

01-16-2026 LETTING ITEM 166

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	# 1
		ILLINOIS	CONTRACT NO.	89873

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA:

AKRON ROAD ADT:
ADT 2022: 275

POSTED SPEED: 55 MPH

DESIGN SPEED: 55 MPH

DESIGN DESIGNATION:

DESIGN POLICY: BLR MANUAL 3R

MINOR COLLECTOR

PROPOSED
HIGHWAY PLANS

C.H. D22 (AKRON ROAD)
SECTION 22-00112-00-BR
PROJECT NO. QF4C(244)
AKRON ROAD OVER BRANCH OF KICKAPOO CREEK
CULVERT REPLACEMENT
PEORIA COUNTY HIGHWAY DEPARTMENT
C-94-055-25



LOCATION OF SECTION INDICATED THUS: -

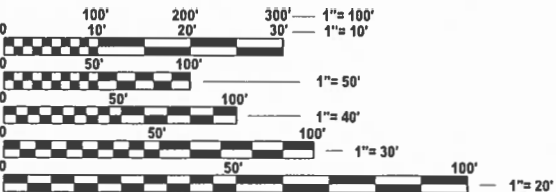
Jason M. Roitburd

JASON M. ROITBURD, P.E.
NO. 062-065592
EXPIRES: 11/30/2025
HR GREEN, INC.
(APPLIES TO SHEETS 1-15, 23-32)



Andy Underwager

ANDREW E. UNDERWAGER, P.E., S.E.
NO. 081-006218
EXPIRES: 11/30/2026
HR GREEN, INC.
(APPLIES TO SHEETS 16-22)



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: JASON M. ROITBURD
PROJECT MANAGER ANDY E. UNDERWAGER

CONTRACT NO. 89873
CATALOG NO. 036640-00D



R7E

T11N

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 400 FT. = 0.08 MILE
NET LENGTH = 400 FT. = 0.08 MILE

PROJECT ENDS
STA. 115+00.00
AKRON ROAD

PROJECT BEGINS
STA. 111+00.00
AKRON ROAD

EX STRUCTURE: 10'x10' DOUBLE
BARREL BOX CULVERT (S.N. 072-3076)
PR STRUCTURE: 10.5'x10' DUAL
BOX CULVERT (S.N. 072-3162)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>October 17</i> 20 <i>25</i> <i>Clay Bonafide Nelson</i> PEORIA COUNTY, COUNTY ENGINEER
PASSED	<i>10-28</i> 20 <i>25</i> <i>Jim Legian</i> DISTRICT 4 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>October 28</i> 20 <i>25</i> <i>David A. James</i> REGION 3 ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL NOT SCALE FROM THE PLANS FOR CONSTRUCTION PURPOSES. SCALES ARE SHOWN FOR INFORMATION ONLY.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING. THE CONTRACTOR SHALL NOTE ANY CHNAGES FROM THESE ENGINEERING PLANS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE INTENT OF THE ENGINEERING PLANS SUCH AS, BUT NOT LIMITED TO, DRAINAGE, GEOMETRICS, AND GRADING.
3. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE ON A REGULAR BASIS AND DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. RESTORATION SHALL BE INITIATED AS WORK PROGRESSES TO THE EXTENT CONSIDERED PRACTICAL.
4. THE CONTRACTOR SHALL RETURN ALL EXISTING AREAS (TO REMAIN) AFFECTED BY THE CONSTRUCTION ACTIVITES , PERSONNEL, OR EQUIPMENT TO THE ORIGINAL UNDISTURBED CONDITIONS. THE CONTRACTOR SHALL ADDITIONALLY PROTECT AND MAINTAIN ALL COMPLETED WORK IN ACCORDANCE WITH ARTICLE 107.03.
5. THE CONTRACTOR SHALL PLAN ALL OF THEIR WORK BASED UPON THEIR OWN EXPLORATIONS, SOIL BORINGS, AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS WITHIN THE PROPOSED IMPROVEMENTS. HOWEVER, THE OWNER HAS PERFORMED A GEOTECHNICAL INVESTIGATION AND THE GEOTECHNICAL REPORT WILL BE MADE AVAILABLE UPON REQUEST.

EARTHWORK NOTES

1. MEASUREMENT AND PAYMENT OF ALL EARTHWORK PAY ITEMS SHALL ONLY OCCUR ONCE. ANY AND ALL NECESSARY STOCKPILING AND EXTRA HANDLING OF EARTHWORK FOR LATER USE WILL NOT BE PAID FOR SEPARATELY BUT, SHALL BE FACTORED INTO THE CONTRACTOR'S BID UNIT PRICES FOR EARTH EXCAVATION AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. THIS INCLUDES INSTANCES OF SATURATED MATERIALS NEEDING TO BE DRIED PRIOR TO INCORPORATION OR DISPOSAL OFF-SITE.
2. UNDERCUTS (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES AND REPLACEMENT WITH ROCK FILL AND GEOTECHNICAL FABRIC) HAVE BEEN ESTIMATED BASED UPON THE GEOTECHNICAL REPORT. ALL UNDERCUTS SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR IN ACCORDANCE WITH IDOT MANUAL FOR TEST PROCEDURES OR MATERIALS AND THE IDOT SOILS FIELD TESTING AND INSPECTION MANUAL. FINAL QUANTITY OF UNDERCUTS SHALL BE AS DETERMINED AND MEASURED IN THE FIELD AND CHANGES IN QUANTITIES SHALL NOT BE CONSIDERED A SIGNIFICANT CHANGE UNDER ARTICLE 104.02.
3. A 15% SHRINKAGE FACTOR HAS BEEN APPLIED FOR ALL EMBANKMENT TO BE PLACED ON SITE.
4. EARTHWORK QUANTITIES AND EARTHWORK BALANCE DOES NOT INCLUDE USE OF TRENCH SPOILS IN EMBANKMENT. REMOVAL AND DISPOSAL OF TRENCH SPOILS WILL NOT BE PAID FOR SEPARATELY BUT, SHALL BE INCLUDED IN THE BID UNIT PRICE FOR TRENCH BACKFILL IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS. SUITABLE TRENCH SPOILS MAY BE UTILIZED AS EMBANKMENT IF APPROVED BY THE ENGINEER. EARTHWORK QUANTITIES HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR THE USE OF EXCESS TRENCH SPOILS IN EMBANKMENT.

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 (BORROW SITE REVIEW)
- 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.

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.

UTILITY AND DRAINAGE NOTES

1. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN IN THE PLANS IS FOR THE CONTRACTOR'S INFORMATION ONLY AND IS NOT TO BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUB-CONTRACTOR TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ITS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
2. WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF EXISTING UTILITY FACILITIES, SUCH INFORMATION ONLY REPRESENTS THE APPROXIMATE LOCATIONS BASED UPON PROVIDED ATLAS INFORMATION RECEIVED FROM UTILITY OWNERS. THE CONTRACTOR SHALL NOT ASSUME THAT THE LOCATIONS ARE EXACT, AND SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. THE CONTACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY FACILITIES FROM CONSTRUCTION ACTIVITIES EVEN IN THE EVENT THEY ARE NOT SHOWN IN THE PLANS. THE CONTRACTOR SHALL CONTACT "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 811 OR 1-800-892-0123 FOR FIELD LOCATION OF UTILITIES PRIOR TO ANY EXCAVATIONS. ANY UTILITY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE CONTRACTOR'S SCHEDULE SHALL REFLECT CONSTRUCTION SEQUENCING WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE SCHEDULE OF WORK TO COORDINATE WITH THE RELOCATION OF CONFLICTING UTILITY COMPANIES.
5. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES THROUGHOUT THE DURATION OF THE CONTRACT. METHODS UTILIZED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
6. ANY FARM DRAIN, FIELD TILE SYSTEM, OR OTHER TILE FACILITY ENCOUNTERED DURING THE PROPOSED WORK SHALL BE LOCATED, STAKED, AND REPORTED TO THE ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATING, OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER OR DITCH IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
7. BEFORE ORDERING PIPE CULVERTS OR STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
8. PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED STORM SEWER AND CULVERT PIPE SLOPES.
9. THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED FROM SEDIMENT IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.

AMEREN ILLINOIS NOTES

1. IF THE CONTRACTOR DETERMINES A LINE OUTAGE WILL BE REQUIRED TO SAFELY WORK WITHIN THE VICINITY OF EXISTING OVERHEAD FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVANCED NOTIFICATION AND COORDINATION WITH AMEREN ILLINOIS. AT A MINIMUM THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE NATURE OF THE WORK THAT WILL BE PERFORMED, TYPE OF CONSTRUCTION EQUIPMENT, AND AN EXPLANATION OF ALTERNATIVES (IF ANY) THAT MAY BE AVAILABLE WITH AN EXPLANATION OF WHY THEY WILL NOT BE PRACTICAL.
2. ANY AND ALL OPEN TRENCHING WITHIN THREE (3) FEET OF A UTILITY POLE MAY REQUIRE BRACING BY THE UTILITY COMPANY. BRACING MAY REQUIRE UP TO SIX (6) WEEKS NOTICE.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT (PRIME COAT)	0.05	LBS / SQ FT (MILLED HMA/AGED HMA)
	0.025	LBS / SQ FT (HMA LIFTS)
	0.25	LBS / SQ FT (AGGREGATE)
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS
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LIST OF HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT

LIST OF IDOT DISTRICT 4 STANDARDS

406301-D4	RURAL ENTRANCES FOR 3R PROJECTS (2 SHTS)
780001-D4	TYPICAL PAVEMENT MARKINGS (2 SHTS)

COMMITMENTS

1. THE COUNTY OF PEORIA WILL ISSUE A RELEASE OF TEMPORARY EASEMENT UPON COMPLETION OF THE PROJECT TO THE PROPERTY OWNER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER ROADWAY	HMA SURFACE ROADWAY
AC/PG:	PG64-22	PG64-22
DESIGNAIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE D
QUALITY MANAGEMENT:	QCQA	QCQA
MATERIAL TRANSFER DEVICE:	NO	NO

PEORIA COUNTY
HIGHWAY DEPARTMENT

GENERAL NOTES, INDEX OF SHEETS
AND LIST OF HIGHWAY STANDARDS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	2
		CONTRACT NO. 89873		
		ILLINOIS	FED. AID PROJECT	



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Illinois Professional Design Firm
184-001322

USER NAME = jtolibu	DESIGNED - JAG	REVISED -
	DRAWN - JAG	REVISED -
	CHECKED - JMR	REVISED -
PLOT DATE = 11/6/2025	DATE - 8/29/2025	REVISED -

SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.
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CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	873
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	80
20700220	POROUS GRANULAR EMBANKMENT	CU YD	484
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	478
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3593
25000210	SEEDING, CLASS 2A	ACRE	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	67
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	67
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	67
25100630	EROSION CONTROL BLANKET	SQ YD	3593
28000400	PERIMETER EROSION BARRIER	FOOT	900
28000500	INLET AND PIPE PROTECTION	EACH	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	250
28200200	FILTER FABRIC	SQ YD	702

* SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
28300400	AGGREGATE DITCH	TON	265
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	80
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1289
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	27
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2800
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	840
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	419
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	140
44000100	PAVEMENT REMOVAL	SQ YD	1022
44004000	PAVED DITCH REMOVAL	FOOT	268
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	44
50200100	STRUCTURE EXCAVATION	CU YD	580
50800105	REINFORCEMENT BARS	POUND	59180

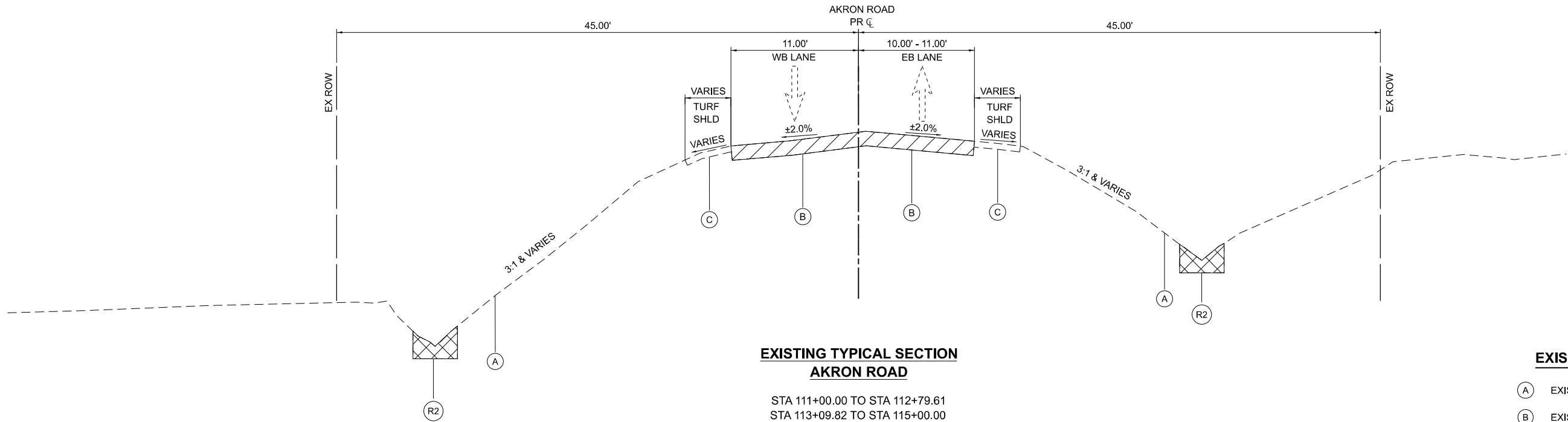
* SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
51500100	NAME PLATES	EACH	1
54003000	CONCRETE BOX CULVERTS	CU YD	209
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	56
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	137
61100605	MISCELLANEOUS CONCRETE	CU YD	10
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2
61139800	STORM SEWERS (SPECIAL), 4"	FOOT	20
61139900	STORM SEWERS (SPECIAL), 6"	FOOT	20
61140000	STORM SEWERS (SPECIAL), 8"	FOOT	20
67100100	MOBILIZATION	L SUM	1
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1000
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1000

* SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	50
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	2
X5021507	DEWATERING	L SUM	1
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	137
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X7010237	CHANGEABLE MESSAGE SIGN (SPECIAL)	CAL DA	108
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	50
# Z0076600	TRAINEES	HOUR	1,000
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000

* SPECIALTY ITEM # 0042



**EXISTING TYPICAL SECTION
AKRON ROAD**

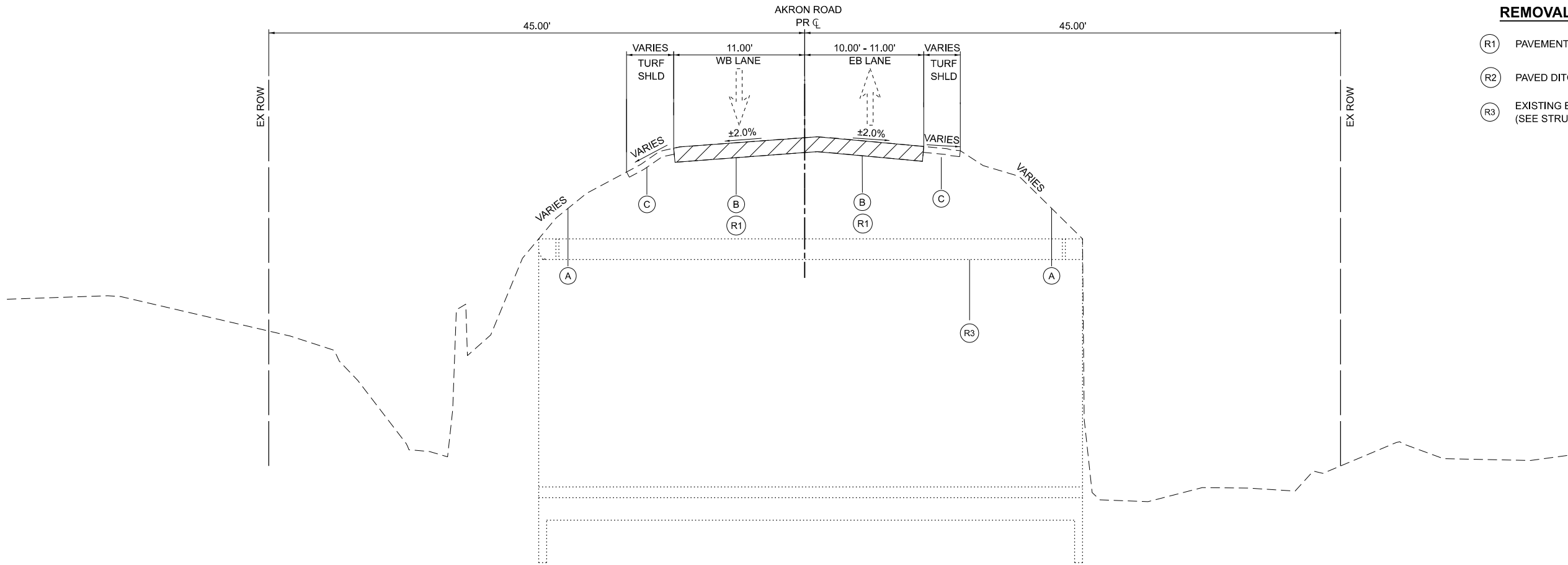
STA 111+00.00 TO STA 112+79.61
STA 113+09.82 TO STA 115+00.00

EXISTING LEGEND

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 8" ±
- (C) TURF SHOULDER

REMOVAL LEGEND

- (R1) PAVEMENT REMOVAL
- (R2) PAVED DITCH REMOVAL
- (R3) EXISTING BOX CULVERT TO BE REMOVED (SEE STRUCTURAL PLANS)



**EXISTING BOX CULVERT TYPICAL SECTION
AKRON ROAD**

STA 112+79.61 TO STA 113+09.82

MODEL: SH-1
FILE NAME: 2304001-sh-typicals.dgn



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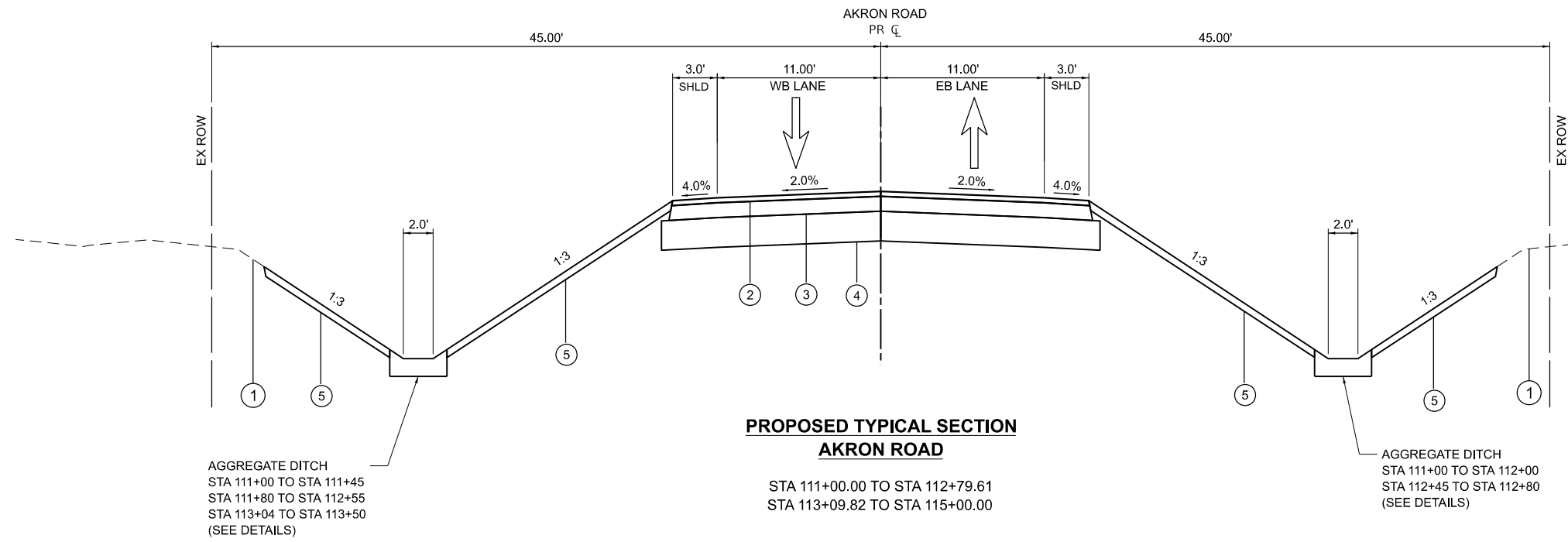
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PLOT DATE	= 10/17/2025	DATE	- 8/29/2025	REVISED	-

