

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	3
FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 99734		

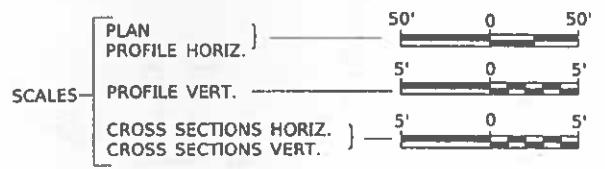
INDEX OF SHEETS

06-14-2024 LETTING ITEM 176

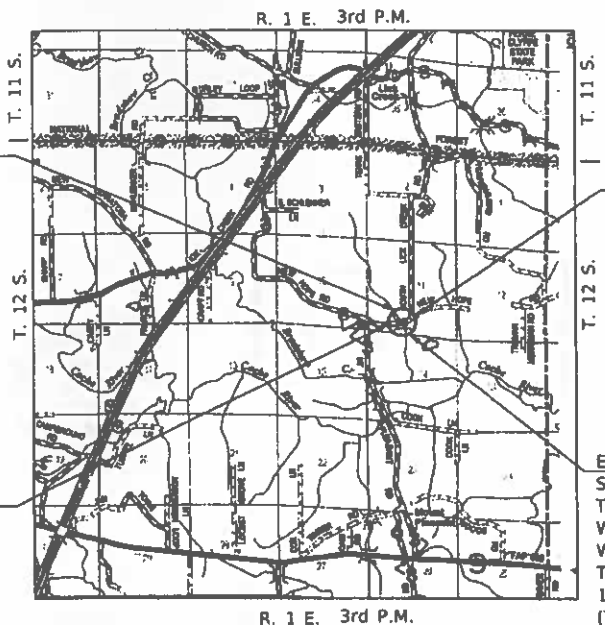
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, TYPICAL SECTIONS, DETAILS, TIE POINTS
3	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4	TRAFFIC CONTROL PLAN
5	EROSION CONTROL PLAN
6	PLAN AND PROFILE
7-13	STRUCTURE PLANS
14-20	CROSS SECTIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM-BRIDGE
UNION COUNTY
COUNTY UNIT RD. DIST. SECTION 20-01212-00-BR
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK
PROJECT NO. SM67(223)
JOB NUMBER C-99-038-21

HIGHWAY STANDARDS (INCLUDED IN PROPOSAL)
000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07 TEMPORARY EROSION CONTROL SYSTEMS
515001-04 NAME PLATE FOR BRIDGES
701901-09 TRAFFIC CONTROL DEVICES
725001-01 OBJECT AND TERMINAL MARKERS
BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



PROPOSED STRUCTURE SN 091-3251
SINGLE SPAN 27" PPC DK BM SUPERSTRUCTURE
ON CONCRETE SPILL-THRU ABUTMENTS,
70'-0" BK TO BK, 24'-0" O TO O DECK,
15° SKEW RT. AHEAD.

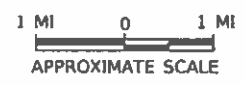


SECTION 20-01212-00-BR
ENDS
STATION 23+00.00

SECTION 20-01212-00-BR
BEGINS
STATION 17+00.00

EXISTING STRUCTURE SN 091-3173
SINGLE SPAN STEEL STRINGER SUPERSTRUCTURE WITH A
TIMBER DECK. THE EAST ABUTMENT IS A CLOSED ABUTMENT
WITH TIMBER PILING AND A TIMBER BACKWALL, AND THE
WEST ABUTMENT IS A SPILL-THRU ABUTMENT ON TIMBER PILING.
THE STRUCTURE IS 24'-0" BK TO BK OF ABUTMENTS,
16'-6" O TO O DECK, AND IS NOT SKEWED.
(TO BE REMOVED)

LOCATION MAP



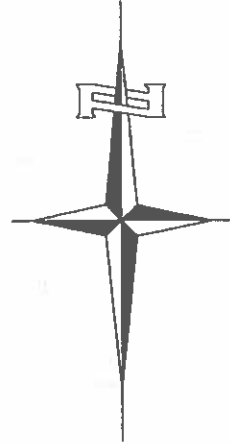
NET LENGTH OF PROJECT = 600.00 FEET = 0.114 MILES
DESIGN CLASSIFICATION: LOCAL ROAD (NON-URBAN)
DESIGN ADT = 125 (2024)
DESIGN SPEED = 30 MPH

UTILITY COMPANIES

- LICK CREEK PUBLIC WATER DISTRICT
BUNCOMBE, ILLINOIS
- SOUTHERN ILLINOIS ELECTRIC COOPERATIVE
DONGOLA, ILLINOIS
- FRONTIER COMMUNICATIONS
BLOOMINGTON, ILLINOIS

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

CONTRACT NO. 99734



DATE: 3/16/24

EXP: 11/30/2025
SIGNATURE
ENGINEERS SEAL

APPROVED MARCH 14 2024
UNION COUNTY ENGINEER

PASSED MARCH 27 2024
DISTRICT NINE ENGINEER OF
LOCAL ROADS & STREETS

Released For
Bid Based on
Limited Review MARCH 27 2024
Matt H. B...
REGION FIVE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hutchison
Engineering, Inc.
2024 IOB#4792

FILE NAME: V:\176 - TR 276 over Tributary to Bradshaw Creek (UnionCounty)CAD Sheets\176_001.dwg

GENERAL NOTES

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE PROPOSED RIGHT OF WAY. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE TREE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

THE REMOVAL OF EXISTING OIL AND CHIP SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

ALL EXISTING DRAINAGE STRUCTURES NOT BEING REMOVED BY THE CONTRACTOR THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

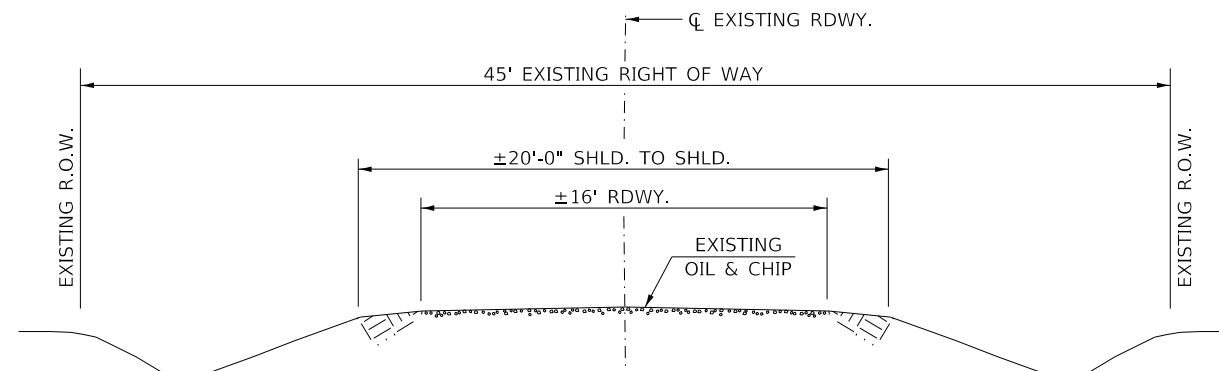
THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

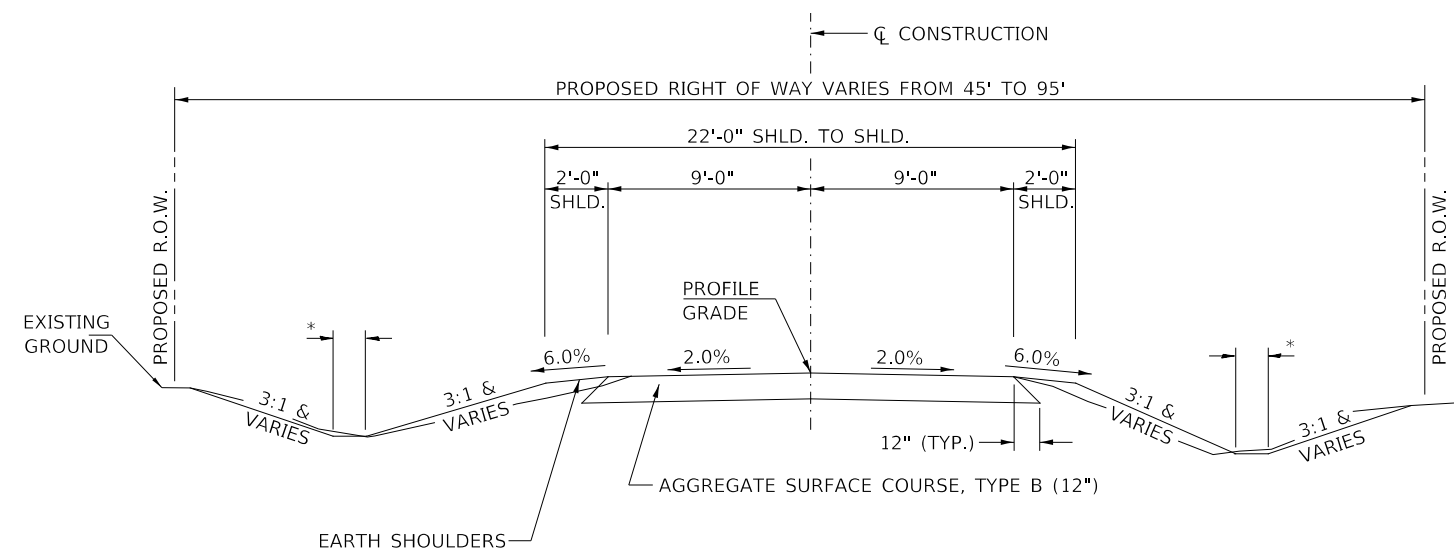
WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FINAL SURFACE OF ALL DISTURBED/EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE COHESIVE VEGETATION SUSTAINING SOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING VEGETATION SUSTAINING SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. TOPSOIL MAY BE STRIPPED AND STOCKPILED FROM THE SITE OR HAULED IN FROM AN ALTERNATE LOCATION AS APPROVED BY THE ENGINEER.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.



EXISTING TYPICAL SECTION



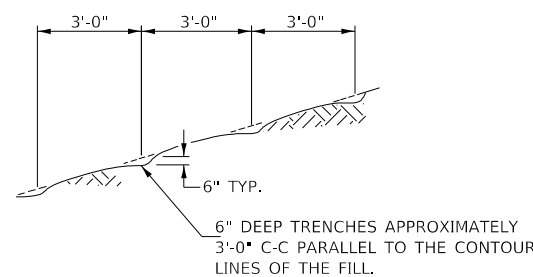
PROPOSED TYPICAL SECTION

* 2' (STA. 17+00.00 TO STA. 19+62.50)
4' (STA. 20+32.50 TO STA. 23+00.00)

STA. 17+00.00 TO STA. 19+62.50
STA. 20+32.50 TO STA. 23+00.00

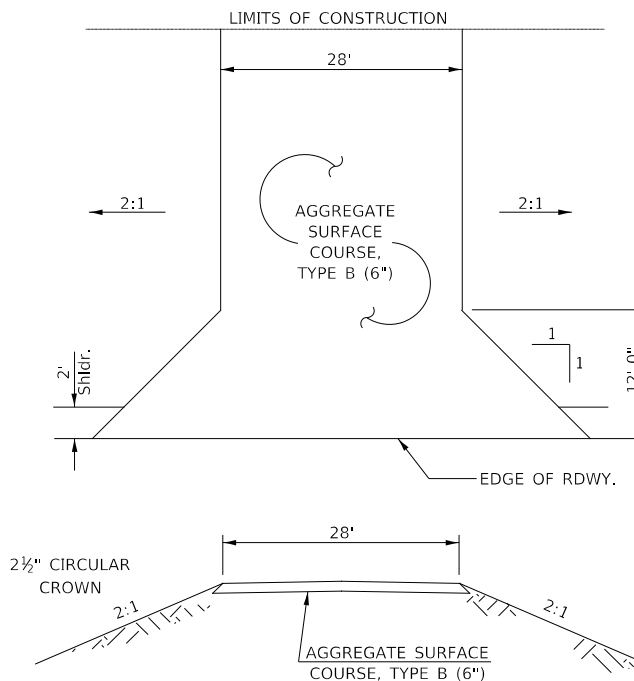
EXCEPT TRANSITIONS

BRIDGE OMISSION
STA. 19+62.50 TO STA. 20+32.50



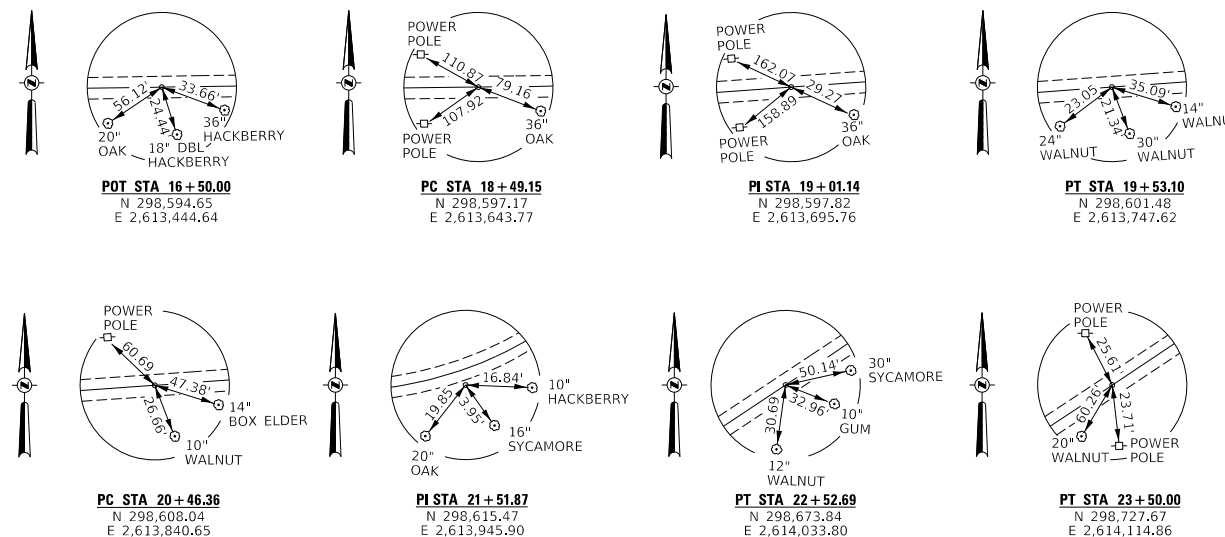
NOTE: ALL SLOPES 3:1 OR STEEPER AND GREATER THAN 5' IN HEIGHT SHALL BE CONTOUR PLOWED AS SHOWN IN DETAIL, COST SHALL BE INCLUDED WITH SEEDING, CLASS 2 (SPECIAL).

