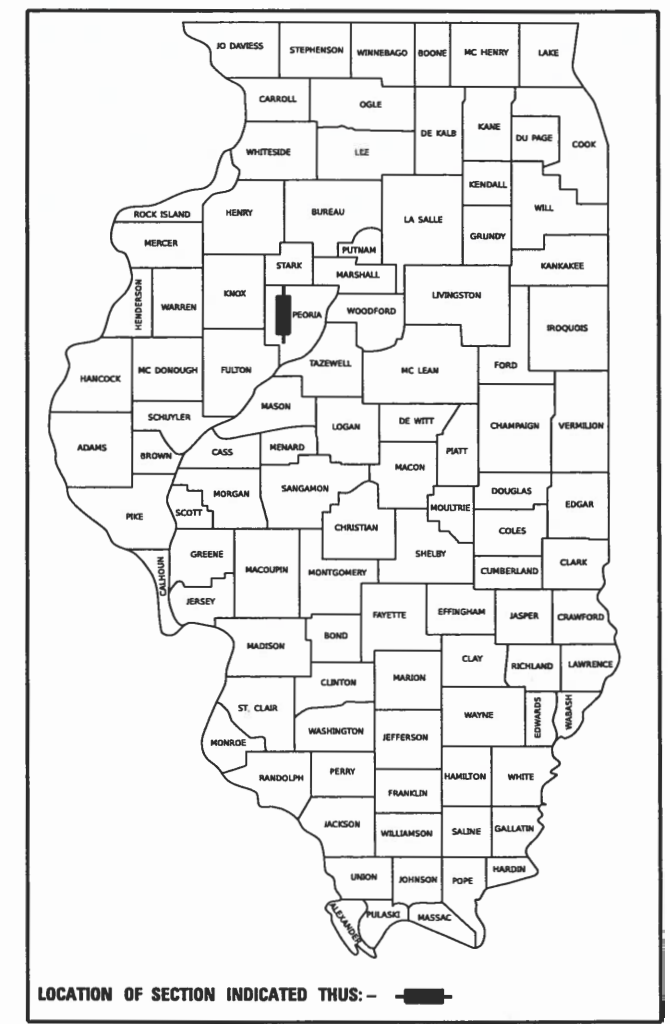


CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	1
		ILLINOIS	CONTRACT NO. 89821	

01-20-2023 LETTING ITEM 073

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
BRIDGE REHABILITATION**

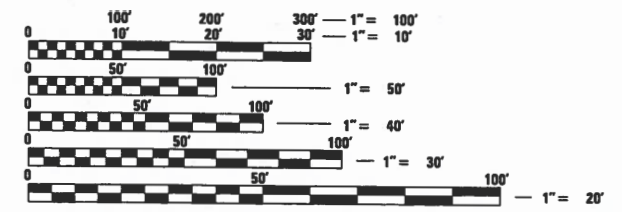
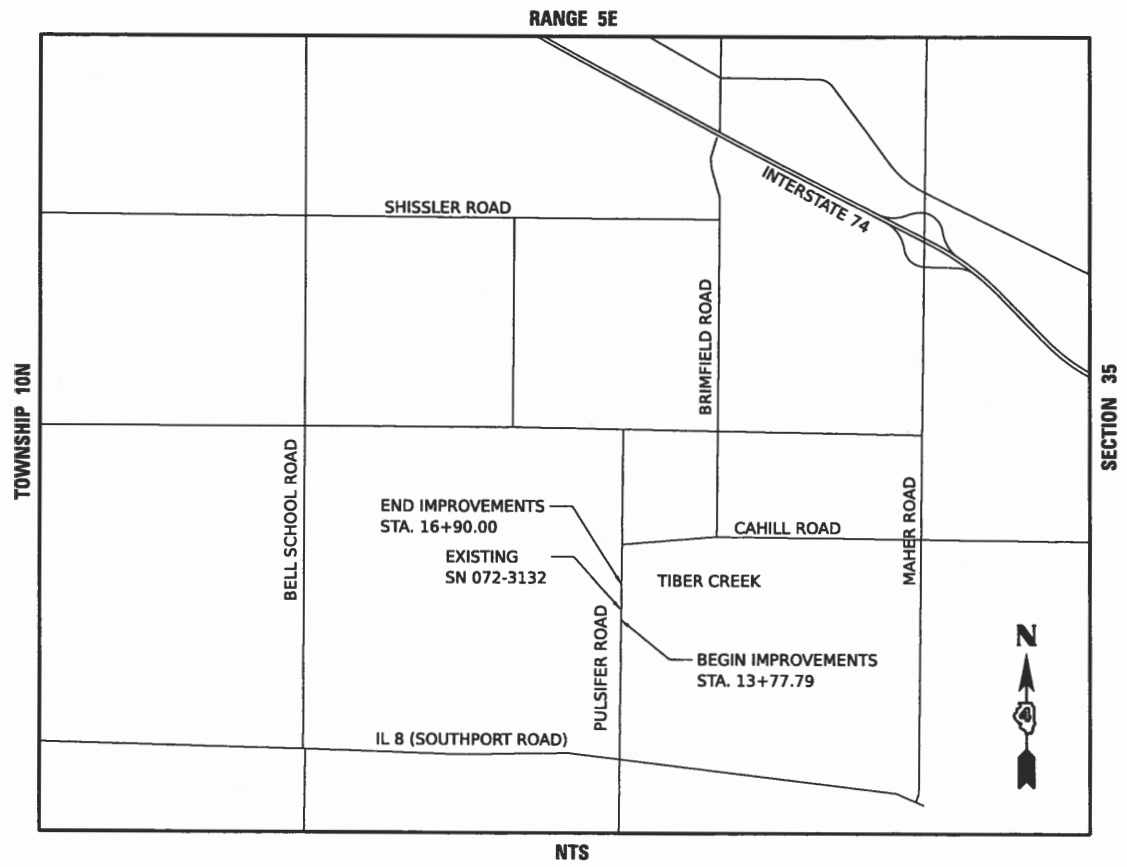
**STP-BRIDGE  
CH R23 (PULSIFER ROAD)  
SECTION 20-00155-00-BR  
PROJECT K24E(901)  
BRIDGE REHABILITATION  
PEORIA COUNTY  
JOB NO. C-94-017-22**



- INDEX OF SHEETS**
1. COVER
  2. GENERAL NOTES AND LEGEND
  - 3.-6. SUMMARY OF QUANTITIES
  - 7.-8. TYPICAL SECTIONS
  9. SCHEDULE OF QUANTITIES
  10. ALIGNMENT, BENCHMARKS, AND TIES
  11. DETOUR PLAN
  12. REMOVAL PLAN
  - 13.-14. PLAN AND PROFILES
  15. EROSION CONTROL PLAN
  16. GUARDRAIL DETAILS
  17. ENTRANCE DETAILS
  - 18.-25. STRUCTURE PLANS SN 072-3132
  - 26.-31. IDOT DISTRICT 4 STANDARD DETAILS
  - 32.-35. CROSS SECTIONS-PULSIFER ROAD
  - 36.-37. CROSS SECTIONS-CREEK

- HIGHWAY STANDARDS**
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
  - 001001-02 AREAS OF REINFORCEMENT BARS
  - 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
  - 515001-04 NAME PLATES FOR BRIDGES
  - 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
  - 631032-10 TRAFFIC BARRIER TERMINAL, TYPE 6A
  - 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
  - 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
  - 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY
  - 701901-08 TRAFFIC CONTROL DEVICES
  - 725001-01 OBJECT AND TERMINAL MARKERS
  - 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
  - B.L.R. 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
  - B.L.R. 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

- IDOT DISTRICT 4 STANDARDS**
- 406301-D4 RURAL ENTRANCES FOR "3R" PROJECTS
  - 630101-D4 GUARDRAIL EROSION CONTROL TREATMENTS
  - 780001-D4 TYPICAL PAVEMENT MARKINGS



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

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

**PROJECT ENGINEER: BRYCE BECKSTROM, P.E.**  
**PROJECT MANAGER: CINDY LOOS, P.E.**  
**CONTRACT NO. 89821**  
**CATALOG NO. 036160-00D**

GROSS LENGTH = 312.21 FT. = 0.059 MILE  
NET LENGTH = 312.21 FT. = 0.059 MILE

ADT (2017) = 175. SU/MU=11%  
HIGHWAY CLASS: IV  
FUNCTIONAL CLASSIFICATION: LOCAL ROAD  
DESIGN SPEED: 55 MPH  
POSTED SPEED LIMIT: 55 MPH  
DESIGN POLICY: BLR MANUAL-3R

BRYCE A. BECKSTROM  
062-062864  
DATE SIGNED: 10/10/22  
LIC. EXP. DATE: 11/30/2023

DATE: 10/10/2022



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

APPROVED October 12 20 22  
*Amy Beata Altman*  
COUNTY ENGINEER

PASSED 10 25 20 22  
*[Signature]*  
DISTRICT FOUR ENGINEER OF  
LOCAL ROADS & STREETS

Releasing For  
Bid Based on  
Limited Review October 25 20 22  
*Kenneth A. Howard*  
REGION THREE ENGINEER

STATE OF ILLINOIS

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**GENERAL NOTES**

- THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", 2022 EDITION AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", 2022 EDITION.
- ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE I,D,O,T. STANDARD SPECIFICATIONS SHALL BE CONSTRUED TO MEAN THE OWNER OR HIS AGENT AS APPROPRIATE.
- WHERE SECTION, SUB-SECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
- ALL SECTIONS, DETAILS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
- ALL THE ELEVATIONS, STATIONS, AND OFFSETS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL PAVEMENT REMOVALS SHALL BE FULL DEPTH SAW CUT AT THE LIMITS TO BE REMOVED. THE COST OF THE SAW CUT IS INCLUDED IN PAVEMENT REMOVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
- EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE HAULED OFF-SITE AT CONTRACTOR'S EXPENSE.
- THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.
- APPLICATION RATES:  
TEMPORARY SEEDING: 100 LB/ACRE  
BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB / SQ FT
- THE CONTRACTOR SHALL USE ANY ON SITE MATERIAL DEEMED SUITABLE BY THE ENGINEER BEFORE ANY NEW FILL IS HAULED TO THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTORS BIDDING THIS PROJECT SHALL VISIT THE SITE BEFORE BIDDING.
- COMPLETE ROAD CLOSURE SHALL BE USED FOR DURATION OF CONSTRUCTION IN ACCORDANCE WITH HIGHWAY STANDARDS B.L.R. 21-9 AND B.L.R. 22-7.

**UTILITIES**

FRONTIER COMMUNICATIONS  
112 W. ELM STREET  
SYCAMORE, IL 60178  
ATTN: KALIN HINSHAW  
815.895.1515  
ATTN: TERRY SPURGEON  
309.853.6293

AMEREN ILLINOIS  
8420 N. UNIVERSITY STREET  
PEORIA, IL 61615  
ATTN: JARED GRANDON  
309.693.4697

**IDOT DISTRICT 4 GENERAL NOTES**

105.06 AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

105.07B TREE REMOVAL - UTILITY RELOCATION

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

107.00 COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED APRIL 1 THROUGH SEPTEMBER 30.

204.00 ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE VARIOUS REMOVAL PAY ITEM.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

351.08 AGGREGATE FOR DRIVEWAY REPLACEMENT

THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.


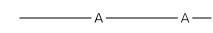

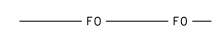

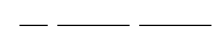

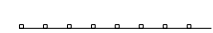



406.05 POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.08 LB/SF
EXISTING PAVEMENT	0.08 LB/SF
FOG COAT (BETWEEN LIFTS)	0.08 LB/SF

606.14 TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

TEN FEET (10 FT.) (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN, THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

**LEGEND**

	CONTROL POINT		OVERHEAD ELECTRIC
	EXISTING TELEPHONE PEDESTAL		UNDERGROUND FIBER OPTIC
	EXISTING POWER POLE		EXISTING R.O.W.
	EXISTING TREE		EXISTING GUARDRAIL
	EXISTING R.O.W. MARKER		PROPOSED GUARDRAIL
			VEGETATION LINE

**UTILITY NOTE**

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED AMONG THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS, ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

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REVIEWED: MGD 10/10/2022 12:00:00 AM

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	PLOT SCALE = 0.16666667 / in.	CHECKED	REVISED		21L0103		CONTRACT NO. 89821					
PLOT DATE = 10/20/2022	DATE	10/10/2022 12:00:00 AM	REVISED	SCALE: N/A	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					





DESIGNED RDH 6/14/2022 12:00:00 AM  
 DRAWN RLA 6/14/2022 12:00:00 AM  
 REVIEWED MGD 10/10/2022 12:00:00 AM

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				0004	0013
				ROADWAY	RURAL-BRIDGE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	10	10	
20200100	EARTH EXCAVATION	CU YD	300	300	
20300100	CHANNEL EXCAVATION	CU YD	370	370	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1007	1007	
25100630	EROSION CONTROL BLANKET	SQ YD	1007	1007	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21	21	
28000305	TEMPORARY DITCH CHECKS	FOOT	9	9	
28000400	PERIMETER EROSION BARRIER	FOOT	566	566	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100109	STONE RIPRAP, CLASS A5	SQ YD	882		882
28200200	FILTER FABRIC	SQ YD	882		882
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	118	118	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	20	20	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	384	384	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	655	465	190

**A SPECIALTY ITEMS**

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PLOT DATE = 10/20/2022		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD  
 SUMMARY OF QUANTITIES**

SCALE: N/A SHEET OF SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	3
21L0103			CONTRACT NO. 89821	
ILLINOIS FED. AID PROJECT				

FINAL

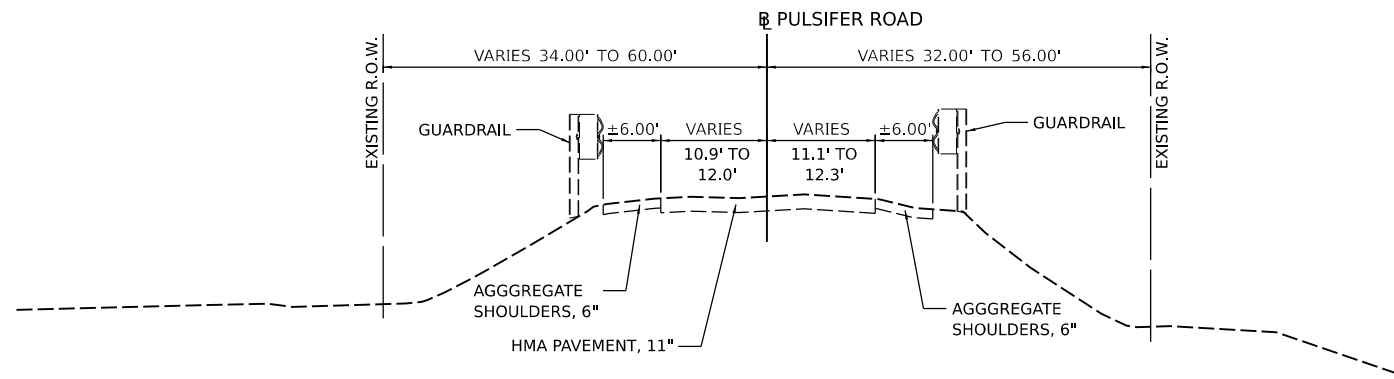


CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
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				ROADWAY	RURAL-BRIDGE
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	86		86
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	53		53
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	129		129
Δ 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	174	174	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	32	32	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	11	11	
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
Δ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1249	1249	
Δ 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1249	1249	
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16	

**Δ SPECIALTY ITEMS**

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	PLOT DATE = 10/20/2022	DATE - 10/10/2022 12:00:00 PM	REVISED -					ILLINOIS   FED. AID PROJECT				
				SCALE: N/A	SHEET	OF	SHEETS	STA.	TO STA.			





**EXISTING TYPICAL SECTION**  
 STA. 13+77.79 TO STA. 16+90.00

BRIDGE OMISSION  
 STA. 15+00.45 TO STA. 15+66.45

NOTE:  
 PAVEMENT AND SHOULDER DEPTHS ARE ASSUMED BASED ON AS-BUILT PLANS.

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 REVIEWED MGD 10/10/2022 12:00:00 AM

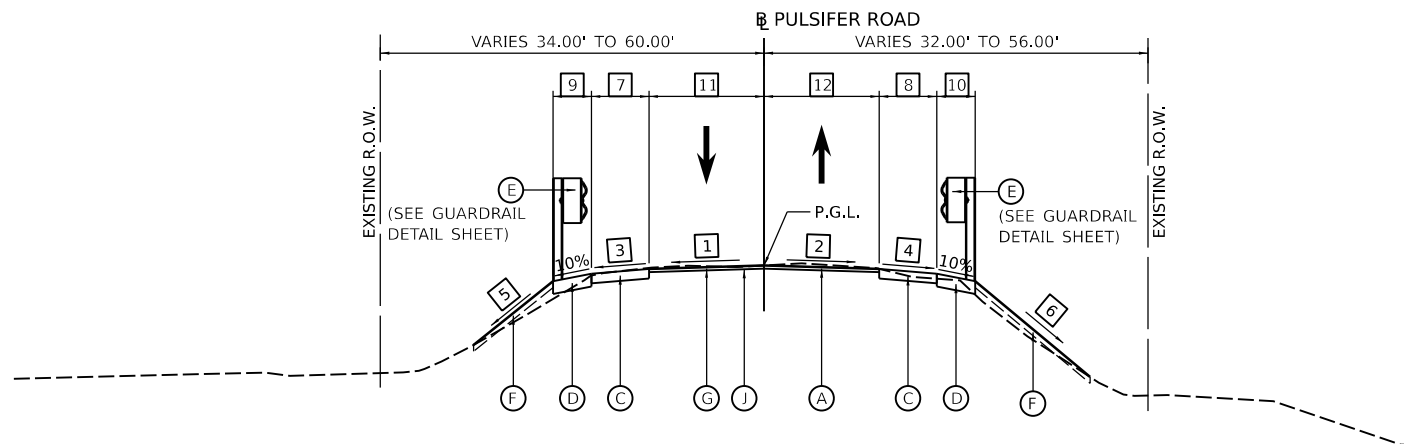
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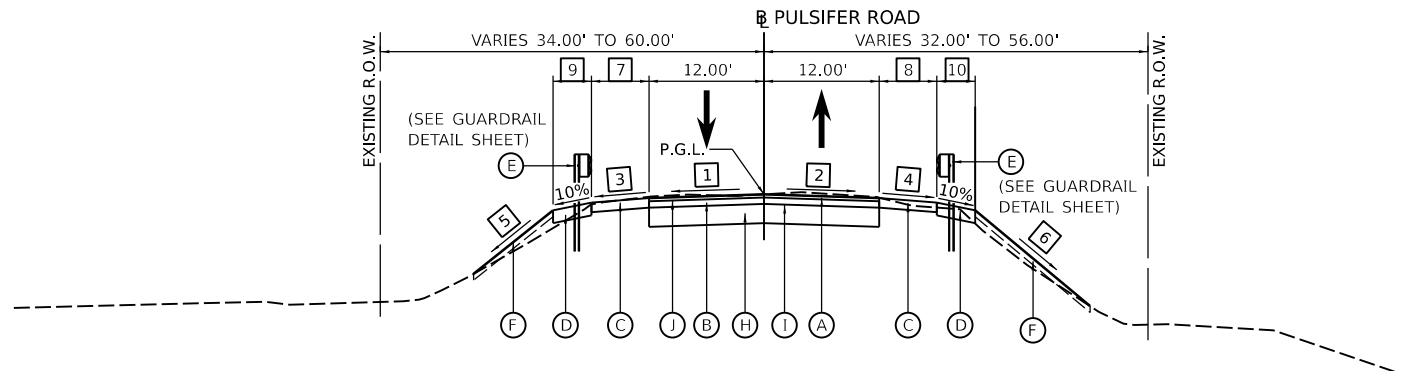
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PULSIFER ROAD          EXISTING TYPICAL SECTION</b>			
SCALE: N/A	SHEET	OF SHEETS	STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	7
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL SECTION**  
 STA. 13+77.79 TO STA. 14+70.00  
 STA. 16+00.00 TO STA. 16+90.00



**PROPOSED TYPICAL SECTION**  
 STA. 14+70.00 TO STA. 16+00.00

**BRIDGE OMISSION**  
 STA. 15+00.45 TO STA. 15+66.45

- 1** ROADWAY CROSS SLOPE - LEFT  
 STA. 13+77.79 TO STA. 14+70.00 = MATCH EXISTING  
 STA. 14+70.00 TO STA. 14+80.00 = TRANSITION FROM -1.93% TO -2.08%  
 STA. 14+80.00 TO STA. 15+89.00 = -2.08%  
 STA. 15+89.00 TO STA. 16+15.00 = TRANSITION FROM -2.08% TO -2.56%  
 STA. 16+15.00 TO STA. 16+90.00 = MATCH EXISTING
- 2** ROADWAY CROSS SLOPE - RIGHT  
 STA. 13+77.79 TO STA. 14+70.00 = MATCH EXISTING  
 STA. 14+70.00 TO STA. 14+90.00 = TRANSITION FROM -2.28% TO -2.08%  
 STA. 14+90.00 TO STA. 15+72.00 = -2.08%  
 STA. 15+72.00 TO STA. 16+15.00 = TRANSITION FROM -2.08% TO -3.23%  
 STA. 16+15.00 TO STA. 16+90.00 = MATCH EXISTING
- 3** SHOULDER CROSS SLOPE - LEFT  
 STA. 13+77.79 TO STA. 14+80.00 = -4.00%  
 STA. 14+80.00 TO STA. 14+90.00 = TRANSITION FROM -4.00% TO -2.08%  
 STA. 14+90.00 TO STA. 15+65.00 = -2.08%  
 STA. 15+65.00 TO STA. 15+75.00 = TRANSITION FROM -2.08% TO -4.00%  
 STA. 15+75.00 TO STA. 16+80.00 = -4.00%  
 STA. 16+80.00 TO STA. 16+90.00 = TRANSITION FROM -4.00% TO -3.78%

- 4** SHOULDER CROSS SLOPE - RIGHT  
 STA. 13+77.79 TO STA. 14+90.00 = -4.00%  
 STA. 14+90.00 TO STA. 15+00.00 = TRANSITION FROM -4.00% TO -2.08%  
 STA. 15+00.00 TO STA. 15+75.00 = -2.08%  
 STA. 15+75.00 TO STA. 15+85.00 = TRANSITION FROM -2.08% TO -4.00%  
 STA. 15+85.00 TO STA. 16+80.00 = -4.00%  
 STA. 16+80.00 TO STA. 16+90.00 = TRANSITION FROM -4.00% TO -7.04%
- 5** SIDE SLOPE - LEFT  
 STA. 13+77.79 TO STA. 14+60.00 = 1:2.5  
 STA. 14+60.00 TO STA. 14+91.94 = TRANSITION FROM 1:2.5 TO 1:3  
 STA. 15+57.94 TO STA. 16+00.00 = TRANSITION FROM 1:3 TO 1:2.5  
 STA. 16+00.00 TO STA. 16+50.00 = 1:2.5  
 STA. 16+50.00 TO STA. 16+90.00 = TRANSITION FROM 1:2.5 TO 1:3
- 6** SIDE SLOPE - RIGHT  
 STA. 13+77.79 TO STA. 15+08.96 = 1:3  
 STA. 15+74.96 TO STA. 16+25.00 = TRANSITION FROM 1:3 TO 1:2  
 STA. 16+25.00 TO STA. 16+60.00 = 1:2  
 STA. 16+60.00 TO STA. 16+90.00 = TRANSITION FROM 1:2 TO 1:3

- 7** SHOULDER WIDTH - LEFT  
 STA. 13+77.79 TO STA. 13+82.79 = TRANSITION FROM 3.31' TO 6.00'  
 STA. 13+82.79 TO STA. 16+85.00 = 6.00'  
 STA. 16+85.00 TO STA. 16+90.00 = TRANSITION FROM 6.00' TO 3.18'
- 8** SHOULDER WIDTH - RIGHT  
 STA. 13+77.79 TO STA. 13+82.79 = TRANSITION FROM 4.21' TO 6.00'  
 STA. 13+82.79 TO STA. 14+06.79 = 6.00'  
 STA. 16+84.48 TO STA. 16+90.00 = TRANSITION FROM 6.00' TO 2.18'
- 9** GUARDRAIL AGGREGATE WIDTH - LEFT  
 STA. 13+77.79 TO STA. 13+82.79 = 0.00'  
 STA. 13+82.79 TO STA. 14+06.79 = TRANSITION FROM 0.00' TO 4.00'  
 STA. 14+06.79 TO STA. 16+43.46 = 4.00'  
 STA. 16+43.46 TO STA. 16+67.46 = TRANSITION FROM 4.00' TO 0.00'  
 STA. 16+67.46 TO STA. 16+90.00 = 0.00'

- 10** GUARDRAIL AGGREGATE WIDTH - RIGHT  
 STA. 13+77.79 TO STA. 14+19.26 = 0.00'  
 STA. 14+19.26 TO STA. 14+24.96 = TRANSITION FROM 3.18' TO 4.00'  
 STA. 14+24.96 TO STA. 16+60.48 = 4.00'  
 STA. 16+60.48 TO STA. 16+84.48 = TRANSITION FROM 4.00' TO 0.00'  
 STA. 16+84.48 TO STA. 16+90.00 = 0.00'
- 11** ROADWAY WIDTH - LEFT  
 STA. 13+77.79 TO STA. 14+70.00 = 12.00'  
 STA. 16+00.00 TO STA. 16+90.00 = TRANSITION FROM 12.00 TO 10.83'
- 12** ROADWAY WIDTH - RIGHT  
 STA. 13+77.79 TO STA. 14+70.00 = 12.00'  
 STA. 16+00.00 TO STA. 16+90.00 = TRANSITION FROM 12.00 TO 11.12'

HMA MIXTURE REQUIREMENTS		
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:		
LOCATION:	PULSIFER ROAD	
MIXTURE USE(S):	POLYMERIZED HMA SURFACE COURSE	POLYMERIZED HMA BINDER COURSE
PG:	SBS 76-28	SBS 76-28
DESIGN AIR VOIDS:	4.0% @ N-50	4.0% @ N-50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIXTURE C	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A

STRUCTURAL DESIGN TRAFFIC:	YEAR <u>2017</u>	ADT <u>175</u>
	PV = <u>89%</u>	SU = _____ MU = <u>11%</u>
ROAD/STREET CLASSIFICATION:	CLASS <u>IV</u>	
PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE	P = <u>50%</u> S = <u>50%</u> M = <u>50%</u>	
TRAFFIC FACTOR:	ACTUAL TF = <u>0.02</u>	AC TYPE = <u>N/A</u>
	MINIMUM TF = <u>N/A</u>	
PG GRADE: Binder =	SBS 76-28	Surface = SBS 76-28
SUBGRADE SUPPORT RATING:	SSR = <u>POOR</u> (STA. <u>13+77.79</u> TO <u>16+90.00</u> )	
	SSR = _____ (STA. _____ TO _____ )	

- LEGEND**
- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 2"
  - (B) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
  - (C) AGGREGATE SHOULDERS, TYPE A, 6"
  - (D) GUARDRAIL AGGREGATE EROSION CONTROL, 8"
  - (E) TRAFFIC BARRIER TERMINAL (SEE DETAIL SHEET)
  - (F) TOPSOIL FURNISH AND PLACE, 4" SEEDING (COMPLETE)
  - (G) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
  - (H) SUBBASE GRANULAR MATERIAL, TYPE A, 12"
  - (I) BITUMINOUS MATERIALS (PRIME COAT)
  - (J) POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

DESIGNED: RDH 6/14/2022 12:00:00 AM  
 DRAWN: RLA 6/14/2022 12:00:00 AM  
 REVIEWED: MGD 10/10/2022 12:00:00 AM

MODEL: typical  
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	PLOT DATE = 10/20/2022	DATE - 10/10/2022 12:00:00 AM	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PULSIFER ROAD</b>		CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>PROPOSED TYPICAL SECTIONS</b>		R23	20-00155-00-BR	PEORIA	37	8
		21L0103		CONTRACT NO. 89821		
SCALE: N/A	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



