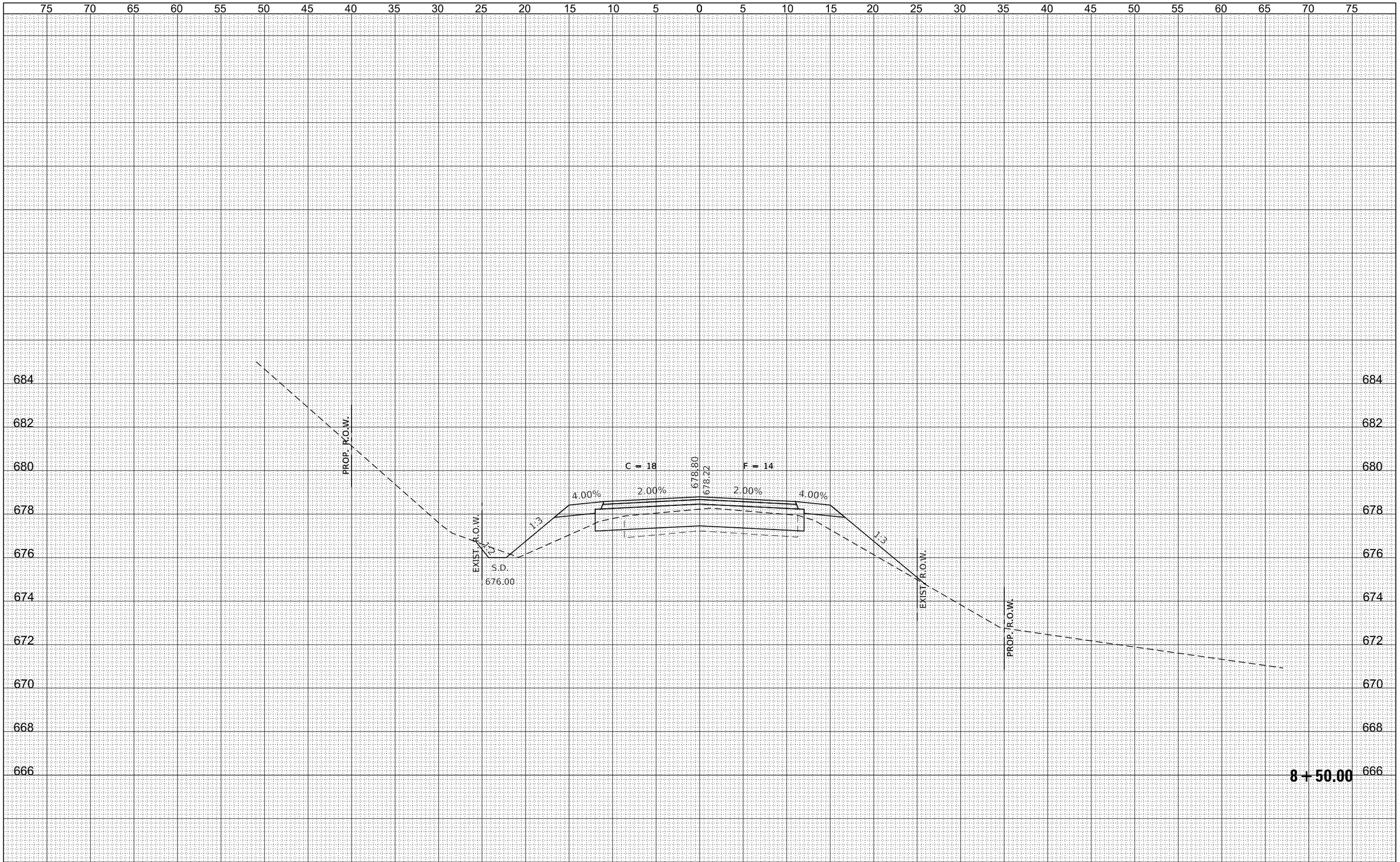


FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -	STATE OF ILLINOIS TAZEWELL COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -		SCALE: 5H:2V / SHEET NO. 3 OF 12 SHEETS / STA. 8+00.00 TO STA. 8+00.00
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	20
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