**PEORIA COUNTY
HIGHWAY DEPARTMENT**

**TYPICAL SECTIONS
AKRON ROAD**

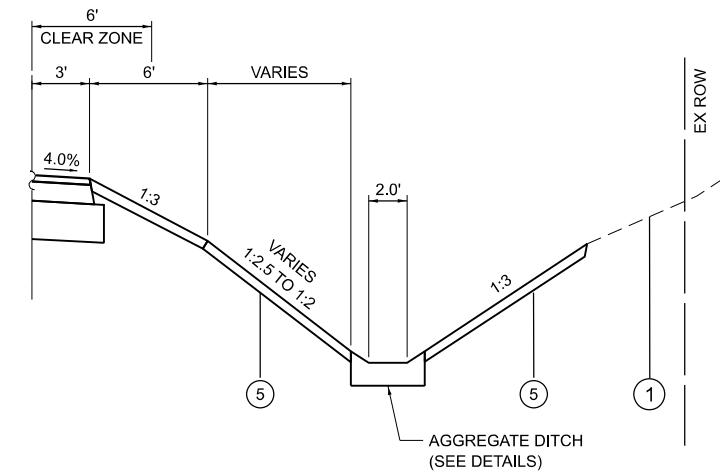
SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	7
			CONTRACT NO.	89873
			ILLINOIS	FED. AID PROJECT



**PROPOSED TYPICAL SECTION
AKRON ROAD**

STA 111+00.00 TO STA 112+79.61
STA 113+09.82 TO STA 115+00.00



FILL SLOPE GRADING DETAIL

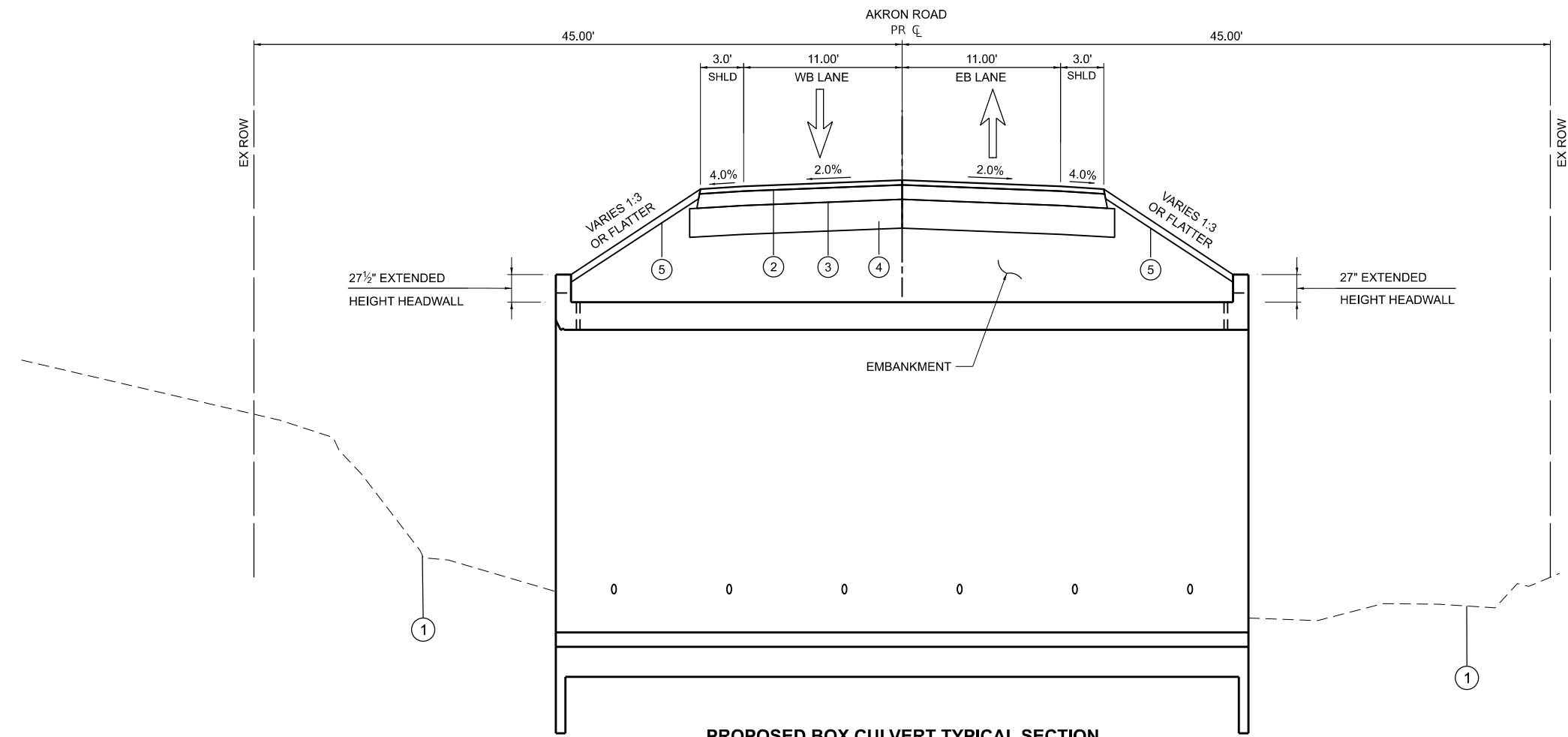
WHERE THE DITCH CANNOT BE CONSTRUCTED USING A 1:3 FORESLOPE, GRADE PROPOSED 1:3 FORESLOPE FOR 6', THEN GRADE TO THE PROPOSED DITCH PROFILE WITH A VARYING SLOPE. SEE BELOW FOR SLOPE VARIATIONS.

LEFT SIDE:
STA 111+70 (1:3) TO STA 112+20 (1:2)
STA 112+20 (1:2) TO STA 112+55 (1:2)
STA 113+04 (1:2.5) TO STA 113+40 (1:2)
STA 113+40 (1:2) TO STA 114+00 (1:2)
STA 114+00 (1:2) TO STA 114+50 (1:3)

RIGHT SIDE:
STA 111+00 (1:2) TO STA 112+50 (1:2)
STA 112+50 (1:2) TO STA 112+80 (1:2.5)
STA 113+30 (1:2.5) TO STA 113+60 (1:2.5)
STA 113+60 (1:2.5) TO STA 113+90 (1:2)
STA 113+90 (1:2) TO STA 114+40 (1:3)

PROPOSED LEGEND

- 1 EXISTING GROUND
- 2 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
- 3 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"
- 4 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 5 TOPSOIL FURNISH AND PLACE, 4"



**PROPOSED BOX CULVERT TYPICAL SECTION
AKRON ROAD**

STA 112+79.61 TO STA 113+09.82
(SEE STRUCTURAL DETAILS)

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LB / SQYD IN.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

MODEL: SH-2
FILE NAME: 2304001-sh-typicals.dgn



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184-001322

USER NAME = amiller	DESIGNED - JAG	REVISED -
	DRAWN - JAG	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED - JMR	REVISED -
PLOT DATE = 10/17/2025	DATE - 8/29/2025	REVISED -

**PEORIA COUNTY
HIGHWAY DEPARTMENT**

**TYPICAL SECTIONS
AKRON ROAD**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	8
CONTRACT NO.				89873
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)	EMBANKMENT (CU YD)	EARTH BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL FURNISH AND PLACE 4" (SQ YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
AKRON ROAD	873	742	63	679	3593			
NOMINAL UNDERCUT SUGGESTED IN GEOTECH REPORT						80	478	80
TOTAL	873	742	63	679	3593	80	478	80

NOTES:

1. ALL MATERIAL TO BE UTILIZED AS EMBANKMENT ON THIS PROJECT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS INCLUDED IN THIS CONTRACT AT THE TIME OF LETTING.
2. CUTS AND FILLS HAVE BEEN ADJUSTED FOR TOPSOIL PLACEMENT

SHRINKAGE FACTORS

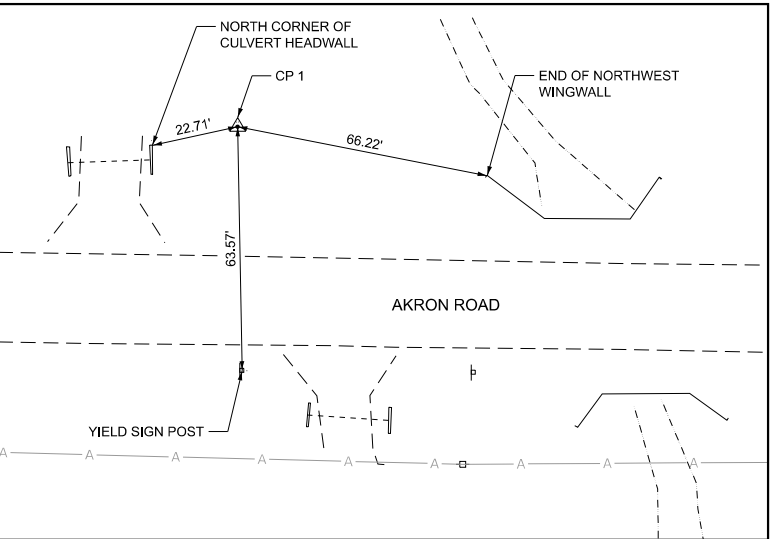
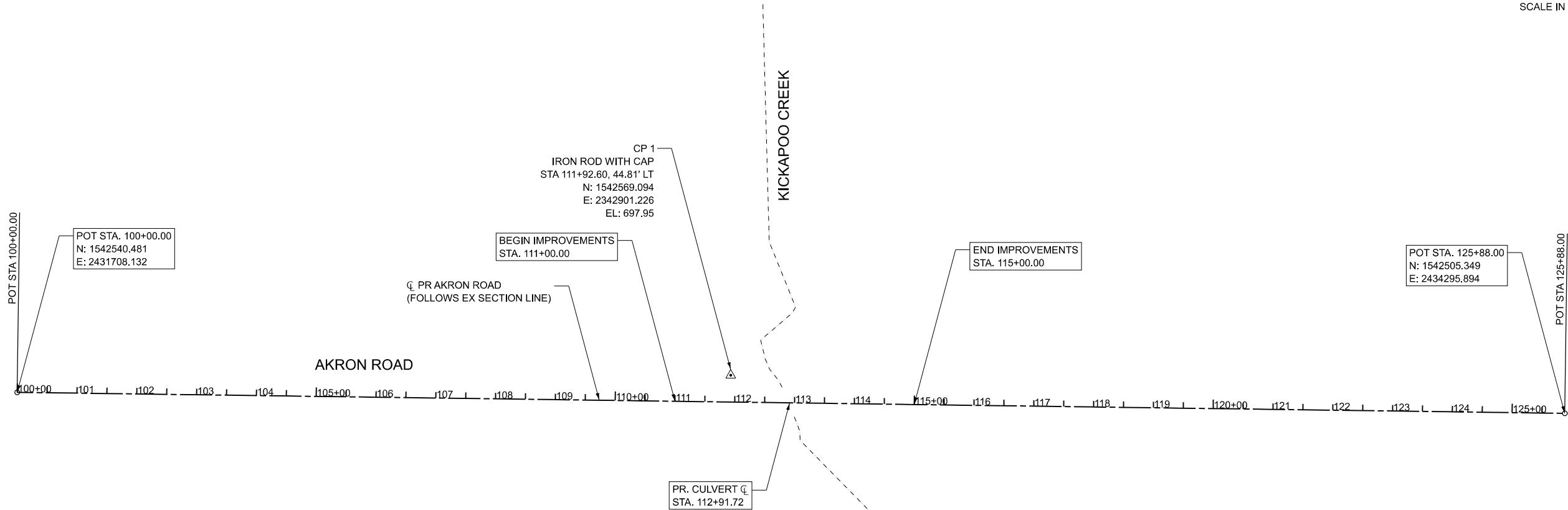
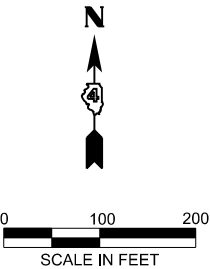
TOPSOIL & EARTH EXCAVATION 15%

PAY ITEMS

20200100	EARTH EXCAVATION	873	CU YD
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	80	CU YD
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIAZATION	478	SQ YD
21101625	TOPSOIL FURNISH AND PLACE, 4"	3,593	SQ YD
30300001	AGGREGATE SUBGRADE IMPROVEMENT	80	CU YD

PAVEMENT SCHEDULE

LOCATION	AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)		AGGREGATE SURFACE COURSE TYPE B (CU YD)		BITUMINOUS MATERIALS (PRIME COAT) (POUND)		BITUMINOUS MATERIALS (TACK COAT) (POUND)		HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50 (TON)		HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N50 (TON)		PAVEMENT REMOVAL (SQ YD)
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
AKRON ROAD													
STA 111+00.00 TO STA 115+00.00	644.5	644.5			1400.0	1400.0	420.0	420.0	209.1	209.1	69.7	69.7	1021.0
ENTRANCES													
FE STA 111+59.00, LT			14.0										
FE STA 112+21.00, RT				13.0									
TOTALS:	1289		27		2800		840		419		140		1021



CONTROL POINT 1
IRON ROD WITH CAP
STA 111+92.60, 44.81' LT
N: 1542569.094
E: 2342901.226
EL: 697.95

MODEL: SH-1
FILE NAME: \\hrgreen.com\hrg\Draws\2023\2304001\CAD\Sheets\2304001-shr-atb.dgn



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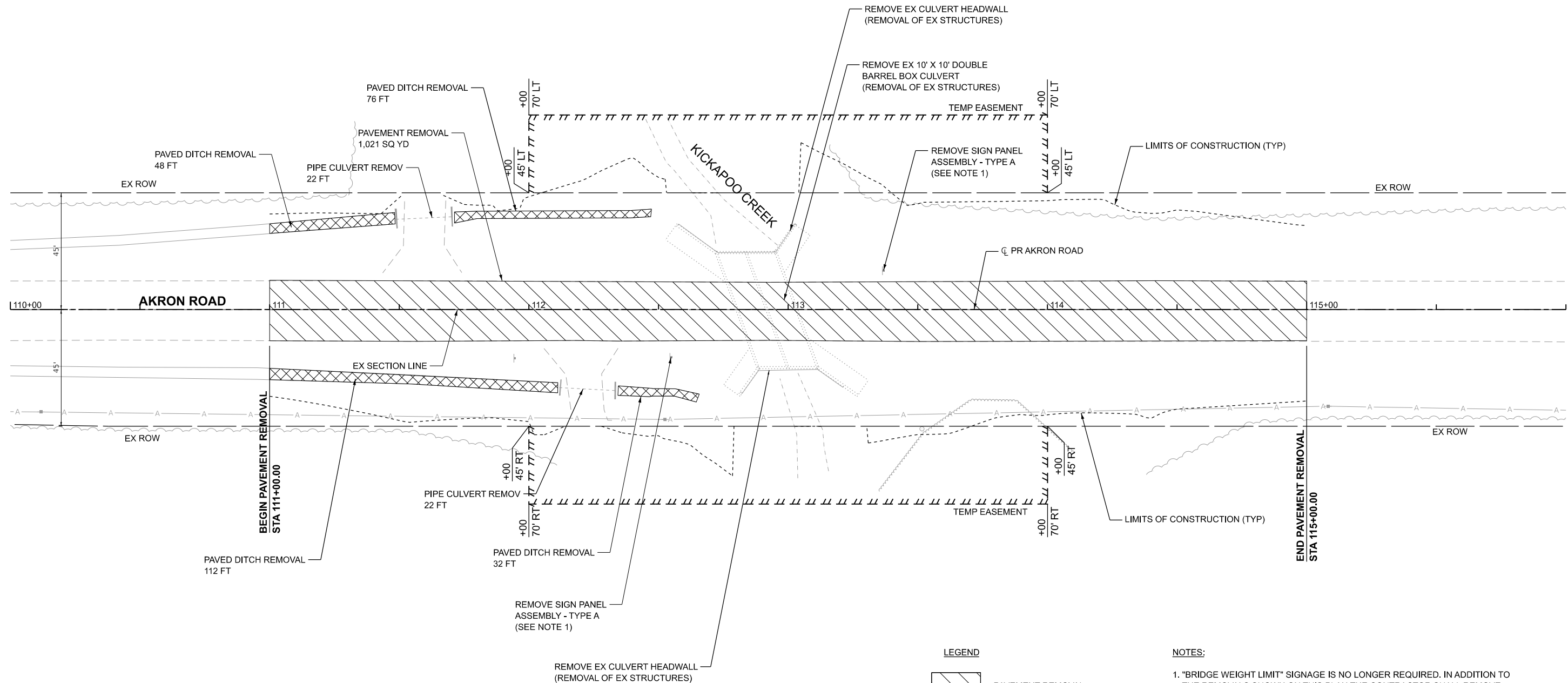
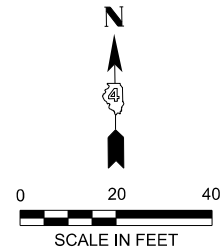
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PLOT DATE	= 10/17/2025	DATE	- 8/29/2025	REVISED	-

**PEORIA COUNTY
HIGHWAY DEPARTMENT**

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	10
CONTRACT NO. 89873				
ILLINOIS FED. AID PROJECT				



LEGEND

	PAVEMENT REMOVAL
	PAVED DITCH REMOVAL

NOTES:

1. "BRIDGE WEIGHT LIMIT" SIGNAGE IS NO LONGER REQUIRED. IN ADDITION TO THE REMOVALS SHOWN ON THIS PLAN THE CONTRACTOR SHALL REMOVE THE "BRIDGE WEIGHT LIMIT" SIGNAGE AT ROUTE 91 AND AKRON ROAD. REMOVAL OF ALL "BRIDGE WEIGHT LIMIT" SIGNS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "REMOVE SIGN PANEL ASSEMBLY - TYPE A".