HMA PAVEMENT, ENTRANCE, AND SHOULDER SCHEDULE								
LOCATION		31100100	40200800	40600275	40600295	40603230	40604150	48100500
		SUBBASE GRANULAR MATERIAL, TYPE A	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE A 6"
BEGIN STATION	END STATION	TON	TON	POUND	POUND	TON	TON	SQ YD
PULSIFER ROAD								
13+77.79	15+00.45	56	20	183	235	18	37	144
15+66.45	16+90.00	62		201	230	20	36	173
FROM STRUCTURAL PLANS					190		73	
TOTAL		118	20	384	655	38	146	317

TEMPORARY DITCH CHECK AND PIPE PROTECTION SCHEDULE			
LOCATION		28000305	28000500
		TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
STATION	OFFSET	FOOT	EACH
PULSIFER ROAD			
13+91.32	26.04' LT	9	
13+91.38	26.74' RT		1
TOTAL		9	1

EARTHWORK SUMMARY						
LOCATION		20200100	20300100	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		EARTH EXCAVATION	CHANNEL EXCAVATION			
BEGIN STATION	END STATION	CU YD	CU YD	CU YD	CU YD	CU YD
PULSIFER RD.						
13+77.79	15+08.96	145		109	40	69
15+57.94	16+90.00	155		116	30	86
TOTAL		300	370	225	70	525

REMOVAL SCHEDULE				
LOCATION		44000100	63200310	X4401198
		PAVEMENT REMOVAL	GUARDRAIL REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
BEGIN STATION	END STATION	SQ YD	FOOT	SQ YD
PULSIFER ROAD				
13+77.79	15+00.45	89	89	246
15+66.45	16+90.00	96	85	225
TOTAL		185	174	471

TREE REMOVAL SCHEDULE		
LOCATION		20100110
		TREE REMOVAL (6 TO 15 UNITS DIAMETER)
STATION	OFFSET	UNIT
PULSIFER ROAD		
15+18.47	39.53' RT	10
TOTAL		10

GUARDRAIL SCHEDULE							
LOCATION			63100087	63100167	72501000	78200005	Z0001002
			TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL AGGREGATE EROSION CONTROL
BEGIN STATION	END STATION	SIDE	EACH	EACH	EACH	EACH	TON
PULSIFER ROAD							
14+16.91	14+92.05	LT	1	1	1	4	19
14+33.70	15+08.84	RT	1	1	1	4	19
15+58.05	16+33.19	LT	1	1	1	4	20
15+74.84	16+49.98	RT	1	1	1	4	20
TOTAL			4	4	4	16	78

PAVEMENT MARKING SCHEDULE			
LOCATION		78009004	78011025
		MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	GROOVING FOR RECESSED PAVEMENT MARKING 5"
BEGIN STATION	END STATION	FOOT	FOOT
PULSIFER ROAD			
13+77.79	16+90.00	1,249	1,249
TOTAL		1,249	1,249

TOPSOIL AND SEEDING SCHEDULE						
LOCATION		21101615	25100630	28000250	28000400	XX006343
		TOPSOIL FURNISH AND PLACE, 4"	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	SEEDING (COMPLETE)
BEGIN STATION	END STATION	SQ YD	SQ YD	POUND	FOOT	SQ YD
PULSIFER ROAD						
13+77.79	15+00.45	496	496	10	246	496
15+66.45	16+90.00	511	511	11	320	511
TOTAL		1,007	1,007	21	566	1,007



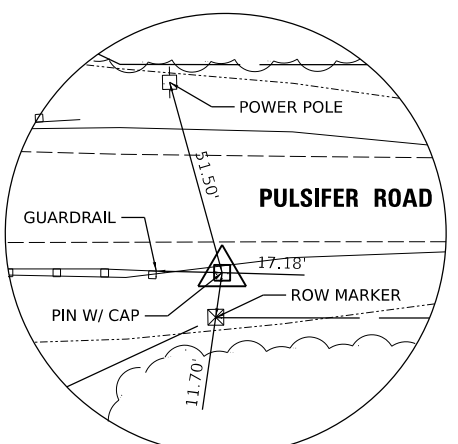
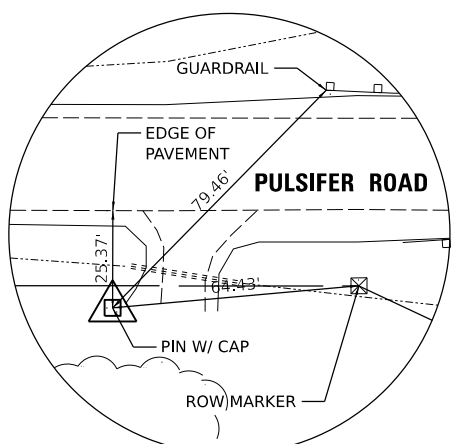
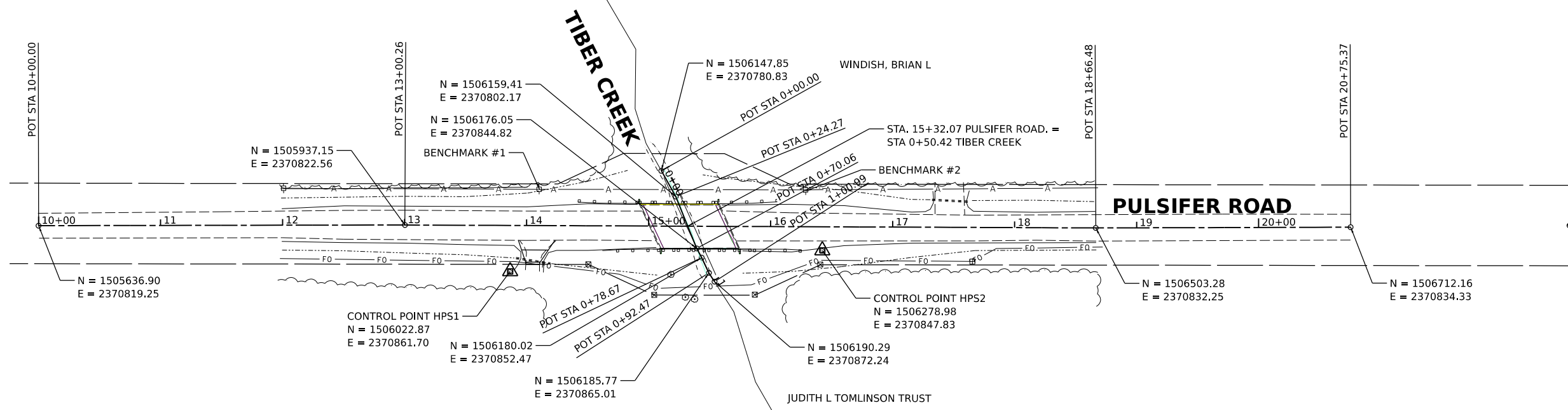
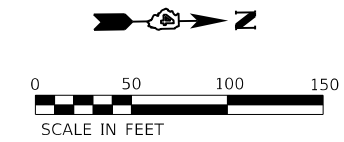
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	PLOT DATE = 10/20/2022	DATE - 10/10/2022 12:00:00 AM	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: N/A		SHEET OF SHEETS		STA. TO STA.		PULSIFER ROAD SCHEDULE OF QUANTITIES		CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								R23	20-00155-00-BR	PEORIA	37	9
								21L0103		CONTRACT NO. 89821		
								ILLINOIS FED. AID PROJECT				



BENCHMARK #1 STA. 14+10.63, 29.46' LT., ELEV. = 624.51  
COTTON SPINDLE IN THE EAST FACE OF THE  
1ST POWER POLE SOUTH OF BRIDGE ON THE  
WEST SIDE OF PULSIFER RD

BENCHMARK #2 STA. 16+28.67, 29.19' LT., ELEV. = 621.31  
COTTON SPINDLE IN THE EAST FACE OF THE  
1ST POWER POLE NORTH OF BRIDGE ON  
THE WEST SIDE OF PULSIFER RD

**RECOVERY TIE - STA. 13+86.64**  
CONTROL POINT HPS1 - PIN WITH CAP

**RECOVERY TIE - STA. 16+42.48**  
CONTROL POINT HPS2 - PIN WITH CAP

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		DATE - 10/10/2022 12:00:00 AM	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PULSIFER ROAD ALIGNMENT, BENCHMARKS, AND TIES</b>			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR 2110103	PEORIA	37	10
			CONTRACT NO. 89821	
ILLINOIS FED. AID PROJECT				

- ① **Pulsifer Rd**
- ② **NORTH** M3-1 24"x12"    ③ **SOUTH** M3-3 24"x12"
- ④ **DETOUR** M4-8 24"x18"    ⑤ **END DETOUR** M4-8a 24"x18"
- ⑥ **←** M5-1L 21"x15"    ⑦ **→** M5-1R 21"x15"
- ⑧ **↑** M6-3 21"x15"
- ⑨ **ROAD CLOSED** R11-2 48"x30"
- ⑩ **BRIDGE OUT 1 MILES AHEAD LOCAL TRAFFIC ONLY** R11-3b 60"x30"  
**DETOUR** M4-10R 48"x18"
- ⑪ **BRIDGE OUT 1.2 MILES AHEAD LOCAL TRAFFIC ONLY** R11-3b 60"x30"  
**← DETOUR** M4-10L 48"x18"
- ⑫ **ROAD CLOSED 500 FT** W20-3 36"x36"
- ⑬ **ROAD CLOSED 1000 FT** W20-3 36"x36"
- ⑭ **DETOUR AHEAD** W20-2 36"x36"
- ⑮ **ROAD CLOSED 2.5 MILES** W20-3 36"x36"
- ⑯ **ROAD CLOSED 1 MILE** W20-3 36"x36"
- ⑰ **→** M6-1R 21"x15"    ⑱ **←** M6-1L 21"x15"



NOTE:  
 SIGN COLORS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD.

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 REVIEWED: MGD 10/10/2022 12:00:00 AM

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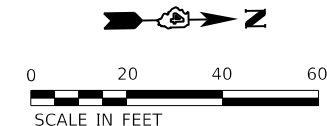
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD  
 DETOUR PLAN**

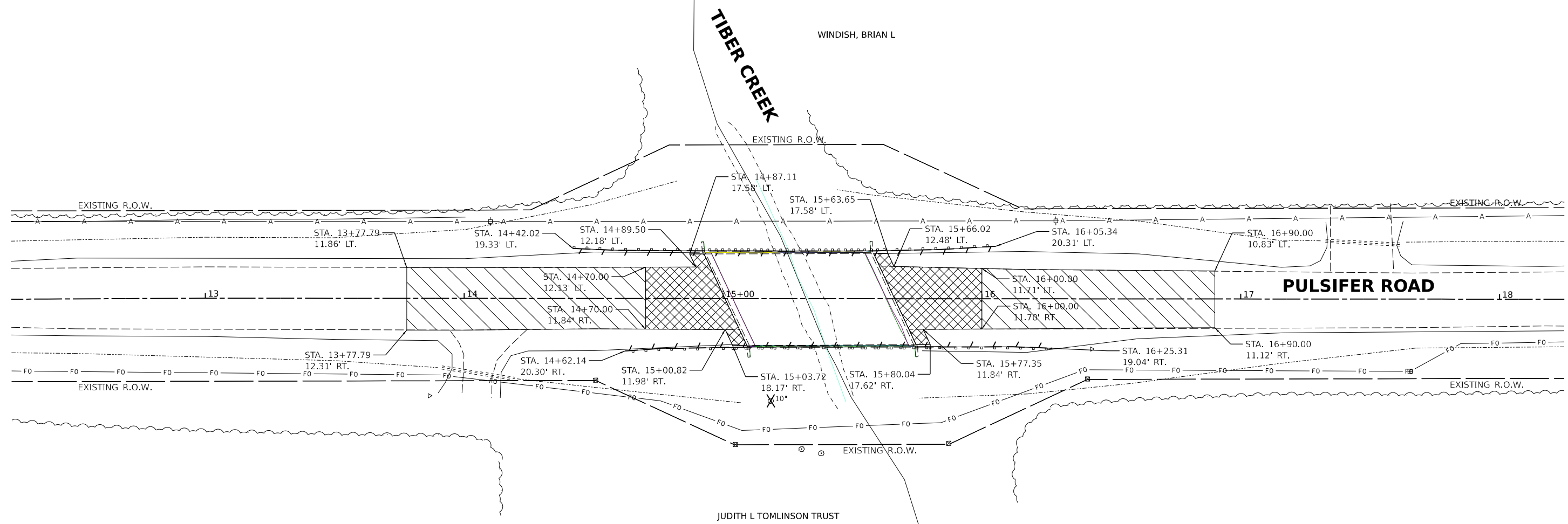
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CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	11
21L0103		CONTRACT NO. 89821		

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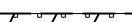



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**NOTE:**  
 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH - SURFACE SHALL BE REMOVED TO 2" BELOW THE PROPOSED PROFILE AT THE PROPOSED BASELINE. THE EXISTING SURFACE SHALL BE REMOVED TO DEVELOP THE PROPOSED CROSS SLOPE AS SHOWN IN THE TYPICAL SECTIONS.

**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	PAVEMENT REMOVAL
	GUARDRAIL REMOVAL
	TREE REMOVAL

DESIGNED RDH 6/14/2022 12:00:00 AM  
 DRAWN RLA 6/14/2022 12:00:00 AM  
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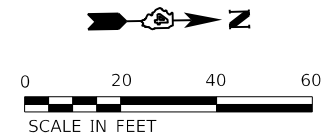
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD**  
**REMOVAL PLAN**

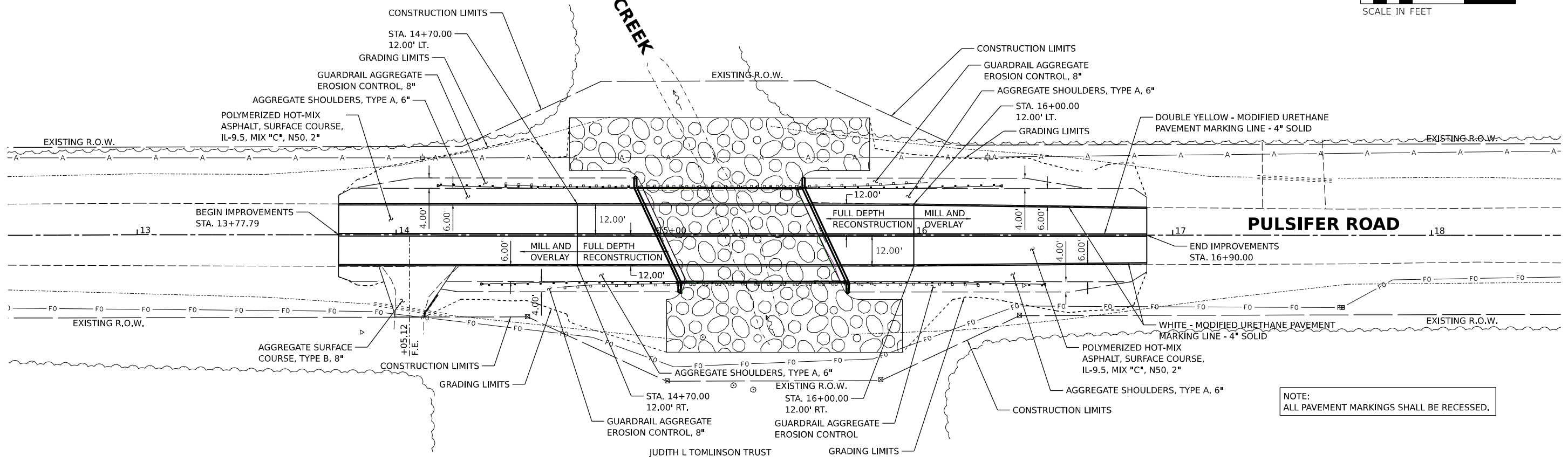
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21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				

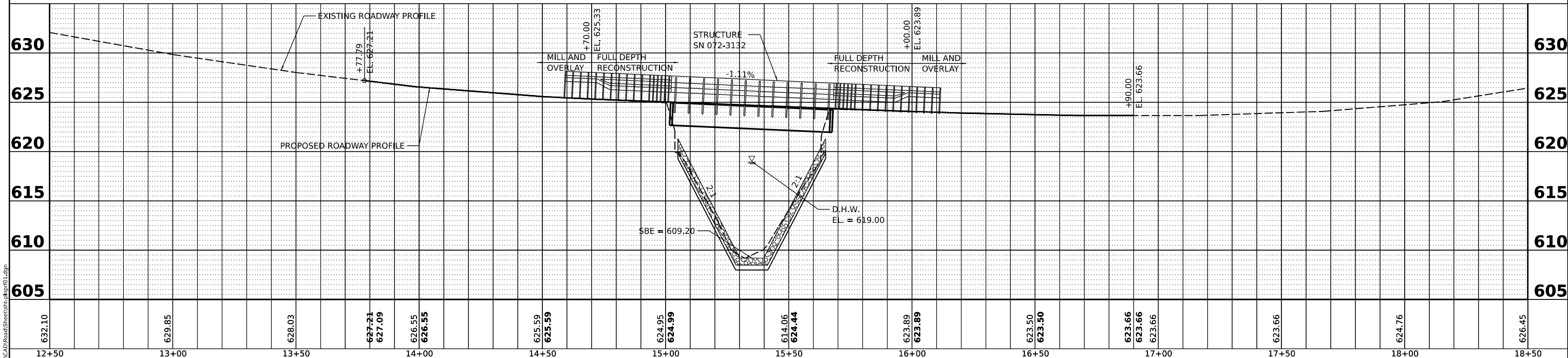


WINDISH, BRIAN L

TIBER CREEK



NOTE:  
ALL PAVEMENT MARKINGS SHALL BE RECESSED.



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

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

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12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50				
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PLOT DATE = 10/20/2022				SCALE: 1" = 20'				SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 89821				
ILLINOIS FED. AID PROJECT																



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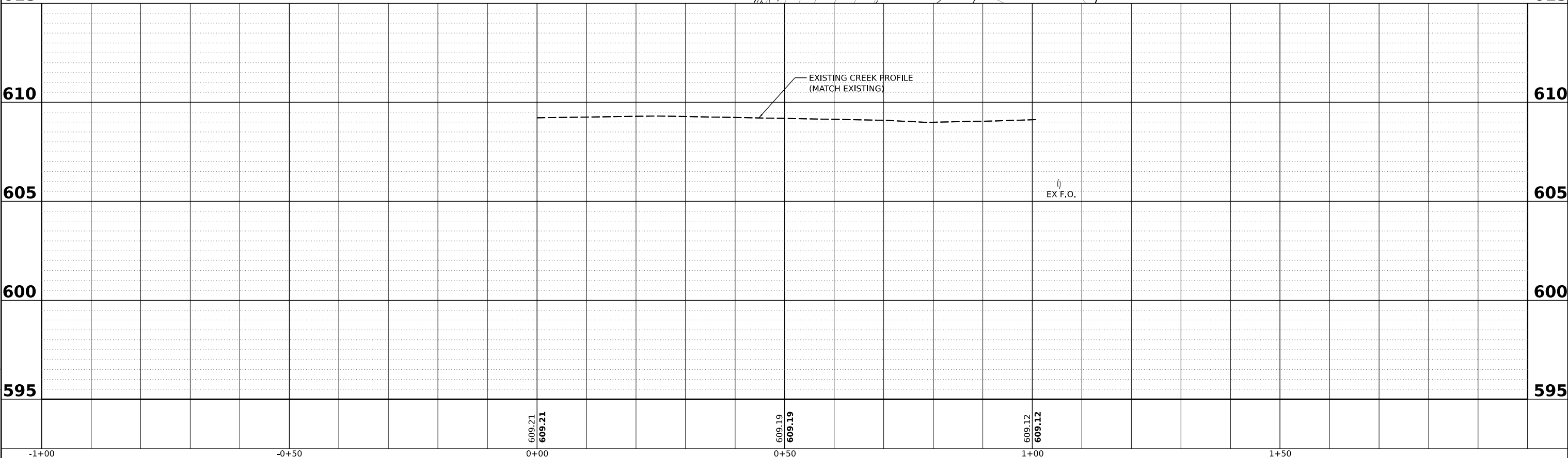
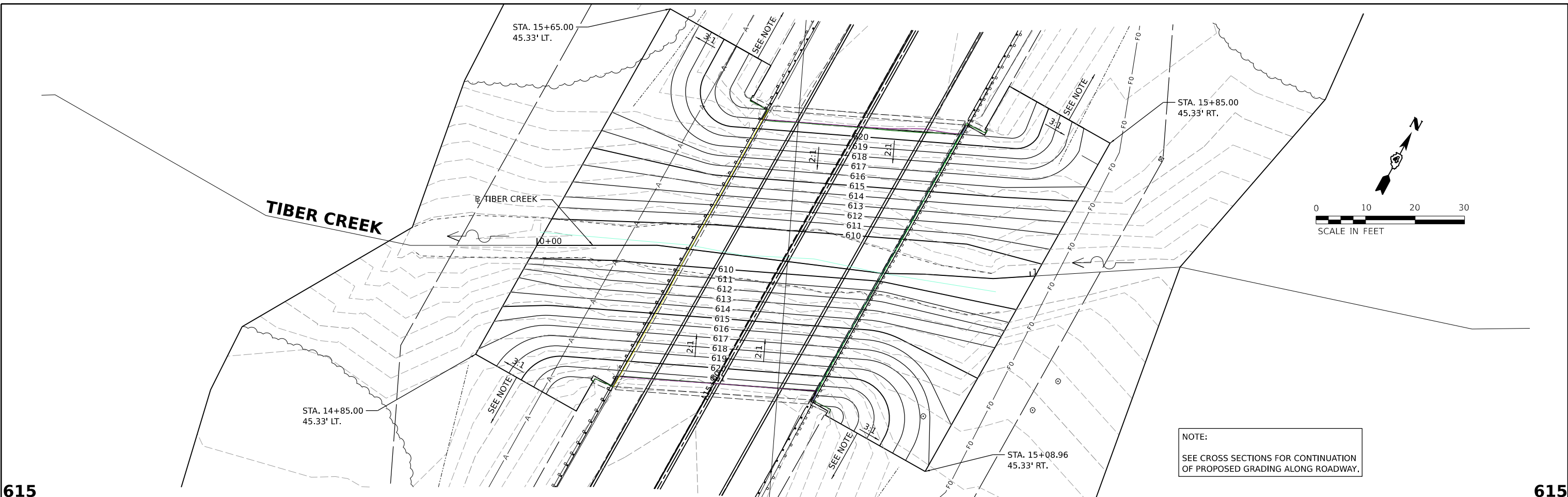
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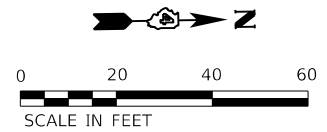
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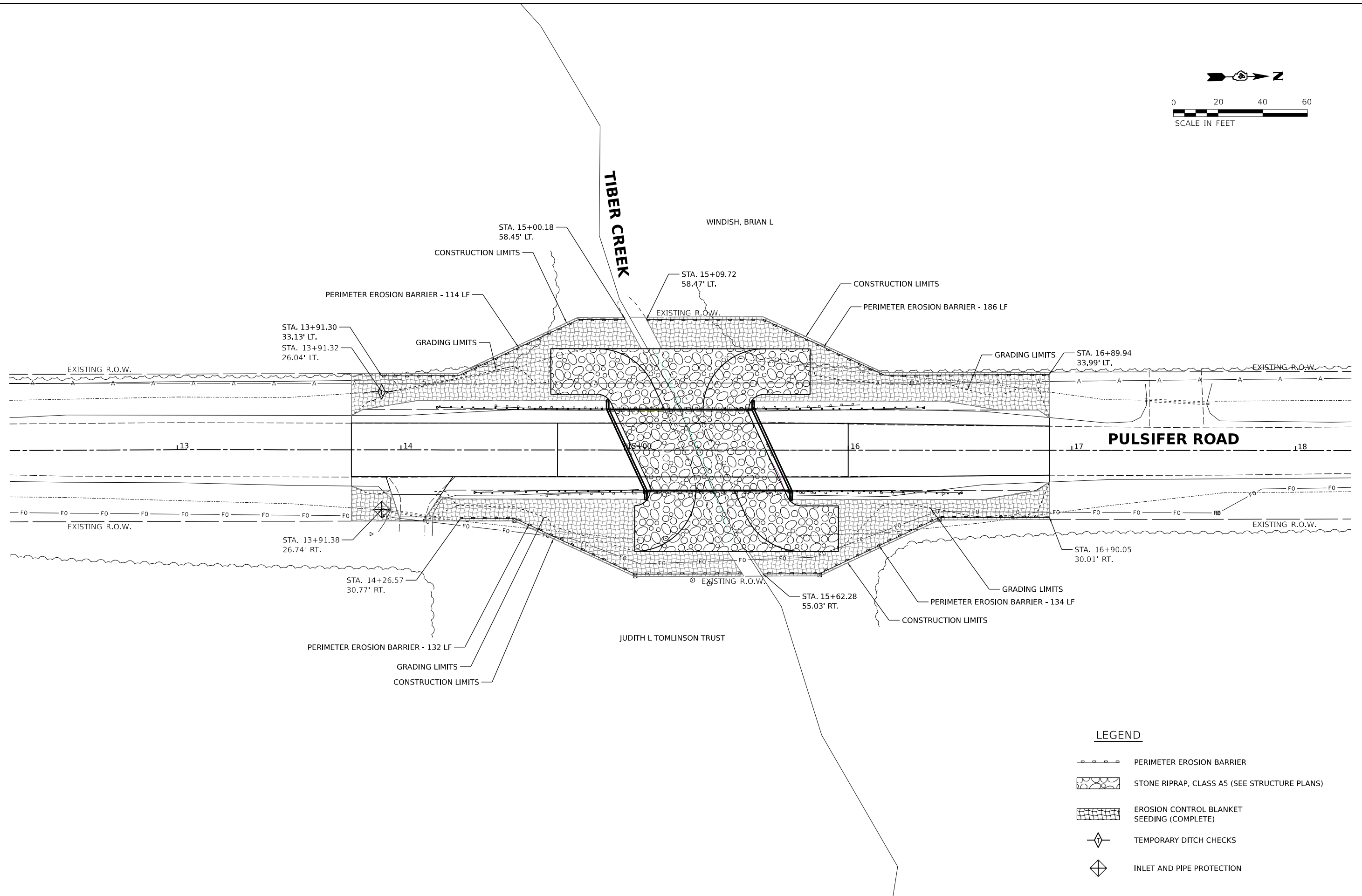
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	PLOT SCALE: 0.16666667 / in.	CHECKED - MGD	REVISED -		SCALE: 1" = 10'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 89821		
	PLOT DATE: 10/20/2022	DATE: 10/10/2022 12:00:00 AM	REVISED -		ILLINOIS FED. AID PROJECT					



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**LEGEND**

- PERIMETER EROSION BARRIER
- STONE RIPRAP, CLASS A5 (SEE STRUCTURE PLANS)
- EROSION CONTROL BLANKET SEEDING (COMPLETE)
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION

DESIGNED RDH 6/14/2022 12:00:00 AM  
 DRAWN RLA 6/14/2022 12:00:00 AM  
 REVIEWED MGD 10/10/2022 12:00:00 AM  
 MODEL: PUL\_R112 - Plan 2  
 FILE NAME: R21003R210103CADRoadSheet.dwg

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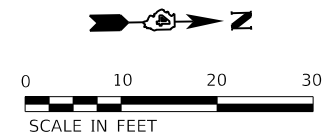
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD**  
**EROSION CONTROL PLAN**

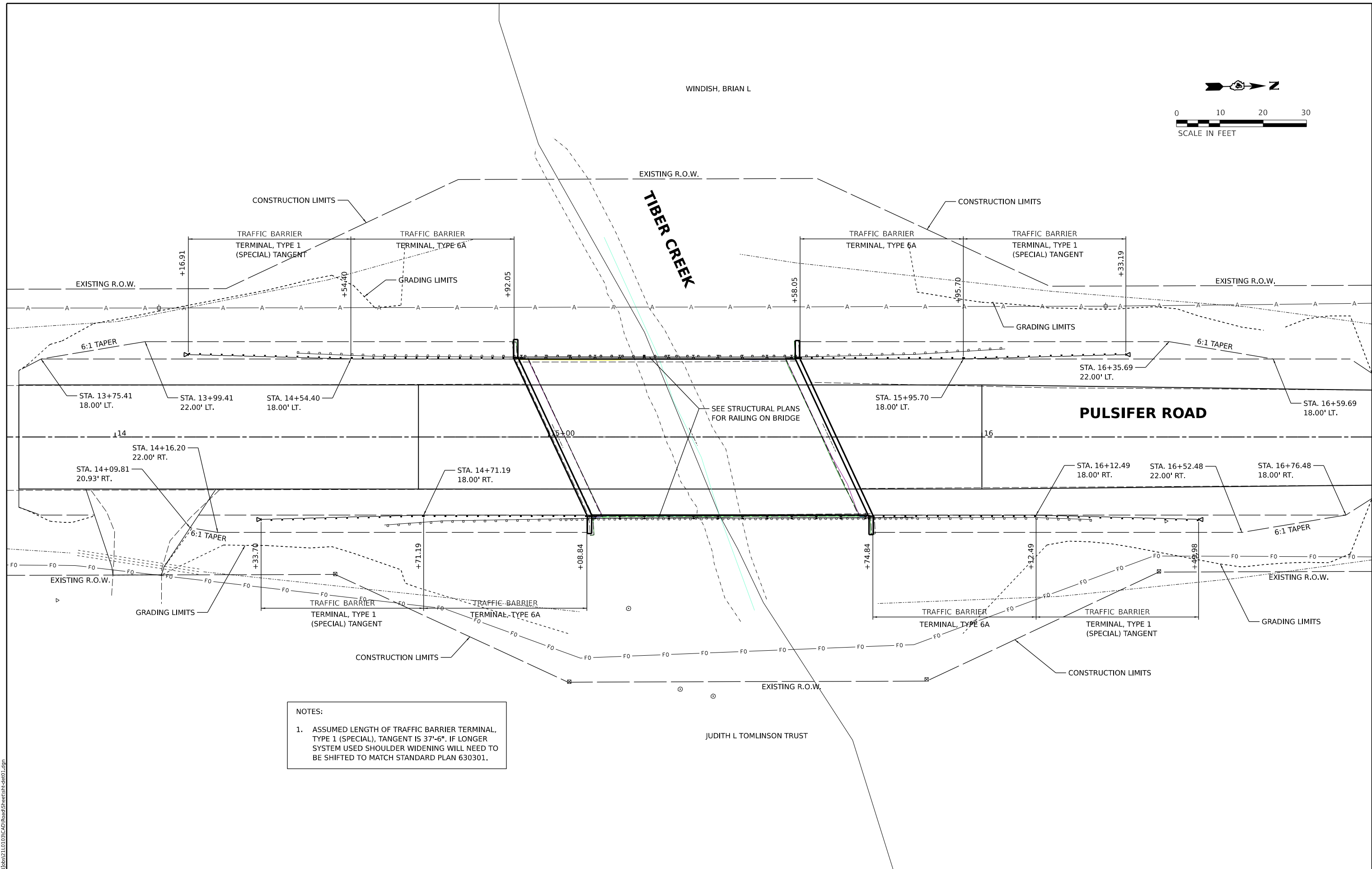
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CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	15
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				

WINDISH, BRIAN L



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NOTES:  
 1. ASSUMED LENGTH OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), TANGENT IS 37'-6". IF LONGER SYSTEM USED SHOULDER WIDENING WILL NEED TO BE SHIFTED TO MATCH STANDARD PLAN 630301.