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

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



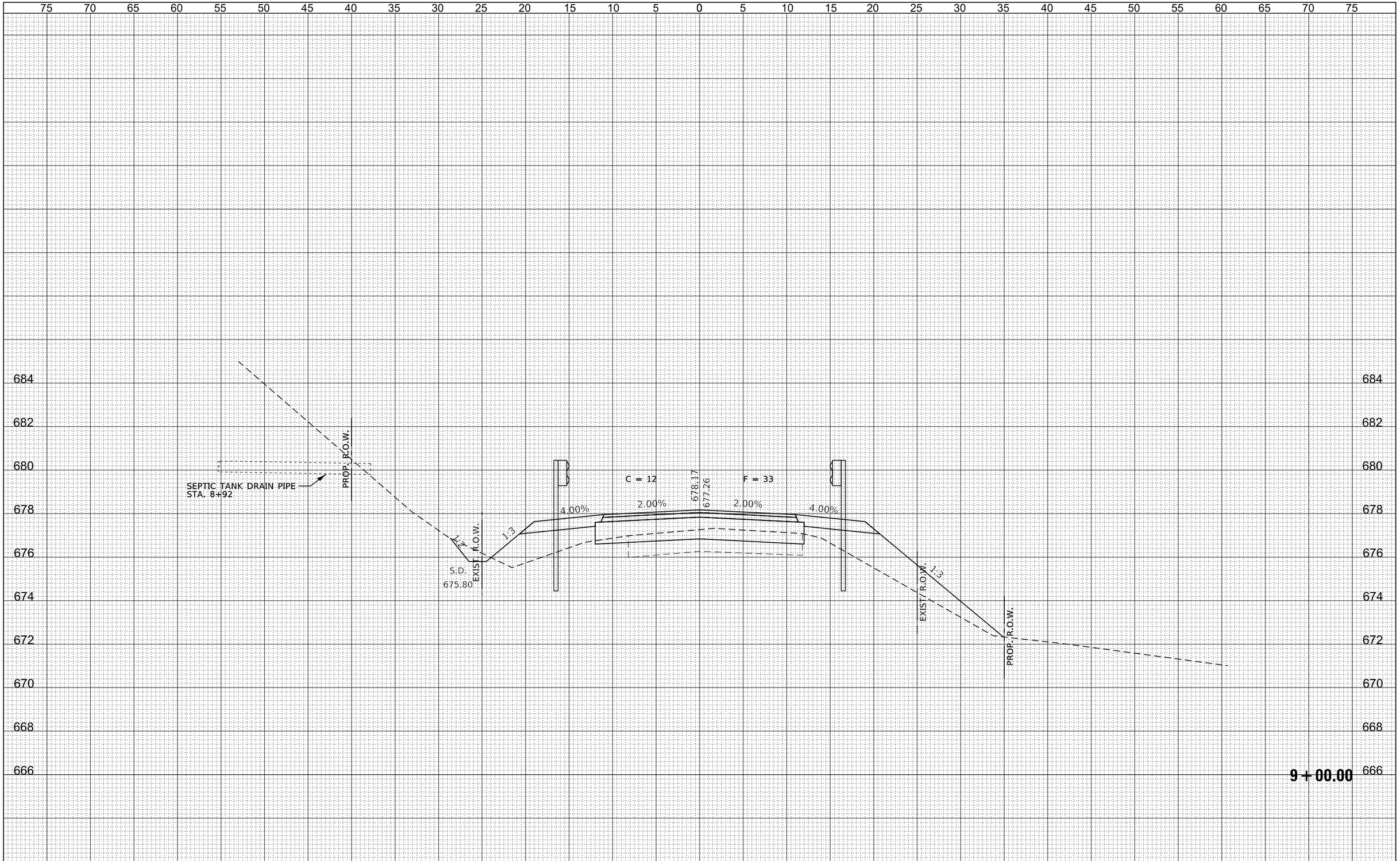
FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 4 OF 12 SHEETS | STA. 8+50.00 | TO STA. 8+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	21
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = 210684-shl-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -
5085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000659	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