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PLOT DATE = 10/17/2025	DATE - 8/29/2025	REVISED -

PEORIA COUNTY

HIGHWAY DEPARTMENT

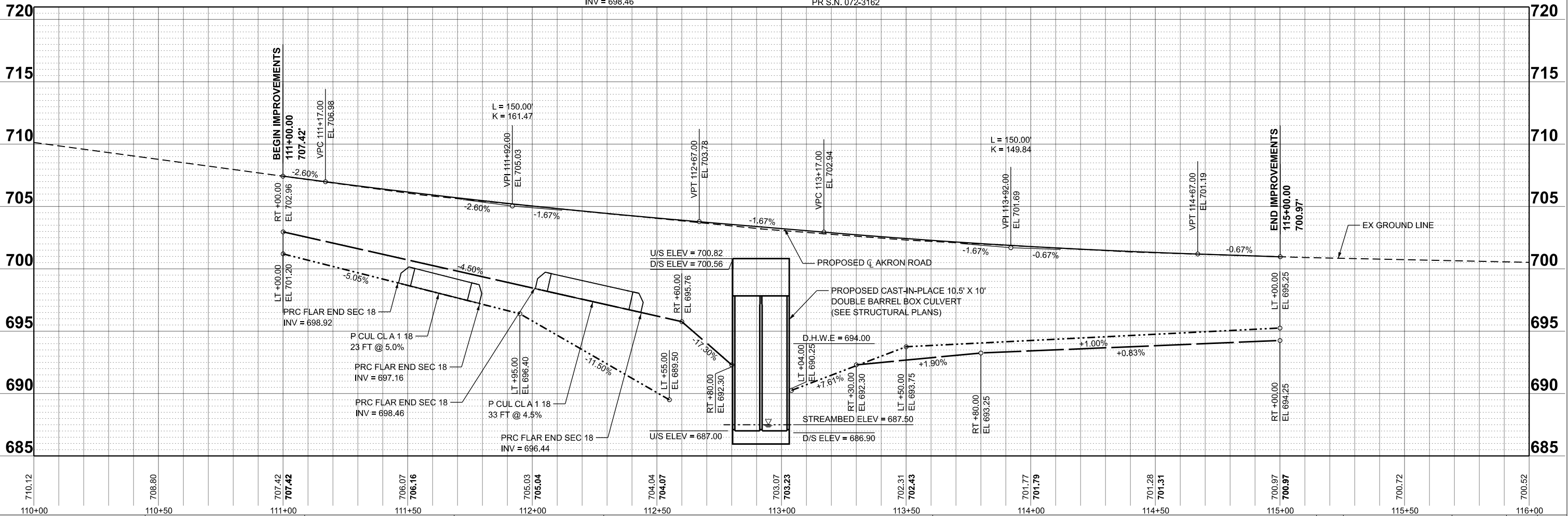
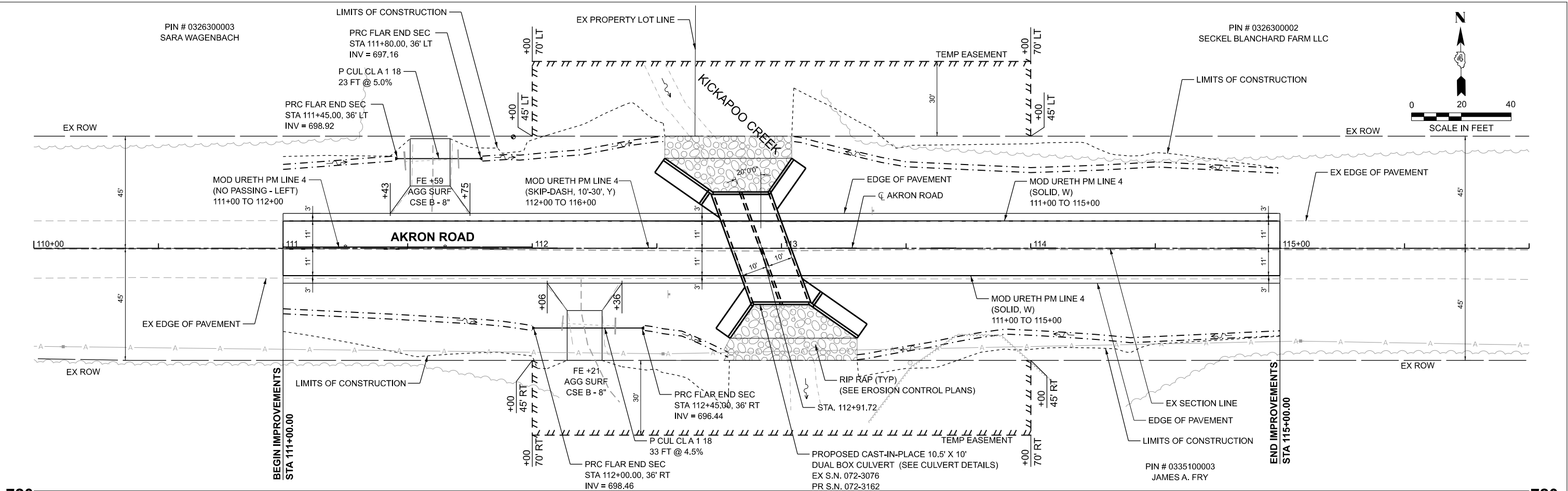
REMOVAL PLAN

AKRON ROAD

SCALE: 1"=20'	SHEET 1 OF 1 SHEETS	STA. 110+00.00 TO STA. 116+00.00
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RTE.	SECTION	COUNTY	SHEETS	NO.
D22	22-00112-00-BR	PEORIA	32	11
CONTRACT NO.			89873	
ILLINOIS		FED. AID PROJECT		

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	PLOT DATE = 10/17/2025		DATE - 8/29/2025		REVISED -	

PEORIA COUNTY
HIGHWAY DEPARTMENT

PLAN AND PROFILE AKRON ROAD						C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
SCALE: 1"=20'						SHEET 1	OF 1	SHEETS	STA. 110+00.00	TO STA. 116+00.00	D22	22-00112-00-BR	PEORIA	32	12
													CONTRACT NO. 89873		
						ILLINOIS		FED. AID PROJECT							

DETOUR NOTES

1. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY ACCESS TO ALL ENTRANCES LOCATED WITHIN THE WORK ZONE. ANY ENTRANCE THAT MUST BE CLOSED DUE TO CONSTRUCTION OPERATIONS SHALL BE COORDINATED WITH THE PROPERTY OWNER AT LEAST 48 HOURS PRIOR TO CLOSURE OF THE ENTRANCE.
2. AGGREGATE SURFACE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT FOR EACH FIELD ENTRANCE (2) AND EACH PRIVATE ENTRANCE (2) CONSTRUCTED, AND SHALL BE PAID FOR AT THE CONTRACT UNIT COST EACH FOR 'TEMPORARY ACCESS (FIELD ENTRANCE)'.
3. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES, AS SPECIFIED BY THE SPECIAL PROVISIONS, SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS, SHALL BE INCLUDED IN THE COST OF THE PAY ITEM 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'

TEMPORARY DETOUR DURATION

THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED IN THE PLANS TO REMAIN IN PLACE FOR THE DURATION OF TIME SPECIFIED IN THE SPECIAL PROVISION FOR "ROAD CLOSURE REQUIREMENTS." THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED STRUCTURE AND ROADWAY DURING THIS CLOSURE. THE ROADWAY MUST HAVE THE HMA SURFACE COURSE PLACED BEFORE THE ROADWAY IS OPENED TO TRAFFIC. IF THE SURFACE COURSE IS NOT COMPLETED IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR'S EXPENSE.

CHANGEABLE MESSAGE SIGN, SPECIAL

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE EAST AND WEST SIDES OF THE PROJECT, TO WARN THE PUBLIC OF THE PENDING CLOSURE. THE MESSAGE BOARDS SHALL BE PLACED AND SET OUT FOR FOURTEEN (14) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE MESSAGE BOARDS AND THE MESSAGE THAT IS TO BE DISPLAYED. THE MESSAGE MAY PERIODICALLY BE CHANGED BY THE COUNTY AND/OR ENGINEER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE(S). THE MESSAGE BOARDS WILL BE PAID FOR AS 'CHANGEABLE MESSAGE SIGN, SPECIAL' PER CALENDAR DAY FOR EACH MESSAGE SIGN UTILIZED.

LOCAL AGENCY CONTACTS

THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL MUNICIPALITIES, TOWNSHIP, AND COUNTY ENTITIES WITHIN THE PROJECT LIMITS TO THE SATISFACTION OF THE ENGINEER.

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. IF THERE ARE CONSTRUCTION OPERATIONS COMPLETED OUTSIDE OF THE DURATION OF THE ROADWAY CLOSURE, THOSE CONSTRUCTION OPERATIONS WILL BE CONDUCTED SO ONE LANE IN EACH DIRECTION ON AKRON ROAD REMAINS OPEN AT ALL TIMES.
2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS, AND LIGHTS FOR THE WARNING AND PROTECTION OF TRAFFIC, AS REQUIRED BY SECTIONS 107 AND 701 THROUGH 703 OF THE STANDARD SPECIFICATIONS, AND AS MODIFIED.
3. IF REQUIRED, THE CONTRACTOR SHALL FURNISH AND ERECT "ROAD CONSTRUCTION AHEAD" SIGNS (W20-1 (O)-18) AT BOTH ENDS OF THE PROJECT AND AT ALL SIDE ROADS WITHIN THE LIMITS OF THIS SECTION WHEN WORKING IN THE VICINITY OF THE SIDE ROAD INTERSECTION.

OFF-PEAK HOURS

FOR CONSTRUCTION OPERATIONS OUTSIDE THE DESIGNATED DETOUR PERIOD, THE "OFF-PEAK" HOURS ARE DEFINED AS THE DAYTIME HOURS FROM 9:00 A.M. TO 3:00 P.M. AND NIGHT TIME HOURS FROM 9:00 P.M. TO 6:00 A.M., MONDAY THROUGH FRIDAY. THE CONTRACTOR MAY REQUEST IN WRITING FOR THESE HOURS TO BE EXTENDED.

KEEPING ROADS OPEN TO TRAFFIC

THE CONTRACTOR SHALL SCHEDULE THEIR SEQUENCE OF OPERATIONS TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

1. AKRON ROAD MAY BE COMPLETELY CLOSED TO TRAFFIC, WITHIN THE WORKZONE, FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.

SEQUENCE OF CONSTRUCTION

IN GENERAL, THE STAGING OF CONSTRUCTION FOR THIS SECTION SHALL BE AS FOLLOWS:

MAJOR WORK ITEMS - STAGE 1 (ROADWAY CLOSURE) AKRON ROAD

- SET UP CHANGEABLE MESSAGE BOARD(S)
- SET UP DETOUR AS DETAILED IN THE PLANS
- SET UP TEMPORARY EROSION CONTROL MEASURES
- REMOVE EXISTING PAVEMENTS AND BOX CULVERT
- PLACE BOX CULVERT
- CONSTRUCT EMBANKMENT, SUBGRADE, AND AGGREGATE BASE COURSES
- CONSTRUCT SHOULDERS AND PAVEMENTS (INCLUDING FINAL SURFACE)
- PLACE PERMANENT PAVEMENT MARKINGS**

MAJOR WORK ITEMS - STAGE 2 RESTORATION

THESE OPERATIONS MAY TAKE PLACE AFTER THE ROADWAY IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THESE WORK OPERATIONS UNDER THE APPROPRIATE IDOT TRAFFIC CONTROL STANDARD. THESE STANDARDS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL).'

- PLACE PERMANENT RESTORATION
- PLACE PERMANENT SIGNAGE
- FINALIZE PUNCH LIST AND SITE CLEANUP

** IF THE CONTRACTOR ELECTS TO COMPLETE PERMANENT PAVEMENT MARKINGS OUTSIDE OF THE CLOSURE PERIOD, THEN THE CONTRACTOR SHALL PLACE THE APPROPRIATE TEMPORARY PAVEMENT MARKINGS. ALL MARKINGS ON THE PERMANENT SURFACES SHALL BE TAPE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THE TEMPORARY PAVEMENT MARKINGS.

PEORIA COUNTY
HIGHWAY DEPARTMENT

DETOUR NOTES
AKRON ROAD

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	13
			CONTRACT NO.	89873
ILLINOIS		FED. AID PROJECT		



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	DRAWN - JAG	REVISED -
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PLOT DATE = 10/17/2025	DATE - 8/29/2025	REVISED -

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MODEL: SHI-2
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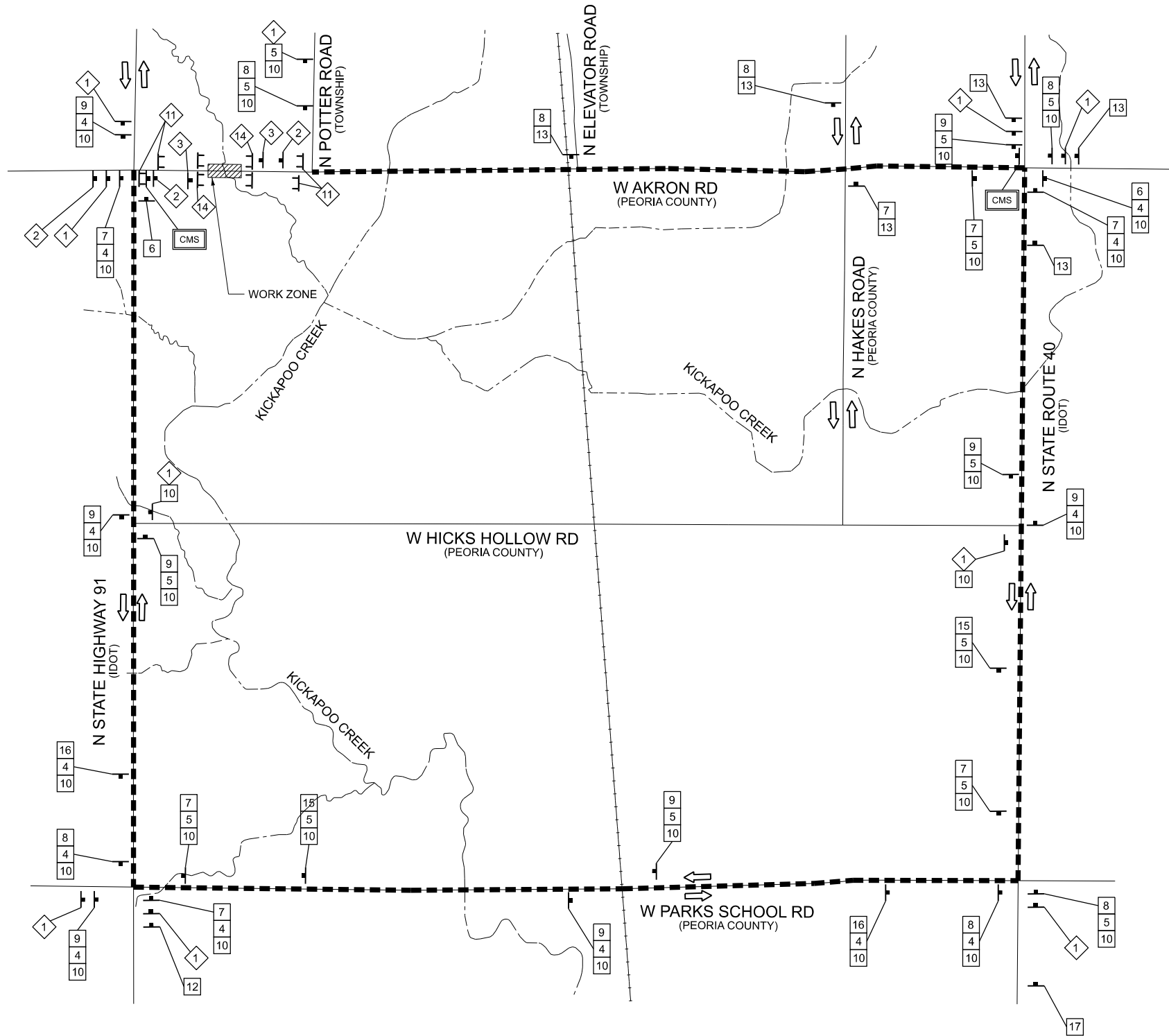
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CHECKED	- JMR	REVISED	-
DATE	- 8/29/2025	REVISED	-

PEORIA COUNTY
HIGHWAY DEPARTMENT

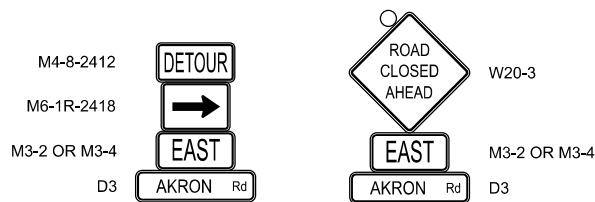
DETOUR PLAN
AKRON ROAD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

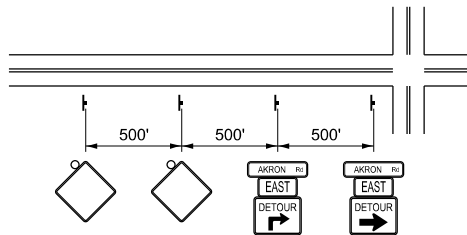
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D22	22-00112-00-BR	PEORIA	32	14
CONTRACT NO.				89873
ILLINOIS FED. AID PROJECT				



TYPICAL DETOUR SIGN CONFIGURATION



TYPICAL DETOUR SIGN SPACING

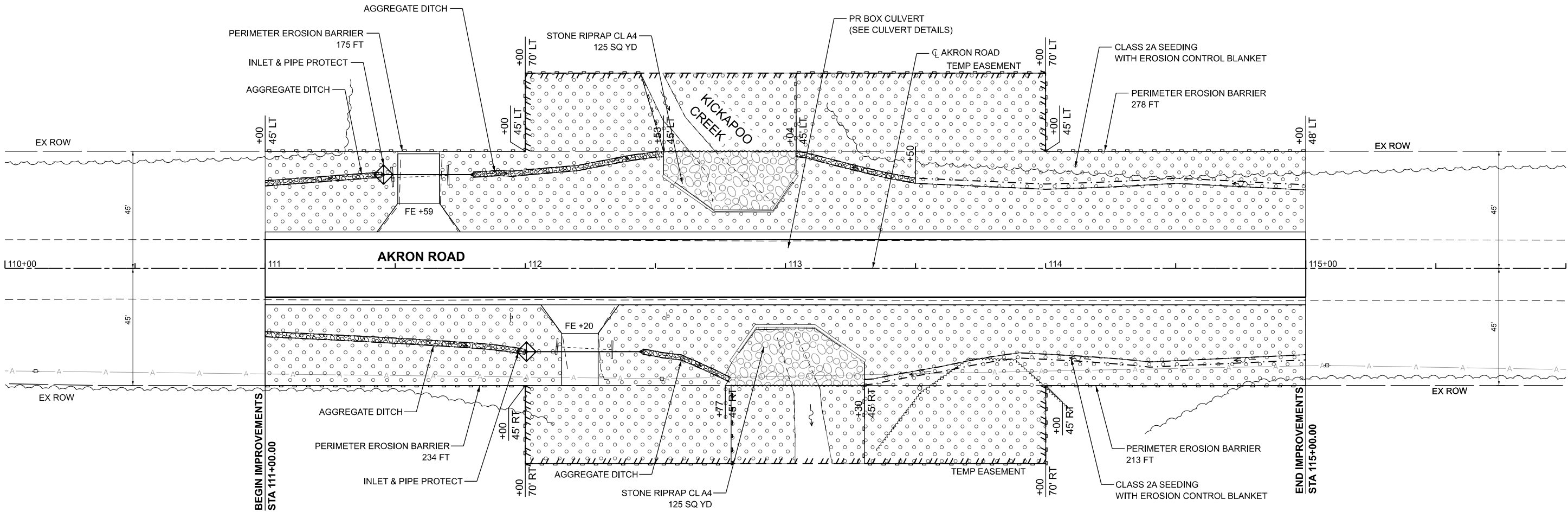
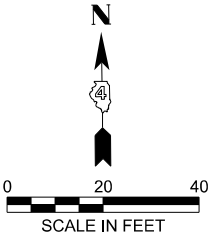


LEGEND

- CMS CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE
- DETOUR SIGN
- TYPE III BARRICADE WITH TYPE A FLASHER
- TYPE A FLASHER
- DETOUR SIGN ASSEMBLY WITH STREET NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)
- W20 SERIES SIGN (NUMBER DENOTES TYPE)
- OTHER SIGN (NUMBER DENOTES TYPE)

SCHEDULE OF DETOUR SIGNS

SIGN NO.	SIGN	MUTCD CODE-SIZE
1	DETOUR AHEAD	W20-2-4848
2	ROAD CLOSED AHEAD	W20-3-4848
3	ROAD CLOSED 500 FT	W20-3-4848
4	EAST	M3-2(O)-2412
5	WEST	M3-4(O)-2412
6	END DETOUR	M4-8A-2418
7	DETOUR	M4-8-2412
8	DETOUR	M6-1R-2418
9	DETOUR	M4-8-2412
10	AKRON Rd	D3-(O)3612-VAR
11	ROAD CLOSED TO THRU TRAFFIC	R11-4-6030
12	EAST AKRON RD CLOSED AT IL 91	R11-3a-(O)-4848
13	AKRON RD CLOSED AT POTTER RD	R11-3a-(O)-4848
14	ROAD CLOSED	R11-2-(O)-3048
15	DETOUR	M4-8-2412
16	DETOUR	M5-1R-2418
17	AKRON RD CLOSED AT POTTER ROAD ELEVATOR ACCESS OPEN	R11-3a-(O)-4848



- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIVERTING WATER FROM THE CONSTRUCTION AREA. THE CONTRACTORS MEANS AND METHODS SHALL MEET THE APPROVAL OF THE ENGINEER.
 2. NO WORK SHALL BE PERMITTED IN FLOWING WATER, WITH THE EXCEPTION OF COFFERDAM CONSTRUCTION.
 3. COFFERDAMS SHALL BE CONSTRUCTED OF NONERODIBLE MATERIALS SUCH AS STONE, METAL, PLASTICS, GEOSYNTHETICS, SANDBAGS, OR OTHER PRODUCTS AS APPROVED BY THE ENGINEER. COFFERDAM MATERIALS SHALL BE FREE OF POLLUTANTS SUCH AS SOIL, SILT, SAND, GREASE, AND OIL.
 4. ALL WATER DISCHARGES SHALL BE ONTO AN APPROPRIATE SEDIMENT BAG OR ENERGY DISSIPATION TREATMENT TO PREVENT SCOUR AND SEDIMENTATION OFF SITE.
 5. THE CONTRACTOR SHALL BEAR ALL LIABILITY AND PENALTIES FOR DISTURBANCES BEYOND THE LIMITS SHOWN IN THE CONTRACT.

