

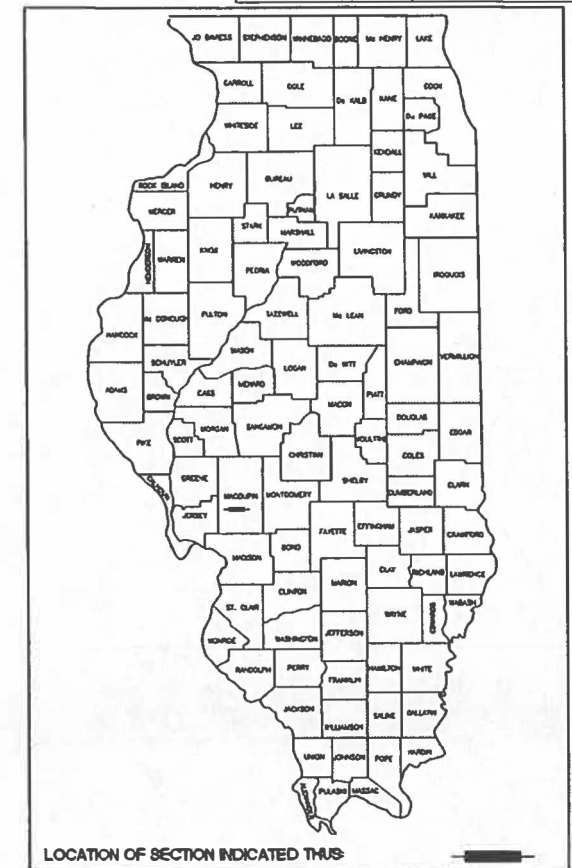
01-20-2023 LETTING ITEM 128

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**  
FAS ROUTE 736 (BRIGHTON BUNKER HILL ROAD - PHASE I)  
SECTION 01-00080-00-FP  
FEDERAL PROJECT NO. PFNA(930)  
MACOUPIN COUNTY  
HPP/HSIP/STR FUNDING  
**JOB # C-96-228-12**

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	1
CONTRACT #93795		FEDERAL AID PROJECT		



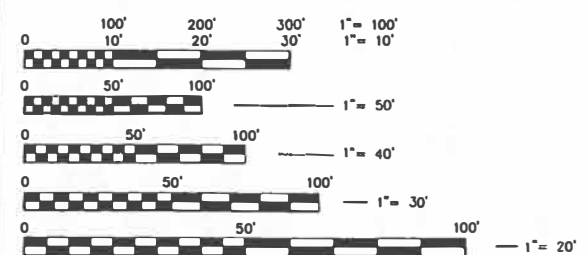
APPROVED September 9 2022  
*Thomas A Reinhart*  
THOMAS REINHART, MACOUPIN COUNTY ENGINEER

PASSED November 2 2022  
*Daniel W. [Signature]*  
DISTRICT 6 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED UPON LIMITED REVIEW:  
November 2 2022  
*[Signature]*  
REGION FOUR ENGINEER

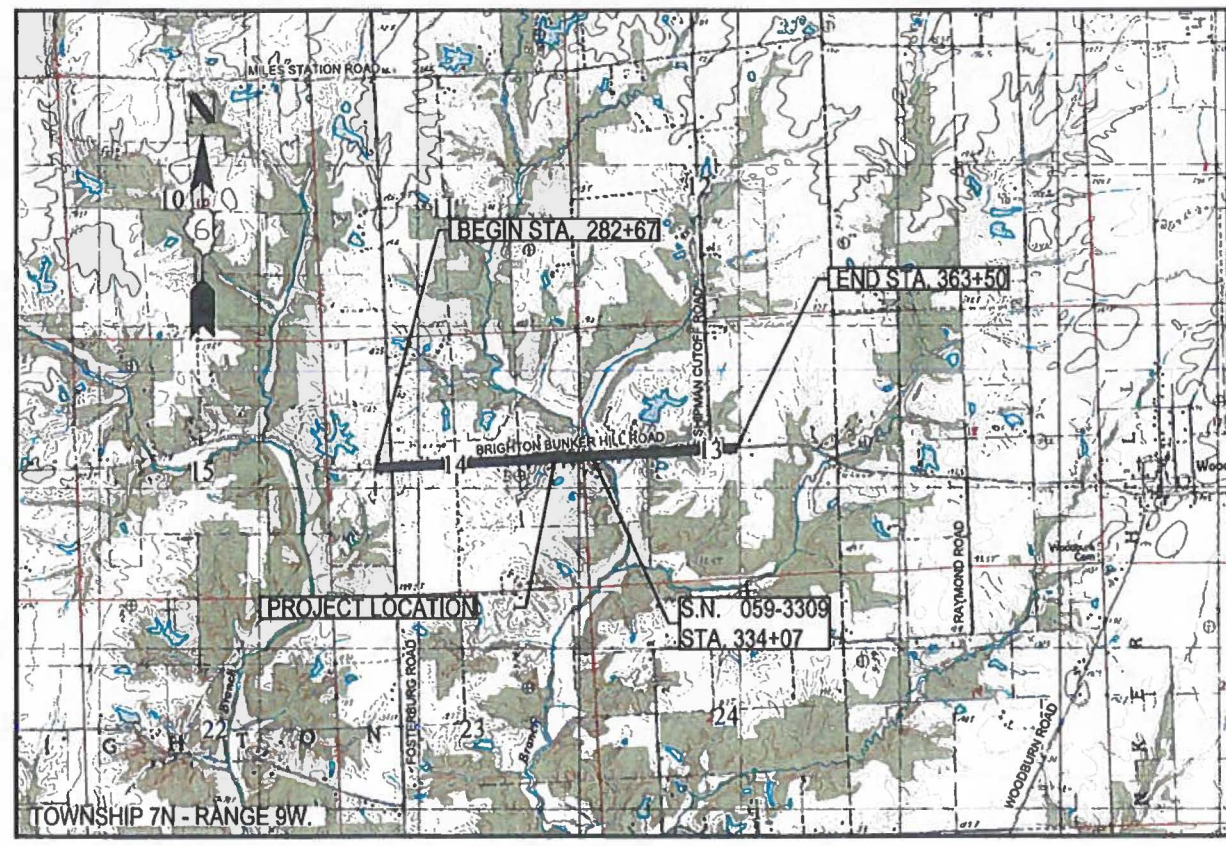
PRINTED BY THE AUTHORITY  
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FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR  
DESIGN SPEED = 55 mph  
CURRENT TRAFFIC YEAR 2022 = 2,350  
DESIGN TRAFFIC YEAR 2042 = 2,867 (1% GROWTH)



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

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



**LOCATION MAP**  
SCALE: 1" = 200'  
GROSS LENGTH = 8083 FEET (1.53 MILES)  
NET LENGTH = 8083 FEET (1.53 MILES)



*J. Adam Lott*  
J. ADAM LOTT  
REG. ILLINOIS P.E. #61696  
10-3-2022  
EXP. NOVEMBER 30, 2023

**HA** HENEGHAN AND ASSOCIATES, P.C.  
1004 STATE HWY. 16  
JERSEYVILLE, ILLINOIS 62052  
PHONE NO. (618) 498-6418  
FAX NO. (618) 498-6410  
www.haenr.com  
DESIGN FIRM NUMBER 184-002692, EXPIRES Dec 31, 2023

CONTRACT NO. 93795



**GENERAL CONSTRUCTION:**

1. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS WITHIN THE RIGHT OF WAY AND EASEMENT LINES INDICATED ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
2. ONLY THOSE TREES LISTED IN THE TREE REMOVAL SCHEDULE OR DESIGNATED BY THE ENGINEER SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES AND SHRUBS FROM DAMAGE DUE TO HIS OPERATIONS.
3. ANY STANDARD NUMBER LISTED SHALL BE INTERPRETED TO BE THE COPY OF THE STANDARDS INCLUDED IN THE PLANS.
4. NO PAYMENT WILL BE ALLOWED FOR OVERHAUL OF EARTH WORK.
5. RECONSTRUCTION OF ALL SIDE ROADS AND ENTRANCES SHALL BE STAGE CONSTRUCTED, WHERE FEASIBLE, TO MAINTAIN VEHICULAR ACCESS AT ANY GIVEN TIME DURING THE CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
9. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.

**STAGE CONSTRUCTION / TRAFFIC CONTROL:**

1. ALL TRAFFIC CONTROL (INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY, AND PERMANENT) SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED, AND/OR REMOVED IN ACCORDANCE WITH DIVISION 700 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022 AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. THE DELIVERY, INSTALLATION, MAINTENANCE, RELOCATION, AND/OR REMOVAL OF ALL TRAFFIC CONTROL DEVICES (REQUIRED IN THESE PLANS, THE SPECIAL PROVISIONS, AND/OR FIELD IMPLEMENTED) SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM LISTED IN THE SUMMARY OF QUANTITIES.
2. IF THE CONTRACTOR CHOOSES TO DEVIATE FROM THE PLANNED STAGE CONSTRUCTION ITINERARY, THE CONTRACTOR MUST NOTIFY THE ENGINEER AND ACQUIRE APPROVAL FROM THE ENGINEER.

**UTILITIES:**

1. THE TYPE, SIZE, AND LOCATION OF UTILITIES, AS DELINEATED IN THESE DOCUMENTS, HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING RECORD DRAWINGS, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS, THEREFORE THEIR EXACT LOCATION, SIZE, AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
2. THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. THIS PROJECT LIES IN SECTIONS 13 AND 14, TOWNSHIP 7N, RANGE 9W IN MACOUPIN COUNTY. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS (WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT), THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
3. ANY FACILITIES OR APPURTENANCES OF A PUBLICLY OR PRIVATELY OWNED UTILITY COMPANY, WHICH ARE IN DIRECT VIOLATION OF ILLINOIS DEPARTMENT OF TRANSPORTATION POLICIES AND PROCEDURES, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNER(S) OF ANY SUCH FACILITY AND COORDINATE HIS OPERATIONS TO PROMOTE PROMPT UTILITY ADJUSTMENT AND REASONABLE CONSTRUCTION PROGRESS.
4. THE FOLLOWING ENTITIES HAVE UTILITY FACILITIES WITHIN/DIRECTLY ADJACENT TO THE CONSTRUCTION LIMITS OF THIS PROJECT:
  - FRONTIER COMMUNICATIONS  
225 N. BROAD STREET  
CARLINVILLE, IL 62626  
PH: (217) 854-2025
  - MJM ELECTRIC COOPERATIVE (ELECTRIC)  
18300 SHIPMAN RD  
CARLINVILLE, IL 62626  
PH: (217) 854-3137
  - AMEREN IP (GAS)  
PH: (217) 532-8225
  - SBC (COMMUNICATIONS)  
PH: 847-898-4702
  - JERSEY COUNTY RURAL WATER  
1009 STATE HIGHWAY 16  
JERSEYVILLE, IL 62052  
PH: (618) 493-9534

**DRAINAGE CONSTRUCTION:**

1. ANY EXISTING CULVERTS THAT WERE TO REMAIN-IN-PLACE THAT ARE DAMAGED OR REMOVED BY THE CONTRACTOR WILL HAVE TO BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. ALL EXISTING PIPE CULVERTS WITHIN THE CONSTRUCTION LIMITS ARE TO BE REMOVED BY THE CONTRACTOR AS NOTED ON THE PLANS. THOSE PIPES WHICH ARE CONSIDERED SALVAGEABLE BY THE ENGINEER SHALL REMAIN THE PROPERTY OF THE COUNTY. ALL OTHER PIPE CULVERTS SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN OPERATION OF ANY PIPES THAT CONNECT TO THE EXISTING DRAINAGE DITCH DURING ALL CONSTRUCTION OPERATIONS. AFTER FINAL REGRADING OF THE DITCHES IS COMPLETE SUCH PIPES SHALL BE ADJUSTED AS NECESSARY TO MATCH THE FINAL GRADING. ANY ADJUSTMENT NEEDED FOR SEPTIC OUTLETS, FIELD TILES, AND OTHER PIPES DISCHARGING INTO EXISTING DITCHES SHALL BE INCIDENTAL TO EARTHWORK COST.
4. ALL CORRUGATED STEEL PIPE FOR CULVERTS SHALL BE ALUMINUM COATED PER AASHTO M274. GALVANIZED STEEL PIPE SHALL NOT BE PERMITTED ON THIS PROJECT. ONLY CORRUGATED STEEL PIPE OR REINFORCED CONCRETE PIPE SHALL BE PERMITTED FOR CLASS C PIPE CULVERTS.
5. ALL DITCHES SHOWN ON THE PROFILE OF THE ROADWAY PLAN AND PROFILE SHEETS ARE SPECIAL DITCHES. TYPICAL DITCHES ARE NOT SHOWN ON THE PROFILE.
6. EXISTING 4" & 6" PVC DRAIN PIPES THAT CONNECT TO DITCH SHALL BE ADJUSTED TO CONNECT TO PROPOSED DITCH AND IS CONSIDERED INCIDENTAL TO GRADING ITEM.

**PAVEMENT CONSTRUCTION:**

1. THE THICKNESS OF THE HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE FOR BASE ON WHICH THE HOT MIX ASPHALT IS PLACED.
2. SAW CUTTING OF EXISTING PAVEMENT, NECESSARY FOR ITS REMOVAL, SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH THE SAW CUT IS BEING MADE. THE REMOVAL OF ALL EXISTING CONCRETE AND/OR HOT-MIX ASPHALT ENTRANCE PAVEMENT HAS BEEN INCLUDED IN THE DRIVEWAY PAVEMENT REMOVAL QUANTITY AND THE REMOVAL OF ALL EXISTING AGGREGATE AND/OR OIL & CHIP ENTRANCE PAVEMENT SHALL BE INCLUDED IN THE EARTH EXCAVATION QUANTITY AND SHALL NOT BE MEASURED, NOR PAID FOR, AS A SEPARATE REMOVAL ITEM.
3. THE CONTRACTOR IS ADVISED THAT THE PROPOSED STORM SEWER ROADWAY CROSSINGS MAY CONFLICT WITH THE PROPOSED CEMENT STABILIZATION OPERATIONS DUE TO MINIMAL COVER OVER THE PIPES. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THESE AREAS TO PREVENT ANY DAMAGE TO THE PROPOSED CULVERTS. THIS MAY NECESSITATE VARYING THE METHODS OF CEMENT STABILIZATION. NO DIRECT PAYMENT SHALL BE MADE FOR THESE ACCOMMODATIONS.
4. THE MAIN LINE HMA PAVEMENT SHALL BE PLACED WITH A SPREADING AND FINISHING MACHINE THAT UTILIZES A TRAVELING GRADE REFERENCE DEVICE A MINIMUM OF 30 FEET IN LENGTH TO HELP ENSURE THAT THE COMPLETED SURFACE COURSE WILL MEET THE SURFACE TEST AS SPECIFIED IN ARTICLE 406.11 OF THE IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. TRIMMING OF THE SOIL-CEMENT BASE COURSE WILL ALSO BE REQUIRED BEFORE PLACING HMA BINDER COURSE.
5. HMA BUTT JOINTS SHALL BE MILLED IMMEDIATELY PRIOR TO THE INSTALLATION OF THE SURFACE COURSE.

**PAVEMENT MARKING & SIGNAGE:**

1. ALL PAVEMENT MARKING AND SIGNAGE SHALL BE IMPLEMENTED ACCORDING TO DIVISION 700 OF THE ABOVE REFERENCED EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. ALL EXISTING SIGNS TO BE REMOVED AND REPLACED BY THE CONTRACTOR SHALL BE SALVAGED AND STOCKPILED FOR MACOUPIN COUNTY AS DIRECTED BY THE ENGINEER.
2. NO TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE.

**SEEDING & EROSION CONTROL:**

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO INSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE EROSION CONTROL PLAN. ALL MAINTENANCE OF EROSION CONTROL DEVICES SHALL BE EXECUTED ACCORDING TO SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022.
3. ALL EARTH SURFACES DISTURBED BY CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER, SHALL BE SEEDED AND MULCHIED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022. ALL TEMPORARY EROSION CONTROL SEEDING SHALL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 280 OF THE ABOVE REFERENCED EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. EROSION CONTROL BLANKET PLACED ON SLOPES SHALL BE TOED IN (MINIMUM DEPTH OF 6") ON THE UPSLOPE EDGE OR ALONG THE EDGE OF THE SHOULDER WHEN PLACED ADJACENT TO THE ROADWAY.

**COMMITMENTS:**

NONE

**APPLICABLE HIGHWAY STANDARDS:**

090001-08	604001-05	701301-04	781001-04
001001-02	630001-12	701306-04	782001-01
001006	630301-09	701311-03	782006-01
280001-07	631011-10	701901-08	BLR 17-4
515001-04	631031-18	720001-01	BLR 18-6
542206-04	635001-02	720006-04	BLR 21-9
542301-03	666001-01	720011-01	BLR 22-7
601001-05	701001-02	725001-01	BLR 24-2
601101-02	701006-05	726001-01	BLR 26-3
602401-07	701011-04	731001-01	
602601-06	701201-05	780001-05	

**APPLICATION RATES FOR ESTIMATING QUANTITIES:**

BITUMINOUS MATERIALS (PRIME COAT ON FULL DEPTH RECLAMATION WITH CEMENT AND AGGREGATE BASE COURSE)	0.25 LBS/SQ FT
BITUMINOUS MATERIALS (TACK COAT ON HMA)	0.025 LBS/SQ FT
HOT-MIX ASPHALT THICKNESS	112 LBS/SQ YD/1"
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE
SEEDING FERTILIZER RATIO (NIT.PHOS.POT)	90:90:90 LBS/ACRE
CEMENT	0.60 100 WT/SQ YD
AGGREGATE	2.0 TONS/CU YD
STONED DUMPED RIP-RAP, CLASS A4	1.4 TONS/CU YD

**STRUCTURAL PAVEMENT DESIGN INFORMATION:**

BRIGHTON BUNKER HILL ROAD	
STRUCTURAL DESIGN TRAFFIC	2,367 YEAR 2042
Pv =	2.638-825 SU = 143.29 F <sub>81</sub> = 86.35
ROAD CLASSIFICATION	CLASS 11
TRAFFIC FACTOR	TF = 0.45
SUBGRADE SUPPORT RATING	POOR
PAVEMENT DESIGN	
	RECYCLED BASE (CEMENT STABILIZED, 5%) 12" @ 0.2 = 2.40
	PROPOSED HMA (BINDER/SURFACE) 4.50 @ 0.36 = 1.62
	STRUCTURAL NUMBER = 4.02

**MIXTURES TABLE**

	SURFACE COURSE	BINDER COURSE	INCIDENTAL
AC/PC	PG64-22	PG64-22	PG64-22
DESIGN AIR Voids	4% N50	4% N50	4% N50
MIX CORP GRADATION MIX 1	9.5	19	9.5
FRICTION AGG	C	N/A	C
QUALITY MANAGEMENT	QA/QC	QA/QC	QA/QC

**LEGEND**

- ADDITIONS OR MODIFICATIONS TO IDOT STANDARD 000001-08
- ..... GRADING LIMITS
  - 2' FLAT BOTTOM DITCH
  - OE — OVERHEAD ELECTRIC
  - TBR TO BE REMOVED
  - TBR&R TO BE REMOVED AND RELOCATED
  - TBA TO BE ABANDONED
  - G — PROPOSED GUARDRAIL
  - F — FLARED END SECTION
  - W — EXISTING WATER LINE
  - RIP RAP
  - EXISTING CULVERT

PATH: \\hored\clients\01630 - macoupin county\300 - brighton bunker hill rd\1630-300 drafting\sheet files\02 - general notes.dwg  
PLOT: 9/29/2022 12:48:50 PM BY: hargan, chris

FILE NAME =	02 - GENERAL NOTES.DWG	USER NAME =	Hargan, Chris	DESIGNED -	CAW/JAL	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND STANDARDS	F.A.S. RTE.	736	SECTION	01-00080-00-FP	COUNTY	MACOUPIN	TOTAL SHEETS	112	SHEET NO.	2		
		PLOT SCALE =	1:1	CHECKED -	CAW	REVISED -				SCALE:	N/A	SHEET NO.2 OF 112 SHEETS	STA. NA	TO STA. NA	CONTRACT NO. 93795						
		PLOT DATE =	9/29/2022	DATE -	9/29/2022	REVISED -				FED. ROAD DIST. NO. 6 ILLINOIS TITLING TYP. AND PROJECT											



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 PLOT DATE: 11/30/2022 12:35:18 PM BT Horgan, Chris

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	107	107	
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	131	131	
Δ 20100500	TREE REMOVAL (ACRES)	ACRES	2.75	2.75	
20200100	EARTH EXCAVATION	CU YD	15580	15580	
20300100	CHANNEL EXCAVATION	CU YD	832		832
20400800	FURNISHED EXCAVATION	CU YD	36783	36783	
20800150	TRENCH BACKFILL	CU YD	91	91	
Δ 25000200	SEEDING, CLASS 2	ACRE	11.25	11.25	
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1013	1013	
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1013	1013	
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1013	1013	
Δ 25100115	MULCH, METHOD 2	ACRE	9.25	9.25	
Δ 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	10688	10688	
25000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1125	1125	
28000305	TEMPORARY DITCH CHECKS	FOOT	224	224	
28000400	PERIMETER EROSION BARRIER	FOOT	2734	2734	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	4873	4873	
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	100	100	
28200200	FILTER FABRIC	SQ YD	910	910	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
35101400	AGGREGATE BASE COURSE, TYPE B	TON	293	293	
35200500	CEMENT	100WT	17088	17088	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	685	685	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	404	404	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	65650	65650	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5968	5968	
40600982	HOT MIX ASPHALT SURFACE REMOVAL BUTT JOINT	SQ YD	66	66	
40600990	TEMPORARY RAMP	SQ YD	93	93	
40603080	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	4412	4412	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "C" N50	TON	2206	2206	
40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	174	174	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	118	118	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	59	59	
44003100	MEDIAN REMOVAL	SQ FT	79	79	
44004000	PAVED DITCH REMOVAL	FOOT	1117	1117	
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	9788	9788	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	1354	1354	
50200100	STRUCTURE EXCAVATION	CU YD	444		444
50300225	CONCRETE STRUCTURES	CU YD	67.6		67.6

\* SPECIAL PROVISION  
 Δ SPECIALTY ITEM  
 # 0042

FILE NAME = 03 - SUMMARY OF QUANTITIES.DWG	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED - 11/30/2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 3	
	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -			SCALE: N/A	SHEET NO. 3 OF 112 SHEETS	STA. NA	TO STA. NA	CONTRACT NO. 93795	
	PLOT DATE = 11/30/2022	CHECKED - CAW	REVISED -			FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					
		DATE - 9/29/2022	REVISED -								



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 PLOTTED: 9/29/2022 @ 12:05:13 PM BY Horgan, Chris

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
50300255	CONCRETE SUPERSTRUCTURE	CU YD	300.7		300.7
50300260	BRIDGE DECK GROOVING	SQ YD	597		597
50300280	CONCRETE EMCASEMENT	CU YD	9.8		9.8
50300300	PROTECTIVE COAT	SQ YD	759		759
50400735	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 63"	FOOT	578		578
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	67040		67040
51201800	FURNISHING STEEL PILES HP14X73	FOOT	1040		1040
51202305	DRIVING PILES	FOOT	1040		1040
51203800	TEST PILE STEEL HP14X73	EACH	2		2
51500100	NAME PLATES	EACH	1		1
542A0229	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	56	56	
542A0235	PIPE CULVERTS, CLASS A, TYPE 1, 30"	FOOT	87	87	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1, 36"	FOOT	157	157	
542A1105	PIPE CULVERTS, CLASS A, TYPE 2, 60"	FOOT	114	114	
542A1117	PIPE CULVERTS, CLASS A, TYPE 2, 72"	FOOT	211	211	
542C0220	PIPE CULVERTS, CLASS C, TYPE 1, 15"	FOOT	581	581	
542C0223	PIPE CULVERTS, CLASS C, TYPE 1, 18"	FOOT	92	92	
542C1060	PIPE CULVERTS, CLASS C, TYPE 2, 15"	FOOT	42	42	
542C5479	PIPE CULVERTS, CLASS C, TYPE 1, EQUIVALENT ROUND SIZE 24"	FOOT	29	29	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
54213495	END SECTIONS 60"	EACH	2	2	
54213507	END SECTIONS 72"	EACH	2	2	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2	
550A0070	STORM SEWERS, CLASS A, TYPE 1, 15"	FOOT	130	130	
550A0120	STORM SEWERS, CLASS A, TYPE 1, 24"	FOOT	103	103	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	376		376
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	106		106
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	784	784	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	36	36	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	630	630	
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	14708	14708	
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	162		162
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	2	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	14.5	14.5	

\* SPECIAL PROVISION  
 Δ SPECIALTY ITEM  
 # 0042

FILE NAME =	USER NAME = Horgan, Chris	DESIGNED = JAL	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
03 - SUMMARY OF QUANTITIES.DWG	PLOT SCALE = 1:1	DRAWN = RDS	REVISED =			736	01-00080-00-FP	MACOUPIN	112	4	
	PLOT DATE = 9/29/2022	CHECKED = CAW	REVISED =			CONTRACT NO. 93795					
		DATE = 9/29/2022	REVISED =			FED. ROAD DIST. NO. 6 ILLINOIS TRFED. AID PROJECT					

SCALE: N/A SHEET NO. 4 OF 112 SHEETS STA. NA TO STA. NA



Path: \\s:\shared\adkins\01630 - macoupin county\300 - brighton bunker hill rd\1630-300 detailing\sheet files\03 - summary of quantities.dwg  
 PLOT DATE: 10/27/2022 7:55:15 AM BY: jsl

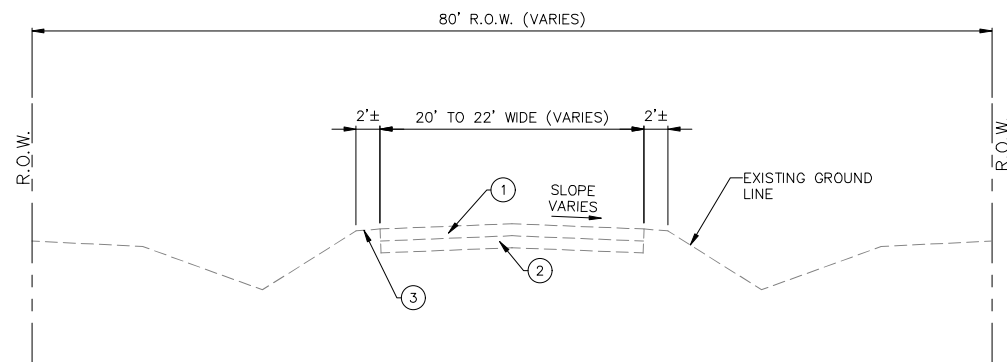
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004	0010
				RURAL	S.N. 059-3309
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	28.5	28.5	
60618320	CONCRETE MEDIAN SURFACE, 6"	SQ FT	109	109	
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2324	2324	
Δ 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	
Δ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
Δ 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	6	6	
53200310	GUARDRAIL REMOVAL	FOOT	500	500	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	116	116	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	24	24	
67100100	MOBILIZATION	LSUM	1	1	
Δ 72000100	SIGN PANEL, TYPE 1	SQ FT	118	118	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	67	67	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	55	55	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004	0010
				RURAL	S.N. 059-3309
Δ 72501000	TERMINAL MARKER-DIRECT APPLIED	EACH	10	10	
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	307	307	
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	94	94	
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	30968	30968	
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FOOT	531	531	
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	215	215	
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	31	31	
* LR400015	ADD ROCK	SQ YD	28446	28446	
* LR400903	FULL-DEPTH RECLAMATION, 12.0"	SQ YD	28446	28446	
* X0100002	GRADING AND SHAPING SPECIAL	SQ YD	28446	28446	
* X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	LSUM	1	1	
* Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
* Z0021903	SILICONE JOINT SEALER, 3/4"	FOOT	78	78	
# Z0076500	TRAINEES	HOURL	2000	2000	
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	2000	2000	

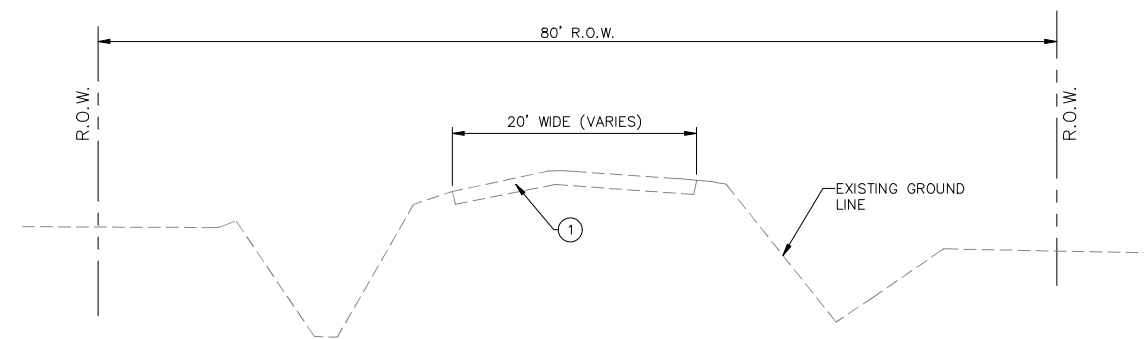
\* SPECIAL PROVISION  
 Δ SPECIALTY ITEM  
 # 0042

FILE NAME = 03 - SUMMARY OF QUANTITIES.DWG	USER NAME = Lott, Adam	DESIGNED = JAL	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE. 736	SECTION 01-0080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 5		
PLOT SCALE = 1:1	CHECKED = CAW	REVISIONS =	SCALE: N/A			SHEET NO. 5 OF 112 SHEETS	STA. NA TO STA. NA	CONTRACT NO. 93795				
PLOT DATE = 10/3/2022	DATE = 9/29/2022	REVISED =										
<small>TEL: 202-435-0001 FAX: 202-435-0002 TDD: 202-435-0003</small>												

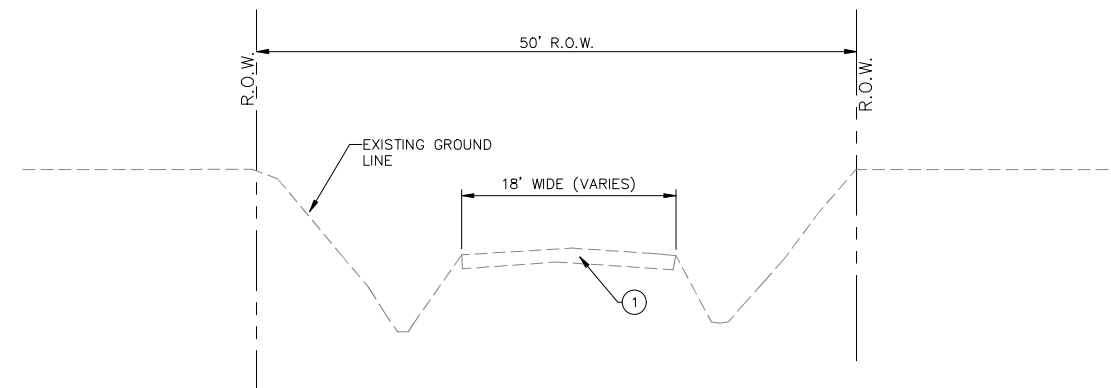




**BRIGHTON BUNKER HILL ROAD**  
 SCALE: NONE  
 STA. 282+67 to STA. 362+50



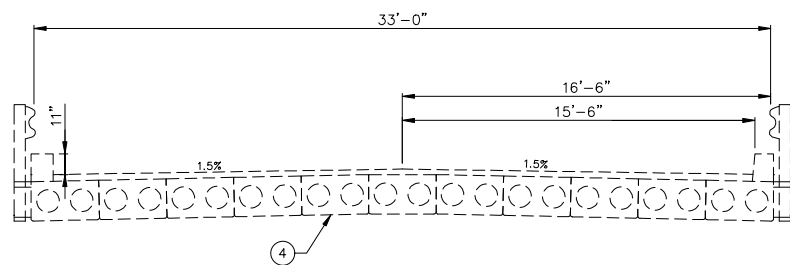
**FOSTERBURG ROAD (SOUTH)**  
 SCALE: NONE  
 STA. 800+00 to STA. 804+50



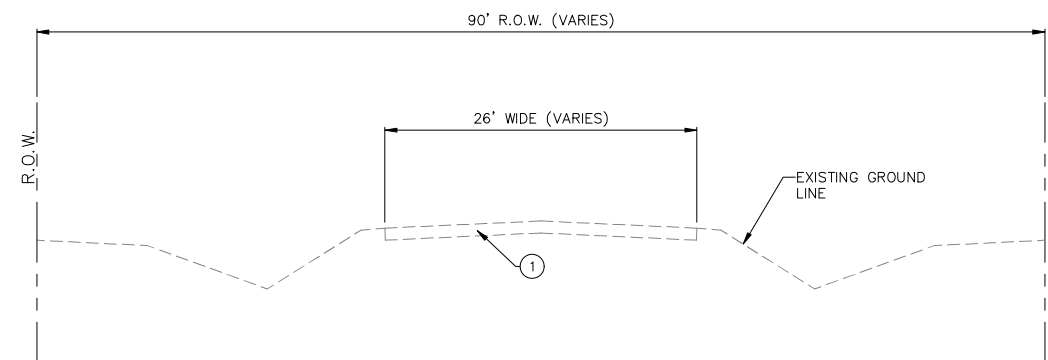
**FOSTERBURG ROAD (NORTH)**  
 SCALE: NONE  
 STA. 805+50 to STA. 807+00

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE (5"±)
- ② EXISTING AGGREGATE BASE COURSE (5.5"±)
- ③ EXISTING GRASS/AGGREGATE SHOULDER
- ④ EXISTING BOX BEAMS WITH EXISTING 3"± BITUMINOUS SURFACE



**BRIDGE BRIGHTON BUNKER HILL ROAD SECTION**  
**STA. 334+10**  
 SCALE: NONE  
 STRUCTURE NUMBER 059-3009



**SHIPMAN - CUTOFF ROAD**  
 SCALE: NONE

PATH: s:\vared\clients\01630 - maccoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\04 - existing typical sections.dwg  
 PLOTTED: 9/29/2022 @ 12:48:25 PM BY hargan, chris

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -
04 - EXISTING TYPICAL SECTIONS.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

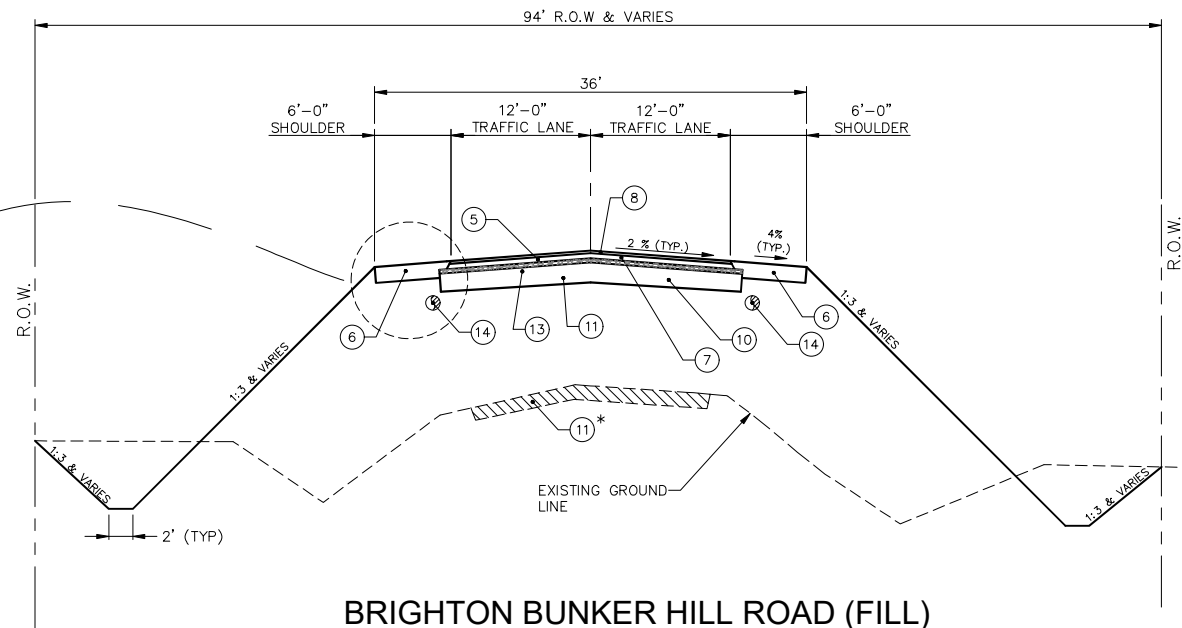
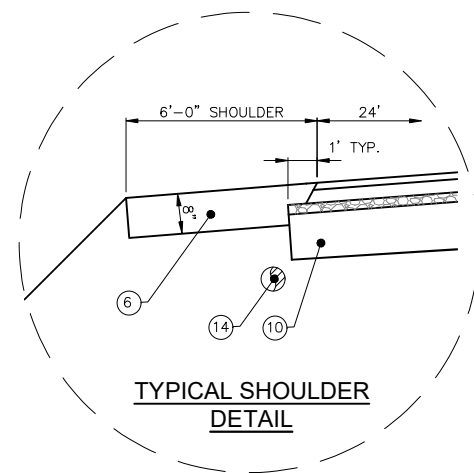
EXISTING TYPICAL SECTIONS

SCALE: N/A SHEET NO.6 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	6
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6		ILLINOIS	FED. AID PROJECT	



PATH:s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\05-07 - proposed typical sections.dwg  
 PLOTTED: 11/30/2022 1:04:31 PM BY hargan, chris



**BRIGHTON BUNKER HILL ROAD (FILL)**

SCALE: NONE  
 STA 320+00 to STA 340+00

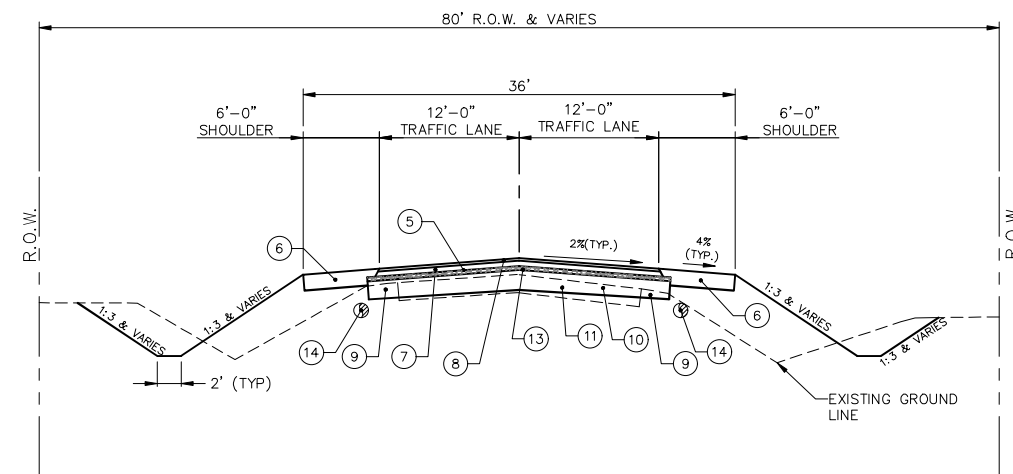
**LEGEND**

- ① EXISTING BITUMINOUS SURFACE (5"±)
- ② EXISTING BITUMINOUS SURFACE (5.5"±)
- ③ EXISTING GRASS/AGGREGATE SHOULDER
- ④ EXISTING BOX BEAMS
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)
- ⑥ AGGREGATE SHOULDERS, TYPE B 8" (PLACED IN 4" COMPACTED LIFTS)
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (3")
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1½")
- ⑨ PROPOSED WIDENED BASE COURSE
- ⑩ PROPOSED 12" CEMENT MODIFIED BASE (26' WIDE - BRIGHTON BUNKER HILL ROAD, 38' WIDE WITH TURN LANE BRIGHTON BUNKER HILL ROAD)
- ⑪ PULVERIZED PAVEMENT MATERIAL \*
- ⑫ THERMOPLASTIC PAVEMENT MARKING
- ⑬ AGGREGATE BASE COURSE, TYPE B (1"-6")
- ⑭ PIPE UNDERDRAINS 4"

\* NOTE: EXISTING PAVEMENT SHALL BE PULVERIZED AND STOCKPILED FOR REUSE. THE CONTRACTOR SHALL PLACE THE PULVERIZED PAVEMENT MATERIAL, MINIMUM 10.5" THICK, COMPLETE AND PRIOR TO CEMENT STABILIZATION.

**PROPOSED GUARDRAIL**

- STA. 320+31 TO 324+81 RT.      STA. 330+11 TO 333+43 RT.
- STA. 321+51 TO 322+64 LT.      STA. 334+70 TO 338+76 RT.
- STA. 322+97 TO 329+34 LT.      STA. 334+70 TO 337+39 LT.
- STA. 329+78 TO 333+43 LT.      STA. 334+70 TO 340+95 LT.



