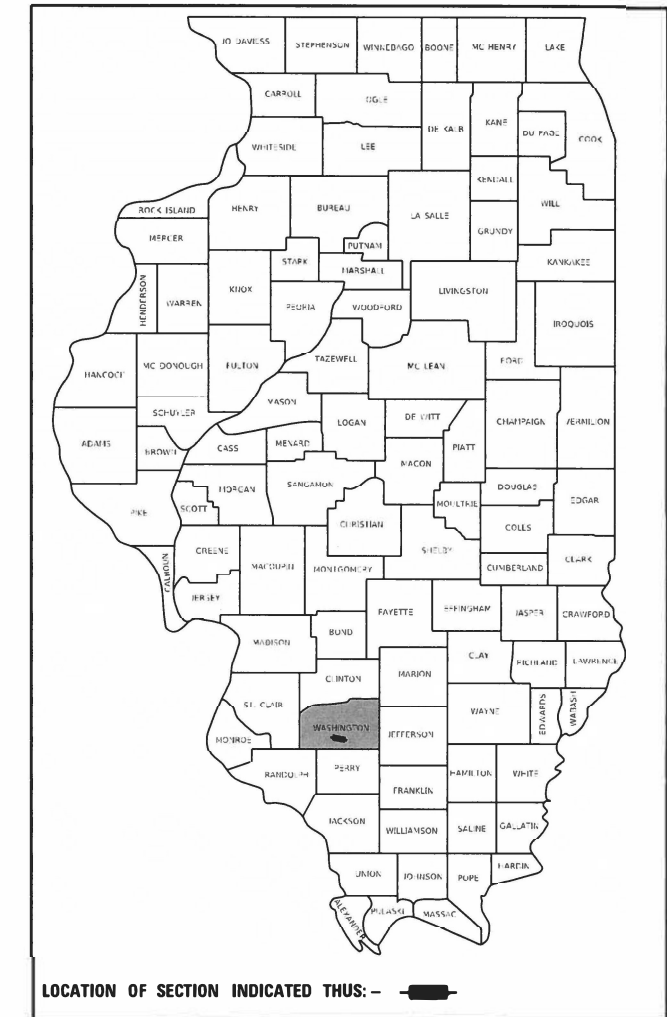


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	1
		ILLINOIS	CONTRACT NO. 76197	

D-98-013-17



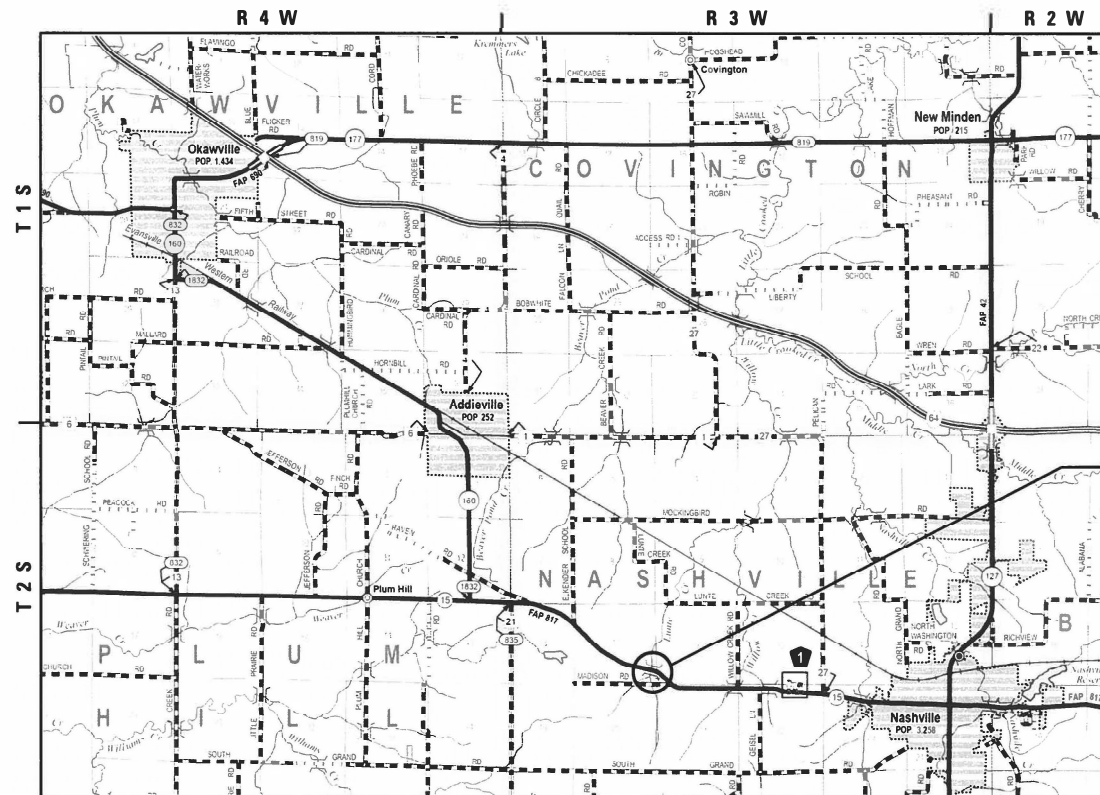
INDEX OF SHEETS
SEE SHEET 2 FOR "INDEX OF SHEETS"

HIGHWAY STANDARDS
SEE SHEET 2 FOR "HIGHWAY STANDARDS"

PROPOSED HIGHWAY PLANS

FAP ROUTE 817 (IL 15)
SECTION 7BR-1
PROJECT COVD-D8HZ(671)
BRIDGE REPLACEMENT
WASHINGTON COUNTY

C-98-326-18



TOWNSHIP: NASHVILLE
SECTION: 17

PROJECT LOCATION
BEGIN STA 1837 + 50.00
END STA 1852 + 80.00
SN 095-2011
DOUBLE 12'x10' PRECAST
BOX CULVERT



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Aug 26 2022*
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 12, 2023 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

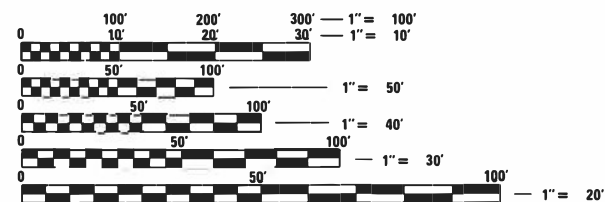
**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

DISTRICT 8, COLLINSVILLE

DESIGN DESIGNATION

IL 15 : AADT 2,250 (260) - 2019 MINOR ARTERIAL
POSTED SPEED: 55 / DESIGN SPEED: 55

111 S. WACKER DR. SUITE 3910
CHICAGO, ILLINOIS 60606
312-500-5229 (P)
www.quiggengineering.com



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

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: ROBERT HARBAUGH

CONTRACT NO. 76J97

LOCATION MAP
APPROXIMATE SCALE: 0 1 2 MILES
GROSS LENGTH = 1,530.00 FT = 0.290 MILE
NET LENGTH = 1,530.00 FT = 0.290 MILE

[Signature] 8/10/2022
JAMEEL AHMED ILLINOIS P.E. 062-061172 DATE
EXPIRES 11/30/2023

SIGNATURE AND SEAL APPLY TO ALL SHEETS
EXCEPT AS NOTED BELOW:
SHEETS 28 - 32

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3 - 8	SUMMARY OF QUANTITIES
9 - 11	SCHEDULE OF QUANTITIES
12	TYPICAL SECTIONS
13	ALIGNMENT, TIES AND BENCHMARKS
14	ROAD CLOSURE DETOUR
15	REMOVAL PLAN
16 - 17	PLAN AND PROFILE
18 - 23	RIGHT-OF-WAY PLAN
24	EROSION CONTROL
25 - 26	ENTRANCE DETAILS
27	SUPERELEVATION DETAIL
28	GENERAL PLAN AND ELEVATION
29	GENERAL DATA
30	CAST-IN-PLACE APRON END SECTION
31	CAST-IN-PLACE APRON END SECTION DETAILS
32	BORING LOGS
33 - 41	CROSS SECTIONS

HIGHWAY STANDARDS

STD NO.	DESCRIPTION
280001-08	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635001-02	DELINEATORS
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- ALL ELEVATIONS REFER TO THE NAVD 88 DATUM.
- THE DISTRICT LAND ACQUISITION SECTION ENGINEER SHALL BE CONTACTED IF DIFFERENCES ARE IDENTIFIED BETWEEN ANY PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE ENGINEERING PLAN SHEETS AS COMPARED TO THE SAME PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE PLAT OF HIGHWAYS. QUESTIONS OR CONCERNS REGARDING THESE ITEMS SHOULD BE DIRECTED TO CLINT MARSHALL AT (618) 346-3124.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- IF ANY SECTION OR SUB-SECTION MONUMENT (I.E. STONE, BRASS PLUG, ALUMINUM DISK, IRON PIPE OR PIN, MAG NAIL, CROSS, ETC.) IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENT IS REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE THE MONUMENT IN PLACE UNTIL AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES -SURVEYING" HAS REFERENCED ITS LOCATION.
- ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES SURVEYING."
- THE RIGHT-OF-WAY OR PROPERTY CORNER IS MONUMENTED WITH A 5/8" IRON ROD, THIRTY INCHES (30") IN LENGTH, WITH AN IDOT ALUMINUM CAP, OR OTHER PRE-EXISTING CORNER MONUMENT, WHICH SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT-OF-WAY MARKER. THE RIGHT-OF-WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT-OF-WAY BOUNDARY. THE RIGHT-OF-WAY MARKER SHALL BE A WITNESS TO THE MONUMENT.
- ALL RELEVANT SCHOOL DISTRICTS, POLICE, HOSPITALS, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.

WASHINGTON COUNTY
-AMBULANCE DEPARTMENT: JOHN FELCHLIA, ADMINISTRATOR; (618) 327-4800 (EXT 124)
-SHERIFF'S OFFICE: LEN CAMPBELL, SHERIFF; (618) 327-8247 (EXT 3)

CITY OF NASHVILLE
-MAYOR: RAYMOND KOLWEIER; (618) 327-3058
-CHIEF OF POLICE: BRIAN FLETCHER; (618) 327-8232
-SUPERINTENDENT, NASHVILLE SCHOOL DISTRICT - MR. BRAD TURNER; (618) 327-8286 (EXT 201)
-NASHVILLE FIRE PROTECTION DISTRICT: ALAN HOHLT, FIRE CHIEF; (618) 327-8423

VILLAGE OF ADDIEVILLE
-PRESIDENT: DOUGLAS BOECKLEN; (618) 593-0603
-ADDIEVILLE FIRE DEPT.: RYAN WIEDWILC, FIRE CHIEF; (618) 424-7965
- FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

MULCH	2 TON/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
SEEDING	200 LB/ACRE
SUBBASE GRANULAR	2.05 TON/CU YD
HOT-MIX ASPHALT BINDER COURSE	0.056 TON/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056 TON/SQ YD/IN
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ FT
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ FT
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE ENTRANCES AND FIELD ENTRANCES AT ALL TIMES.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	BINDER	INCIDENTAL	SHOULDER (LOWER)	SHOULDERS SURFACE
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ NDES = 70	4% @ NDES = 70	4% @ NDES = 70	4% @ NDES = 30	4% @ NDES = 30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 9.5	IL 19.0L	IL 9.5L
FRICITION AGG	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"		
QUALITY MGMT PROGRAM	QC/QA	QCP	QC/QA	QC/QA	QC/QA
MATTRANDEV REQUIRED?	NO	NO	NO	NO	NO
- PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LBS/SQ YD / IN (59.8 KG/SQ M/25 MM THICKNESS)
- MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

AMEREN ILLINOIS (ELECTRIC)
200 EAST SPRUCE STREET
JERSEYVILLE, IL 62052
AERIAL / BURIED

AT&T ILLINOIS (COMMUNICATIONS)
312 NORTH 3RD STREET
GREENVILLE, IL 62246
AERIAL / BURIED

CHARTER COMMUNICATIONS, INC.
(CABLE TV)
210 WEST DIVISION STREET
MARYVILLE, IL 62062
AERIAL / BURIED

CLEARWAVE COMMUNICATIONS
(COMMUNICATIONS)
TWO NORTH VINE STREET
2ND FLOOR
P.O. BOX 808
HARRISBURG, IL 62946
AERIAL / BURIED

COUNTRYMARK COOPERATIVE, LLP
(PIPELINE)
FARM BUREAU OIL COMPANY
1200 REFINERY ROAD
MT. VERNON, IN 47620
BURIED

TRI-COUNTY ELECTRIC COOPERATIVE,
(ELECTRIC)
3906 WEST BROADWAY
P.O. BOX 309
MT. VERNON, IL 62864-0309
AERIAL / BURIED

WASHINGTON COUNTY (WATER)
101 EAST ST. LOUIS STREET
NASHVILLE, IL 62263
BURIED
- THE TWO (2) CHANGABLE MESSAGE BOARDS REQUIRED FOR THIS PROJECT IN THE ROAD CLOSURE DETOUR PLAN SHALL BE IN PLACE AND OPERATIONAL TWO (2) WEEKS PRIOR TO ANY LANE CLOSURE AT LOCATIONS DETERMINED BY THE ENGINEER. THE ENGINEER WILL PROVIDE THE MESSAGE TO THE CONTRACTOR TO BE USED FOR THESE TWO (2) WEEKS AND DURING CONSTRUCTION.

COMMITMENTS

NONE

REV. - MS

MODEL: Default
FILE NAME: \\g:\g\Projects\2019\191008_PTB_193-28_DB - Benton - Various Ph. H/WK Order 4_IL_15 over Lurie Creek\CADD\CADD_Sheets\0816197-Int-CemNore.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JA	REVISED -
PLOT DATE = 8/17/2022	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS AND
GENERAL NOTES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	2
				CONTRACT NO. 76J97
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010 RURAL	0021 RURAL
20101100	TREE TRUNK PROTECTION	EACH	5	5	
20200100	EARTH EXCAVATION	CU YD	2,884	2,884	
20400800	FURNISHED EXCAVATION	CU YD	4,412	4,412	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	515	515	
20800150	TRENCH BACKFILL	CU YD	35	35	
21400100	GRADING AND SHAPING DITCHES	FOOT	15	15	
25000210	SEEDING, CLASS 2A	ACRE	1.75	1.75	
25000312	SEEDING, CLASS 4A	ACRE	0.75	0.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	200	200	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	200	200	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	200	200	
25100115	MULCH, METHOD 2	ACRE	2.25	2.25	
25100630	EROSION CONTROL BLANKET	SQ YD	10,593	10,593	

REV. - MS

MODEL: Default
FILE NAME: S:\2019\191087 PTB 193-28 DB - Benton - Various Ph InWork Order 4 IL 15 over Lunte Creek\CADD\CADD Sheets\876977-shc-500.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 8/11/2022	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	3
			CONTRACT NO. 76J97	
ILLINOIS FED. AID PROJECT				

REV SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010	0021
				RURAL	RURAL
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	440	440	
28000305	TEMPORARY DITCH CHECKS	FOOT	344	344	
28000400	PERIMETER EROSION BARRIER	FOOT	2,939	2,939	
28000500	INLET AND PIPE PROTECTION	EACH	4	4	
28100105	STONE RIPRAP, CLASS A3	SQ YD	653	653	
28100109	STONE RIPRAP, CLASS A5	SQ YD	124	124	
28200200	FILTER FABRIC	SQ YD	124	124	
31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	4,420	4,420	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	302	302	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	57	57	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	10,342	10,342	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	3,060	3,060	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	20	20	
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,488	2,488	

MODEL: D:\e\h\l
 FILE NAME: S:\2019\1911082 PFB 19328 DB - Benton - Various Ph.\INWORK Order 4 IL 15 over Lunte Creek\CADD\CADD Sheets\097-SP-S00.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	4
CONTRACT NO. 76J97				
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010 RURAL	0021 RURAL
40701901	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	SQ YD	4,080	4,080	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	15	
44000100	PAVEMENT REMOVAL	SQ YD	1,734	1,734	
44004250	PAVED SHOULDER REMOVAL	SQ YD	289	289	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	663	663	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1,360	1,360	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4	
50105220	PIPE CULVERT REMOVAL	FOOT	65	65	
50200100	STRUCTURE EXCAVATION	CU YD	545	545	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	347	347	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	13,250	13,250	
51500100	NAME PLATES	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	78.1	78.1	

REV. - MS

MODEL: C:\p6\1\191\081_PTB_19328_DB - Benton - Various Ph - Lunte Creek\ADD\ADD Sheets\08197-ph-500.dgn



USER NAME = rgoertz
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 8/9/2022

DESIGNED - RG
 DRAWN - RG
 CHECKED - JA
 DATE - 08/10/2022

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
 SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	5
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010 RURAL	0021 RURAL
54011210	PRECAST CONCRETE BOX CULVERTS 12' X 10'	FOOT	104	104	
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	84	84	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	107	107	
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	104	104	
54262724	METAL FLARED END SECTIONS 24"	EACH	4	4	
54262730	METAL FLARED END SECTIONS 30"	EACH	2	2	
54262830	METAL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	179	179	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	475.0		475.0
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	57		57
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
63200310	GUARDRAIL REMOVAL	FOOT	370		370
63500105	DELINEATORS	EACH	8	8	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	3,060	3,060	

* SPECIALTY ITEM

MODEL: D:\p1\11\11\082_PTB_19328_DB - Benton - Various Ph. I:\Network Order 4 IL 15 over Lunte Creek\CADD\CADD Sheets\19328-PTB-500.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	6
			CONTRACT NO. 76J97	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010	0021
				RURAL	RURAL
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	20	20	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,371	5,371	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,791	1,791	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	5,371	5,371	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	23	23	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
* 73000100	WOOD SIGN SUPPORT	FOOT	26	26	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,371	5,371	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20	

* SPECIALTY ITEM

MODEL: D:\a\j\l... FILE NAME: S:\2019\1911\082_PTB_19328_DB - Benton - Various Ph... Work Order - 4 IL 15 over Lunte Creek\ADD Sheets\08276197-ep-S00.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	7
			CONTRACT NO. 76J97	
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY 100% FEDERAL	CONSTRUCTION TYPE CODE	
				BOX CULVERT	SAFETY
				0010 RURAL	0021 RURAL
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8		8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20	20	
X0327301	RELOCATE EXISTING MAILBOX	EACH	3	3	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	178.5	178.5	
X1200050	BOX CULVERT REMOVAL	FOOT	93	93	
X6660445	RIGHT OF WAY AND PROPERTY CORNERS	EACH	1	1	
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
X7240505	RELOCATE SIGN PANEL AND POST	EACH	2	2	
Z0004638	PAVEMENT BREAKING	SQ YD	2,737	2,737	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0016702	DETOUR SIGNING	L SUM	1	1	
* Z0054406	ROCK FILL - FOUNDATION	CU YD	254	254	
∅ Z0076600	TRAINEES	HOUR	500	500	
Z0077803	REMOVE WOOD POST	EACH	1	1	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

* SPECIALTY ITEM

∅ 0042

REV. - MS

MODEL: Default
FILE NAME: S:\2019\1911082.PTB 193238.DB - Benton - Various Ph. I:\Network Order - IL 15 over Lunte Creek\CADD\CADD Sheets\076J97-sht-500.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	8
			CONTRACT NO. 76J97	
ILLINOIS FED. AID PROJECT				

REV SEP

PAVING SCHEDULE

STATION	STATION	LT/RT	LENGTH	WIDTH	SUBBASE GRANULAR MATERIAL, TYPE B 12"	BITUMINOUS MATERIALS (PRIME COAT)	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 11"	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 8'	SHOULDER RUMBLE STRIPS, 8 INCH	PAVEMENT BREAKING	
					SQ YD	POUND	FOOT	POUND	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD		
1837+50.00	1852+80.00	LT/RT	1530.00	26.00	4420	9,945	3060									
1837+50.00	1852+80.00	LT/RT	1530.00	24.00				1,836.0	4080							
1837+50.00	1841+36.90	LT/RT	386.90	24.00						1032						
1843+99.00	1844+38.00	LT/RT	39.00	24.00						104						
1850+55.67	1852+80.00	LT/RT	224.33	24.00						598						
1837+50.00	1841+36.90	LT/RT	386.9	2.00							172					
1843+99.00	1844+38.00	LT/RT	39	2.00							17					
1850+55.67	1852+80.00	LT/RT	224.3	2.00							100					
1837+50.00	1838+00.00	LT	50.00	1.00								5.6				
1838+00.00	1839+39.00	LT	530.71	2.00								30.9				
1839+86.00	1842+65.00	LT	532.38	2.00								55.8				
1842+65.00	1843+37.50	LT	72.50	7.38								27.7				
1843+37.50	1845+62.91	LT	225.41	2.00								59.1				
1845+62.91	1846+38.75	LT	75.84	7.38								24.8				
1846+66.37	1850+87.80	LT	420.93	2.00								98.6				
1851+53.00	1852+38.00	LT	85.00	2.00								18.9				
1852+38.00	1852+80.00	LT	42.00	1.00								4.7				
1837+50.00	1838+00.00	RT	50.00	1.00								5.6				
1838+00.00	1839+47.00	RT	147.00	2.00								32.9				
1839+80.00	1842+15.00	RT	235.00	2.00								48.0				
1842+15.00	1842+87.50	RT	72.50	7.38								27.7				
1842+87.50	1845+12.44	RT	224.94	2.00								70.1				
1845+12.44	1845+85.12	RT	72.68	7.38								23.4				
1845+85.12	1846+95.00	RT	109.88	2.00								12.3				
1847+37.00	1852+38.00	RT	501.00	2.00								111.6				
1852+38.00	1852+80.00	RT	42.00	1.00								4.7				
1837+50.00	1852+80.00	LT	1530.00	4.00				306					680	1530		
1837+50.00	1852+80.00	RT	1530.00	4.00				306					680	1530		
1841+36.90	1843+99.00	LT/RT	262.10	24.00											699	
1844+38.00	1850+55.67	LT/RT	617.67	24.00											1647	
1841+36.90	1843+99.00	LT/RT	58.20	2.00											116	
1844+38.00	1850+55.67	LT/RT	137.30	2.00											275	
SUBTOTALS					4420	9945	3060	2448	4080	1734	289	662.4	1360	3060	2737	
TOTALS FROM ENTRANCE SCHEDULE						397		40								
TOTALS					4420	10342	3060	2488	4080	1734	289	663	1360	3060	2737	

EARTHWORK SCHEDULE

LOCATION	(*) EARTH EXCAVATION (CU YD)	STRUCTURE EXCAVATION (CU YD)	EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)	(*) EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
WEST OF CULVERT					
STA 1837+50 TO STA 1844+18	1,456		1,238	1,874	-636
EAST OF CULVERT					
STA 1844+18 TO STA 1852+81	1,428		1,213	5,452	-4,239
CULVERT					
STA 1844+18		545	463		463
TOTALS	2,884	545	2,914	7,326	-4,412

(*) EARTHWORK QUANTITIES REFLECT PAVEMENT REMOVAL, SHOULDER REMOVAL, AND PAVEMENT BREAKING.

ENTRANCE SCHEDULE

LOCATION	STATION	LT/RT	AGGREGATE BASE COURSE, TYPE B 6"			AGGREGATE FOR TEMPORARY ACCESS		BITUMINOUS MATERIALS (PRIME COAT)	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING
			AGG SQ FT	HMA SQ FT	CU YD	SQ YD	TON	POUND	TON	POUND	TON
FE	1839+62.49	LT	728.90	304.0	4.88	81.0	10.0	76.0	3.8	7.6	2.8
MB	1839+62.49	LT		144.0				36.0	1.8	3.6	1.3
PE	1839+58.71	RT	420.90	273.4	7.32	46.8	15.0	68.3	3.4	6.8	2.6
FE	1847+05.82	RT	863.60	352.1	5.85	96.0	20.0	88.0	4.4	8.8	3.3
PE	1851+09.91	LT	701.80	369.0		78.0	12.0	92.3	4.6	9.2	3.4
MB	1847+05.82	RT		144.0				36.0	1.8	3.6	1.3
TOTALS						301.8	57.0	396.6	19.8	39.6	14.7
USE						302	57	397	20	40	15

REV. - MS

MODEL: Default
FILE NAME: S:\2019\1811082.PTB 1837-28.DB - Benton - Various Ph. E:\Work Order - IL 15 over Lunte Creek\CADD\CADD_Sheets\076977-sh-Schedule.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - RG	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 8/9/2022	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	9
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE

STATION	OFFSET	STATION	OFFSET	LT/RT	TRENCH BACKFILL CU YD	CONCRETE HEADWALL REMOVAL EACH	PIPE CULVERT REMOVAL FOOT	PIPE CULVERTS, CLASS D, TYPE 1, 24" FOOT	PIPE CULVERTS, CLASS D, TYPE 1, 30" FOOT	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT FOOT	METAL FLARED END SECTIONS 24" EACH	METAL FLARED END SECTIONS 30" EACH	METAL FLARED END SECTIONS, EQUIVALENT EACH	BOX CULVERT REMOVAL FOOT
1847+17.00		1847+42.00		RT		1								25
1847+42.00				RT		1								
1850+79.00		1851+37.00		RT		1								
1851+37.00				LT		1								68
1839+58.71				RT			44							
1839+62.49				LT			21							
1839+37.50	31.22	1840+10.50	33.64	LT	6			67			2			
1839+39.07	30.18	1839+85.90	31.88	RT	2			40			2			
1846+51.20	59.20	1847+66.20	55.33	RT	13				104			2		
1851+46.25	33.23	1850+78.35	34.65	RT	14					84			2	
TOTALS					35	4	65	107	104	84	4	2	2	93

REMOVE WOOD POST			
IL 15 (LUNTE CREEK)			
STATION	OFFSET	LT/RT	EACH
1847+00.30	28.20	LT	1
TOTAL			1

GUARDRAIL SCHEDULE

STATION	OFFSET	STATION	OFFSET	LT/RT	LENGTH (FT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS FOOT	STRONG POST GUARDRAIL ATTACHED TO CULVERT FOOT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH	GUARDRAIL REMOVAL FOOT	TERMINAL MARKER - DIRECT APPLIED EACH	GUARDRAIL REFLECTORS, TYPE A EACH
1843+03.75	17.00	1844+03.75	17.00	LT		100.0			68		
1844+03.75	17.00	1844+32.25	17.00	LT			28.5				
1844+32.25	17.00	1845+69.75	17.00	LT		137.5			117		
1842+66.25	17.00	1844+03.75	17.00	RT		137.5			117		
1844+03.75	17.00	1844+32.25	17.00	RT			28.5				
1844+32.25	17.00	1845+32.25	17.00	RT		100.0			68		
1842+52.75		1843+03.75		LT	50			1		1	
1845+69.75		1846+19.75		LT	50			1		1	
1842+16.25		1842+66.25		RT	50			1		1	
1845+32.25		1845+82.25		RT	50			1		1	
1842+65.25		1845+07.25		LT							4
1842+28.75		1842+69.75		RT							4
TOTALS					475.0	57.0	4	370	4	8	

STONE RIPRAP, CLASS A3								
IL 15 (LUNTE CREEK)								
STATION	STATION	LT/RT	LENGTH	WIDTH	THICKNESS	SQ FT	SQ YD	
1842+59.00	1844+09.12	LT	152	10	8"	1520	168.9	
1842+59.00	1844+09.12	RT	151	10	8"	1510	167.8	
1844+36.56	1846+21.43	LT	186	10	8"	1860	206.7	
1844+36.56	1845+37.00	RT	98	10	8"	980	108.9	
TOTAL USE							652.3	653

GRADING AND SHAPING DITCHES		
IL 15 (LUNTE CREEK)		
STATION	LT/RT	FOOT
1849+00.00	RT	15
TOTAL		15

NOTE: SEE STRUCTURE PLANS FOR STRONG POST GUARDRAIL

TEMPORARY DITCH CHECKS

STATION	STATION	LT/RT	DIST	SLOPE	DITCH CHECKS	LENGTH	FOOT
1837+50.00	1839+25.00	LT	175	2.30%	5	8	40
1840+11.00	1842+59.00	LT	248	1.45%	4	8	32
1846+50.00	1849+80.00	LT	330	1.94%	7	8	56
1849+80.00	1850+80.00	LT	100	0.58%	1	8	8
1851+45.00	1852+80.00	LT	135	2.80%	4	8	32
1837+50.00	1839+30.00	RT	180	1.90%	4	8	32
1839+85.90	1842+59.00	RT	273	1.50%	5	8	40
1845+45.00	1846+51.20	RT	106	1.20%	2	8	16
1847+66.20	1848+92.00	RT	126	2.00%	3	8	24
1848+92.00	1851+45.00	RT	253	1.19%	4	8	32
1851+45.00	1852+80.00	RT	135	2.89%	4	8	32
TOTAL							344

TREE TRUNK PROTECTION

IL 15 (LUNTE CREEK)				
STATION	OFFSET	LT/RT	DIAMETER	EACH
1851+37.78	43.07	LT	24	1
TOTAL				1

INLET AND PIPE PROTECTION

IL 15 (LUNTE CREEK)			
STATION	OFFSET	LT/RT	EACH
1839+39.00	30.00	RT	1
1847+66.00	50.00	RT	1
1851+46.00	31.00	LT	1
1839+38.00	31.00	LT	1
TOTAL			4

PERIMETER EROSION BARRIER

IL 15 (LUNTE CREEK)						
STATION	OFFSET	LT/RT	STATION	OFFSET	LT/RT	FOOT
1837+49.00	31	LT	1839+47.00	53	LT	208
1839+71.00	53	LT	1843+88.00	78	LT	419
1844+37.00	76	LT	1851+00.00	70	LT	696
1851+27.00	30	LT	1852+81.00	29	LT	155
1837+50.00	46	RT	1839+55.00	43	RT	206
1839+77.00	42	RT	1844+02.00	65	RT	442
1844+35.00	65	RT	1847+38.00	70	RT	305
1847+61.00	66	RT	1852+80.00	37	RT	508
TOTAL						2,939

MODEL: Default; FILE NAME: S:\2019\1811082_PTB_18328_DB - Benton - Various Ph - I\Work Order - IL 15 over Lunte Creek\CADD\Schedule.DWG; SHEETS: 07-18328-DB - Benton - Various Ph - I\Work Order - IL 15 over Lunte Creek\CADD\Schedule.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - RG	REVISIONS -	
PLOT SCALE = 10.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 8/9/2022	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	10
			CONTRACT NO. 76J97	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE													
STATION	STATION	LT/RT	LENGTH	PLACEMENT (%)	TYPE	COLOR	SPACING	WIDTH	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
									FOOT	SQ FT	FOOT	EACH	EACH
1837+50	1852+80	LT	1530.00	100%	SOLID	WHITE		4"	1530.0	510.0	1530.0		
1837+50	1852+80	RT	1530.00	100%	SOLID	WHITE		4"	1530.0	510.0	1530.0		
1837+50	1847+49	LT	999.11	25%	SKIP-DASH	YELLOW		4"	249.8	83.3	249.8		
1837+50	1847+49	RT	999.11	100%	SOLID	YELLOW		4"	999.1	333.0	999.1		
1847+49	1852+80	LT/RT	530.89	200%	DOUBLE	YELLOW		4"	1061.8	353.9	1061.8		
1837+50	1852+80		1530									20	20
TOTALS									5370.7	1790.2	5370.7	20	20
USE									5371	1791	5371	20	20

DELINEATORS			
IL 15 (LUNTE CREEK)			
STATION	STATION	LT/RT	EACH
1839+41.00	1840+07.00	LT	2
1839+43.00	1839+82.00	RT	2
1846+54.00	1847+62.00	RT	2
1850+78.35	1851+46.25	RT/LT	2
TOTAL			8

RELOCATE EXISTING MAILBOX		
IL 15 (LUNTE CREEK)		
STATION	LT/RT	EACH
1839+62.49	LT	1
1851+09.91	LT	2
TOTAL		3

SEEDING SCHEDULE													
STATION	STATION	LT/RT	SLOPE FACTOR	SEEDING CLASS 2A	SEEDING CLASS 4A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING		
				SQ FT	ACRE	SQ FT	ACRE	POUND	POUND	POUND	ACRE	SQ YD	POUND
1837+50.00	1844+04.02	LT	1.05	13,066	0.31	6,510	0.16	42.5	42.5	42.5	0.47	2284	94
1837+50.00	1844+03.75	RT	1.05	12,360	0.30	4,685	0.11	37.0	37.0	37.0	0.41	1989	82
1844+32.00	1852+80.00	LT	1.05	22,049	0.53	5,404	0.13	59.6	59.6	59.6	0.66	3203	132
1844+32.31	1852+80.00	RT	1.05	21,176	0.51	5,542	0.13	58.0	58.0	58.0	0.64	3117	129
TOTAL				68,651	1.75	22,141	0.75	200	200	200	2.25	10593	440

ROW MARKERS				
IL 15 (LUNTE CREEK)			FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	RIGHT-OF-WAY AND PROPERTY CORNERS
STATION	OFFSET	LT/RT	EACH	EACH
1837+00.00	29.08	RT	1	
1837+00.00	30.92	LT	1	
1837+91.98	45.00	RT	1	
1838+00.00	50.00	LT	1	
1840+00.00	45.00	RT	1	
1843+00.00	65.00	LT	1	
1843+50.00	75.00	RT	1	
1843+75.00	84.33	LT	1	
1844+16.79	75.00	RT	1	
1844+35.00	85.00	LT	1	
1845+50.00	70.00	LT	1	
1846+71.74	75.00	RT	1	
1847+55.02	72.34	RT		1
1848+03.81	68.29	RT	1	
1849+00.00	70.00	LT	1	
1849+94.62	55.25	RT	1	
1851+43.91	45.00	LT	1	
1851+50.00	50.00	RT	1	
1852+50.00	45.00	RT	1	
1853+00.00	29.89	LT	1	
1853+50.00	30.12	RT	1	
TOTAL			20	1

SIGNING SCHEDULE												
SIGN DESIGNATION	STATION	LT/RT	WIDTH (IN)	HEIGHT (IN)	TOTAL SIGN HEIGHT	IN GROUND (FT)	BETWEEN SIGN & GROUND (FT)	NO. OF SIGNS	SIGN PANEL TYPE 1	REMOVE SIGN PANEL ASSEMBLY - TYPE B	WOOD SIGN SUPPORT	RELOCATE SIGN PANEL AND POST
									SQ FT	EACH	FOOT	EACH
W1-2R	1839+38.67	RT	36	36				1	9.00			
W13-1P	1839+38.67	RT	18	18				1	2.25			
W1-2R	1853+50.00	LT	36	36				1	9.00			
W13-1P	1853+50.00	LT	18	18	4.5	4	4	1	2.25		13	
W1-2R	1839+38.67	RT	36	36	4.5	4	4	1		1	13	
W13-1P			18	18								
R12-4	1843+87.31	RT	36	24				1		1		
R12-4	1844+56.73	LT	36	24				1		1		
	1846+80.63	RT										1
	1847+47.33	RT										1
TOTALS									22.50	3	26	2
USE									23	3	26	2

MODEL: D:\p\h\...
 FILE NAME: S:\2019\11\082_PTB_19328_DB - Benton - Various Ph...
 SHEET: 7B-11

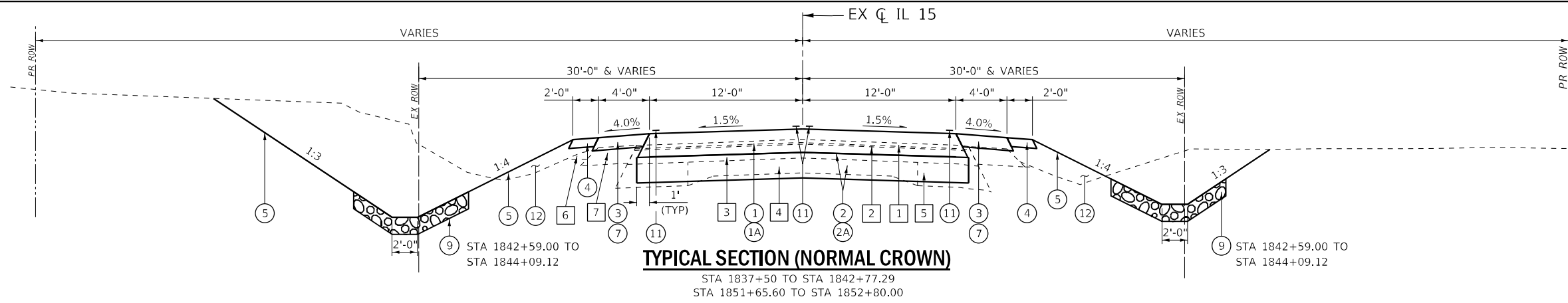


USER NAME = rgoertz	DESIGNED - RG	REVISED -
DRAWN - RG	REVISIONS -	
PLOT SCALE = 10,0000 * 1/ in.	CHECKED - JA	REVISIONS -
PLOT DATE = 8/9/2022	DATE - 08/10/2022	REVISIONS -

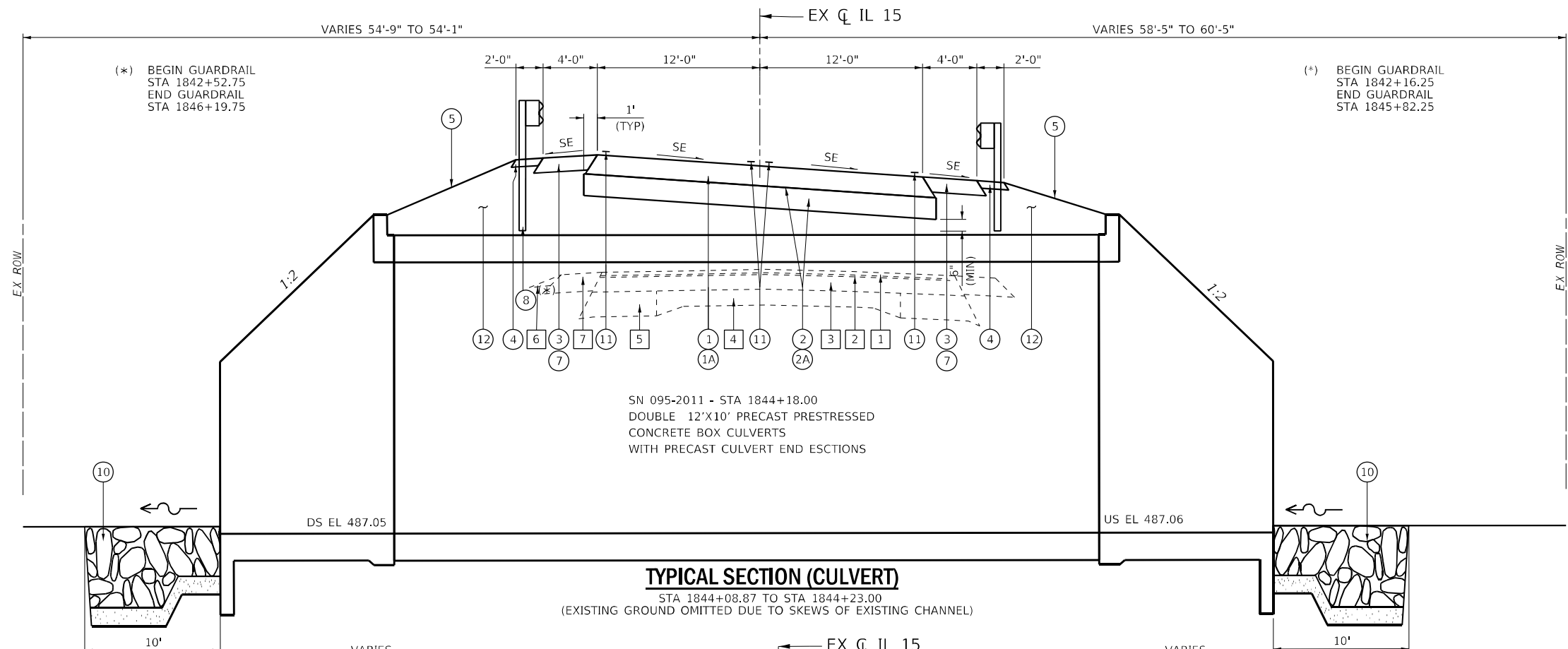
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES	
SCALE: NONE	SHEET 3 OF 3 SHEETS STA. TO STA.