LEGEND	
	RIP RAP
	PAVED DITCH
	CLASS 2A SEEDING WITH EROSION CONTROL BLANKET

MODEL: SH-1
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	DRAWN - JAG	REVISED -
	CHECKED - JMR	REVISED -
PLOT DATE = 10/17/2025	DATE - 8/29/2025	REVISED -

PEORIA COUNTY
HIGHWAY DEPARTMENT

EROSION CONTROL PLAN
AKRON ROAD

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 110+00.00 TO STA. 116+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	15
CONTRACT NO. 89873				
ILLINOIS FED. AID PROJECT				

Benchmark:
Iron rod with cap.
N: 1542569 E: 2342901
Elev. 697.96

Existing Structure:
S.N. 072-3076 was originally constructed
in 1957 under Sec. 112MFT. The structure
consists of a cast-in-place 10'x10' double
barrel box culvert with a 20° right ahead skew.

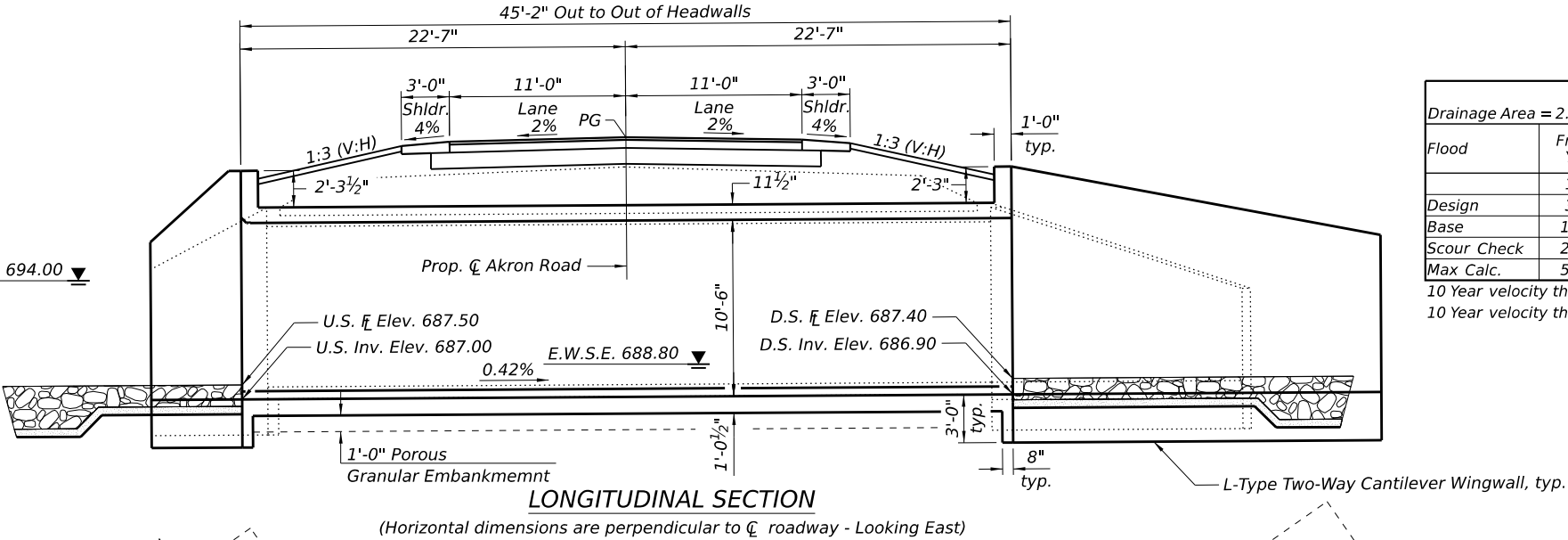
Traffic to be detoured while the culvert is
removed and replaced.

Salvage: None

D.H.W.E. 694.00

INDEX OF SHEETS

- 1. General Plan & Elevation
- 2. General Data
- 3. Culvert Details - Top & Bottom Slab
- 4. Culvert Details
- 5. Culvert Details
- 6. Culvert Details
- 7. Soil Boring Logs



WATERWAY INFORMATION

Flood		Freq. Yr.	Q C.F.S.	Opening Ft'		Nat. H.W.E.	Head - Ft.		Headwater El.	
				Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design		10	461	110	128	693.0	0.0	0.0	693.0	693.0
Base		30	682	130	148	694.0	0.0	0.0	694.0	694.0
Scour Check		100	967	151	168	695.0	0.2	0.1	695.2	695.1
Max Calc.		200	1,140	162	172	695.5	0.4	0.3	695.9	695.8
		500	1,380	176	192	696.2	0.8	0.6	697.0	696.8

Exist. Overtopping Elev. = 700.2 @ Sta. 117+50
Prop. Overtopping Elev. = 700.2 @ Sta. 117+50

Drainage Area = 2.8 sq. mi.

10 Year velocity through existing structure = 4.2 ft./sec.
10 Year velocity through proposed structure = 3.6 ft./sec.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design
Specifications, 9th Edition

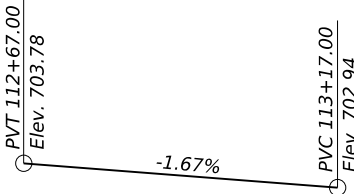
DESIGN STRESSES

FIELD UNITS

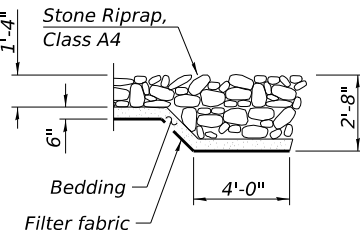
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93

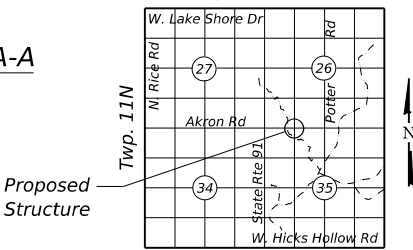
Allow 50#/sq. ft. for future wearing surface.



SECTION A-A



LOCATION SKETCH



GENERAL PLAN & ELEVATION
AKRON ROAD (C.H. D22) OVER
BRANCH OF KICKAPOO CREEK
SEC. 22-00112-00-BR
PEORIA COUNTY
STATION 112+91.72
S.N. 072-3162



Andy Underwager 10/8/2025
ANDREW E. UNDERWAGER, S.E. DATE
License Number: 081-006218
My license renewal date is November 30, 2026.

LEGEND

- A- Aerial Utility
- Soil Boring

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 7 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	16
CONTRACT NO. 089873				
ILLINOIS FED. AID PROJECT				

USER NAME = amiller	DESIGNED - FAS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - AEU	REVISED -
PLOT DATE = 10/17/2025	DRAWN - WJH	REVISED -
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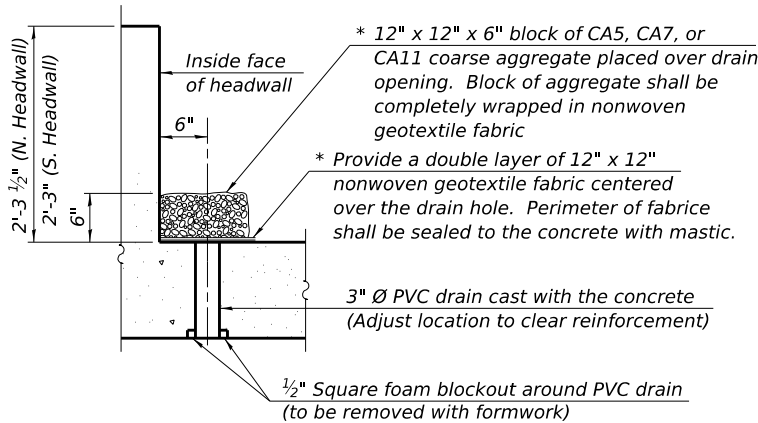
GENERAL NOTES

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

Precast option is not allowed.

TOTAL BILL OF MATERIALS

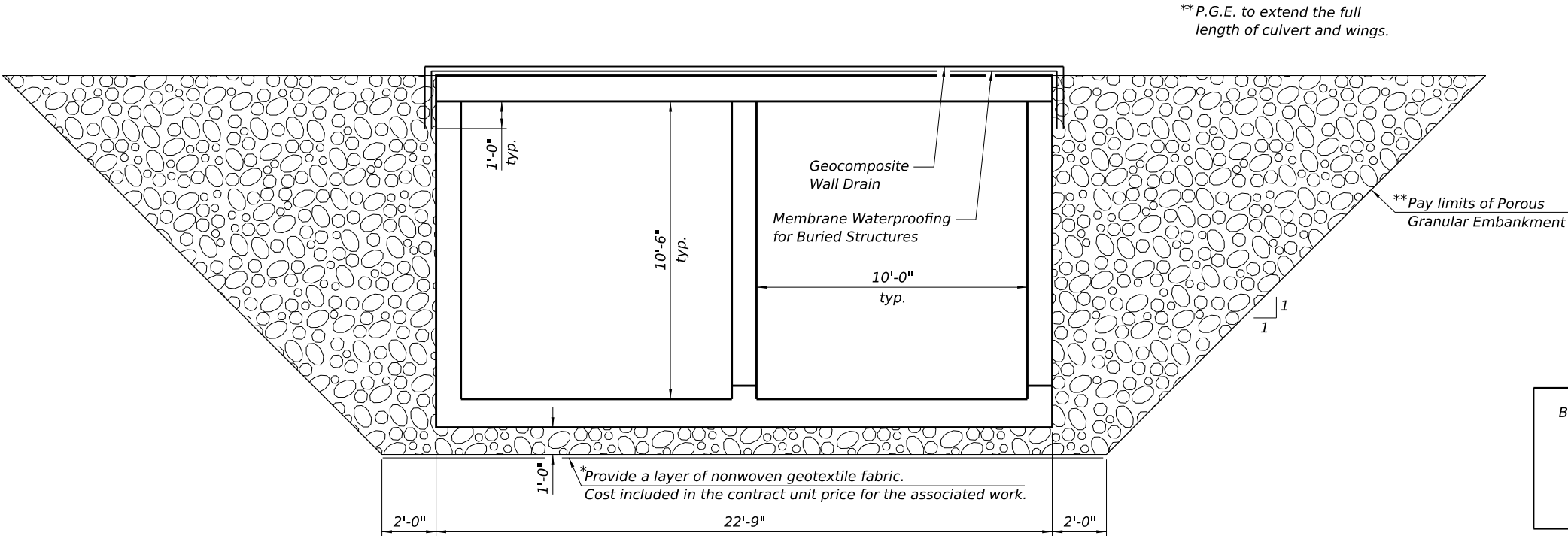
ITEM	UNIT	TOTAL QUANTITY
Porous Granular Embankment	Cu. Yd.	484
Stone Riprap, Class A4	Sq. Yd.	110
Filter Fabric	Sq. Yd.	110
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	580
Reinforcement Bars	Pound	59,180
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	209.0
Geocomposite Wall Drain	Sq. Yd.	137
Membrane Waterproofing for Buried Structures	Sq. Yd.	137



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



SECTION THRU BARREL

(@ Rt. L's to ¢ Structure)

Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures

BRANCH OF KICKAPOO CREEK
BUILT BY
PEORIA COUNTY
SEC. 22-00112-00-BR
LOADING HL-93
STR. NO. 072-3162

NAME PLATE

See Std. 515001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

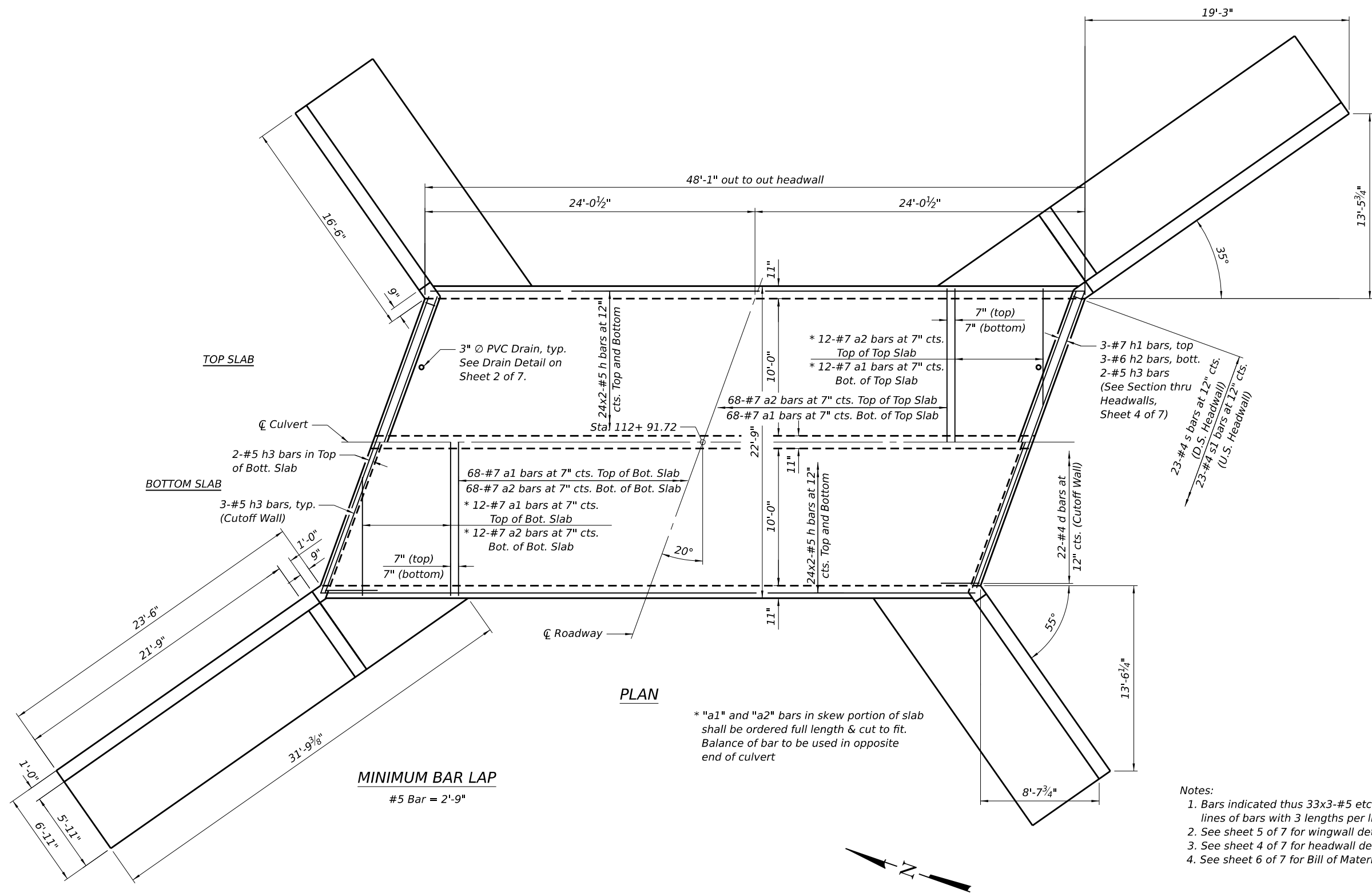
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STRUCTURE NO. 072-3162

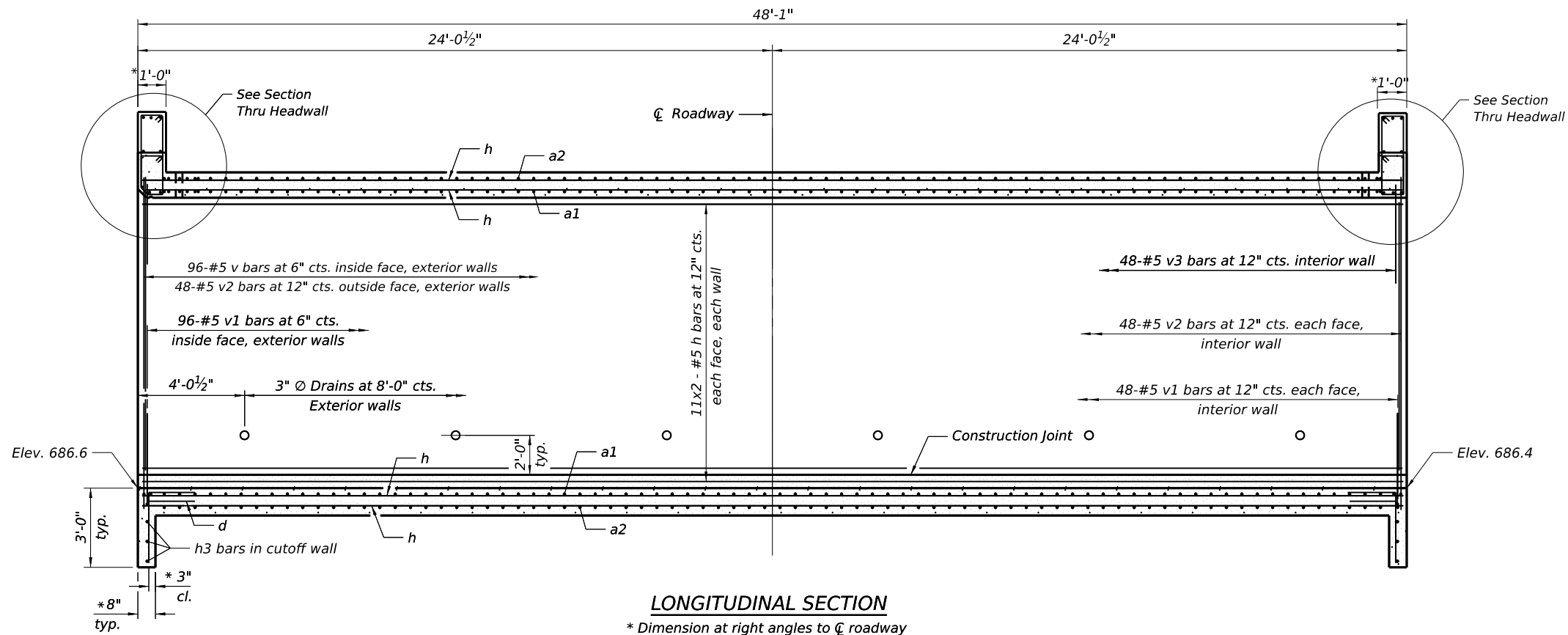
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CONTRACT NO. 089873				
ILLINOIS FED. AID PROJECT				