**BRIGHTON BUNKER HILL ROAD**

SCALE: NONE  
 STA 302+00 to STA 320+00  
 STA 340+00 to STA 352+00  
 STA 361+50 to STA 362+50

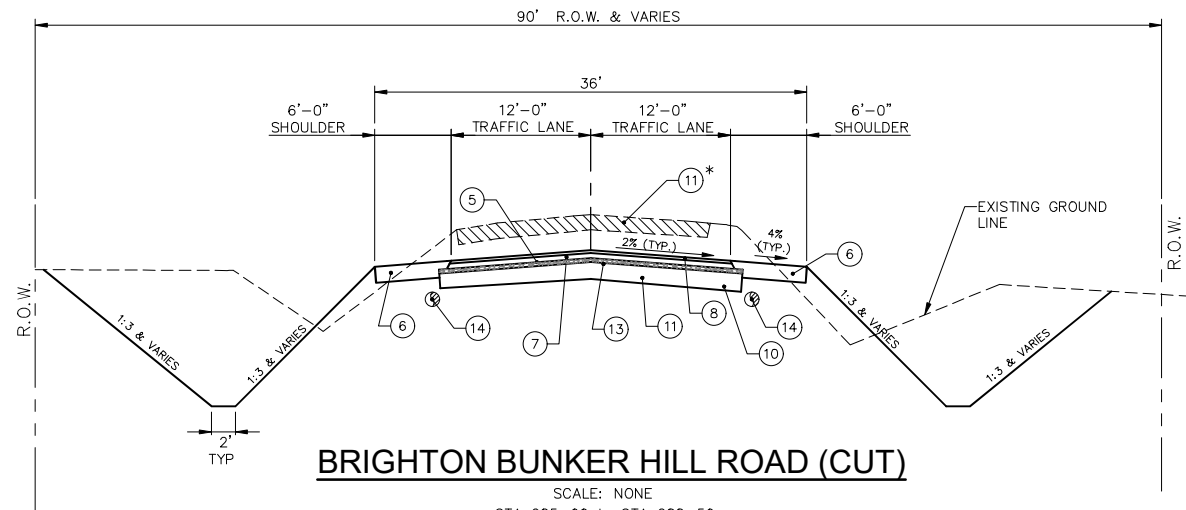
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05-07 - PROPOSED TYPICAL SECTIONS.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 11/30/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED TYPICAL SECTIONS**

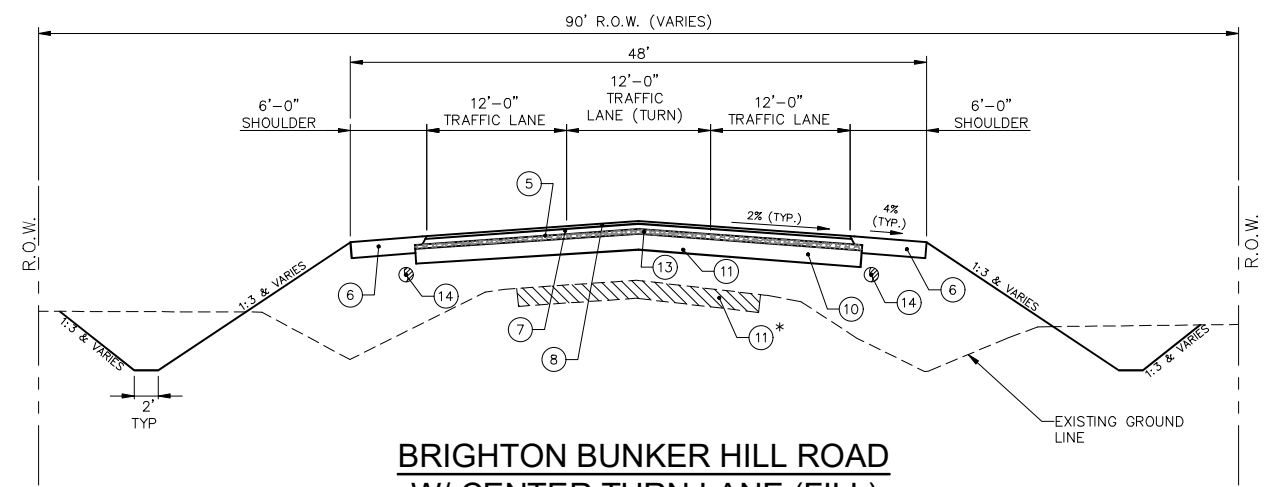
SCALE: N/A SHEET NO.7 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	7
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



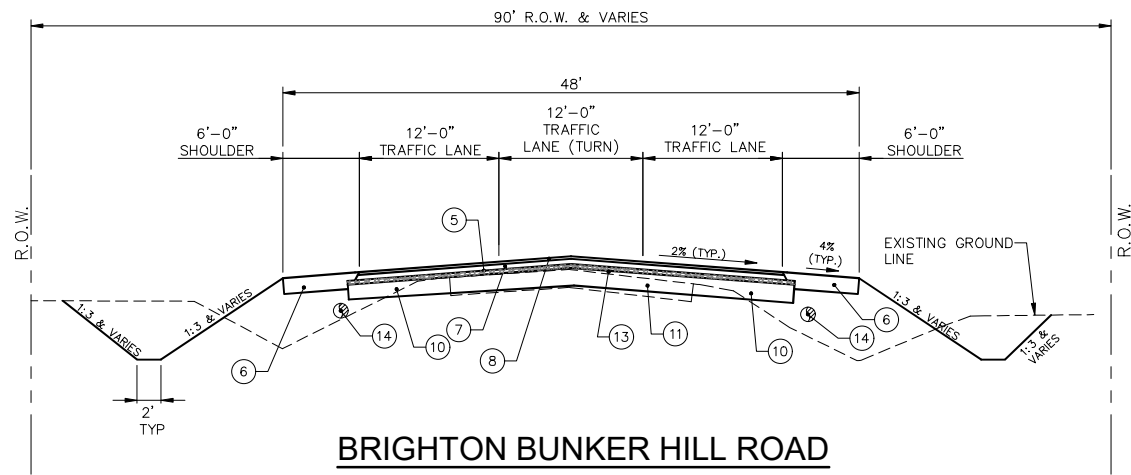
**BRIGHTON BUNKER HILL ROAD (CUT)**

SCALE: NONE  
 STA 285+00 to STA 288+50  
 STA 294+00 to STA 302+00



**BRIGHTON BUNKER HILL ROAD  
 W/ CENTER TURN LANE (FILL)**

SCALE: NONE  
 STA. 288+50 to STA. 294+00



**BRIGHTON BUNKER HILL ROAD  
 W/ CENTER TURN LANE**

SCALE: NONE  
 STA. 352+00 to STA. 361+50

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE (5"±)
- ② EXISTING BITUMINOUS SURFACE (5.5"±)
- ③ EXISTING GRASS/AGGREGATE SHOULDER
- ④ EXISTING BOX BEAMS
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)
- ⑥ AGGREGATE SHOULDERS, TYPE B 8" (PLACED IN 4" COMPACTED LIFTS)
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (3")
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1½")
- ⑨ PROPOSED WIDENED BASE COURSE
- ⑩ PROPOSED 12" CEMENT MODIFIED BASE (26' WIDE - BRIGHTON BUNKER HILL ROAD, 38' WIDE WITH TURN LANE BRIGHTON BUNKER HILL ROAD)
- ⑪ PULVERIZED PAVEMENT MATERIAL \*
- ⑫ THERMOPLASTIC PAVEMENT MARKING
- ⑬ AGGREGATE BASE COURSE, TYPE B (4"-6")
- ⑭ PIPE UNDERDRAINS 4"

\* NOTE: EXISTING PAVEMENT SHALL BE PULVERIZED AND STOCKPILED FOR REUSE. THE CONTRACTOR SHALL PLACE THE PULVERIZED PAVEMENT MATERIAL, MINIMUM 10.5" THICK, COMPLETE AND PRIOR TO CEMENT STABILIZATION.

PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\05-07 - proposed typical sections.dwg  
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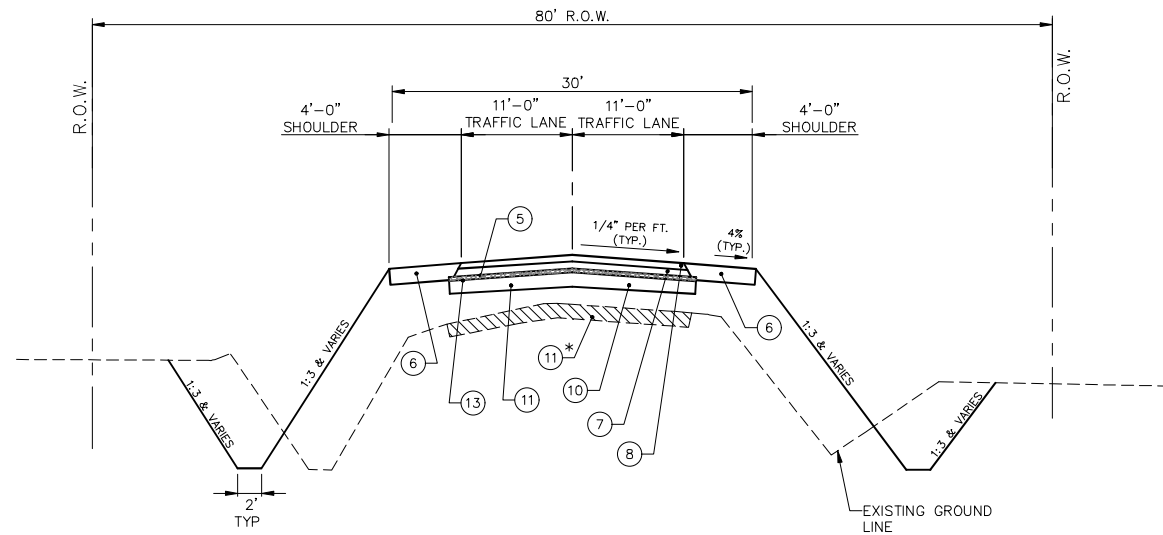
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05-07 - PROPOSED TYPICAL SECTIONS.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 11/30/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED TYPICAL SECTION**

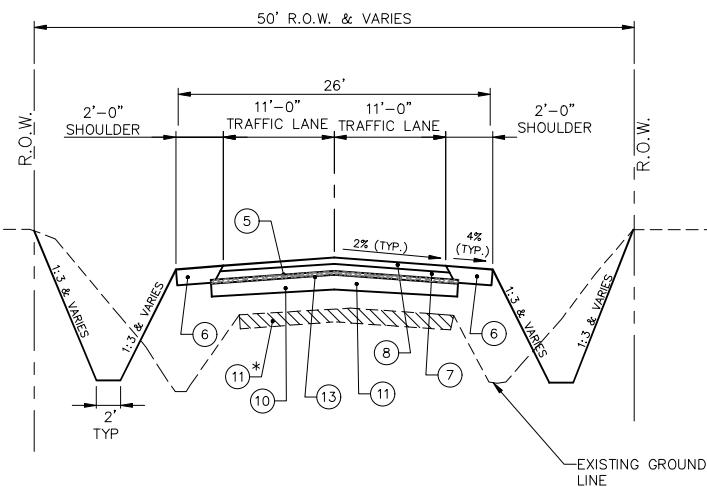
SCALE: N/A SHEET NO.8 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	8
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



**FOSTERBURG ROAD (SOUTH)**

SCALE: NONE  
 STA. 800+50 to STA. 804+25



**FOSTERBURG ROAD (NORTH)**

SCALE: NONE  
 STA. 805+50 to STA. 806+50

**LEGEND**

- ① EXISTING BITUMINOUS SURFACE (5"±)
- ② EXISTING BITUMINOUS SURFACE (5.5"±)
- ③ EXISTING GRASS/AGGREGATE SHOULDER
- ④ EXISTING BOX BEAMS
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)
- ⑥ AGGREGATE SHOULDERS, TYPE B 8" (PLACED IN 4" COMPACTED LIFTS)
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (3")
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1½")
- ⑨ PROPOSED WIDENED BASE COURSE
- ⑩ PROPOSED 12" CEMENT MODIFIED BASE (24' WIDE - FOSTERBURG ROAD)
- ⑪ PULVERIZED PAVEMENT MATERIAL \*
- ⑫ THERMOPLASTIC PAVEMENT MARKING
- ⑬ AGGREGATE BASE COURSE, TYPE B (4"-6")
- ⑭ PIPE UNDERDRAINS 4"

\* NOTE: EXISTING PAVEMENT SHALL BE PULVERIZED AND STOCKPILED FOR REUSE. THE CONTRACTOR SHALL PLACE THE PULVERIZED PAVEMENT MATERIAL, MINIMUM 10.5" THICK, COMPLETE AND PRIOR TO CEMENT STABILIZATION.

PATH:s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\05-07 - proposed typical sections.dwg  
 PLOTTED: 11/30/2022 1:04:37 PM BY hargan, chris

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED - 11/30/2022
05-07 - PROPOSED TYPICAL SECTIONS.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 11/30/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED TYPICAL SECTIONS**

SCALE: N/A SHEET NO.9 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	9
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6		ILLINOIS	FED. AID PROJECT	



PIPE CULVERT REMOVAL SCHEDULE													
FROM LOCATION (STATION)	TO LOCATION (STATION)	TYPE	8"	10"	12"	15"	18"	21"	24"	30"	36"	60"	72"
			(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
50105220													
BRIGHTON BUNKER HILL ROAD													
289+39 RT	289+61 RT	CMP				22							
291+31 RT	291+60 RT	CMP				29							
292+30 RT	292+53 RT	CMP							23				
292+42 LT	292+54 RT	CMP							62				
293+26 RT	293+39 LT	CMP								61			
296+43 LT	296+70 LT	CMP		27									
297+81 LT	298+00 LT	ADS	19										
298+23 LT	298+60 LT	CMP		37									
301+10 LT	301+35 LT	CMP				25							
305+61 RT	305+87 RT	CMP				26							
305+70 LT	305+90 LT	CMP			20								
305+97 RT	306+25 RT	CMP				28							
305+99 LT	306+27 LT	CMP				28							
307+05 LT	307+26 LT	ADS			21								
308+48 LT	308+74 LT	CMP				26							
313+38 RT	313+39 LT	CMP							63				
316+04 LT	316+32 LT	CMP				28							
319+85 RT	320+39 RT	CMP				54							
322+56 LT	323+08 LT	CMP				52							
323+73 RT	324+31 LT	CMP											147
329+22 LT	329+93 LT	CMP			71								
329+72 RT	330+00 RT	CMP				28							
333+74 RT	334+02 RT	CMP							28				
337+35 LT	337+65 LT	CMP				30							
342+26 RT	342+48 LT	CMP									101		
343+94 RT	344+24 RT	CMP					30						
347+46 RT	347+76 RT	CMP						30					
353+28 RT	353+28 LT	CMP									140		
358+15 RT	358+39 RT	RCP			24								
359+36 LT	359+62 LT	CMP			26								
361+75 LT	361+94 LT	CMP				19							
361+77 RT	362+06 RT	RCP				29							
SUB-TOTALS			19	64	219	367	30	30	176	61	140	101	147
TOTAL			1,354										

PAVED DITCH REMOVAL SCHEDULE		
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	PAVED DITCH REMOVAL (FOOT)
		44004000
320+39 RT	322+65 RT	227
319+54 LT	322+54 LT	304
323+09 LT	323+92 LT	84
330+52 LT	332+48 LT	197
345+01 RT	347+00 RT	200
353+99 RT	354+99 RT	106
TOTAL		1117

GUARDRAIL REMOVAL SCHEDULE		
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	GUARDRAIL REMOVAL (L.F.)
		63200310
331+40 RT	333+85 RT	250
333+25 LT	333+80 LT	60
334+30 LT	335+40 LT	115
334+35 RT	335+05 RT	75
TOTAL		500

TREE REMOVAL SCHEDULE				
LOCATION (STATION, OFFSET/STA.)	TREE REMOVAL (6-15 UNIT DIAMETER) (UNIT)	TREE REMOVAL (OVER 15 UNIT) (UNIT)	TREE REMOVAL (ACRE)	
		20100110	20100210	20100500
BRIGHTON BUNKER HILL ROAD				
282+20	285+10		0.13	
286+72	287+33		0.02	
288+41	290+55		0.11	
288+57	38' RT	24		
288+73	39' RT	18		
298+30	46' LT	12		
298+60	44' LT	15		
306+98	33' LT	12		
313+34	31' RT	18		
313+37	30' RT	12		
319+14	49' RT	12		
319+15	49' RT	8		
320+73	324+72		0.31	
324+98	326+21		0.11	
325+26	327+13		0.18	
330+22	334+00		0.25	
332+29	333+00		0.05	
334+35	345+00		0.98	
349+70	40' RT	10		
BRIGHTON BUNKER HILL ROAD				
351+10	357+00		0.57	
359+30	36' LT	14		
359+30	36' LT	20		
359+64	35' LT	10		
359+64	35' LT	14		
360+07	36' LT	24		
361+65	37' LT	15		
TOTALS		107	131	2.75

STONE DUMPED RIPRAP SCHEDULE			
FROM LOCATION (STATION, OFFSET)	TO LOCATION (STATION, OFFSET)	CLASS A4 (SQ YD)	FILTER FABRIC (SQ YD)
		28100707	28200200
292+64 RT		31	
293+33 RT		31	
313+38 RT		24	
317+00 RT	319+96 RT	460	
319+50 LT	322+48 LT	505	
320+43 RT	324+69 RT	739	
323+18 LT	326+99 LT	689	
329+99 RT	334+00 RT	658	
332+00 LT	334+02 LT	355	
BRIDGE		910	910
342+06 RT	343+83 RT	95	
353+19 RT	355+22 RT	345	
353+27 LT		31	
TOTAL		4873	910

EROSION CONTROL SCHEDULE			
LOCATION (STATION, OFFSET)	TEMPORARY DITCH CHECKS (FOOT)	INLET AND PIPE PROTECTION (EACH)	
		28000305	28000500
BRIGHTON BUNKER HILL ROAD			
292+50.00 LT		1	
292+63.60 RT	14		
293+20.00 RT	14		
293+37.00 LT		1	
313+40.00 LT		1	
318+00.00 LT	14		
318+00.00 RT	14		
321+50.00 LT	14		
322+00.00 RT	14		
324+00.00 RT	14		
324+54.00 LT	14		
325+00.00 LT	14		
332+62.00 LT	14		
332+62.00 RT	14		
342+23.00 RT	14		
342+75.00 RT	14		
354+00.00 RT	14		
FOSTERBURG ROAD			
800+75.00 LT	14		
800+75.00 RT	14		
TOTALS		3	

EROSION CONTROL SCHEDULE			
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	PERIMETER EROSION BARRIER (FOOT)	HEAVY DUTY EROSION CONTROL BLANKET (SQ YD)
		28000400	25100635
293+25 LT	294+31 LT		342
318+00 RT	319+85 RT		284
320+00 LT	323+12 LT		1139
320+50 RT	324+89 RT		1671
323+12 LT	326+50 LT		1991
330+00 RT	333+58 RT		1009
332+25 LT	333+58 LT		450
334+60 LT	340+00 LT		1637
334+60 RT	340+00 RT		2165
334+00 LT	337+33 LT	303	
337+75 LT	341+08 LT	331	
335+00 RT	341+75 RT	700	
343+00 LT	345+50 LT	250	
348+25 RT	350+55 RT	230	
348+50 LT	352+95 LT	445	
354+00 LT	357+70 LT	475	
TOTALS		2734	10688

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PAVEMENT REMOVAL & PAVING SCHEDULE													
FROM LOCATION (STATION)	TO LOCATION (STATION)	CONSTRUCTION STAGE	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	GRADING AND SHAPING SPECIAL (SQ YD)	FULL-DEPTH RECLAMATION, 12.0" (SQ YD)	CEMENT (100 WT)	ADD ROCK (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HOT-MIX ASPHALT BINDER COURSE, 1L 19.0, N50 (TON)	HOT-MIX ASPHALT SURFACE COURSE, 1L 9.5 MIX C, N50 (TON)	TEMPORARY RAMP (SQ YD)	AGGREGATE SHOULDERS, TYPE B 8" (SQ YD)
			40600982	X0100002	LR400903	35200500	LR400015	40600275	40600290	40603080	40604050	40600990	48101600
BRIGHTON BUNKER HILL ROAD													
302+00	363+50	1	29	19,380	19,380	11,628	19,380	43,605	4,053	3,006	1,503	43	6,831
282+67	302+00	2	12	7,081	7,081	4,249	7,081	15,932	1,497	1,098	549	26	2,385
FOSTERBURG ROAD													
800+00	807+00	2	24	1,985	1,985	1,191	1,985	4,466	418	308	154	24	572
TOTALS			66	28,446	28,446	17,068	28,446	64,003	5,968	4,412	2,206	93	9,788

GUARDRAIL SCHEDULE									
LOCATION (STATION TO STATION)	STEEL PLATE BEAM GAURDRAIL, TYPE A (6' POSTS) (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS TYPE A (EACH)		
	63000001	63100045	63100167	63100169	63100085	72501000	78200005		
BRIGHTON BUNKER HILL ROAD									
320+31 RT TO 324+81 RT	350			2		2	4		
321+51 LT TO 329+36 LT	685		1	1		2	8		
329+78 LT TO 333+43 LT	300	1			1	1	4		
330+11 RT TO 333+43 RT	238			1	1	1	4		
334+70 RT TO 338+76 RT	313			1	1	1	4		
334+70 LT TO 337+39 LT	175		1		1	1	3		
337+70 LT TO 340+95 LT	263	1		1		2	4		
TOTALS		2324	2	2	6	4	10	31	

EARTHWORK						
LOCATION	CONSTRUCTION STAGE	EARTH EXCAVATION ( CUT ) (CU YD)	EMBANKMENT ( FILL ) (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	FURNISHED EXCAVATION (CU YD)	EARTHWORK BALANCE (CU YD)
		20200100			20400800	
BRIGHTON BUNKER HILL ROAD						
STA. 302+00 TO STA. 363+50	1	6,295	41,504	4,721	36,783	0
STA. 282+67 TO STA. 302+00	2	9,285	3,566	6,964	0	3,400
STA. 800+00 TO STA. 807+00						
TOTAL		15,580	45,070	11,685	36,783	3,400

ENTRANCE SCHEDULE									
LOCATION (STATION, DIRECTION)	ENTRANCE TYPE	EXIST. SURFACE TYPE	WIDTH	LENGTH	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	AGGREGATE SURFACE COURSE, TYPE B (TON)	AGGREGATE BASE COURSE, TYPE B (TON)
BRIGHTON BUNKER HILL ROAD									
286+42 RT.	P.E.	AGG	24	28		9	82	51	16
286+56 LT.	P.E.	AGG	18	58		6	57	28	11
289+50 RT.	P.E.	AGG	12	14		4	38	8	7
291+44 RT.	P.E.	AGG	12	26		4	39	16	8
291+82 RT.	P.E.	BIT	12	26	53	8	122		8
296+56 LT.	P.E.	AGG	12	46		4	39	24	8
297+91 LT.	P.E.	AGG	12	46		4	39	24	8
298+40 LT.	P.E.	AGG	17	46		5	46	39	9
301+20 LT.	P.E.	AGG	12	17		4	39	11	8
302+15 LT.	F.E.	GRASS	23	24		6	55	20	11
305+74 RT.	F.E.	GRASS	12	20		4	39	13	8
305+83 LT.	P.E.	AGG	12	20		4	39	11	8
306+14 LT.	P.E.	BIT	15	27	65	9	126		8
307+14 LT.	P.E.	AGG	12	18		4	39	12	8
308+17 LT.	P.E.	AGG	12	21		4	39	13	8
308+58 LT.	P.E.	AGG	12	19		4	39	12	8
314+40 RT.	F.E.	GRASS	12	26		4	39	13	8
316+19 LT.	P.E.	AGG	12	24		4	39	13	8
320+08 RT.	P.E.	AGG	24	29		6	57	45	11
322+80 LT.	P.E.	AGG	12	97		4	39	52	8
324+97 RT.	P.E.	AGG	15	38		3	27	32	5
329+26 RT.	P.E.	AGG	15	16		5	48	15	9
329+57 LT.	P.E.	AGG	24	26		6	57	34	11
329+83 RT.	P.E.	AGG	15	16		5	43	16	8
337+50 LT.	P.E.	AGG	22	58		6	53	58	11
341+17 LT.	P.E.	AGG	17	15		5	45	13	9
341+37 RT.	F.E.	AGG	12	31		4	39	19	8
344+12 RT.	P.E.	AGG	12	37		4	39	21	8
347+61 RT.	P.E.	AGG	12	27		4	39	16	8
358+27 RT.	P.E.	AGG	15	15		5	43	13	9
359+46 LT.	P.E.	AGG	12	18		4	39	11	8
359+91 RT.	P.E.	AGG	15	12		5	43	9	8
361+82 LT.	P.E.	AGG	17	16		5	45	14	9
361+91 RT.	P.E.	AGG	12	21		4	39	14	8
TOTALS					118	174	1,647	685	293

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STORM SEWER & PIPE CULVERT SCHEDULE

FROM STRUCTURE NO. (STATION, OFFSET)	UPSTREAM INVERT	TO STRUCTURE NO. (STATION, OFFSET)	DOWN- STREAM INVERT	SLOPE	STORM SEWER												CONTROLLED LOW- STRENGTH MATERIAL (CU YD)	TRENCH BACKFILL (CU YD)			
										CLASS A		CLASS A		CLASS A		CLASS A					
								TYPE 2	TYPE 1			TYPE 2	TYPE 2	TYPE 1							
					15" CMP (FOOT)	18" CMP (FOOT)	20"x28" ARCH CMP (FOOT)	15" CMP (FOOT)	24" RCP (FOOT)	30" RCP (FOOT)	36" RCP (FOOT)	60" RCP (FOOT)	72" RCP (FOOT)	15" RCP (FOOT)	24" RCP (FOOT)						
542C0220	542C0223	542C5479	542C1060	542A0229	542A0235	542A0241	542A1105	542A1117	550A0070	550A0120	59300100	20800150									
BRIGHTON BUNKER HILL ROAD																					
2	289+38.36	32.15 RT	625.62	3	289+62.36	32.25 RT	625.38	1.00%	24									2			
4	291+32.51	36.10 RT	620.45	5	291+64.03	38.01 RT	616.93	11.00%										3			
5	291+64.03	38.01 RT	616.93	6	292+18.76	38.33 RT	615.28	3.00%													
6	292+18.76	38.33 RT	615.28	1	292+62.98	45.61 RT	614.85	1.00%													
7	292+50.03	36.82 LT	616.73	1	292+62.98	45.61 RT	615.00	2.06%													
1	292+62.98	45.61 RT	614.85	8	292+63.50	65.18 RT	614.51	1.70%									83	50			
9	293+37.03	37.18 LT	614.32	10	293+27.03	49.00 RT	613.19	1.30%									20	41			
12	296+69.83	30.81 LT	615.39	11	296+41.87	30.82 LT	615.29	0.34%													
14	298+03.41	27.50 LT	617.84	13	297+77.02	28.02 LT	617.34	1.85%													
16	298+54.98	26.61 LT	618.79	15	298+23.28	27.30 LT	618.21	1.83%													
18	301+33.20	26.75 LT	623.10	17	301+06.20	26.27 LT	622.90	0.75%													
23	305+61.43	29.81 RT	621.31	24	305+87.53	30.08 RT	620.99	1.25%													
19	305+68.60	28.46 LT	621.20	20	305+98.00	28.23 LT	621.00	0.67%													
21	308+00.57	28.07 LT	619.78	22	308+33.43	27.91 LT	618.93	-0.80%													
25	305+98.50	30.14 RT	620.32	26	306+29.50	29.93 RT	620.14	0.60%													
27	307+00.32	28.18 LT	620.08	28	307+28.46	28.17 LT	619.83	0.90%													
29	308+42.00	27.94 LT	618.81	30	308+74.86	27.78 LT	618.56	0.76%													
31	313+40.00	32.46 LT	612.50	32	313+40.00	35.46 RT	611.50	1.50%													
33	316+06.52	24.37 LT	613.40	34	316+32.23	24.53 LT	613.15	0.98%													
35	319+84.12	40.82 RT	601.19	36	320+32.66	43.29 RT	600.93	0.53%													
37	322+47.33	75.00 LT	582.43	38	323+18.37	80.88 LT	579.09	4.60%													
39	323+40.00	87.00 RT	572.00	40	324+48.00	96.00 LT	567.00	2.37%													
42	325+09.92	39.00 RT	591.28	41	324+65.80	59.72 RT	586.43	11.30%													
43	329+38.82	26.36 LT	595.09	44	329+77.19	26.18 LT	594.42	1.75%													
45	329+71.63	25.49 RT	594.67	46	329+99.20	34.91 RT	593.02	6.00%													
48	342+51.00	50.50 LT	564.50	47	342+25.00	60.40 RT	560.09	3.87%													
50	344+30.48	36.57 RT	576.93	49	343+81.76	44.12 RT	573.04	8.00%													
52	347+78.19	29.70 RT	589.15	51	347+42.19	28.22 RT	588.62	1.48%													
54	353+27.84	74.00 RT	591.00	53	353+27.84	82.45 LT	590.00	0.64%													
56	358+40.56	31.79 RT	619.14	55	358+12.54	31.18 RT	618.83	1.10%													
57	359+33.5	36.80 LT	618.23	58	359+58.50	35.00 LT	618.91	2.73%													
59	361+75.44	29.15 RT	620.61	60	362+07.04	30.17 RT	620.33	0.88%													
61	337+71.43	35.36 LT	564.55	62	337+29.43	39.22 LT	564.16	0.93%													
TOTAL									581	92	29	42	56	87	157	114	211	130	103	784	91

LOCATION	STRUCTURE NO.	ELEVATIONS		INLETS TYPE B	MANHOLE TYPE A (5" DIA.)
		TOP OF STRUCTURE	INVERT		
		TYPE I FRAME (OPEN)	TYPE I FRAME (CLOSED LID)		
STATION	OFFSET			60240210	60221100
BRIGHTON BUNKER HILL ROAD					
291+64.04	38.11 RT	5	619.75	616.93	1
292+18.79	38.33 RT	6	618.00	615.28	1
292+60.92	45.61 RT	1	619.00	614.85	1
TOTAL					

LOCATION (STATION, OFFSET)	INVERT	STRUCTURE NO.	PRECAST REINFORCED CONCRETE FLARED END SECTIONS				END SECTIONS	
			15"	24"	30"	36"	60"	72"
			54213660	54213669	54213675	54213681	54213495	54213507
BRIGHTON BUNKER HILL ROAD								
291+32.51	36.10 RT	4	1					
292+50.03	36.82 LT	7		1				
292+63.50	65.18 RT	8		1				
293+37.03	37.18 LT	9			1			
293+27.03	48.08 RT	10			1			
313+40.00	32.46 LT	31		1				
313+40.00	35.46 RT	32		1				
323+33.00	96.90 RT	39					1	
324+56.00	110.43 LT	40					1	
342+53.00	59.16 LT	48					1	
342+25.00	64.83 RT	47					1	
353+27.84	74.00 RT	53					1	
353+27.84	82.45 LT	54					1	
TOTAL			1	4	2	2	2	

NOTE: LOCATIONS AND INVERTS SHOWN IN SCHEDULE INDICATE CENTER OF FLARED END ON FES.

FILE NAME = 08-11 - SCHEDULES.DWG  
 USER NAME = Horgan, Chris  
 DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: N/A SHEET NO. 12 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 12
CONTRACT NO. 93795			FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT	



PIPE UNDERDRAINS						
STATION TO STATION		SIDE	CONCRETE HEADWALLS FOR PIPE UNDER DRAINS (EACH)	PIPE UNDERDRAINS TYPE 1, 4" (FOOT)	PIPE UNDERDRAINS 4" (SPECIAL) (FOOT)	
			60100060	60108104	60108100	
286+50	to	287+90	LT		140	
286+50	to	287+90	RT		140	
286+50	to	286+50	LT	1	15	
286+50	to	286+50	RT	1	15	
287+91	to	292+35	LT		444	
287+91	to	292+35	RT		444	
292+35	to	292+35	LT	1	15	
292+35	to	292+35	RT	1	15	
293+30	to	295+42.73	LT		212	
293+30	to	295+42.73	RT		212	
295+42.73	to	295+42.73	LT	1	30	
295+42.73	to	295+42.73	RT	1	30	
295+42.73	to	302+75.67	LT		733	
295+42.73	to	302+75.67	RT		733	
299+00	to	299+00	LT	1	15	
299+00	to	299+00	RT	1	15	
302+75.67	to	324+98.76	LT		2,223	
302+75.67	to	324+98.76	RT		2,223	
305+00	to	305+00	LT	1	15	
305+00	to	305+00	RT	1	15	
310+00	to	310+00	LT	1	15	
310+00	to	310+00	RT	1	15	
315+00	to	315+00	LT	1	15	
315+00	to	315+00	RT	1	15	
320+00	to	320+00	LT	1	15	
320+00	to	320+00	RT	1	15	
324+98.76	to	324+98.76	LT	1	30	
324+98.76	to	324+98.76	RT	1	30	
SUB-TOTAL				18	7,504	330

PIPE UNDERDRAINS (CONTINUED)						
STATION TO STATION		SIDE	CONCRETE HEADWALLS FOR PIPE UNDER DRAINS (EACH)	PIPE UNDERDRAINS TYPE 1, 4" (FOOT)	PIPE UNDERDRAINS 4" (SPECIAL) (FOOT)	
			60100060	60108104	60108100	
324+98.76	to	327+38.71	LT		240	
324+98.76	to	327+38.71	RT		240	
327+38.71	to	334+50	LT		712	
327+38.71	to	334+50	RT		712	
333+00	to	334+50	LT	1	30	
333+00	to	334+50	RT	1	30	
333+50	to	333+50	LT	1		
333+50	to	333+50	RT	1		
334+58	to	334+58	LT	1		
334+58	to	334+58	RT	1		
335+00	to	338+56	LT		356	
335+00	to	338+56	RT		356	
335+00	to	338+56	LT	1	30	
335+00	to	338+56	RT	1	30	
338+56.09	to	338+56.09	LT	1	30	
338+56.09	to	338+56.09	RT	1	30	
338+56.09	to	357+00	LT		1,844	
338+56.09	to	362+50	RT		2,394	
343+00	to	343+00	LT	1	15	
343+00	to	343+00	RT	1	15	
348+00	to	348+00	LT	1	15	
348+00	to	348+00	RT	1	15	
353+00	to	353+00	LT	1	15	
353+00	to	353+00	RT	1	15	
358+00	to	358+00	RT	1	15	
359+00	to	362+50	LT		350	
359+00	to	359+00	LT	1	15	
SUB-TOTAL				18	7,204	300
TOTALS				36	14,708	630

RAISED REFLECTIVE PAVEMENT MARKERS				
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	ONE WAY CRYSTAL (EA)	ONE WAY AMBER (EA)	TWO WAY AMBER (EA)
78100100				
282+67	287+04.0			18
287+04.5	291+27.6		11	
287+04.5	291+27.6		11	
291+27.6	292+47.6			6
291+27.6	292+47.6	3		
293+30.0	294+50.0			6
293+30.0	294+50.0	3		
294+50.0	299+30.0		12	
294+50.0	299+30.0		12	
299+30.0	351+81.0			75
351+81.3	356+61.3		12	
351+81.3	356+61.3		12	
356+61.3	357+81.3			6
356+61.3	357+81.3	3		
358+43.0	361+50.0		9	
358+43.0	361+50.0		10	
361+50.0	362+50.0			6
SUB-TOTALS		9	89	117
TOTALS			215	

PAVEMENT MARKING SCHEDULE							
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKINGS				
			LETTERS & SYMBOLS (SQ FT)	4" SOLID WHITE LINE (FOOT)	4" SOLID YELLOW LINE (FOOT)	12" SOLID YELLOW LINE (FOOT)	
282+67	LT	292+47	LT	NO PASSING			
282+67	RT	292+47	RT	NO PASSING			
282+67	LT	292+37	LT	EDGE OF PAVEMENT		971	
282+67	RT	285+95	RT	EDGE OF PAVEMENT		328	
286+88	RT	292+28	RT	EDGE OF PAVEMENT		540	
287+04		291+27		DIAGONAL @ 20' CENTERS			151
287+04	LT	291+27	LT	NO PASSING			425
287+04	RT	291+27	RT	NO PASSING			426
291+27	LT	291+35	RT	LEFT ARROW	16		
291+27	RT	292+47	RT	TURN LANE DIVISION		120	
392+19	RT	292+27	RT	LEFT ARROW	16		
293+30	LT	294+50	LT	TURN LANE DIVISION		120	
293+30	LT	309+50	LT	NO PASSING			1620
293+30	RT	300+50	RT	NO PASSING			720
293+30	LT	257+14	LT	EDGE OF PAVEMENT		6385	
293+50	RT	362+50	RT	EDGE OF PAVEMENT		6900	
293+47	LT	293+55	LT	RIGHT ARROW	16		
294+42	LT	294+50	LT	RIGHT ARROW	16		
294+50		299+30		DIAGONAL @ 20' CENTERS			148
294+50	LT	299+30	LT	NO PASSING			482
294+50	RT	299+30	RT	NO PASSING			482
300+50		311+50		SKIP DASH 10' STRIPE, 30' GAP			280
311+50		320+50		SKIP DASH 10' STRIPE, 30' GAP			230
311+50	RT	328+00	RT	NO PASSING			1650
320+50	LT	336+50	LT	NO PASSING			1600
336+50		351+25		SKIP DASH 10' STRIPE, 30' GAP			370
351+25	LT	357+81	LT	NO PASSING			656
351+25	RT	357+81	RT	NO PASSING			657
351+81		356+61		DIAGONAL @ 20' CENTERS			149
351+81	LT	356+61	LT	NO PASSING			483
351+81	RT	356+61	RT	NO PASSING			482
356+61	RT	356+69	RT	LEFT ARROW	16		
356+61	RT	357+81	RT	TURN LANE DIVISION		120	
357+56	RT	357+64	RT	LEFT ARROW	16		
358+43	LT	362+50	LT	NO PASSING			412
358+43	LT	361+50	LT	NO PASSING			312
358+43	RT	362+50	RT	NO PASSING			412
358+43	RT	361+50	RT	NO PASSING			312
358+43		361+50		DIAGONAL @ 20' CENTERS			84
358+90	LT	362+50	LT	EDGE OF PAVEMENT		359	
800+00	RT	807+00	RT	EDGE OF PAVEMENT		576	
800+00	LT	807+00	LT	EDGE OF PAVEMENT		576	
SUB-TOTALS						16995	13973
TOTALS					94	30968	531

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

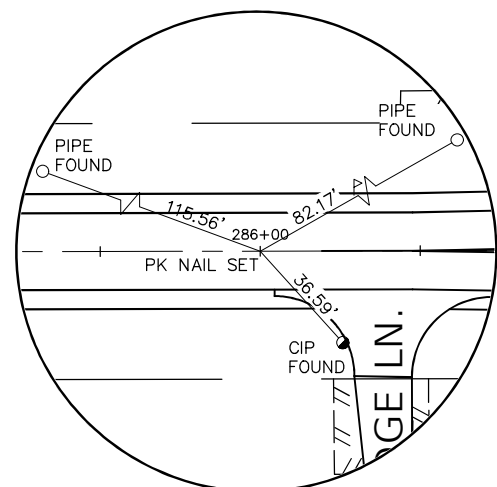
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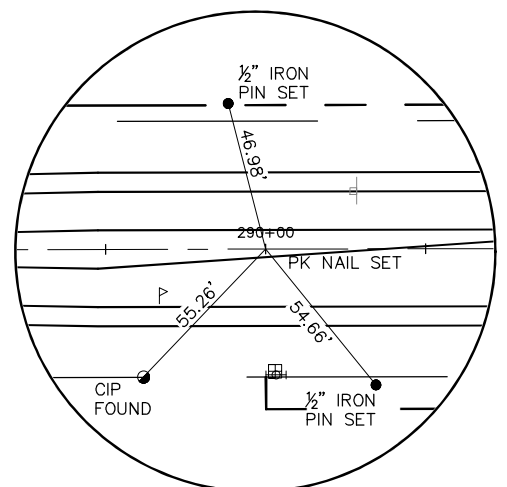
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CONTRACT NO. 93795			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT	



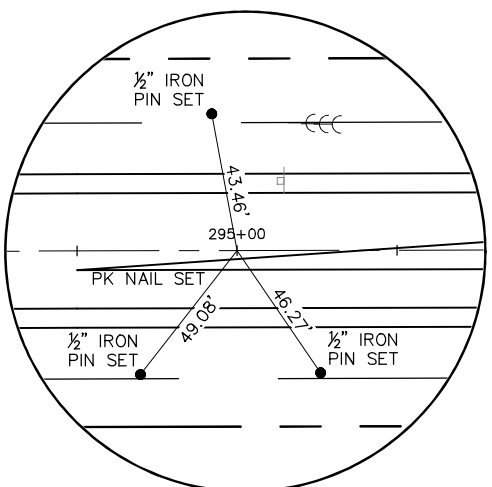
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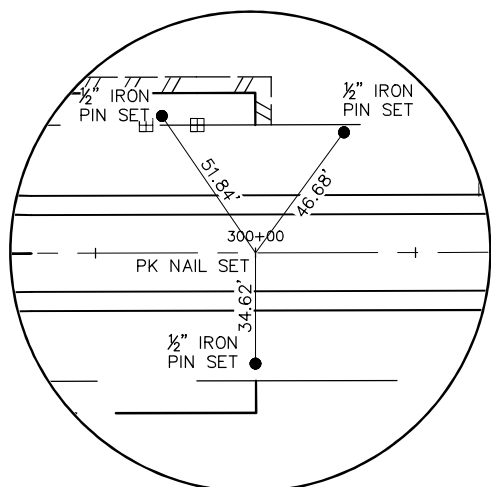
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 STA. = 286+00



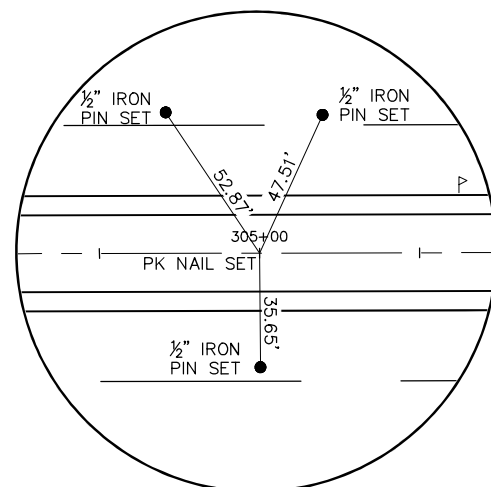
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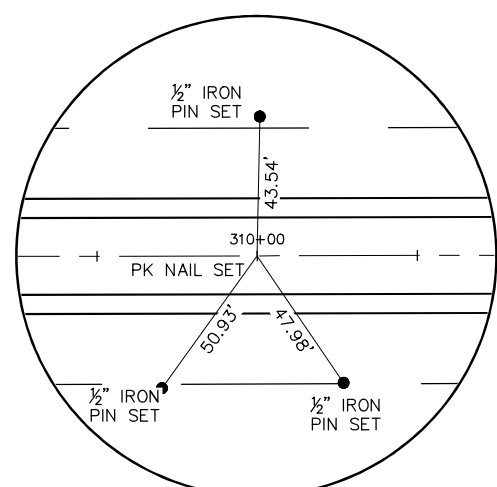
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 STA. = 295+00



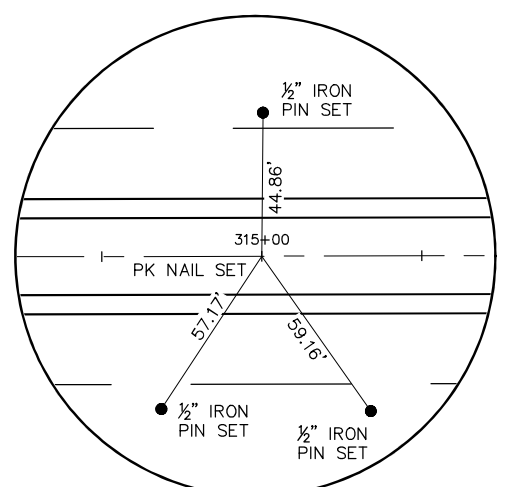
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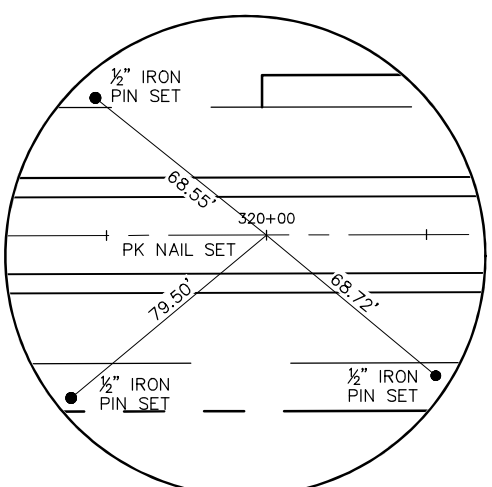
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 STA. = 305+00



