

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED  
HIGHWAY PLANS

FAP 308 (IL ROUTE 84)  
SECTION: (103,104) CR  
PROJECT: NHPP-A3SJ(192)  
CULVERT REMOVAL AND REPLACEMENT  
JO DAVIESS COUNTY

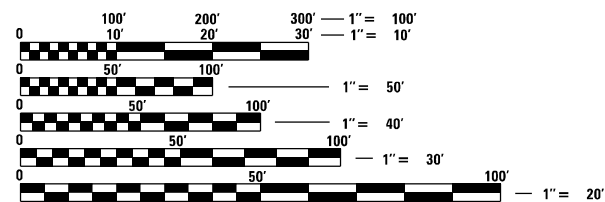
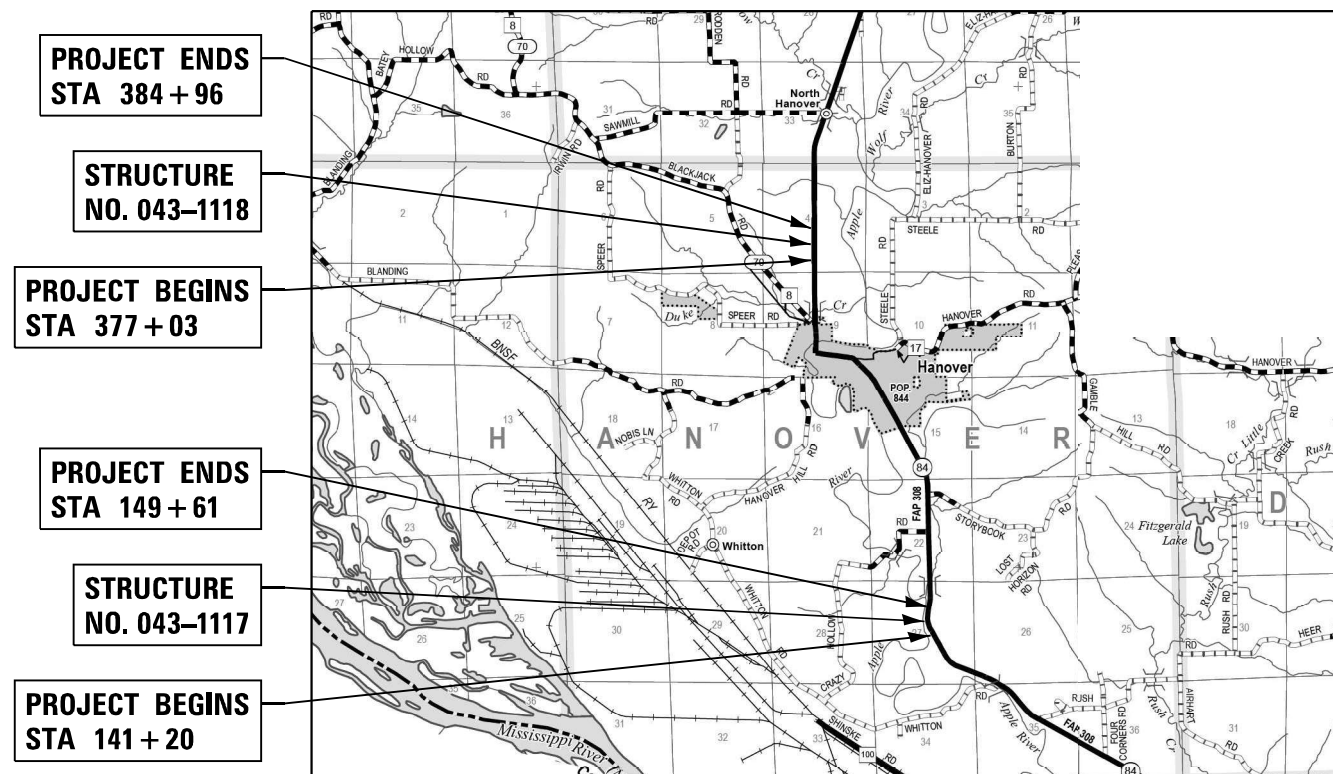
TOWNSHIP: HANOVER  
SECTION: 4 & 27  
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL  
ADT (2021): 1,875  
TRUCK PERCENTAGE: 15%  
POSTED AND DEISGN SPEED LIMIT: 55 MPH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	1
		ILLINOIS	CONTRACT NO. 64K62	

D-92-009-15



C-92-028-19  
R2E



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.

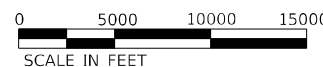
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT MANAGER: **TERRENCE JOHNSON**  
TERRENCE.JOHNSON@ILLINOIS.GOV  
815-284-5354  
SQUAD LEADER: **CHAD SPREEMAN**  
815-284-5934

CONTRACT NO. 64K62

GROSS LENGTH = 1,635 FT. = 0.31 MILE

NET LENGTH = 1,635 FT. = 0.31 MILE



**BAXTER & WOODMAN**  
Consulting Engineers



T26N



"LICENSE EXPIRES 11-30-2021"

SIGNATURE  
3 / 17 / 2022  
DATE



"LICENSE EXPIRES 11-30-2022"

SIGNATURE  
3 / 17 / 2022  
DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 03/18 20 22

*Terrence Johnson*  
REGIONAL ENGINEER

May 13, 2022  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

DISTRICT 2, DIXON


INDEX OF SHEETS

HIGHWAY STANDARDS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
3	GENERAL NOTES AND COMMITMENTS
4 - 9	SUMMARY OF QUANTITIES
10 - 11	TYPICAL SECTIONS
12 - 15	SCHEDULE OF QUANTITIES
16 - 17	ALIGNMENT, TIES, AND BENCHMARKS
18 - 20	PLAN AND PROFILE
21 - 22	EROSION CONTROL AND SEEDING PLANS
23	MAINTENANCE OF TRAFFIC - TRAFFIC CONTROL NOTES
24	MAINTENANCE OF TRAFFIC - DETOUR ROUTE
25	MAINTENANCE OF TRAFFIC - DETOUR ROUTE SIGNS
26	MAINTENANCE OF TRAFFIC - DETOUR ROUTE CLOSURE
27 - 28	MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
29 - 36	STAGE CONSTRUCTION PLAN
37 - 46	STRUCTURAL PLANS - 043-1117
47 - 51	STRUCTURAL PLANS - 043-1118
52	RIPRAP AT END SECTION (IDOT STD 19.4)
53	PERMANENT SURVEY MARKERS, TYPE II (IDOT STD 66.2)
54 - 57	WORK ZONE SIGN DETAILS (IDOT STD 34.1)
58	TRAFFIC CONTROL FOR ROAD CLOSURE (IDOT STD 40.1)
59 - 61	TYPICAL PAVEMENT MARKINGS (IDOT STD 41.1)
62 - 64	PLATS OF HIGHWAYS
65 - 82	CROSS SECTIONS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
606101-05	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
635001-02	DELINEATORS
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris | default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-gennote.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-gennote.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-gennote.dgn

	USER NAME = jharris	DESIGNED JSH	REVISED -
		DRAWN KAR	REVISED -
	PLOT SCALE = 20,0000 */ in.	CHECKED DTH	REVISED -
	PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-gennote.dgn

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

<b>INDEX OF SHEETS AND HIGHWAY STANDARDS</b>			
SCALE: NTS	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	2
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	



**GENERAL NOTES**

1. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.
2. PLACEMENT AND COMPACTION OF THE BACKFILL FOR THE PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED, SHALL CONFORM TO ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL, EITHER PRODUCTION AGGREGATE OR EXCAVATED MATERIAL, SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. THE TOP ONE FOOT OF TRENCH BACKFILL SHALL BE GRADATION CA06 OR CA10, BENEATH THE PROPOSED PAVEMENT/PATCH.

THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED PAVEMENT/PATCH. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT.

THE TRENCH BACKFILL MATERIAL WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 502.12, NOT TO EXCEED 2 FEET OUTSIDE THE STRUCTURE.

3. THE DROP OFF THAT OCCURS AT ENTRANCE EDGES AS A RESULT OF RESURFACING OF THE ENTRANCE SHALL BE CORRECTED USING AGGREGATE SHOULDER MATERIAL. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED IN THE PLANS.
4. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION AND MIXTURE USE(S):	SURFACE
PG:	PG 58-28
DESIGN AIR VOIDS:	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	D
20 YEAR ESAL	1.8
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT TONNAGE:	N/A
MATERIAL TRANSFER DEVICE:	NO

LOCATION AND MIXTURE USE(S):	SHOULDERS	
	TOP LIFT	ALL LOWER LIFTS
PG:	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5FG	IL 19.0
FRICTION AGGREGATE:	C	N/A
MIXTURE WEIGHT:	112 LBS/SQ YD/IN	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT TONNAGE:	N/A	N/A
MATERIAL TRANSFER DEVICE:	N/A	N/A

5. THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.
6. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
7. THE NEW NUMBERS FOR THE STRUCTURES WILL BE 043-1117 (SOUTH CULVERT) AND 043-1118 (NORTH CULVERT).

8. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THIS CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE BOX CULVERTS.

9. CULVERT FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

10. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT EACH HEADWALL OR END SECTION OF ACROSS ROAD CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUBCONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.

12. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
  1. ALL WORDS, SUCH AS "ONLY", SHALL BE 8 FEET HIGH.
  2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
  3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
  4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

13. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AS DIRECTED BY THE ENGINEER. CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.

14. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2, OR ANOTHER OPTION WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.

15. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.

16. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.

17. THE CONTRACTOR SHALL BEGIN FENCE ERECTION AS SOON AS CLEARING OPERATIONS PERMIT. BEFORE REMOVING EXISTING FENCE FROM AN AREA THAT CONTAINS LIVESTOCK, THE CONTRACTOR SHALL ERECT, ALONG THE PROPOSED RIGHT OF WAY LINES, A TEMPORARY FENCE OR WIRE MEETING THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL CONCENTRATE HIS PERMANENT FENCING OPERATIONS AT THESE LOCATIONS AND AT OTHER SPECIFIC LOCATIONS AS DIRECTED BY THE ENGINEER. THE COST OF ARRANGING WORK AS HEREIN SPECIFIED WILL NOT BE PAID FOR AS A SEPARATE ITEM BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR WOVEN WIRE FENCE, 4'.

18. ALL GUTTER OUTLETS SHALL BE EXTENDED TO DITCH FLOW AS DIRECTED BY THE ENGINEER.

19. RIGHT-OF-WAY MARKERS WILL BE ERECTED PER HIGHWAY STANDARD 666001 WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE. UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT OF WAY MARKERS WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE. THE METHOD OF INSTALLATION SHALL BE APPROVED BY THE ENGINEER.

20. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:
 

1. JO-CARROLL ENERGY	(815) 858-5522, (800) 892-0123
2. IFIBER	(815) 753-5798
3. FRONTIER (NORTH)	(815) 544-6171, (800) 892-0123

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

21. WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED, AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER. IT IS ANTICIPATED TO USE TEMPORARY CONCRETE BARRIER FOR CONSTRUCTION OF THE SOUTHERN CULVERT (SN 043-1117).

22. THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED TO THE PAVEMENT WITH 3 ANCHOR PINS PER SECTION ON THE TRAFFIC SIDE OF THE BARRIER WALL AT THE FOLLOWING LOCATIONS:
  - STAGE 1: STATION 143+76 TO STATION 144+44
  - STAGE 2: STATION 143+76 TO STATION 144+44

THE BARRIER UNIT AT EACH END SHALL BE ANCHORED AS SPECIFIED IN ARTICLE 704.04. ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED.

23. ANY FARM DRAIN, FIELD TILE SYSTEM, OR OTHER TILE FACILITY ENCOUNTERED DURING THE PROPOSED WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE RESIDENT ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION, 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 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.

24. ANY DRAIN TILE LINES WHICH ARE CUT OR DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN IT ORIGINAL ALIGNMENT. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611. REPLACEMENT SHALL BE DRAIN PIPE OF THE SAME PIPE SIZE WITH A MINIMUM REPLACEMENT BEING DRAIN PIPE, 12". A TYPE B INLET WITH TYPE 1 CLOSED LID SHALL BE INSTALLED TO CONNECT THE TILES. A NOMINAL QUANTITY OF EACH ITEM HAS BEEN ADDED TO THE PLANS.

25. ALL ABANDONED DRAIN TILES WITHIN DISTURBED AREAS SHALL BE REMOVED IN THEIR ENTIRETY.

26. THE CONTRACTOR SHALL CONSTRUCT EACH CULVERT SEPARATELY. THE CONTRACTOR SHALL PERFORM THEIR WORK ON THE SOUTHERN CULVERT (SN 043-1117) FIRST IN THE 2023 CONSTRUCTION SEASON. THE CONTRACTOR SHALL NOT SET UP THE DETOUR OR BEGIN THEIR WORK ON THE NORTHERN CULVERT (SN 043-1118) UNTIL COMPLETION OF THE SOUTHERN CULVERT (SN 043-1117). THE CONTRACTOR MAY STORE EXCAVATION FROM THE SOUTHERN CULVERT (SN 043-1117) AT THE NORTHERN CULVERT SITE (SN 043-1118) BUT MUST MAINTAIN EXISTING DRAINAGE PATTERNS AND CONSTRUCT EROSION CONTROL PRIOR TO PLACEMENT.

**COMMITMENTS**

1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30. THE U.S. FISH AND WILDLIFE SERVICE CONCURRED WITH THE DETERMINATION AND DATE RESTRICTION ON TREE CLEARING.
2. TREES SHALL BE REMOVED BETWEEN OCTOBER 1, 2022 AND MARCH 31, 2023. ALL OTHER WORK SHALL NOT BEGIN UNTIL 2023.
3. THE ILLINOIS HERITAGE DATABASE CONTAINS RECORDS OF THE STATE-LISTED PALLID SHINER AND BLACK SANDSHELL MUSSEL. THE 2015 RECORD OF PALLID SHINER AND THE 2012 RECORD OF THE BLACK SANDSHELL MUSSEL BOTH OCCUR 0.5 MILES SOUTHEAST OF THE IMPROVEMENT IN THE APPLE RIVER. THERE WILL BE NO WORK PERFORMED IN THE APPLE RIVER.

COPY/RIGHT © 2022, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-0011211 - EXPIRES 4/30/2023  
 jharris\_defaul  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 1\1 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-gennote.dgn  
 ...:\p2p\dr\p2p\NOLAYERS\sw.pltctg  
 ...:\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 1\1 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-gennote.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-gennote.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND COMMITMENTS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	3
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN#PP A35(192)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117)	N. CULVERT (043-1118)
				0004 RURAL	0004 RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,003	344	659
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	699	276	423
20200100	EARTH EXCAVATION	CU YD	8,437	5,150	3,287
20200200	ROCK EXCAVATION	CU YD	406		406
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	21,830	10,666	11,164
25000210	SEEDING, CLASS 2A	ACRE	2.50	1.25	1.25
25000310	SEEDING, CLASS 4	ACRE	2.50	1.25	1.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	450	225	225
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	450	225	225
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	450	225	225
25000750	MOWING	ACRE	4.75	2.25	2.50
25100115	MULCH, METHOD 2	ACRE	4.75	2.25	2.50
25100630	EROSION CONTROL BLANKET	SQ YD	18,670	9,210	9,460
25100900	TURF REINFORCEMENT MAT	SQ YD	3,159	1,455	1,704

\* SPECIALTY ITEM

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE - \\baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 ...\\p1cd\p1cd\p1cd\NOLAXERS\sw\p1cd\g  
 ...\\CAD\p1cd\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-soq.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>		
SCALE: NTS	SHEET 1 OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	4
			CONTRACT NO. 64K62	
			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117)	N. CULVERT (043-1118)
				0004 RURAL	0004 RURAL
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	250	250
28000305	TEMPORARY DITCH CHECKS	FOOT	24	24	
28000315	AGGREGATE DITCH CHECKS	TON	110	28	82
28000400	PERIMETER EROSION BARRIER	FOOT	3,642	1,851	1,791
28000500	INLET AND PIPE PROTECTION	EACH	4	2	2
28100109	STONE RIPRAP, CLASS A5	SQ YD	129	129	
28200200	FILTER FABRIC	SQ YD	592	379	213
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,528	1,188	340
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	395	299	96
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50	TON	109	109	
40604010	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50	TON	48	23	25
42000060	WELDED WIRE REINFORCEMENT	SQ YD	90	30	60
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,170	768	402
44004250	PAVED SHOULDER REMOVAL	SQ YD	38	38	

\* SPECIALTY ITEM

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-soq.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	5
			CONTRACT NO. 64K62	
			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117) 0004	N. CULVERT (043-1118) 0004
				RURAL	RURAL
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	409	197	212
48101500	AGGREGATE SHOULDERS, TYPE B, 6"	SQ YD	774		774
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	927	927	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50102400	CONCRETE REMOVAL	CU YD	3.1		3.1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2		2
50105220	PIPE CULVERT REMOVAL	FOOT	12		12
* 50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	368	368	
50800105	REINFORCEMENT BARS	POUND	48,850	48,850	
50800515	BAR SPLICERS	EACH	103	103	
* 51500100	NAME PLATES	EACH	2	1	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,079	1,079	
52200600	GEOTEXTILE RETAINING WALL	SQ FT	146	146	
54003000	CONCRETE BOX CULVERTS	CU YD	195.7	195.7	
*	SPECIALTY ITEM				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS, PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris 3-17-2022  
 FILE NAME: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III D2M0-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 FILE PATH: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III D2M0-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED DTH	REVISED -
	DATE = 3-17-2022	FILE - D200915-sht-soq.dgn

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

**SUMMARY OF QUANTITIES**  
 SCALE: NTS SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	6
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPNHPP A35(192)				





SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117) 0004	N. CULVERT (043-1118) 0004
				RURAL	RURAL
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	42	42
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,129	2,129	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	6,240	6,240	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	24	24	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	354	354	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	354	354	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,693	3,522	3,171
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1	1	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1	1	
* SPECIALTY ITEM					

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS, PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris 3-17-2022  
 FILE NAME: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III\DOT\Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 FILE PATH: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III\DOT\Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 ...\\dotdrv\pdr\NOLAYERS\shw.pltctfg  
 ...\\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III\DOT\Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED DTH	REVISED -
	DATE = 3-17-2022	FILE - D200915-sht-soq.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 5 OF 6 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	8
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPNHPP A35(192)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% STATE
				S. CULVERT (043-1117) 0004 RURAL	N. CULVERT (043-1118) 0004 RURAL
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,348	1,761	1,587
X0323660	DROP BOX NO. 1	EACH	1		1
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	50	50
X2810110	STONE RIPRAP, CLASS A5 (SPECIAL)	SQ YD	464	251	213
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.5	0.5
Z0022800	FENCE REMOVAL	FOOT	1,428	273	1,155
Z0023600	FILLING EXISTING CULVERTS	EACH	1		1
* Z0025505	PROPERTY MARKERS	EACH	5	3	2
* Z0054500	ROCK FILL	TON	394	394	
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1	1	
*	SPECIALTY ITEM				

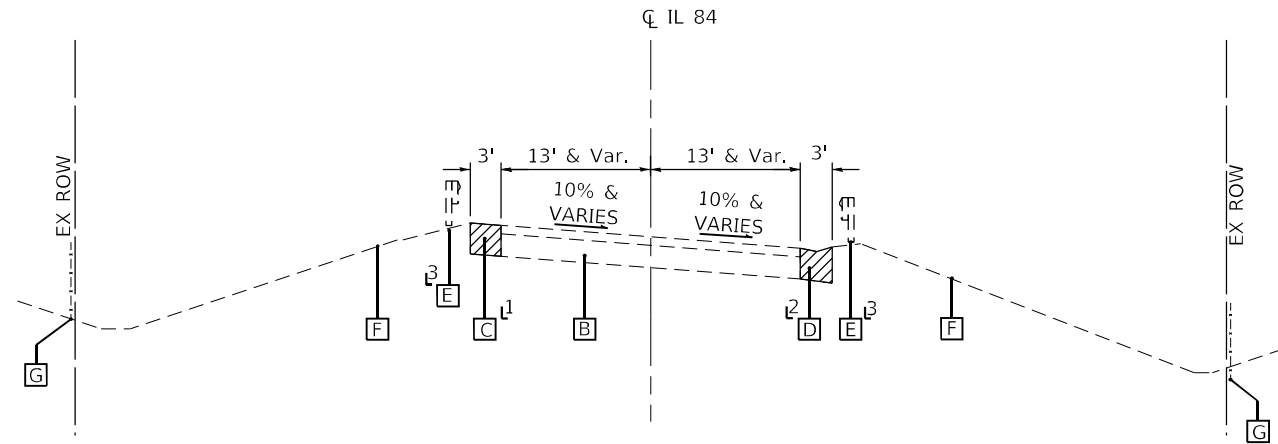
COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS, PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris 3-17-2022  
 FILE NAME: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III D2M0-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn  
 FILE PATH: \\corp.baxwood.com\Projects\Crysta Lake\DOT\180044-Var Ph III D2M0-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-soq.dgn

	USER NAME = jharris	DESIGNED JSH	REVISED -
		DRAWN KAR	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED DTH	REVISED -
	PLOT DATE = 3-17-2022	DATE = 3-17-2022	FILE - D200915-sht-soq.dgn

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

<b>SUMMARY OF QUANTITIES</b>	
SCALE: NTS	SHEET 6 OF 6 SHEETS
STA.	TO STA.

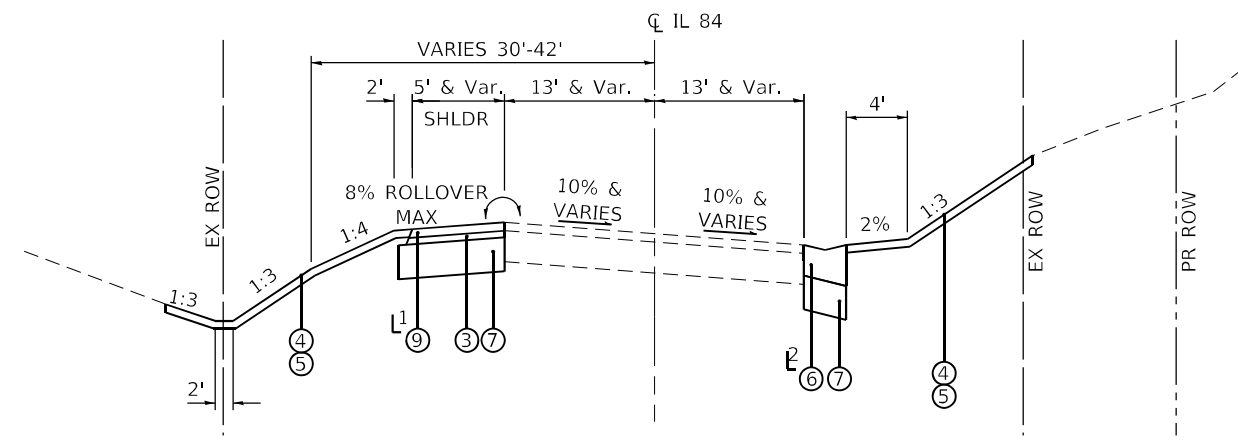
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	9
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPNHPP A35(192)				



### EXISTING TYPICAL SECTION

STA 141+34 TO STA 149+61

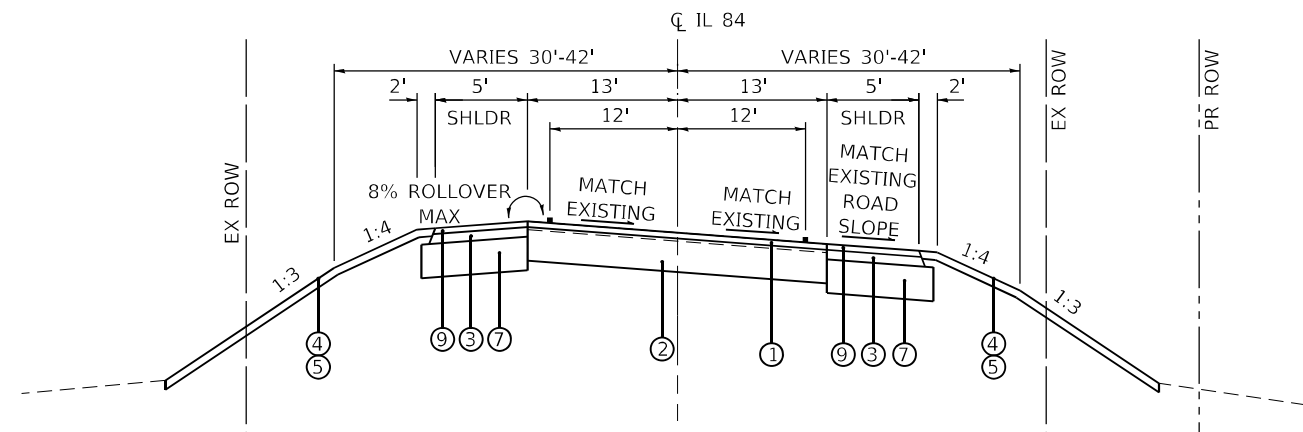
- L1 RT - STA 142+59 TO STA 149+61  
LT - STA 143+25 TO STA 149+61
- L2 RT - STA 141+34 TO STA 142+59  
LT - STA 141+34 TO STA 143+25
- L3 RT - STA 142+55 TO STA 146+13  
LT - STA 143+51 TO STA 144+23



### PROPOSED TYPICAL SECTION

STA 141+34 TO STA 143+76  
STA 144+44 TO STA 149+61

- L1 RT - STA 141+71 TO STA 149+61, MATCH EXISTING ROAD SLOPE  
LT - STA 141+71 TO STA 149+61, 8% ROLLOVER MAX.
- L2 RT - STA 141+34 TO STA 141+71  
LT - STA 141+34 TO STA 141+71



### PROPOSED TYPICAL SECTION

STA 143+76 TO STA 144+44

#### EXISTING LEGEND

- A PCC PAVEMENT 7" WITH 10" HMA OVERLAY
- B PCC PAVEMENT 10" WITH 5" HMA OVERLAY
- C AGGREGATE SHOULDER
- D CURB AND GUTTER
- E GUARDRAIL
- F GROUND
- G ROW FENCE
- REMOVAL

#### PROPOSED LEGEND

- 1 2" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50
- 2 CLASS C PATCH, TYPE IV, 13"
- 3 HOT-MIX ASPHALT SHOULDER, 6"
- 4 TOPSOIL FURNISH AND PLACE, 4"
- 5 SEEDING, (CLASS TYPE AS SHOWN ON PLANS)
- 6 CLASS SI CONCRETE (OUTLET)
- 7 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 8 AGGREGATE SHOULDER, TYPE B, 6"
- 9 2" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FB, MIX "C", N50

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHARRIS  
 3-17-2022  
 FILE NAME: \\p010.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph I-II D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-typical.dgn  
 FILE PATH: \\p010.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph I-II D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-typical.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
DRAWN KAR	REVISED -	
PLOT SCALE = 50,0000' / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-typical.dgn

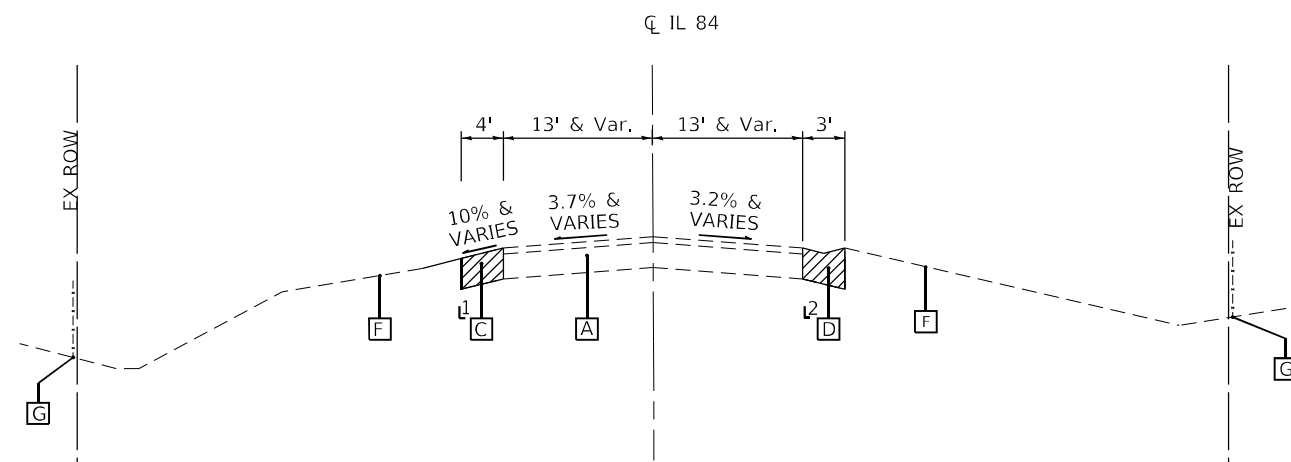
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)	
SCALE: NTS	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	10
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPNHPP A35(192)	



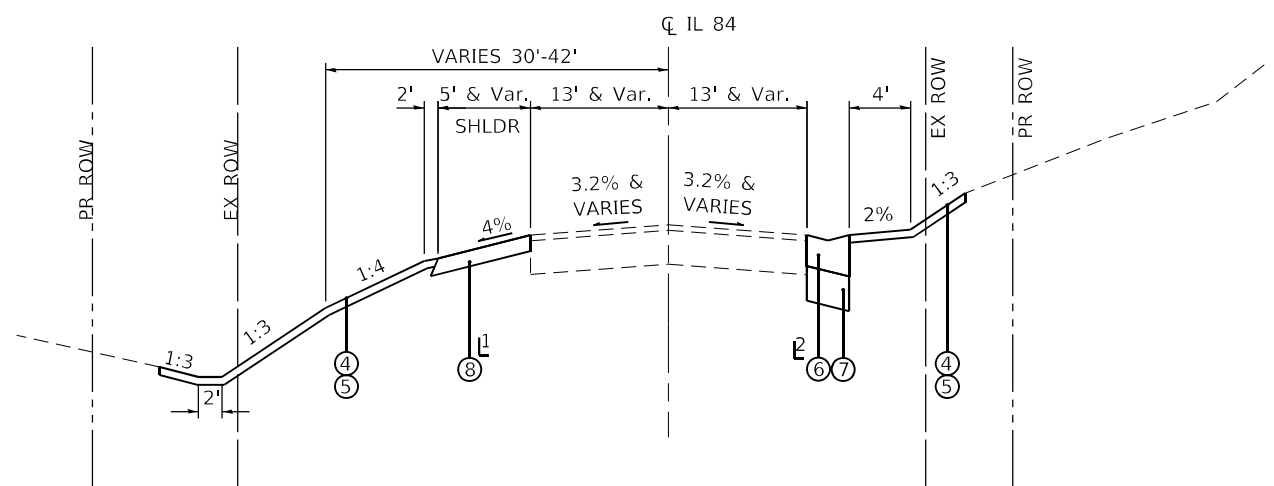
COPY/RIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-typical.dgn  
 ...:\p2p\dot\180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-typical.dgn  
 ...:\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-typical.dgn



### EXISTING TYPICAL SECTION

STA 377+03 TO STA 384+96

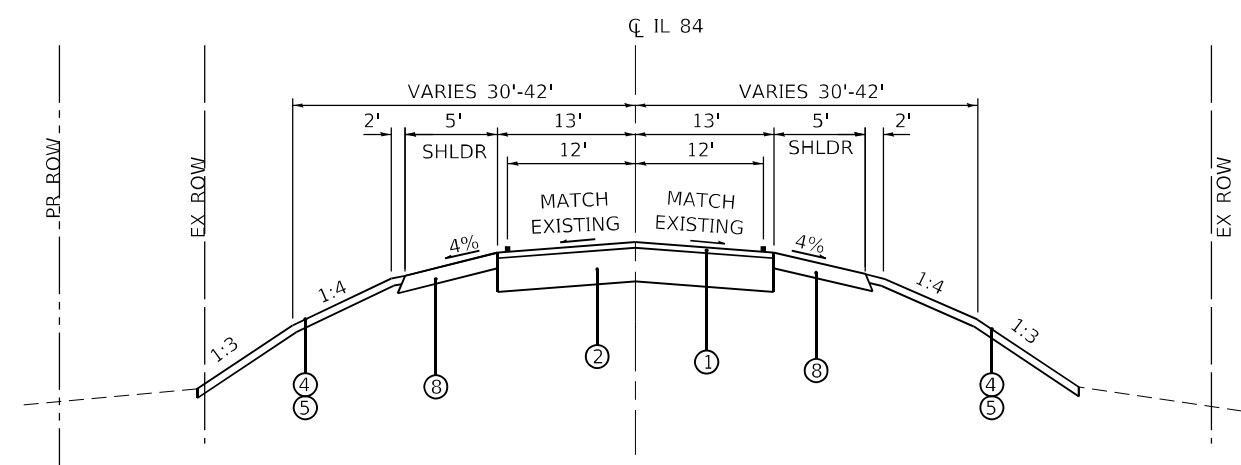
- 1 STA 378+06 TO STA 384+60 RT  
STA 377+39 TO STA 384+60 LT
- 2 STA 377+79 TO STA 378+06, STA 384+60 TO STA 384+96 RT  
STA 377+03 TO STA 377+39, STA 384+60 TO STA 384+96 LT



### PROPOSED TYPICAL SECTION

STA 377+03 TO STA 382+43, LT  
 STA 377+79 TO STA 382+43, RT  
 STA 383+16 TO STA 384+96

- 1 STA 378+06 TO STA 384+60 RT  
STA 377+39 TO STA 384+60 LT
- 2 STA 377+79 TO STA 378+06, STA 384+60 TO STA 384+96 RT  
STA 377+03 TO STA 377+39, STA 384+60 TO STA 384+96 LT



### PROPOSED TYPICAL SECTION

STA 382+43 TO STA 383+16

#### EXISTING LEGEND

- A PCC PAVEMENT 7" WITH 10" HMA OVERLAY
- B PCC PAVEMENT 10" WITH 5" HMA OVERLAY
- C AGGREGATE SHOULDER
- D CURB AND GUTTER
- E GUARDRAIL
- F GROUND
- G ROW FENCE
- REMOVAL

#### PROPOSED LEGEND

- 1 2" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50
- 2 CLASS C PATCH, TYPE IV, 13"
- 3 HOT-MIX ASPHALT SHOULDER, 6"
- 4 TOPSOIL FURNISH AND PLACE, 4"
- 5 SEEDING, (CLASS TYPE AS SHOWN ON PLANS)
- 6 CLASS SI CONCRETE (OUTLET)
- 7 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 8 AGGREGATE SHOULDER, TYPE B, 6"
- 9 2" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FB, MIX "C", N50



USER NAME = jharris	DESIGNED JSH	REVISED -
DRAWN KAR	REVISOR -	
PLOT SCALE = 50,0000 * / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-typical.dgn

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

<b>TYPICAL SECTIONS</b> <b>IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)</b>	
SCALE: NTS	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	11
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

**SCHEDULE OF QUANTITIES**

TREE SCHEDULE			
		20100110	20100210
		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
STATION	SIDE	(UNIT)	(UNIT)
145+56.04	RT	14	
145+20.15	RT	14	
145+00.68	RT	8	
144+87.65	RT	6	
144+55.62	RT	8	
144+41.14	RT	12	
144+34.23	RT	8	
144+28.93	RT	6	
144+28.39	RT	7	
144+21.06	RT	9	
144+16.70	RT	6	
144+07.48	RT	6	
144+05.52	RT		42
144+01.83	RT	7	
143+99.67	RT	10	
143+89.62	RT	12	
143+89.09	RT	7	
143+61.95	RT	8	
143+59.96	RT	6	
143+36.25	RT		28
143+19.23	RT	8	
142+95.03	RT	14	
142+94.46	RT	14	
144+27.14	LT		20
144+22.86	LT	9	
144+18.78	LT	12	
144+18.22	LT	10	
144+15.74	LT		40
144+13.58	LT		40
144+00.13	LT	10	
143+99.91	LT		50
143+98.04	LT	14	
143+95.95	LT	12	
143+95.19	LT	10	
143+91.99	LT	12	
143+86.10	LT		20
143+84.72	LT		16
143+82.20	LT		20
143+81.57	LT	8	
143+73.61	LT	10	
143+66.94	LT	6	
143+62.82	LT	10	
143+57.07	LT	12	
143+53.23	LT	12	
143+51.19	LT	7	
<b>SUB TOTAL (SOUTH CULVERT)</b>		<b>344</b>	<b>276</b>

TREE SCHEDULE			
		20100110	20100210
		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
STATION	SIDE	(UNIT)	(UNIT)
384+17.99	RT		18
384+06.85	RT		16
384+00.46	RT	12	
383+79.39	RT		16
383+77.52	RT	12	
383+70.03	RT	8	
383+67.17	RT	12	
383+64.31	RT	11	
383+51.03	RT	11	
383+49.66	RT		16
383+46.16	RT		18
383+31.87	RT	8	
383+31.23	RT		24
383+11.24	RT	7	
382+91.03	RT	10	
382+87.10	RT	11	
382+81.07	RT	9	
382+79.07	RT	15	
382+78.95	RT	9	
382+78.62	RT	11	
382+77.47	RT	12	
382+77.39	RT	15	
382+76.12	RT	7	
382+75.16	RT	13	
382+73.09	RT	14	
382+72.90	RT		32
382+72.84	RT	10	
382+71.96	RT	13	
382+63.94	RT	11	
382+63.10	RT	11	
382+62.62	RT	10	
382+60.71	RT	8	
382+58.87	RT	14	
382+56.97	RT	8	
382+54.04	RT	10	
382+54.04	RT		16
382+53.14	RT	7	
382+52.71	RT	8	
382+50.39	RT	13	
382+50.16	RT	13	
382+47.17	RT	13	
382+47.14	RT	11	
382+46.84	RT	8	
382+46.28	RT	9	
382+44.48	RT	8	
382+42.24	RT	8	
<b>SUB TOTAL 1 (NORTH CULVERT)</b>		<b>400</b>	<b>156</b>

TREE SCHEDULE			
		20100110	20100210
		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
STATION	SIDE	(UNIT)	(UNIT)
382+32.99	RT	14	
382+28.58	RT	10	
382+23.91	RT	11	
382+19.97	RT	8	
382+19.36	RT		19
382+17.09	RT		20
381+71.37	RT	6	
381+60.03	RT		24
381+55.22	RT		16
381+49.43	RT	8	
381+48.26	RT		17
381+48.03	RT	8	
381+38.97	RT	8	
381+38.11	RT	13	
381+36.41	RT	11	
381+16.02	RT	12	
381+07.86	RT	9	
381+06.28	RT	9	
381+01.59	RT	8	
381+00.66	RT	8	
380+97.37	RT		25
380+96.17	RT		20
380+68.36	RT	10	
383+53.33	LT		22
383+37.00	LT		18
383+30.95	LT	7	
382+81.08	LT	14	
382+70.76	LT	9	
382+33.77	LT	14	
381+88.56	LT		17
381+77.32	LT	9	
381+70.19	LT	7	
381+68.78	LT	12	
381+47.95	LT		16
381+39.86	LT	8	
381+28.72	LT	10	
381+27.97	LT	9	
381+10.50	LT	7	
380+96.97	LT		16
379+43.22	LT		37
<b>SUB TOTAL 2 (NORTH CULVERT)</b>		<b>259</b>	<b>267</b>
<b>SUB TOTAL (SOUTH CULVERT)</b>		<b>344</b>	<b>276</b>
<b>SUB TOTAL (NORTH CULVERT)</b>		<b>659</b>	<b>423</b>
<b>TOTAL</b>		<b>1003</b>	<b>699</b>

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-schedule.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>	
SCALE: NTS	SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIES	82	12
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN#P A35(192)				

**SCHEDULE OF QUANTITIES**

<b>EARTHWORK</b>				
LOCATION STA TO STA	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (25% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
141+34.90 TO 141+50.00	5.9	4.5	-	+5
141+50.00 TO 142+00.00	709.4	532.1	118.2	+414
142+00.00 TO 142+50.00	1,531.7	1,148.8	202.0	+947
142+50.00 TO 143+00.00	1,056.6	792.5	111.3	+681
143+00.00 TO 143+50.00	369.7	277.3	81.9	+195
143+50.00 TO 144+00.00	224.3	168.2	318.0	(-150)
144+00.00 TO 144+50.00	138.0	103.5	324.9	(-221)
144+50.00 TO 145+00.00	110.5	82.9	119.5	(-37)
145+00.00 TO 145+50.00	83.4	62.6	86.5	(-24)
145+50.00 TO 146+00.00	71.8	53.9	34.4	+20
146+00.00 TO 146+50.00	95.4	71.6	10.6	+61
146+50.00 TO 147+00.00	122.2	91.7	11.0	+81
147+00.00 TO 147+50.00	129.6	97.3	11.3	+86
147+50.00 TO 148+00.00	132.1	99.1	6.8	+92
148+00.00 TO 148+50.00	131.3	98.5	8.4	+90
148+50.00 TO 149+00.00	133.4	100.1	13.5	+87
149+00.00 TO 149+50.00	94.0	70.5	16.7	+54
149+50.00 TO 149+61.12	10.8	8.1	3.6	+5
<b>IL 84 SOUTH CULVERT SUBTOTALS</b>	<b>+5,150</b>	<b>+3,864</b>	<b>+1,479</b>	<b>+2,385</b>
377+03.00 TO 377+50.00	37.4	28.1	-	+28
377+50.00 TO 378+00.00	44.8	33.7	3.1	+31
378+00.00 TO 378+50.00	53.1	39.8	3.1	+37
378+50.00 TO 379+00.00	110.6	83.0	-	+83
379+00.00 TO 379+50.00	191.7	143.8	0.7	+143
379+50.00 TO 380+00.00	323.0	242.3	1.0	+241
380+00.00 TO 380+50.00	421.9	316.4	28.1	+288
380+50.00 TO 381+00.00	519.6	389.8	109.2	+281
381+00.00 TO 381+50.00	536.5	402.4	242.7	+160
381+50.00 TO 382+00.00	312.0	234.1	501.8	(-268)
382+00.00 TO 382+50.00	75.0	56.3	1,229.6	(-1,173)
382+50.00 TO 383+00.00	196.0	147.1	1,277.1	(-1,130)
383+00.00 TO 383+50.00	310.6	233.0	582.8	(-350)
383+50.00 TO 384+00.00	127.0	95.3	260.4	(-165)
384+00.00 TO 384+50.00	13.9	10.5	70.1	(-60)
384+50.00 TO 384+95.80	13.0	9.8	4.2	+6
<b>IL 84 NORTH CULVERT SUBTOTALS</b>	<b>+3,287</b>	<b>+2,466</b>	<b>+4,314</b>	<b>(-1,849)</b>
<b>TOTALS</b>	<b>+8,437</b>	<b>+6,330</b>	<b>+5,793</b>	<b>+536</b>

**CUT = EARTH EXCAVATION**  
**FILL = EMBANKMENT**  
**(-) = QUANTITY OF FURNISHED EXCAVATION**  
**(+) = QUANTITY TO BE WASTED**  
**QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%**

21101615 TOPSOIL FURNISH AND PLACE, 4"					
<u>LOCATION</u>	<u>LT/RT</u>	<u>SQ YD</u>	<u>COMMENTS</u>		
141+34.90 TO 149+61.12	RT	5955			
141+34.90 TO 149+61.12	LT	4711			
		10666	SOUTHERN CULVERT (SN 043-1117)		
377+79.15 TO 384+95.80	RT	5960			
377+03.46 TO 384+95.80	LT	5204			
		11164	NORTHERN CULVERT (SN 043-1118)		
25000210 SEEDING, CLASS 2A					
<u>LOCATION</u>	<u>LT/RT</u>	<u>ACRE</u>	<u>COMMENTS</u>		
141+80.72 TO 149+61.12	RT	0.41	FRONT SLOPES AND DITCH BOTTOMS		
141+80.72 TO 149+61.12	LT	0.60	FRONT SLOPES AND DITCH BOTTOMS		
		1.25	SOUTHERN CULVERT (SN 043-1117), ROUNDED UP TO NEAREST 0.25		
378+23.98 TO 384+48.96	RT	0.61	FRONT SLOPES AND DITCH BOTTOMS		
377+50.12 TO 384+48.96	LT	0.47	FRONT SLOPES AND DITCH BOTTOMS		
		1.25	NORTHERN CULVERT (SN 043-1118), ROUNDED UP TO NEAREST 0.25		
25000310 SEEDING, CLASS 4					
<u>LOCATION</u>	<u>LT/RT</u>	<u>ACRE</u>	<u>COMMENTS</u>		
141+34.90 TO 149+61.12	RT	0.82	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE		
141+34.90 TO 149+61.12	LT	0.37	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE		
		1.25	SOUTHERN CULVERT (SN 043-1117), ROUNDED UP TO NEAREST 0.25		
377+79.15 TO 384+95.80	RT	0.63	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE		
377+03.46 TO 384+95.80	LT	0.60	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE		
		1.25	NORTHERN CULVERT (SN 043-1118), ROUNDED UP TO NEAREST 0.25		
25000400 NITROGEN FERTILIZER NUTRIENT					
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	SOUTHERN CULVERT (SN 043-1117)			
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	NORTHERN CULVERT (SN 043-1118)			
25000500 PHOSPHORUS FERTILIZER NUTRIENT					
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	SOUTHERN CULVERT (SN 043-1117)			
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	NORTHERN CULVERT (SN 043-1118)			
25000600 POTASSIUM FERTILIZER NUTRIENT					
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	SOUTHERN CULVERT (SN 043-1117)			
<u>LOCATION</u>	<u>POUND</u>	<u>COMMENTS</u>			
SEEDING 2A & 4	225	90 LBS/ACRE			
	225	NORTHERN CULVERT (SN 043-1118)			
25000750 MOWING					
<u>LOCATION</u>	<u>LT/RT</u>	<u>ACRE</u>	<u>COMMENTS</u>		
141+34.90 TO 149+61.12	RT	1.23			
141+34.90 TO 149+61.12	LT	0.97			
		2.25	SOUTHERN CULVERT (SN 043-1117), ROUNDED UP TO NEAREST 0.25		
377+79.15 TO 384+95.80	RT	1.24			
377+03.46 TO 384+95.80	LT	1.07			
		2.50	NORTHERN CULVERT (SN 043-1118), ROUNDED UP TO NEAREST 0.25		

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE - \\baxwood.com\Projects\Crystal Lake\DOT\180044\2 - Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\baxwood.com\Projects\Crystal Lake\DOT\180044\2 - Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
DRAWN KAR	REVISOR -	
PLOT SCALE = 40,0000' / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-schedule.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>	
SCALE: NTS	SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIES	82	13
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN#P3 A35(192)				

**SCHEDULE OF QUANTITIES**

LOCATION	LT/RT	ACRE	COMMENTS
141+34.90 TO 149+61.12	RT	1.23	
141+34.90 TO 149+61.12	LT	0.97	
		<u>2.25</u>	SOUTHERN CULVERT (SN 043-1117)
377+79.15 TO 384+95.80	RT	1.24	
377+03.46 TO 384+95.80	LT	1.07	
		<u>2.50</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	SQ YD	COMMENTS
SEEDING 2A	4910	FRONT SLOPES AND DITCH BOTTOMS
SEEDING 4	5755	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE
TURF REINFORCEMENT MAT	-1455	SUBTRACT
	<u>9210</u>	SOUTHERN CULVERT (SN 043-1117)
SEEDING 2A	5226	FRONT SLOPES AND DITCH BOTTOMS
SEEDING 4	5938	BACKSLOPES AND AREAS BEHIND THE BACKSLOPE
TURF REINFORCEMENT MAT	-1704	SUBTRACT
	<u>9460</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	SQ YD	COMMENTS
141+99.41 TO 143+81.44	366	17' WIDTH
141+99.41 TO 143+93.13	364	17' WIDTH
144+40.96 TO 149+61.12	725	13' WIDTH
	<u>1455</u>	SOUTHERN CULVERT (SN 043-1117)
377+67.97 TO 382+97.87	719	12' WIDTH
383+08.84 TO 384+31.04	173	11' WIDTH
378+43.95 TO 382+30.64	547	12' WIDTH
382+57.58 TO 384+31.04	265	12' WIDTH
	<u>1704</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	POUNDS	COMMENTS
SEEDING 2A	125	100 POUNDS / ACRE
SEEDING 4	125	100 POUNDS / ACRE
	<u>250</u>	SOUTHERN CULVERT (SN 043-1117)
SEEDING 2A	125	100 POUNDS / ACRE
SEEDING 4	125	100 POUNDS / ACRE
	<u>250</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	FOOT	COMMENTS
146+00 TO 149+00	RT	24	3 DITCH CHECKS
		<u>24</u>	SOUTHERN CULVERT (SN 043-1117)