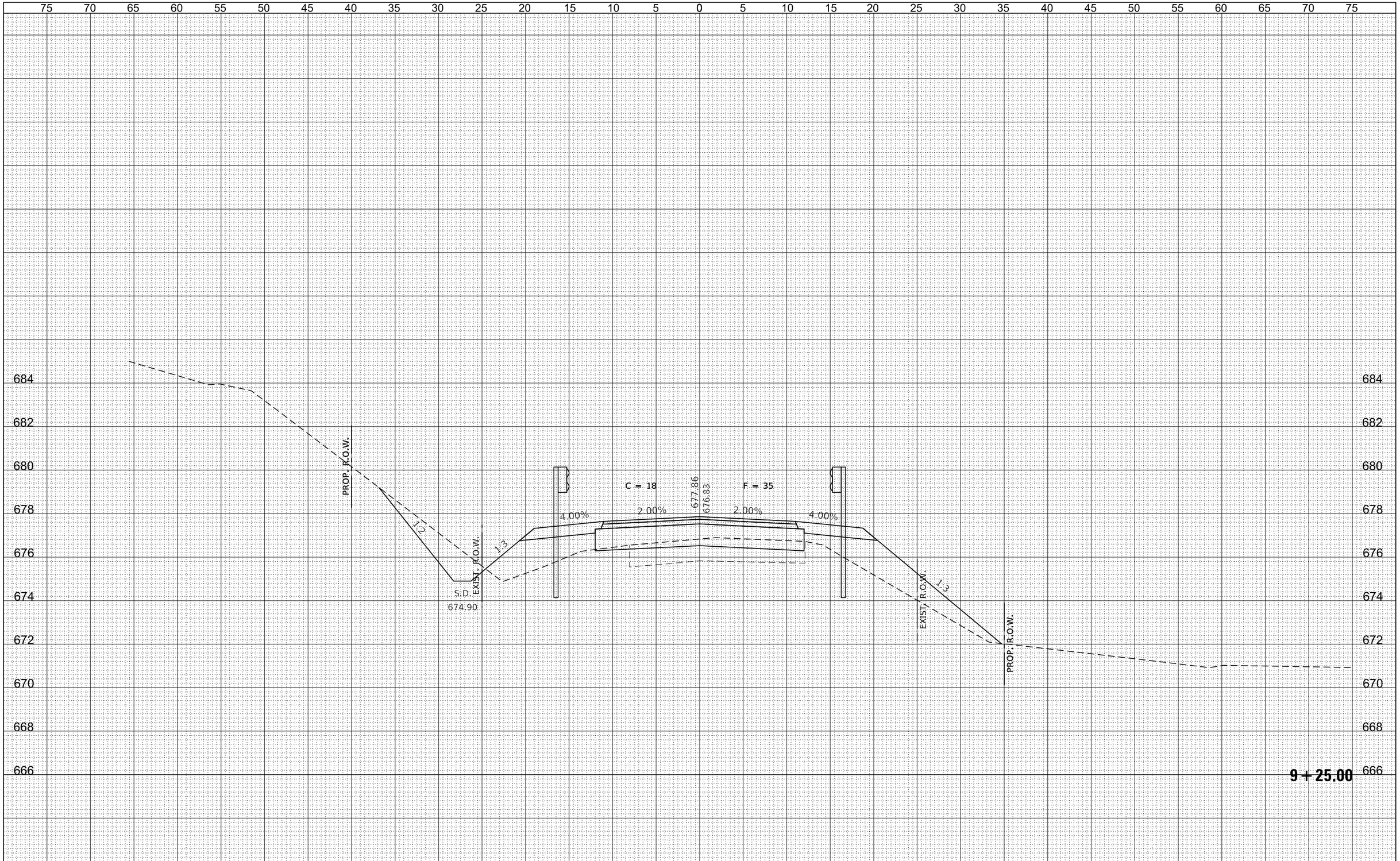
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 5 OF 12 SHEETS | STA. 9+00.00 | TO STA. 9+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	22
GROVELAND ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

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

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



FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -
		DRAWN - T.W.K.	REVISED -
PLOT SCALE = $SCALE$		CHECKED - J.W.F.	REVISED -
PLOT DATE = 8/14/2023		DATE - 02/13/2023	REVISED -

