

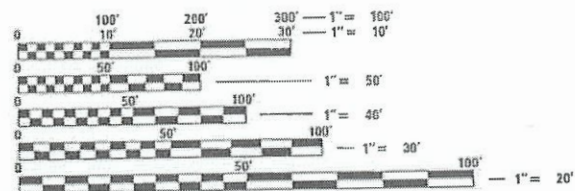
FOR INDEX OF DRAWINGS AND HIGHWAY STANDARDS,
SEE SHEET NO. 2

PROJECT LOCATED IN AFTON TOWNSHIP

08-02-2024 LETTING ITEM 048

TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: LOCAL ROAD
POSTED SPEED LIMIT = 55 MPH
DESIGN SPEED LIMIT = 40 MPH
2021 ADT = 100
2046 ADT = 112



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 EXCAVATORS
1-800-892-0123
OR 811

CONTRACT NO. 87848

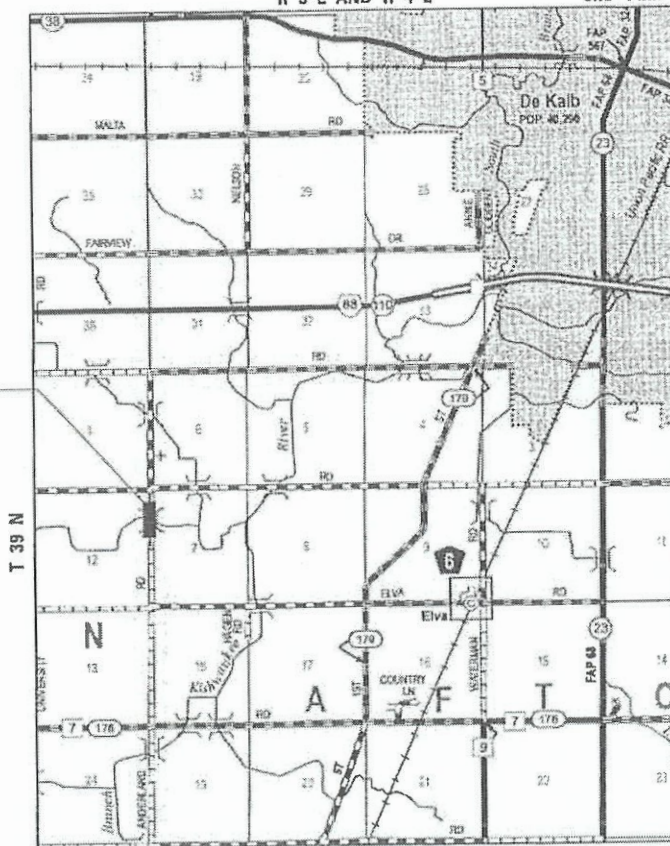
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
ROAD IMPROVEMENTS**

ANDERLAND ROAD OVER NORTH BRANCH
SOUTH BRANCH KISHWAUKEE RIVER
STRUCTURE REPLACEMENT
SECTION 20-01009-01-BR
PROJECT IREL(966)
LOCAL BRIDGE FORMULA PROGRAM
DEKALB COUNTY

C-93-002-25

R 3 E AND R 4 E 3RD P.M.



DEKALB COUNTY
LOCATION MAP

NOT TO SCALE

GROSS AND NET LENGTH = 200 FT. = 0.038 MILE

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	1
		ILLINOIS	CONTRACT NO. 87848	



STRAND ASSOCIATES, INC.
ANTHONY J. STANDISH, S.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 10 TO 17
LICENSE NO. 081-005819

DATE: 5/23/24 EXP: 11/30/2024

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFFR NO. 194-001273

STRAND ASSOCIATES, INC.
ALEXANDER M. SCHWARZ, P.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 1 TO 9 AND
18 TO 20
LICENSE NO. 062-070948

DATE: 5/23/24 EXP: 11/30/2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED May 26 2024
[Signature]
COUNTY OF DEKALB, COUNTY ENGINEER

PASSED May 30 2024
[Signature]
DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS

May 30 2024
[Signature]
REGIONAL ENGINEER

RELEASING FOR BID
BASED ON LIMITED
REVIEW

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF DRAWINGS

1		COVER SHEET
2		INDEX OF DRAWINGS, HIGHWAY STANDARDS, AND GENERAL NOTES
3	TO 4	SUMMARY OF QUANTITIES
5		TYPICAL SECTIONS
6		ALIGNMENT, TIES, AND BENCHMARKS
7		REMOVAL PLAN
8		PLAN AND PROFILE
9		EROSION CONTROL AND LANDSCAPING PLAN
10	TO 17	STRUCTURAL DRAWINGS
18		DISTRICT THREE STANDARDS
19	TO 20	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMALS OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

IDOT DISTRICT 3 STANDARDS

402-1	FIELD ENTRANCE DETAIL
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USACE PERMIT NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF UNITED STATES ARMY CORPS OF ENGINEERS NATIONWIDE PERMIT 3 DURING CONSTRUCTION.
- ANY STREAM CHANNEL MODIFICATIONS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE REPLACEMENT OF THE STRUCTURE AND SHALL BE LIMITED TO THE IMMEDIATE VICINITY OF THE PROJECT.
- ANY TEMPORARY FILLS OR COFFERDAMS SHALL CONSIST OF NON-ERODIBLE MATERIALS. AFTER WORK IS COMPLETED, ALL AFFECTED AREAS SHALL BE RETURNED TO PRE-CONSTRUCTION ELEVATIONS AND SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DRAWINGS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2024, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCES TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT OF WAY PINS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS, SECTION OR SUBSECTION MONUMENTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS. TEMPORARY RAMPS, IF NEEDED, ARE INCIDENTAL TO CONSTRUCTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- DAMAGE TO THE EXISTING ROADWAY NOT SPECIFIED TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACT AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- ALL SUBSURFACE DRAINS AND/OR FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REMOVED AND CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR CONNECTING TO THE PROPOSED DITCHES AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE OWNER. THIS WORK SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- GRADING AND SHAPING DITCHES WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE TOP FOUR INCHES OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR SHALL BE FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER AND FREE OF ROOT STUMPS, STONES AND OTHER MATERIAL HARMFUL TO PLANT GROWTH. TOPSOIL MUST MEET THE REQUIREMENTS OF ARTICLE 1081.05.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING AND AFTER CONSTRUCTION.
- FOR TONNAGE CALCULATIONS, THE FOLLOWING APPLICATION RATES ARE ASSUMED:
40200800 - AGGREGATE SURFACE COURSE, TYPE B: 2.05 TONS/CUBIC YARD
X2070302 - POROUS GRANULAR EMBANKMENT (SPECIAL): 1.50 TONS/CUBIC YARD
XX008873 - AGGREGATE SURFACE COURSE (SPECIAL): 2.05 TONS/CUBIC YARD

ANTICIPATED CONSTRUCTION SEQUENCE

- INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS SUCH AS PERIMETER EROSION BARRIER.
- PERFORM REMOVALS, DEMOLITION, AND EARTHWORK NECESSARY FOR ROADWAY AND STRUCTURE IMPROVEMENTS.
- PROVIDE TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET ON ALL DISTURBED AREAS.
- PERFORM TEMPORARY BYPASS AND DEWATERING OPERATIONS FOR IN-STREAM WORK AS NEEDED ACCORDING TO CONTRACTOR'S APPROVED IN-STREAM WORK PLAN.
- INSTALL REPLACEMENT STRUCTURE.
- AFTER FINAL CONSTRUCTION OF ALL ROADWAY ITEMS, PERFORM FINAL LANDSCAPING AND EROSION CONTROL INSTALLATION.

EROSION CONTROL AND LANDSCAPING NOTES

- ALL AREAS DISTURBED BY THE CONTRACT SHALL BE RESTORED WITH 4" TOPSOIL AND SEEDING AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- TEMPORARY EROSION CONTROL BLANKET SHALL BE USED ON ALL AREAS OF SOIL DISTURBANCE AND SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, LATEST EDITION AND IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
- PERIMETER EROSION BARRIER IS SHOWN OUTSIDE THE RIGHT-OF-WAY FOR PLAN CLARITY. PERIMTER EROSION BARRIER SHOULD BE CONSTRUCTED 6" INSIDE THE RIGHT-OF-WAY IN THESE LOCATIONS.
- CONTRACTOR SHALL SUBMIT AN IN-STREAM WORK PLAN TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH ALL UNITED STATES ARMY CORPS OF ENGINEERS REQUIREMENTS PRIOR TO BEGINNING ANY WORK WITHIN THE WATERWAY.
- DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR OPEN WATERS IS PROHIBITED.
- SOIL STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS OR DURING ANY RAINFALL EVENTS SHALL BE PROVIDED WITH SOIL EROSION AND SEDIMENT CONTROL MEASURES. PROPOSED SOIL STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
- IF WORK IS SCHEDULED TO OCCUR BETWEEN APRIL 1 AND SEPTEMBER 31 OF ANY YEAR, THE STRUCTURE SHALL BE INSPECTED FOR THE PRESENECE OF NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS) NO MORE THAN 7 DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO ENSURE BATS HAVE NOT STARTED TO USE THE AREAS OF THE STRUCTURE PROPOSED FOR WORK. IF THAT SPECIES IS FOUND TO BE USING THE STRUCTURE, THE U.S. FISH AND WILDLIFE SERVICE AND THE UNITED STATES ARMY CORPS OF ENGINEERS SHALL BE CONTACTED IMMEDIATELY TO ASK FOR FURTHER GUIDANCE. WORK SHALL NOT COMMENCE UNTIL CONSULTATION WITH THESE TWO AGENCIES HAS BEEN SATISFIED.

IN-STREAM WORK NOTES

- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
- THE IN-STREAM WORK PLAN WILL BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE UNITED STATES ARMY CORPS OF ENGINEERS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
- WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
- THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES SUCH AS THE CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUI RED WORK.
- IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY-DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
- DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMER SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE IN-STREAM WORK PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
- ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER
INDEX OF DRAWINGS, HIGHWAY STANDARDS, AND GENERAL NOTES**

TWP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	2
			CONTRACT NO. 87848	
SCALE: NTS		SHEET OF SHEETS		STA. TO STA.
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	223
20300100	CHANNEL EXCAVATION	CU YD	16
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	40
25000200	SEEDING, CLASS 2	ACRE	.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23
25100630	EROSION CONTROL BLANKET	SQ YD	485
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30
28000400	PERIMETER EROSION BARRIER	FOOT	305
28000500	INLET AND PIPE PROTECTION	EACH	4
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	485
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	18
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	104

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER	
SUMMARY OF QUANTITIES	
SCALE: NTS	SHEET 1 OF 2 SHEETS STA. TO STA.

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87848	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	43,790
51500100	NAME PLATES	EACH	1
54003000	CONCRETE BOX CULVERTS	CU YD	138.2
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	94.0
67100100	MOBILIZATION	L SUM	1
X2070302	POROUS GRANULAR EMBANKMENT (SPECIAL)	TON	515
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	94
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX008873	AGGREGATE SURFACE COURSE (SPECIAL)	TON	500
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

+ INDICATES SPECIALTY ITEM

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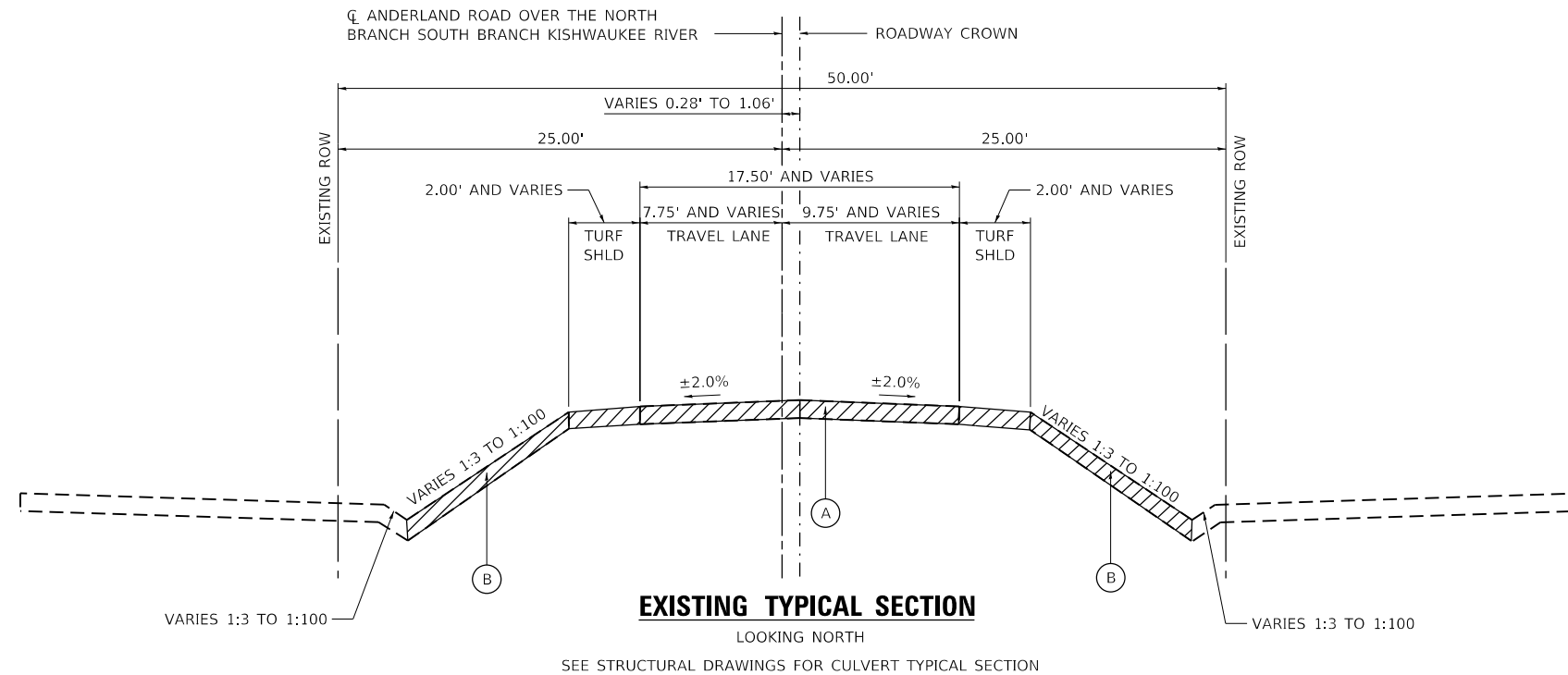