LOCATION	LT/RT	TON	COMMENTS
142+00 TO 142+70	RT	3.6	3 DITCH CHECKS
142+70 TO 143+50	RT	3.6	3 DITCH CHECKS
143+50 TO 144+00	RT	2.4	2 DITCH CHECKS
144+40 TO 145+00	RT	1.2	1 DITCH CHECKS
145+00 TO 146+00	RT	3.6	3 DITCH CHECKS
149+00 TO 149+61	RT	2.4	2 DITCH CHECKS
142+00 TO 143+90	LT	10.8	9 DITCH CHECKS
		<u>28</u>	SOUTHERN CULVERT (SN 043-1117)

378+44 TO 382+41	RT	24.0	20 DITCH CHECKS
382+57 TO 384+31	RT	18.0	15 DITCH CHECKS
378+00 TO 384+98	LT	24.0	20 DITCH CHECKS
383+08 TO 384+31	LT	15.6	13 DITCH CHECKS
		<u>82</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	FOOT	COMMENTS
141+15 TO 150+00	RT	877	
141+15 TO 150+00	LT	974	
		<u>1851</u>	SOUTHERN CULVERT (SN 043-1117)
377+03 TO 385+00	RT	907	
377+03 TO 385+00	LT	884	
		<u>1791</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	EACH	COMMENTS
141+10	RT	1	
141+10	LT	1	
		<u>2</u>	SOUTHERN CULVERT (SN 043-1117)
382+50	RT	1	
383+05	LT	1	
		<u>2</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	SQ YD	COMMENTS
141+70.90 TO 143+76.00	LT	113	PRESTAGE - HMA SHOULDER
144+44.00 TO 149+61.12	LT	315	PRESTAGE - HMA SHOULDER
143+76.00 TO 144+44.00	LT	39	STAGE 1 - HMA SHOULDER
141+70.90 TO 149+61.12	RT	422	PRESTAGE - HMA SHOULDER
143+76.00 TO 144+44.00	RT	38	STAGE 2 - HMA SHOULDER
141+34.90 TO 141+99.41	LT	32	CURB OUTLET
141+34.90 TO 141+99.41	RT	32	CURB OUTLET
143+76.00 TO 144+44.00		<u>197</u>	PATCHING
		<u>1188</u>	SOUTHERN CULVERT (SN 043-1117)

377+03.46 TO 377+67.97	LT	32	CURB OUTLET
377+79.15 TO 378+43.65	RT	32	CURB OUTLET
384+31.30 TO 384+95.80	LT	32	CURB OUTLET
384+31.30 TO 384+95.80	RT	32	CURB OUTLET
382+43.00 TO 383+16.00		<u>212</u>	PATCHING
		<u>340</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	POUND	COMMENTS
141+70.90 TO 143+76.00	26	0.025 POUNDS / SQ FT, PRESTAGE - HMA SHOULDER
144+44.00 TO 149+61.12	71	0.025 POUNDS / SQ FT, PRESTAGE - HMA SHOULDER
143+76.00 TO 144+44.00	9	0.025 POUNDS / SQ FT, STAGE 1 - HMA SHOULDER
141+70.90 TO 149+61.12	95	0.025 POUNDS / SQ FT, PRESTAGE - HMA SHOULDER
143+76.00 TO 144+44.00	9	0.025 POUNDS / SQ FT, STAGE 2 - HMA SHOULDER
143+76.00 TO 144+44.00	89	0.05 POUNDS / SQ FT, PATCHING
	<u>299</u>	SOUTHERN CULVERT (SN 043-1117)
382+43.00 TO 383+16.00	96	0.05 POUNDS / SQ FT, PATCHING
	<u>96</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	TON	COMMENTS
141+70.90 TO 143+76.00	LT	13	PRESTAGE
144+44.00 TO 149+61.12	LT	37	PRESTAGE
143+76.00 TO 144+44.00	LT	5	STAGE 1
141+70.90 TO 149+61.12	RT	49	PRESTAGE
143+76.00 TO 144+44.00	RT	5	STAGE 2
		<u>109</u>	SOUTHERN CULVERT (SN 043-1117)

LOCATION	TON	COMMENTS
143+76.00 TO 144+44.00	23	2-INCH THICKNESS, PATCHING
	<u>23</u>	SOUTHERN CULVERT (SN 043-1117)
382+43.00 TO 383+16.00	25	2-INCH THICKNESS, PATCHING
	<u>25</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	SQ YD	COMMENTS
141+34.90 TO 141+99.41	LT	15	SOUTHWEST WITH ONE OUTLET
141+34.90 TO 141+99.41	RT	15	SOUTHWEST WITH TWO OUTLETS
		<u>30</u>	SOUTHERN CULVERT (SN 043-1117)
377+03.46 TO 377+67.97	LT	15	SOUTHWEST WITH ONE OUTLET
383+94.44 TO 378+43.65	LT	15	NORTHWEST WITH ONE OUTLET
377+79.15 TO 384+95.80	RT	15	SOUTHWEST WITH ONE OUTLET
384+03.69 TO 384+95.80	RT	15	NORTHEAST WITH ONE OUTLET
		<u>60</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	FOOT	COMMENTS
141+34.90 TO 143+76.48	LT	244	SOUTHWEST WITH ONE OUTLET
141+34.90 TO 146+28.27	RT	524	SOUTHWEST WITH TWO OUTLETS
		<u>768</u>	SOUTHERN CULVERT (SN 043-1117)
377+03.46 TO 377+98.84	LT	98	SOUTHWEST WITH ONE OUTLET
383+94.44 TO 384+95.80	LT	106	NORTHWEST WITH ONE OUTLET
377+79.15 TO 378+79.11	RT	102	SOUTHWEST WITH ONE OUTLET
384+03.69 TO 384+95.80	RT	96	NORTHEAST WITH ONE OUTLET
		<u>402</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	SQ YD	COMMENTS
143+76.00 TO 144+44.00	RT	38	STAGE 2, SHOULDER
		<u>38</u>	SOUTHERN CULVERT (SN 043-1117)

LOCATION	SQ YD	COMMENTS
143+76.00 TO 144+44.00	197	
	<u>197</u>	SOUTHERN CULVERT (SN 043-1117)
382+43.00 TO 383+16.00	212	
	<u>212</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	SQ YD	COMMENTS
377+39.53 TO 384+59.80	LT	421	
378+15.15 TO 384+59.80	RT	353	
		<u>774</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	SQ YD	COMMENTS
141+70.90 TO 143+76.00	LT	113	PRESTAGE
144+44.00 TO 149+61.12	LT	315	PRESTAGE
143+76.00 TO 144+44.00	LT	39	STAGE 1
141+70.90 TO 149+61.12	RT	422	PRESTAGE
143+76.00 TO 144+44.00	RT	38	STAGE 2
		<u>927</u>	SOUTHERN CULVERT (SN 043-1117)

LOCATION	LT/RT	EACH	COMMENTS
379+87.07	RT	1	EXISTING 17' LONG HEADWALL USED AS DITCH CHECK
381+44.12	LT	1	EXISTING 19' LONG HEADWALL USED AS DITCH CHECK
		<u>2</u>	NORTHERN CULVERT (SN 043-1118)

LOCATION	LT/RT	FOOT	COMMENTS
382+81.35 TO 382+81.35	LT	12	EXISTING 8" PVC PIPE USED FOR CROSSING TRIBUTARY
		<u>12</u>	NORTHERN CULVERT (SN 043-1118)

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris Default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-schedule.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	14
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN#P35(1192)				



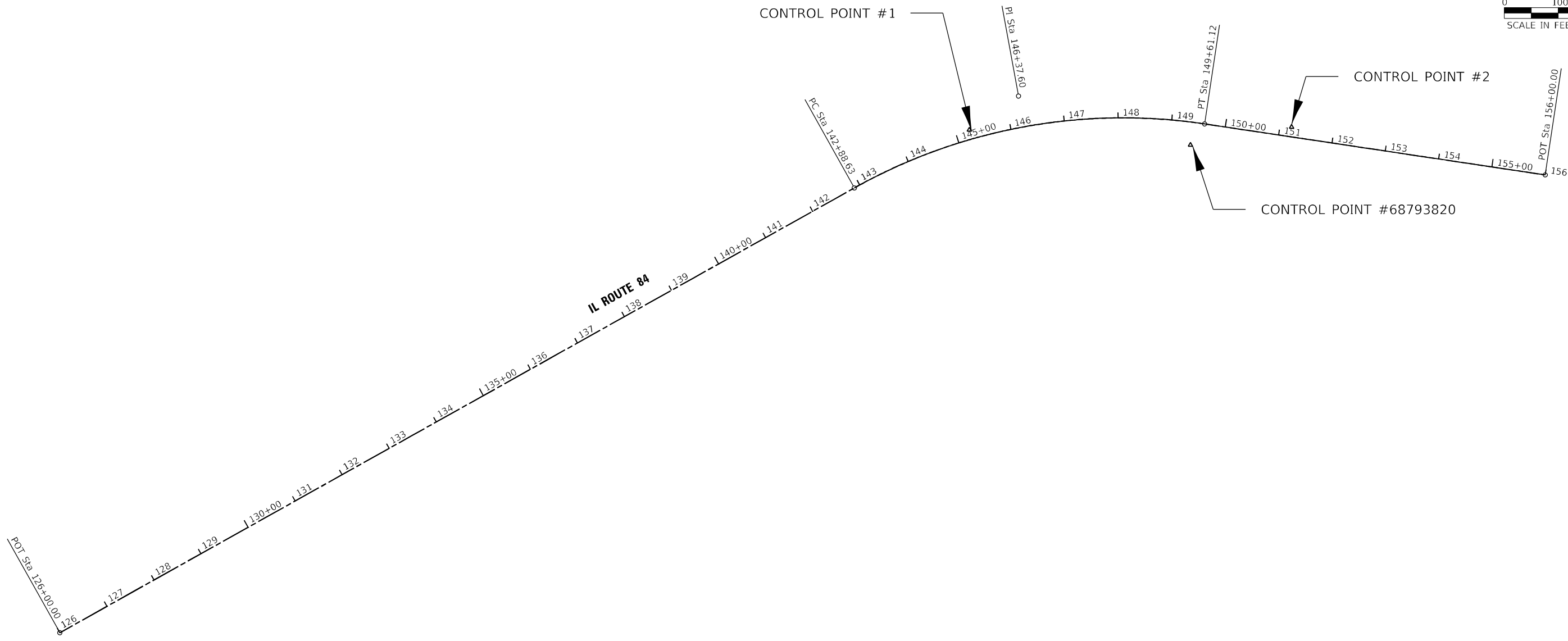
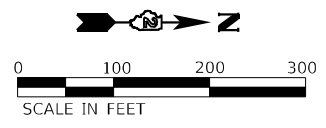
COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-0011211 - EXPIRES 4/30/2023  
 jharris Default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-schedule.dgn

### SCHEDULE OF QUANTITIES

LOCATION	FOOT	COMMENTS
60100945 PIPE DRAINS 12"		
TO BE DETERMINED BY ENGINEER	50	
	50	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	50	
	50	NORTHERN CULVERT (SN 043-1118)
60240215 INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID		
TO BE DETERMINED BY ENGINEER	1	
	1	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	1	
	1	NORTHERN CULVERT (SN 043-1118)
60600095 CLASS SI CONCRETE (OUTLET)		
TO BE DETERMINED BY ENGINEER	12	
	12	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	23	
	23	NORTHERN CULVERT (SN 043-1118)
63200310 GUARDRAIL REMOVAL		
TO BE DETERMINED BY ENGINEER	526	
	526	SOUTHERN CULVERT (SN 043-1117)
63500105 DELINEATORS		
TO BE DETERMINED BY ENGINEER	2	
	2	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	2	
	2	NORTHERN CULVERT (SN 043-1118)
66500105 WOVEN WIRE FENCE, 4'		
TO BE DETERMINED BY ENGINEER	1444	
	1444	NORTHERN CULVERT (SN 043-1118)
66700305 PERMANENT SURVEY MARKERS, TYPE II		
TO BE DETERMINED BY ENGINEER	1	
	1	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	1	
	1	NORTHERN CULVERT (SN 043-1118)
70106700 TEMPORARY RUMBLE STRIPS		
TO BE DETERMINED BY ENGINEER	6	
	6	SOUTHERN CULVERT (SN 043-1117)
70107025 CHANGEABLE MESSAGE SIGN		
TO BE DETERMINED BY ENGINEER	42	
	42	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	42	
	42	NORTHERN CULVERT (SN 043-1118)

LOCATION	OFFSET	LT/RT	EACH	COMMENTS
66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS				
141+75.00	110.42	RT	1	
142+00.00	120.00	RT	1	
142+30.00	120.00	RT	1	
142+50.00	110.44	RT	1	
142+92.73	110.44	RT	1	
144+17.14	109.86	RT	1	
144+17+07	73.00	RT	1	
147+00.00	59.00	RT	1	
150+00.00	40.00	RT	1	
141+15.00	49.59	LT	1	
141+90.00	90.00	LT	1	
144+30.00	120.00	LT	1	
144+85.00	50.00	LT	1	
146+50.00	55.00	LT	1	
148+50.00	55.00	LT	1	
149+61.12	50.00	LT	1	
151+00.00	40.00	LT	1	
			17	SOUTHERN CULVERT (SN 043-1117)
377+50.00	45.00	RT	1	
379+50.00	65.00	RT	1	
381+50.00	105.00	RT	1	
382+00.00	180.00	RT	1	
382+70.00	195.00	RT	1	
383+10.00	115.00	RT	1	
385+00.00	41.00	RT	1	
379+00.00	50.00	LT	1	
380+00.00	85.00	LT	1	
381+50.00	92.00	LT	1	
382+85.00	130.00	LT	1	
384+60.00	40.00	LT	1	
			12	NORTHERN CULVERT (SN 043-1118)
70300150 SHORT TERM PAVEMENT MARKING REMOVAL				
BETWEEN STAGE 1 AND STAGE 2			426	PORTIONS OF STAGE 1 PAVEMENT MARKING TO REMAIN
BETWEEN STAGE 2 AND STAGE 3			529	
BETWEEN STAGE 3 AND POST-STAGE			1174	
			2129	SOUTHERN CULVERT (SN 043-1117)
70307120 TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE				
140+81.00 TO 147+97.11			1427	STAGE 1
140+97.00 TO 147+82.06			1292	STAGE 2, PORTIONS OF STAGE 1 PAVEMENT MARKING TO REMAIN
140+81.00 TO 149+61.12			3521	STAGE 3
			6240	SOUTHERN CULVERT (SN 043-1117)
70307210 TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE				
STAGE 1			24	INSTALLED FOR STAGE 1 AND REMAINS THROUGH STAGE 2
			24	SOUTHERN CULVERT (SN 043-1117)
70400100 TEMPORARY CONCRETE BARRIER				
STAGE 1			353.375	
			354	SOUTHERN CULVERT (SN 043-1117)
70400200 RELOCATE TEMPORARY CONCRETE BARRIER				
STAGE 2			353.375	
			354	SOUTHERN CULVERT (SN 043-1117)

LOCATION	EACH	COMMENTS
70600250 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3		
STAGE 1	2	
	2	SOUTHERN CULVERT (SN 043-1117)
70600350 IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3		
STAGE 1	2	
	2	SOUTHERN CULVERT (SN 043-1117)
78001110 PAINT PAVEMENT MARKING - LINE 4"		
140+81.00 TO 149+61.12	873	WHITE EDGE LINE
140+81.00 TO 149+61.12	888	WHITE EDGE LINE
140+81.00 TO 149+61.12	1761	DOUBLE YELLOW CENTERLINE
	3522	SOUTHERN CULVERT (SN 043-1117)
377+03.46 TO 384+95.80	793	WHITE EDGE LINE
377+03.46 TO 384+95.80	793	WHITE EDGE LINE
377+03.46 TO 384+95.80	1585	DOUBLE YELLOW CENTERLINE
	3171	NORTHERN CULVERT (SN 043-1118)
78100100 RAISED REFLECTIVE PAVEMENT MARKER		
144+50.00	1	CENTERLINE
	1	SOUTHERN CULVERT (SN 043-1117)
78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
144+50.00	1	CENTERLINE
	1	SOUTHERN CULVERT (SN 043-1117)
78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING		
140+81.00 TO 149+61.12	291	4" EDGE LINE
140+81.00 TO 149+61.12	296	4" EDGE LINE
140+81.00 TO 149+61.12	1174	4" DOUBLE CENTERLINE
	1761	SOUTHERN CULVERT (SN 043-1117)
377+03.46 TO 384+95.80	265	4" EDGE LINE
377+03.46 TO 384+95.80	265	4" EDGE LINE
377+03.46 TO 384+95.80	1057	4" DOUBLE CENTERLINE
	1587	NORTHERN CULVERT (SN 043-1118)
X2130010 EXPLORATION TRENCH, SPECIAL		
TO BE DETERMINED BY ENGINEER	50	
	50	SOUTHERN CULVERT (SN 043-1117)
TO BE DETERMINED BY ENGINEER	50	
	50	NORTHERN CULVERT (SN 043-1118)
Z0022800 FENCE REMOVAL		
142+97.73 TO 145+86.27	273	
	273	SOUTHERN CULVERT (SN 043-1117)
379+02.52 TO 384+50.70	549	
377+61.58 TO 382+17.70	455	
383+39.26 TO 383+47.67	20	
383+69.45 TO 385+00.00	131	
	1155	NORTHERN CULVERT (SN 043-1118)
Z0025505 PROPERTY MARKERS		
147+39.32	1	
147+46.25	1	
150+87.15	1	
	3	SOUTHERN CULVERT (SN 043-1117)
383+44.01	1	
383+45.56	1	
	2	NORTHERN CULVERT (SN 043-1118)



EXISTING CURVE PRIL84S  
 PI STA. = 146+37.60  
 $\Delta$  = 37° 45' 42" (RT)  
 D = 5° 36' 55"  
 R = 1,020.37'  
 T = 348.97'  
 L = 672.49'  
 E = 58.02'  
 e = 8.00%  
 T.R. = 51'  
 S.E. RUN = 204'  
 P.C. STA = 142+88.63  
 P.T. STA = 149+61.12

IL ROUTE 84 BENCHMARKS				
BM #	DESCRIPTION	N	E	ELEV.
JOD84-1A	HORIZONTAL AND VERTICAL MONUMENT GPS BASE LOCATION	2,030,419.880	2,269,958.640	633.28
JOD84-1B	CHECK FOR GPS	2,032,797.580	2,268,555.730	647.65

GPS CONTROL POINT	IL ROUTE 84 CONTROL POINTS				
	LOCATION	N	E	ELEV.	DESCRIPTION
1	145+23.37 L.T. 17.57'	2,022,044.7313	2,270,317.8923	609.7920	PIN WITH CAP
2	151+21.54 L.T. 18.15'	2,022,642.4435	2,270,312.5818	608.3150	PIN WITH CAP
68793820	149+40.17 RT. 42.32'	2,022,454.9425	2,270,345.8507	607.6549	CJ010

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris - default  
 FILE NAME: G:\p2\ba\wood\com\Projects\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-ATB-South.dgn  
 ...:\p2\ba\wood\com\Projects\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-ATB-South.dgn  
 ...:\p2\ba\wood\com\Projects\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-ATB-South.dgn



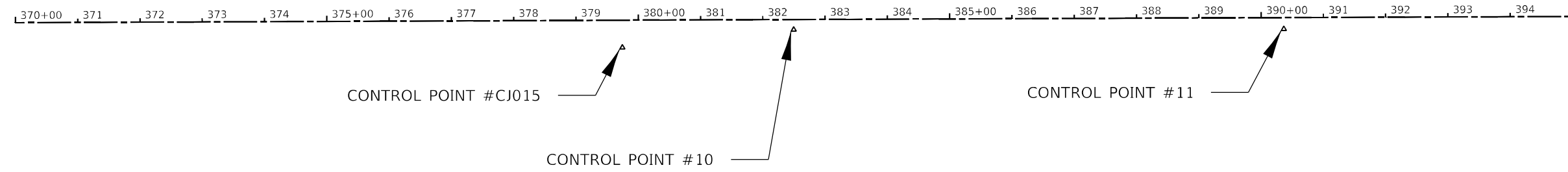
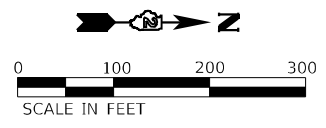
USER NAME = jharris	DESIGNED JS06H	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN JSNAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED DTPH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-ATB-South.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIE, AND BENCHMARKS  
IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION (103.104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 16
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN-HP A35(192)				



Beginning chain PRIL84N description  
 Feature: Geom\_Pr\_Centerline  
 =====  
 Point 388            N    2,037,776.30 E    2,264,444.16 Sta    331+00  
 Course from 388 to 389 N 0° 13' 41" W Dist 8,600.00  
 Point 389            N    2,046,376.23 E    2,264,409.93 Sta    417+00  
 =====  
 Ending chain PRIL84N description

IL ROUTE 84 BENCHMARKS				
BM #	DESCRIPTION	N	E	ELEV.
JOD84-1A	HORIZONTAL AND VERTICAL MONUMENT GPS BASE LOCATION	2,030,419.880	2,269,958.640	633.28
JOD84-1B	CHECK FOR GPS	2,032,797.580	2,268,555.730	647.65

GPS CONTROL POINT	IL ROUTE 84 CONTROL POINTS				
	LOCATION	N	E	ELEV.	DESCRIPTION
CJ015	379+74.45 RT. 43.91'	2,042,650.8863	2,264,468.6630	667.4575	NGS MONUMENT
10	382+49.63 RT. 16.30'	2,042,925.9527	2,264,439.9607	662.0580	PIN WITH CAP
11	390+36.48 RT. 18.21'	2,043,712.8023	2,264,438.7425	697.2008	PIN WITH CAP

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris    default  
 FILE NAME: \\g:\baxwood\com\Projects\Crystal Lake\DOT\180044\4-Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-ATB-North.dgn  
 ...:\p\cd\rv\p\NOLAYERS\sw\plctf.g  
 ...:\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT\180044-Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-ATB-North.dgn

<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	USER NAME = jharris	DESIGNED JSH	REVISED -
		DRAWN KAR	REVISED -
	PLOT SCALE = 200,0000' / in.	CHECKED DTH	REVISED -
	PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-ATB-North.dgn

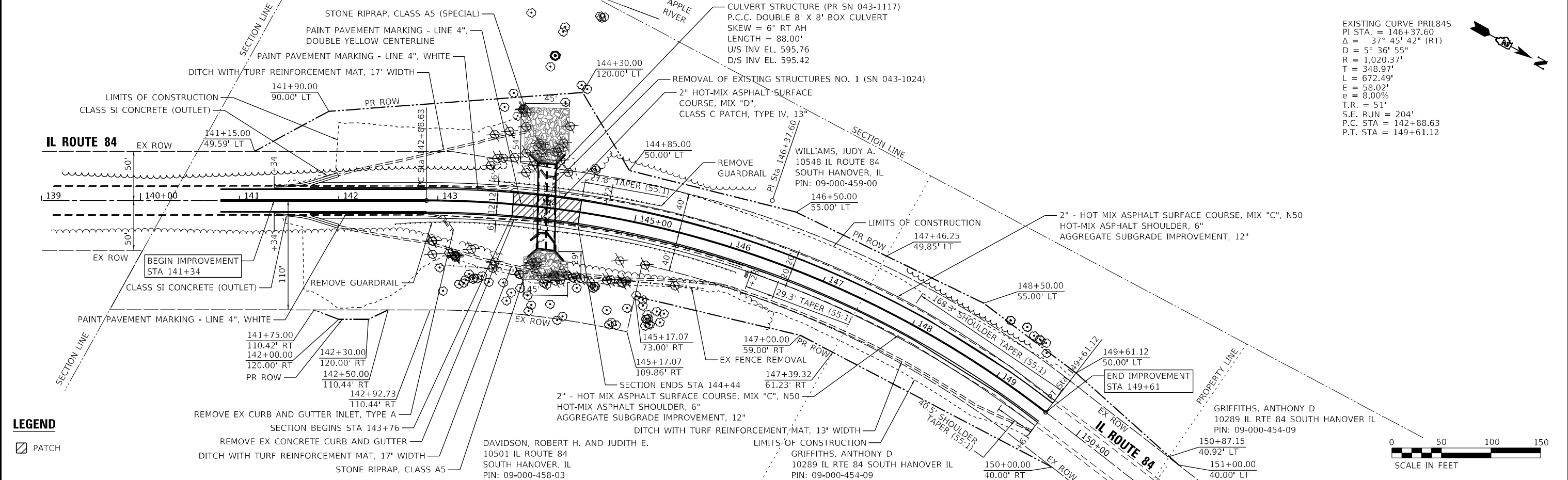
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIE, AND BENCHMARKS  
IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**

SCALE: 1" = 100'    SHEET 2 OF 2 SHEETS    STA.                      TO STA.

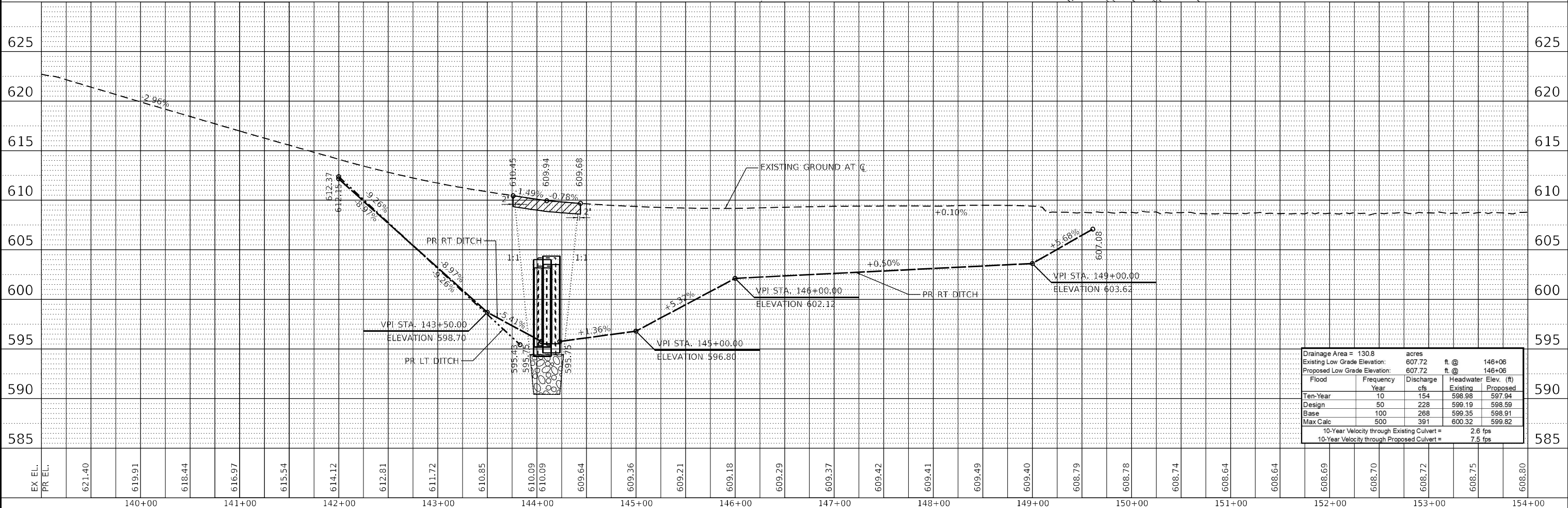
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	17
			CONTRACT NO. 64K62	
		ILLINOIS FED. AID PROJECT FPN/PP A35(192)		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris  
 FILE NAME: W:\baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-PlnPrf\_South.dgn



EXISTING CURVE PRIL84S  
 PI STA. = 146+37.60  
 $\Delta = 37^\circ 45' 42''$  (RT)  
 $R = 5^\circ 36' 55''$   
 $T = 348.97'$   
 $L = 672.49'$   
 $E = 58.02'$   
 $e = 8.00\%$   
 $T.R. = 51'$   
 $S.E. RUN = 204'$   
 $P.C. STA = 142+88.63$   
 $P.T. STA = 149+61.12$

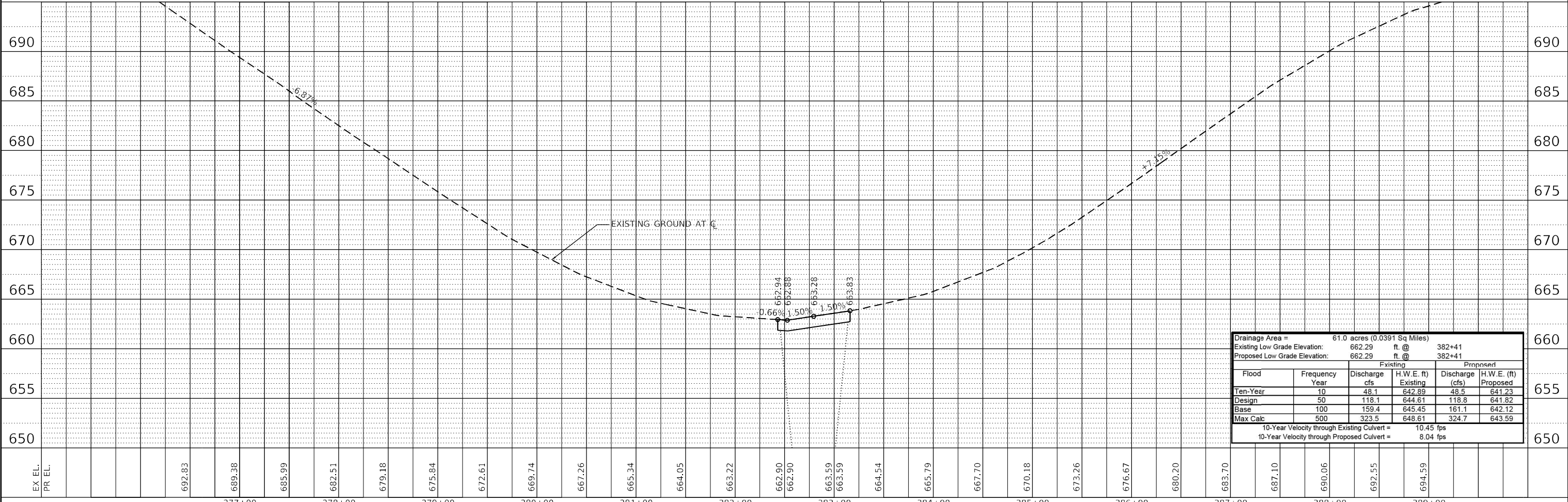
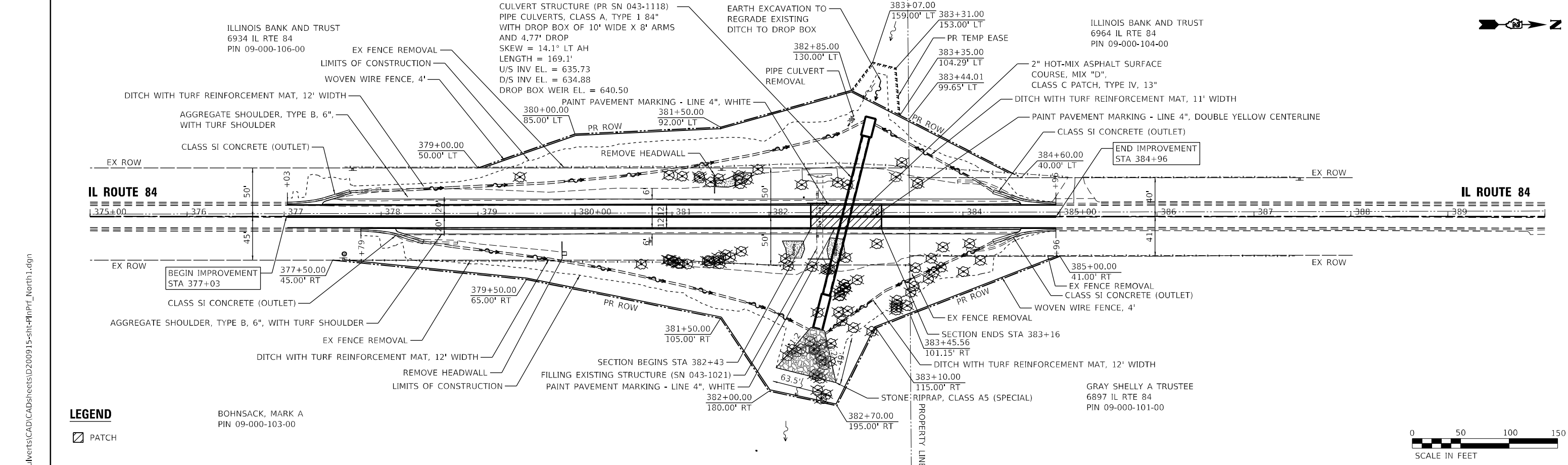
**LEGEND**  
 [Symbol] PATCH



Drainage Area = 130.8 acres				
Existing Low Grade Elevation:		607.72	ft. @	146+06
Proposed Low Grade Elevation:		607.72	ft. @	146+06
Flood Year	Frequency	Discharge cfs	Headwater Existing	Elev. (ft) Proposed
Ten-Year	10	154	598.98	597.94
Design	50	228	599.19	598.59
Base	100	268	599.35	598.91
Max Calc	500	391	600.32	599.82
10-Year Velocity through Existing Culvert =			2.6 fps	
10-Year Velocity through Proposed Culvert =			7.5 fps	

	USER NAME = jharris	DESIGNED - JSH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)</b>	SCALE: H: 1"=20' V: 1"=5' 1 1 STA. 139+00 TO STA. 154+00	COUNTY JO DAVIESS CONTRACT NO. 82 18 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT FPN-H35(192)
	PLOT SCALE = 100.0000' / in.	CHECKED - DTH	REVISED -				
	PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-PlnPrf_South.dgn				
	TOTAL SHEETS 18 SHEET NO. 18						





STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHARRIS 3-17-2022  
 FILE NAME: W:\baxwood\com\Projects\Crystal Lake\DOT\180044\Var Ph III D2,40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-PlnPrf\_North1.dgn



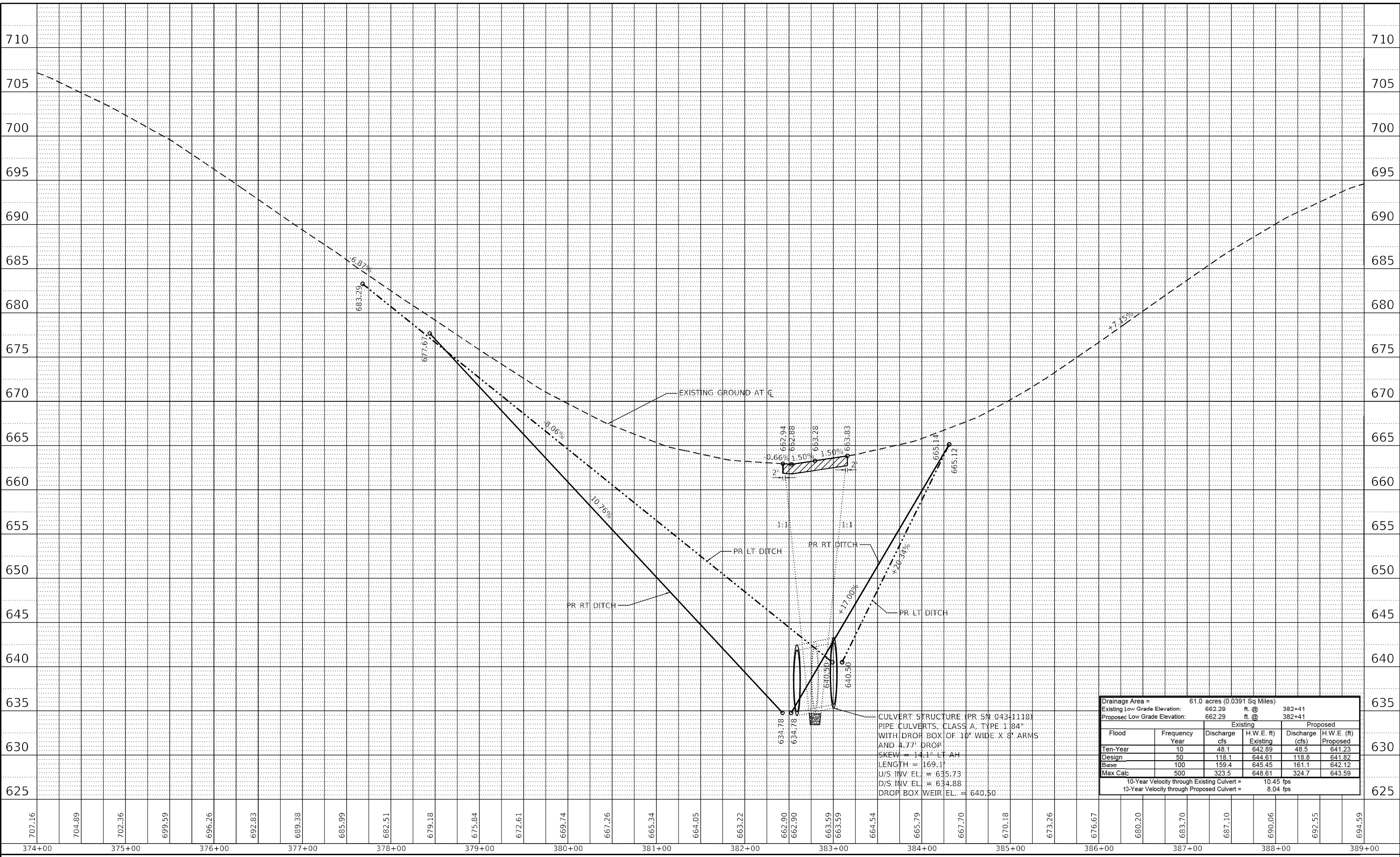
USER NAME = jharris	DESIGNED -	REVISED -
PLOT SCALE = 100,000.00' / in.	DRAWN -	REVISED -
PLOT DATE = 3-17-2022	CHECKED -	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-PlnPrf_North1.dgn

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SFAU	(103,104) CR	JO DAVIESS	82	19
SCALE: H: 1"=20' V: 1"=5'		CONTRACT NO.	64K62	
STA. 375+00 STA. 390+00		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT FPNHP33(192)	

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris 3-17-2022  
 FILE NAME: \\corpbaxwood.com\Projects\Crystal Lake\DOT180044\3r Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-PinPrf\_North2.dgn  
 FILE NAME: \\corpbaxwood.com\Projects\Crystal Lake\DOT180044\3r Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-PinPrf\_North2.dgn



CULVERT STRUCTURE (PR SN 043-1118)  
 PIPE CULVERTS, CLASS 'A', TYPE '184"  
 WITH DROP BOX OF 10' WIDE X 8' ARMS  
 AND 4.77' DROP  
 SKEW = 14.1° LT AH  
 LENGTH = 169.1'  
 U/S INV. EL. = 635.73  
 D/S INV. EL. = 634.88  
 DROP BOX WEIR EL. = 640.50

Drainage Area =		61.0 acres (0.0391 Sq Miles)			
Existing Low Grade Elevation:		662.29	ft. @	382+41	
Proposed Low Grade Elevation:		662.29	ft. @	382+41	
		Existing		Proposed	
Flood	Frequency	Discharge	H.W.E. (ft)	Discharge	H.W.E. (ft)
Ten-Year	10	48.1	642.89	48.5	641.23
Design	50	118.1	644.61	118.8	641.82
Base	100	159.4	645.45	161.1	642.12
Max Calc	500	323.5	648.61	324.7	643.59
		10-Year Velocity through Existing Culvert =		10.45 fps	
		12-Year Velocity through Proposed Culvert =		8.04 fps	



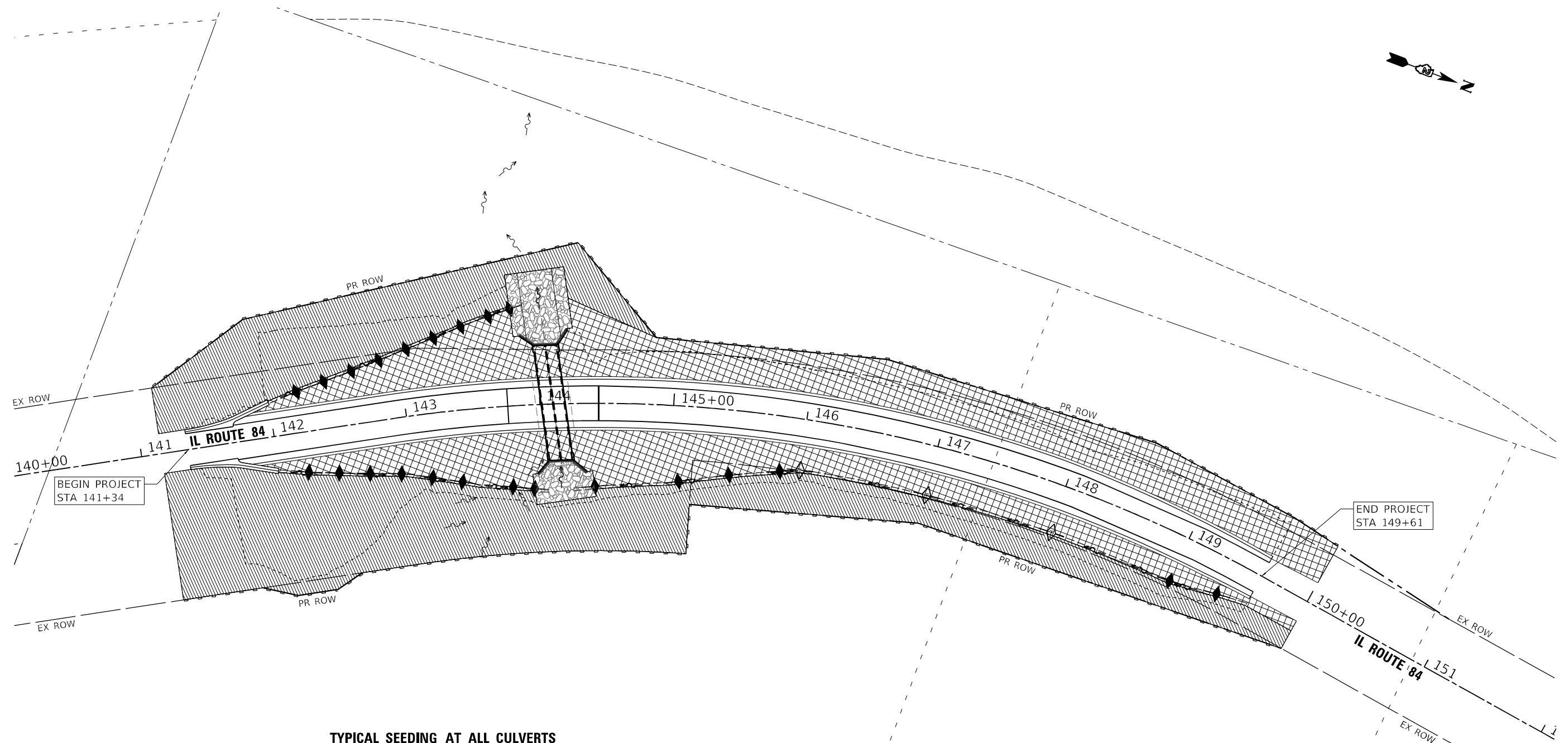
USER NAME = jharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-PinPrf_Nor th2.dgn

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

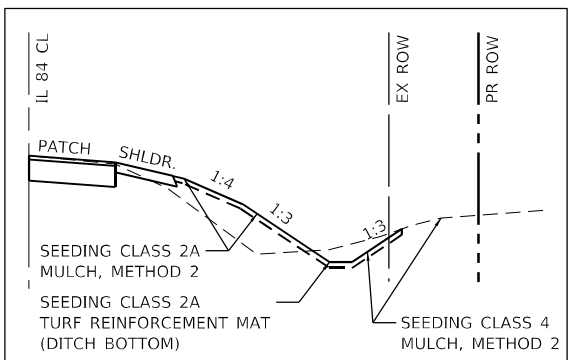
**PROFILE**  
**IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**  
 SCALE: H:1"=50'; V:1"=5' SHEET 2 OF 2 SHEETS STA. 374+00 TO STA. 389+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	20
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT	

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE - \\baxw001\cadd\projects\Crystal Lake\DOT180044\2\ Ph. 1\11 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-South.dgn  
 ...\\baxw001\cadd\projects\Crystal Lake\DOT180044\2\ Ph. 1\11 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-South.dgn  
 ...\\baxw001\cadd\projects\Crystal Lake\DOT180044\2\ Ph. 1\11 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-South.dgn



**TYPICAL SEEDING AT ALL CULVERTS**



**LEGEND**

- PERIMETER EROSION CONTROL BARRIER
- AGGREGATE DITCH CHECK
- TEMPORARY DITCH CHECK
- SEEDING, CLASS 2A
- SEEDING, CLASS 4



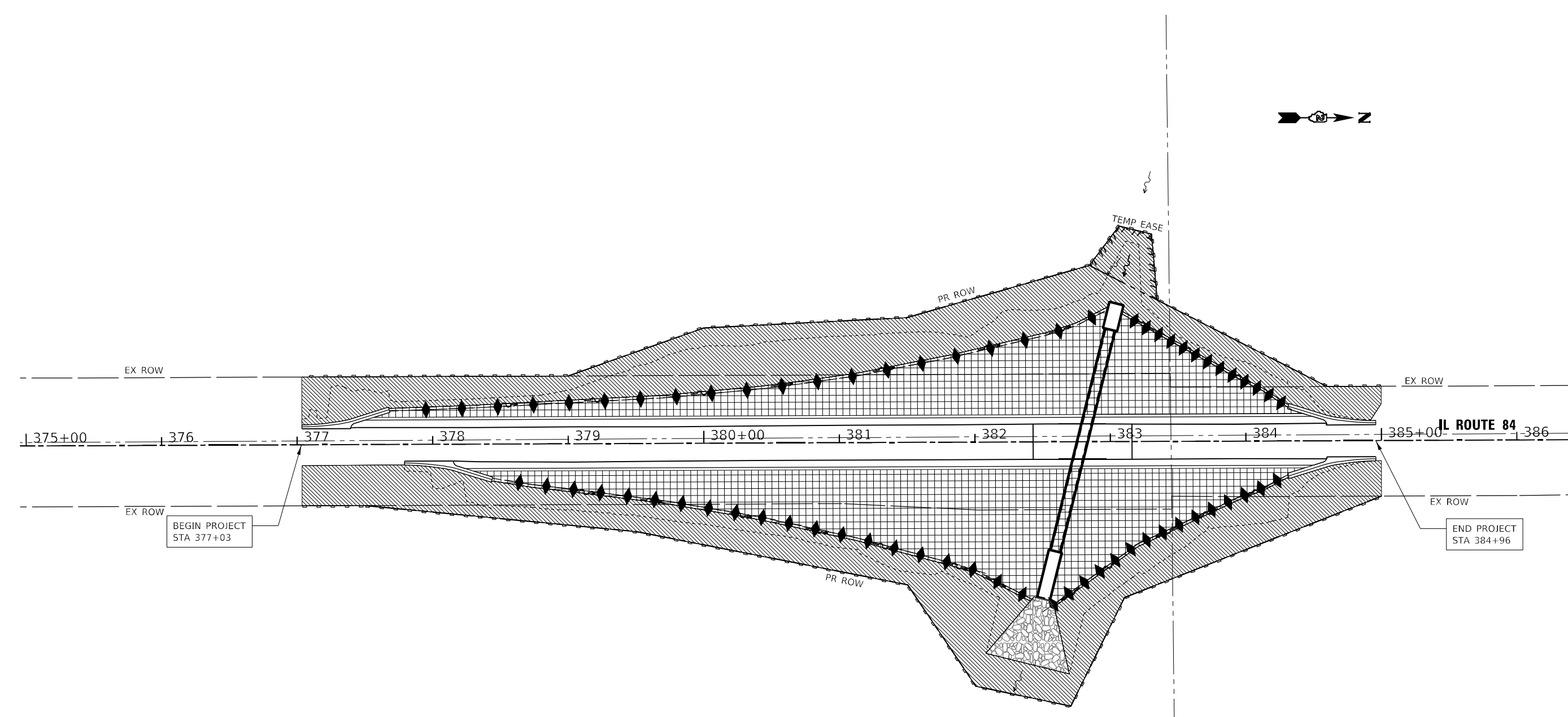
USER NAME = jharris	DESIGNED JSH	REVISED -
PLOT SCALE = 80,0000' +/-	DRAWN KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-Indscp-South.dgn

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

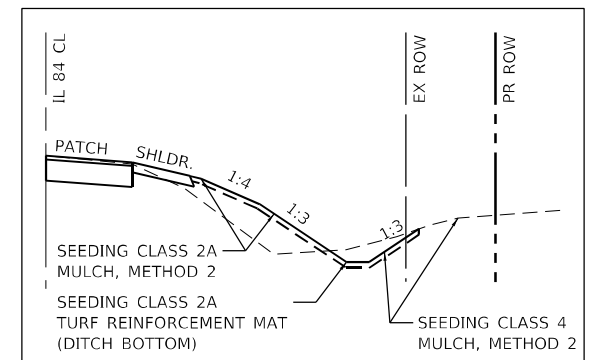
**EROSION CONTROL AND SEEDING PLAN**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**  
 SCALE: 1"=40'    SHEET 1 OF 2 SHEETS    STA. 140+00 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	21
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT\180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-North.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT\180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-North.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT\180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Indscp-North.dgn



**TYPICAL SEEDING AT ALL CULVERTS**



**LEGEND**

- PERIMETER EROSION CONTROL BARRIER
- AGGREGATE DITCH CHECK
- TEMPORARY DITCH CHECK
- SEEDING, CLASS 2A
- SEEDING, CLASS 4



USER NAME = jharris	DESIGNED JSH	REVISED -
PLOT SCALE = 80,0000 */ in.	DRAWN KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-Indscp-North.dgn

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

**EROSION CONTROL AND SEEDING PLAN**  
**IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**  
 SCALE: 1"=40'    SHEET 2 OF 2 SHEETS    STA. 375+00 TO STA. 386+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	22
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	

**TRAFFIC CONTROL GENERAL NOTES**

1. THE CONTRACTOR SHALL COORDINATE ALL DETOURS AND ROADWAY CLOSURES WITH THE LOCAL EMERGENCY SERVICES.
2. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS FOR BARRICADE LOCATIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH APPROVAL FROM THE ENGINEER.
3. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS. CHANNELIZING DEVICES SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701901.
4. NO ELECTRICAL CONNECTION IS AVAILABLE FOR THE TEMPORARY SIGNALS; THEREFORE, SOLAR POWERED TEMPORARY SIGNALS SHALL BE USED BY THE CONTRACTOR.
5. ALL SIGNAGE CONFLICTING WITH THE DETOUR AND ITS SIGNAGE SHALL BE COVERED BY THE CONTRACTOR PRIOR TO THE DETOUR AND UNCOVERED ONCE THE DETOUR IS REMOVED UNDER THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL) PAY ITEM.