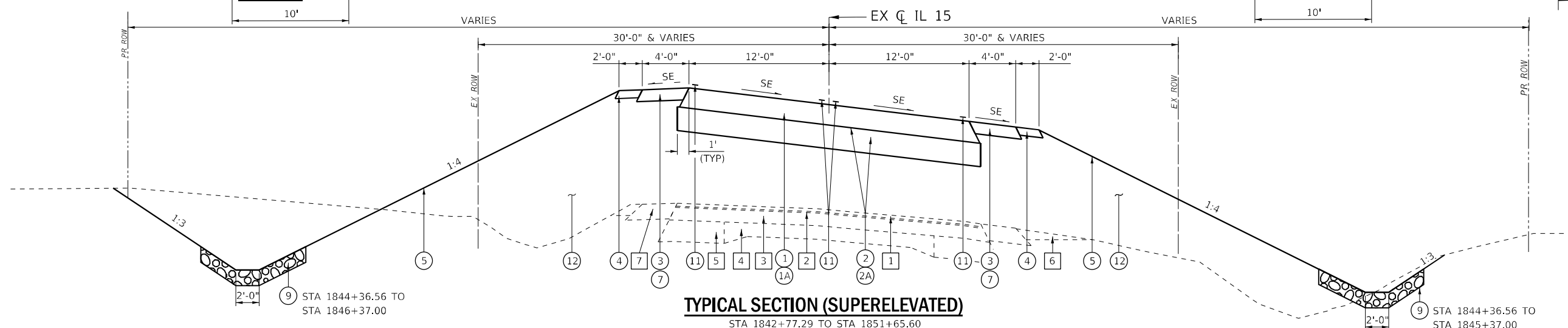
F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J97	



TYPICAL SECTION (NORMAL CROWN)
 STA 1837+50 TO STA 1842+77.29
 STA 1851+65.60 TO STA 1852+80.00



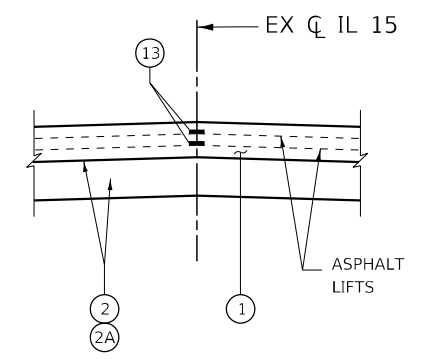
TYPICAL SECTION (CULVERT)
 STA 1844+08.87 TO STA 1844+23.00
 (EXISTING GROUND OMITTED DUE TO SKEWS OF EXISTING CHANNEL)



TYPICAL SECTION (SUPERELEVATED)
 STA 1842+77.29 TO STA 1851+65.60

- EXISTING LEGEND**
- 1 EX BITUMINOUS SURFACE COURSE 1 1/2"
 - 2 EX LEVELING BINDER 3/4"
 - 3 EX BITUMINOUS SURFACE 6 1/2"
 - 4 EX PCC PAVEMENT (9-7-9)
 - 5 EX BITUMINOUS WIDENING
 - 6 EX AGGREGATE WEDGE SHOULDER
 - 7 EX HMA SHOULDER, 8"

- PROPOSED LEGEND**
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"
 - 1A BITUMINOUS MATERIALS (TACK COAT)
 - 2 SUBBASE GRANULAR MATERIAL, TYPE B 12"
 - 2A BITUMINOUS MATERIALS (PRIME COAT)
 - 3 HOT-MIX ASPHALT SHOULDERS, 8"
 - 4 AGGREGATE SHOULDERS, TYPE B 6"
 - 5 FINISH GRADE/SEEDING
 - 7 SHOULDER RUMBLE STRIPS, 8 INCH
 - 8 STEEL PLATE BEAM GUARDRAIL
 - 9 STONE RIPRAP, CLASS A3
 - 10 STONE RIPRAP, CLASS A5
 - 11 THERMOPLASTIC PAVEMENT MARKING - LINE 4"
 - 12 EMBANKMENT
 - 13 LONGITUDINAL JOINT SEALANT



TYPICAL LOGITUDINAL JOINT SEALANT DETAIL

MODEL: Default
 FILE NAME: C:\Users\rgoertz\OneDrive\Documents\Projects\2019\181082_PTB_193-28 DB - Benton - Vorhau - Vorhau Ph. ILLIWORK Order 4 IL 15 over Lurie Creek\CADD\CADD_Sheets\0816197-shc-Typical.dgn
 QUIGG ENGINEERING INC

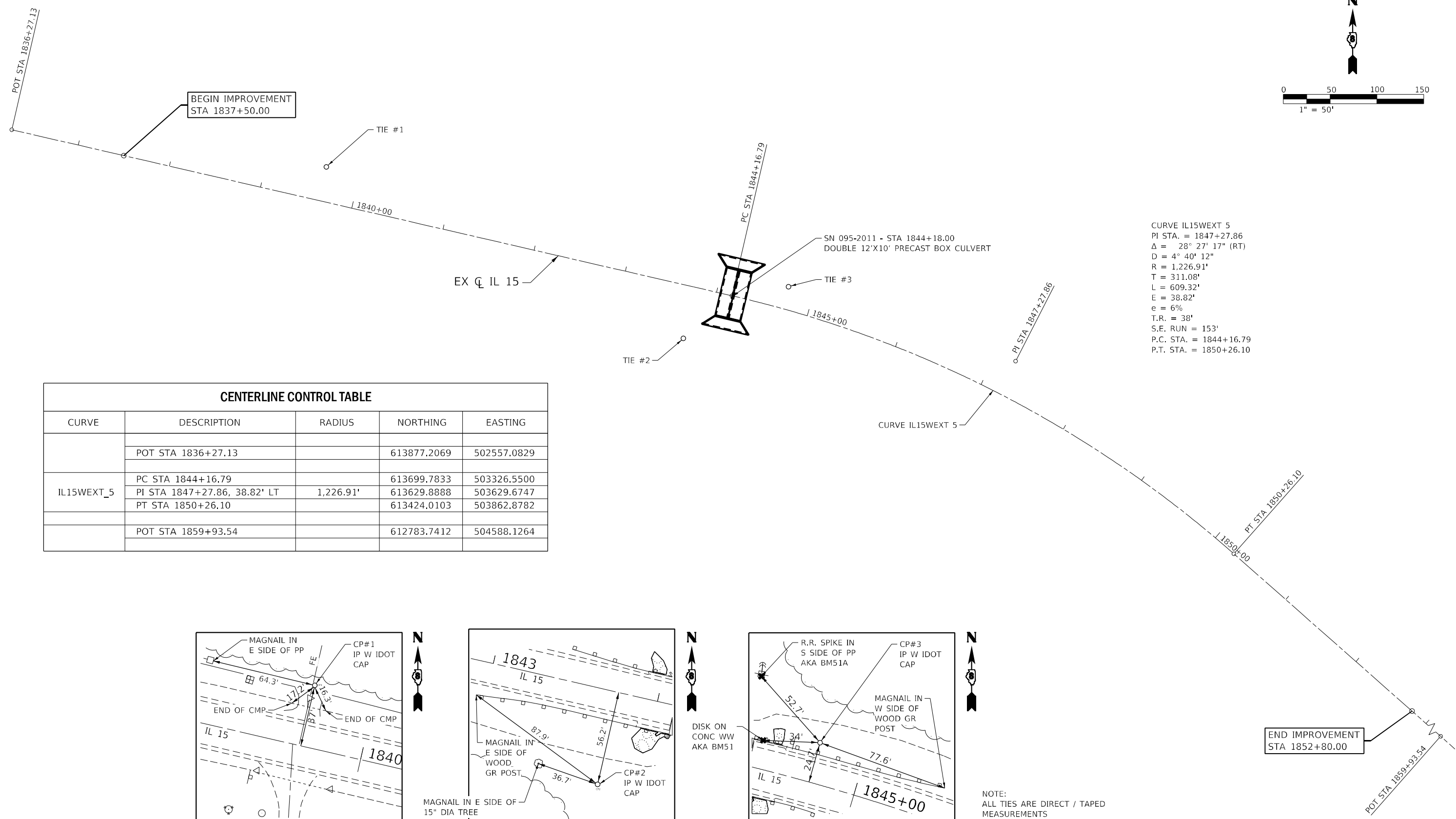
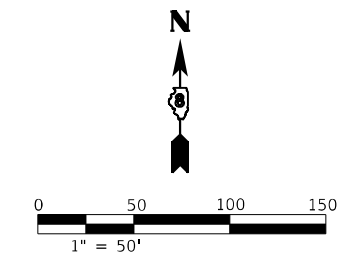


USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 10,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

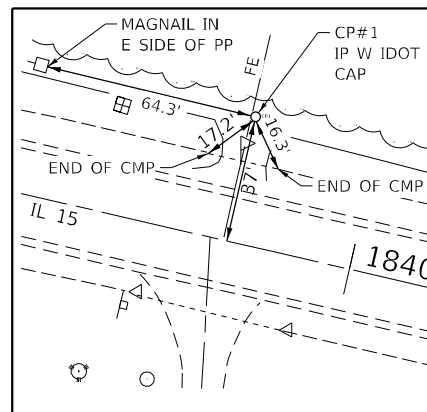
TYPICAL SECTIONS	
SCALE: NONE	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	12
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

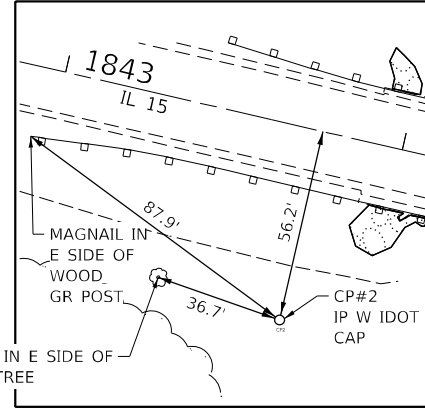


CURVE IL15WEXT 5
 PI STA. = 1847+27.86
 Δ = 28° 27' 17" (RT)
 D = 4° 40' 12"
 R = 1,226.91'
 T = 311.08'
 L = 609.32'
 E = 38.82'
 e = 6%
 T.R. = 38'
 S.E. RUN = 153'
 P.C. STA. = 1844+16.79
 P.T. STA. = 1850+26.10

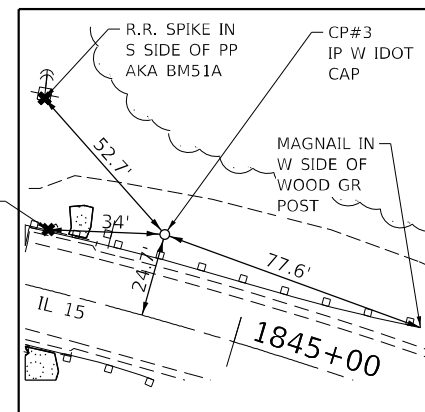
CENTERLINE CONTROL TABLE				
CURVE	DESCRIPTION	RADIUS	NORTHING	EASTING
	POT STA 1836+27.13		613877.2069	502557.0829
IL15WEXT_5	PC STA 1844+16.79		613699.7833	503326.5500
	PI STA 1847+27.86, 38.82' LT	1,226.91'	613629.8888	503629.6747
	PT STA 1850+26.10		613424.0103	503862.8782
	POT STA 1859+93.54		612783.7412	504588.1264



TIE #1 (STA 1839+63.63)
(NTS)



TIE #2 (STA 1843+76.42)
(NTS)



TIE #3 (STA 1844+72.39)
(NTS)

NOTE:
ALL TIES ARE DIRECT / TAPED MEASUREMENTS

MODEL: Default
 FILE NAME: C:\p\proj\2019\11\082_PTB_193-28_DB - Benton - Vorhies Ph. ILL15 over Lumle Creek\CADD\Sheet\081697-21-CA1B.dgn



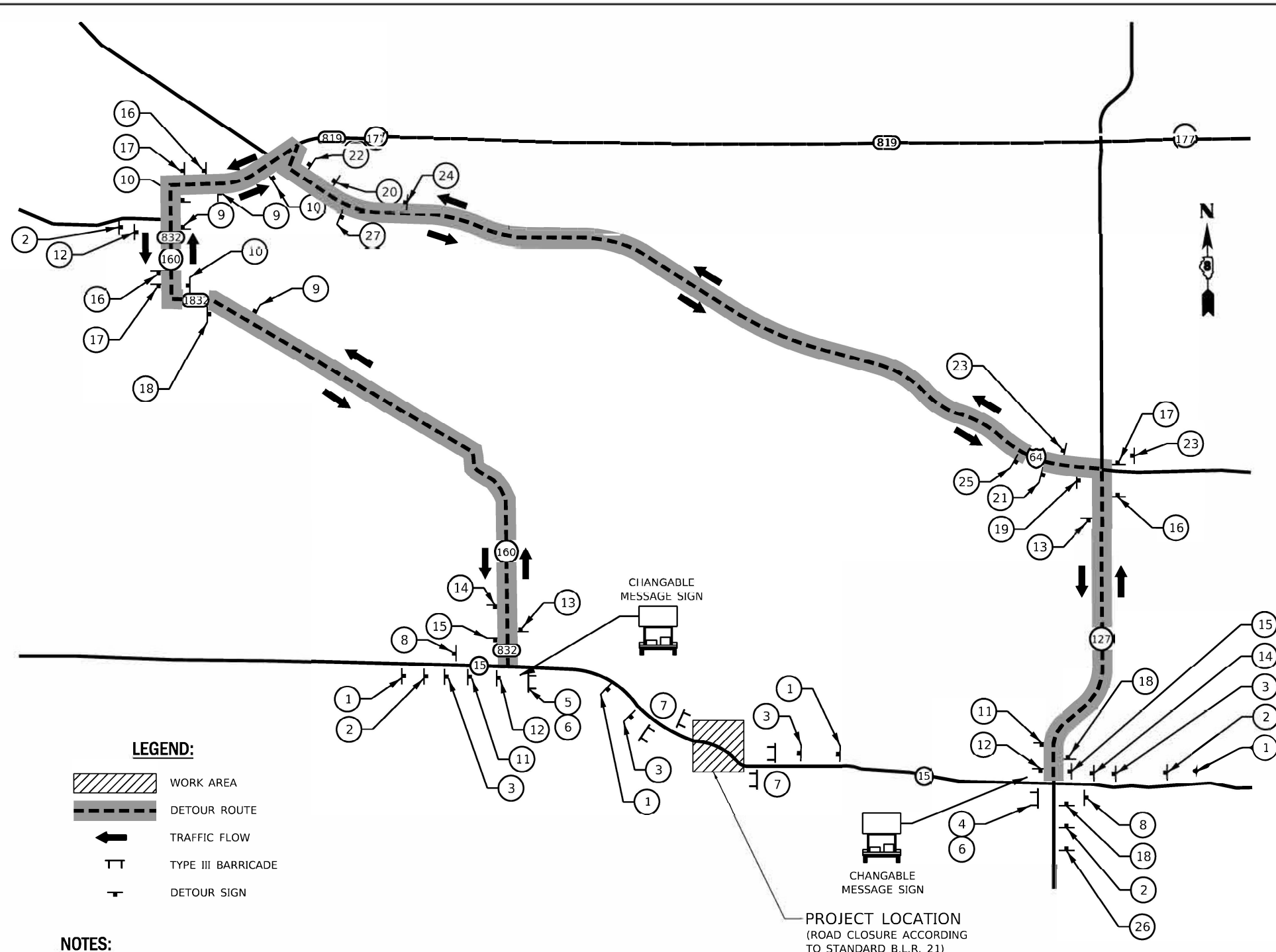
USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 1837+50 TO STA. 1852+80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	13
			CONTRACT NO. 76J97	
ILLINOIS FED. AID PROJECT				



- 1 ROAD CLOSED AHEAD W20-3-4848
- 2 DETOUR AHEAD W20-2-4848
- 3 ROAD CLOSED 500 FT W20-3-4848
- 4 DETOUR M4-10R-4818
- 5 DETOUR M4-10L-4818
- 6 ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- 7 ROAD CLOSED R11-2-4830
- 8 END DETOUR M4-8A-2418
- 9 DETOUR EAST M4-8-2412
M3-2-2412
ILLINOIS 15 M1-1100-2424
M5-1R-2115
- 10 DETOUR EAST M4-8-2412
M3-2-2412
ILLINOIS 15 M1-1100-2424
M6-1-2115
- 11 DETOUR EAST M4-8-2412
M3-2-2412
ILLINOIS 15 M1-1100-2424
M5-1L-2115
- 12 DETOUR EAST M4-8-2412
M3-2-2412
ILLINOIS 15 M1-1100-2424
M6-1L-2115
- 13 DETOUR EAST M4-8-2412
M3-2-2412
ILLINOIS 15 M1-1100-2424
M6-3-2115
- 14 DETOUR WEST M4-8-2412
M3-4-2412
ILLINOIS 15 M1-1100-2424
M5-1R-2115
- 15 DETOUR WEST M4-8-2412
M3-4-2412
ILLINOIS 15 M1-1100-2424
M6-1R-2115
- 16 DETOUR WEST M4-8-2412
M3-4-2412
ILLINOIS 15 M1-1100-2424
M5-1L-2115
- 17 DETOUR WEST M4-8-2412
M3-4-2412
ILLINOIS 15 M1-1100-2424
M6-1L-2115
- 18 DETOUR WEST M4-8-2412
M3-4-2412
ILLINOIS 15 M1-1100-2424
M6-3-2115
- 19 DETOUR EAST M4-8-3015
M3-2-3618
ILLINOIS 15 M1-1100-3636
M6-1R-3021
- 20 DETOUR WEST M4-8-3015
M3-4-3618
ILLINOIS 15 M1-1100-3636
M5-1L-3021
- 21 DETOUR EAST M4-8-3015
M3-2-3618
ILLINOIS 15 M1-1100-3636
M5-1R-3021
- 22 DETOUR WEST M4-8-3015
M3-4-3618
ILLINOIS 15 M1-1100-3636
M6-1L-3021
- 23 DETOUR WEST M4-8-3015
M3-4-3618
ILLINOIS 15 M1-1100-3636
M6-3-3021
- 24 DETOUR WEST M4-8-3015
M3-4-3618
ILLINOIS 15 M1-1100-3636
M6-2R-3021
- 25 DETOUR EAST M4-8-3015
M3-2-3618
ILLINOIS 15 M1-1100-3636
M6-2R-3021
- 26 ROAD CLOSED AHEAD W20-3-4848
- 27 DETOUR EAST M4-8-3015
M3-2-3618
ILLINOIS 15 M1-1100-3636
M6-3-3021

LEGEND:

- WORK AREA
- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III BARRICADE
- DETOUR SIGN

NOTES:

1. DETOUR SIGNS REQUIRED WILL BE SUPPLIED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE R.E./R.T. THE POSTS SHALL REMAIN ON THE PROPERTY OF THE CONTRACTOR.
3. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
4. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
5. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.
6. CONTRACTOR SHALL FURNISH ADVANCE WARNING SIGNS, ROAD CLOSURE SIGNS, CHANGEABLE MESSAGE SIGNS, AND TYPE III BARRICADES.
7. ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.

MODEL: Default
 FILE NAME: I:\GIS\Projects\2019\181082_FTB_193-28_DB - Benton - Various Ph. IIRWork Order 4 IL 15 over Lurie Creek\CAD\CADD_Sheets\0816197-int-Detour.dgn
 DATE: 8/17/2022



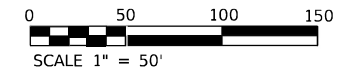
USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 2.0000 / in.	DRAWN - RG	REVISIONS -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISIONS -
	DATE - 08/10/2022	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 15
ROAD CLOSURE DETOUR**
SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

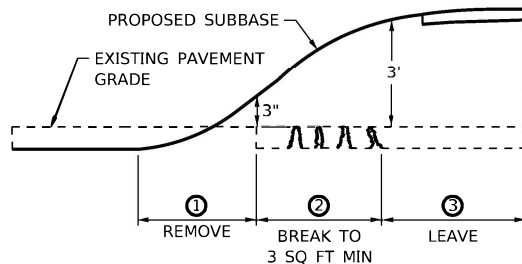
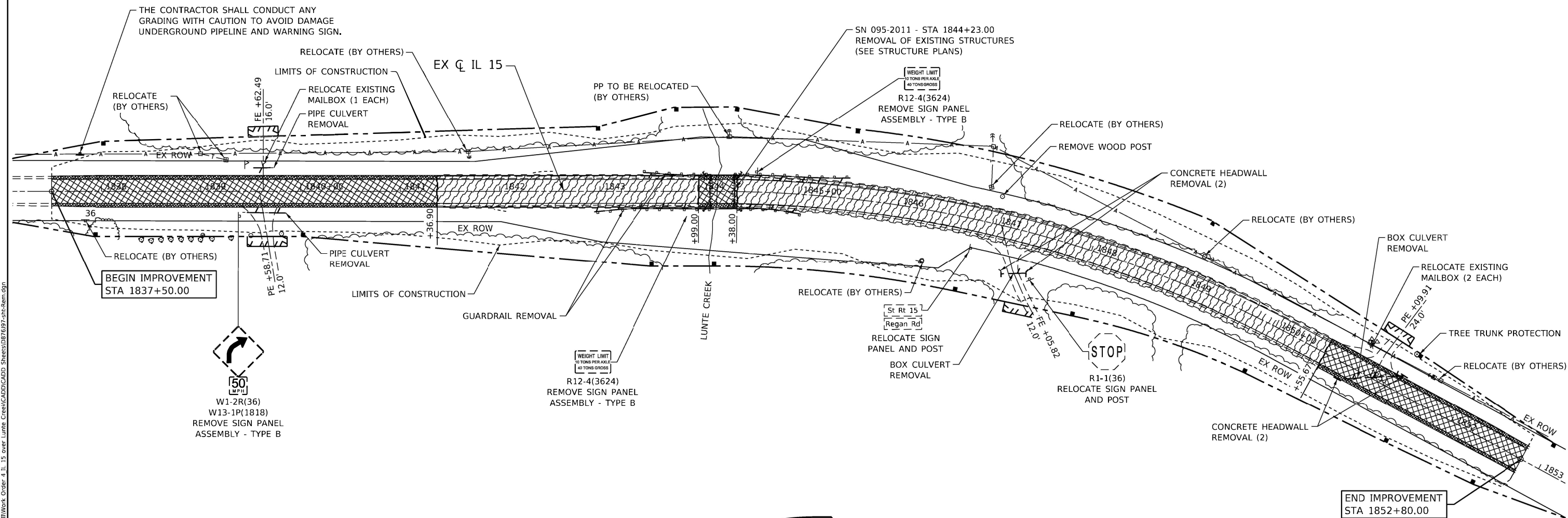
F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J97	

REV. - MS



LEGEND

- LINEAR ITEM TO BE REMOVED
- PAVEMENT BREAK AND LEAVE (SQ YD)
- PAVEMENT REMOVAL (SQ YD)
- PAVED SHOULDER REMOVAL (SQ YD)
- *REL ITEM TO BE RELOCATED BY OTHERS
- REL ITEM TO BE RELOCATED
- ADJ ITEM TO BE ADJUSTED
- R ITEM TO BE REMOVED



PAVEMENT BREAKING DETAIL
(SEE SCHEDULE OF QUANTITIES)

MODEL: Default
 FILE NAME: C:\gigap\Projects\2019\11\082_FTB_193-28_DB - Benton - Various Ph. HillWork_Order_4_IL_15 over Lunte Creek\CADD\CADD_Sheets\0816197-shr-rem.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 15 REMOVAL PLAN		
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS	STA. 1837+50 TO STA. 1852+80

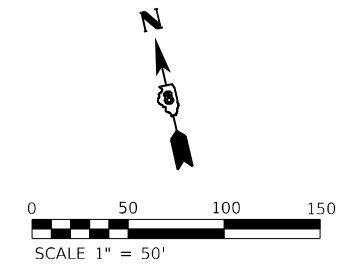
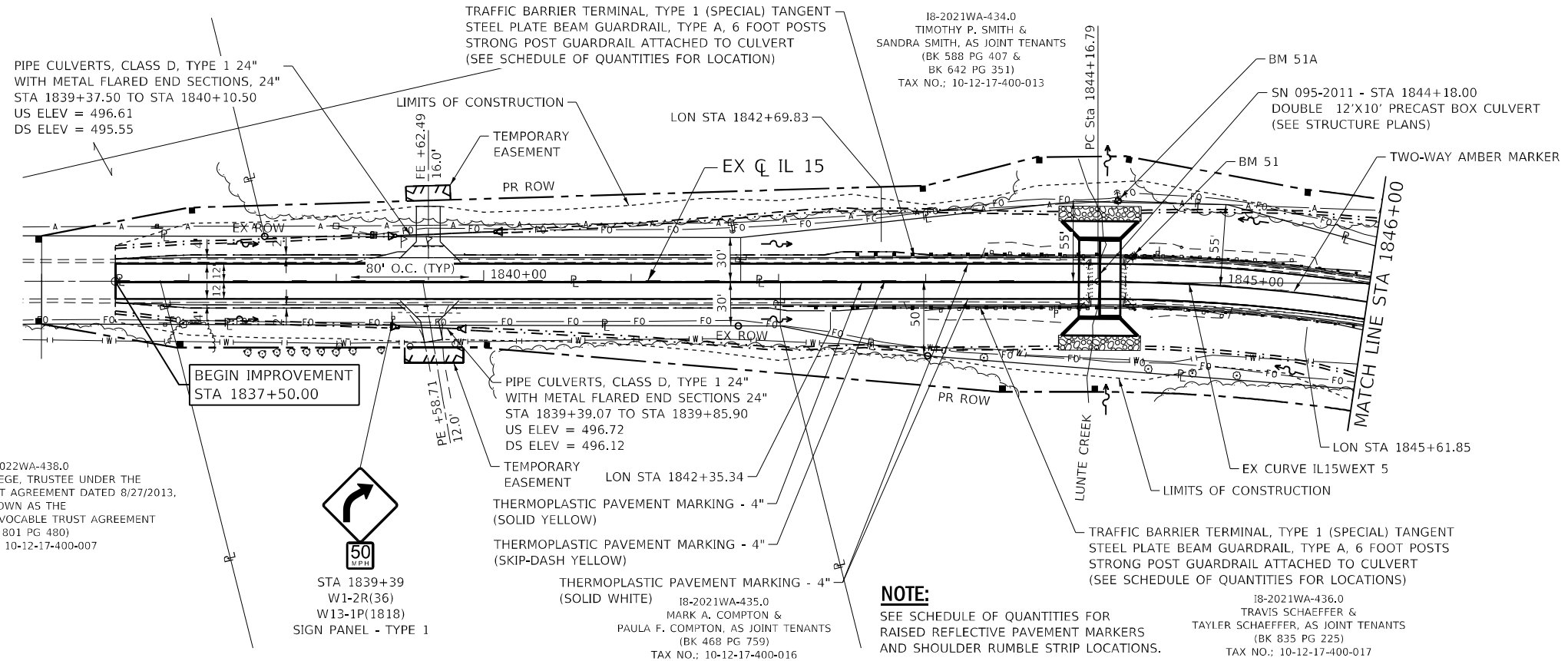
F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 15
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 76J97

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	NO.	

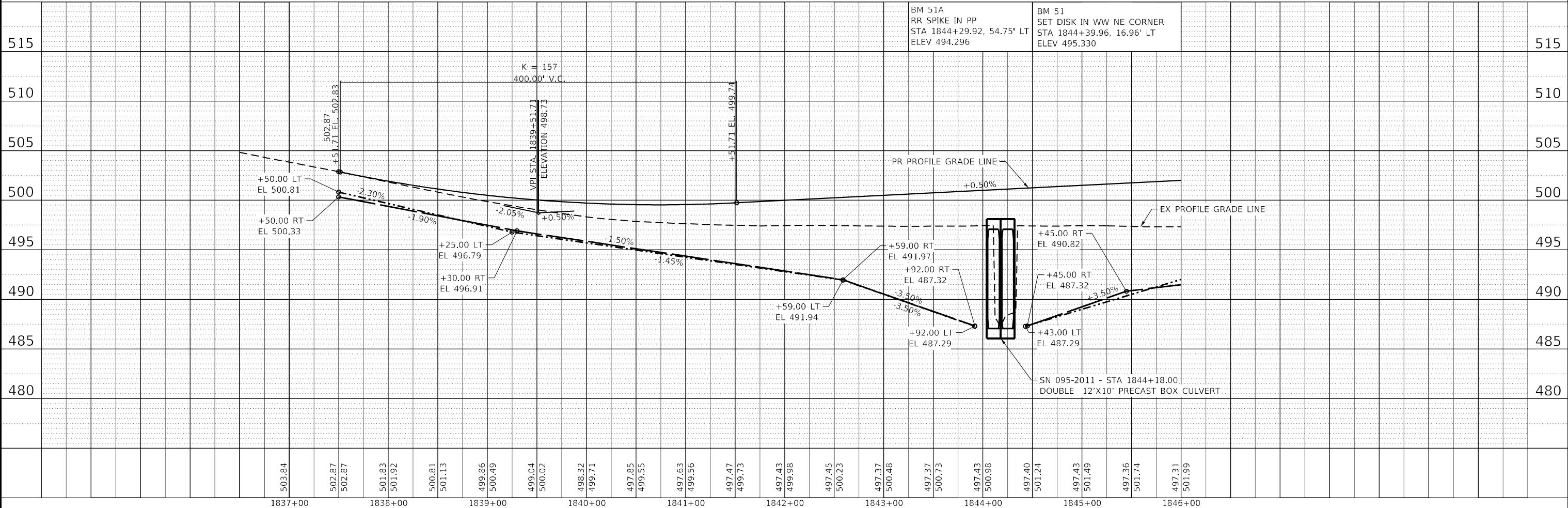
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS C/RWD	
	NO.	
	NO.	

MODEL: Default
 FILE NAME: S:\2022\191101022_PTB_193228_DB - Benham - Various Ph. EIT\Work Order 4 IL 15 over Lunte Creek\CADD\CADD Sheets\DE761973-1.dwg
 193228 DB - Benham - Various Ph. EIT\Work Order 4 IL 15 over Lunte Creek\CADD\CADD Sheets\DE761973-1.dwg



EX CURVE IL15WEXT_5
 PI STA. = 1847+27.86
 $\Delta = 28^\circ 27' 17''$ (RT)
 $D = 4^\circ 40' 12''$
 $R = 1,226.91'$
 $T = 311.08'$
 $L = 609.32'$
 $E = 38.82'$
 $e = 6\%$
 $T.R. = 38'$
 $S.E. RUN = 153'$
 $P.C. STA. = 1844+16.79$
 $P.T. STA. = 1850+26.10$

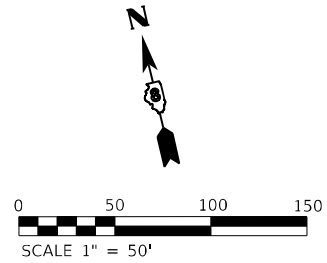
NOTE:
 SEE SCHEDULE OF QUANTITIES FOR
 RAISED REFLECTIVE PAVEMENT MARKERS
 AND SHOULDER RUMBLE STRIP LOCATIONS.



 QUIGG ENGINEERING INC	USER NAME = rgoertz DESIGNED - RG DRAWN - RG CHECKED - JA DATE - 08/10/2022	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 15 PLAN AND PROFILE	F.A.P. RTE. 817 SECTION 7BR-1 COUNTY WASHINGTON CONTRACT NO. 76J97	TOTAL SHEETS 41 SHEET NO. 16
	PLOT SCALE = 100,0000' / in. PLOT DATE = 8/17/2022	SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 1837+50 TO STA. 1846+00			ILLINOIS FED. AID PROJECT	

18-2021WA-434.0
TIMOTHY P. SMITH &
SANDRA SMITH, AS JOINT TENANTS
(BK 588 PG 407 &
BK 642 PG 351)
TAX NO.: 10-12-17-400-013

18-2021WA-432.0
WAYLAND JASPER, TRUSTEE OF LORENE I. WEIHE TRUST
DATED APRIL 22, 1982 AS AMENDED TO AN UNDIVIDED 1/2 INTEREST &
GARY C. WEIHE AND LARRY L. WEIHE, AS SUCCESSOR CO-TRUSTEES
OF THE REVOCABLE LIVING TRUST AGREEMENT OF LAWRENCE C. WEIHE
DATED APRIL 22, 1982 AS AMENDED TO AN UNDIVIDED 1/2 INTEREST
(BK 784 PG 117 &
BK 531 PG 811)
TAX NO.: 10-12-16-300-015



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	FIELD FILE NAME	
	NO.	