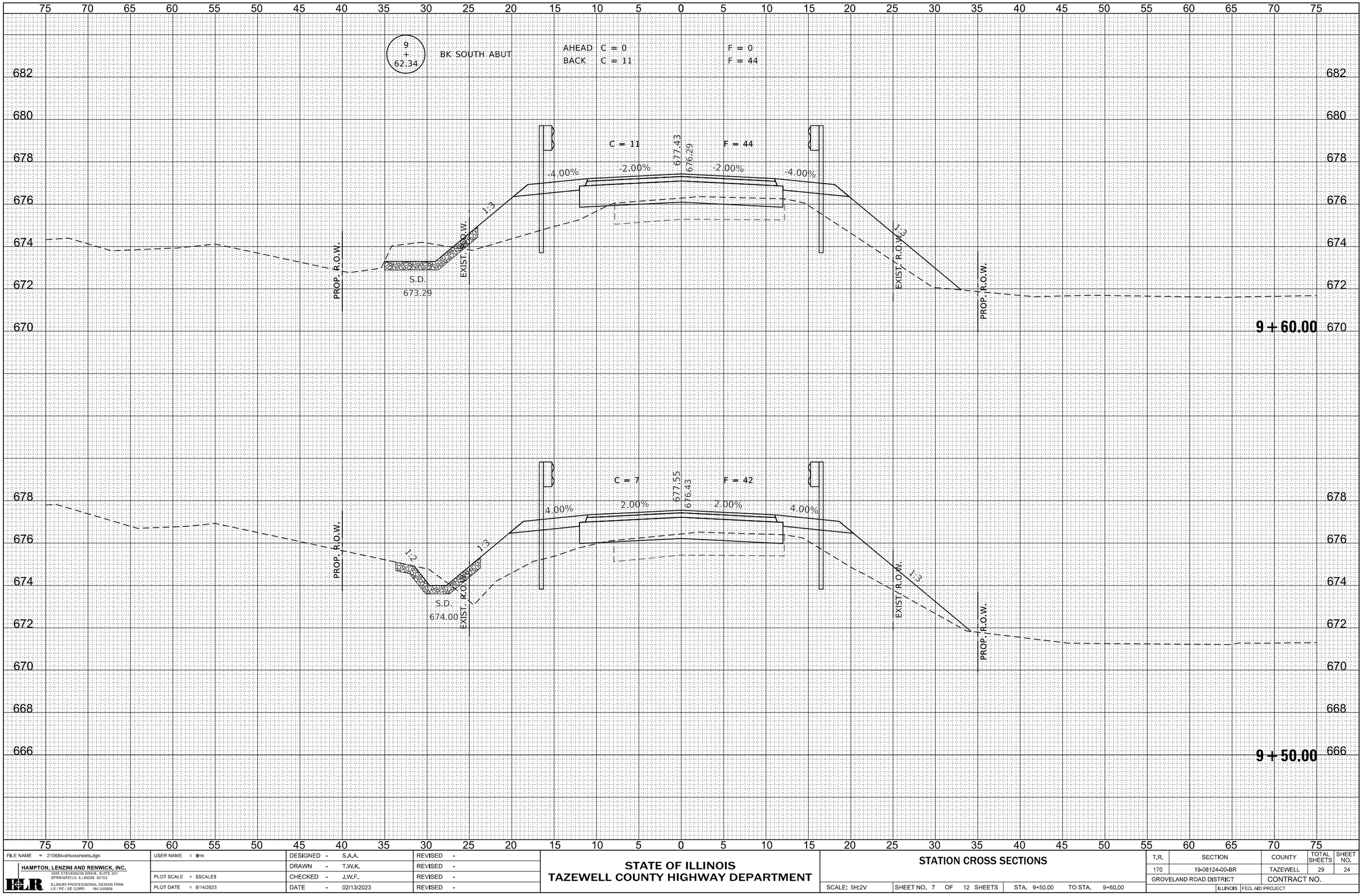
HAMPTON, LENZINI AND RENWICK, INC.
5085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000659

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 6 OF 12 SHEETS | STA. 9+25.00 TO STA. 9+25.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	23
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