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

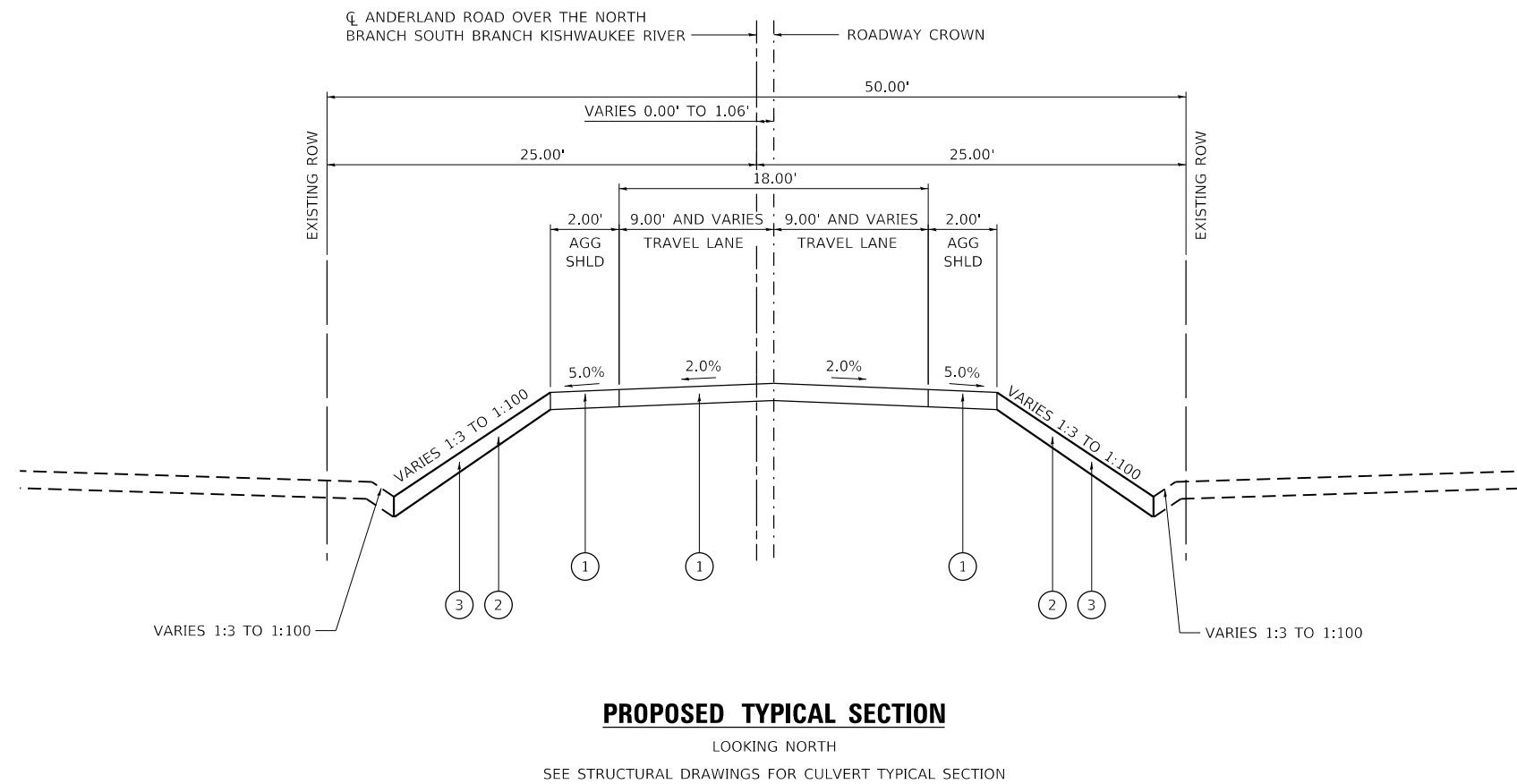
ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER	
SUMMARY OF QUANTITIES	
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TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	4
				CONTRACT NO. 87848
ILLINOIS FED. AID PROJECT				



EXISTING LEGEND

-  REMOVAL ITEMS
- (A) AGGREGATE SURFACE COURSE, 14" AND VARIES
- (B) TOPSOIL, 10" ANTICIPATED



PROPOSED LEGEND

- (1) AGGREGATE SURFACE COURSE (SPECIAL) 18"
- (2) TOPSOIL EXCAVATION AND PLACEMENT
- (3) SEEDING

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 STRAND ASSOCIATES



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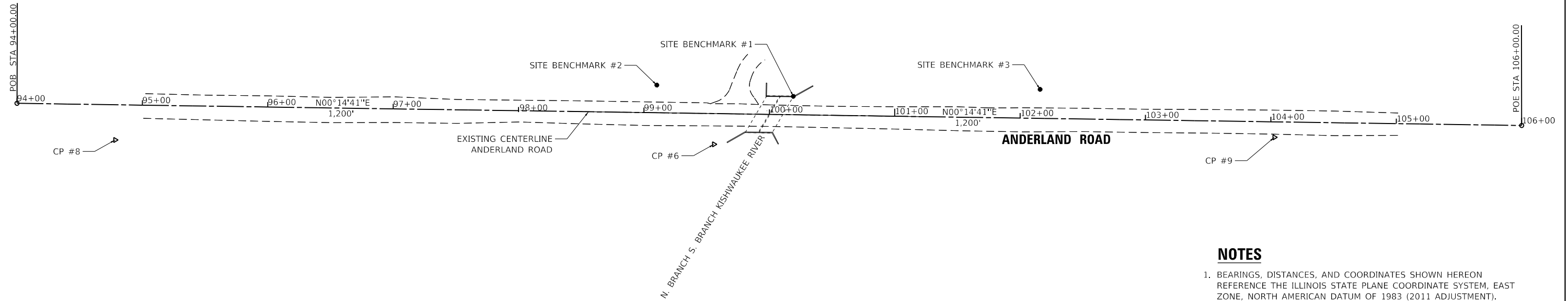
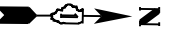
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER		TWP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL SECTIONS		96	20-01009-01-BR	DEKALB	20	5
SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CONTRACT NO. 87848	
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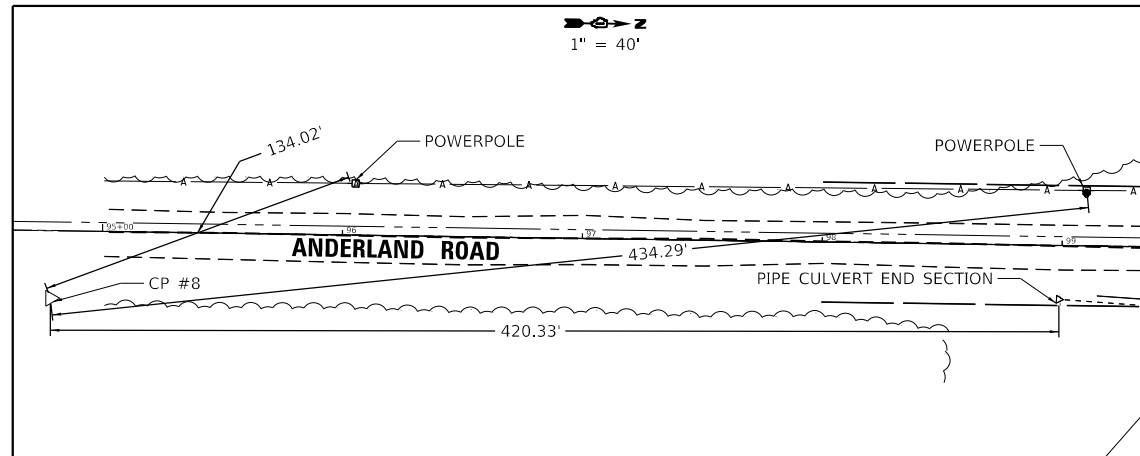
EXISTING CENTERLINE
ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER

Point Type	Station	Northing	Easting
POB	94+00.00	1,896,544.4127	849,533.9573
POE	106+00.00	1,897,744.4017	849,539.0818



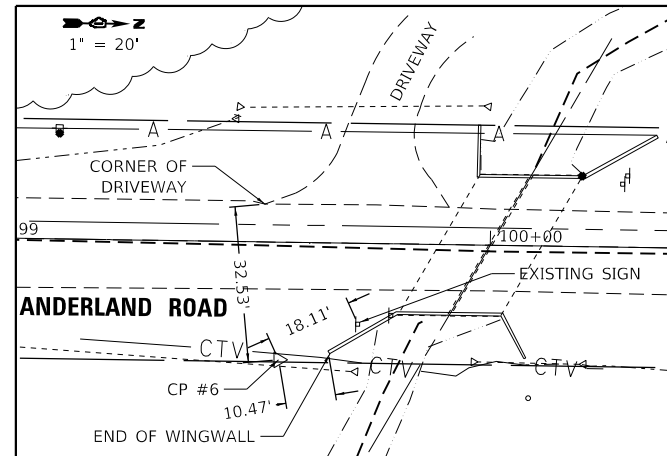
NOTES

- BEARINGS, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT).
- ELEVATION SHOWN HEREON REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).



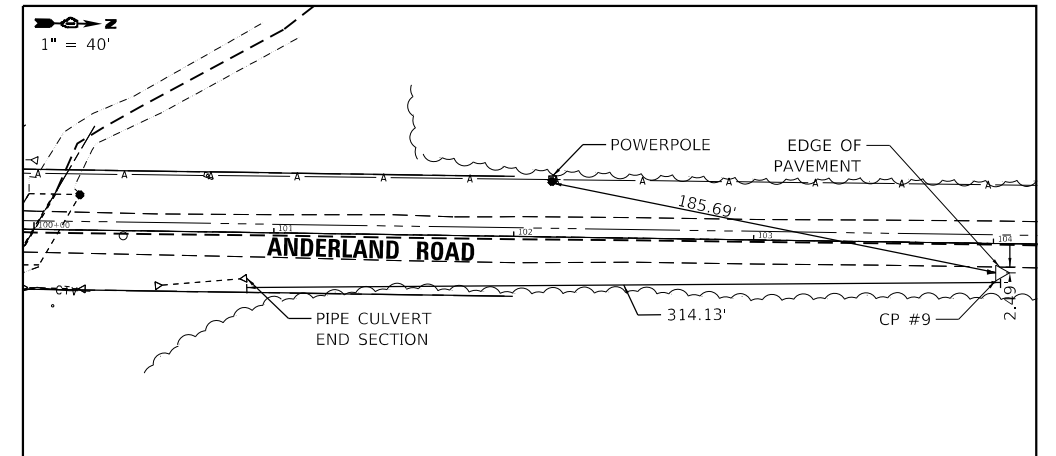
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SET 5/8" REBAR W/CAP
 STA. 94+78.64, 28.10 RT
 N: 1,896,622.9300
 E: 849,562.3900
 ELEV.=861.868



CONTROL POINT #6

SET 5/8" REBAR W/CAP
 STA. 99+56.17, 24.47 RT
 N: 1,897,100.4770
 E: 849,560.8060
 ELEV.=861.506



CONTROL POINT #9

SET 5/8" REBAR W/CAP
 STA. 104+3.00, 12.28 RT
 N: 1,897,547.3560
 E: 849,550.5250
 ELEV.= 864.529

SITE BENCHMARK #1

ELEVATION=861.501
 SET CUT SQUARE ON TOP OF THE NW.
 CORNER OF THE BOX CULVERT ON THE
 WEST SIDE OF ANDERLAND ROAD.

SITE BENCHMARK #2

ELEVATION=861.521
 SET R.R SPIKE IN THE E. FACE OF THE
 FIRST POWER POLE SOUTH OF THE BOX
 CULVERT ON ANDERLAND ROAD.

SITE BENCHMARK #3

ELEVATION=863.571
 SET R.R SPIKE IN THE W. FACE OF THE
 FIRST POWER POLE NORTH OF THE BOX
 CULVERT ON ANDERLAND ROAD.

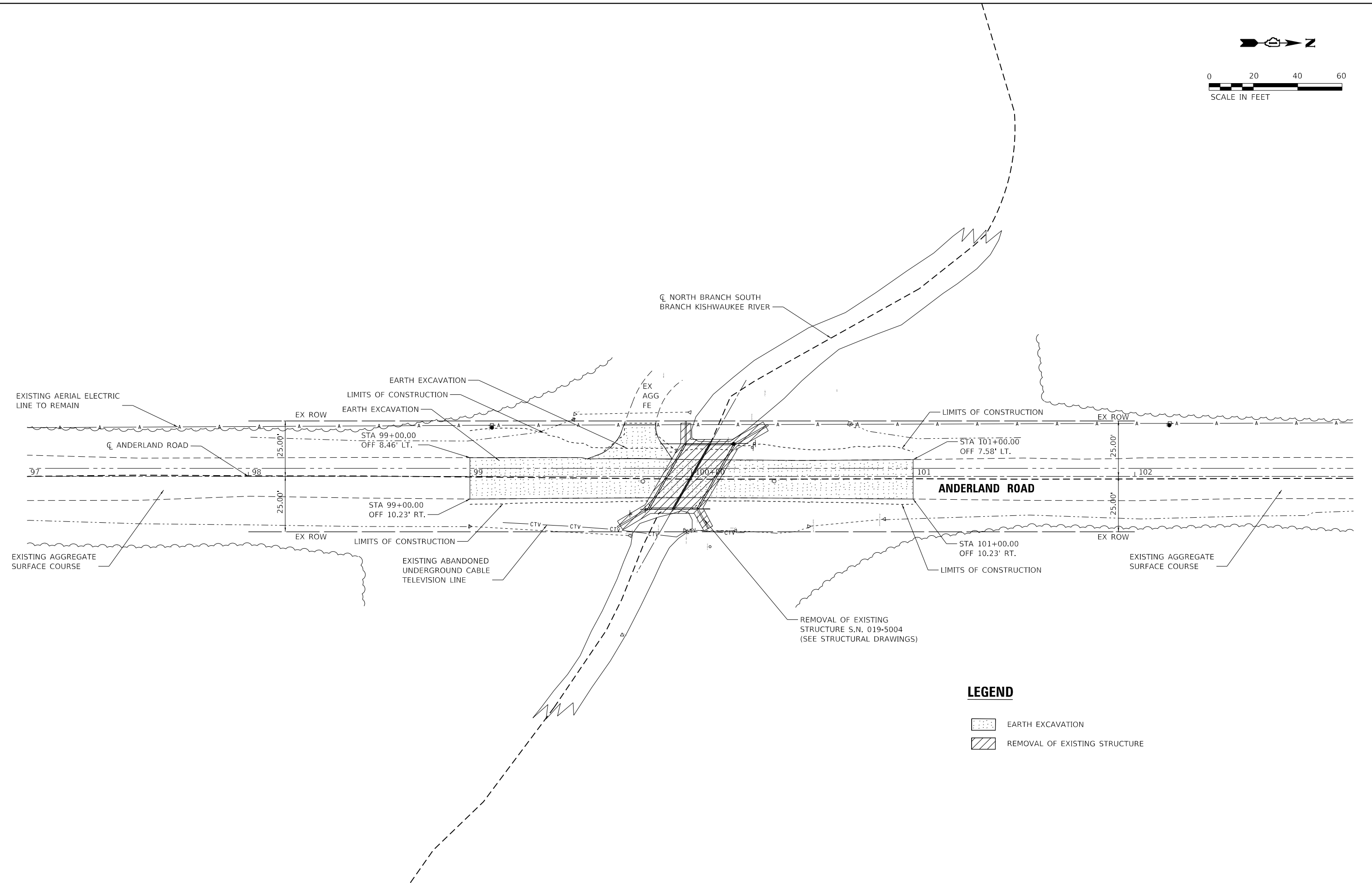
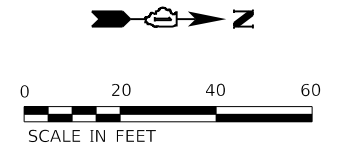
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 STRAND ASSOCIATES*