DESIGNED RDH 6/14/2022 12:00:00 AM  
 DRAWN RLA 6/14/2022 12:00:00 AM  
 REVIEWED MGD 10/10/2022 12:00:00 AM

MODEL: PUL\_Rail\_Plan\_1  
 FILE NAME: R2110103\CAD\RoadSheet\sheet-ds01.dgn

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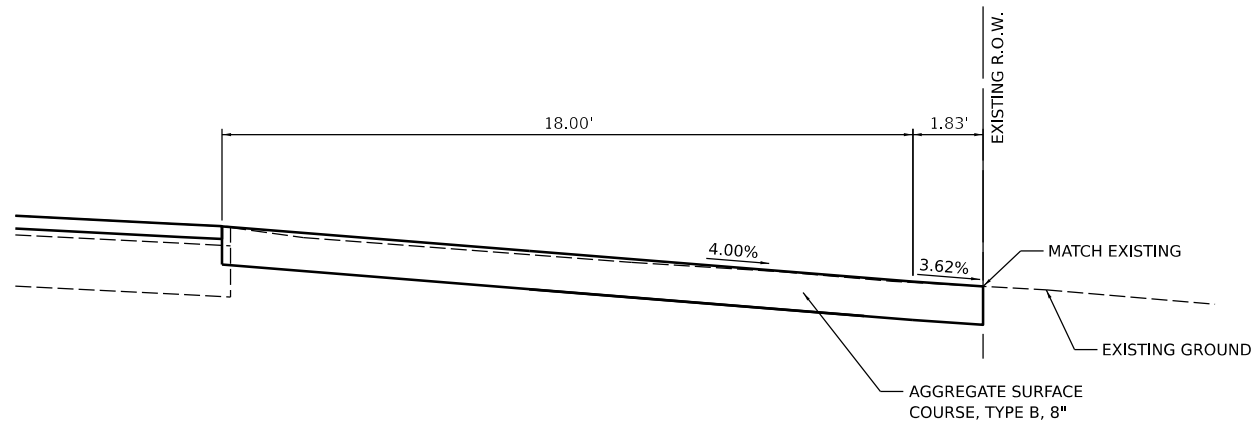
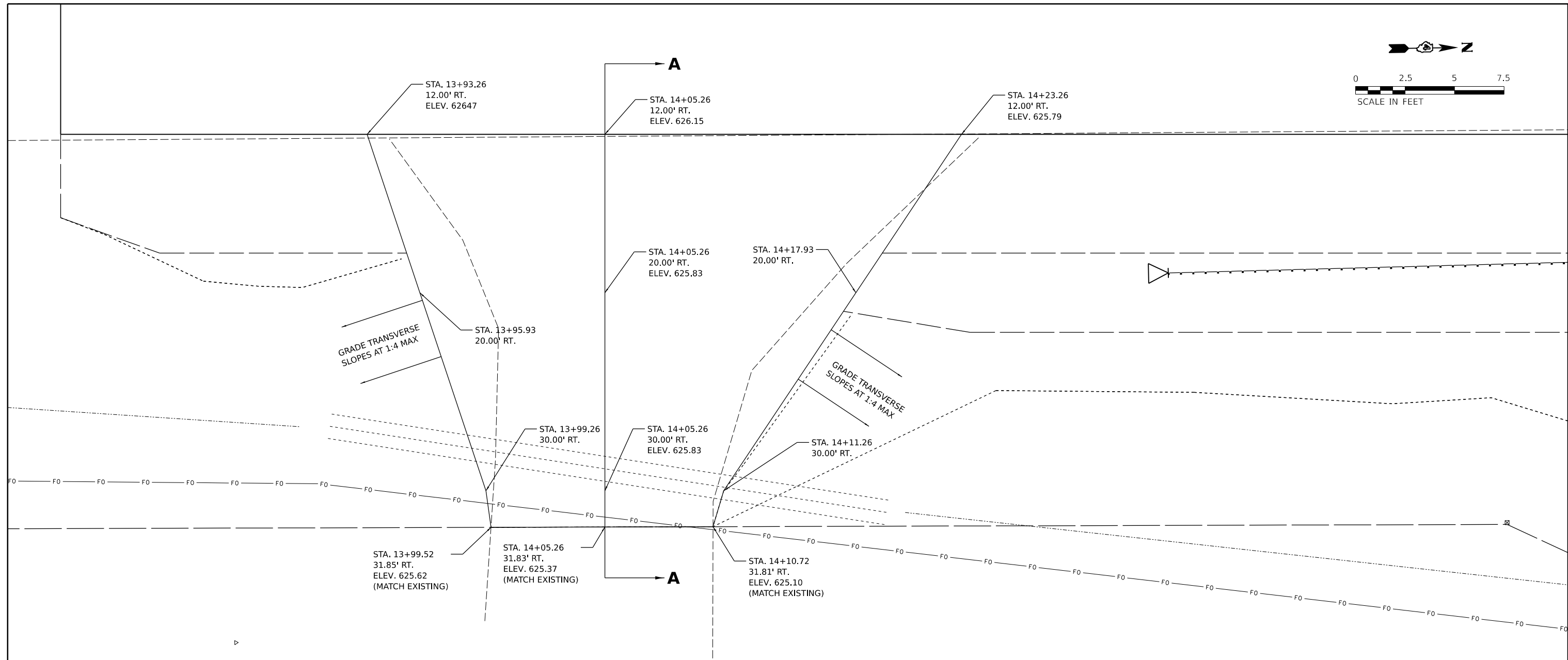
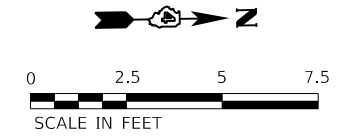
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PULSIFER ROAD  
 GUARDRAIL DETAIL

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	16
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				





**SECTION A-A**

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DESIGNED RDH 6/15/2022 12:00:00 AM  
 DRAWN RLA 6/15/2022 12:00:00 AM  
 REVIEWED MGD 10/10/2022 12:00:00 AM

MODEL: PUL\_RLA\_Plan\_1  
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	PLOT DATE = 10/20/2022	DATE - 10/10/2022 12:00:00 AM	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD**  
**ENTRANCE DETAIL**

SCALE: 1" = 2.5' SHEET OF SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	17
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				

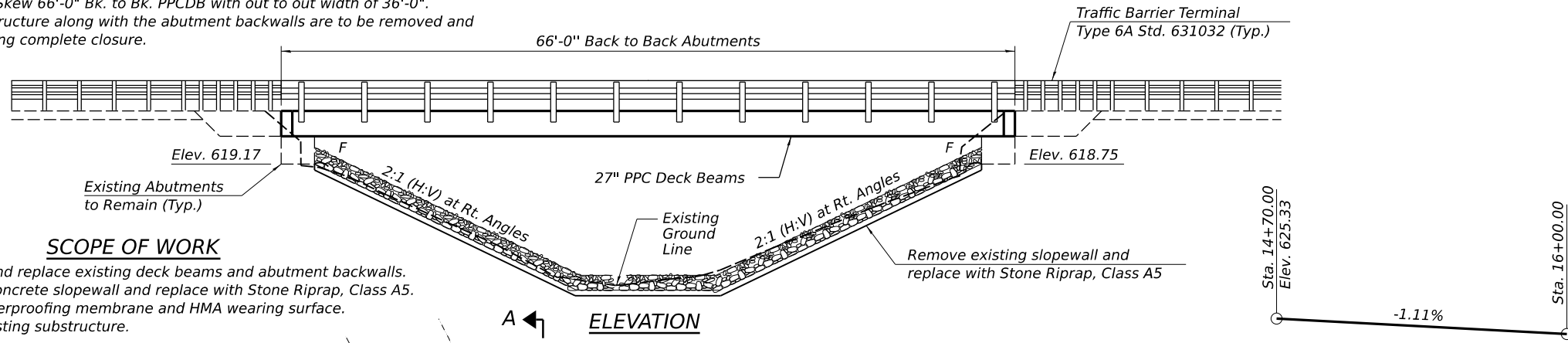
B.M. #1 - Cotton spindle in East face of power pole. 1st pole South of bridge. West side of road. Elev. 624.51  
 B.M. #2 - Cotton spindle in East face of power pole. 1st pole North of bridge. West side of road. Elev. 621.31

Existing Structure (No. 072-3132):

Original structure was constructed in 1994 and consist of a single span with a 25° Rt. Fwd. Skew 66'-0" Bk. to Bk. PPCDB with out to out width of 36'-0".

The Superstructure along with the abutment backwalls are to be removed and replaced during complete closure.

No Salvage.



**SCOPE OF WORK**

1. Remove and replace existing deck beams and abutment backwalls.
2. Remove concrete slopewall and replace with Stone Riprap, Class A5.
3. Install waterproofing membrane and HMA wearing surface.
4. Repair existing substructure.

**LOADING HL-93 (NEW CONST.)**

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

**DESIGN SPECIFICATIONS (NEW CONST.)**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**

FIELD UNITS (NEW CONST.)

$f_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

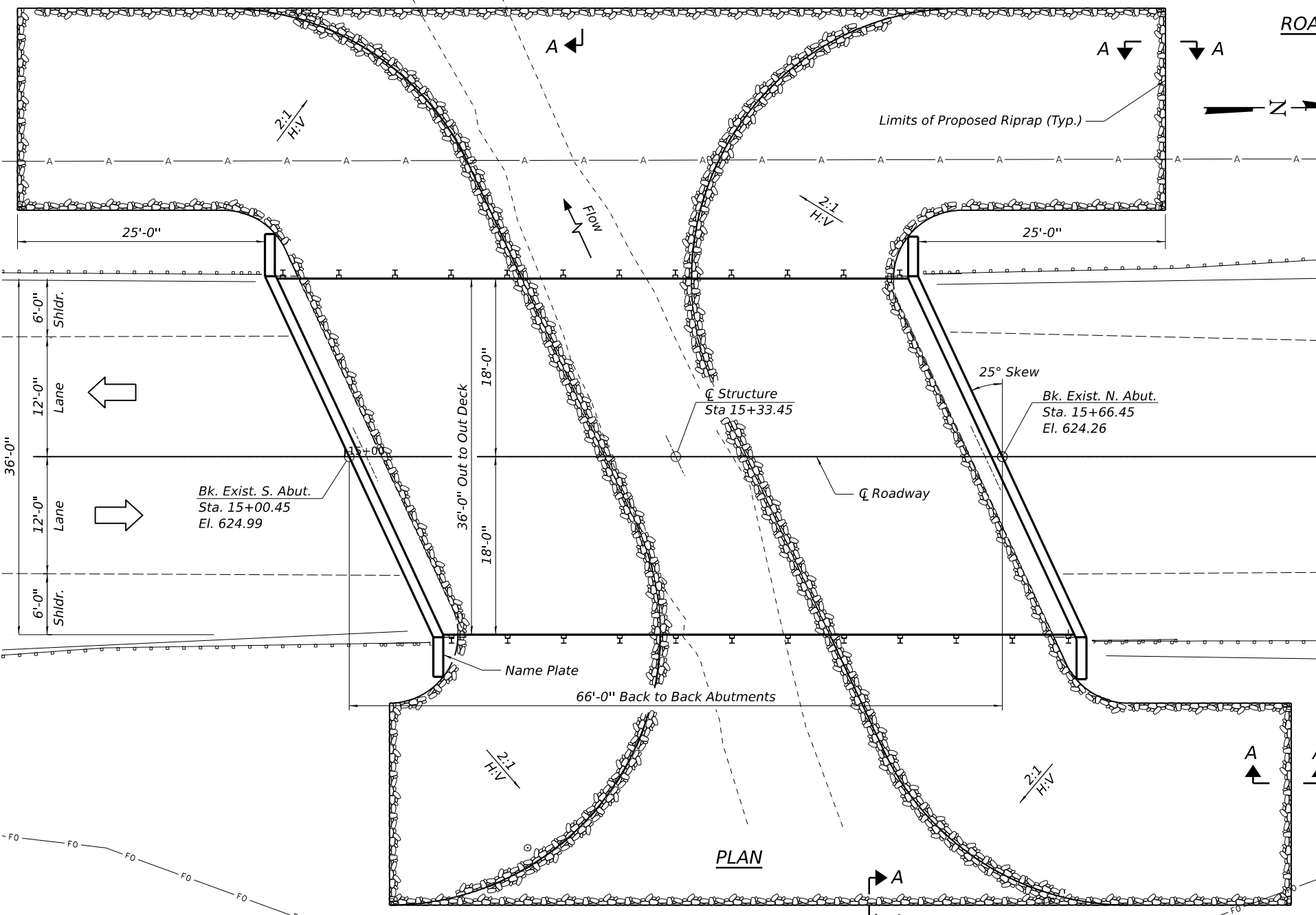
FIELD UNITS (EXIST. CONST.)

$f_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**PRECAST PRESTRESSED UNITS (NEW CONST.)**

$f_c = 6,000$  psi  
 $f_{ci} = 5,000$  psi  
 $f_{pu} = 270,000$  psi ( $\frac{1}{2}$ "  $\emptyset$  low lax Strands)  
 $f_{pbt} = 201,960$  psi ( $\frac{1}{2}$ "  $\emptyset$  low lax Strands)  
 $f_y = 60,000$  psi (Reinforcement)

**ROADWAY PROFILE**



**WATERWAY INFORMATION**

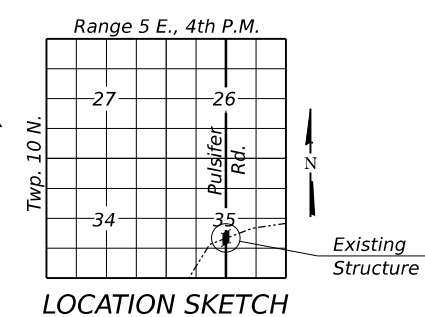
Drainage Area = 5.11 Sq. Mi.		Low Grade Elev. 623.69 @ Sta. 11+60							
Flood	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E.	Exist. Prop.	Exist.	Prop.	
10	10	1140	253	253	618.4	0.1	0.1	618.5	618.5
Design	20	1445	285	285	619.0	0.2	0.2	619.2	619.2
50	50	1810	323	323	619.7	0.3	0.3	620.0	620.0
Base	100	2120	349	349	620.2	0.5	0.5	620.7	620.7
500	500	2870	394	394	621.0	1.1	1.1	622.1	622.1

**DESIGN SCOUR ELEVATION TABLE**

Event/Limit State	Design Scour Elev. (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	619.17	618.75	8
Q200	619.17	618.75	
Design	619.17	618.75	
Check	619.17	618.75	

Professional Engineer  
 JARED G. THOELE  
 081-007841  
 STATE OF ILLINOIS  
 Signature: *Jared Thoele*  
 10/14/2022  
 DATE  
 LIC. EXP. DATE: 11/30/2024

I certify that to the best of 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.



**GENERAL PLAN**  
**PULSIFER ROAD OVER TIBER CREEK**  
**SECTION 20-00155-00-BR**  
**PEORIA COUNTY**  
**STATION 15+33.45**  
**STRUCTURE NO. 072-3132**



MODEL: D:\default  
 FILE NAME: R21\Job\2110103\CAD\Struct\Sheet001\_General Plan.dgn  
 DESIGNED - C. PUZEY  
 DRAWN - R. JOHNSON  
 CHECKED - J. THOELE  
 PLOT DATE - 8/8/2022

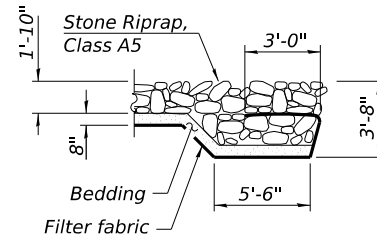
**INDEX OF SHEETS**

1. General Plan
2. General Data
3. Superstructure
4. 27" PPC Deck Beams
5. 27" PPC Deck Beam Details
6. Steel Railing Details, Type SM with HMA Surface
7. South Abutment Details
8. North Abutment Details

TIBER CREEK  
REBUILT 202\_  
PEORIA COUNTY  
SEC. 20-00155-00-BR  
STATION 15+33.45  
LOADING HL-93  
STRUCTURE NO. 072-3132

**NAME PLATE**  
See Std. 515001

Note:  
The existing name plate shall be cleaned and relocated adjacent to the new plate.  
Cost included in Name Plates.



**SECTION A-A**

**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Repair of the substructure shall be completed prior to the placement of the new beams.

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

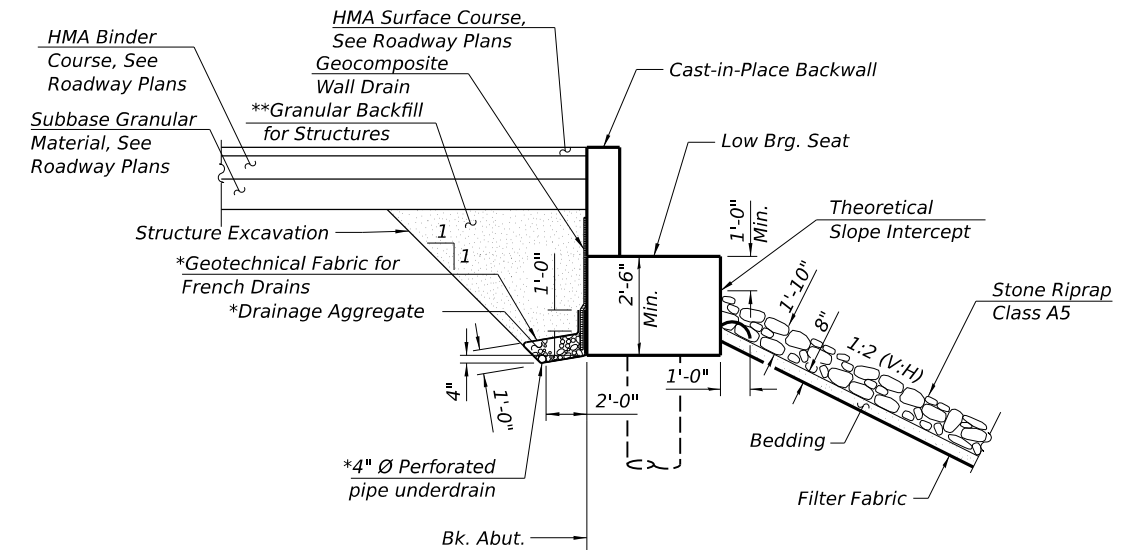
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

The cost of removal of existing railing and removal of existing wearing surface shall be included in the cost of Removal of Existing Superstructures.

The final lift of the HMA Wearing Surface shall have a minimum thickness of 2" across the full area of the structure.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.	-	882	882
Filter Fabric	Sq. Yd.	-	882	882
Polymerized Bituminous Materials (Tack Coat)	Pound	190	-	190
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "C", N50	Ton	73	-	73
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	-	8.0	8.0
Slope Wall Removal	Sq. Yd.	-	1076	1076
Structure Excavation	Cu. Yd.	-	96	96
Concrete Structures	Cu. Yd.	-	9.7	9.7
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	2297	-	2297
Reinforcement Bars, Epoxy Coated	Pound	-	1580	1580
Steel Railing, Type SM	Foot	132	-	132
Name Plates	Each	1	-	1
Waterproofing Membrane System	Sq. Yd.	264	-	264
Portland Cement Mortar Fairing Course	Foot	702	-	702
Granular Backfill for Structures	Cu. Yd.	-	86	86
Geocomposite Wall Drain	Sq. Yd.	-	53	53
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. Ft.	-	5	5
Pipe Underdrains for Structures 4"	Foot	-	129	129



**SECTION THRU ABUT.**

(Horiz. Dim. @ Rt. L's)

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

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

\*\* Granular Backfill for Structures shall be placed and compacted according to Section 502.10 of the Standard Specifications.



DESIGNED	DRAWN	REVIEWED

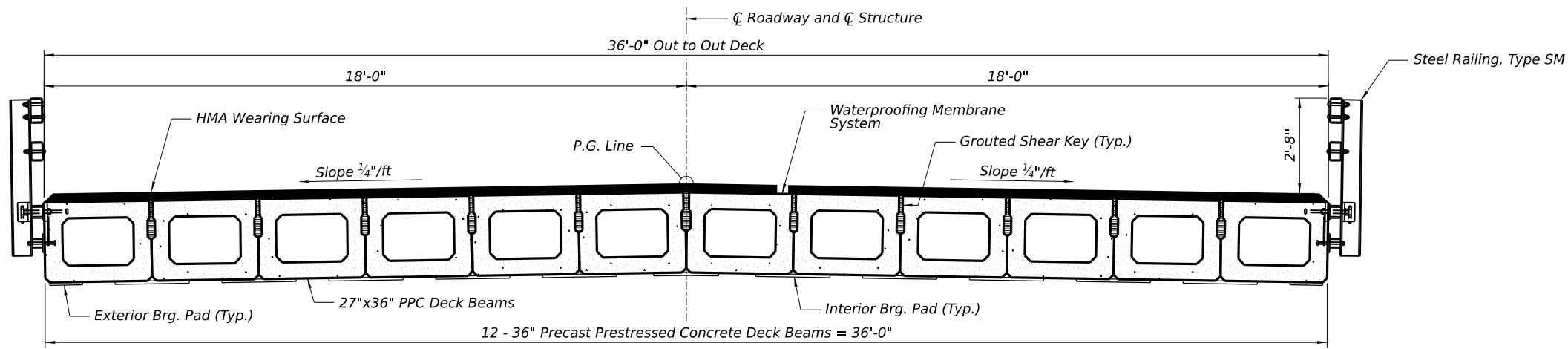
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		DRAWN - R. JOHNSON	REVISED -
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	PLOT DATE = 10/20/2022	DATE - 6/30/2022 12:00:00	REVISED -

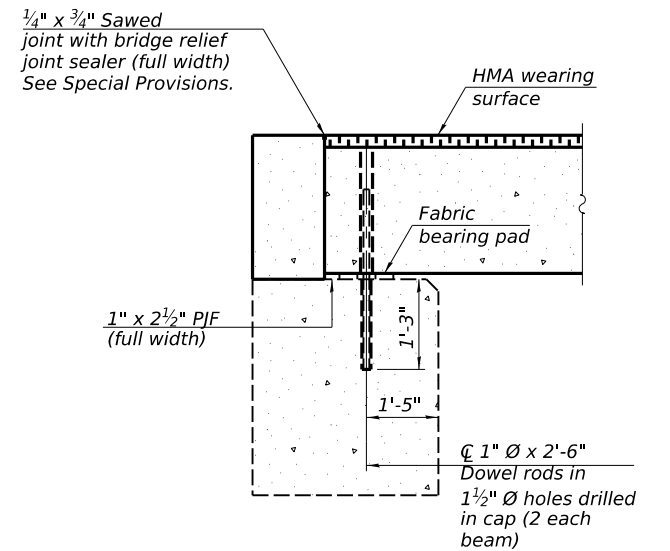
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL DATA</b>			
<b>STRUCTURE NO 072-3132</b>			
SCALE:	SHEET 2	OF 8 SHEETS	STA. TO STA.