**TRAFFIC CONTROL PLAN NARRATIVE**

THE IMPROVEMENTS CONSIST OF REHABILITATION OF THE STRUCTURES ON IL ROUTE 84 THAT CROSS TWO UNNAMED TRIBUTARIES TO APPLE RIVER. THE PROPOSED SOUTHERN CULVERT STRUCTURE # 043-1117 CROSSES AN UNNAMED APPLE RIVER TRIBUTARY 0.93 MILE NORTHWEST OF WHITTON ROAD. THE PROPOSED NORTHERN CULVERT STRUCTURE # 043-1118 CROSSES AN UNNAMED APPLE RIVER TRIBUTARY 1.0 MILE NORTH OF BLACKJACK ROAD.

THIS REHABILITATION PROJECT WILL REQUIRED STAGED CONSTRUCTION OF IL ROUTE 84 AT THE PROPOSED STRUCTURE #043-1117 AND A FULL CLOSURE OF IL ROUTE 84 AT THE PROPOSED STRUCTURE # 043-1118 WITH A MARKED DETOUR ROUTE FOR THE DURATION OF THE CLOSURE. IT IS VERY IMPORTANT TO ESTABLISH AND MAINTAIN A HEIGHTENED LEVEL OF PUBLIC OUTREACH AND AWARENESS LEADING UP TO AND DURING CONSTRUCTION OPERATIONS. THIS INCLUDES CLOSE COORDINATION WITH THE LOCAL BUSINESSES, RESIDENTS, AND EMERGENCY SERVICES.

TRAFFIC CONTROL SHALL BE ACCORDING TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS, THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", ANY SPECIAL DETAILS, AND HIGHWAY STANDARDS CONTAINED IN THE PLANS AND THE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL CONSTRUCT EACH CULVERT SEPARATELY. THE CONTRACTOR SHALL PERFORM THEIR WORK ON THE SOUTHERN CULVERT (SN 043-1117) FIRST IN THE 2023 CONSTRUCTION SEASON. THE CONTRACTOR SHALL NOT SET UP THE DETOUR OR BEGIN THEIR WORK ON THE NORTHERN CULVERT (SN 043-1118) UNTIL COMPLETION OF THE SOUTHERN CULVERT (SN 043-1117). THE CONTRACTOR MAY STORE EXCAVATION FROM THE SOUTHERN CULVERT (SN 043-1117) AT THE NORTHERN CULVERT SITE (SN 043-1118) BUT MUST MAINTAIN EXISTING DRAINAGE PATTERNS AND CONSTRUCT EROSION CONTROL PRIOR TO PLACEMENT.

**CLOSURE AND DETOUR FOR PROPOSED STRUCTURE # 043-1118**

**PRE-CLOSURE**

THE CLOSING OF THE NORTHERN CULVERT STRUCTURE ON IL ROUTE 84 OVER AN UNNAMED TRIBUTARY OF APPLE RIVER SHALL BE COMPLETED AS SHOWN IN THE CONTRACT PLANS, IDOT HIGHWAY STANDARD 701901, AND DISTRICT 2 STANDARD 40.1 TRAFFIC CONTROL FOR ROAD CLOSURE. DETOUR ROUTE SIGNING SHALL BE IN PLACE PRIOR TO CLOSING OF IL ROUTE 84. ANY EXISTING SIGN CONFLICTING WITH THE PROPOSED DETOUR IS TO BE COVERED, INCLUDING BUT NOT LIMITED TO DESTINATION LENGTH AND DIRECTIONAL SIGNS.

ANY ADVANCE WORK TO BE PERFORMED ON IL ROUTE 84 PRIOR TO THE ROAD CLOSURE SHALL UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARDS 701001, 701006, 701011, 701301, AND 701311 AS NEEDED.

**IL ROUTE 84 CLOSURE**

THE CONSTRUCTION WORK ON THE NORTHERN CULVERT STRUCTURE SHALL BE PERFORMED AS SHOWN IN THE CONTRACT PLANS AND SHALL UTILIZE DETOUR ROUTE SHOWN IN THE PLANS.

**POST-CLOSURE**

ALL REMAINING WORK TO BE PERFORMED ON IL ROUTE 84 OUTSIDE THE ROAD CLOSURE SHALL UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARDS 701001, 701006, 701011, 701301, AND 701311 AS NEEDED.

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris\_defult  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-notes.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-notes.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-notes.dgn

	USER NAME = jharris	DESIGNED AKS JSH	REVISED -
		DRAWN MJO KAR	REVISED -
	PLOT SCALE = 20,0000 * / in.	CHECKED JSH DTH	REVISED -
	PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-notes.dgn

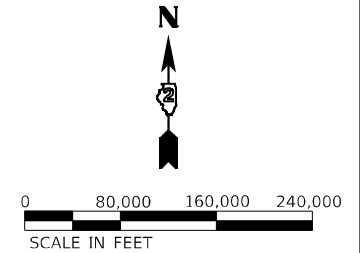
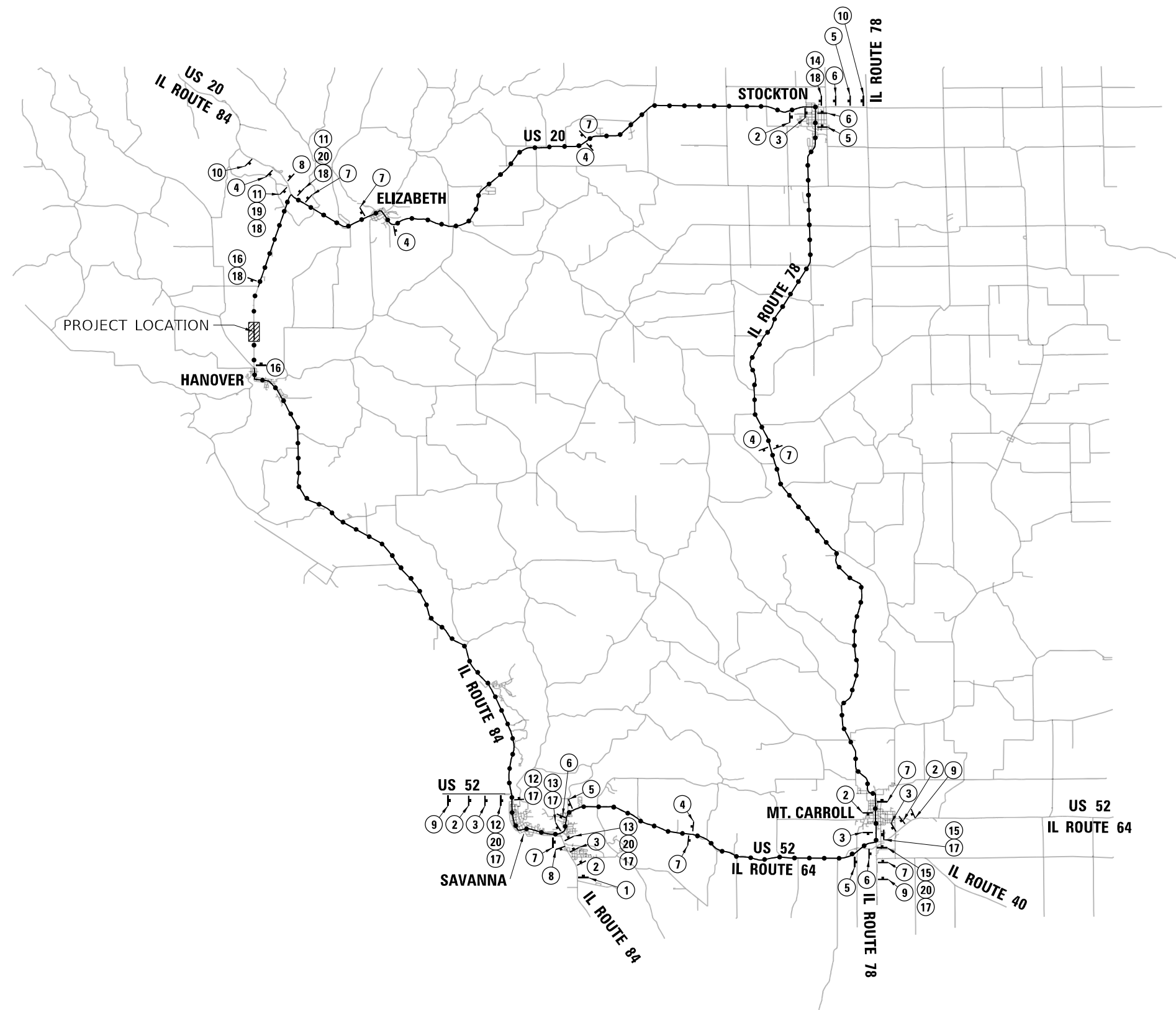
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – TRAFFIC CONTROL NOTES**  
**IL ROUTE 84 CULVERTS (SN 043-1117 & SN 043-1118)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	23
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-0011211 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE NAME: \\g:\p\ba\wood\com\Project\Crystal Lake\DOT\180044\4\2\ Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour.dgn  
 ...\\p\ba\wood\com\Project\Crystal Lake\DOT\180044\4\2\ Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour.dgn  
 ...\\p\ba\wood\com\Project\Crystal Lake\DOT\180044\4\2\ Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour.dgn



**TRAFFIC CONTROL NOTES**

1. ALL SIGNAGE CONFLICTING WITH THE DETOUR AND ITS SIGNAGE SHALL BE COVERED BY THE CONTRACTOR PRIOR TO THE DETOUR AND UNCOVERED ONCE THE DETOUR IS REMOVED UNDER THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL) PAY ITEM.

**LEGEND**

- DETOUR ROUTE
- ▨ WORK ZONE



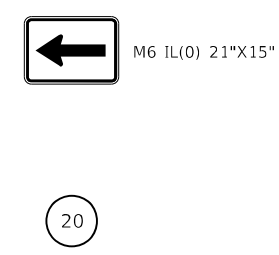
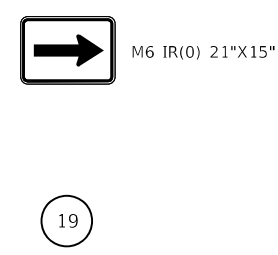
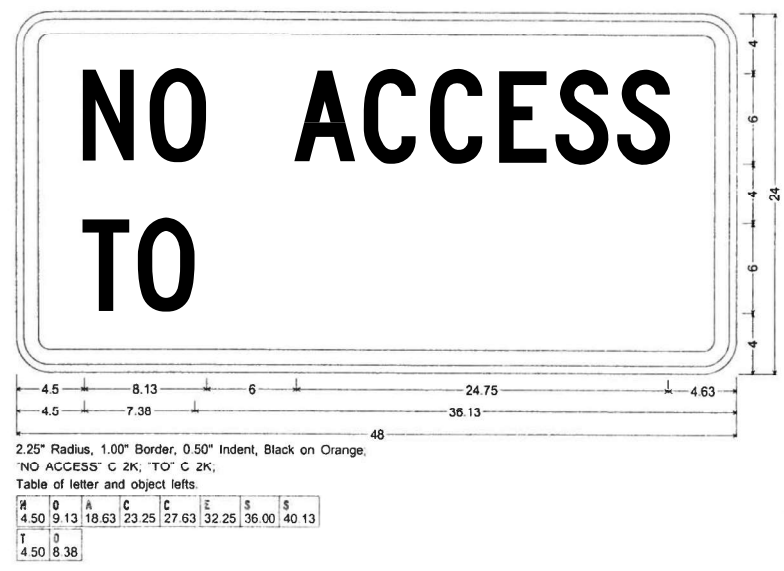
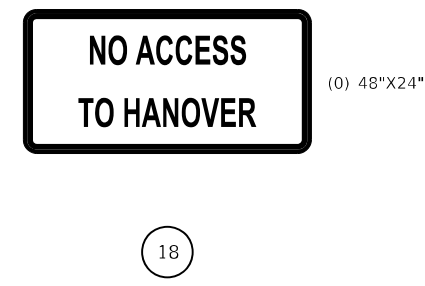
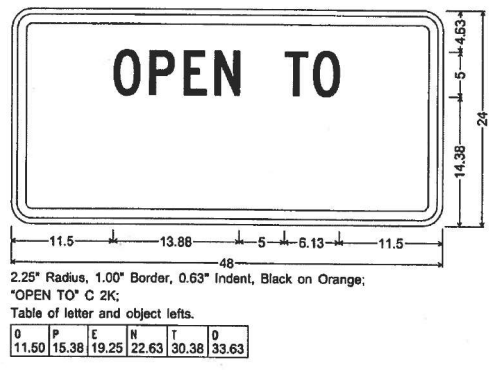
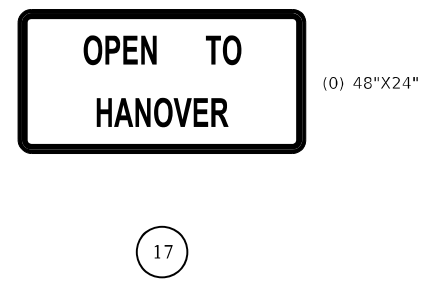
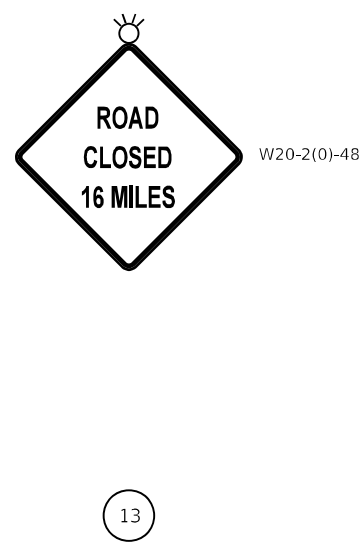
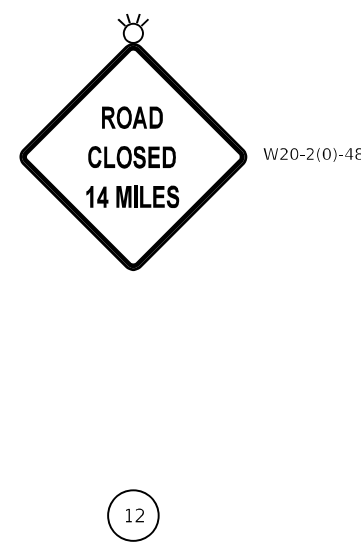
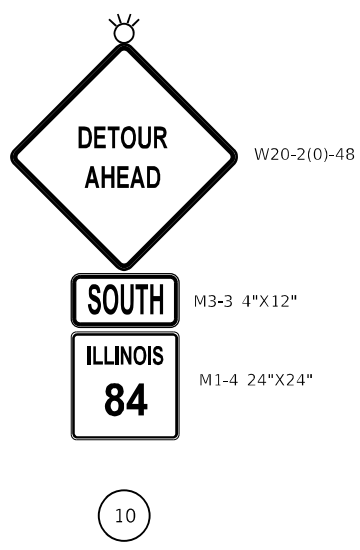
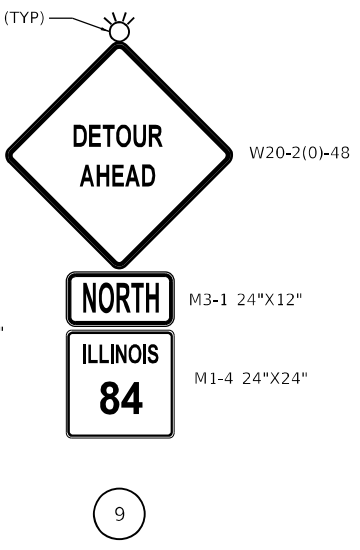
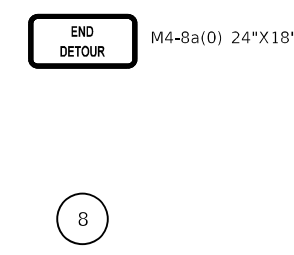
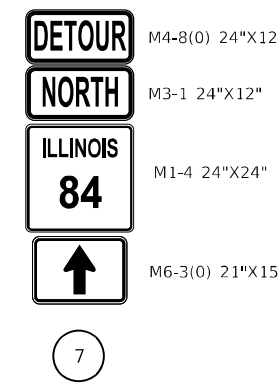
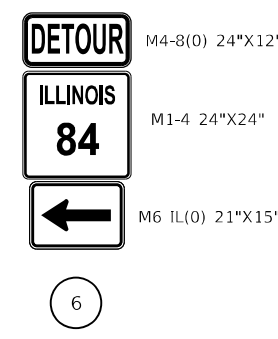
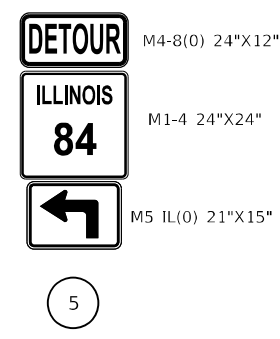
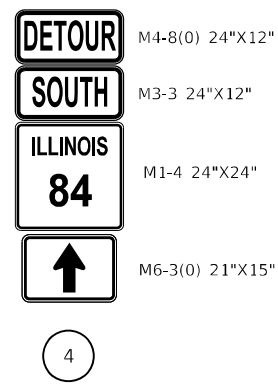
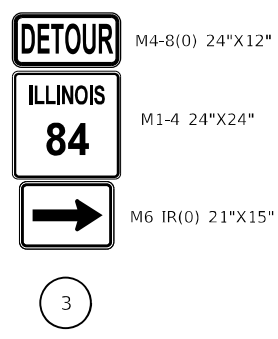
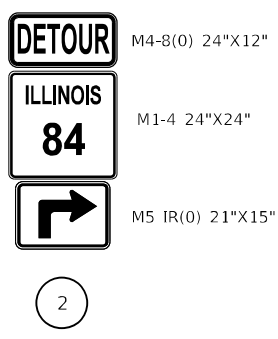
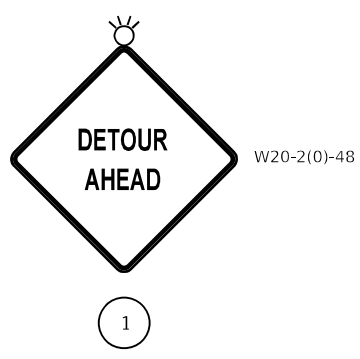
USER NAME = jharris	DESIGNED JS06H	REVISED -
DRAWN JSNAR	REVISED -	
PLOT SCALE = 160000,0000' / in.	CHECKED RW0TH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-detour.dgn

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

**MAINTENANCE OF TRAFFIC - DETOUR ROUTE**  
**IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**  
 SCALE: 1" = 80,000' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	24
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: G:\p2\ba\wood\com\Project\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour-signs.dgn  
 ...:\p2\ba\wood\com\Project\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour-signs.dgn  
 ...:\p2\ba\wood\com\Project\Crystal Lake\DOT180044\2\ Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-detour-signs.dgn



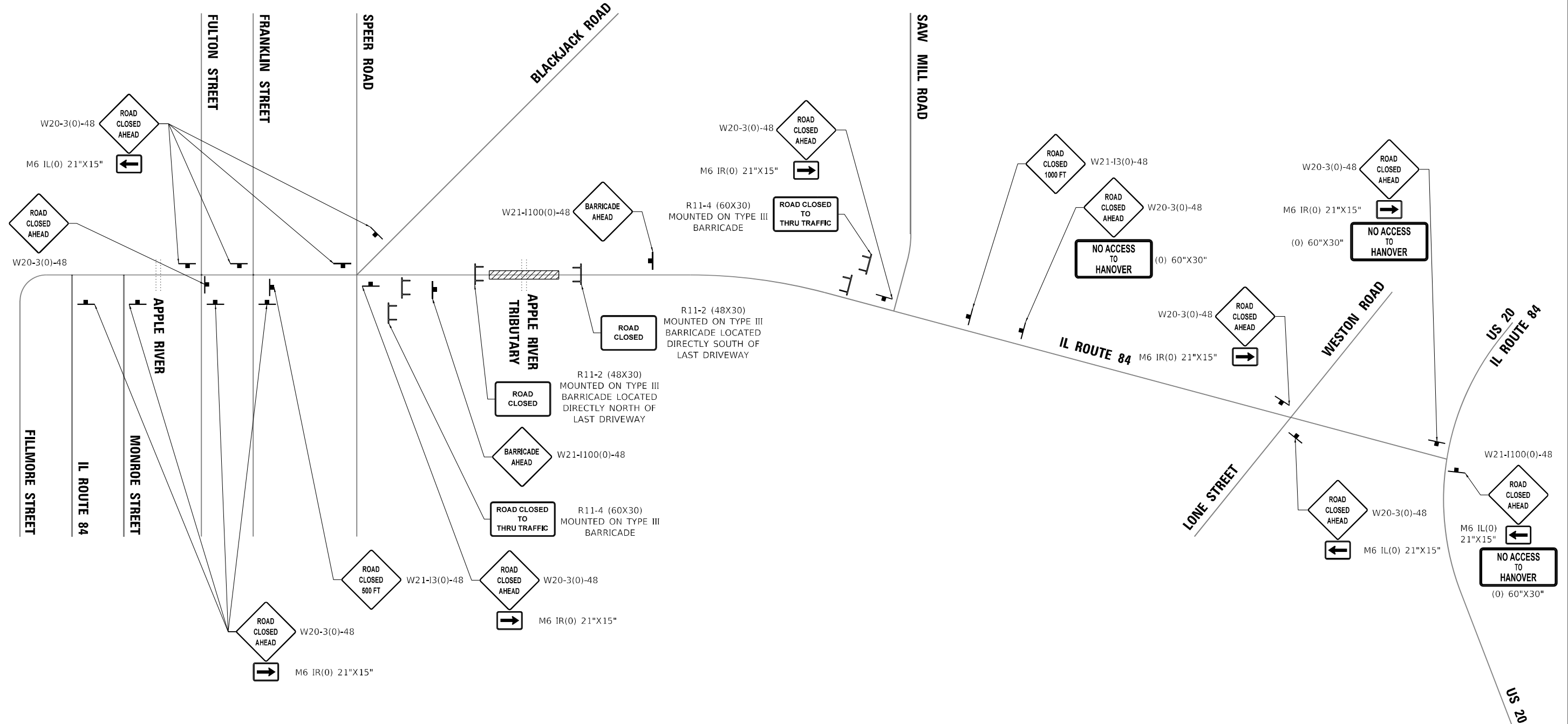
	USER NAME = jharris	DESIGNED JSBH	REVISED -
	PLOT SCALE = 40,0000 * / in.	DRAWN JSNAR	REVISED -
	PLOT DATE = 3-17-2022	CHECKED RWOTH	REVISED -
		DATE - 3-17-2022	FILE - D200915-sht-staging-detour-signs.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - DETOUR ROUTE SIGNS  
IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	25
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				



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



**TRAFFIC CONTROL NOTES**

1. WARNING SIGNS SHALL HAVE MINIMUM DIMENSIONS OF 48" X 48" AND HAVE A BLACK LENEND ON ORANGE REFLECTORIZED BACKGROUND.
2. ALL WORK ZONE TRAFFIC CONTROL DEVICES SHALL MEET REQUIREMENTS OF ARTICLE 1106 OF THE STANDARD SPECIFICATIONS.
3. TWO TYPE A LOW INTENSITY FLASING LIGHTS SHALL BE USED ON EACH APPROACH IN ADVANCE OF THE WORK AREA. ONE LIGHT SHALL BE INSTALLED ABOVE EACH BARRICADE. IF ONLY ONE BARRICADE IS REQUIRED, THE OTHER LIGHT SHALL BE INSTALLED ABOVE THE FIRST ADVANCE WARNING SIGN.
5. SEE HIGHWAY STANDARD 701901 AND D2 STANDARD 40.1 FOR ADDITIONAL DETAILS.
6. SEE HIGHWAY STANDARDS 701001, 701006, 701011, 701301, AND 701311 FOR ANY WORK TO BE PERFORMED OUTSIDE OF THE CLOSURE DURATION.

**LEGEND**

-  WORK ZONE
-  TYPE III BARRICADE
-  SIGN

COPY/RIGHT © 2022, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2 - Culverts\CAD\Culverts\detour-closure.dgn  
 ...:\p2p\dot180044\2 - Culverts\CAD\Culverts\detour-closure.dgn  
 ...:\p2p\dot180044\2 - Culverts\CAD\Culverts\detour-closure.dgn



USER NAME = jharris	DESIGNED JS06H	REVISED -
	DRAWN JSNAR	REVISED -
PLOT SCALE = 1000,0000' / in.	CHECKED RW0TH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-detour-closure.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - DETOUR ROUTE CLOSURE  
IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**

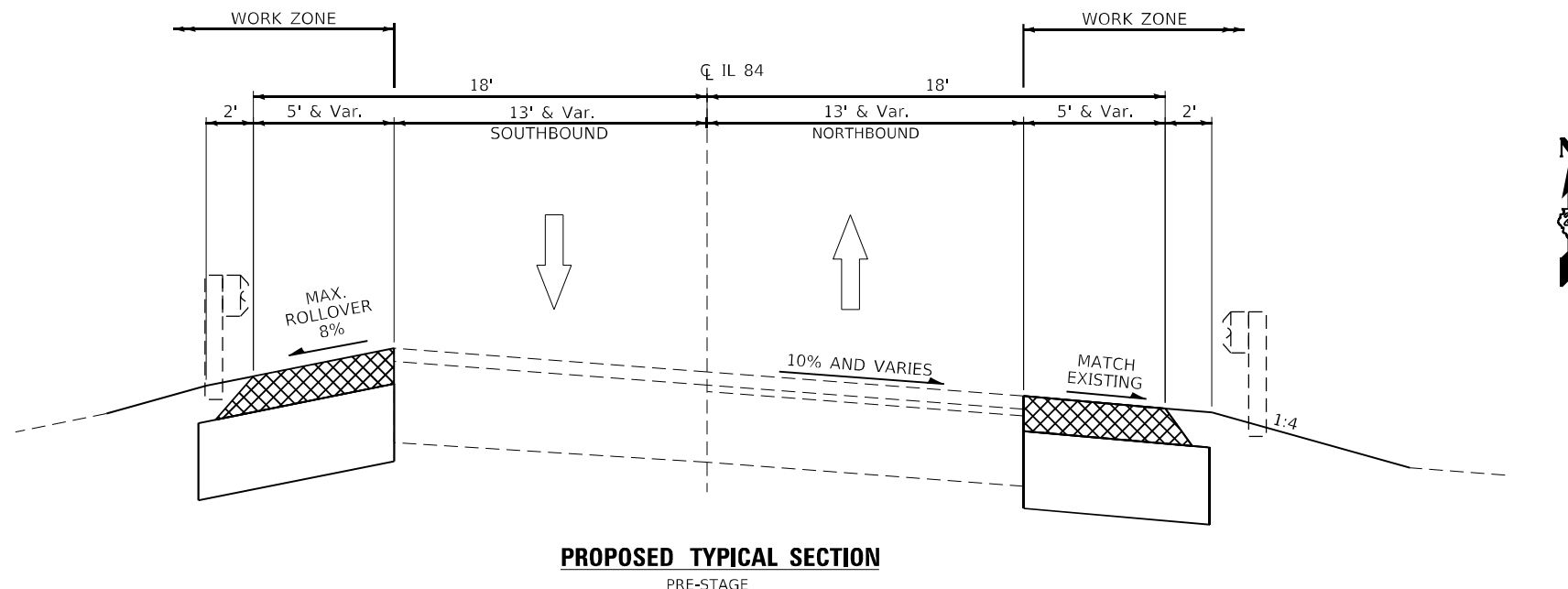
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 26
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN#P35(192)	



**PRE-STAGE SUMMARY OF WORK:**

- IMPLEMENT IDOT HIGHWAY STANDARD 701326.
- REMOVE EXISTING SHOULDER AND CURB WITHIN PROJECT LIMITS ON THE EAST SIDE FROM STA. 141+34.90 TO 149+61.12, AND ON THE WEST SIDE FROM STA. 141+34.90 TO 143+76.00 AND STA. 144+44.00 TO 149+61.12.
- CONSTRUCT PROPOSED CURB AND GUTTER OUTLETS ON THE EAST AND WEST SIDES.
- CONSTRUCT PROPOSED STABILIZED SHOULDERS ON THE EAST SIDE FROM STA. 141+34.90 TO 149+61.12, AND ON THE WEST SIDE FROM STA. 141+34.90 TO 143+76.00 AND STA. 144+44.00 TO 149+61.12.

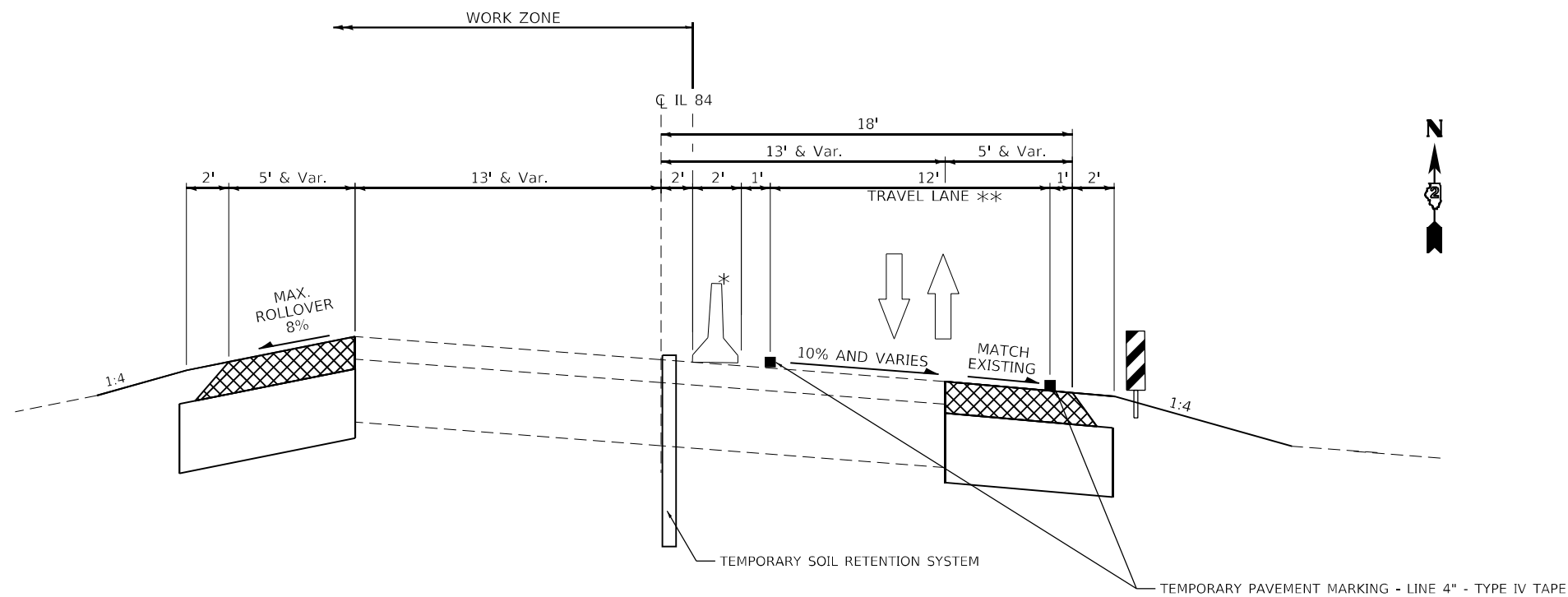


**PROPOSED TYPICAL SECTION**

PRE-STAGE

**STAGE 1 SUMMARY OF WORK:**

- IMPLEMENT IDOT HIGHWAY STANDARD 701321.
- INSTALL TEMPORARY SOIL RETENTION SYSTEM.
- REMOVE EXISTING AGGREGATE SHOULDER AND CURB ALONG WEST SIDE FROM STA. 143+76.00 TO 144+44.00.
- REMOVE WEST SIDE OF CULVERT AND MAINTAIN DRAINAGE.
- CONSTRUCT WEST SIDE OF PROPOSED CULVERT.
- CONSTRUCT PROPOSED PAVEMENT PATCH ON WEST SIDE FROM STA. 143+76.00 TO 144+44.00.
- CONSTRUCT PROPOSED STABILIZED SHOULDERS ON THE WEST SIDE FROM STA. 143+76.00 TO 144+44.00.



**PROPOSED TYPICAL SECTION**

STAGE 1

- \* PINNING REQUIRED
- \*\* UTILIZE TEMPORARY TRAFFIC SIGNALS

**LEGEND**

CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris - default  
 FILE - \\baxw001\projects\crystal\lake\DOT180044\2\ Ph 141 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-typical.dgn  
 ...\\pltdrv\p\h\NOLAYERS\sw.pltctg  
 ...\\CAD\plott\180044\_Pen.tbl  
 \\corp.baxwood.com\projects\crystal\lake\DOT180044\Var Ph 141 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-typical.dgn



USER NAME = jharris	DESIGNED AKS JSH	REVISED -
PLOT SCALE = 20,0000 */ in.	DRAWN MJO KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED JSH DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-staging-typical.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

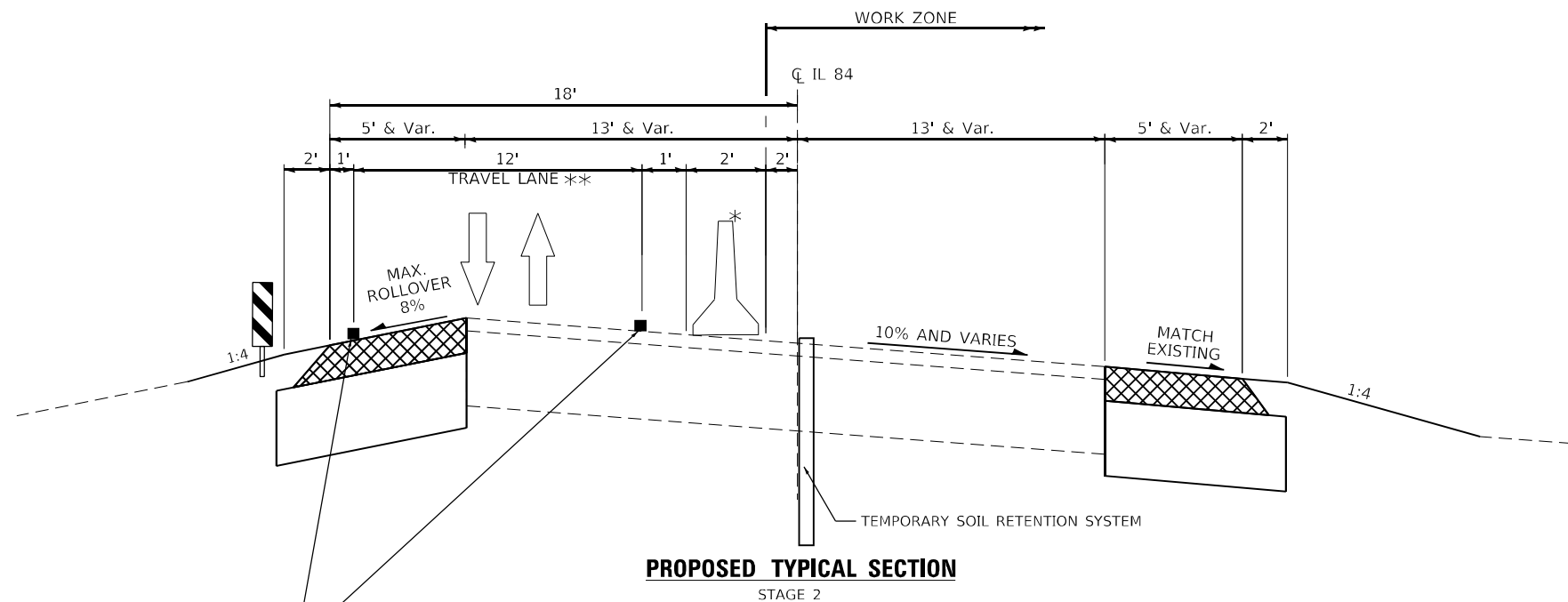
**MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS  
IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	27
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPNHPP A35(192)				

**STAGE 2 SUMMARY OF WORK:**

- IMPLEMENT IDOT HIGHWAY STANDARD 701321.
- REMOVE EAST HALF OF EXISTING CULVERT AND MAINTAIN DRAINAGE.
- CONSTRUCT EAST HALF OF PROPOSED CULVERT.
- CONSTRUCT PROPOSED PAVEMENT PATCH ON EAST SIDE FROM STA. 143+76.00 TO 144+44.00.
- RECONSTRUCT PROPOSED STABILIZED SHOULDERS ON THE EAST SIDE FROM STA. 143+76.00 TO 144+44.00.



**PROPOSED TYPICAL SECTION**

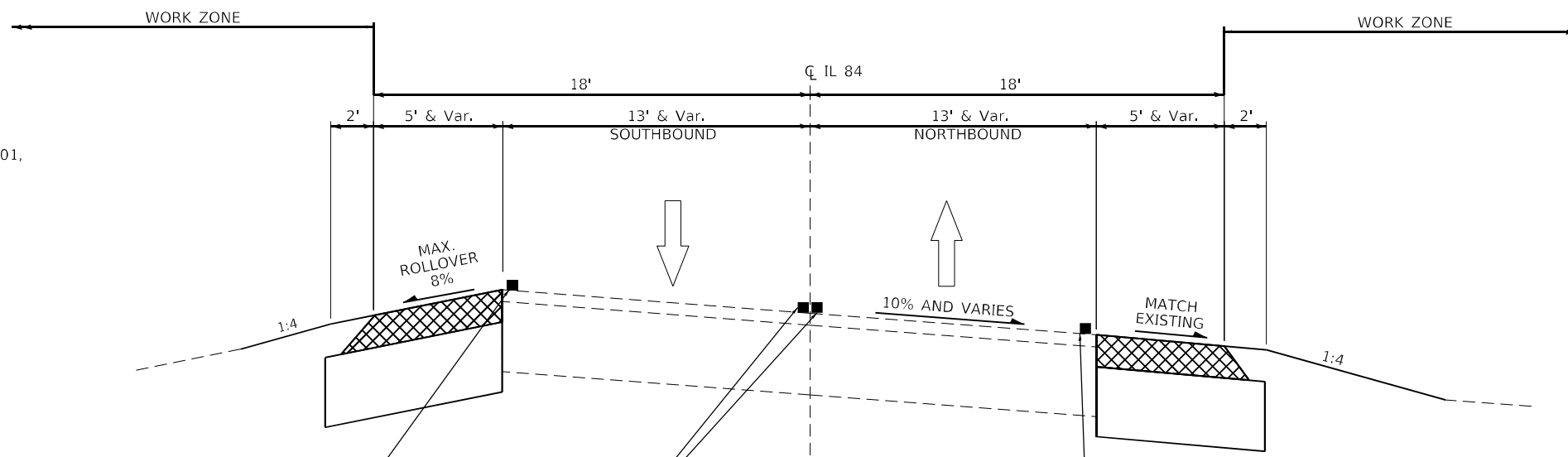
STAGE 2

- \* PINNING REQUIRED
- \*\* UTILIZE TEMPORARY TRAFFIC SIGNALS

TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

**STAGE 3 SUMMARY OF WORK:**

- IMPLEMENT IDOT HIGHWAY STANDARD 701001, 701006, AND 701011.
- REMOVE TEMPORARY SIGNALS.
- FINALIZE GRADING.



**PROPOSED TYPICAL SECTION**

STAGE 3 AND POST-STAGE

TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

**POST STAGE SUMMARY OF WORK:**

- IMPLEMENT IDOT HIGHWAY STANDARD 701101, 701106, 701311, AND 701326.
- PAVEMENT MARKINGS.
- LANDSCAPING.

**LEGEND**

 CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\2 - Ph. 141 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-typical.dgn  
 ...:\p2p\dot\p2p\NOLAYERS\sw.pltctg  
 ...:\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph. 141 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-typical.dgn



USER NAME = jharris	DESIGNED AKS JSH	REVISED -
DRAWN MJO KAR	REVISIONS -	
PLOT SCALE = 20,0000' / in.	CHECKED JSH DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-typical.dgn

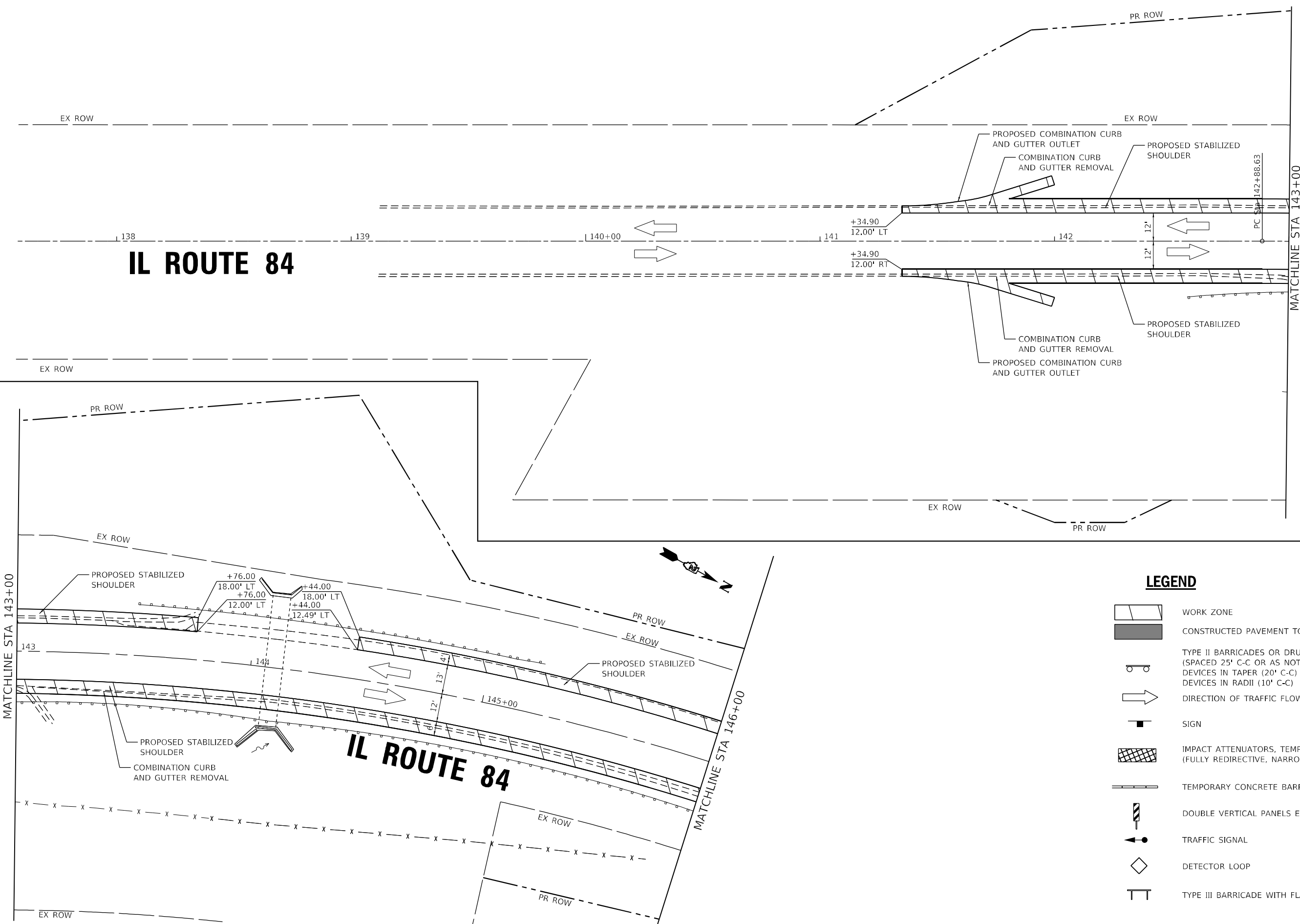
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**














F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	28
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	

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

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris, default  
 FILE - \\baxwood.com\Projects\Crystal Lake\DOT180044\2r, Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage1\_01.dgn  
 ...\\baxwood.com\Projects\Crystal Lake\DOT180044\2r, Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage1\_01.dgn  
 ...\\baxwood.com\Projects\Crystal Lake\DOT180044\2r, Ph. 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage1\_01.dgn



### LEGEND

-  WORK ZONE
-  CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
-  TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW)
-  DEVICES IN TAPER (20' C-C)
-  DEVICES IN RADII (10' C-C)
-  DIRECTION OF TRAFFIC FLOW
-  SIGN
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  DOUBLE VERTICAL PANELS EVERY 25' C-C
-  TRAFFIC SIGNAL
-  DETECTOR LOOP
-  TYPE III BARRICADE WITH FLASHING LIGHTS



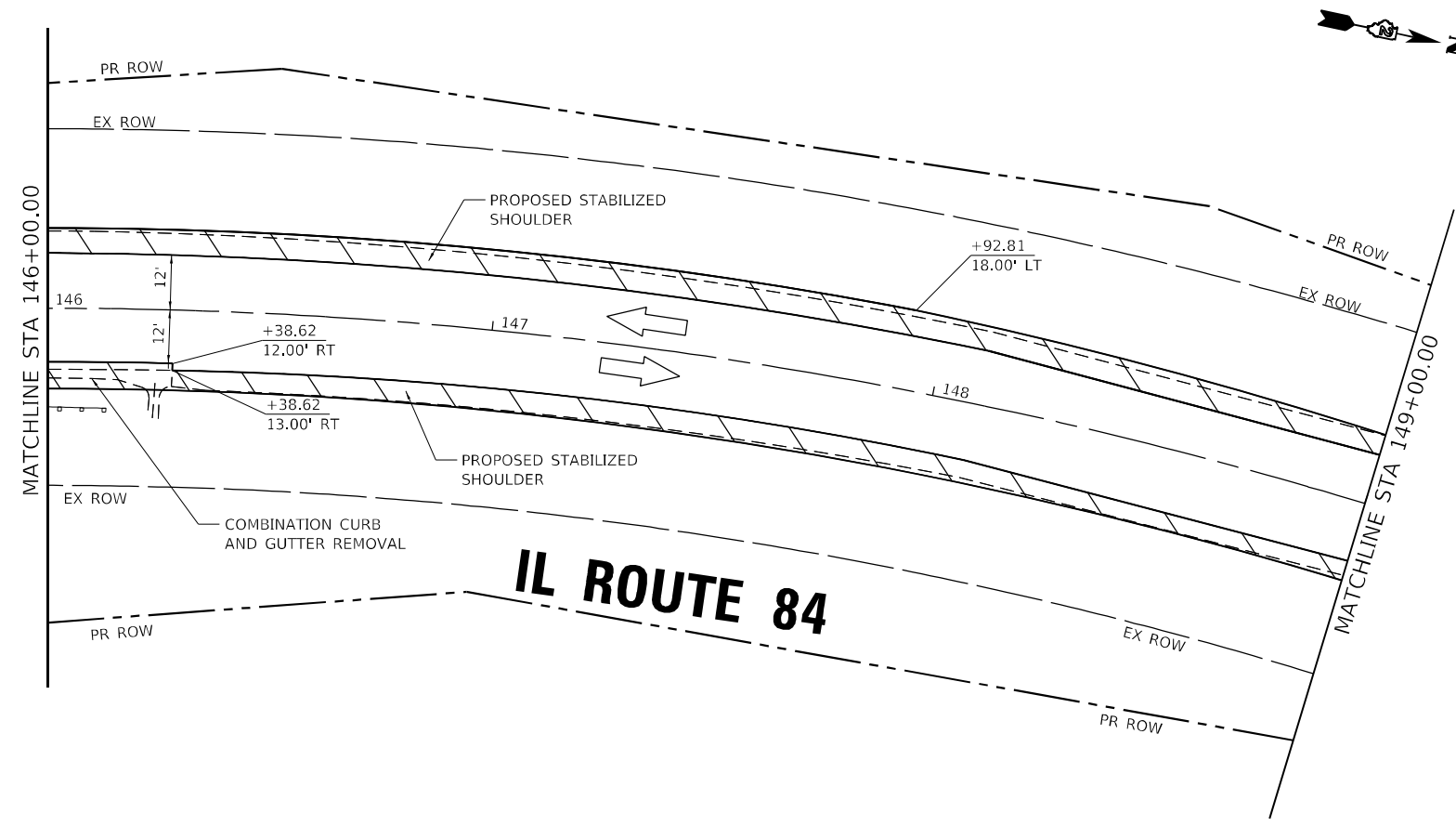
USER NAME = jharris	DESIGNED AKS JSH	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN MJO KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED JSH DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage1_01.dgn