DETAIL OF CONTOUR PLOWING



FIELD ENTRANCE

STA 17+85 RT



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USER NAME = MOgden	DESIGNED - LBK	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - LBK	REVISED -
PLOT DATE = 3/7/2024	CHECKED - MMO/YP	REVISED -
	DATE - 10/02/2023	REVISED -

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

GENERAL NOTES, TYPICAL SECTIONS, DETAILS, TIE POINTS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. 17+00.00 TO STA. 23+00.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	2
CONTRACT NO. 99734				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID. PROJECT NO. 5M67(223)	

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.2
20200100	EARTH EXCAVATION	CU YD	1,245
20300100	CHANNEL EXCAVATION	CU YD	730
25100630	EROSION CONTROL BLANKET	SQ YD	40
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	700
28000305	TEMPORARY DITCH CHECKS	FOOT	156
28000400	PERIMETER EROSION BARRIER	FOOT	90
28000500	INLET AND PIPE PROTECTION	EACH	1
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	755
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	37
50200100	STRUCTURE EXCAVATION	CU YD	50
50300225	CONCRETE STRUCTURES	CU YD	22.0
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,634
50800105	REINFORCEMENT BARS	POUND	2,500
* 50900205	STEEL RAILING, TYPE S1	FOOT	140
51201400	FURNISHING STEEL PILES HP10X42	FOOT	120
51202305	DRIVING PILES	FOOT	120
51203400	TEST PILE STEEL HP10X42	EACH	2
51204650	PILE SHOES	EACH	8
51500100	NAME PLATES	EACH	1
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	52
67100100	MOBILIZATION	L SUM	1
72400310	REMOVE SIGN PANEL-TYPE 1	SQ FT	24
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7
X2810210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	425
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

* SPECIALTY ITEMS

EARTHWORK SUMMARY					
STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
RDWY 17+00.00 - 19+62.50	446			279	56
RDWY 20+32.50 - 23+00.00	797			482	116
CHANNEL		730			
STRUCTURE			50		
TOTAL	1,243	730	50	761	172
USE	1,245	730	50	-	170

(@ 25% SHRINKAGE)

AGGREGATE SURFACE COURSE, TYPE B					
STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON	
17+00.00 - 17+50.00	1.00'	17.75' AVG.	50.00'	62	
17+50.00 - 19+62.50	1.00'	19.00'	212.50'	283	
ABUTMENT BACKFILL - SEE SPECIAL PROVISIONS					
20+32.50 - 22+50.00	1.00'	19.00'	217.50'	289	
22+50.00 - 23+00.00	1.00'	18.42' AVG.	50.00'	65	
ENTR. 17+85.00 RT	0.50'	28' & VARIES	23.00'	28	
TOTAL				755	

PERIMETER EROSION BARRIER			
STATION TO STATION	SIDE	FOOT	
17+60 - 18+12	RIGHT	55	
19+40 - 19+58	LEFT	35	
TOTAL		90	

EROSION CONTROL BLANKET					
STATION TO STATION	SIDE	WIDTH	LENGTH	SQ YD	
17+00 - 17+60	RIGHT	6'	60'	40	
TOTAL				40	

INLET AND PIPE PROTECTION		
STATION	SIDE	EACH
17+60	RIGHT	1
TOTAL		1

PIPE CULVERTS, CLASS D, TYPE 1 18"		
STATION	SIDE	FOOT
17+86	RIGHT	52
TOTAL		52

PIPE CULVERT REMOVAL			
STATION	SIZE	SIDE	FOOT
17+85	18"	RIGHT	37
TOTAL			37

TREE REMOVAL, ACRES				
STATION TO STATION	OFFSET	SIDE	ACRE	
19+00 - 23+00		VARIES	RT	0.2
TOTAL				0.2

TEMPORARY DITCH CHECKS		
STATION	SIDE	FOOT
17+38	RIGHT	12
17+60	LEFT	12
18+20	LEFT	12
18+65	RIGHT	12
18+80	LEFT	12
19+40	LEFT	12
19+80	RIGHT	12
20+10	LEFT	12
20+25	RIGHT	12
20+70	RIGHT	12
21+15	RIGHT	12
21+55	LEFT	12
21+85	RIGHT	12
TOTAL		156

REMOVE SIGN PANEL-TYPE 1				
STATION	SIDE	DESCRIPTION	DIMENSIONS	SQ FT
19+10	RT	R12-5	24X36	6
19+82	LT	OM3-L	12X36	3
19+86	RT	OM3-R	12X36	3
20+19	RT	OM3-L	12X36	3
20+20	LT	OM3-R	12X36	3
21+21	LT	R12-5	24X36	6
TOTAL				24

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	DRAWN - LBK	REVISED - _____
PLOT SCALE = 100,0000' / in.	CHECKED - MMO/YP	REVISED - _____
PLOT DATE = 3/7/2024	DATE - 10/02/2023	REVISED - _____

UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK

SUMMARY OF QUANTITIES,
SCHEDULES OF QUANTITIES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. 17+00.00 TO STA. 23+00.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	3
CONTRACT NO. 99734				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. SM67(223)	



1 ROAD CLOSED
1/2 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3

ROAD CLOSED
1/2 MILE AHEAD
LOCAL TRAFFIC ONLY

2 ROAD CLOSED
1 1/2 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3

ROAD CLOSED
1 1/2 MILE AHEAD
LOCAL TRAFFIC ONLY

3 ROAD CLOSED
2 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3

ROAD CLOSED
2 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY

4 ROAD CLOSED
AHEAD
W20-3

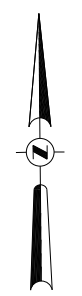
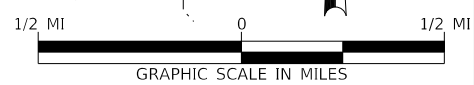
ROAD CLOSED
AHEAD

5 ROAD CLOSED
500 FT
W20-3

ROAD CLOSED
500 FT

6 TYPE III BARRICADES

SEE STANDARD BLR 21
AND SPECIAL PROVISIONS



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PLOT DATE = 3/6/2024	DATE - 10/02/2023	REVISED - _____

UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK

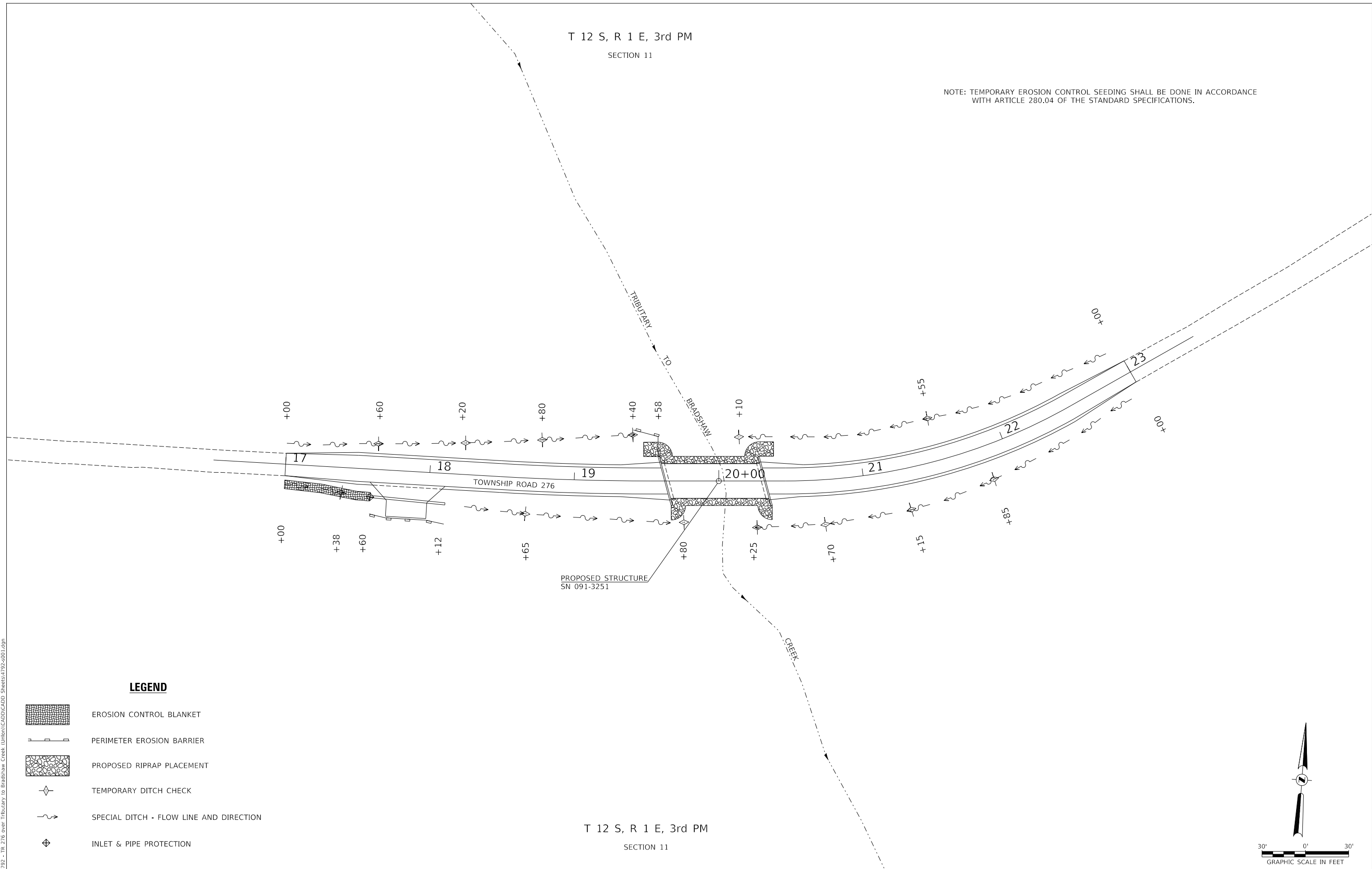
TRAFFIC CONTROL PLAN

SCALE: NONE SHEET 1 OF 1 SHEETS STA. 17+00.00 TO STA. 23+00.00







RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	4
		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID. PROJECT NO. 5M67(223)		

T 12 S, R 1 E, 3rd PM
SECTION 11

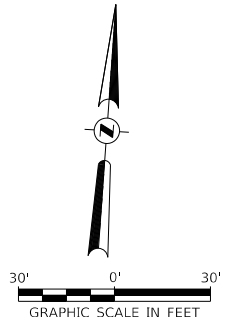
NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



LEGEND

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  PROPOSED RIPRAP PLACEMENT
-  TEMPORARY DITCH CHECK
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  INLET & PIPE PROTECTION

T 12 S, R 1 E, 3rd PM
SECTION 11



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USER NAME = MOgden	DESIGNED - LBK	REVISED - _____
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**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

EROSION CONTROL PLAN

SCALE: 1"=30' SHEET 1 OF 1 SHEETS STA. 17+00.00 TO STA. 23+00.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	5
CONTRACT NO. 99734				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO. SM67(223)				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

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

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① PROPOSED PIPE CULVERT
 CLASS D, TYPE 1, 18" x 52"
 USFL = 394.19, STA 17+59.62, 19.0' RT
 DSFL = 393.41, STA 18+11.58, 21.0' RT

② EXISTING SIGN
 TO BE REMOVED

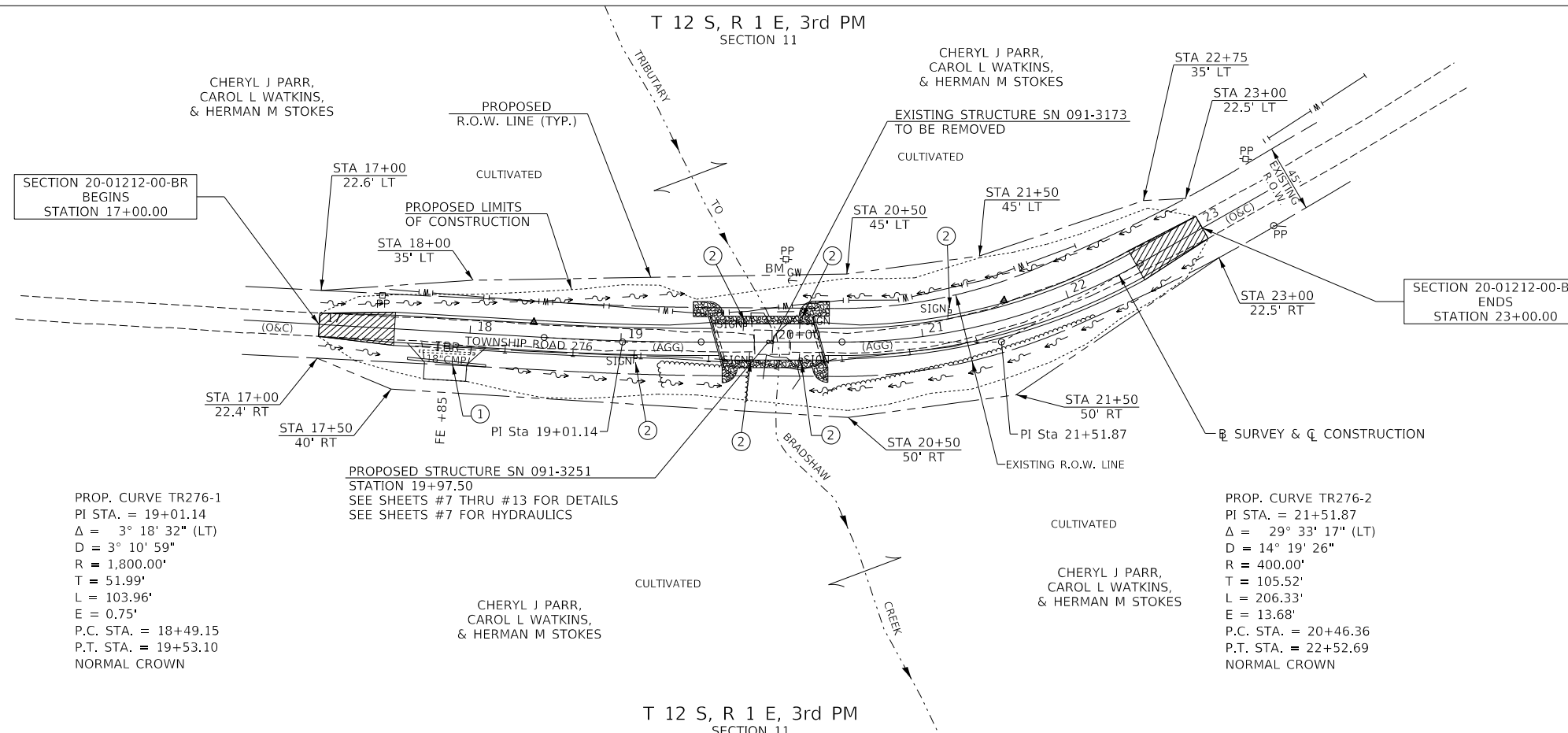
LEGEND

- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND WATER LINE
- TRANSITION TO OR FROM EXISTING TO PROPOSED TYPICAL PAVEMENT
- PROPOSED RIPRAP PLACEMENT
- SPECIAL DITCH WITH FLOW DIRECTION