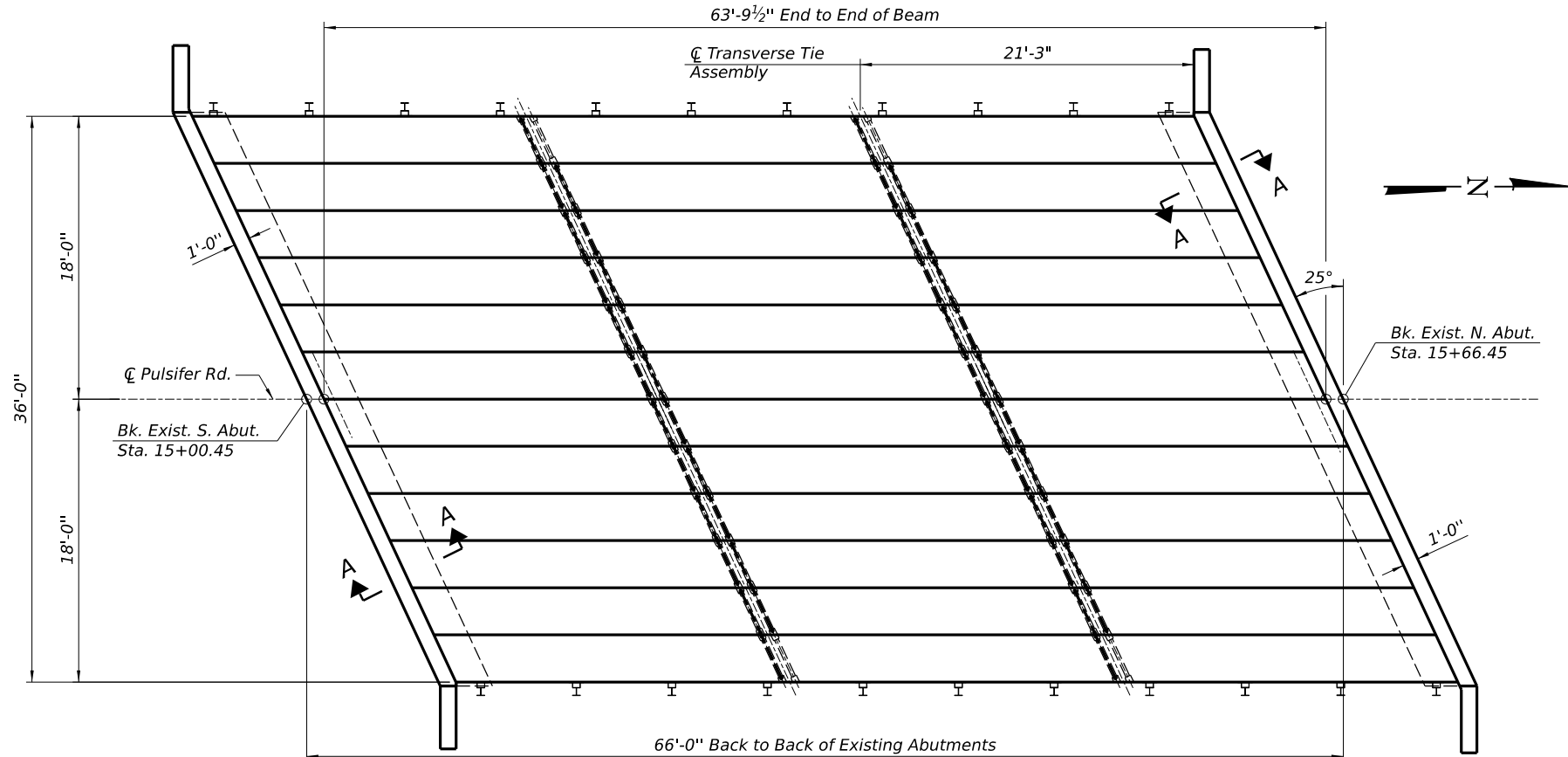
CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	2110103	CONTRACT NO.	89821	
		ILLINOIS	FED. AID PROJECT	



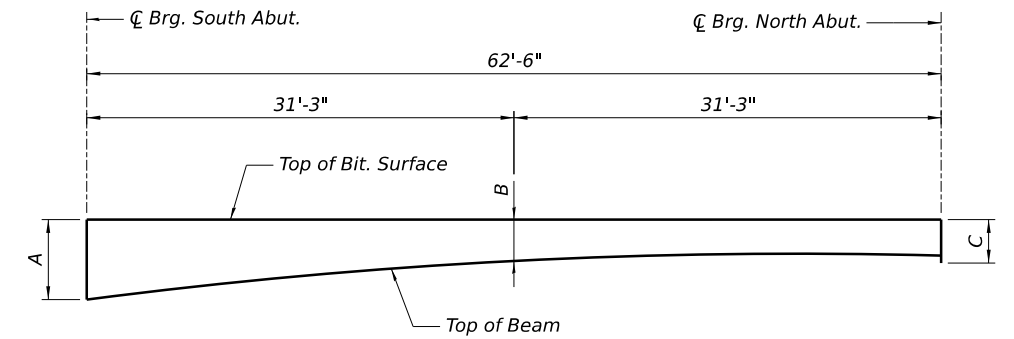
**DECK CROSS SECTION**  
 (Looking North)



**SECTION A-A**  
 (Dimensions are at Rt. L's)

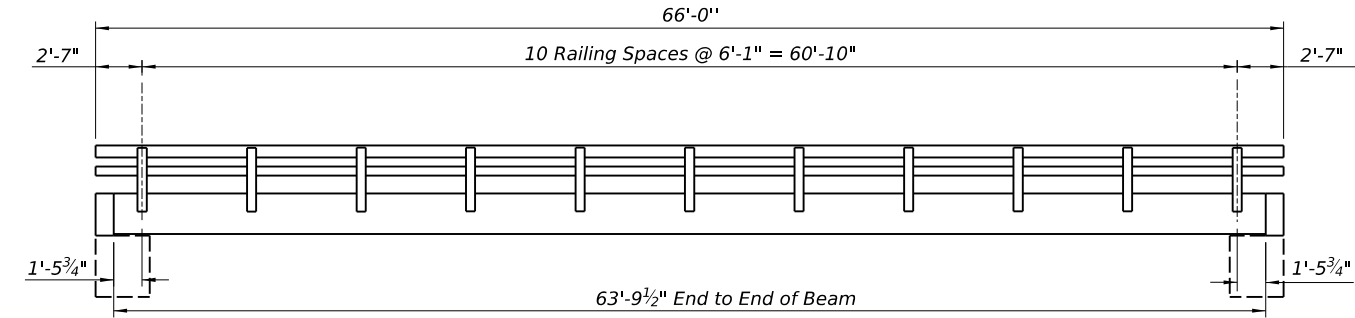


**PLAN - DECK BEAMS**



**ANTICIPATED HMA WEARING SURFACE PROFILE**

	A	B	C
W. Edge	8 3/4"	5 1/2"	5"
Midspan	6 1/2"	3 3/4"	3 1/4"
E. Edge	6"	3 1/4"	2 3/4"



**RAILING ELEVATION**  
 (Dimensions are measured along face of beam)

DESIGNED	
DRAWN	
REVIEWED	

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		DATE - 6/30/2022 12:00:00	REVISED -

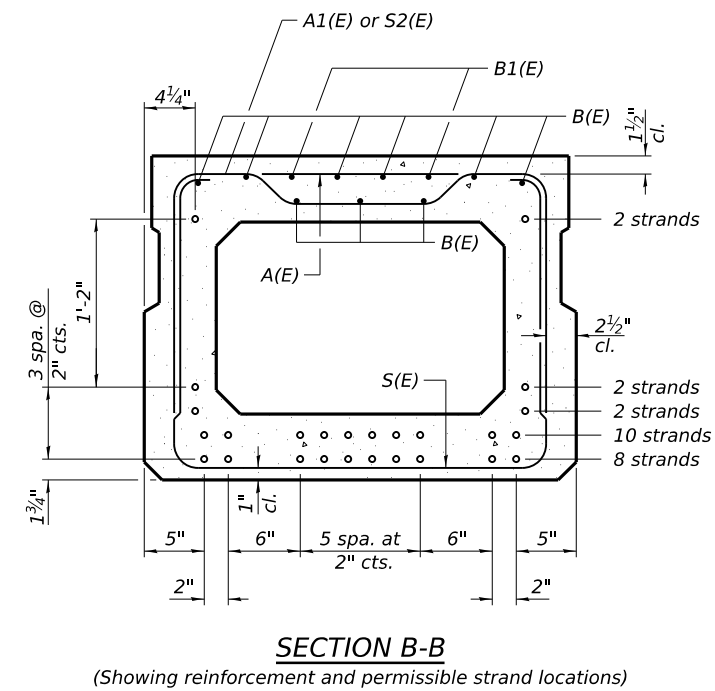
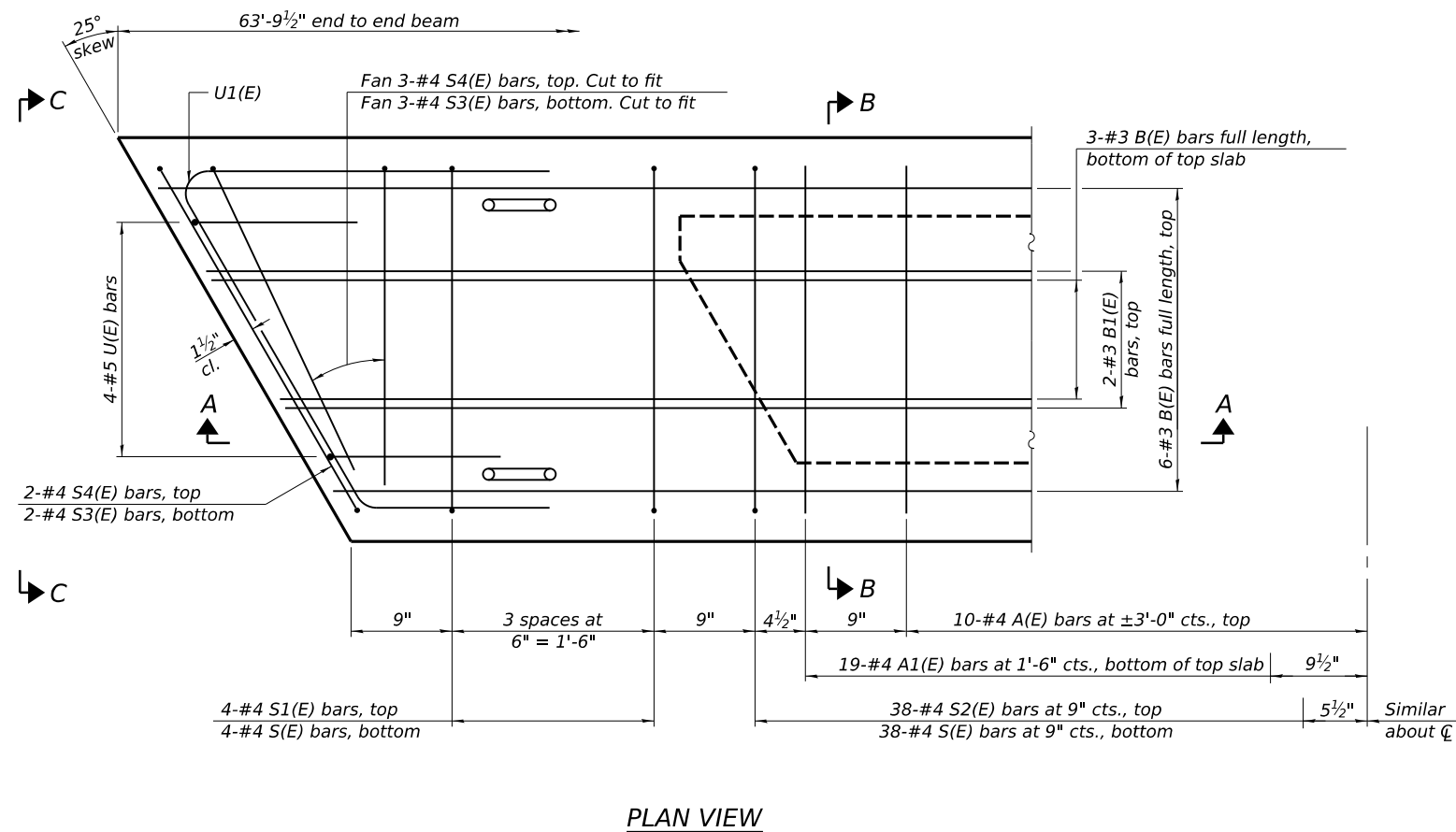
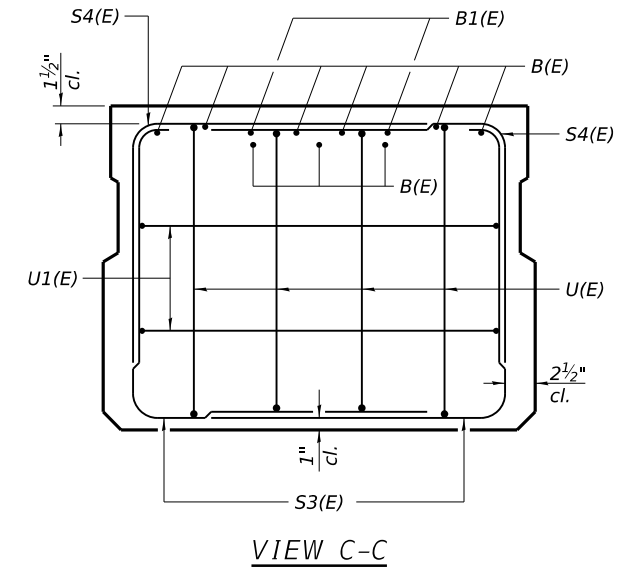
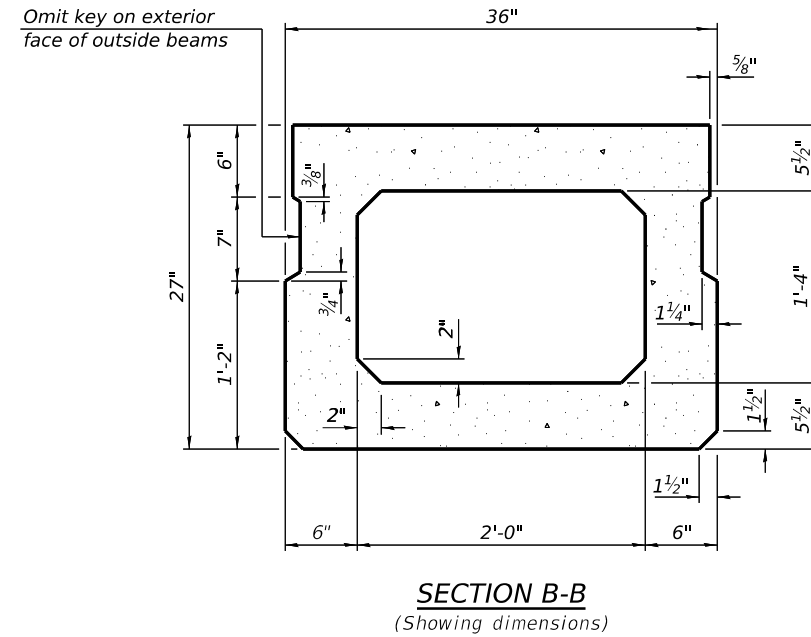
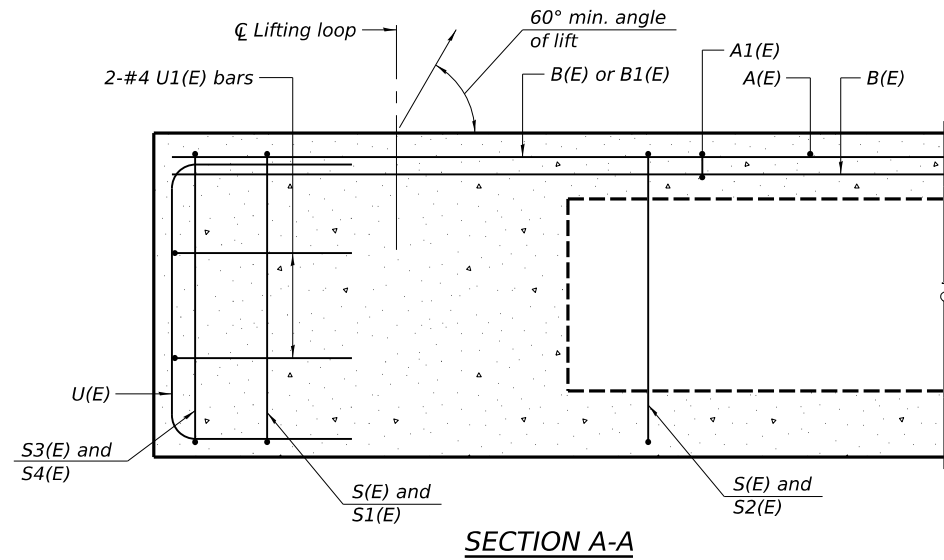
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE**  
**STRUCTURE NO 072-3132**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	20
2110103		CONTRACT NO. 89821		

ILLINOIS FED. AID PROJECT



**BAR LIST**  
**ONE BEAM ONLY**  
 (For information only)

Bar	No.	Size	Length	Shape
A(E)	19	#4	2'-7"	—
A1(E)	38	#4	2'-10"	—
B(E)	27	#3	22'-3"	—
B1(E)	4	#3	10'-0"	—
S(E)	84	#4	7'-5"	⌋
S1(E)	8	#4	5'-11"	⌋
S2(E)	76	#4	6'-2"	⌋
S3(E)	10	#4	5'-3"	⌋
S4(E)	10	#4	4'-6"	⌋
U(E)	8	#5	4'-6"	⌋
U1(E)	4	#4	6'-5"	⌋

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.

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

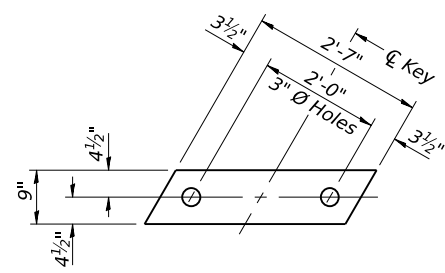
**MINIMUM BAR LAP**  
 #3 bar = 1'-6"

Note:  
 See sheet 5 of 8 for additional details and Bill of Material.

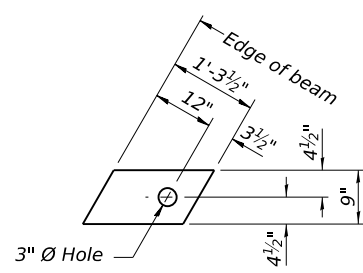
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 DRAWN: R. JOHNSON 2022 12:00:00 AM  
 REVIEWED: J. THOELE 2022 12:00:00 AM

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FINAL	USER NAME = ander00846	DESIGNED - C. PUZEY	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>27" X 36" DECK BEAM STRUCTURE NO 072-3132</b>		CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.1667' / in.	DRAWN - R. JOHNSON	REVISED -		R23	20-00155-00-BR	PEORIA	37	21		
	PLOT DATE = 10/20/2022	CHECKED - J. THOELE	REVISED -			2110103				CONTRACT NO.	89821
		DATE - 6/30/2022 12:00:00	REVISED -		SCALE:	SHEET 4	OF 8 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT



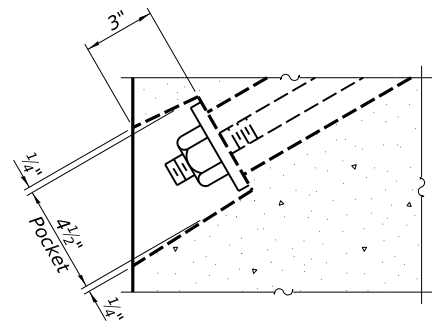
**FABRIC BEARING PAD**  
(Interior)



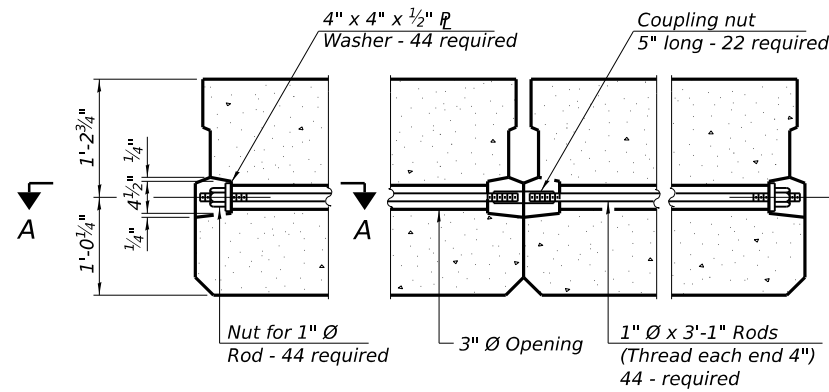
**FABRIC BEARING PAD**  
(Exterior)

**FIXED**

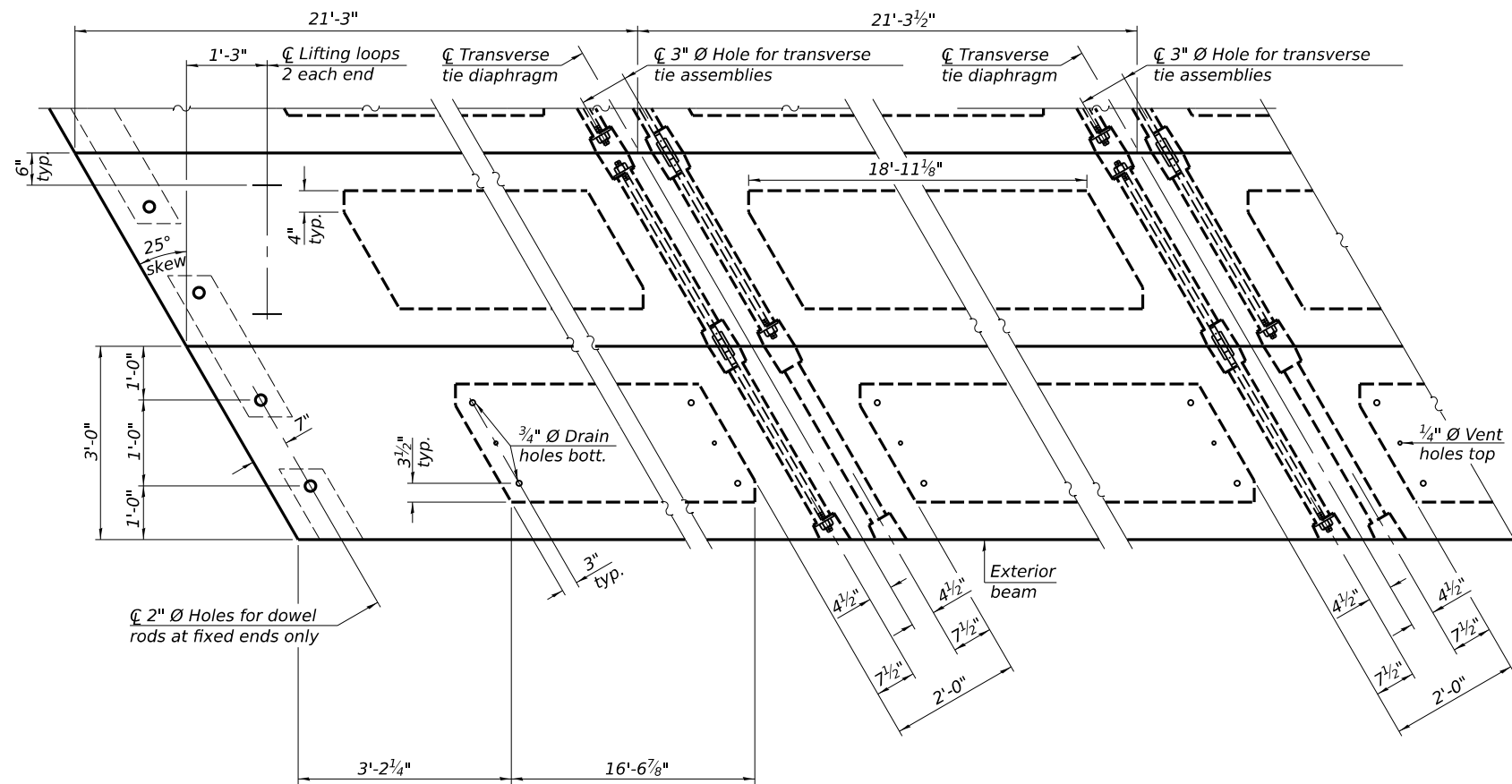
Notes:  
 All bearing pads shall be 1" thick.  
 Omit holes when using expansion bearings.  
 Expansion bearing pad shall be bonded to the substructure.



**SECTION A-A**



**TYPICAL TRANSVERSE TIE ASSEMBLY**

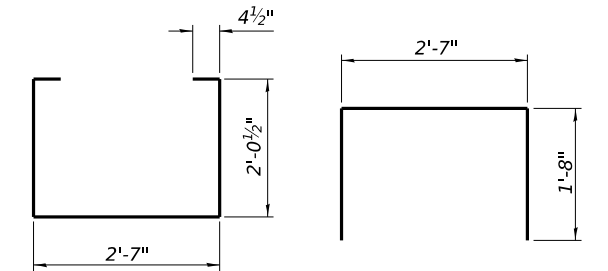


**PLAN VIEW**

**NOTES**

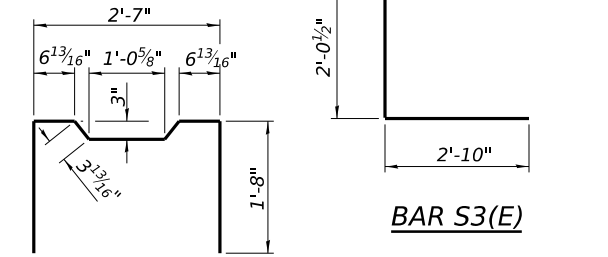
Note: Connect beams in pairs with the transverse tie configuration shown.

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" diameter 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.



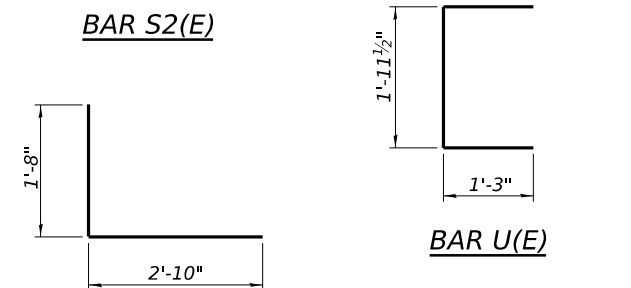
**BAR S1(E)**

**BAR S(E)**



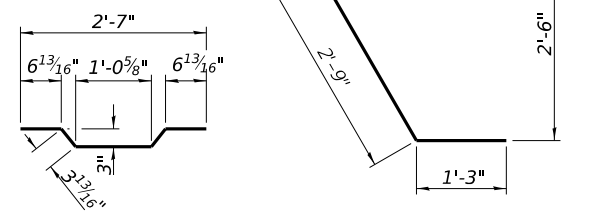
**BAR S2(E)**

**BAR S3(E)**



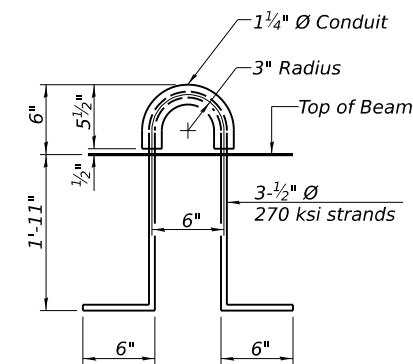
**BAR S4(E)**

**BAR U(E)**



**BAR A1(E)**

**BAR U1(E)**



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	2297
---	---------	------

DESIGNED: C. PUZEY/2022 12:00:00 AM  
 DRAWN: R. JOHNSON/2022 12:00:00 AM  
 REVIEWED: J. THOELE/2022 12:00:00 AM

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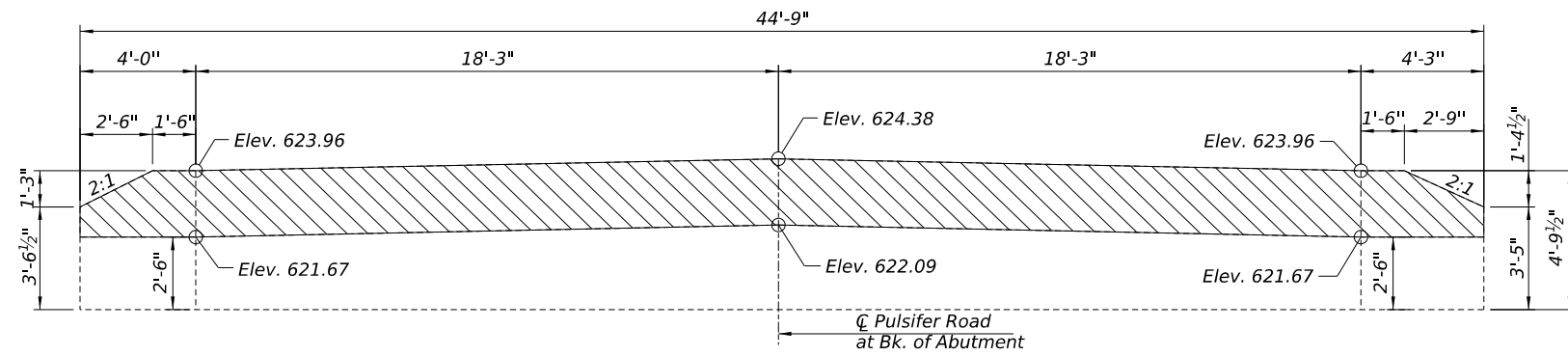
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**27" X 36" DECK BEAM DETAILS  
 STRUCTURE NO 072-3132**