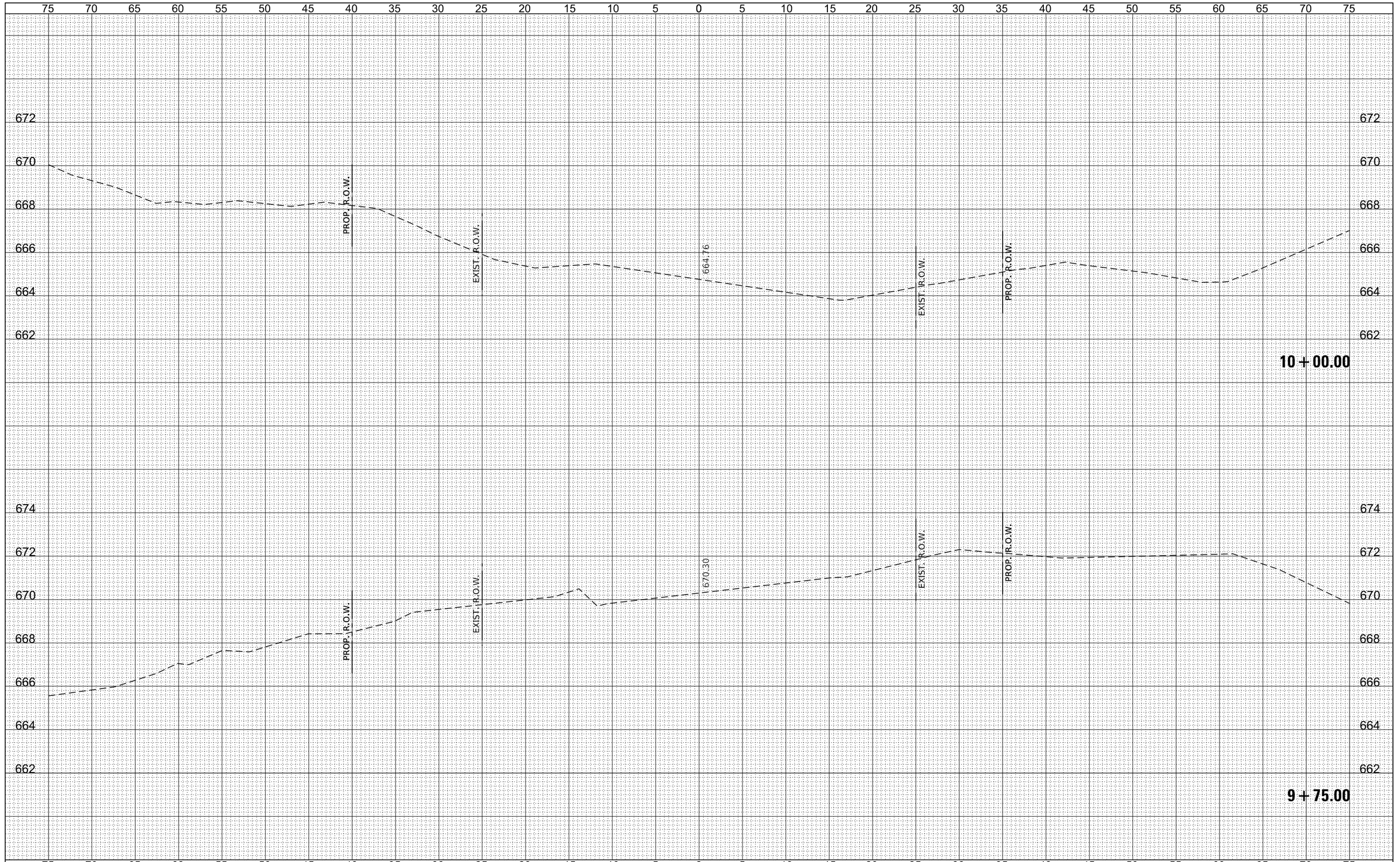
FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tmk	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 7 OF 12 SHEETS | STA. 9+50.00 | TO STA. 9+60.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	24
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tmk	DESIGNED - S.A.A.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

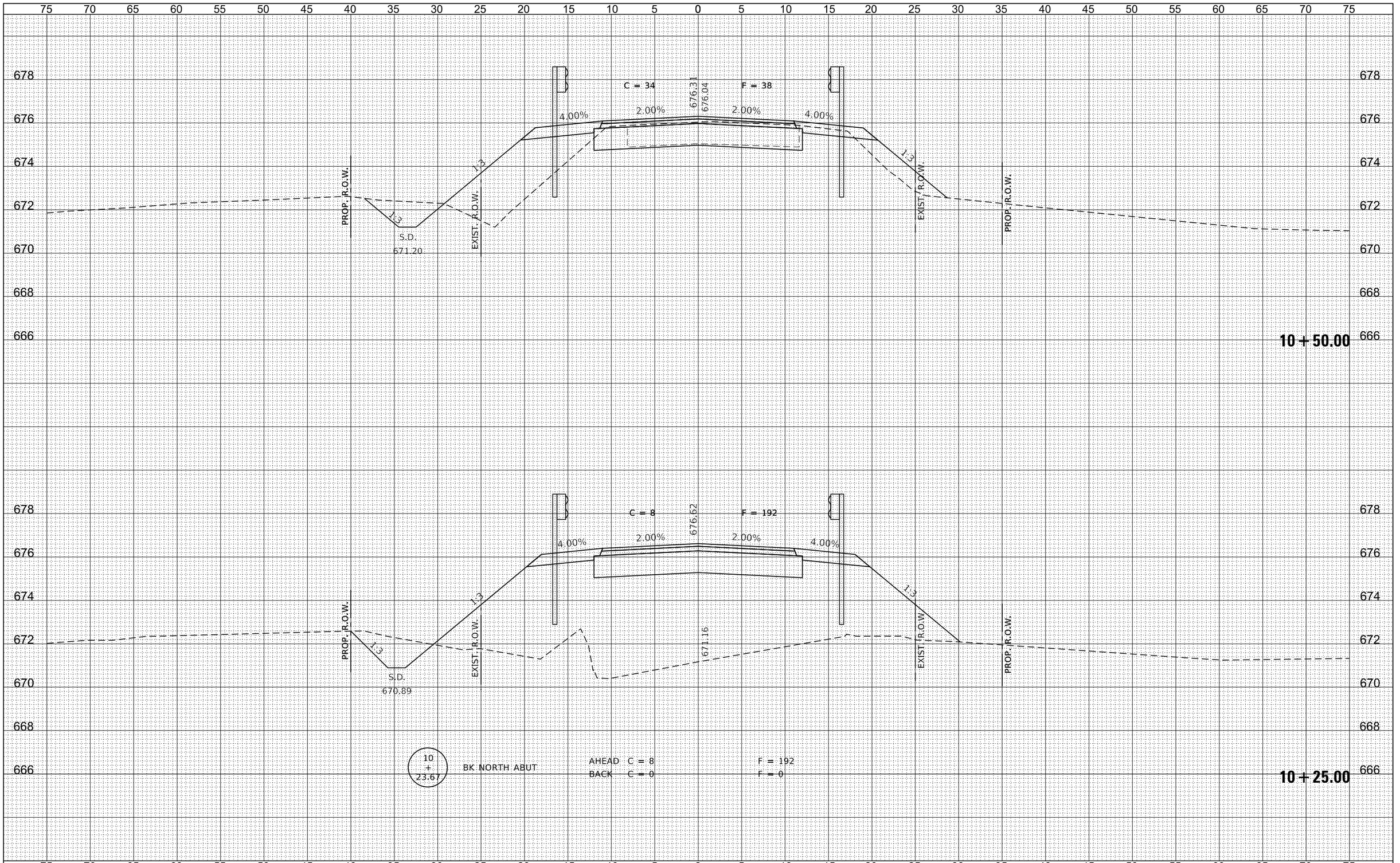
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 8 OF 12 SHEETS | STA. 9+75.00 TO STA. 10+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	25
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