USER NAME = AlexSc	DESIGNED - AMS	REVISED -
PLOT SCALE = 80.0000' / in.	DRAWN - JAS	REVISED -
PLOT DATE = 5/28/2024	CHECKED - AJS	REVISED -
	DATE - 4/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER		TWP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ALIGNMENT, TIES, AND BENCHMARK		96	20-01009-01-BR	DEKALB	20	6
SCALE: NTS		SHEET 1 OF 1 SHEETS		CONTRACT NO. 87848		
STA. TO STA.		ILLINOIS		FED. AID PROJECT		



LEGEND

- EARTH EXCAVATION
- REMOVAL OF EXISTING STRUCTURE

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 STRAND ASSOCIATES

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = AlexSc	DESIGNED - AMS	REVISED -
DRAWN - JAS	REVISIED -	
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PLOT DATE = 5/28/2024	DATE - 4/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

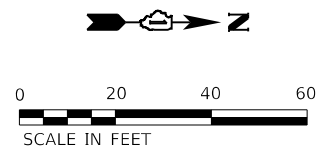
ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER
REMOVAL PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 97+00 TO STA. 103+00

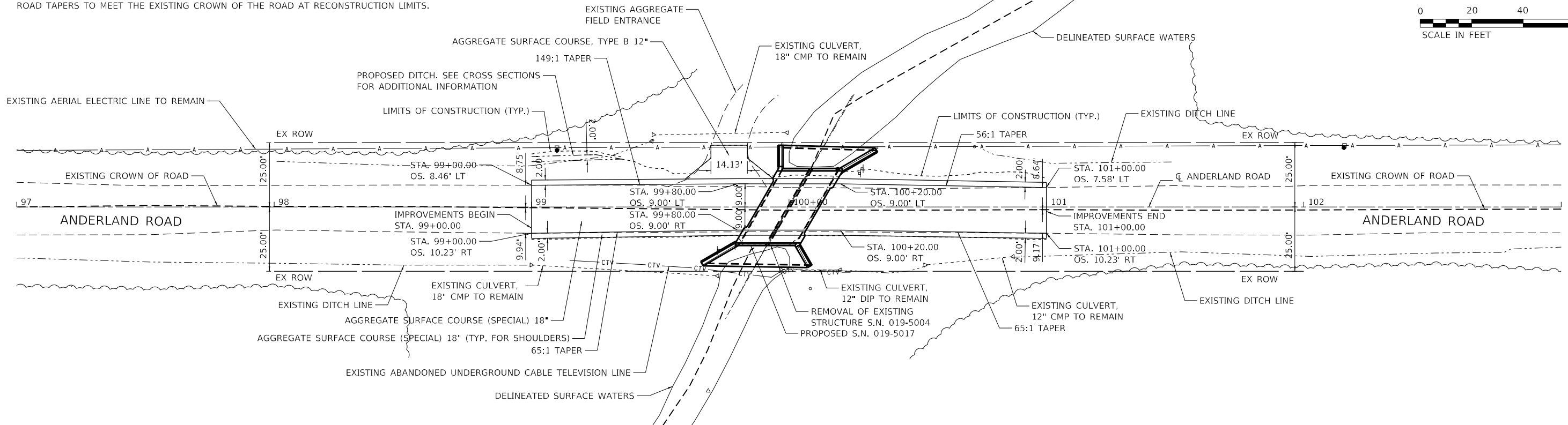
TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	7
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 87848

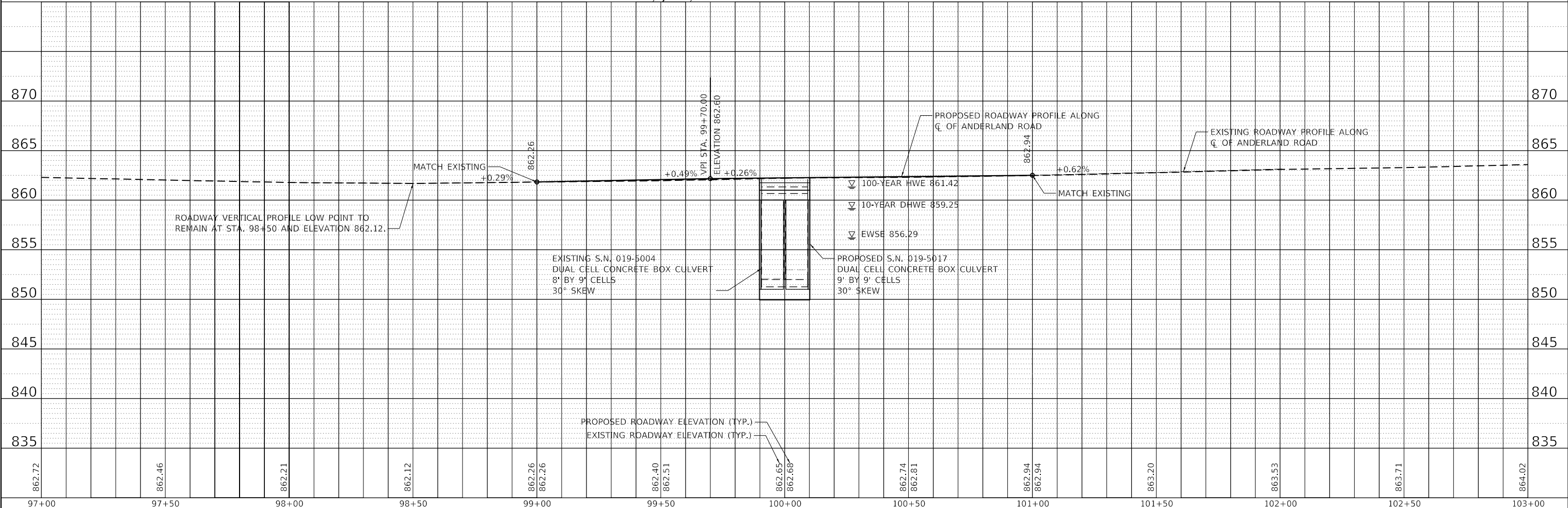
NOTE: THE PROPOSED ROADWAY IS CENTERED WITHIN THE RIGHT OF WAY AND CENTERED ON THE BOX CULVERT BETWEEN STA. 99+80.00 AND STA. 100+20.00. BETWEEN STA. 99+00.00 AND 99+80.00, AND BETWEEN STA. 100+20.00 AND STA. 101+00.00, THE PROPOSED CROWN OF THE ROAD TAPERS TO MEET THE EXISTING CROWN OF THE ROAD AT RECONSTRUCTION LIMITS.



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



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STRAND ASSOCIATES*

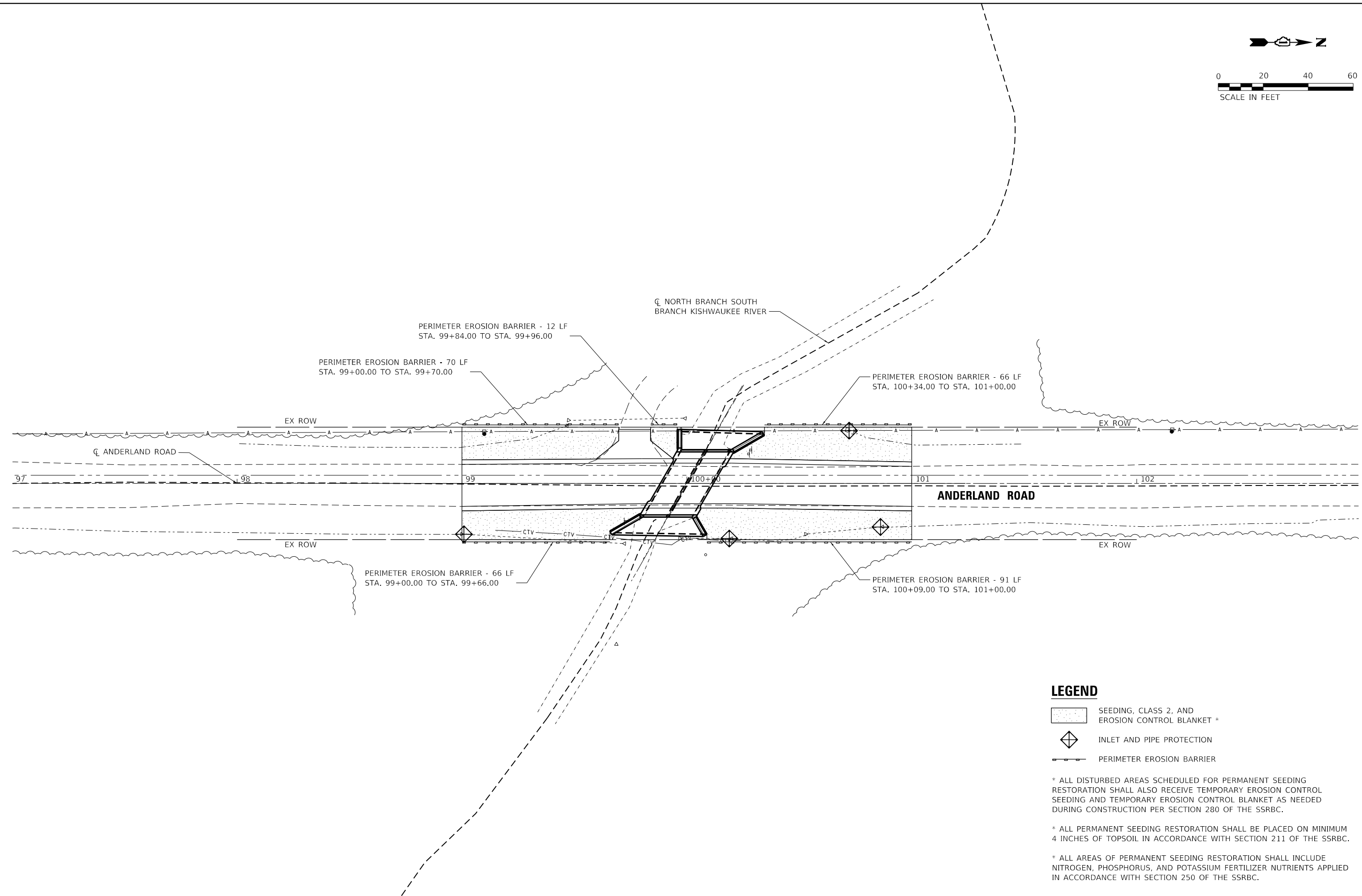
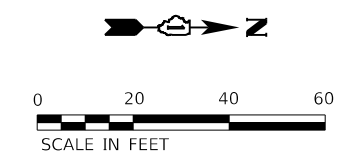
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	DRAWN - JAS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - AJS	REVISED -
PLOT DATE = 5/28/2024	DATE - 4/22/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER
PLAN AND PROFILE

TWP RTE. 96	SECTION 20-01009-01-BR	COUNTY DEKALB	TOTAL SHEETS 20	SHEET NO. 8
SCALE: 1" = 20'			SHEET 1 OF 1 SHEETS STA. 97+00 TO STA. 103+00	
ILLINOIS FED. AID PROJECT				

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200



LEGEND

- SEEDING, CLASS 2, AND EROSION CONTROL BLANKET *
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

* ALL DISTURBED AREAS SCHEDULED FOR PERMANENT SEEDING RESTORATION SHALL ALSO RECEIVE TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET AS NEEDED DURING CONSTRUCTION PER SECTION 280 OF THE SSRBC.

* ALL PERMANENT SEEDING RESTORATION SHALL BE PLACED ON MINIMUM 4 INCHES OF TOPSOIL IN ACCORDANCE WITH SECTION 211 OF THE SSRBC.

* ALL AREAS OF PERMANENT SEEDING RESTORATION SHALL INCLUDE NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS APPLIED IN ACCORDANCE WITH SECTION 250 OF THE SSRBC.

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 STRAND ASSOCIATES*

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = AlexSc	DESIGNED - ZHNS	REVISED -
	DRAWN - ZHNS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - AJ&JS	REVISED -
PLOT DATE = 5/28/2024	DATE - 4/22/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER
 EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 97+00 TO STA. 103+00

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87848	

Benchmark: Cut Square on top of NW corner of box culvert on the west side of Anderland Road.
Sta. 100+18.93 Offset 14.67' LT. Elev. 861.50

Existing Structure: SN 019-5004 was built in 1960 as the two-cell culvert under Anderland Road over North Branch South Branch Kishwaukee River. The culvert was constructed with a approximate 30 degree skew relative to perpendicular. The culvert has a length of approximately 34'-0" along its centerline. The concrete headwalls are parallel to the roadway and measure approximately 29'-6" out-to-out.