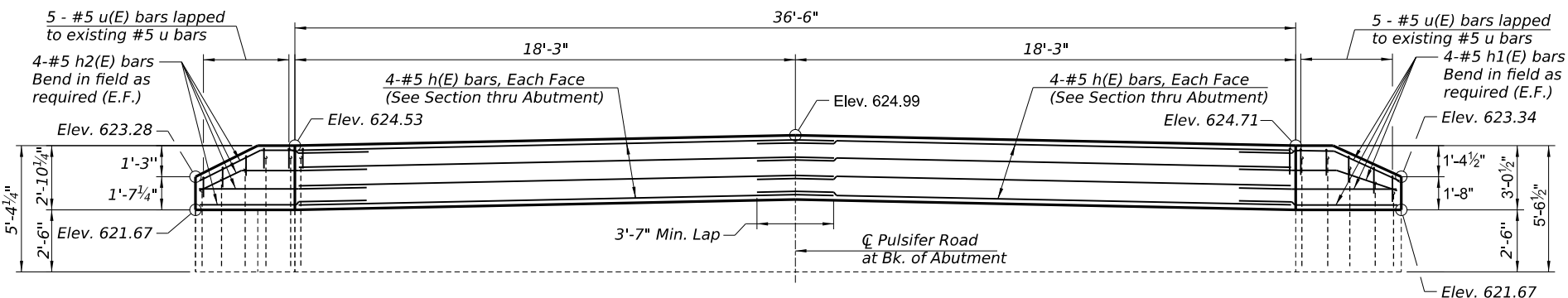
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CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	2110103	CONTRACT NO.	89821	
		ILLINOIS	FED. AID PROJECT	

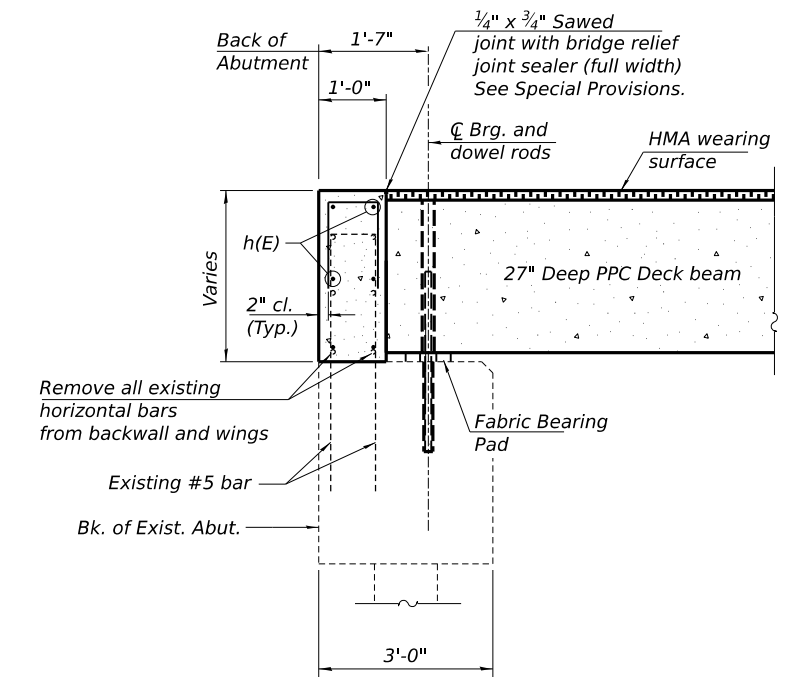




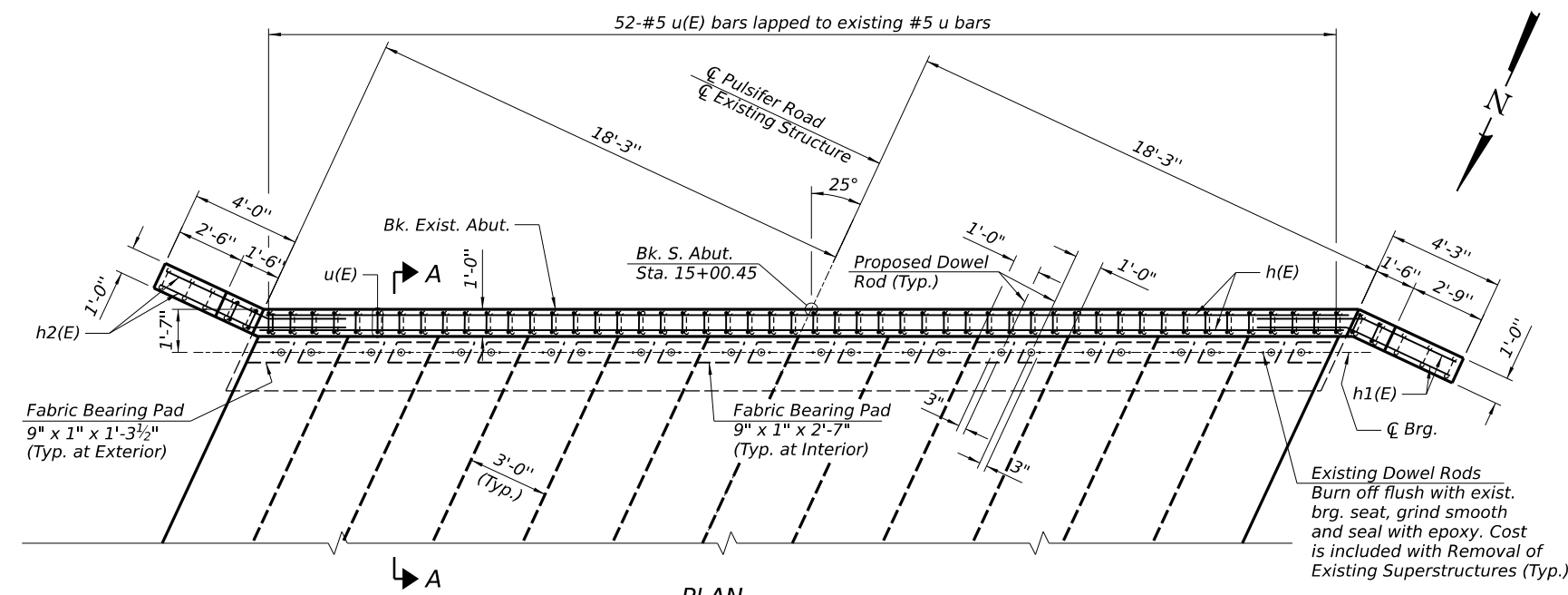
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(Looking South)  
(Dimensions are at Rt. L's)



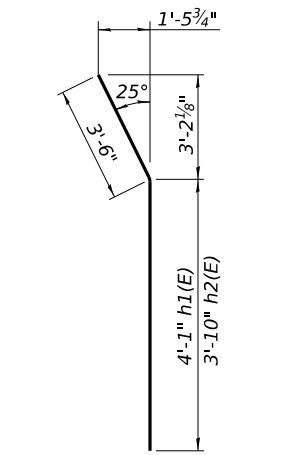
**ELEVATION**  
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(Dimensions are at Rt. L's)



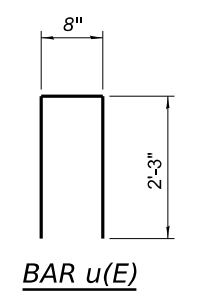
**SECTION A-A**  
(Dimensions are at right L's)



**PLAN**



**BARS h1(E) & h2(E)**



**BAR u(E)**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	16	#5	20'-1"	—
h1(E)	8	#5	7'-7"	—
h2(E)	8	#5	7'-4"	—
u(E)	62	#5	5'-2"	⌊
Concrete Removal			Cu. Yd.	4.0
Reinforcement Bars, Epoxy Coated			Pound	790
Concrete Structures			Cu. Yd.	5.1

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

**Note:**  
Existing reinforcement extending out of existing abutment cap in the backwall shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.  
Existing reinforcement extending out of existing abutment cap that is damaged or not salvaged shall be replaced with either drilled or epoxy grouted bars. Bars epoxy grouted shall have an embedment sufficient to develop 1.25 times the capacity of the reinforcement bar.

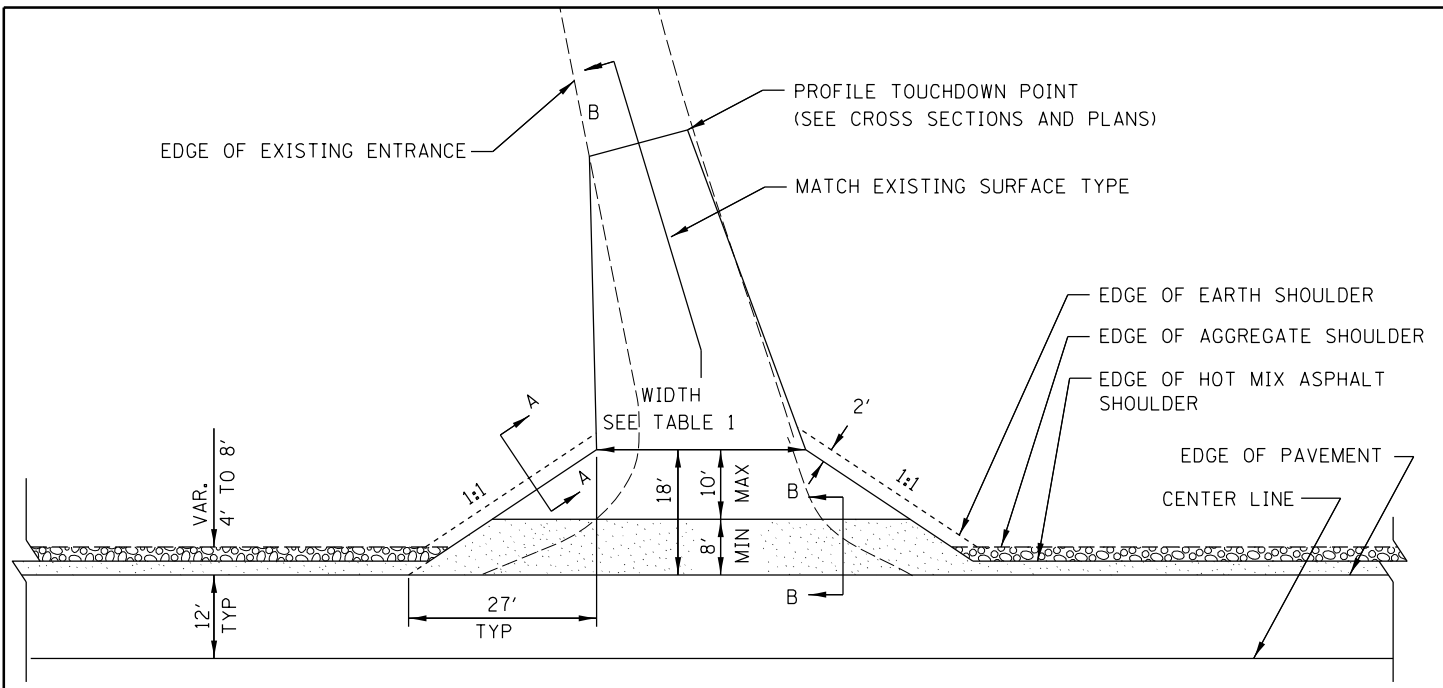
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Hanson Professional Services Inc.



DESIGNED - C. PUZEY  
DRAWN - R. JOHNSON  
REVIEWED - J. THOELE  
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	PLOT DATE = 10/20/2022	CHECKED - J. THOELE	REVISD -									21L0103			CONTRACT NO. 89821
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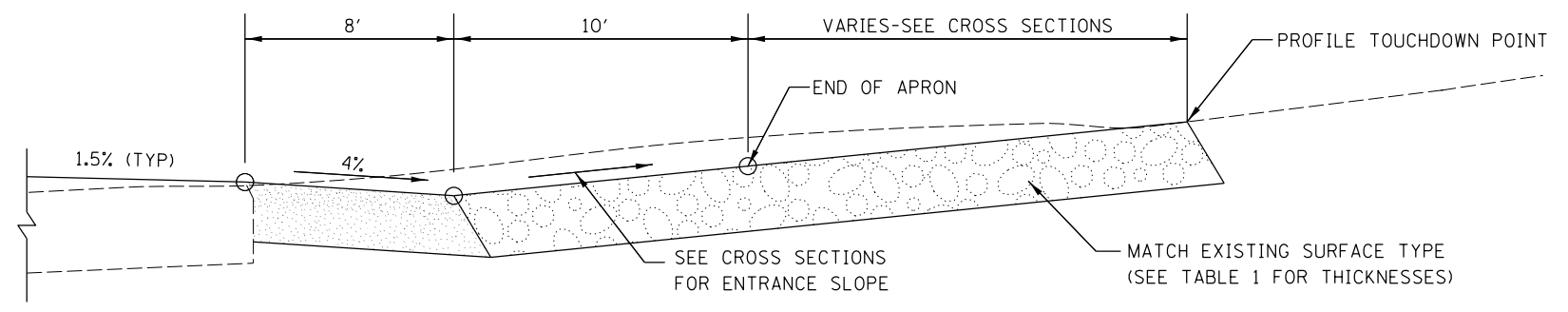


 HOT MIX ASPHALT SHOULDER, 8"  
 AGGREGATE SHOULDER, TYPE B, 6"

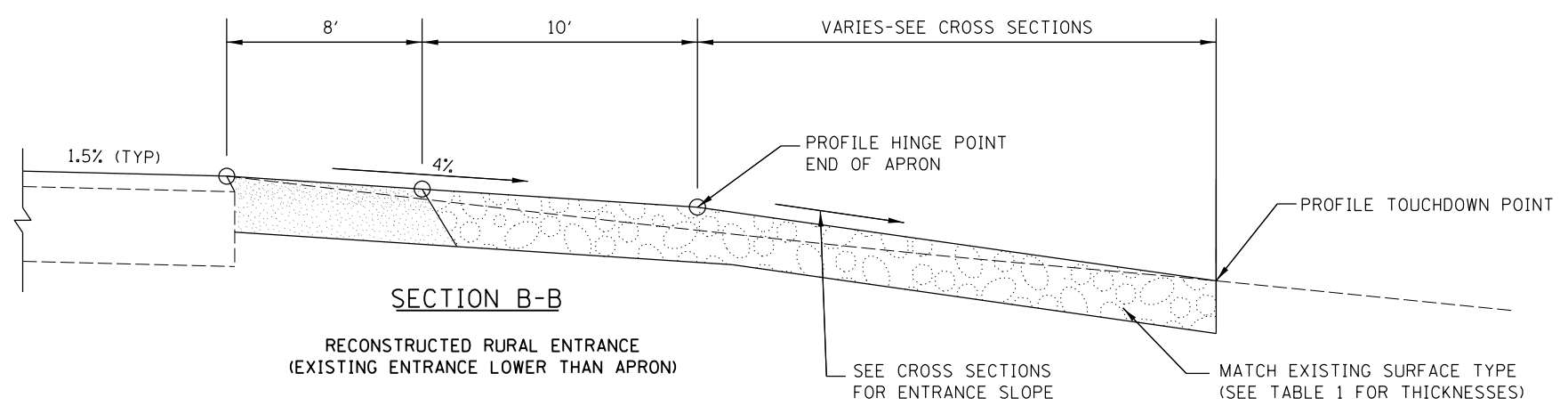
**PLAN**  
COMMERCIAL / FARM-RELATED ENTRANCE

TABLE 1						
RURAL ENTRANCE DESIGN						
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT		COMMERCIAL	
					1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Min.	30'(9.0m)Max.	14'(4.3m) Min.	24'(7.2m) Max.
FLARE						1:1.5
MAX. GRADE (G)	12%		12%		10%	

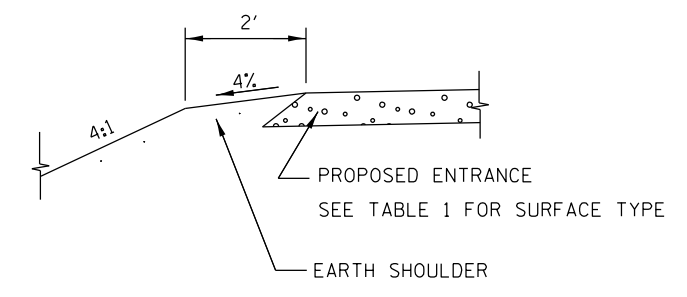
SURFACE TYPE			
INCIDENTAL HOT MIX ASPHALT SURFACING	6"	—	8"
AGGREGATE SURFACE COURSE	6"	8"	—
PCC DRIVEWAY PAVEMENT	6"	—	7"



**SECTION B-B**  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE HIGHER THAN APRON)



**SECTION B-B**  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE LOWER THAN APRON)



**SECTION A-A**  
SHOULDER TREATMENT FOR RURAL ENTRANCES

**GENERAL NOTES**

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

All dimensions are in inches (millimeters) unless otherwise noted.

DESIGNED	
DRAWN	
REVIEWED	

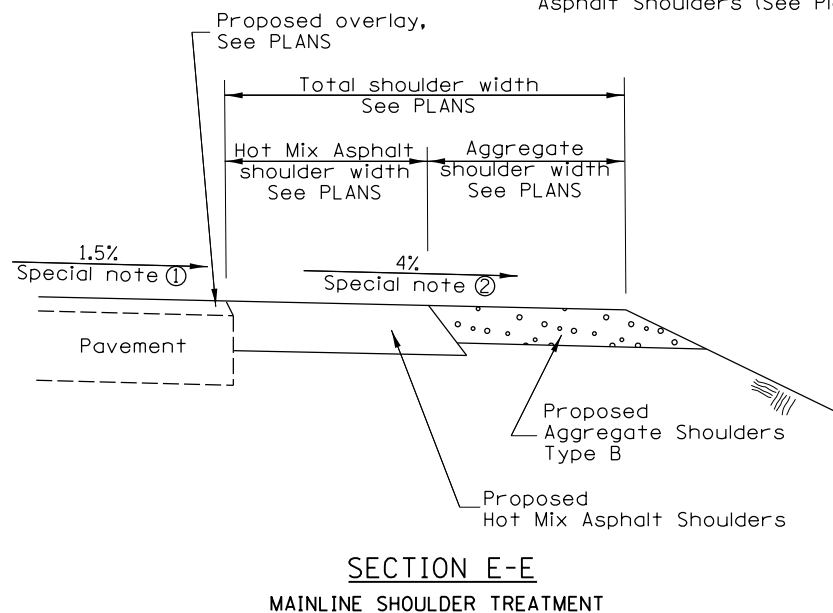
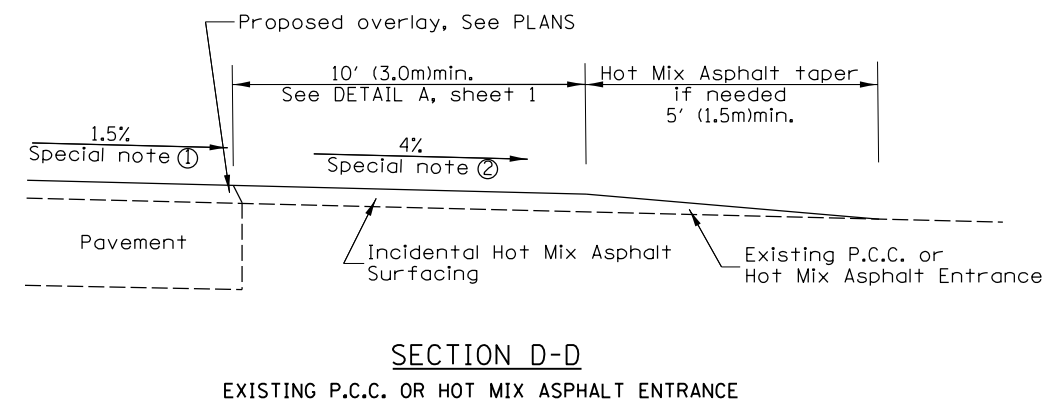
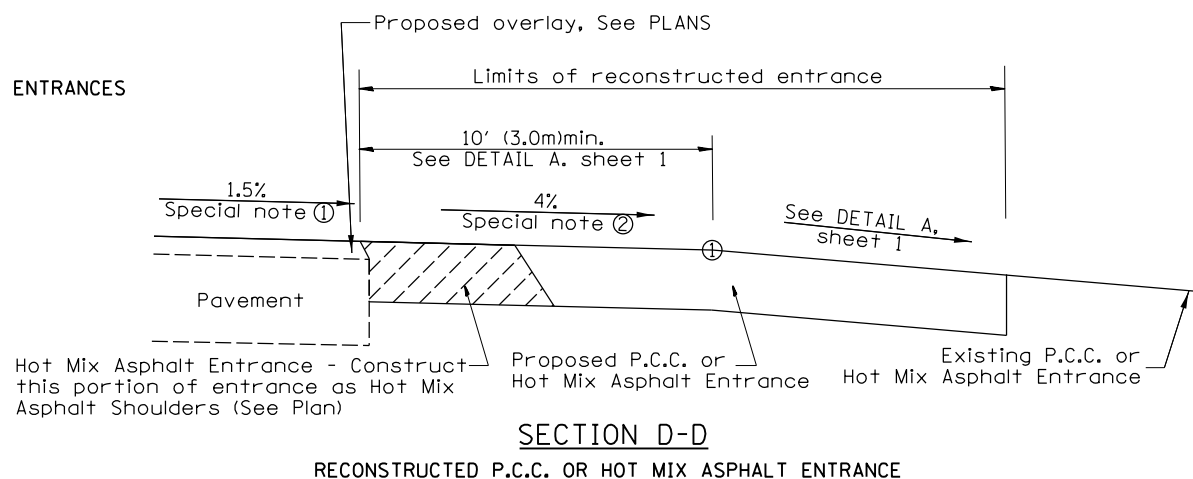
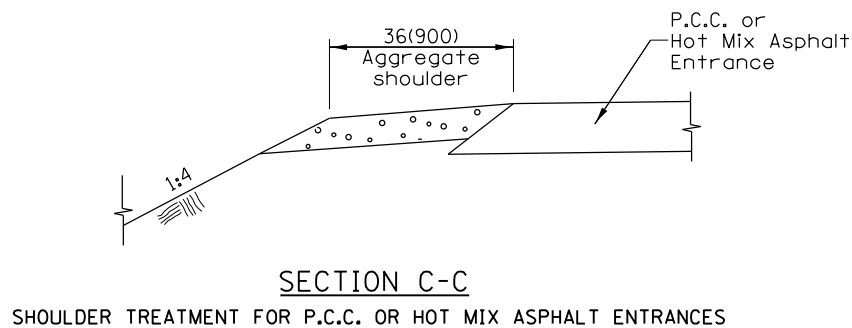
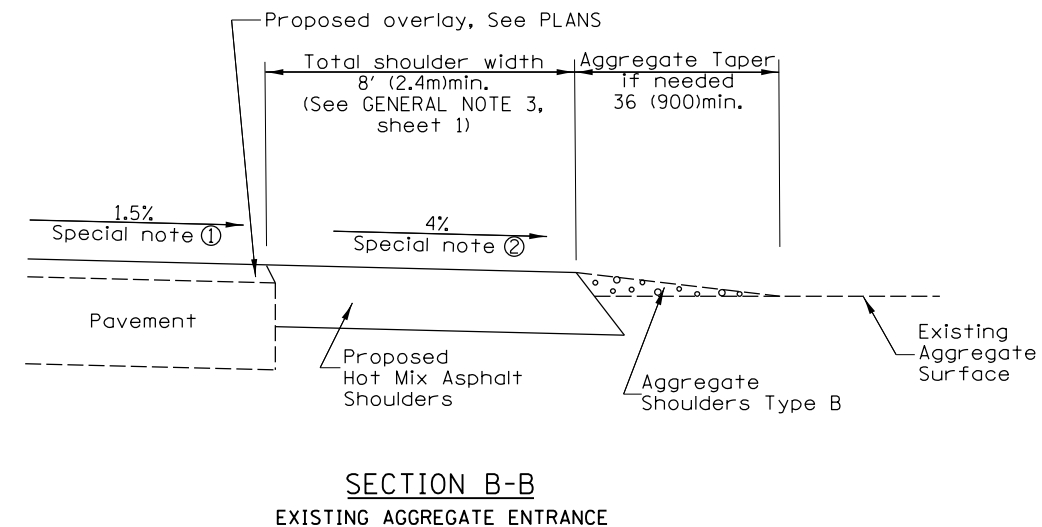
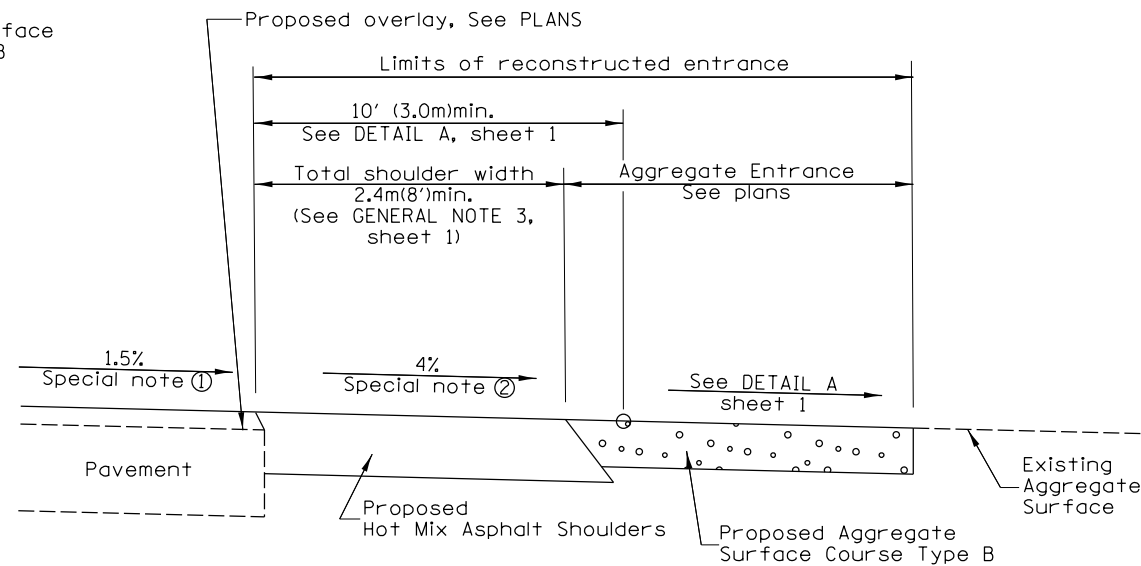
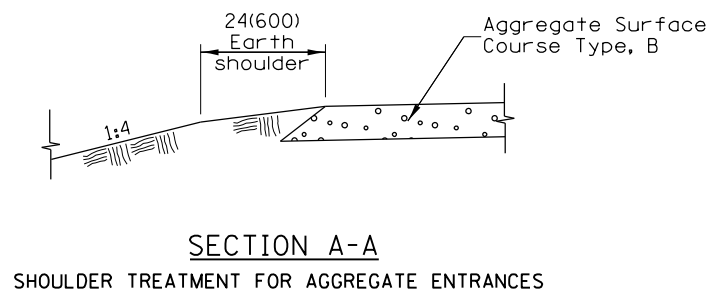
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RURAL ENTRANCES FOR "3R" PROJECTS CADD STD. 406301-D4</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	26
2110103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				



**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on super-elevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through super-elevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

All dimensions are in inches (millimeters) unless otherwise noted.