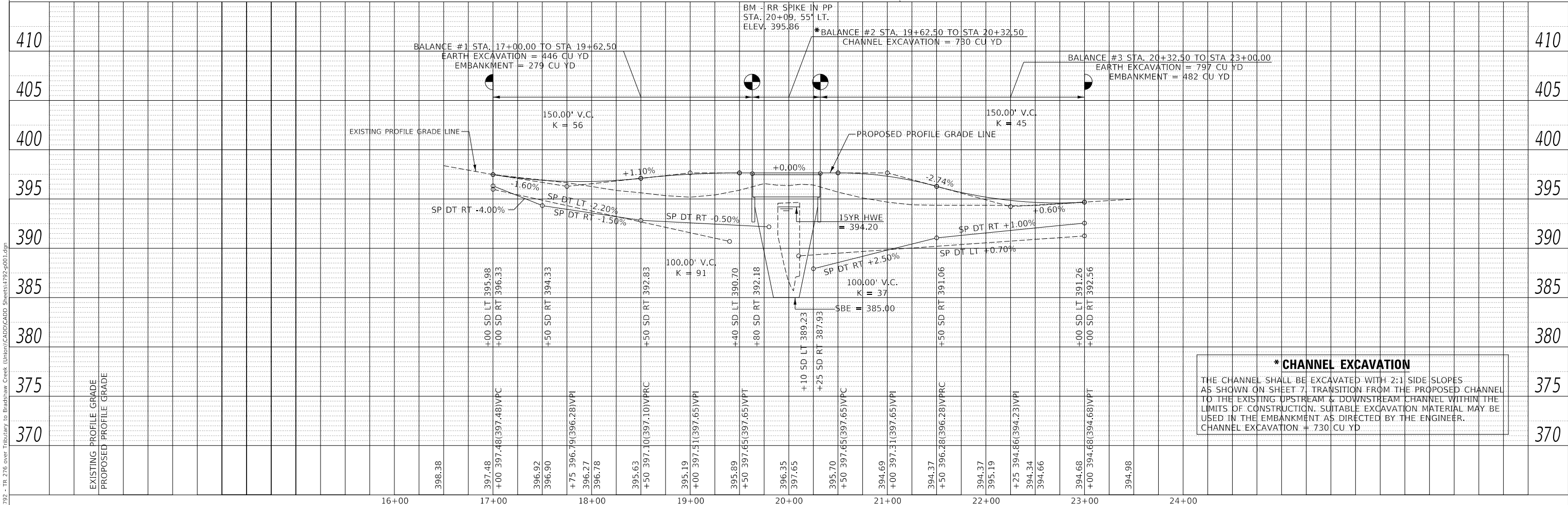
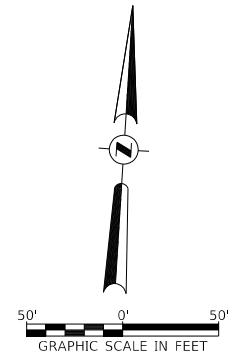
PROP. CURVE TR276-1
 PI STA. = 19+01.14
 $\Delta = 3^\circ 18' 32''$ (LT)
 $D = 3^\circ 10' 59''$
 $R = 1,800.00'$
 $T = 51.99'$
 $L = 103.96'$
 $E = 0.75'$
 P.C. STA. = 18+49.15
 P.T. STA. = 19+53.10
 NORMAL CROWN

PROPOSED STRUCTURE SN 091-3251
 STATION 19+97.50
 SEE SHEETS #7 THRU #13 FOR DETAILS
 SEE SHEETS #7 FOR HYDRAULICS

PROP. CURVE TR276-2
 PI STA. = 21+51.87
 $\Delta = 29^\circ 33' 17''$ (LT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 105.52'$
 $L = 206.33'$
 $E = 13.68'$
 P.C. STA. = 20+46.36
 P.T. STA. = 22+52.69
 NORMAL CROWN



T 12 S, R 1 E, 3rd PM SECTION 11



*** CHANNEL EXCAVATION**
 THE CHANNEL SHALL BE EXCAVATED WITH 2:1 SIDE SLOPES AS SHOWN ON SHEET 7. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL MAY BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.
 CHANNEL EXCAVATION = 730 CU YD

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UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK

SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 17+00.00 TO STA. 23+00.00
---------------	---------------------	--------------------------------

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	6
CONTRACT NO. 99734				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO. SM67(223)				

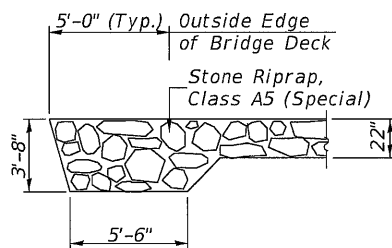
BM - PR Spike in Power Pole
Sta. 20+09, 55' Lt.
Elev. 395.86

Existing Structure:

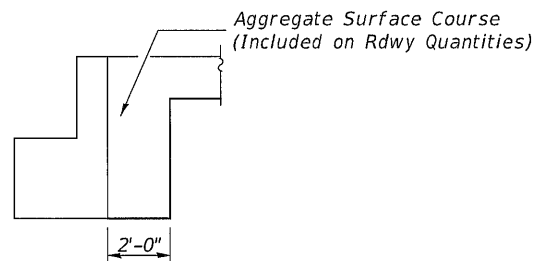
Single span steel stringer superstructure with a timber deck.
The east abutment is a closed abutment with timber piling and a timber backwall, and the west abutment is a spill-thru abutment on timber piling. The structure is 24'-0" back to back of abutments, 16'-6" out to out deck, and is not skewed.
The structure is a single lane bridge.
The structure was constructed in 1987.
Str. No. 091-3173

Salvage: None

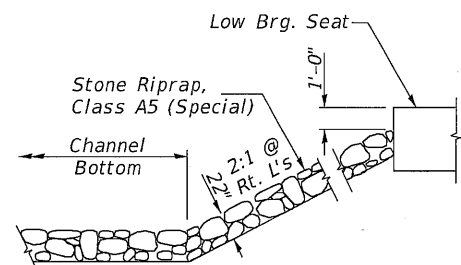
Road to be closed to traffic during construction.



SECTION A-A



SECTION B-B
See Special Provisions for gradation requirements.



STONE RIPRAP DETAIL

DESIGN SCOUR TABLE

Location	W. Abut.	E. Abut.
Design Scour Elevation	392.66	392.66

WATERWAY INFORMATION

Drainage Area = 2.82 Sq. Mi.		Low Grade Elev. = 394.60 @ Sta. 22+73.02							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	15	1,483	139	399	394.20	1.92	0.66	396.12	394.86
Base	100	2,290	147	422	394.58	1.71	1.17	396.29	395.75

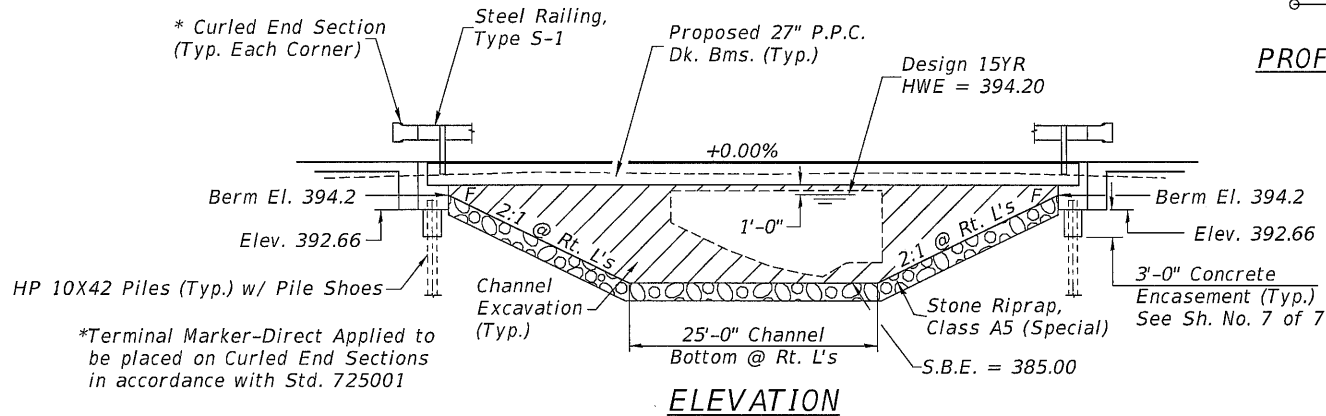
OVER-THE-ROAD AREA

Freq. Yr.	Exist.	Prop.
15	0	0
100	32	0

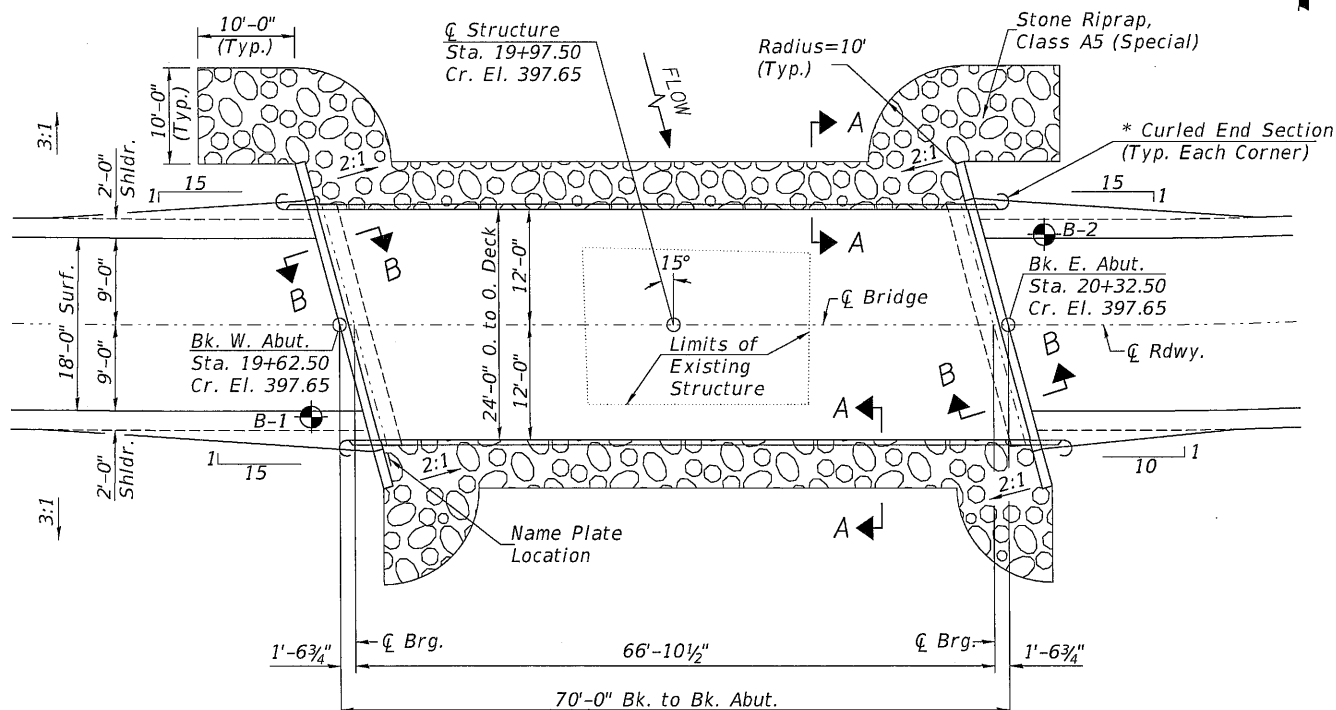
TRIBUTARY TO BRADSHAW CREEK
BUILT 202 BY
COUNTY UNIT ROAD DISTRICT
UNION COUNTY
SEC. 20-01212-00-BR
T.R. 276 STATION 19+97.50
F.A. PROJ. NO. SM67(223)
STR. NO. 091-3251 LOADING HL-93

NAME PLATE

Locate Name Plate at S.W. Wingwall
Corner of Bridge (See Std. 515001)



ELEVATION



PLAN

DESIGN SPECIFICATIONS

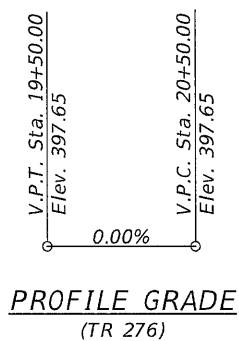
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

(FIELD UNITS) (PRECAST PRESTRESSED UNITS)
f'c = 3,500 p.s.i. f'c = 6,000 p.s.i.
fy = 60,000 p.s.i. (Rein.) f'ci = 5,000 p.s.i.
f's = 270,000 p.s.i. (1/2" Strands)
f'si = 201,960 p.s.i. (1/2" Strands)

LOADING HL-93

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



PROFILE GRADE
(TR 276)

GENERAL NOTES

For Soil Boring Logs, See Special Provisions.
A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Articles 1020.05(b)(10) and 1021.07 of the Standard Specifications.
Reinforcement Bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.
Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
The existing structural steel coating may contain lead. The contractor shall take appropriate precautions to deal with the presence of lead on this project.