THERMOPLASTIC PAVEMENT MARKING - 4" (SOLID WHITE)
THERMOPLASTIC PAVEMENT MARKING - 4" (SOLID YELLOW)
THERMOPLASTIC PAVEMENT MARKING - 4" (SKIP-DASH YELLOW)

18-2021WA-436.0
TRAVIS SCHAEFFER &
TAYLER SCHAEFFER, AS JOINT TENANTS
(BK 835 PG 225)
TAX NO.: 10-12-17-400-017

PIPE CULVERTS, CLASS D, TYPE 1 30" WITH METAL FLARED END SECTIONS 30" STA 1846+43.40 TO STA 1847+66.20
US ELEV= 494.06
DS ELEV= 492.15

EX CURVE IL15WEXT 5
PI STA. = 1847+27.86
Δ = 28° 27' 17" (RT)
D = 4° 40' 12"
R = 1,226.91'
T = 311.08'
L = 609.32'
E = 38.82'
P.C. STA. = 1844+16.79
P.T. STA. = 1850+26.10

18-2021WA-431.0
ROBERTA KAY BENING &
DAVID J. BENING, AS JOINT TENANTS
(BK 600 PG 139 &
BK 600 PG 142)
TAX NO.: 10-12-16-300-014

END IMPROVEMENT
STA 1852+80.00

PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30" WITH PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30" STA 1851+13.00, 45° SKEW
US ELEV = 500.02, 1851+46.25, 33.23' LT
DS ELEV = 499.61, 1850+78.35, 34.65' RT



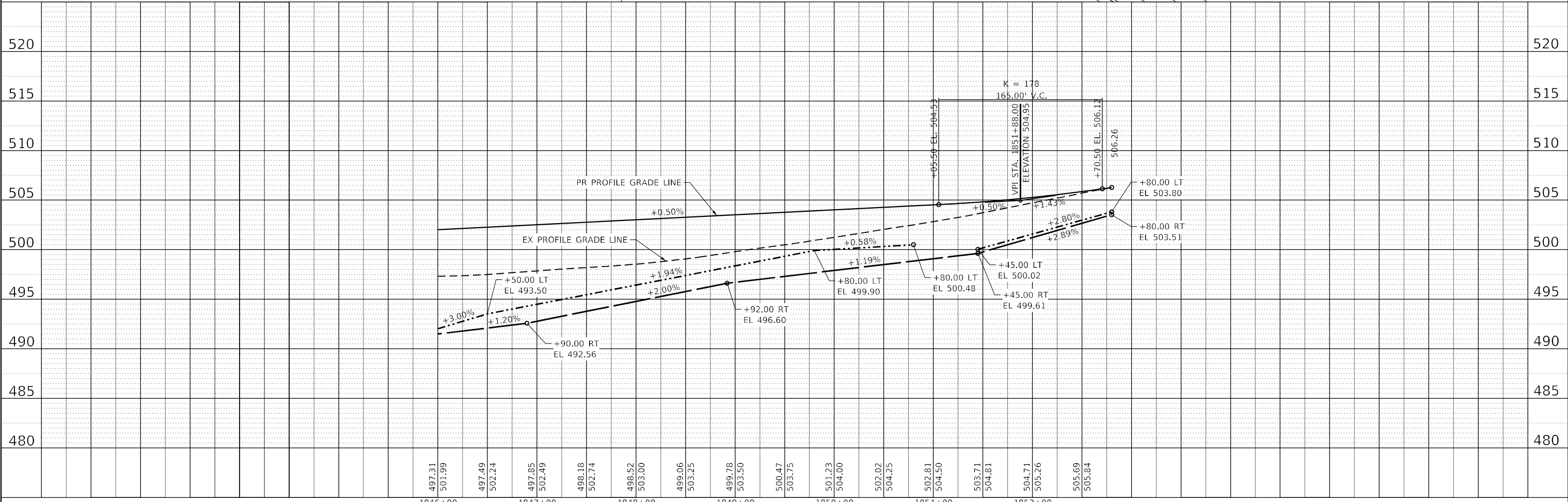
FORMERLY
LUEBKE
(BK 305 PG 555)
18-2022WA-437.00
THOMAS W. HENRY &
CAROL ANN HENRY
AS JOINT TENANTS
(BK 348 PG 639)
TAX NO.: 10-12-16-300-009

NOTE:

SEE SCHEDULE OF QUANTITIES FOR RAISED REFLECTIVE PAVEMENT MARKERS AND SHOULDER RUMBLE STRIP LOCATIONS.

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

MODEL: Default
FILE NAME: S:\2020\19101002_PTB_19328_DB - Benton - Various Ph EIT\Work Order - IL - 15 over Lurie Credit\CADD\CADD Sheets\19328_DB\19328_DB.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 15
PLAN AND PROFILE
SCALE: 1" = 50'
SHEET 2 OF 2 SHEETS
STA. 1846+00 TO STA. 1852+80

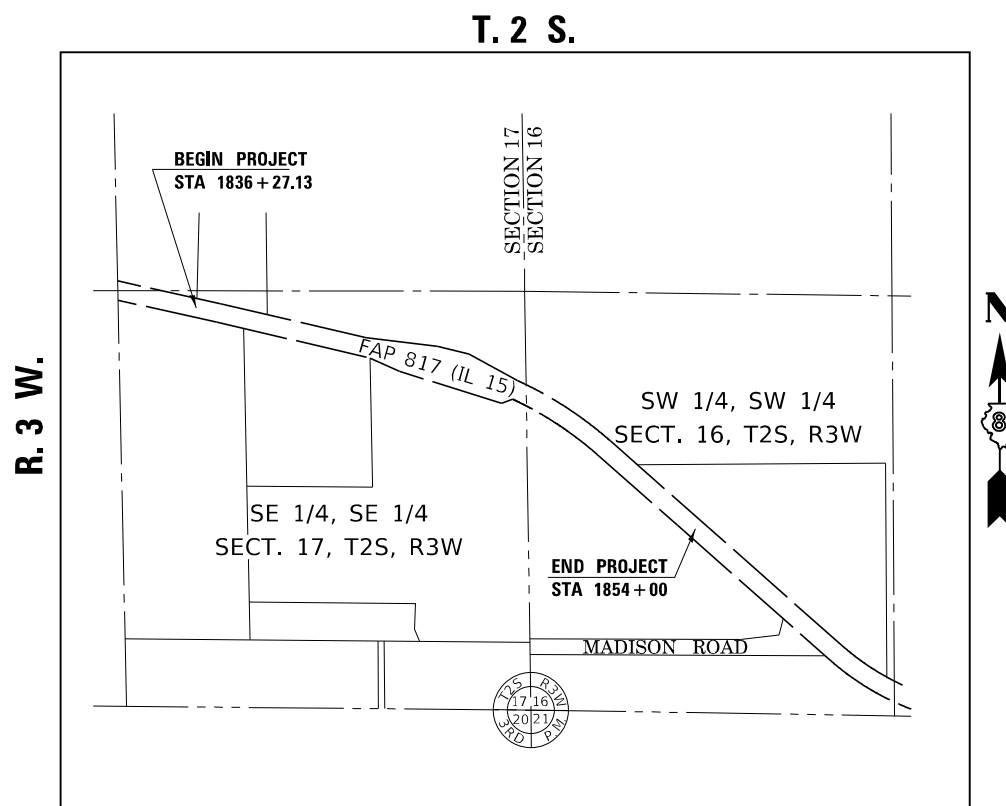
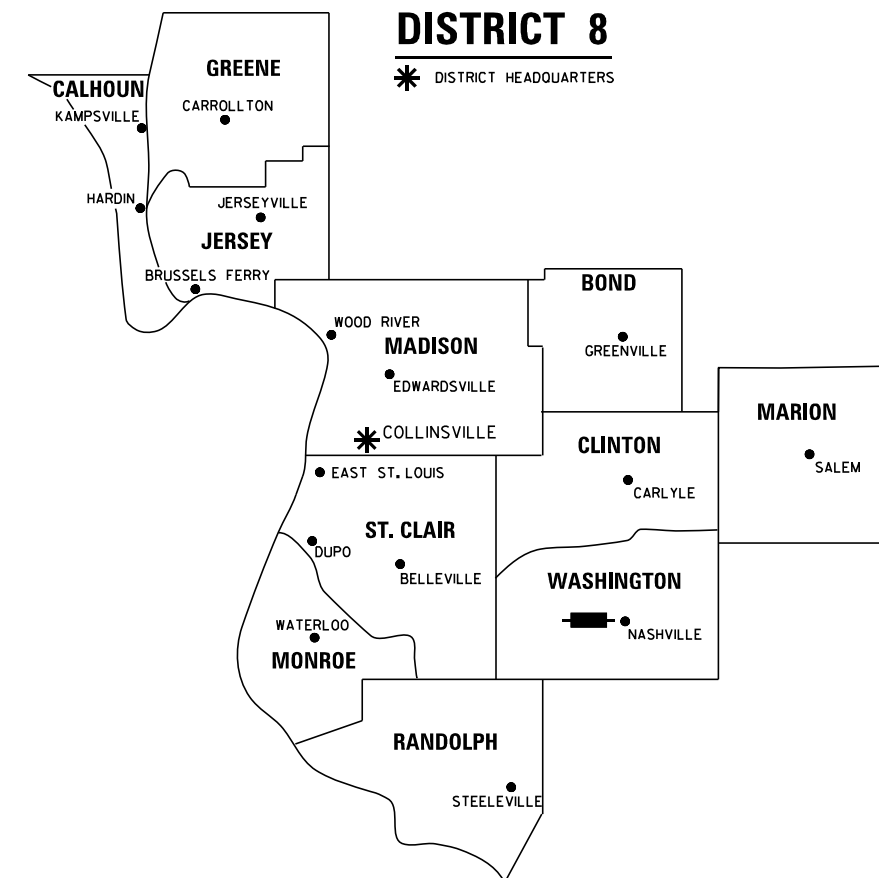
F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 17
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

SHEET INDEX		
SHEET NO.	STATION to STATION	DESCRIPTION
1		COVER SHEET
2		LEGEND/NOTES SHEET
3	1836+27.13 TO 1847+14.28	PARCELS 8120011, 8120012, 8120013, 8120013TE, 8120014, 8120014TE, 8120016 & 8120016TE
4	1847+14.28 TO 1854+00	PARCELS 8120015, 8120015TE, 8120017 & 8120018 TOTAL HOLDINGS 8120017 & 8120018
5		TOTAL HOLDINGS 8120011, 8120012, 8120013, 8120014, 8120015 & 8120016
6		SECTION CORNER & CONTROL 3-WAY TIES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

PLAT OF HIGHWAYS

FAP ROUTE 817 (IL 15)
SECTION 7BR-1
WASHINGTON COUNTY
JOB NO. R-98-020-21



PROJECT LENGTH = 1773 LIN. FT. = 0.3358 MILES

LOCATION OF SECTION INDICATED THUS: [shaded rectangle]

PRELIMINARY

PREPARED BY:
API Survey LLC
11145 N. Mockingbird Road
Suite A
P.O. Box 333
Nashville, Illinois 62263
Ph. 618-478-9000
Email: gary@apisurvey.com
IDPR Design Firm License No. 184-006526



6/29/2022

JACK A. GELSO, IPLS # 3786
EXPIRATION DATE: 11-30-2022

SHEET 1 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	18
CONTRACT NO. 76197				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

SPACE RESERVED FOR RECORDING OFFICER

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL GULFBOX	○	DRAINAGE FLOW LINE	FL
TRAFFIC SIGNAL HANDHOLE	□	RIP RAP	
TRAFFIC SIGNAL SIGNAL POST	○	HEADWALL	
TRAFFIC SIGNAL STEEL MAST ARM		CULVERT END SECTION	
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON	●	DRAINAGE MANHOLE	○
TRAFFIC SIGNAL WOODEN POLE	○	INLET	○
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY	▲	ROADWAY DITCH FLOW	
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET	□	VEGETATION LINE	
TRAFFIC SIGNAL JUNCTION BOX	□	STUMP	■
TRAFFIC SIGNAL CONTROLLER	□	SHRUB	○
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE	□	EVERGREEN TREE	○
RAILROAD CANTILEVER MAST ARM		DECIDUOUS TREE	○
RAILROAD CROSSBUCK		WOODS/BUSH LINE	
RAILROAD TRACK		TRAFFIC SIGN	
RAILROAD TRACK (ABANDONED)		GUARDRAIL POST	
RAILROAD CROSSGATE		GUARDRAIL	
RAILROAD CONTROL BOX	□	FIELD LINE	
RAILROAD FLASHING SIGNAL		LEVEE/NOISE BARRIER	
UTILITY TELEPHONE SPLICE BOX	□	FENCE	
UTILITY POWER POLE	○	MAIL BOX	○
UTILITY TRAFFIC SIGNAL	○	ADVERTISING SIGN	□
UTILITY LIGHT POLE	○	MARSH	
UTILITY FIRE HYDRANT	○	LIGHTING HANDHOLE	○
UTILITY MANHOLE	○	LIGHTING POWER POLE	○
UTILITY TELEPHONE POLE	○	LIGHTING JUNCTION BOX	○
UTILITY GUY ANCHOR	○	LIGHTING HEAVYDUTY HANDHOLE	○
UTILITY PIPELINE WARNING SIGN	○	LIGHTING CONTROLLER	○
UTILITY HANDHOLE	○	LIGHTING PULL POINT	○
UTILITY SPLICE BOX	□	HIGHWAY LIGHTING ELECTRICAL GROUND	
UTILITY JUNCTION BOX	□	HIGHWAY LIGHTING SINGLE UNIT	
UTILITY HEAVY DUTY HANDHOLE	□	HIGHWAY LIGHTING DOUBLE UNIT	
UTILITY DOUBLE HANDHOLE	□	EXISTING CONCRETE BARRIER	
UTILITY CONTROLLER	□	EXISTING CREEK OR DITCH	
UTILITY WATER METER	○	EXISTING EDGE OF PAVEMENT	

RIGHT-OF-WAY LEGEND

	EXISTING CENTERLINE
	EXISTING RIGHT-OF-WAY LINE
	FORMER RIGHT-OF-WAY LINE
	EXISTING IDOT EASEMENT LINE
	EXISTING EASEMENT LINE
	BUILDING SETBACK LINE
	EXISTING ACCESS CONTROL LINE
	EXISTING RIGHT-OF-WAY & PROPOSED ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE
	PROPOSED CENTERLINE
	PROPOSED RIGHT-OF-WAY LINE
	PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER QUARTER SECTION LINE
	PROPERTY LINE (TITLE)
	RECORDED PLAT/DEED LINE
	APPARENT PROPERTY LINE
	SAME OWNERSHIP
	MEASURED DIMENSION
	RECORDED DIMENSION
	FOUND STONE
	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
	FOUND CUT CROSS
	SET CUT CROSS

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
CL	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
DED	DEDICATED
E	EAST
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m ²	METER
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
PL	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD
ROW	RIGHT-OF-WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SEC	SECTION
SQ FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
T	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

PROPOSED PARCEL NUMBER LEGEND

	PROPOSED FEE SIMPLE ACQUISITION
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT
	PROPOSED DEDICATION
	PROPOSED ACCESS CONTROL LINE

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
R	RADIUS OF CURVE
L	LENGTH OF CURVE
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
E	EXTERNAL ORDINATE
Δ	CENTRAL ANGLE

BASIS OF COORDINATE & BEARING STATEMENT

THE PROJECT COORDINATES AND THE BASIS OF BEARINGS WERE ESTABLISHED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION GPS SURVEY. THE SURVEY WAS PERFORMED DURING THE MONTH OF APRIL 20016.

BEARINGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE 1202, NAD83 (2011) EPOCH 2010.00. THE DISTANCES SHOWN HEREON, EXCEPT AS NOTED, ARE GROUND DISTANCES. THE AVERAGE COMBINATION FACTOR USED FOR THIS PLAT IS 0.9999743281. THE GRID COORDINATES WHEN DIVIDED BY THE AVERAGE COMBINATION FACTOR WILL PROVIDE THE MODIFIED GROUND COORDINATES.

PROJECT COORDINATES ARE MODIFIED GROUND COORDINATES AND BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 (1997). TWO MILLION (2,000,000) HAS BEEN TRUNCATED FROM THE EASTINGS TO DISTINGUISH THE PROJECT COORDINATES AS MODIFIED GROUND COORDINATES.

GPS SURVEY/COORDINATE SYSTEM
STATE PLANE COORDINATE ZONE: ILLINOIS COORDINATE SYSTEM, WEST ZONE 1202, NAD83 (2011) EPOCH 2010.00
VERTICAL DATUM: NAVD 88
GEOID MODEL: GEOID 12A
AVERAGE COMBINATION FACTOR = 0.9999743281

THE CONTROL POINTS UTILIZED ON THIS PROJECT AND THEIR ASSOCIATED COORDINATES, AS PROVIDED BY THE DEPARTMENT, ARE LISTED IN THE TABLE BELOW.

**PROJECT SURVEY CONTROL DATA
GROUND SURFACE COORDINATE SYSTEM**

POINT NO.	NORTHING	EASTING	DESCRIPTION
1	613,837.5003	502,893.2997	IR WITH IDOT CAP
2	613,654.2936	503,274.6375	IR WITH IDOT CAP
3	613,709.4503	503,386.9613	IR WITH IDOT CAP
4	612,842.0113	504,447.9355	IR WITH IDOT CAP
5	612,600.0180	505,231.6865	IR WITH IDOT CAP

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON _____:

- 1.
- 2.
- 3.



**JACK A. GELSCO, IPLS # 3786
EXPIRATION DATE: 11-30-2022**

6/29/2022

PRELIMINARY

PREPARED BY:

API Survey LLC
11145 N. Mockingbird Road
Suite A
P.O. Box 333
Nashville, Illinois 62263
Ph. 618-478-9000
Email: gary@apisurvey.com
IDPR Design Firm License No. 184-006526

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 817 (IL 15)
SECTION 7BR-1
WASHINGTON COUNTY
JOB NO. R-98-020-21
LEGENDS AND NOTES SHEET

SHEET 2 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198					
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
817	7BR-1	WASHINGTON	41	19	
CONTRACT NO. 76197					
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					

PART OF SE 14 OF SE 14 OF SECTION 17, T. 2 S., R. 3 W., OF THE 3RD P.M., WASHINGTON COUNTY, ILLINOIS

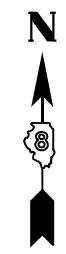
SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

NOTE "A": PI LOCATED AT STA 837+00.00 0.92' LT BASED ON THE CENTERLINE ESTABLISHED BY SECTION 7 WASHINGTON COUNTY, ROUTE 15 CONSTRUCTION DOCUMENTS DATED 1921. THE SOUTH LINE OF THE SMITH TRUSTEE'S DEED PER BK 588 PG 407 FOLLOWS SAID CENTERLINE

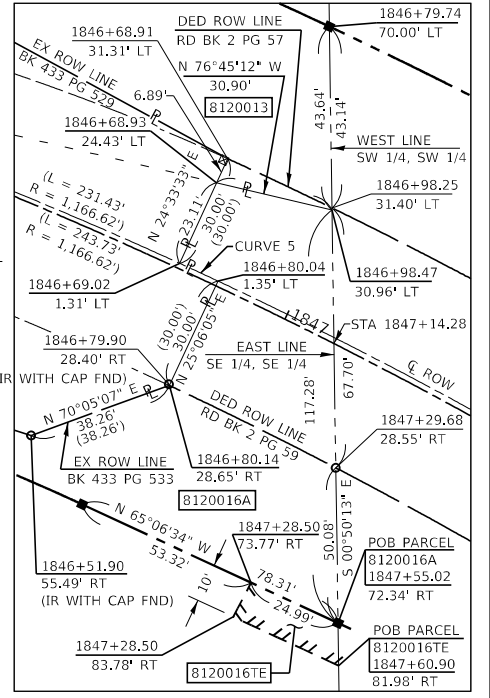
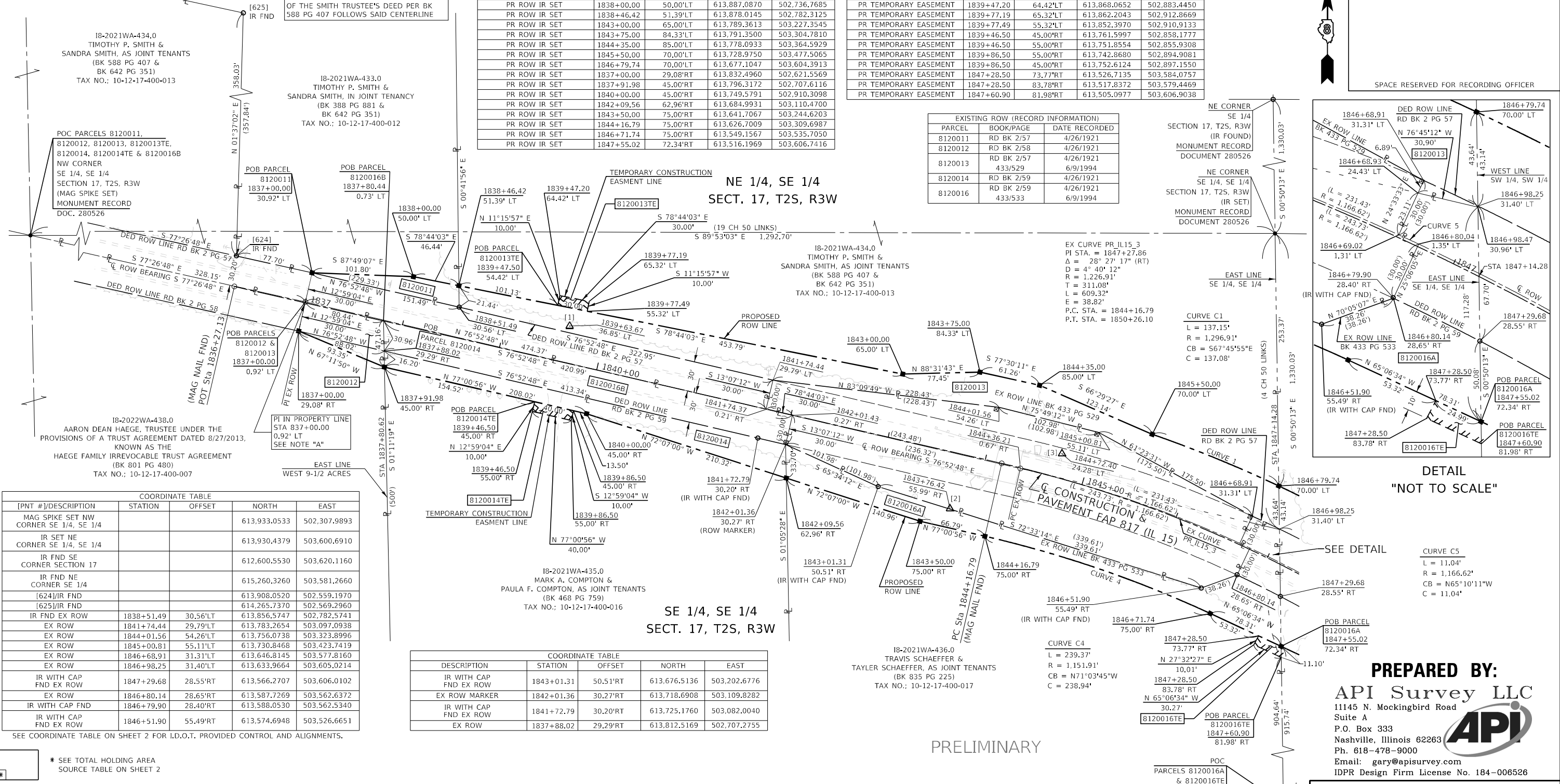
DESCRIPTION	STATION	OFFSET	NORTH	EAST
PR ROW IR SET	1837+00.00	30.92'LT	613.890.9620	502.635.0380
PR ROW IR SET	1838+00.00	50.00'LT	613.887.0870	502.736.7685
PR ROW IR SET	1838+46.42	51.39'LT	613.878.0145	502.782.3125
PR ROW IR SET	1843+00.00	65.00'LT	613.789.3613	503.227.3545
PR ROW IR SET	1843+75.00	84.33'LT	613.791.3500	503.304.7810
PR ROW IR SET	1844+35.00	85.00'LT	613.778.0933	503.364.5929
PR ROW IR SET	1845+50.00	70.00'LT	613.728.9750	503.477.5065
PR ROW IR SET	1846+79.74	70.00'LT	613.677.1047	503.604.3913
PR ROW IR SET	1837+00.00	29.08'RT	613.832.4960	502.621.5569
PR ROW IR SET	1837+91.98	45.00'RT	613.796.3172	502.707.6116
PR ROW IR SET	1840+00.00	45.00'RT	613.749.5791	502.910.3098
PR ROW IR SET	1842+09.56	62.96'RT	613.684.9931	503.110.4700
PR ROW IR SET	1843+50.00	75.00'RT	613.641.7067	503.244.6203
PR ROW IR SET	1844+16.79	75.00'RT	613.626.7009	503.309.6987
PR ROW IR SET	1846+71.74	75.00'RT	613.549.1567	503.535.7050
PR ROW IR SET	1847+55.02	72.34'RT	613.516.1969	503.606.7416

DESCRIPTION	STATION	OFFSET	NORTH	EAST
PR TEMPORARY EASEMENT	1839+47.50	54.42'LT	613.858.2579	502.881.4914
PR TEMPORARY EASEMENT	1839+47.20	64.42'LT	613.868.0652	502.883.4450
PR TEMPORARY EASEMENT	1839+77.19	65.32'LT	613.862.2043	502.912.8669
PR TEMPORARY EASEMENT	1839+77.49	55.32'LT	613.852.3970	502.910.9133
PR TEMPORARY EASEMENT	1839+46.50	45.00'RT	613.761.5997	502.858.1777
PR TEMPORARY EASEMENT	1839+46.50	55.00'RT	613.751.8554	502.855.9308
PR TEMPORARY EASEMENT	1839+86.50	55.00'RT	613.742.8680	502.894.9081
PR TEMPORARY EASEMENT	1839+86.50	45.00'RT	613.752.6124	502.897.1550
PR TEMPORARY EASEMENT	1847+28.50	73.77'RT	613.526.7135	503.584.0757
PR TEMPORARY EASEMENT	1847+28.50	83.78'RT	613.517.8372	503.579.4469
PR TEMPORARY EASEMENT	1847+60.90	81.98'RT	613.505.0977	503.606.9038

PARCEL	BOOK/PAGE	DATE RECORDED
8120011	RD BK 2/57	4/26/1921
8120012	RD BK 2/58	4/26/1921
8120013	RD BK 2/57	4/26/1921
8120014	RD BK 2/59	4/26/1921
8120016	RD BK 2/59	4/26/1921
	433/533	6/9/1994



SPACE RESERVED FOR RECORDING OFFICER



[PNT #]/DESCRIPTION	STATION	OFFSET	NORTH	EAST
MAG SPIKE SET NW CORNER SE 1/4, SE 1/4			613,933.0533	502,307.9893
IR SET NE CORNER SE 1/4, SE 1/4			613,930.4379	503,600.6910
IR FND SE CORNER SECTION 17			612,600.5530	503,620.1160
IR FND NE CORNER SE 1/4			615,260.3260	503,581.2660
[624]IR FND			613,908.0520	502,559.1970
[625]IR FND			614,265.7370	502,569.2960
IR FND EX ROW	1838+51.49	30.56'LT	613,856.5747	502,782.5741
EX ROW	1841+74.44	29.79'LT	613,783.2654	503,097.0938
EX ROW	1844+01.56	54.26'LT	613,756.0738	503,323.8996
EX ROW	1845+00.81	55.11'LT	613,730.8468	503,423.7419
EX ROW	1846+68.91	31.31'LT	613,646.8145	503,577.8160
EX ROW	1846+98.25	31.40'LT	613,633.9664	503,605.0214
IR WITH CAP FND EX ROW	1847+29.68	28.55'RT	613,566.2707	503,606.0102
EX ROW	1846+80.14	28.65'RT	613,587.7269	503,562.6372
IR WITH CAP FND	1846+79.90	28.40'RT	613,588.0530	503,562.5340
IR WITH CAP FND EX ROW	1846+51.90	55.49'RT	613,574.6948	503,526.6651

DESCRIPTION	STATION	OFFSET	NORTH	EAST
IR WITH CAP FND EX ROW	1843+01.31	50.51'RT	613,676.5136	503,202.6776
EX ROW MARKER	1842+01.36	30.27'RT	613,718.6908	503,109.8282
IR WITH CAP FND EX ROW	1841+72.79	30.20'RT	613,725.1760	503,082.0040
EX ROW	1837+88.02	29.29'RT	613,812.5169	502,707.2755

PREPARED BY:
API Survey LLC
 11145 N. Mockingbird Road
 Suite A
 P.O. Box 333
 Nashville, Illinois 62263
 Ph. 618-478-9000
 Email: gary@apisurvey.com
 IDPR Design Firm License No. 184-006526

SEE COORDINATE TABLE ON SHEET 2 FOR I.D.O.T. PROVIDED CONTROL AND ALIGNMENTS.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION					REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER AFFECTED	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED		NET		EASEMENT PURPOSE			
			ACRES	SQ FT	ACRES	SQ FT	ACRES			SQ FT		
8120011	TIMOTHY P. SMITH & SANDRA SMITH, IN JOINT TENANCY TITLE REPORT NO. 18-2021WA-433.0	6.5262	0.0448	1,950	0.0448	1,950	6.4814	0.0069	300	DRIVEWAY CONSTRUCTION & GRADING	10-12-17-400-013	
8120012	AARON DEAN HAEGE AS TRUSTEE UNDER PROVISIONS OF A TRUST DATED THE 27TH DAY OF AUGUST, 2013, KNOWN AS THE HAEGE FAMILY IRREVOCABLE TRUST AGREEMENT TITLE REPORT NO. 18-2022WA-438.0	158.28	0.0739	3,217	0.0580	2,526	0.0159	691	158.2061		10-12-17-400-007	
8120013	TIMOTHY P. SMITH & SANDRA SMITH, AS JOINT TENANTS TITLE REPORT NO. 18-2021WA-434.0	71.27	0.8703	37,912	0.3293	14,343	0.5410	23,569	70.3997	TE = 0.0069 TE = 300	10-12-17-400-013	
8120014	MARK A. COMPTON & PAULA F. COMPTON, AS JOINT TENANTS TITLE REPORT NO. 18-2021WA-435.0	4.1829	0.1866	8,128		8,128	3.9963			TE = 0.0092 TE = 400	10-12-17-400-016	
8120016	TRAVIS SCHAEFFER & TAYLER SCHAEFFER, AS JOINT TENANTS TITLE REPORT NO. 18-2021WA-436.0	14.0151	A 0.3126 B 0.5999	A 13,615 B 26,130	A 0.0513 B 0.3386	A 2,235 B 14,750	A 0.2613 B 0.2613	A 11,380 B 11,380	13.4152	TE = 0.0063 TE = 276	10-12-17-400-017	

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 817 (IL 15)
 SECTION 7BR-1
 WASHINGTON COUNTY
 JOB NO. R-98-020-21
 STATION 1836+27.13 TO STATION 1847+14.28

SCALE: 1" = 50'

ILLINOIS DEPARTMENT OF TRANSPORTATION
 OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	20

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 12/20/2021 ROW STAKING:

DATED 6/29/2022

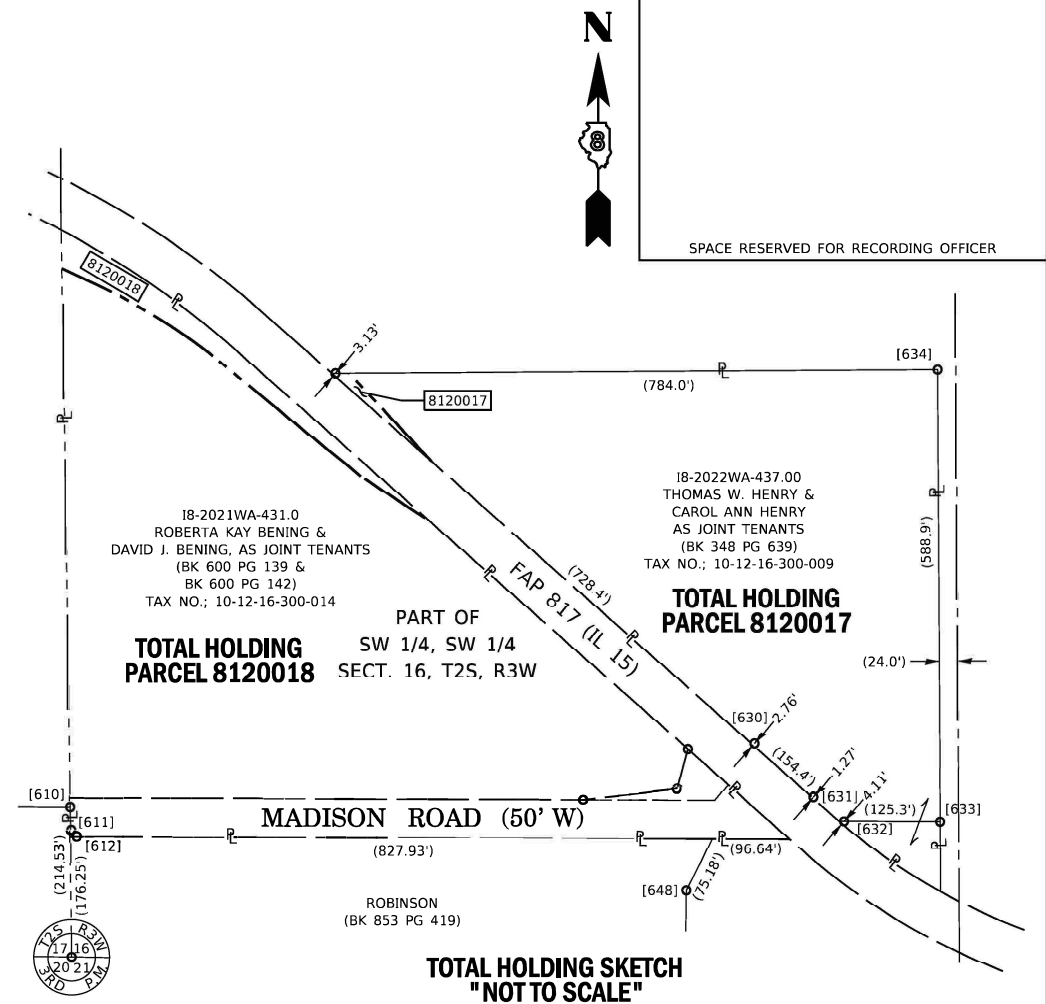
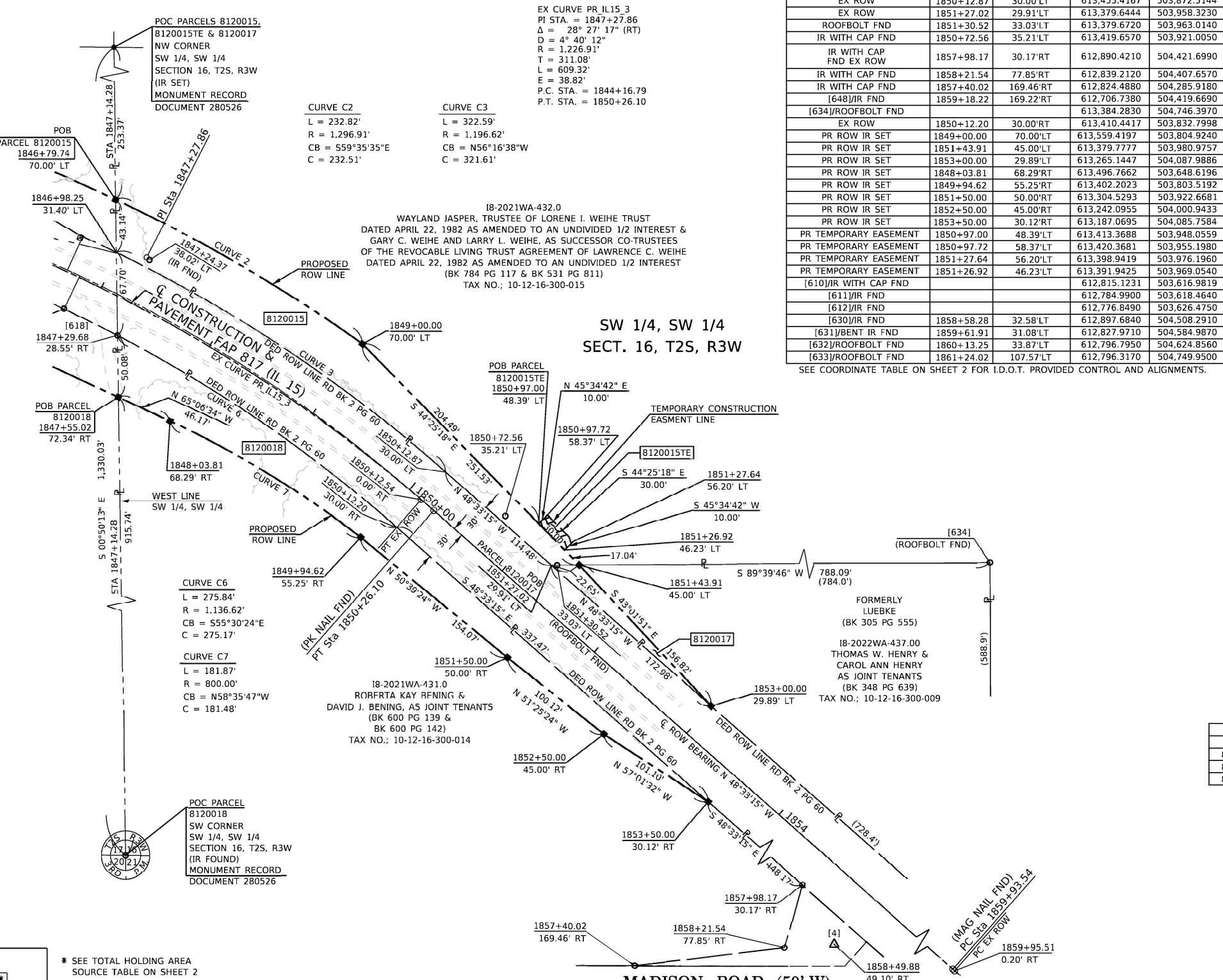
JACK A. GELSO, PLS. NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2022

PART OF SW 1/4 OF SW 1/4 OF SECTION 16, T. 2 S., R. 3 W., OF THE 3RD P.M., WASHINGTON COUNTY, ILLINOIS

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
[PNT #]/DESCRIPTION	STATION	OFFSET	NORTH	EAST
IR FND	1847+24.37	38.02'LT	613,627.7920	503,631.9840
EX ROW	1850+12.87	30.00'LT	613,455.4167	503,872.5144
EX ROW	1851+27.02	29.91'LT	613,379.6444	503,958.3230
ROOFBOLT FND	1851+30.52	33.03'LT	613,379.6720	503,963.0140
IR WITH CAP FND	1850+72.56	35.21'LT	613,419.6570	503,921.0050
IR WITH CAP FND EX ROW	1857+98.17	30.17'RT	612,890.4210	504,421.6990
IR WITH CAP FND	1858+21.54	77.85'RT	612,839.2120	504,407.6570
IR WITH CAP FND	1857+40.02	169.46'RT	612,824.4880	504,285.9180
[648]IR FND	1859+18.22	169.22'RT	612,706.7380	504,419.6690
[634]ROOFBOLT FND			613,384.2830	504,746.3970
EX ROW	1850+12.20	30.00'RT	613,410.4417	503,832.7998
PR ROW IR SET	1849+00.00	70.00'LT	613,559.4197	503,804.9240
PR ROW IR SET	1851+43.91	45.00'LT	613,379.7777	503,980.9757
PR ROW IR SET	1853+00.00	29.89'LT	613,265.1447	504,087.9886
PR ROW IR SET	1848+03.81	68.29'RT	613,496.7662	503,648.6196
PR ROW IR SET	1849+94.62	55.25'RT	613,402.2023	503,803.5192
PR ROW IR SET	1851+50.00	50.00'RT	613,304.5293	503,922.6681
PR ROW IR SET	1852+50.00	45.00'RT	613,242.0955	504,000.9433
PR ROW IR SET	1853+50.00	30.12'RT	613,187.0695	504,085.7584
PR TEMPORARY EASEMENT	1850+97.00	48.39'LT	613,413.3688	503,948.0559
PR TEMPORARY EASEMENT	1850+97.72	58.37'LT	613,420.3681	503,955.1980
PR TEMPORARY EASEMENT	1851+27.64	56.20'LT	613,398.9419	503,976.1960
PR TEMPORARY EASEMENT	1851+26.92	46.23'LT	613,391.9425	503,969.0540
[610]IR WITH CAP FND			612,815.1231	503,616.9819
[611]IR FND			612,784.9900	503,618.4640
[612]IR FND			612,776.8490	503,626.4750
[630]IR FND	1858+58.28	32.58'LT	612,897.6840	504,508.2910
[631]BENT IR FND	1859+61.91	31.08'LT	612,827.9710	504,584.9870
[632]ROOFBOLT FND	1860+13.25	33.87'LT	612,796.7950	504,624.8560
[633]ROOFBOLT FND	1861+24.02	107.57'LT	612,796.3170	504,749.9500

SEE COORDINATE TABLE ON SHEET 2 FOR I.D.O.T. PROVIDED CONTROL AND ALIGNMENTS.