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DRAWN	
REVIEWED	

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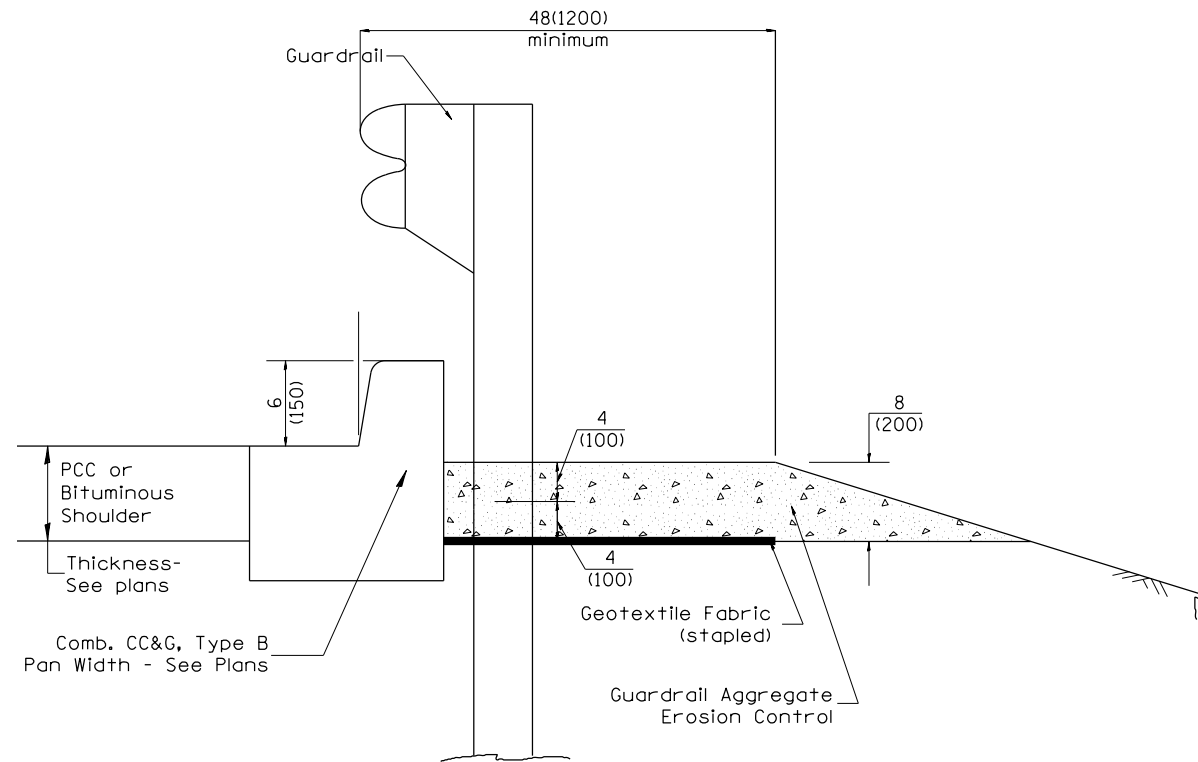
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCES FOR "3R" PROJECTS  
CADD STD. 406301-D4**

SCALE: SHEET OF SHEETS STA. TO STA.

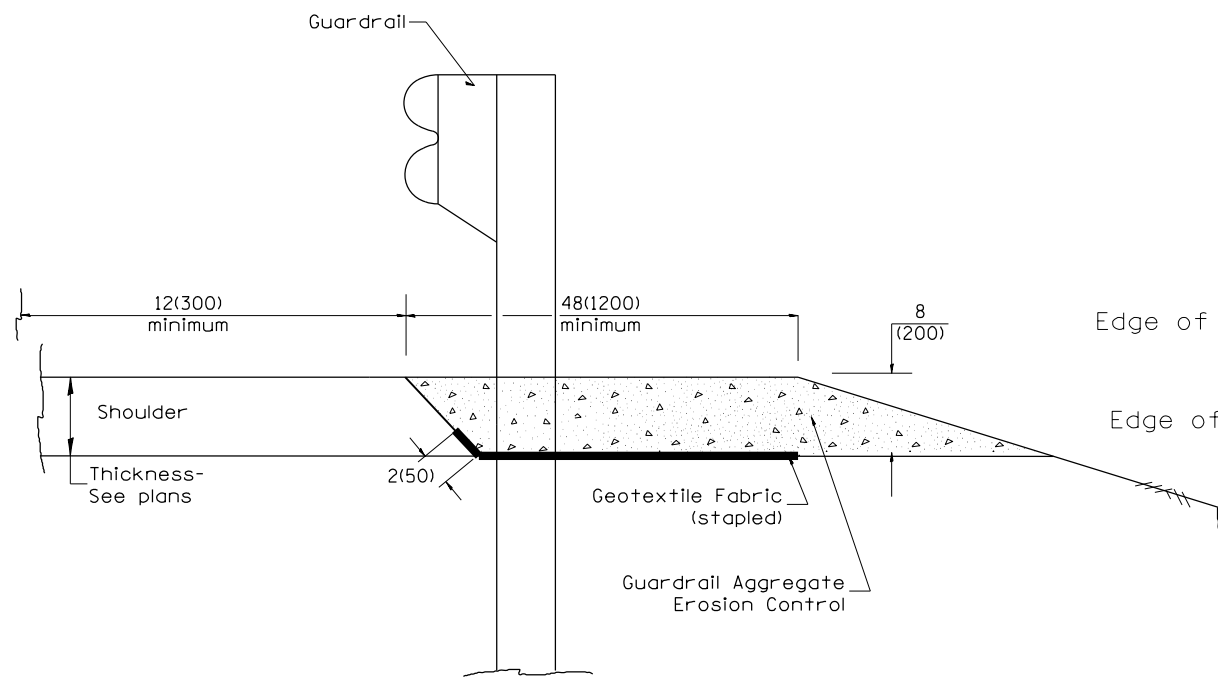
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ILLINOIS FED. AID PROJECT				



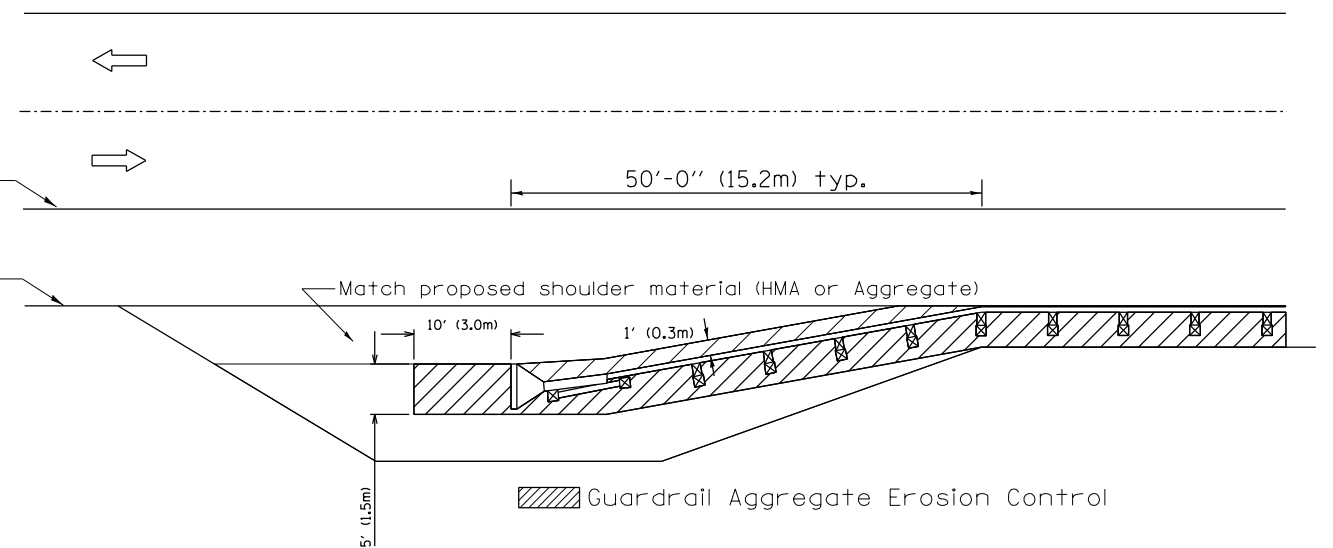
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER

**GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL**

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



TYPICAL SECTION WITHOUT EROSION CONTROL CURB



All dimensions are in inches (millimeters) unless otherwise noted.

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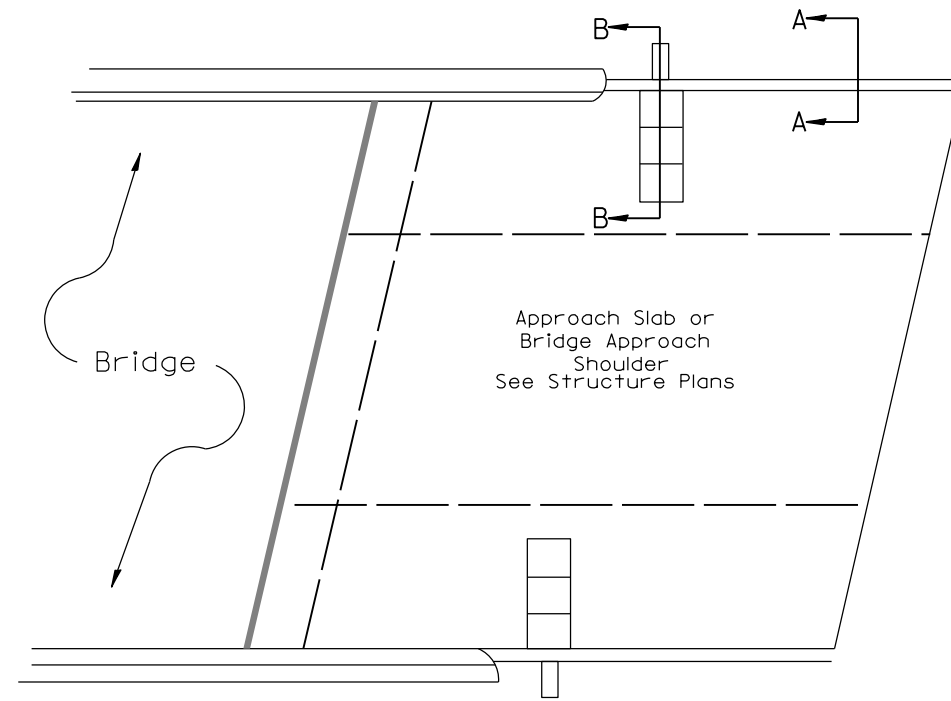
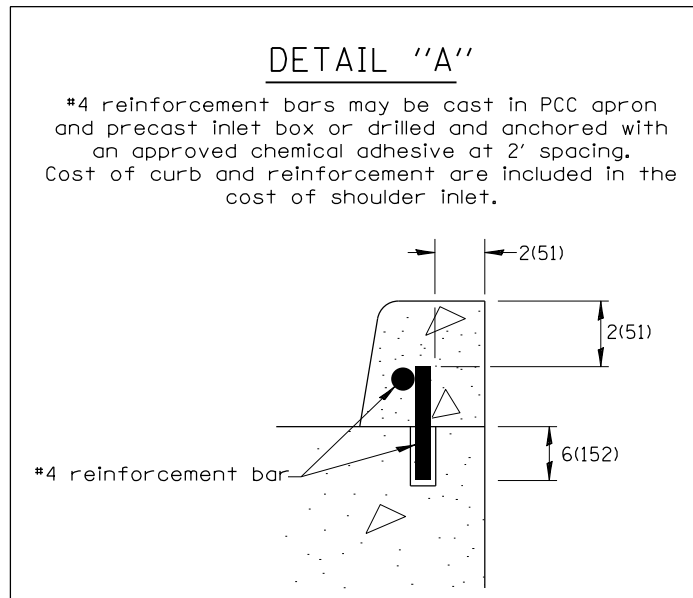
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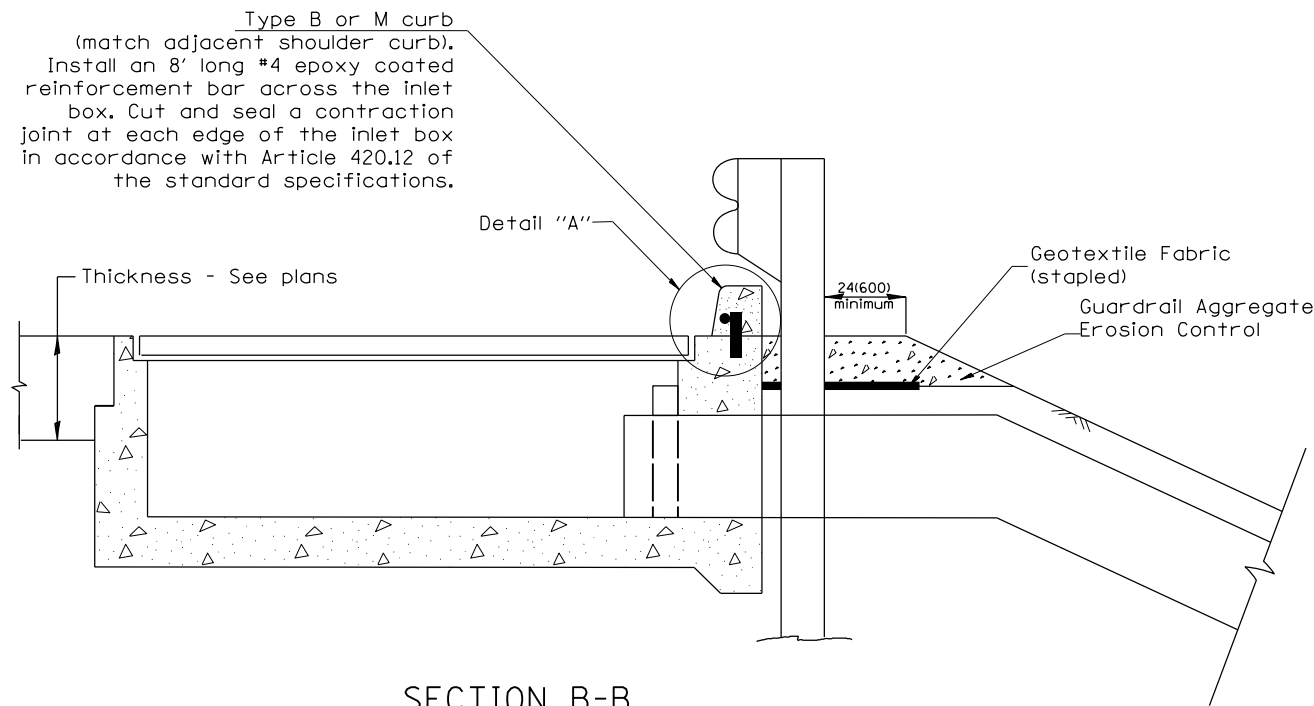
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CADD STD. 630101-D4

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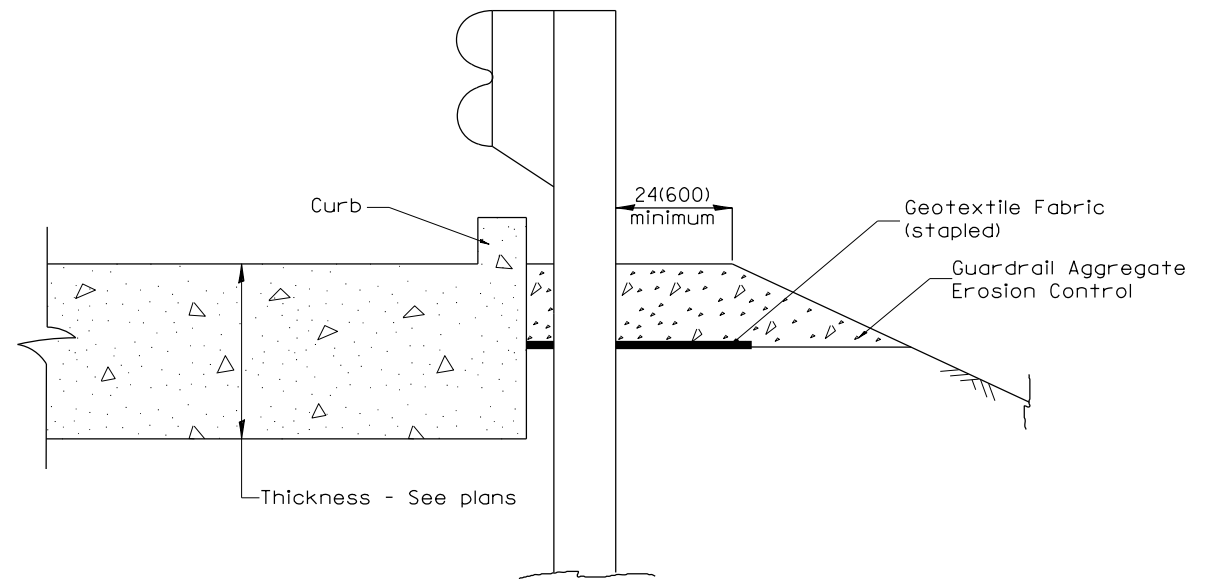
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R23	20-00155-00-BR	PEORIA	37	28
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				



**PLAN VIEW**  
**APPROACH SLAB OR SHOULDER PLACEMENT**



**SECTION B-B**  
**TYPICAL SECTION AT INLETS**  
**TYPE E, F & G (HIGHWAY STANDARD 610001)**



**SECTION A-A**  
**TYPICAL SECTION WITH BRIDGE APPROACH CURB**

All dimensions are in inches (millimeters) unless otherwise noted.

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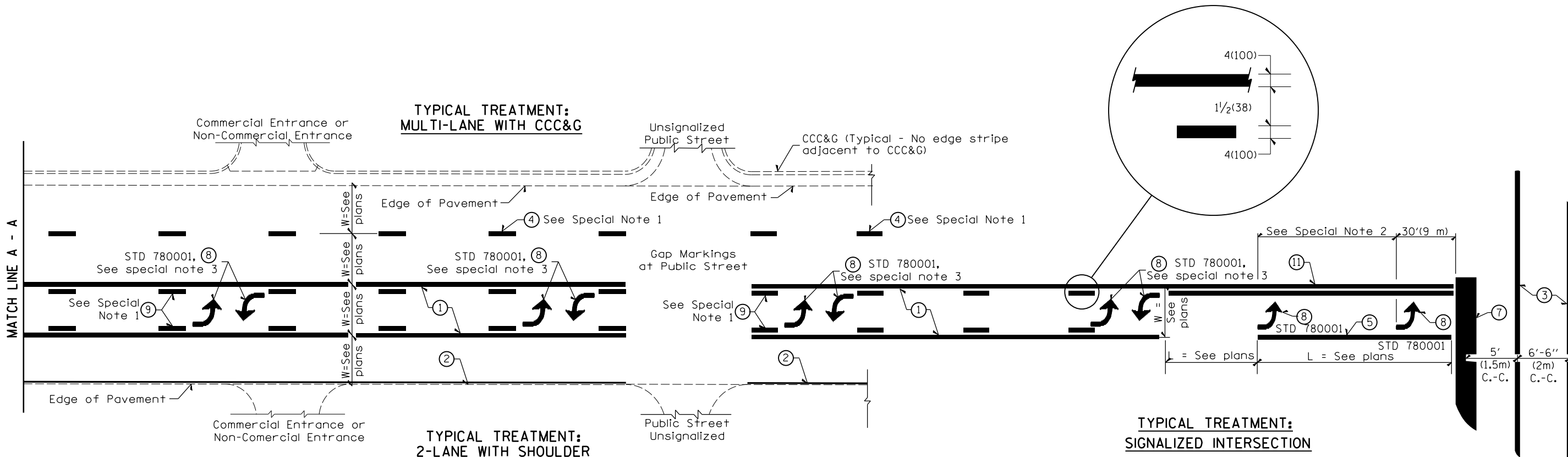
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL EROSION CONTROL TREATMENTS**  
**CADD STD. 630101-D4**

SCALE: SHEET OF SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	29
21L0103		CONTRACT NO. 89821		
		ILLINOIS FED. AID PROJECT		



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

**SPECIAL NOTES**

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- The following shall apply to arrows located in one-way left turn lanes:
  - A minimum of two (2) arrows is required.
  - The maximum spacing between arrows is 80' (24 m).
  - Arrows shall be evenly spaced if three (3) or more are required.
- The following shall apply to arrow pairs located in two-way left turn lanes:
  - A minimum of two (2) arrow pairs is required.
  - The maximum spacing between arrow pairs is 200' (61 m).
  - Arrow pairs shall be evenly spaced if three (3) or more are required.
  - The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- Areas are grooved 1' beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

DESIGNED	
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REVIEWED	

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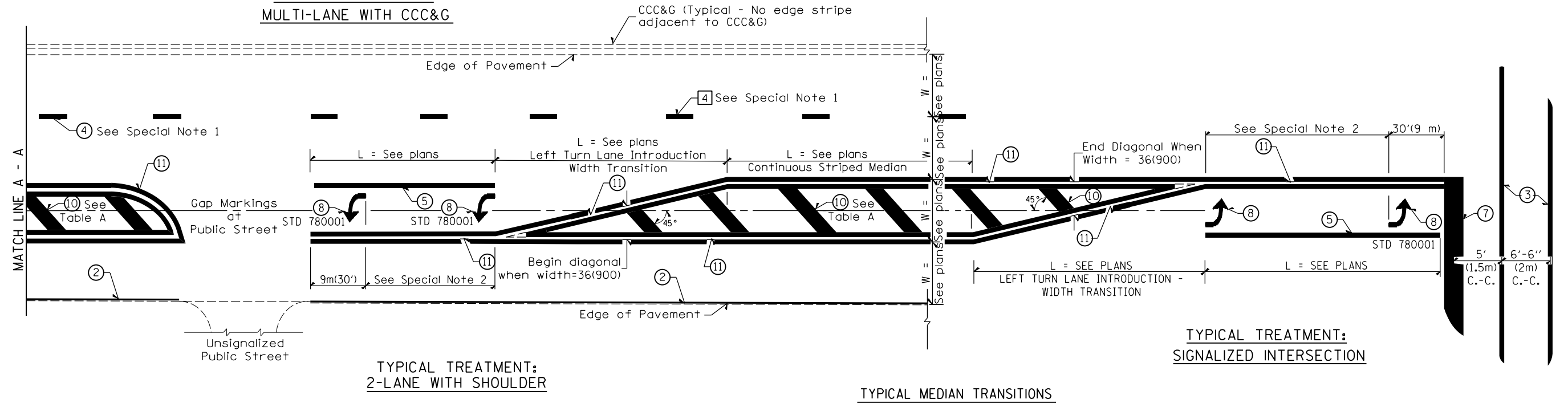
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS  
CADD STD. 780001-D4**

SCALE: SHEET OF SHEETS STA. TO STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

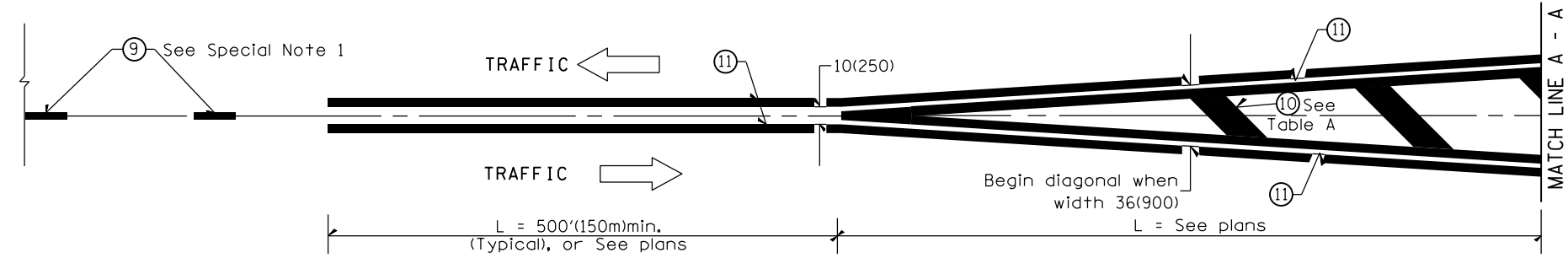
**TYPICAL TREATMENT:  
MULTI-LANE WITH CCC&G**



**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES**

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



**MEDIAN INTRODUCTION - WIDTH TRANSITIONS**

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DRAWN	
REVIEWED	

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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS  
CADD STD. 780001-D4**