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

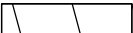










<b>STAGE CONSTRUCTION - PRE-STAGE</b>			
<b>IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)</b>			
SCALE: 1"=20'	SHEET 1	OF 8 SHEETS	STA. 140+00 TO STA. 146+00

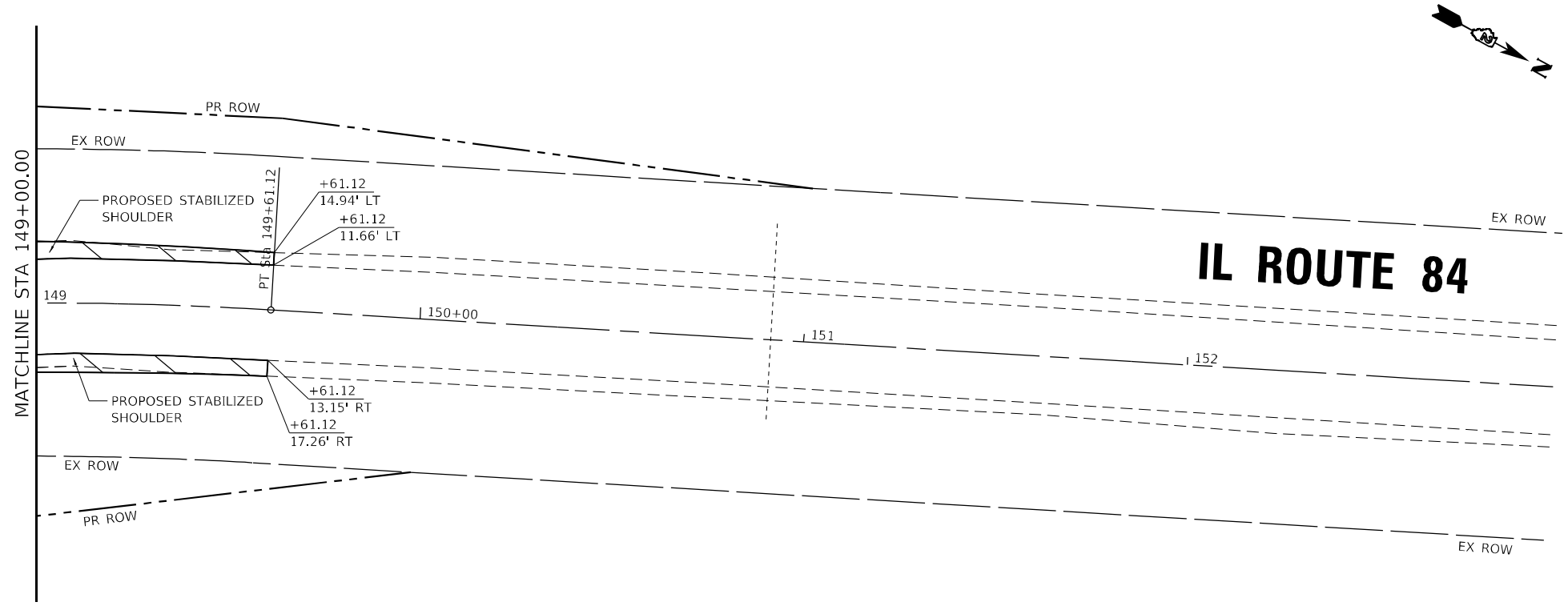
F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 29
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE - \\baxwood.com\Projects\Crystal Lake\DOT180044\2 - Ph 11 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage1\_02.dgn  
 ...:\p\cd\rv\p\NOLAYERS\sw.pltctg  
 ...:\CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph 11 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage1\_02.dgn



### LEGEND

	WORK ZONE
	CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
	TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
	
	SIGN
	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
	TEMPORARY CONCRETE BARRIER
	DOUBLE VERTICAL PANELS EVERY 25' C-C
	TRAFFIC SIGNAL
	DETECTOR LOOP
	TYPE III BARRICADE WITH FLASHING LIGHTS



<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	USER NAME = jharris	DESIGNED AKS	REVISED -
	PLOT SCALE = 40,0000 */ in.	DRAWN MJO KAR	REVISED -
	PLOT DATE = 3-17-2022	CHECKED JSH DTH	REVISED -
		DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage1_02.dgn

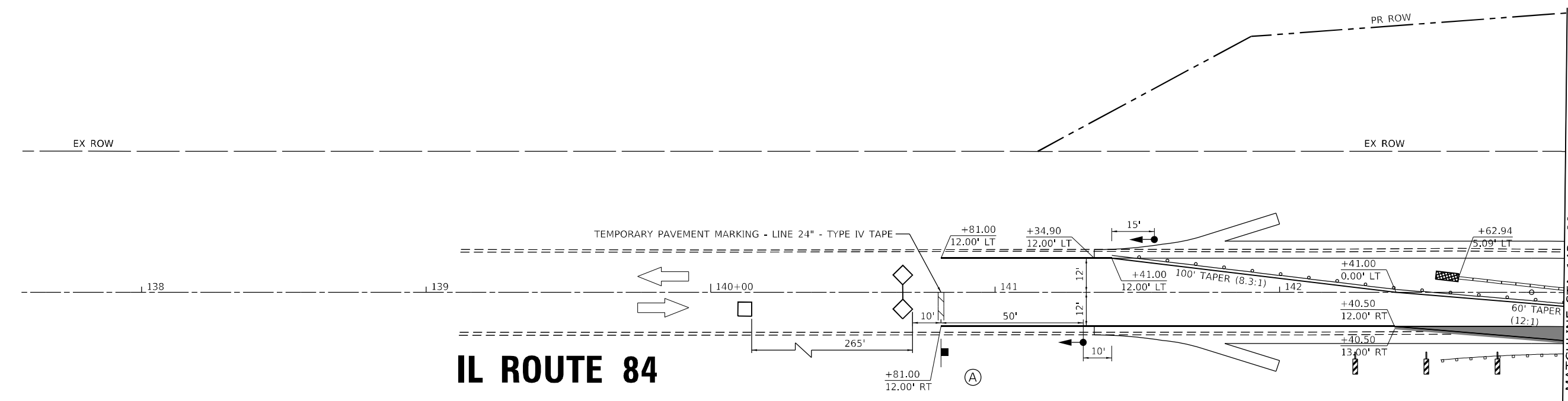
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION - PRE-STAGE**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

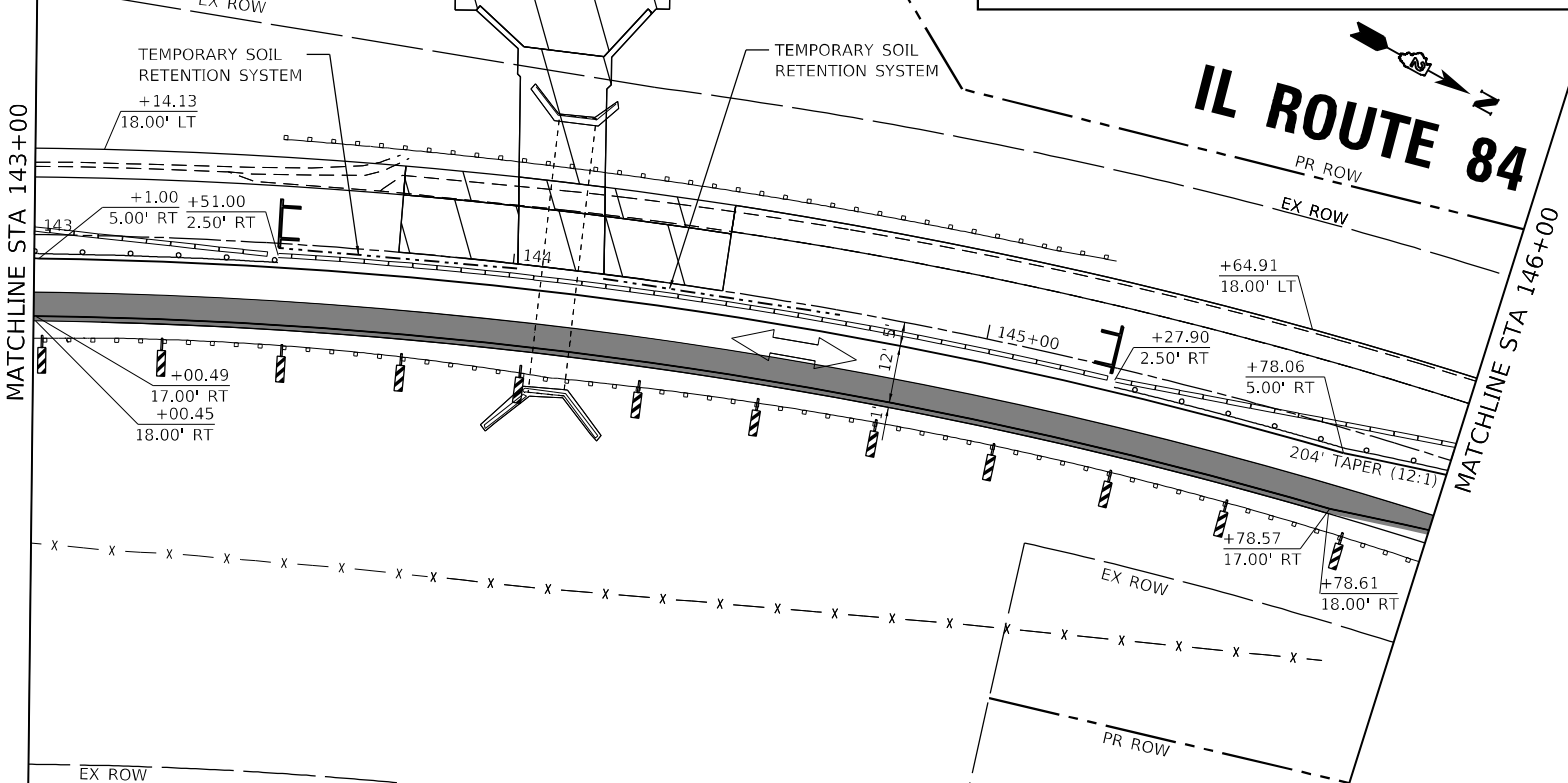
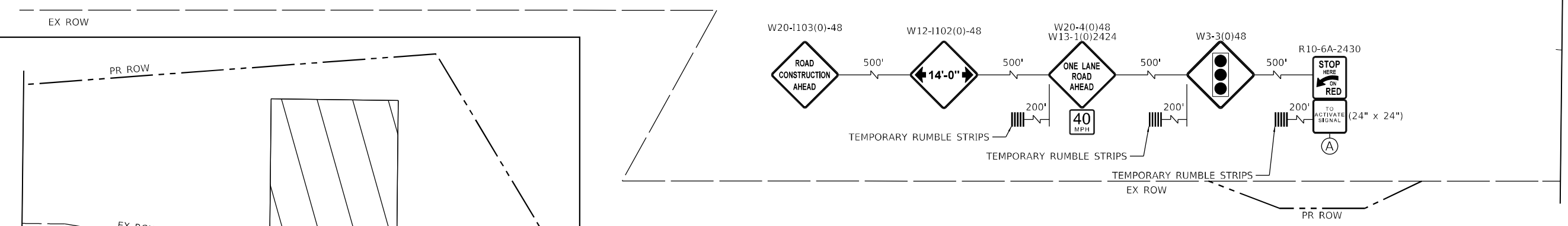
SCALE: 1"=20'    SHEET 2 OF 8 SHEETS    STA. 146+00    TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	30
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PPP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris Default  
 FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage2\_01.dgn  
 ...:\plotted\p\NOLAYERS\sw.plt;crg  
 ...:\CAD\plots\180044\_Pen.tbl  
 \\baxwood.com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage2\_01.dgn



# IL ROUTE 84



# IL ROUTE 84

## NOTES

NO ELECTRICAL CONNECTION IS AVAILABLE FOR THE TEMPORARY SIGNALS; THEREFORE, SOLAR POWERED TEMPORARY SIGNALS SHALL BE USED BY THE CONTRACTOR.

## LEGEND

- WORK ZONE
- CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
- TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW)  
DEVICES IN TAPER (20' C-C)  
DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANELS EVERY 25' C-C
- TRAFFIC SIGNAL
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS



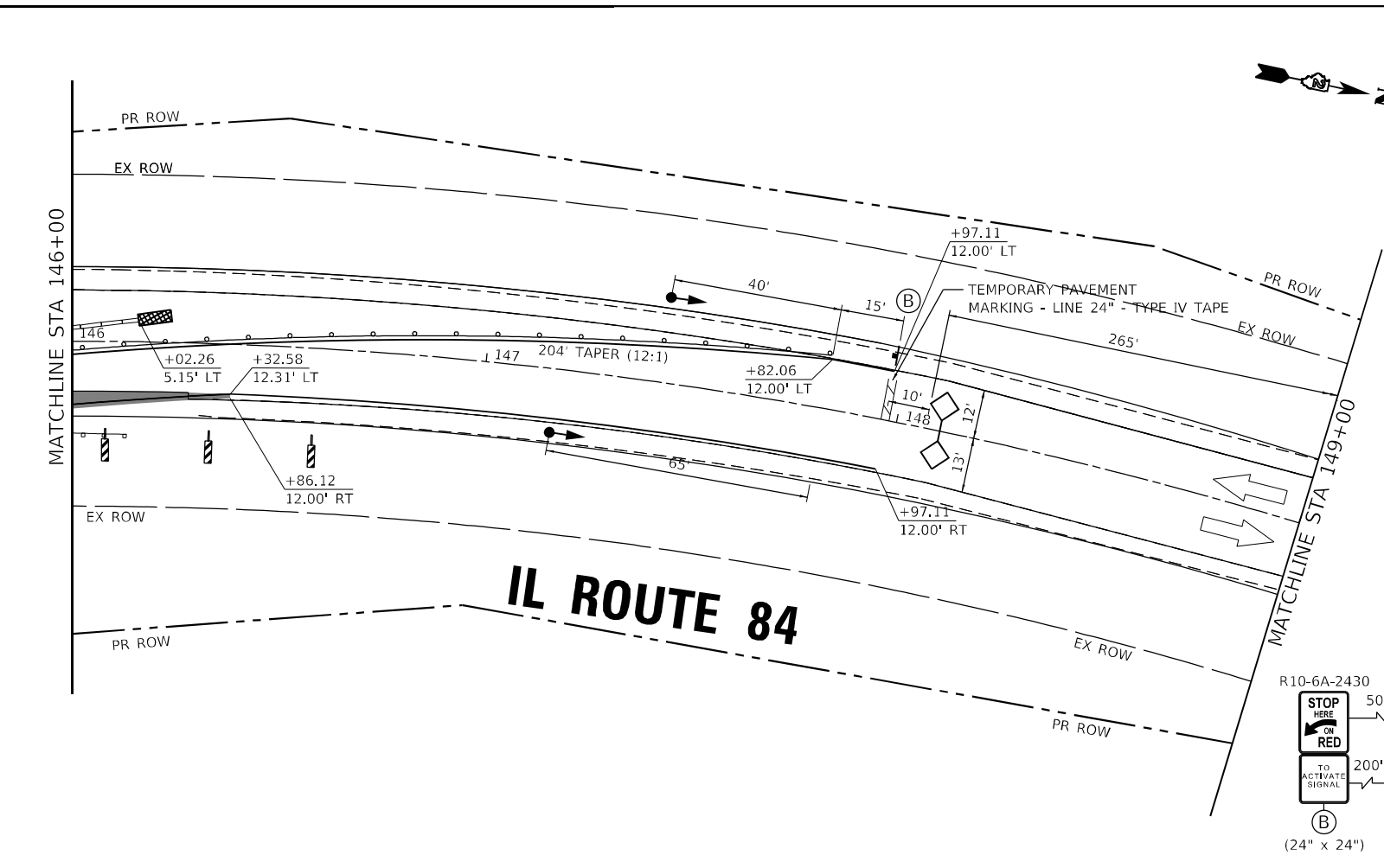
USER NAME = jharris	DESIGNED AKS JSH	REVISED -
DRAWN MJO KAR	CHECKED JSH DTH	REVISED -
PLOT SCALE = 40,0000' / in.	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage2_01.dgn
PLOT DATE = 3-17-2022		

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

<b>STAGE CONSTRUCTION - STAGE 1</b>			
<b>IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)</b>			
SCALE: 1"=20'	SHEET 3	OF 8 SHEETS	STA. 140+00 TO STA. 146+00

F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 31
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	

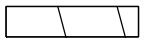




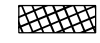





COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE - \\baxwood.com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage2\_02.dgn  
 ...\\pdr\pdr\NOLAYERS\sw.plt;crg  
 ...\\CAD\plots\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage2\_02.dgn

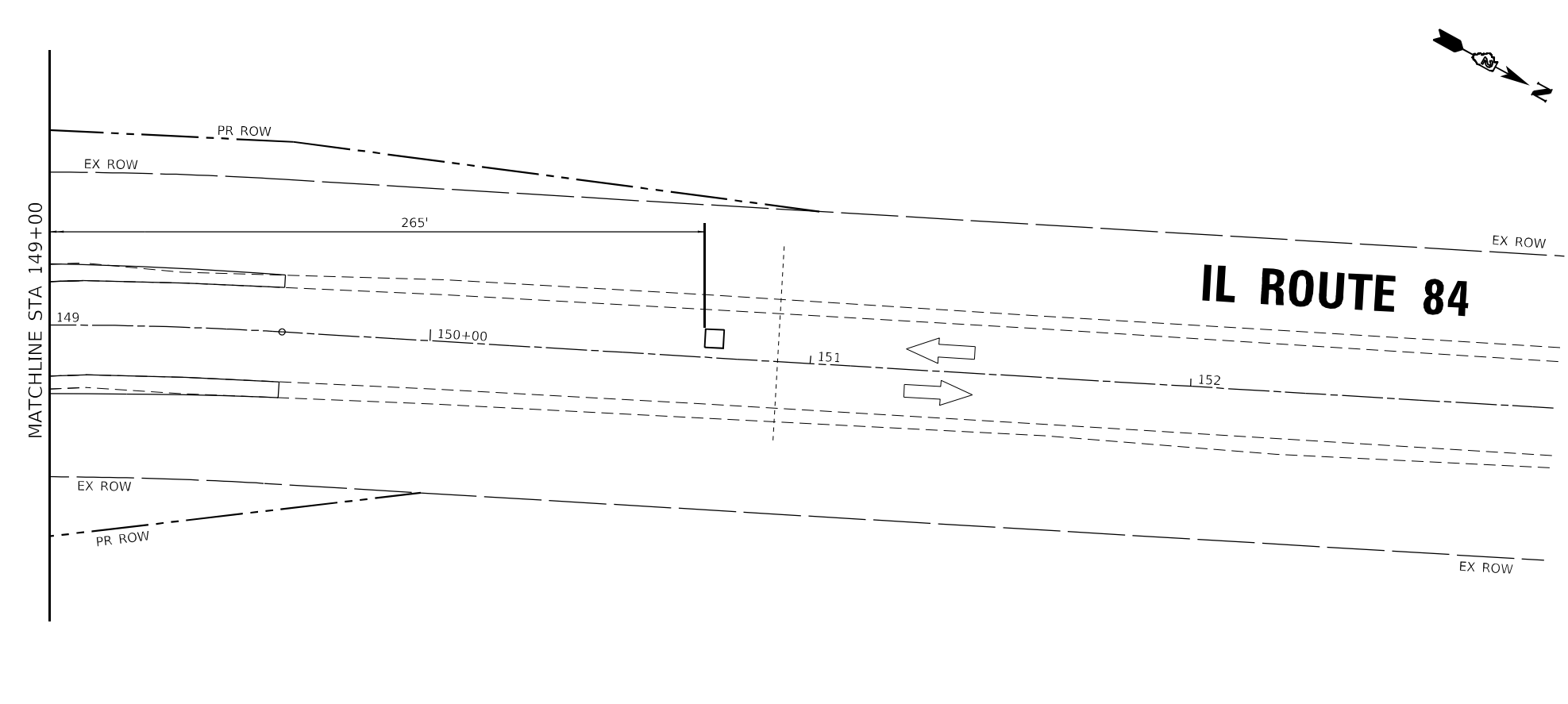
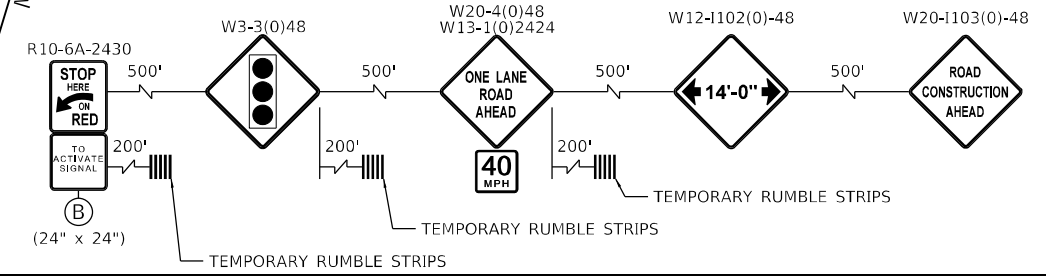


**NOTES**

NO ELECTRICAL CONNECTION IS AVAILABLE FOR THE TEMPORARY SIGNALS; THEREFORE, SOLAR POWERED TEMPORARY SIGNALS SHALL BE USED BY THE CONTRACTOR.

**LEGEND**

-  WORK ZONE
-  CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
-  TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  DIRECTION OF TRAFFIC FLOW
-  SIGN
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  DOUBLE VERTICAL PANELS EVERY 25' C-C
-  TRAFFIC SIGNAL
-  DETECTOR LOOP
-  TYPE III BARRICADE WITH FLASHING LIGHTS



USER NAME = jharris	DESIGNED AKS JSH	REVISED -
DRAWN MJO KAR	REVISIED -	
PLOT SCALE = 40,0000 * / in.	CHECKED JSH DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage2_02.dgn

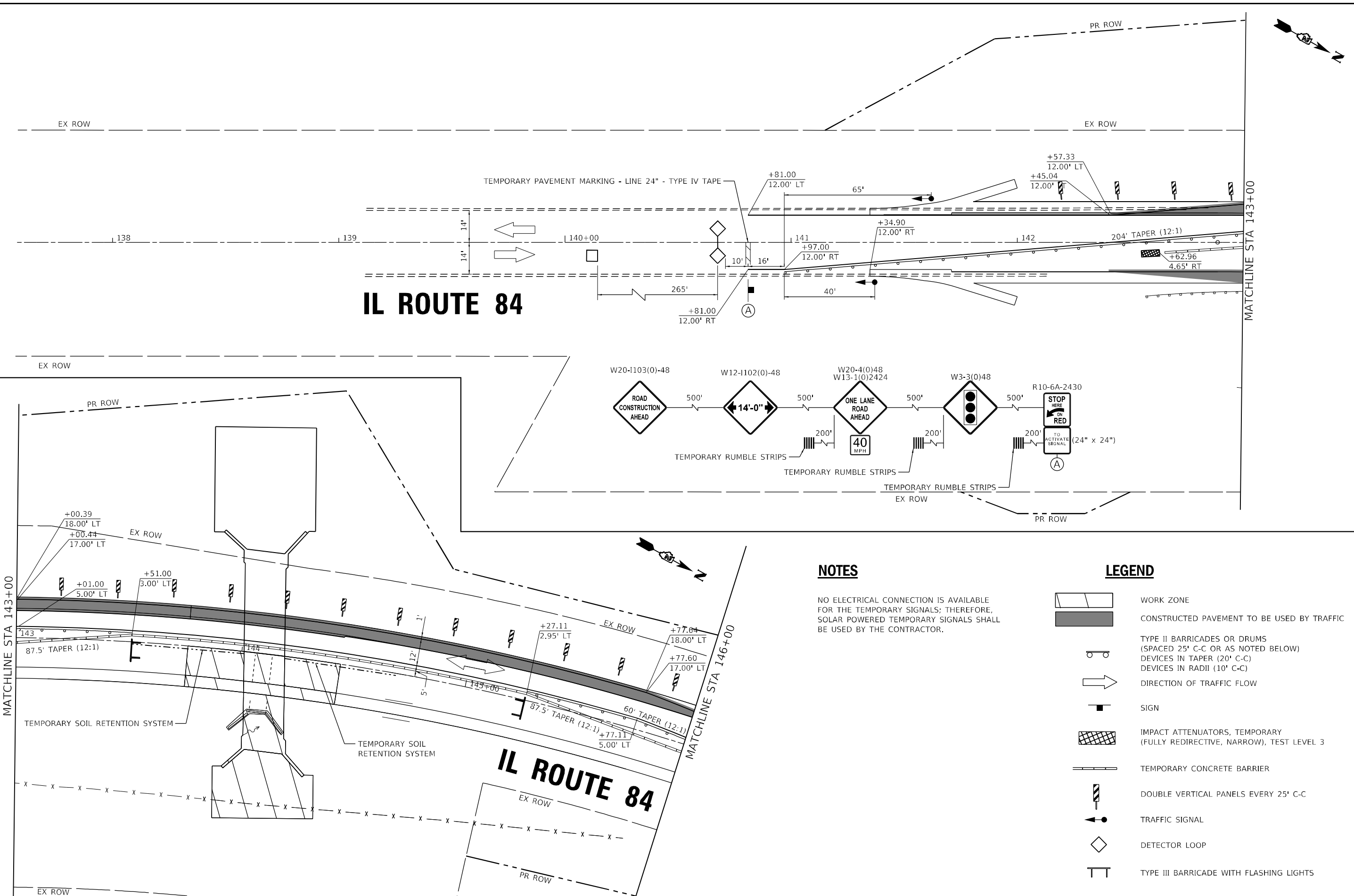
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION - STAGE 1  
IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

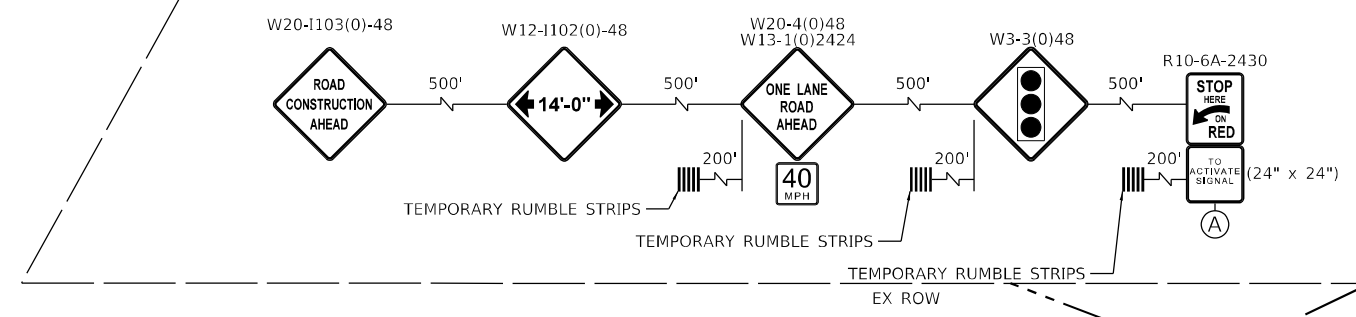
SCALE: 1"=20' SHEET 4 OF 8 SHEETS STA. 146+00 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	32
				CONTRACT NO. 64K62
ILLINOIS   FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris, default  
 FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT\180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage3\_01.dgn  
 ...:\p\cd\rv\p\NOLAYERS\sw\plctg  
 ...:\CAD\p\180044\_Pen.tbl  
 \\baxwood.com\Projects\Crystal Lake\DOT\180044\Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage3\_01.dgn



# IL ROUTE 84



## NOTES

NO ELECTRICAL CONNECTION IS AVAILABLE FOR THE TEMPORARY SIGNALS; THEREFORE, SOLAR POWERED TEMPORARY SIGNALS SHALL BE USED BY THE CONTRACTOR.

## LEGEND

- WORK ZONE
- CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
- TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW)  
DEVICES IN TAPER (20' C-C)  
DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANELS EVERY 25' C-C
- TRAFFIC SIGNAL
- DETECTOR LOOP
- TYPE III BARRICADE WITH FLASHING LIGHTS



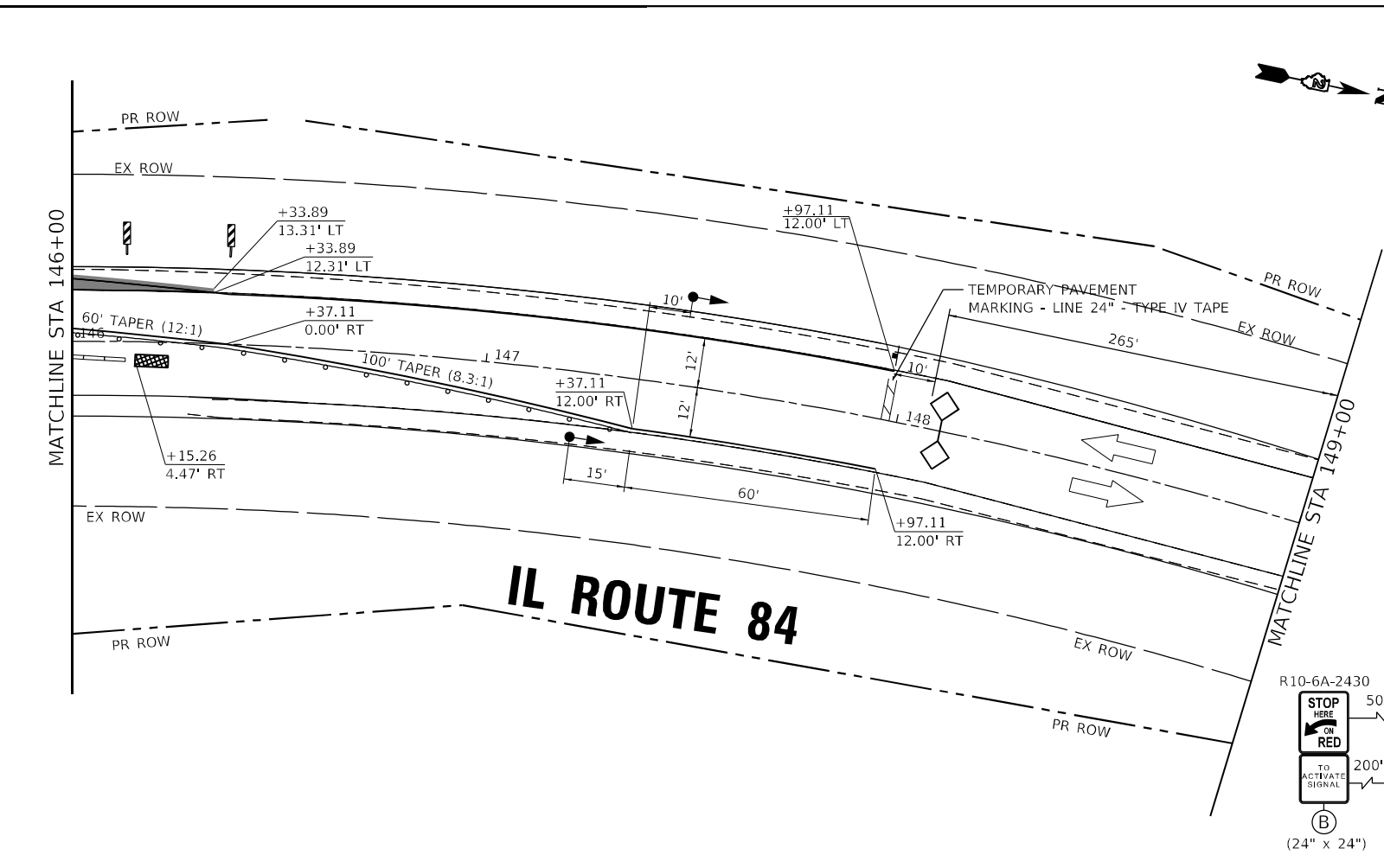
USER NAME = jharris	DESIGNED AKS JSH	REVISED -
	DRAWN MJO KAR	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED JSH DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage3_01.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION - STAGE 2  
IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)  
SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. 140+00 TO STA. 146+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	33
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN-PP A35(192)				

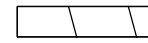










COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE - \\BAXTER\corp\ba\wood\com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage3\_02.dgn  
 ...\\pltdrv\p\fd\NOLAYERS\sw.pltctg  
 ...\\CAD\plott\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT\180044\4-Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage3\_02.dgn

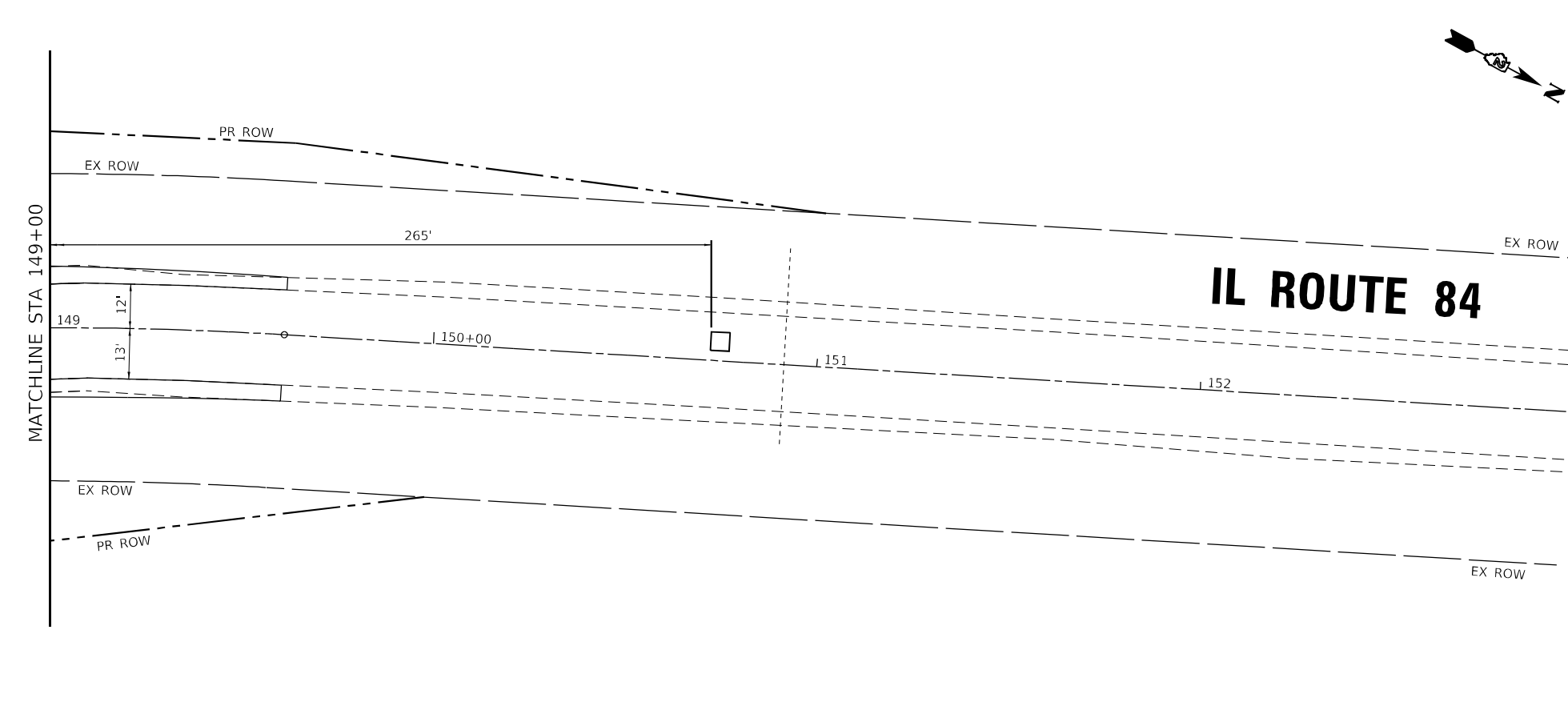
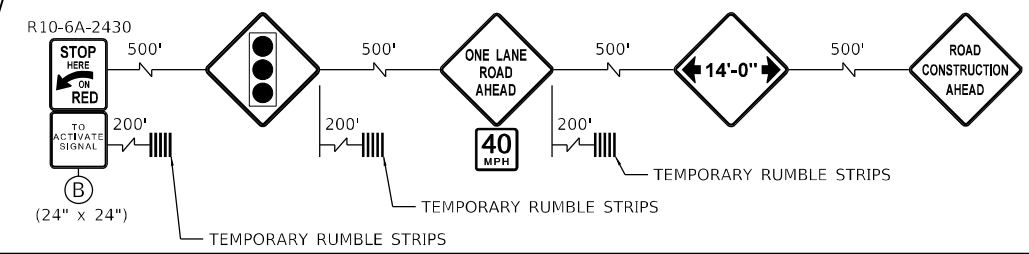


**NOTES**

NO ELECTRICAL CONNECTION IS AVAILABLE FOR THE TEMPORARY SIGNALS; THEREFORE, SOLAR POWERED TEMPORARY SIGNALS SHALL BE USED BY THE CONTRACTOR.

**LEGEND**

-  WORK ZONE
-  CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
-  TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW)  
DEVICES IN TAPER (20' C-C)  
DEVICES IN RADII (10' C-C)
-  DIRECTION OF TRAFFIC FLOW
-  SIGN
-  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
-  TEMPORARY CONCRETE BARRIER
-  DOUBLE VERTICAL PANELS EVERY 25' C-C
-  TRAFFIC SIGNAL
-  DETECTOR LOOP
-  TYPE III BARRICADE WITH FLASHING LIGHTS



USER NAME = jharris	DESIGNED AKS	REVISED -
DRAWN MJO	CHECKED JSH	REVISED -
PLOT SCALE = 40,0000 * / in.	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage3_02.dgn
PLOT DATE = 3-17-2022		

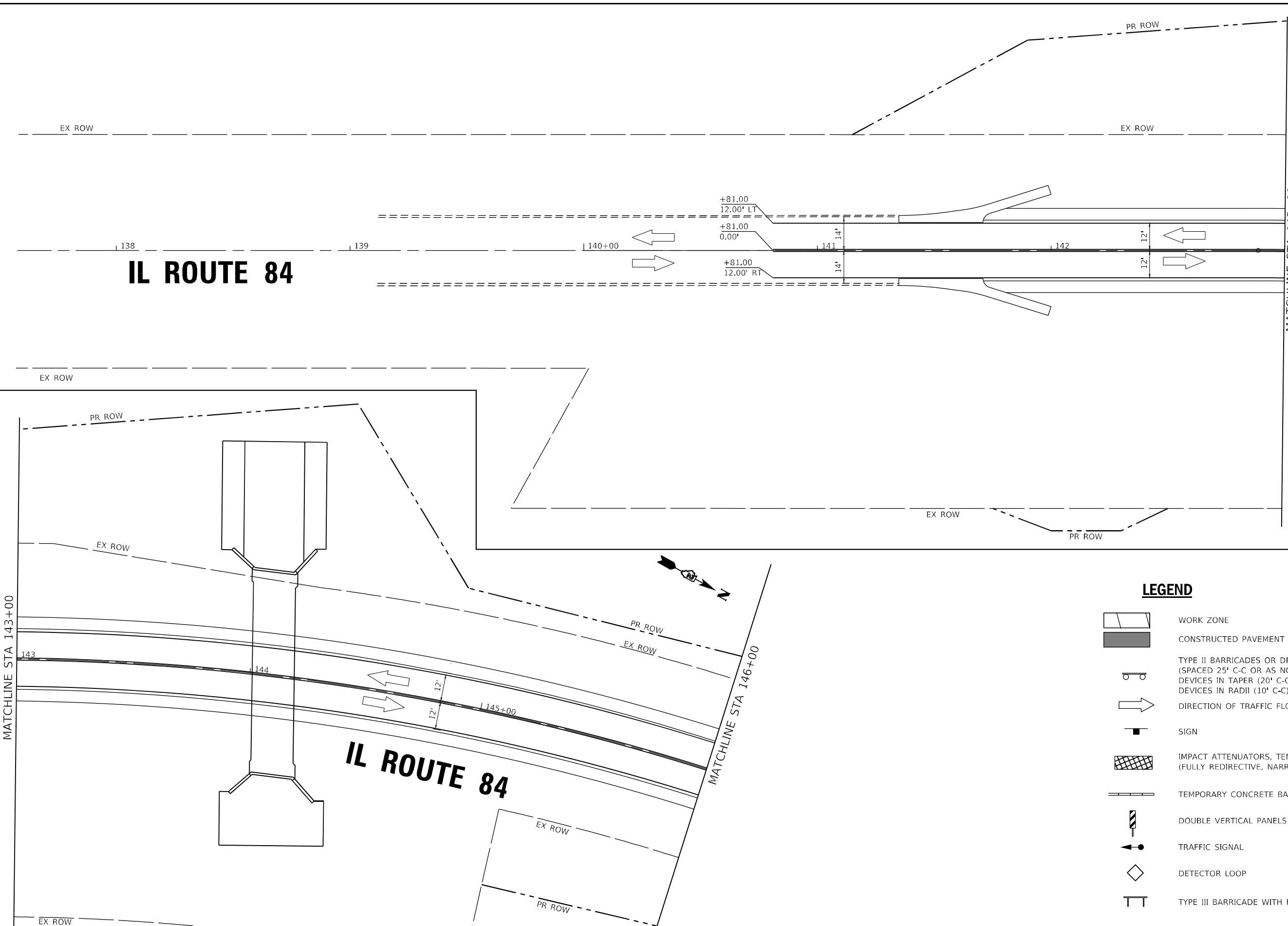
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION - STAGE 2**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**  
 SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 146+00 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	34
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN/PP A35(192)	



COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\4-Var Ph III D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage4\_01.dgn



**LEGEND**

	WORK ZONE
	CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
	TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
	DIRECTION OF TRAFFIC FLOW
	SIGN
	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
	TEMPORARY CONCRETE BARRIER
	DOUBLE VERTICAL PANELS EVERY 25' C-C
	TRAFFIC SIGNAL
	DETECTOR LOOP
	TYPE III BARRICADE WITH FLASHING LIGHTS



USER NAME = jharris	DESIGNED AKS JSH	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN MJO KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED JSH DTH	REVISED -
	DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage4_01.dgn

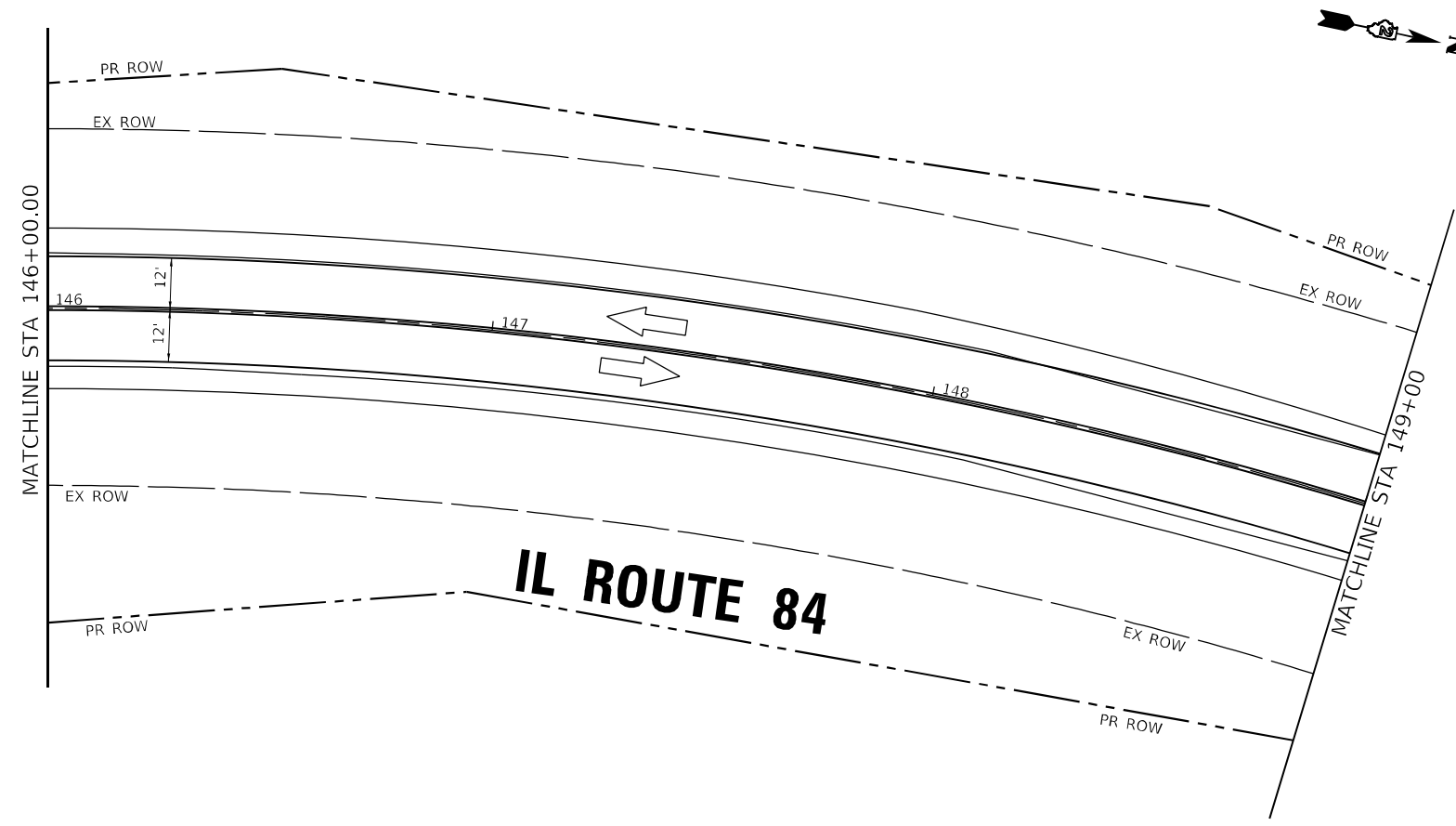
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION - STAGE 3 AND POST-STAGE**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

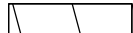










SCALE: 1"=20'    SHEET 7 OF 8 SHEETS    STA. 140+00 TO STA. 146+00

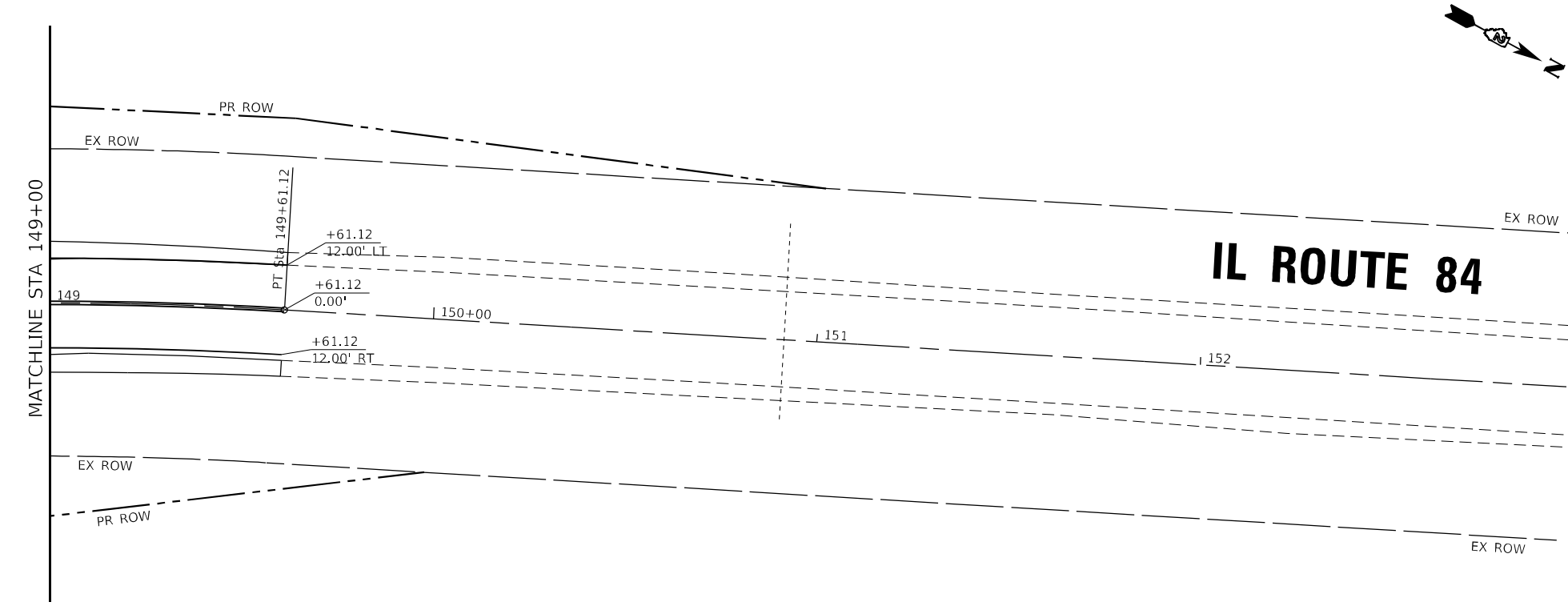
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	35
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 Jharris - default  
 FILE NAME: \\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\3r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage4\_02.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\3r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage4\_02.dgn  
 ...\\p2p.baxwood.com\Projects\Crystal Lake\DOT180044\3r Ph 111 D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-staging-South-Stage4\_02.dgn