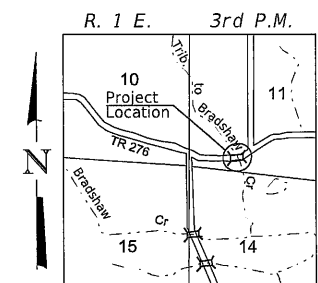
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD		730	730
Removal of Existing Structures	EACH			1
Structure Excavation	CU YD		50	50
Concrete Structures	CU YD		22.0	22.0
Concrete Encasement	CU YD		2.8	2.8
Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	1,634		1,634
Reinforcement Bars	POUND		2,500	2,500
Steel Railing, Type S1	FOOT	140		140
Furnishing Steel Piles HP10x42	FOOT		120	120
Driving Piles	FOOT		120	120
Test Pile Steel HP10x42	EACH		2	2
Pile Shoes	EACH		8	8
Name Plates	EACH		1	1
Terminal Marker - Direct Applied	EACH	4		4
Stone Riprap, Class A5 (Special)	TON		425	425

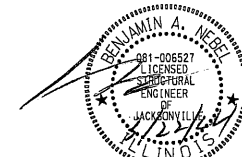
① See Special Provisions

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 Specification for Highway Bridges.
This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Illinois Structural No. 6527
Expires 11/30/2024



LOCATION SKETCH



11/3/24

MODEL: \$MODELNAME\$ FILE NAME: V:\1792 - TR 276 over Tributary to Bradshaw Creek (Union)\CADD\CADD Sheets\1792-001.dgn

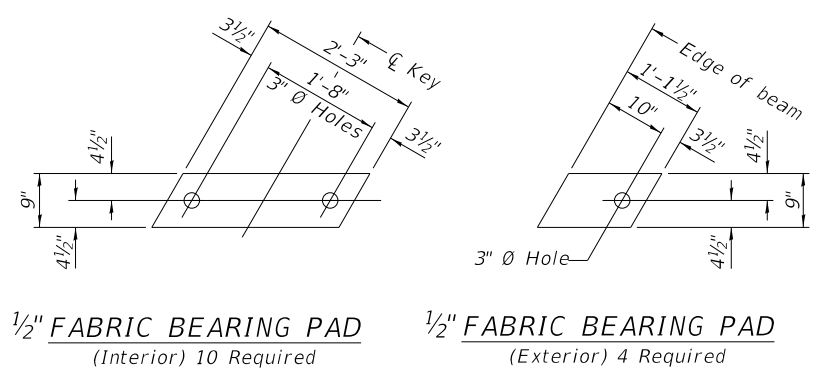
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PLOT SCALE = 100.0000 / 1 in.	DRAWN - LBK	REVISED -
PLOT DATE = 3/6/2024	CHECKED - MMO/YP/BAN	REVISED -
	DATE - 9/26/2023	REVISED -

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

GENERAL PLAN & ELEVATION

SCALE: NONE SHEET 1 OF 7 SHEETS

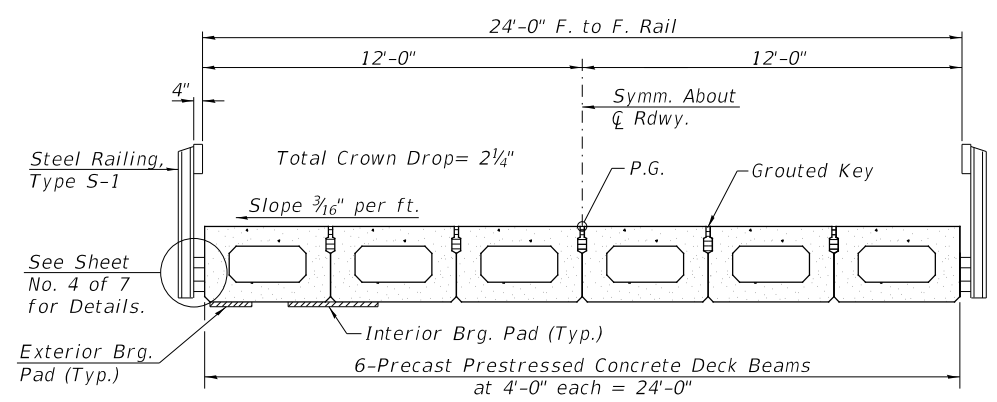
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	7
SN 091-3251		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SM67(223)		



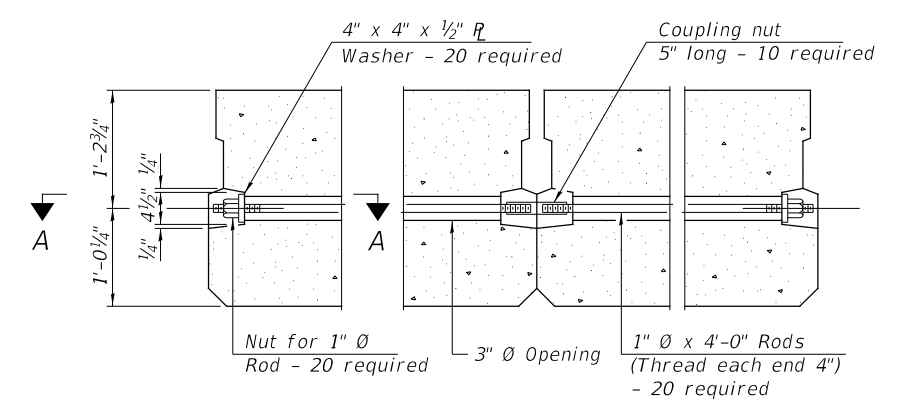
1/2" FABRIC BEARING PAD
(Interior) 10 Required

1/2" FABRIC BEARING PAD
(Exterior) 4 Required

FIXED



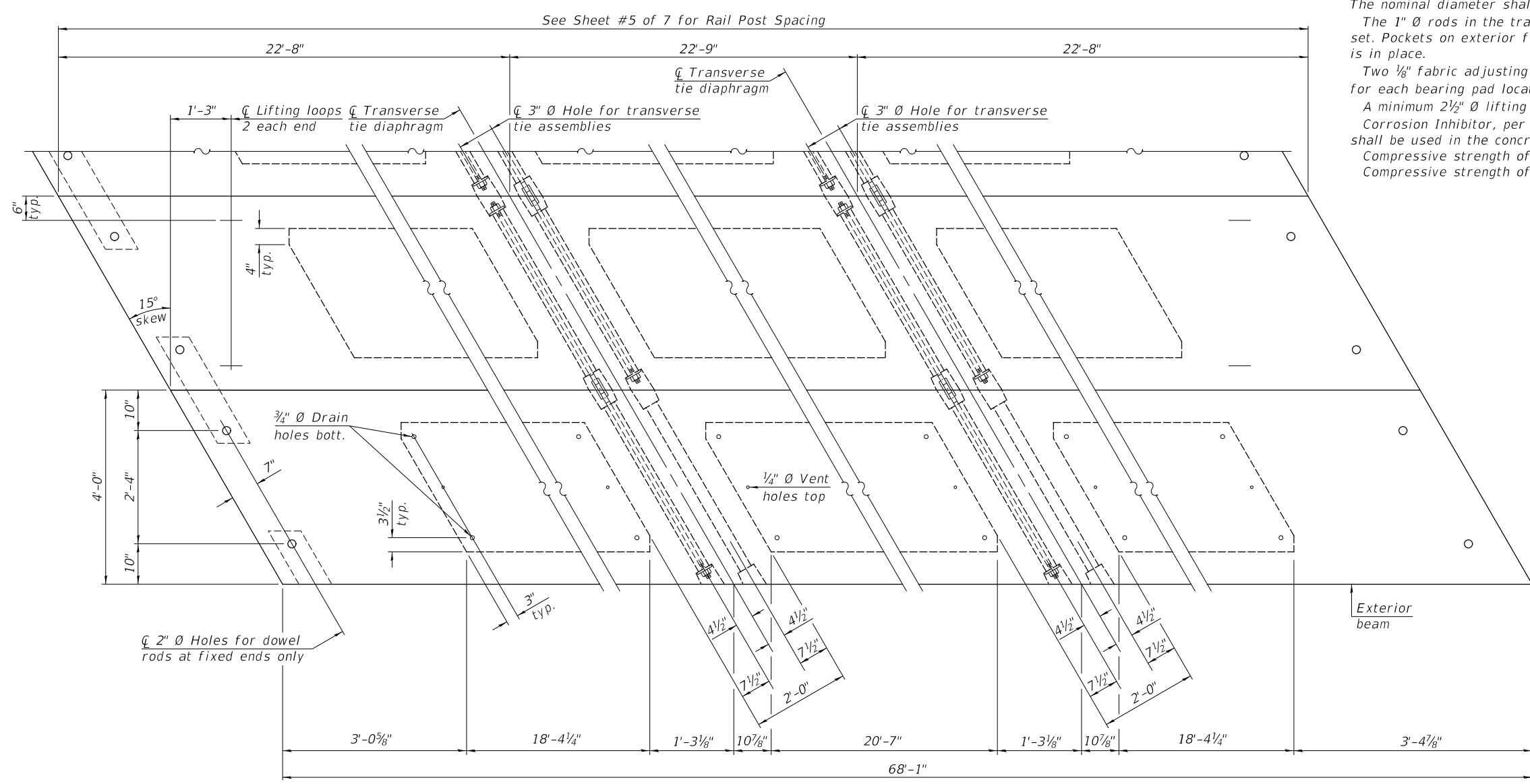
PROPOSED CROSS SECTION



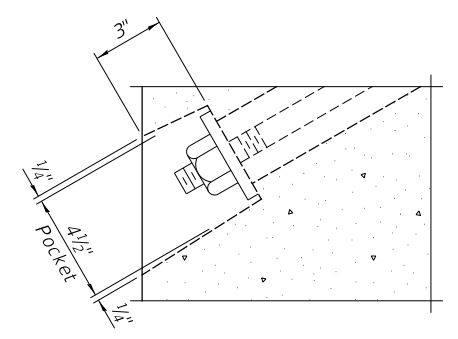
TYPICAL TRANSVERSE TIE ASSEMBLY

NOTES

- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
- The 1" 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 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
- A minimum 2 1/2" diameter 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.



PLAN VIEW



SECTION A-A

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	1,634

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

MODEL: 1408161.MXD
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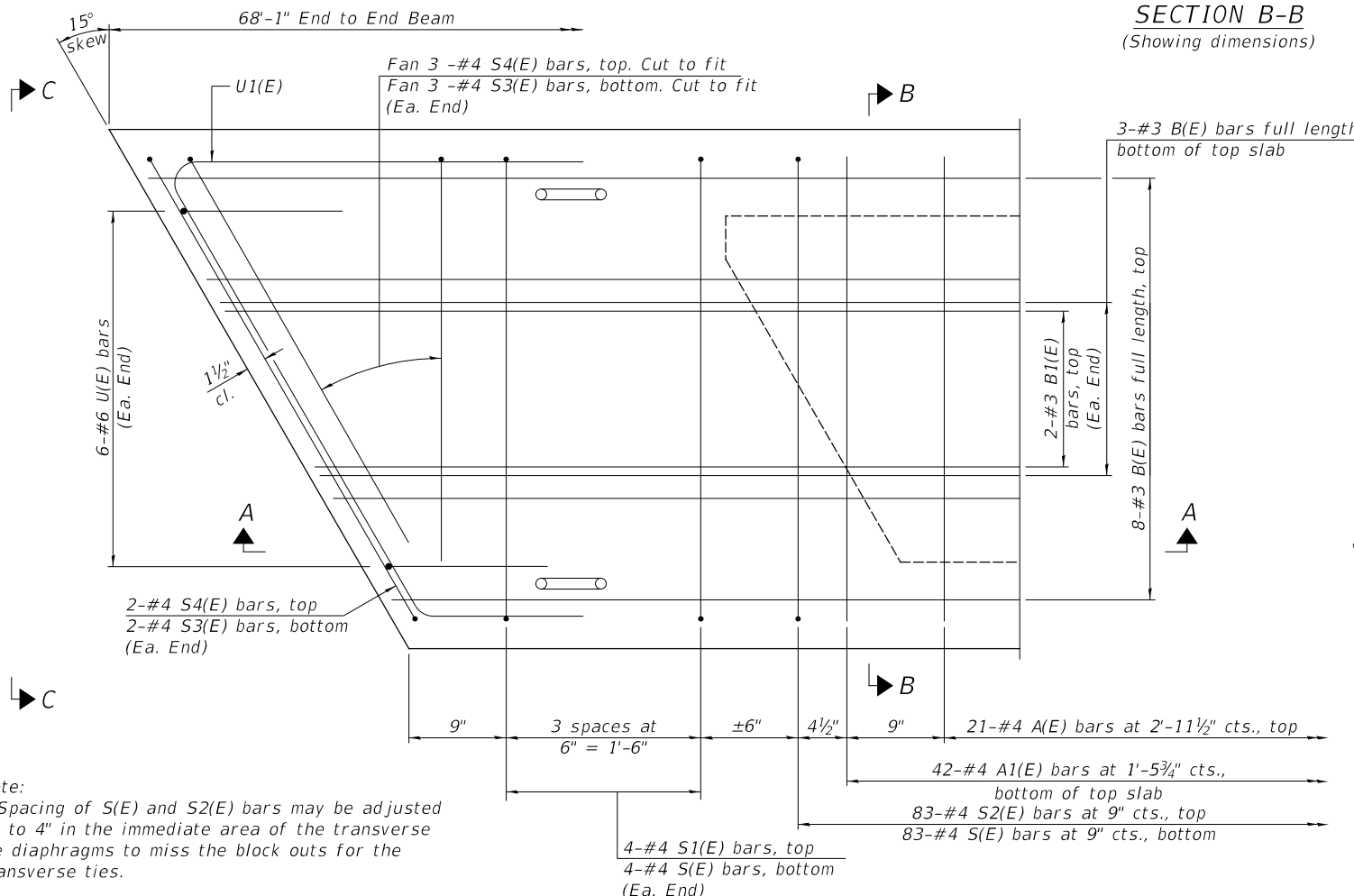
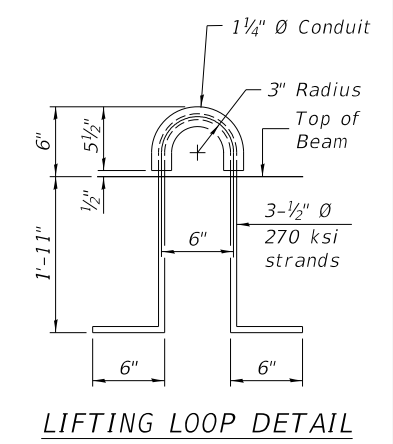
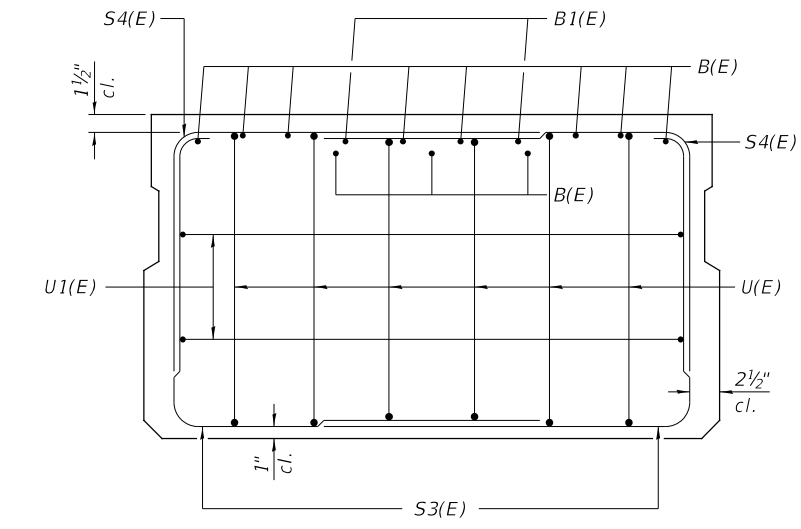
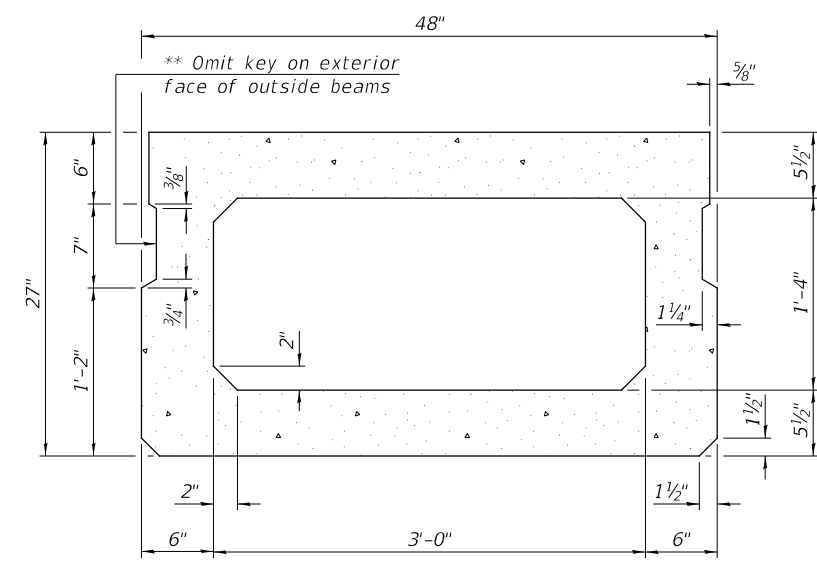
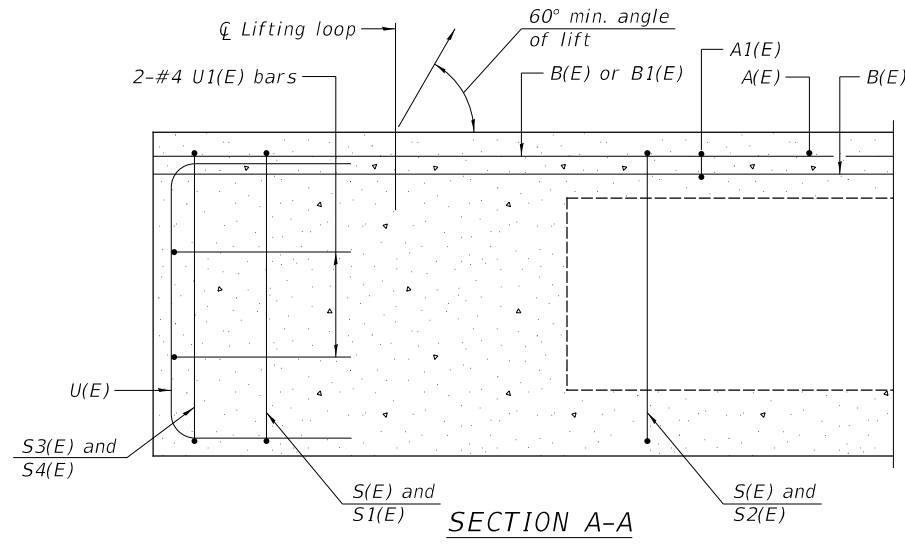
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PLOT SCALE = 100.0000' / in.	DRAWN - LBK	REVISED -
PLOT DATE = 3/6/2024	CHECKED - MMO/YP/BAN	REVISED -
	DATE - 9/28/2023	REVISED -