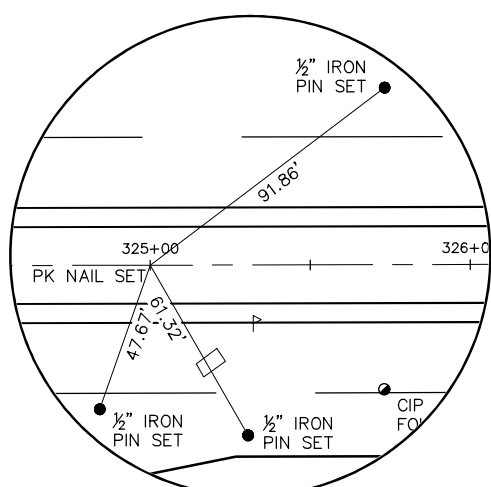
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 STA. = 310+00



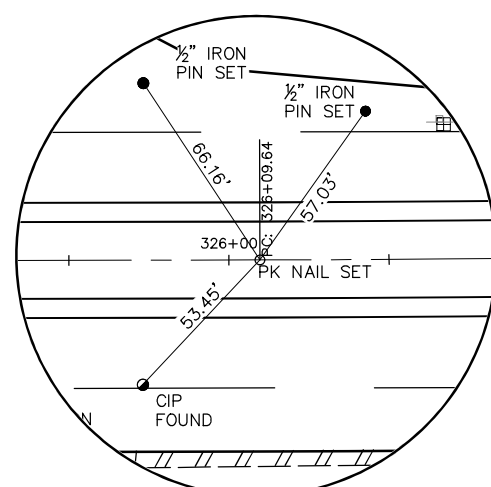
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 STA. = 315+00



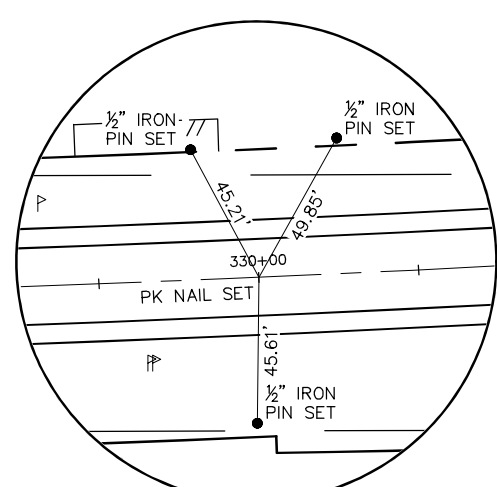
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 STA. = 320+00



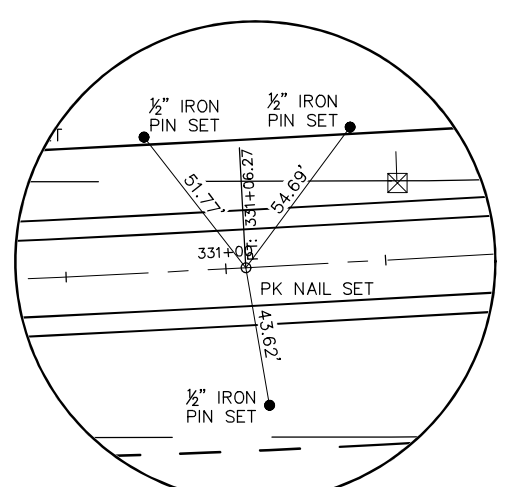
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 STA. = 325+00



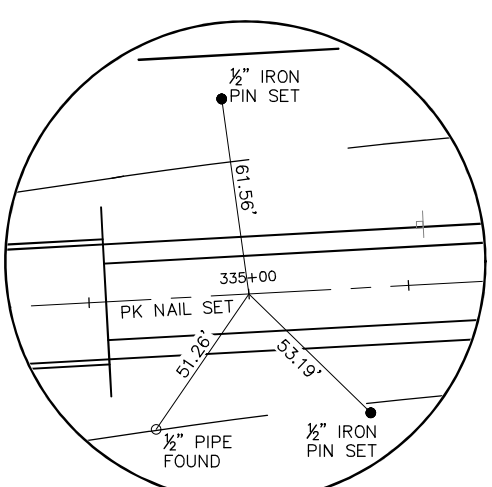
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 PC STA. = 326+09.64



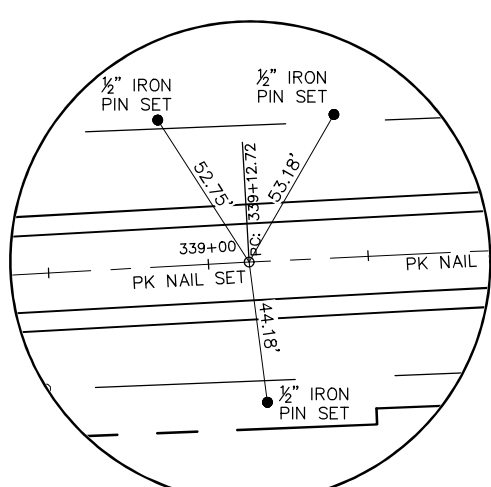
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 STA. = 330+00



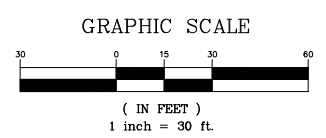
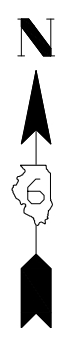
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 PT STA. = 331+06.27



**CONTROL POINT #13**  
 BRIGHTON BUNKER HILL ROAD  
 STA. = 335+00



**CONTROL POINT #14**  
 BRIGHTON BUNKER HILL ROAD  
 STA. = 339+12.72



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USER NAME = Hargan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

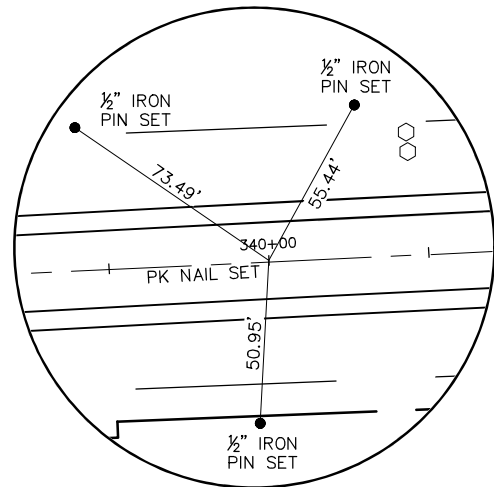
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REFERENCE TIES

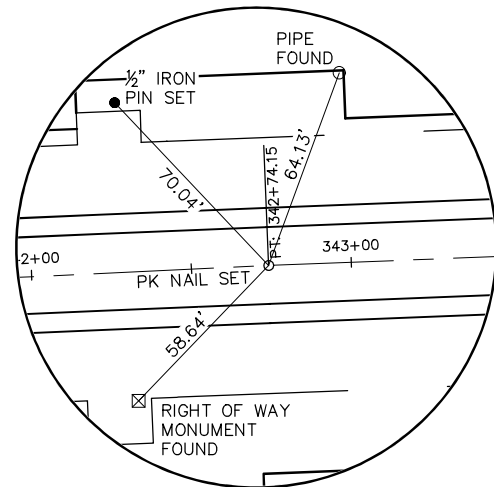
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

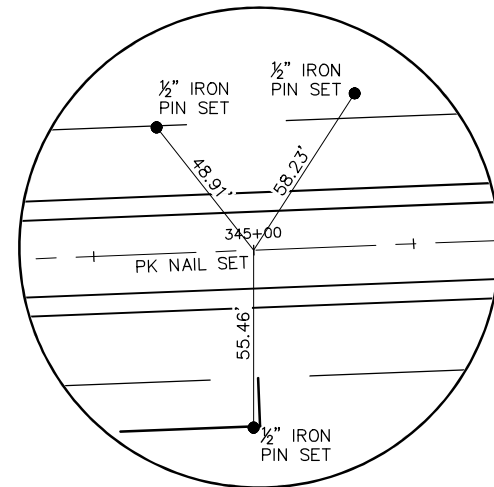




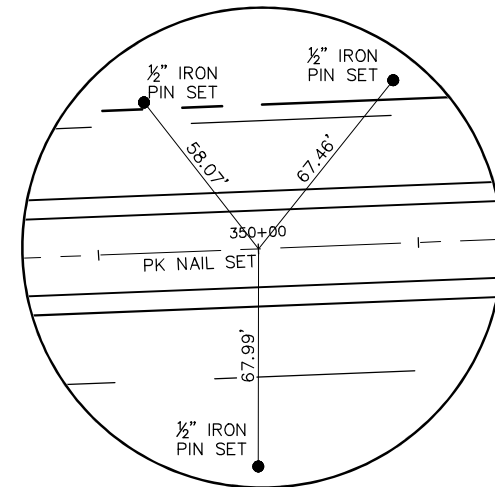
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STA. = 340+00



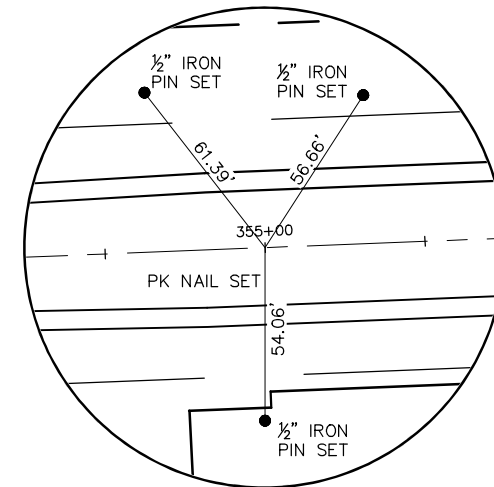
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PT STA. = 342+74.15



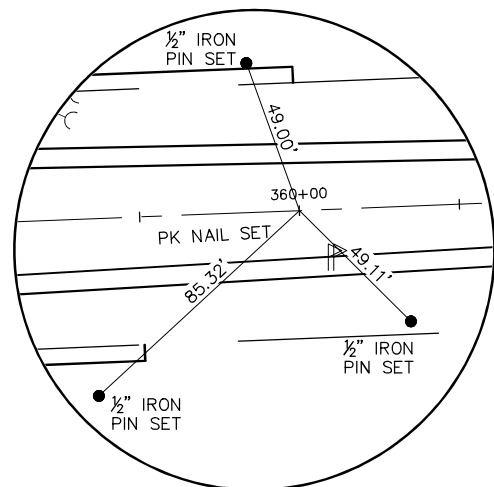
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STA. = 345+00



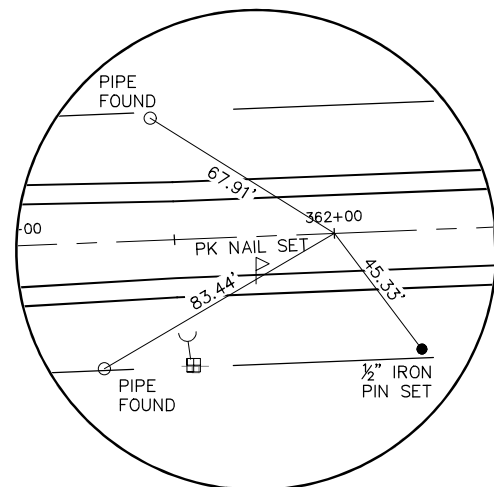
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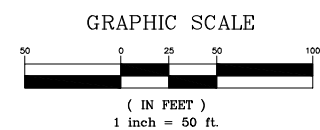
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BRIGHTON BUNKER HILL ROAD  
STA. = 355+00



**CONTROL POINT #20**  
BRIGHTON BUNKER HILL ROAD  
STA. = 360+00



**CONTROL POINT #21**  
BRIGHTON BUNKER HILL ROAD  
STA. = 362+00



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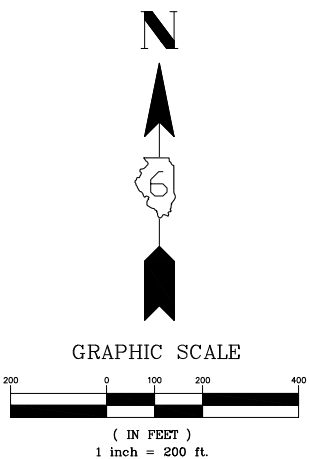
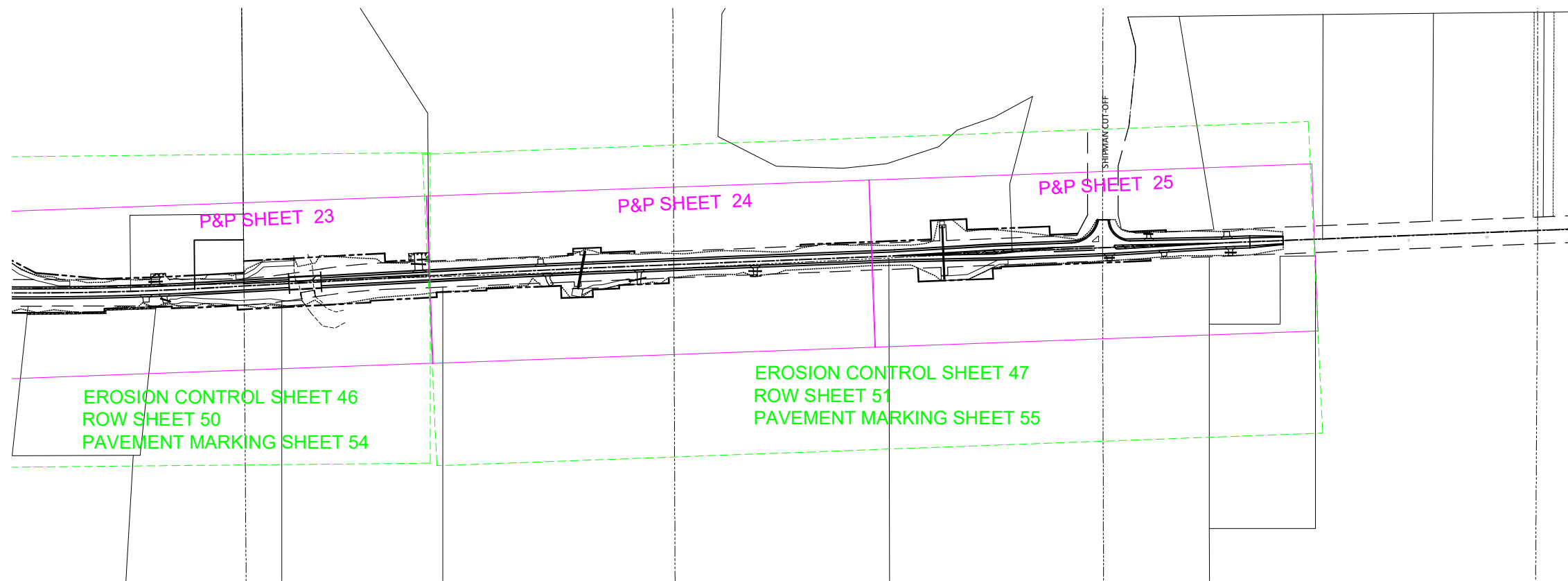
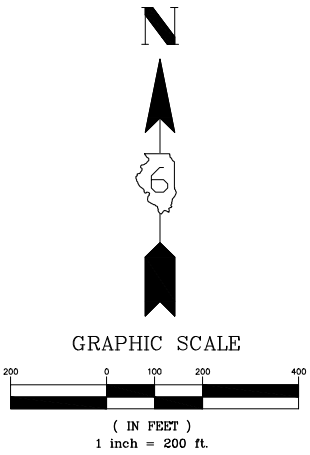
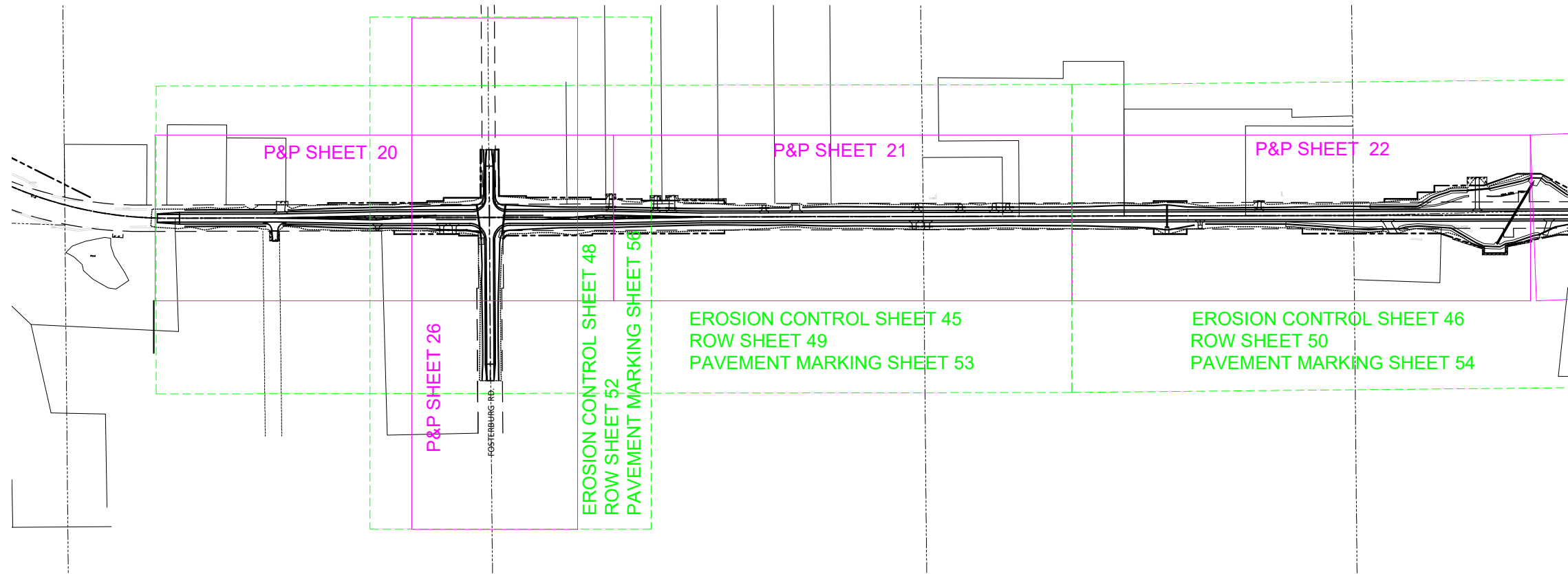
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		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REFERENCE TIES

SCALE: 1"=50' SHEET NO.16 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	16
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



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

**KEY MAP**  
 SCALE: 1"=200' SHEET NO.17 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	17
CONTRACT NO. 93795				
<small>FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT</small>				

**INTENDED STAGE I ITINERARY STA 302+00 TO 363+50**

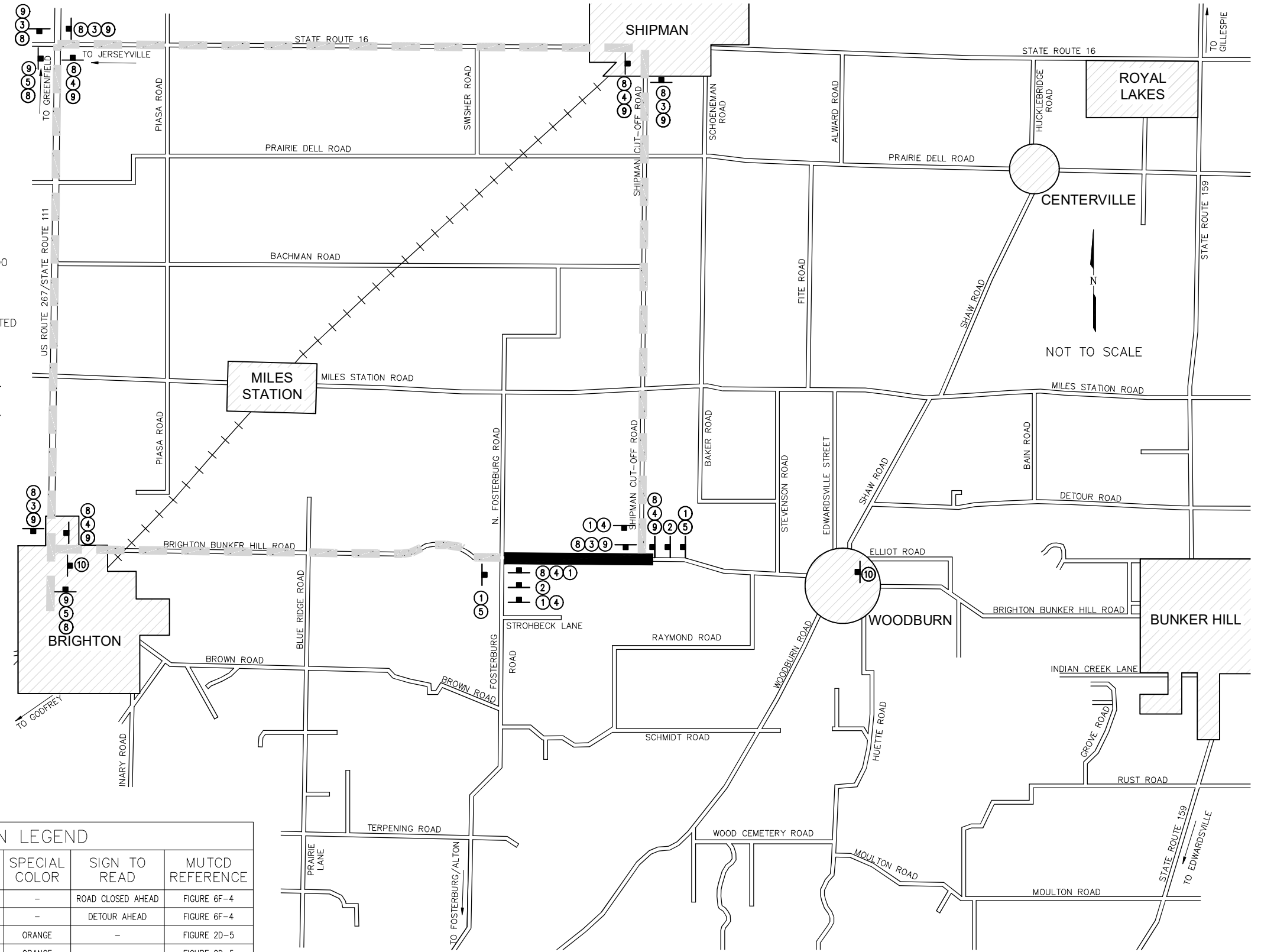
1. IMPLEMENT ALL TRAFFIC CONTROL DEVICES ACCORDING TO THIS STAGING/TRAFFIC CONTROL PLAN, ANY APPLICABLE IDOT HIGHWAY STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS NEEDED.
2. CONTRACTOR SHALL COORDINATE WITH LAND OWNERS AND PROVIDE ACCESS AT ALL TIMES
3. REMOVE/REPLACE/INSTALL ANY DRAINAGE APPURTENANCES AS DETAILED IN THESE PLANS.
4. CONDUCT TREE REMOVAL OPERATIONS WHERE POSSIBLE.
5. IMPLEMENT EROSION CONTROL AND TEMPORARY SEEDING IN DISTURBED AREAS.
6. CONSTRUCT BRIDGE.
7. PULVERIZE EXISTING PAVEMENT MATERIAL WHERE ROADWAY EXCAVATION OR EMBANKMENT IS SHOWN PER PLANS, FROM STA. 318+00 TO STA. 340+00 STOCKPILE PULVERIZED PAVEMENT MATERIAL ADJACENT TO THE EXISTING ROADWAY FOR DISTRIBUTION/REUSE IN STAGE 2 CONSTRUCTION.
8. CONDUCT ANY NECESSARY EARTHWORK TO LOWER/RAISE ROADWAY FROM STA. 318+00 TO STA. 340+00 AND TREE REMOVAL OPERATIONS.
9. EXCAVATE FOR ROADWAY BASE WIDENING ( APPLICABLE).
10. HAUL AND PLACE STOCKPILED PULVERIZED PAVEMENT MATERIAL IN THE AREA DESIGNATED ON NOTE 7 ABOVE. GRADE THIS MATERIAL WHERE NEEDED TO HELP ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE.
11. PULVERIZE AND REDISTRIBUTE/REUSE EXISTING PAVEMENT MATERIAL WHERE NEEDED TO HELP ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE. THIS WORK SHALL BE PERFORMED WHILE MAINTAINING ONE LANE OF THROUGH TRAFFIC.
12. PROVIDE AND PLACE AGGREGATE WHERE NEEDED TO ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE.
13. PERFORM CEMENT STABILIZATION ON ROADWAY BASE MATERIALS AND SUBGRADE.
14. PLACE HOT-MIX ASPHALT BINDER COURSE AND SURFACE COURSE ON ROADWAY. THIS WORK SHALL BE PERFORMED WHILE MAINTAINING ONE LANE OF THROUGH TRAFFIC.
15. MAINTAIN/REPAIR EROSION CONTROL DEVICES AND APPLY TEMPORARY SEEDING WHERE NECESSARY.

**NOTES:**

1. ILLUSTRATION NOT TO SCALE.
2. ALL TRAFFIC CONTROL SIGNS/DEVICES SHALL CONFORM TO AND BE PLACED/IMPLEMENTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
3. ANY ROAD CLOSED TO THRU TRAFFIC SIGNS (STAGE CONSTRUCTION DETOUR SIGN #10 LISTED BELOW) SHALL BE ATTACHED TO A TYPE III BARRICADE PER IDOT STANDARD 701901 AND PLACED IN THE APPROPRIATE LANE TO DETER TRAFFIC FROM THE CONSTRUCTION ZONE.
4. CONTRACTOR SHALL IMPLEMENT A REDUCED SPEED LIMIT TO 40 M.P.H. IN/NEAR THE CONSTRUCTION ZONE DURING ALL PAVING AND SHOULDER WORK OPERATIONS IN STAGE III AND STAGE IV CONSTRUCTION. IF THE CONTRACTOR OPTS TO IMPLEMENT THE TYPICAL 10 M.P.H. SPEED REDUCTION OR PLACE AGGREGATE SHOULDER LIFTS IN STAGE IV CONSTRUCTION ONLY, EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING WILL NEED TO BE IMPLEMENTED ACCORDING TO ARTICLE 701.07 OF THE CURRENT IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. ARTICLE 701.07 SHALL GOVERN AT ALL TIMES DURING TYPICAL SPEED REDUCTIONS.

**STAGE CONSTRUCTION DETOUR SIGN LEGEND**

SIGN NUMBER	SIGN DESCRIPTION	MUTCD SIGN TYPE	MUTCD SIGN DESIGNATION	SIGN SIZE	SPECIAL COLOR	SIGN TO READ	MUTCD REFERENCE
①	ROAD CLOSED (DIST.)	TRAFFIC CONTROL ZONE WARNING SIGN	W20-3	48x48	-	ROAD CLOSED AHEAD	FIGURE 6F-4
②	DETOUR (DIST.)	TRAFFIC CONTROL ZONE WARNING SIGN	W20-2	48x48	-	DETOUR AHEAD	FIGURE 6F-4
③	DIRECTION - LEFT	DIRECTIONAL ARROW AUXILIARY SIGN	M5-1(L)	21x15	ORANGE	-	FIGURE 2D-5
④	DIRECTION - RIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M5-1(R)	21x15	ORANGE	-	FIGURE 2D-5
⑤	DIRECTION - STRAIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-3	21x15	ORANGE	-	FIGURE 2D-5
⑥	DIRECTION - ANGLE RIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-2(R)	21x15	ORANGE	-	FIGURE 2D-5
⑦	DIRECTION - ANGLE LEFT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-2(L)	21x15	ORANGE	-	FIGURE 2D-5
⑧	DETOUR SIGN	EXIT/DETOUR CLOSURE SIGN	M4-8	24x12	-	DETOUR	FIGURE 6F-5
⑨	STREET NAME SIGN	GUIDE SIGN	D3-1	36x12	-	BRIGHTON BUNKER HILL	FIGURE 2D-8
⑩	ROAD CLOSED THRU TRAFFIC	TRAFFIC CONTROL ZONE REGULATORY SIGN	R11-3a	60x30	-	ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY	FIGURE 6F-3



LAYOUT OF TRAFFIC CONTROL SIGNAGE/DEVICES PER IDOT HIGHWAY STANDARDS AND PROJECT SPECIFICATIONS FOR STAGE I CONSTRUCTION.

**LEGEND:**  
 CONSTRUCTION ZONE (CLOSED TO THRU TRAFFIC)  
 DETOUR ROUTE

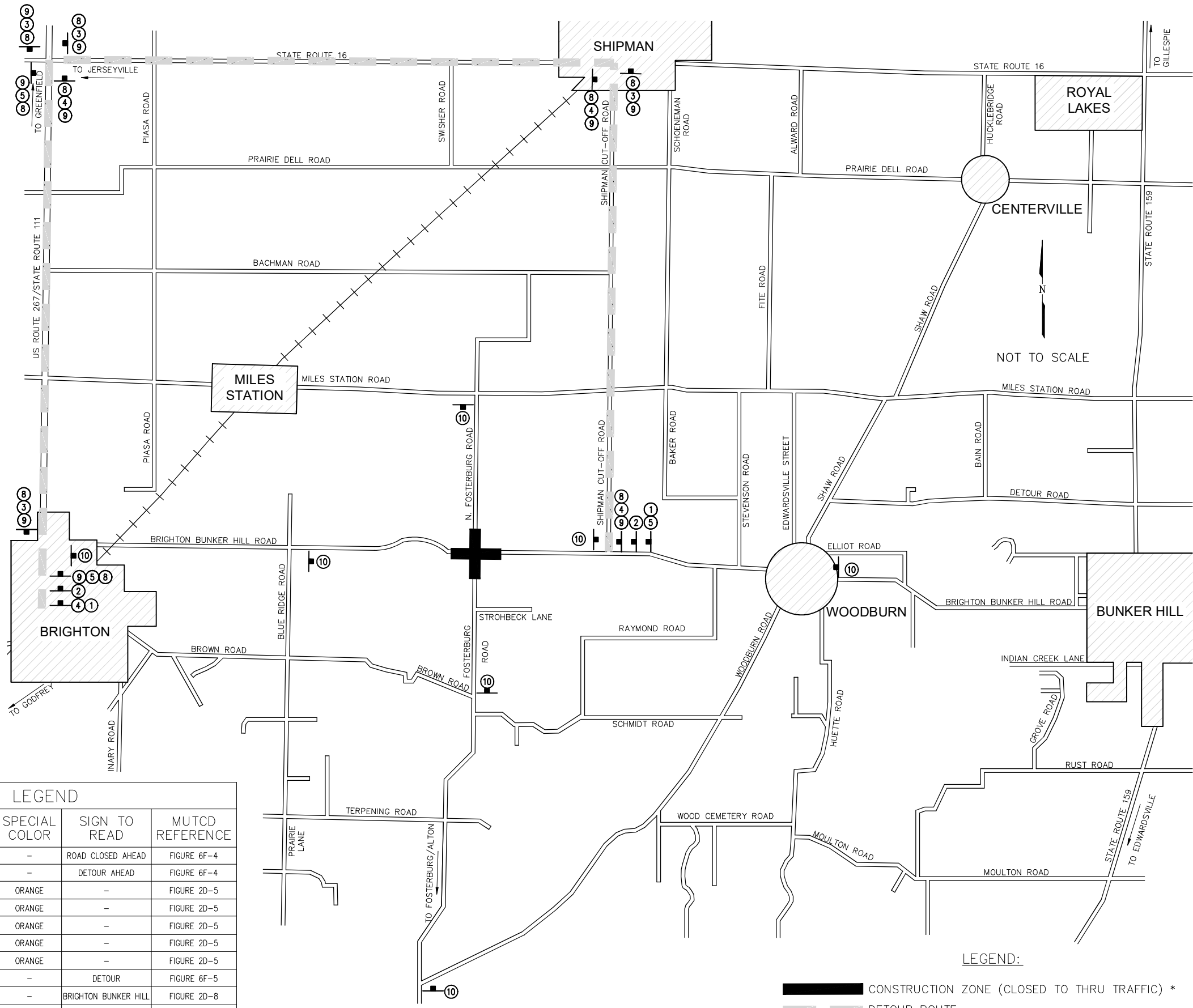
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 PLOTTED: 9/29/2022 @ 1:26:08 PM BY hargan, chris

**INTENDED STAGE 2 ITINERARY (STA. 282+67 TO 302+00):**

- IMPLEMENT ALL TRAFFIC CONTROL DEVICES ACCORDING TO THIS STAGING/TRAFFIC CONTROL PLAN, ANY APPLICABLE IDOT HIGHWAY STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS NEEDED.
- CONTRACTOR SHALL COORDINATE WITH LAND OWNERS AND PROVIDE ACCESS AT ALL TIMES.
- PULVERIZE EXISTING PAVEMENT MATERIAL WHERE ROADWAY EXCAVATION OR EMBANKMENT IS SHOWN PER PLANS, FROM STA. 282+67 TO STA. 302+00. STOCKPILE PULVERIZED PAVEMENT MATERIAL ON THE EXISTING ROADWAY FOR DISTRIBUTION/REUSE IN STAGE 2 CONSTRUCTION.
- CONDUCT ANY NECESSARY EARTHWORK TO LOWER/RAISE THE ROADWAY FROM STA. 282+67 TO STA. 302+00 AND TREE REMOVAL OPERATIONS.
- IMPLEMENT EROSION CONTROL AND TEMPORARY SEEDING IN DISTURBED AREAS.
- EXCAVATE FOR ROADWAY BASE WIDENING (WHERE APPLICABLE).
- HAUL AND PLACE STOCKPILED PULVERIZED PAVEMENT MATERIAL IN THE AREA DESIGNATED ON NOTE 3 ABOVE. GRADE THIS MATERIAL WHERE NEEDED TO HELP ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE.
- PULVERIZE AND REDISTRIBUTE/REUSE EXISTING PAVEMENT MATERIAL WHERE NEEDED TO HELP ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE. THIS EXCLUDES THE AREA DESIGNATED IN NOTE 3. THIS WORK SHALL BE PERFORMED WHILE MAINTAINING ONE LANE OF THROUGH TRAFFIC.
- PROVIDE AND PLACE AGGREGATE WHERE NEEDED TO ACHIEVE THE PROPOSED ROADWAY PROFILE GRADE AND PAVEMENT CROSS SLOPE.
- PERFORM CEMENT STABILIZATION ON ROADWAY BASE MATERIALS AND SUBGRADE.
- PLACE HOT-MIX ASPHALT BINDER COURSE AND SURFACE COURSE ON ROADWAY. THIS WORK SHALL BE PERFORMED WHILE MAINTAINING ONE LANE OF THROUGH TRAFFIC.
- MAINTAIN/REPAIR EROSION CONTROL DEVICES AND APPLY TEMPORARY SEEDING WHERE NECESSARY.

**NOTES:**

- ILLUSTRATION NOT TO SCALE.
- ALL TRAFFIC CONTROL SIGNS/DEVICES SHALL CONFORM TO AND BE PLACED/IMPLEMENTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
- ANY ROAD CLOSED TO THRU TRAFFIC SIGNS (STAGE CONSTRUCTION DETOUR SIGN #10 LISTED BELOW) SHALL BE ATTACHED TO A TYPE III BARRICADE PER IDOT STANDARD 701901 AND PLACED IN THE APPROPRIATE LANE TO DETER TRAFFIC FROM THE CONSTRUCTION ZONE.
- CONTRACTOR SHALL IMPLEMENT A REDUCED SPEED LIMIT TO 40 M.P.H. IN/NEAR THE CONSTRUCTION ZONE DURING ALL PAVING AND SHOULDER WORK OPERATIONS IN STAGE III AND STAGE IV CONSTRUCTION. IF THE CONTRACTOR OPTS TO IMPLEMENT THE TYPICAL 10 M.P.H. SPEED REDUCTION OR PLACE AGGREGATE SHOULDER LIFTS IN STAGE IV CONSTRUCTION ONLY, EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING WILL NEED TO BE IMPLEMENTED ACCORDING TO ARTICLE 701.07 OF THE CURRENT IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. ARTICLE 701.07 SHALL GOVERN AT ALL TIMES DURING TYPICAL SPEED REDUCTIONS.



**STAGE CONSTRUCTION DETOUR SIGN LEGEND**

SIGN NUMBER	SIGN DESCRIPTION	MUTCD SIGN TYPE	MUTCD SIGN DESIGNATION	SIGN SIZE	SPECIAL COLOR	SIGN TO READ	MUTCD REFERENCE
①	ROAD CLOSED (DIST.)	TRAFFIC CONTROL ZONE WARNING SIGN	W20-3	48x48	-	ROAD CLOSED AHEAD	FIGURE 6F-4
②	DETOUR (DIST.)	TRAFFIC CONTROL ZONE WARNING SIGN	W20-2	48x48	-	DETOUR AHEAD	FIGURE 6F-4
③	DIRECTION - LEFT	DIRECTIONAL ARROW AUXILIARY SIGN	M5-1(L)	21x15	ORANGE	-	FIGURE 2D-5
④	DIRECTION - RIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M5-1(R)	21x15	ORANGE	-	FIGURE 2D-5
⑤	DIRECTION - STRAIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-3	21x15	ORANGE	-	FIGURE 2D-5
⑥	DIRECTION - ANGLE RIGHT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-2(R)	21x15	ORANGE	-	FIGURE 2D-5
⑦	DIRECTION - ANGLE LEFT	DIRECTIONAL ARROW AUXILIARY SIGN	M6-2(L)	21x15	ORANGE	-	FIGURE 2D-5
⑧	DETOUR SIGN	EXIT/DETOUR CLOSURE SIGN	M4-8	24x12	-	DETOUR	FIGURE 6F-5
⑨	STREET NAME SIGN	GUIDE SIGN	D3-1	36x12	-	BRIGHTON BUNKER HILL	FIGURE 2D-8
⑩	ROAD CLOSED THRU TRAFFIC	TRAFFIC CONTROL ZONE REGULATORY SIGN	R11-3a	60x30	-	ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY	FIGURE 6F-3

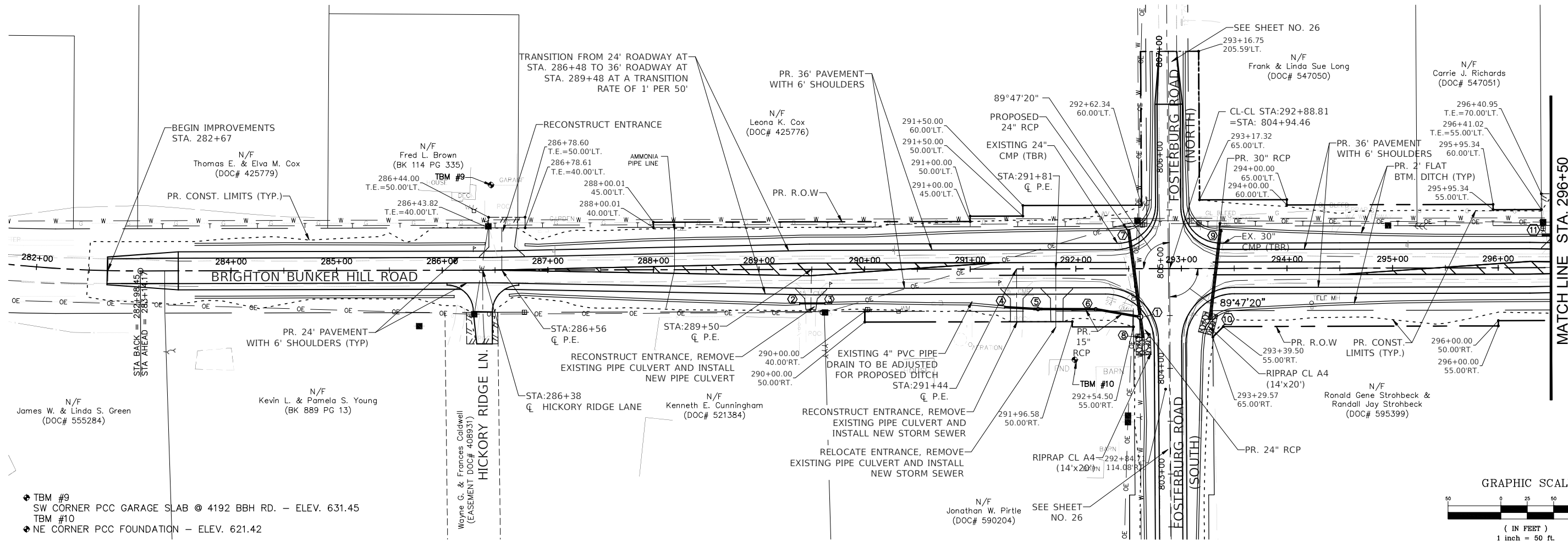
**LEGEND:**

- CONSTRUCTION ZONE (CLOSED TO THRU TRAFFIC) \*
- - - - - DETOUR ROUTE

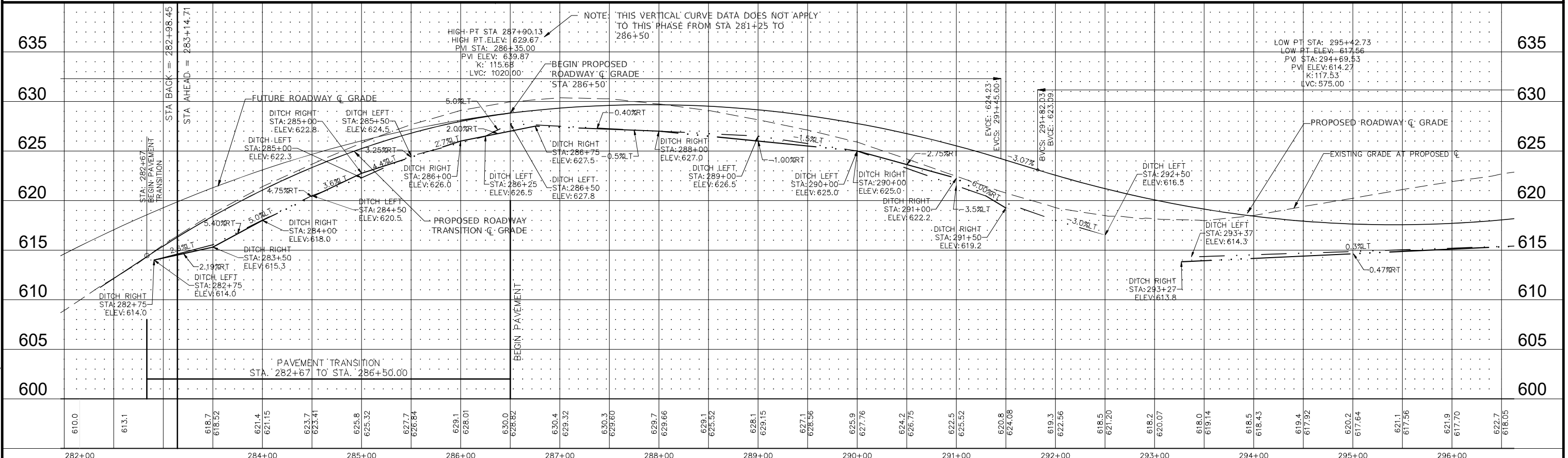
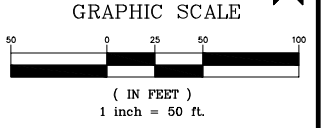
\* DURING AND AFTER CEMENT STABILIZATION UNTIL HMA BINDER IS PLACED.