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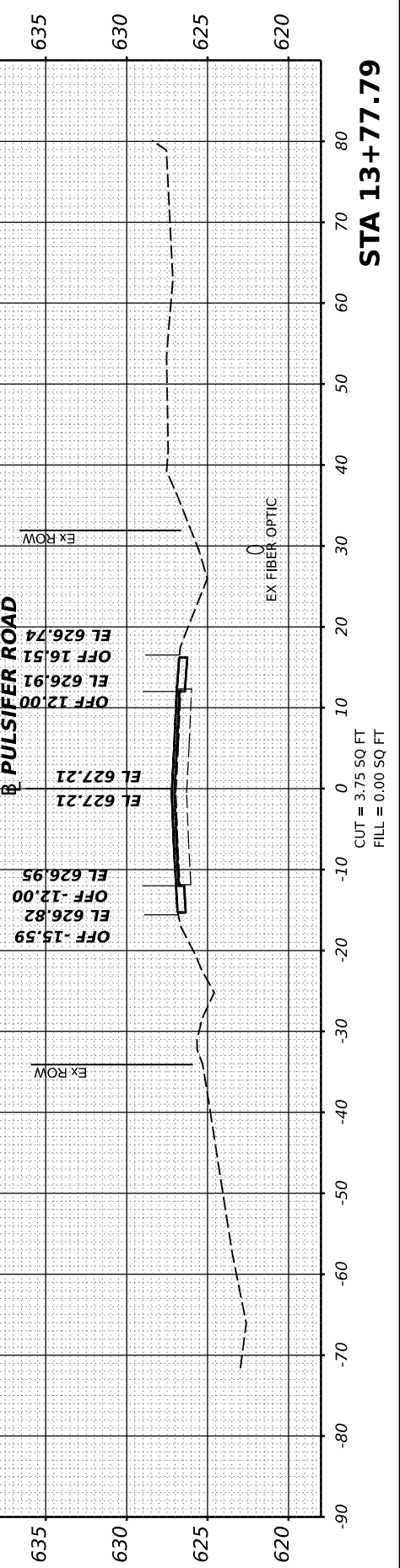
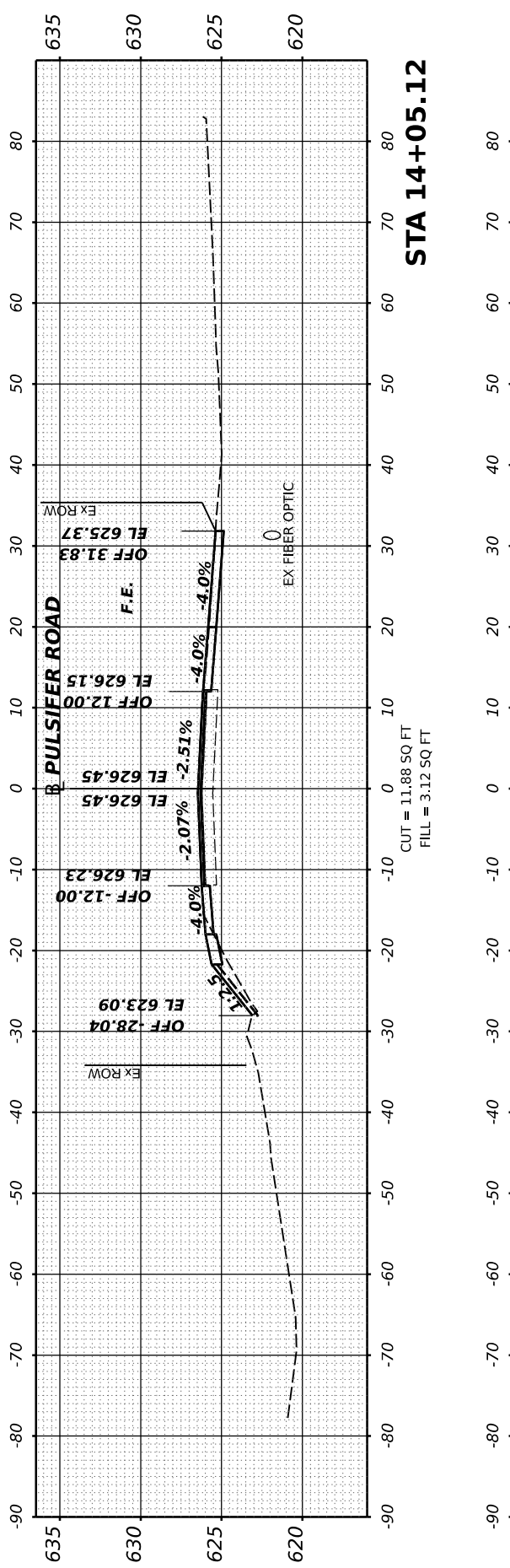
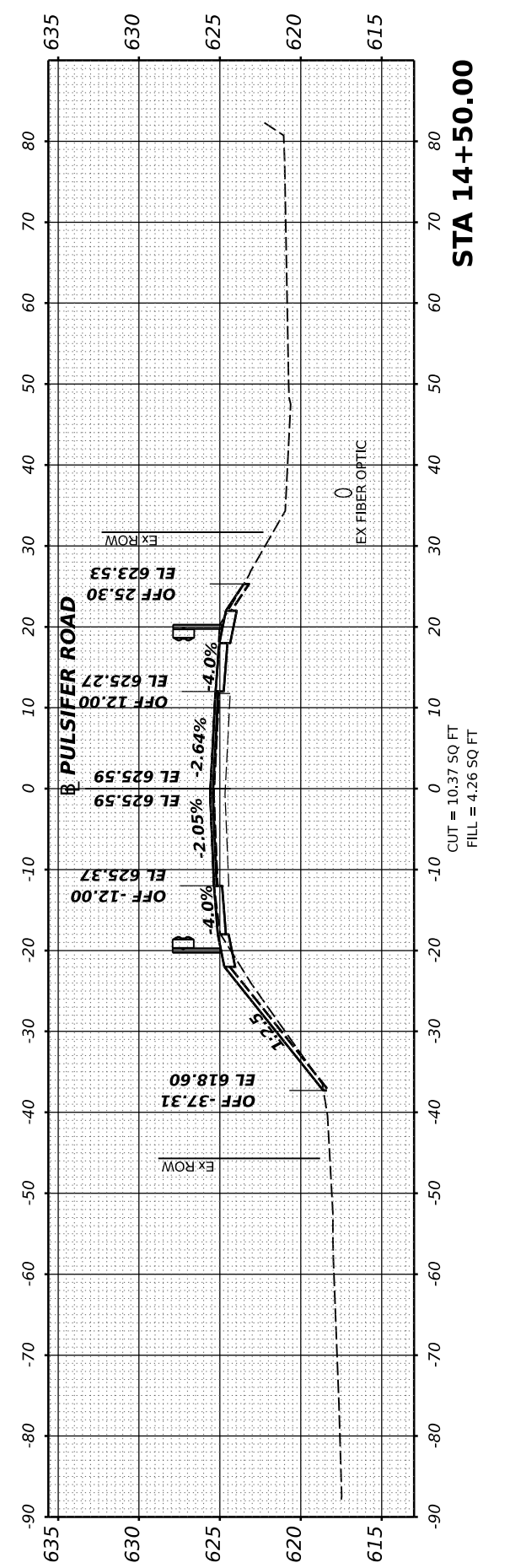
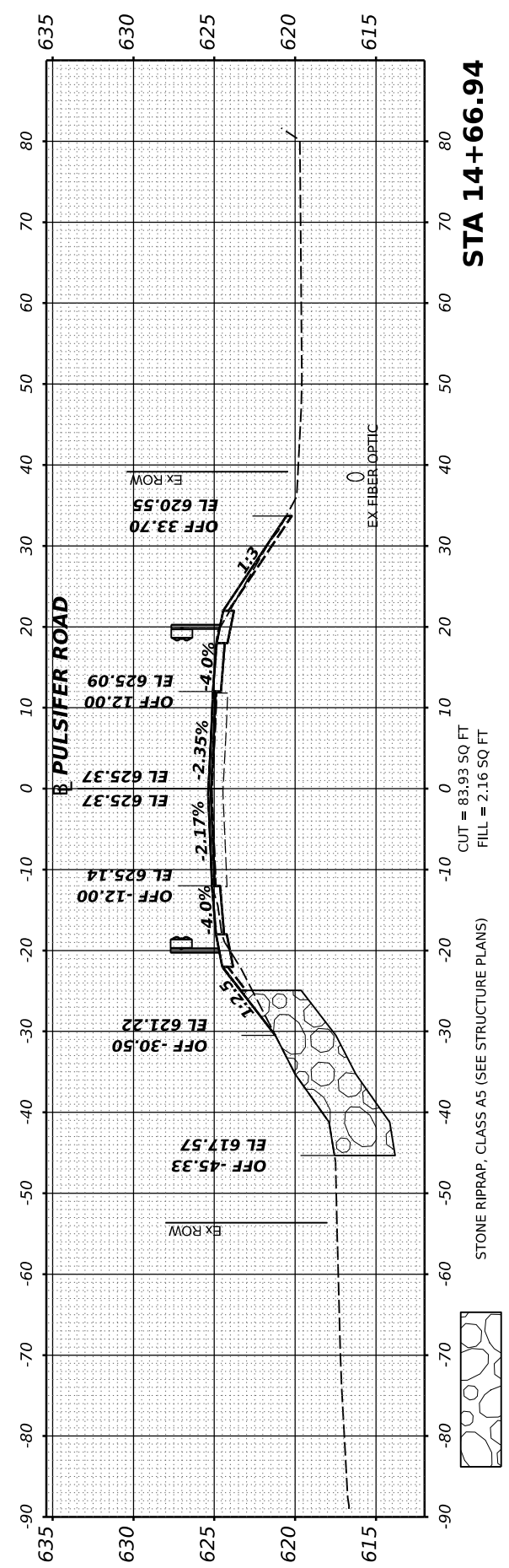
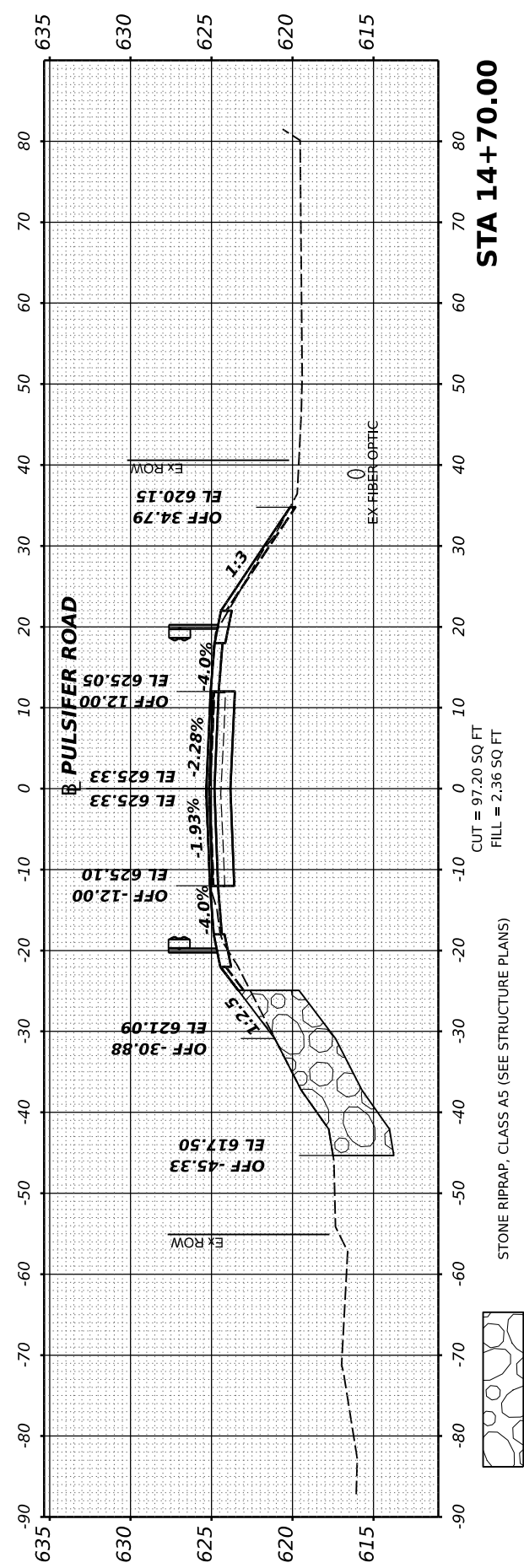
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ILLINOIS FED. AID PROJECT				

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NO.	AREAS CHECKED		



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FINAL

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REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA.

PULSIFER ROAD  
 CROSS SECTIONS

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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2110103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				

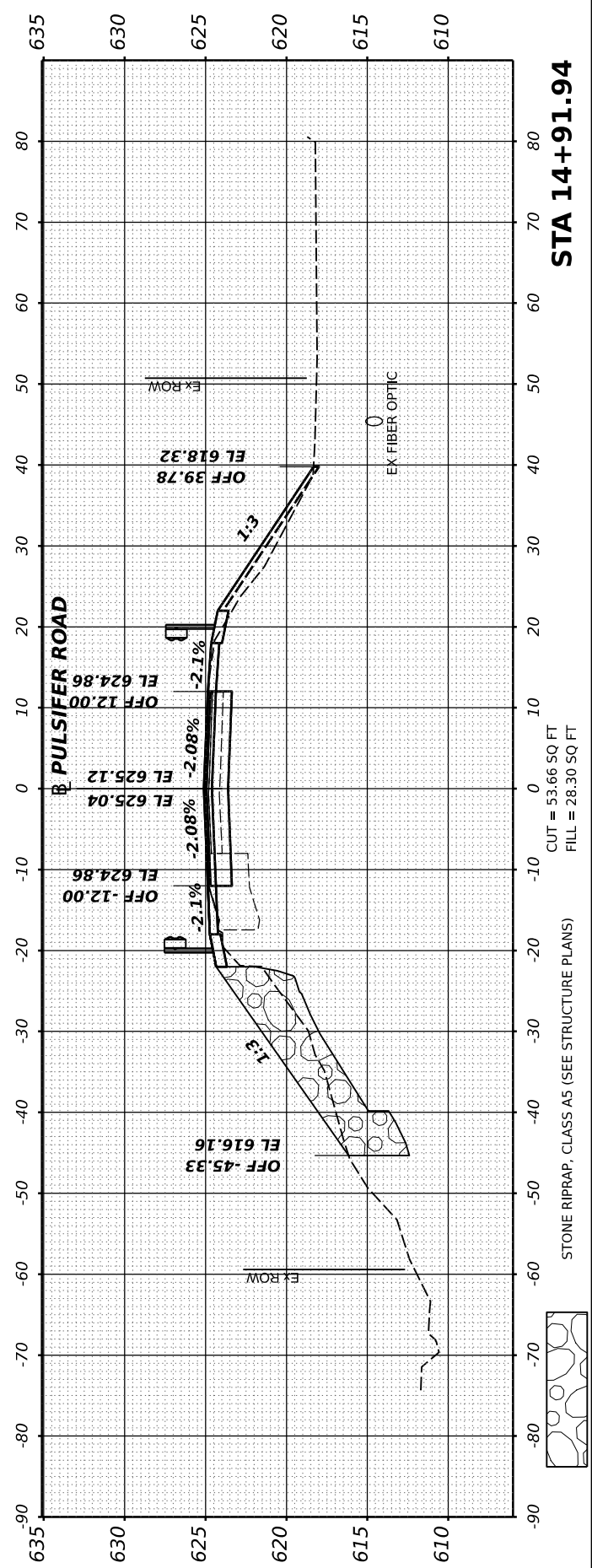
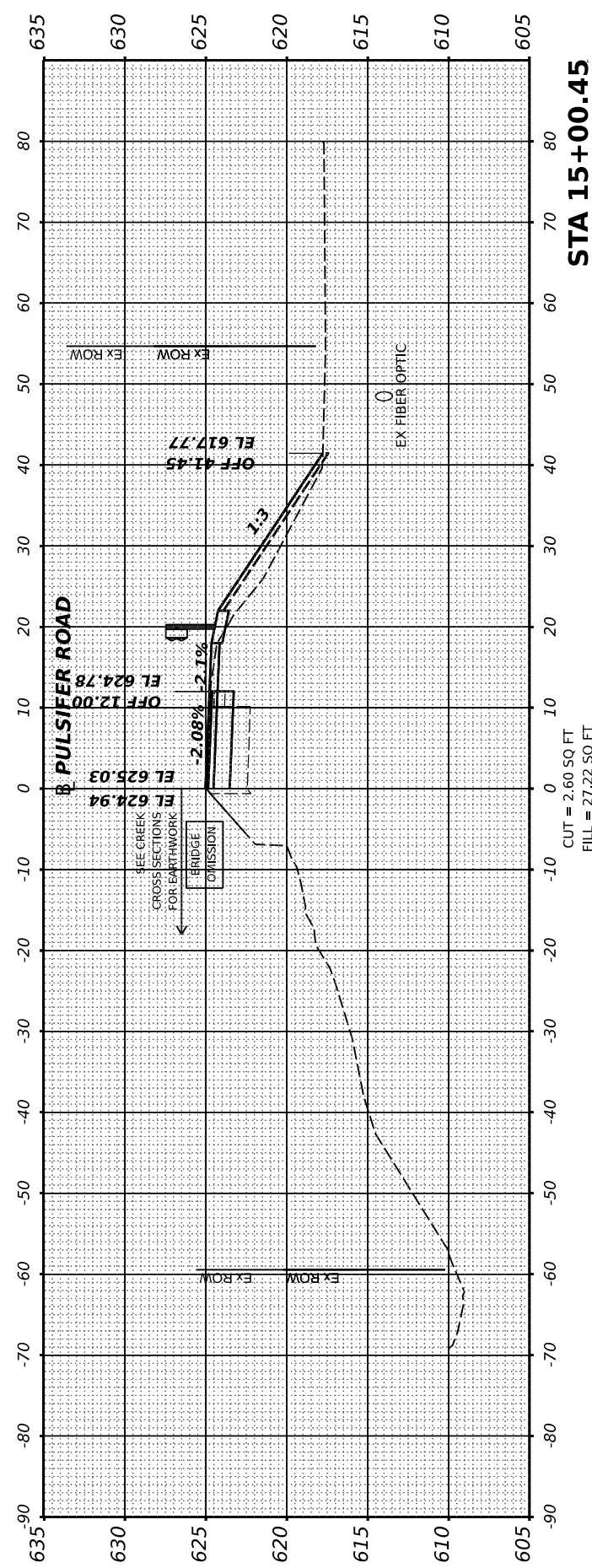
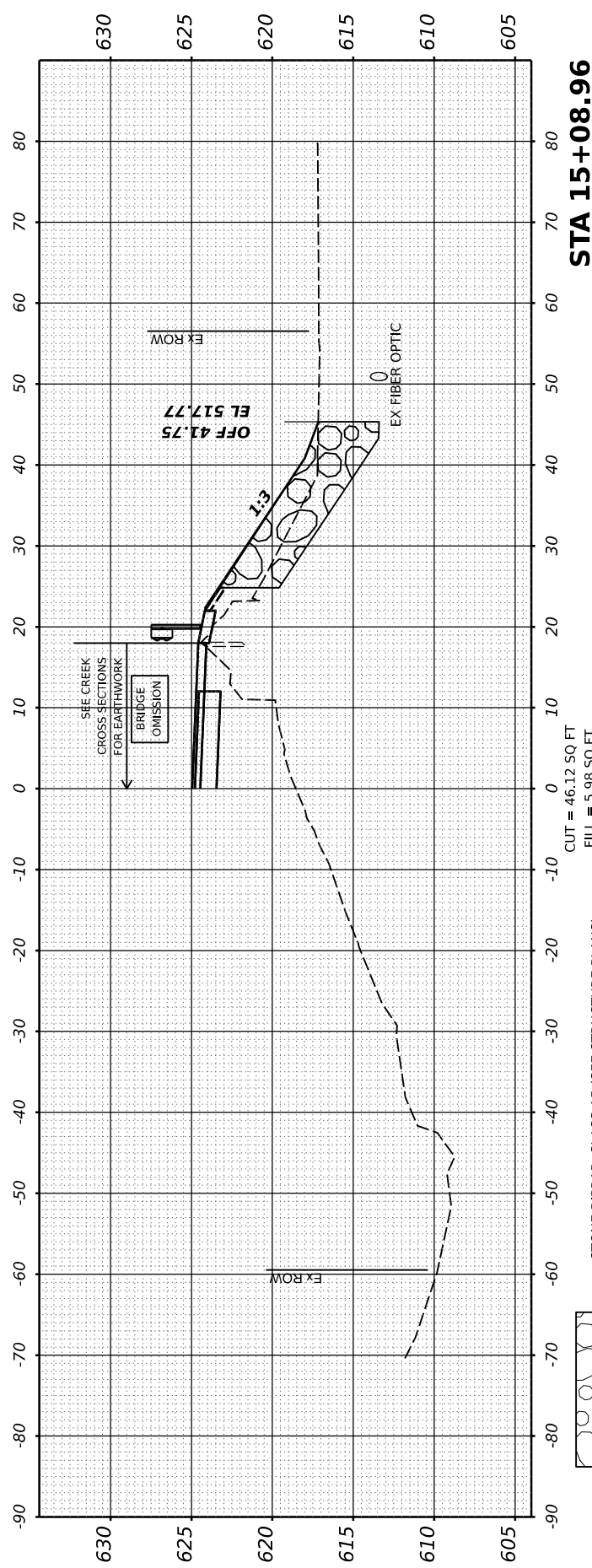
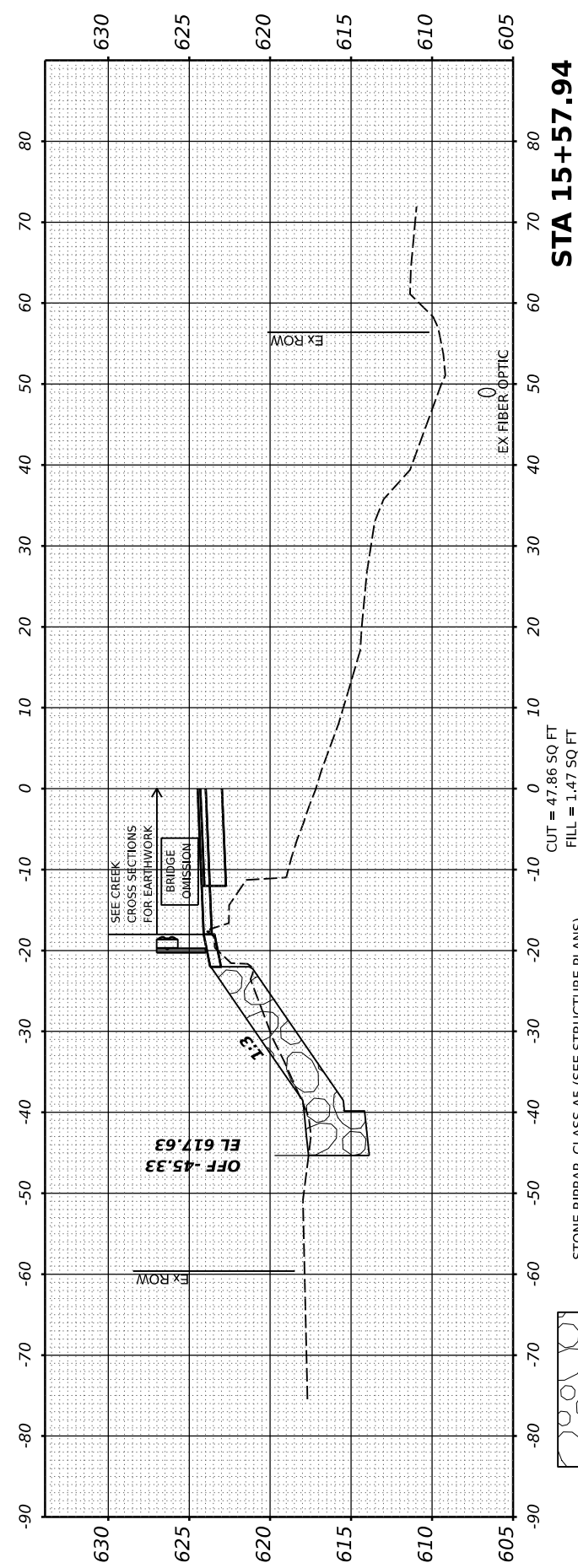


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AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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

DESIGNED - RDH 6/14/2022 12:00:00 AM  
 DRAWN - RLA 6/14/2022 12:00:00 AM  
 REVIEWED - MGD 10/10/2022 12:00:00 AM  
 MODEL - PUL\_2 - 14+91.94.1  
 FILE NAME - B:\2110103\CAD\Road\Sheet\h-xsec01.dgn



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD  
 CROSS SECTIONS**

USER NAME	ander00846	DESIGNED	RDH	REVISED	-
PLOT SCALE	0.16666667 / in.	DRAWN	RLA	REVISED	-
PLOT DATE	10/20/2022	CHECKED	MGD	REVISED	-
		DATE	10/10/2022 12:00:00 AM	REVISED	-

SCALE: SHEET OF SHEETS STA.

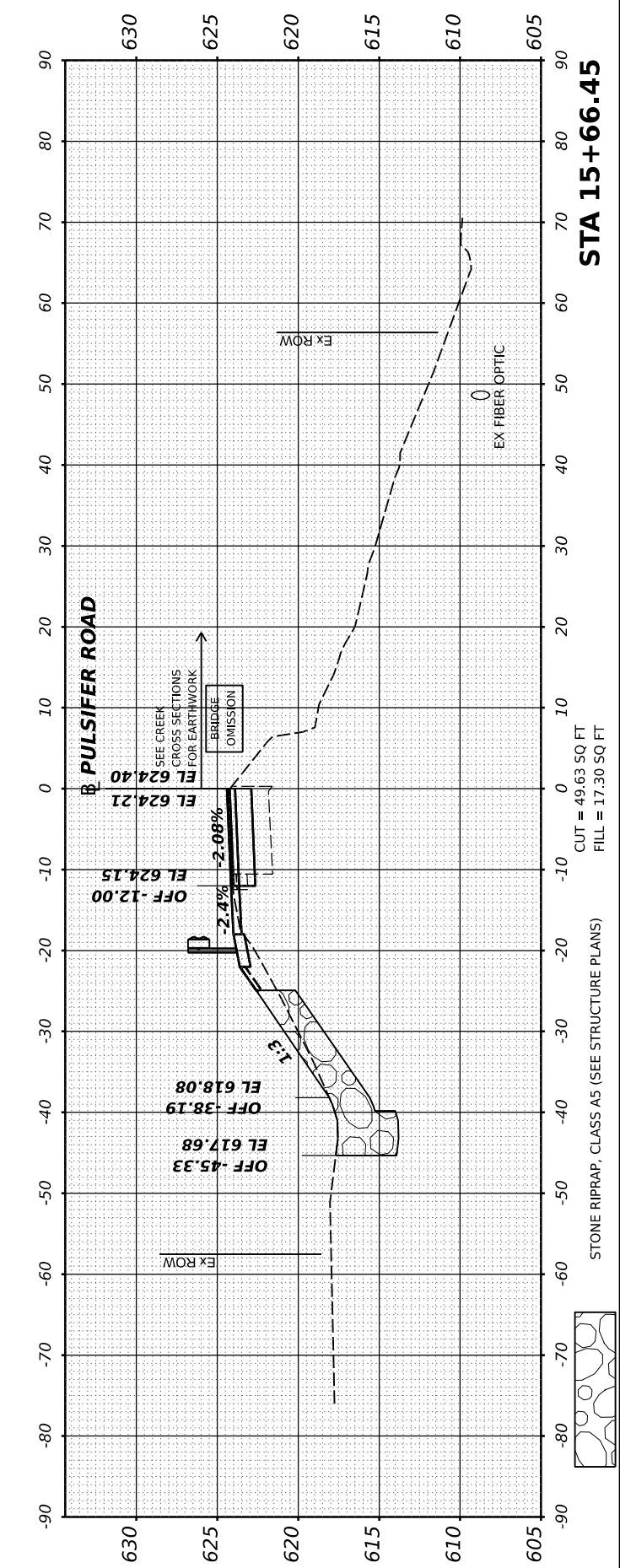
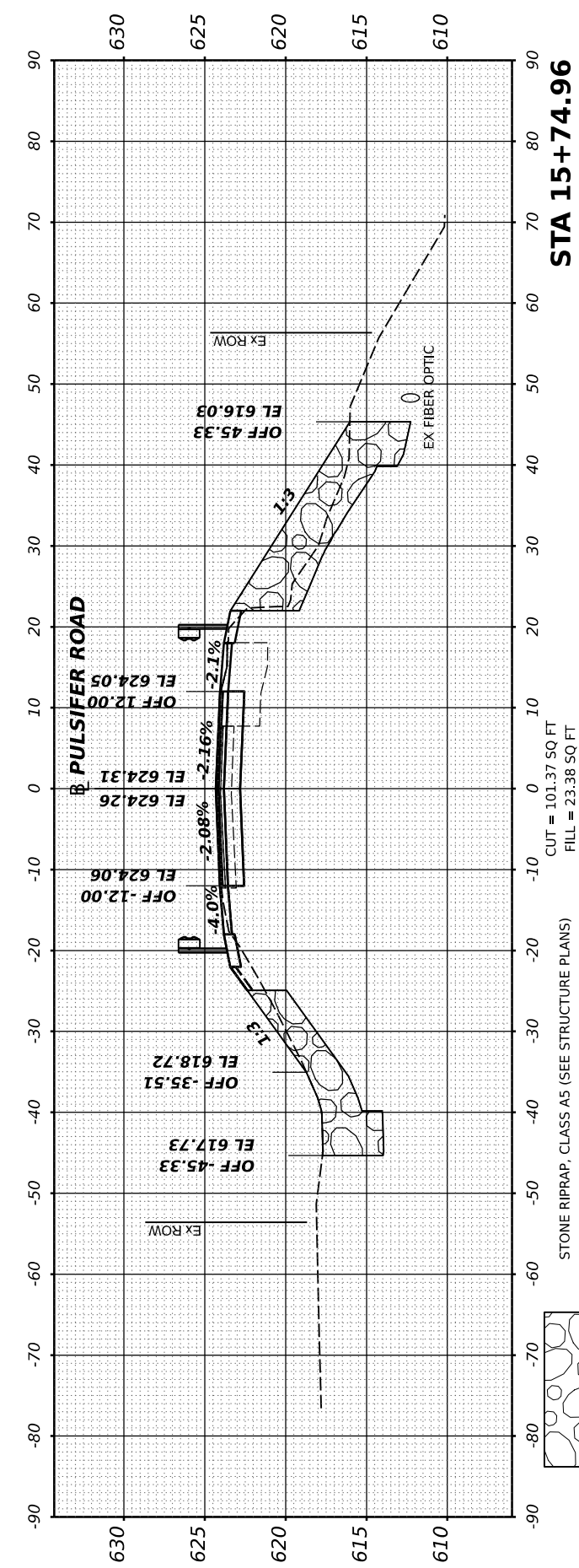
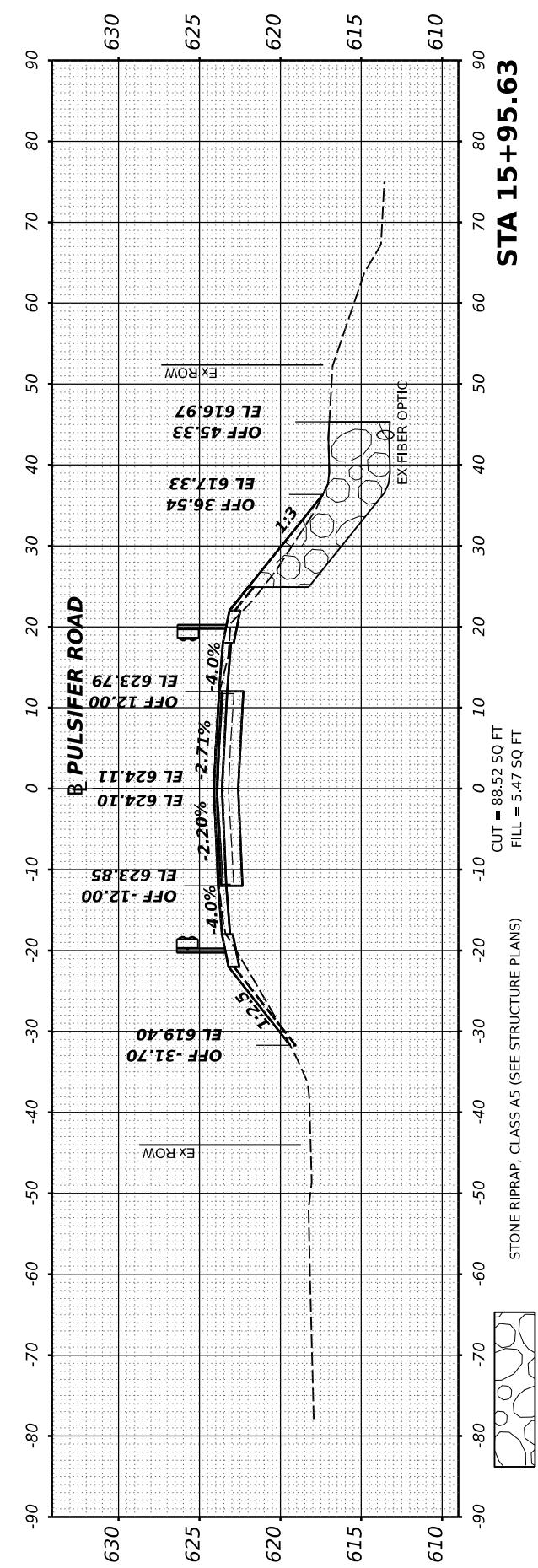
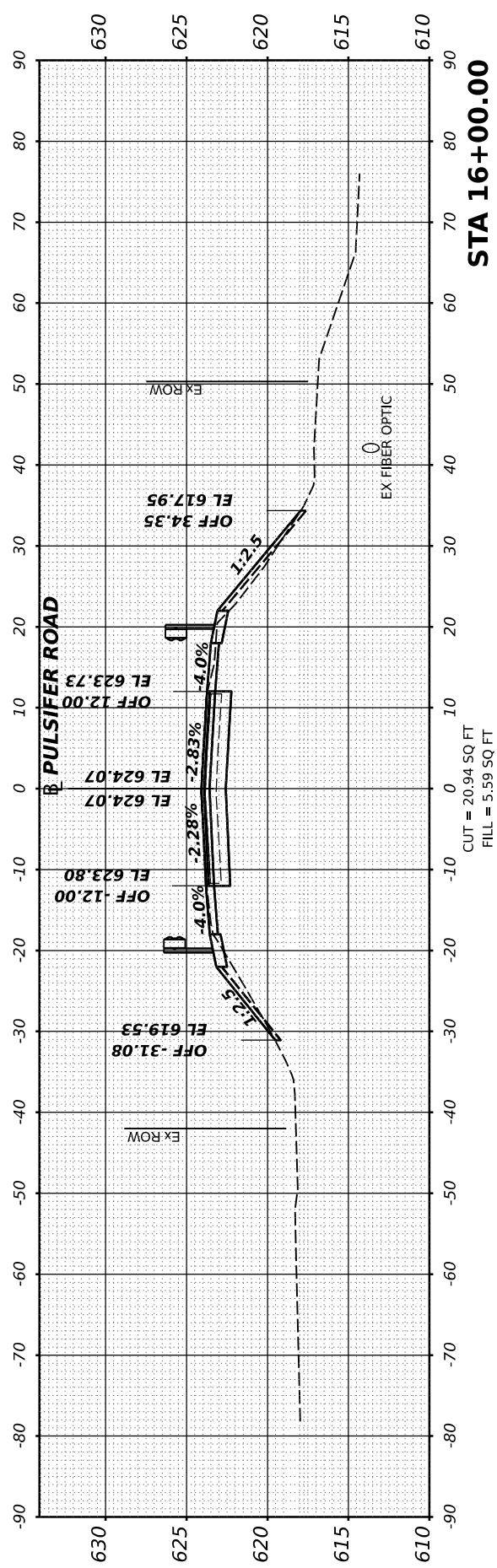
CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	33
2110103		CONTRACT NO.	89821	
ILLINOIS FED. AID PROJECT				