Traffic Control: Unposted Detour

Salvage: None

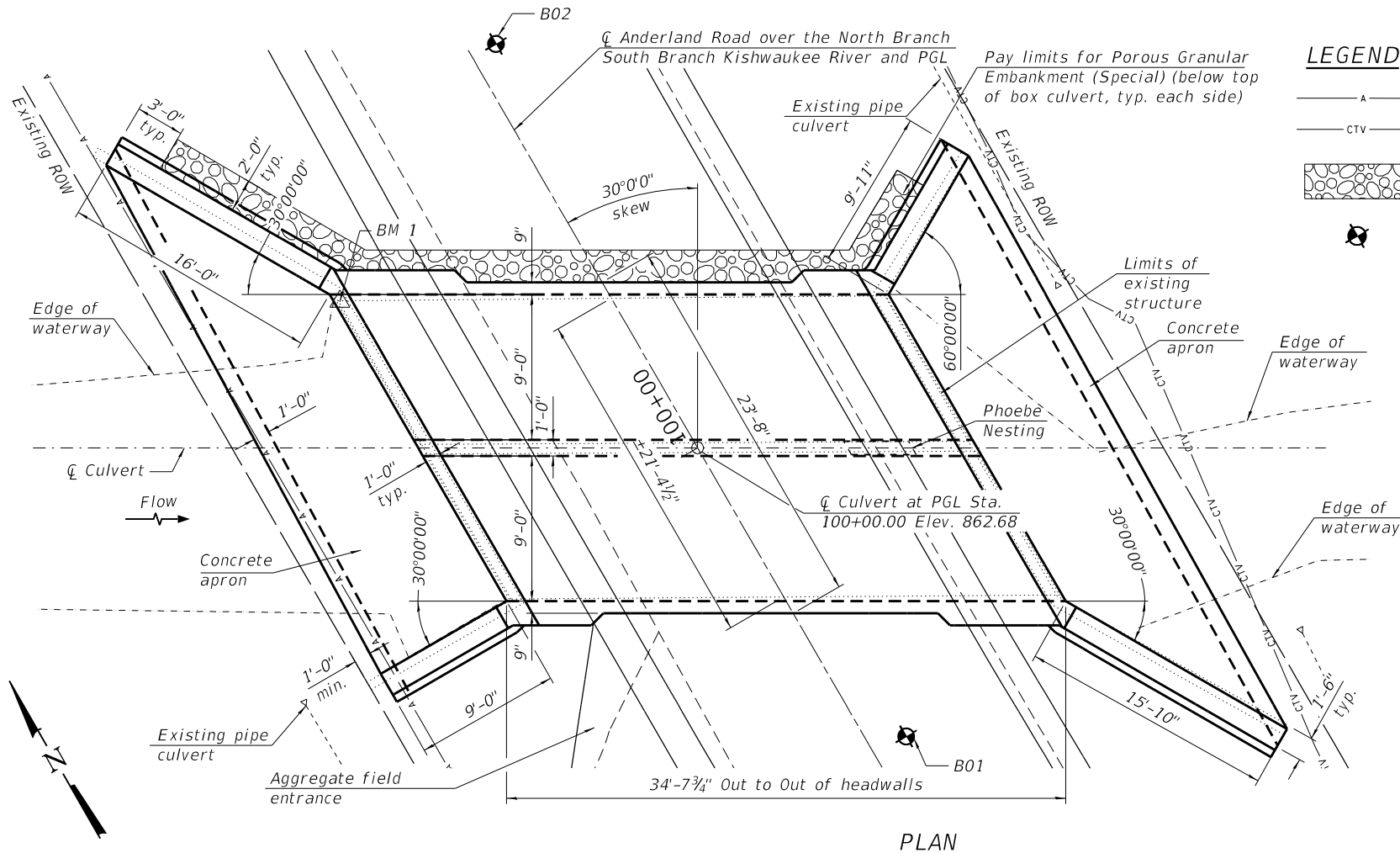
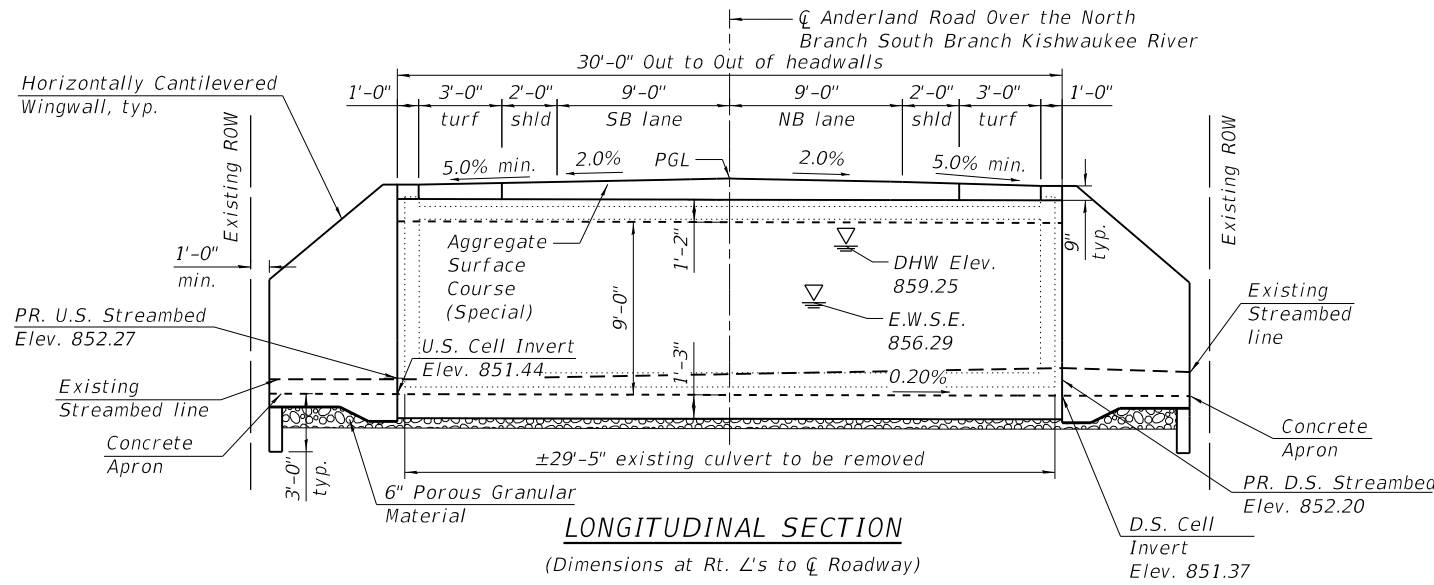
Precast alternate is not allowed

WATERWAY INFORMATION

Drainage Area = 5.11 sq. mi			Existing Overtopping Elev. 862.12 @ Sta. 98+50.00						
			Proposed Overtopping Elev. 862.12 @ Sta. 98+50.00						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	384	113	117	859.25	0.00	0.00	859.25	859.25
Base	10	384	113	117	859.25	0.00	0.00	859.25	859.25
Scour Check	100	669	134	138	861.25	0.20	0.17	861.45	861.42
Overtop Ex.	500	865	134	138	862.18	0.39	0.37	862.57	862.55
Overtop Pr.	500	865	134	138	862.18	0.39	0.37	862.57	862.55
Max. Calc.	500	865	134	138	862.18	0.39	0.37	862.57	862.55

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes and Details
3. Culvert Details (1 of 5)
4. Culvert Details (2 of 5)
5. Culvert Details (3 of 5)
6. Culvert Details (4 of 5)
7. Culvert Details (5 of 5)
8. Boring Logs



LEGEND

- A — Existing Aerial Lines
- ctv — Existing underground tv line
- Porous Granular Embankment (Special)
- Soil Boring

DESIGN STRESSES

NEW CONSTRUCTION

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

HIGHWAY CLASSIFICATION

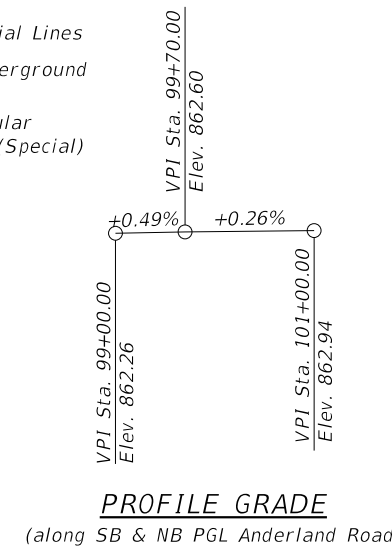
TWP RTE. 96
Functional Class: LOCAL
ADT: 100 (2021); 112(2046)
ADTT: 0% (2021); 0% (2046)
DHV: 10
Design Speed: 55 m.p.h.
Posted Speed: Unposted
Two-Way Traffic
Directional Distribution: 50:50

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge
Design Specifications, 9th Edition

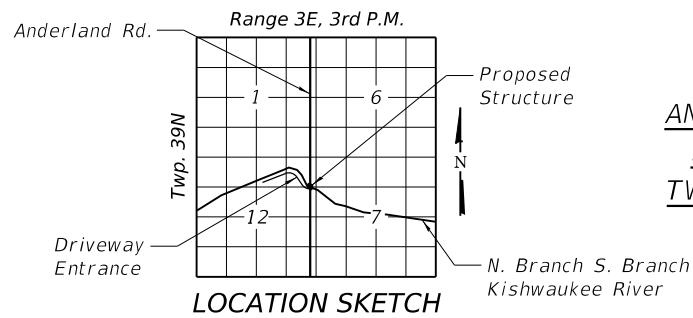
LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.
Structure designed for a min. fill height of 1.00' and a max. fill height of 2.00'



PROFILE GRADE

(along SB & NB PGL Anderland Road)



LOCATION SKETCH

GENERAL PLAN AND ELEVATION ANDERLAND ROAD OVER NORTH BRANCH SOUTH BRANCH KISHWAUKEE RIVER TWP. RTE. 96 SECTION 20-01009-01-BR

DEKALB COUNTY

STA 100+00.00
S.N. 019-5017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 019-5017

SHEET 1 OF 8 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	10
CONTRACT NO. 87848				

ILLINOIS FED. AID PROJECT

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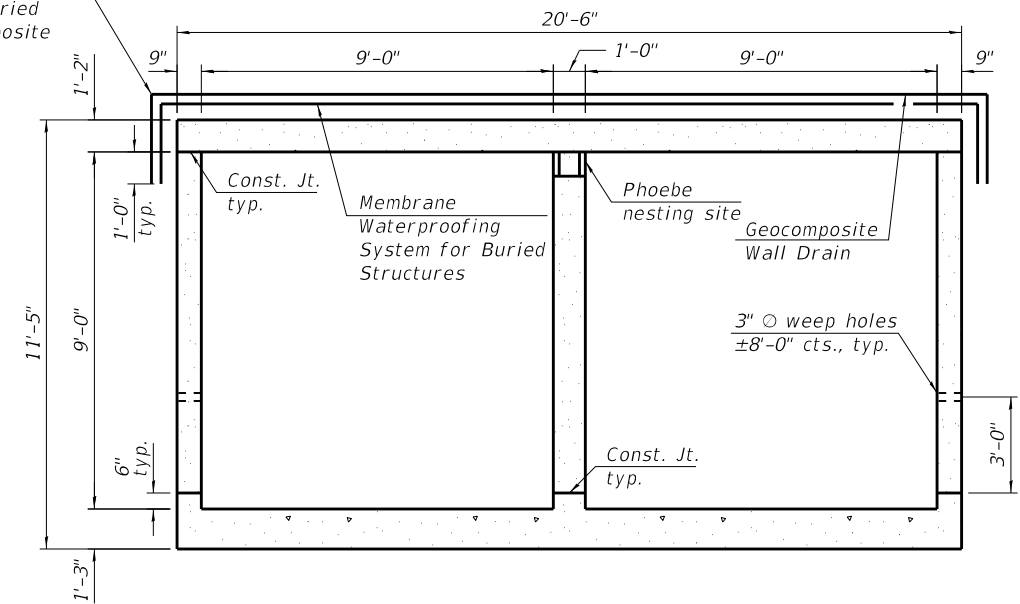
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = AlexSc	DESIGNED -	REVISOR -
PLOT SCALE = 0:2.0000 "/>		

GENERAL NOTES

1. The Illinois Department of Transportation is not the owner of record for this culvert.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bar indicated thus 8x3 - #4 etc. indicated 8 lines of bars with 3 lengths per line.
4. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit price bid for the work.
5. Concrete Sealer shall not be applied to surfaces to which Waterproofing Membrane System is applied.
6. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3708 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
7. The Contractor shall be responsible for diverting the water flow from the construction area using a method meeting the approval of the Engineer and included in the unit cost of Concrete Box Culverts.
8. The Contractor shall be responsible for groundwater control during construction of the box culvert. Water seepage shall be controlled as recommended in the geotechnical report and included in the unit cost of Concrete Box Culverts.

Pay limits for Membrane Water Proofing System for Buried Structures and Geocomposite Wall Drain

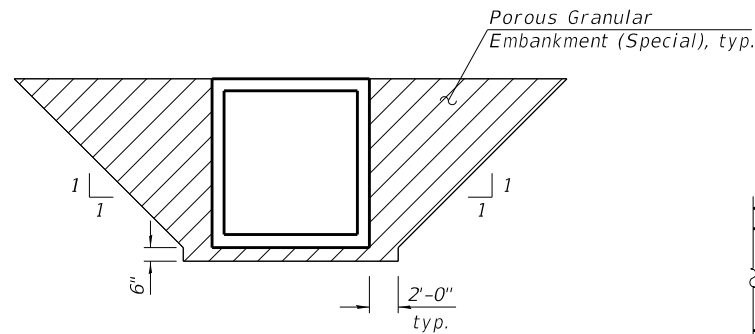


SECTION THRU BARREL

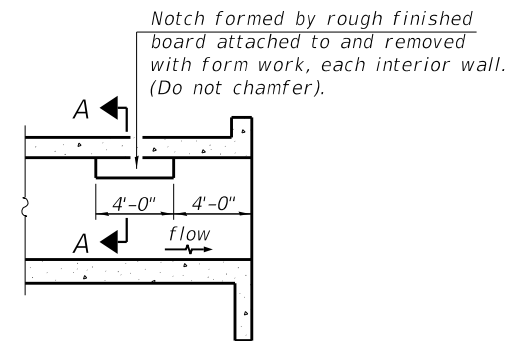
Phoebe nesting sites at downstream end of interior wall.

STATION 100+00
BUILT 2024 BY
DEKALB COUNTY
AFTON ROAD DISTRICT
MILAN ROAD DISTRICT
TR96 SEC20-01009-01-BR
LOADING HL-93
S.N. 019-5017

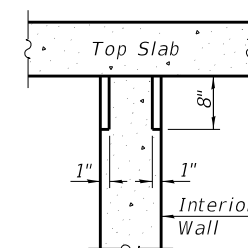
NAME PLATE
See Std. 515001



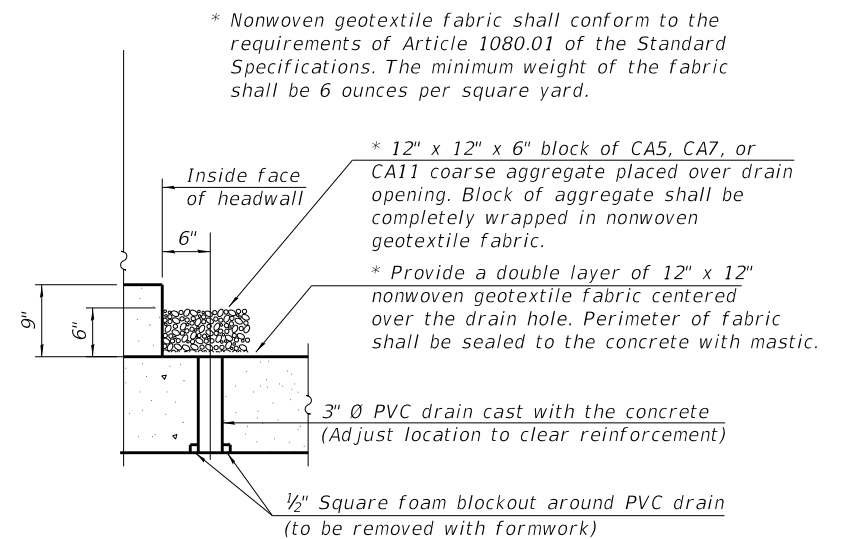
PAY LIMITS FOR POROUS GRANULAR EMBANKMENT (SPECIAL)



LONGITUDINAL SECTION



SECTION A-A PHOEBE NESTING SITE DETAILS (Downstream End Only)



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.)