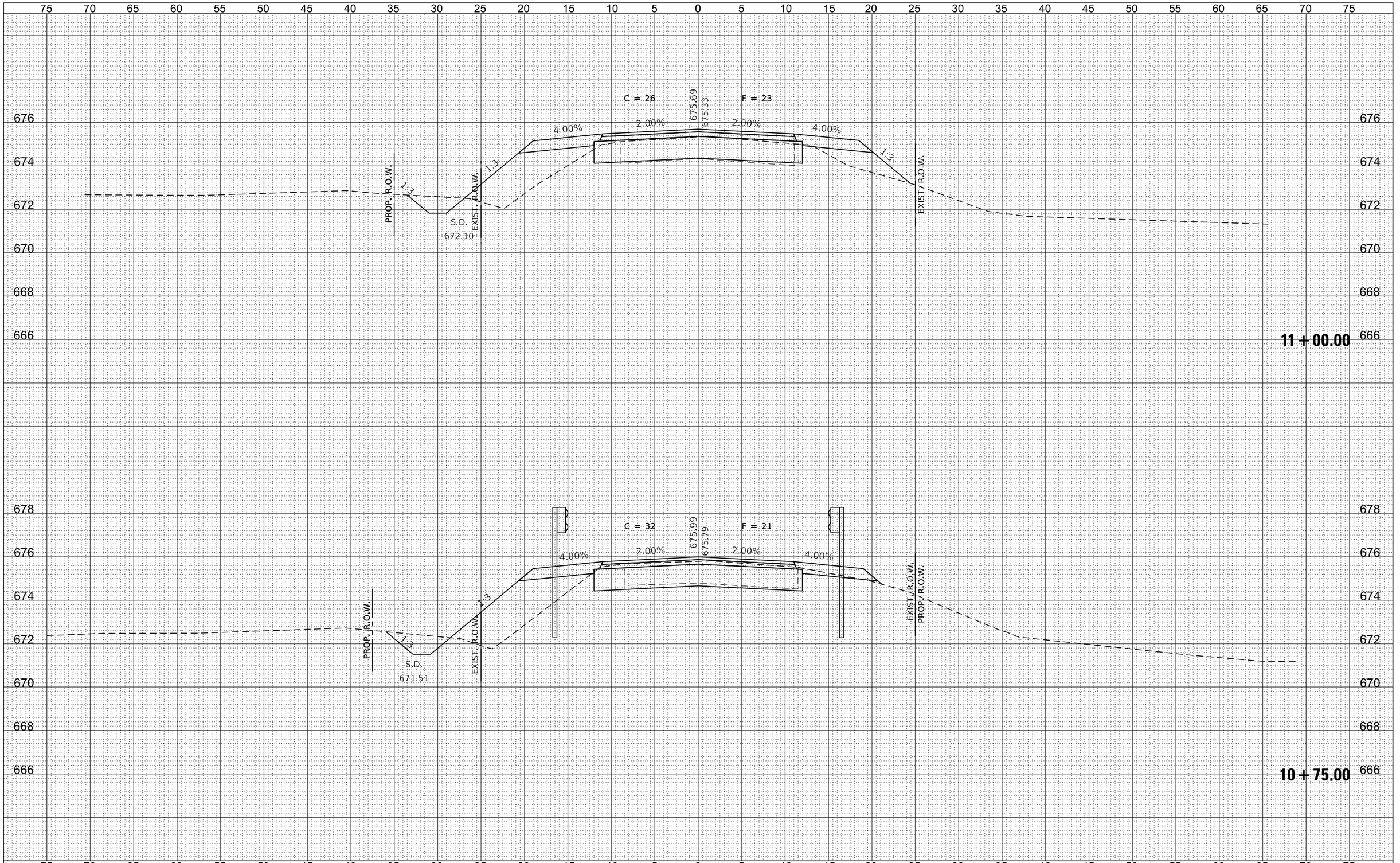
FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tmk	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - T.W.K.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 9 OF 12 SHEETS | STA. 10+25.00 TO STA. 10+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	26
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tmk	DESIGNED - S.A.A.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