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

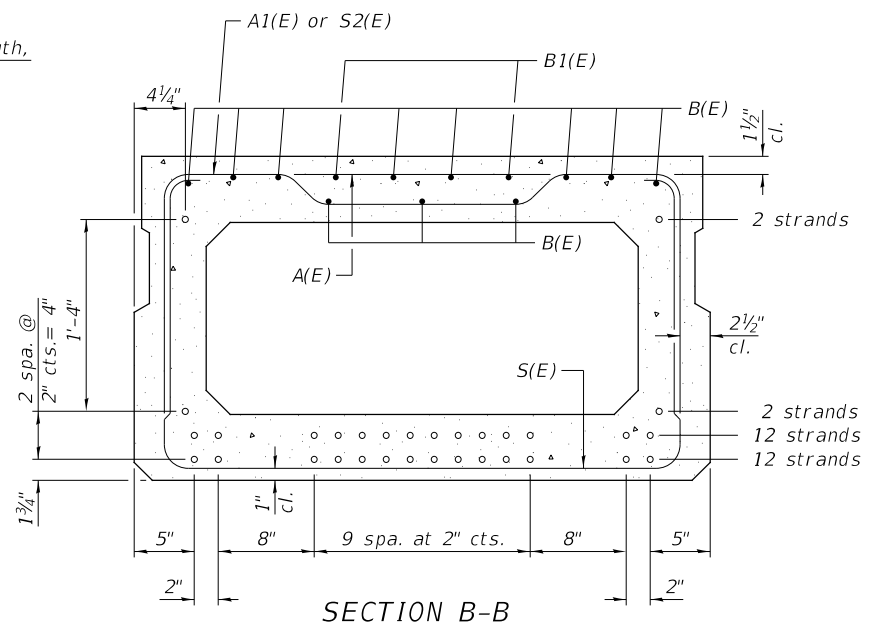
SUPERSTRUCTURE

SCALE: NONE SHEET 2 OF 7 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	8
SN 091-3251		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SM67(223)		



** Rail post anchor devices (Sheet 4 of 7) to be cast into exterior face of outside beams.



BAR LIST
ONE BEAM ONLY
(For information only)

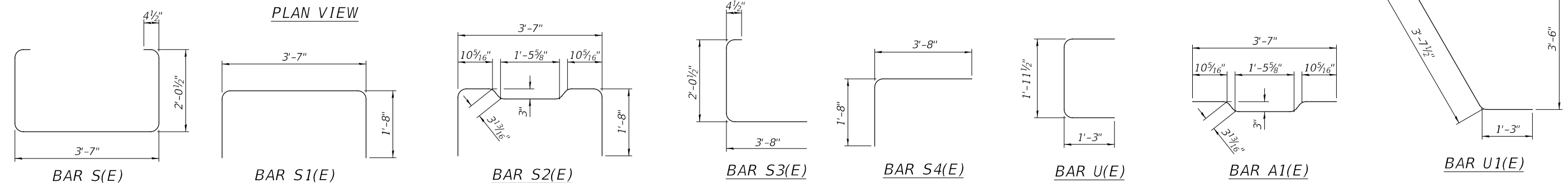
BAR	NO.	SIZE	LENGTH	SHAPE
A(E)	21	#4	3'-7"	—
A1(E)	42	#4	3'-10"	—
B(E)	11	#3	*6'-10"	—
B1(E)	4	#3	10'-0"	—
S(E)	91	#4	8'-5"	┌
S1(E)	8	#4	6'-11"	┌
S2(E)	83	#4	7'-2"	┌
S3(E)	10	#4	6'-1"	┌
S4(E)	10	#4	5'-4"	┌
U(E)	12	#5	4'-6"	┌
U1(E)	4	#4	7'-1"	┌

Note:
See sheet 2 of 7 for additional details and Bill of Material.

*Total length, lap as necessary.

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

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.



MODEL: 1409BELMAME FILE NAME: V01722 - TR 276 over Tributary to Bradshaw Creek (Union)CADD\CADD Sheets\1722-001.dgn

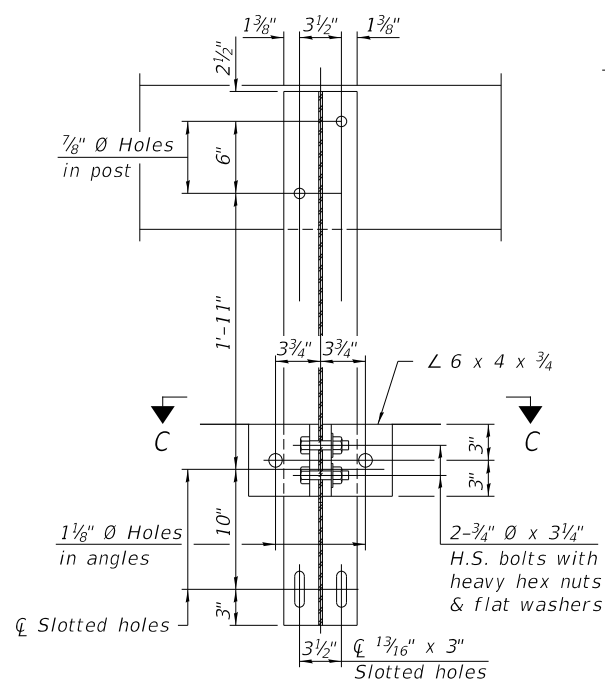
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DRAWN - LBK	REVISED -	
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PLOT DATE = 3/6/2024	DATE - 9/28/2023	REVISED -

UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK

SUPERSTRUCTURE DETAILS
SCALE: NONE SHEET 3 OF 7 SHEETS

RT. 276	SECTION 20-01212-00-BR	COUNTY UNION	TOTAL SHEETS 20	SHEET NO. 9
SN 091-3251		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SM67(223)		

SEE SHEET 5 OF 7 FOR RAIL POST SPACING



NOTES

A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (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 - 3/8" 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.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

* 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 1/2" to accommodate the top reinforcement bar placement.

MODEL: 140901.MX.MX FILE: 192 - TR 276 over Tributary to Bradshaw Creek (Union)CADD\CADD Sheets\192-001.dgn

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Steel Railing, Type S-1	FOOT	140
Terminal Marker - Direct Applied	EACH	4

***Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering at the lower inserts. Maximum adjustment not to exceed 1/2".

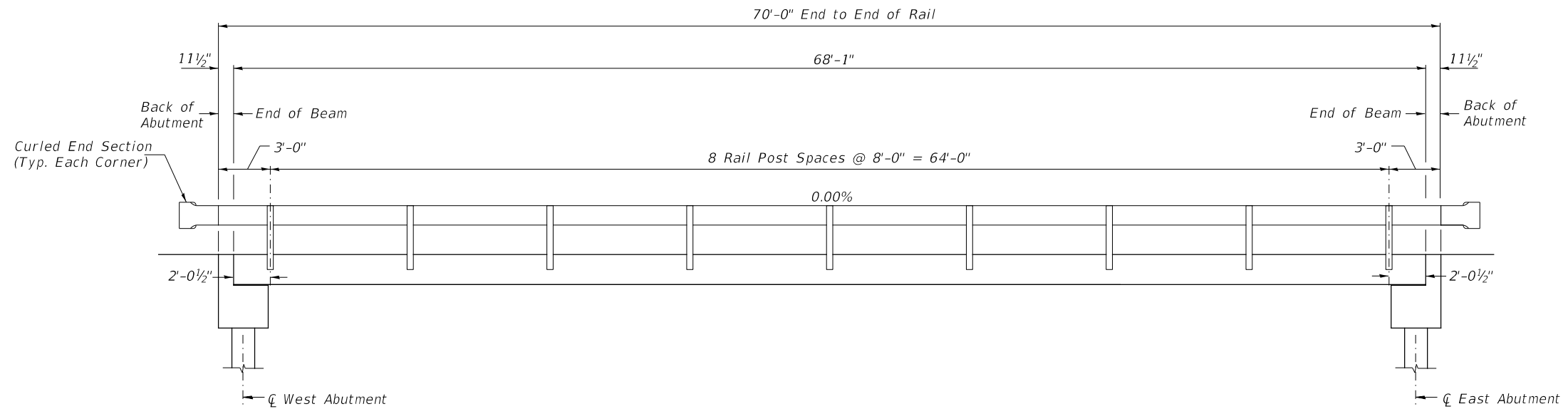
**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

STEEL RAILING, TYPE S-1

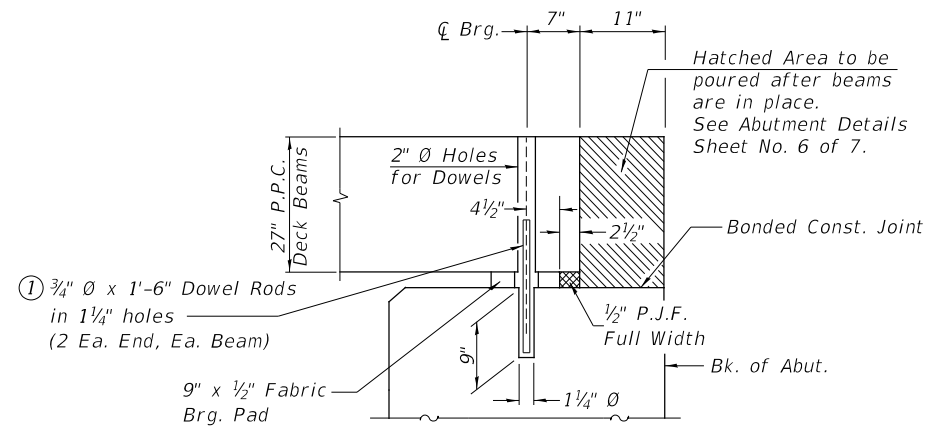
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PLOT DATE = 3/6/2024	CHECKED - MMO/YP/BAN	REVISED -
	DATE - 9/28/2023	REVISED -

SCALE: NONE SHEET 4 OF 7 SHEETS

RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	10
	SN 091-3251			CONTRACT NO. 99734
	FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT NO. SM67(223)



RAIL POST SPACING



SECTION THRU ABUTMENTS
(At Right Angles)

① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.

MODEL: s:\06\BEN\MM\TS
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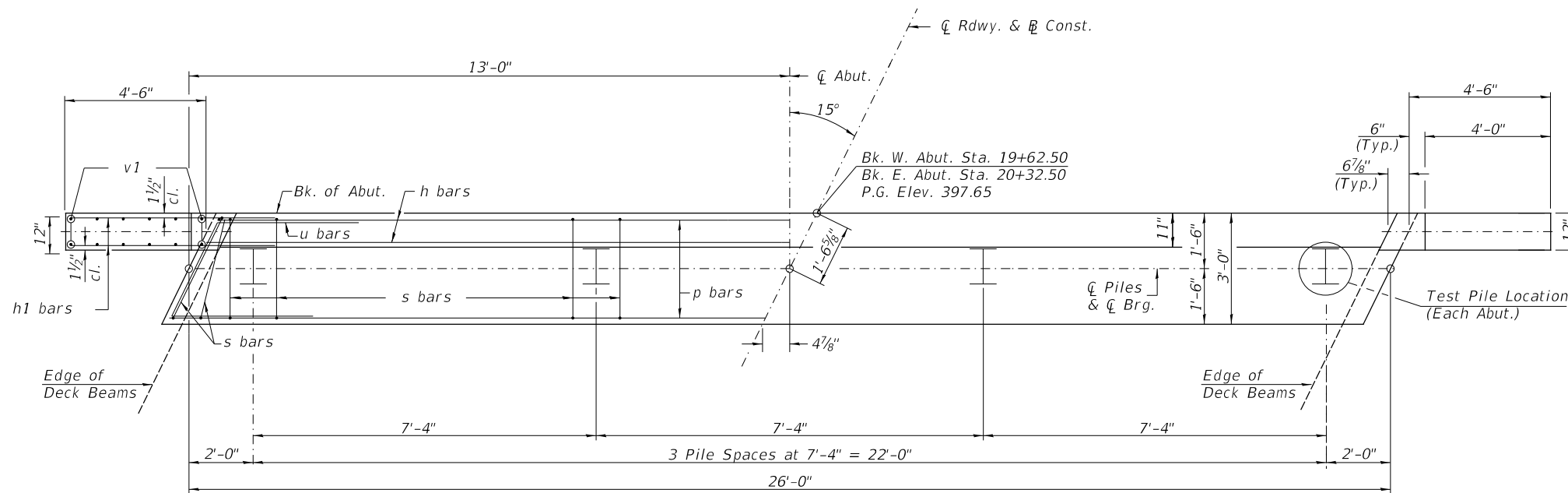
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PLOT DATE = 3/6/2024	DATE - 9/28/2023	REVISED - _____

UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK

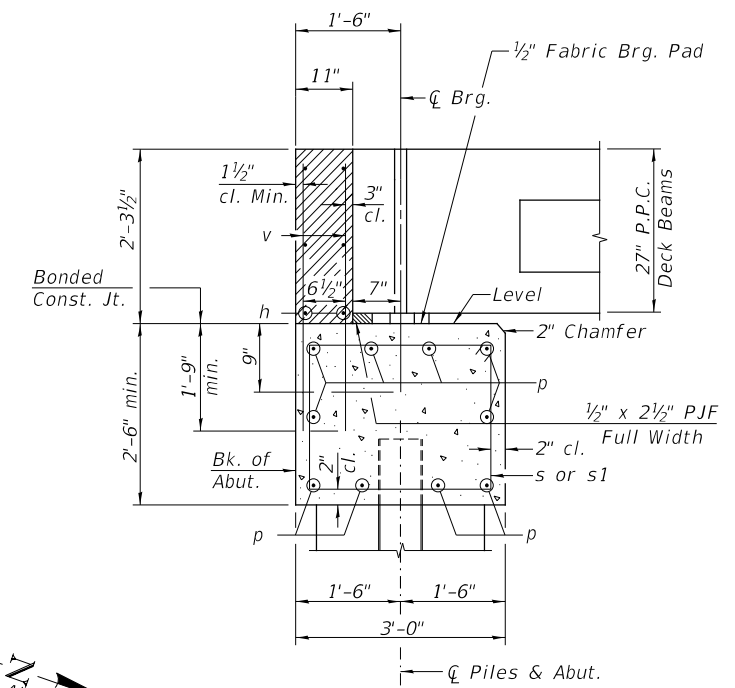
RAIL POST SPACING &
SUPERSTRUCTURE DETAILS

SCALE: NONE SHEET 5 OF 7 SHEETS

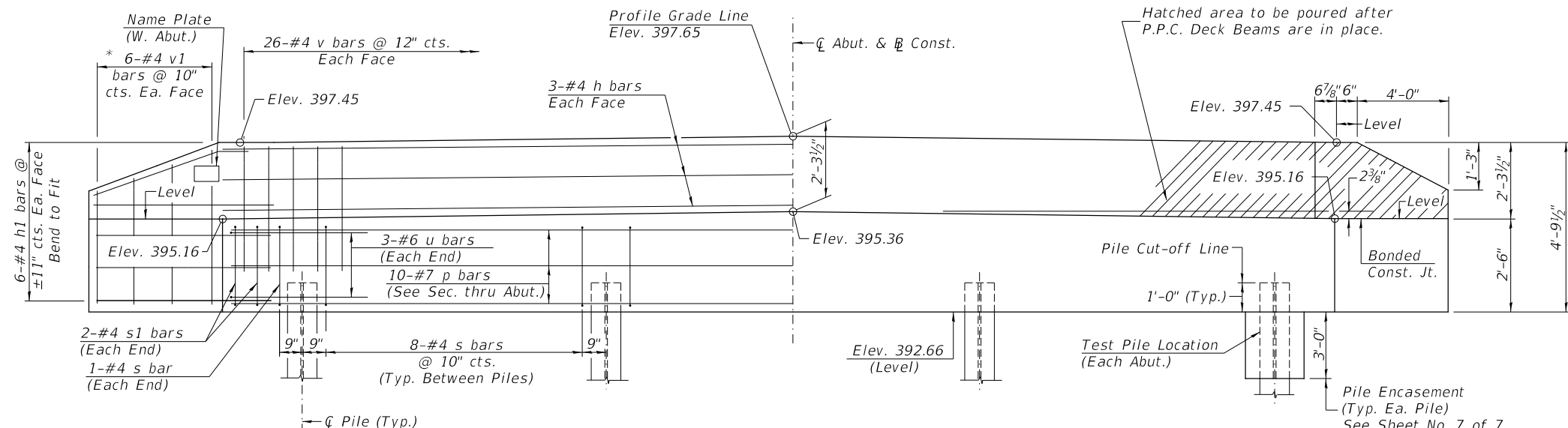
RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	11
SN 091-3251		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. SM67(223)		



PLAN



SECTION THRU ABUT.
(At Right Angles)

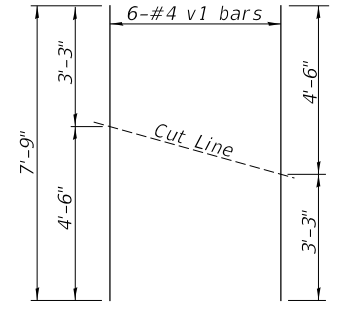


ELEVATION
(Front View of Abutment)

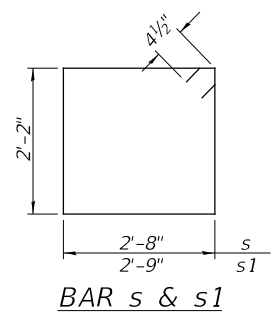
PILE DATA
 Type & Size: Steel HP10x42 Piles w/ Pile Shoes
 Nominal Required Bearing: 335 kips
 Factored Resistance Available: 184 kips
 Est. Length: 14' W. Abut.
 26' E. Abut.
 No. Req'd.: 8 (Includes 1 Test Pile at Each Abut.)

NOTES

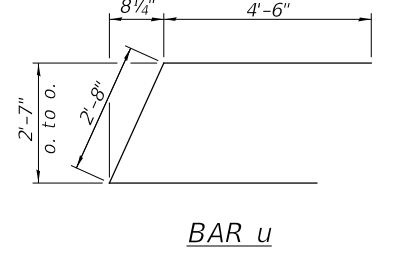
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- All edges shall have standard 3/4" chamfer.



BAR CUTTING DIAGRAM
 * Order v1 bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s & s1



BAR u

**TWO ABUTMENTS
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE	
h	12	#4	25'-9"	—	
h1	48	#4	6'-6"	—	
p	20	#7	25'-9"	—	
s	52	#4	10'-5"	□	
s1	8	#4	10'-7"	□	
u	12	#6	11'-8"	└	
v	104	#4	4'-0"	—	
v1	24	#4	7'-9"	—	
Structure Excavation				CU YD	50
Concrete Structures				CU YD	22.0
Concrete Encasement				CU YD	2.8
Reinforcement Bars				POUND	2,500
Furnishing Steel Piles HP10x42				FOOT	120
Driving Piles				FOOT	120
Test Pile Steel HP10x42				EACH	2
Name Plates				EACH	1
Pile Shoes				EACH	8

MODEL: s40BELMAME
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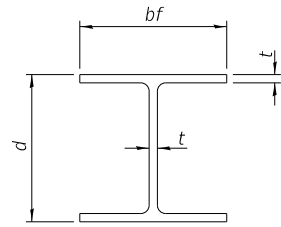
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PLOT DATE = 3/6/2024	CHECKED - MMO/YP/BAN	REVISED -
	DATE - 9/28/2023	REVISED -

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

SCALE: NONE SHEET 6 OF 7 SHEETS

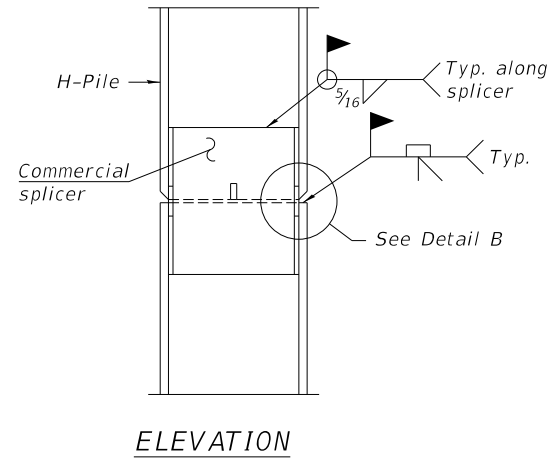
ABUTMENTS

TR 276	SECTION 20-01212-00-BR	COUNTY UNION	TOTAL SHEETS 20	SHEET NO. 12
SN 091-3251		CONTRACT NO. 99734		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SM67(223)		

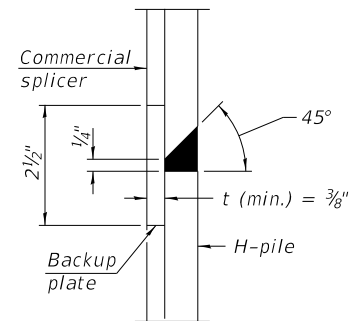


STEEL PILE TABLE

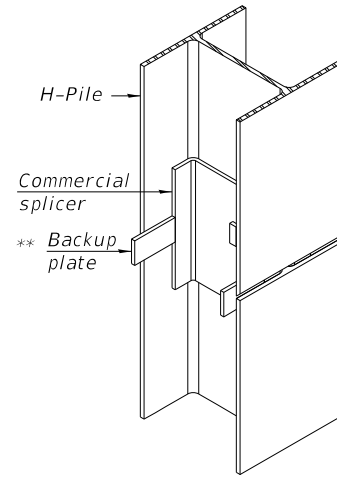
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

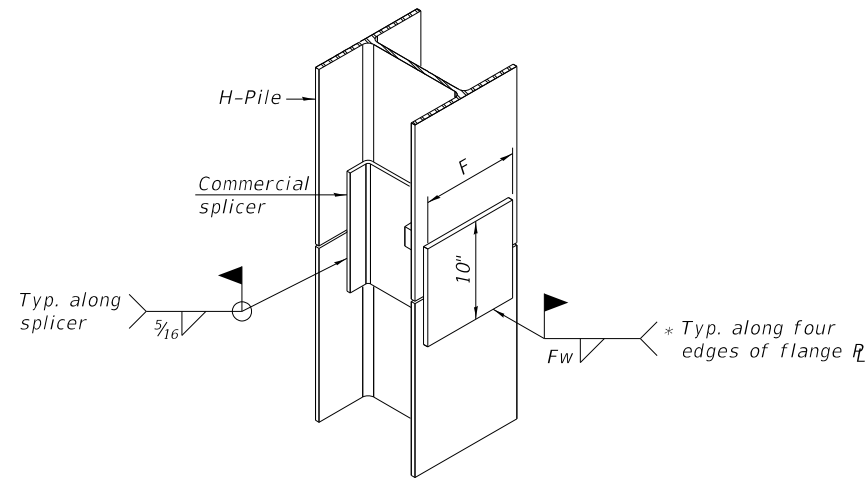


DETAIL "B"



ISOMETRIC VIEW

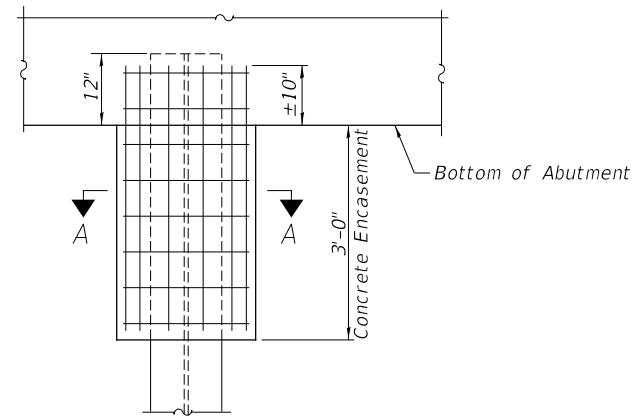
WELDED COMMERCIAL SPLICE



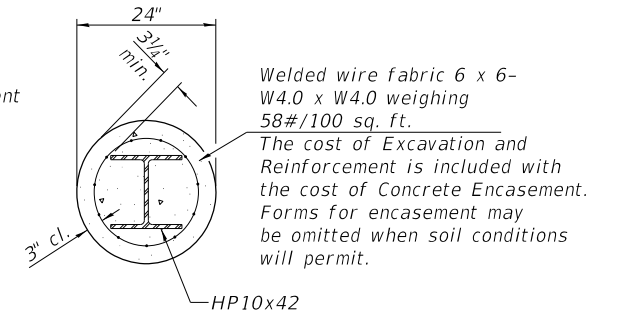
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

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

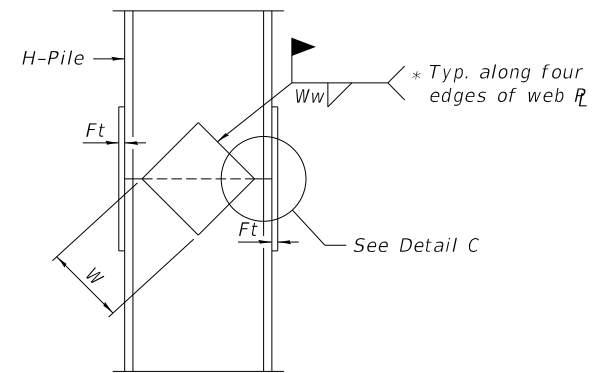


ABUTMENT ELEVATION

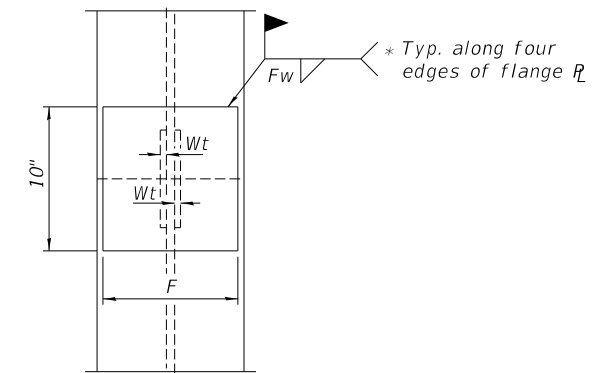


SECTION A-A

PILE ENCASEMENT



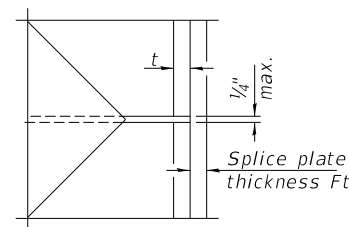
ELEVATION



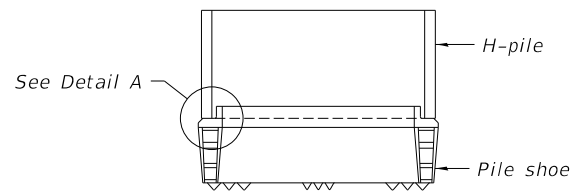
END VIEW

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

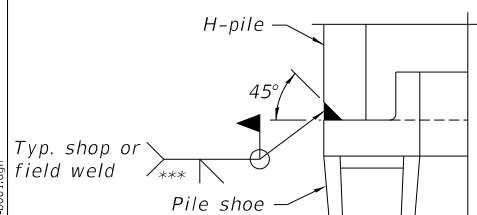
WELDED PLATE FIELD SPLICE



DETAIL C



ELEVATION



DETAIL A

SHOE ATTACHMENT

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

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PLOT DATE = 3/6/2024	CHECKED - MMO/YP/BAN	REVISED -
	DATE - 9/28/2023	REVISED -