### LEGEND

	WORK ZONE
	CONSTRUCTED PAVEMENT TO BE USED BY TRAFFIC
	TYPE II BARRICADES OR DRUMS (SPACED 25' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
	
	SIGN
	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
	TEMPORARY CONCRETE BARRIER
	DOUBLE VERTICAL PANELS EVERY 25' C-C
	TRAFFIC SIGNAL
	DETECTOR LOOP
	TYPE III BARRICADE WITH FLASHING LIGHTS



<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	USER NAME = jharris	DESIGNED AKS	REVISED -
	PLOT SCALE = 40,0000 */ in.	DRAWN MJO KAR	REVISED -
	PLOT DATE = 3-17-2022	CHECKED JSH DTH	REVISED -
		DATE - 3-17-2022	FILE - D200915-sht-staging-South-Stage4_02.dgn

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

**STAGE CONSTRUCTION - STAGE 3 AND POST-STAGE**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

SCALE: 1"=20'    SHEET 8 OF 8 SHEETS    STA. 146+00 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	36
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PPP A35(192)				



**GENERAL NOTES:**

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. It will be the responsibility of the Contractor to direct the stream flow during construction in order to keep the Construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of the Concrete Box Culverts.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
5. The Rock fill shall be capped with 6 in of CA-7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Rock fill.
6. Precast culvert alternate is not allowed.
7. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer

**INDEX OF SHEETS**

- S1-01 General Plan & Elevation
- S1-02 Gen Notes, Index of Sheets & Total Bill of Material
- S1-03 Stage Removal and Construction
- S1-04 Geotextile Wall Details
- S1-05 Culvert Plan Top Slab Details
- S1-06 Culvert Plan Bottom Slab Details
- S1-07 Culvert Sections and Details (Sheet 1 of 2)
- S1-08 Culvert Sections and Details (Sheet 2 of 2)
- S1-09 Bar Splicer Assembly Details
- S1-10 Soil Boring Logs

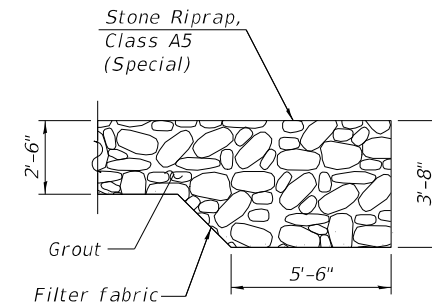
**TOTAL BILL OF MATERIAL**

Item	Unit	Total
Stone Riprap, Class A5	Sq Yd	129
Filter Fabric	Sq Yd	379
Removal Of Existing Structures No. 1	Each	1
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	368
Reinforcement Bars	Pound	44,470
Bar Splicers	Each	103
Name Plates	Each	1
Temporary Soil Retention System	Sq Ft	1079
Geotextile Retaining Wall	Sq Ft	146
Concrete Box Culverts	Cu Yd	195.7
Stone Riprap, Class A5 (Special)	Sq Yd	251
Rock Fill	Ton	394
Temporary Support System	Each	1

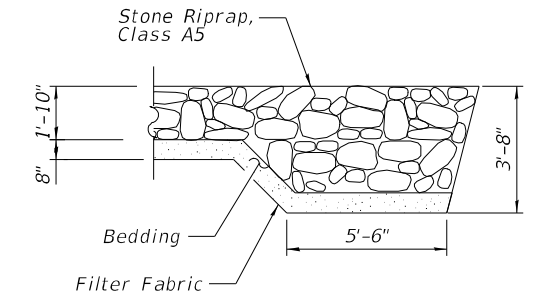
**WATERWAY INFORMATION**

Drainage Area = 130.8 acres				
Existing Low Grade Elev. 607.72 ft at Sta. 146+06				
Proposed Low Grade Elev. 607.72 ft at Sta. 146+06				
Flood Event	Frequency Year	Discharge CFS	Headwater Elev. (ft)	
			Exist.	Prop.
Ten-Year	10	154	598.98	597.94
Design	50	228	599.19	598.59
Base	100	268	599.35	598.91
Max Calc	500	391	600.32	599.82

10-Year Velocity through Existing Culvert = 2.6 ft/s  
 10-Year Velocity through Proposed Culvert = 7.5 ft/s



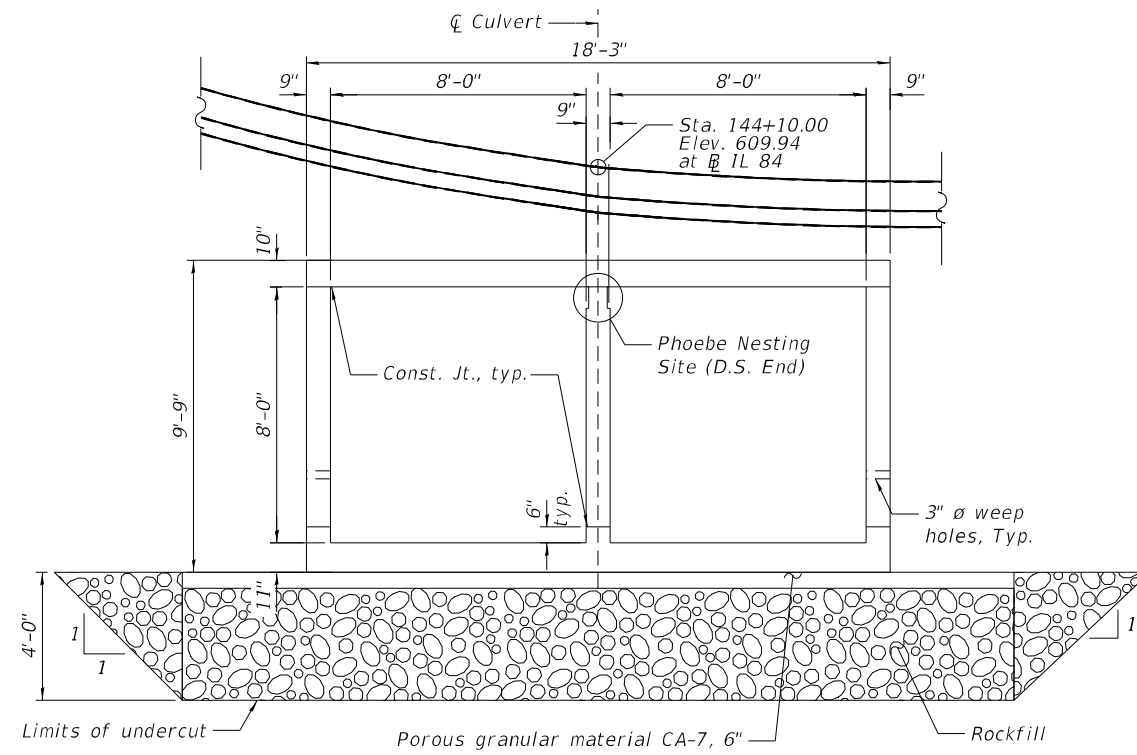
**D/S SECTION B-B**



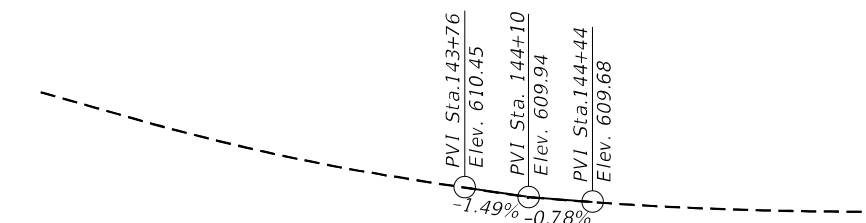
**U/S SECTION A-A**

STATION 144+10.00  
 BUILT 20\_\_ BY  
 STATE OF ILLINOIS  
 F.A.P. RTE 308  
 (IL 84)  
 SECTION (103,104)CR  
 LOADING HL-93  
 STRUCTURE NO. 043-1117

**NAME PLATE**  
 See Std. 515001



**SECTION THRU BARREL**



**PROFILE GRADE**

(Along IL 84)

EXISTING CURVE PRIL845  
 PI STA. = 146+37.60      E = 58.02'  
 Δ = 37° 45' 42" (RT)      e = 8.00%  
 D = 5° 36' 55"      T.R. = 51'  
 R = 1,020.37'      S.E. RUN = 204'  
 L = 672.49'      P.C. STA = 142+88.63  
 T = 348.97'      P.T. STA = 149+61.12

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District\_2\W04 IL 84\_Culverts\Sheets\043-1117\_South\0200915-0431117-502-GenNotes.dgn



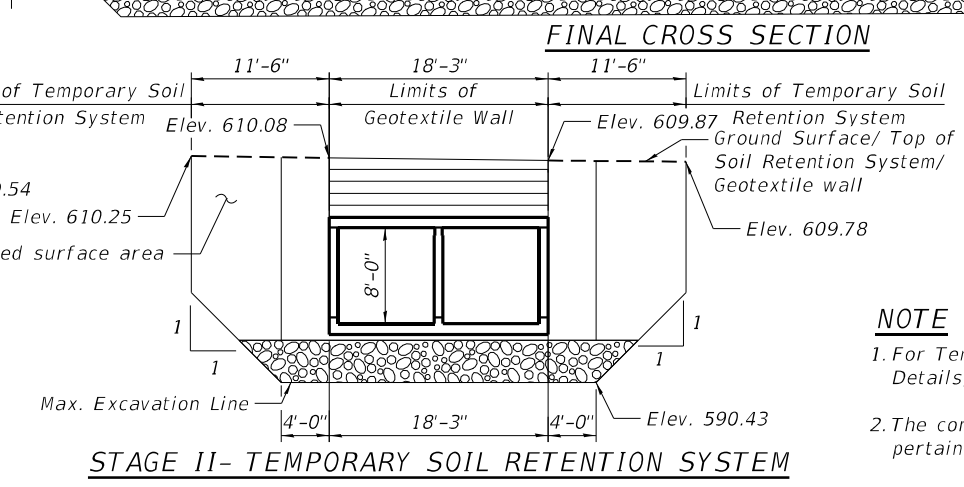
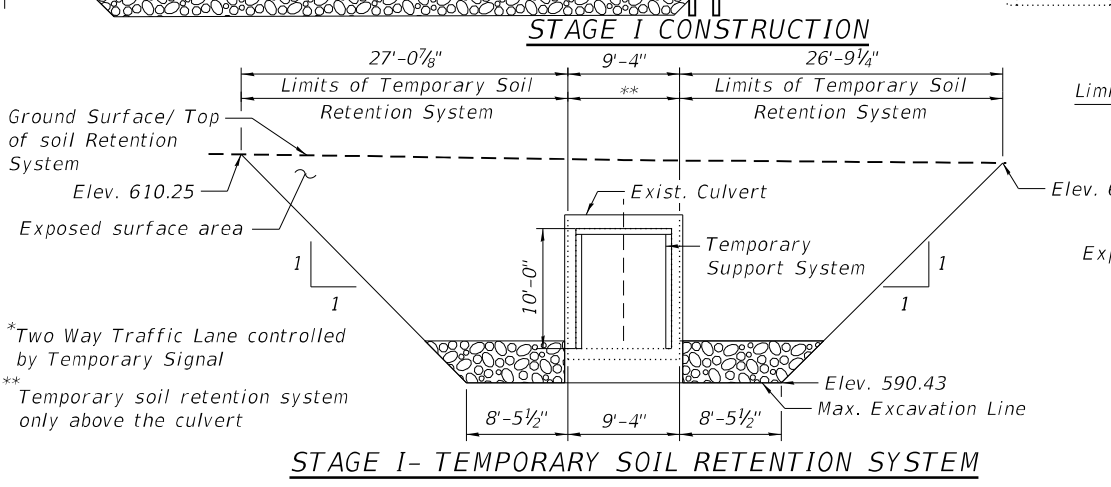
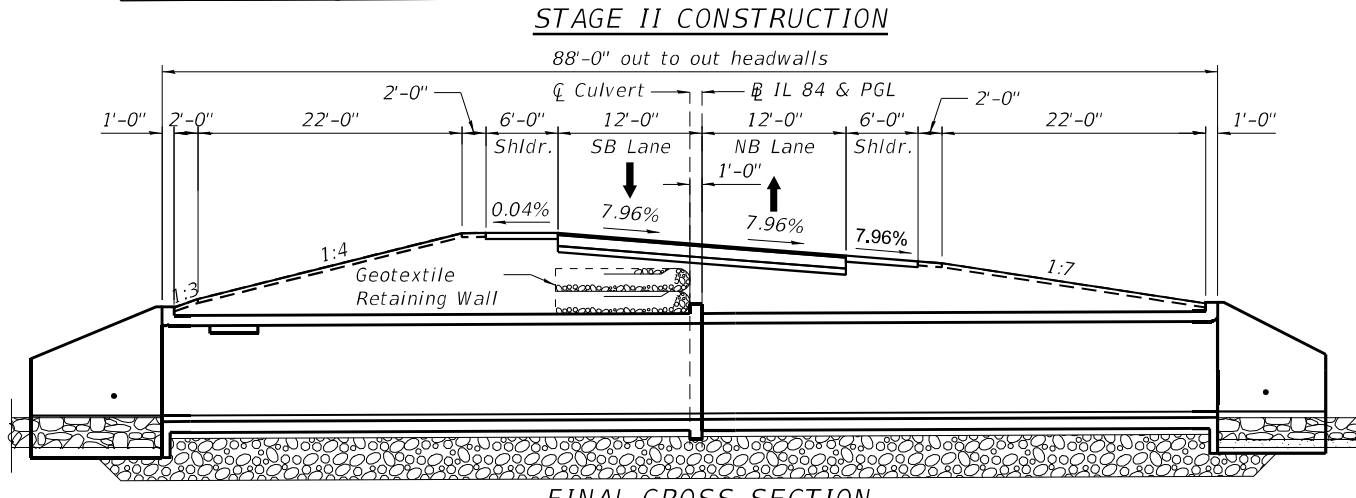
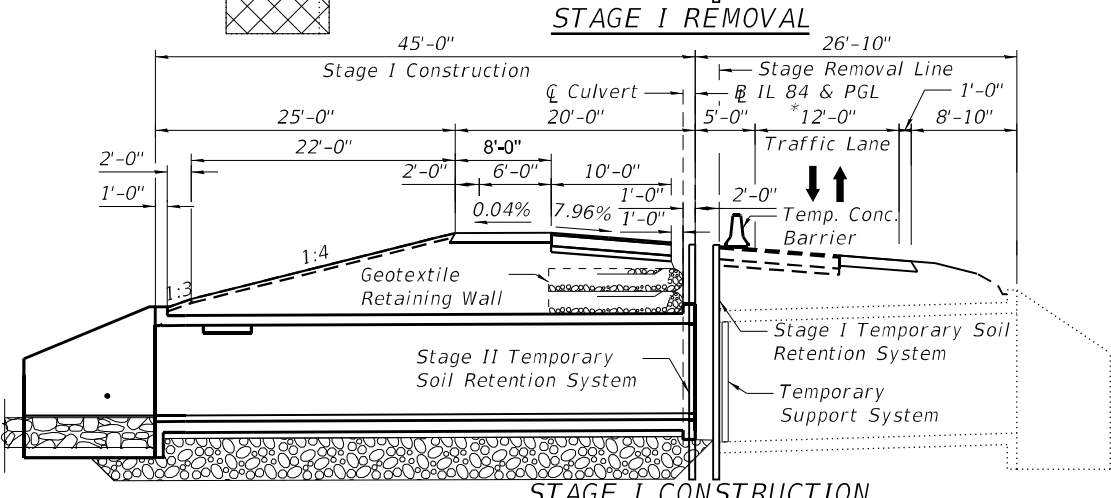
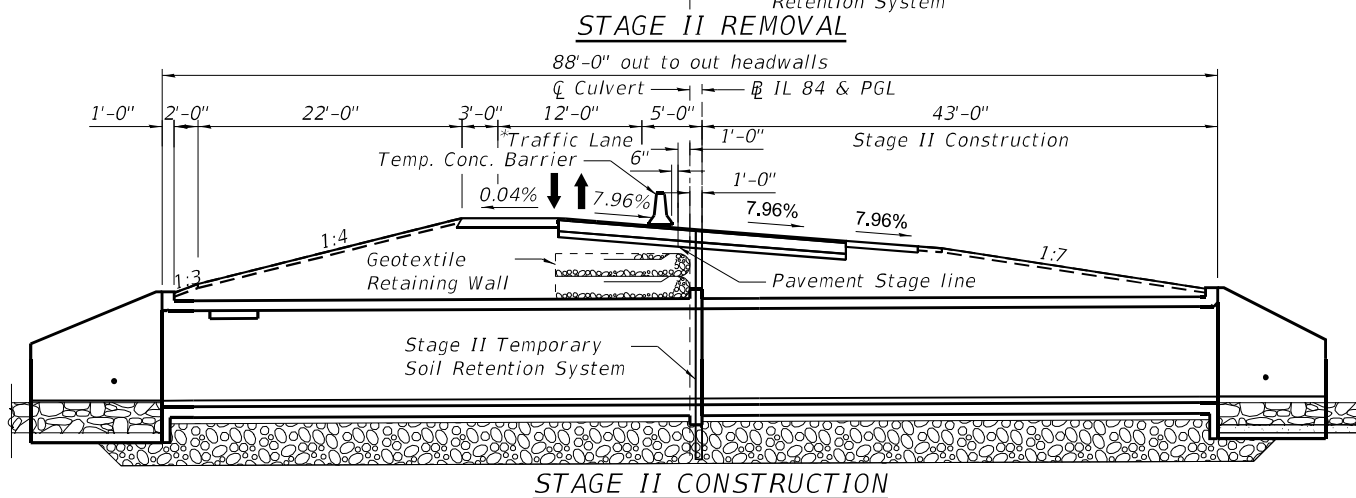
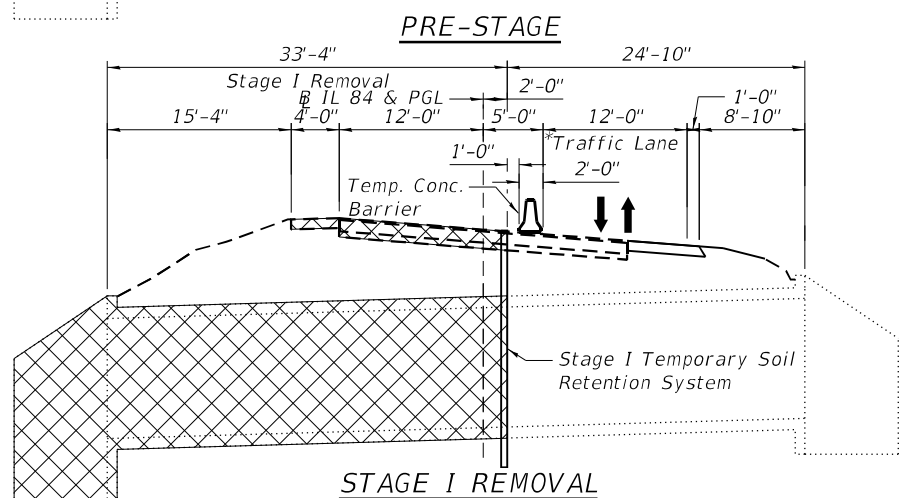
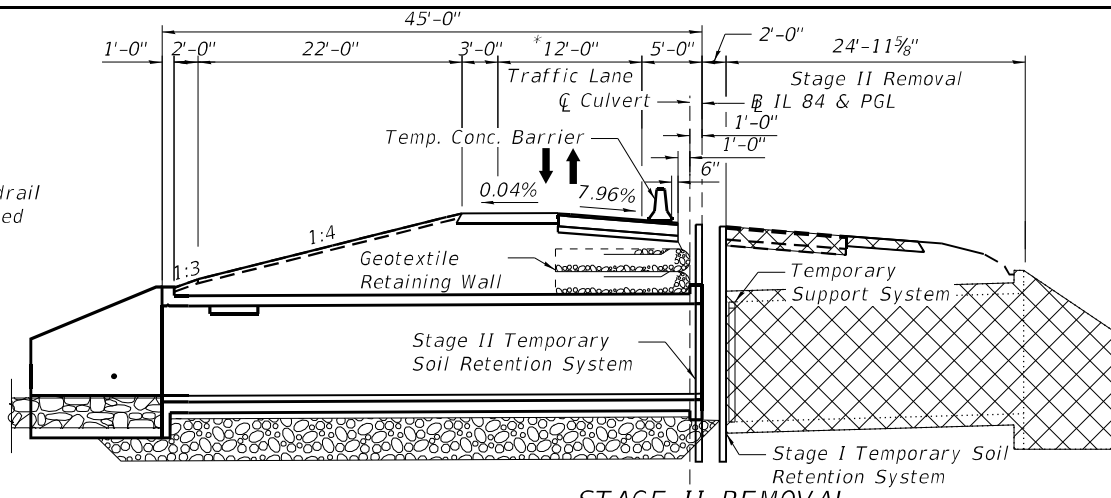
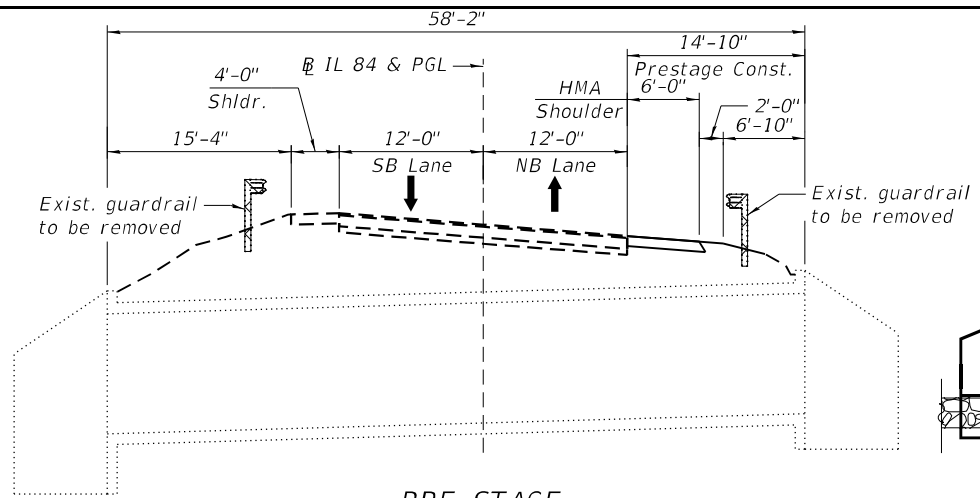
USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 5/5/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GEN NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL  
 S.N. 043-1117**

SHEET S1-02 OF S1-10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104)CR	JO DAVIESS	82	38
CONTRACT NO. 64K62				
		ILLINOIS	FED. AID PROJECT	



**PRESTAGE**

1. Construct Temporary HMA shoulder.
2. Remove the existing guardrail.

**STAGE I REMOVAL**

1. Install temporary concrete barrier as shown to locate construction work areas on the west side of the existing structure.
2. Install Temporary Soil Retention System as shown.
3. Remove portions of the existing pavement on the west side of the roadway.
4. Remove the 33'-4" portion of the west culvert barrel, and remove the west headwall and wingwalls.

**STAGE I CONSTRUCTION**

1. Install Temporary Support System as shown.
2. Construct the 45'-0" portion of the west culvert barrel and construct the west headwall and wingwalls.
3. Install Geotextile Retaining Wall
4. Construct the pavement and shoulder on the west side of the roadway.

**STAGE II REMOVAL**

1. Install temporary concrete barrier as shown to locate construction work areas on the east side of the existing structure.
2. Install Temporary Soil Retention System as shown.
3. Remove portions of the existing pavement on the east side of the roadway.
4. Remove the 24'-10" portion of the east culvert barrel, and remove the east headwall and wingwalls.

**STAGE II CONSTRUCTION**

1. Construct the 43'-0" portion of the east culvert barrel and construct the east headwall and wingwalls.
2. Construct the pavement and shoulder on the east side of the roadway.

**NOTE**

1. For Temporary Support System Details, See special provision
2. The construction phases shown on this sheet only pertain to the culvert construction sequences.

MODEL: Default  
FILE NAME: P:\1902-791\_PTB190p24\_Var\_District\_2\W04 IL 84 Culverts\Sheets\043-1117\_South\0200915-0431117-503- Staging.dgn



USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 3/31/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

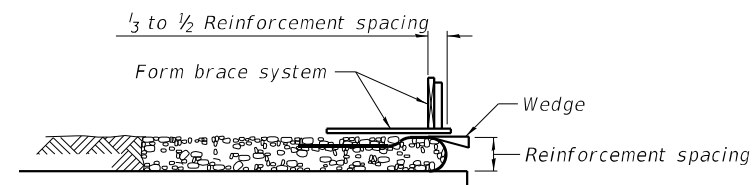
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE REMOVAL AND CONSTRUCTION  
S.N. 043-1117**

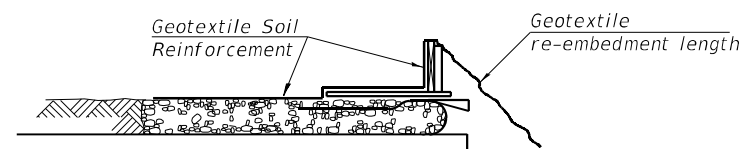
F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 39
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

SHEET S1-03 OF S1-10 SHEETS

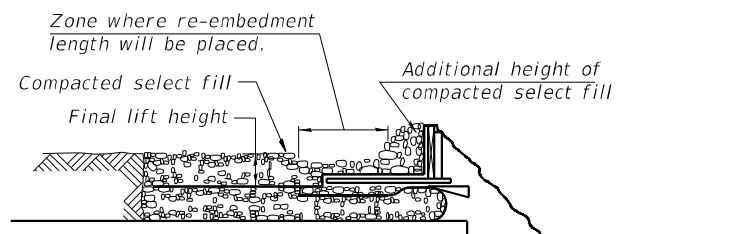
MODEL: Default  
 FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District\_2\WO#4\_IL\_84\_Culverts\Sheets\043-1117\_South\DWG\0915-043-1117-TempConcBarrierc.dgn  
 3/15/2022 2:55:28 PM



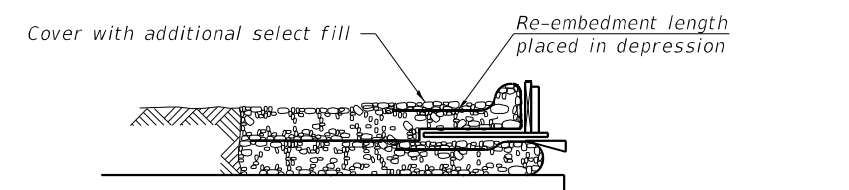
1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of  $\frac{1}{3}$  to  $\frac{1}{2}$  the geotextile reinforcement spacing.



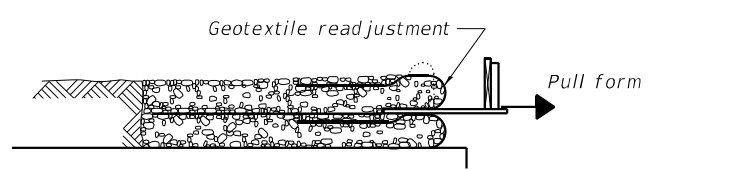
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.



3. Compact select fill material in lifts to final lift height, create ( $\pm 3"$ ) depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.



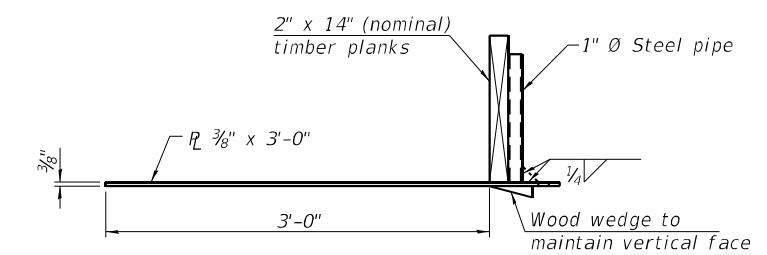
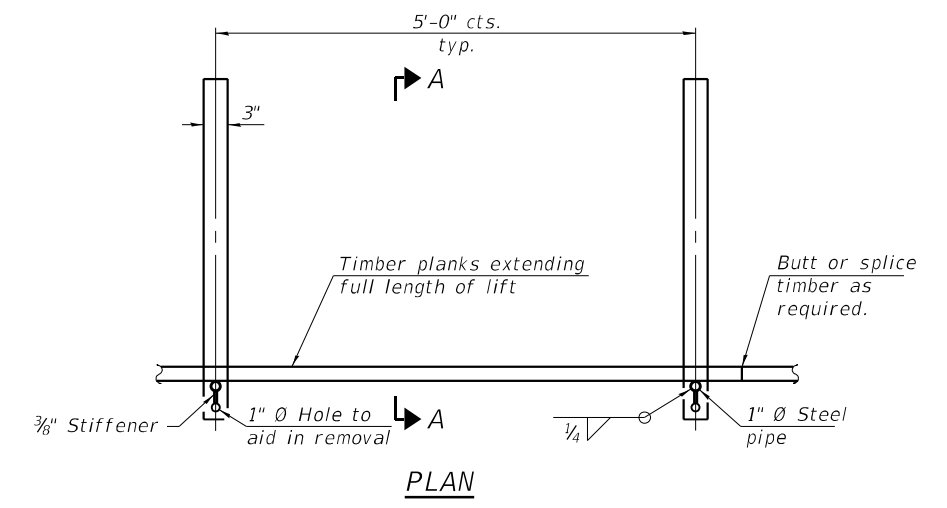
4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill ( $\pm 3"$ ) to embed geotextile and bring to final lift height.



5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

**GEOTEXTILE WALL CONSTRUCTION SEQUENCE**

Note:  
 The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 25 lb./in. as determined by the procedure described in the Special Provision. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.



**SECTION A-A**  
  
**GEOTEXTILE FORM BRACE DETAIL**

Note:  
 This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.



USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 3/15/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

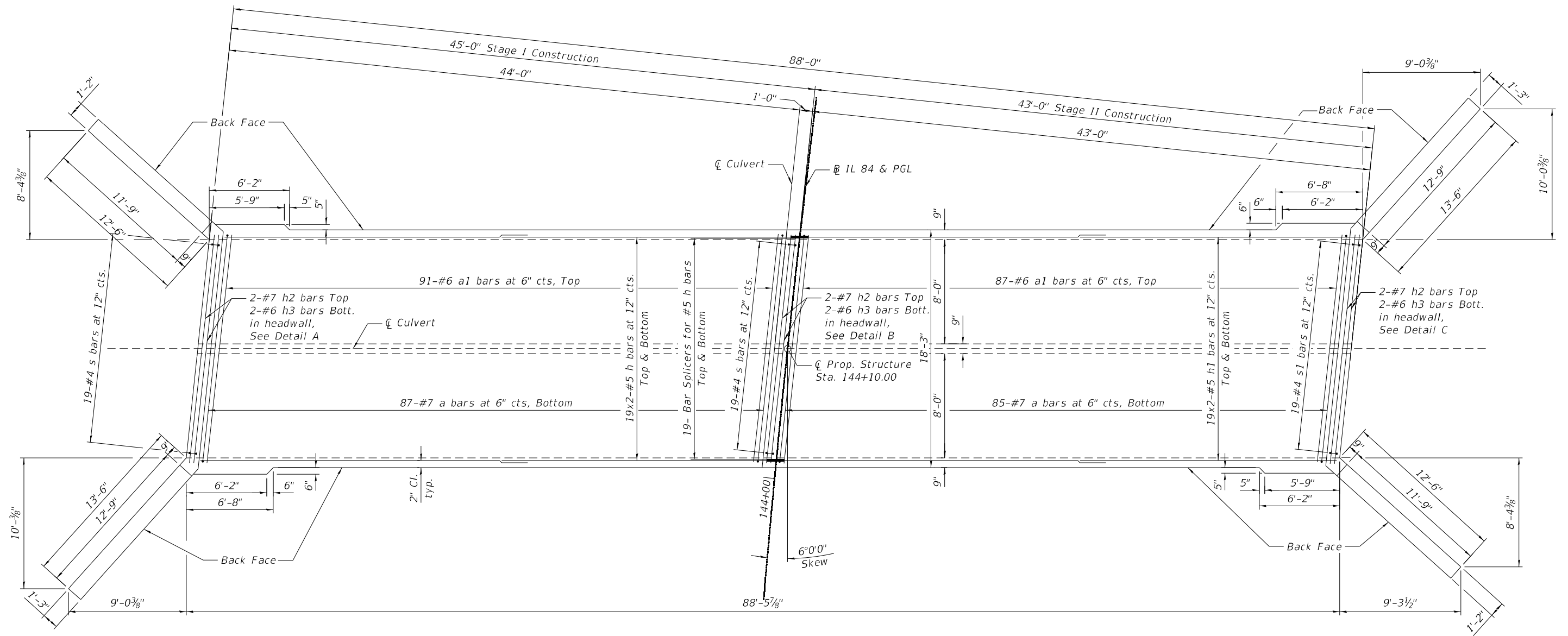
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**GEOTEXTILE WALL DETAILS S.N. 043-1117**  
 SHEET S1-04 OF S1-10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	40
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. For Notes, Bar Laps, Bar Diagrams and Bill of Material, see Sheet S1-08 .
2. For Bottom Slab reinforcement, see Sheet S1-06 .
3. For culvert and wingwall sections and details and for Detail A, Detail B and Detail C, see Sheet S1-07 .



**TOP SLAB -REINFORCEMENT**

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District\_2\WQ#4 IL 84\_Culverts\Sheets\043-1117\_South\0200915-0431117-504-TopPlan.dgn  
 3/15/2022 2:55:30 PM



USER NAME =	DESIGNED - MAA, EBK	REVISED -
	CHECKED - MI, RTB	REVISED -
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE = 3/15/2022	DATE - 03/17/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

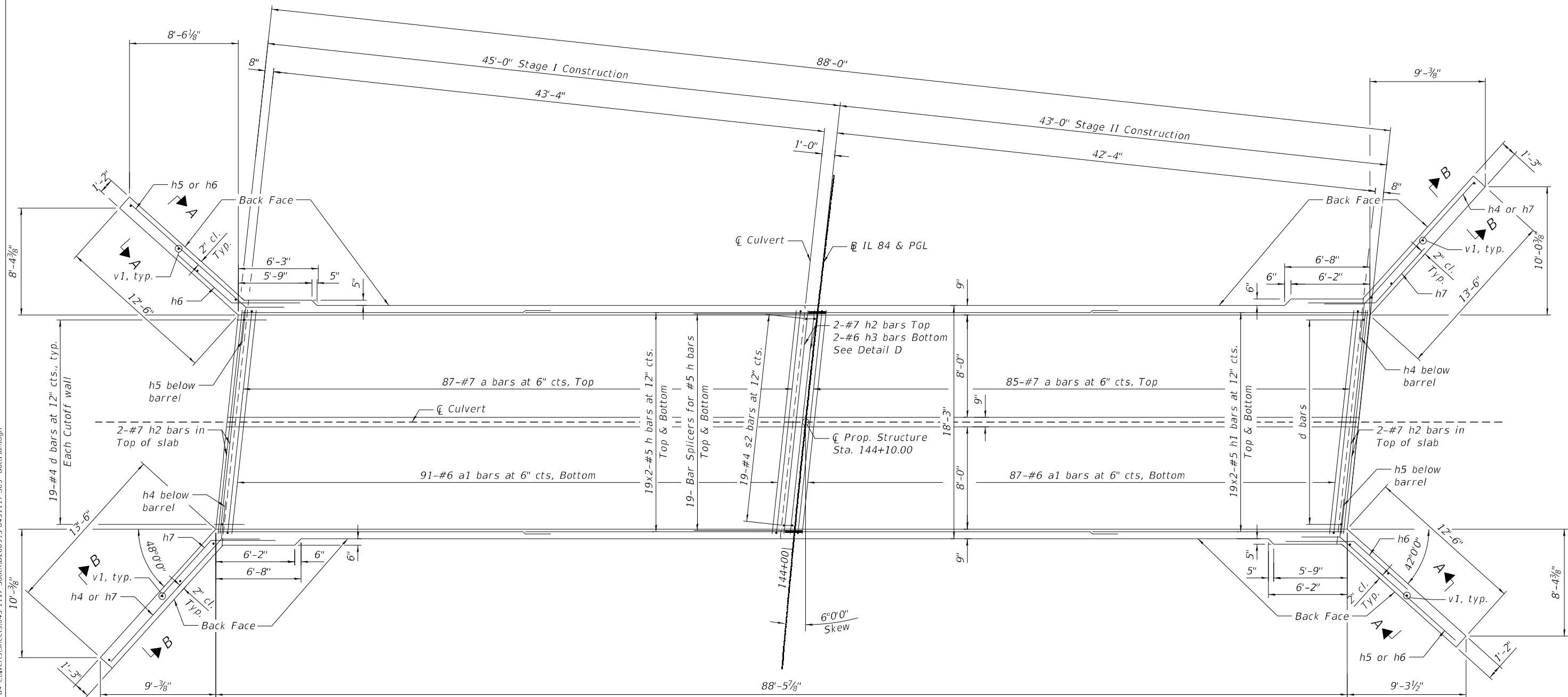
**CULVERT PLAN TOP SLAB DETAILS  
 S.N. 043-1117**

SHEET S1-05 OF S1-10 SHEETS

F.A.P. RTE. = 308	SECTION = (103,104) CR	COUNTY = JO DAVIESS	TOTAL SHEETS = 82	SHEET NO. = 41
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. For Notes, Bar Laps, Bar Diagrams and Bill of Material, see Sheet S1-08 .
2. For Top Slab reinforcement, see Sheet S1-05 .
3. For culvert and wingwall sections and details and for Detail D, see Sheet S1-07 .



MODEL: Default  
 FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District 2\WQ#4 IL 84 Culverts\Sheets\043-1117\_South\0200915-0431117-505- BotPlan.dgn  
 3/15/2022 2:55:31 PM



USER NAME =	DESIGNED - MAA, EBK	REVISED -
	CHECKED - MI, RTB	REVISED -
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE = 3/15/2022	DATE - 03/17/2022	REVISED -

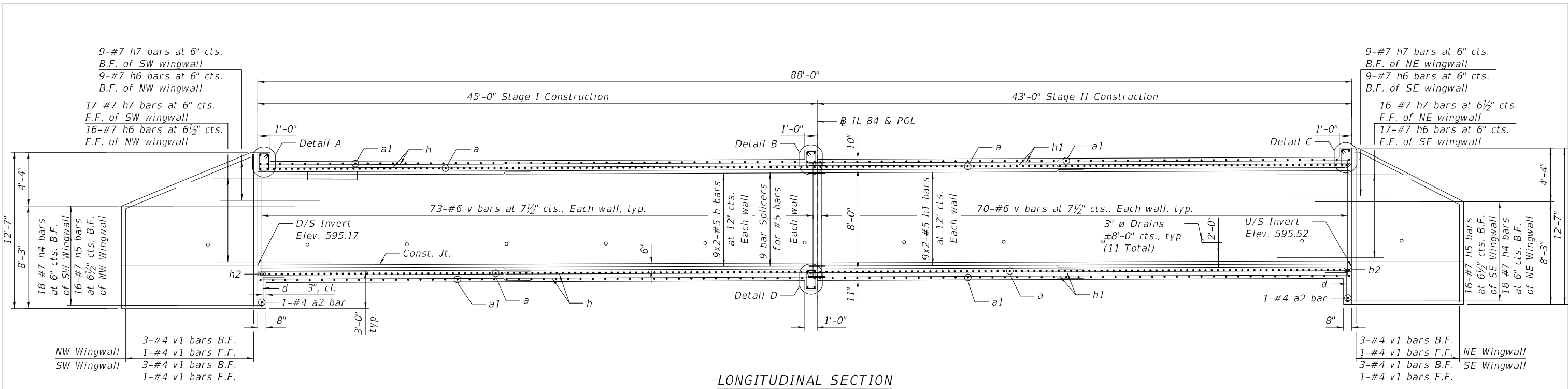
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CULVERT PLAN BOTTOM SLAB DETAILS  
 S.N. 043-1117**

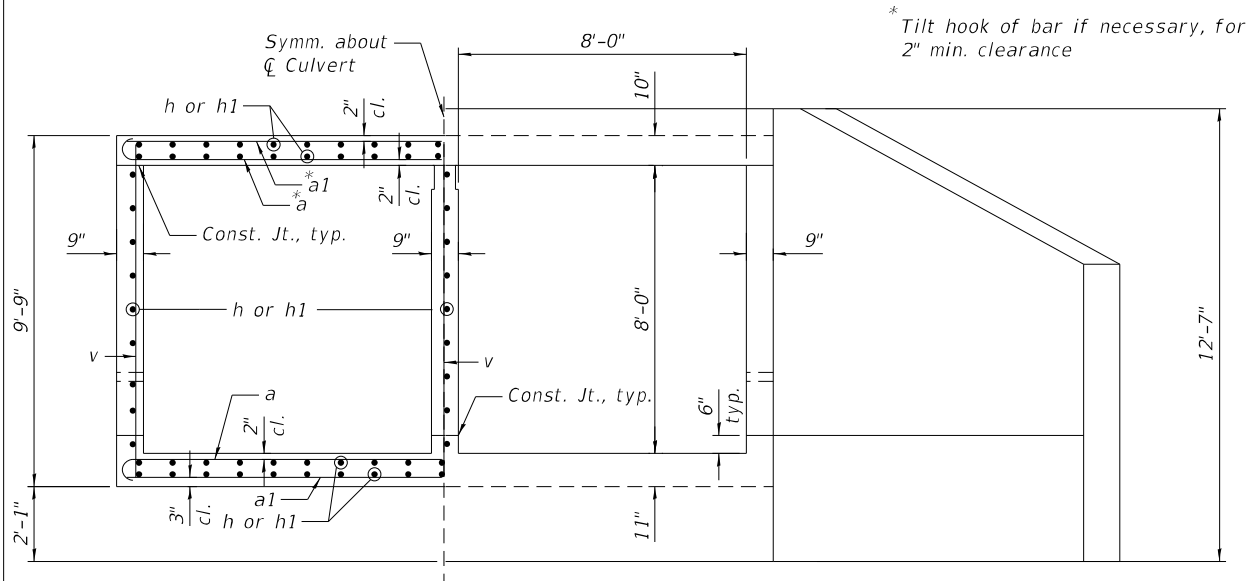
SHEET S1-06 OF S1-10 SHEETS

F.A.P. RTE. = 308	SECTION = (103,104) CR	COUNTY = JO DAVIESS	TOTAL SHEETS = 82	SHEET NO. = 42
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				



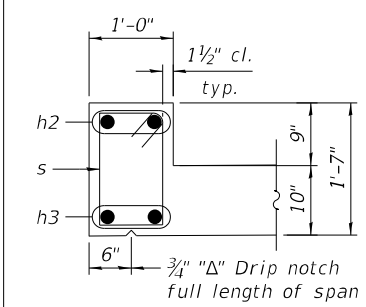


LONGITUDINAL SECTION



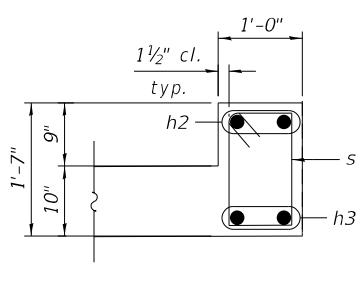
HALF SECTION THRU BARREL

HALF END ELEVATION



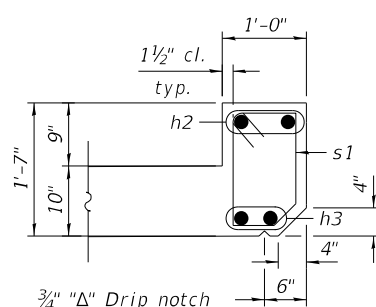
DETAIL A

DOWNSTREAM  
(Reinforcement in top slab omitted for clarity)



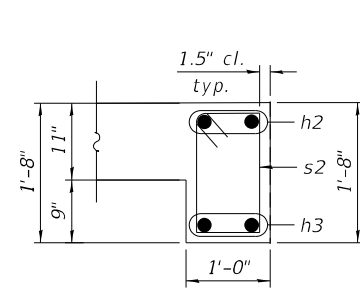
DETAIL B

(Reinforcement in top slab omitted for clarity)



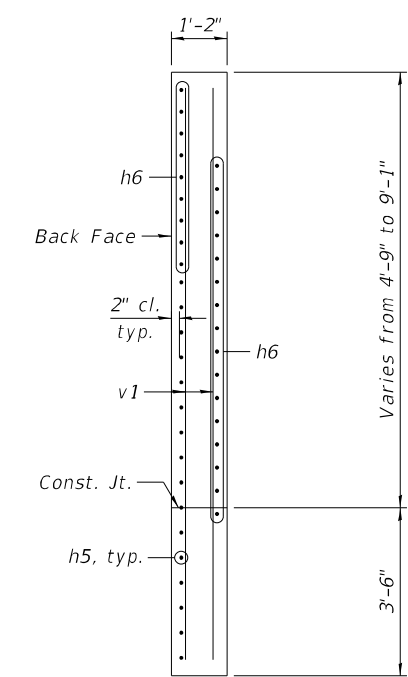
DETAIL C

UPSTREAM  
(Reinforcement in top slab omitted for clarity)

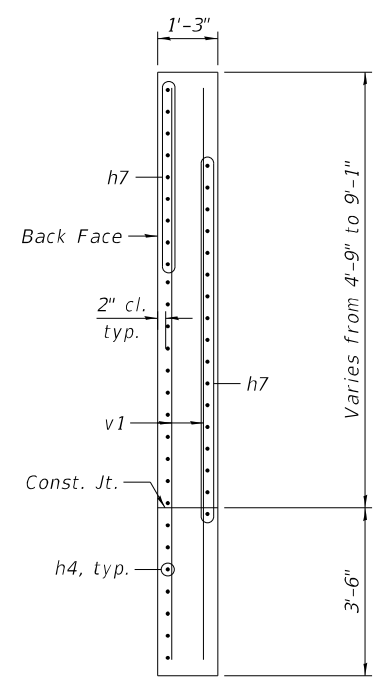


DETAIL D

(Reinforcement in bottom slab omitted for clarity)



SECTION A-A



SECTION B-B

MODEL: Default  
FILE NAME: P:\1902-791\_PTB190p24\_Var\_District 2\WQ#4 IL 84\_Culverts\Sheets\043-1117\_South\0200915-0431117-506- Sect\Det (1 of 2).dgn



USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 3/31/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

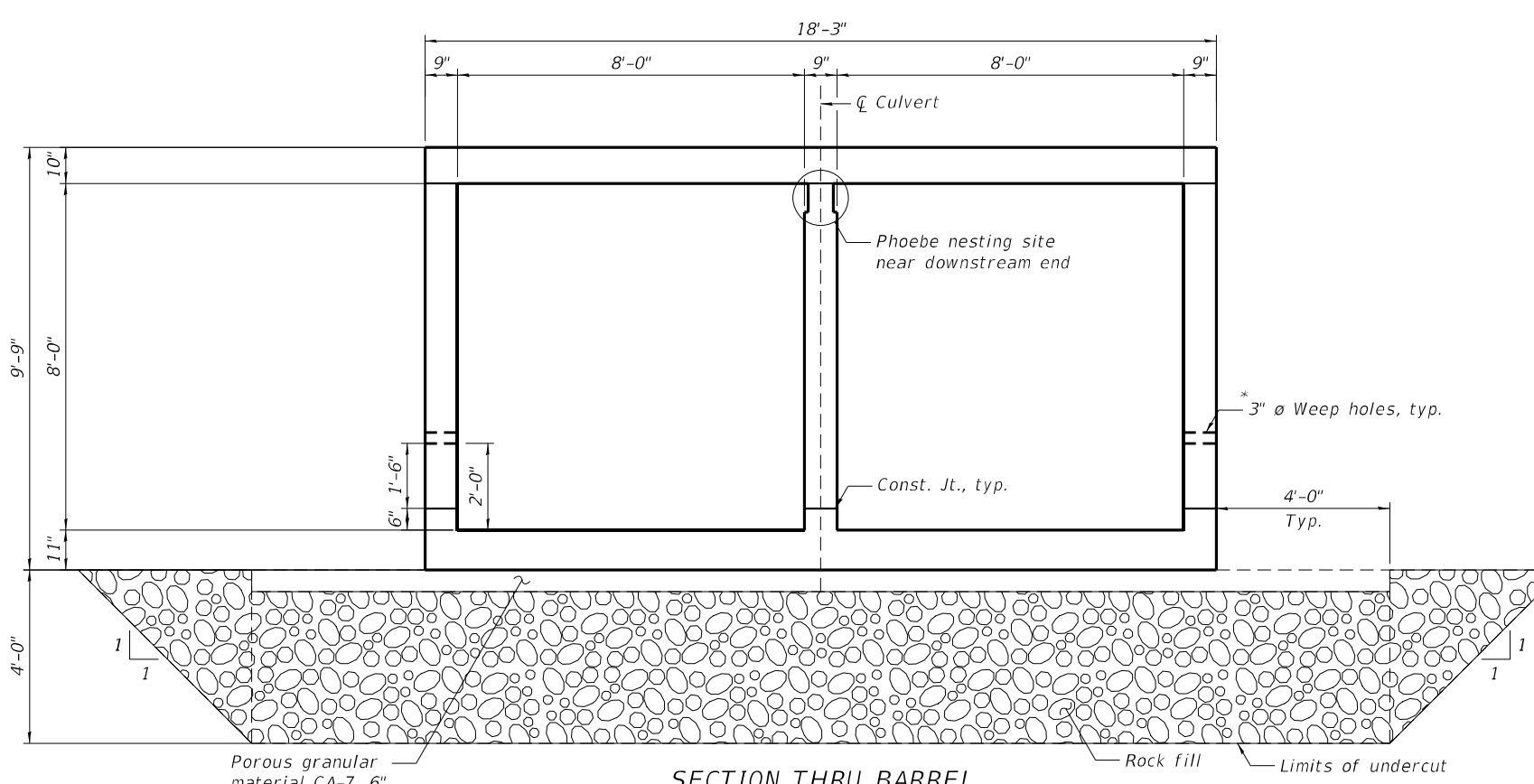
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS (SHEET 1 OF 2)  
S.N. 043-1117

F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 43
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

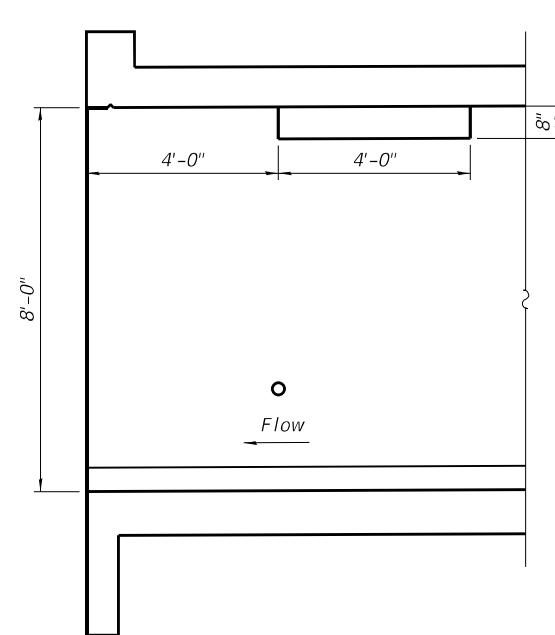
SHEET S1-07 OF S1-10 SHEETS

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB190p24\_Var\_District\_2\WO#4\_IL\_B4\_Culverts\Sheets\043-1117\_South\DWG\0915-0431117-507- SectDet (2 of 2).dgn



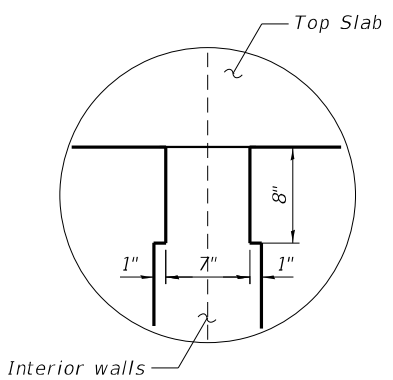
**SECTION THRU BARREL**

\* Cost included in Concrete Box Culvert



**LONGITUDINAL SECTION**

**NOTE:**  
 Notch formed by rough finished board attached to and removed with formwork at the interior wall only (Do not chamfer).