SHEET 2 OF 7 SHEETS

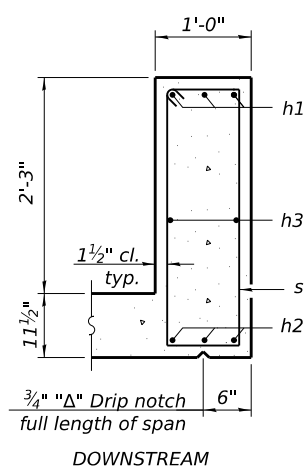
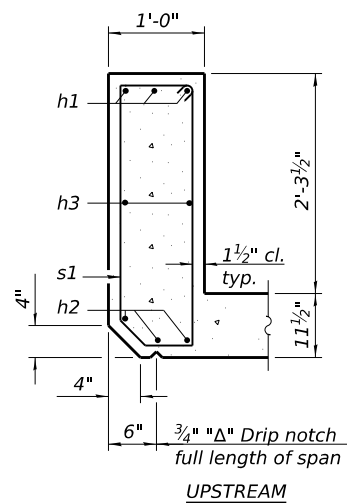
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PLOT DATE = 10/17/2025	CHECKED - AEU	REVISED -

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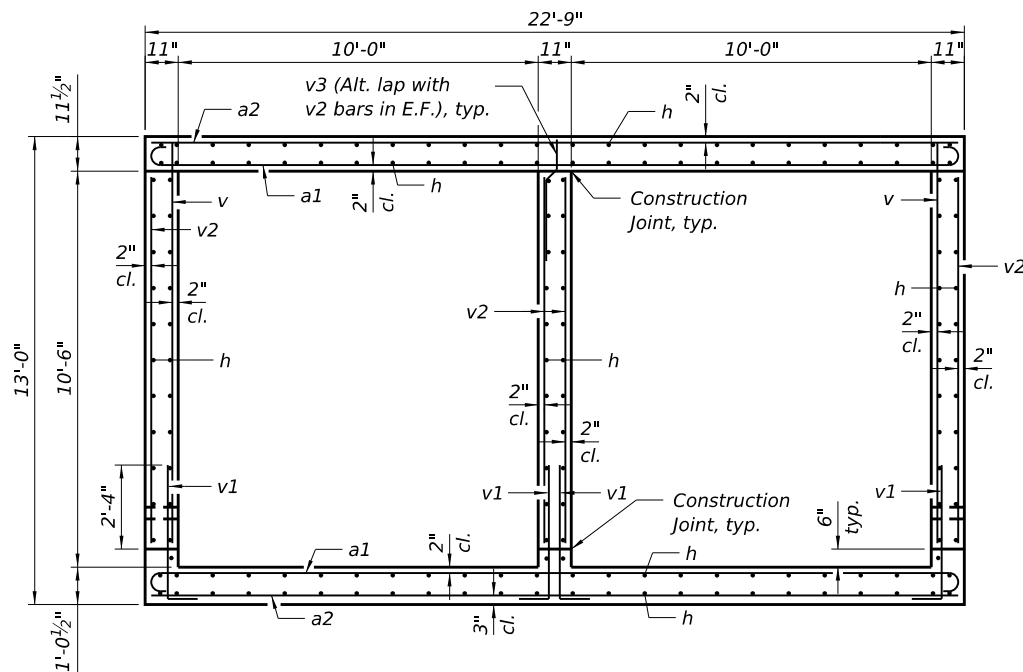




MINIMUM BAR LAP
#5 Bar = 2'-9"



SECTION THRU HEADWALL



(Horizontal dimensions are at right angles to CL Culvert)

Notes:

1. At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.
2. Bars indicated thus 11x2-#5 etc. indicates 11 lines of bars with 2 lengths per line.

MODEL: Culvert-Sections [Sheet]
FILE NAME: \\hrgreen.com\hrg\proj\2023\2304001\CAD\Sheets\072-3162_004_Culvert_Details.dgn



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184-001322

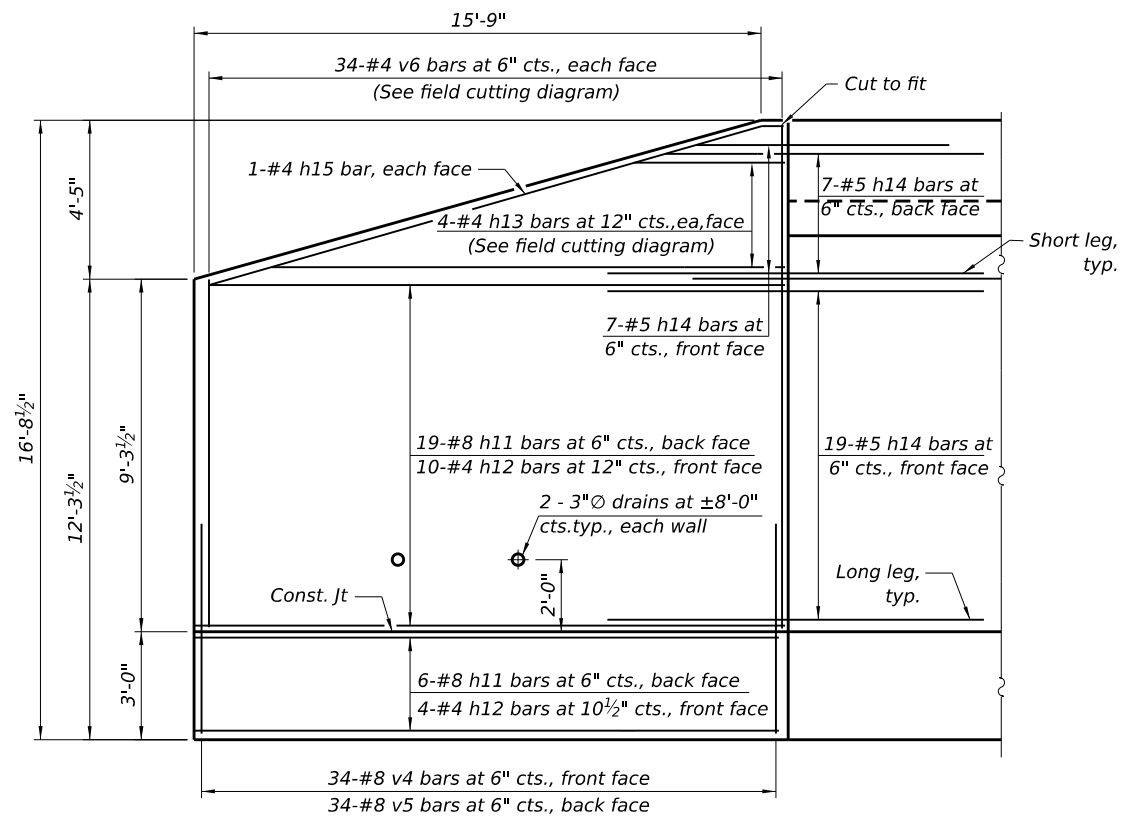
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

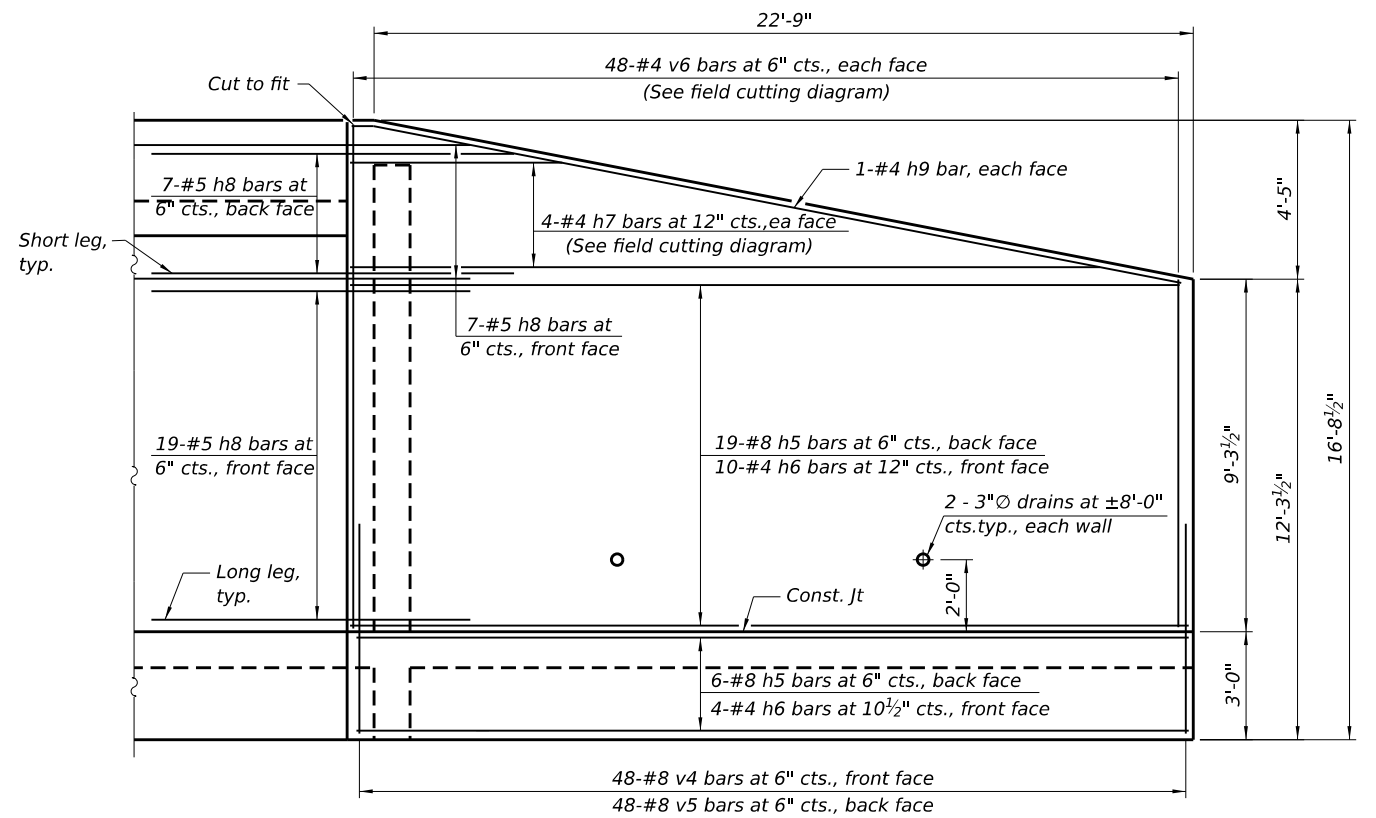
**CULVERT DETAILS
STRUCTURE NO. 072-3162**

SHEET 4 OF 7 SHEETS

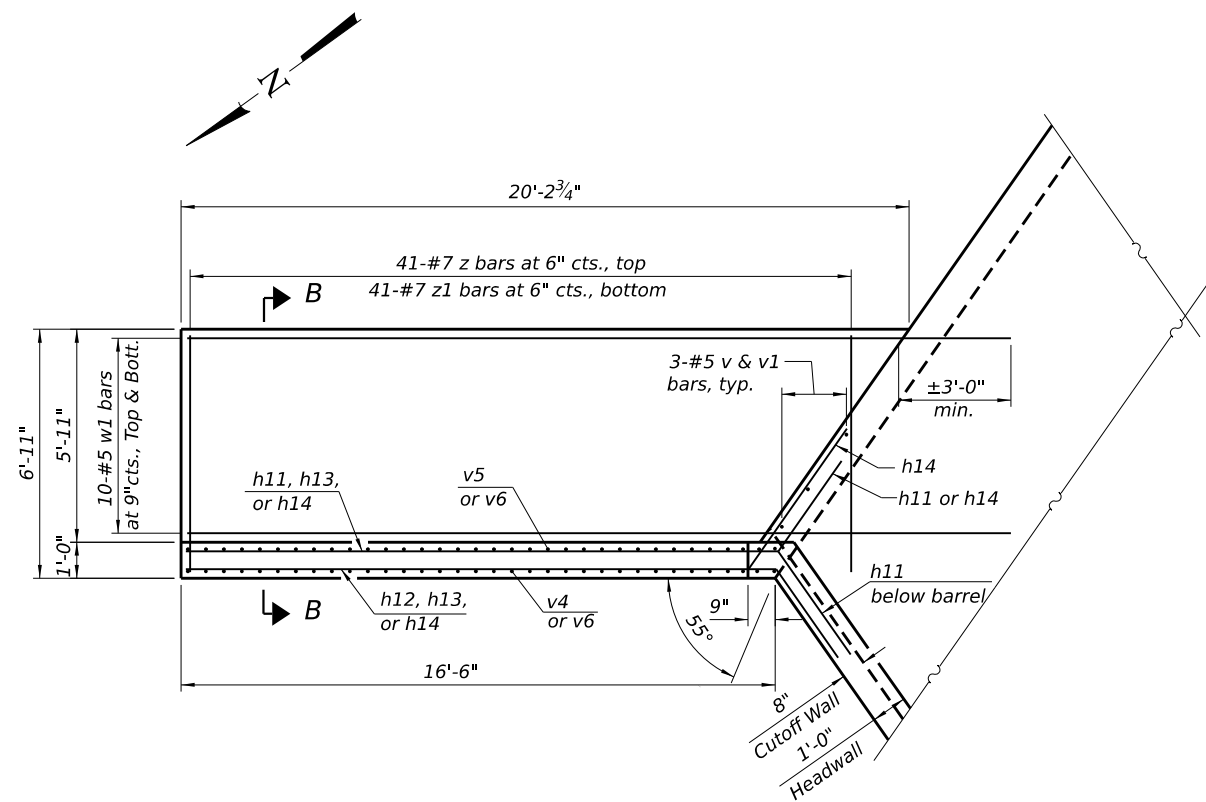
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D22	22-00112-00-BR	PEORIA	32	19
CONTRACT NO. 089873				
ILLINOIS FED. AID PROJECT				



ELEVATION

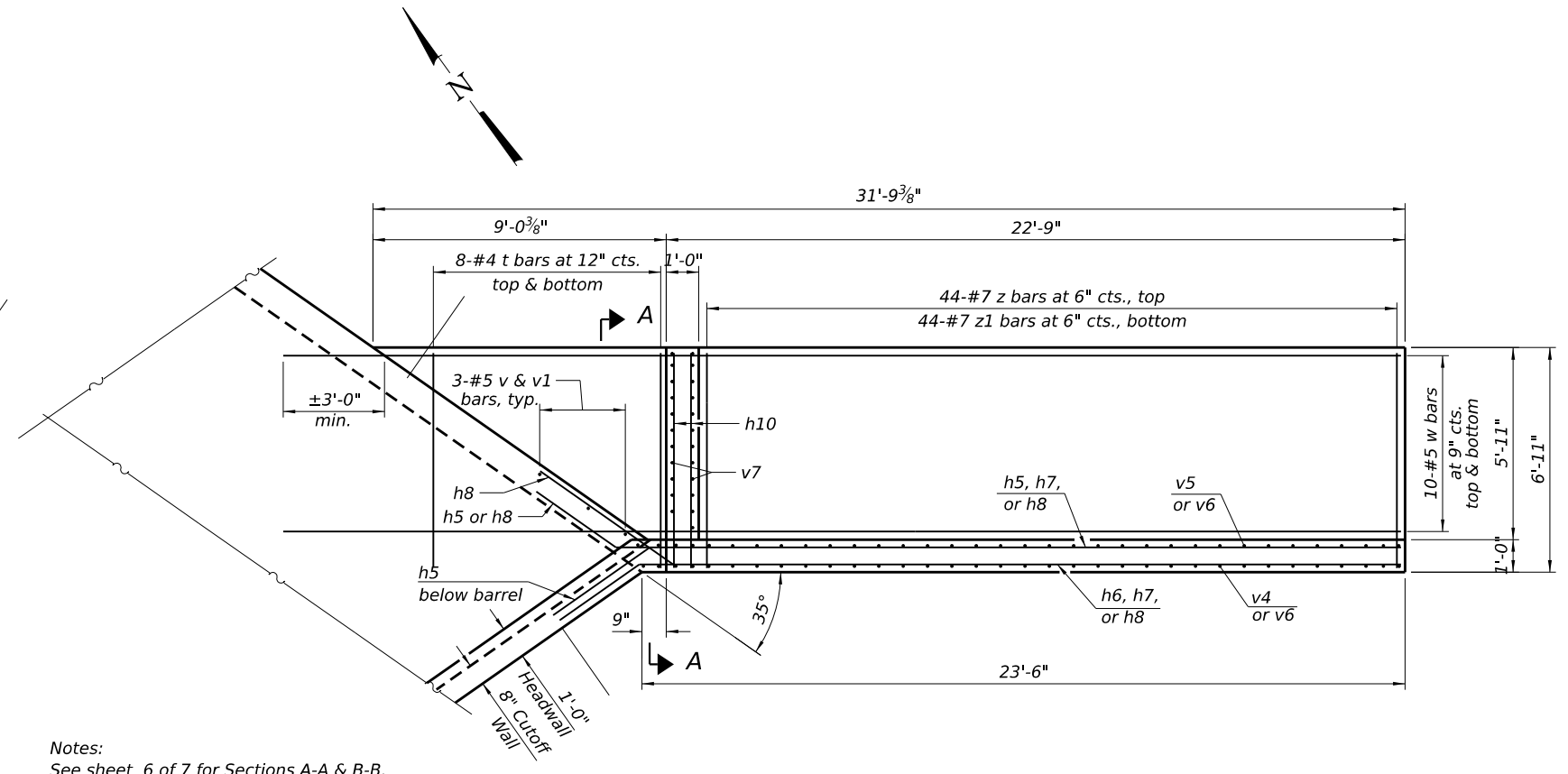


ELEVATION



PLAN

(Northeast wingwall shown, Southwest wingwall similar by 180° rotation)



PLAN

(Southeast wingwall shown, Northwest wingwall similar by 180° rotation)

Notes:
See sheet 6 of 7 for Sections A-A & B-B.
See sheet 6 of 7 for Bill of Material.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

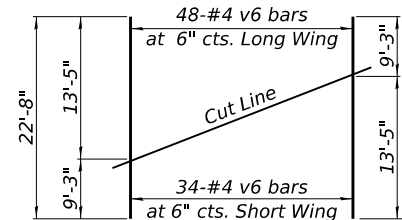
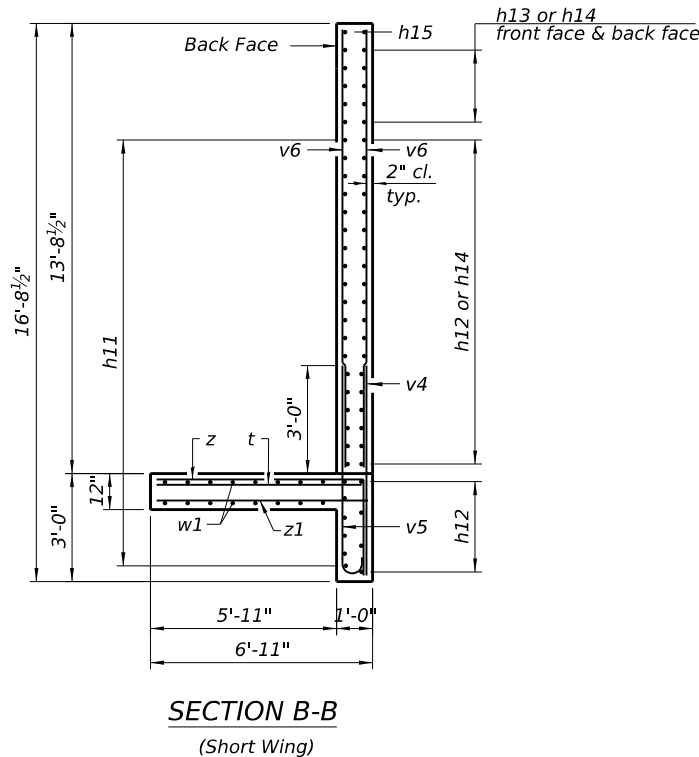
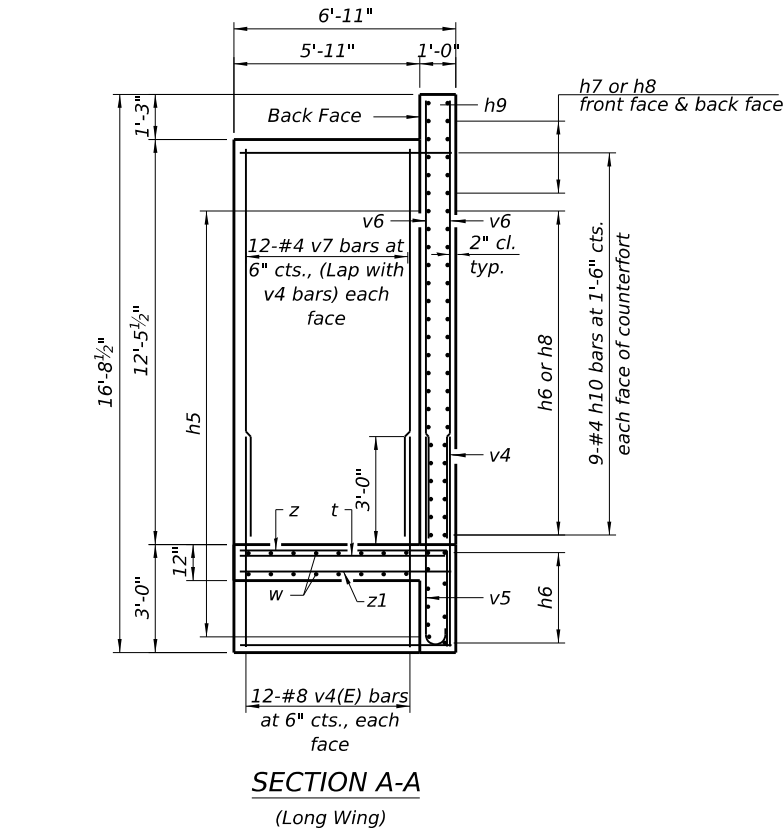
CULVERT DETAILS
STRUCTURE NO. 072-3162

SHEET 5 OF 7 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 089873				
ILLINOIS FED. AID PROJECT				

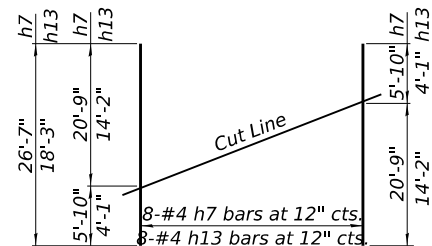
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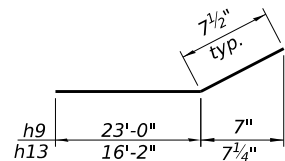
FIELD CUTTING DIAGRAM

Order bars shown full length. Cut as shown and use remainder of bars in opposite wingwall.