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

HP PILE DETAILS

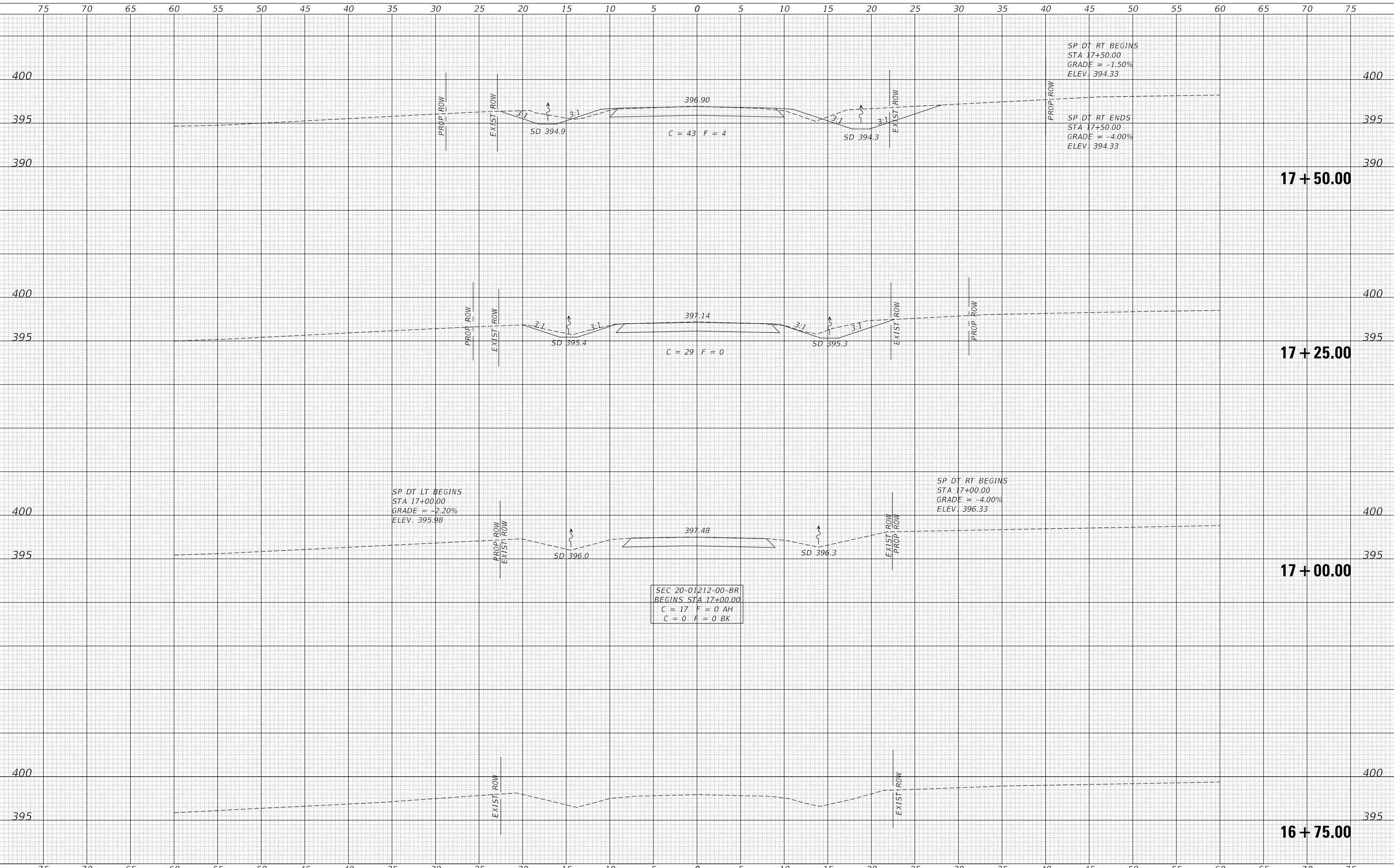
SCALE: NONE SHEET 7 OF 7 SHEETS

RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	13
	SN 091-3251		CONTRACT NO. 99734	
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SM67(223)		

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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PLOT SCALE =	10.0000' / in.	CHECKED -	MMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

SCALE: 1"=5'		SHEET 1	OF 7 SHEETS	STA. 16+75.00	TO STA. 17+50.00
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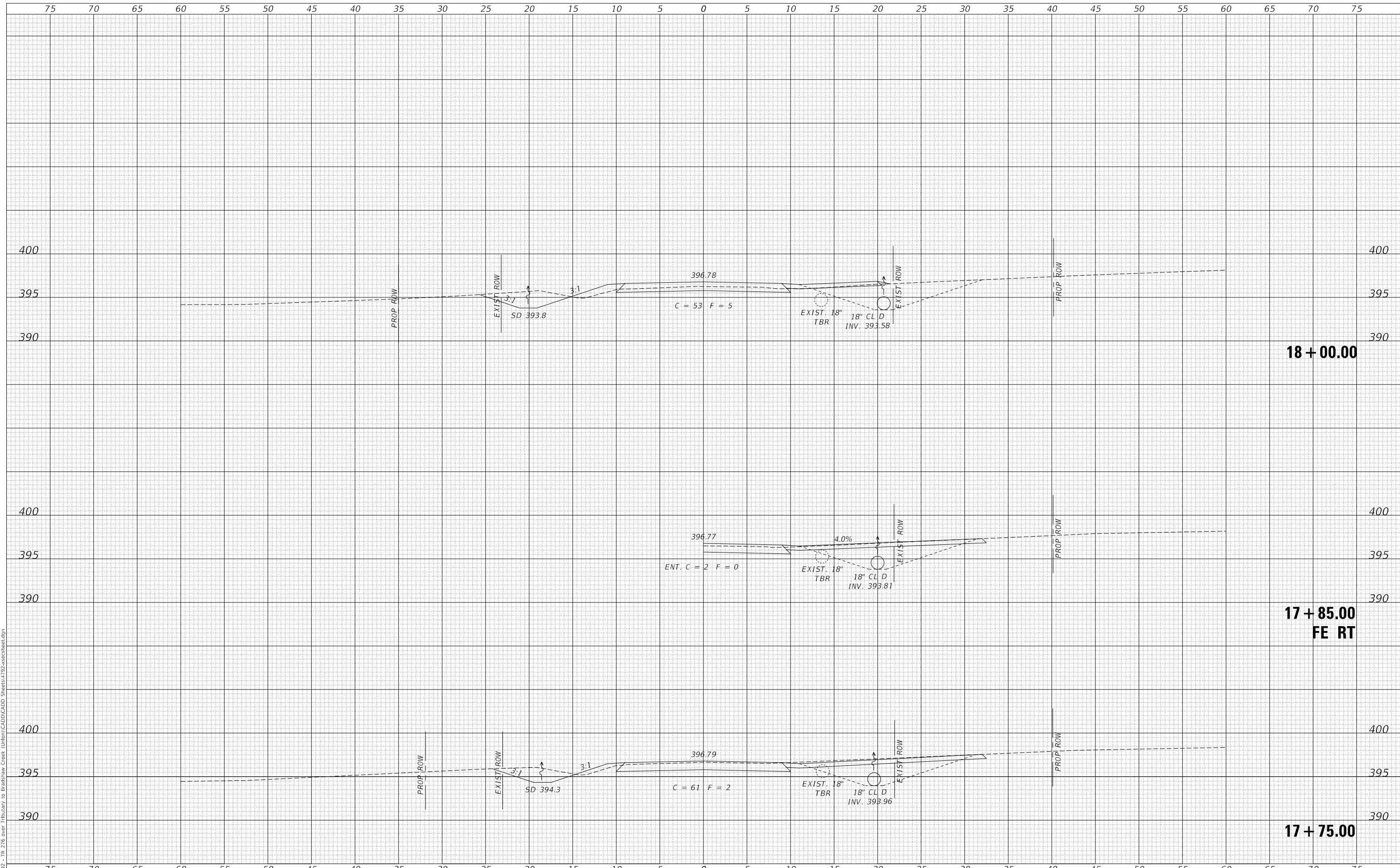
CROSS SECTIONS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	14
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
			FED. AID PROJECT NO. SM67(223)	

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

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

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PLOT SCALE =	10.0000' / in.	CHECKED -	MMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
 TOWNSHIP ROAD 276 OVER
 TRIBUTARY TO BRADSHAW CREEK**

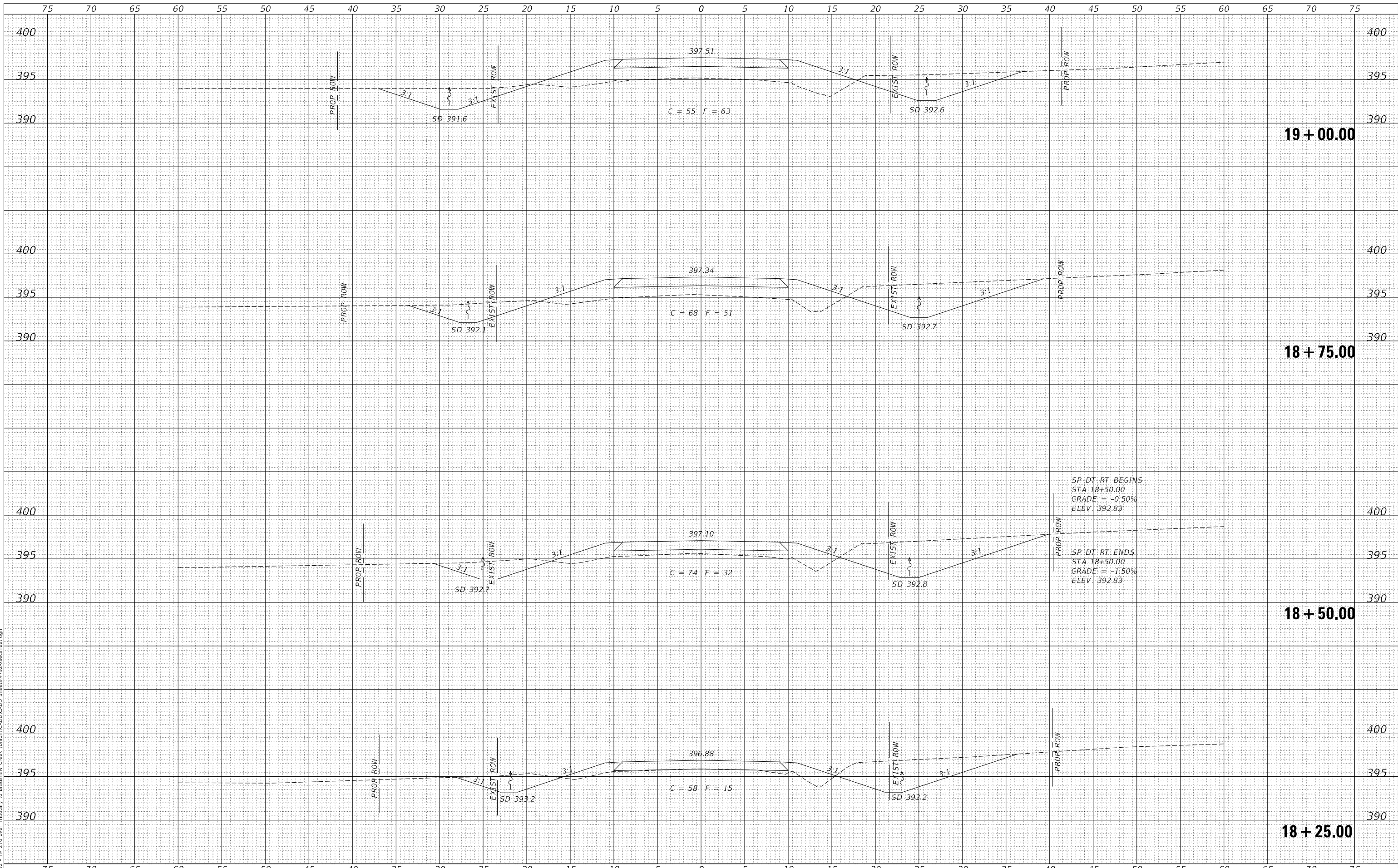
CROSS SECTIONS
 SCALE: 1"=5' SHEET 2 OF 7 SHEETS STA. 17+75.00 TO STA. 18+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	15
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
			FED. AID PROJECT NO. SM67(223)	

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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USER NAME =	MOgden	DESIGNED -	LBK	REVISED -	_____
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PLOT SCALE =	10.0000' / in.	CHECKED -	NMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
 TOWNSHIP ROAD 276 OVER
 TRIBUTARY TO BRADSHAW CREEK**

CROSS SECTIONS

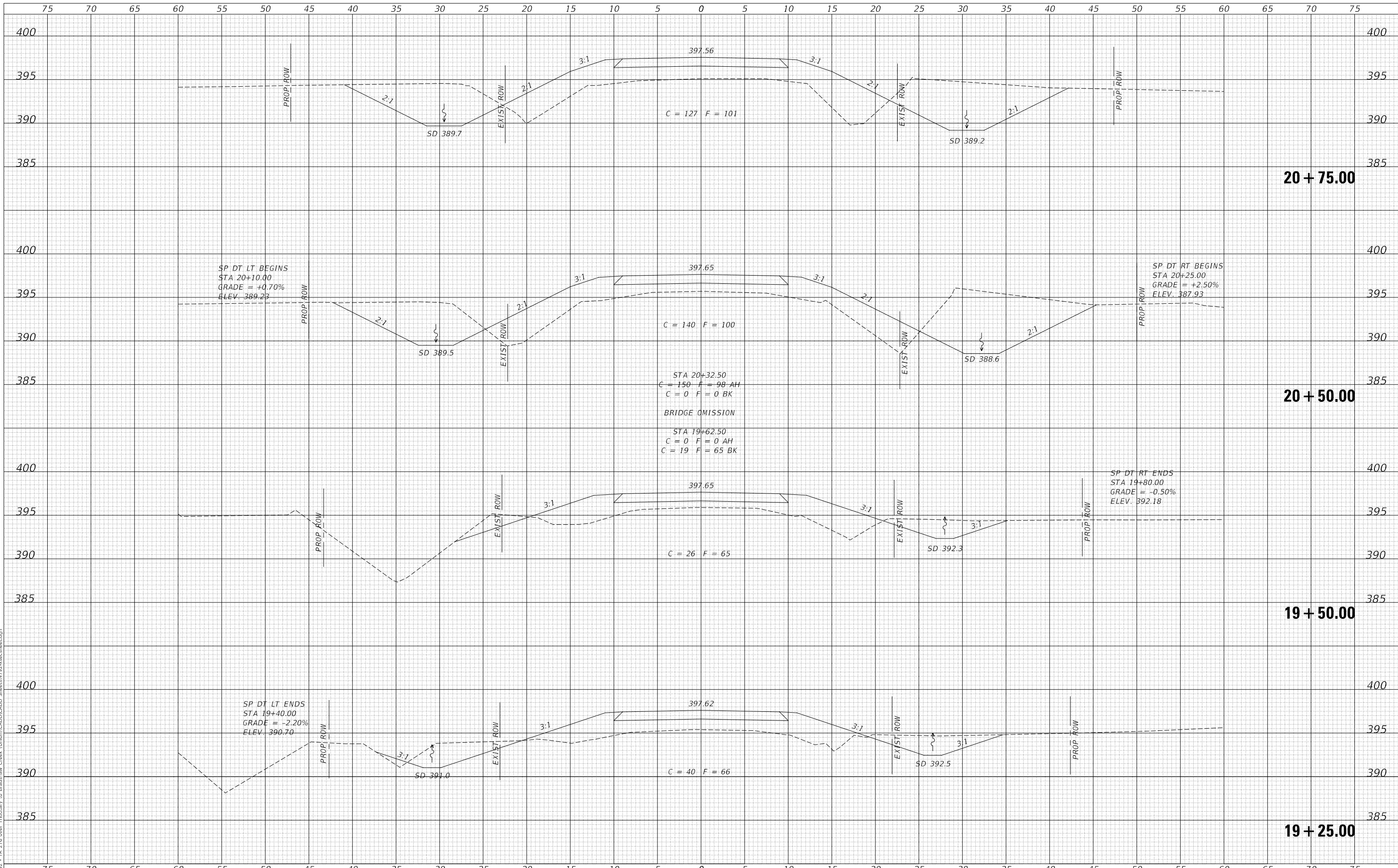
SCALE: 1"=5' SHEET 3 OF 7 SHEETS STA. 18+25.00 TO STA. 19+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	16
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
			FED. AID PROJECT NO. SM67(223)	