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



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

DESIGNED: RDH 6/14/2022 12:00:00 AM  
 DRAWN: RLA 6/14/2022 12:00:00 AM  
 REVIEWED: MGD 10/10/2022 12:00:00 AM  
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 FILE NAME: B:\2110103\2110103\Road\Sheet\h-rscc01.dgn



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD  
 CROSS SECTIONS**

USER NAME	ander00846	DESIGNED	RDH	REVISED	-
PLOT SCALE	0.16666667 / in.	DRAWN	RLA	REVISED	-
PLOT DATE	10/20/2022	CHECKED	MGD	REVISED	-
		DATE	10/10/2022 12:00:00 AM	REVISED	-

SCALE: SHEET OF SHEETS STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	34
2110103		CONTRACT NO.	89821	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

DESIGNED RDH 6/14/2022 12:00:00 AM  
 DRAWN RLA 6/14/2022 12:00:00 AM  
 REVIEWED MGD 10/10/2022 12:00:00 AM  
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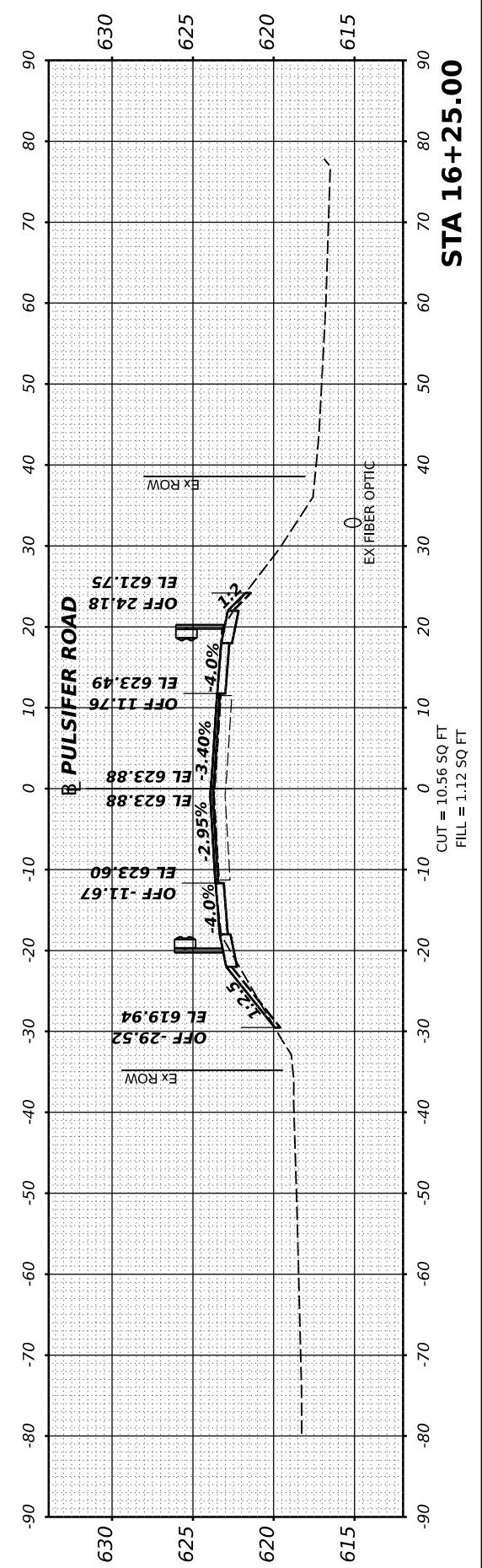
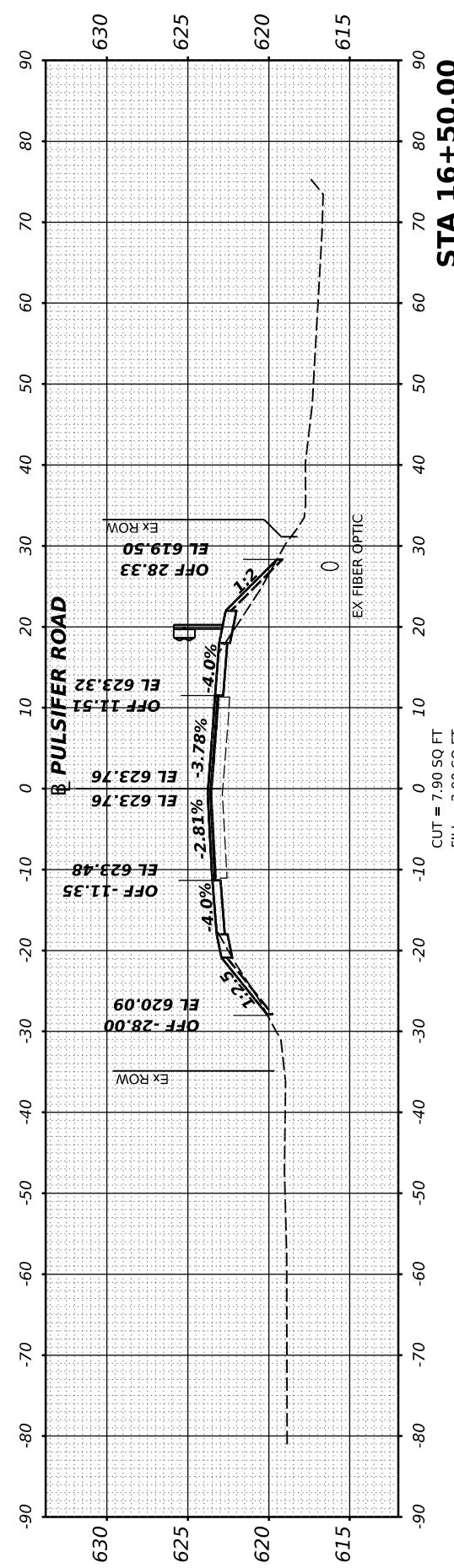
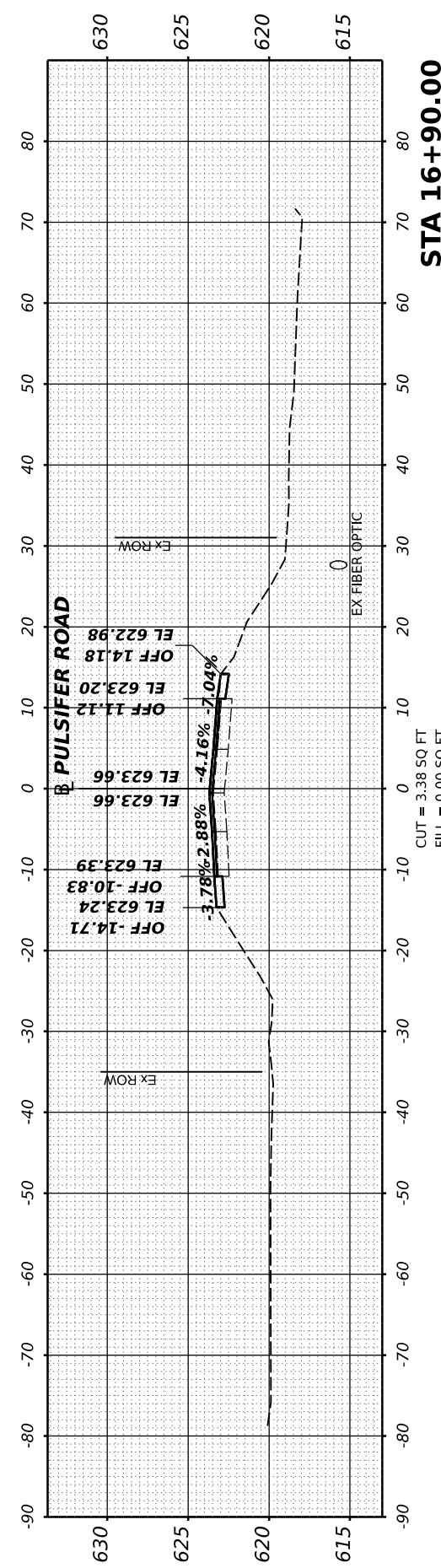
FINAL	USER NAME - ander00846	DESIGNED - RDH	REVISED -
	PLOT SCALE - 0.16666667 / in.	DRAWN - RLA	REVISED -
	PLOT DATE - 10/20/2022	CHECKED - MGD	REVISED -
		DATE - 10/10/2022 12:00:00 AM	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PULSIFER ROAD  
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA.

CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	35
21L0103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				



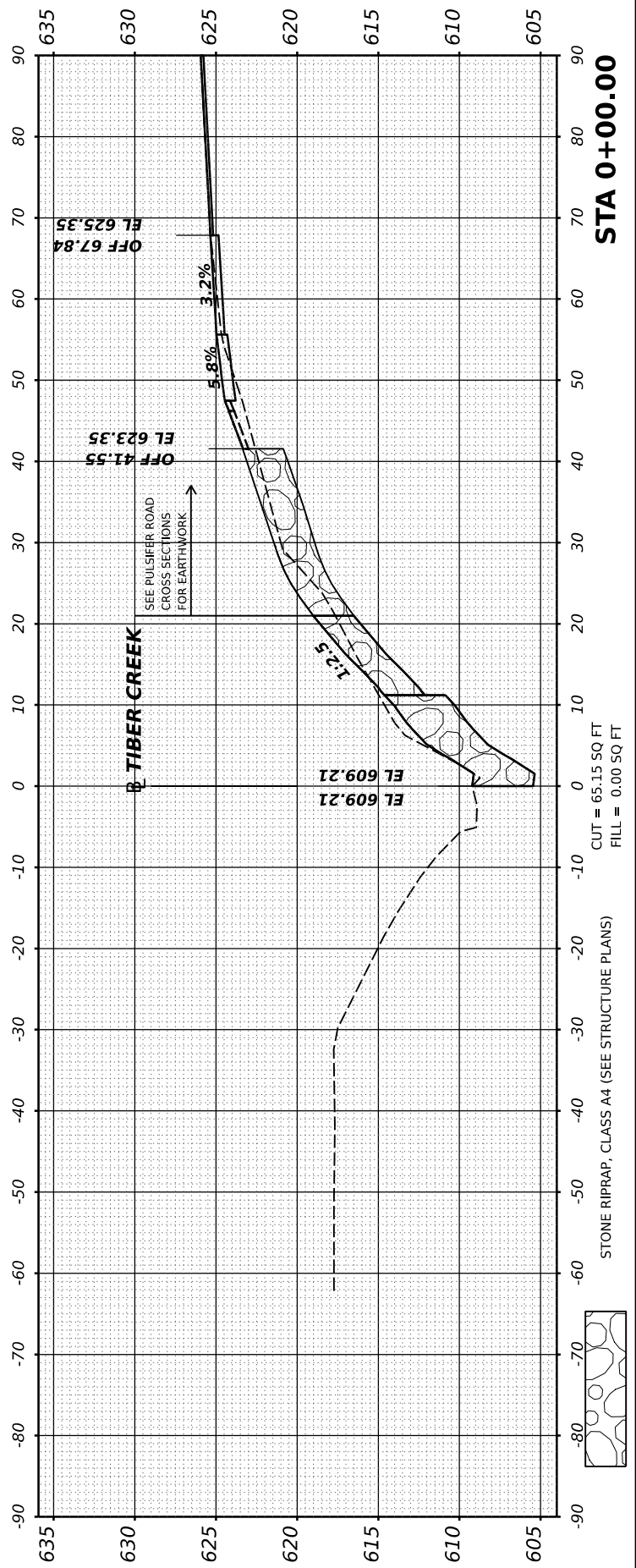
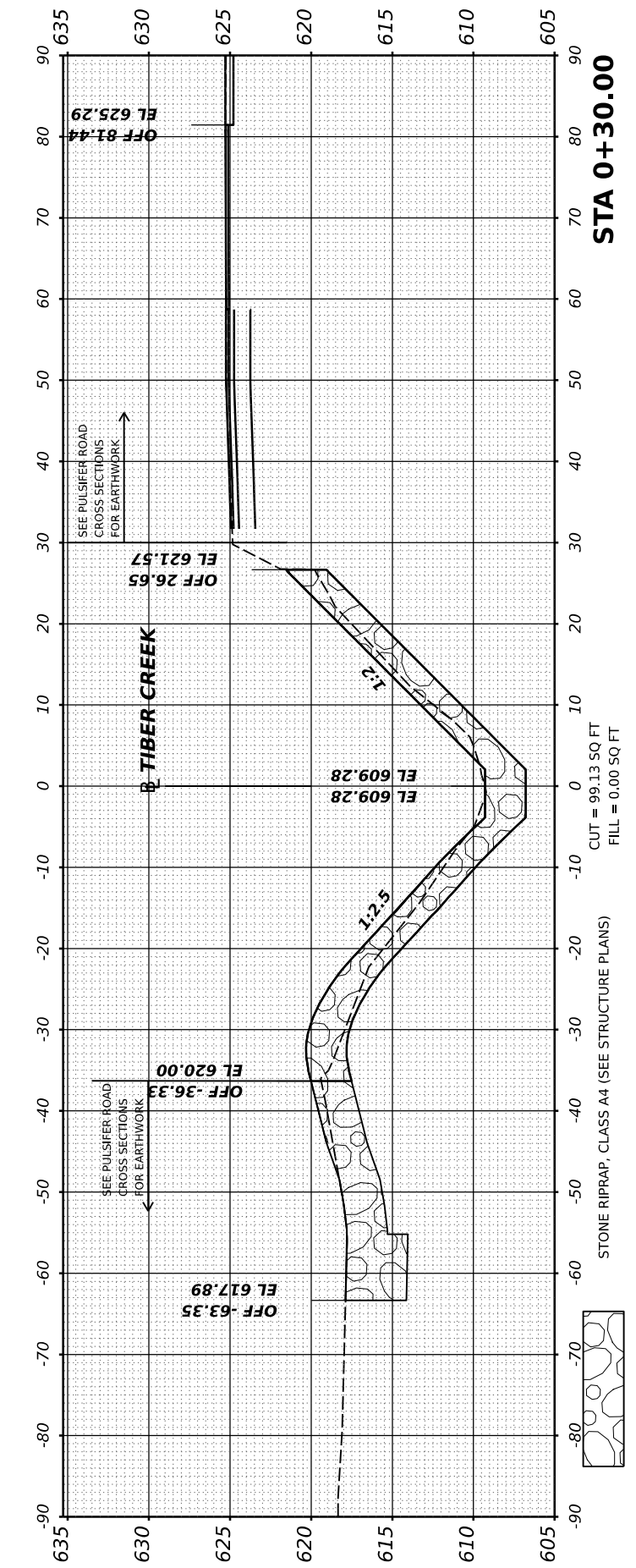
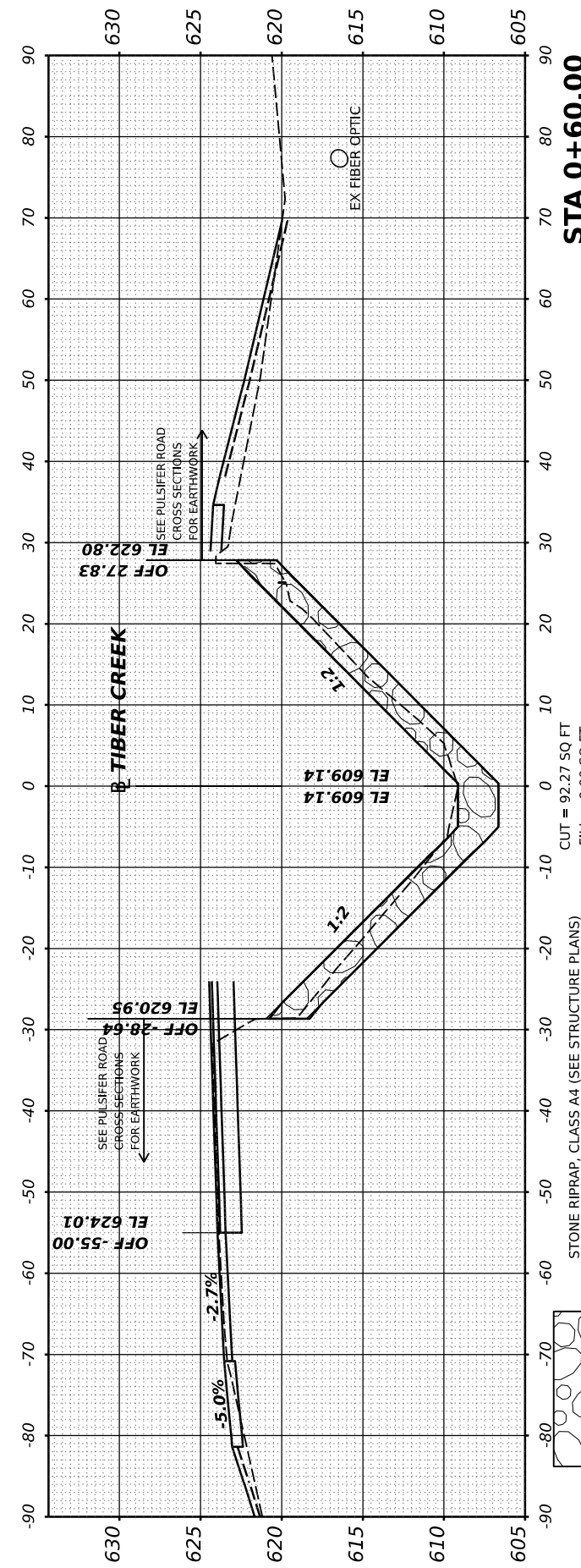
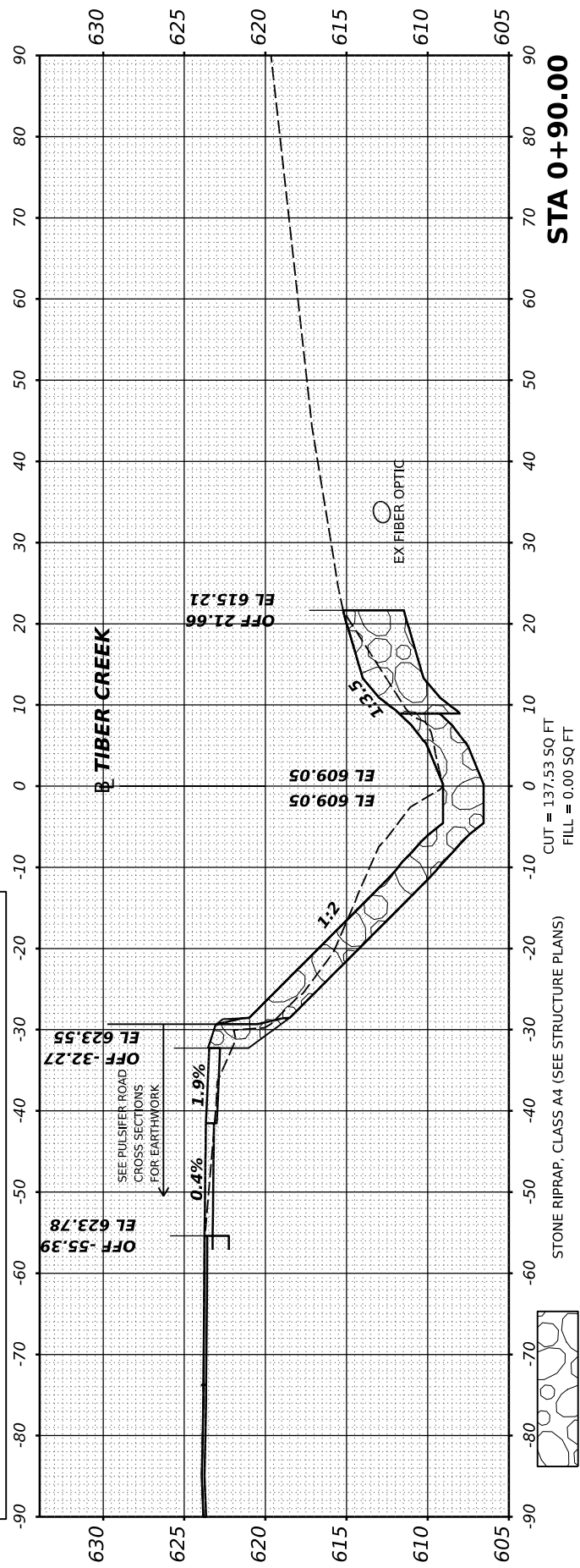
FINAL SURVEY NO.	SURVEYED BY	DATE
PLOTTED TEMPLATE		
NOTE BOOK		
AREAS CHECKED		



ORIGINAL SURVEY NO.	SURVEYED BY	DATE
NOTE BOOK		
AREAS CHECKED		

DESIGNED: RDH 6/14/2022 12:00:00 AM  
 DRAWN: RLA 6/14/2022 12:00:00 AM  
 REVIEWED: MGD 10/10/2022 12:00:00 AM  
 MODEL: Pbl\_Creek1 - 0-00000 (Sheet)  
 FILE NAME: E:\2110103\2110103\Road\Sheet\h-cs02.dgn

SECTIONS ARE FOR INFORMATIONAL PURPOSES ONLY.  
 SEE CREEK PLAN AND PROFILE SHEET FOR GRADING.



FINAL

USER NAME	ander00846
DESIGNED	RDH
DRAWN	RLA
CHECKED	MGD
DATE	10/10/2022 12:00:00 AM
REVISIONS	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.
<b>PULSIFER ROAD CREEK CROSS SECTIONS</b>				
CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	36
2110103			CONTRACT NO. 89821	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

DESIGNED - RDH 6/14/2022 12:00:00 AM  
 DRAWN - RLA 6/14/2022 12:00:00 AM  
 REVIEWED - MGD 10/10/2022 12:00:00 AM  
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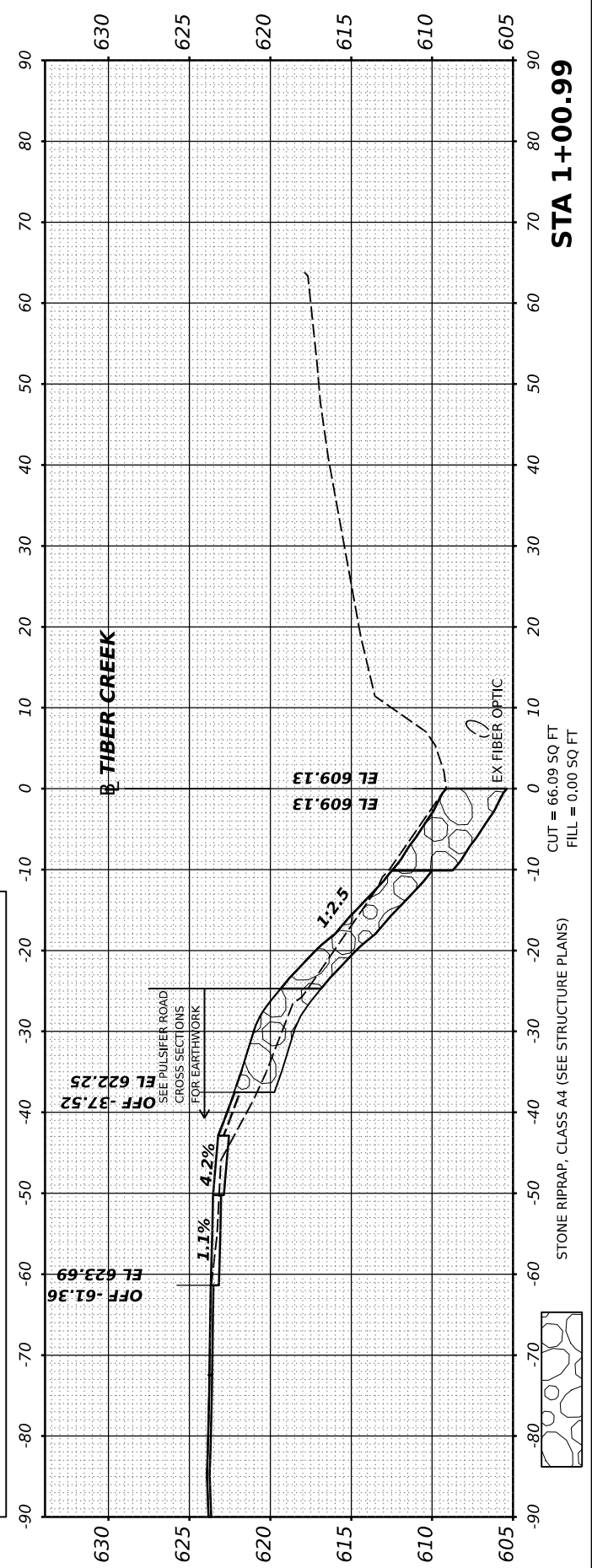
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	PLOT SCALE = 0.16666667' / in.	DRAWN - RLA	REVISED -
	PLOT DATE = 10/20/2022	CHECKED - MGD	REVISED -
		DATE - 10/10/2022 12:00:00 AM	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PULSIFER ROAD          CREEK CROSS SECTIONS</b>			
SCALE:	SHEET	OF SHEETS	STA.

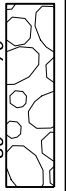
CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R23	20-00155-00-BR	PEORIA	37	37
2110103		CONTRACT NO. 89821		
ILLINOIS FED. AID PROJECT				

SECTIONS ARE FOR INFORMATIONAL PURPOSES ONLY.  
 SEE CREEK PLAN AND PROFILE SHEET FOR GRADING.



CUT = 66.09 SQ FT  
 FILL = 0.00 SQ FT

STONE RIPRAP, CLASS A4 (SEE STRUCTURE PLANS)



**STA 1+00.99**