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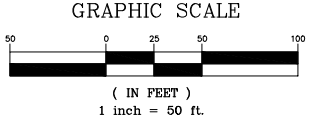
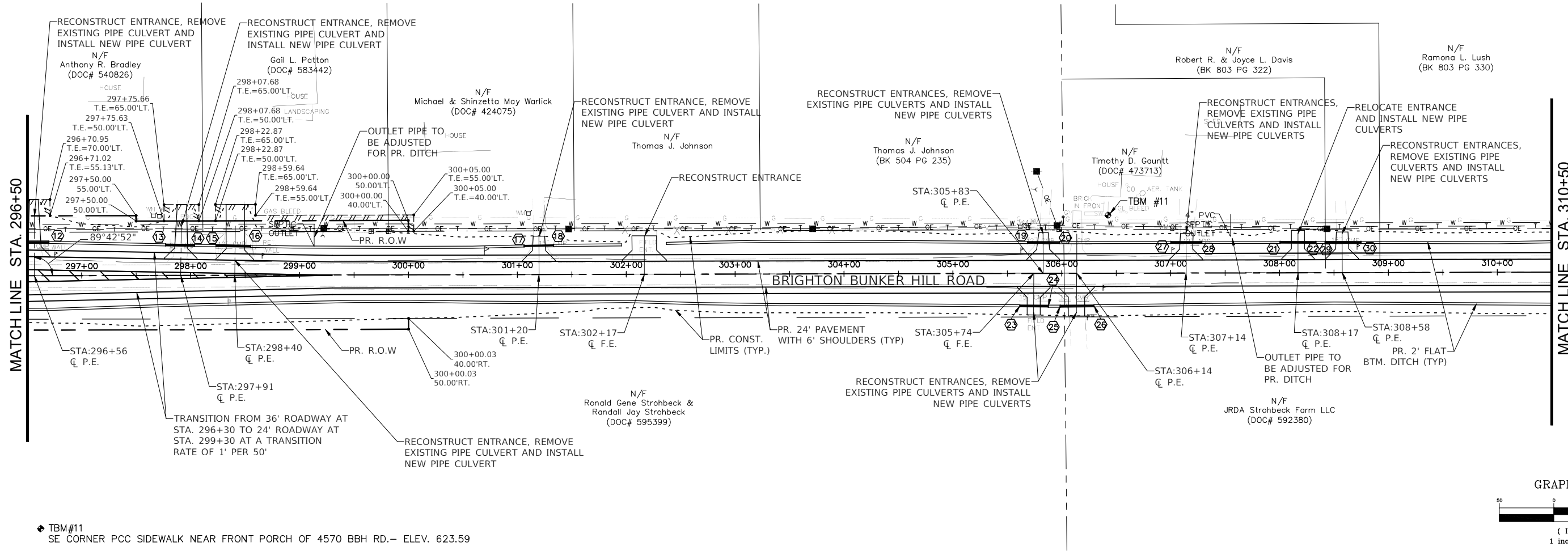


- ◆ TBM #9  
SW CORNER PCC GARAGE SLAB @ 4192 BBH RD. - ELEV. 631.45
- ◆ TBM #10
- ◆ NE CORNER PCC FOUNDATION - ELEV. 621.42

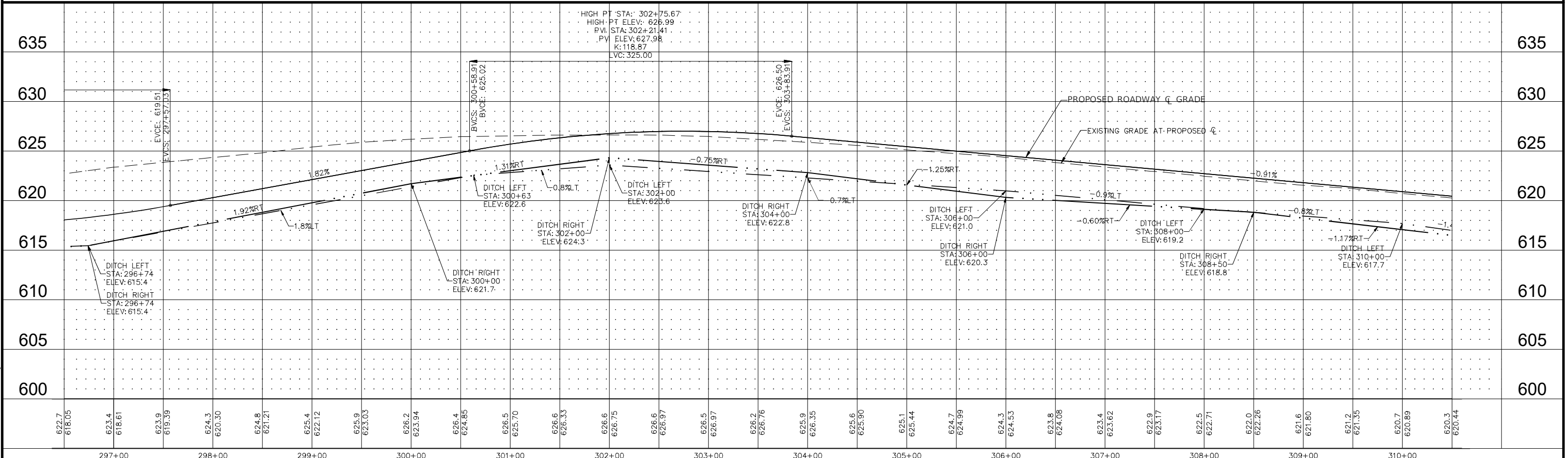


FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE</b>	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 20		
17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.20 OF 112 SHEETS	STA. 282+00 TO STA. 296+50	CONTRACT NO. 93795			
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						

PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\17-23 - plan and profiles.dwg  
 PLOTTED: 9/29/2022 @ 11:36:36 PM BY: hargan, chris



◆ TBM #11  
SE CORNER PCC SIDEWALK NEAR FRONT PORCH OF 4570 BBH RD.- ELEV. 623.59



622.7 618.05	623.4 618.61	623.9 619.39	624.3 620.30	624.8 621.21	625.4 622.12	625.9 623.03	626.2 623.94	626.4 624.85	626.5 625.70	626.6 626.33	626.6 626.75	626.6 626.97	626.2 626.76	625.9 626.35	625.6 625.90	625.1 625.44	624.7 624.99	624.3 624.53	623.8 624.08	623.4 623.62	622.9 623.17	622.5 622.71	622.0 622.26	621.6 621.80	621.2 621.35	620.7 620.89	620.3 620.44
297+00		298+00		299+00		300+00		301+00		302+00		303+00		304+00		305+00		306+00		307+00		308+00		309+00		310+00	

FILE NAME = 17-23 - PLAN AND PROFILES.DWG

USER NAME = Hargan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
PLOT SCALE = 1:1  
CHECKED - CAW  
PLOT DATE = 9/29/2022  
DATE - 9/29/2022

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

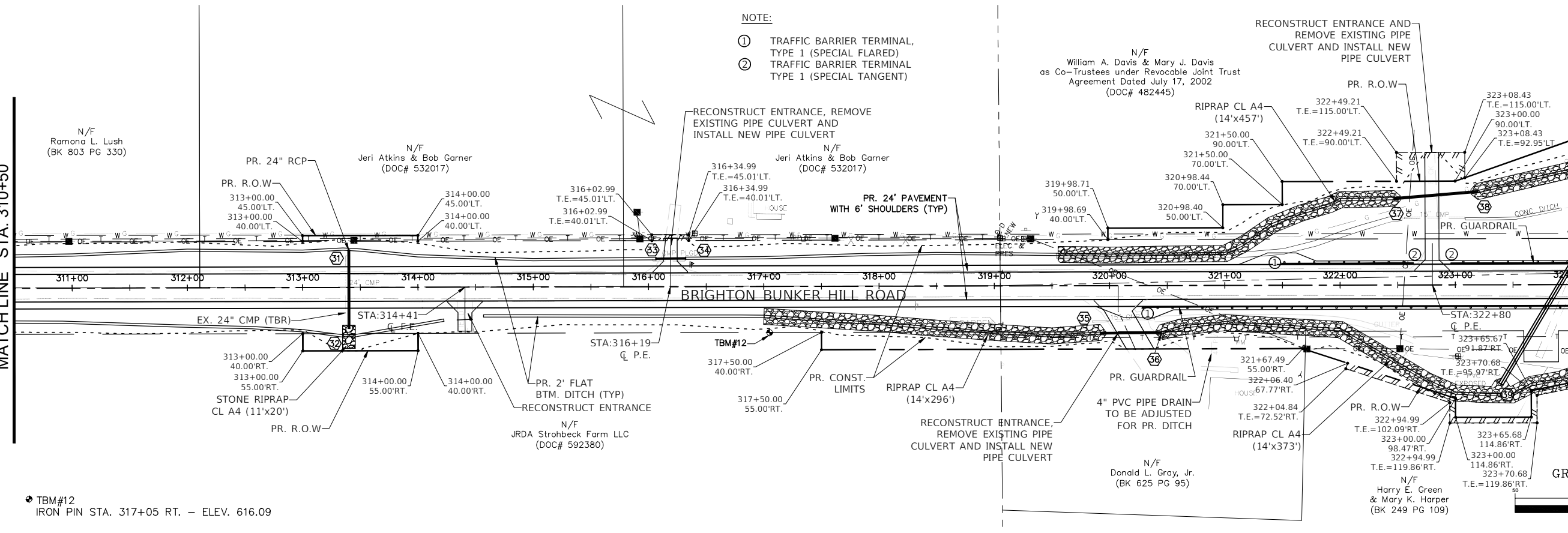
ROADWAY PLAN AND PROFILE  
SCALE: 1"=50'  
SHEET NO.21 OF 112 SHEETS  
STA. 296+50 TO STA. 310+50

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 21
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

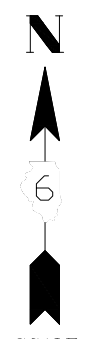
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MATCHLINE STA. 310+50

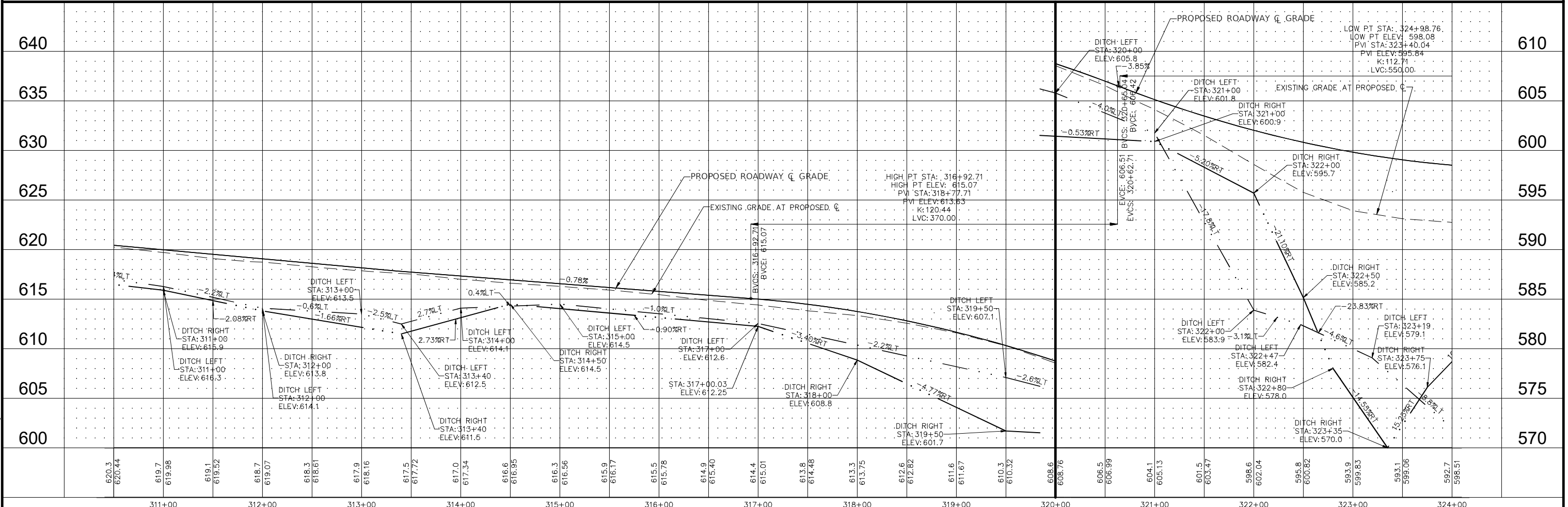
MATCHLINE STA. 324+00



- NOTE:
- ① TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL FLARED)
  - ② TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL TANGENT)



TBM#12  
IRON PIN STA. 317+05 RT. - ELEV. 616.09

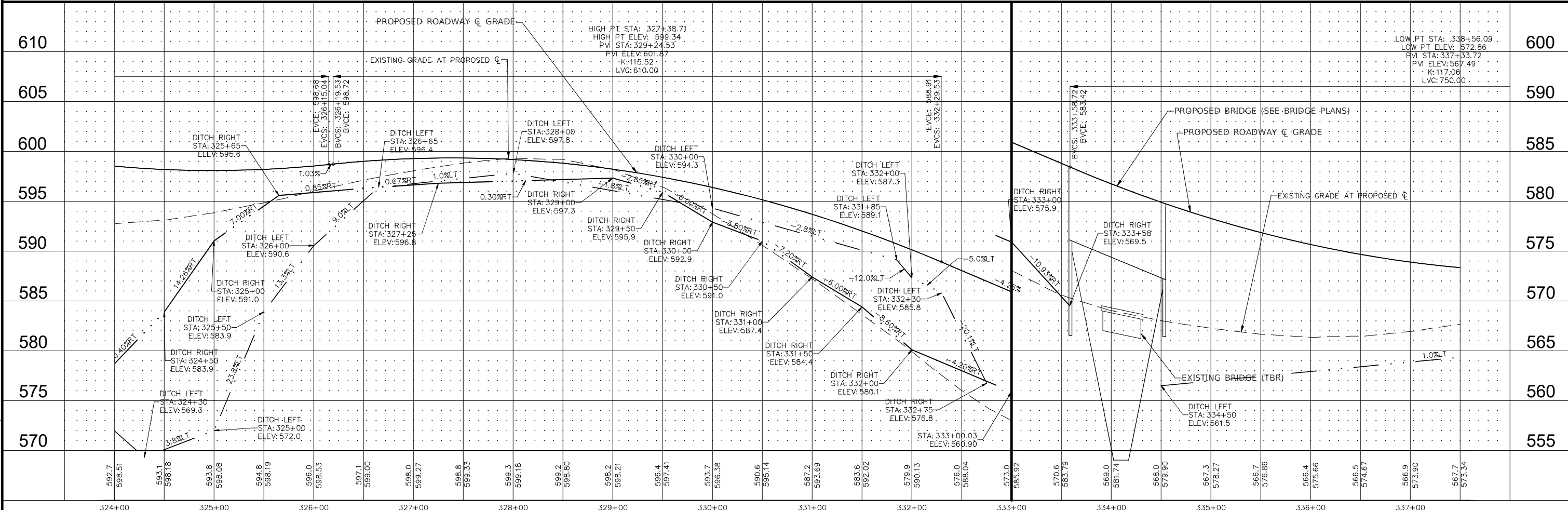
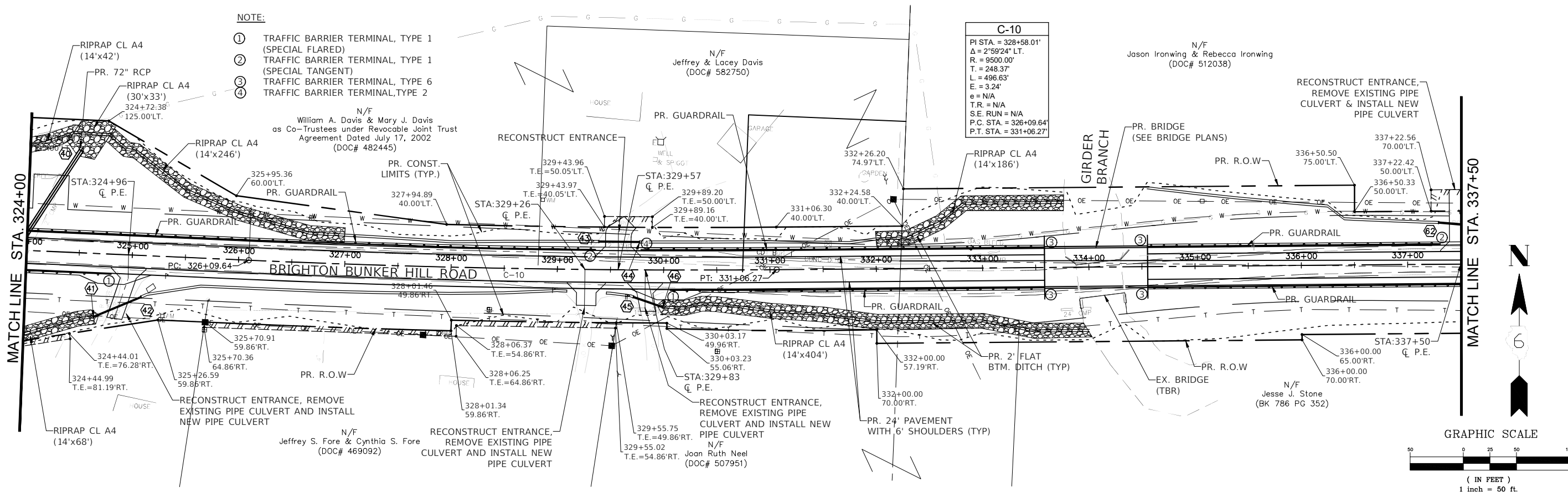


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17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.22 OF 112 SHEETS	STA. 310+50	TO STA. 324+00	CONTRACT NO. 93795		
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						

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**NOTE:**

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL FLARED)
- ② TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL TANGENT)
- ③ TRAFFIC BARRIER TERMINAL, TYPE 6
- ④ TRAFFIC BARRIER TERMINAL, TYPE 2

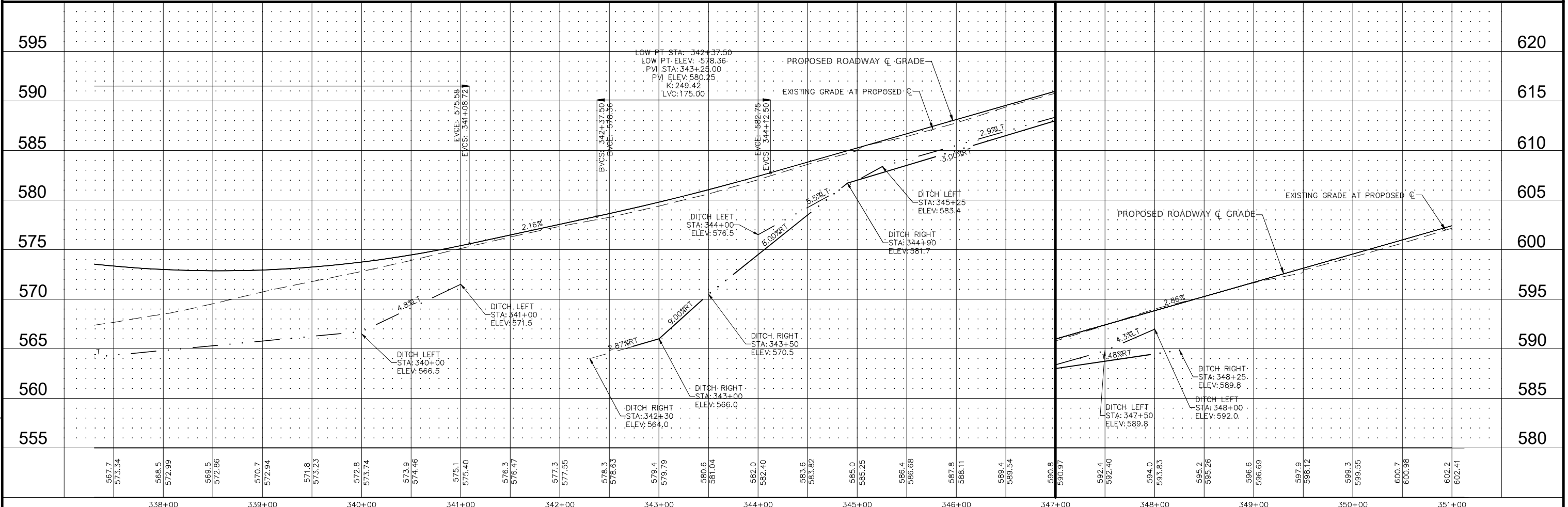
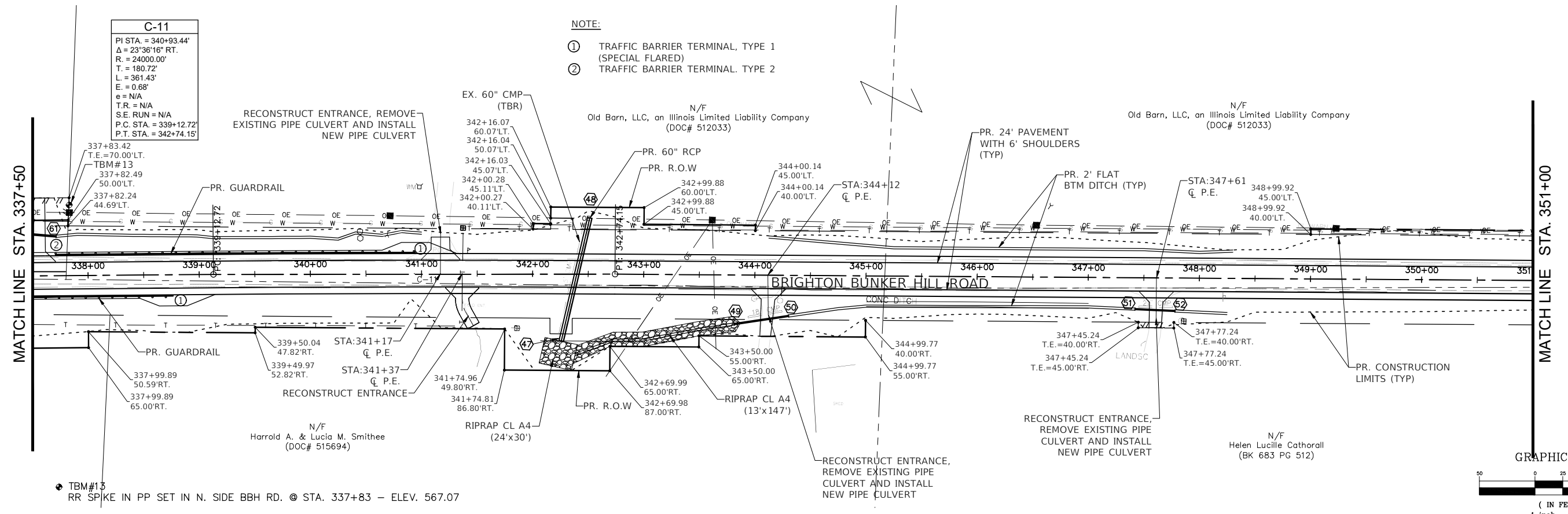


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17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.23 OF 112 SHEETS	STA. 324+00	TO STA. 337+50	CONTRACT NO. 93795		
PLOT DATE = 9/29/2022	DATE = 9/29/2022	REVISED -	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						

**C-11**  
 PI STA. = 340+93.44'  
 $\Delta = 23^{\circ}36'16''$  RT.  
 R. = 24000.00'  
 T. = 180.72'  
 L. = 361.43'  
 E. = 0.68'  
 e = N/A  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 339+12.72'  
 P.T. STA. = 342+74.15'

- NOTE:**
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL FLARED)
  - ② TRAFFIC BARRIER TERMINAL, TYPE 2

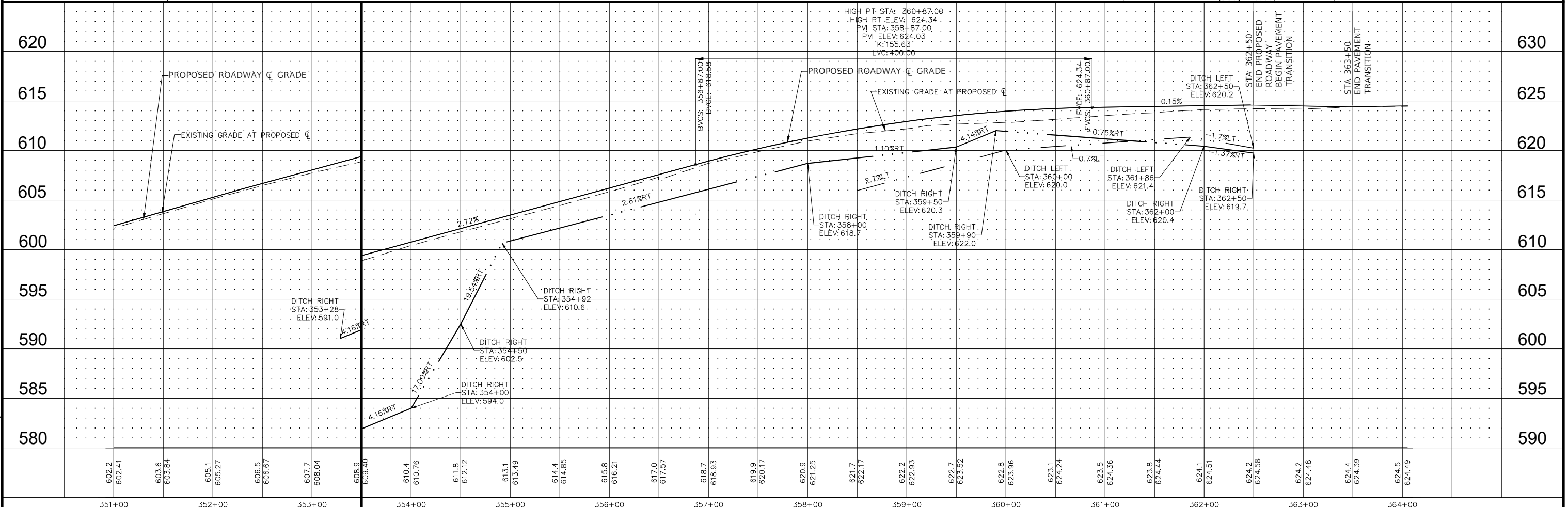
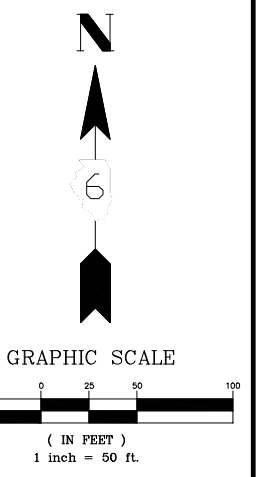
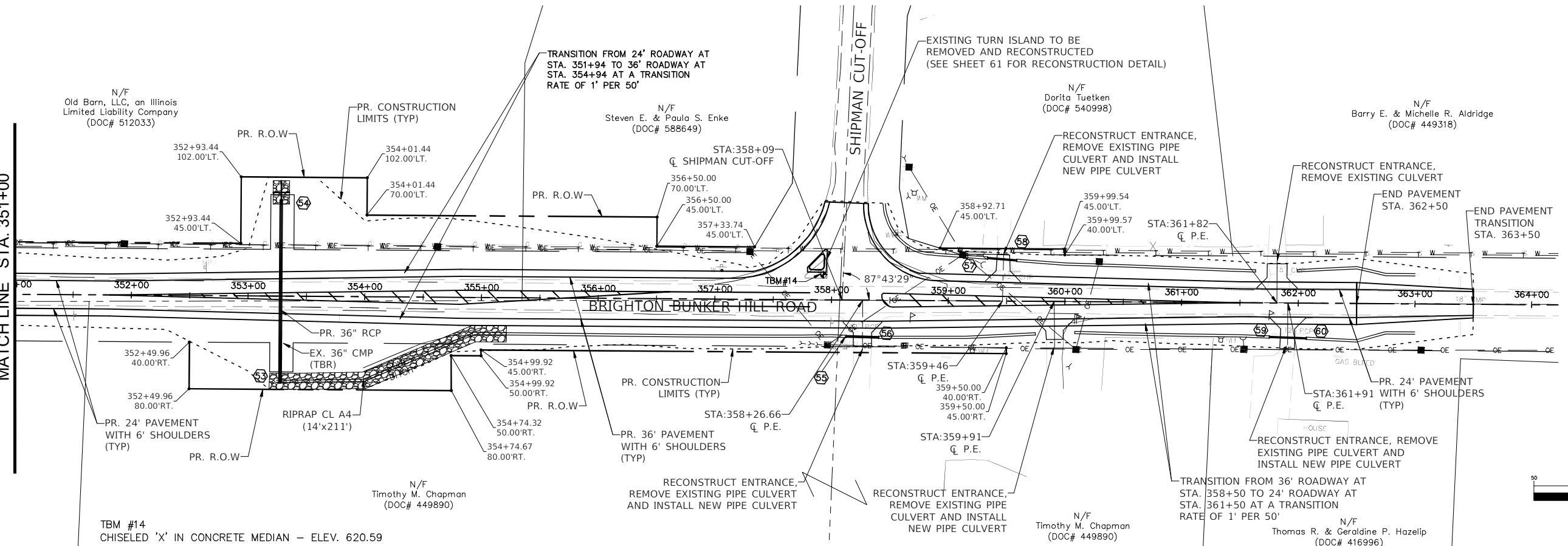


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17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.24 OF 112 SHEETS	STA. 337+50	TO STA. 351+00	CONTRACT NO. 93795		
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						

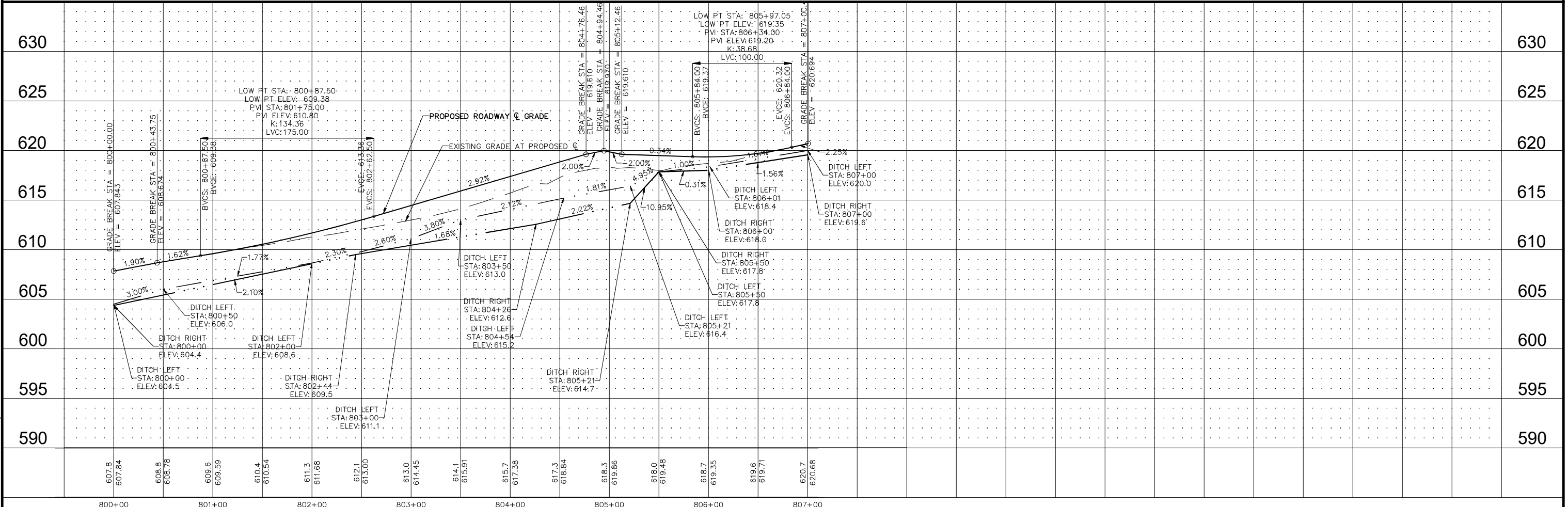
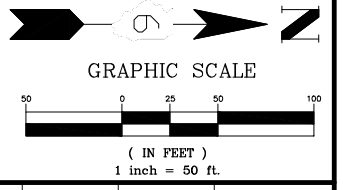
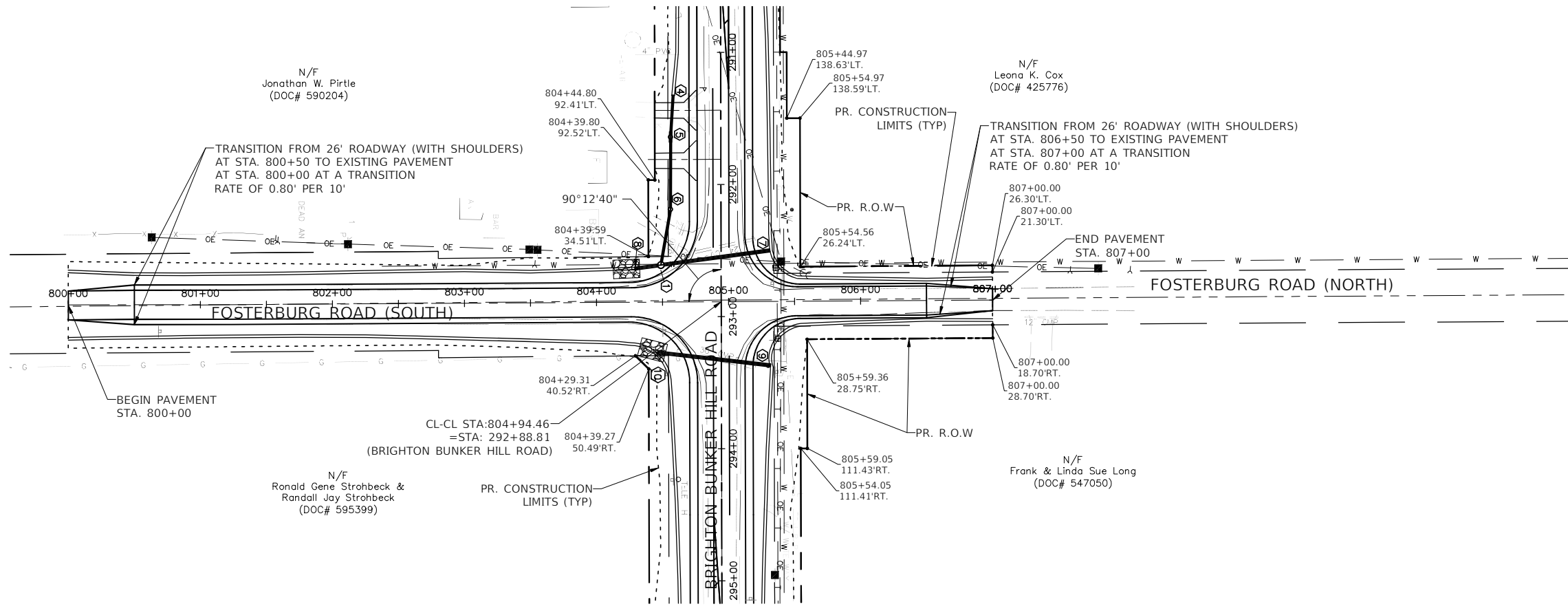


MATCH LINE STA. 351+00



PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\17-23 - plan and profiles.dwg  
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17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.25 OF 112 SHEETS	STA. 351+00	TO STA. 364+00	CONTRACT NO. 93795		
PLOT DATE = 9/29/2022	DATE = 9/29/2022	REVISED -	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						



PATH: \\hared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\17-23 - plan and profiles.dwg  
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FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			736	01-00080-00-FP	MACOUPIN	112	26
PLOT DATE = 9/29/2022	DATE = 9/29/2022	REVISED -	SCALE: 1"=50'			SHEET NO.26 OF 112 SHEETS		STA. 800+00 TO STA. 807+00		CONTRACT NO. 93795
						FED. ROAD DIST. NO.6		ILLINOIS		FED. AID PROJECT



Benchmark: Spike in center power pole (of 3) 57' left of Sta. 337+84, approximately 350' East of existing bridge. Elevation 567.07

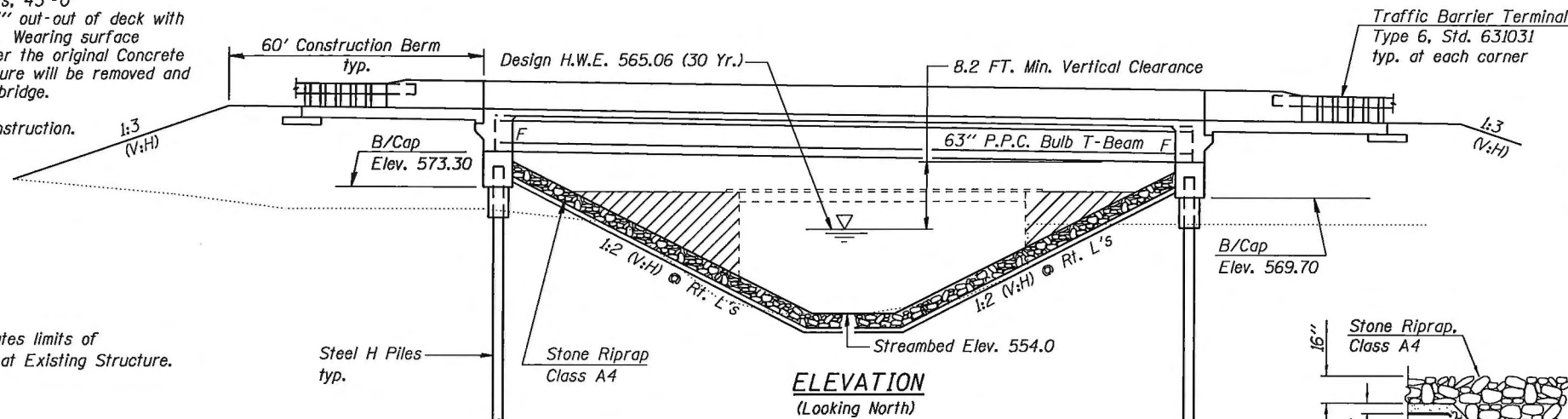
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 27
	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Existing Structure: SN 059-3009, built in 1919 and reconstructed in 1968. The existing structure is a single span Precast Prestressed Concrete Deck Beam bridge on closed concrete and timber pile abutments, 43'-0" back-to-back of abutments 33'-7" out-out of deck with a clear roadway width of 31'-6". Wearing surface consists of 2 1/2" of Oil & Chip over the original Concrete Deck Beams. The existing structure will be removed and replaced with a new single-span bridge.

Traffic to be detoured during Construction.

No Salvage.



Hatched Area indicates limits of Channel Excavation at Existing Structure.