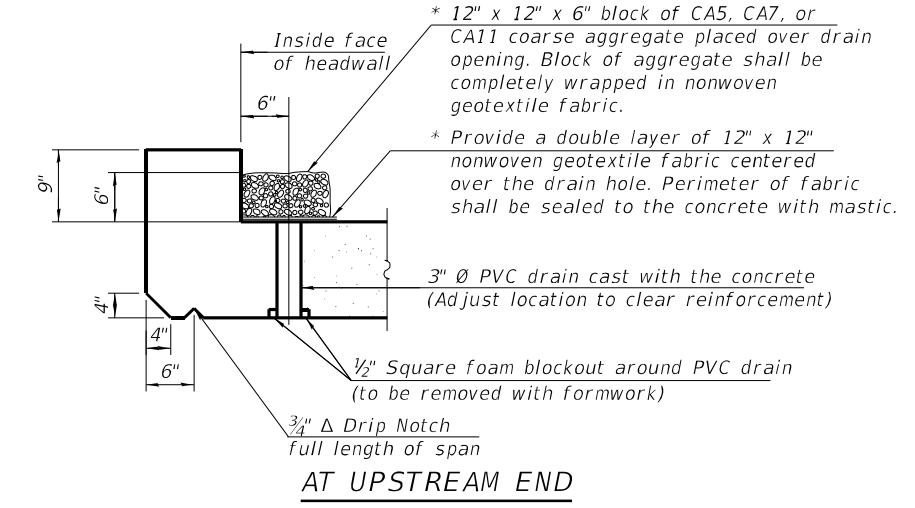
**NOTCH DETAIL**

**PHOEBE NESTING SITE**  
 (Near downstream end)

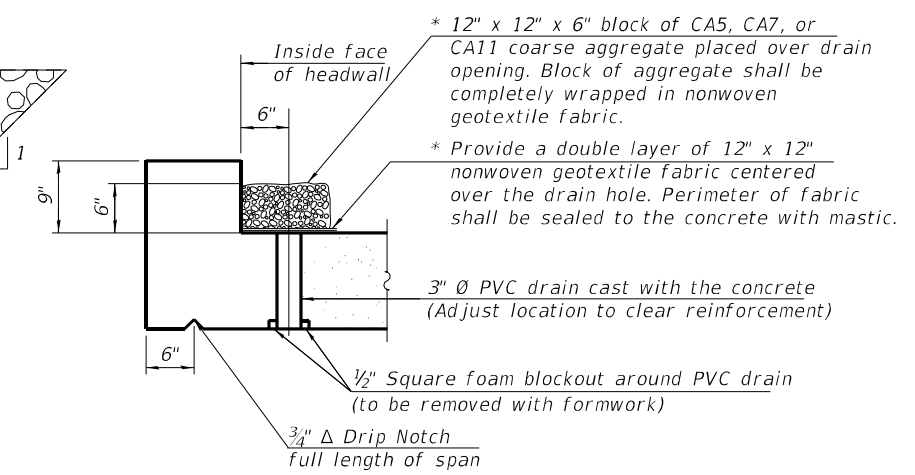
**NOTES:**

- A distance of half the length of the wingwall but not less than six feet of barrel shall be poured monolithically with the wingwalls.
- Bars indicated thus 40x2-#6 etc. indicates 40 lines of bars with 2 lengths per line.

\* 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.



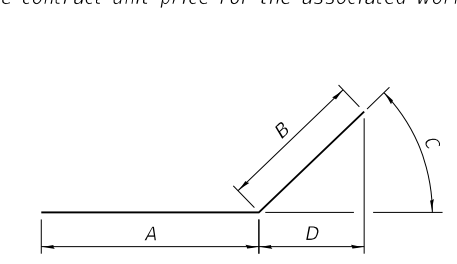
**AT UPSTREAM END**



**AT DOWNSTREAM END**

**DRAIN DETAIL**

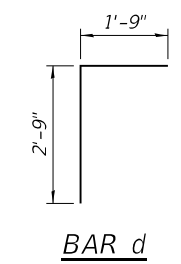
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



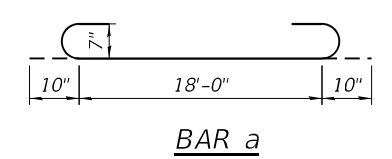
**BARS h4 THRU h6**

**TABLE 1**

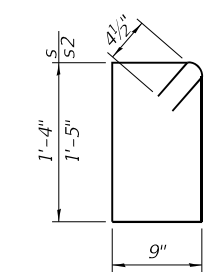
Bar	A	B	C	D
h4	13'-6"	3'-0"	48°0'0"	2'-0"
h5	12'-6"	3'-0"	42°0'0"	2'-2 3/4"
h6	5'-0"	3'-0"	42°0'0"	2'-2 3/4"
h7	5'-0"	3'-0"	48°0'0"	2'-0"



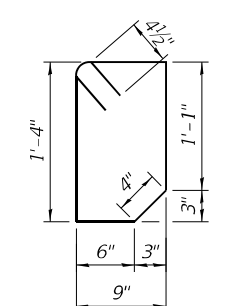
**BAR d**



**BAR a**



**BARS s & s2**



**BAR s1**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	344	#7	19'-8"	U
a1	356	#6	18'-0"	—
a2	2	#4	18'-0"	—
d	38	#4	4'-6"	Γ
h	206	#5	23'-8"	—
h1	206	#5	22'-8"	—
h2	12	#7	18'-0"	—
h3	8	#6	18'-0"	—
h4	36	#7	16'-6"	—
h5	32	#7	15'-6"	—
h6	50	#7	8'-0"	—
h7	50	#7	8'-0"	—
s	38	#4	4'-11"	□
s1	19	#4	4'-9"	□
s2	19	#4	5'-1"	□
v	429	#6	9'-4"	—
v1	16	#4	12'-3"	—
Reinforcement Bars			Pound	44,470
Concrete Box Culverts			Cu Yd	195.7

**MIN. BAR LAP**

#5 = 2'-2"  
 #6 = 2'-7"



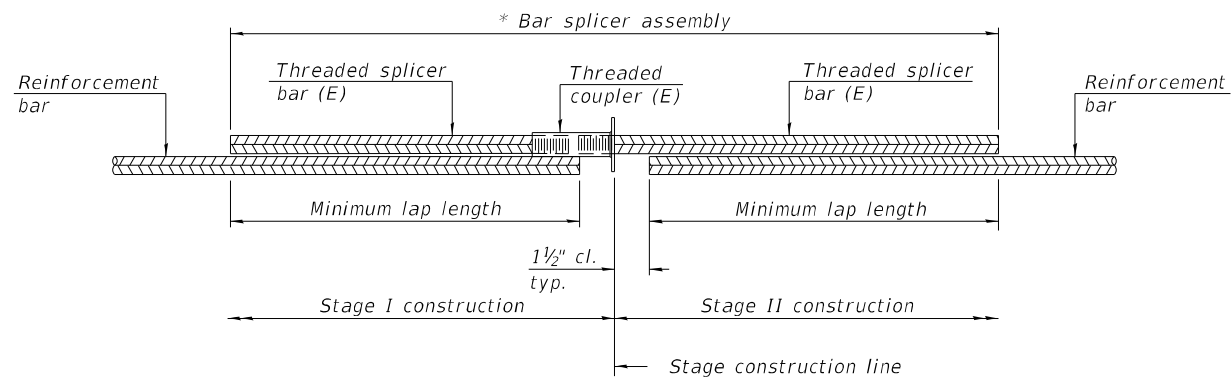
USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 3/15/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

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

**CULVERT SECTIONS AND DETAILS (SHEET 2 OF 2)**  
**S.N. 043-1117**

F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 44
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

SHEET S1-08 OF S1-10 SHEETS

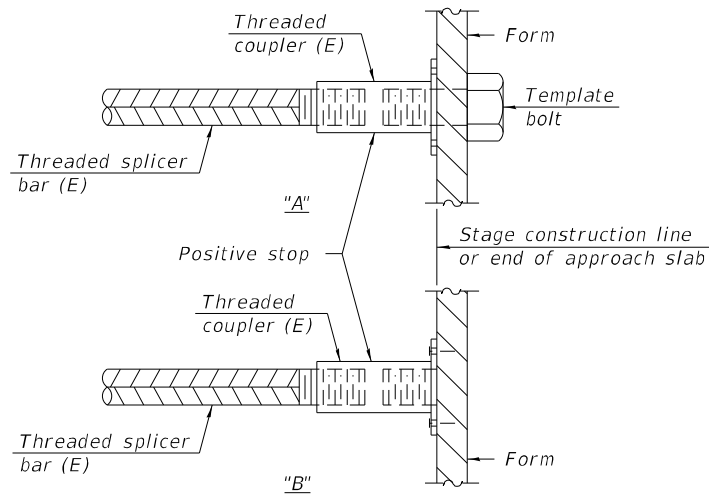


**STANDARD BAR SPLICER ASSEMBLY PLAN**  
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bottom Slab	#5	38	2'-2"
Top Slab	#5	38	2'-2"
Side Walls	#5	27	2'-2"

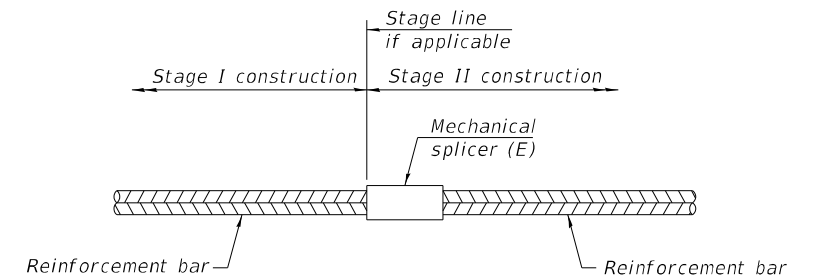


**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required

Notes:  
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB190-24\_Var\_District 2\WQ#4 IL 84 Culverts\Sheets\043-1117\_South\0200915-0431117-508-BarSplicer.dgn

BSD-1

1-1-2020



USER NAME =	DESIGNED - MAA, EBK	REVISED -
	CHECKED - MI, RTB	REVISED -
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE = 3/15/2022	DATE - 03/17/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS  
 S.N. 043-1117

SHEET S1-09 OF S1-10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	45
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				



# SOIL BORING LOG

Date 12/10/14

ROUTE FAP 308 (IL 84) DESCRIPTION P92-009-15 64K62 Box Culvert, 2 1/4 miles south of Hanover LOGGED BY W. Garza

SECTION (103,104)CR LOCATION Hanover Twp. - 27NE, SEC., TWP. 26N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1024 Latitude Longitude \_\_\_\_\_ Northing Easting \_\_\_\_\_  
 Station 144+10

DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft
				597.90						597.90	
				584.9						578.4	
				578.4						578.4	
				599.40						599.40	
				597.40						597.40	
				595.90						595.90	
				593.40						593.40	
				590.90						590.90	
				588.40						588.40	
				585.90						585.90	
				583.40						583.40	
				580.90						580.90	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

Date 12/11/14

ROUTE FAP 308 (IL 84) DESCRIPTION P92-009-15 64K62 Box Culvert, 2 1/4 miles south of Hanover LOGGED BY W. Garza

SECTION (103,104)CR LOCATION Hanover Twp. - 27NE, SEC., TWP. 26N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1024 Latitude Longitude \_\_\_\_\_ Northing Easting \_\_\_\_\_  
 Station 144+10

DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft
				597.90						597.90	
				591.3						567.3	
				567.3						567.3	
				610.80						610.80	
				608.80						608.80	
				607.30						607.30	
				604.80						604.80	
				602.30						602.30	
				599.80						599.80	
				597.30						597.30	
				594.80						594.80	
				592.30						592.30	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

Date 12/11/14

ROUTE FAP 308 (IL 84) DESCRIPTION P92-009-15 64K62 Box Culvert, 2 1/4 miles south of Hanover LOGGED BY W. Garza

SECTION (103,104)CR LOCATION Hanover Twp. - 27NE, SEC., TWP. 26N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1024 Latitude Longitude \_\_\_\_\_ Northing Easting \_\_\_\_\_  
 Station 144+10

DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	DEPTH H S Qu T	B L O W S	U C S Qu T	M O I S T	Surface Water Elev. Stream Bed Elev.	ft
				597.90						597.90	
				591.3						567.3	
				567.3						567.3	
				610.80						610.80	
				569.80						569.80	
				567.30						567.30	
				564.80						564.80	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
 BBS, from 137 (Rev. 8-99)

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB190-24\_Var\_District\_2\WQ#4 IL 84\_Culverts\Sheets\043-1117\_South\0200915-0431117-509-Borings.dgn  
 3/15/2022 2:56:31 PM



USER NAME =	DESIGNED - MAA, EBK	REVISED -
PLOT SCALE =	CHECKED - MI, RTB	REVISED -
PLOT DATE = 3/15/2022	DRAWN - MAA, EBK	REVISED -
	DATE - 03/17/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
 S.N. 043-1117

F.A.P. RTE. 308	SECTION (103,104)CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 46
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

SHEET S1-10 OF S1-10 SHEETS

Bench Mark: J0D84-1A Horiz/Vert Monument GPS Base Location N 2030419.88 E 2269958.64 Elevation 633.28  
 Existing S.N. 043-1021 was originally constructed in 1930 as a cast-in-place single box culvert  
 Structure: 6'-0" wide and 6'-0" high and 86'-2" long. The existing Culvert will be filled/ abandoned  
 and replaced with a new reinforced concrete precast 7'-0" diameter pipe culvert with  
 a length of 169'-1½".  
 Salvage: No salvage.  
 Traffic shall be detoured during construction.

**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design  
 Specifications, 9th Edition

**LOADING HL-93**  
 Allow 50 lb/sq. ft. for  
 future wearing surface.

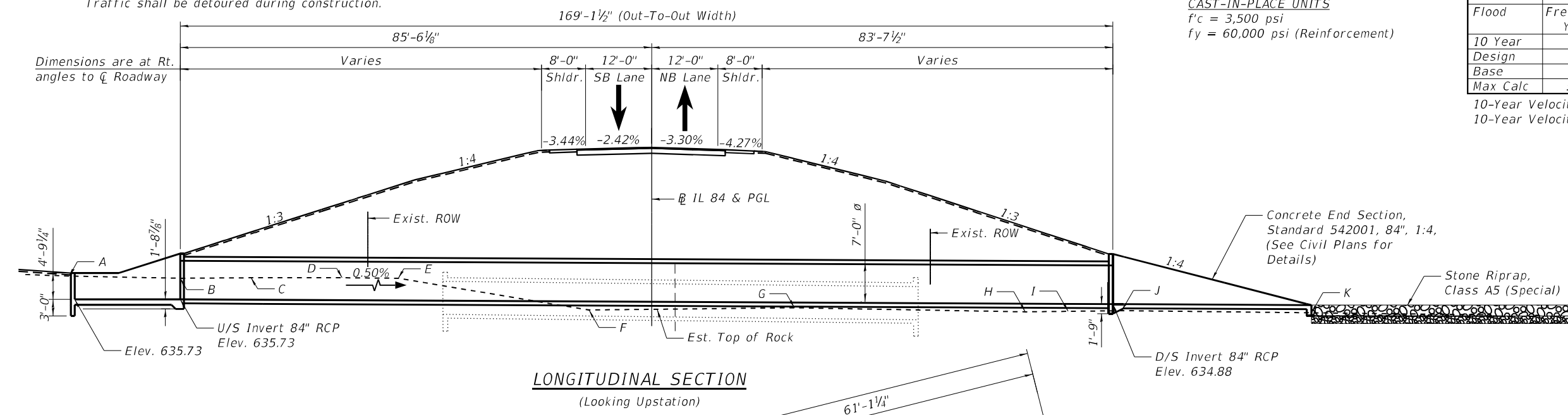
**DESIGN STRESSES**  
**PRECAST UNITS**  
 f'c = 5,000 psi  
 fy = 65,000 psi (Reinforcement)  
**CAST-IN-PLACE UNITS**  
 f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)

**WATERWAY INFORMATION TABLE**

Drainage Area = 61.0 acres  
 Existing Low Grade Elev. 662.29 ft at Sta. 382+41  
 Proposed Low Grade Elev. 662.29 ft at Sta. 382+41

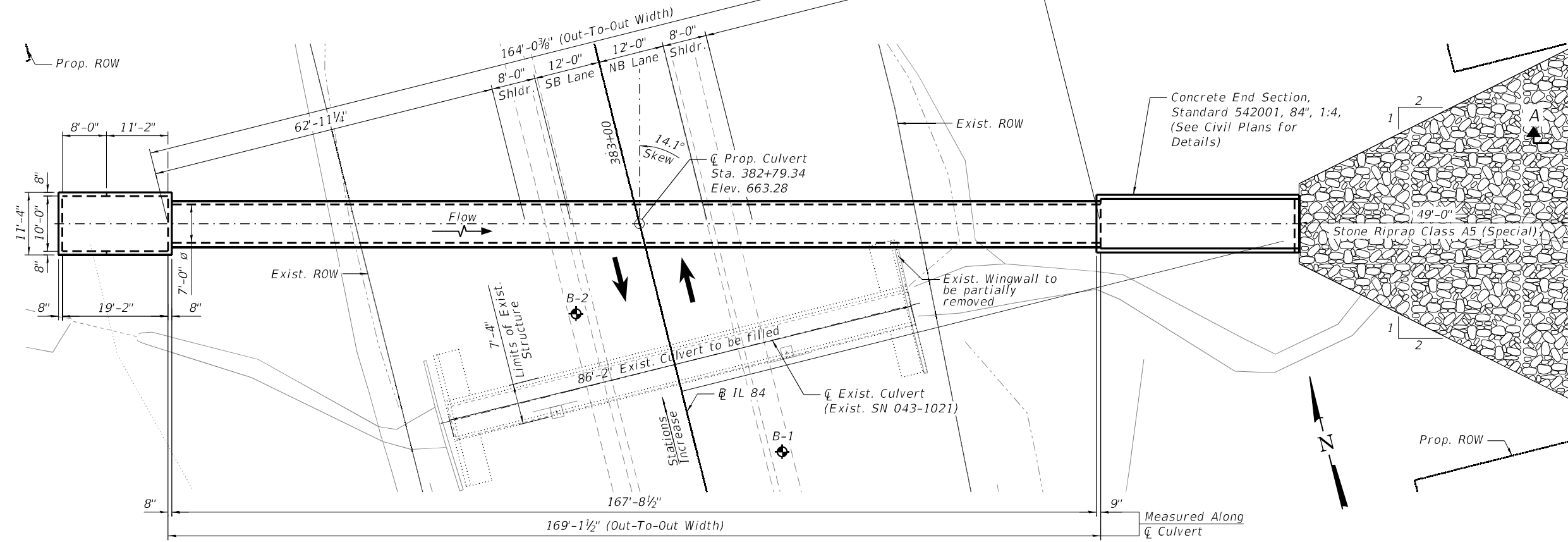
Flood	Frequency Year	Existing		Proposed	
		Discharge (cfs)	H.W.E. (ft)	Discharge (cfs)	H.W.E. (ft)
10 Year	10	48.1	642.89	48.5	641.23
Design	50	118.1	644.61	118.8	641.82
Base	100	159.4	645.45	161.1	642.12
Max Calc	500	323.5	648.61	324.7	643.59

10-Year Velocity through Existing Culvert = 10.45 ft/s  
 10-Year Velocity through Proposed Culvert = 8.04 ft/s



**ESTIMATED BEDROCK ELEVATION TABLE**

Location	Elevation (ft)
A	639.96
B	639.56
C	639.66
D	639.66
E	639.56
F	633.80
G	634.20
H	633.48
I	633.58
J	633.68
K	633.29



**LEGEND:**

Soil Boring

Stone Riprap

**NOTE:**  
 1. For General Notes, Index of sheets, Total Bill of Material, Profile Grade and Section A-A, See Sheet S2-02.

SIGNED: *Moussa A. Issa*  
 DR. MOUSSA A. ISSA, S.E. IL. LIC. NO. 081-005738  
 EXPIRES 11-30-2022  
 DATE: 03/17/2022  
 FOR SHEETS S2-01 THRU S2-05 (TOTAL OF 5 SHEETS)

**GENERAL PLAN AND ELEVATION**  
**IL 84 OVER UNNAMED TRIBUTARY**  
 FAP RTE 308 (IL 84)  
 SEC (103, 104) CR  
 JO DAVIESS COUNTY  
 STATION 382+79.34  
 S.N. 043-1118

MODEL: Default  
 FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District\_2\W0#4 IL 84 Culverts\Sheets\043-1118 North\200915-0431118-501-GPE.dgn  
 3/15/2022 10:34:14 AM



USER NAME =	DESIGNED - MAA, EBK	REVISED -
CHECKED - MI, RTB	REVISIONS -	
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE = 3/15/2022	DATE - 03/17/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



S.N. 043-1118

SHEET S2-01 OF S2-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	47
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES:**

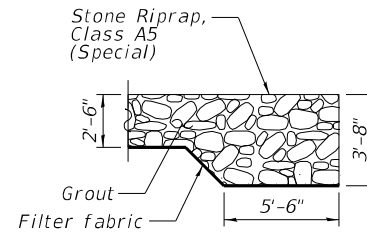
1. It will be the responsibility of the Contractor to direct the stream flow during construction in order to keep the Construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of the Pipe Culverts, Class A, Type 1 84".
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. The limits and quantities of removal and replacement are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

**INDEX OF SHEETS**

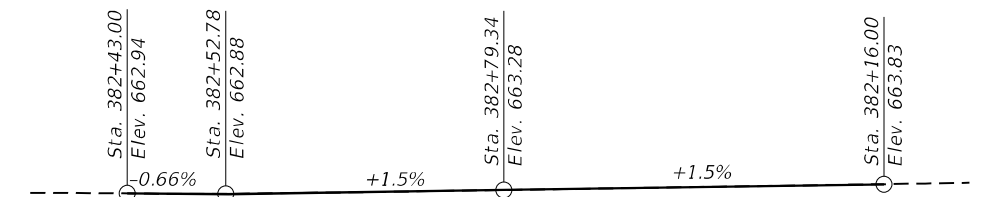
- S2-01 General Plan and Elevation
- S2-02 Gen. Notes, Index of Sheets & Total Bill of Material
- S2-03 Culvert Drop Box Sections and Details (Sheet 1 of 2)
- S2-04 Culvert Drop Box Sections and Details (Sheet 2 of 2)
- S2-05 Soil Boring Logs

**TOTAL BILL OF MATERIAL**

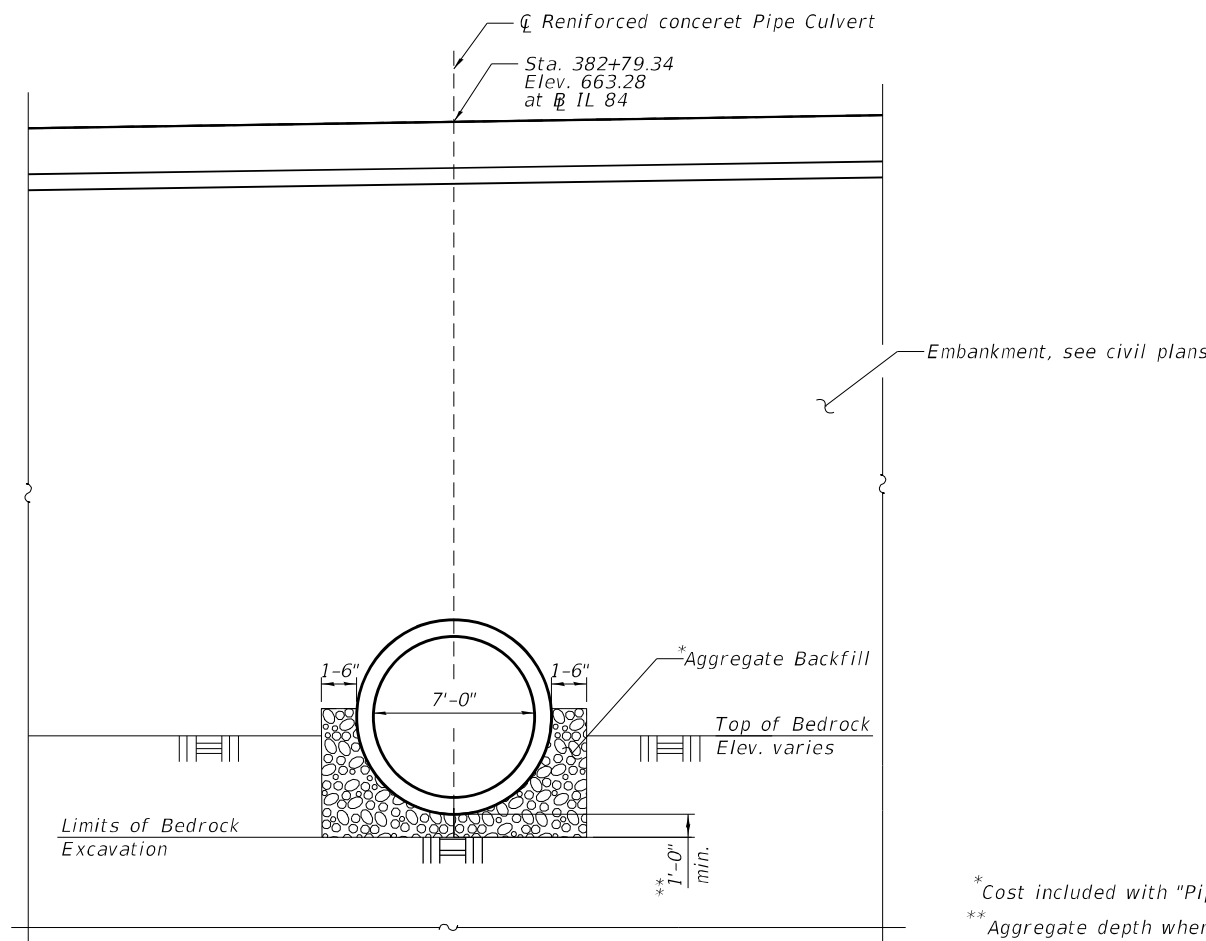
Item	Unit	Total
Rock Excavation	Cu Yd	406
Filter Fabric	Sq Yd	213
Concrete Removal	Cu Yd	3.1
Name Plates	Each	1
Pipe Culverts, Class A, Type 1	Foot	170
Concrete End Section, Standard 542001, 84", 1:4	Each	1
Drop Box No.1	Each	1
Stone Riprap, Class A5 (Special)	Sq Yd	213
Filling Existing Culverts	Each	1



**Section A-A**



**PROFILE GRADE**  
(Along IL 84)



**SECTION THRU BARREL**

STATION 382+79.34  
BUILT 202 BY  
STATE OF ILLINOIS  
F.A.P. RTE 308  
(IL 84)  
SECTION (103,104)CR  
LOADING HL-93  
STRUCTURE NO. 043-1118

**NAME PLATE**  
See Std. 515001

\* Cost included with "Pipe Culverts, Class A, Type 1 84" "  
\*\* Aggregate depth where Rock Excavation is required, 4" otherwise.

MODEL: Default  
FILE NAME: P:\1902-791\_PTB1902-24\_Var\_District\_2\WO#4 IL 84\_Culverts\Sheets\043-1118\_North\200915-0431118-502-GenNotes.dgn



USER NAME =	DESIGNED - MAA, EBK	REVISED -
	CHECKED - MI, RTB	REVISED -
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE =	DATE - 03/17/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GEN. NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL  
S.N. 043-1118

SHEET S2-02 OF S2-05 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	48
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				









# SOIL BORING LOG

Date 1/25/12

ROUTE FAP 308 (IL 84) DESCRIPTION P92-009-15 64K62 Box Culvert on IL 84, .9 m. N. of S. Blackjack Road LOGGED BY By. Wetzell

SECTION (103,104)CR LOCATION Hanover Twp. - 4SW, SEC. , TWP. 26N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Existing 043-1021 Latitude Longitude \_\_\_\_\_ Northing Easting \_\_\_\_\_  
Proposed 043-1118

BORING NO. B-1  
Station 20' South  
Offset 15.00ft E CL  
Ground Surface Elev. 662.70 ft

DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Description	ELEV. (ft)	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Description	ELEV. (ft)
				VERY SOFT brown SILTY LOAM						MEDIUM gray SILTY CLAY LOAM (continued)	641.70
		0.1 P	21.0			2	0.6	27.0			
660.70				STIFF tan SILTY LOAM						STIFF gray SILTY CLAY LOAM with ORGANICS	
	4					0					
	6	1.3 P	17.0			1	1.6 P	23.0			
659.20	9					5					
											638.70
				STIFF tan SILTY LOAM						MEDIUM orange weathered LIMESTONE	
	5					2					
	5	1.8 P	18.0			4					
656.70	6					13					
											636.70
				VERY STIFF tan SILTY LOAM						VERY DENSE tan weathered LIMESTONE	
	2					100/1*					
	4	2.0 P	19.0								
654.20	6										634.20
										End of Boring	
				MEDIUM tan SILTY LOAM							
	2										
	5	0.7 B	19.0								
651.70	7										
				MEDIUM tan SILTY LOAM							
	1										
	3	0.6 B	20.0								
649.20	4										
				MEDIUM gray SILTY LOAM							
	1										
	3	0.6 P	25.0								
646.70	5										
				MEDIUM gray SILTY CLAY LOAM							
	0										
	2	0.8 B	28.0								
644.20	3										
	0										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

Date 1/25/12

ROUTE FAP 308 (IL 84) DESCRIPTION P92-009-15 64K62 Box Culvert on IL 84, .9 m. N. of S. Blackjack Road LOGGED BY By. Wetzell

SECTION (103,104)CR LOCATION Hanover Twp. - 4SW, SEC. , TWP. 26N, RNG. 2E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Existing 043-1021 Latitude Longitude \_\_\_\_\_ Northing Easting \_\_\_\_\_  
Proposed 043-1118

BORING NO. B-2  
Station 14' North  
Offset 15.00ft W CL  
Ground Surface Elev. 662.30 ft

DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Description	ELEV. (ft)	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Description	ELEV. (ft)
				VERY SOFT brown SILTY LOAM						MEDIUM gray SILTY CLAY LOAM (continued)	641.30
		0.2 P				2	0.5 P				
660.30				VERY STIFF tan SILTY LOAM						MEDIUM gray SILTY CLAY LOAM	
	4					1					
	6	2.5 B	0.7			2	0.7 B				
658.80	7					4					
											638.80
				STIFF tan SILTY LOAM						MEDIUM gray SILTY CLAY LOAM	
	4					0					
	5	1.5 P	0.7			0	0.7 B				
656.30	7					4					
											636.30
				VERY STIFF tan SILTY LOAM						VERY DENSE tan weathered LIMESTONE	
	1					100/3*					
	3	2.5 B									
653.80	6										633.80
										End of Boring	
				STIFF tan SILTY CLAY LOAM							
	2										
	2	1.2 B									
651.30	4										
				MEDIUM tan SILTY CLAY LOAM							
	1										
	3	0.6 S									
648.80	5										
				MEDIUM tan SILTY CLAY LOAM							
	1										
	3	0.8 P									
646.30	4										
				SOFT gray SILTY CLAY LOAM							
	1										
	5	0.5 P									
643.80	4										
	1										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: Default  
FILE NAME: P:\1902-791\_PTB\1902-791\_Var\_District\_2\WO#4\_IL\_84\_Culverts\Sheets\043-1118\_North\ID200915-0431118-505-Borings.dgn



USER NAME =	DESIGNED - MAA, EBK	REVISED -
CHECKED - MI, RTB	REVISED -	
PLOT SCALE =	DRAWN - MAA, EBK	REVISED -
PLOT DATE =	DATE - 03/17/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

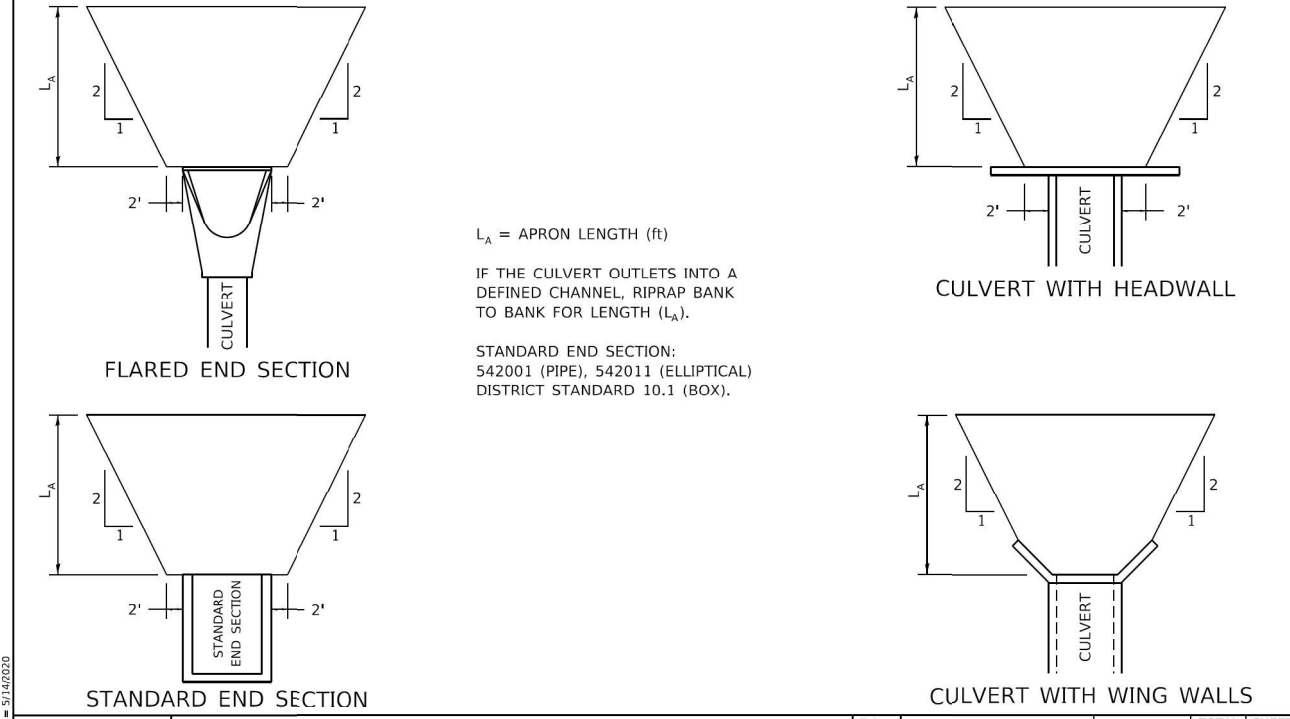
SOIL BORING LOGS  
S.N. 043-1118

F.A.P. RTE. 308	SECTION (103,104)CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 51
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

SHEET S2-05 OF S2-05 SHEETS

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: \\s2p2.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn  
 ...\\s2p2.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn  
 ...\\s2p2.baxwood.com\Projects\Crystal Lake\DOT180044\2r Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn

# RIPRAP AT END SECTIONS



FILE NAME: District 2 Standard  
 PLOT DATE: 5/14/2020

REVISED - 7-13-16	<b>REGION 2 / DISTRICT 2 STANDARD</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 11-12-14									
REVISED - 2-10-14					CONTRACT NO.				
REVISED -					SCALE: 1:5455 ' / In.	SHEET	OF	SHEETS	STA.

## RIPRAP AT END SECTIONS 19.4



USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-IDOT STD5.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE GUTTER, TYPE A (SPECIAL) (IDOT STD 36.4)**

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

BORP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	52
CONTRACT NO. 64K62				
ILLINOIS    FED. AID PROJECT    FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 JHarris Default  
 3-17-2022  
 FILE NAME: \\g2p.baxwood.com\Projects\Crystal Lake\IDOT\180044\Var Ph I\I D2\40-Design\WO 4-Culverts\CAD\CADsheets\I200915-sht-IDOT STD5.dgn  
 ...\\p\d\driv\p\d\N\LAYERS\sw\p\ctg  
 ...\\CAD\p\l\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\IDOT\180044-Var Ph I\I D2\40-Design\WO 4-Culverts\CAD\CADsheets\I200915-sht-IDOT STD5.dgn



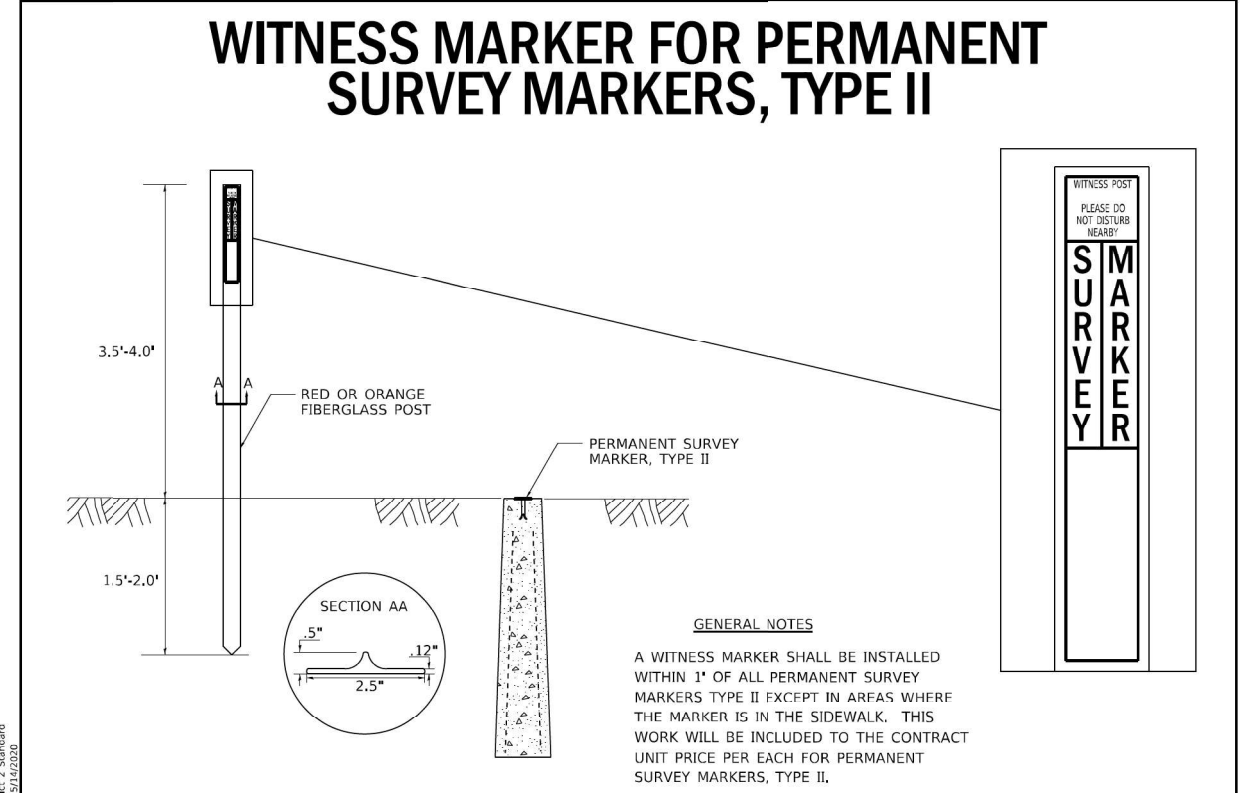
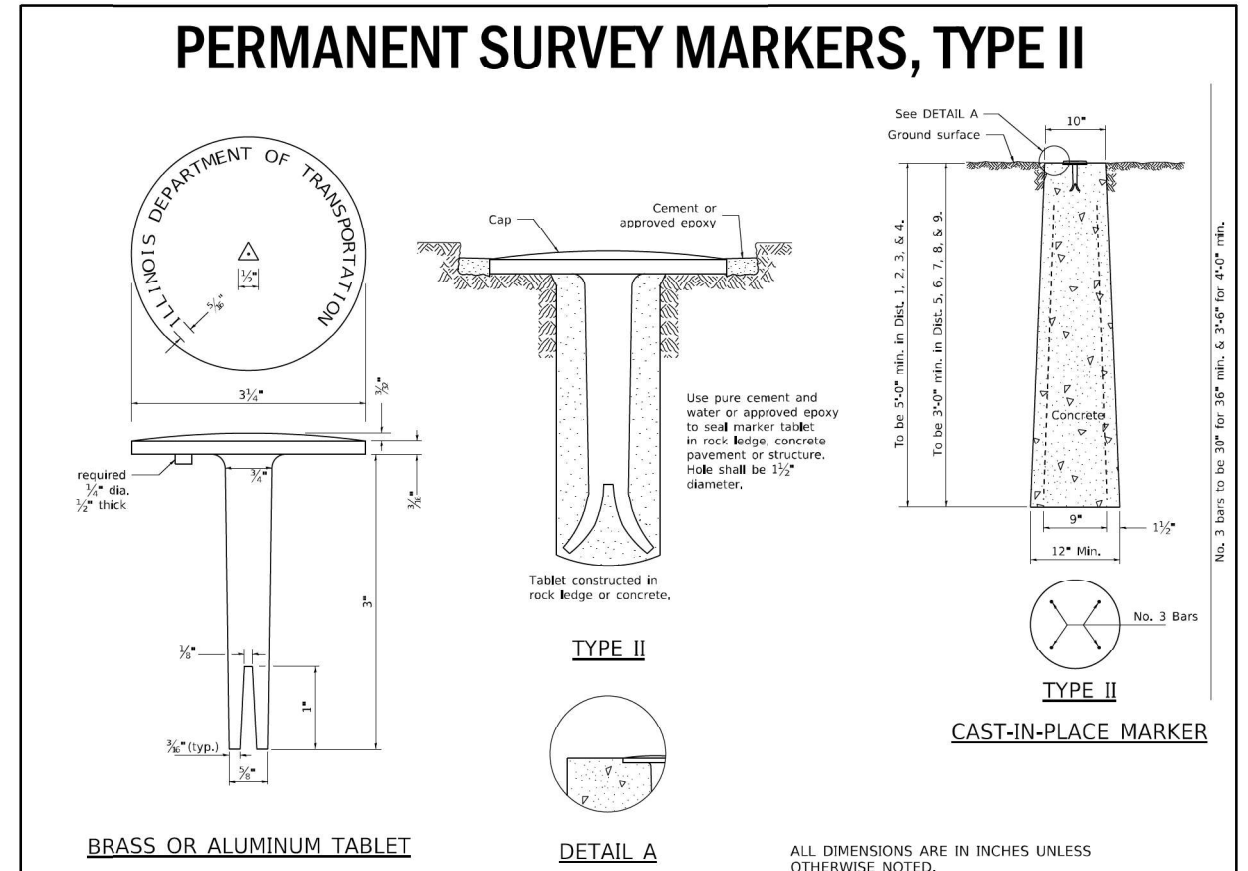
USER NAME = jharris	DESIGNED JSH	REVISED -
	DRAWN KAR	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED DTH	REVISED -
PLOT DATE = 3-17-2022	DATE = 3-17-2022	FILE = D200915-sht-IDOT STD5.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STANDARD INLET FOR TYPE A GUTTER (SPECIAL) (IDOT STD 20.2)**  
**PERMANENT SURVEY MARKERS, TYPE II (IDOT STD 66.2)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64K62	

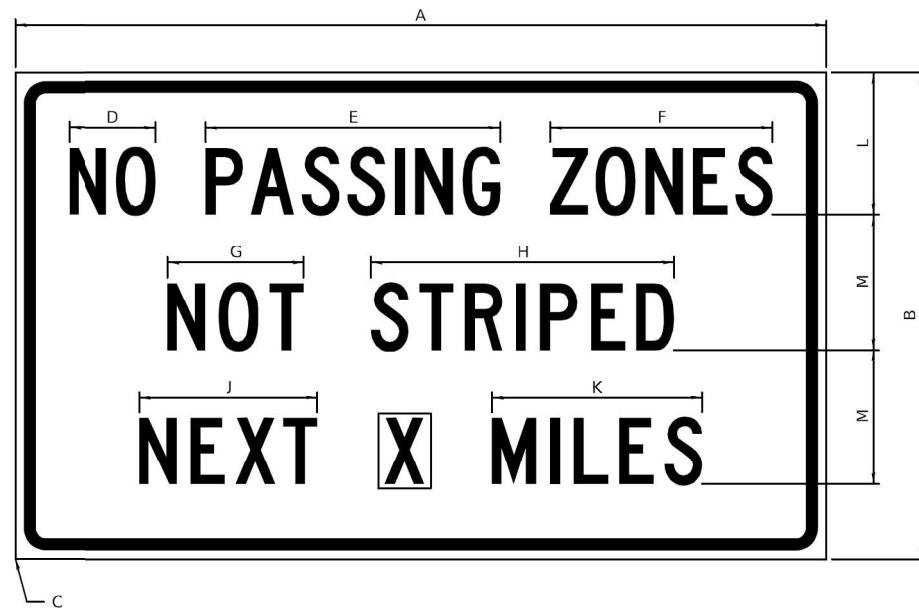


REVISED - 6-27-14	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 10-14-11					
REVISED -	<b>REGION 2 / DISTRICT 2 STANDARD</b>				
REVISED -	SCALE: 2,000' / in. SHEET OF SHEETS STA. TO STA.				
	ILLINOIS FED. AID PROJECT				

**PERMANENT SURVEY MARKERS, TYPE II 66.2**

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100**



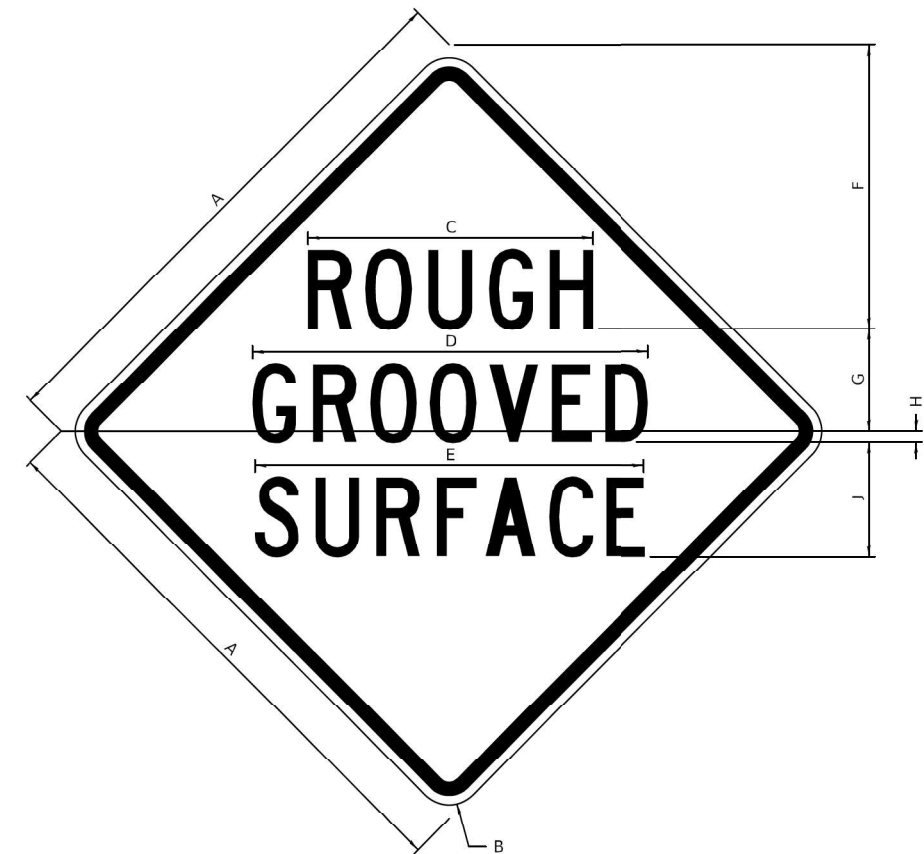
COLOR      LEGEND AND BORDER BACKGROUND      BLACK ORANGE      NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**ILLINOIS STANDARD W8-I107**



COLOR      LEGEND AND BORDER BACKGROUND      BLACK ORANGE      NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00	

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

**GENERAL NOTES**

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME: District 2 Standard

USER NAME = jharris	DESIGNED = JSH	REVISED = 3-02-16
PLOT SCALE = 1,0000' / 1"	DRAWN = KAR	REVISED =
PLOT DATE = 5/14/2020	CHECKED = DTH	REVISED =
	DATE =	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

**WORK ZONE SIGN DETAILS SHEET 1 OF 4 34.1**

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: \\s222.baxwood.com\Projects\Crystal Lake\IDOT\180044\Var Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn



USER NAME = jharris	DESIGNED = JSH	REVISED =
PLOT SCALE = 2,0000' / 1"	DRAWN = KAR	REVISED =
PLOT DATE = 3-17-2022	CHECKED = DTH	REVISED =
	DATE = 3-17-2022	FILE = D200915-sht-IDOT STD5.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WORK ZONE SIGN DETAILS (IDOT STD 34.1)**

SCALE: NTS SHEET 1 OF 4 SHEETS STA. TO STA.