EXISTING ROW (RECORD INFORMATION)		
PARCEL	BOOK/PAGE	DATE RECORDED
8120015	RD BK 2/60	4/26/1921
8120017	RD BK 2/60	4/26/1921
8120018	RD BK 2/60	4/26/1921

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION						EASEMENTS		PERMANENT TAX NUMBER AFFECTED	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED		NET		REMAINDER	EASEMENT PURPOSE		
			ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT				
8120015	WAYLAND JASPER, AS TRUSTEE OF THE LORENE I. WEIHE TRUST DATED APRIL 22, 1982, AS AMENDED, AS TO AN UNDIVIDED 1/2 INTEREST AND GARY C. WEIHE & LARRY L. WEIHE, AS SUCCESSOR CO-TRUSTEES OF THE REVOCABLE LIVING TRUST AGREEMENT OF LAWRENCE C. WEIHE DATED APRIL 22, 1982, AS AMENDED, AS TO AN UNDIVIDED 1/2 INTEREST TITLE REPORT NO. 18-2021WA-432.0	197.6	0.3350	14,592	0.3350	14,592	197.265	TE = 0.0069	TE = 300	DRIVEWAY CONSTRUCTION & GRADING	10-12-16-300-015	
8120017	THOMAS W. HENRY & CAROL ANN HENRY, AS JOINT TENANTS TITLE REPORT NO. 18-2021WA-437.0	6.27	0.0300	1,305	0.0300	1,305	6.240				10-12-16-300-009	
8120018	ROBERTA K. BENING & DAVID J. BENING, AS JOINT TENANTS TITLE REPORT NO. 18-2021WA-431.0	9.58	0.3285	14,308	0.3285	14,309	9.2515				10-12-16-300-014	

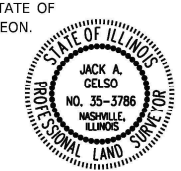
PRELIMINARY

STATE OF ILLINOIS)
 COUNTY OF WASHINGTON) SS

I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 6/29 022

JACK A. GELSO, PLS NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2022



PREPARED BY:
API Survey LLC
 11145 N. Mockingbird Road
 Suite A
 P.O. Box 333
 Nashville, Illinois 62263
 Ph. 618-478-9000
 Email: gary@apisurvey.com
 IDPR Design Firm License No. 184-006526

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 817 (IL 15)
 SECTION 7BR-1
 WASHINGTON COUNTY
 JOB NO. R-98-020-21
 STATION 1847+14.28 TO STATION 1854+00

50' 0 50' 100'
 SCALE: 1" = 50'

ILLINOIS DEPARTMENT OF TRANSPORTATION
 OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	21

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 12/20/2021 ROW STAKING:

FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT

PART OF SECTIONS 16 & 17, T. 2 S., R. 3 W., OF THE 3RD P.M., WASHINGTON COUNTY, ILLINOIS

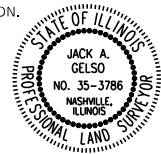
SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

STATE OF ILLINOIS)
) SS
 COUNTY OF WASHINGTON)

I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 6/29/2022

JACK A. GELSO, PLS NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2022

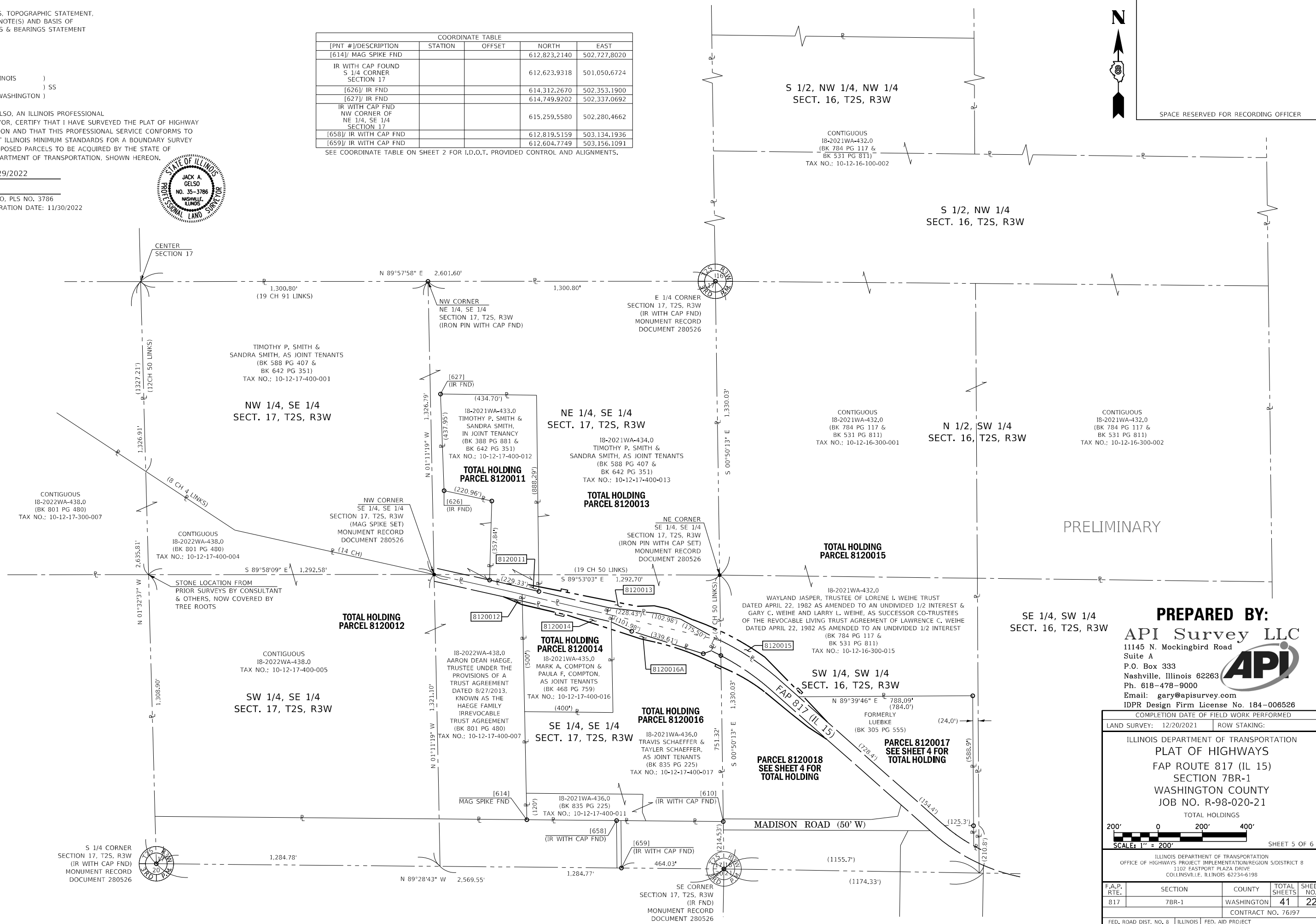


COORDINATE TABLE				
[PNT #]/DESCRIPTION	STATION	OFFSET	NORTH	EAST
[614]/ MAG SPIKE FND			612,823.2140	502,727.8020
IR WITH CAP FOUND S 1/4 CORNER SECTION 17			612,623.9318	501,050.6724
[626]/ IR FND			614,312.2670	502,353.1900
[627]/ IR FND			614,749.9202	502,337.0692
IR WITH CAP FND NW CORNER OF NE 1/4, SE 1/4 SECTION 17			615,259.5580	502,280.4662
[658]/ IR WITH CAP FND			612,819.5159	503,134.1936
[659]/ IR WITH CAP FND			612,604.7749	503,156.1091

SEE COORDINATE TABLE ON SHEET 2 FOR I.D.O.T. PROVIDED CONTROL AND ALIGNMENTS.



SPACE RESERVED FOR RECORDING OFFICER

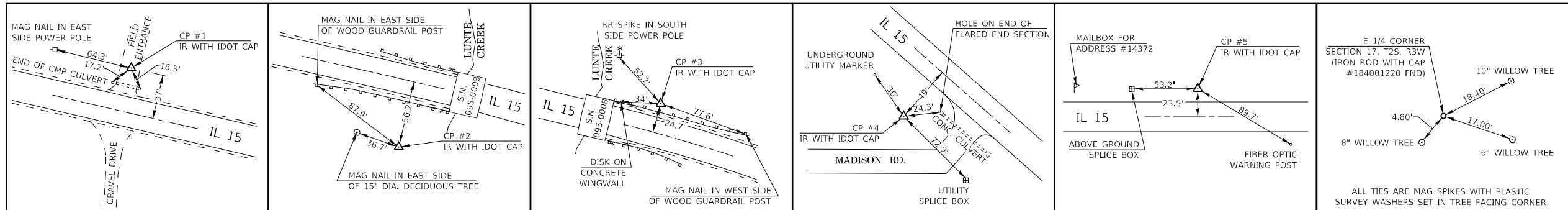


PRELIMINARY

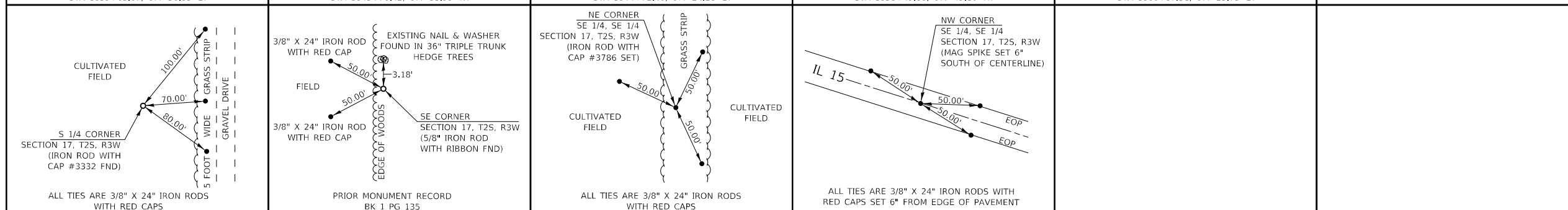
PREPARED BY:
API Survey LLC
 11145 N. Mockingbird Road
 Suite A
 P.O. Box 333
 Nashville, Illinois 62263
 Ph. 618-478-9000
 Email: gary@apisurvey.com
 IDPR Design Firm License No. 184-006526

COMPLETION DATE OF FIELD WORK PERFORMED			
LAND SURVEY: 12/20/2021	ROW STAKING:		
ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS FAP ROUTE 817 (IL 15) SECTION 7BR-1 WASHINGTON COUNTY JOB NO. R-98-020-21 TOTAL HOLDINGS			
SCALE: 1" = 200'			
SHEET 5 OF 6			
ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
817	7BR-1	WASHINGTON	41
			SHEET NO. 22
FED. ROAD DIST. NO. 8		ILLINOIS	FED. AID PROJECT

SECTION CORNER AND CONTROL TIE SHEET



<p align="center">CP #1</p> <p>N = 613,837.5003; E = 502,893.2997 STA 1839+63.67, OFF 36.85' LT</p>	<p align="center">CP #2</p> <p>N = 613,654.2936; E = 503,274.6375 STA 1843+76.42, OFF 55.99' RT</p>	<p align="center">CP #3</p> <p>N = 613,709.4503; E = 503,386.9613 STA 1844+72.40, OFF 24.28' LT</p>	<p align="center">CP #4</p> <p>N = 612,842.0113; E = 504,447.9355 STA 1858+49.88, OFF 49.10' RT</p>	<p align="center">CP #5</p> <p>N = 612,600.0180; E = 505,231.6865 STA 1866+87.51, OFF 23.75' LT</p>	<p align="center">E 1/4 CORNER, SECTION 17, T2S, R3W MONUMENT RECORD DOCUMENT 280526</p> <p>N = 615,260.3260; E = 503,581.2660</p>
----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------



<p align="center">S 1/4 CORNER, SECTION 17, T2S, R3W MONUMENT RECORD DOCUMENT 280526</p> <p>N = 612,623.9318; E = 501,050.6724</p>	<p align="center">SE CORNER, SECTION 17, T2S, R3W MONUMENT RECORD DOCUMENT 280526</p> <p>N = 612,600.5530; E = 503,620.1160</p>	<p align="center">NE CORNER, SE 1/4, SE 1/4, SECTION 17, T2S, R3W MONUMENT RECORD DOCUMENT 280526</p> <p>N = 613,930.4379; E = 503,600.6910</p>	<p align="center">NW CORNER, SE 1/4, SE 1/4, SECTION 17, T2S, R3W MONUMENT RECORD DOCUMENT 280526</p> <p>N = 613,933.0533; E = 502,307.9893</p>		
------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

RECEIVED 06-30-2022

SPACE RESERVED FOR RECORDING OFFICER

ALL TIES ARE MAG SPIKES WITH PLASTIC SURVEY WASHERS SET IN TREE FACING CORNER

6/29/2022

JACK A. GELSO, IPLS # 3786
EXPIRATION DATE: 11-30-2022

PRELIMINARY

PREPARED BY:
API Survey LLC
11145 N. Mockingbird Road
Suite A
P.O. Box 333
Nashville, Illinois 62263
Ph. 618-478-9000
Email: gary@apisurvey.com
IDPR Design Firm License No. 184-006526

COMPLETION DATE OF FIELD WORK PERFORMED

LAND SURVEY: 12/20/2021	ROW STAKING:
-------------------------	--------------

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 817 (IL 15)
SECTION 7BR-1
WASHINGTON COUNTY
JOB NO. R-98-020-21
CONTROL TIE SHEET

NOT TO SCALE

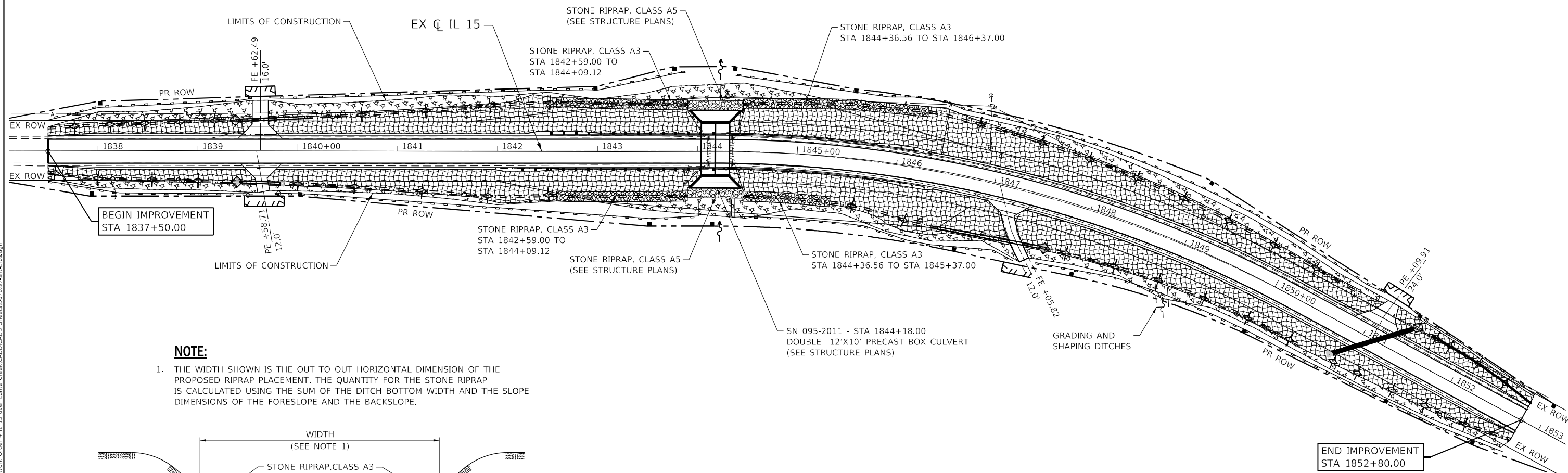
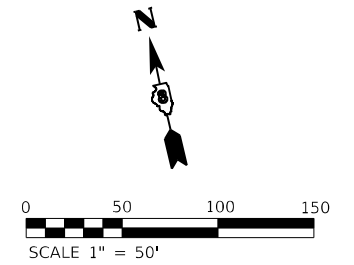
SHEET 6 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	23
			CONTRACT NO. 76197	

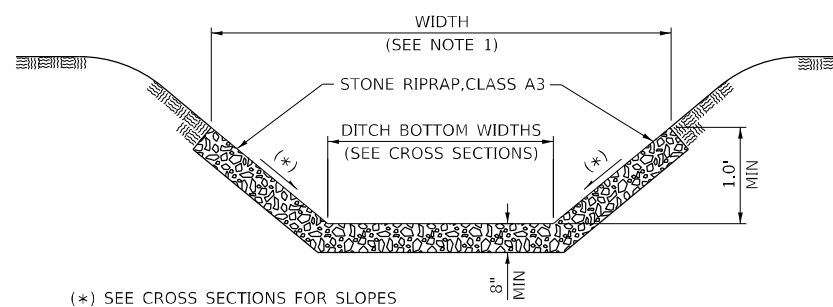
EROSION CONTROL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL, LATEST EDITIONS.
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
5. INLET & PIPE PROTECTION AND INLET FILTERS SHALL BE FUNCTIONAL PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES. ALL OTHER EROSION & SEDIMENT CONTROLS SHALL BE CONSTRUCTED AS QUICKLY AS PRACTICAL. ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL PERMANENT SEED IS ESTABLISHED.
6. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE REGULATORY AUTHORITIES.
8. PRIOR TO ANY CONSTRUCTION, EROSION CONTROL MEASURES SHALL BE IN PLACE.
9. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO SEDIMENT BASINS, SILT TRAPS OR FILTER BAGS. DEWATERING DIRECTLY INTO FIELD TILE OR STORM WATER STRUCTURES IS PROHIBITED.
10. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
11. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN FOR INSPECTION AND MAINTENANCE SCHEDULES, AND SEQUENCE OF ACTIVITIES.
12. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
13. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
14. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
15. ALL PERIMETER EROSION BARRIER AND TEMPORARY FENCE SHALL BE INSTALLED WITHIN THE TEMPORARY EASEMENT, PROPOSED RIGHT-OF-WAY OR EXISTING RIGHT-OF-WAY.
16. EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED ON ALL AREAS WITH SLOPES OF 1:3 (V:H) OR STEEPER, AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



NOTE:

1. THE WIDTH SHOWN IS THE OUT TO OUT HORIZONTAL DIMENSION OF THE PROPOSED RIPRAP PLACEMENT. THE QUANTITY FOR THE STONE RIPRAP IS CALCULATED USING THE SUM OF THE DITCH BOTTOM WIDTH AND THE SLOPE DIMENSIONS OF THE FORESLOPE AND THE BACKSLOPE.



RIPRAP DETAIL

LEGEND	
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	RIPRAP WITH FILTER FABRIC
	SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET
	SEEDING, CLASS 4A WITH MULCH, METHOD 2

MODEL: Default
 FILE NAME: \\garg\projects\2019\1911082_PFB_193-28_DB - Benton - Vorhies Ph. ILLWork - Overcr. 4_IL_15 over Lime Creek\CADD\CADD_Sheets\087697-act-Eros.dgn
 DATE: 8/17/2022



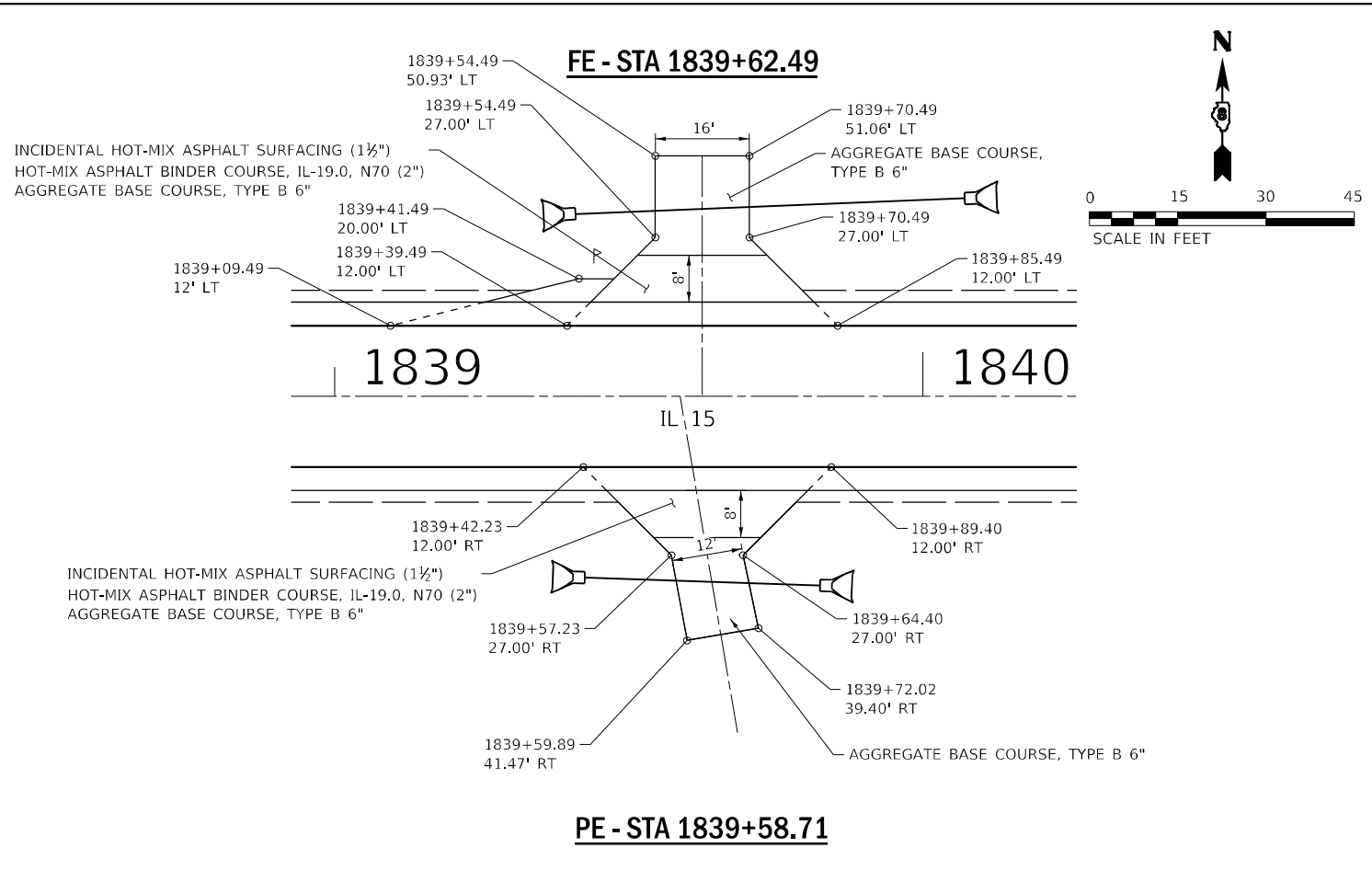
USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/17/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

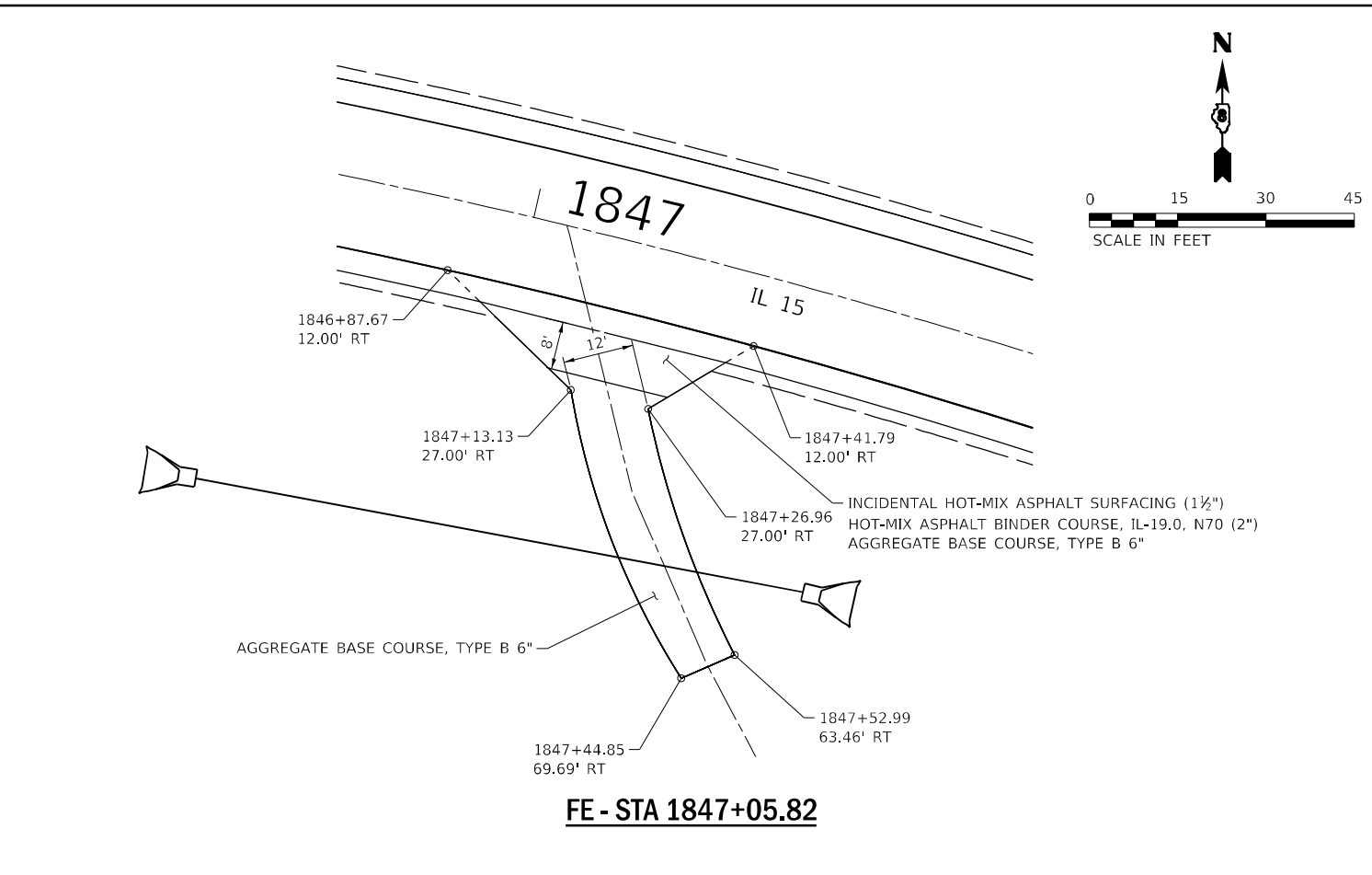
IL 15 EROSION CONTROL	
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS
STA. 1837+50	TO STA. 1852+80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	24
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

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



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



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 30,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1 OF 2 SHEETS	STA.	TO STA.
-------------	--	---------------------	------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	25
				CONTRACT NO. 76J97
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: S:\2022\191181082_PTB_193228_DE - Benton - Various Ph-Entrance Details.dwg

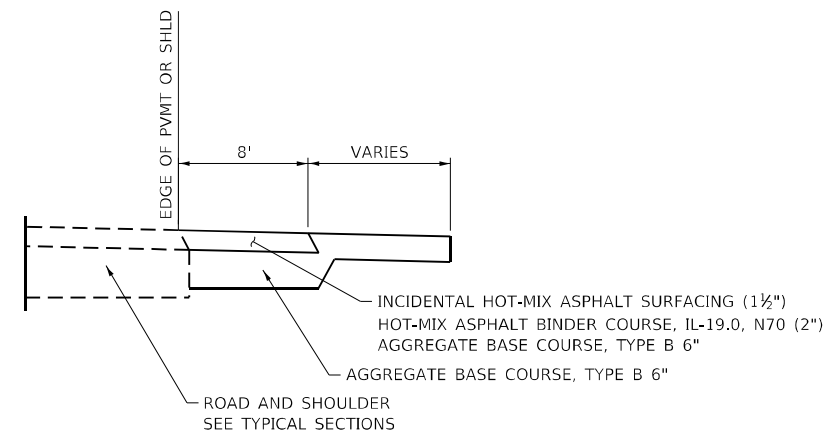
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	CADD FILE NAME		
NOTE BOOK NO.			

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

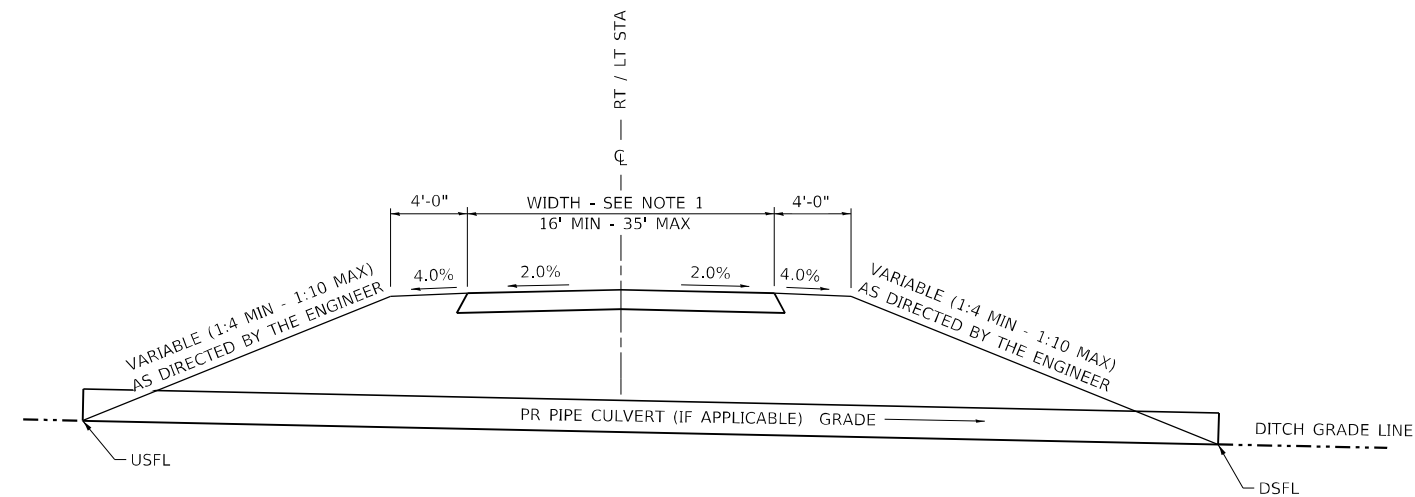
MODEL: Default
 FILE NAME: S:\2022\19119101082.PTB - Benton - Various Ph Edit\Work Order 2.dwg
 15 over Lunte Create\CADD\CADD Sheets\2022\19119101082.dwg

NOTE:

1. THE WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.



TYPICAL ENTRANCE PAVEMENT SECTION



TYPICAL ENTRANCE SECTION



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 30,0000 * / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE -	REVISED -

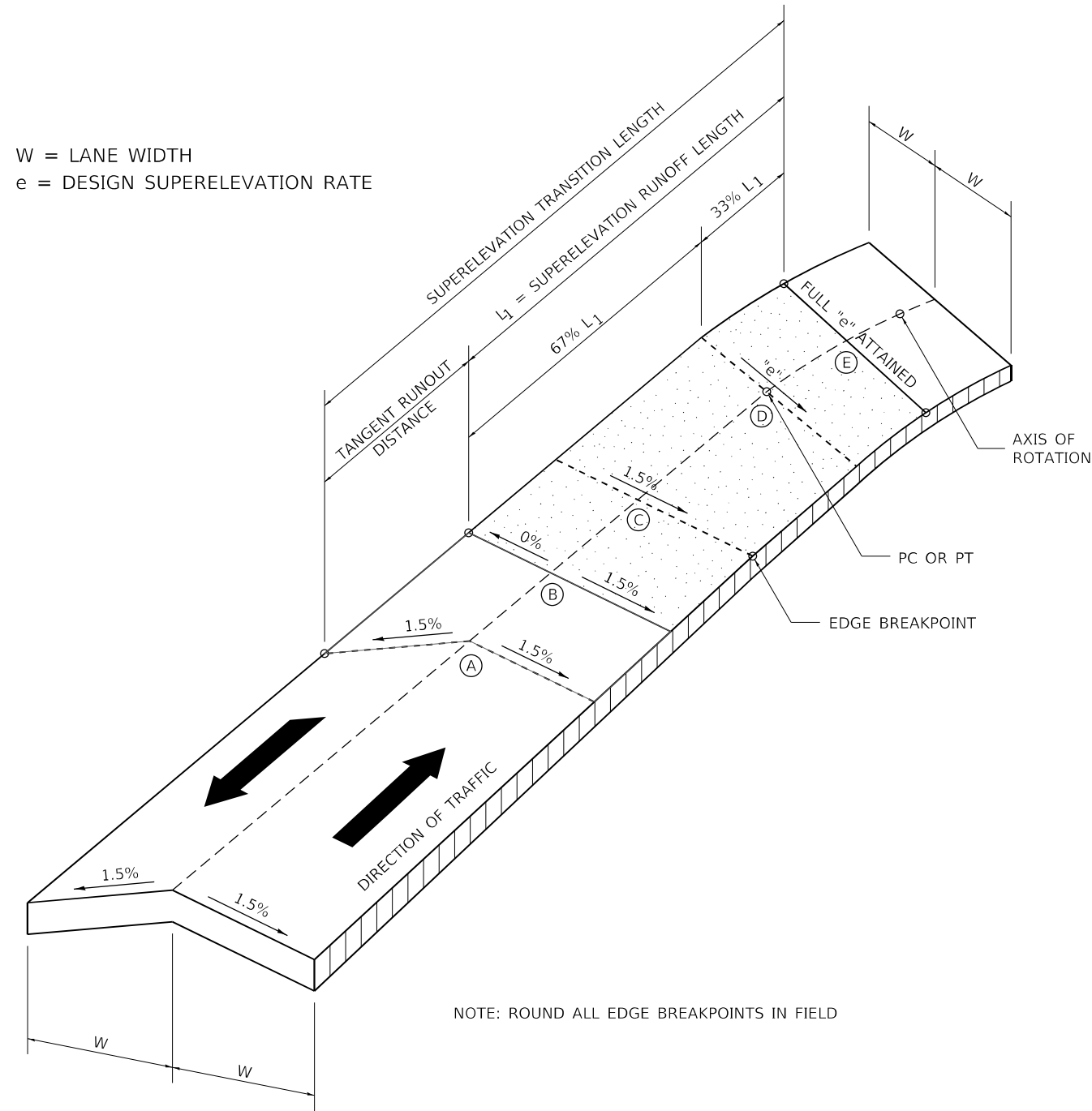
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ENTRANCE DETAILS

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	26
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY



W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE

NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
1847+27.86	5.9%	12.00'	191'	38'	153'

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

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

MODEL: Default
FILE NAME: S:\2019\1911082.PTB - Benton - Various Ph-Edit\Work Order 2.dwg 15 over Lunte Credit\CADD\CADD Sheets\081019\75-5E_Trans.dwg



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUPERELEVATION DETAIL

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	27
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

B.M. 51 - Disk in wingwall marked (WAS-1-22) @ NE IL-15 Bridge over creek. 0.05 miles W of Reagan Rd (non-paved).