GIRDER BRANCH  
BUILT 20 BY  
MACOUPIN COUNTY  
SEC. 01-00080-00-FP  
F.A.S. 736 STA. 334+07  
STR. NO. 059-3309 LOADING HL-93

NAME PLATE

Locate Name Plate at Southwest Corner of Bridge (See Std. 515001)

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2-3 Top of Slab Elevations
- 4 Top of West Approach Slab Elevations
- 5 Top of East Approach Slab Elevations
- 6 Superstructure
- 7-8 Superstructure Details
- 9-10 Bridge Approach Slab Details
- 11 Framing Plan
- 12 63" PPC Bulb T-Beam
- 13 63" PPC Bulb T-Beam Details
- 14 West Abutment
- 15 East Abutment
- 16 Pile Details
- 17-18 Boring Logs

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
			Abut.	
Stone Riprap, Class A4	Sq. Yd.	--	910	910
Filter Fabric	Sq. Yd.	--	910	910
Removal of Existing Structures	Each	--	--	1
Concrete Structures	Cu. Yd.	--	67.6	67.6
Concrete Superstructure	Cu. Yd.	300.7	--	300.7
Bridge Deck Grooving	Sq. Yd.	597	--	597
Concrete Encasement	Cu. Yd.	--	9.8	9.8
Protective Coat	Sq. Yd.	759	--	759
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams 63"	Foot	578	--	578
Reinforcement Bars, Epoxy Coated	Pound	57,370	9,670	67,040
Furnishing Steel Piles HP14x73	Foot	--	1040	1040
Driving Piles	Foot	--	1040	1040
Test Pile Steel HP14x73	Each	--	2	2
Name Plates	Each	1	--	1
Geomembrane Wall Drain	Sq. Yd.	--	106	106
Granular Backfill for Structures	Cu. Yd.	--	376	376
Silicone Joint Sealer, 3/4"	Foot	78	--	78
Pipe Underdrains for Structures 4"	Foot	--	162	162

SECTION A-A

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
5. The Contractor shall drive 2 HP 14 test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
6. Slipforming of the parapets is not allowed.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi  
f'c = 4,000 psi (Superstructure Concrete)  
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi  
f'ci = 5,000 psi  
fpu = 270,000 psi (1/2" φ low lax. strands)  
fpbt = 201,960 psi (1/2" φ low lax. strands)

DESIGN SPECIFICATIONS

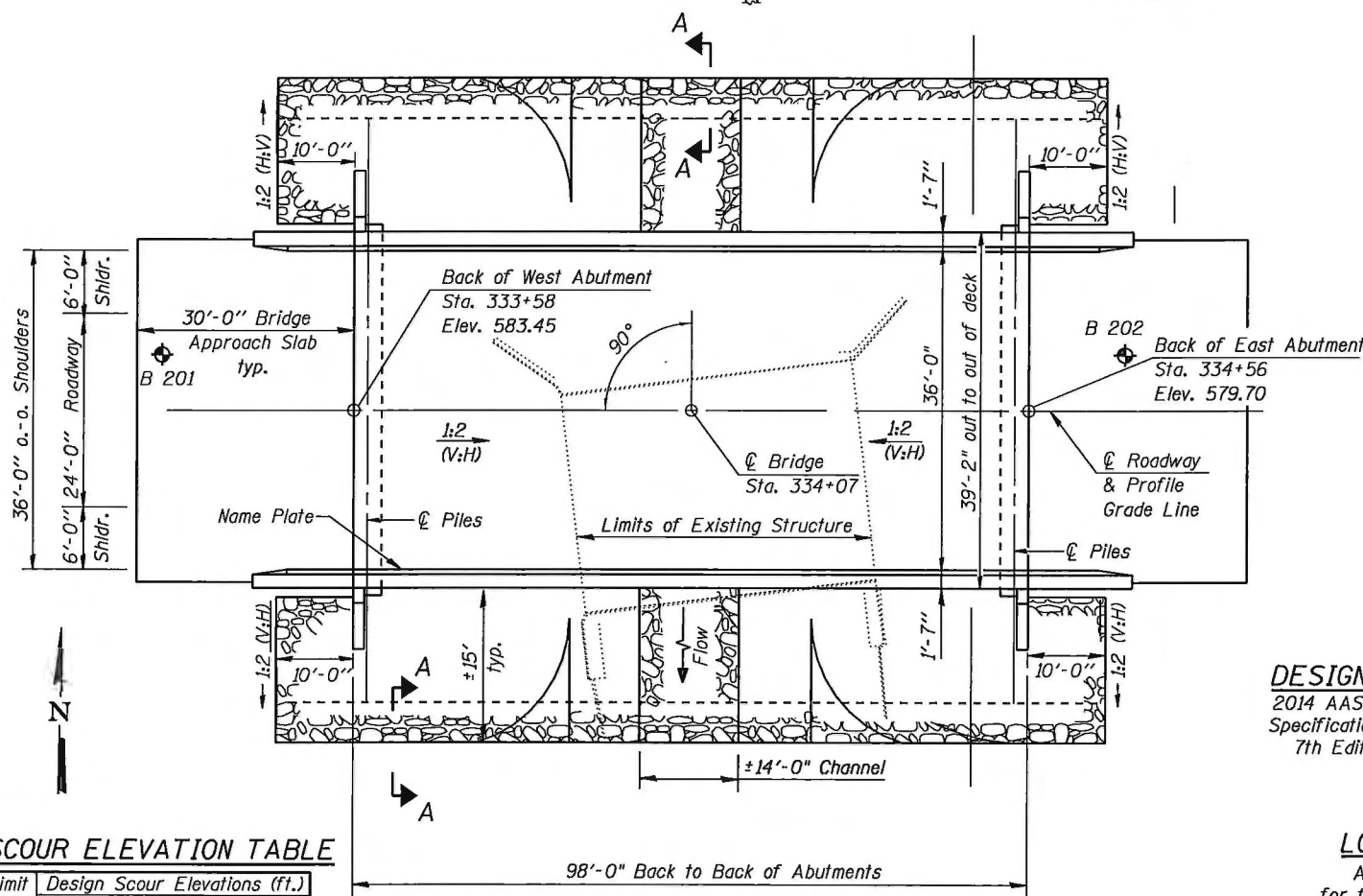
2014 AASHTO LRFD Bridge Design Specifications, Customary U.S. Units, 7th Edition with 2015 Interims

LOADING HL-93

Allow 50#/Sq. Ft. for future wearing surface

SEISMIC DATA

Seismic Performance Zone (S.P.Z.) = 1  
Design Spectral Acceleration at 1 second (S<sub>d1</sub>) = 0.16  
Design Spectral Acceleration at 0.2 second (S<sub>d0.2</sub>) = 0.37  
Soil Site Class (S) = C



PLAN

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)			Item I13
	W. Abut.	E. Abut.		
Q100	N.C.	N.C.		8
Q200	N.C.	N.C.		
Design	573.30	569.70		
Check	573.30	569.70		

N.C. = Not Calculated

WATERWAY INFORMATION

Low Grade Elevation: 572.86 ft. @ Sta. 338+56.09  
Max. Rec. H.W.E. = Unknown

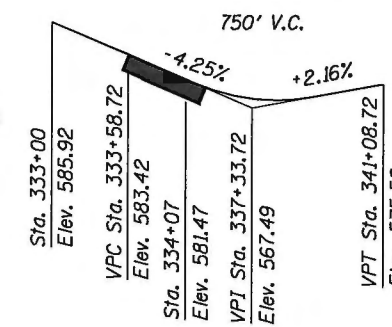
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	30	1935	329	399	565.06	0.00	0.00	565.06	565.06
Base	100	2632	359	450	565.93	0.17	0.13	566.10	566.06
Overtopping	N/A	-	-	-	-	-	-	-	-
Max. Calc.	500	3624	389	509	566.87	0.52	0.41	567.39	567.28

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM



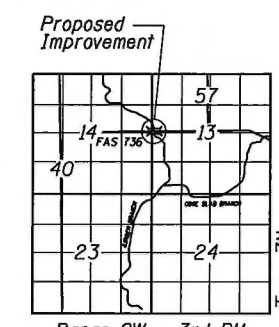
Kenneth C. McDonough  
Licensed Structural Engineer  
State of Illinois No. 081-005950  
License Expires 11/30/16

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.



PROFILE GRADE

(along @ F.A.S. Rte. 736)



LOCATION SKETCH

GENERAL PLAN & ELEVATION  
BRIGHTON-BUNKER HILL ROAD OVER GIRDER BRANCH  
F.A.S. ROUTE 736 SECTION 01-00080-00-FP

MACOUPIN COUNTY

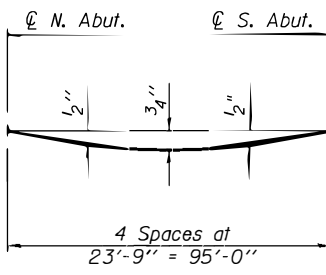
STA. 334+07  
S.N. 059-3309

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

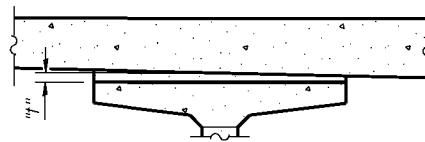
SHEET NO. 2 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 28
	FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
					CONTRACT NO. 93795



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete, excluding beams).

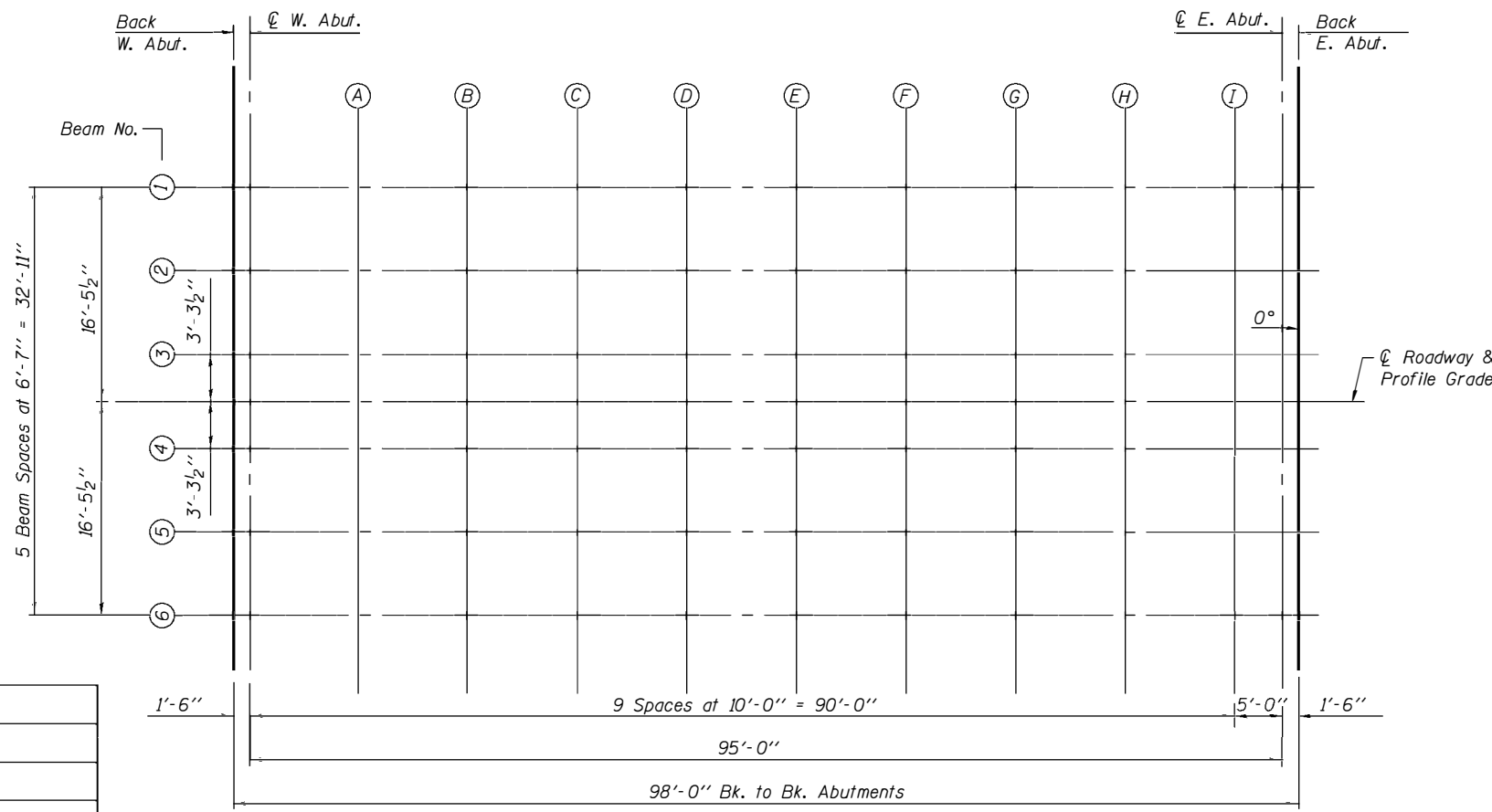
Note:  
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on this sheet and on sheet 3 of 18.



The "t" dimension shown is for the centerline of the Bulb T-Beam. Adjust the fillets at each side of the flange to accommodate the cross slope of the deck (Example 42"x1/2x0.0156"/" = ±0.33" or 0.027")

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on this sheet and on sheet 3 of 18, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**



**PLAN**

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	-16.46	583.17	583.17
☉ W. Abut.	333+59.50	-16.46	583.11	583.11
A	333+69.50	-16.46	582.69	582.71
B	333+79.50	-16.46	582.28	582.32
C	333+89.50	-16.46	581.88	581.93
D	333+99.50	-16.46	581.48	581.54
E	334+09.50	-16.46	581.10	581.16
F	334+19.50	-16.46	580.72	580.77
G	334+29.50	-16.46	580.35	580.39
H	334+39.50	-16.46	579.99	580.02
I	334+49.50	-16.46	579.64	579.65
☉ E. Abut.	334+54.50	-16.46	579.47	579.47
Bk. E. Abut.	334+56	-16.46	579.41	579.41

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	-9.88	583.30	583.30
☉ W. Abut.	333+59.50	-9.88	583.24	583.24
A	333+69.50	-9.88	582.82	582.84
B	333+79.50	-9.88	582.41	582.45
C	333+89.50	-9.88	582.01	582.06
D	333+99.50	-9.88	581.61	581.67
E	334+09.50	-9.88	581.23	581.29
F	334+19.50	-9.88	580.85	580.90
G	334+29.50	-9.88	580.48	580.52
H	334+39.50	-9.88	580.12	580.15
I	334+49.50	-9.88	579.77	579.78
☉ E. Abut.	334+54.50	-9.88	579.60	579.60
Bk. E. Abut.	334+56	-9.88	579.54	579.54

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	-3.29	583.40	583.40
☉ W. Abut.	333+59.50	-3.29	583.34	583.34
A	333+69.50	-3.29	582.92	582.94
B	333+79.50	-3.29	582.51	582.55
C	333+89.50	-3.29	582.11	582.16
D	333+99.50	-3.29	581.71	581.77
E	334+09.50	-3.29	581.33	581.39
F	334+19.50	-3.29	580.95	581.00
G	334+29.50	-3.29	580.58	580.62
H	334+39.50	-3.29	580.22	580.25
I	334+49.50	-3.29	579.87	579.88
☉ E. Abut.	334+54.50	-3.29	579.70	579.70
Bk. E. Abut.	334+56	-3.29	579.64	579.64

(Sheet 1 of 2)  
**TOP OF SLAB ELEVATIONS**  
**S.N. 059-3309**

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 3 18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	29
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 93795		

CL ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	0	583.45	583.45
∅ W. Abut.	333+59.50	0	583.39	583.39
A	333+69.50	0	582.97	582.99
B	333+79.50	0	582.56	582.60
C	333+89.50	0	582.16	582.21
D	333+99.50	0	581.76	581.82
E	334+09.50	0	581.38	581.44
F	334+19.50	0	581.00	581.05
G	334+29.50	0	580.63	580.67
H	334+39.50	0	580.27	580.30
I	334+49.50	0	579.92	579.93
∅ E. Abut.	334+54.50	0	579.75	579.75
Bk. E. Abut.	334+56	0	579.69	579.69

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	3.29	583.40	583.40
∅ W. Abut.	333+59.50	3.29	583.34	583.34
A	333+69.50	3.29	582.92	582.94
B	333+79.50	3.29	582.51	582.55
C	333+89.50	3.29	582.11	582.16
D	333+99.50	3.29	581.71	581.77
E	334+09.50	3.29	581.33	581.39
F	334+19.50	3.29	580.95	581.00
G	334+29.50	3.29	580.58	580.62
H	334+39.50	3.29	580.22	580.25
I	334+49.50	3.29	579.87	579.88
∅ E. Abut.	334+54.50	3.29	579.70	579.70
Bk. E. Abut.	334+56	3.29	579.64	579.64

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	9.88	583.30	583.30
∅ W. Abut.	333+59.50	9.88	583.24	583.24
A	333+69.50	9.88	582.82	582.84
B	333+79.50	9.88	582.41	582.45
C	333+89.50	9.88	582.01	582.06
D	333+99.50	9.88	581.61	581.67
E	334+09.50	9.88	581.23	581.29
F	334+19.50	9.88	580.85	580.90
G	334+29.50	9.88	580.48	580.52
H	334+39.50	9.88	580.12	580.15
I	334+49.50	9.88	579.77	579.78
∅ E. Abut.	334+54.50	9.88	579.60	579.60
Bk. E. Abut.	334+56	9.88	579.54	579.54

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abut.	333+58	16.46	583.17	583.17
∅ W. Abut.	333+59.50	16.46	583.11	583.11
A	333+69.50	16.46	582.69	582.71
B	333+79.50	16.46	582.28	582.32
C	333+89.50	16.46	581.88	581.93
D	333+99.50	16.46	581.48	581.54
E	334+09.50	16.46	581.10	581.16
F	334+19.50	16.46	580.72	580.77
G	334+29.50	16.46	580.35	580.39
H	334+39.50	16.46	579.99	580.02
I	334+49.50	16.46	579.64	579.65
∅ E. Abut.	334+54.50	16.46	579.47	579.47
Bk. E. Abut.	334+56	16.46	579.41	579.41

(Sheet 2 of 2)

**TOP OF SLAB ELEVATIONS**  
**S.N. 059-3309**

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

 **McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
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Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 4  18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	30
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 93795		

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Approach Pav't	333+28	-18.00	584.42
A	333+38	-18.00	583.99
B	333+48	-18.00	583.57
Back W. Abutment	333+58	-18.00	583.14

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End W. Approach Pav't	333+28	-12.00	584.54
A	333+38	-12.00	584.11
B	333+48	-12.00	583.69
Back W. Abutment	333+58	-12.00	583.26

CL ROADWAY & PROFILE GRADE

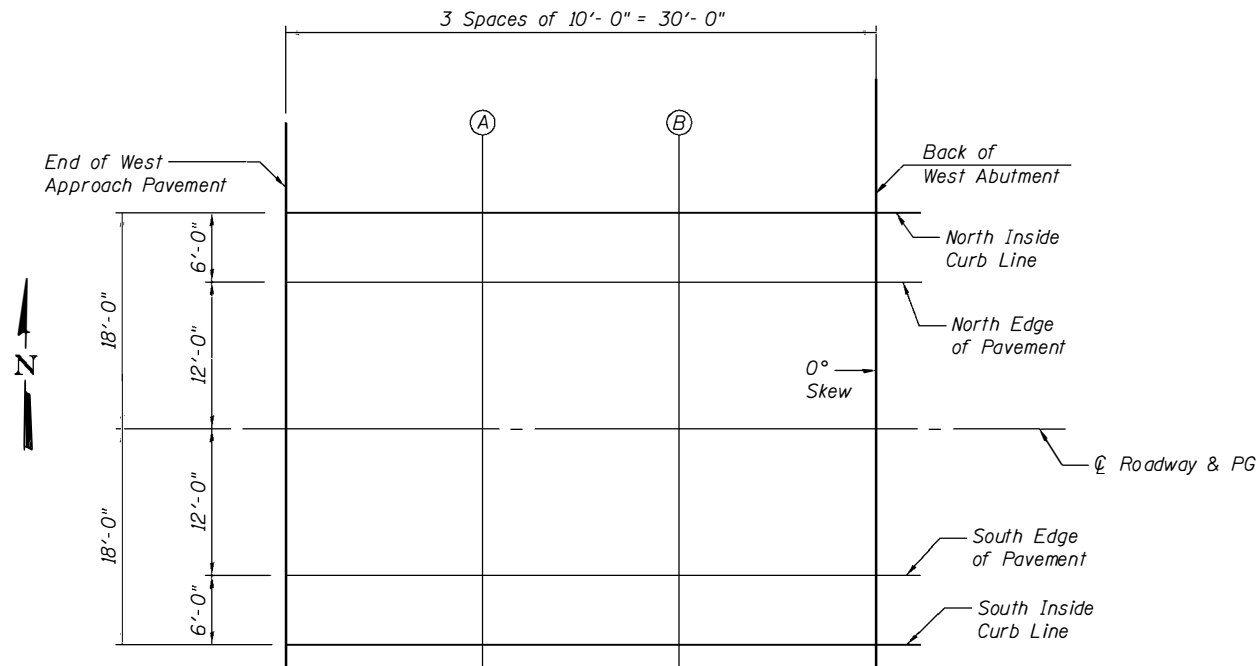
Location	Station	Offset	Theoretical Grade Elevations
End W. Approach Pav't	333+28	0.00	584.73
A	333+38	0.00	584.30
B	333+48	0.00	583.88
Back W. Abutment	333+58	0.00	583.45

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End W. Approach Pav't	333+28	12.00	584.54
A	333+38	12.00	584.11
B	333+48	12.00	583.69
Back W. Abutment	333+58	12.00	583.26

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Approach Pav't	333+28	18.00	584.42
A	333+38	18.00	583.99
B	333+48	18.00	583.57
Back W. Abutment	333+58	18.00	583.14



PLAN

TOP OF WEST APPROACH SLAB ELEVATIONS  
S.N. 059-3309

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 5  18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	31
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
				CONTRACT NO. 93795	

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back E. Abutment	334+56	-18.00	579.38
A	334+66	-18.00	579.05
B	334+76	-18.00	578.72
End E. Approach Pav't	334+86	-18.00	578.40

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back E. Abutment	334+56	-12.00	579.50
A	334+66	-12.00	579.17
B	334+76	-12.00	578.84
End E. Approach Pav't	334+86	-12.00	578.52

☉ ROADWAY & PROFILE GRADE

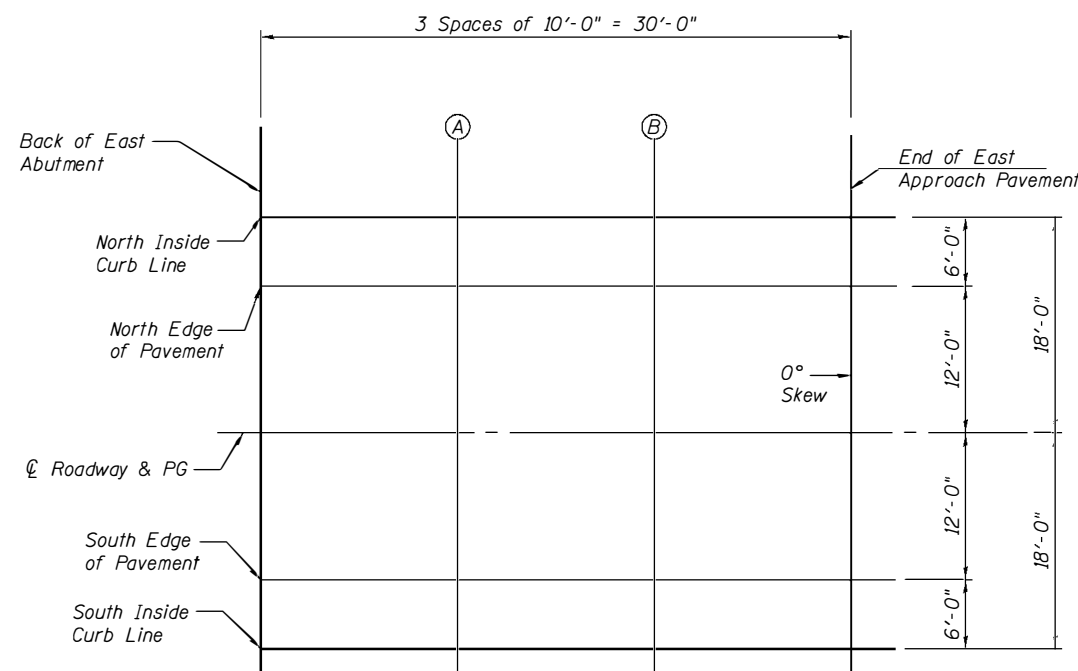
Location	Station	Offset	Theoretical Grade Elevations
Back E. Abutment	334+56	0.00	579.69
A	334+66	0.00	579.36
B	334+76	0.00	579.03
End E. Approach Pav't	334+86	0.00	578.71

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back E. Abutment	334+56	12.00	579.50
A	334+66	12.00	579.17
B	334+76	12.00	578.84
End E. Approach Pav't	334+86	12.00	578.52

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back E. Abutment	334+56	18.00	579.38
A	334+66	18.00	579.05
B	334+76	18.00	578.72
End E. Approach Pav't	334+86	18.00	578.40



PLAN

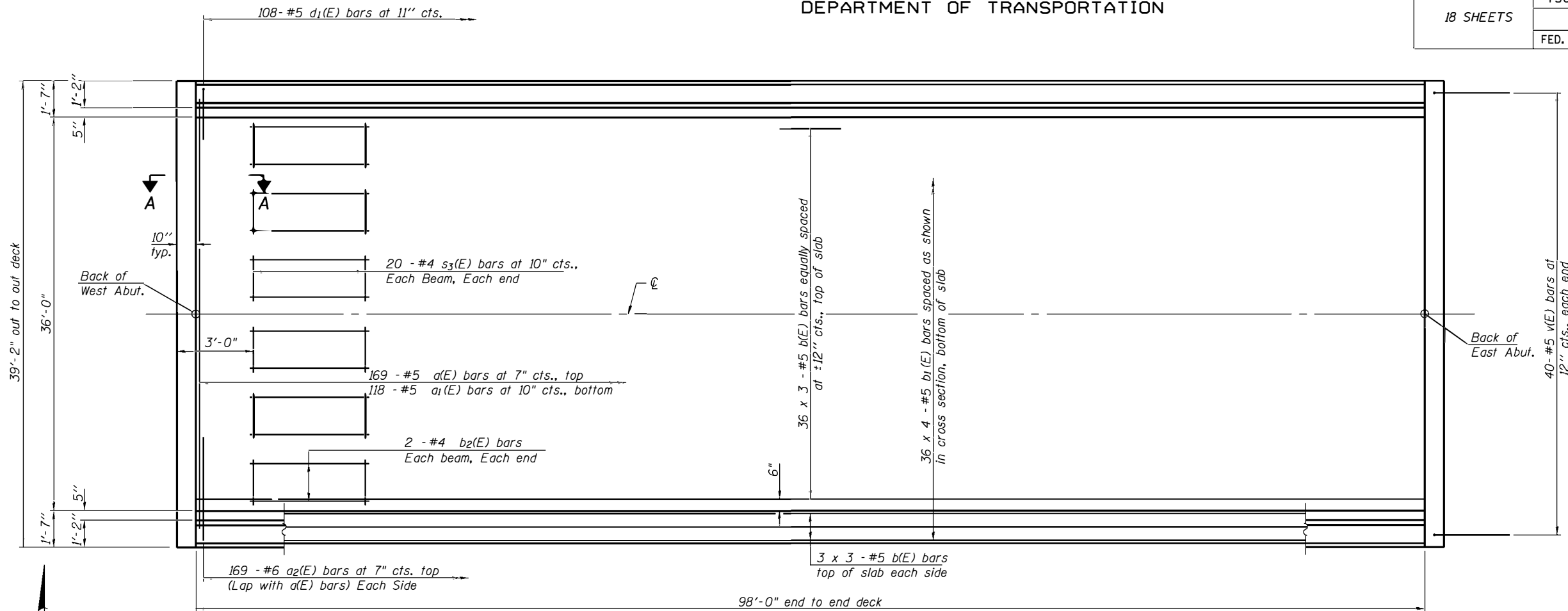
TOP OF EAST APPROACH SLAB ELEVATIONS  
S.N. 059-3309

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

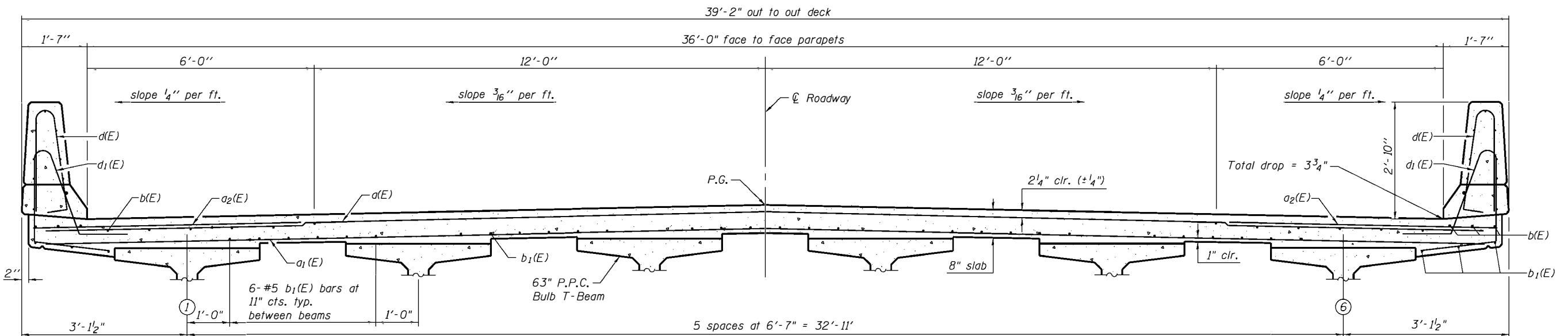
SHEET NO. 6 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 32
	CONTRACT NO. 93795				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



PLAN

**MIN. BAR LAP**  
#5 bar = 3'-6"

Notes:  
See sheets 7 & 8 of 18 for superstructure details and Bill of Material.  
For Section A-A and diaphragm details see sheet 8 of 18.  
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.  
See sheet 7 of 18 for parapet reinforcement.



CROSS SECTION  
(Looking East)

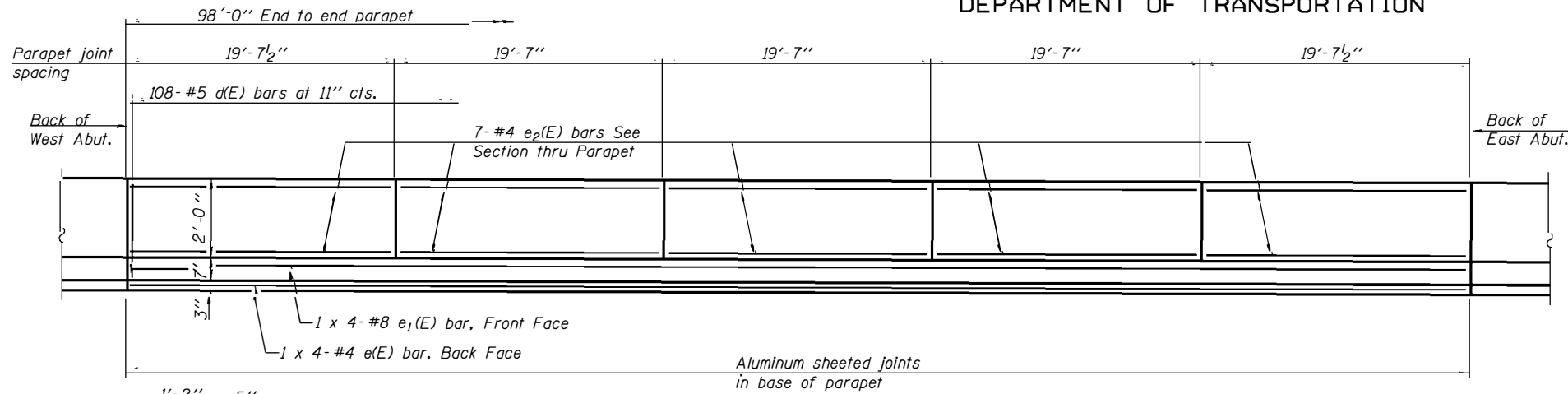
**SUPERSTRUCTURE**  
S.N. 059-3309

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

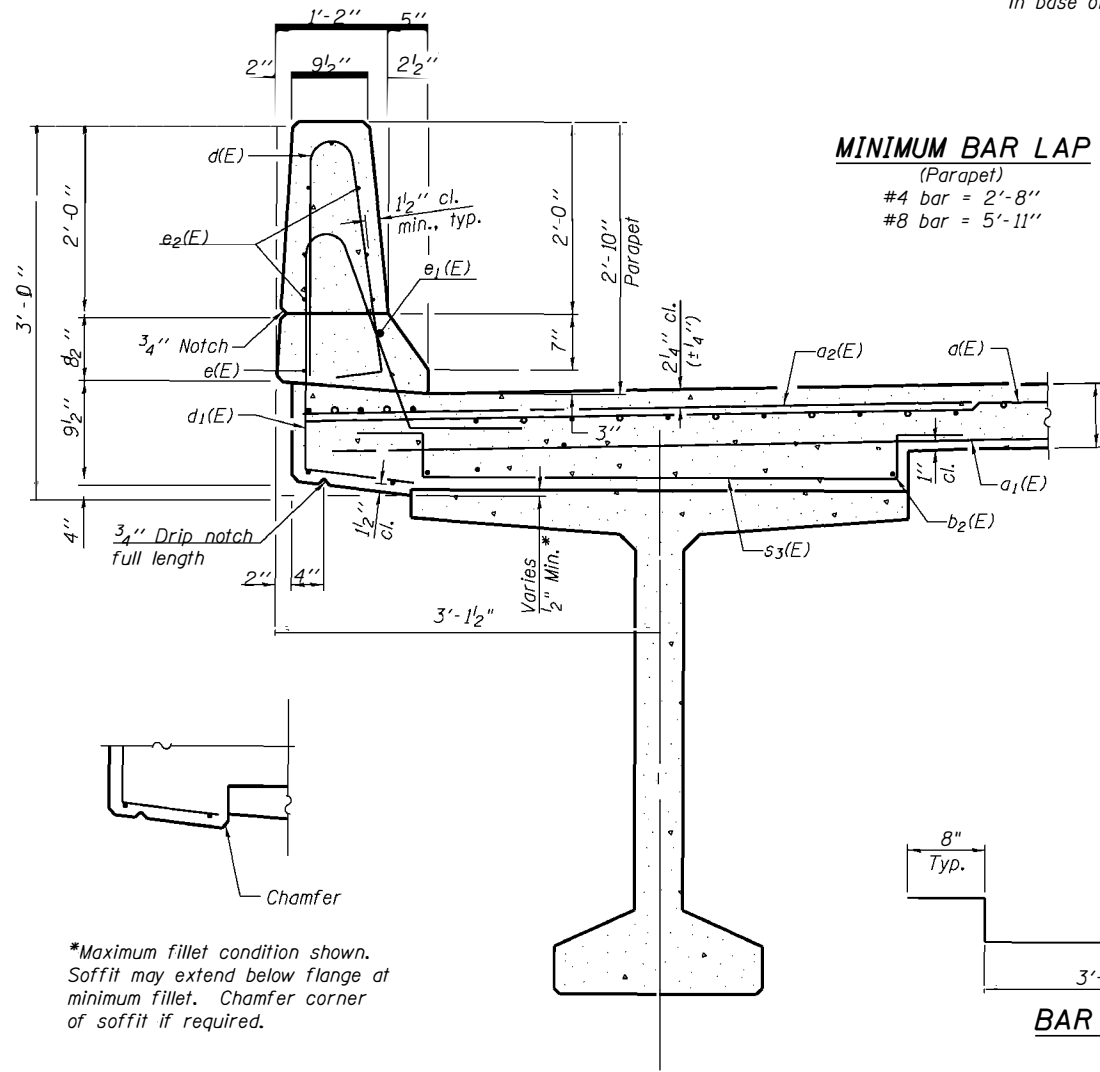
McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

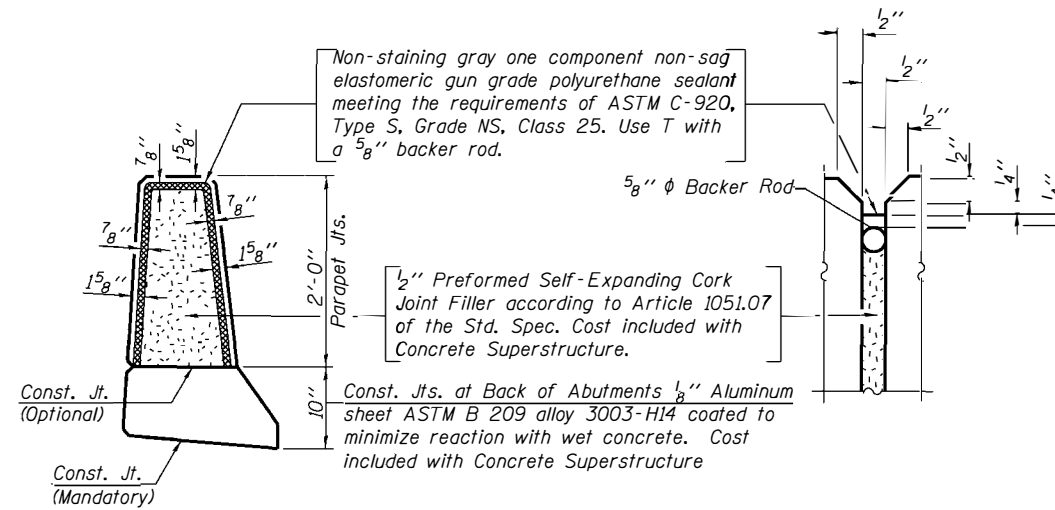
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	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



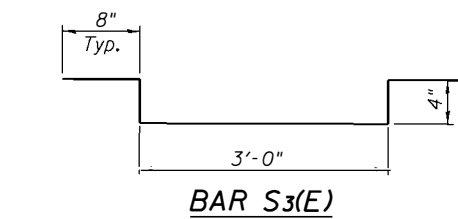
INSIDE ELEVATION OF PARAPET



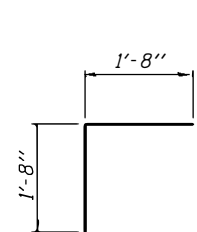
**MINIMUM BAR LAP**  
(Parapet)  
#4 bar = 2'-8"  
#8 bar = 5'-11"



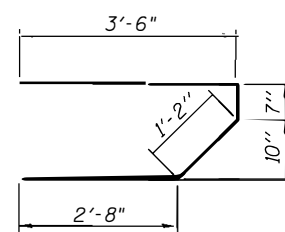
PARAPET JOINT DETAILS



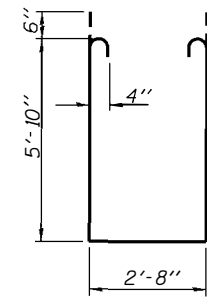
BAR S3(E)



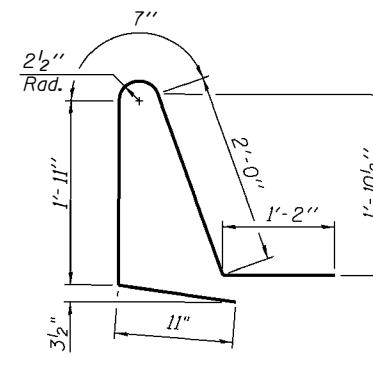
BAR v(E)



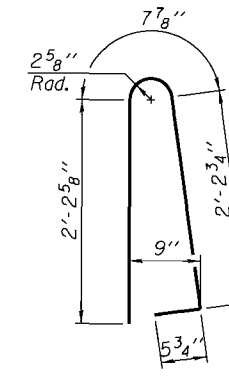
BAR s(E)



BAR s1(E)



BAR d1(E)



BAR d(E)

**SUPERSTRUCTURE  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d(E)	169	#5	37'-11"	—
a1(E)	118	#5	37'-11"	—
a2(E)	338	#6	6'-0"	—
b(E)	126	#5	34'-11"	—
b1(E)	144	#5	27'-1"	—
b2(E)	24	#4	16'-0"	—
d(E)	216	#5	5'-7"	⌋
d1(E)	216	#5	6'-7"	⌋
e(E)	8	#4	26'-5"	—
e1(E)	8	#8	28'-11"	—
e2(E)	70	#4	19'-2"	—
m(E)	4	#6	38'-10"	—
m1(E)	8	#6	38'-10"	—
m2(E)	36	#6	9'-6"	—
m3(E)	10	#6	4'-1"	—
m4(E)	4	#6	1'-9"	—
s(E)	72	#5	7'-11"	⌋
s1(E)	52	#4	15'-4"	⌋
s3(E)	240	#4	5'-0"	⌋
v(E)	80	#5	3'-4"	⌋
Reinforcement Bars, Epoxy Coated		Lbs.	31,200	
Concrete Superstructure		Cu. Yds.	181.9	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.  
Work this sheet with sheets 6 and 8 of 18.

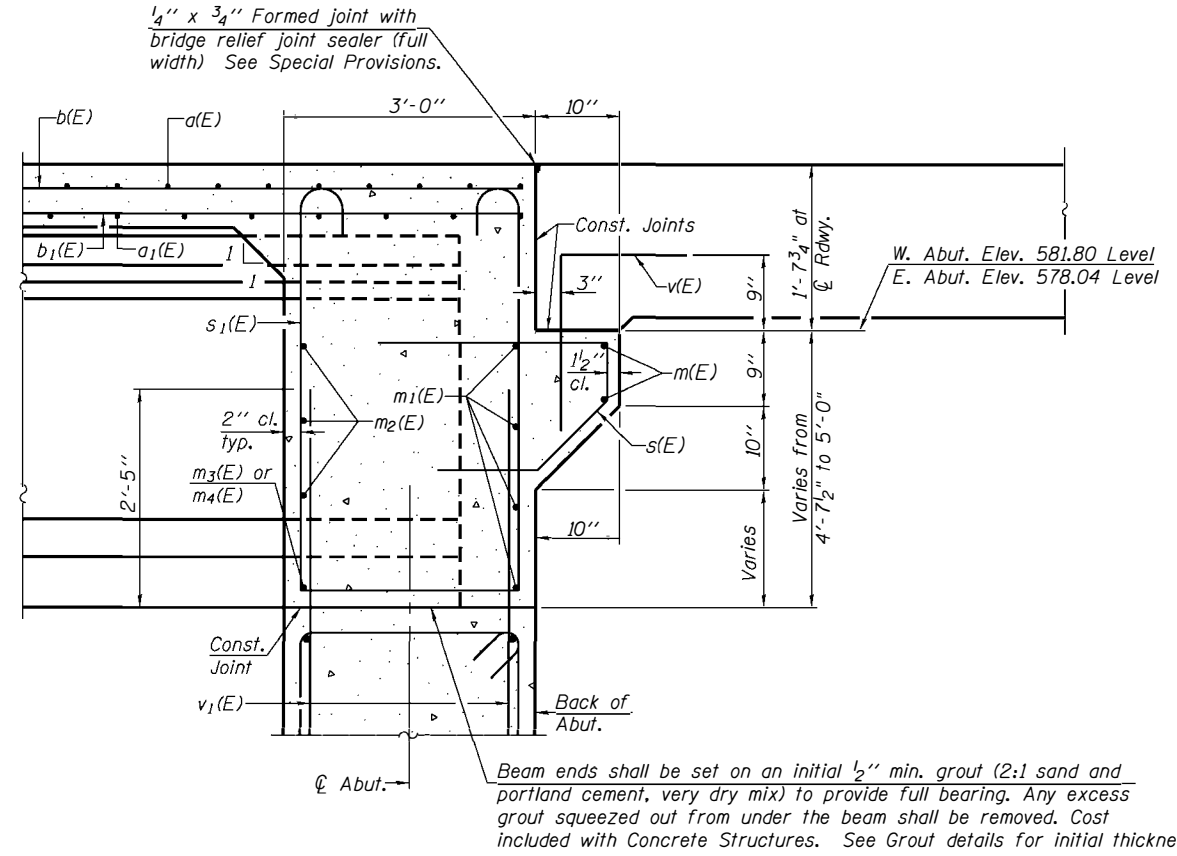
**SUPERSTRUCTURE DETAILS  
S.N. 059-3309**

DESIGNED KCM
CHECKED TMM
DRAWN JLM
CHECKED TMM

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

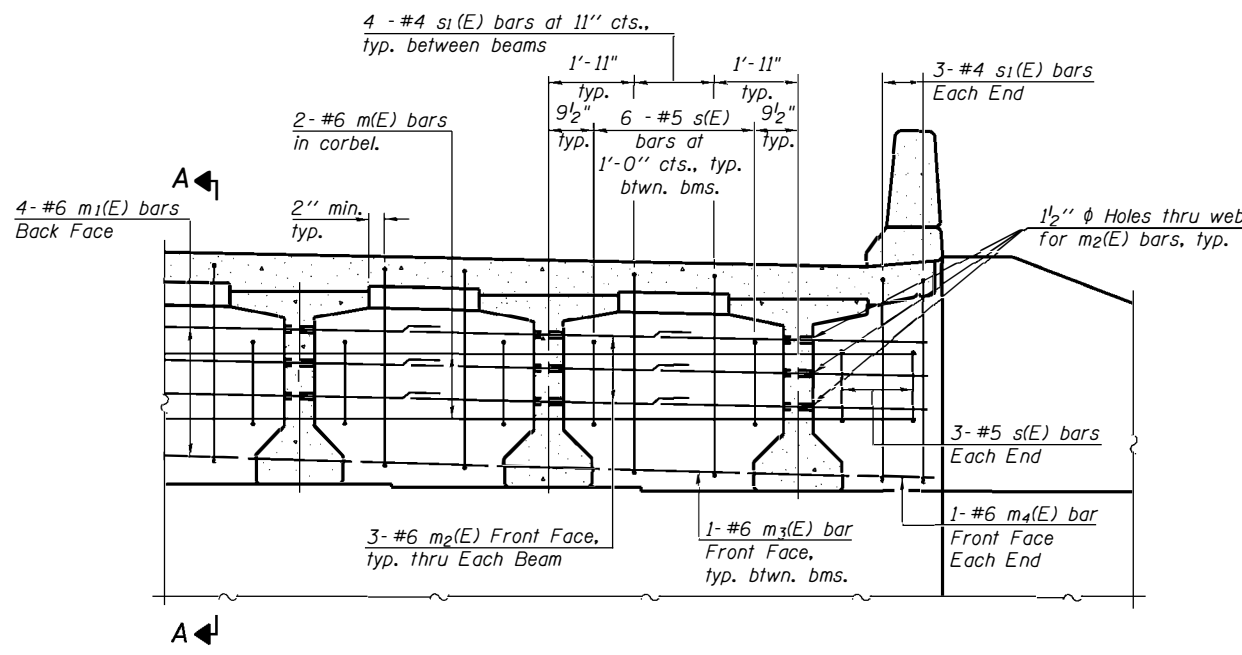
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 8 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 34
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



SECTION A-A

Dimensions at right angles to abutment, except as shown.