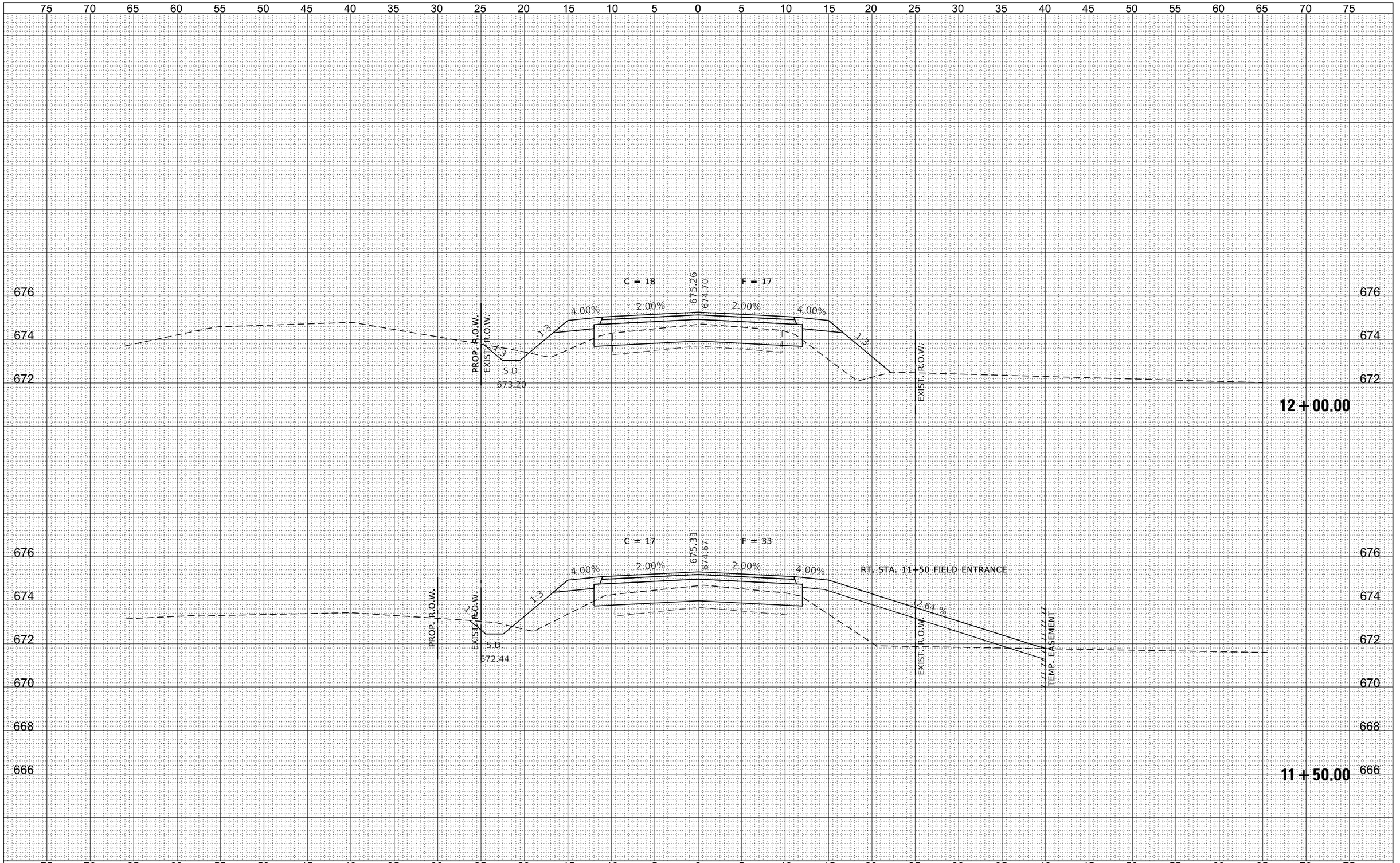
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 10 OF 12 SHEETS | STA. 10+75.00 TO STA. 11+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	27
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tmk	DESIGNED - S.A.A.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