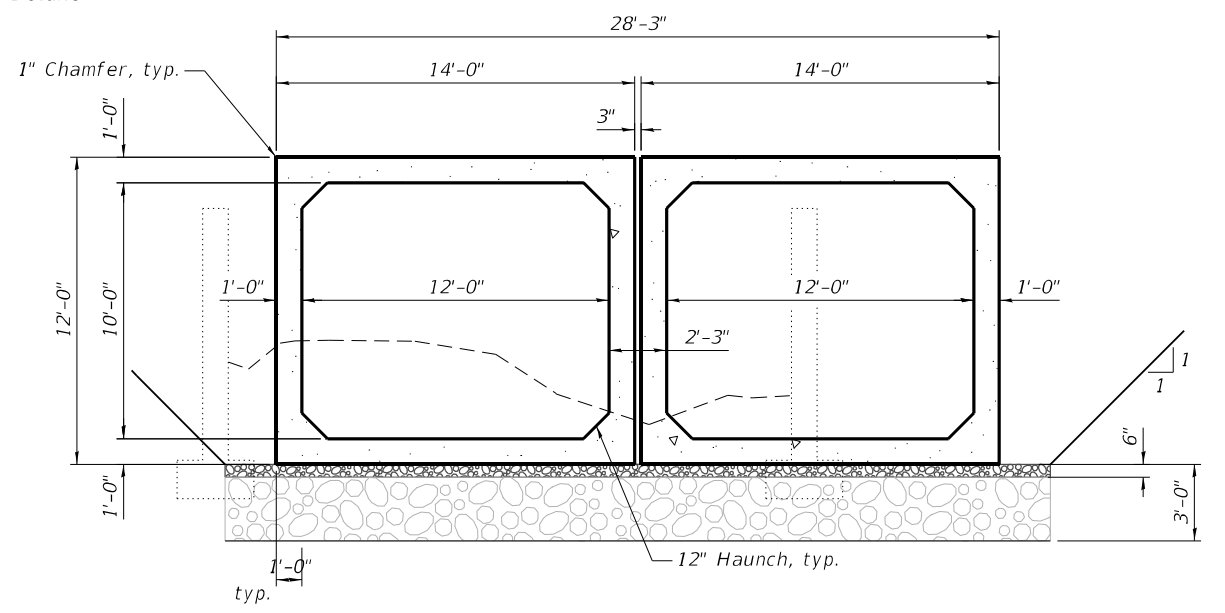
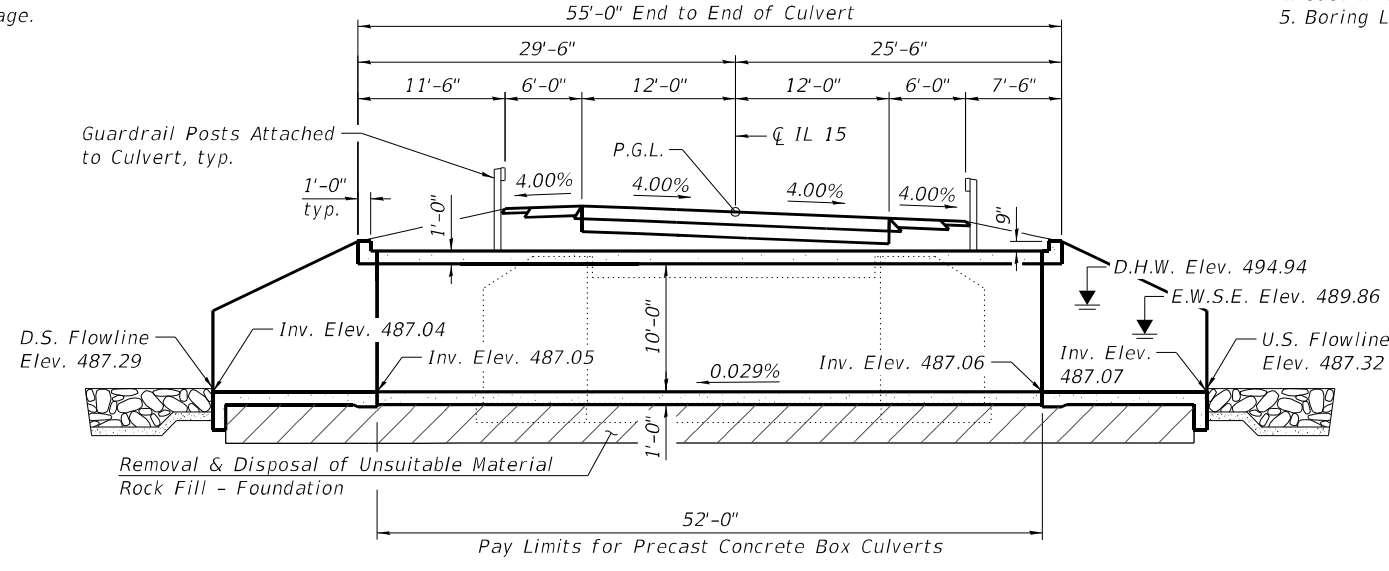
EXISTING STRUCTURE: No. 095-0008 built in 1921 as single span reinforced concrete slab bridge. 24'-0" bk to bk of abutment. 33'-9" out to out width.

Road to be closed during construction and traffic detoured.

No Salvage.

INDEX OF SHEETS

1. General Plan & Elevation
2. General Data
3. Cast-in-Place Apron End Section
4. Cast-in-Place Apron End Section Details
5. Boring Logs



CURVE DATA

P.I. Sta. = 1847+27.86
 $\Delta = 28^\circ 27' 17''$ (RT)
 $D = 4^\circ 40' 12''$
 $R = 1,226.91'$
 $T = 311.08'$
 $L = 609.32'$
 $E = 38.82'$
 P.C. Sta. = 1844+16.79
 P.T. Sta. = 1850+26.10

LOADING HL-93

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

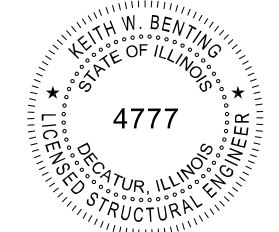
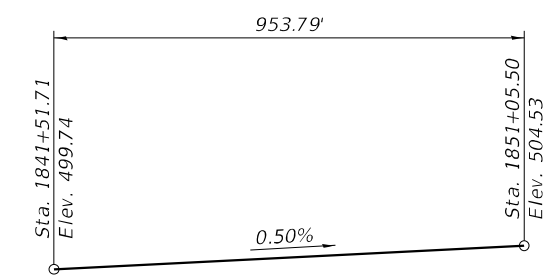
DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

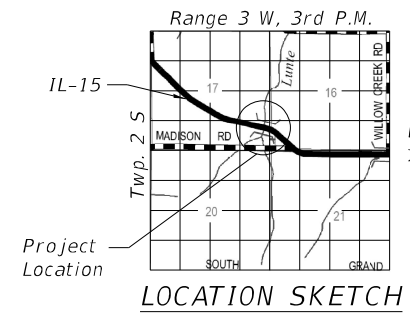
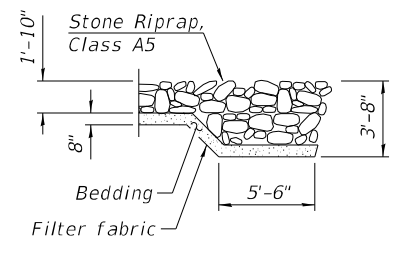
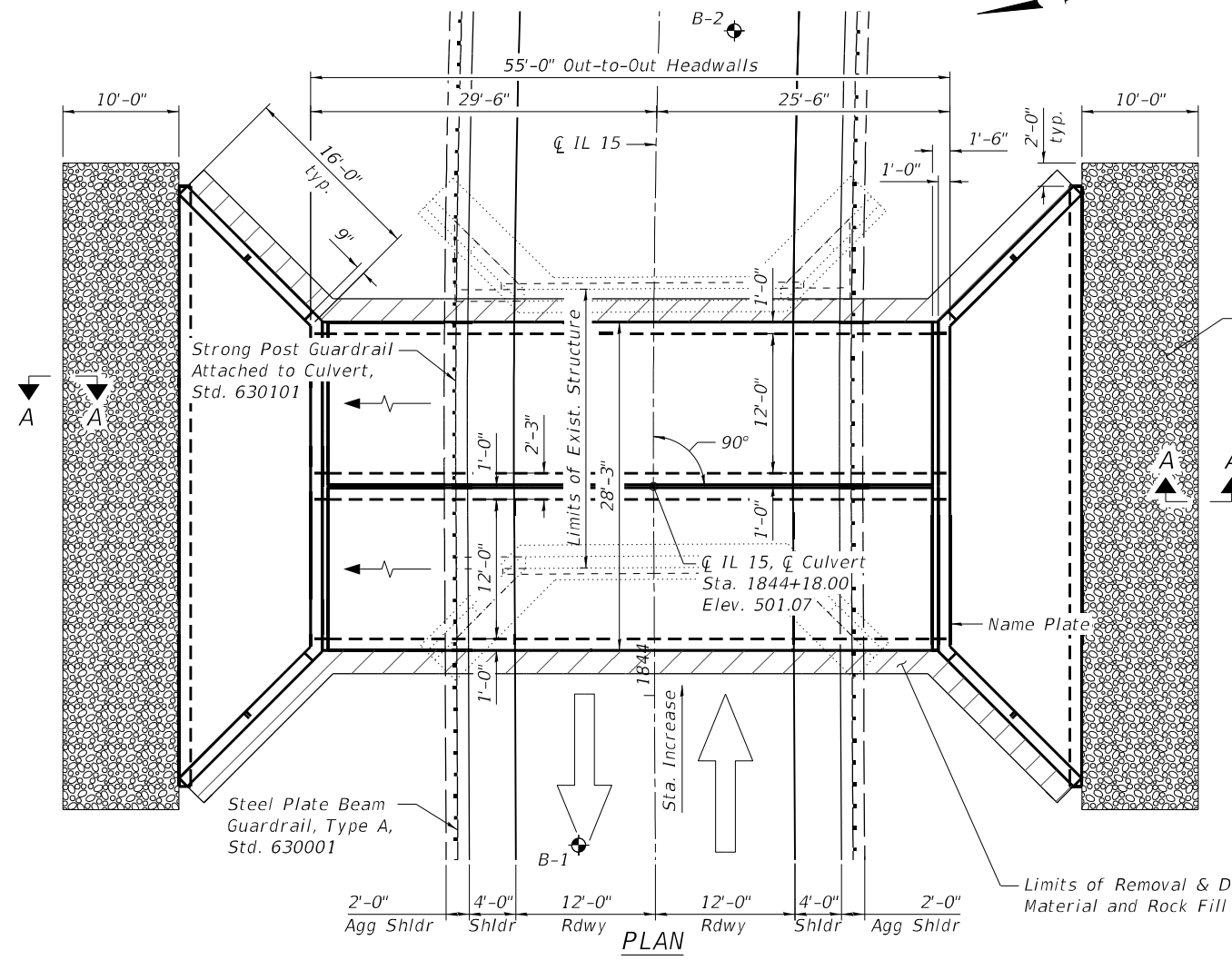
FIELD UNITS
 $f'c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS
 $f'c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Fabric)
 $f_y = 60,000$ psi (Reinforcement)



Keith W. Benting

Keith W. Benting, Illinois S.E. 081-004777 Date Expires 11/30/2022



GENERAL PLAN & ELEVATION
FAP ROUTE 817 (IL-15)
OVER LUNTE CREEK
SECTION 7BR-1
WASHINGTON COUNTY
STA. 1844+18.00
STRUCTURE NO. 095-2011

MODEL: Default FILE NAME: \\Quigg\Projects\2019\1911082_PTB_193-28_D8 - Benton - Various Ph. H/W/Work Order 4_IL_15 over Lunte Creek\CADD\CADD_Sheets\0952011-76197-001-GPE.dgn



USER NAME = rgoertz	DESIGNED - KWB	REVISED -
0952011-76197-001-GPE.dgn	CHECKED - KFO	REVISED -
PLOT SCALE = 15:0.0000" = 1 in.	DRAWN - ZLQ	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 095-2011
 SHEET 1 OF 5 SHEETS

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 28
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	515
Stone Riprap, Class A5	Sq Yd	124
Filter Fabric	Sq Yd	124
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	545
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	347
Reinforcement Bars, Epoxy Coated	Pound	13,250
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	78.1
Precast Concrete Box Culverts 12' x 10'	Foot	104
Geocomposite Wall Drain	Sq Yd	179
Strong Post Guardrail Attached to Culvert	Foot	57
Membrane Waterproofing System for Buried Structures	Sq Yd	178.5
Rock Fill - Foundation	Cu Yd	254

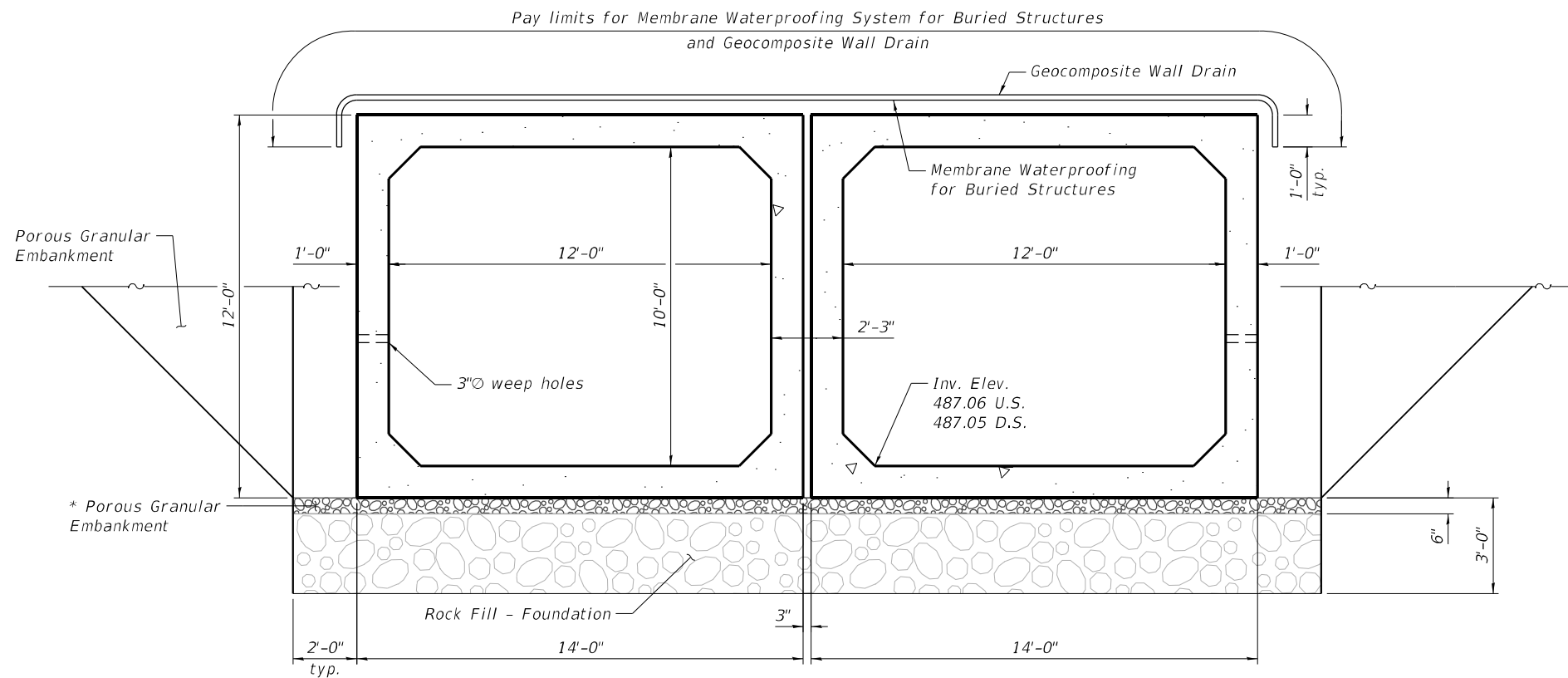
WATERWAY INFORMATION

Drainage Area =		Exist. Overtopping Elev. 497.40 @ Sta. 1843+90 & 1844+55		Prop. Overtopping Elev. 499.53 @ Sta. 1840+73.28					
1.07 Square Miles									
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ² Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
	10	761	123.61	169.20	494.11	1.03	0.47	495.14	494.58
Design	50	1290	141.63	189.12	494.94	2.10	0.91	497.04	495.85
Base	100	1530	147.49	195.60	495.21	3.00	1.16	498.21	496.37
Exist. OVT	62	1392	144.02	N/A	495.05	2.35	N/A	497.40	N/A
Scour Check	200	1787	152.91	201.60	495.46	3.86	1.47	499.32	496.93
Max. Calc.	500	2150		209.28	495.78		1.93		497.71

10 Yr. Outlet Velocity from Exist. Structure = 5.90 ft/s
 10 Yr. Outlet Velocity from Prop. Structure = 4.37 ft/s

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
 The design fill height for this box is 2.29 ft. The precast box culvert sections shall conform to the requirements of ASTM C1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
 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.
 Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.
 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

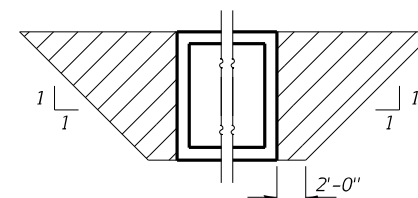


SECTION THRU CULVERT
(Looking North)

* Included in the cost of Precast Concrete Box Culvert

STATION 1844+18.00
 BUILT 202 BY
 STATE OF ILLINOIS
 FAP RT. 817 SEC. 7BR-1
 LOADING HL-93
 STRUCTURE NO. 095-2011

NAME PLATE
 See Std. 515001



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)

MODEL: Default
 FILE NAME: \\Quigg\Projects\2019\1911082_PTB_193-28_D8 - Benton - Various Ph - H\Work Order 4_IL_15 over Lunte_Creek\CADD\CADD Sheets\0952011-76197-002-GenData.dgn



USER NAME = zdavidson	DESIGNED - KWB	REVISED -
0952011-76197-002-GenData.dgn	CHECKED - KFO	REVISED -
PLOT SCALE = 50.0000 "/in.	DRAWN - ZLQ	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

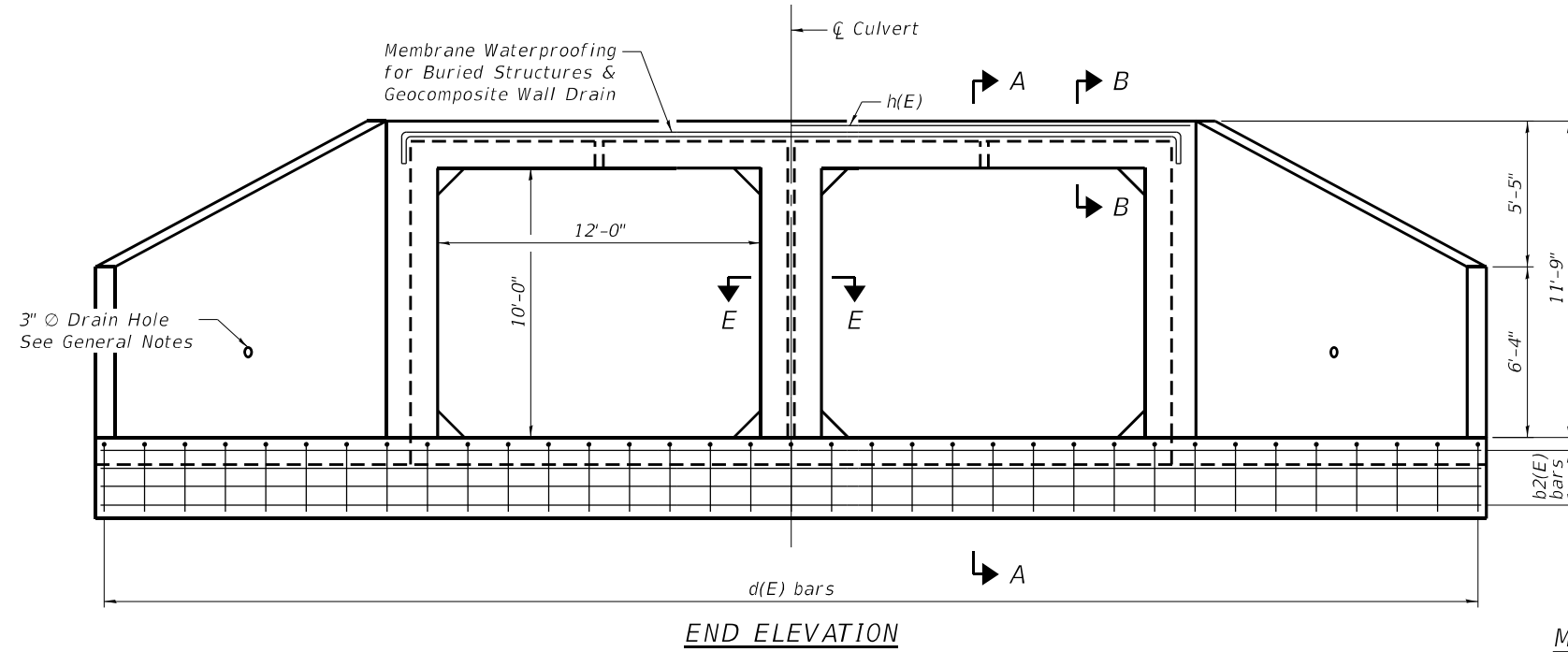
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 095-2011**

SHEET 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	29
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

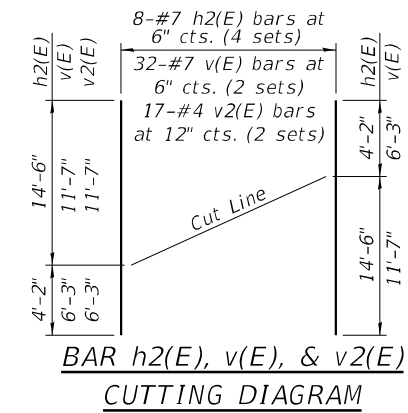
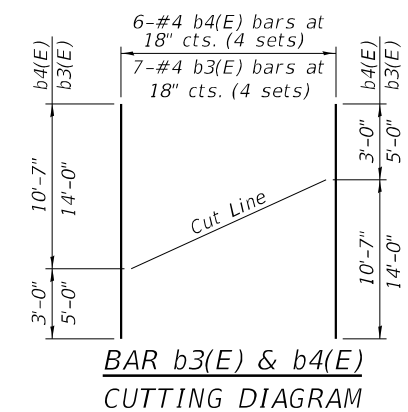
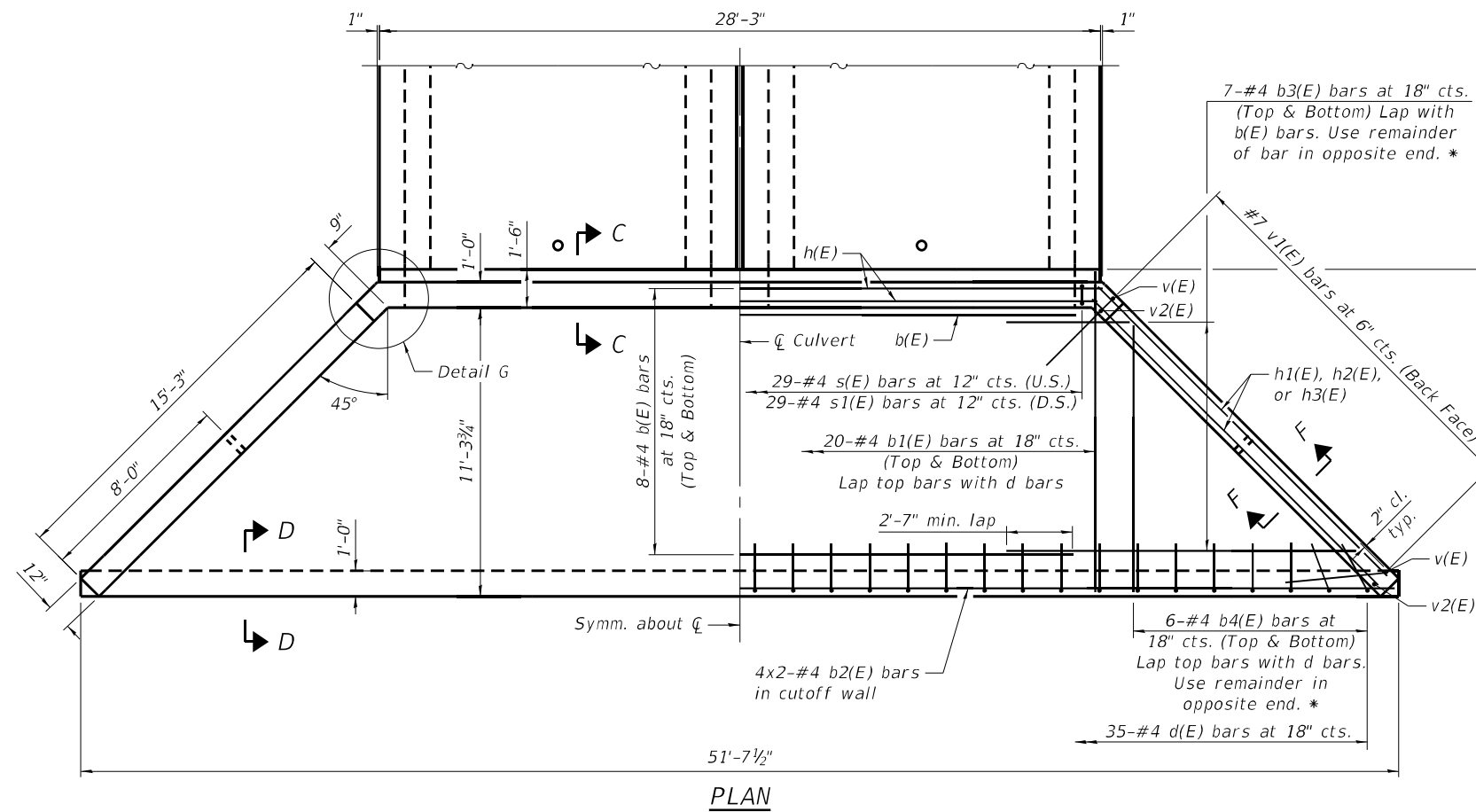
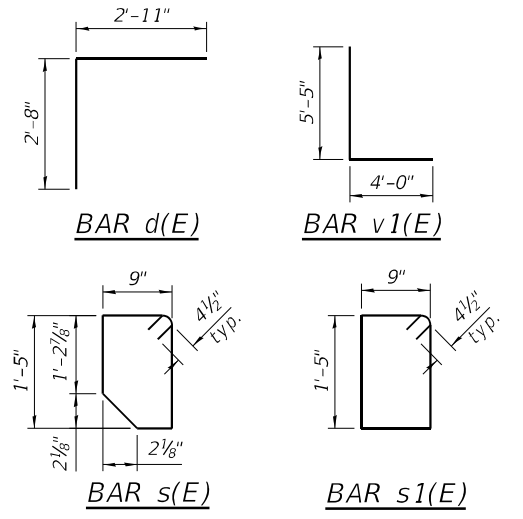
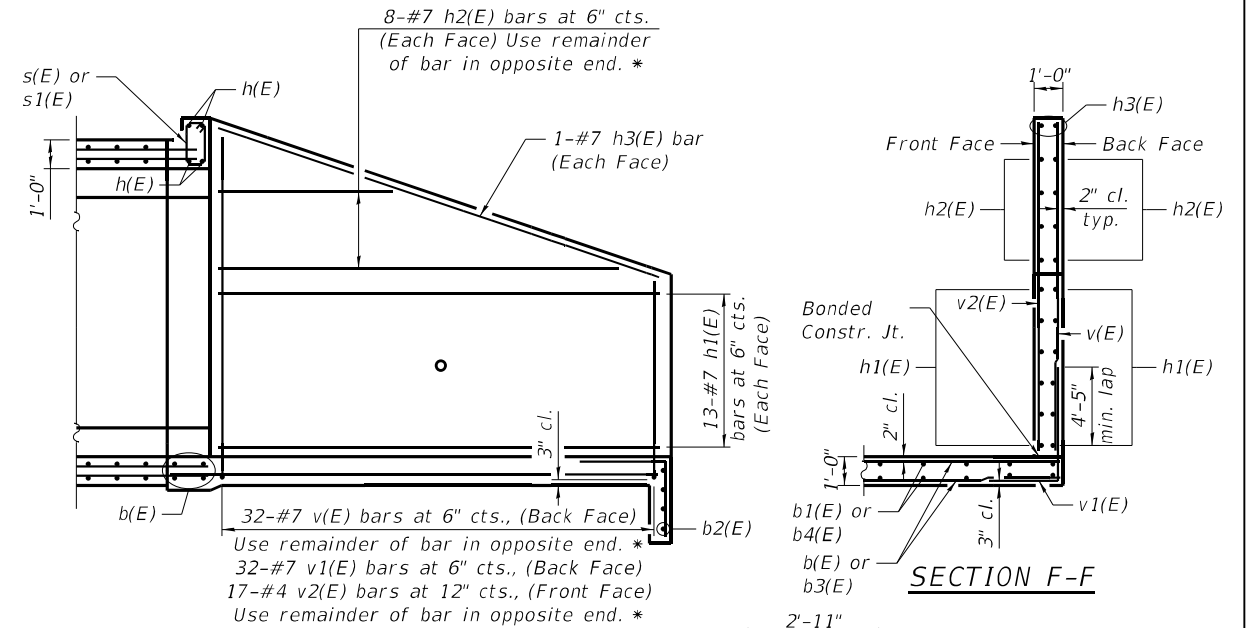
MODEL: Default
 FILE NAME: \\C:\quigg\Projects\2019\1910L082_PTB_193-28_D8 - Benton - Various Ph. H\Work Order 4_IL_15 over Lumt. Creek\CADD\CADD Sheets\0952011-76197-003-MCBTES-1of2.dgn
 8/16/2023 12:29:10 PM



MINIMUM BAR LAP

#4 bar = 2'-7"
 #7 bar = 4'-5"

* See bar cutting diagram



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
b(E)	32	#4	28'-1"	▬	
b1(E)	80	#4	12'-6"	▬	
b2(E)	16	#4	27'-0"	▬	
b3(E)	28	#4	19'-0"	▬	
b4(E)	24	#4	13'-7"	▬	
d(E)	70	#4	5'-7"	└	
h(E)	8	#8	28'-1"	▬	
h1(E)	104	#7	15'-10"	▬	
h2(E)	32	#7	18'-8"	▬	
h3(E)	8	#7	16'-7"	▬	
s(E)	29	#4	5'-0"	□	
s1(E)	29	#4	5'-1"	□	
v(E)	64	#7	17'-10"	▬	
v1(E)	128	#7	9'-5"	└	
v2(E)	34	#4	17'-10"	▬	
Item				Unit	Total
Reinforcement Bars, Epoxy Coated				Pound	13,250
Concrete Box Culverts				Cu. Yd.	78.1



USER NAME = z davidson	DESIGNED - KWB	REVISED -
0952011-76197-003-MCBTES-1of2.dgn	CHECKED - KFO	REVISED -
PLOT SCALE = 0:2.0000 "/in.	DRAWN - ZLQ	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

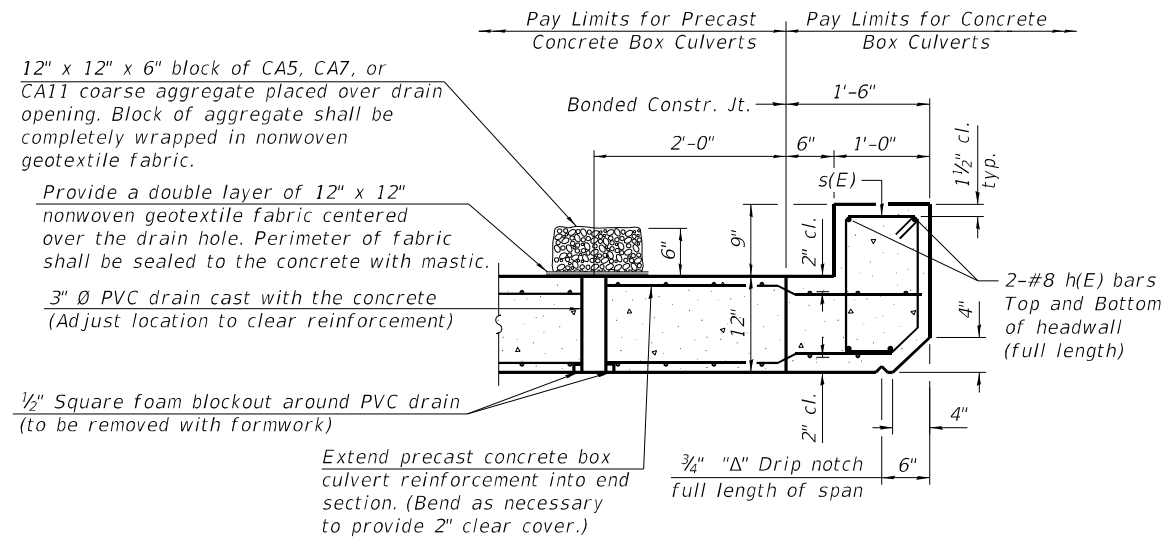
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE APRON END SECTION
 STRUCTURE NO. 095-2011

SHEET 3 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
87	7BR-1	WASHINGTON	41	30
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

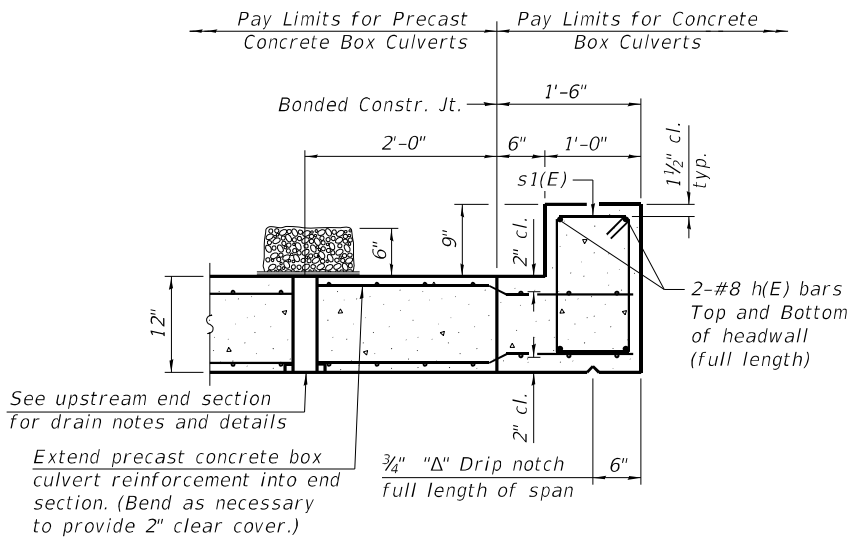
MODEL: Default
 FILE NAME: \\C:\quigg\Projects\2019\191082_PTB_193-28 DB - Benton - Various Ph. H\Work Order 4_IL_15 over Lunte Creek\CADD\CADD Sheets\0952011-76197-004-MCBTES-2of2.dgn
 8/9/2022 1:32:37 PM



SECTION B-B

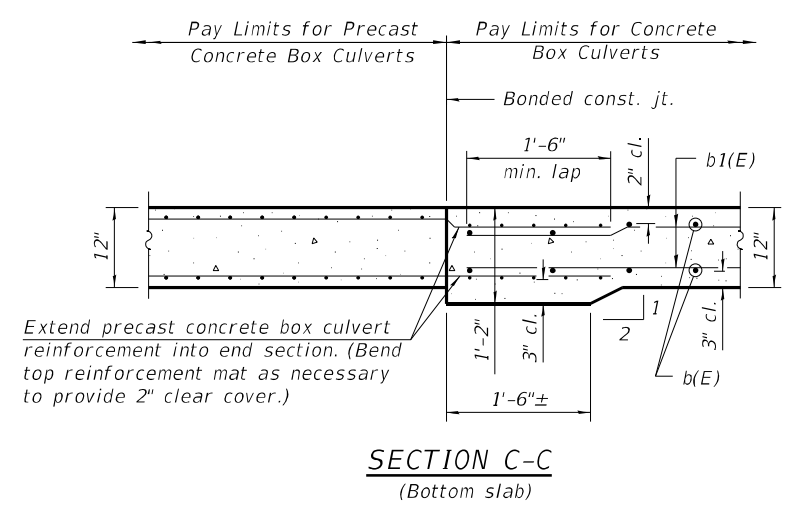
(Top slab at upstream end)

(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.)