DIAPHRAGM ELEVATION AT ABUTMENT

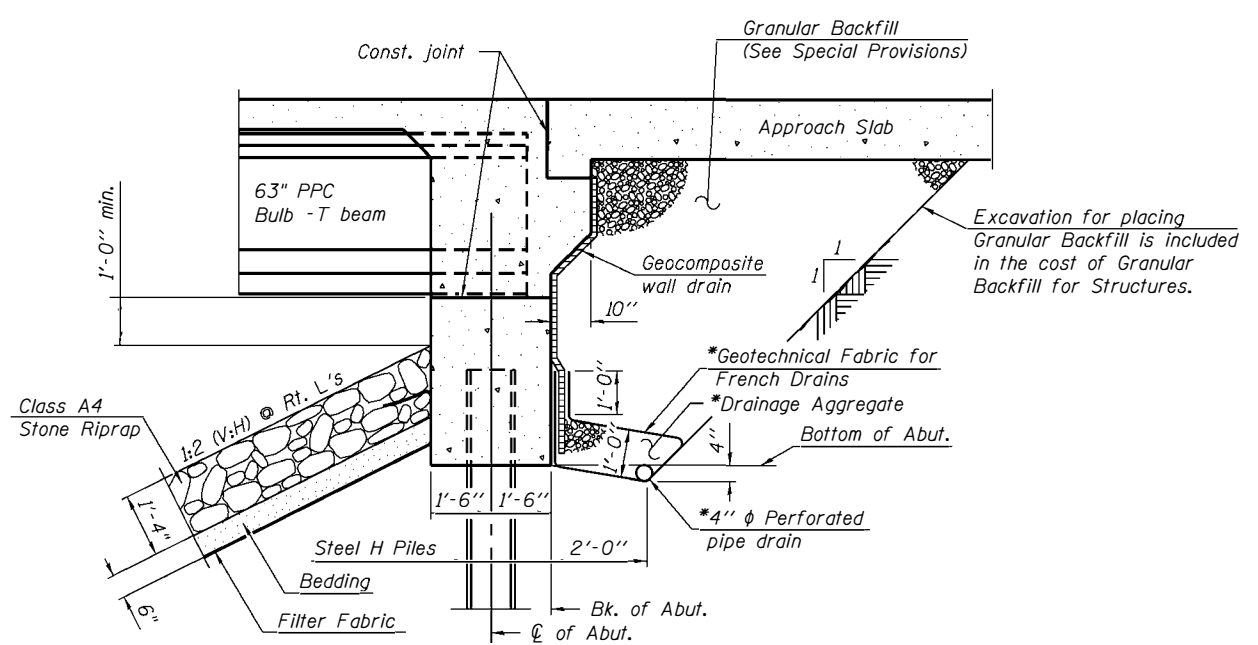
(Looking East)  
East Abut. Shown / West Similar

MIN. BAR LAP

#6 bar = 3'-7"



GROUT DETAILS



SECTION THRU INTEGRAL ABUTMENT

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

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet 7 of 18.  
Concrete in diaphragm is included with Concrete Superstructure on sheet 7 of 18.  
For details of bars s(E), s1(E) and v(E) see sheet 7 of 18.  
The s(E) and s1(E) bars shall be placed parallel to the beams.  
Spacing for these bars shall be at right angles to the beams.

SUPERSTRUCTURE DETAILS

S.N. 059-3309

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

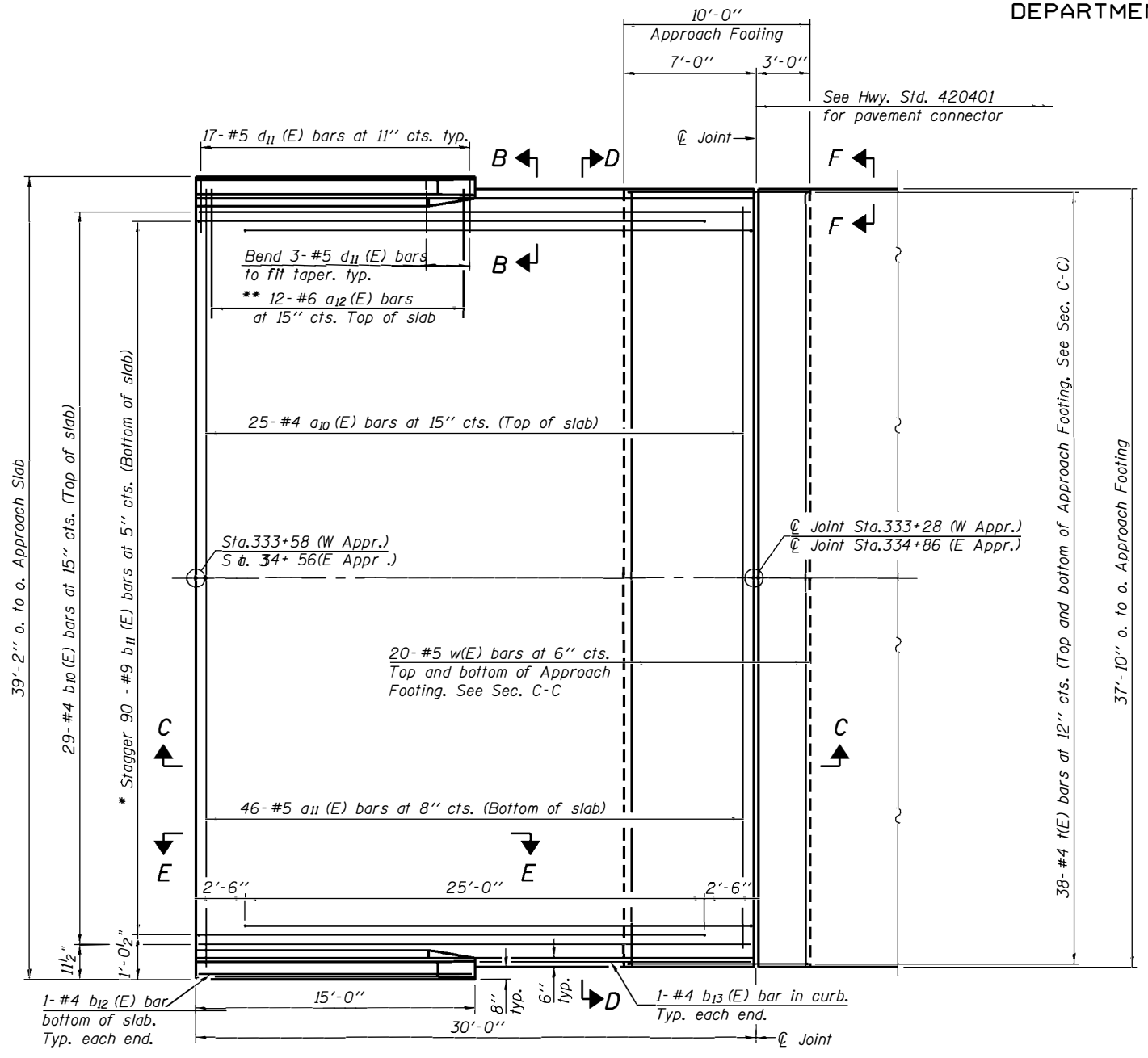
Note:  
\* Included in the cost of Pipe Underdrains for Structures.  
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).

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PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

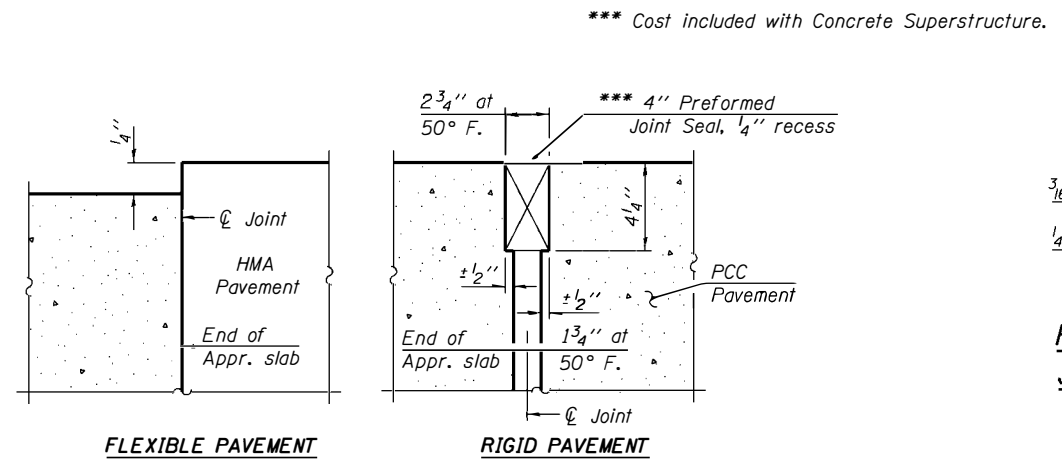
SHEET NO. 9 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 35
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

Notes:  
See sheet 10 of 18 for Sections C-C & D-D and View E-E.  
 $a_{10}(E)$ ,  $a_{11}(E)$ , and  $w(E)$  bar spacings measured perpendicular to  $\varnothing$  Rdwy.

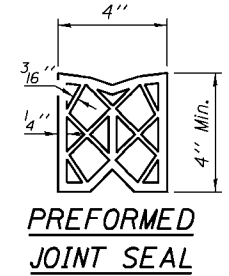


**PLAN**

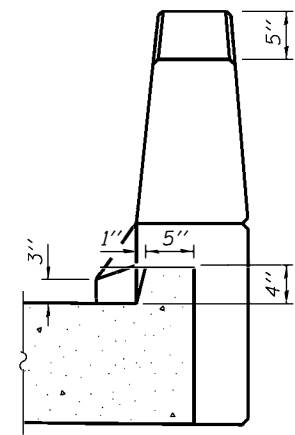
\* Tilt #9  $b_{11}(E)$  bars as required to maintain clearance.  
\*\* Space between  $a_{10}(E)$  bars, typ. ea. parapet.



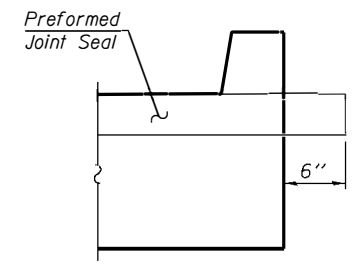
**DETAIL A**



**PREFORMED JOINT SEAL**



**VIEW B-B**  
(Exit ends only)



**VIEW F-F**  
Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

BA-0 10-31-08

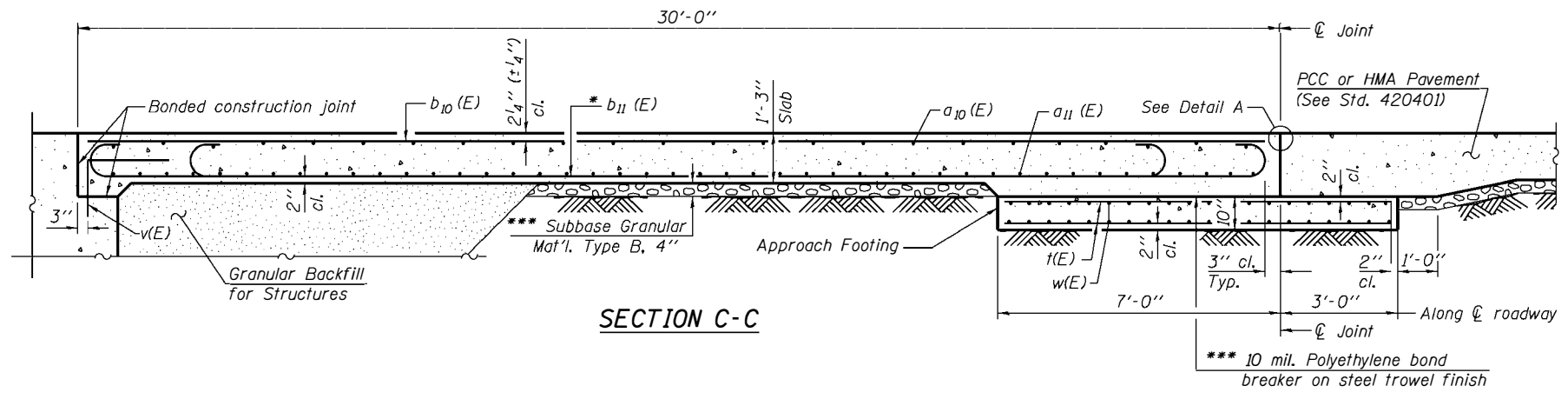
(Sheet 1 of 2)  
**BRIDGE APPROACH SLAB DETAILS**  
S.N. 059-3309

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

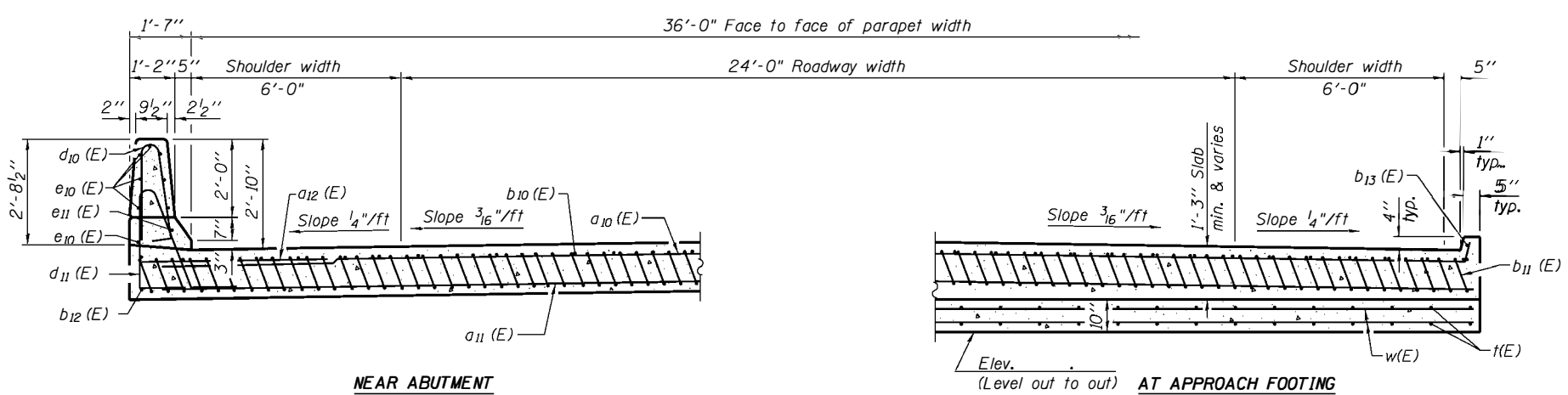


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 10 18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	36
	CONTRACT NO. 93795				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



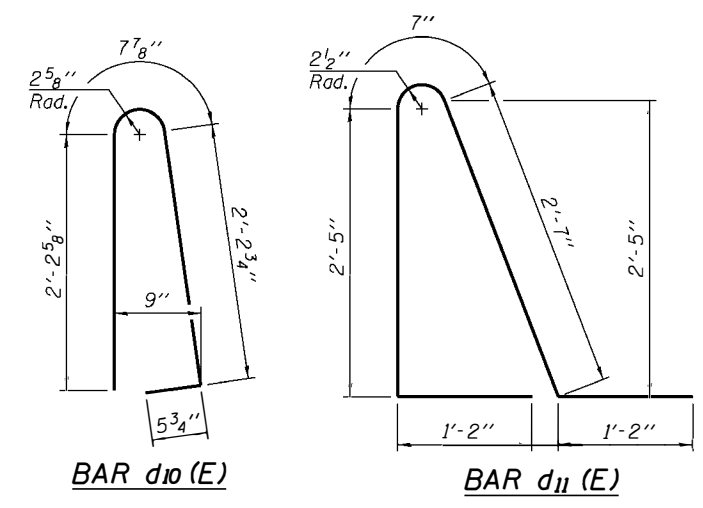
SECTION C-C



SECTION D-D  
(See Plan for dimensions not shown)

NEAR ABUTMENT

AT APPROACH FOOTING  
(Level out to out)



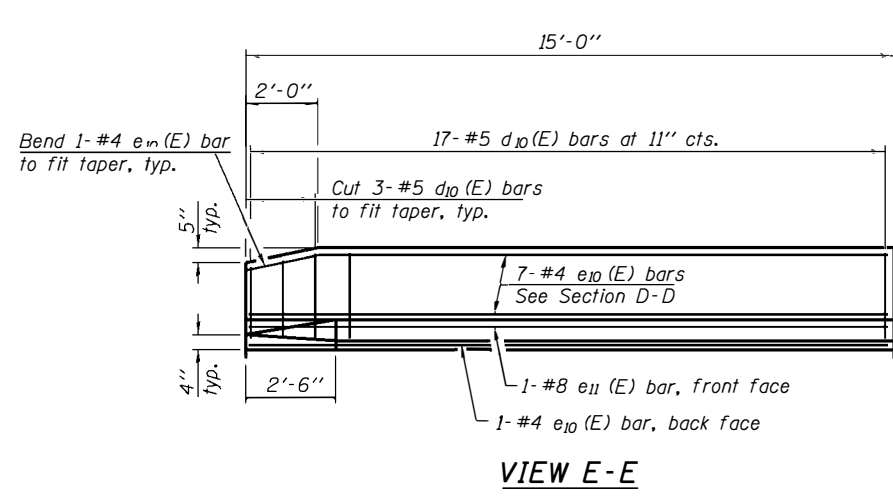
BAR d10(E)

BAR d11(E)

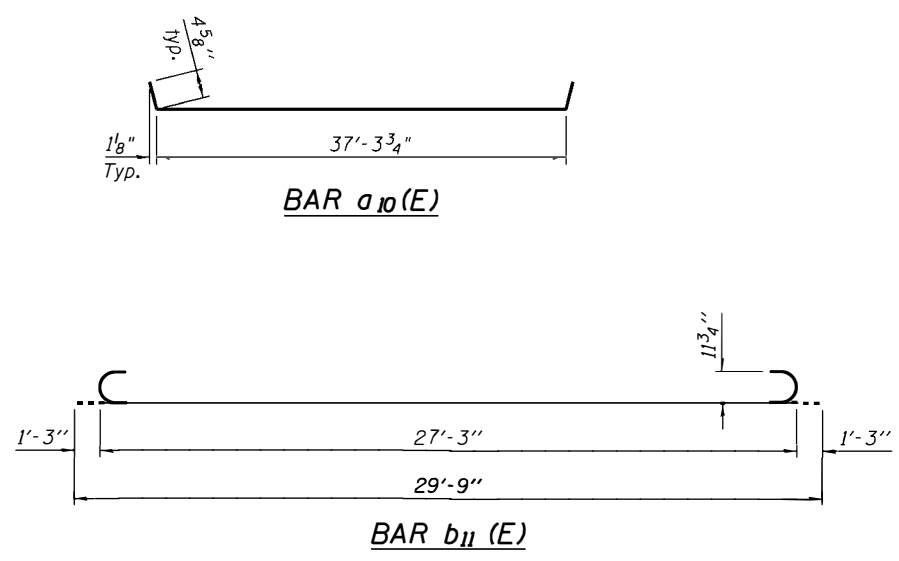
\* Tilt #9 b11(E) bars as required to maintain clearance.  
\*\*\* Cost included with Concrete Superstructure.

TWO APPROACHES  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	50	#4	38'-1"	—
a11(E)	92	#5	37'-6"	—
a12(E)	48	#6	6'-0"	—
b10(E)	58	#4	29'-8"	—
b11(E)	180	#9	29'-9"	—
b12(E)	4	#4	14'-8"	—
b13(E)	4	#4	14'-8"	—
d10(E)	68	#5	5'-7"	U
d11(E)	68	#5	7'-11"	U
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t(E)	152	#4	9'-8"	—
w(E)	80	#5	37'-6"	—
Concrete Superstructure	Cu. Yd.	118.8		
Concrete Structures	Cu. Yd.	23.3		
Reinforcement Bars, Epoxy Coated	Pound	30,280		



VIEW E-E



BAR a10(E)

BAR b11(E)

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

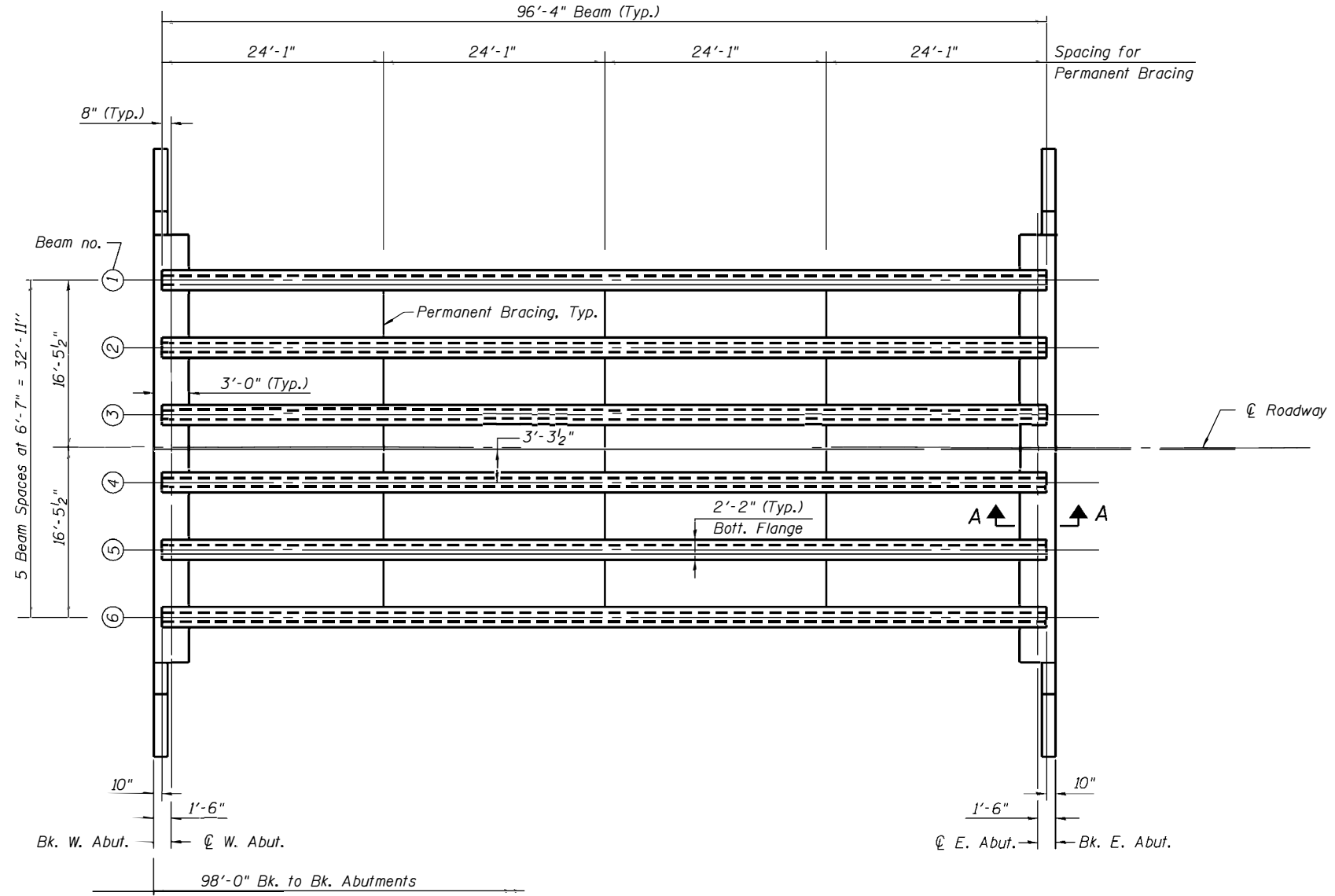
BA-0 10-31-08

(Sheet 2 of 2)  
BRIDGE APPROACH SLAB DETAILS  
S.N. 059-3309

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 11  18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 37
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



FRAMING PLAN

INTERIOR BEAM MOMENT TABLE		
0.5 Span		
I	(in <sup>4</sup> )	392638
I'	(in <sup>4</sup> )	745300
S <sub>b</sub>	(in <sup>3</sup> )	12224
S <sub>b</sub> '	(in <sup>3</sup> )	16133
S <sub>t</sub>	(in <sup>3</sup> )	12715
S <sub>t</sub> '	(in <sup>3</sup> )	44354
DC1	(k/ft)	1.467
M <sub>DC1</sub>	(k)	1616
DC2	(k/ft)	0.150
M <sub>DC2</sub>	(k)	169
DW	(k/ft)	0.329
M <sub>DW</sub>	(k)	371
M <sub>L + IM</sub>	(k)	1616

INTERIOR BEAM REACTION TABLE		
Abut.		
R <sub>DC1</sub>	(k)	68.0
R <sub>DC2</sub>	(k)	7.1
R <sub>DW</sub>	(k)	15.6
R <sub>L + IM</sub>	(k)	83.2
R <sub>Total</sub>	(k)	173.9

- I: Non-composite moment of inertia of beam section (in<sup>4</sup>).
- I': Composite moment of inertia of beam section (in<sup>4</sup>).
- S<sub>b</sub>: Non-composite section modulus for the bottom fiber of the prestressed beam (in<sup>3</sup>).
- S<sub>b</sub>': Composite section modulus for the bottom fiber of the prestressed beam (in<sup>3</sup>).
- S<sub>t</sub>: Non-composite section modulus for the top fiber of the prestressed beam (in<sup>3</sup>).
- S<sub>t</sub>': Composite section modulus for the top fiber of the prestressed beam (in<sup>3</sup>).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M<sub>DC1</sub>: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M<sub>DC2</sub>: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M<sub>DW</sub>: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M<sub>L + IM</sub>: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

Notes:  
See sheet 8 of 18 for Section A-A.

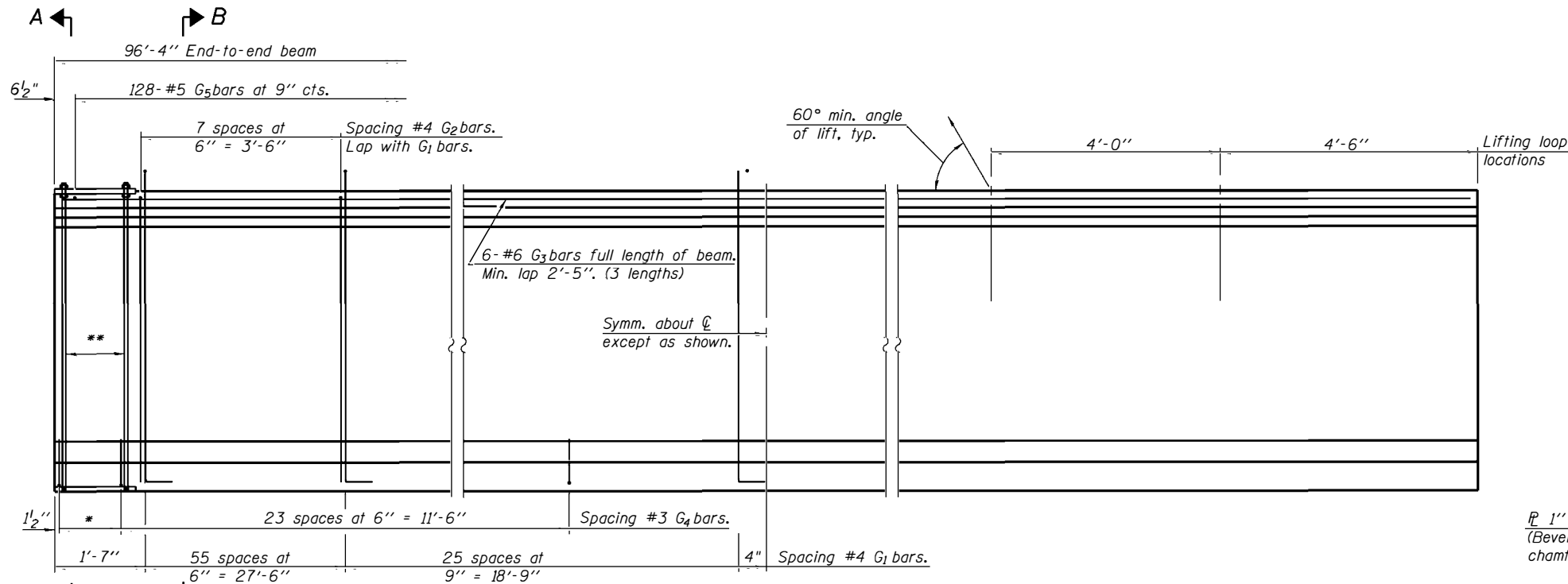
DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

FRAMING PLAN  
S.N. 059-3309

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

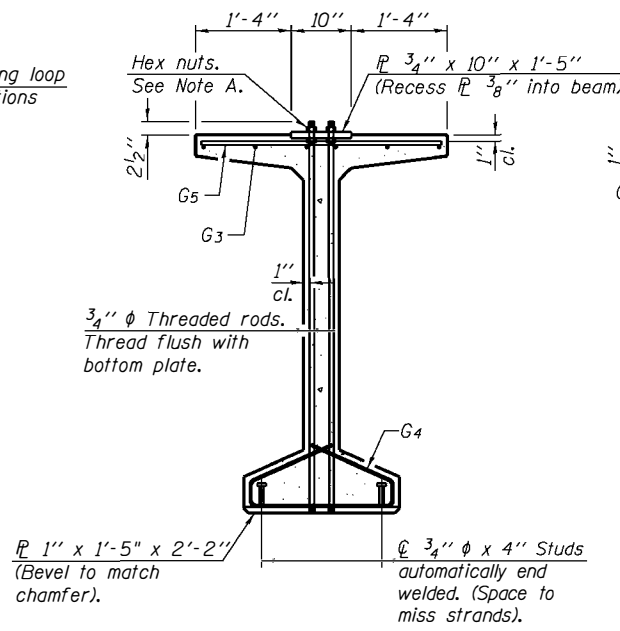
SHEET NO. 12 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 38
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



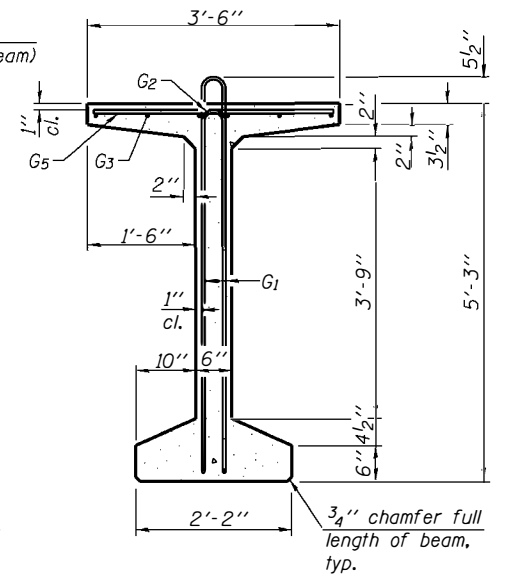
A ← → B  
\* 4 spaces at 3/4" = 1'-1".  
\*\* 5-3/4" φ threaded dowel rods at 3/4" cts., each face.

**ELEVATION OF BEAM**  
(Showing reinforcement & dimensions)

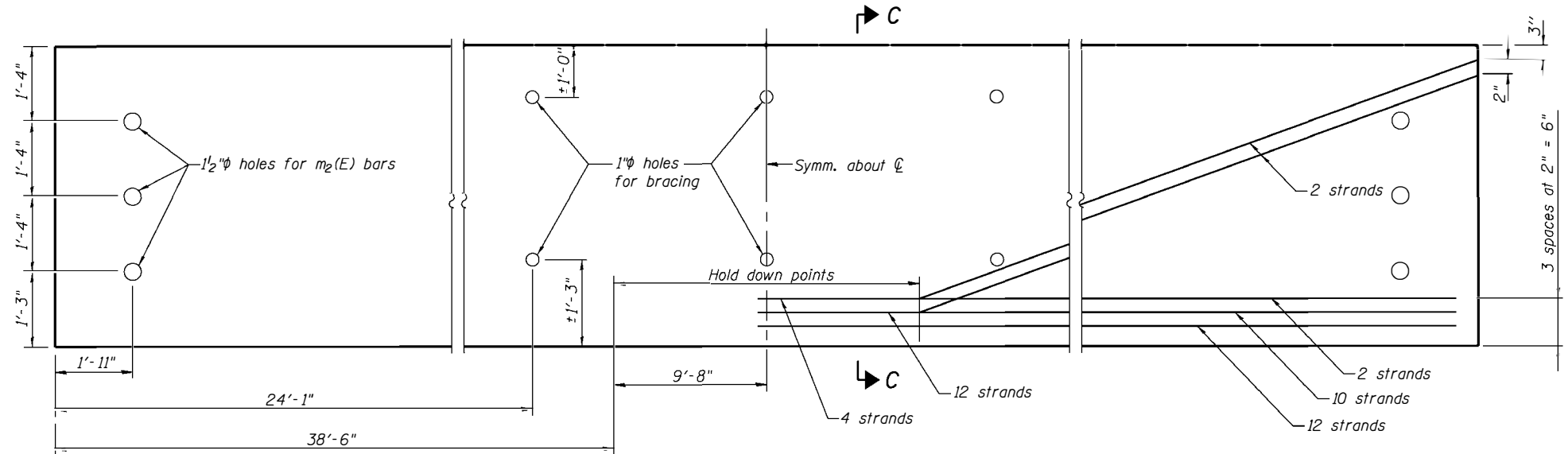
Note A:  
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.



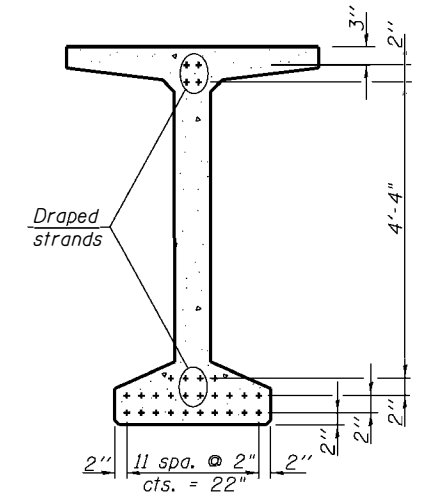
**SECTION A-A**



**SECTION B-B**



**ELEVATION OF BEAM**  
(Showing prestressing steel)

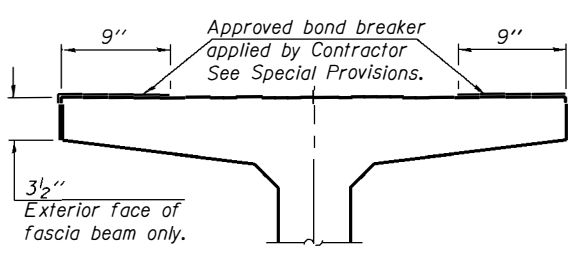


**SECTION C-C**

**\*\*\*BAR LIST  
ONE BEAM ONLY**

Bar	No.	Size	Length	Shape
G1	162	#4	12'-1"	⊏
G2	16	#4	10'-2"	⊏
G3	18	#6	33'-9"	—
G4	56	#3	4'-11"	⊏
G5	128	#5	3'-4"	—

\*\*\*For information only  
Notes:  
See sheet 13 of 18 for additional details and Bill of Material.  
Required release strength, f'ci, shall be 5000 psi.  
Apply approved bond breaker as shown in Section thru Top Flange full length of beam. See Special Provisions.



**SECTION THRU TOP FLANGE**  
(Showing limits of bond breaker)

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

**63" PPC BULB T-BEAM  
S.N. 059-3309**

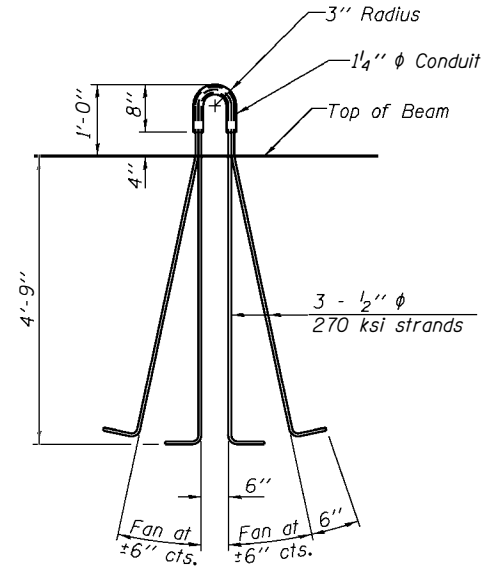
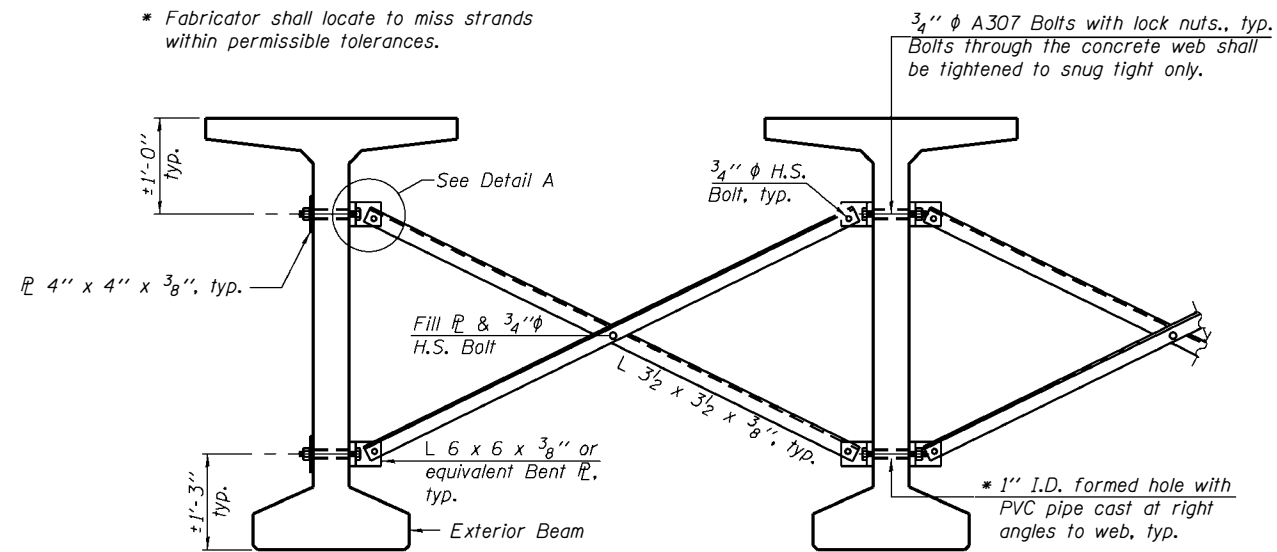
McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 13  18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 39
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

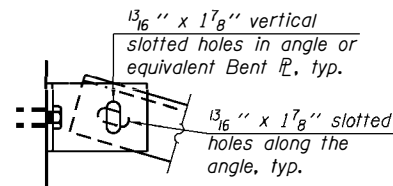
**NOTES**

Inserts for 3/4"  $\phi$  threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). A minimum 2 1/2"  $\phi$  lifting pin shall be used to engage the lifting loops during handling. The top and bottom plates shall be AASHTO M270 Grade 50. The bottom plates and studs shall be galvanized according to AASHTO M111. Top plates and threaded rods need not be galvanized. Threaded rods shall be ASTM F 1554 Grade 55.



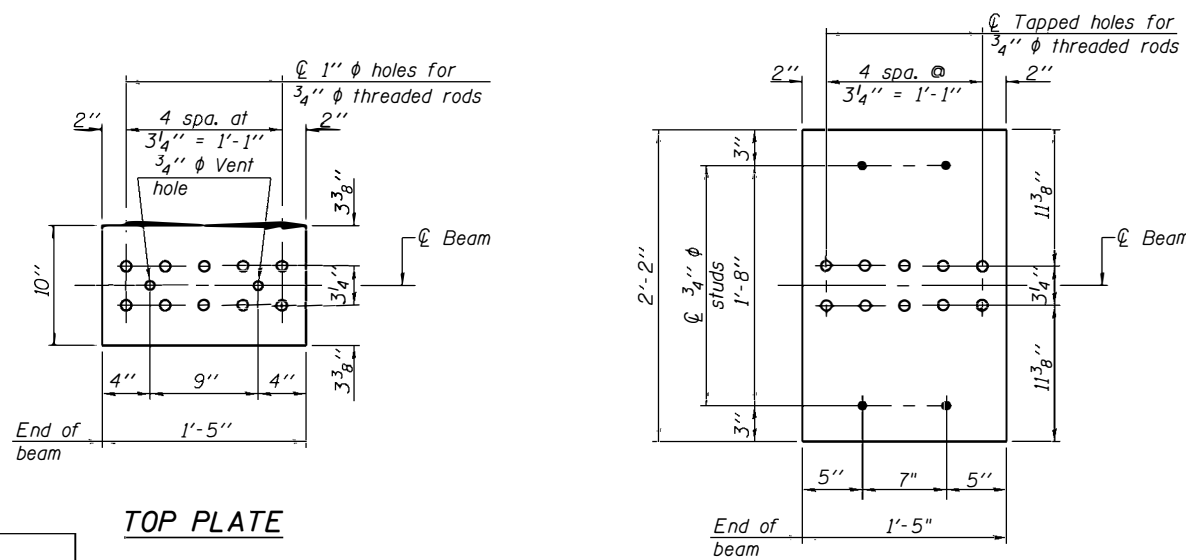
LIFTING LOOP DETAIL

Notes:  
All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted. Two hardened washers are required for each set of oversized holes. All holes shall be 1/16"  $\phi$  unless otherwise noted. 3/16" x 3" x 3" plate washers are required over all slotted holes. All bolts shall be galvanized according to AASHTO M232. Bracing shall be installed as beams are erected and tightened as soon as possible during erection. Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams.