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

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

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USER NAME =	MOgden	DESIGNED -	LBK	REVISED -	_____
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PLOT SCALE =	10.0000' / in.	CHECKED -	MMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
 TOWNSHIP ROAD 276 OVER
 TRIBUTARY TO BRADSHAW CREEK**

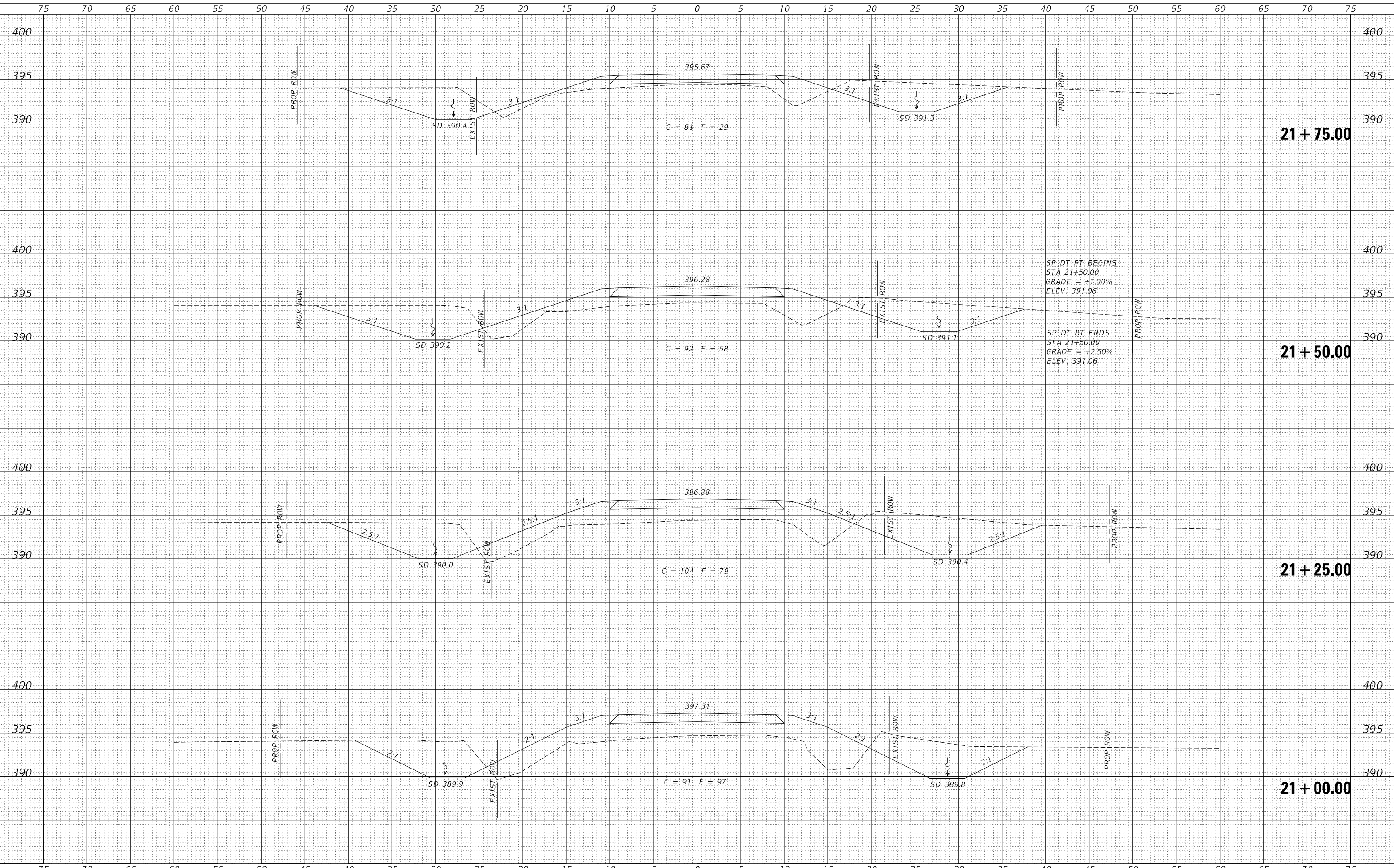
CROSS SECTIONS	
SCALE: 1"=5'	SHEET 4 OF 7 SHEETS
STA. 19+25.00	TO STA. 20+75.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	17
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
FED. AID PROJECT NO. SM67(223)				

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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FILE NAME: V:\1752 - TR 276 over Tributary to Bradshaw Creek (Union)CAD\CADD Sheets\1752-ss\sheet.dgn



USER NAME =	MOgden	DESIGNED -	LBK	REVISED -	_____
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PLOT SCALE =	10.0000' / in.	CHECKED -	MMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
TOWNSHIP ROAD 276 OVER
TRIBUTARY TO BRADSHAW CREEK**

CROSS SECTIONS

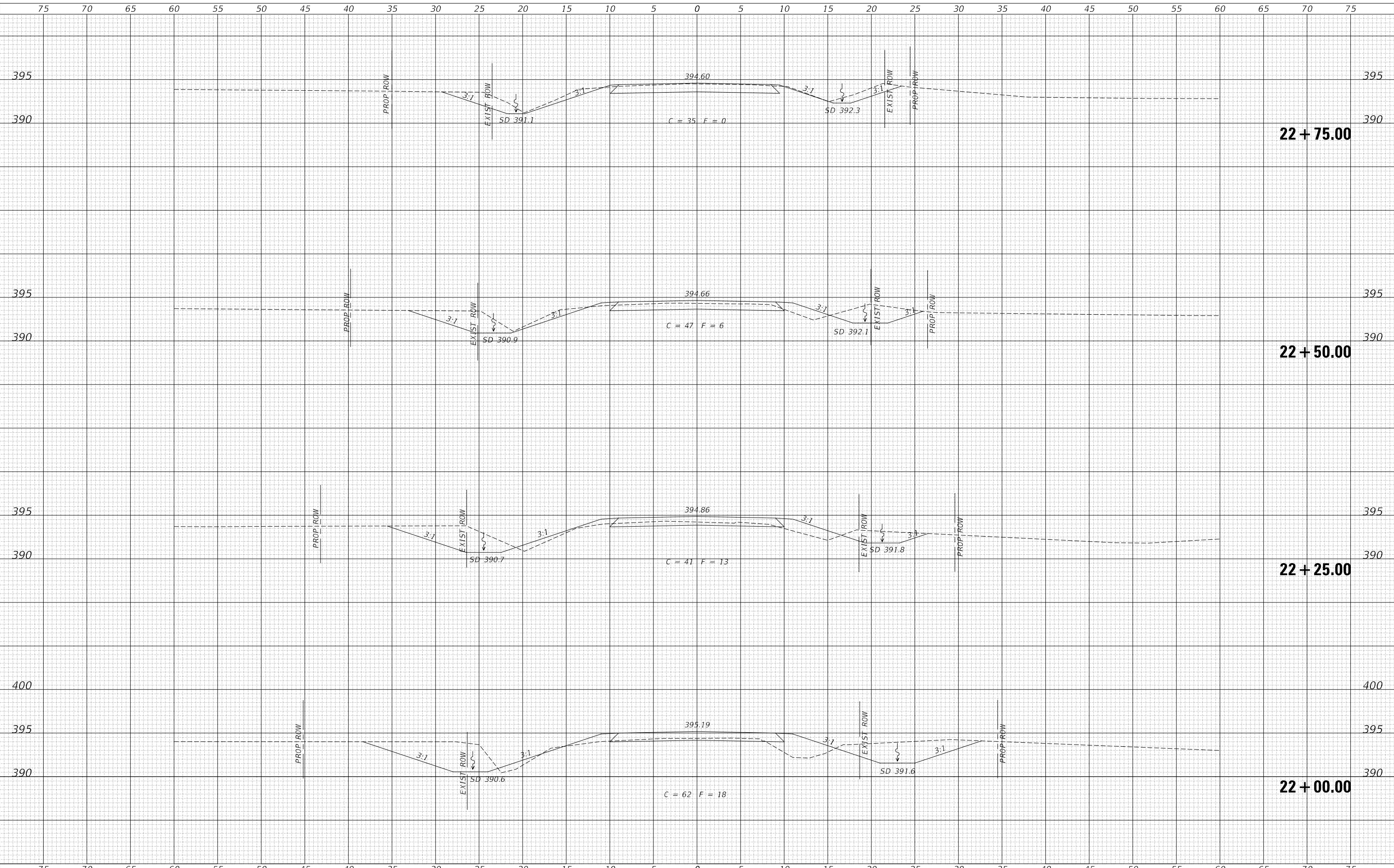
SCALE: 1"=5' SHEET 5 OF 7 SHEETS STA. 21+00.00 TO STA. 21+75.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	18
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
FED. AID PROJECT NO. SM67(223)				

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

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

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USER NAME = MOgden	DESIGNED - LBK	REVISED - _____
	DRAWN - LBK	REVISED - _____
PLOT SCALE = 10.0000' / in.	CHECKED - MMO/YP	REVISED - _____
PLOT DATE = 3/6/2024	DATE - 10/04/2023	REVISED - _____

**UNION COUNTY
 TOWNSHIP ROAD 276 OVER
 TRIBUTARY TO BRADSHAW CREEK**

SCALE: 1"=5' SHEET 6 OF 7 SHEETS STA. 22+00.00 TO STA. 22+75.00

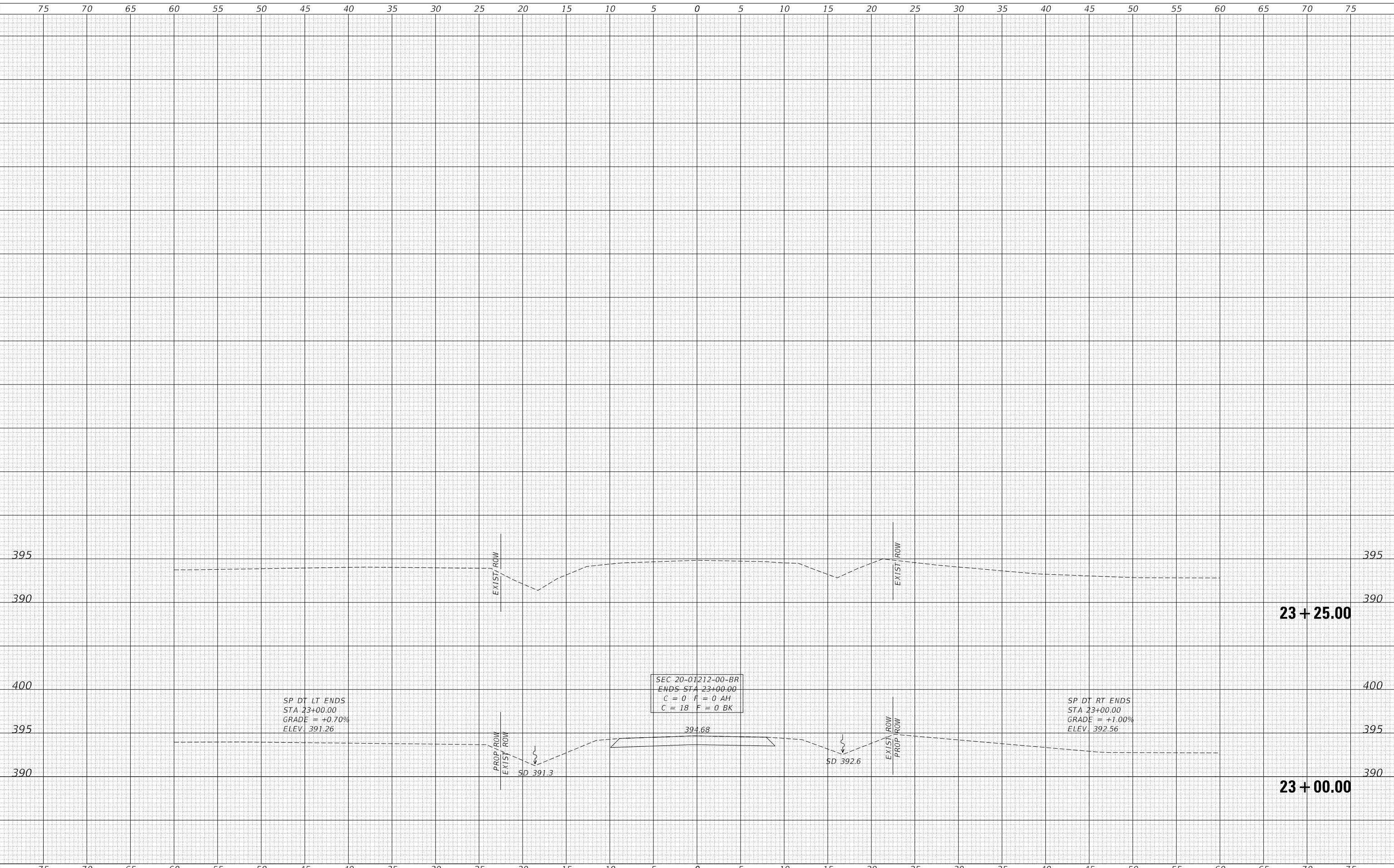
CROSS SECTIONS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	19
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
FED. AID PROJECT NO. SM67(223)				

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

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

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USER NAME =	MOgden	DESIGNED -	LBK	REVISED -	_____
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PLOT SCALE =	10.0000' / in.	CHECKED -	MMO/YP	REVISED -	_____
PLOT DATE =	3/6/2024	DATE -	10/04/2023	REVISED -	_____

**UNION COUNTY
 TOWNSHIP ROAD 276 OVER
 TRIBUTARY TO BRADSHAW CREEK**

CROSS SECTIONS

SCALE: 1"=5' SHEET 7 OF 7 SHEETS STA. 23+00.00 TO STA. 23+25.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 276	20-01212-00-BR	UNION	20	20
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 99734	
FED. AID PROJECT NO. SM67(223)				