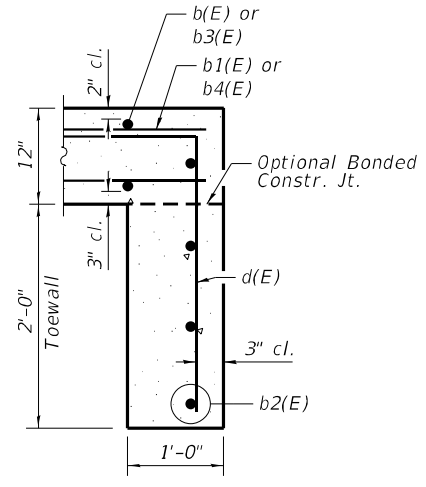


SECTION B-B

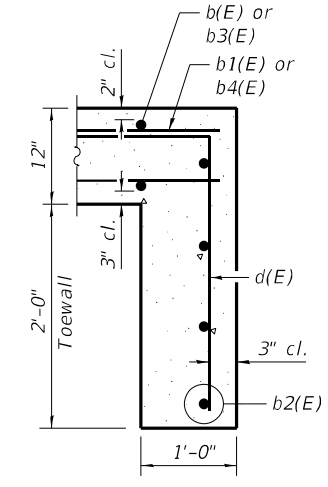
(Top slab at downstream end)



SECTION C-C
(Bottom slab)



SECTION D-D



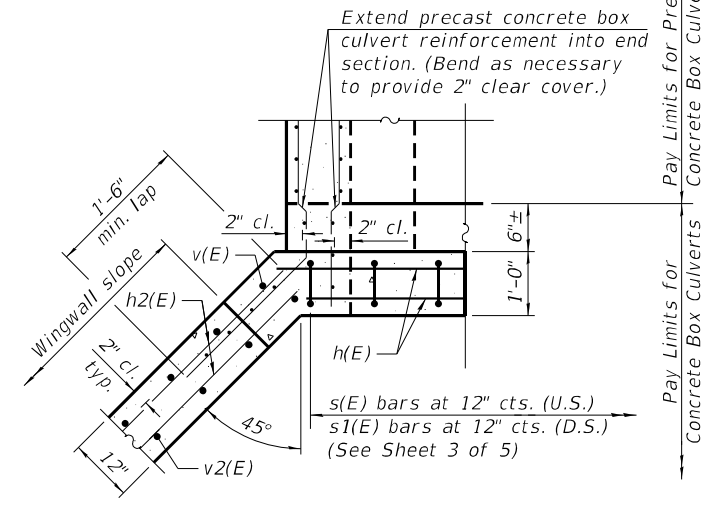
ALT. SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

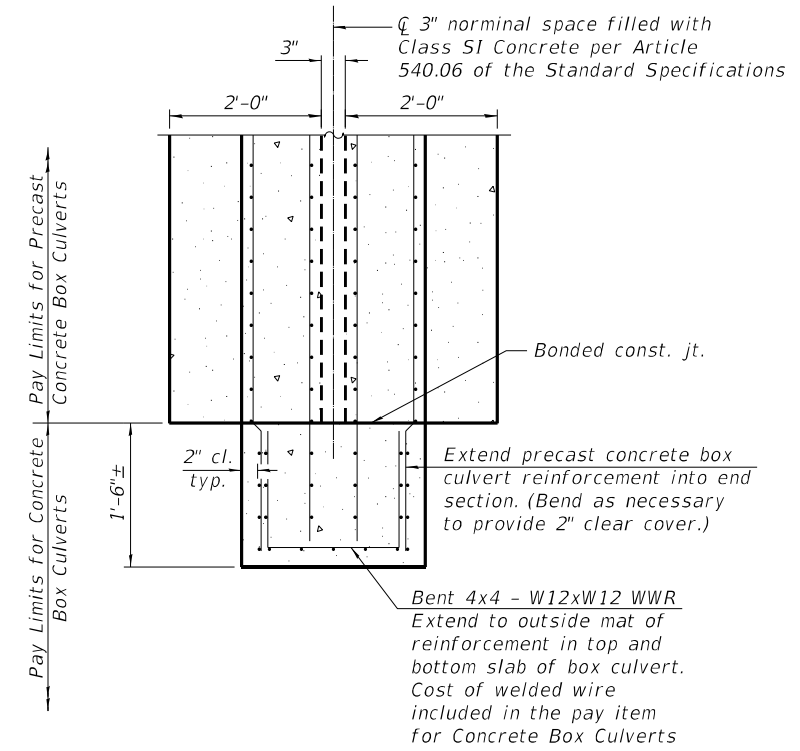
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



DETAIL G



SECTION E-E



USER NAME = rgoertz	DESIGNED - KWB	REVISED -
0952011-76197-004-MCBTES-2of2.dgn	CHECKED - KFO	REVISED -
PLOT SCALE = 0:2.0000 "/> <td>DRAWN - ZLQ</td> <td>REVISED -</td>	DRAWN - ZLQ	REVISED -
PLOT DATE =	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAST-IN-PLACE APRON END SECTION DETAILS
STRUCTURE NO. 095-2011**

SHEET 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	31
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Date 3/22/21

ROUTE FAP 817 DESCRIPTION IL 15 over Lunte Creek 3.6 mi W of IL 127 LOGGED BY KEG

SECTION 7BR-1 LOCATION SEC. 17, TWP. 2S, RNG. 3W, 3rd PM

COUNTY Washington DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	H	B	U	M	
095-0008	1	1843+87.15	6.61' LT	497.31	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)	
		496.31				23										12			
		494.31				8	1.2									39	4.5		
						4	B	18								50/3"	P	12	
						2													
						2	0.4									12			
						2	B	20								50/3"	2.3		
						-5										-25	B	17	
						2													
						2	0.8												
						2	B	27											
						3													
						4	1.5												
						4	P	18											
						1													
						2	0.7												
						3	B	24											
						2													
						4	2.0												
						5	B	19											
						2													
						7	1.3												
						15	B	25											
						5													
						13	3.9												
						17	S	24											

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, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 3/22/21

ROUTE FAP 817 DESCRIPTION IL 15 over Lunte Creek 3.6 mi W of IL 127 LOGGED BY KEG

SECTION 7BR-1 LOCATION SEC. 17, TWP. 2S, RNG. 3W, 3rd PM

COUNTY Washington DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	H	B	U	M	
095-0008	2	1844+57.39	6.48' RT	497.29	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)	
		496.29				11										8			
						5	0.6									18	4.5		
						6	B	13								27	P		
						2										50/5"			
						2	0.8												
						2	B	9											
						-5													
						2													
						1	0.4									50/1"			
						2	B												
						1													
						2	0.3												
						1	B	41											
						0													
						0	0.3												
						1	P	21											
						1													
						2	1.1												
						4	B	24											
						2													
						4	1.5												
						11	B	20											
						4													
						8	4.8												
						13	B	18											

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, form 137 (Rev. 8-99)

MODEL: Default
 FILE NAME: \\Quigg\Projects\2019\1911082_PTB_193-28_D8 - Benton - Various Ph. H\Work_Order_4_IL_15_over_Lunte_Creek\CADD_Sheets\0952011-76197-005-Boring.dgn



USER NAME = rgoertz	DESIGNED - KWB	REVISED -
0952011-76197-005-Boring.dgn	CHECKED - KFO	REVISED -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS
 STRUCTURE NO. 095-2011
 SHEET 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
817	7BR-1	WASHINGTON	41	32
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: S:\2019\1811082_PTB_18328_DB - Benton - Various Ph. ILLwork Order_4 IL 15 over Iunte Credit\CADD\CADD_Sheets\DB\973_X_Sections.dgn



USER NAME = rgoertz
 PLOT SCALE = 20,0000 * / in.
 PLOT DATE = 8/9/2022

DESIGNED - RG
 DRAWN - RG
 CHECKED - JA
 DATE - 08/10/2022

REVISED -
 REVISED -
 REVISED -
 REVISED -

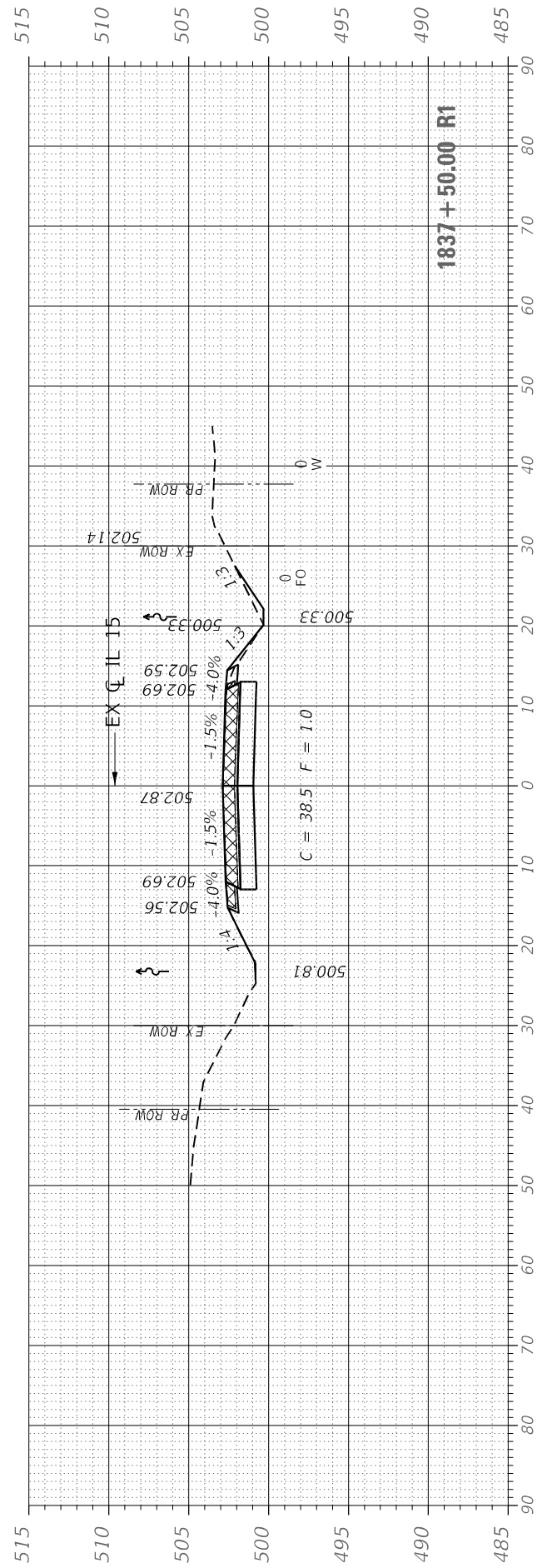
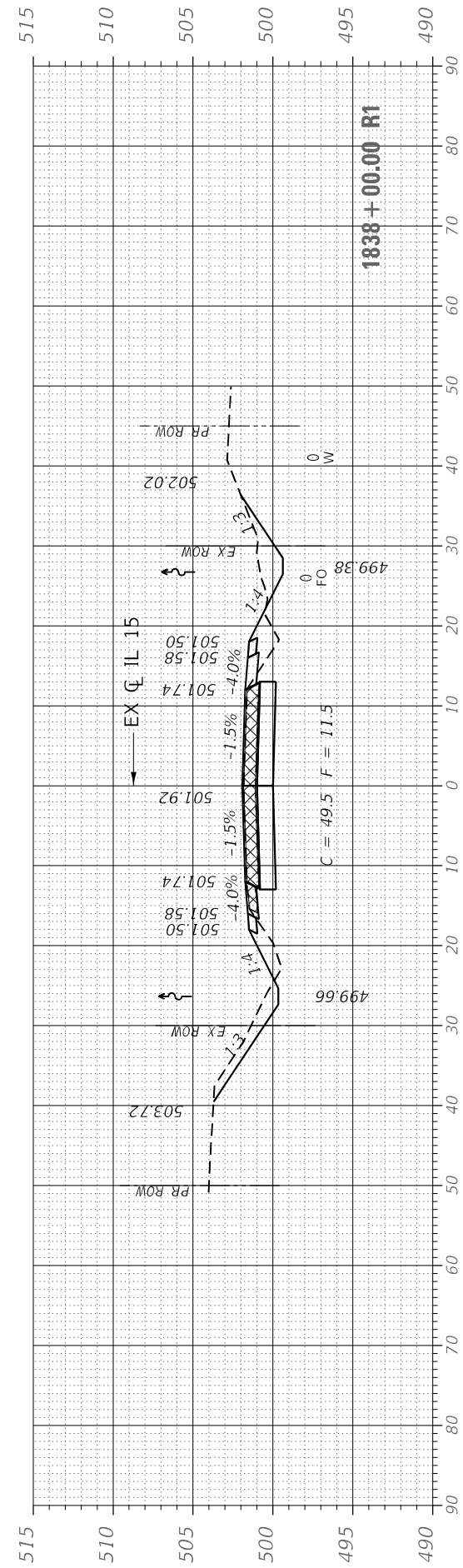
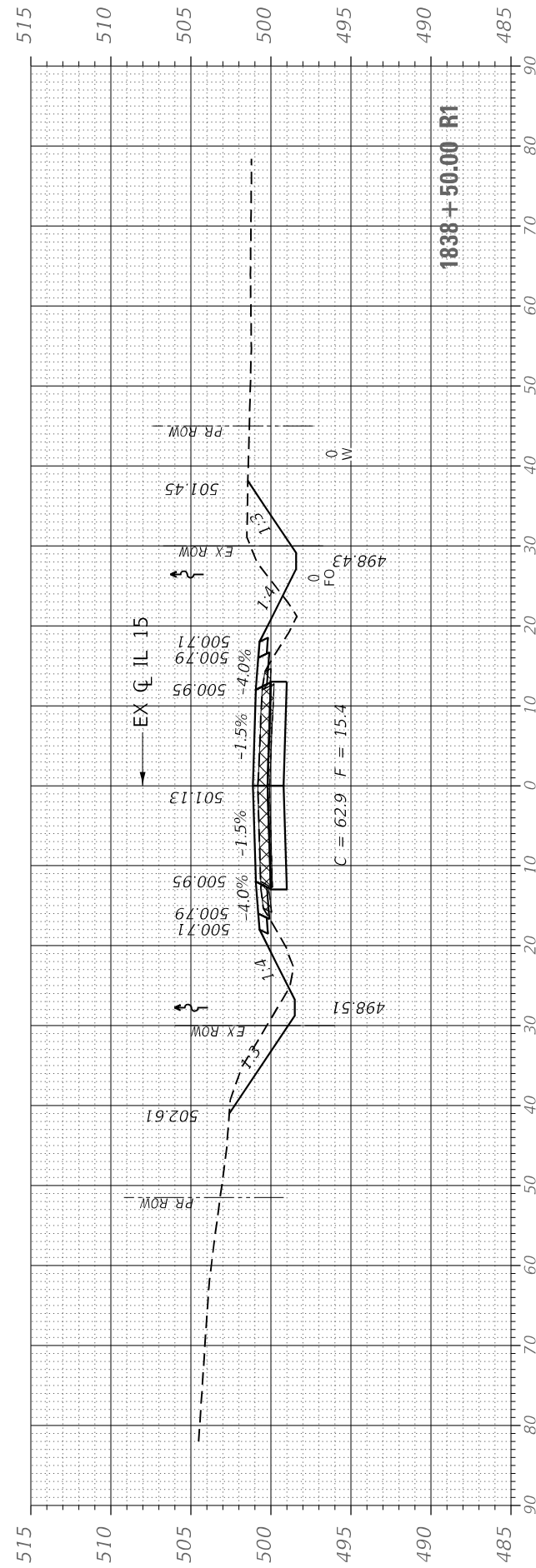
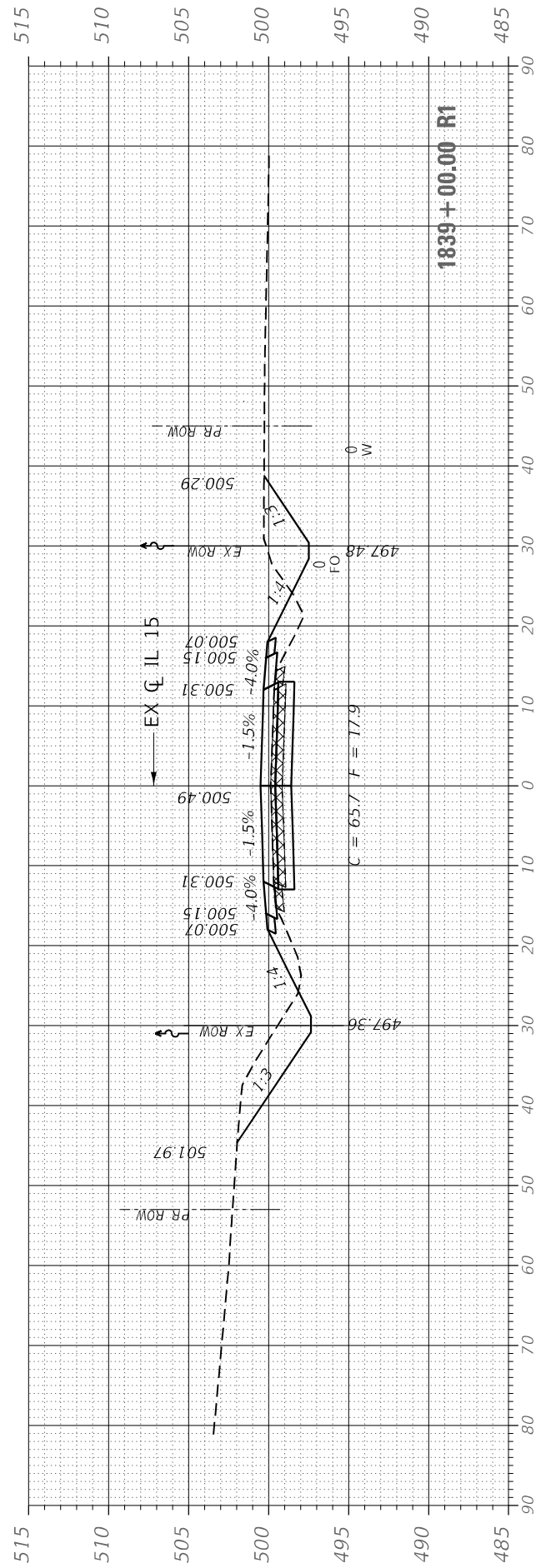
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15
 CROSS SECTIONS

SCALE: 10 H 5 V SHEET 1 OF 9 SHEETS STA. 1837+50.00 TO STA. 1839+00.00

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 33
CONTRACT NO. 76197			ILLINOIS FED. AID PROJECT	

LEGEND
 - - - - - PAVEMENT BREAKING
 X X X X X PAVEMENT AND SHOULDER REMOVAL



MODEL: Default
 FILE NAME: S:\2019\1811082_PTB_18328_DB - Benton - Various Ph. Utility Work Order - IL IL 15 over Iunte Credit\CADD\CADD_Sheets\DB\973-X_Sections.dgn



USER NAME = rgoertz
 PLOT SCALE = 20,0000 * / in.
 PLOT DATE = 8/9/2022

DESIGNED - RG
 DRAWN - RG
 CHECKED - JA
 DATE - 08/10/2022

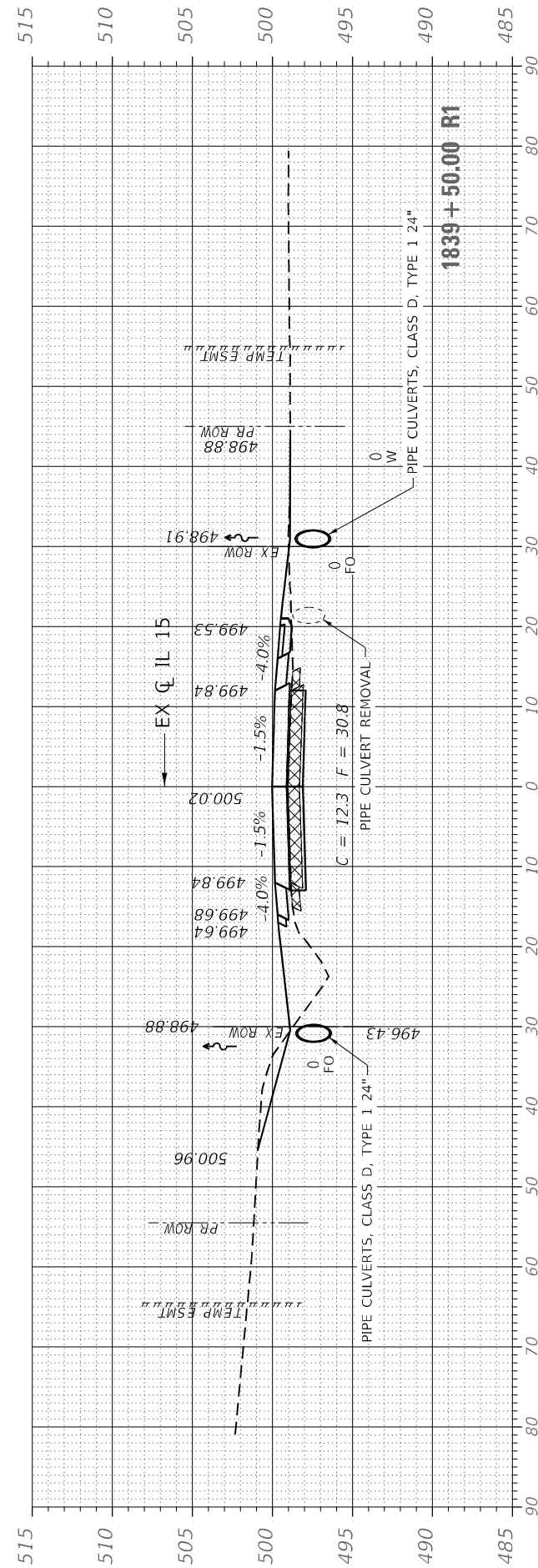
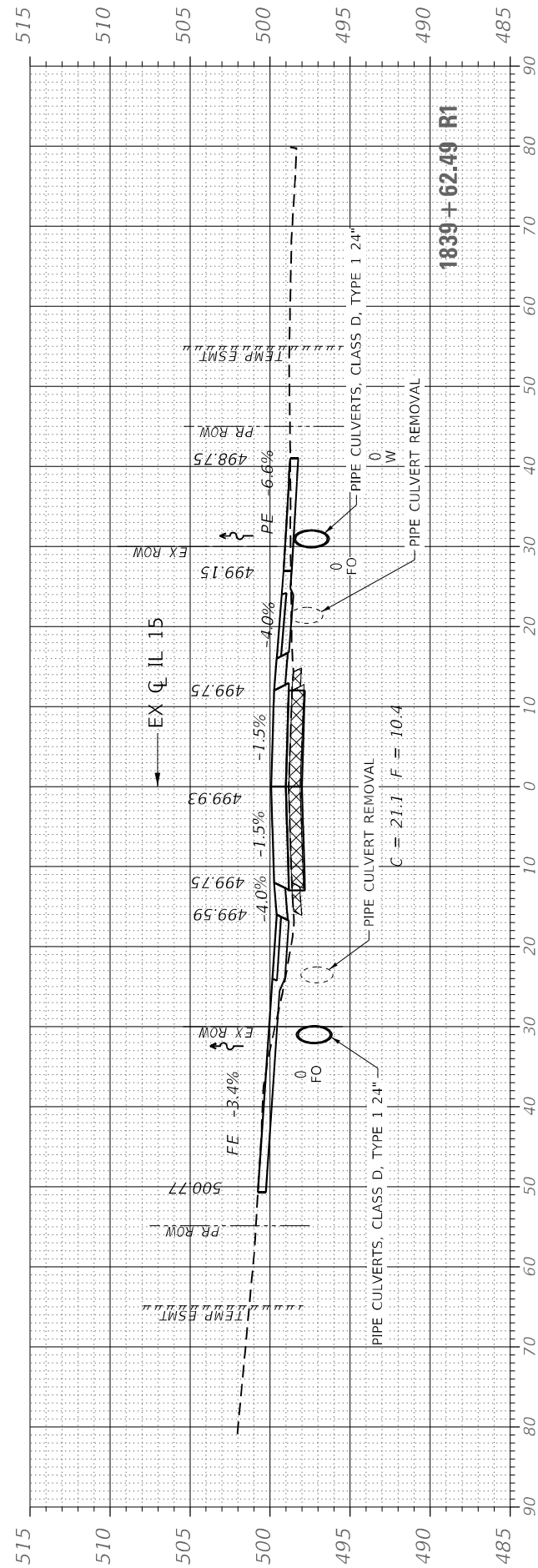
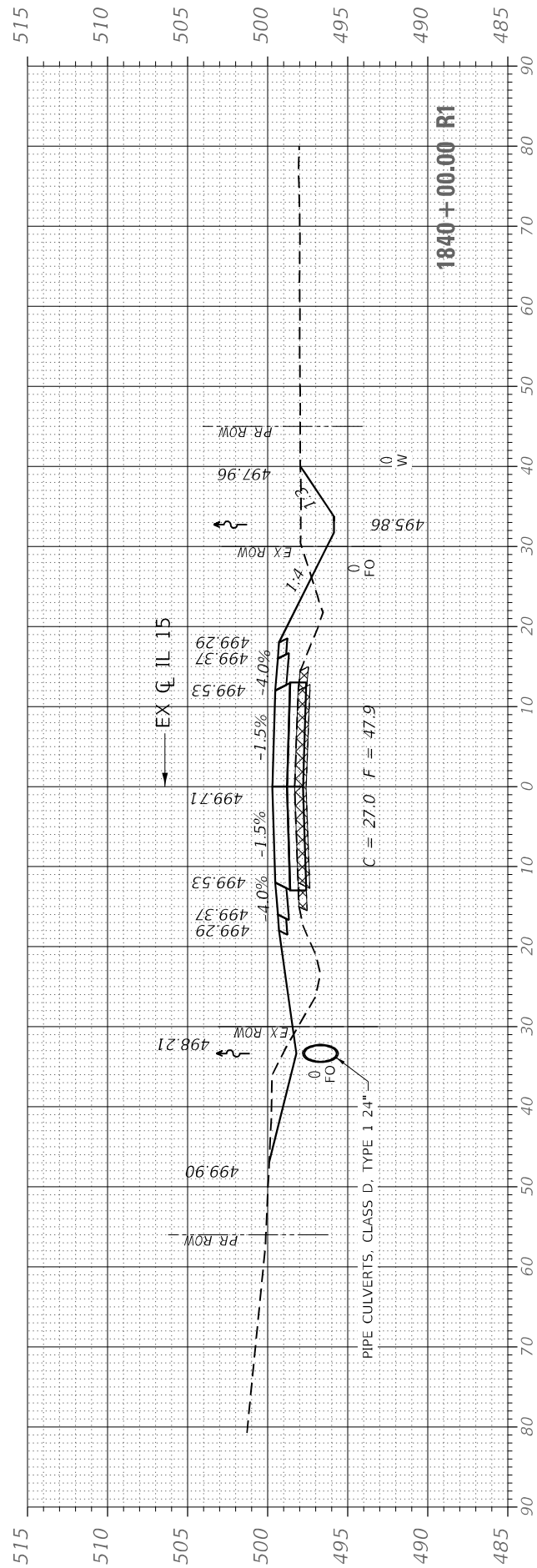
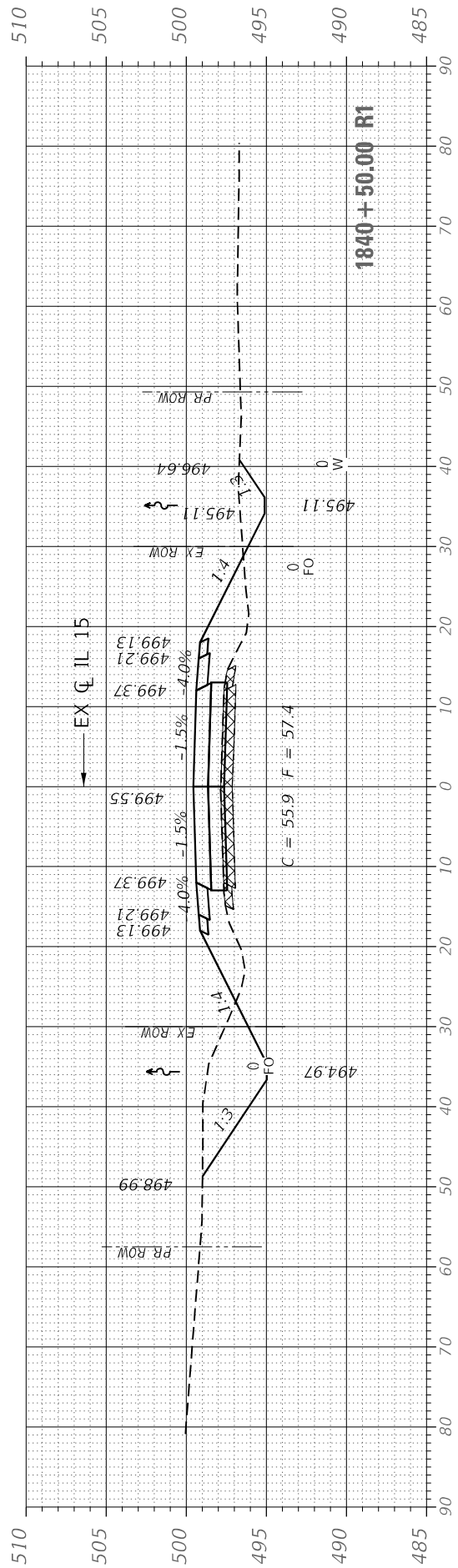
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15
 CROSS SECTIONS

SCALE: 10 H 5 V SHEET 2 OF 9 SHEETS STA. 1839+50.00 TO STA. 1840+50.00

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 34
CONTRACT NO. 76197				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: S:\2019\1811082_PTB_18328_DB - Benton - Various Ph. ILLINOIS DEPT OF TRANSPORT - Order_4 IL 15 over Iune Credit\CADD\CADD_Sheets\1811082_PTB_18328_DB\973-X_Sections.dgn



USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

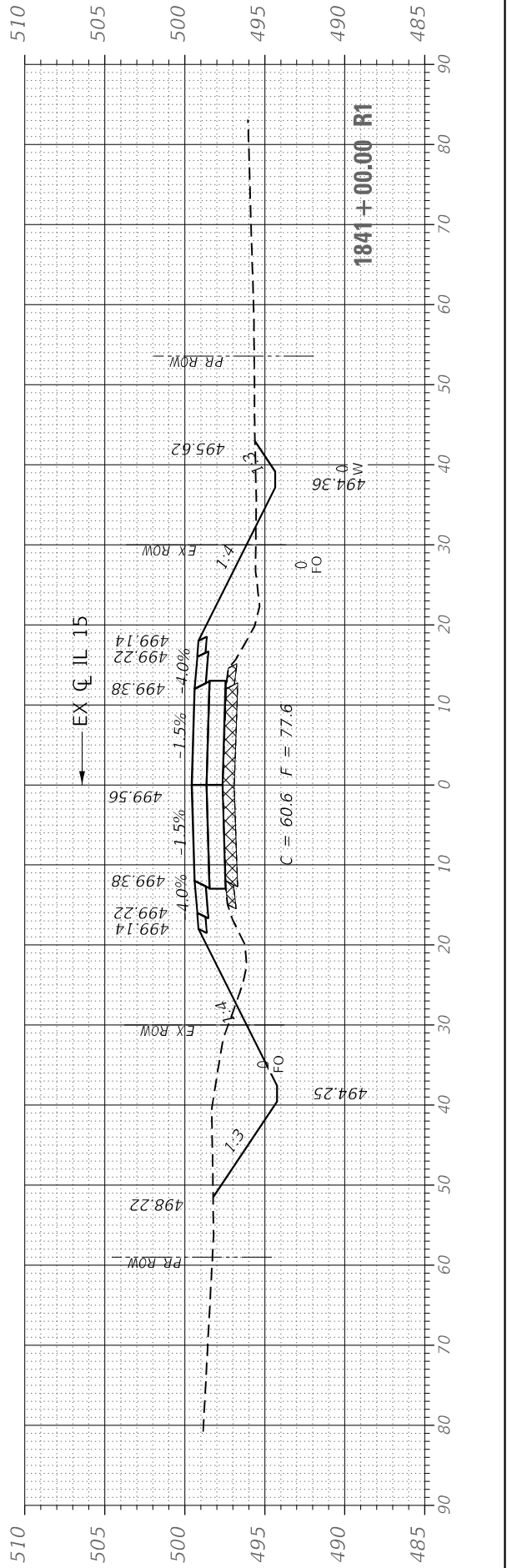
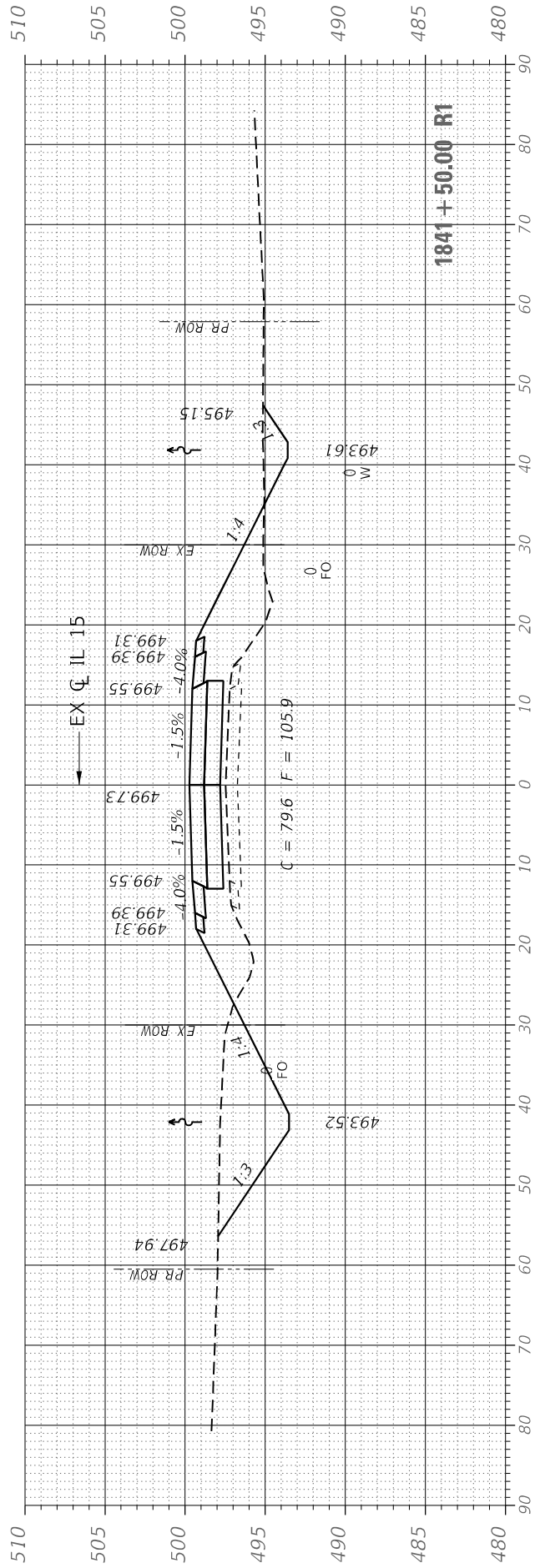
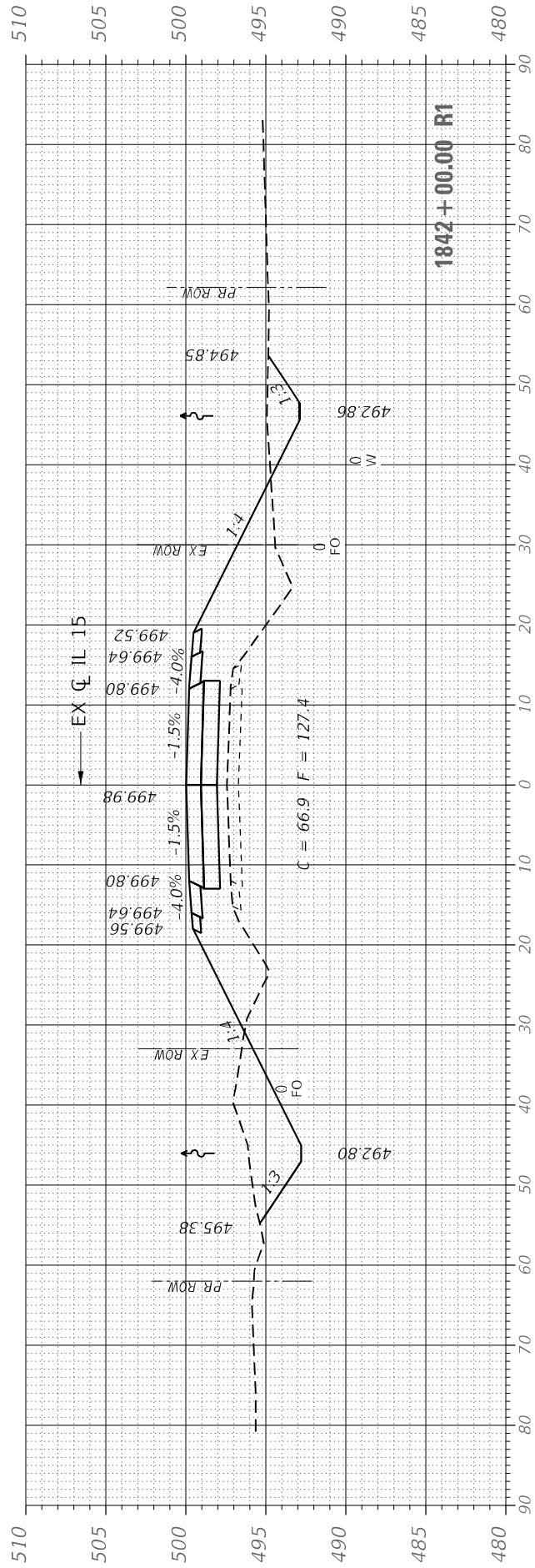
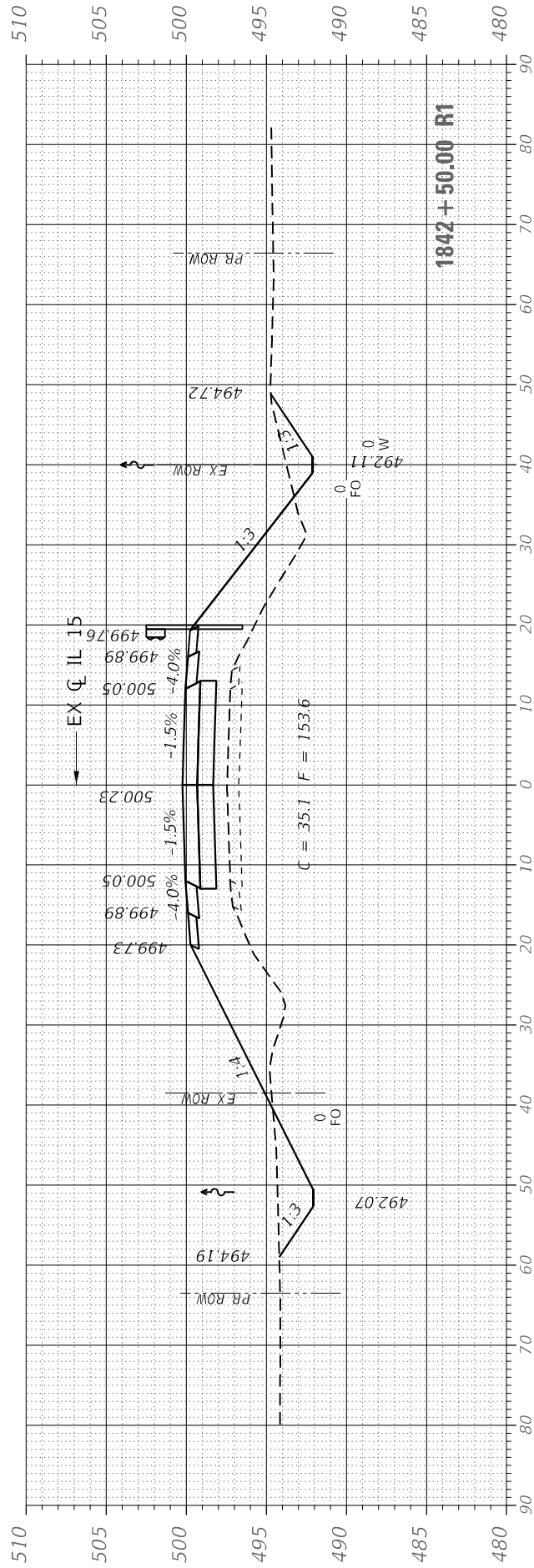
DESIGNED - RG	REVISED -
DRAWN - RG	REVISED -
CHECKED - JA	REVISED -
DATE - 08/10/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 15
 CROSS SECTIONS**

SCALE: 10 H 5 V SHEET 3 OF 9 SHEETS STA. 1841+00.00 TO STA. 1842+50.00

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY ILLINOIS	TOTAL SHEETS 41	SHEET NO. 35
			CONTRACT NO. 76J97	
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: S:\2019\181082_PTB_1843+00_IL_15.dwg
 USER: Lunte
 CREDIT: CADD
 SHEETS: DB\973-X-Sections.dgn



USER NAME = rgoertz
 DESIGNED - RG
 DRAWN - RG
 PLOT SCALE = 20,0000 * / in.
 CHECKED - JA
 DATE - 8/9/2022

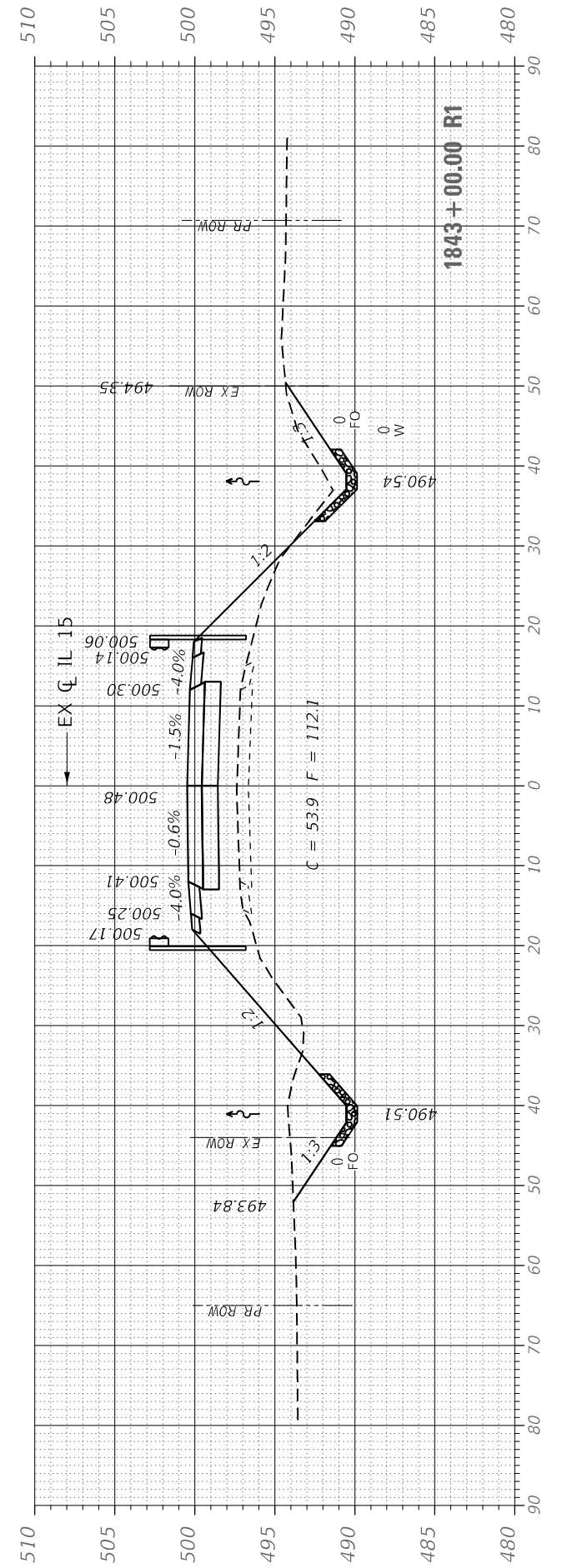
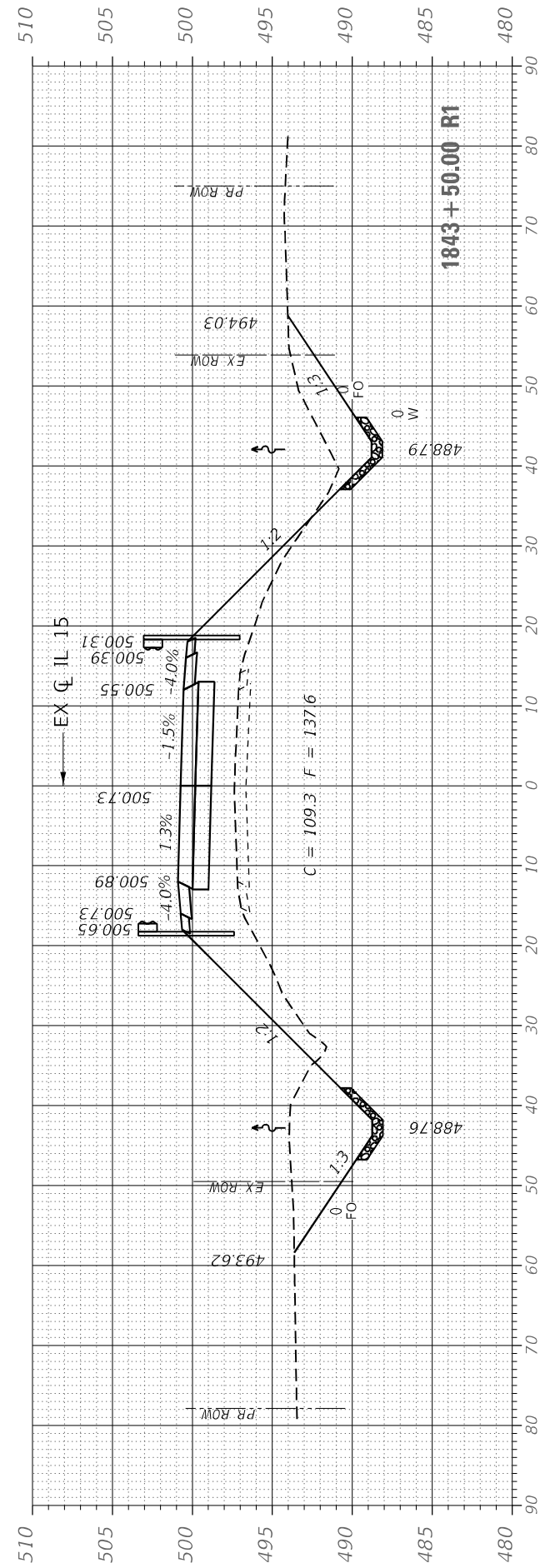
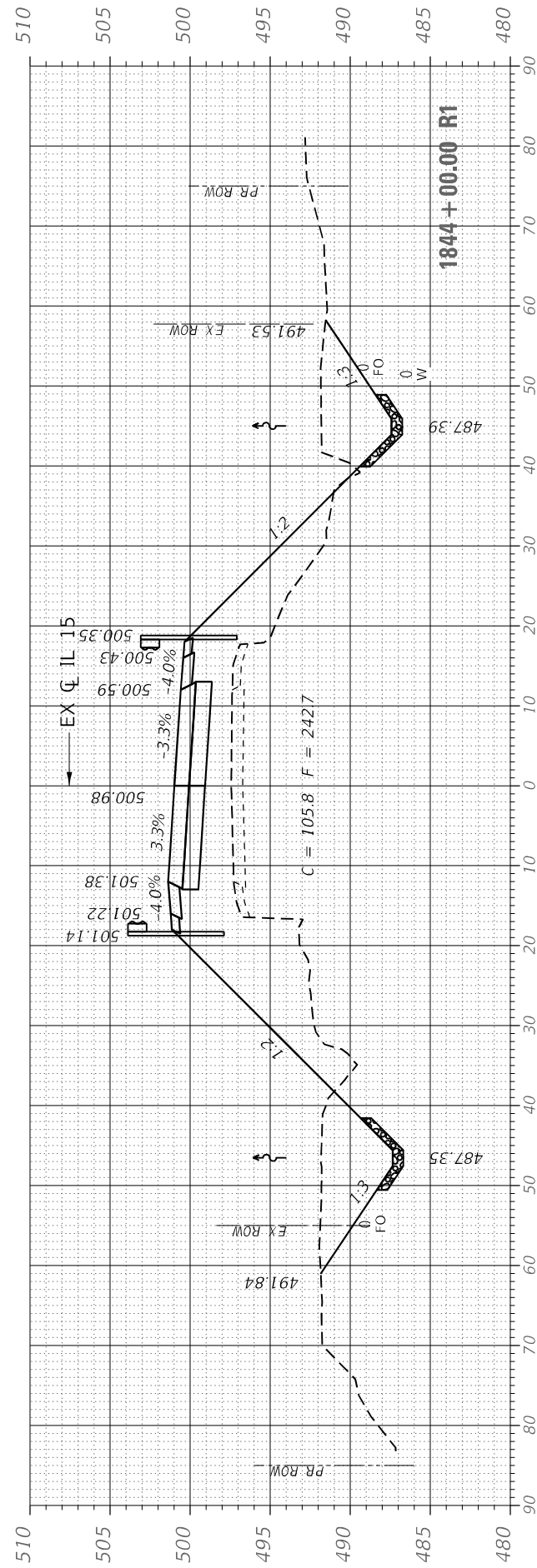
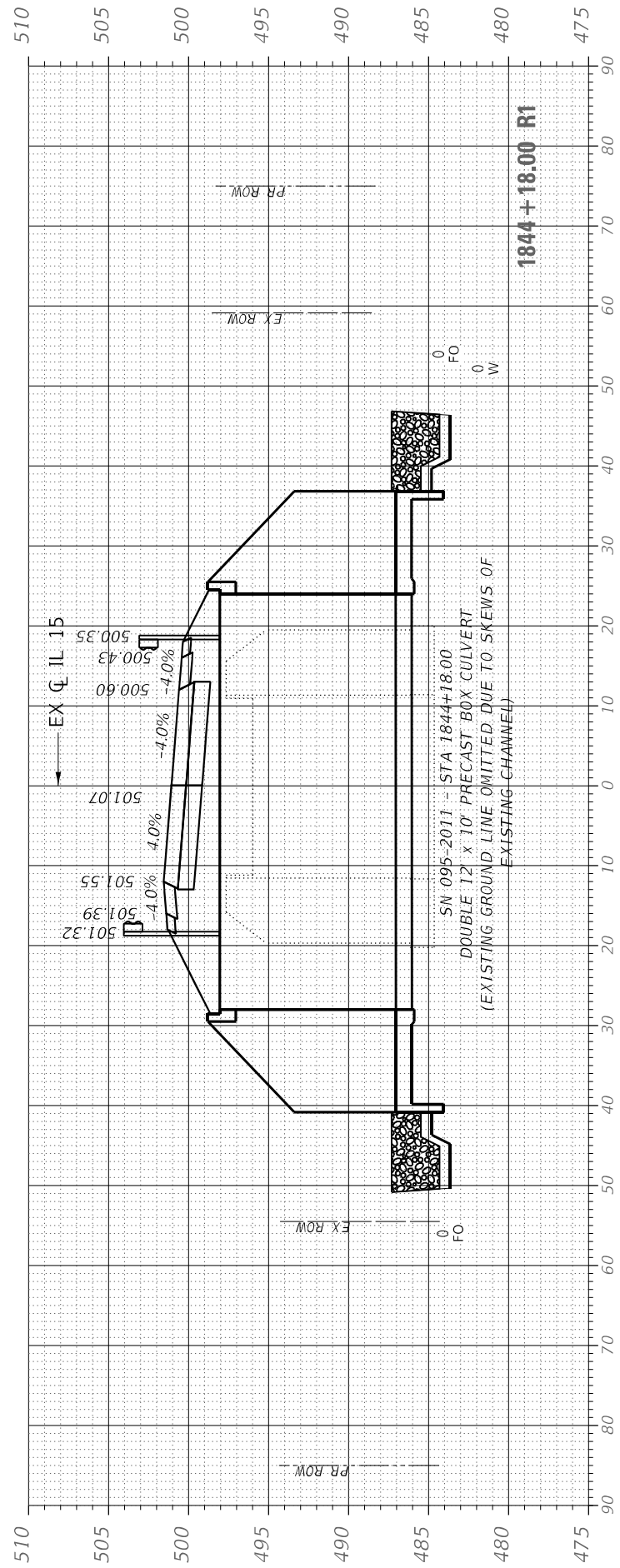
REVISOR -
 REVISION -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15
 CROSS SECTIONS

SCALE: 10 H 5 V SHEET 4 OF 9 SHEETS STA. 1843+00.00 TO STA. 1844+18.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1817	7BR-1	WASHINGTON	41	36
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: S:\2019\1811082_PTB_1845+50.00_IL 15 over Iune Credit\CADD\CADD_Sheets\845+50.00_IL15_Section.dgn



USER NAME = rgoertz
 PLOT SCALE = 20,0000 * / in.
 PLOT DATE = 8/9/2022

DESIGNED - RG
 DRAWN - RG
 CHECKED - JA
 DATE - 08/10/2022

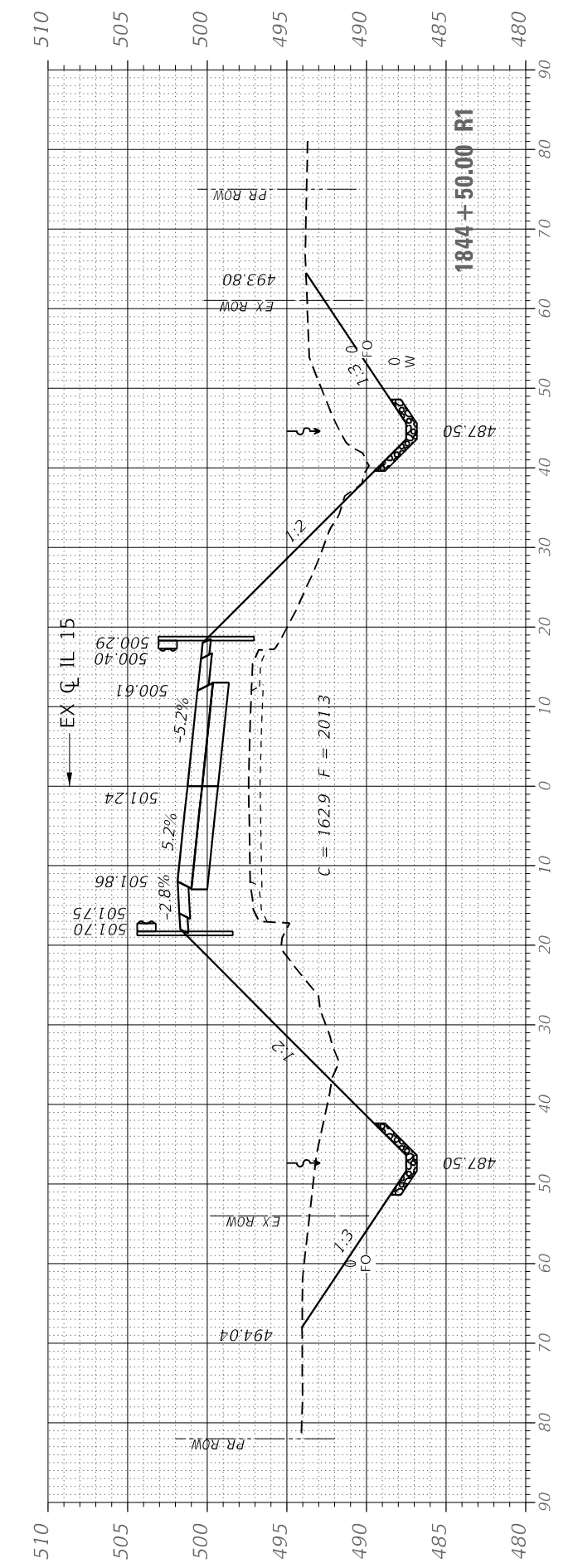
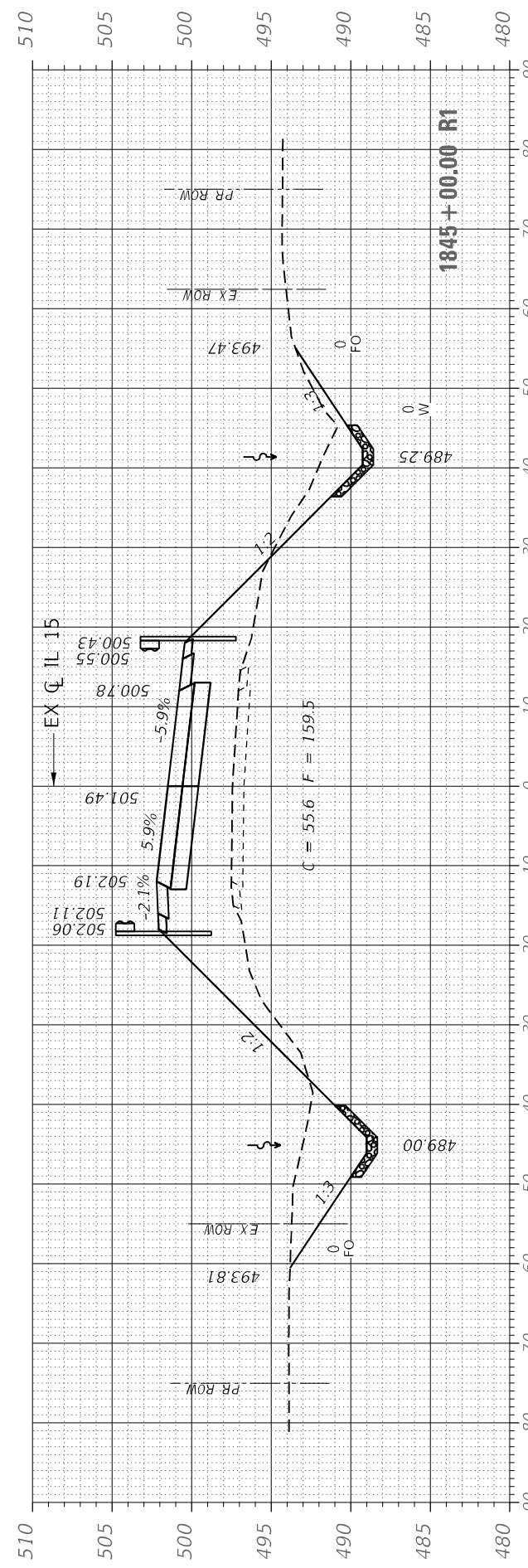
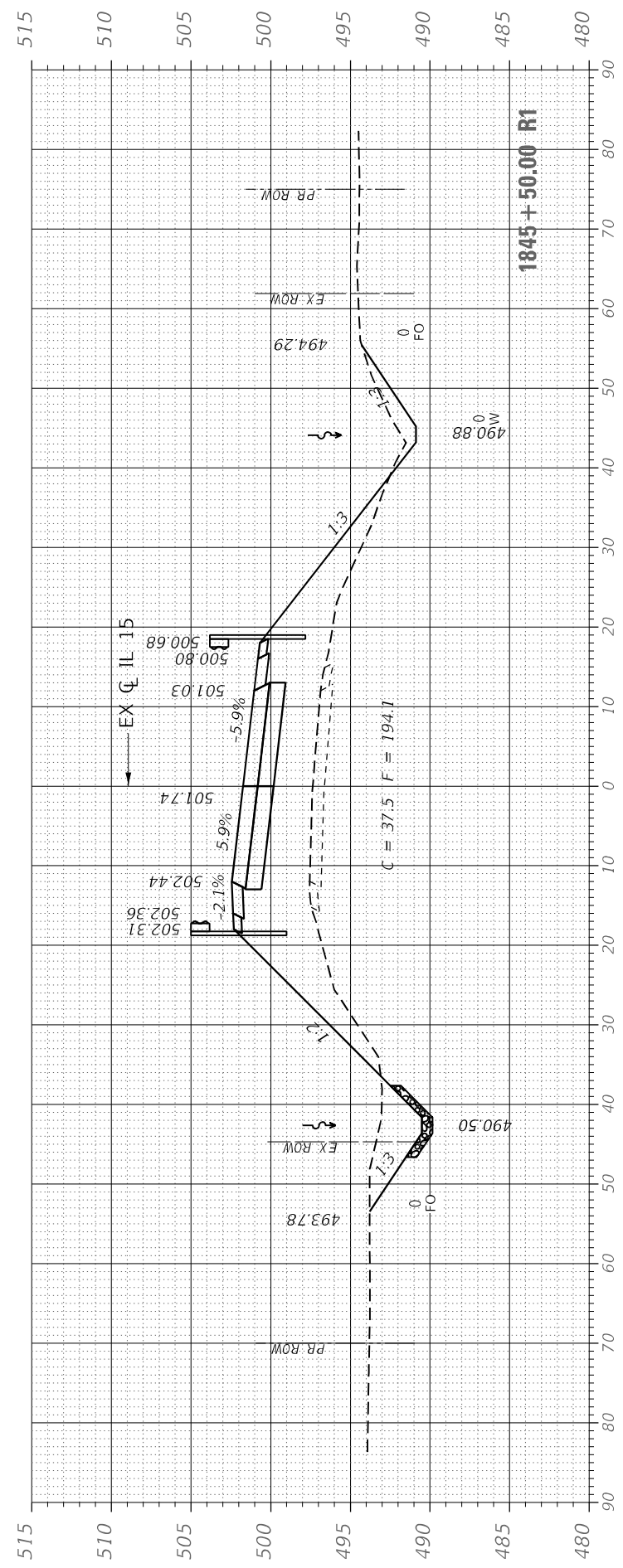
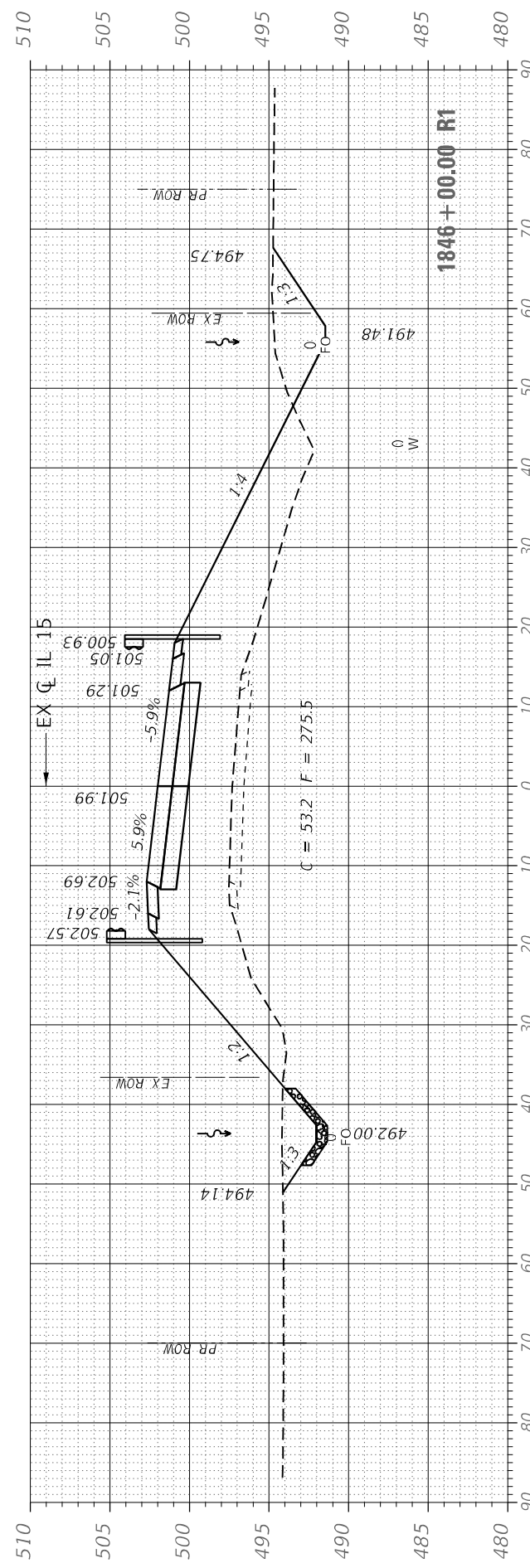
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15
 CROSS SECTIONS
 SCALE: 10 H 5 V SHEET 5 OF 9 SHEETS STA. 1844+50.00 TO STA. 1846+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1817	7BR-1	WASHINGTON	41	37
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

LEGEND
 - - - - - PAVEMENT BREAKING
 X X X X X PAVEMENT AND SHOULDER REMOVAL



MODEL: Default
 FILE NAME: S:\2019\1811082_PTB_18328_DB - Benton - Various Ph.IL15\Work Order_IL 15 over Iune Credit\CADD\CADD_Sheets\DWG\18328_X_Sections.dgn



QUIGG ENGINEERING INC

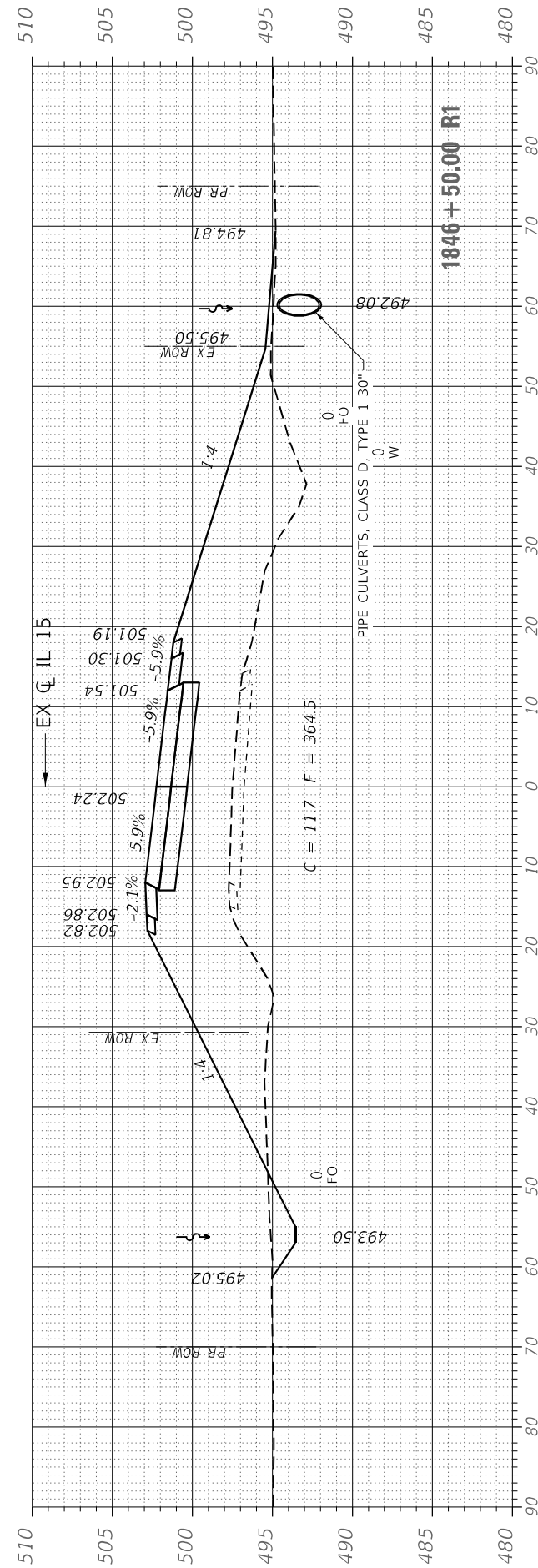
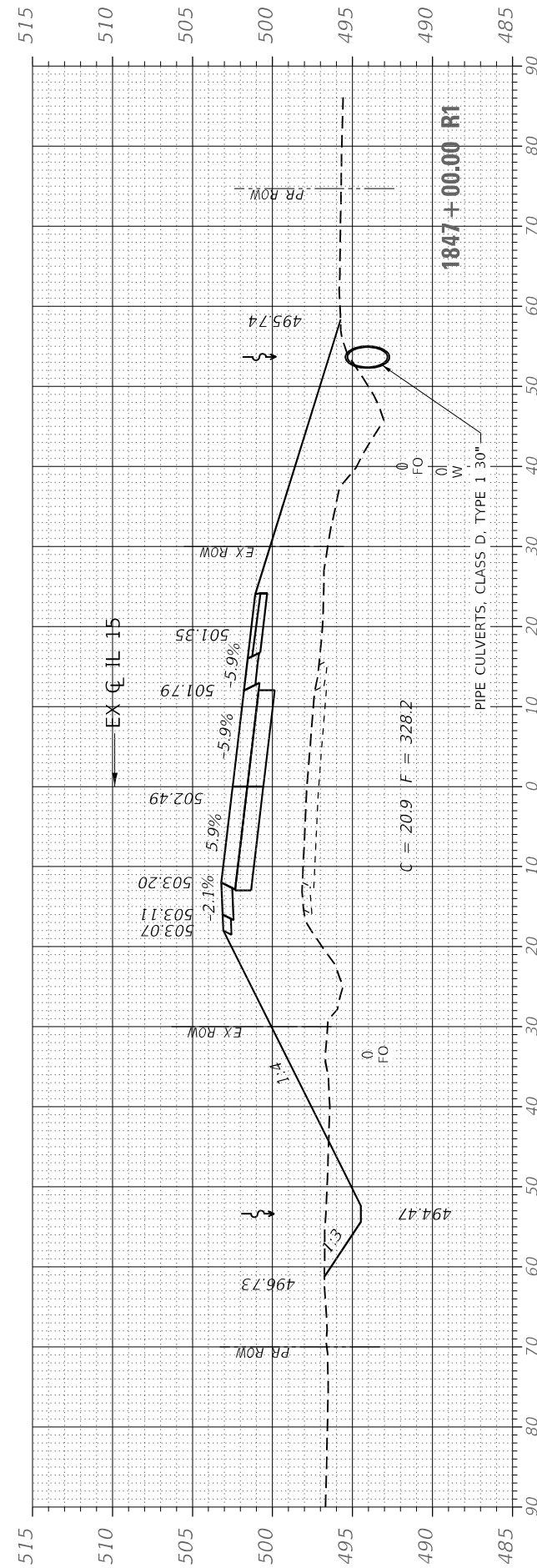
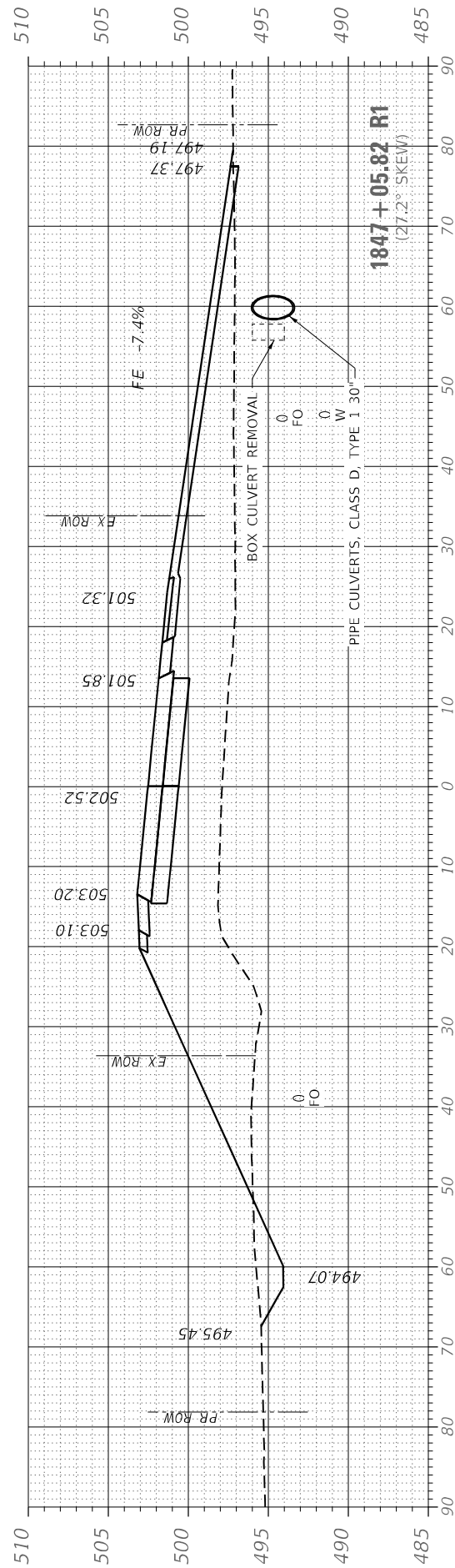
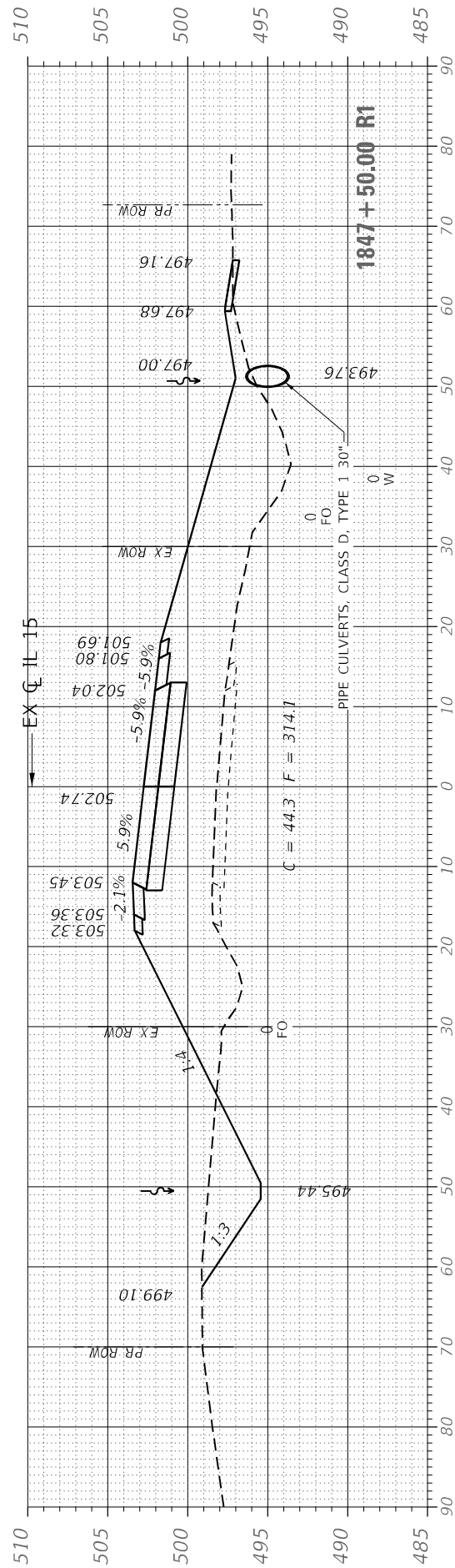
USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 15
 CROSS SECTIONS