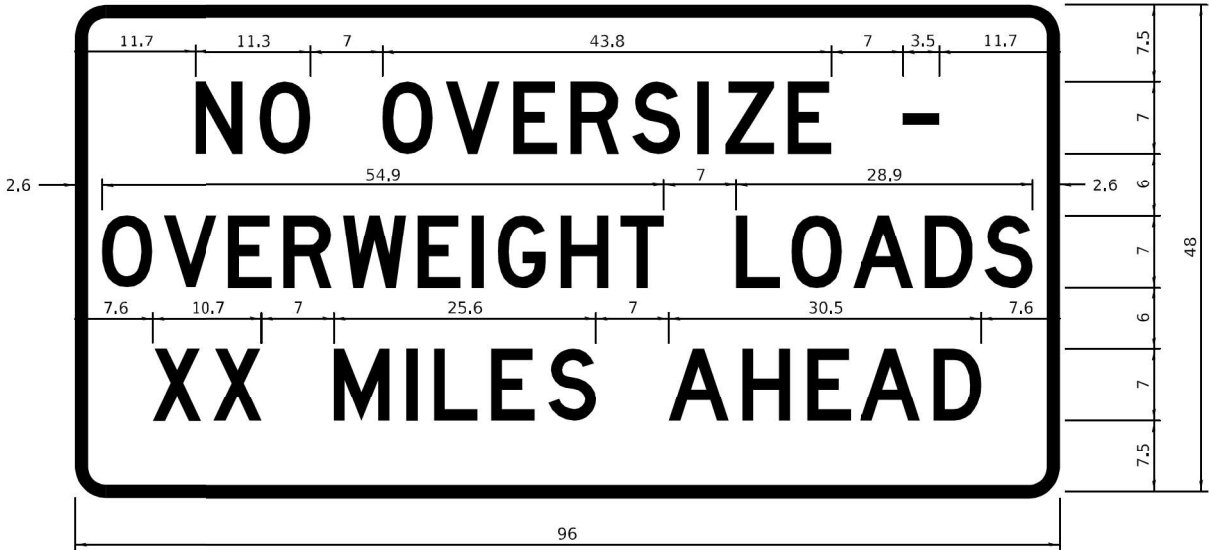
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	54
CONTRACT NO. 64K62				

ILLINOIS FED. AID PROJECT FPN-PP A35(192)



# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

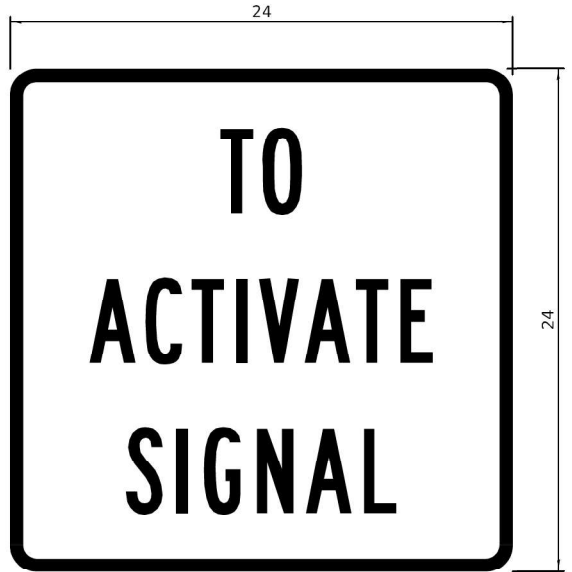
N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

## STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME: District 2 Standard	USER NAME: jharris	DESIGNED: JSH	REVISED: -	3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE: 1,000' / in.	CHECKED: DTH	REVISED: -				SCALE:	SHEET 3 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO.	
	PLOT DATE: 3/14/2020	DATE: 3-17-2022	REVISED: -				ILLINOIS FED. AID PROJECT					
							WORK ZONE SIGN DETAILS SHEET 3 OF 4 34.1					



USER NAME: jharris	DESIGNED: JSH	REVISED: -
DRAWN: KAR	REVISED: -	
CHECKED: DTH	REVISED: -	
DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn	



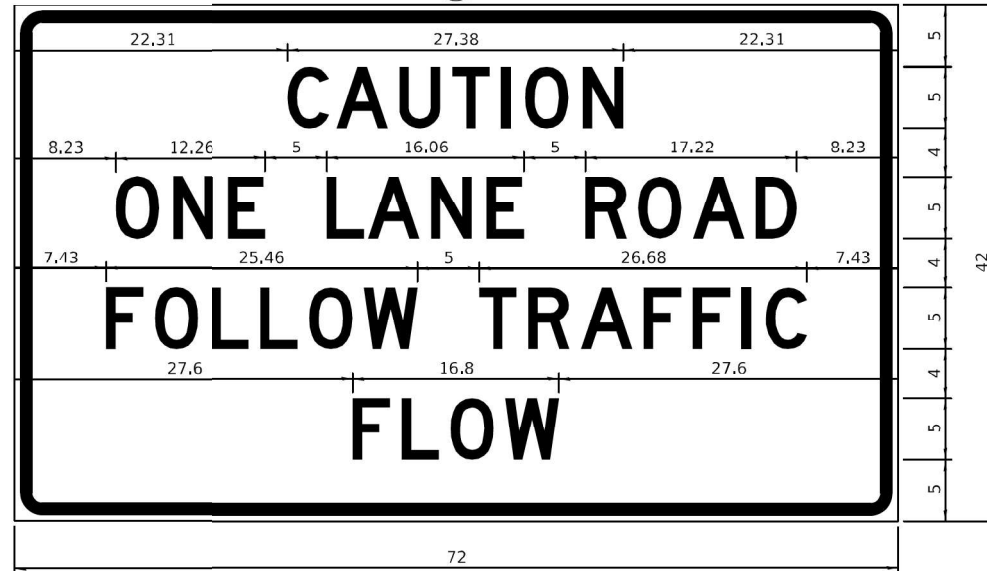
SCALE: NTS	SHEET 3 OF 4 SHEETS	STA.	TO STA.
------------	---------------------	------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	56
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris - default  
 FILE NAME: C:\p2\ba\wood\com\Project\Crystal Lake\IDOT\180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn  
 ...\\p2\ba\wood\com\Project\Crystal Lake\IDOT\180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn  
 ...\\p2\ba\wood\com\Project\Crystal Lake\IDOT\180044\Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn

**ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent: [CAUTION] D; [ONE LANE ROAD] D; [FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

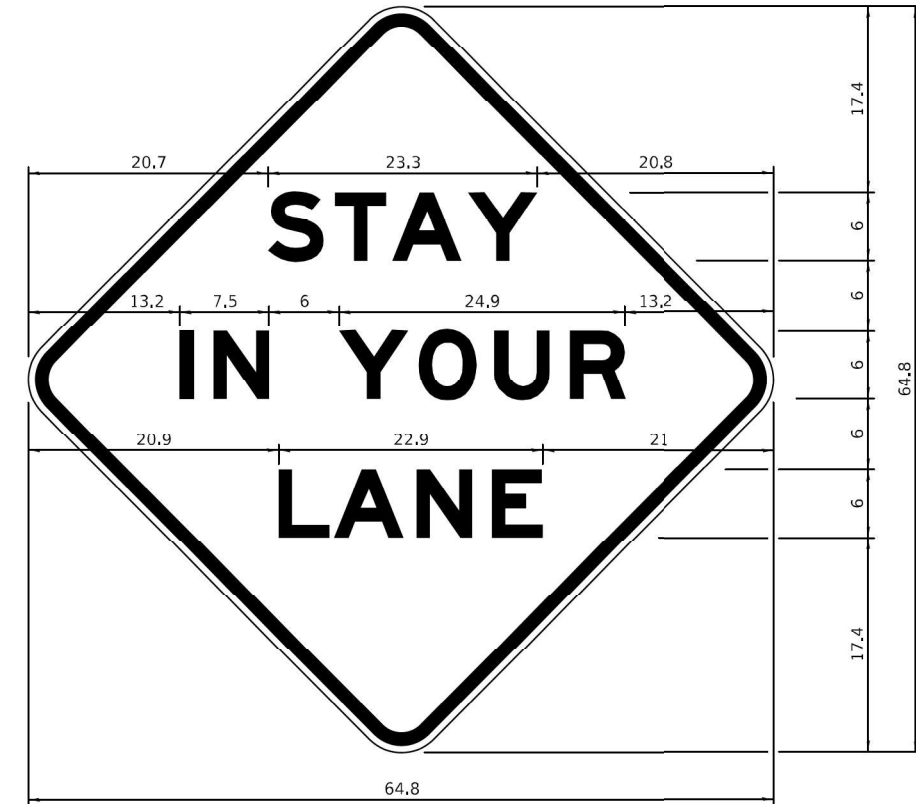
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

**STAY IN YOUR LANE**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent: "STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

**GENERAL NOTES**

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME: District 2 Standard	USER NAME: IDOT/District 2	DESIGNED: JSH	REVISED: 3-02-16
		DRAWN: KAR	REVISED: -
	PLOT SCALE: 1,0000' / in.	CHECKED: DTH	REVISED: -
	PLOT DATE: 5/14/2020	DATE: -	REVISED: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

**WORK ZONE SIGN DETAILS SHEET 4 OF 4 34.1**

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WORK ZONE SIGN DETAILS (IDOT STD 34.1)

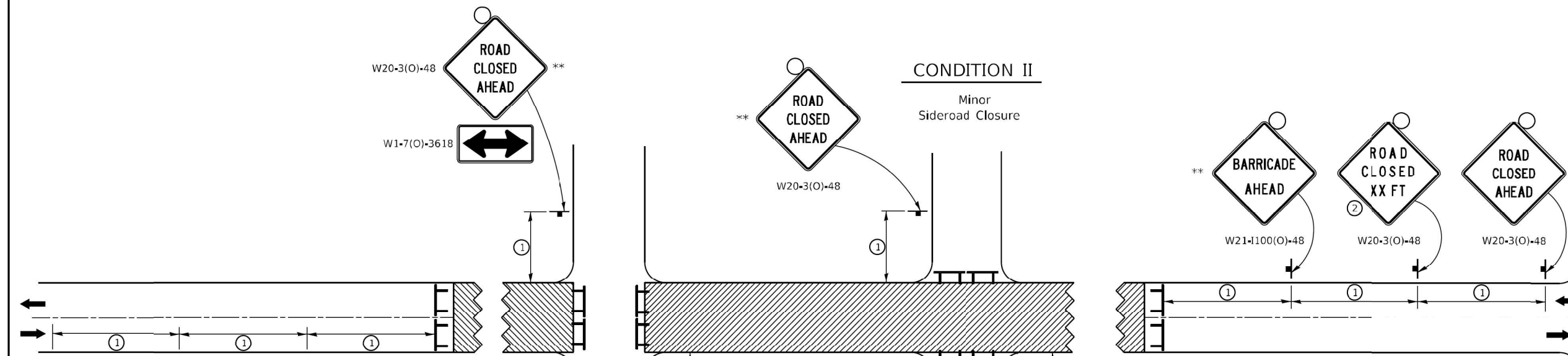
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	57
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN#H35(192)				

SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.

USER NAME: jharris	DESIGNED: JSH	REVISED: -
	DRAWN: KAR	REVISED: -
PLOT SCALE: 2,0000' / in.	CHECKED: DTH	REVISED: -
PLOT DATE: 3-17-2022	DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn



# TRAFFIC CONTROL FOR ROAD CLOSURE



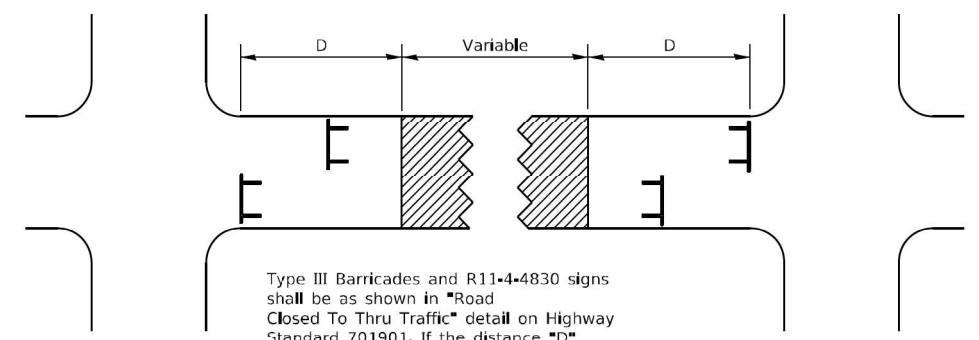
①

SIGN SPACING TABLE	
Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

②

SIGN LEGEND	
Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

## ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

## SYMBOLS

- Work area
- Type III Barricade with Flashers
- Sign with flashing light

## GENERAL NOTES

- Longitudinal dimensions may be adjusted to fit field conditions.
- Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.
- \*\* Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.
- All dimensions are in inches unless otherwise shown.

## TYPICAL APPLICATION FOR ROAD CLOSURE

FILE NAME: District 2 Standard	USER NAME: jharris	DESIGNED: JSH	REVISOR: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DESIGNED: JSH	DRAWN: KAR	REVISOR: -							
	PLOT SCALE: 3,000' / in.	CHECKED: DTH	REVISOR: -							
	PLOT DATE: 3-17-2022	DATE: 3-17-2022	REVISOR: -							



USER NAME: jharris	DESIGNED: JSH	REVISOR: -
DRAWN: KAR	REVISOR: -	
CHECKED: DTH	REVISOR: -	
DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

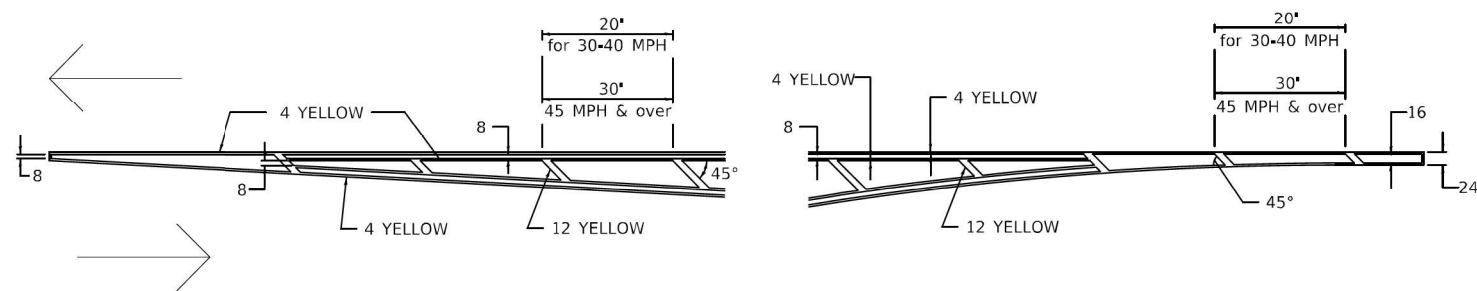
TRAFFIC CONTROL FOR ROAD CLOSURE (IDOT STD 40.1)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	58
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN-HPP A35(192)				

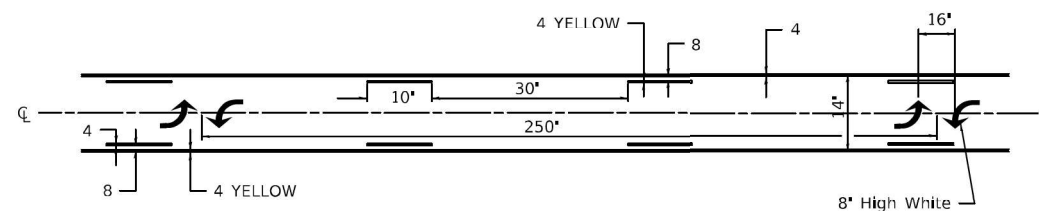
COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph. I-I D2040-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn  
 FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph. I-I D2040-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

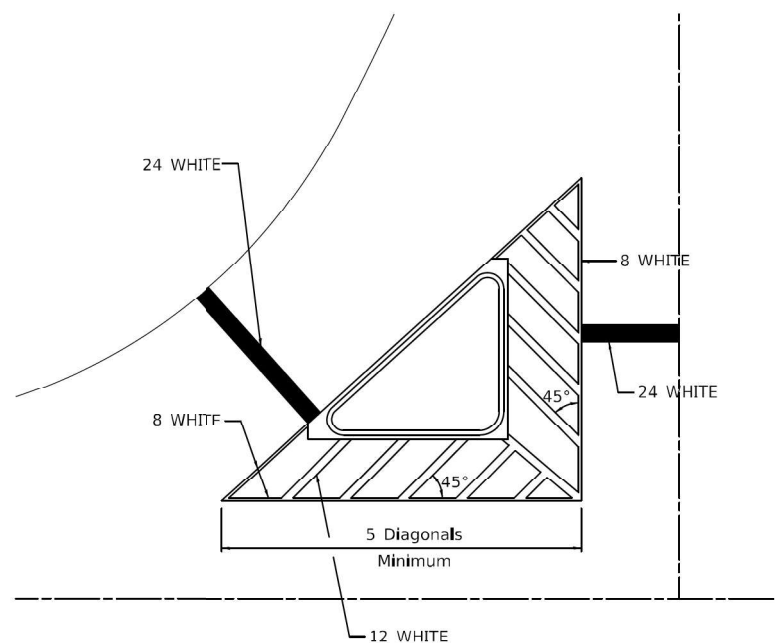


## MEDIAN PAVEMENT MARKING



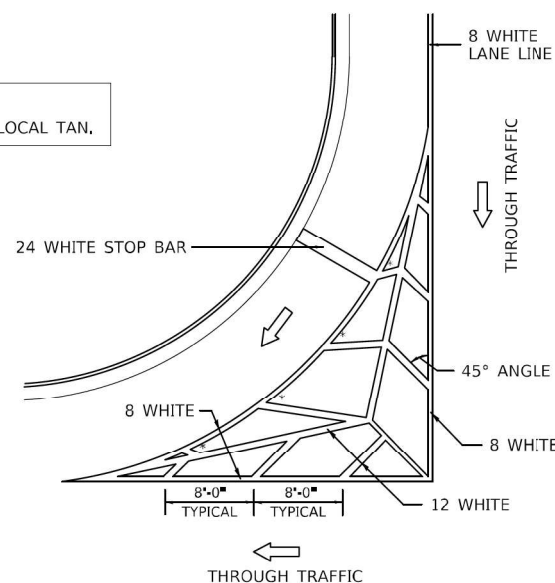
\*\* ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



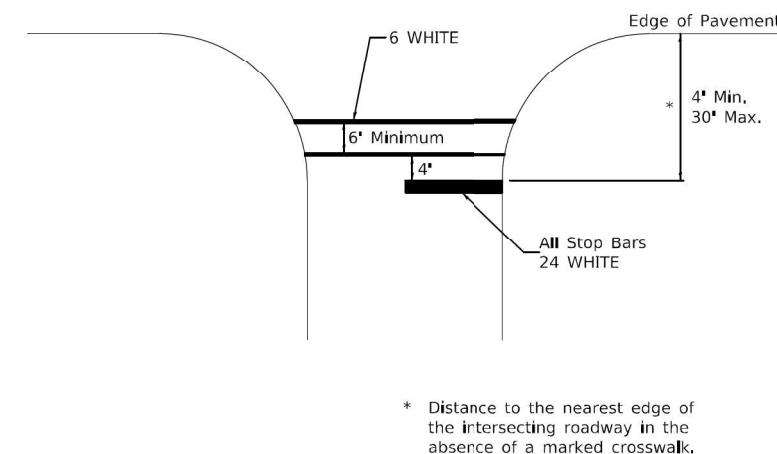
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



FILE NAME: District 2 Standard	USER NAME: IDOT/District 2	DESIGNED: -	REVISED: 6-27-14
		DRAWN: -	REVISED: 3-05-12
	PLOT SCALE: 1,000' / 1" =	CHECKED: -	REVISED: -
	PLOT DATE: 5/14/2020	DATE: -	REVISED: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
LICENSE NO. - 18-001121 - EXPIRES 4/30/2023  
jrharris - default  
FILE NAME: \\g:\baxwood\com\Project\Crystal Lake\IDOT\180044\Var Ph. I\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn

**BAXTER & WOODMAN**  
Consulting Engineers

USER NAME: jrharris	DESIGNED: JSH	REVISED: -
	DRAWN: KAR	REVISED: -
	CHECKED: DTH	REVISED: -
	DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

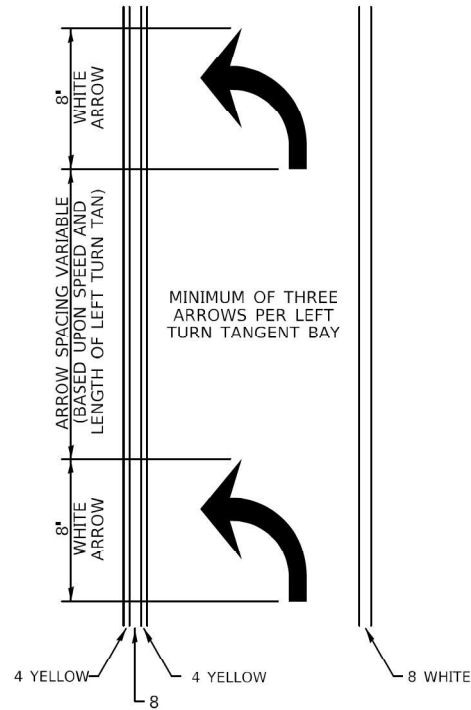
TYPICAL PAVEMENT MARKINGS (IDOT STD 41.1)

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	59
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

# TYPICAL PAVEMENT MARKINGS

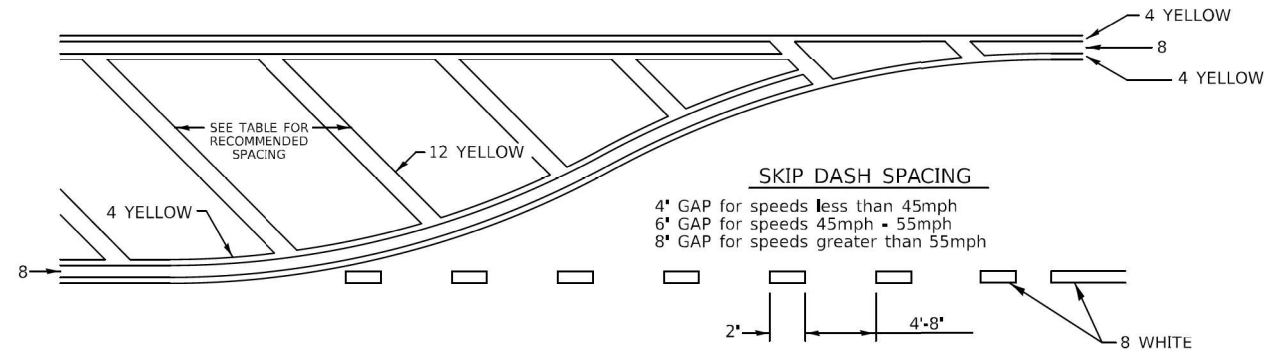
## ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

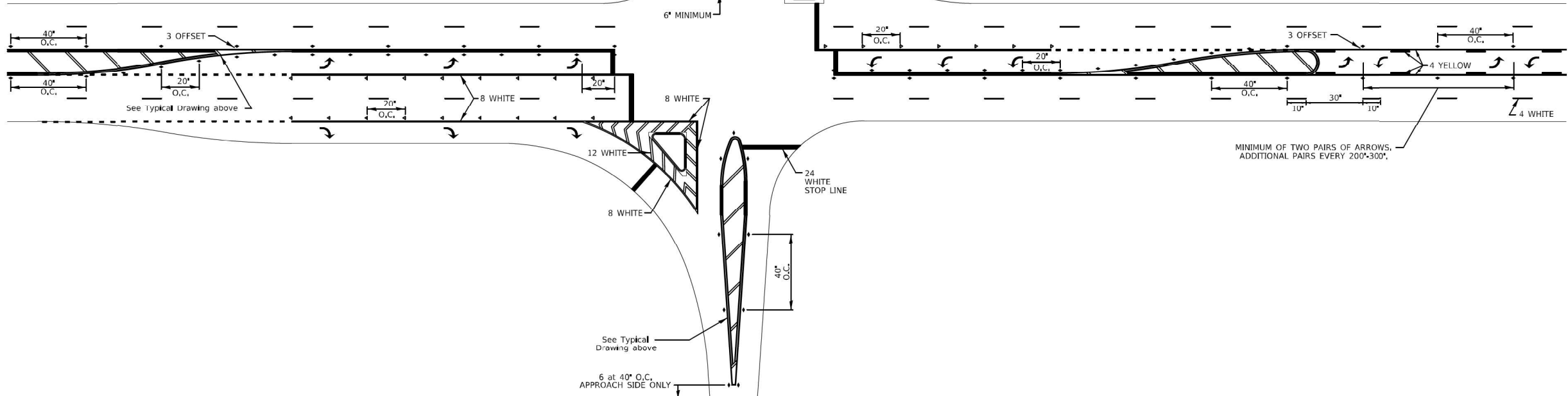
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME: District 2 Standard	USER NAME: jharris	DESIGNED: JSH	REVISOR: -
		DRAWN: KAR	REVISOR: -
		CHECKED: DTH	REVISOR: -
		DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris  
 FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT180044\Var Ph I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\ID200915-sht-IDOT STD5.dgn



USER NAME: jharris	DESIGNED: JSH	REVISOR: -
	DRAWN: KAR	REVISOR: -
	CHECKED: DTH	REVISOR: -
	DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn

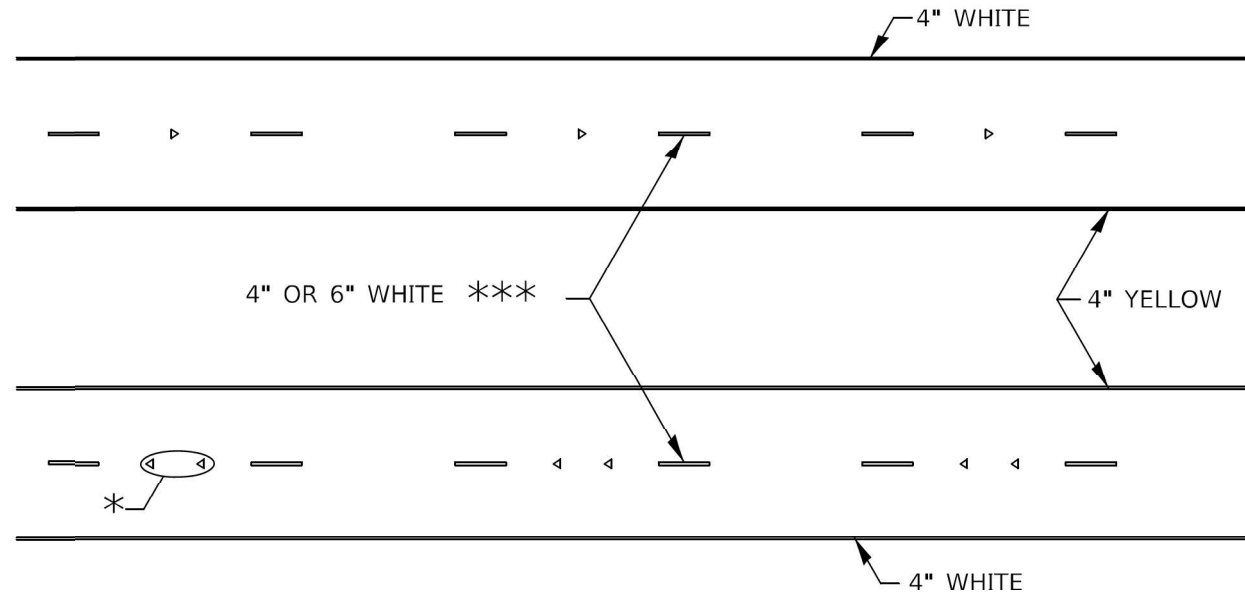
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS (IDOT STD 41.1)

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

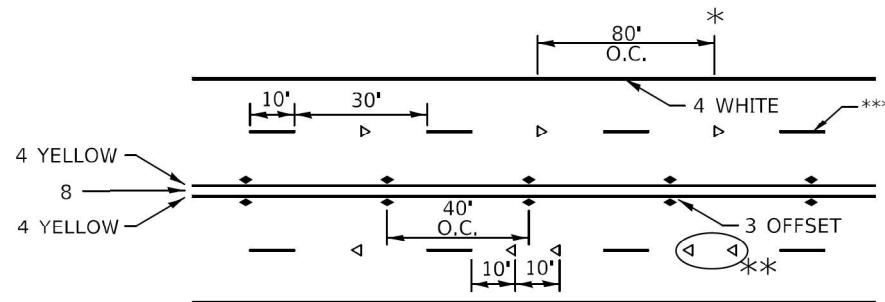
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	60
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN-PP A35(192)				

# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000.

## MULTI-LANE / DIVIDED



\* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

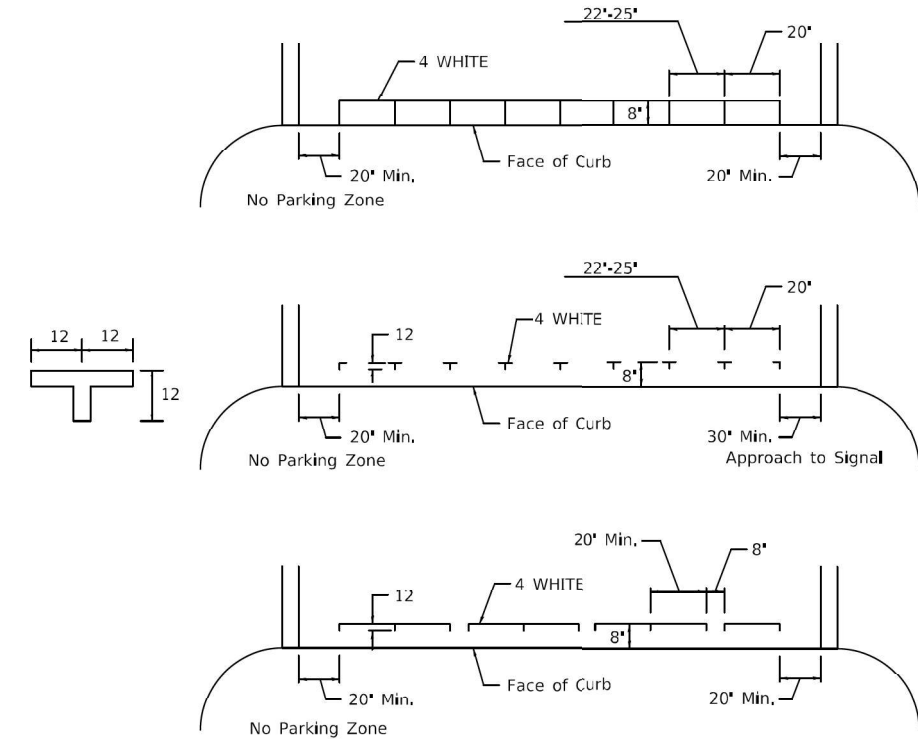
\*\* USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000

\*\*\* CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

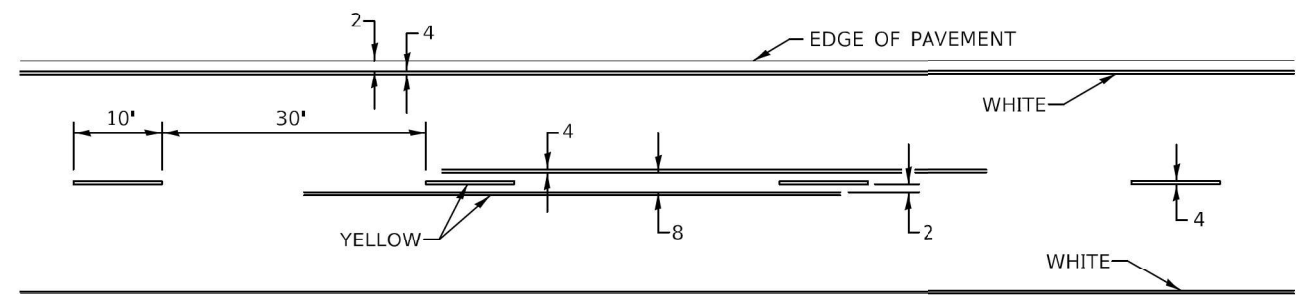
## MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PARKING SPACING



## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



## SYMBOLS

FILE NAME: District 2 Standard	USER NAME: IDOT/District 2	DESIGNED: -	REVISED: 6x27+14
		DRAWN: -	REVISED: 8x27+13
	PLOT SCALE: 1,000' / 1"	CHECKED: -	REVISED: 11x28+12
	PLOT DATE: 5/14/2020	DATE: -	REVISED: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1

COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
JHarris  
FILE NAME: \\baxwood.com\Projects\Crystal Lake\DOT180044\2\ Ph. I-I D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-IDOT STD5.dgn

**BAXTER & WOODMAN**  
Consulting Engineers

USER NAME: jharris	DESIGNED: JSH	REVISED: -
	DRAWN: KAR	REVISED: -
PLOT SCALE: 2,000' / 1"	CHECKED: DTH	REVISED: -
PLOT DATE: 3-17-2022	DATE: 3-17-2022	FILE: D200915-sht-IDOT STD5.dgn

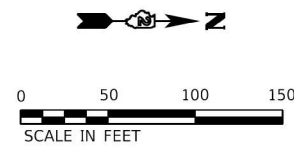
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS (IDOT STD 41.1)

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

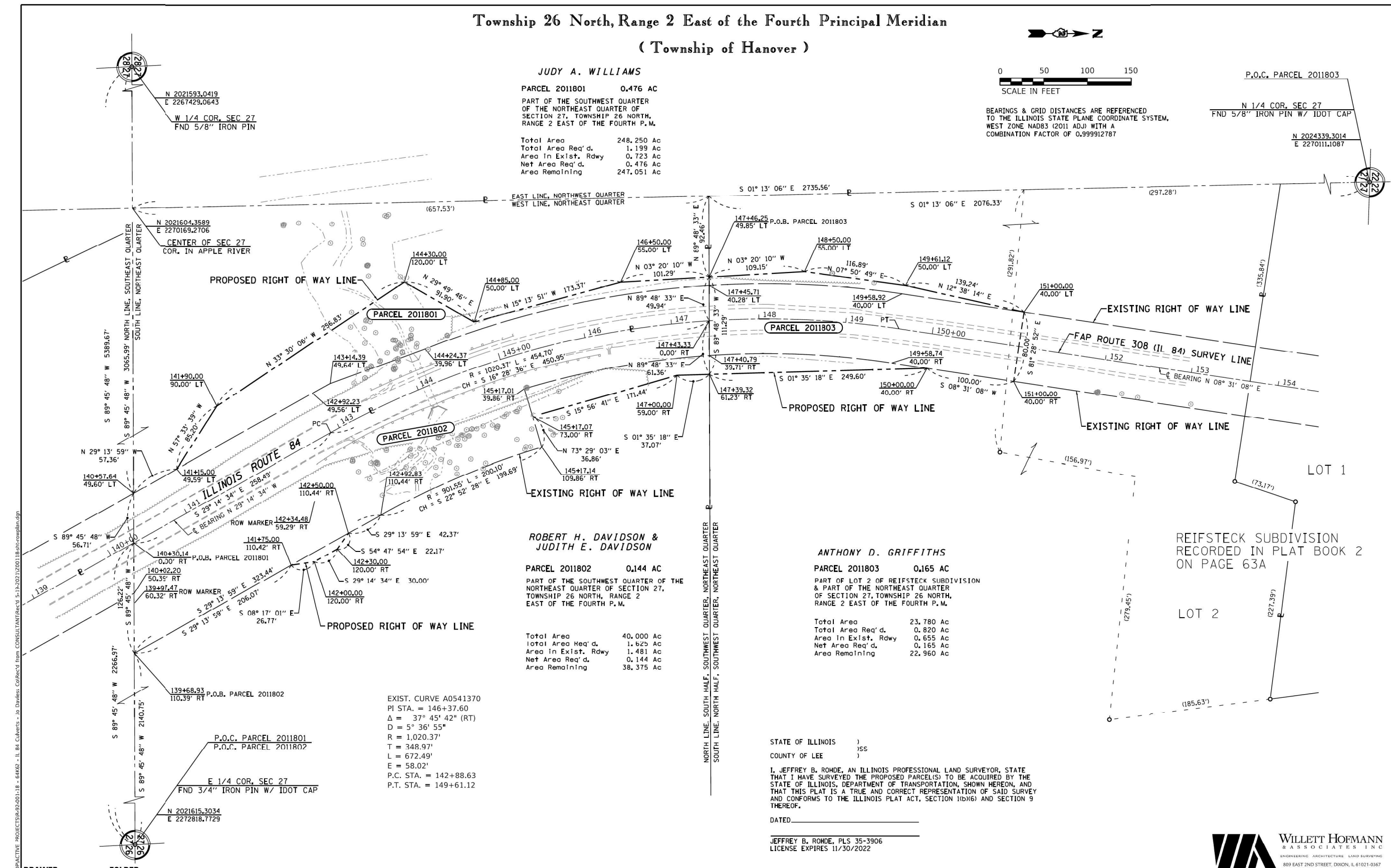
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103,104) CR	JO DAVIESS	82	61
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT FPN/PP A35(192)				

Township 26 North, Range 2 East of the Fourth Principal Meridian  
(Township of Hanover)



**JUDY A. WILLIAMS**  
 PARCEL 2011801 0.476 AC  
 PART OF THE SOUTHWEST QUARTER  
 OF THE NORTHEAST QUARTER  
 OF SECTION 27, TOWNSHIP 26 NORTH,  
 RANGE 2 EAST OF THE FOURTH P.M.  
 Total Area 248.250 Ac  
 Total Area Req'd. 1.199 Ac  
 Area In Exist. Rdwy 0.723 Ac  
 Net Area Req'd. 0.476 Ac  
 Area Remaining 247.051 Ac

P.O.C. PARCEL 2011803  
 N 1/4 COR. SEC 27  
 FND 5/8" IRON PIN W/ IDOT CAP  
 N 2024339.3014  
 E 2270111.1087  
 BEARINGS & GRID DISTANCES ARE REFERENCED  
 TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,  
 WEST ZONE NAD83 (2011 ADJ) WITH A  
 COMBINATION FACTOR OF 0.999912787



**ROBERT H. DAVIDSON & JUDITH E. DAVIDSON**  
 PARCEL 2011802 0.144 AC  
 PART OF THE SOUTHWEST QUARTER OF THE  
 NORTHEAST QUARTER OF SECTION 27,  
 TOWNSHIP 26 NORTH, RANGE 2  
 EAST OF THE FOURTH P.M.  
 Total Area 40.000 Ac  
 Total Area Req'd. 1.625 Ac  
 Area In Exist. Rdwy 1.481 Ac  
 Net Area Req'd. 0.144 Ac  
 Area Remaining 38.375 Ac

**ANTHONY D. GRIFFITHS**  
 PARCEL 2011803 0.165 AC  
 PART OF LOT 2 OF REIFSTECK SUBDIVISION  
 & PART OF THE NORTHEAST QUARTER  
 OF SECTION 27, TOWNSHIP 26 NORTH,  
 RANGE 2 EAST OF THE FOURTH P.M.  
 Total Area 23.780 Ac  
 Total Area Req'd. 0.820 Ac  
 Area In Exist. Rdwy 0.655 Ac  
 Net Area Req'd. 0.165 Ac  
 Area Remaining 22.960 Ac

EXIST. CURVE A0541370  
 PI STA. = 146+37.60  
 Δ = 37° 45' 42" (RT)  
 D = 5° 36' 55"  
 R = 1,020.37'  
 T = 348.97'  
 L = 672.49'  
 E = 58.02'  
 P.C. STA. = 142+88.63  
 P.T. STA. = 149+61.12

STATE OF ILLINOIS )  
 COUNTY OF LEE )  
 I, JEFFREY B. ROHDE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE  
 THAT I HAVE SURVEYED THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE  
 STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON, AND  
 THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY  
 AND CONFORMS TO THE ILLINOIS PLAT ACT, SECTION 10b(6) AND SECTION 9  
 THEREOF.  
 DATED \_\_\_\_\_  
 JEFFREY B. ROHDE, PLS 35-3906  
 LICENSE EXPIRES 11/30/2022

MOOREL DFWAR	USER NAME = spayersm	DESIGNED -	REVISED -
FILE NAME: S:\INDIRECTIVE\PROJECTS\302-001-18 - 64K6 - IL 84 Culverts - IL 84 Culverts - Jo Daviess CollRecd from CONSULTANT\Recd 5-13-2021\20210118shorwlan.dgn	PLCT SCALE = 50.0000 */ in.	DRAWN -	REVISED -
...:\plctdrv\p\p\N\LAYERS\sw\plctfgr	PLCT DATE = Jul-23-2021 10:44:28 AM	CHECKED -	REVISED -
...:\CAD\plct\1800044_Pen.tbl		DATE -	REVISED -
...:\corp\bakwood\com\Projects\Crystal Lake\DOT\1800044-Var Ph I-II D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Plats.dgn			

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
RIGHT-OF-WAY PLAT**

ROUTE FAP 308 (IL 84)	LAND SECTION 27	COUNTY JO DAVIESS	JOB# R-92-001-18
SEC (103, 104)CR	T 26 N, R 2 E OF 4TH P.M.	PROJECT# P-92-009-15	
SCALE: 1" = 50'	SHEET NO. 1 OF 2 SHEETS	STA 139+00 TO STA 154+00	CONTRACT NO. 64K62

MOOREL DFWAR	USER NAME = jharris	DESIGNED JSH	REVISED -
FILE NAME: S:\INDIRECTIVE\PROJECTS\302-001-18 - 64K6 - IL 84 Culverts - IL 84 Culverts - Jo Daviess CollRecd from CONSULTANT\Recd 5-13-2021\20210118shorwlan.dgn	PLCT SCALE = 40.0000 */ in.	DRAWN KAR	REVISED -
...:\plctdrv\p\p\N\LAYERS\sw\plctfgr	PLCT DATE = 3-17-2022	CHECKED DTH	REVISED -
...:\CAD\plct\1800044_Pen.tbl		DATE - 3-17-2022	FILE - D200915-sht-Plats.dgn
...:\corp\bakwood\com\Projects\Crystal Lake\DOT\1800044-Var Ph I-II D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Plats.dgn			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY PLAT**

SCALE: N.T.S.	SHEET 1 OF 3 SHEETS	STA. TO STA.	F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 62
						CONTRACT NO. 64K62	
						ILLINOIS FED. AID PROJECT FPN#P33(192)	



COPYRIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2023  
 jharris Default  
 FILE NAME: S:\INDIRECTIVE\PROJECTS\302-001-18 - 64K6 - IL 84 Culverts - IL 84 Culverts - Jo Daviess CollRecd from CONSULTANT\Recd 5-13-2021\20210118shorwlan.dgn  
 ...:\plctdrv\p\p\N\LAYERS\sw\plctfgr  
 ...:\CAD\plct\1800044\_Pen.tbl  
 ...:\corp\bakwood\com\Projects\Crystal Lake\DOT\1800044-Var Ph I-II D2\40-Design\WO 4-Culverts\CAD\CADsheets\200915-sht-Plats.dgn



Township 26 North, Range 2 East of the Fourth Principal Meridian

( Township of Hanover )

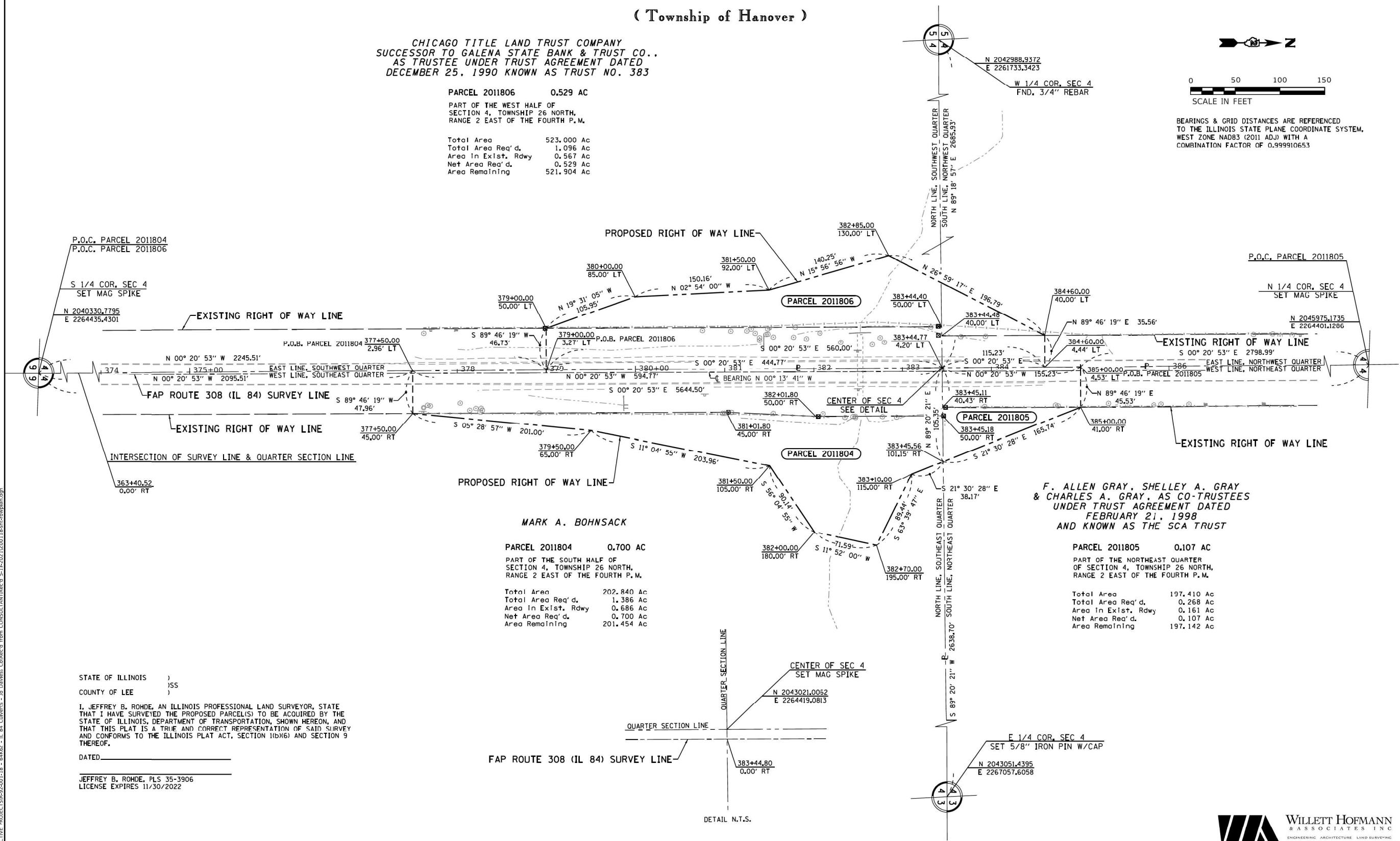
CHICAGO TITLE LAND TRUST COMPANY  
SUCCESSOR TO GALENA STATE BANK & TRUST CO.,  
AS TRUSTEE UNDER TRUST AGREEMENT DATED  
DECEMBER 25, 1990 KNOWN AS TRUST NO. 383

PARCEL 2011806 0.529 AC  
PART OF THE WEST HALF OF  
SECTION 4, TOWNSHIP 26 NORTH,  
RANGE 2 EAST OF THE FOURTH P.M.