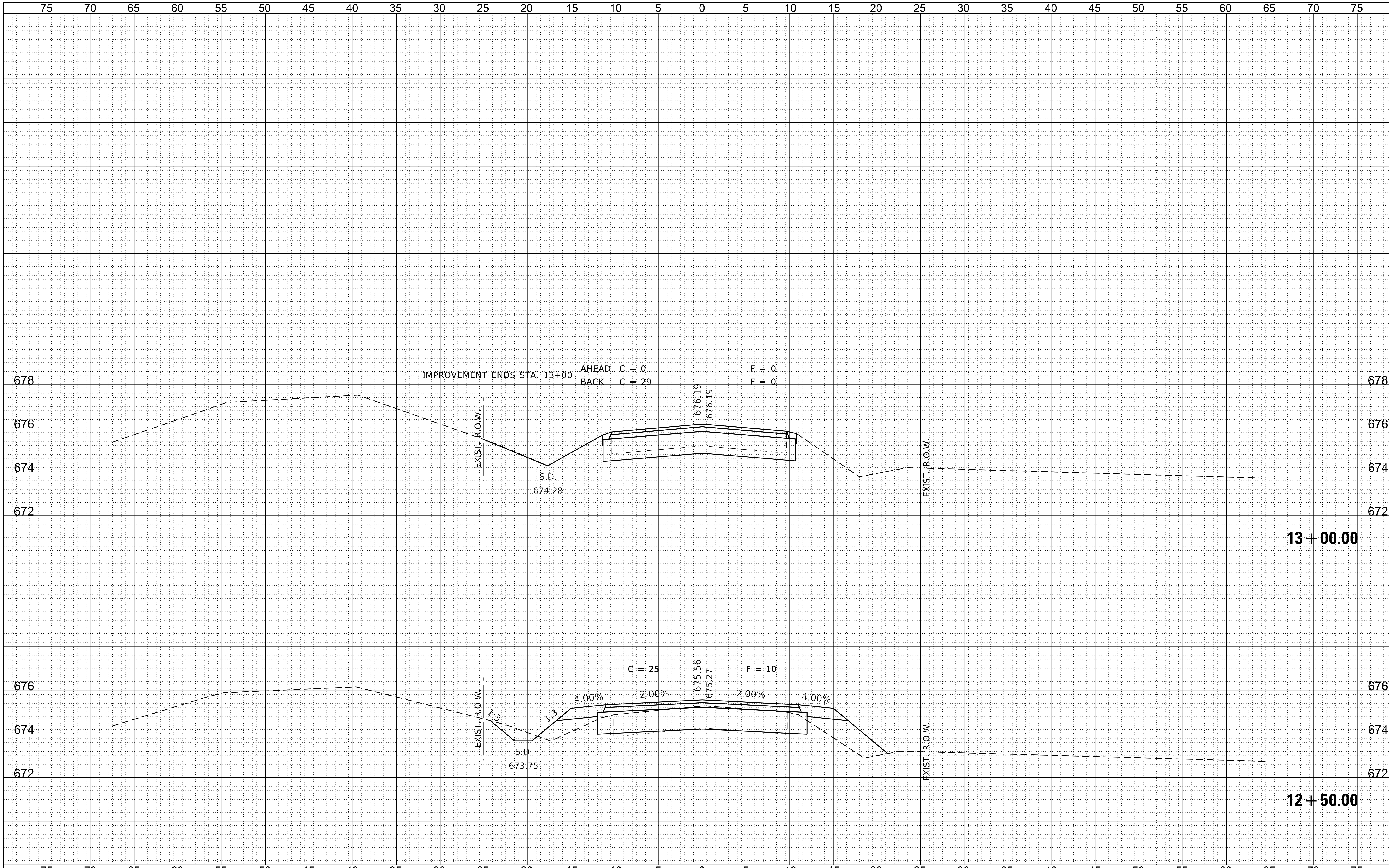
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 11 OF 12 SHEETS | STA. 11+50.00 TO STA. 12+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	28
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME = 210684-sht-xssheets.dgn	USER NAME = tlmk	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 8/14/2023	DATE - 02/13/2023	REVISED -

STATE OF ILLINOIS
TAZEWELL COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 12 OF 12 SHEETS | STA. 12+50.00 TO STA. 13+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
170	19-08124-00-BR	TAZEWELL	29	29
GROVELAND ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		