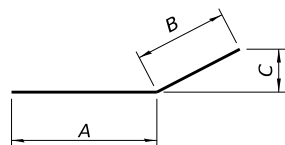


FIELD CUTTING DIAGRAM

Order bars shown full length. Cut as shown and use remainder of bars in opposite wingwall.

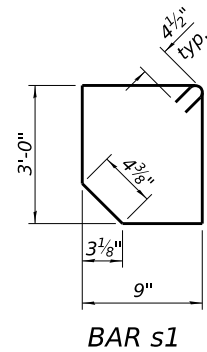
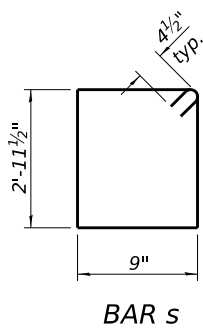
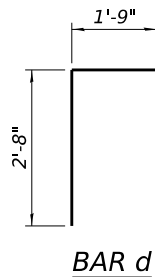
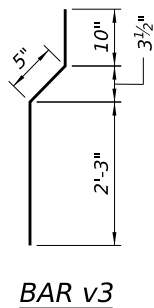
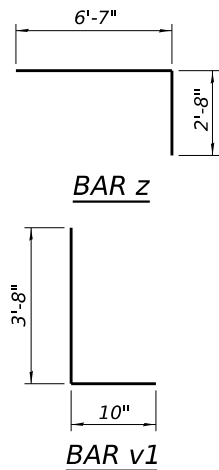
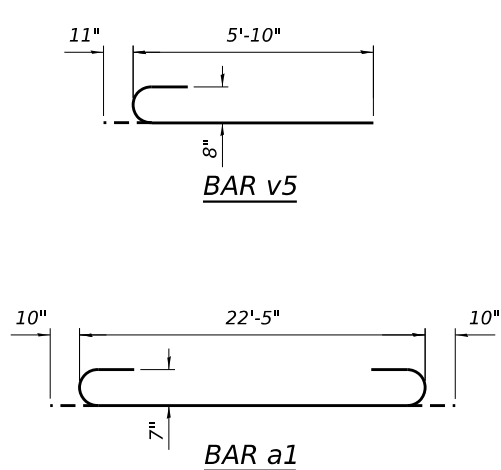


BARS h9 & h15



BARS h

Bar	A	B	C
h5	23'-1"	3'-6"	2'-1"
h8	5'-0"	3'-0"	2'-10½"
h11	16'-5"	3'-6"	2'-10½"
h14	5'-0"	3'-0"	4'-0"



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	160	#7	24'-1"	
a2	160	#7	22'-5"	
d	44	#4	4'-5"	
h	324	#5	25'-4"	
h1	6	#7	23'-9"	
h2	6	#6	23'-9"	
h3	14	#5	23'-9"	
h5	50	#8	26'-7"	
h6	28	#4	23'-5"	
h7	8	#4	26'-7"	
h8	33	#5	8'-0"	
h9	4	#4	23'-7"	
h10	36	#4	6'-7"	
h11	50	#8	19'-11"	
h12	28	#4	16'-4"	
h13	8	#4	18'-3"	
h14	33	#5	8'-0"	
h15	4	#4	16'-9"	
s	23	#4	8'-2"	
s1	23	#4	8'-3"	
t	32	#4	6'-7"	
v	204	#5	10'-7"	
v1	300	#5	4'-6"	
v2	192	#5	10'-2"	
v3	48	#5	3'-6"	
v4	212	#8	5'-10"	
v5	164	#8	6'-9"	
v6	164	#4	22'-8"	
v7	48	#4	12'-1"	
w	40	#5	34'-7"	
w1	40	#5	23'-0"	
z	170	#7	9'-3"	
z1	170	#7	6'-7"	
Concrete Box Culverts			Cu. Yd.	209.0
Reinforcement Bars			Pound	59,180



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USER NAME = amiller	DESIGNED - FAS	REVISED -
	CHECKED - AEU	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - WJH	REVISED -
PLOT DATE = 10/17/2025	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 072-3162

SHEET 6 OF 7 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	21
CONTRACT NO. 089873				
ILLINOIS FED. AID PROJECT				

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164-001322

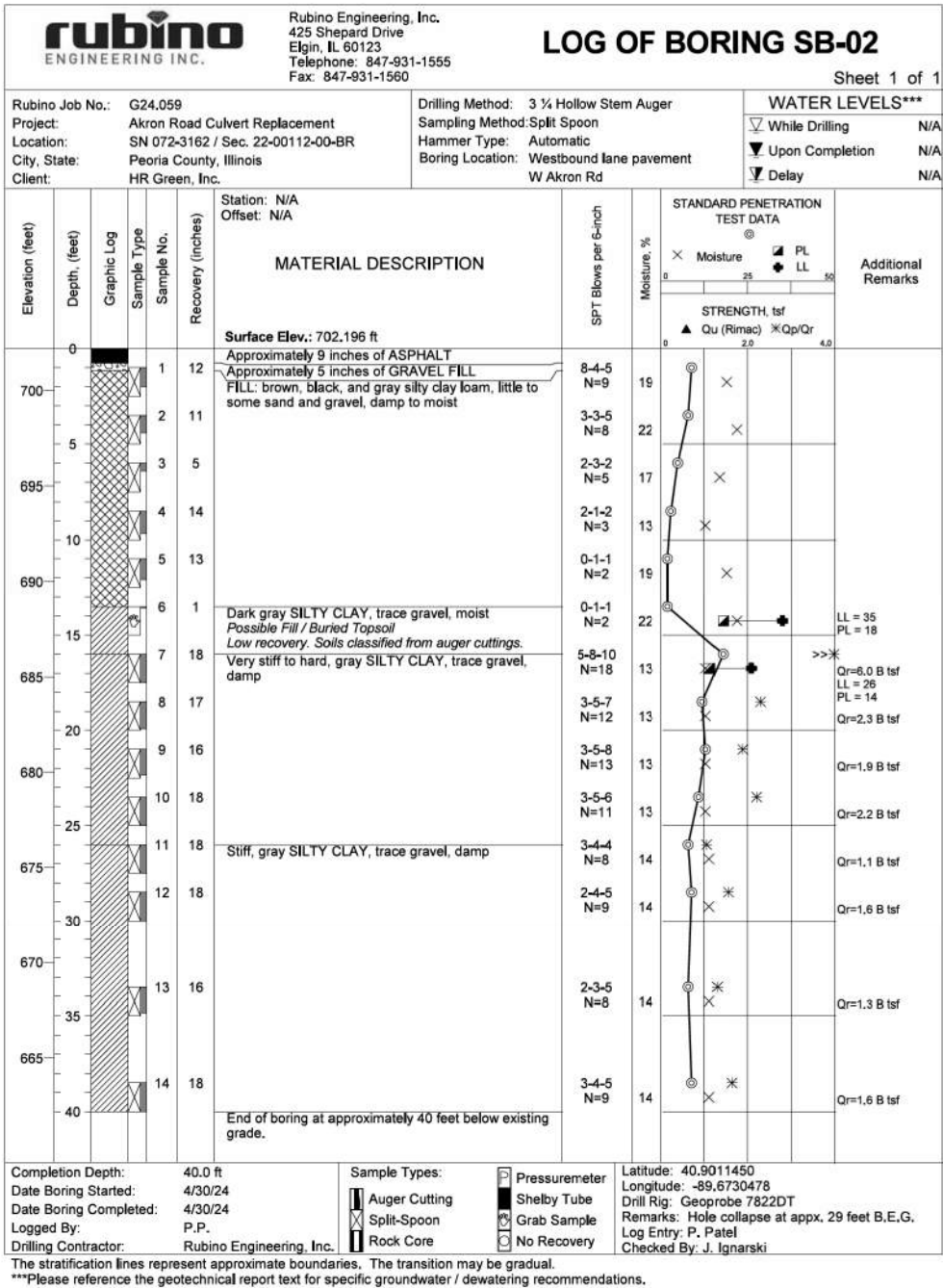
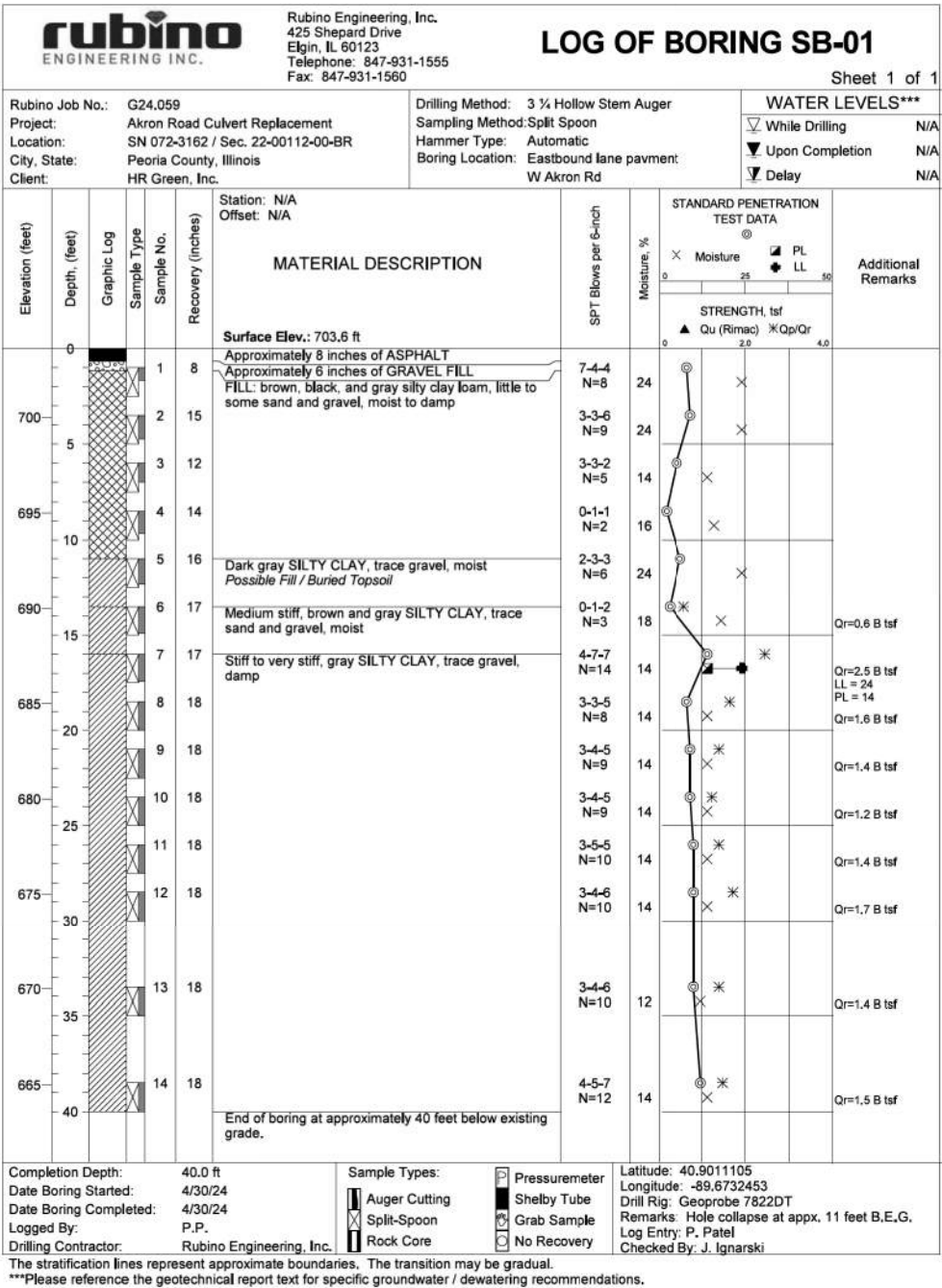
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PLOT DATE = 10/17/2025	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 072-3162

SHEET 7 OF 7 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	22
CONTRACT NO. 089873				
ILLINOIS		FED. AID PROJECT		



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#184-001322

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		CHECKED -	JMR	REVISED -	
PLOT DATE	= 10/17/2025	DATE	= 8/29/2025	REVISED -	

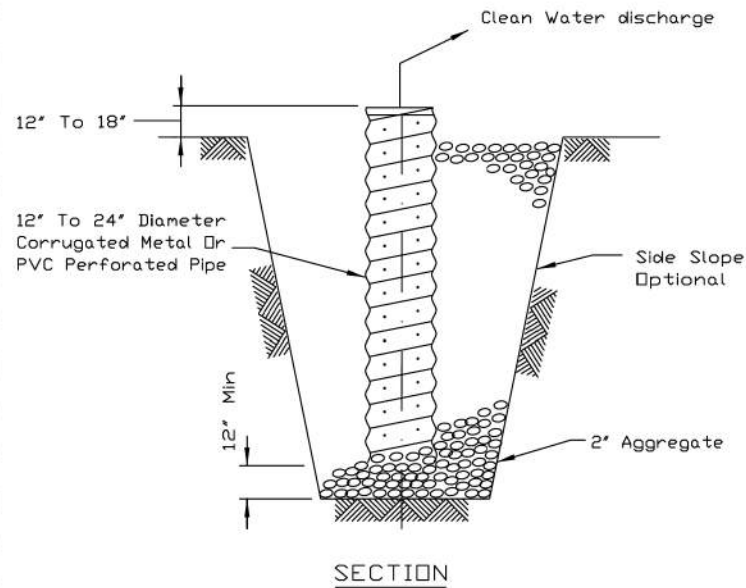
PEORIA COUNTY
HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS
AKRON ROAD

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	23
CONTRACT NO.				89873
ILLINOIS FED. AID PROJECT				

SUMP PIT PLAN



NOTES:

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12'-24' diameter corrugated metal or PVC pipe.
3. A base of 2' aggregate will be placed in the pit to a minimum depth of 12'. After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2' aggregate.
4. The standpipe will extend 12' to 18' above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4'-1/2' hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE

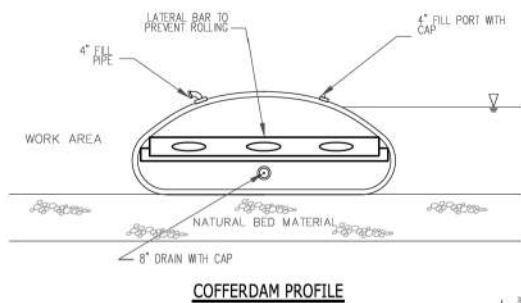
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Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



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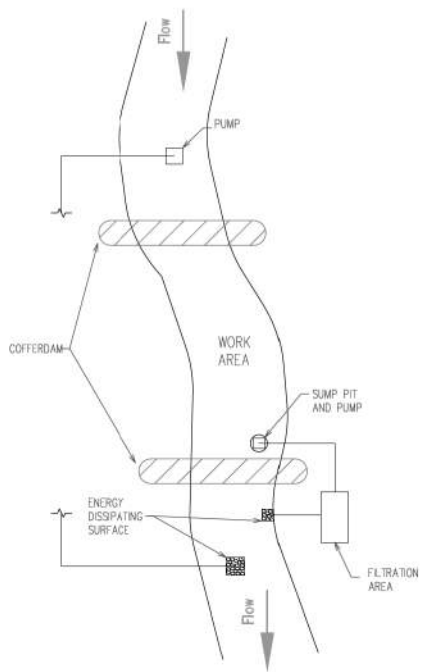
IL-650
SHEET 1 OF 1
DATE 8-11-94

BLADDER COFFERDAM



COFFERDAM PROFILE

PLAN VIEW



NOTES:

1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

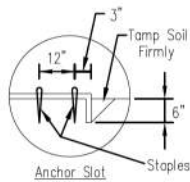
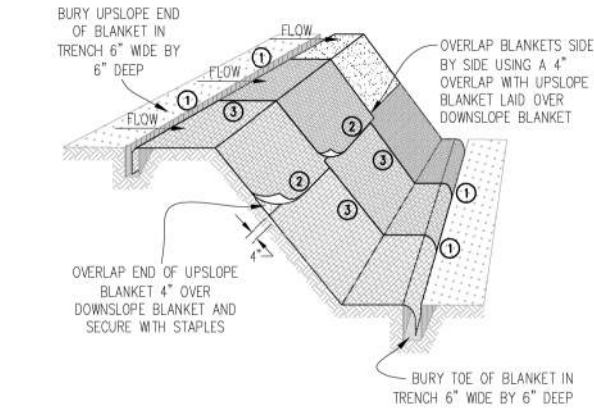
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Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

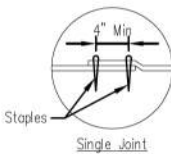


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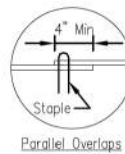
IUM-503BF
SHEET 3 OF 7
DATE 7-09-2012



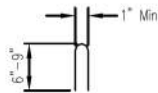
DETAIL 1



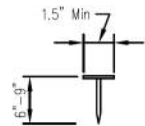
DETAIL 2



DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

EROSION CONTROL
BLANKET INSTALLATION DETAILS

Designed	_____ Date _____
Drawn	B. JOHNSON 11/08
Checked	_____
Approved	_____

MODEL: SH-2
FILE NAME: \\hrgreen.com\hrg\Draws\2023\2304001\CAD\Sheets\2304001-sh1-det.dgn



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#184-001322

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		DRAWN	- JAG	REVISED	-
		CHECKED	- JMR	REVISED	-
PLOT DATE	= 10/17/2025	DATE	- 8/29/2025	REVISED	-

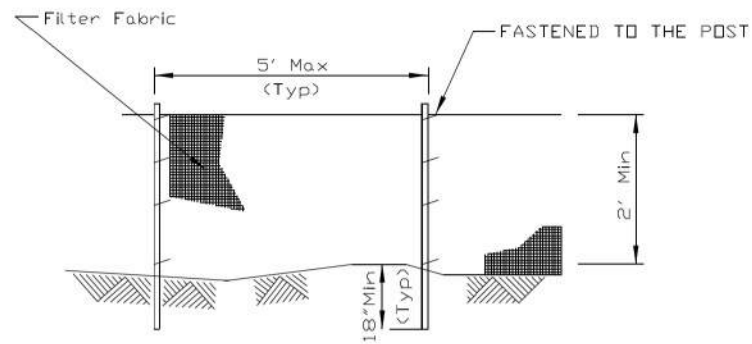
PEORIA COUNTY
HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS
AKRON ROAD

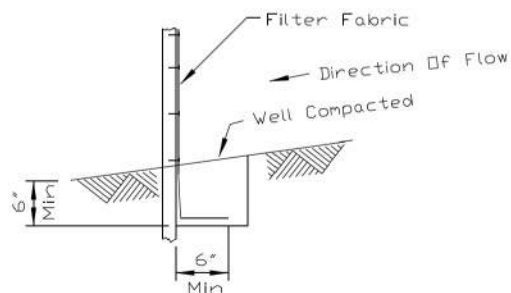
SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	24
CONTRACT NO. 89873				
ILLINOIS FED. AID PROJECT				

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE

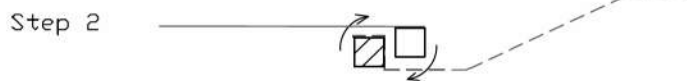
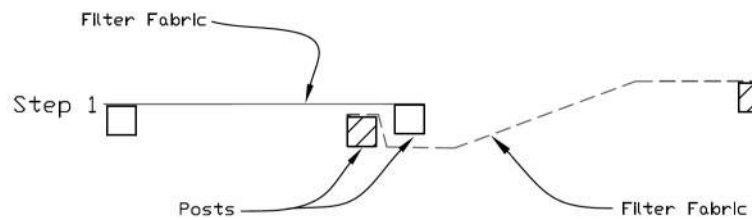
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.

IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

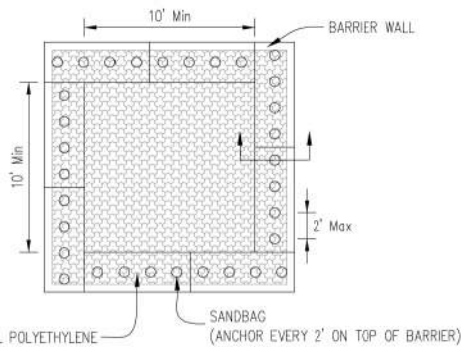
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Approved _____ Date _____

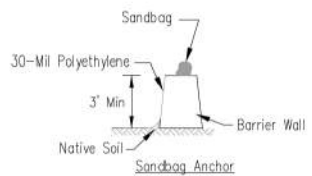


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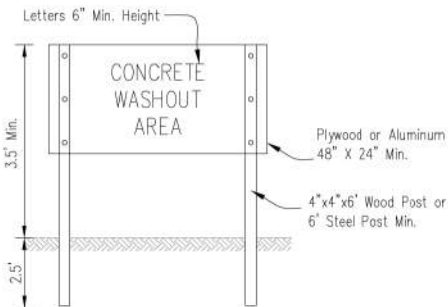
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

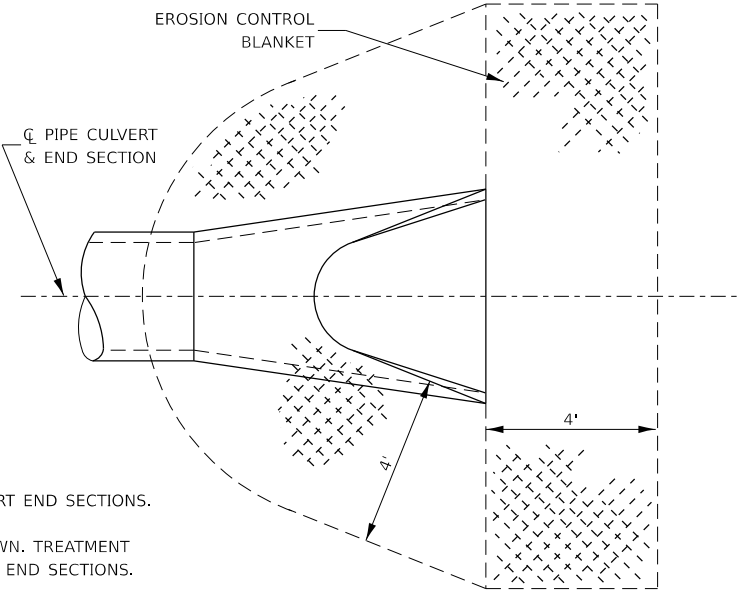
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

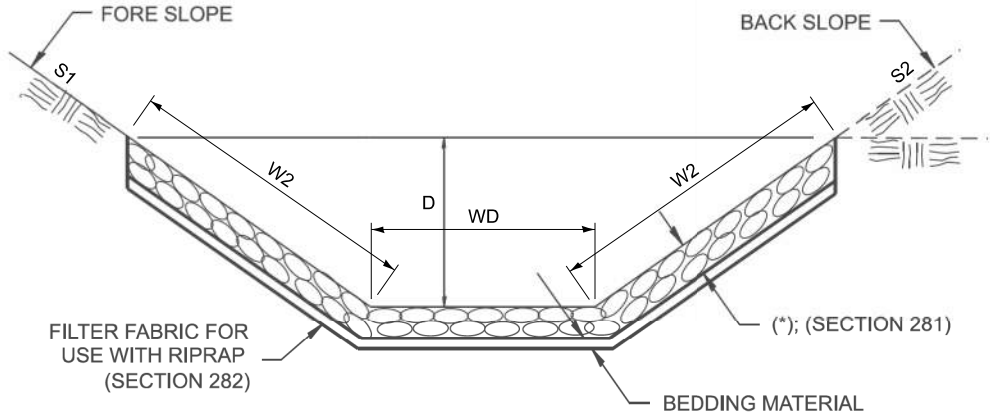
TEMPORARY CONCRETE
WASHOUT FACILITY - BARRIER WALL

Designed _____ Date _____
Drawn B. JOHNSON _____ S./GB.
Checked _____
Approved _____

- NOTES:
- 1. TO BE USED AT ALL PIPE CULVERT END SECTIONS.
 - 2. PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER PIPE CULVERT END SECTIONS.
 - 3. SEE DETAIL BELOW FOR TREATMENT AT BOX CULVERT END SECTIONS.



DETAIL OF EROSION CONTROL BLANKET
LINING AROUND END SECTION



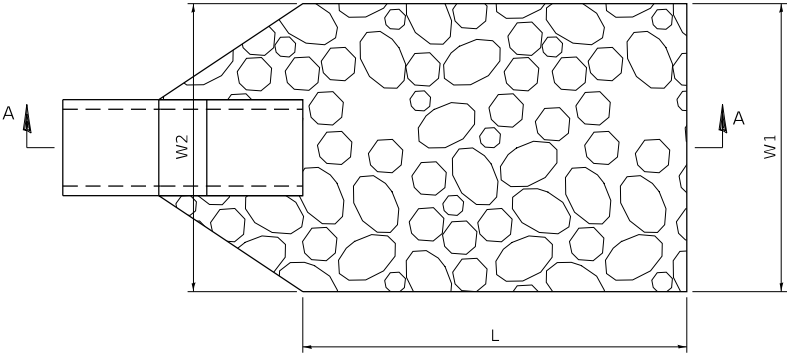
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LOCATION	WIDTH (1)	LENGTH	RIPRAP **	FABRIC **
STA TO STA	lin ft	lin ft	tons	sq yds
STA 111+00 TO STA 111+45, LT	11.5	45	40	68
STA 111+00 TO STA 112+00, RT	11.5	100	88	150
STA 111+80 TO STA 112+55, LT	11.5	75	66	113
STA 112+45 TO STA 112+80, RT	11.5	35	31	53
STA 113+04 TO STA 113+50, LT	11.5	46	40	69
TOTAL			265	452

(1) WIDTH = $W_1 + W_2 + W_D$

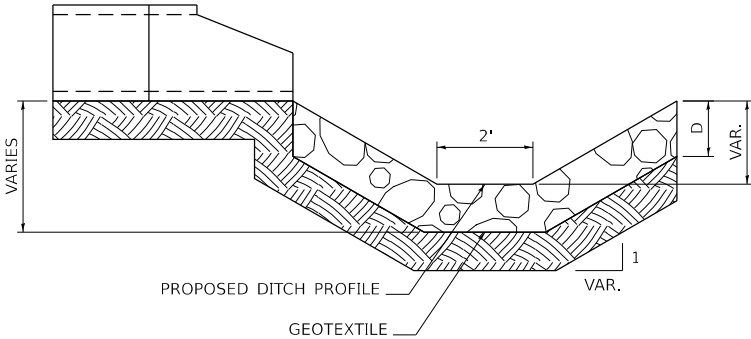
AGGREGATE DICTH

** RIP RAP SHALL BE CONSIDERED PART OF THE UNIT PRICE FOR AGGREGATE DITCH (TONS).

FILTER FABRIC SHALL BE PAID SEPARATELY AT THE UNIT PRICE FOR FILTER FABRIC (SQ YD).



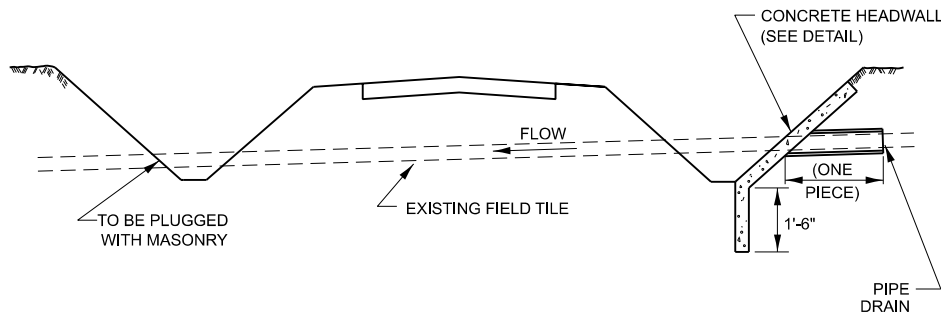
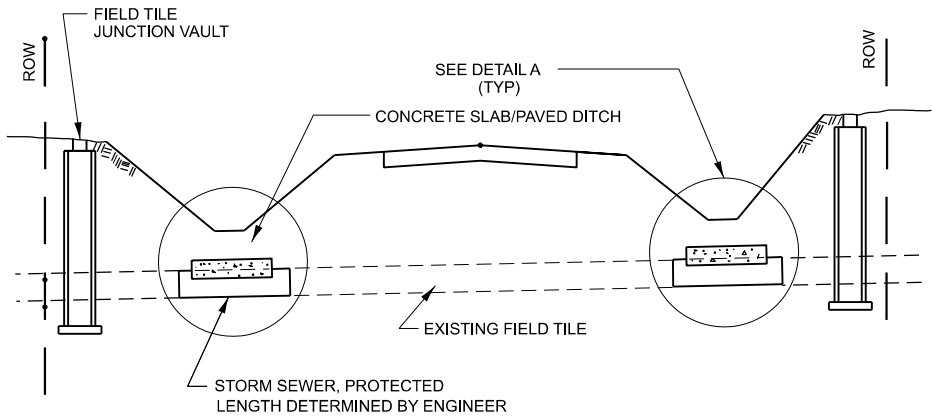
PLAN



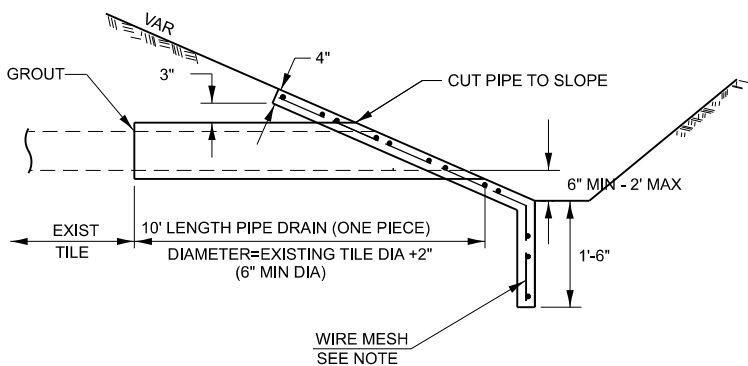
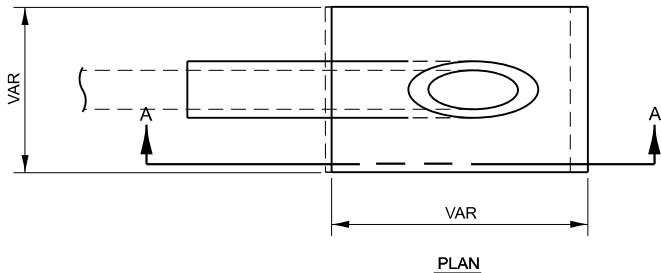
SECTION A-A

- NOTES:
- 1. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS IN MATERIAL SPECIFICATIONS 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, II OR III.
 - 2. THE ROCK RIPRAP SHALL MEET THE IDOT REQUIREMENTS FOR THE GRADATION SPECIFIED ON THE EROSION CONTROL PLANS.
 - 3. THE RIPRAP SHALL BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 61 LOOSE ROCK RIPRAP. THE ROCK MAY BE EQUIPMENT PLACED. DIMENSIONS SHOWN IN PLAN VIEW SHALL BE AS SPECIFIED ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

RIPRAP OUTLET

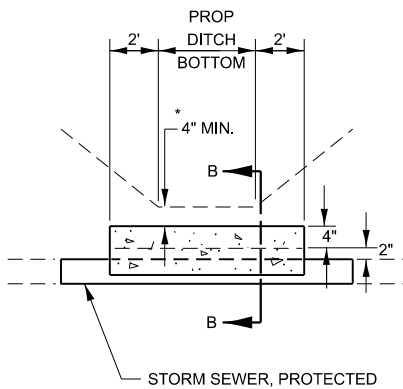


FIELD TILE REPLACEMENT



SECTION A-A

CLASS SI CONCRETE HEADWALLS



DETAIL A

NO SCALE

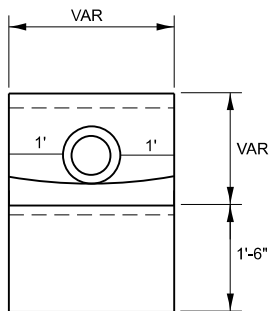
* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

NOTES

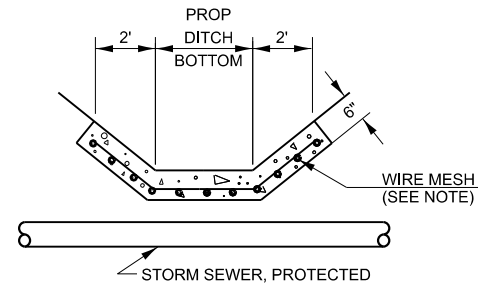
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT

NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT

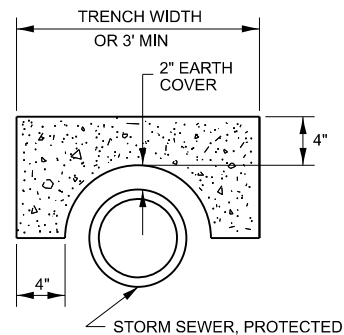


END VIEW

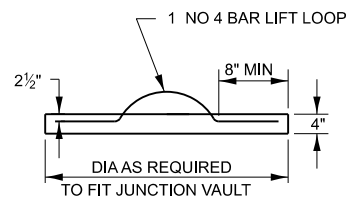
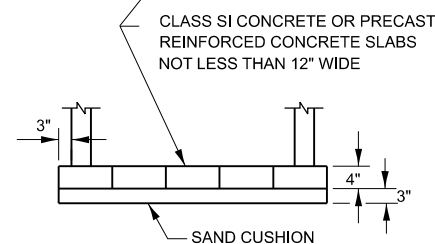
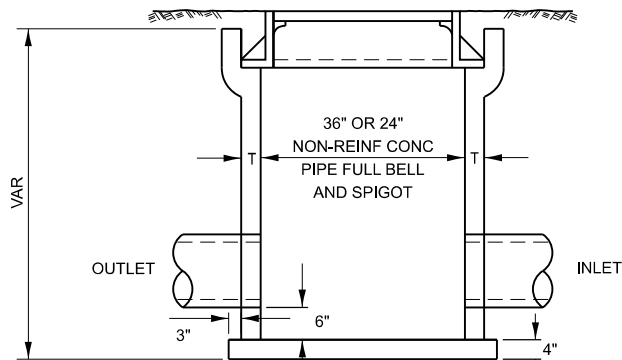


DETAIL C

NO SCALE



SECTION B-B

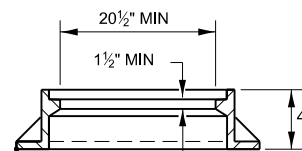
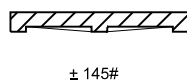
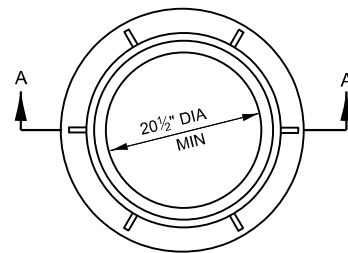


FIELD TILE JUNCTION VAULT

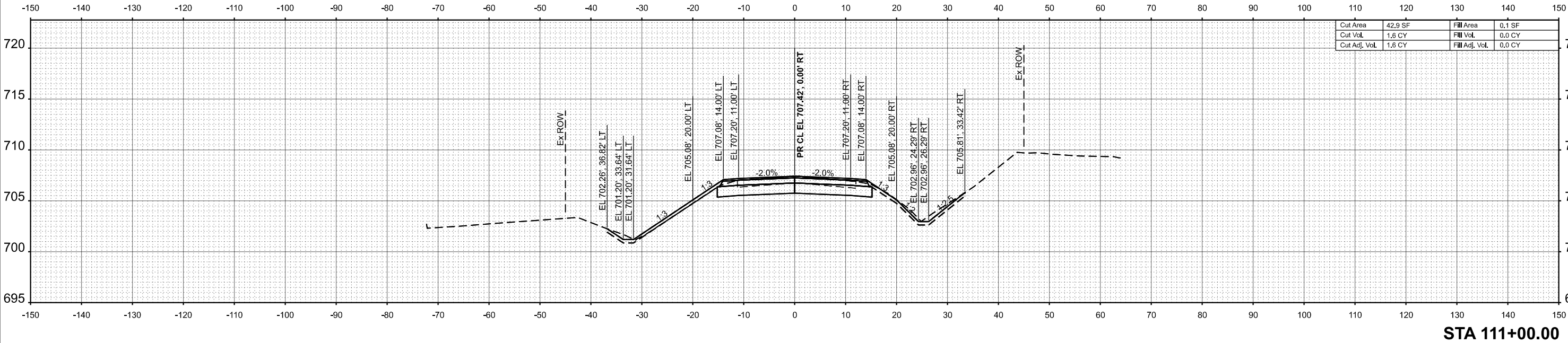
ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"