Headwall drains to be located center span of each cell each culvert end.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
CHANNEL EXCAVATION	CU YD	16
REMOVAL OF EXISTING STRUCTURES	EACH	1
STRUCTURE EXCAVATION	CU YD	104
REINFORCEMENT BARS, EPOXY COATED	POUND	43,790
NAME PLATES	EACH	1
CONCRETE BOX CULVERTS	CU YD	138.2
GEOCOMPOSITE WALL DRAIN	SQ YD	94
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	94
POROUS GRANULAR EMBANKMENT (SPECIAL)	TON	515

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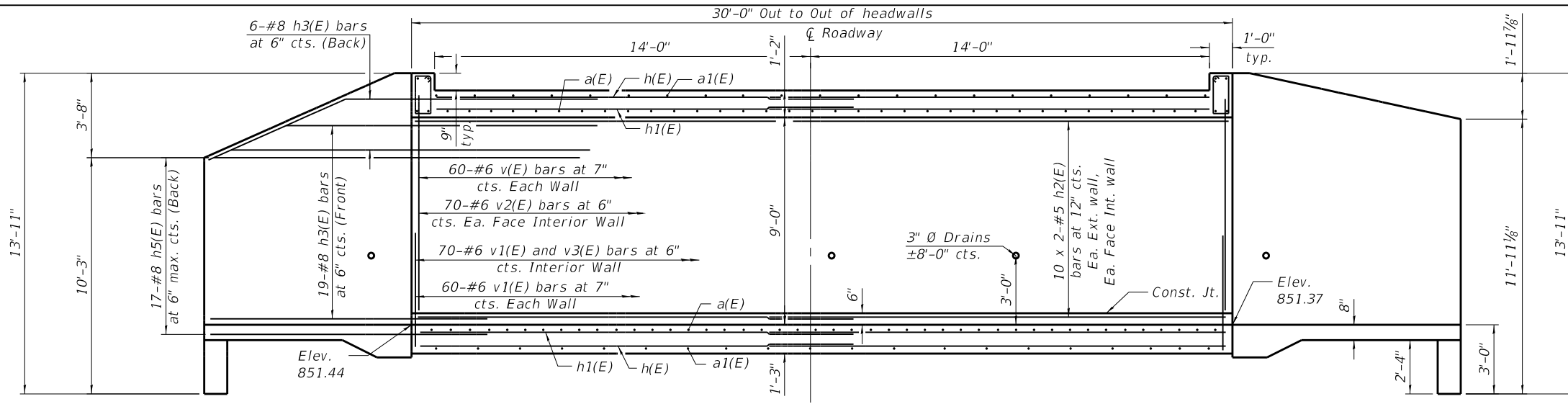
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = AlexSc	DESIGNED -	REVISED -
	PLOT SCALE = 0:2.0000 "/in.	CHECKED -	REVISED -
	PLOT DATE = 5/28/2024	DRAWN - JAS	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND DETAILS
STRUCTURE NO. 019-5017**

SHEET 2 OF 8 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87848	

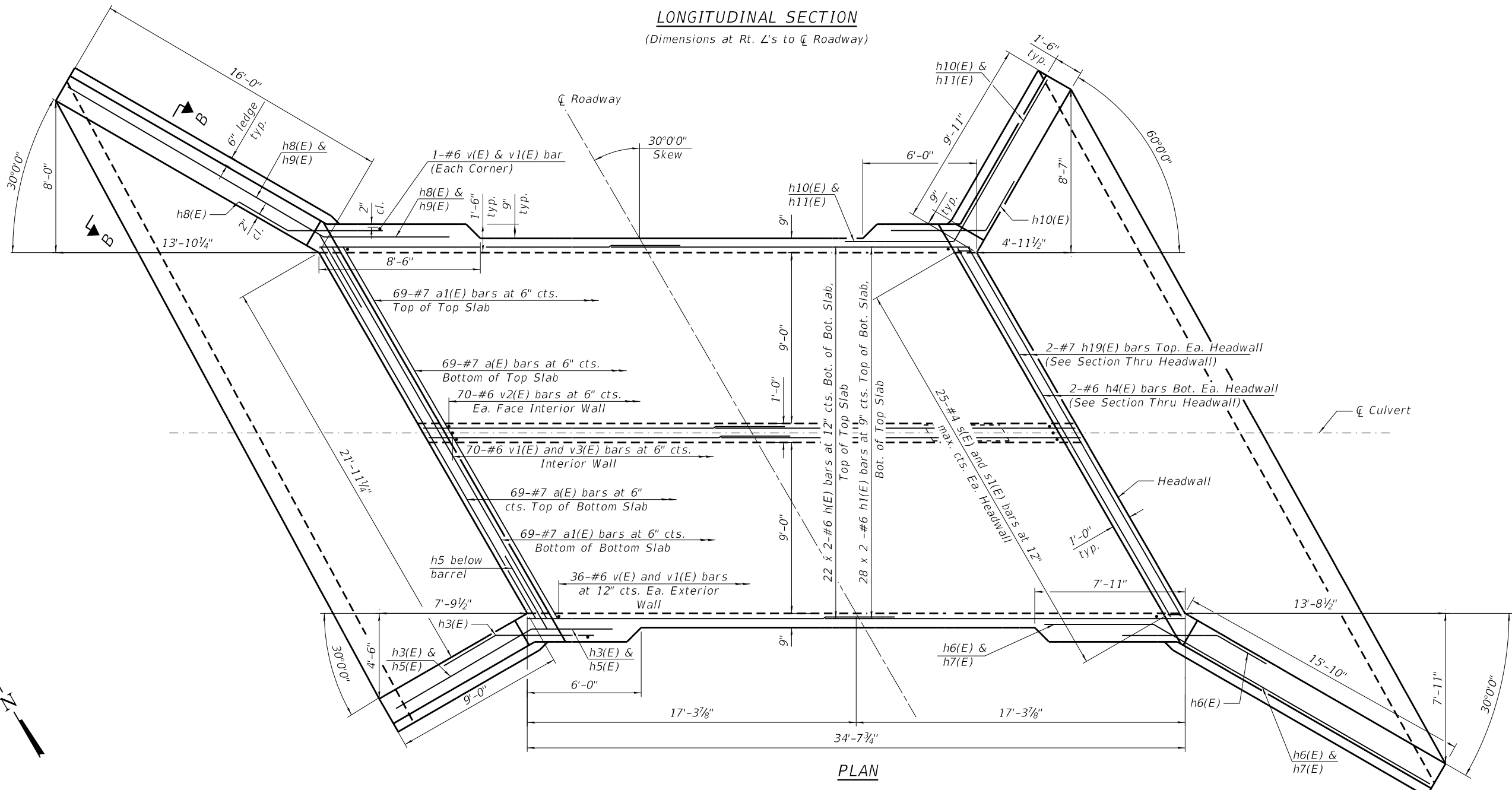


SW and NE Wing dimensions shown, see sheet 4 of 8 for wingwall reinforcing

MIN. LAP

#4	= 2'-11"
#5	= 3'-7"
#6	= 4'-4"
#7	= 5'-0"
#8	= 5'-9"

LONGITUDINAL SECTION
(Dimensions at Rt. L's to \bar{C} Roadway)



PLAN

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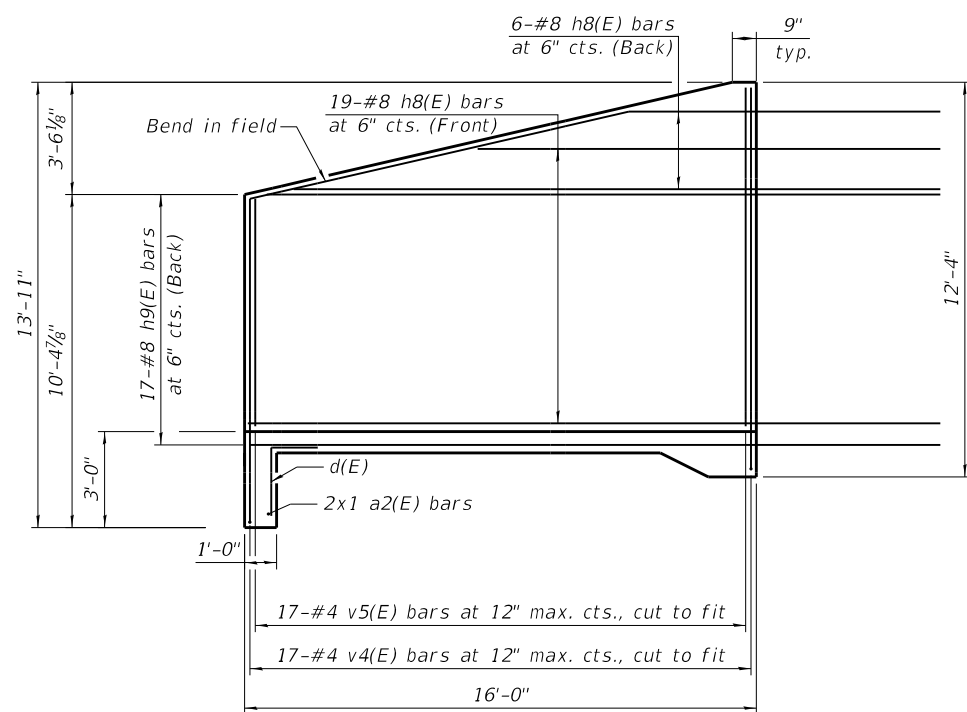
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

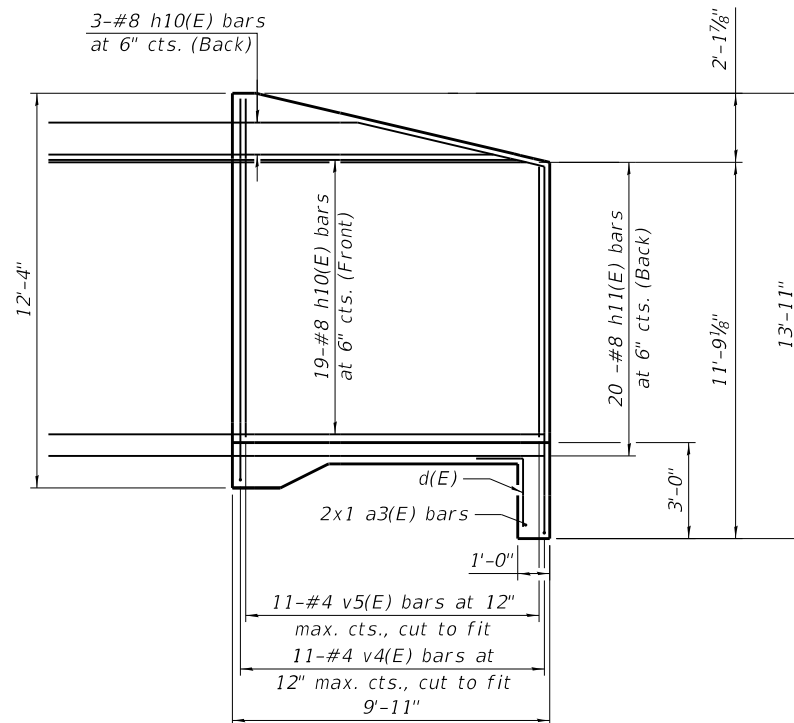
**CULVERT DETAILS (1 OF 5)
STRUCTURE NO. 019-5017**

SHEET 3 OF 8 SHEETS

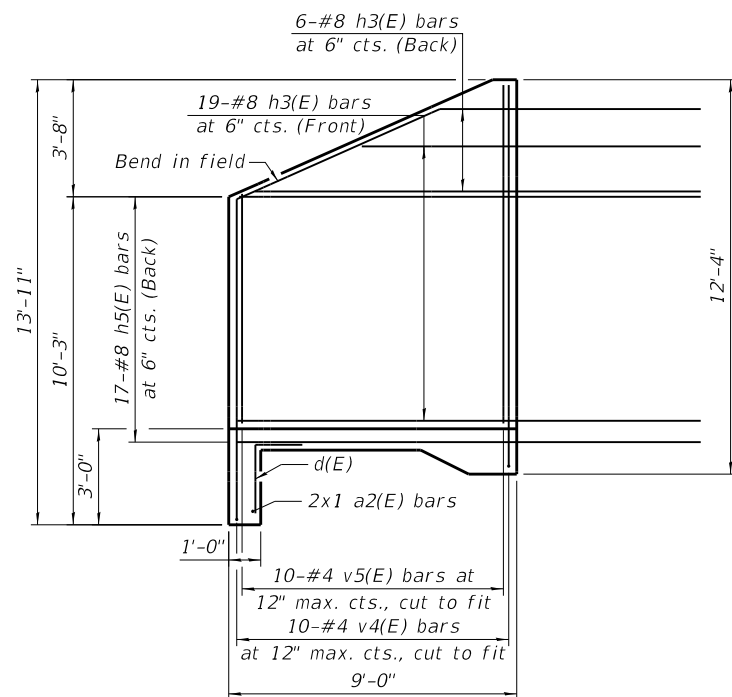
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CONTRACT NO. 87848				
ILLINOIS FED. AID PROJECT				



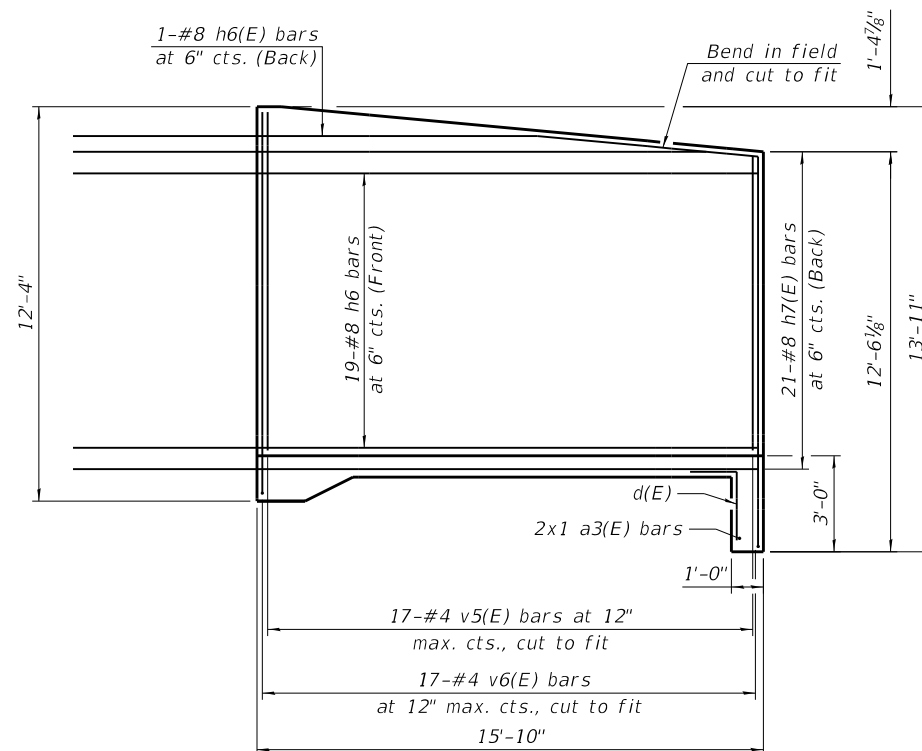
NW Wing wall



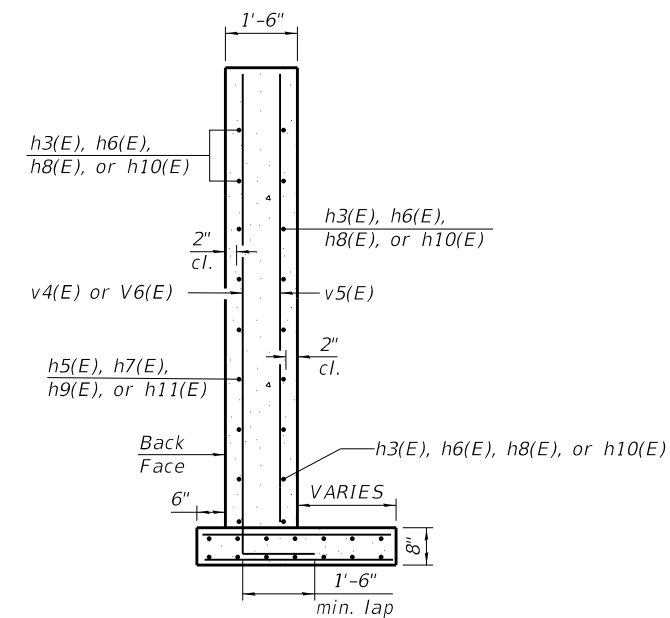
NE Wing wall



SW Wing wall



SE Wing wall



SECTION B-B
(See Plan View sheet 3 of 8)

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SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = AlexSc	DESIGNED -	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED -	REVISED -
PLOT DATE = 5/28/2024	DRAWN - JAS	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