DETAIL A

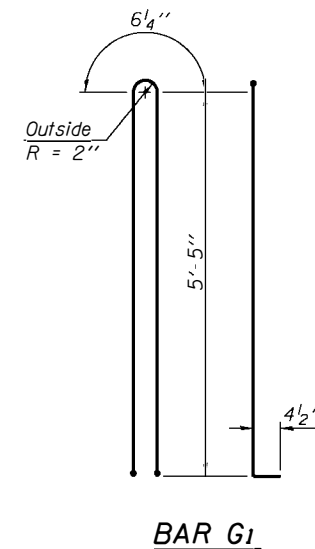
**PERMANENT BRACING DETAILS FOR BULB-T BEAMS**



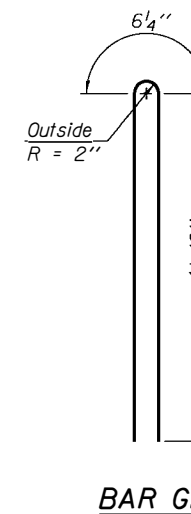
TOP PLATE

BOTTOM PLATE

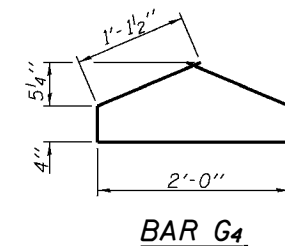
See bearing details for pintle hole locations when required.



BAR G1



BAR G2



BAR G4

**BILL OF MATERIAL**

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 63"	Ft.	578

**63" PPC BULB T-BEAM DETAILS S.N. 059-3309**

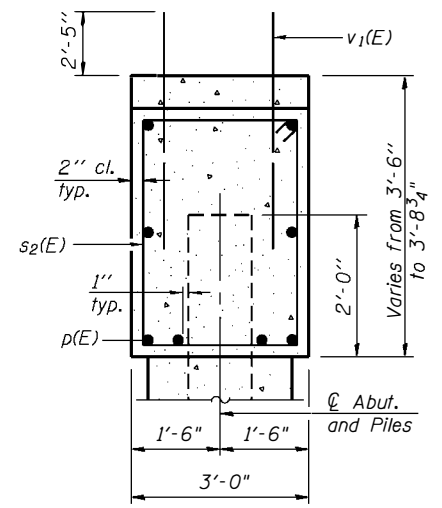
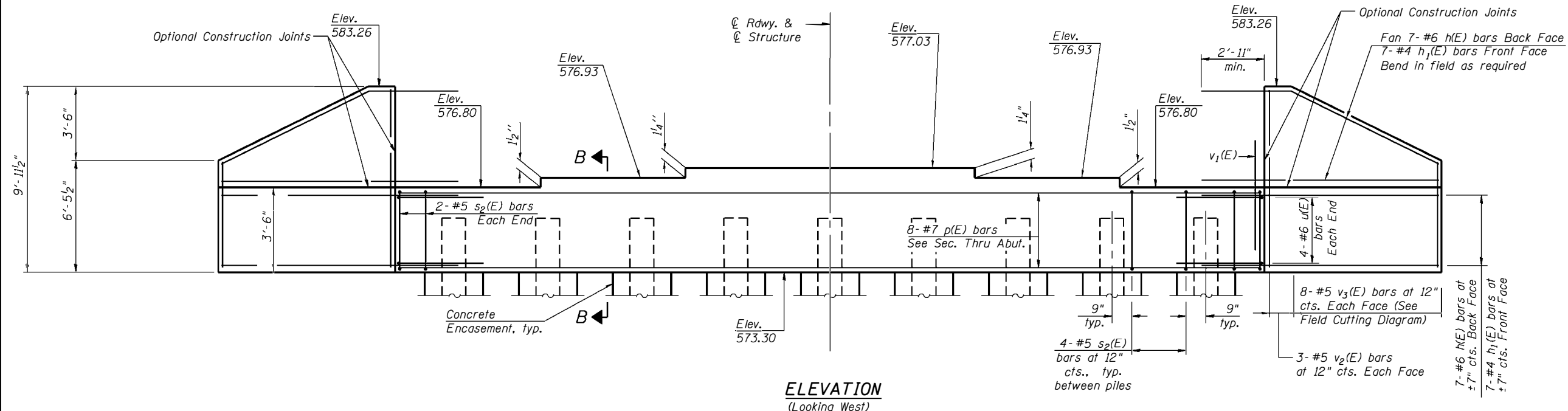
DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

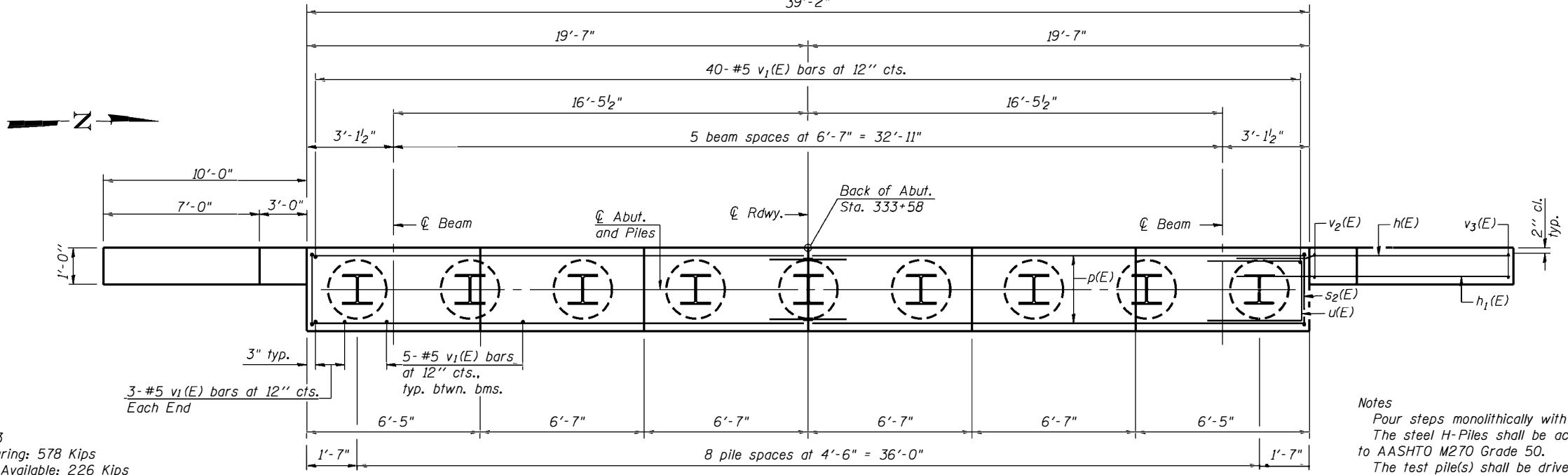
SHEET NO. 14 18 SHEETS	F.A.S. RTE. 736	SECTION 01-0080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 40
	CONTRACT NO. 93795			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



**ELEVATION**  
(Looking West)  
39'-2"

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
h(E)	28	#6	14'-0"	—	
h1(E)	28	#4	14'-0"	—	
p(E)	8	#7	38'-10"	—	
s2(E)	36	#5	12'-7"	□	
u(E)	8	#6	7'-9"	□	
v1(E)	71	#5	4'-7"	—	
v2(E)	12	#5	9'-7"	—	
v3(E)	16	#5	15'-8"	—	
Concrete Structures				Cu. Yd.	22.2
Reinforcement Bars, Epoxy Coated				Pound	2780
Furnishing Steel Piles HP14x73				Foot	488
Driving Piles				Foot	488
Test Pile Steel HP14x73				Each	1
Concrete Encasement				Cu. Yd.	4.9

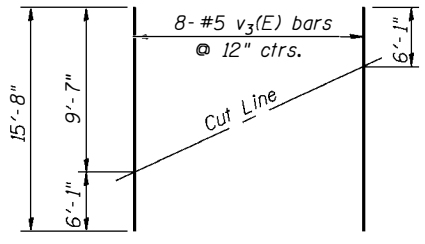


**PLAN**

Notes  
Pour steps monolithically with cap.  
The steel H-Piles shall be according to AASHTO M270 Grade 50.  
The test pile(s) shall be driven to 110 percent of the Nominal Required Bearing indicated on the pile data information.

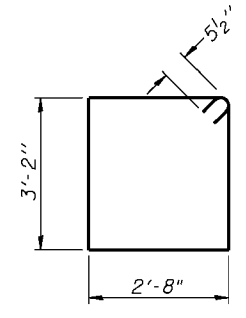
**PILE DATA**  
Type: Steel HP 14x73  
Nominal Required Bearing: 578 Kips  
Factored Resistance Available: 226 Kips  
Est. Length: 61 ft  
No. Production Piles: 9 (Includes Test Pile)  
No. Test Piles: 1

Piles shall be driven through 24" Min. diameter precored holes extending to elevation 550.0 according to Article 512.09(c) of the Standard Specifications.  
Cost included in driving piles.

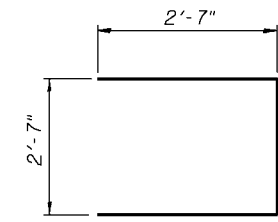


**FIELD CUTTING DIAGRAM**

Order v3(E) full length. Cut as shown and use remainder of bars in opposite face.



**BARS s2(E)**



**BAR u(E)**

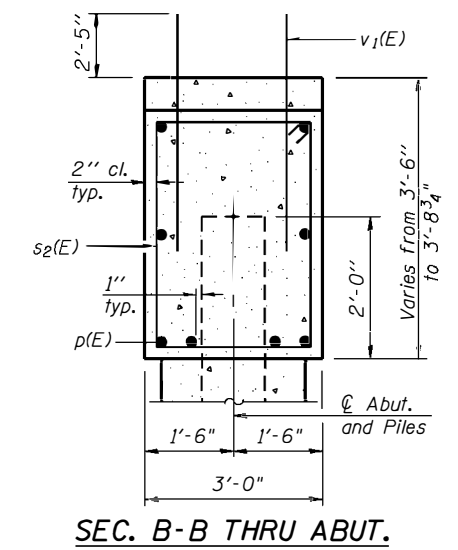
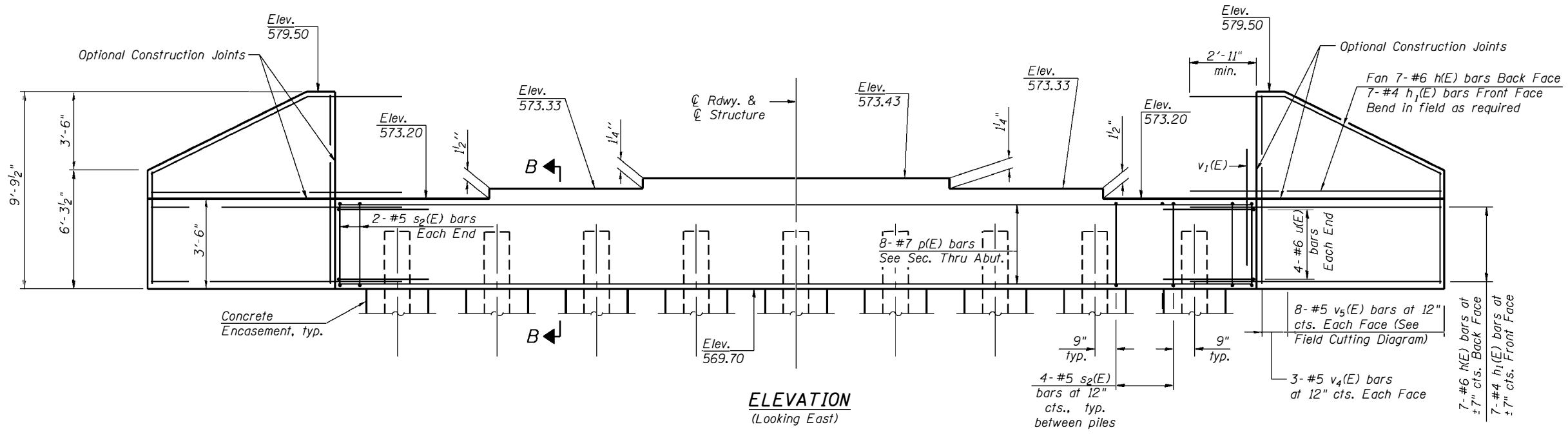
DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

**WEST ABUTMENT**  
S.N. 059-3309

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

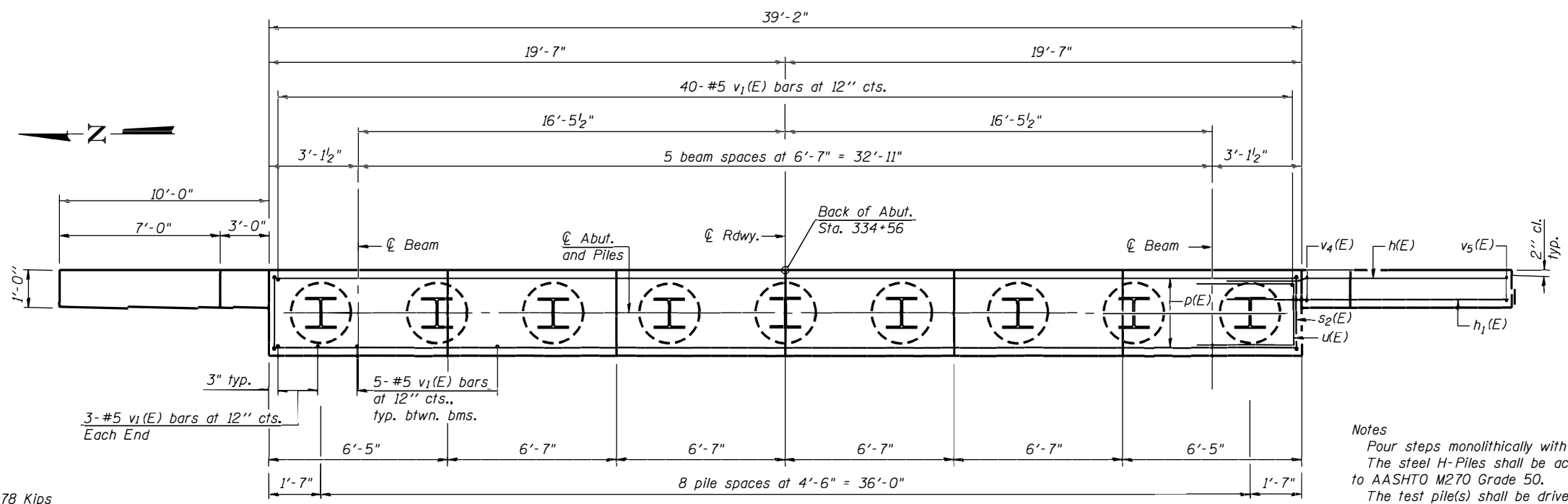
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 15 18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	41
	CONTRACT NO. 93795				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



**ELEVATION**  
(Looking East)

**SEC. B-B THRU ABUT.**



**PLAN**

**BILL OF MATERIAL**

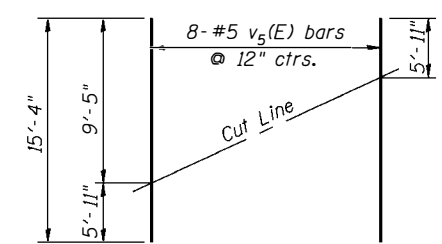
Bar	No.	Size	Length	Shape
h(E)	28	#6	14'-0"	—
h1(E)	28	#4	14'-0"	—
p(E)	8	#7	38'-10"	—
s2(E)	36	#5	12'-7"	□
u(E)	8	#6	7'-9"	□
v1(E)	71	#5	4'-7"	—
v4(E)	12	#5	9'-5"	—
v5(E)	16	#5	15'-4"	—

**PILE DATA**

Type: Steel HP 14x73  
Nominal Required Bearing: 578 Kips  
Factored Resistance Available: 226 Kips  
Est. Length: 69 ft  
No. Production Piles: 9 (Includes Test Pile)  
No. Test Piles: 1

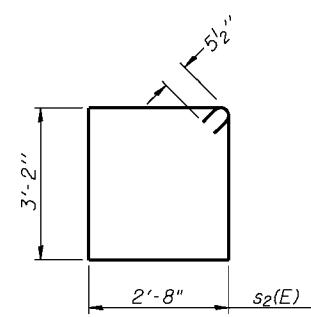
Piles shall be driven through 24" Min. diameter precored holes extending to elevation 550.0 according to Article 512.09(c) of the Standard Specifications. Cost included in driving piles.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

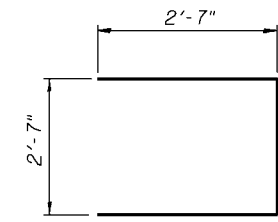


**FIELD CUTTING DIAGRAM**

Order v5(E) full length. Cut as shown and use remainder of bars in opposite face.



**BARS s2(E)**



**BAR u(E)**

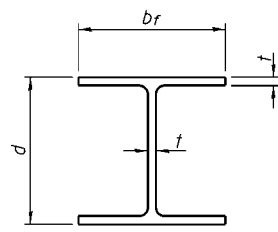
**Notes**  
Pour steps monolithically with cap.  
The steel H-Piles shall be according to AASHTO M270 Grade 50.  
The test pile(s) shall be driven to 110 percent of the Nominal Required Bearing indicated on the pile data information.

**EAST ABUTMENT**  
S.N. 059-3309

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

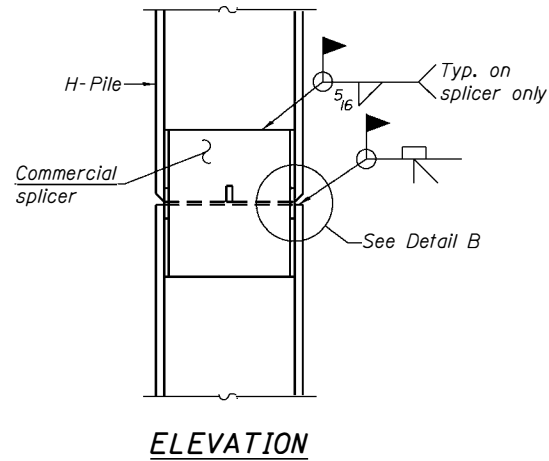
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 16 18 SHEETS	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 42
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93795	

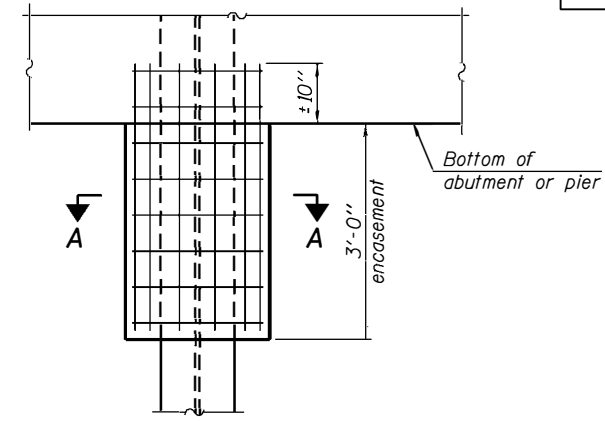


STEEL PILE TABLE

Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

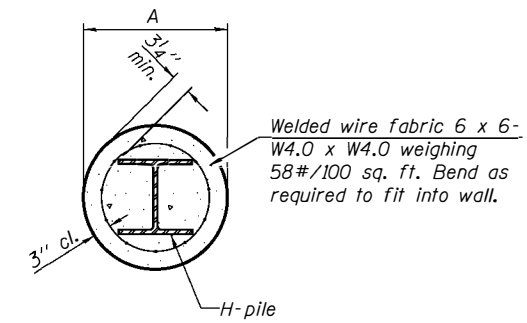


ELEVATION



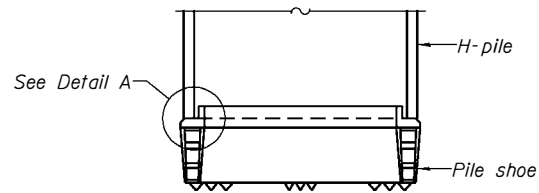
ELEVATION

PILE ENCASEMENT

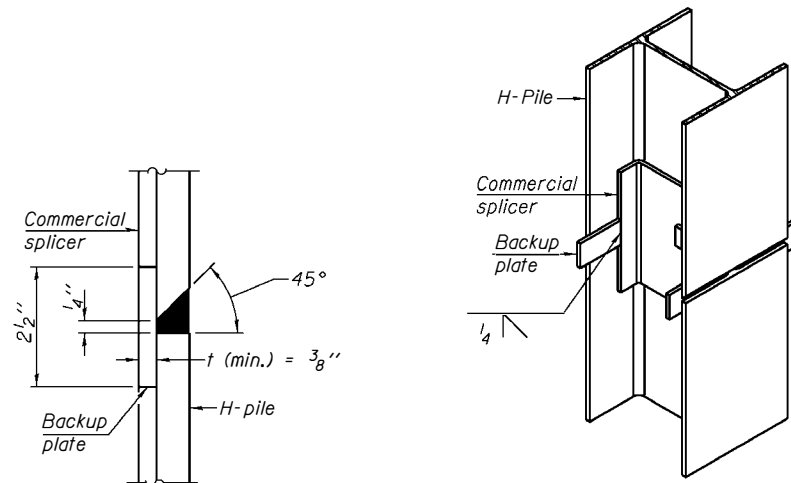


SECTION A-A

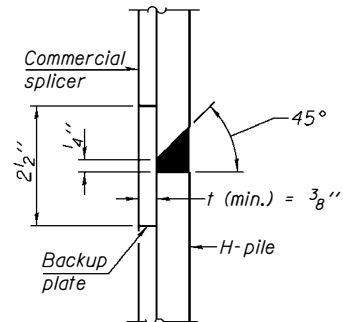
Note:  
Forms for encasement may be omitted when soil conditions permit.



ELEVATION

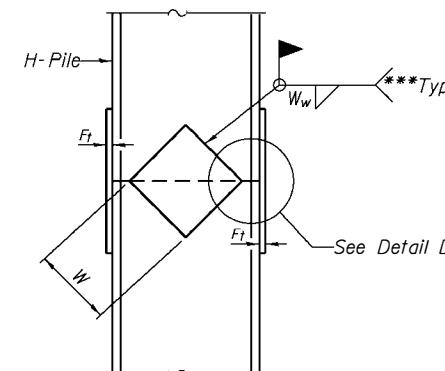


ISOMETRIC VIEW

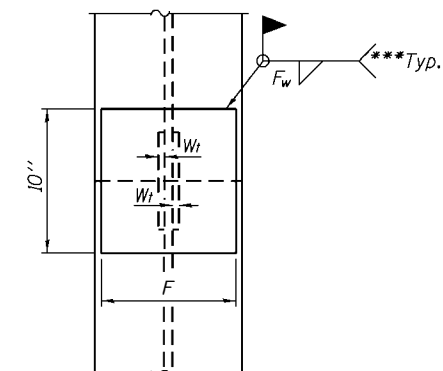


DETAIL "B"

WELDED COMMERCIAL SPLICE

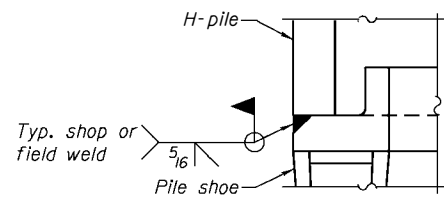


ELEVATION



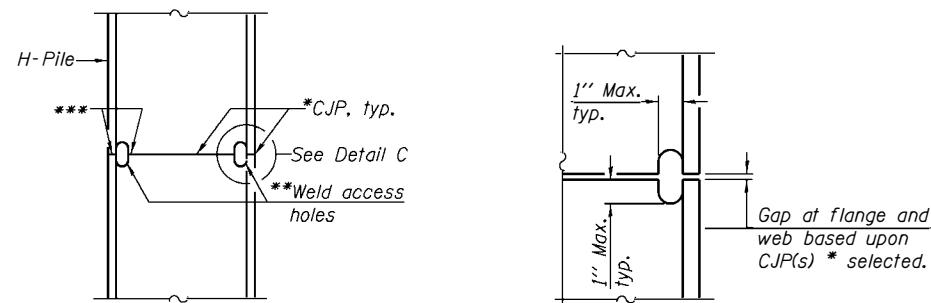
END VIEW

Designation	F	F <sub>t</sub>	F <sub>w</sub>	W	W <sub>t</sub>	W <sub>w</sub>
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



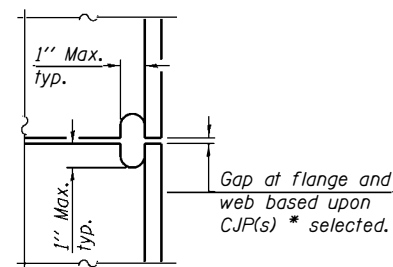
DETAIL A

H-PILE SHOE ATTACHMENT

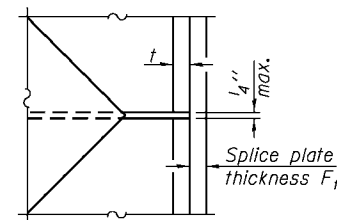


ELEVATION

COMPLETE PENETRATION WELD SPLICE



DETAIL C



DETAIL D

WELDED PLATE FIELD SPLICE

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

F-HP

9-3-07

\*Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.

\*\*Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.

\*\*\*Interrupt welds 1/4" from end of each pile.

PILE DETAILS  
S.N. 059-3309

McDonough-Whitlow, P.C.  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 17  18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	736	01-00080-00-FP	MACOUPIN	112	43
	CONTRACT NO. 93795				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

**SOIL BORING LOG**

Page 1 of 2  
Date 01/23/08

ROUTE FAS 736 DESCRIPTION Bridge Boring - Girder Branch LOGGED BY SCI

SECTION 01-00080-00-FP LOCATION Brighton Township, SEC. 13, TWP. 7N, RNG. 9W

COUNTY Macoupin DRILLING METHOD CME 75 w/CFA HAMMER TYPE Automatic

STRUCT. NO. \_\_\_\_\_  
Station \_\_\_\_\_

BORING NO. B-201  
Station 333+30  
Offset 10 ft L  
Ground Surface Elev. 570.0 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)	Surface Water Elev.		Stream Bed Elev.		DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)
				ft	ft	ft	ft				
				Groundwater Elev.:		Groundwater Elev.:					
				First Encounter		First Encounter					
				Upon Completion		Upon Completion					
				After _____ Hrs.		After _____ Hrs.					
TOPSOIL - 2 inches				CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)							
FILL: Brown, low plastic sandy clay (A-4)				3				4			
				3	4.5			5	1.3		14
				5	P			7	B		
FILL: Brown, low plastic sandy clay (A-6)				2				5			
				2	0.6			7	5.2		12
				2	S/15			9	B		
SANDY CLAY: Brown, low plastic (A-6)				2				4			
				2	0.6			7	2.3		13
				2	S/15			9	B		
				2				5			
				3	0.9			6	2.7		13
				3	S/15			7	B		
SANDY CLAY: Brown, low plastic (A-4)				2				6			
				2	0.4			7			
				3	B			7			
CLAY: Brown, high plastic, some sand, trace gravel (A-7)				3				6			
				5	3.1			7	3.1		14
				5	B			7	B		
				3							
				5	4.2						
				6	B						
				3				5			
				5	2.9			6	2.9		14
				7	B			7	B		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

84

**Illinois Department of Transportation**  
Division of Highways  
SCI Engineering, Inc.

**SOIL BORING LOG**

Page 2 of 2  
Date 01/23/08

ROUTE FAS 736 DESCRIPTION Bridge Boring - Girder Branch LOGGED BY SCI

SECTION 01-00080-00-FP LOCATION Brighton Township, SEC. 13, TWP. 7N, RNG. 9W

COUNTY Macoupin DRILLING METHOD CME 75 w/CFA HAMMER TYPE Automatic

STRUCT. NO. \_\_\_\_\_  
Station \_\_\_\_\_

BORING NO. B-201  
Station 333+30  
Offset 10 ft L  
Ground Surface Elev. 570.0 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)	Surface Water Elev.		Stream Bed Elev.		DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)
				ft	ft	ft	ft				
CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)											
				5				5			
				5	1.2			6	1.8		
				6	B			6			
				6				6			
				5				5			
				5	2.6			6	1.9		
				6	B			6			
CLAYEY SHALE: Bluish gray and brown Becomes brown, bluish gray, and olive gray				50/3"	4.5			50/3"	4.5		20
					P						
				50/2"	4.5			50/2"	4.5		16
					P						
				50/2"	4.5			50/2"	4.5		12
					P						
				50/2"	4.5			50/2"	4.5		14
					P						
Becomes gray				511.3				511.3			
Boring terminated at 59 ft											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

85

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

**BORING LOGS**  
**S.N. 059-3309**

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
9025 Illinois Route 127, P.O. Box A  
Taylor Springs, IL 62089  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN No. 184-002754



Table with metadata: SHEET NO. 18, F.A.S. RTE. 736, SECTION 01-00080-00-FP, COUNTY MACOUPIN, TOTAL SHEETS 112, SHEET NO. 44, CONTRACT NO. 93795, FED. ROAD DIST. NO., ILLINOIS, FED. AID PROJECT.



SOIL BORING LOG

ROUTE FAS 736 DESCRIPTION Bridge Boring - Girder Branch LOGGED BY SCI

SECTION 01-00080-00-FP LOCATION Brighton Township, SEC. 13, TWP. 7N, RING. 9W

COUNTY Macoupin DRILLING METHOD CME 75 w/CFA HAMMER TYPE Automatic

Table with columns for Soil Description, Depth (ft), Blows (B), Penetration (P), Undersize (U), Moisture (M), and Soil Classification (S). Includes entries for CRUSHED ROCK, FILL, CLAY, CLAYEY SAND, and SILT.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAS 736 DESCRIPTION Bridge Boring - Girder Branch LOGGED BY SCI

SECTION 01-00080-00-FP LOCATION Brighton Township, SEC. 13, TWP. 7N, RING. 9W

COUNTY Macoupin DRILLING METHOD CME 75 w/CFA HAMMER TYPE Automatic

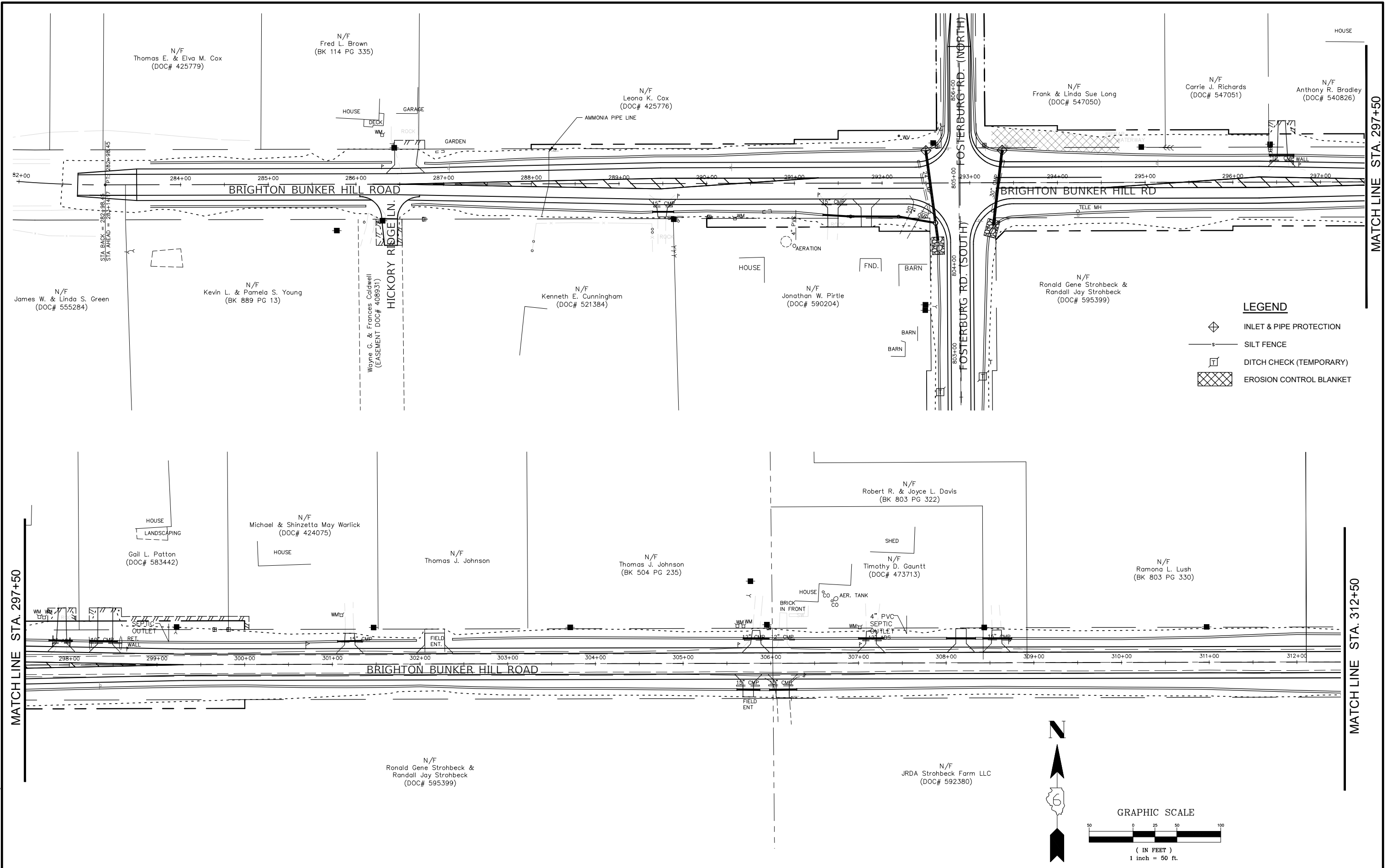
Table with columns for Soil Description, Depth (ft), Blows (B), Penetration (P), Undersize (U), Moisture (M), and Soil Classification (S). Includes entries for CLAY, SAND, and CLAYEY SHALE.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Table with design and check marks: DESIGNED KCM, CHECKED TMM, DRAWN JLM, CHECKED TMM.

BORING LOGS S.N. 059-3309

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 PLOTTED: 9/29/2022 @ 1:42:43 PM BY: hargan, chris



**LEGEND**

	INLET & PIPE PROTECTION
	SILT FENCE
	DITCH CHECK (TEMPORARY)
	EROSION CONTROL BLANKET

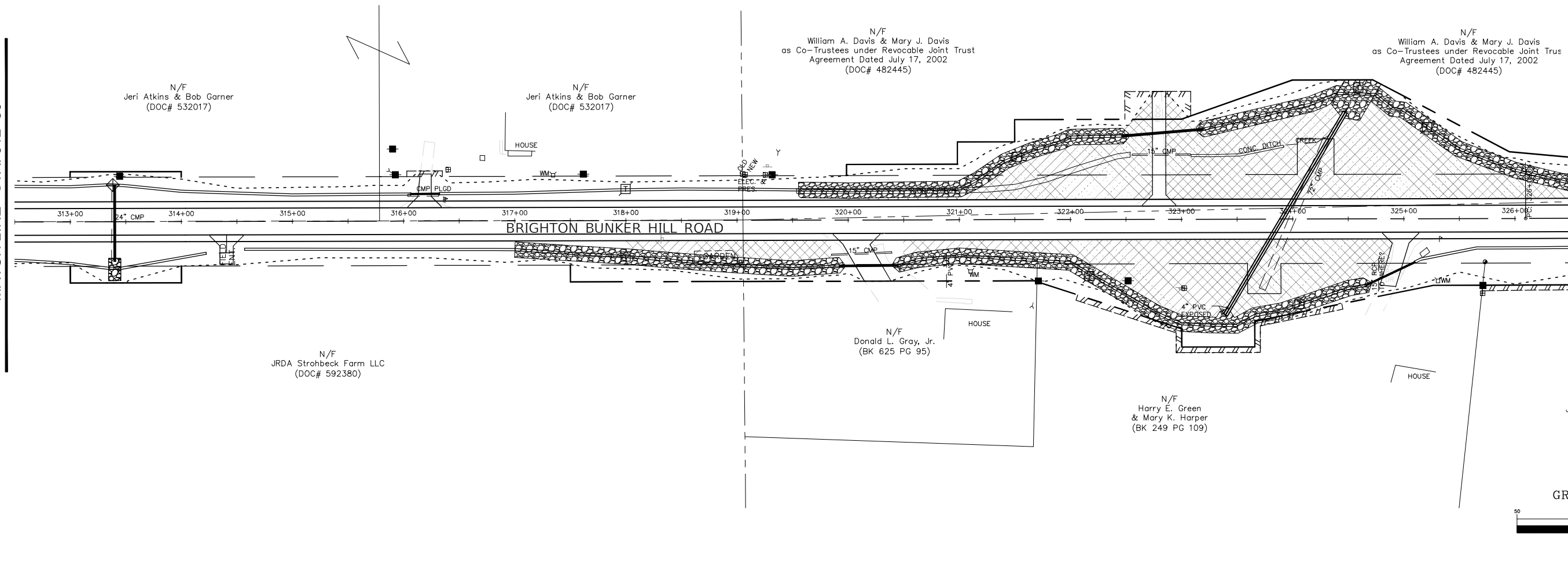
MATCH LINE STA. 297+50

MATCH LINE STA. 312+50

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL</b>	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 45		
42-45 - EROSION CONTROL PLAN.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50'	SHEET NO.45 OF 112 SHEETS	STA. NA	TO STA. NA	CONTRACT NO. 93795		
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT						

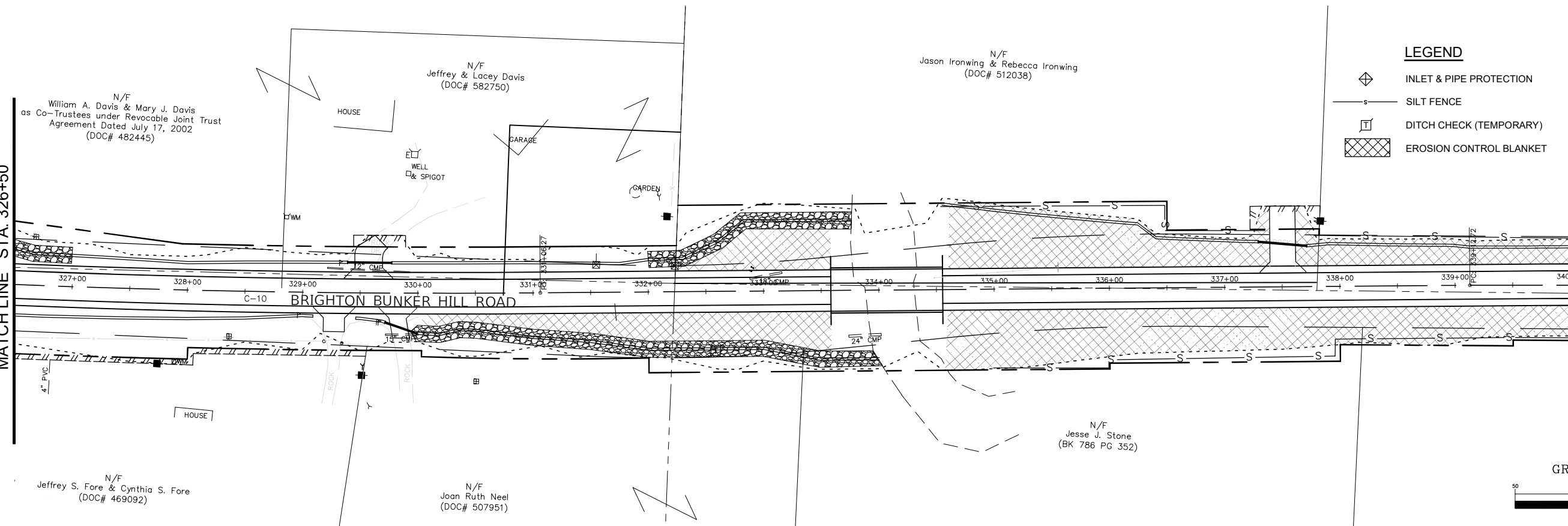
MATCH LINE STA. 312+50

MATCH LINE STA. 326+50



MATCH LINE STA. 326+50

MATCH LINE STA. 340+00



**LEGEND**

- INLET & PIPE PROTECTION
- SILT FENCE
- DITCH CHECK (TEMPORARY)
- EROSION CONTROL BLANKET

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\1630-300 drafting\sheet files\42-45 - erosion control plan.dwg  
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42-45 - EROSION CONTROL  
PLAN.DWG