NOTES

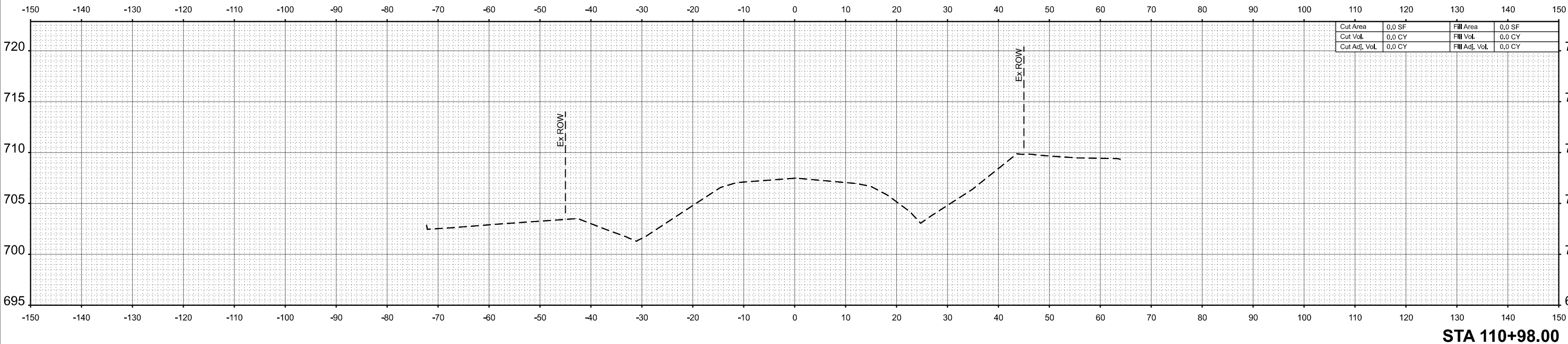
1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



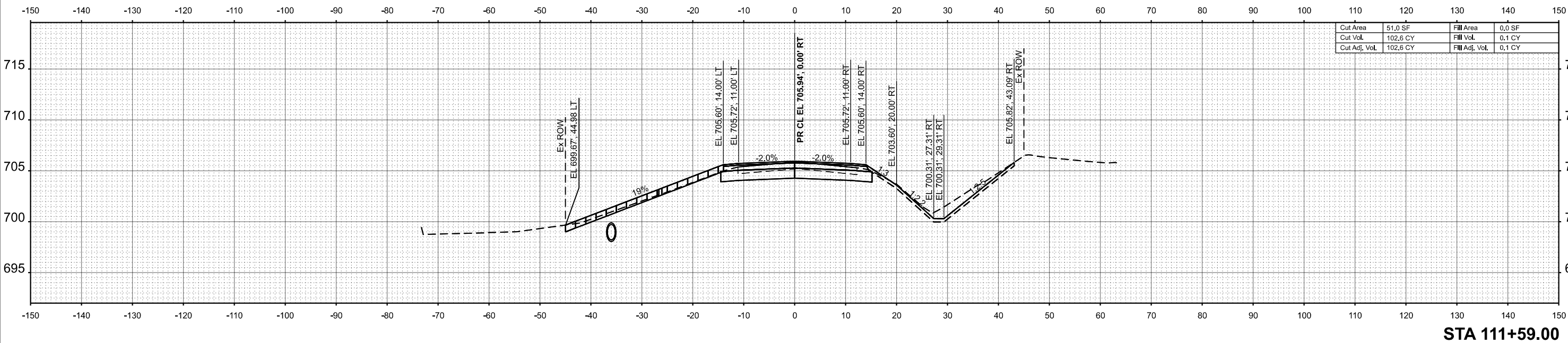
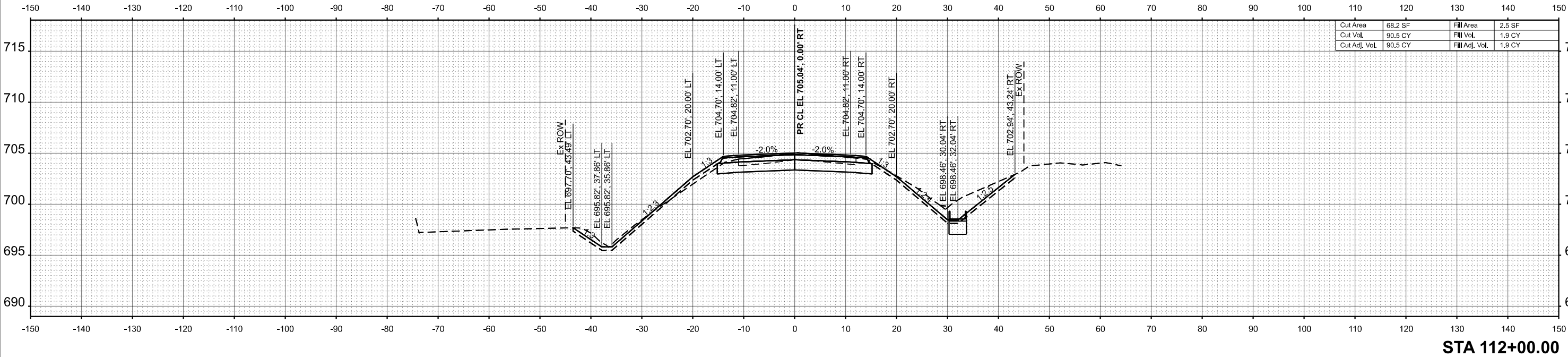
SECTION A-A

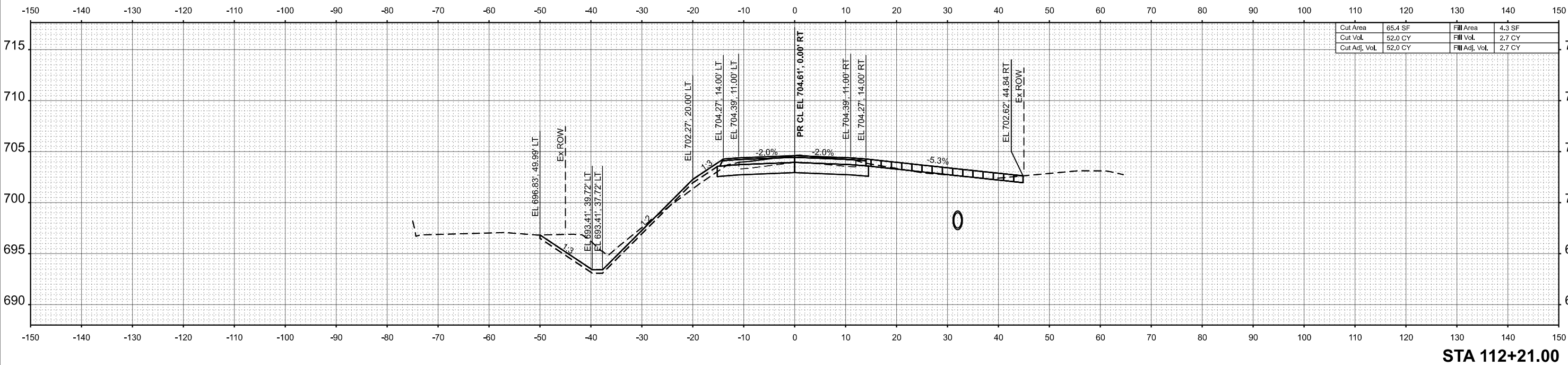
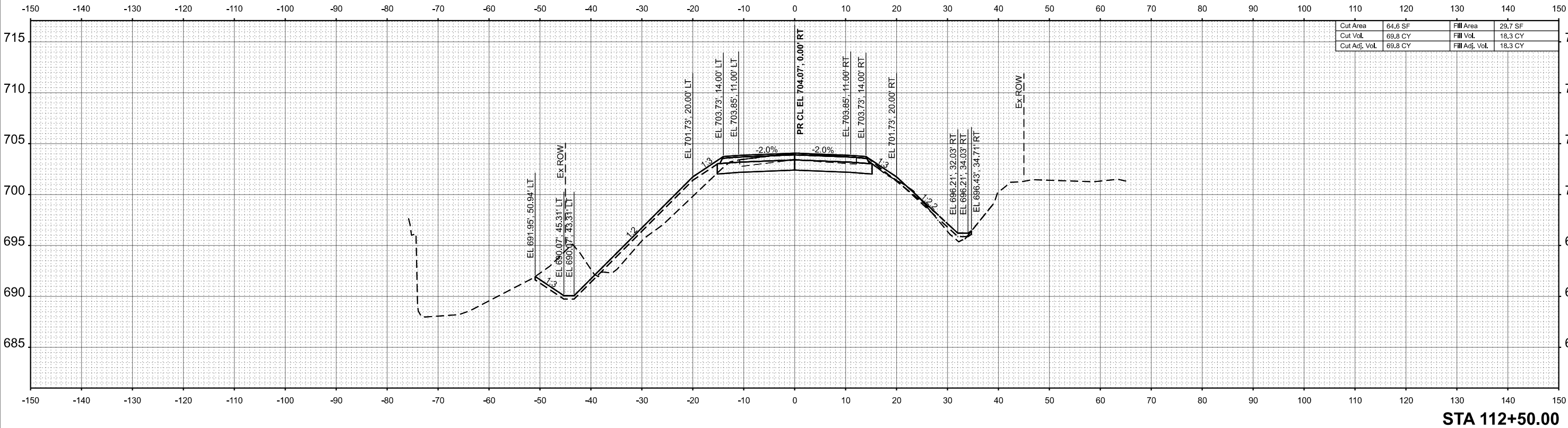


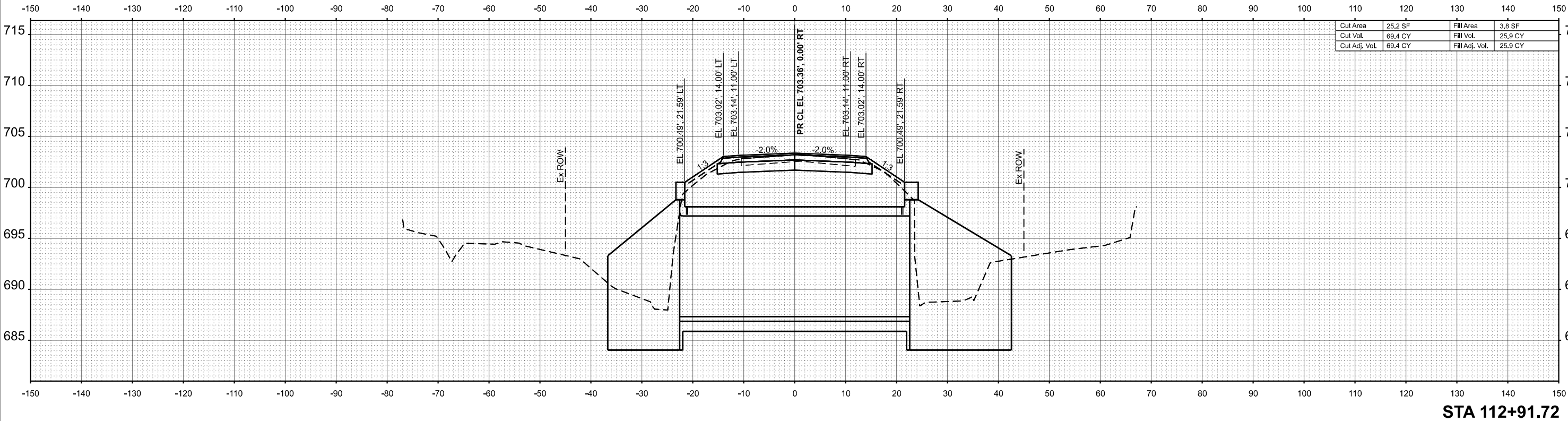
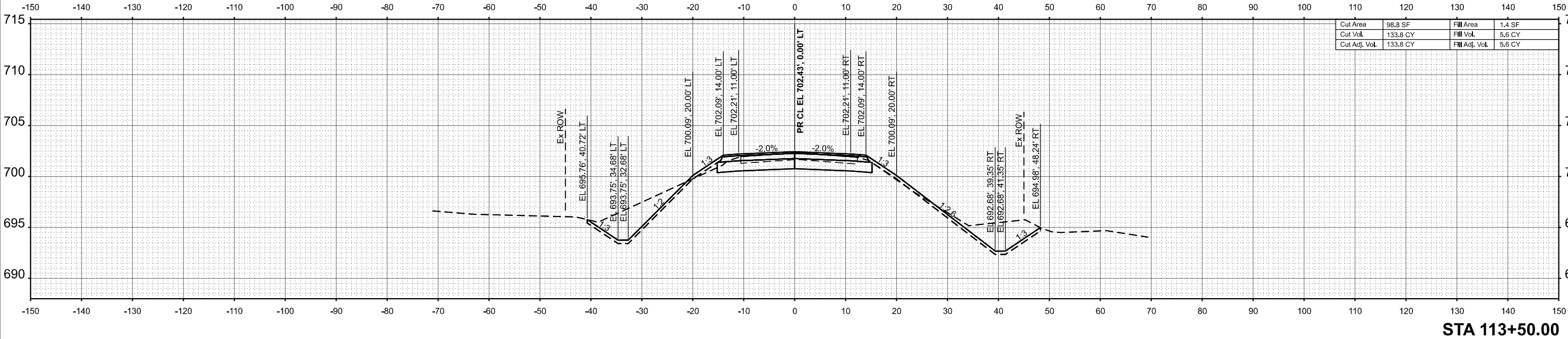
STA 111+00.00

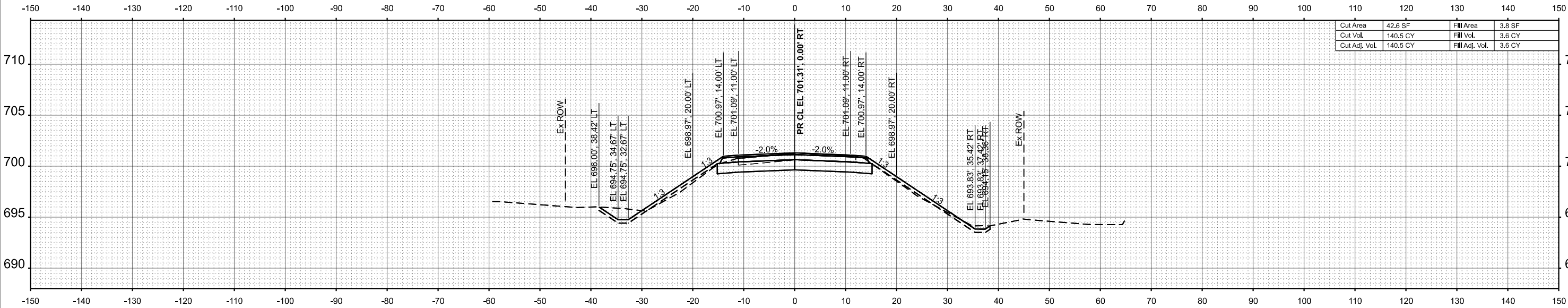


STA 110+98.00

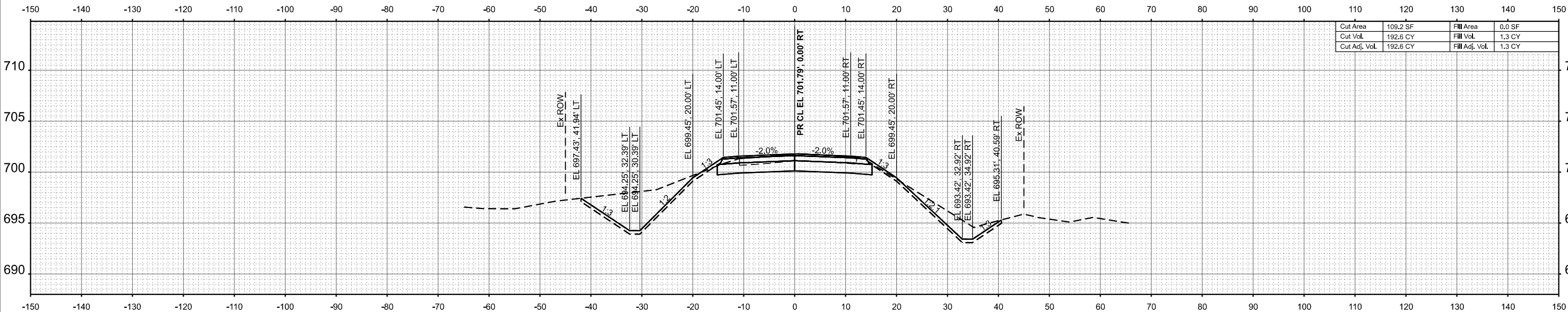




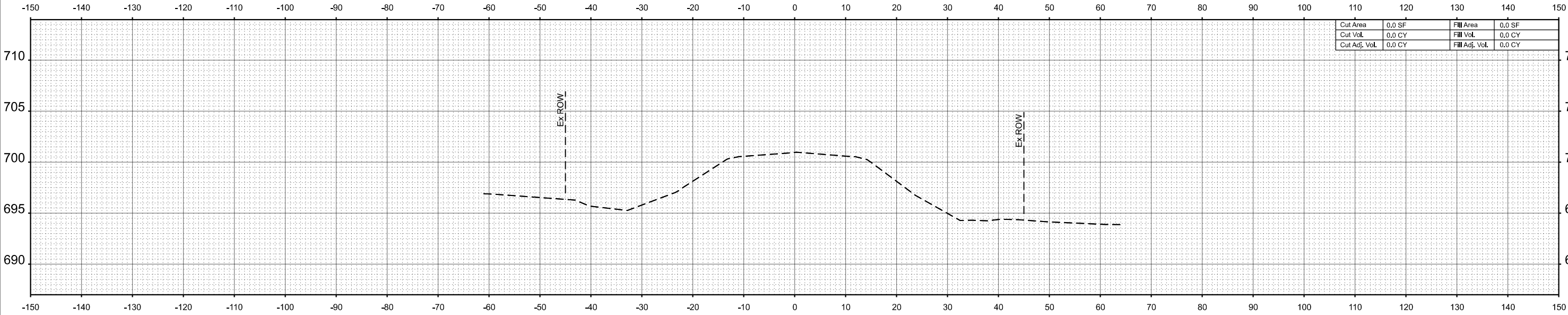




STA 114+50.00

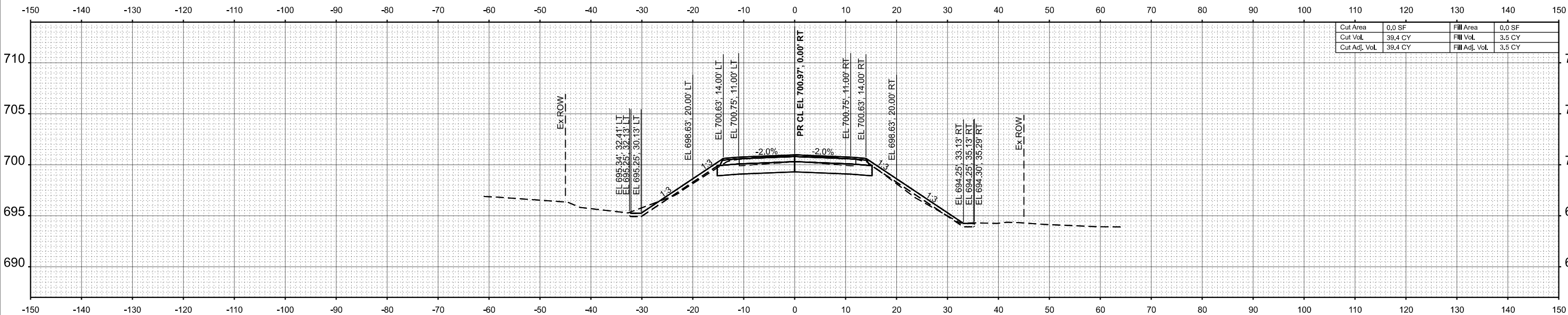


STA 114+00.00



Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 115+02.00



Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	39.4 CY	Fill Vol.	3.5 CY
Cut Adj. Vol.	39.4 CY	Fill Adj. Vol.	3.5 CY

STA 115+00.00



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= amiller	DESIGNED -	AJM	REVISED -	
		DRAWN -	AJM	REVISED -	
		CHECKED -	JMR	REVISED -	
PLOT DATE	= 10/17/2025	DATE	= 8/29/2025	REVISED -	

PEORIA COUNTY
HIGHWAY DEPARTMENT

CROSS SECTIONS
AKRON ROAD

SCALE: 10' H : 5' V SHEET 6 OF 6 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D22	22-00112-00-BR	PEORIA	32	32
CONTRACT NO.				89873
ILLINOIS		FED. AID PROJECT		