Total Area 523.000 Ac  
Total Area Req'd. 1.096 Ac  
Area in Exist. Rdwy 0.567 Ac  
Net Area Req'd. 0.529 Ac  
Area Remaining 521.904 Ac



BEARINGS & GRID DISTANCES ARE REFERENCED  
TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,  
WEST ZONE NAD83 (2011 ADJ) WITH A  
COMBINATION FACTOR OF 0.999910653



MARK A. BOHNSACK

PARCEL 2011804 0.700 AC  
PART OF THE SOUTH HALF OF  
SECTION 4, TOWNSHIP 26 NORTH,  
RANGE 2 EAST OF THE FOURTH P.M.

Total Area 202.840 Ac  
Total Area Req'd. 1.386 Ac  
Area in Exist. Rdwy 0.686 Ac  
Net Area Req'd. 0.700 Ac  
Area Remaining 201.454 Ac

F. ALLEN GRAY, SHELLEY A. GRAY  
& CHARLES A. GRAY, AS CO-TRUSTEES  
UNDER TRUST AGREEMENT DATED  
FEBRUARY 21, 1998  
AND KNOWN AS THE SCA TRUST

PARCEL 2011805 0.107 AC  
PART OF THE NORTHEAST QUARTER  
OF SECTION 4, TOWNSHIP 26 NORTH,  
RANGE 2 EAST OF THE FOURTH P.M.

Total Area 197.410 Ac  
Total Area Req'd. 0.268 Ac  
Area in Exist. Rdwy 0.161 Ac  
Net Area Req'd. 0.107 Ac  
Area Remaining 197.142 Ac

STATE OF ILLINOIS )  
COUNTY OF LEE )

I, JEFFREY B. ROHDE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE  
THAT I HAVE SURVEYED THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE  
STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON, AND  
THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY  
AND CONFORMS TO THE ILLINOIS PLAT ACT, SECTION 10(X)(6) AND SECTION 9  
THEREOF.

DATED \_\_\_\_\_

JEFFREY B. ROHDE, PLS 35-3906  
LICENSE EXPIRES 11/30/2022

DRAWER \_\_\_\_\_ FOLDER \_\_\_\_\_

USER NAME = spayersm	DESIGNED -	REVISED -
PLCT SCALE = 50.0000 * / in.	CHECKED -	REVISED -
PLCT DATE = Jul-08-2021 10:29:32 AM	DATE -	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION  
RIGHT OF WAY PLAT

ROUTE FAP 308 (IL 84)	LAND SECTION 4	COUNTY JO DAVIESS	JOB# R-92-001-18
SEC (103, 104)CR	T 26 N, R 2 E OF 4TH P.M.	PROJECT# P-92-009-15	
SCALE: 1" = 50'	SHEET NO. 2 OF 2 SHEETS	STA 139+00 TO STA 154+00	CONTRACT NO. 64K62

USER NAME = jharris	DESIGNED JSH	REVISED -
PLCT SCALE = 40.0000 * / in.	CHECKED DTH	REVISED -
PLCT DATE = 3-17-2022	DATE - 3-17-2022	FILE - D200915-sht-Plats.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAT

SCALE: N.T.S.	SHEET 2 OF 3 SHEETS	STA. TO STA.	F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 63
						CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT FPN#P35(1192)							



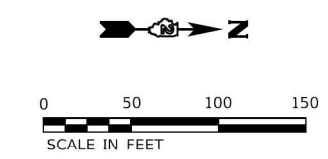
COPY/RIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-0011211 - EXPIRES 4/30/2023  
 jrharris - default  
 FILE NAME: \\g:\baxwood\com\Projects\Crystal Lake\DOT\180044-Var Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\180015-sht-Plats.dgn  
 ...\\plc\drv\p\NOLAYERS\sw.pltctg  
 ...CAD\plot\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT\180044-Var Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\180015-sht-Plats.dgn  
 MOORE DRAFTING  
 FILE NAME: \\g:\baxwood\com\Projects\Crystal Lake\DOT\180044-Var Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\180015-sht-Plats.dgn  
 FILE NAME: \\g:\baxwood\com\Projects\Crystal Lake\DOT\180044-Var Ph 1H D2\40-Design\WO 4-Culverts\CAD\CADsheets\180015-sht-Plats.dgn



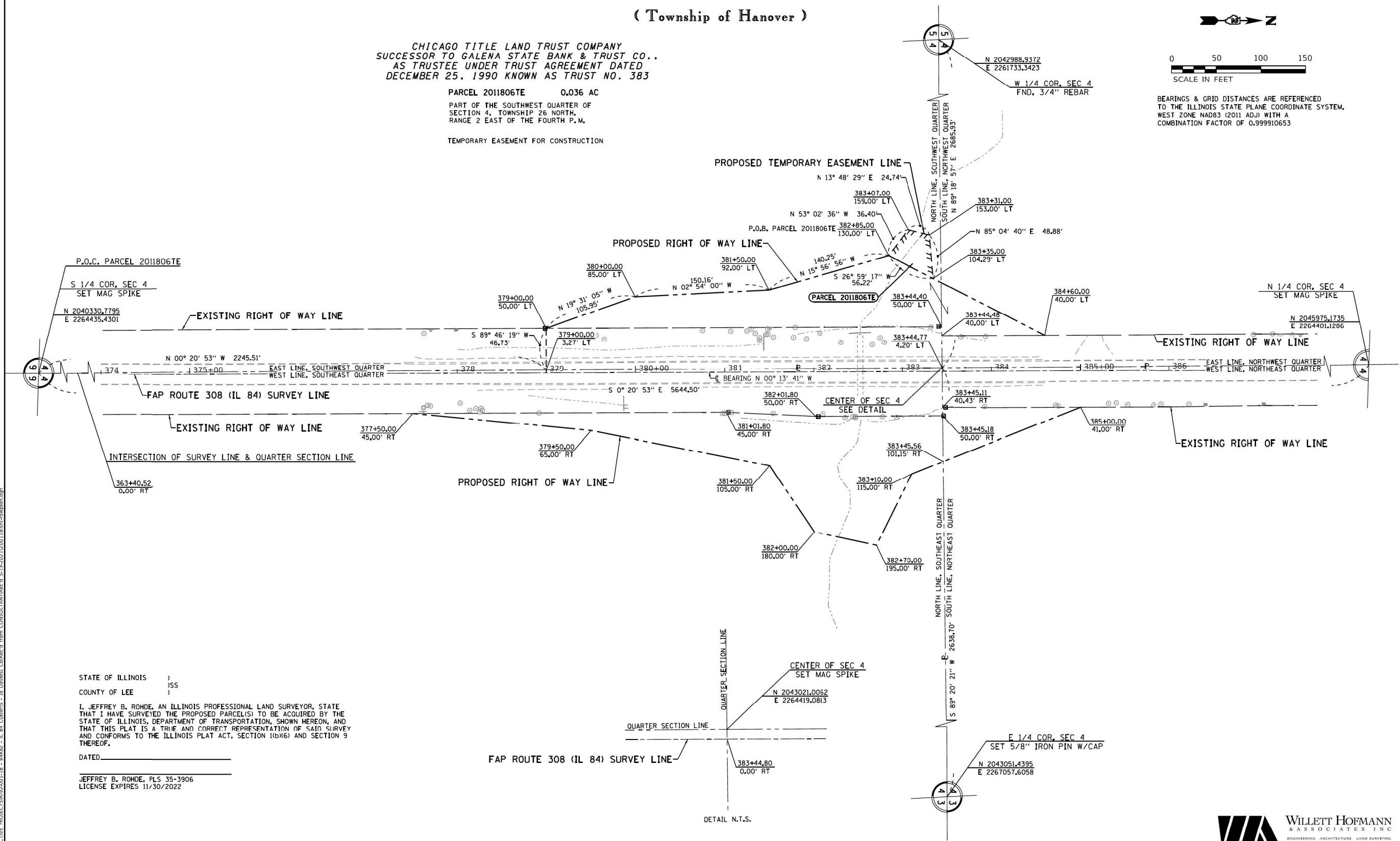
**Township 26 North, Range 2 East of the Fourth Principal Meridian  
( Township of Hanover )**

CHICAGO TITLE LAND TRUST COMPANY  
SUCCESSOR TO GALENA STATE BANK & TRUST CO.,  
AS TRUSTEE UNDER TRUST AGREEMENT DATED  
DECEMBER 25, 1990 KNOWN AS TRUST NO. 383

PARCEL 2011806TE 0.036 AC  
PART OF THE SOUTHWEST QUARTER OF  
SECTION 4, TOWNSHIP 26 NORTH,  
RANGE 2 EAST OF THE FOURTH P.M.  
TEMPORARY EASEMENT FOR CONSTRUCTION



BEARINGS & GRID DISTANCES ARE REFERENCED  
TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,  
WEST ZONE NAD83 (2011 ADJ) WITH A  
COMBINATION FACTOR OF 0.999910653



STATE OF ILLINOIS )  
COUNTY OF LEE )  
I, JEFFREY B. ROHDE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE  
THAT I HAVE SURVEYED THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE  
STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON, AND  
THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF SAID SURVEY  
AND CONFORMS TO THE ILLINOIS PLAT ACT, SECTION 10(X)(6) AND SECTION 9  
THEREOF.  
DATED \_\_\_\_\_  
JEFFREY B. ROHDE, PLS 35-3906  
LICENSE EXPIRES 11/30/2022

DRAWER \_\_\_\_\_ FOLDER \_\_\_\_\_

USER NAME = spayersm	DESIGNED -	REVISED -
PLCT SCALE = 50.0000 "/>		

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
TEMPORARY EASEMENT PLAT**

ROUTE FAP 308 (IL 84)	LAND SECTION 4	COUNTY JO DAVIESS	JOB# R-92-001-18
SEC (103, 104)CR	T 26 N, R 2 E OF 4TH P.M.	PROJECT# P-92-009-15	
SCALE: 1" = 50'	SHEET NO. E2 (1 OF 1)	STA 139+00	TO STA 154+00 CONTRACT NO. 64K62

USER NAME = jharris	DESIGNED JSH	REVISED -
PLCT SCALE = 40.0000 "/>		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RIGHT OF WAY PLAT</b>	
SCALE: N.T.S.	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION (103,104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 64
CONTRACT NO. 64K62			ILLINOIS FED. AID PROJECT FPN#P35(1192)	

COPY/RIGHT © 2022, BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 184-0011211 - EXPIRES 4/30/2023  
 JHarris Default  
 FILE NAME: \\g:\baxwood\com\Projects\Crystal Lake\DOT\180044-Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\1800915-sht-Plats.dgn  
 ...\\plctdrv\pfn\NOLAYERS\sw.pltctg  
 ...\\CAD\plct\180044\_Pen.tbl  
 \\corp.baxwood.com\Projects\Crystal Lake\DOT\180044-Var Ph 1\1\2\40-Design\WO 4-Culverts\CAD\CADsheets\1800915-sht-Plats.dgn







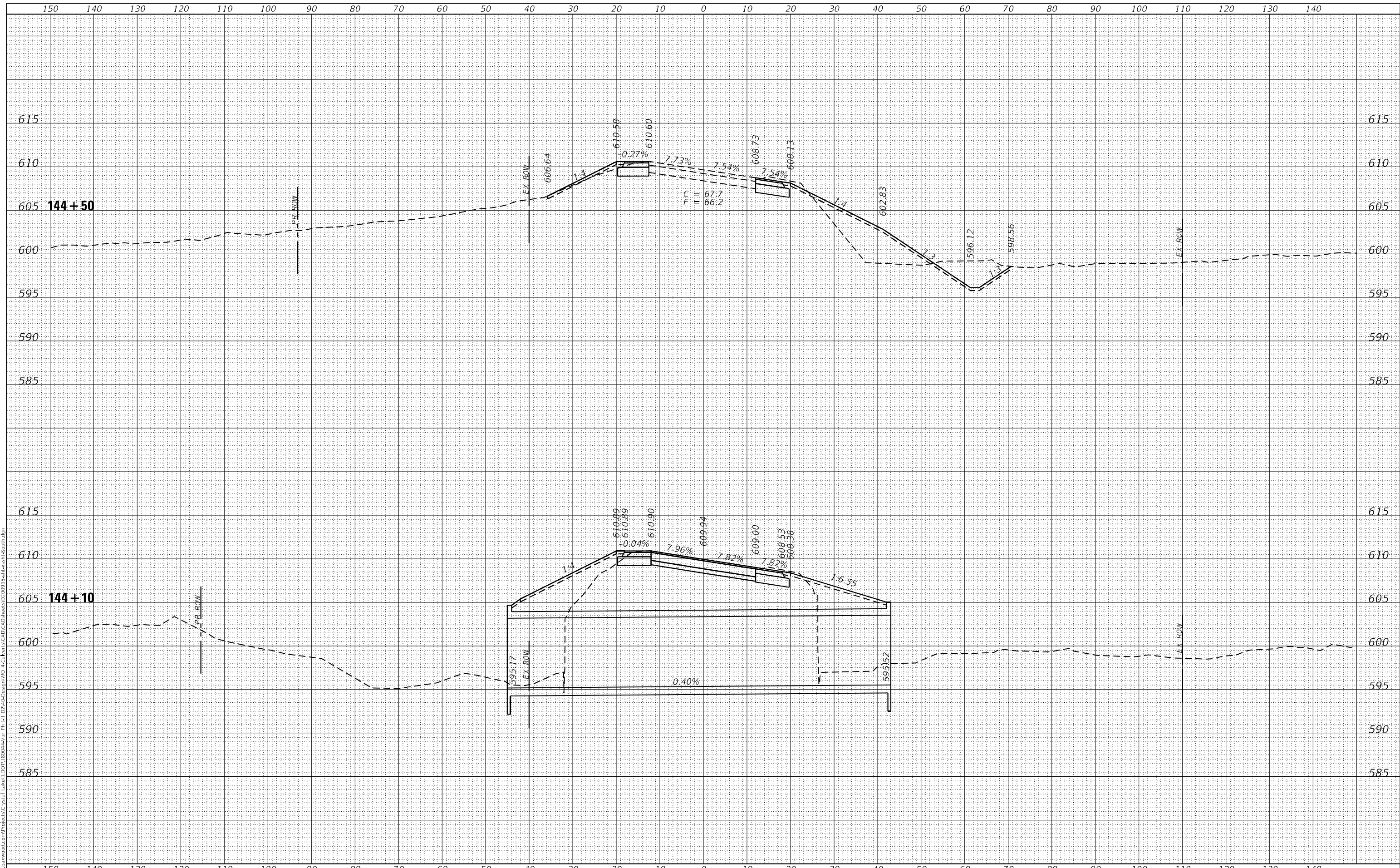




DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

MODEL: Definit  
 FILE NAME: W:\na\w\com\Projects\Crystal Lake\DOT18044\cr.ph.plt\DOT18044-Design\VO-1-Crystal Lake\DOT18044\DOT18044-South.dgn



USER NAME	= jharris
DESIGNED	- JSH
DRAWN	- KAR
CHECKED	- TMS
DATE	- 3-17-2022
REVISIONS	
REVISIONS	
REVISIONS	
REVISIONS	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

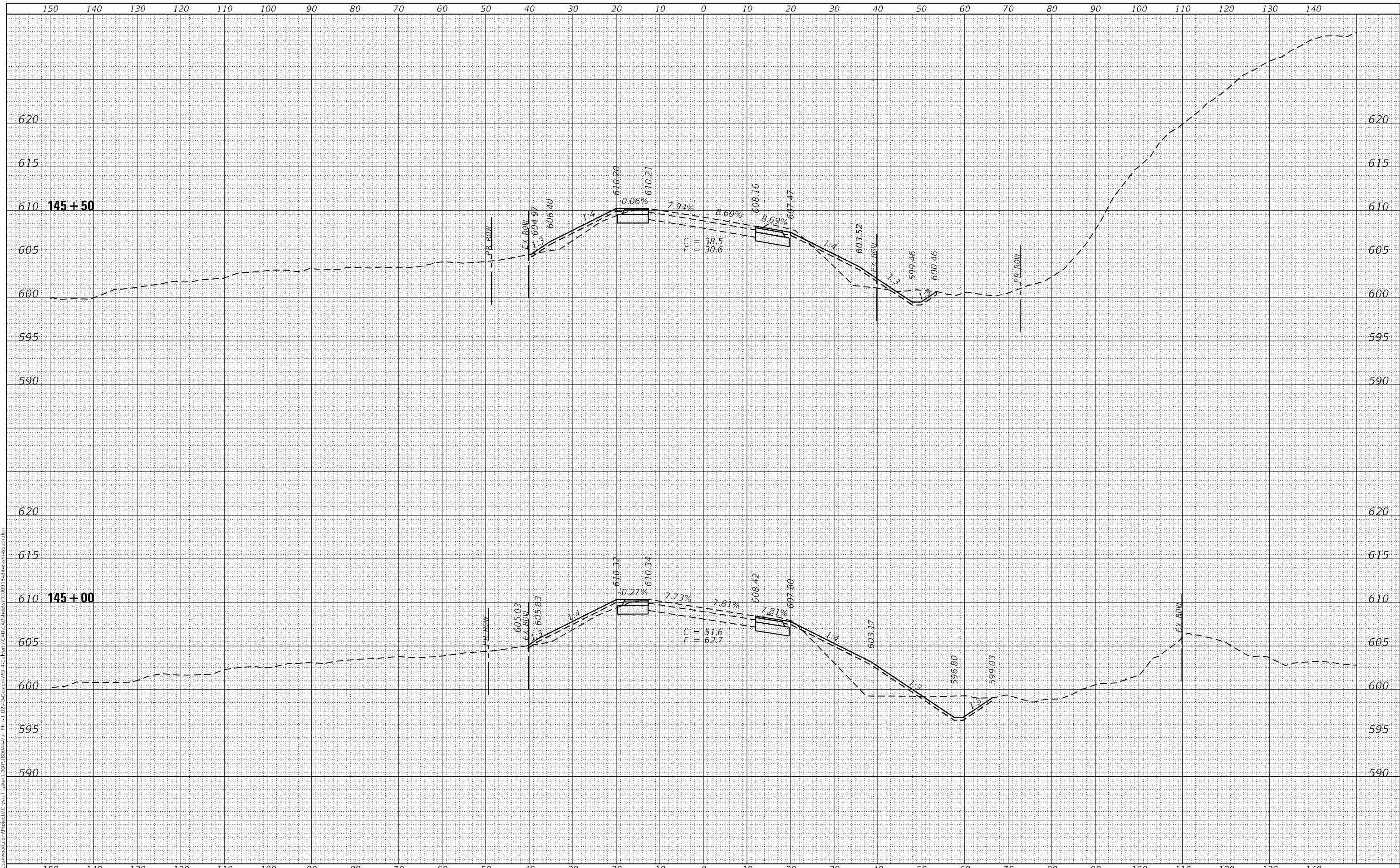
CROSS SECTIONS  
 IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)  
 SCALE: H:1"=10'; V:1"=5' SHEET 4 OF 9 SHEETS STA. 144+10 TO STA. 144+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	68
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: W:\na\w\w\com\Projects\Crystal Lake\DOT180844\cr.ph.plt D:\na\Design\VO-1-C:\Users\CAD\CA\B\sheet\02091\5-sch\sect-South.dgn



USER NAME	= jharris
DESIGNED	- JSH
DRAWN	- KAR
CHECKED	- TMS
DATE	- 3-17-2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**

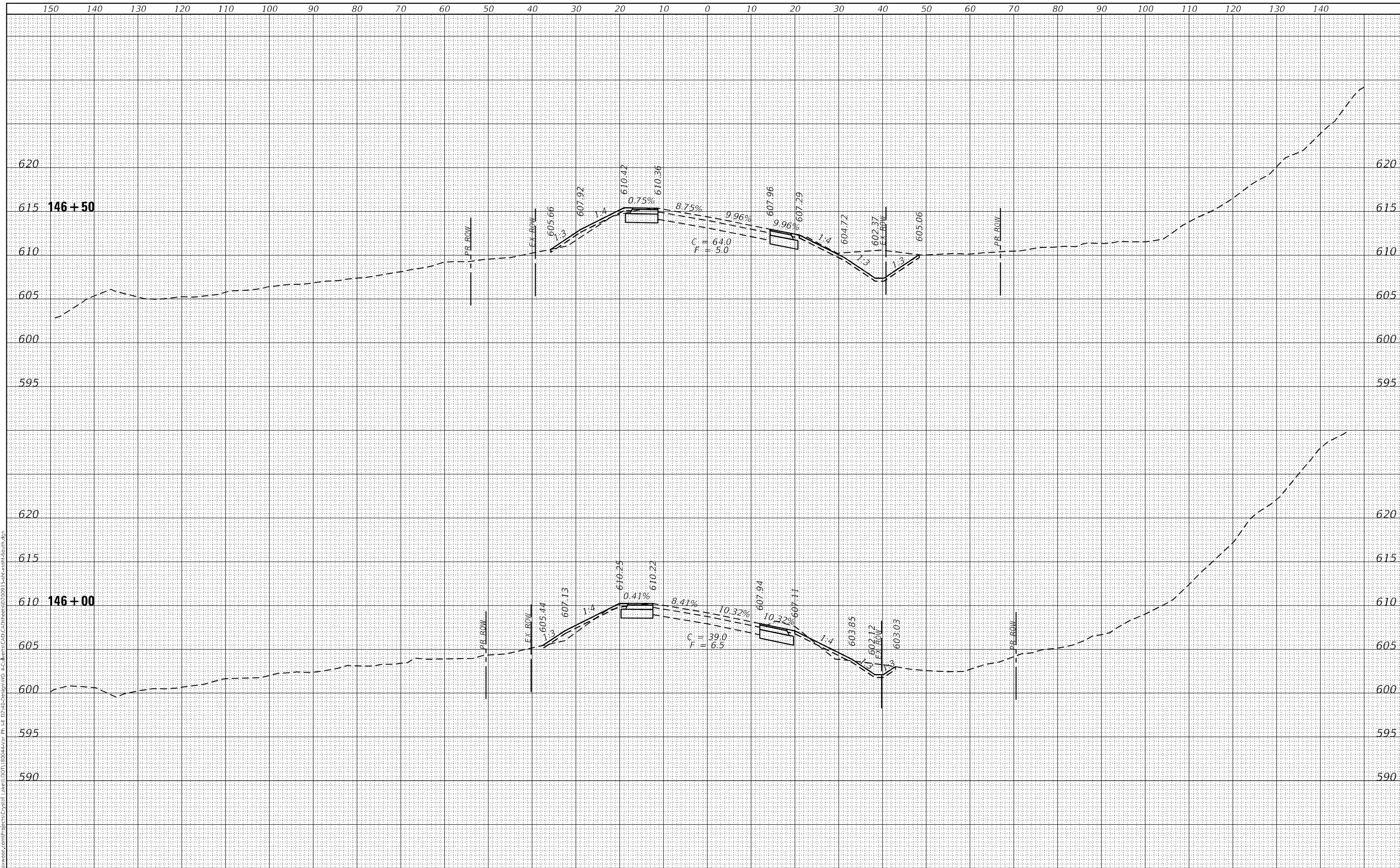
SCALE: H:1"=10'; V:1"=5' SHEET 5 OF 9 SHEETS STA. 145+00 TO STA. 145+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	69
				CONTRACT NO. 64K62
				ILLINOIS FED. AID PROJECT



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

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



MODEL: Definit  
 FILE NAME: \\wms.baxterwoodman.com\Projects\Crystal Lake\DOT180644\cr.ph.plt\DOT180644\Design\VO 1-C:\Users\CAD\CA\Baxters\DOT091\5chocxst-South.dgn



USER NAME = jharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISED -
	DATE - 3-17-2022	REVISED -

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

**CROSS SECTIONS**  
**IL ROUTE 84 SOUTHERN CULVERT (SN 043-1117)**  
 SCALE: H:1"=10'; V:1"=5' SHEET 6 OF 9 SHEETS STA. 146+00 TO STA. 146+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	70
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				





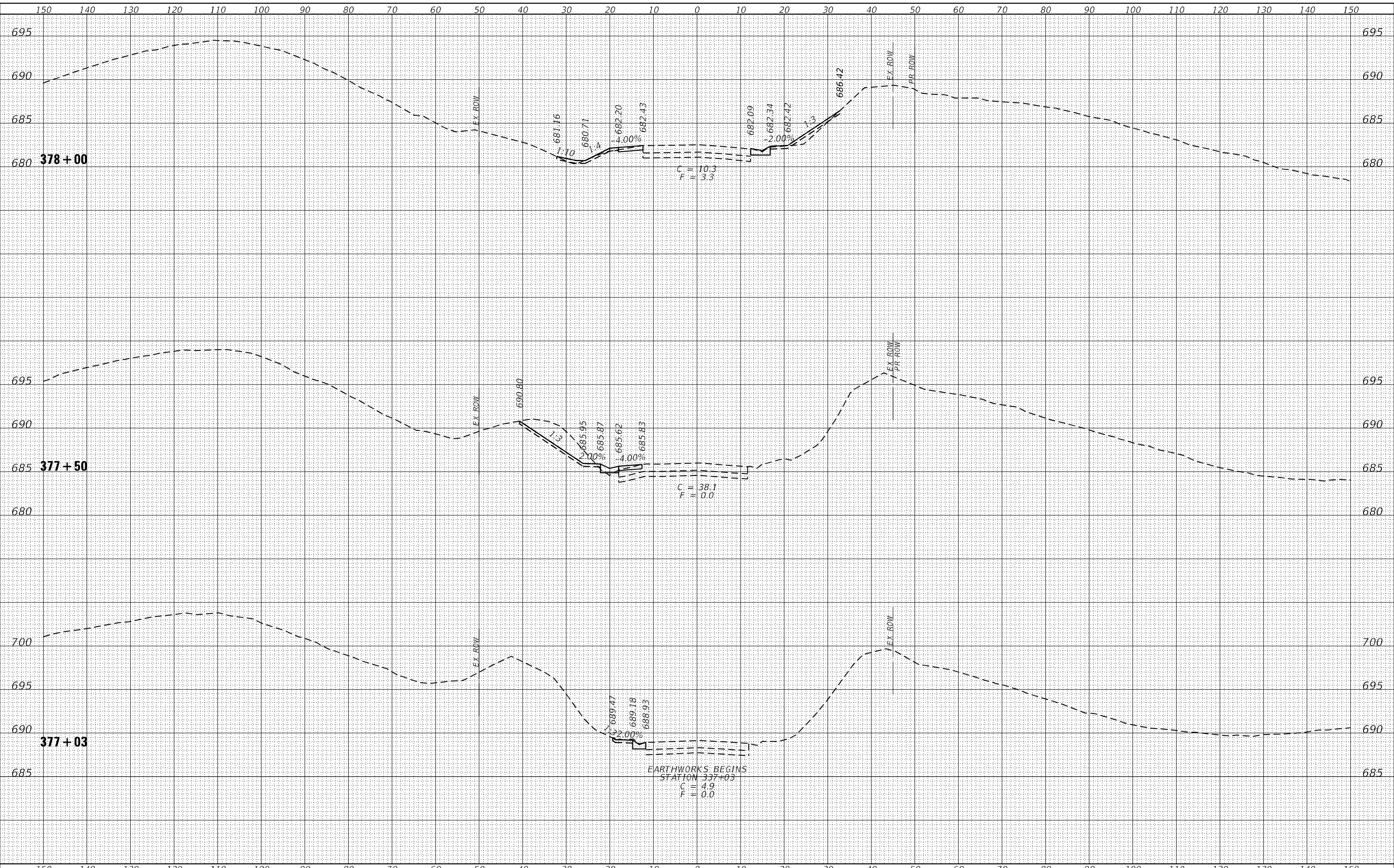




FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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

MODEL: Definit  
 FILE NAME: \\c:\na\work\com\Projects\Crystal Lake\DOT18044-cr-ph-11\DOT18044-Design\VO-1-Crivers-CAD\CAD\Sheets\020915-sch-cross-18044.dgn



USER NAME = jharris	DESIGNED - JSH	REVISIED -
PLOT SCALE = 20,0000' / in.	DRAWN - KAR	REVISIED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISIED -
	DATE - 3-17-2022	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

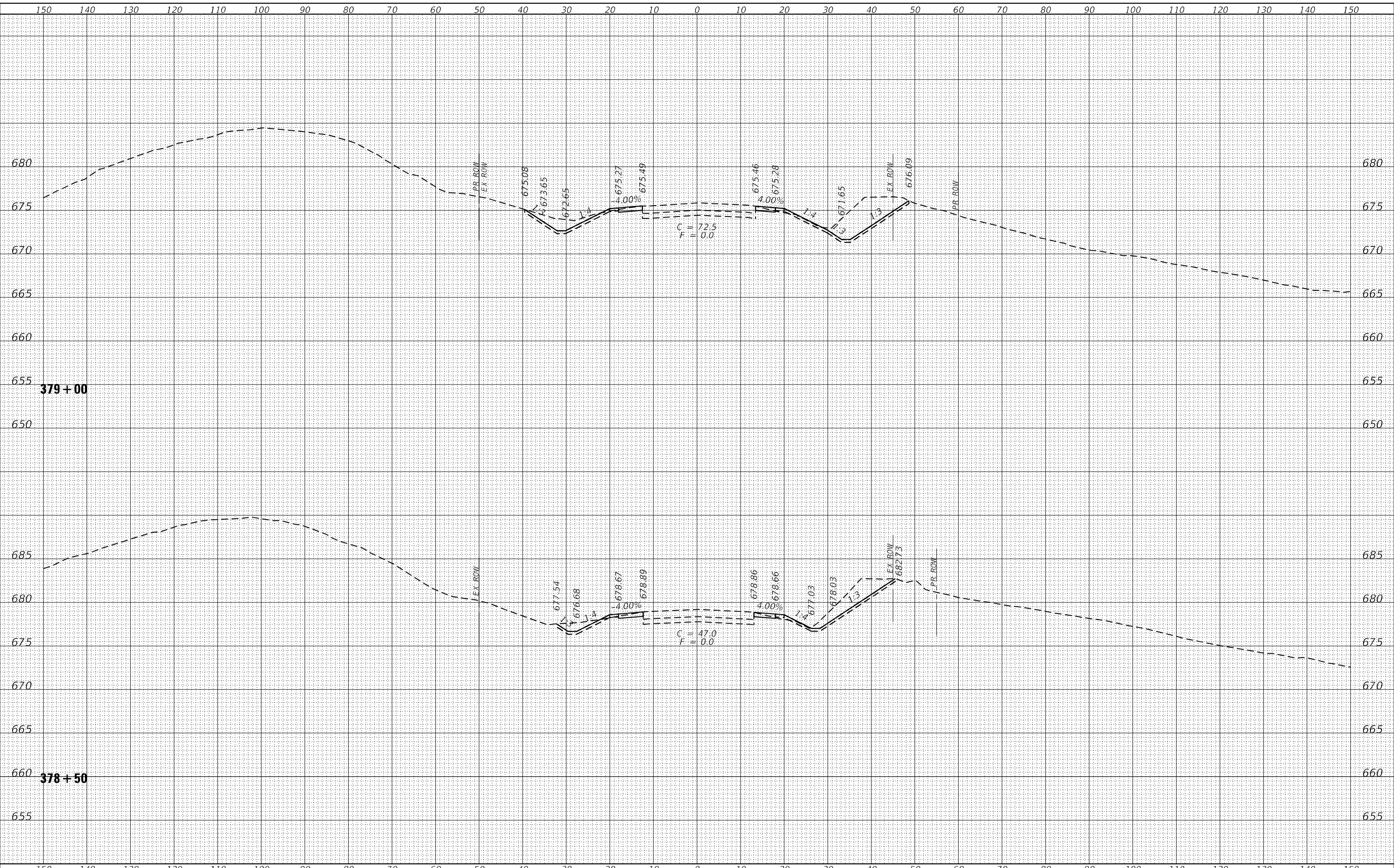
<b>CROSS SECTIONS</b>	
<b>IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)</b>	
SCALE: H:1"=10'; V:1"=5'	SHEET 1 OF 9 SHEETS
STA. 377+03	TO STA. 378+00

F.A.U. RTE. 308	SECTION (103.104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 74
			CONTRACT NO. 64K62	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: W:\na\waco.com\Projects\Crystal Lake\DOT180844.ctb  
 I:\C:\Users\jsharris\OneDrive\Documents\DOT180844.ctb  
 I:\C:\Users\jsharris\OneDrive\Documents\DOT180844.ctb



USER NAME = jsharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISED -
	DATE - 3-17-2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>		
<b>IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)</b>		
SCALE: H:1"=10'; V:1"=5'	SHEET 2 OF 9 SHEETS	STA. 378+50 TO STA. 379+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	75
				CONTRACT NO. 64K62
				ILLINOIS FED. AID PROJECT







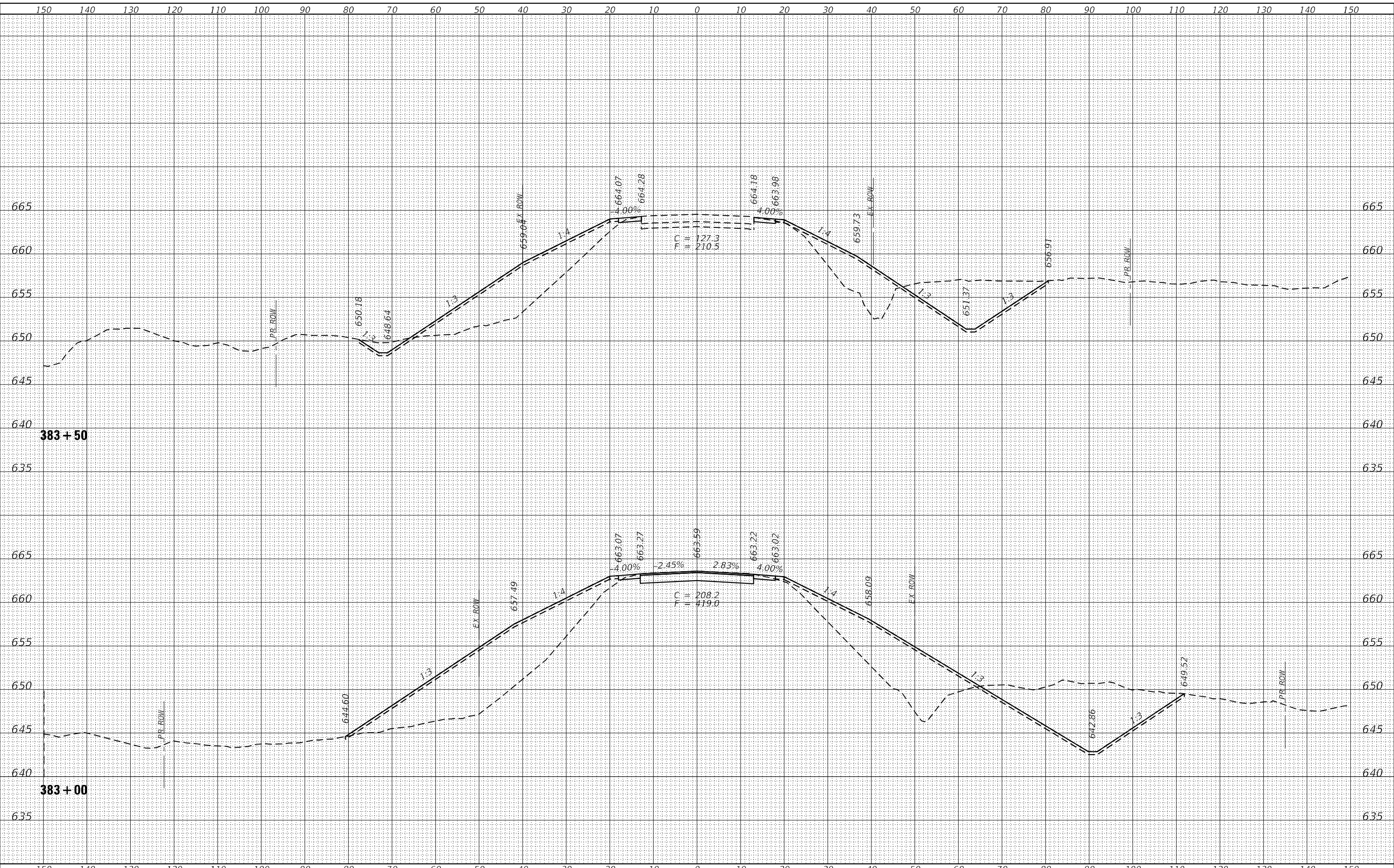




FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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

MODEL: Definit  
 FILE NAME: W:\ba\woods.com\Projects\Crystal Lake\DOT18044-cr-ph-11\DOT18044-Design\VO-1-C:\Users\CAD\CA\Projects\DOT0915\crssect-18044.dgn



USER NAME = jharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 20,000' +/- in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISED -
	DATE - 3-17-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

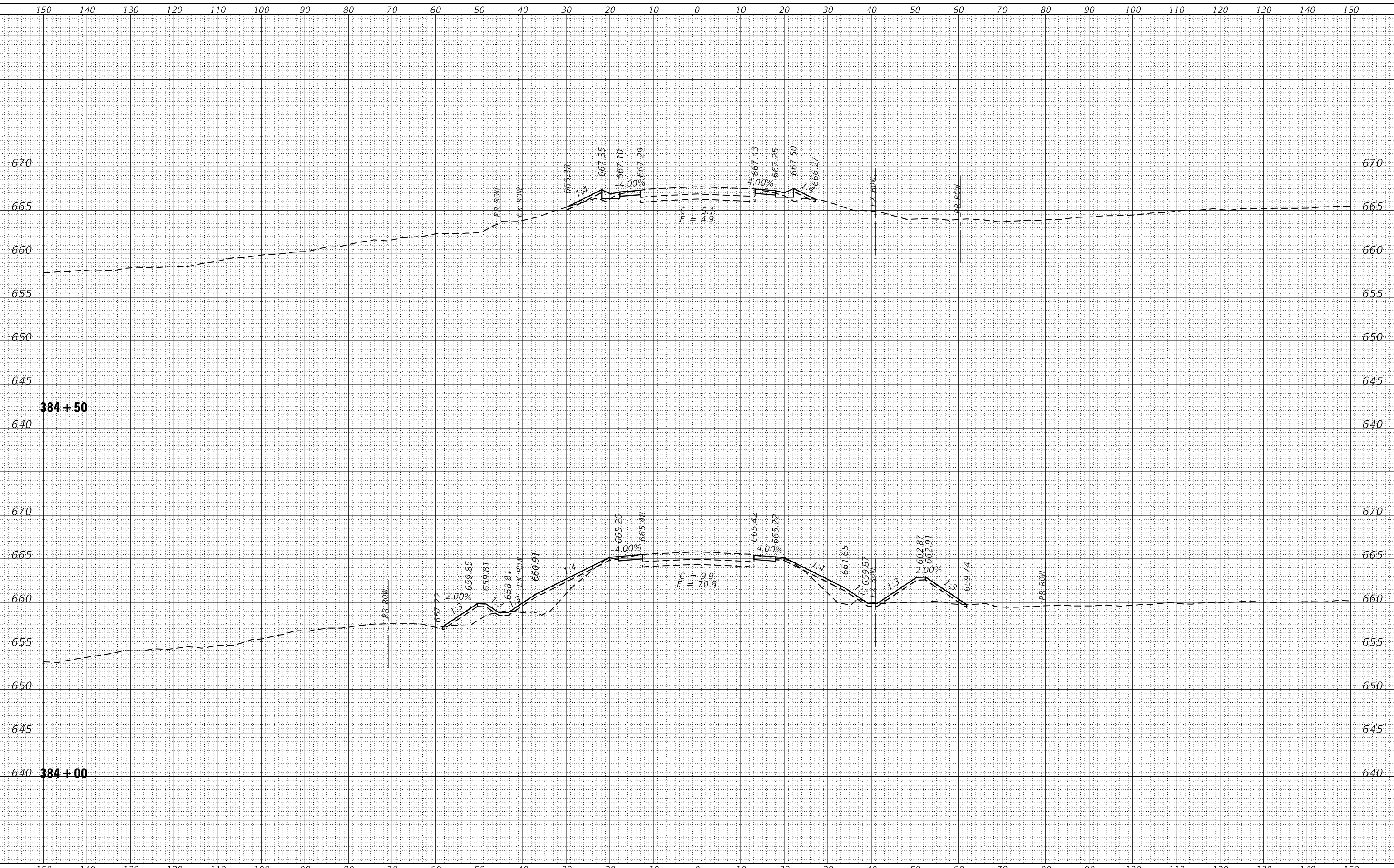
CROSS SECTIONS	
<b>IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)</b>	
SCALE: H:1"=10'; V:1"=5'	SHEET 7 OF 9 SHEETS
STA. 383+00	TO STA. 383+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	80
				CONTRACT NO. 64K62
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: \\wms.baxterwood.com\Projects\Crystal Lake\DOT180644\cr.ph.plt D:\wms\Design\VO-1-C:\Users\CAD\CA\Baxters\DOT0913\crsect1-barmt.dgn



USER NAME = jharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 20,000' * / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISED -
	DATE - 3-17-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>		
<b>IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)</b>		
SCALE: H:1"=10'; V:1"=5'	SHEET 8 OF 9 SHEETS	STA. 384+00 TO STA. 384+50

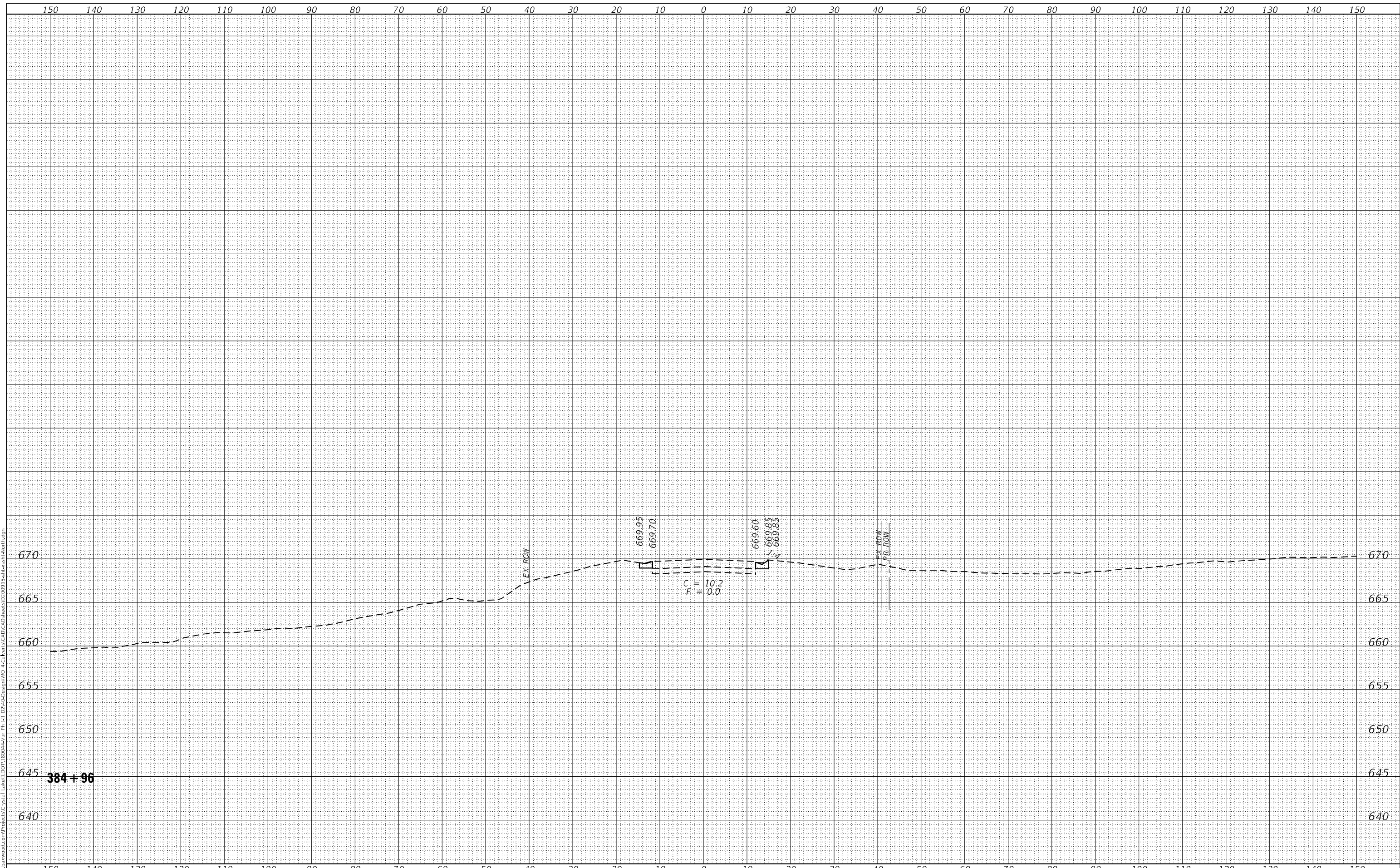
F.A.U. RTE. 308	SECTION (103.104) CR	COUNTY JO DAVIESS	TOTAL SHEETS 82	SHEET NO. 81
			CONTRACT NO. 64K62	
			ILLINOIS FED. AID PROJECT	



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

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

MODEL: Definit  
 FILE NAME: \\corporate\projects\crystal\lax\illDOT180844\cr ph ill DOT180844\Design\VO 1-C:\Users\CAD\CA\shreetha\209915\shreetha\msh.mxd



USER NAME = jharris	DESIGNED - JSH	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3-17-2022	CHECKED - TMS	REVISED -
	DATE - 3-17-2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 84 NORTHERN CULVERT (SN 043-1118)**  
 SCALE: H:1"=10';V:1"=5' SHEET 9 OF 9 SHEETS STA. 384+96 TO STA. 384+96

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(103.104) CR	JO DAVIESS	82	82
CONTRACT NO. 64K62				
ILLINOIS FED. AID PROJECT				