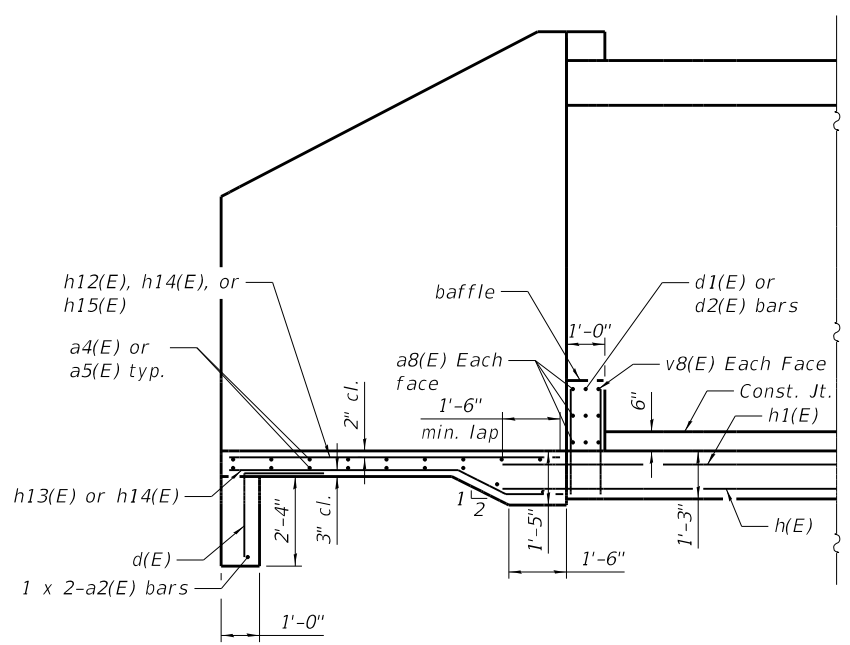
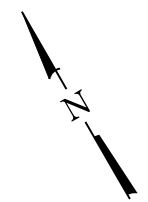
CULVERT DETAILS (2 OF 5)
STRUCTURE NO. 019-5017

SHEET 4 OF 8 SHEETS

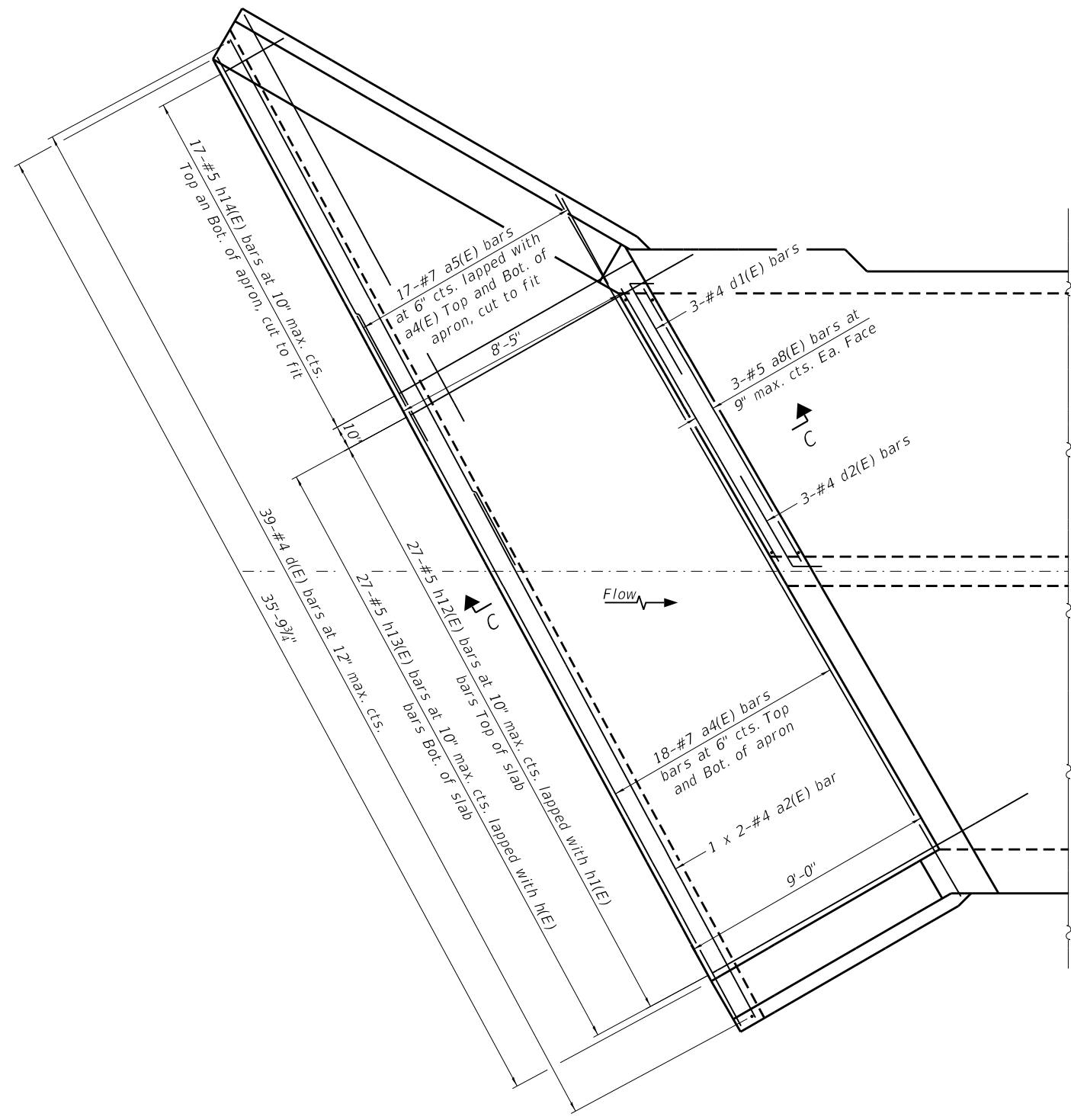
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96	20-01009-01-BR	DEKALB	20	13
CONTRACT NO. 87848				

ILLINOIS FED. AID PROJECT

5/28/2024 9:32:28 AM



SECTION C-C
(baffle in north cell of culvert only)



APRON PLAN
(Only Apron and Baffle reinforcement shown for clarity)

- MIN. LAP**
- #4 = 2'-11"
 - #5 = 3'-7"
 - #6 = 4'-4"
 - #7 = 5'-0"
 - #8 = 5'-9"

MODEL: SHEET 3
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SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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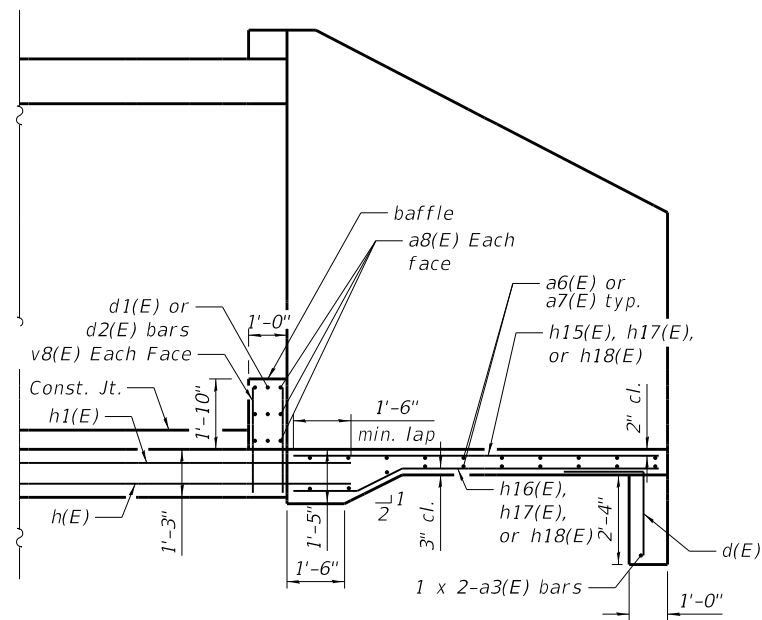
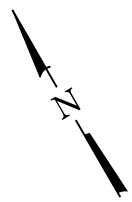
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS (3 OF 5)
STRUCTURE NO. 019-5017**

SHEET 5 OF 8 SHEETS

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS			FED. AID PROJECT	

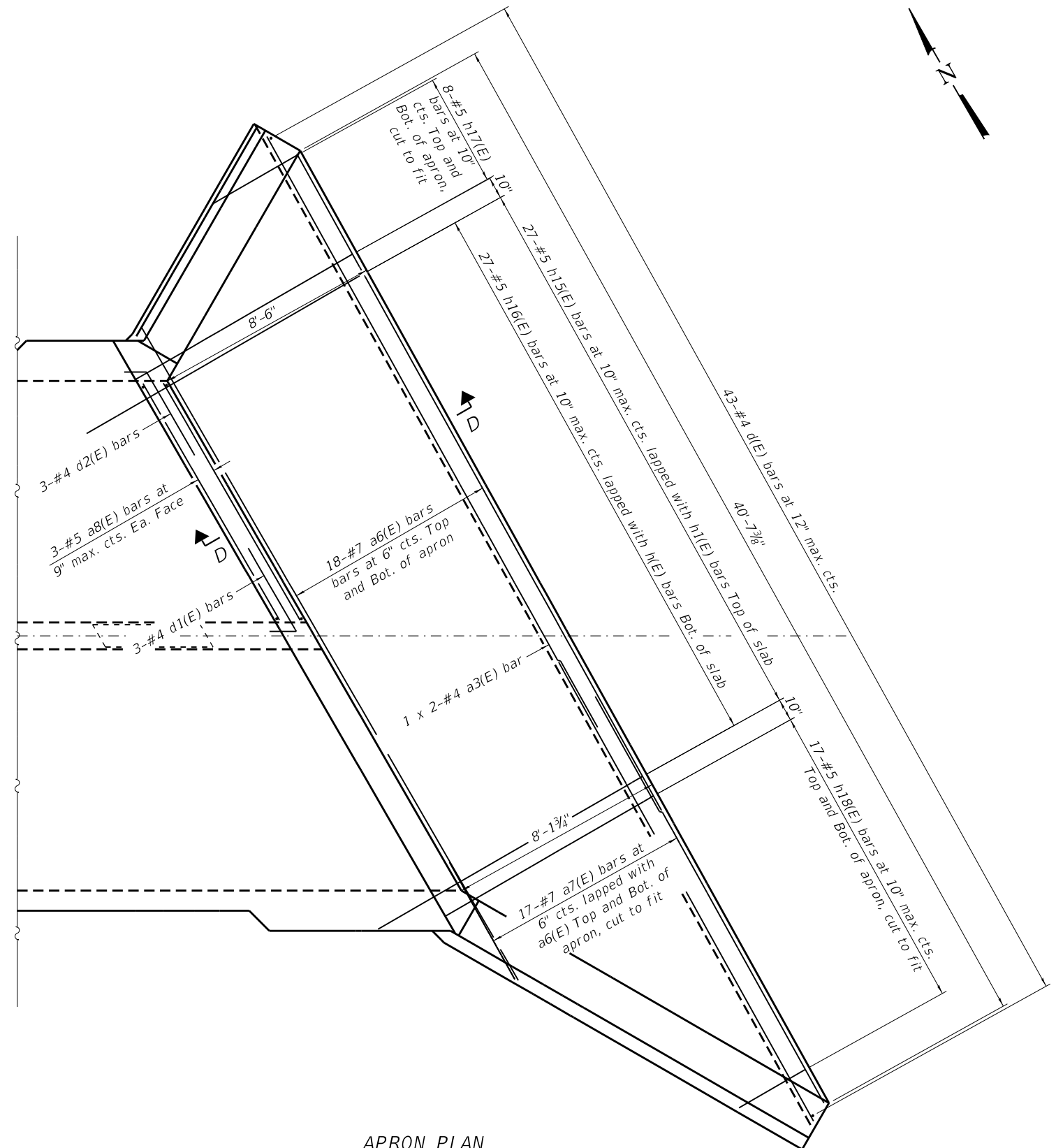
CONTRACT NO. 87848



SECTION D-D
(baffle in north cell of culvert only)

MIN. LAP

- #4 = 2'-11"
- #5 = 3'-7"
- #6 = 4'-4"
- #7 = 5'-0"
- #8 = 5'-9"



APRON PLAN
(Only Apron and Baffle reinforcement shown for clarity)

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CHECKED -	REVISOR -	REVISION -
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PLOT DATE = 5/28/2024	CHECKED -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

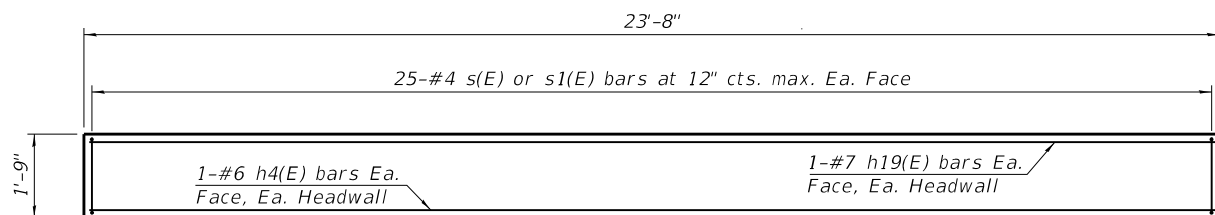
**CULVERT DETAILS (4 OF 5)
STRUCTURE NO. 019-5017**

SHEET 6 OF 8 SHEETS

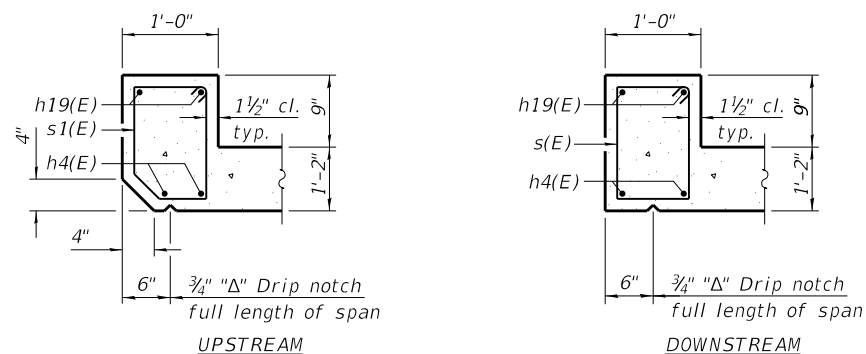
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96	20-01009-01-BR	DEKALB	20	15
CONTRACT NO. 87848				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