SCALE: 10 H 5 V SHEET 6 OF 9 SHEETS STA. 1846+50.00 TO STA. 1847+50.00

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76197	





USER NAME	= rgoertz
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/9/2022

DESIGNED	-	RG
DRAWN	-	RG
CHECKED	-	JA
DATE	-	08/10/2022

REVISID	-
REVISID	-
REVISID	-
REVISID	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

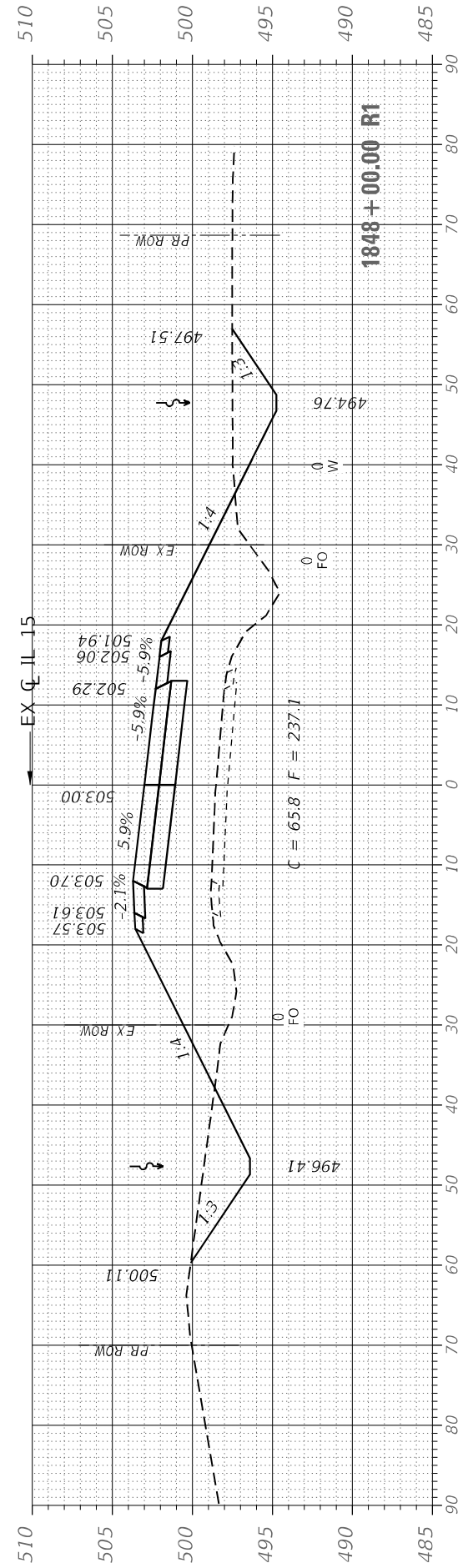
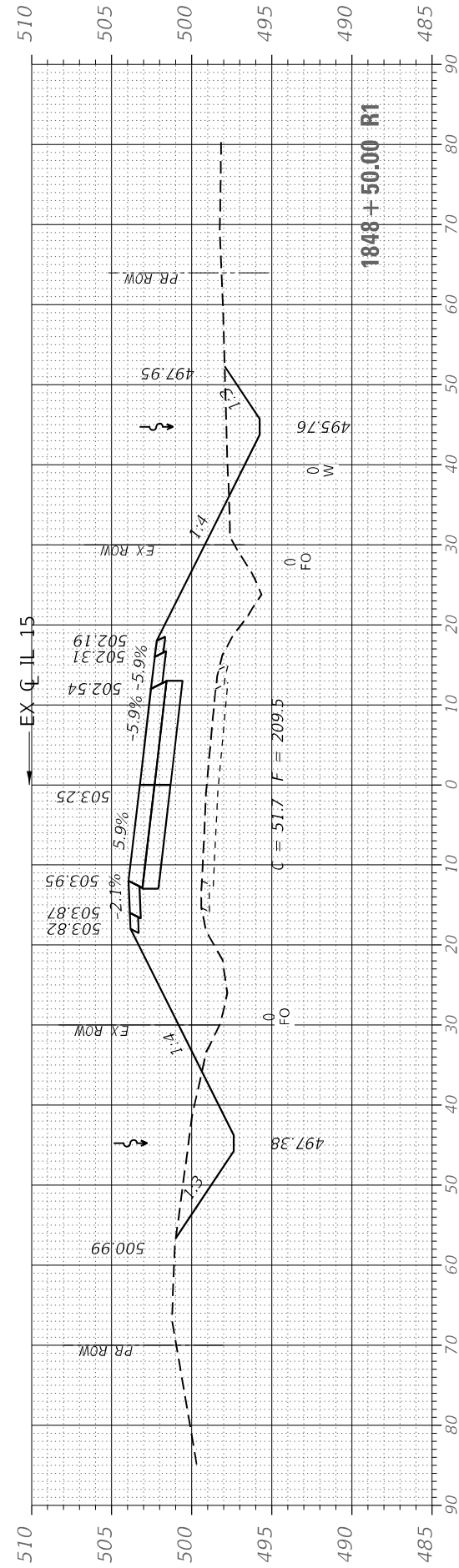
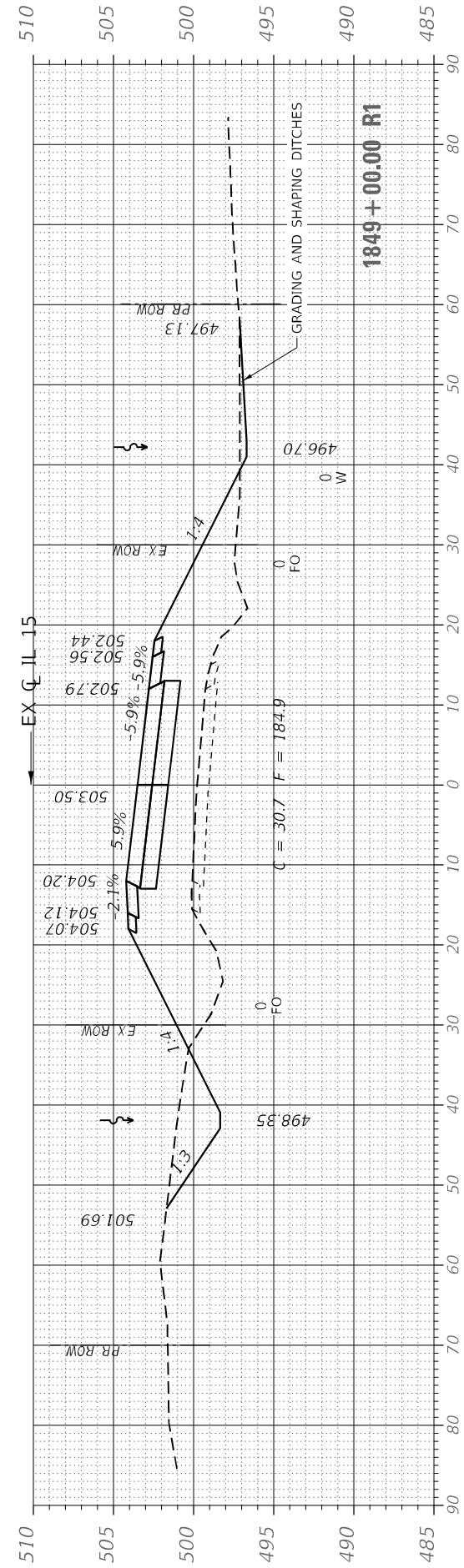
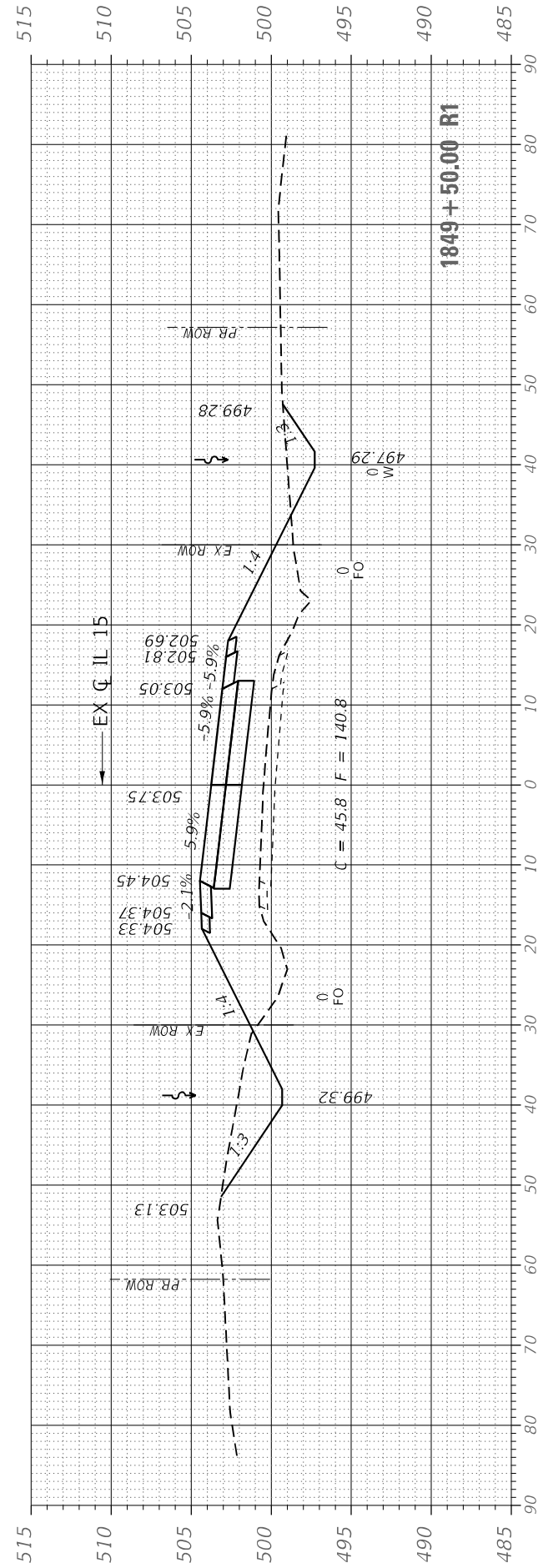
**IL 15
CROSS SECTIONS**

SCALE: 10 H 5 V SHEET 7 OF 9 SHEETS STA. 1848+00.00 TO STA. 1849+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1817	7BR-1	WASHINGTON	41	39
			CONTRACT NO. 76197	
			ILLINOIS FED. AID PROJECT	

LEGEND

- PAVEMENT BREAKING
- PAVEMENT AND SHOULDER REMOVAL





USER NAME = rgoertz	DESIGNED - RG	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/9/2022	CHECKED - JA	REVISED -
	DATE - 08/10/2022	REVISED -

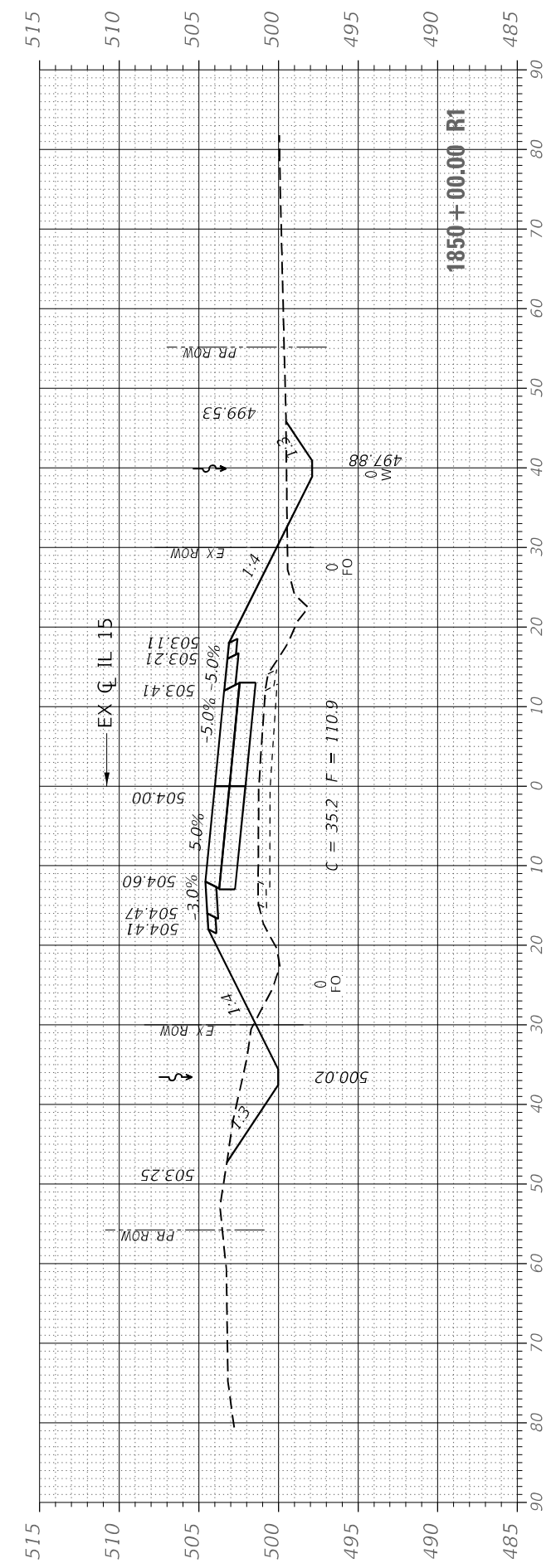
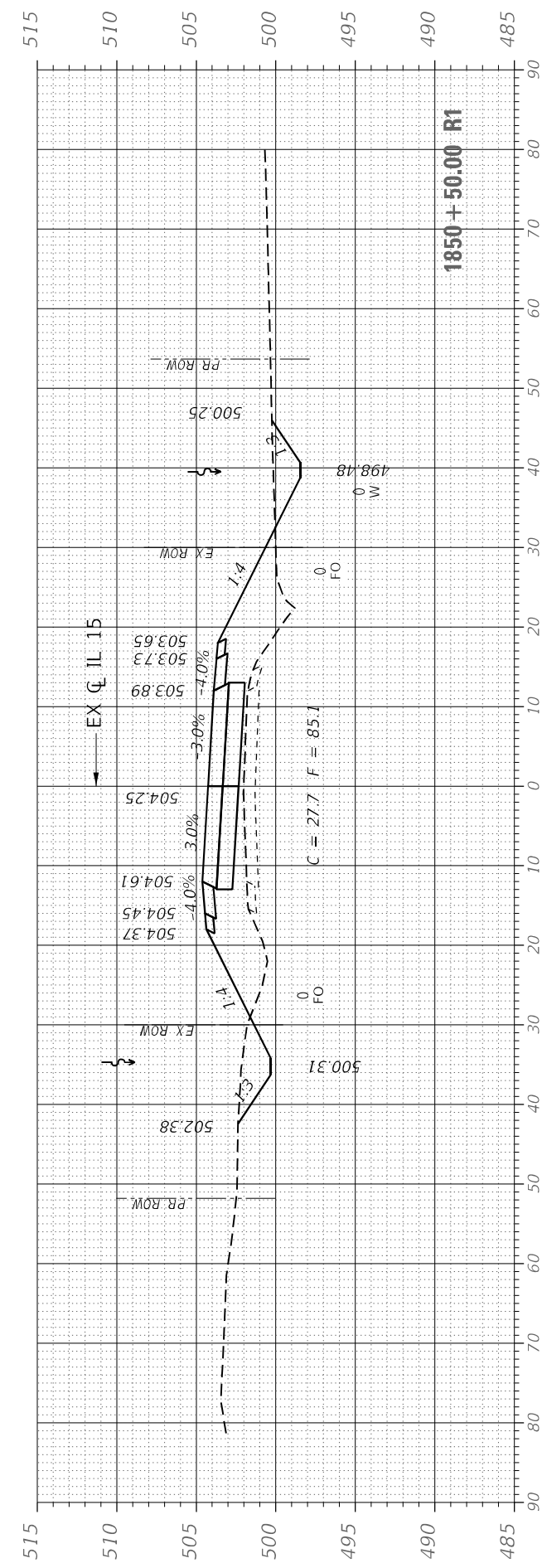
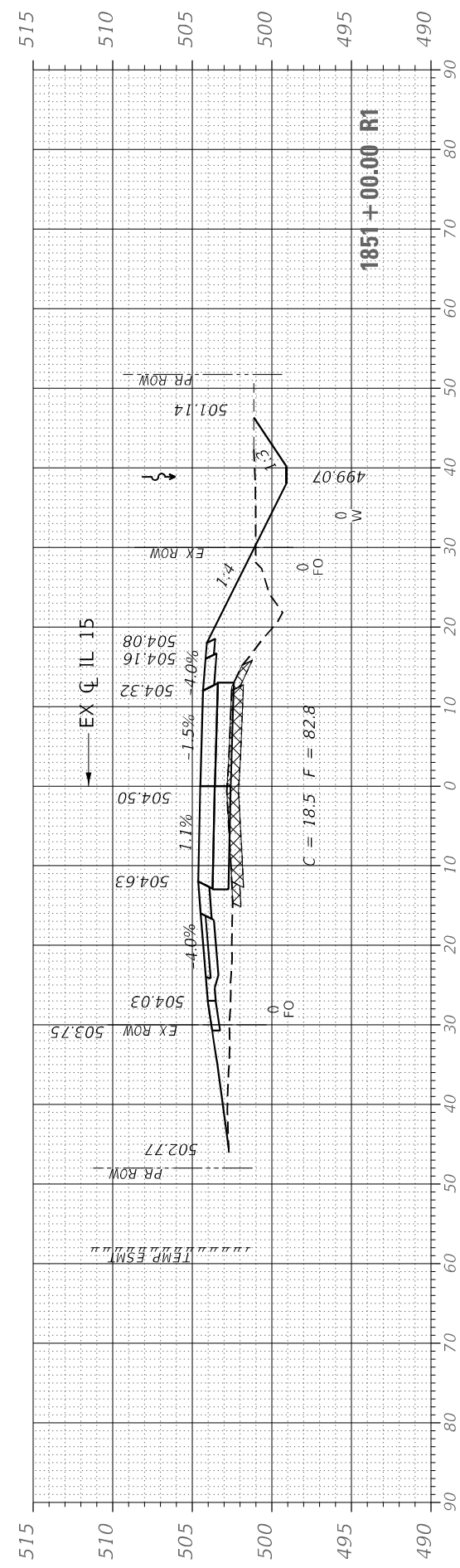
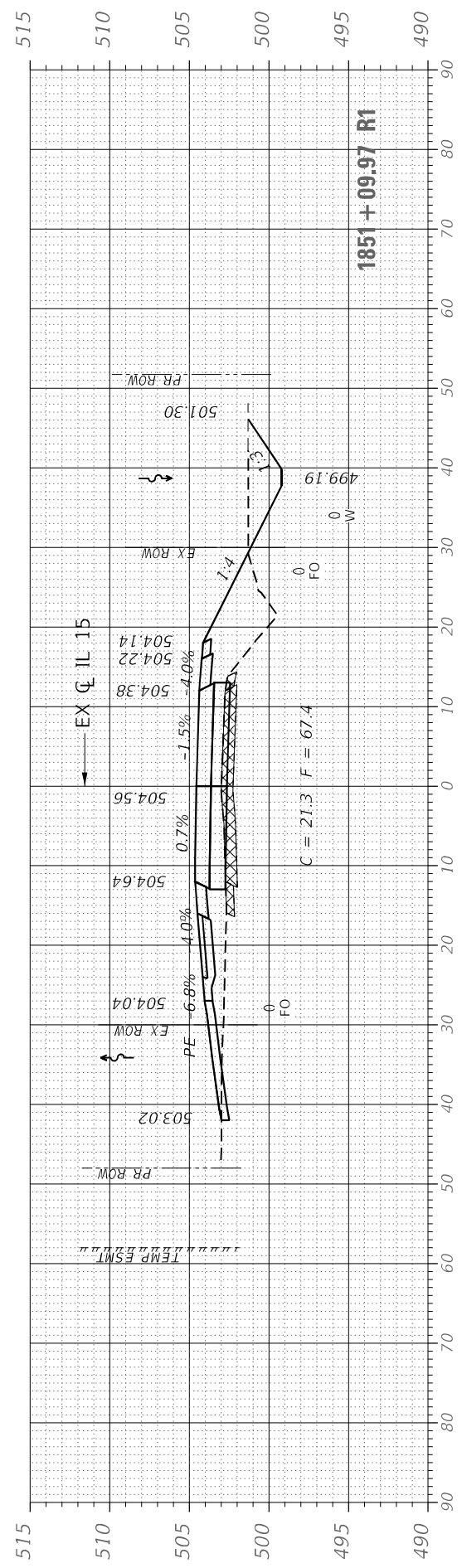
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 15
 CROSS SECTIONS**

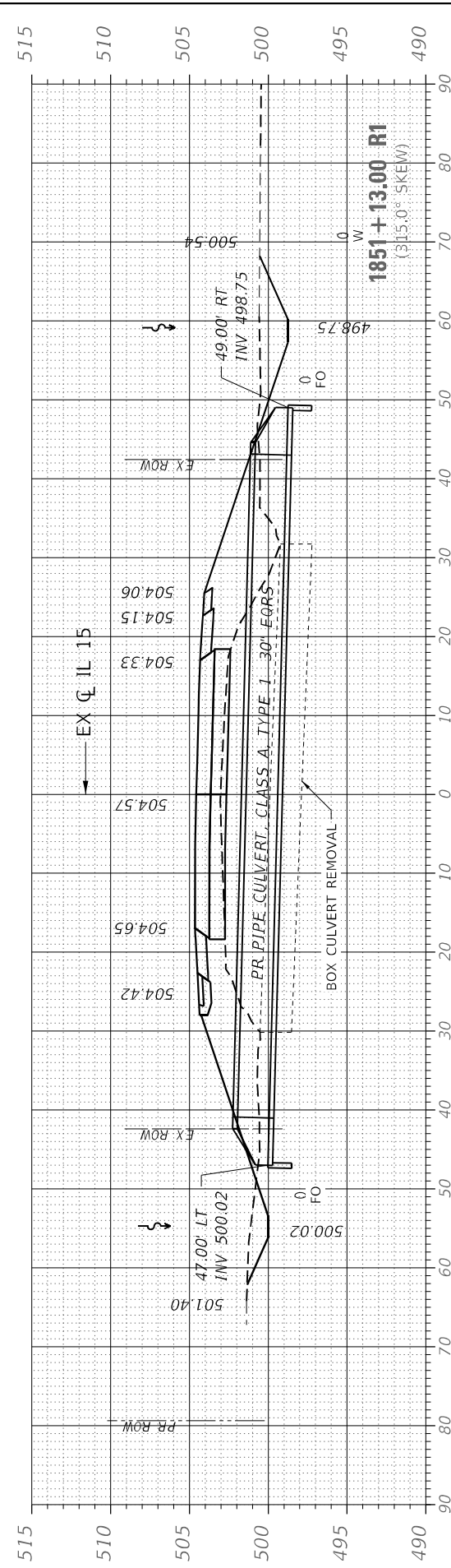
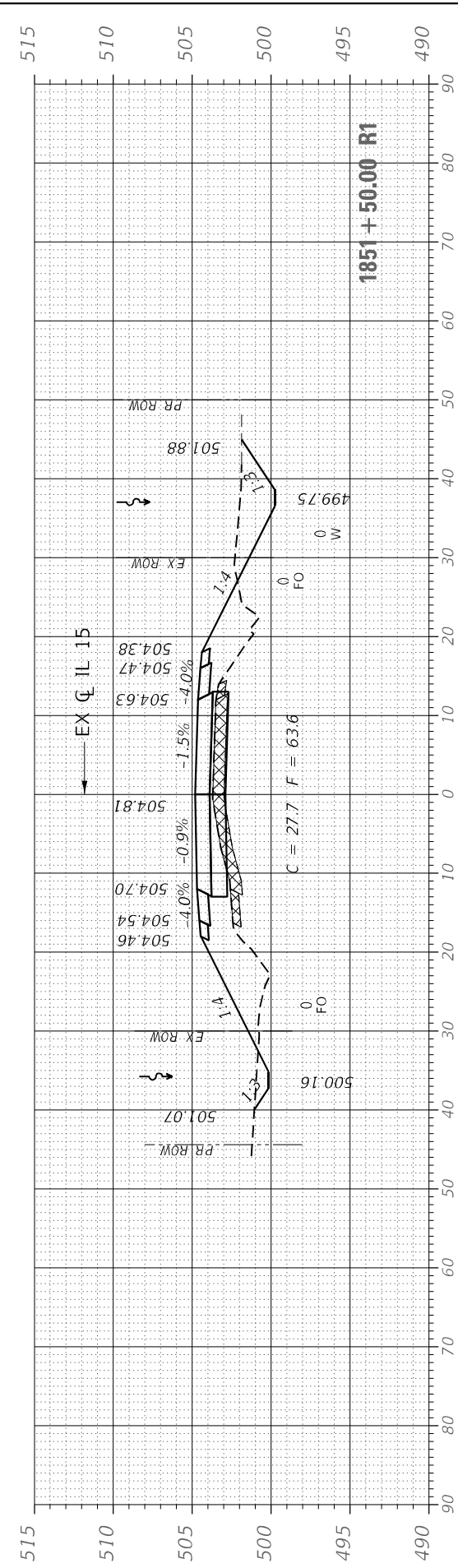
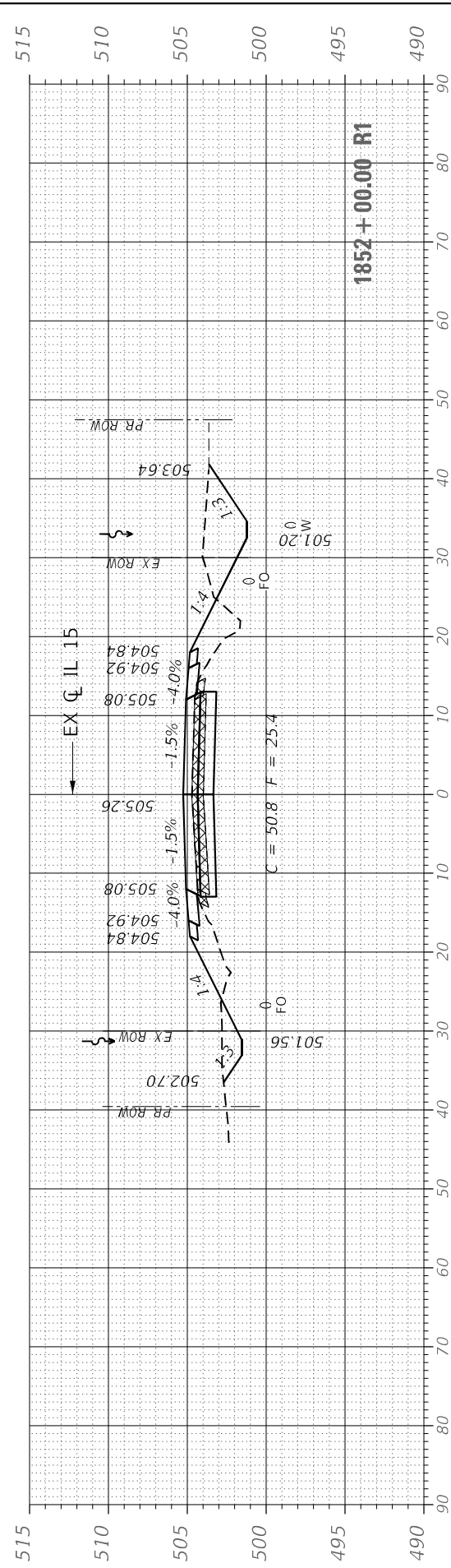
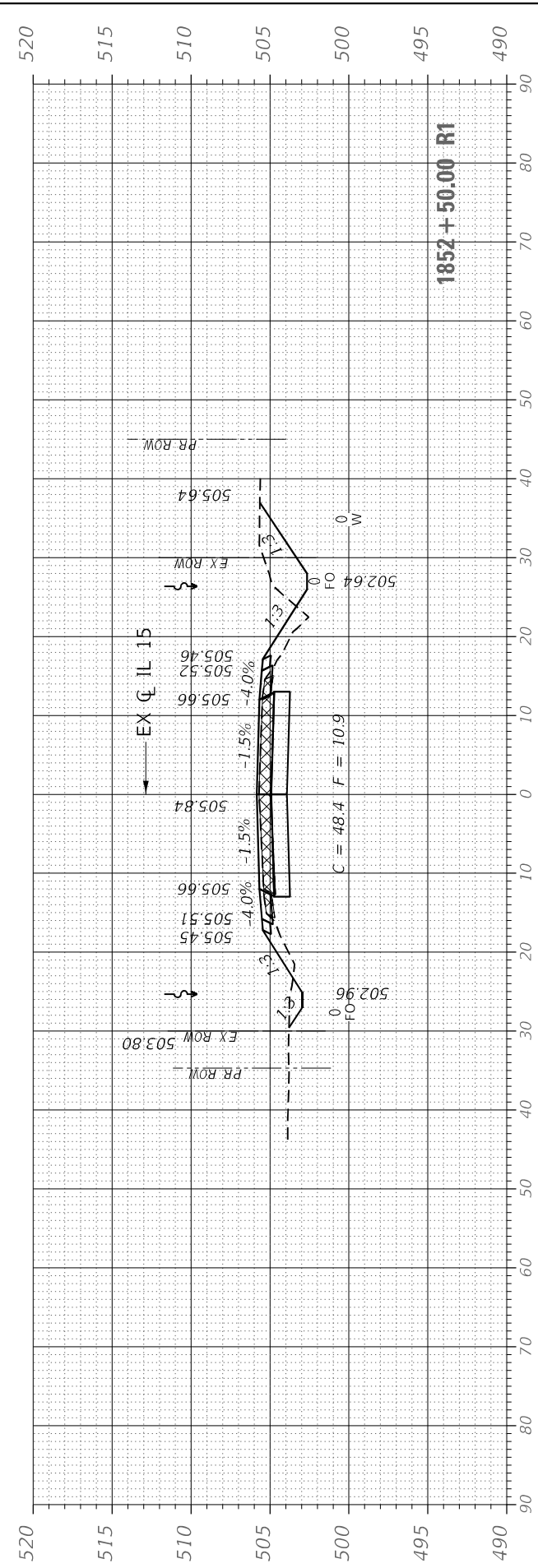
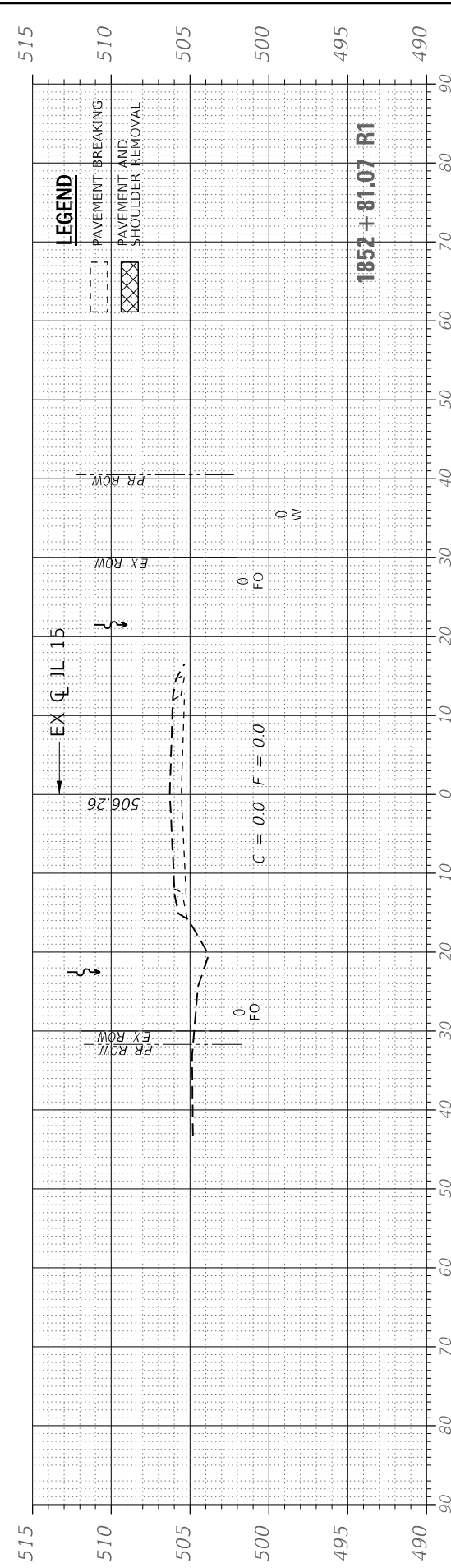
SCALE: 10 H 5 V SHEET 8 OF 9 SHEETS STA. 1850+00.00 TO STA. 1851+09.97

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 40
CONTRACT NO. 76J97				
ILLINOIS FED. AID PROJECT				

LEGEND
 - - - - - PAVEMENT BREAKING
 [X] PAVEMENT AND SHOULDER REMOVAL



MODEL: D:\p1\1911082_PTB_19328_DB - Benton - Various Ph. LITWork Order_4 IL 15 over Iune Credit\CADD\CADD Sheets\1911082_PTB_19328_Section.dgn



USER NAME = rgoertz
PLOT SCALE = 20,0000' / in.
PLOT DATE = 8/9/2022

DESIGNED - RG
DRAWN - RG
CHECKED - JA
DATE - 08/10/2022

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 15
CROSS SECTIONS

SCALE: 10 H 5 V SHEET 9 OF 9 SHEETS STA. 1851+13.00 TO STA. 1852+81.07

F.A.P. RTE. 817	SECTION 7BR-1	COUNTY WASHINGTON	TOTAL SHEETS 41	SHEET NO. 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J97	