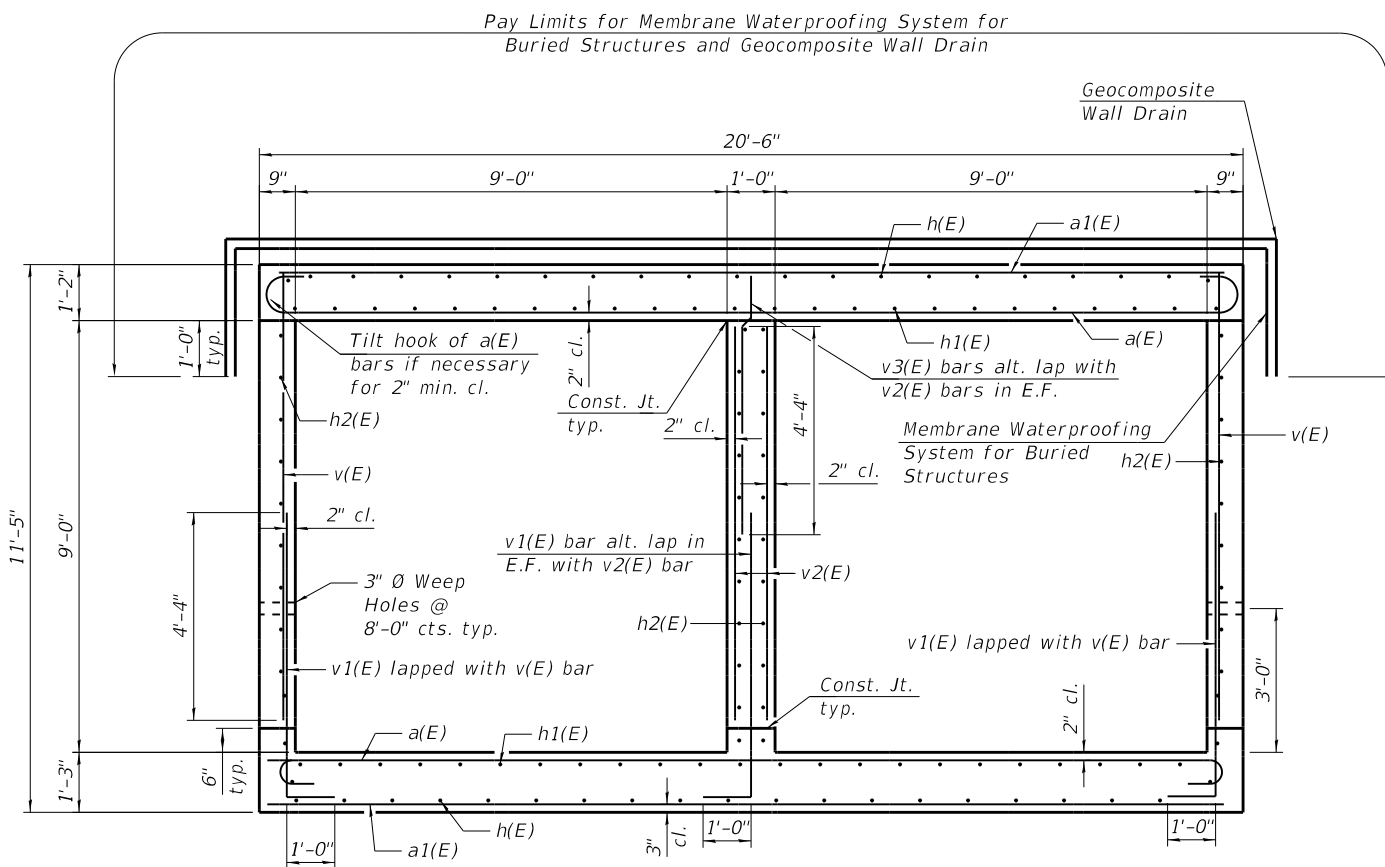
Bar	No.	Size	Length	Shape
a(E)	138	#7	25'-0"	┌
a1(E)	138	#7	23'-4"	┌
a2(E)	2	#4	20'-6"	┌
a3(E)	2	#4	22'-9"	┌
a4(E)	36	#7	27'-8"	┌
a5(E)	32	#7	15'-10"	┌
a6(E)	34	#7	28'-0"	┌
a7(E)	32	#7	19'-6"	┌
a8(E)	12	5	10'-1"	┌
d(E)	82	#4	4'-4"	┌
d1(E)	6	4	3'-9"	┌
d2(E)	6	4	3'-9"	┌
h(E)	88	#6	20'-1"	┌
h1(E)	112	#6	20'-1"	┌
h2(E)	80	#5	18'-7"	┌
h3(E)	25	#8	8'-0"	┌
h4(E)	4	#6	23'-4"	┌
h5(E)	17	#8	14'-7"	┌
h6(E)	20	#8	8'-0"	┌
h7(E)	21	#8	21'-5"	┌
h8(E)	25	#8	8'-0"	┌
h9(E)	17	#8	21'-7"	┌
h10(E)	22	#8	13'-4"	┌
h11(E)	20	#8	15'-6"	┌
h12(E)	27	#5	12'-3"	┌
h13(E)	27	#5	12'-3"	┌
h14(E)	34	#5	9'-2"	┌
h15(E)	27	#5	11'-9"	┌
h16(E)	27	#5	11'-9"	┌
h17(E)	16	#5	9'-4"	┌
h18(E)	34	#5	9'-0"	┌
h19(E)	4	#5	23'-8"	┌
s(E)	25	#4	5'-7"	┌
s1(E)	25	#4	5'-4"	┌
v(E)	124	#6	9'-2"	┌
v1(E)	194	#6	7'-0"	┌
v2(E)	140	#6	8'-2"	┌
v3(E)	70	#6	5'-8"	┌
v4(E)	38	#4	13'-5"	┌
v5(E)	55	#4	10'-7"	┌
v6(E)	17	4	13'-7"	┌
Concrete Box Culverts	CU YD		138.2	
Reinforcement Bars, Epoxy Coated	POUND		43,790	
Geocomposite Wall Drain	SQ YD		94	
Waterproofing Membrane System	SQ YD		94	



HEADWALL ELEVATION



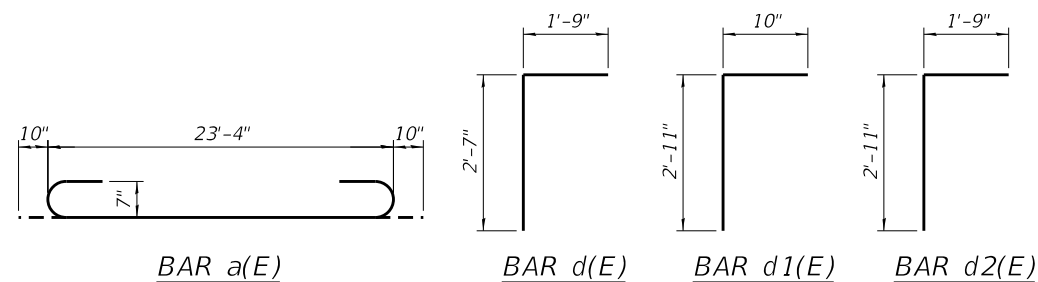
SECTION THRU HEADWALL



SECTION THRU BARREL

MIN. LAP

- #4 = 2'-11"
- #5 = 3'-7"
- #6 = 4'-4"
- #7 = 5'-0"
- #8 = 5'-9"

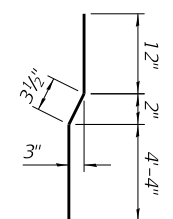


BAR a(E)

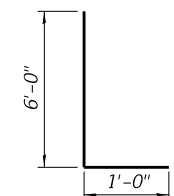
BAR d(E)

BAR d1(E)

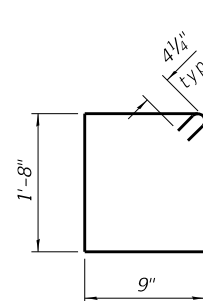
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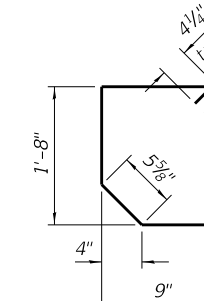
BAR v3(E)



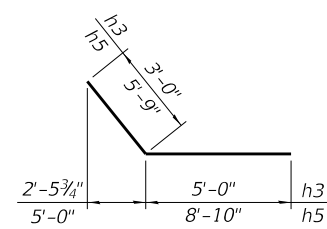
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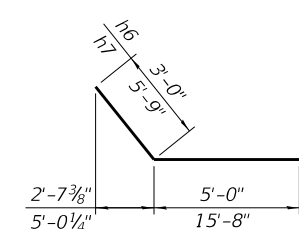
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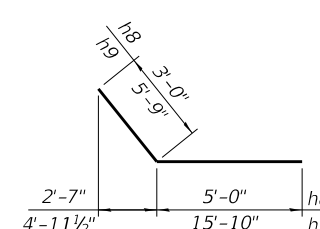
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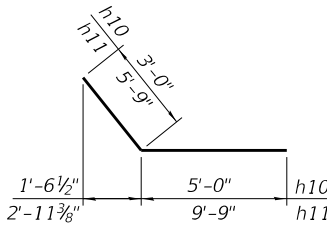
BARS h3(E) and h5(E)



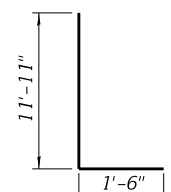
BARS h6(E) and h7(E)



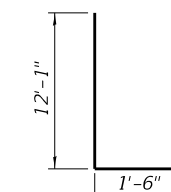
BARS h8(E) and h9(E)



BARS h10(E) and h11(E)



BAR v4(E)



BAR v6(E)

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES IDPFR No. 184-001273

USER NAME = AlexSc	DESIGNED -	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED -	REVISED -
PLOT DATE = 5/28/2024	DRAWN - JAS	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS (5 OF 5)
STRUCTURE NO. 019-5017**

SHEET 7 OF 8 SHEETS

TWP. RTE. 96	SECTION 20-01009-01-BR	COUNTY DEKALB	TOTAL SHEETS 20	SHEET NO. 16
CONTRACT NO. 87848				
ILLINOIS FED. AID PROJECT				

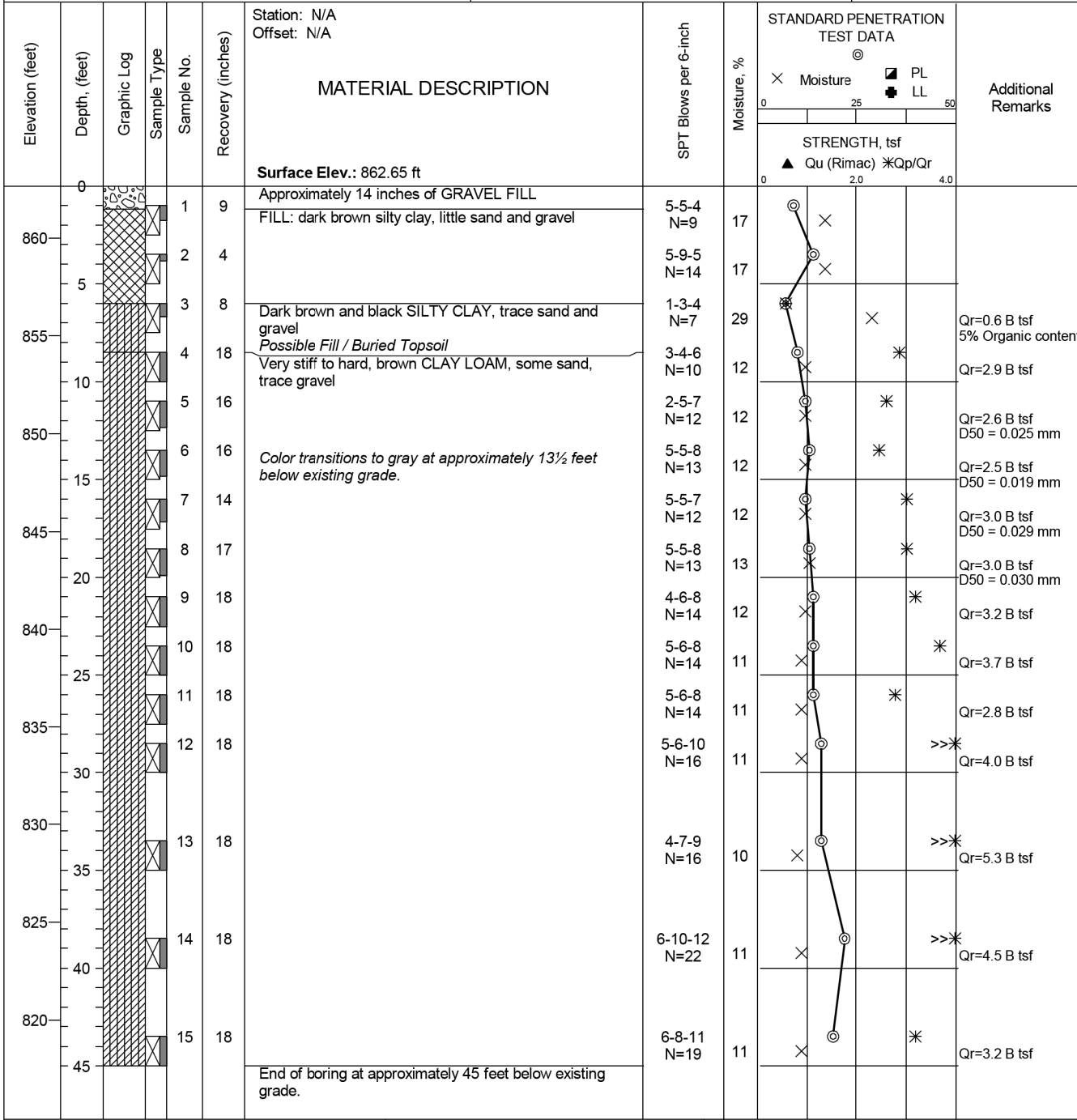


Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING CSB-01

Sheet 1 of 1

Rubino Job No.: G23.187	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***	
Project: Anderland Road Over Kishwaukee Branch	Sampling Method: Split Spoon	While Drilling	N/A
Location: Anderland Road	Hammer Type: Automatic	Upon Completion	N/A
City, State: DeKalb County, Illinois	Boring Location: Anderland Road Southbound lane	Delay	N/A
Client: Strand Associates, Inc.	North of culvert		



Completion Depth: 45.0 ft	Sample Types: Pressuremeter	Latitude: 41.8741621
Date Boring Started: 1/10/24	Auger Cutting	Longitude: -88.8279692
Date Boring Completed: 1/10/24	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: P.P.	Rock Core	Remarks: Hole Collapse at ~38 feet BEG
Drilling Contractor: Rubino Engineering, Inc.		Log Entry: P. Patel
		Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

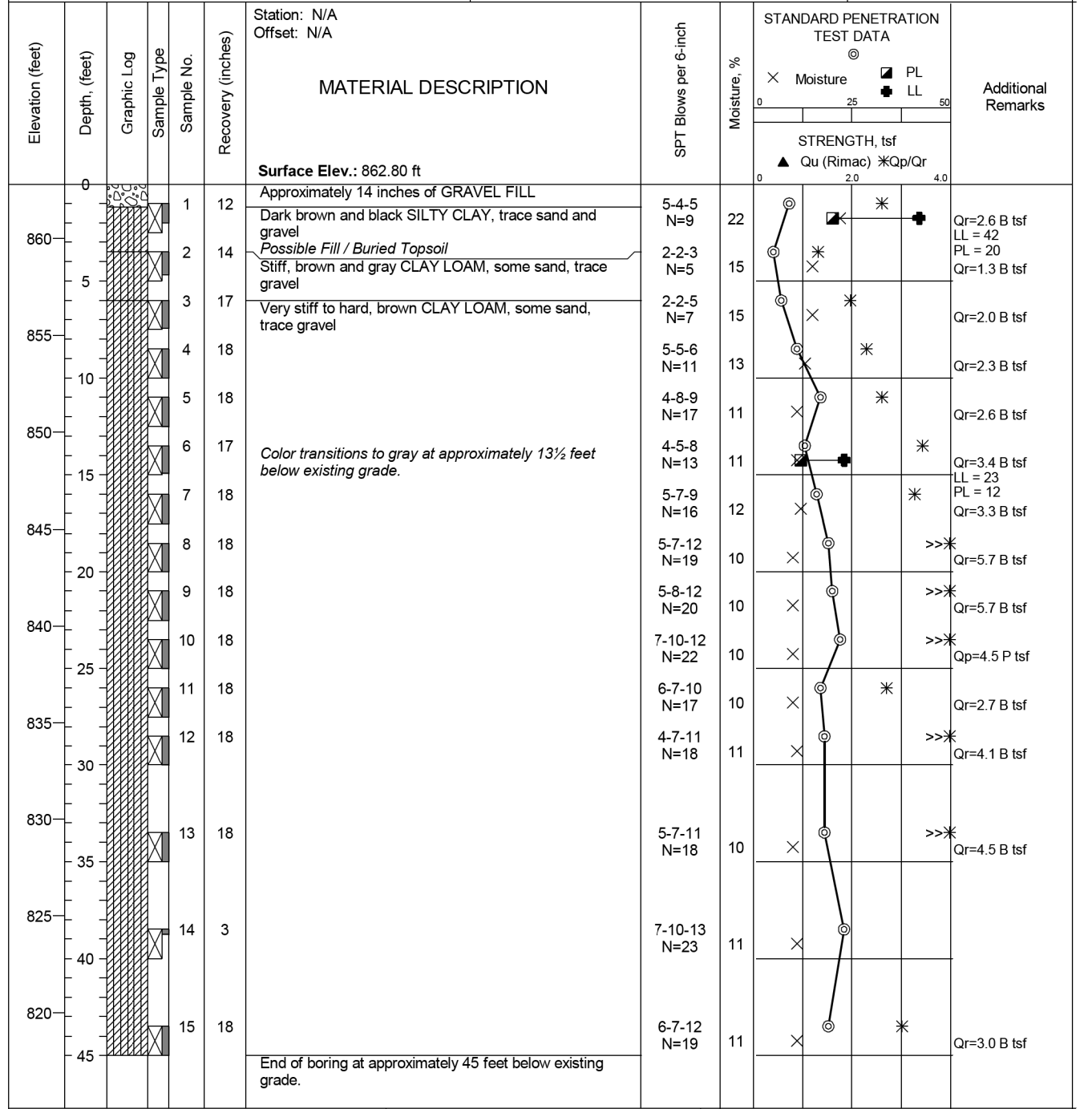


Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING CSB-02

Sheet 1 of 1

Rubino Job No.: G23.187	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***	
Project: Anderland Road Over Kishwaukee Branch	Sampling Method: Split Spoon	While Drilling	N/A
Location: Anderland Road	Hammer Type: Automatic	Upon Completion	N/A
City, State: DeKalb County, Illinois	Boring Location: Anderland Road Northbound lane	Delay	N/A
Client: Strand Associates, Inc.	South of culvert		



Completion Depth: 45.0 ft	Sample Types: Pressuremeter	Latitude: 41.8742976
Date Boring Started: 1/10/24	Auger Cutting	Longitude: -88.8280047
Date Boring Completed: 1/10/24	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: P.P.	Rock Core	Remarks: Hole Collapse at ~40 feet BEG
Drilling Contractor: Rubino Engineering, Inc.		Log Entry: P. Patel
		Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

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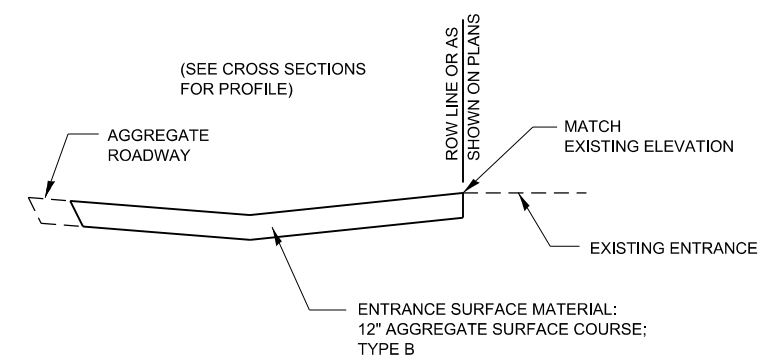
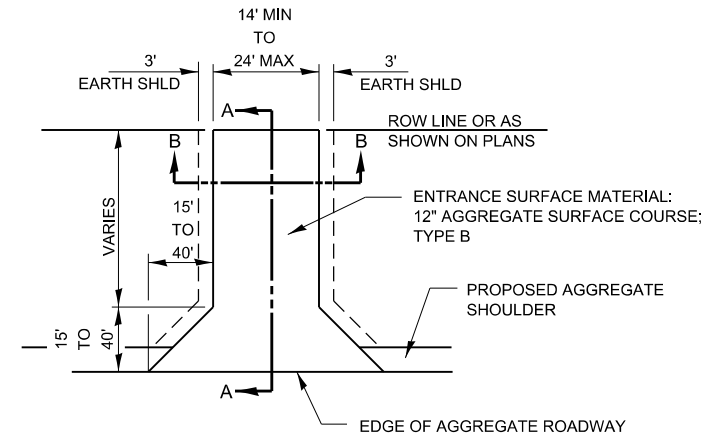
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

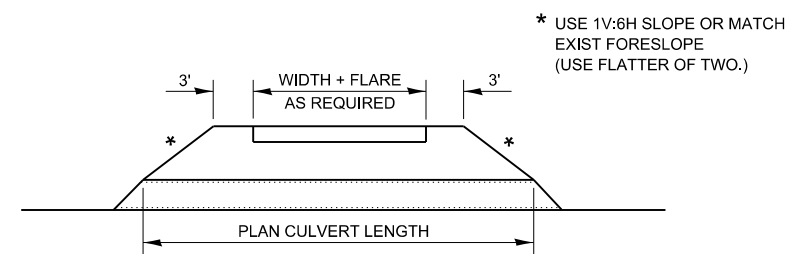
BORING LOGS
STRUCTURE NO. 019-5017

SHEET 8 OF 8 SHEETS

TWP. RTE. 96	SECTION 20-01009-01-BR	COUNTY DEKALB	TOTAL SHEETS 20	SHEET NO. 17
CONTRACT NO. 87848				
ILLINOIS FED. AID PROJECT				



SECTION A-A



SECTION B-B

FIELD ENTRANCE DETAIL

402-1

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 STRAND ASSOCIATES



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DRAWN - JAS	CHECKED - AJS	REVISED -
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PLOT DATE = 5/28/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

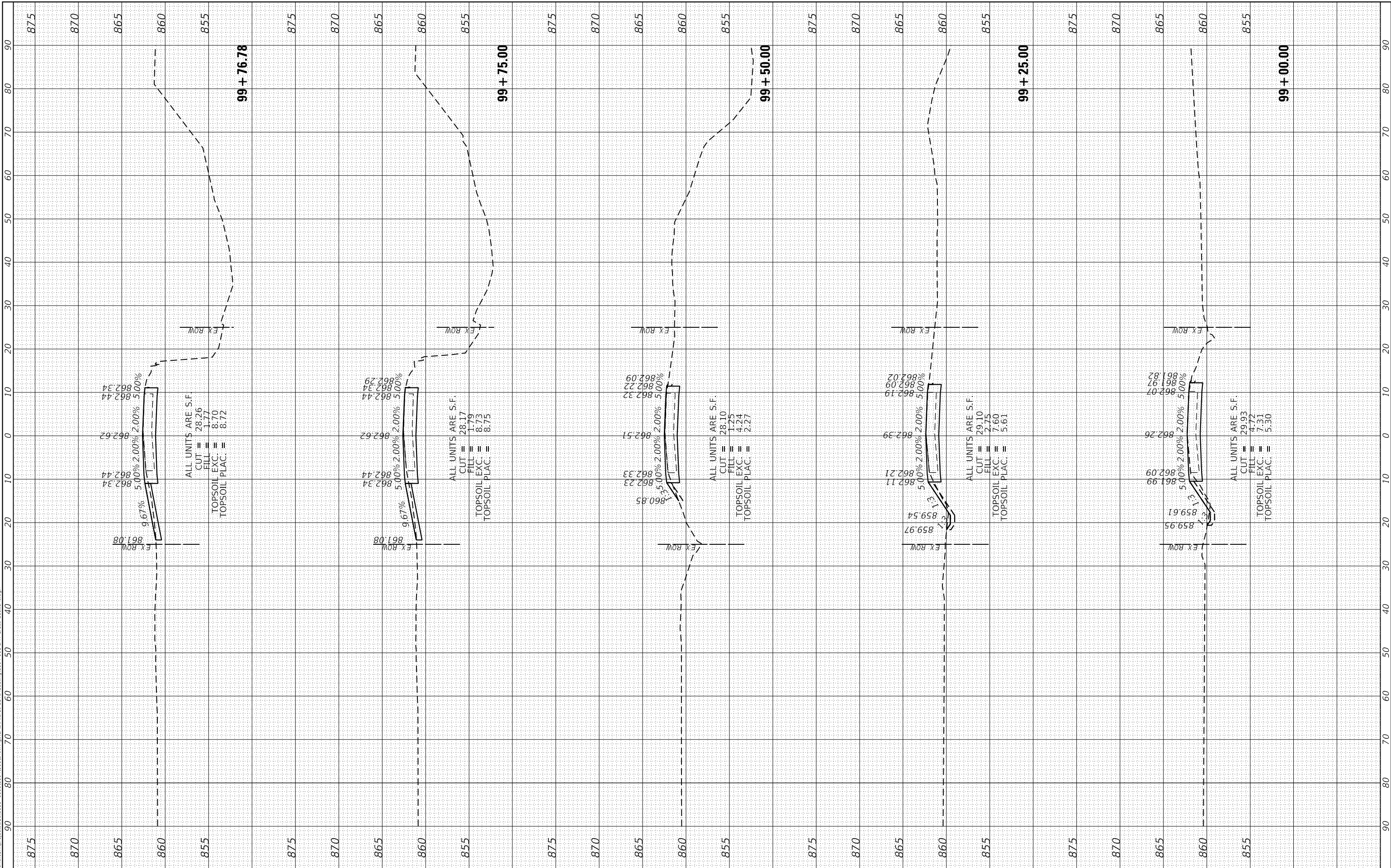
ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER			
DISTRICT THREE STANDARDS			
SCALE: NTS	SHEET 1	OF 1 SHEETS	STA. TO STA.

TWP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96	20-01009-01-BR	DEKALB	20	18
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = AlexSc	DESIGNED - AMS	REVISED -
	DRAWN - JAS	REVISED -
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PLOT DATE = 5/28/2024	DATE - 4/22/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ANDERLAND ROAD OVER THE N. BRANCH S. BRANCH KISHWAUKEE RIVER
 CROSS SECTIONS**

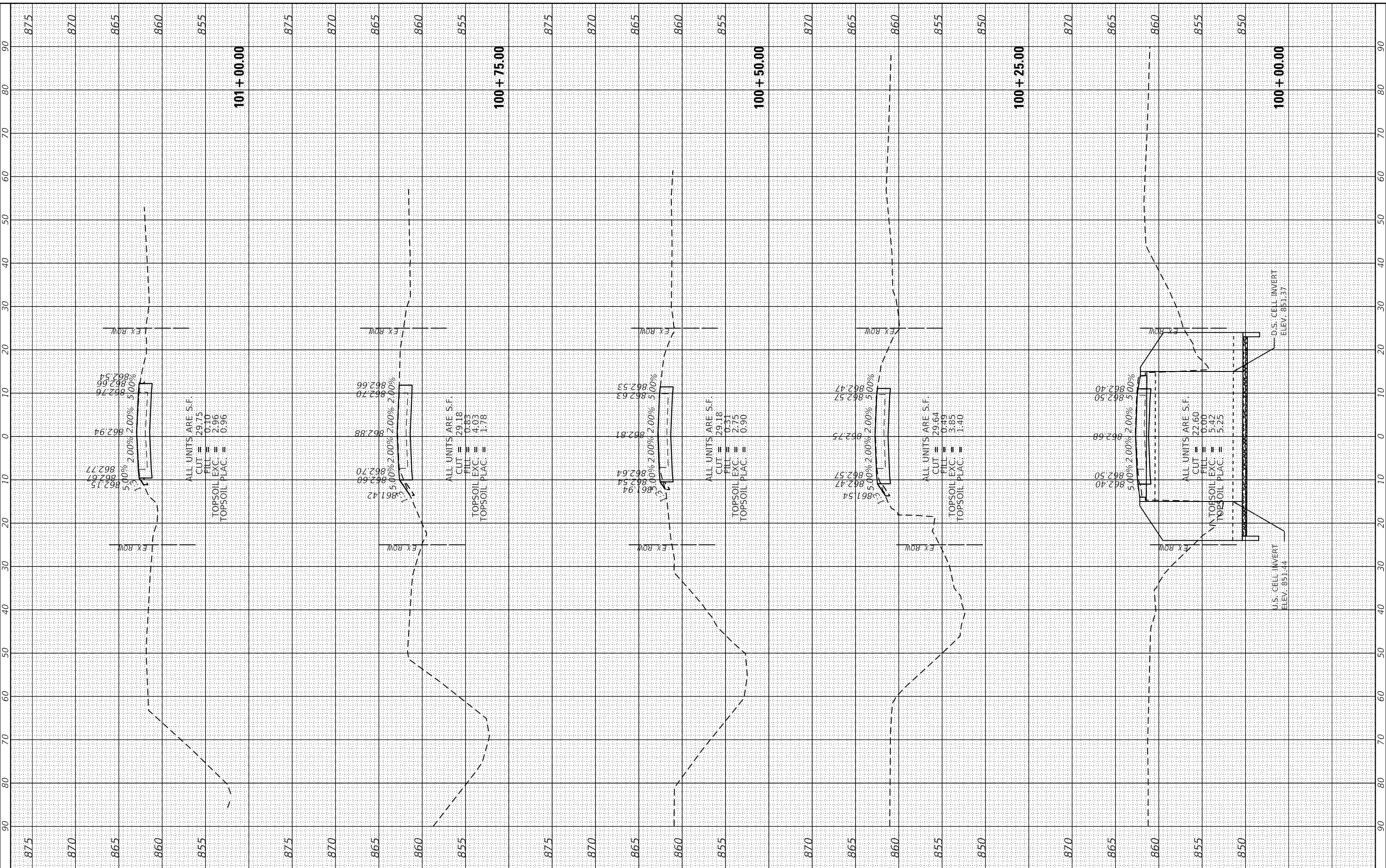
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F.A. RTE. 96	SECTION 20-01009-01-BR	COUNTY DEKALB	TOTAL SHEETS 20	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87848	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = AlexSc	DESIGNED - AMS	REVISED -
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TOPSOIL EXC. = 4.03	TOPSOIL PLAC. = 1.78	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ANDERLAND ROAD OVER N. BRANCH S. BRANCH KISHWAUKEE RIVER
 CROSS SECTIONS**

SCALE: SHEET 2 OF 2 SHEETS STA. 100+00.00 TO STA. 101+00.00

F.A. RTE. 96	SECTION 20-01009-01-BR	COUNTY DEKALB	TOTAL SHEETS 20	SHEET NO. 20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87848	