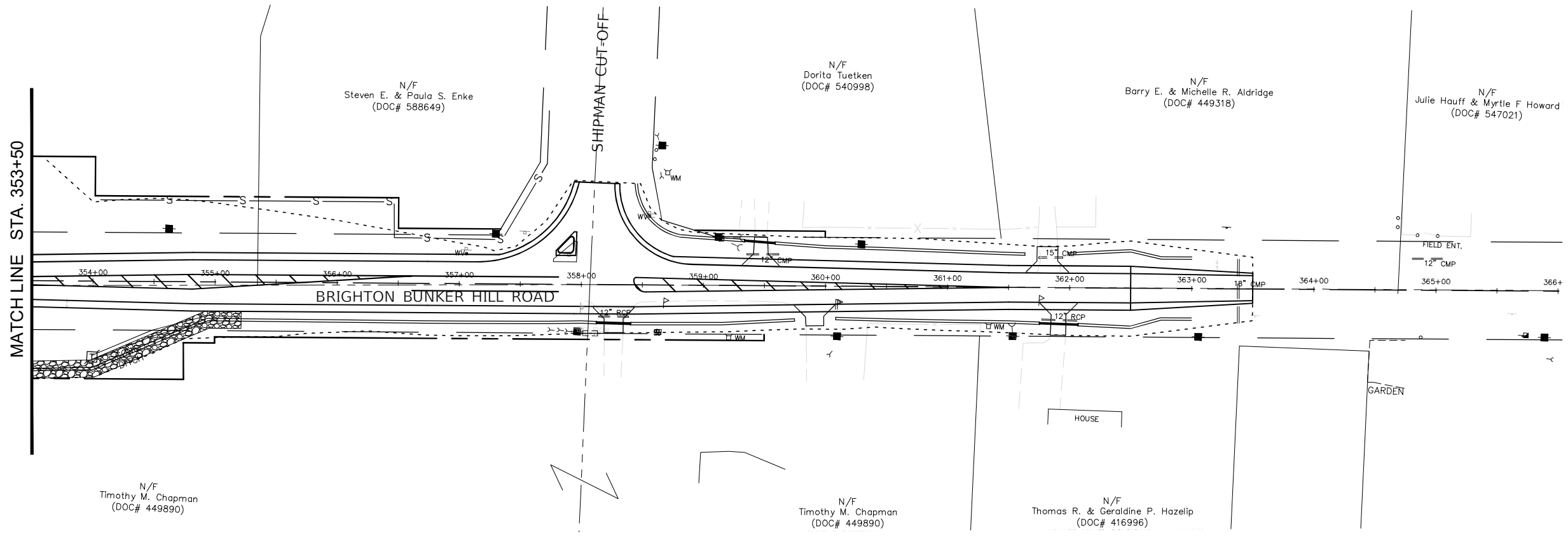
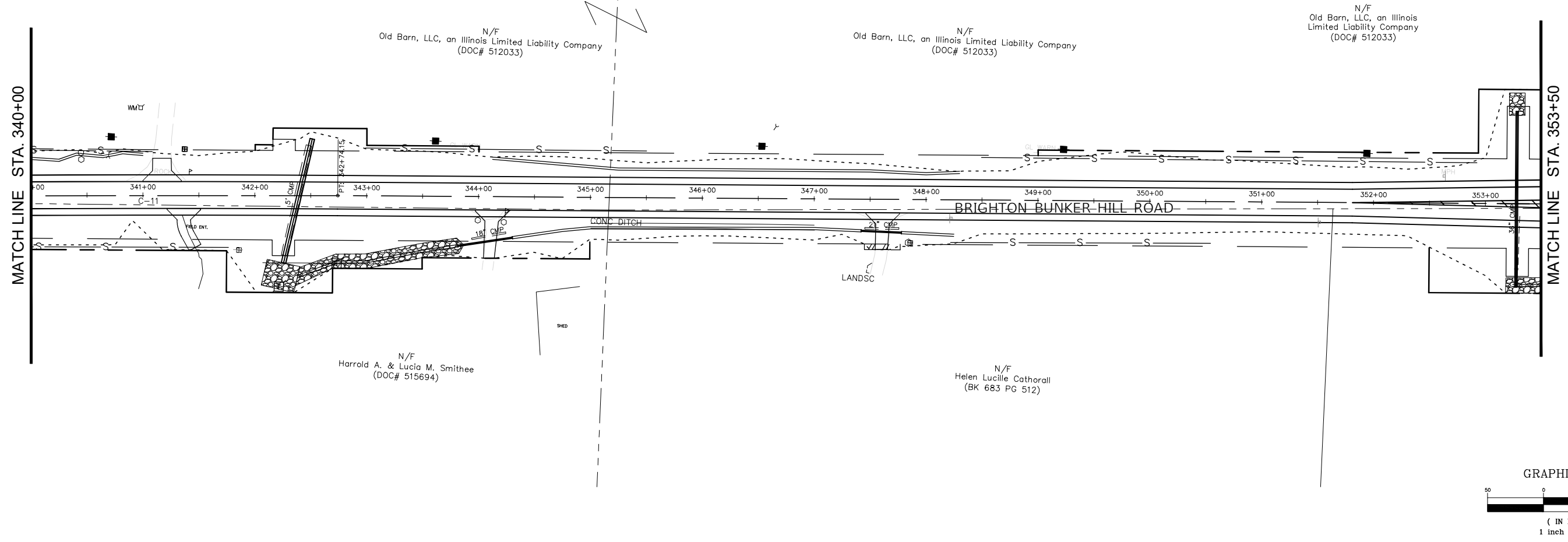
USER NAME = Hargan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL  
SCALE: 1"=50'  
SHEET NO.46 OF 112 SHEETS  
STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	46
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



**LEGEND**

	INLET & PIPE PROTECTION
	SILT FENCE
	DITCH CHECK (TEMPORARY)
	EROSION CONTROL BLANKET

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FILE NAME =  
 42-45 - EROSION CONTROL  
 PLAN.DWG

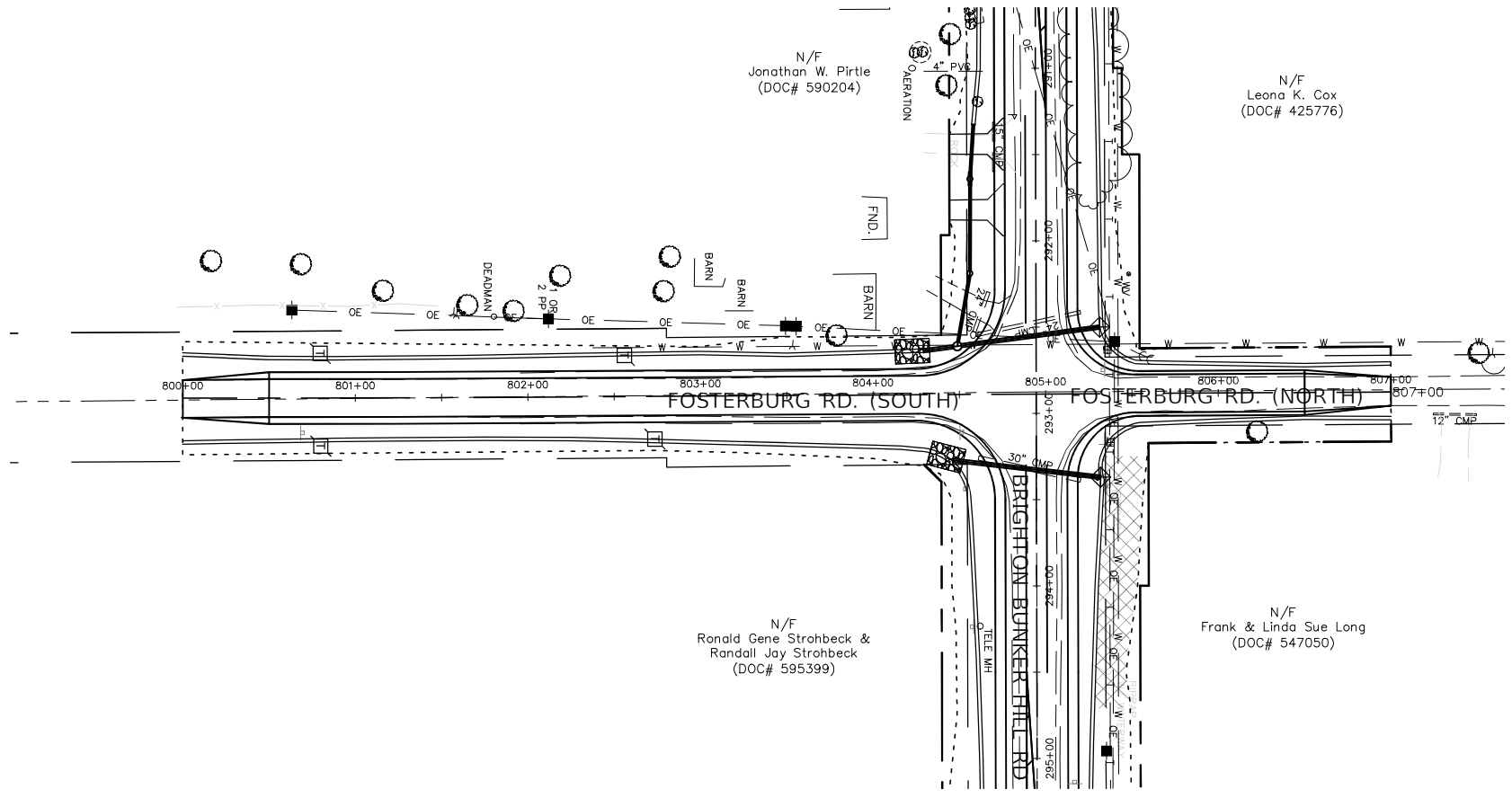
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

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

**EROSION CONTROL**  
 SCALE: 1"=50' SHEET NO.47 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 47
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

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 PLOTTED: 9/29/2022 @ 1:43:49 PM BY hargan, chris







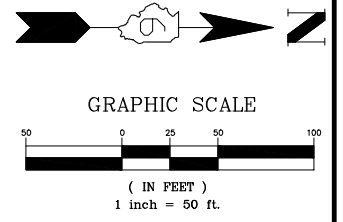
N/F  
Jonathan W. Pirtle  
(DOC# 590204)

N/F  
Leona K. Cox  
(DOC# 425776)

N/F  
Ronald Gene Strohbeck &  
Randall Jay Strohbeck  
(DOC# 595399)

N/F  
Frank & Linda Sue Long  
(DOC# 547050)

- LEGEND**
-  INLET & PIPE PROTECTION
  -  SILT FENCE
  -  DITCH CHECK (TEMPORARY)
  -  EROSION CONTROL BLANKET



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL**

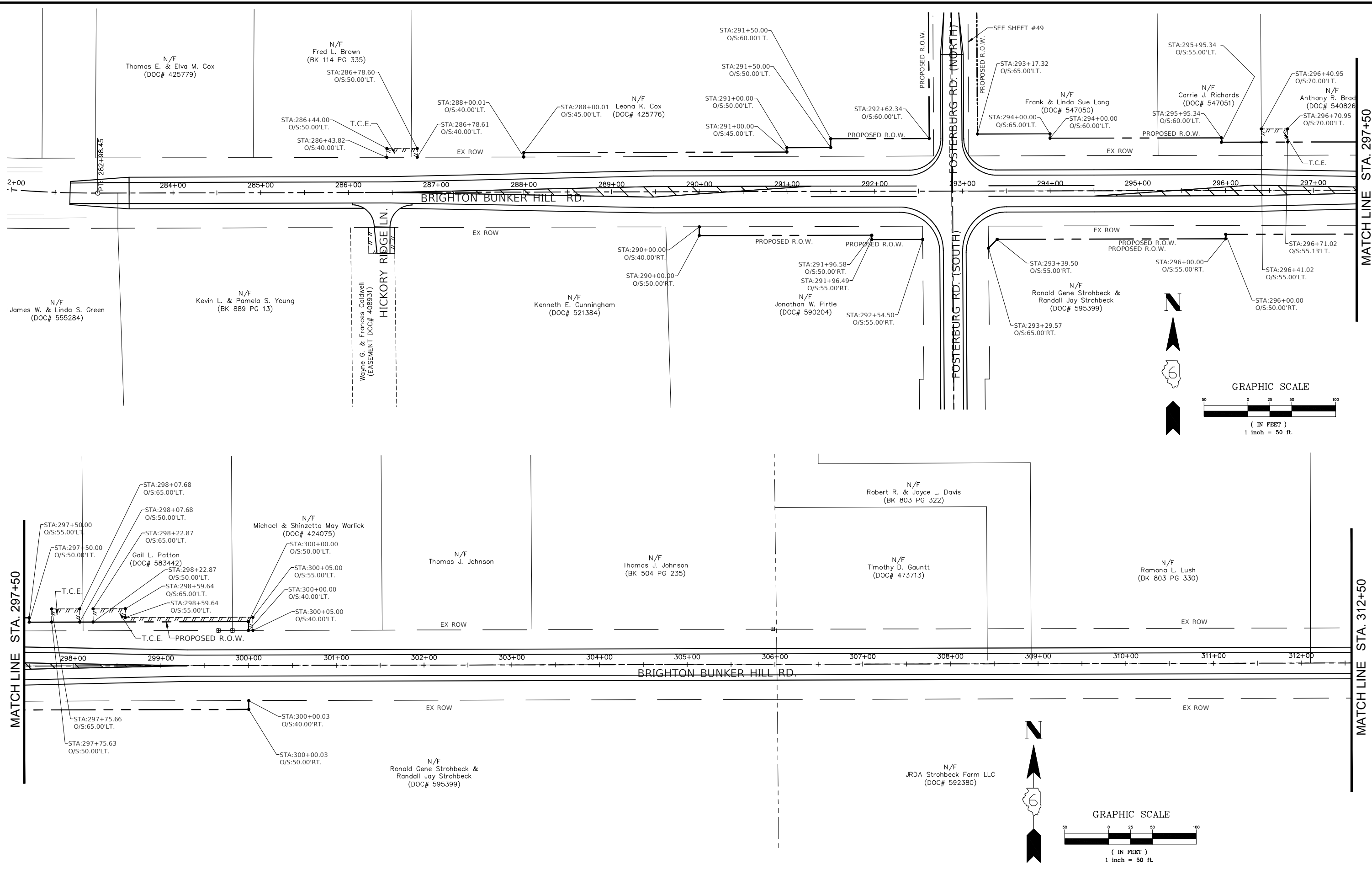
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	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

SCALE: 1"=50'	SHEET NO.48 OF 112 SHEETS	STA. NA	TO STA. NA
---------------	---------------------------	---------	------------

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 48
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



PATH: \\hared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\46-49 - right of way.dwg  
 PLOTTED: 9/29/2022 @ 1:47:18 PM BY hargan, chris



FILE NAME = 46-49 - RIGHT OF WAY.DWG

USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -
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PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

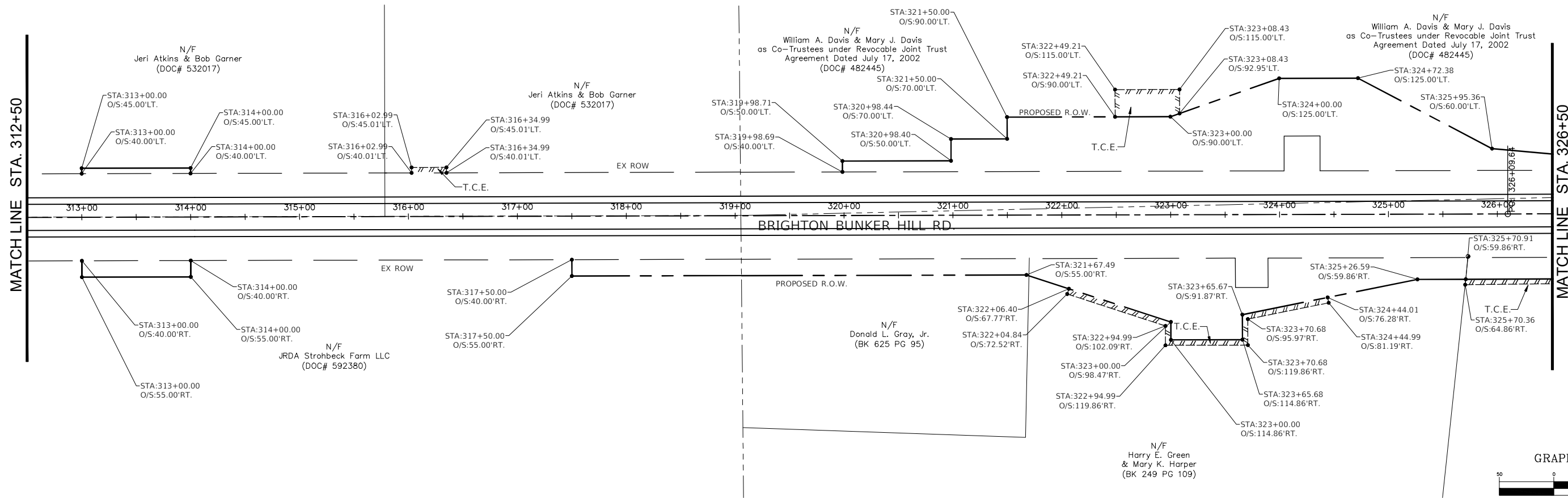
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY**

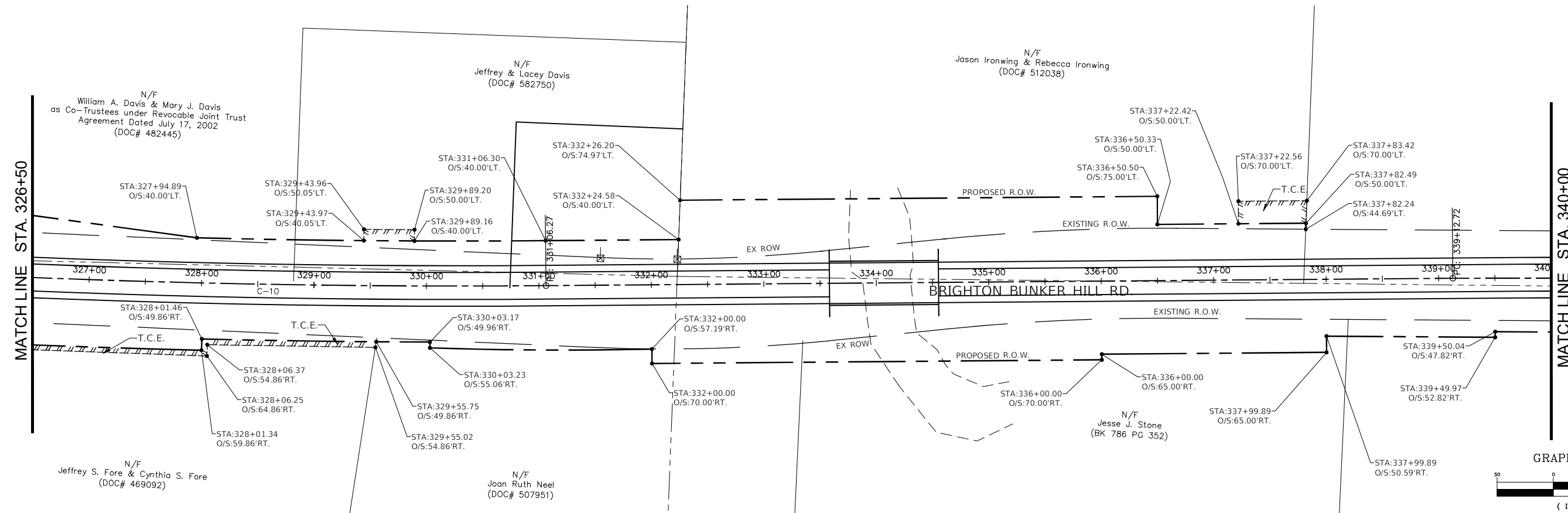
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F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 49
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

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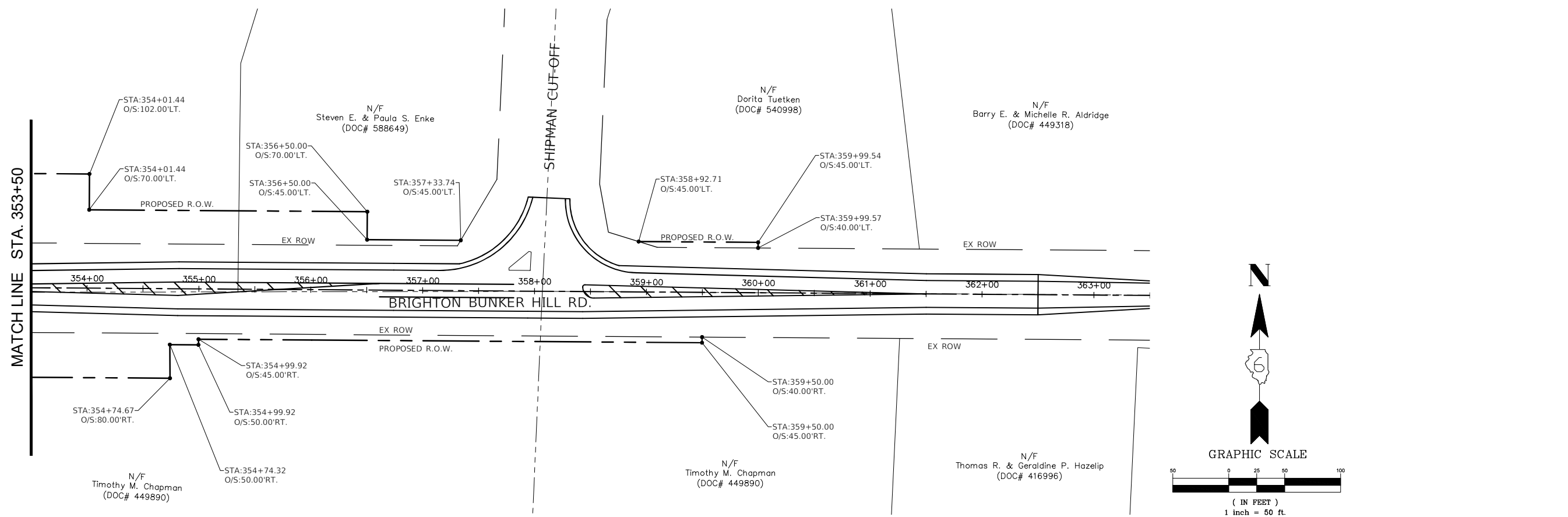
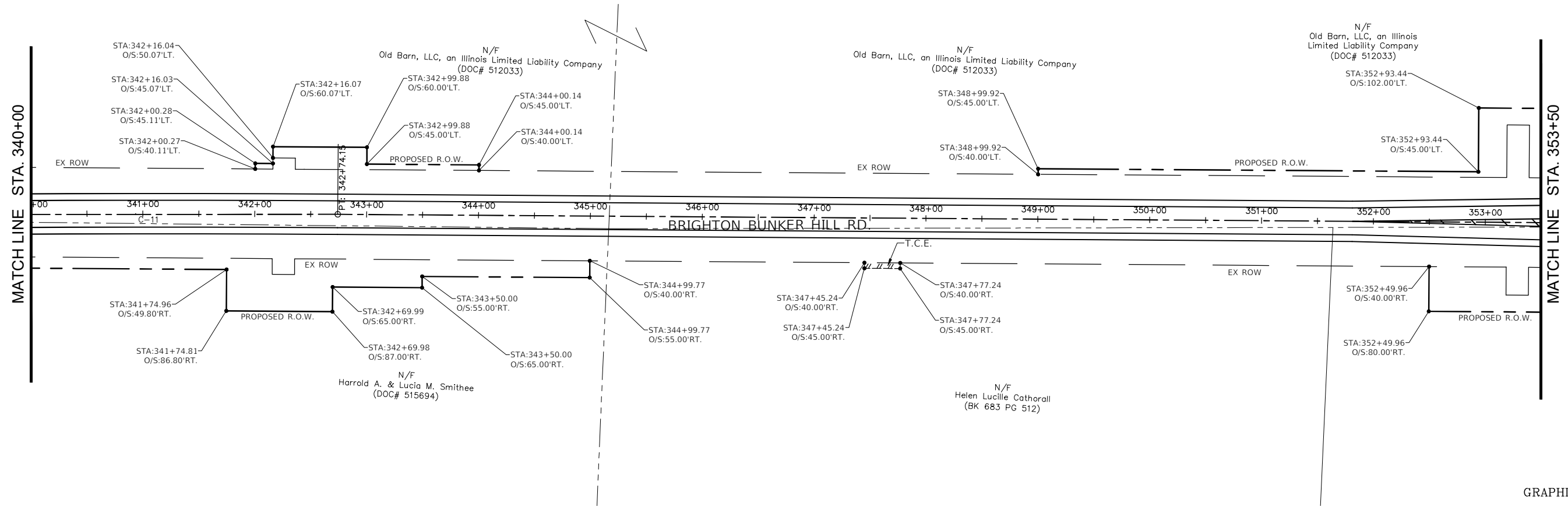


GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 50 ft.



GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 50 ft.

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
46-49 - RIGHT OF WAY.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -			736	01-00080-00-FP	MACOUPIN	112	50	
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -			CONTRACT NO. 93795					
		DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT					



PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\46-49 - right of way.dwg  
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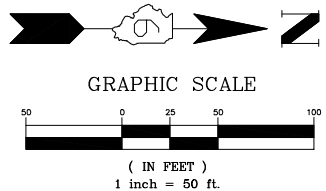
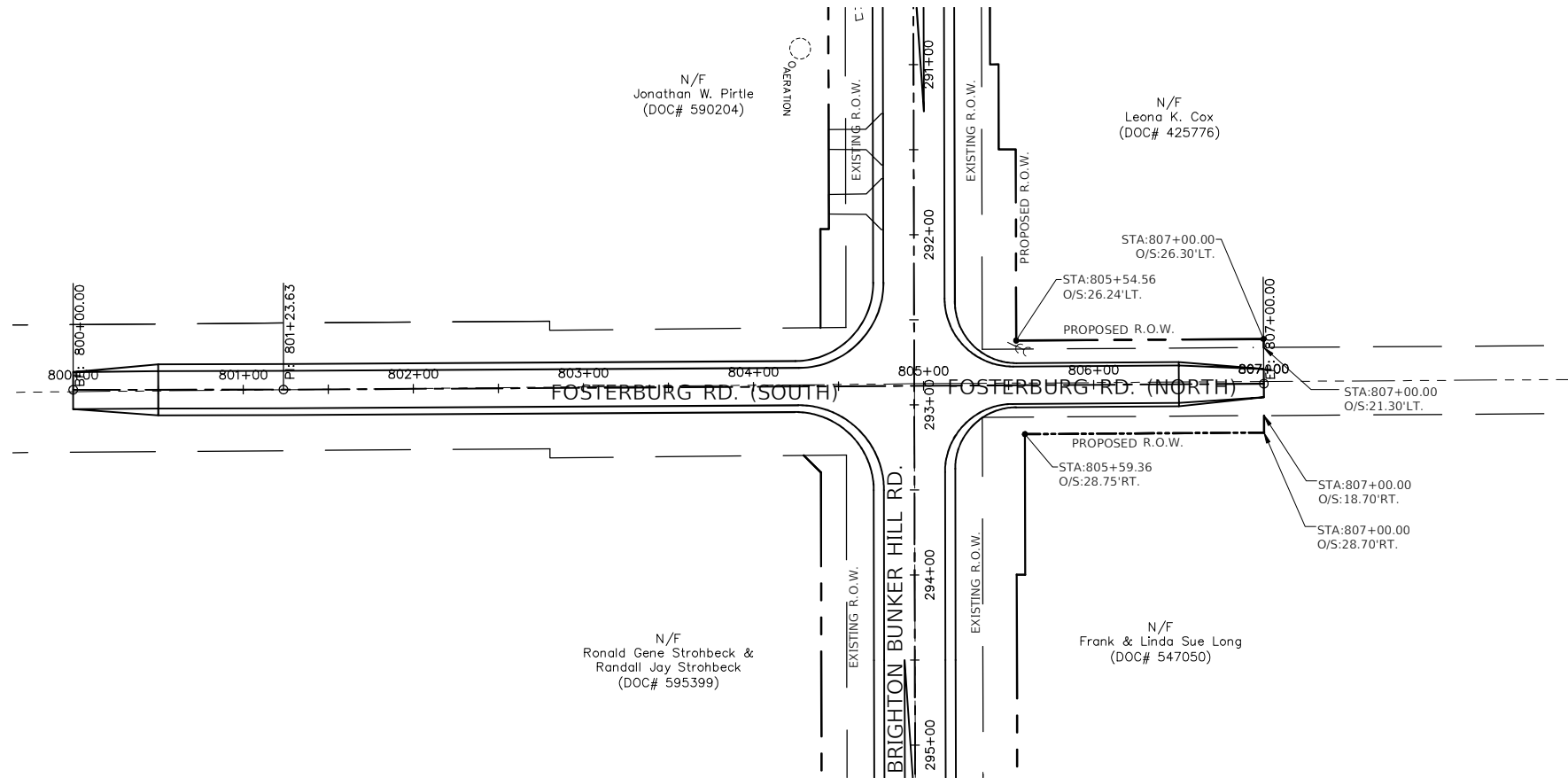
FILE NAME = 46-49 - RIGHT OF WAY.DWG  
 USER NAME = Hargan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL	REVISED -
DRAWN - RDS	REVISED -
CHECKED - CAW	REVISED -
DATE - 9/29/2022	REVISED -

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

**RIGHT OF WAY**  
 SCALE: 1"=50' SHEET NO.51 OF 112 SHEETS STA. NA TO STA. NA

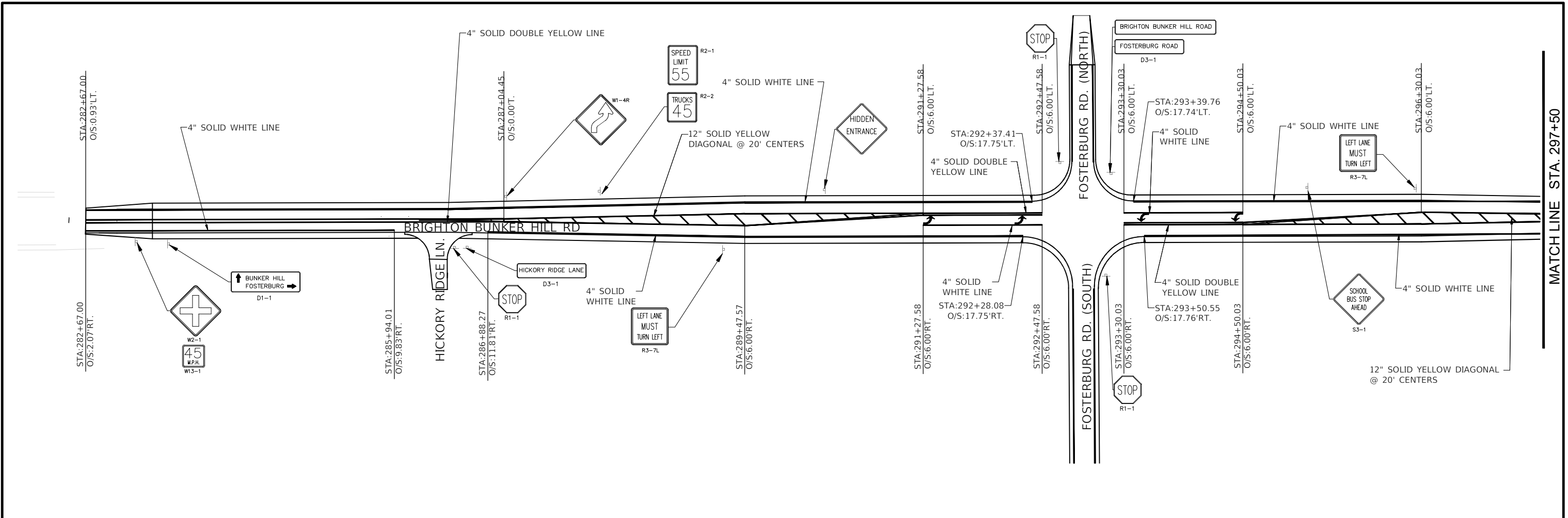
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	51
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



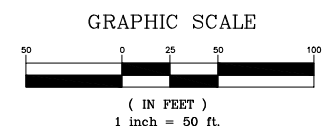
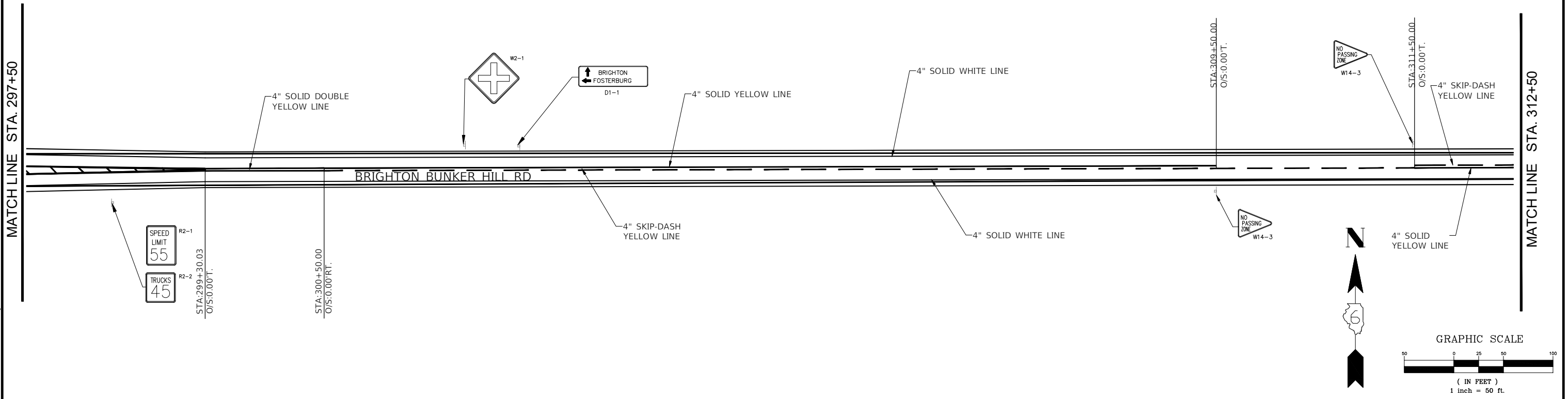
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FILE NAME = 46-49 - RIGHT OF WAY.DWG	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY</b>	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 52			
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50' SHEET NO.52 OF 112 SHEETS STA. NA TO STA. NA		CONTRACT NO. 93795					
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT							

PATH: s:\hared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\50-53 - pavement and signage.dwg  
 PLOTTED: 9/29/2022 @ 1:56:44 PM BY: hargan, chris



NOTE: RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED @ 80' SPACING



FILE NAME =	50-53 - PAVEMENT AND SIGNAGE.DWG
-------------	----------------------------------

USER NAME =	Hargan, Chris	DESIGNED -	JAL	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE =	1:1	CHECKED -	CAW	REVISED -	
PLOT DATE =	9/29/2022	DATE -	9/29/2022	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE

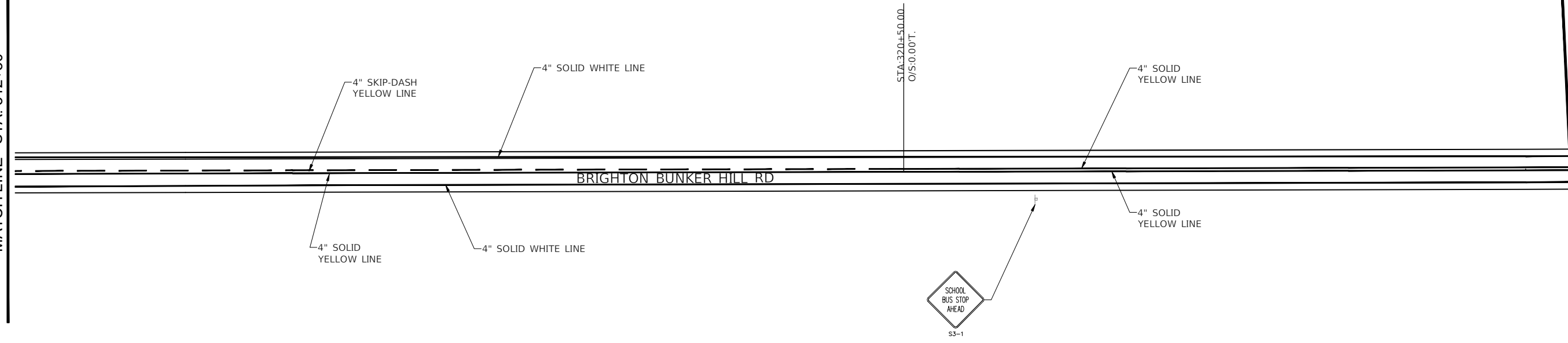
SCALE: 1"=50' SHEET NO.53 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	53
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

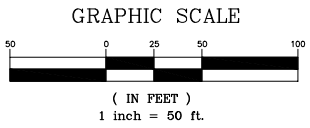


MATCHLINE STA. 312+50

MATCHLINE STA. 326+50

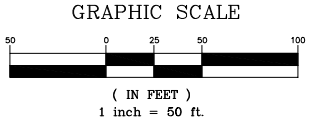
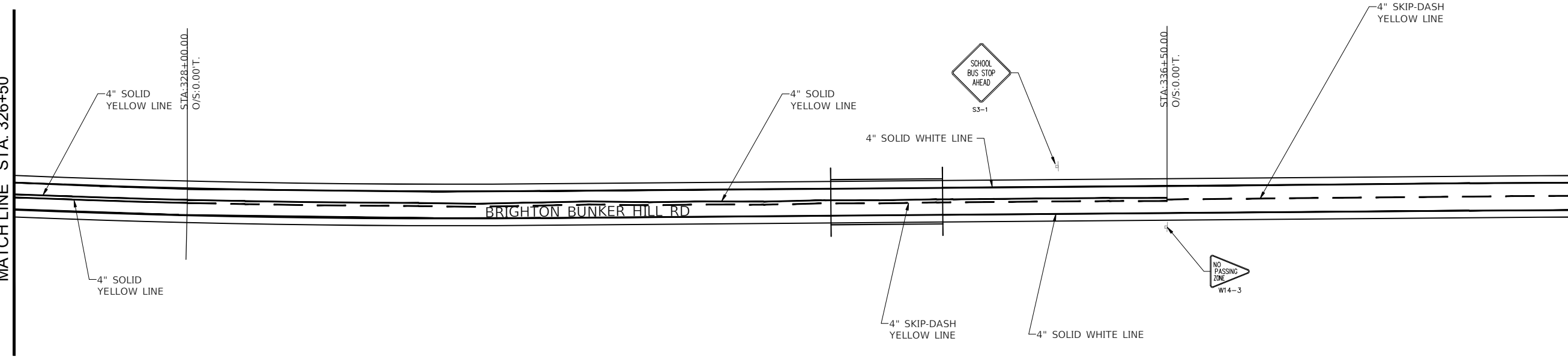


NOTE: RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED @ 80' SPACING



MATCHLINE STA. 326+50

MATCHLINE STA. 340+00



PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\1630-300 drafting\sheet files\50-53 - pavement and signage.dwg  
 PLOTTED: 9/29/2022 @ 1:51:09 PM BY hargan, chris

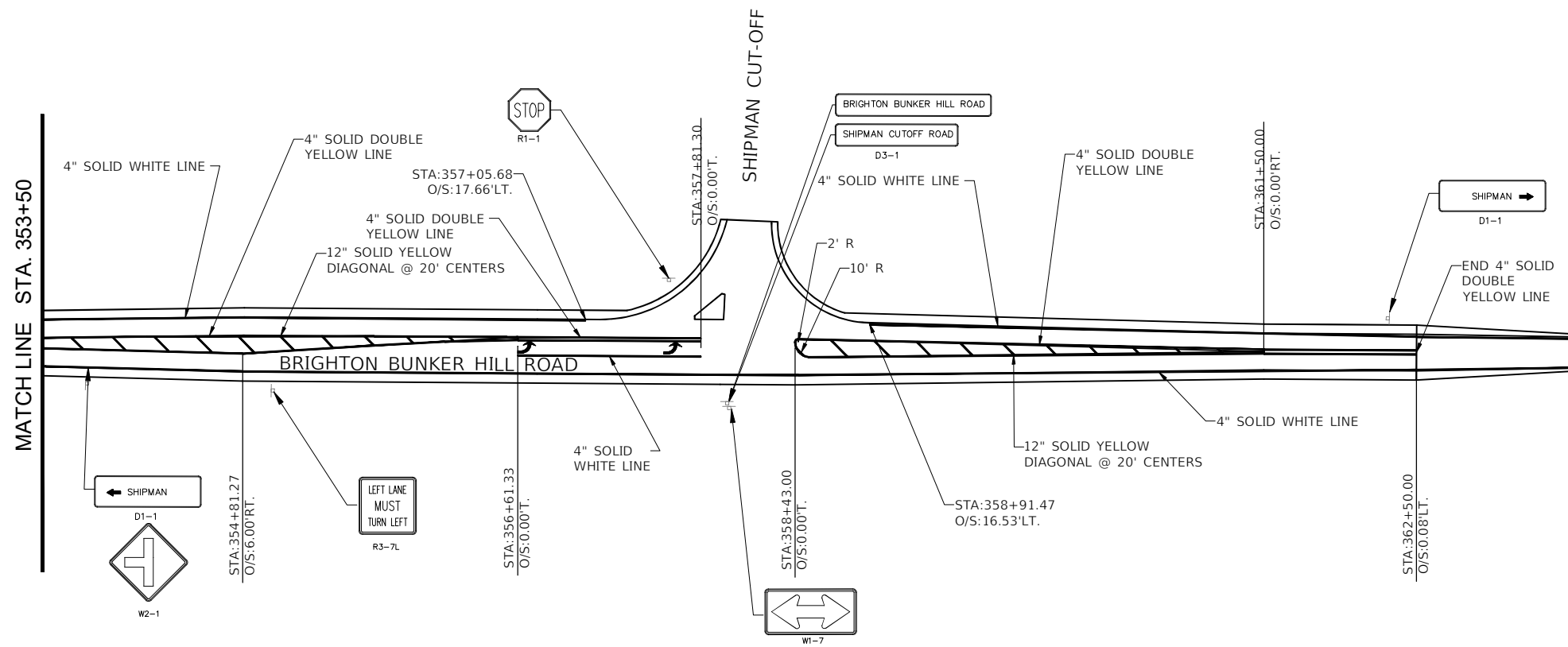
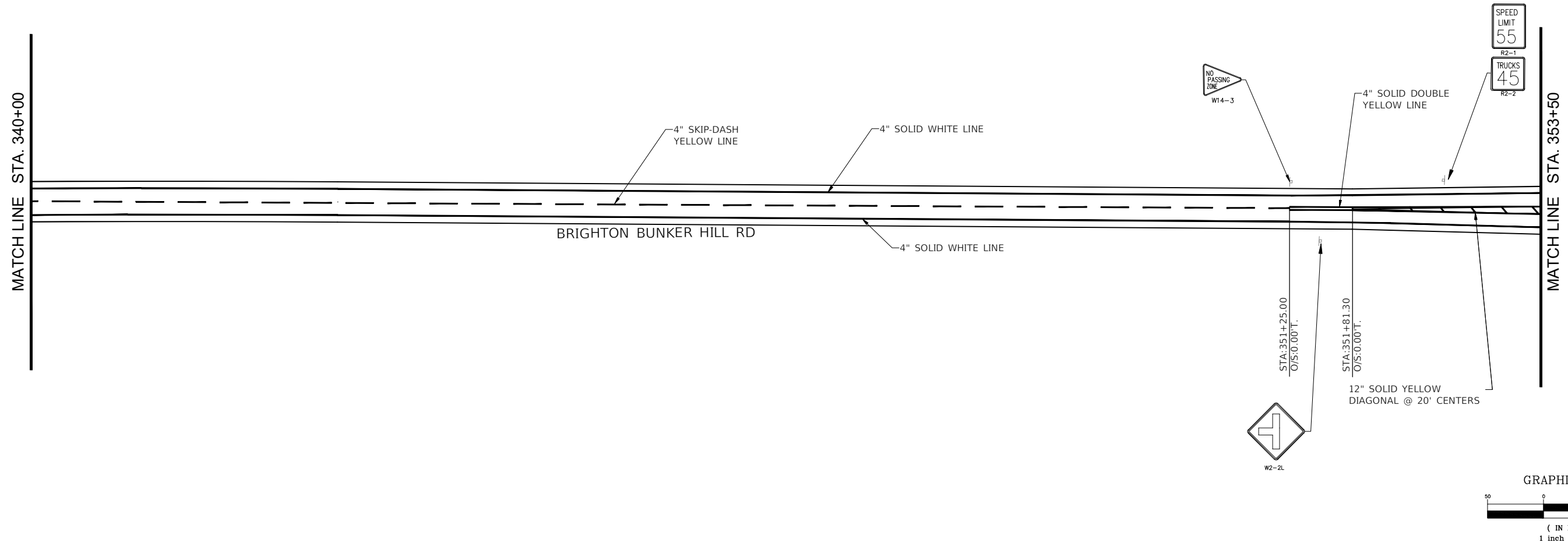
FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -
50-53 - PAVEMENT AND SIGNAGE.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE**

SCALE: 1"=50' SHEET NO.54 OF 112 SHEETS STA. NA TO STA. NA

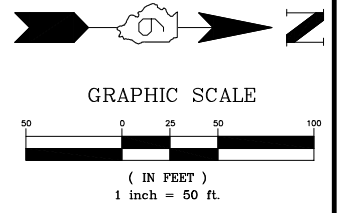
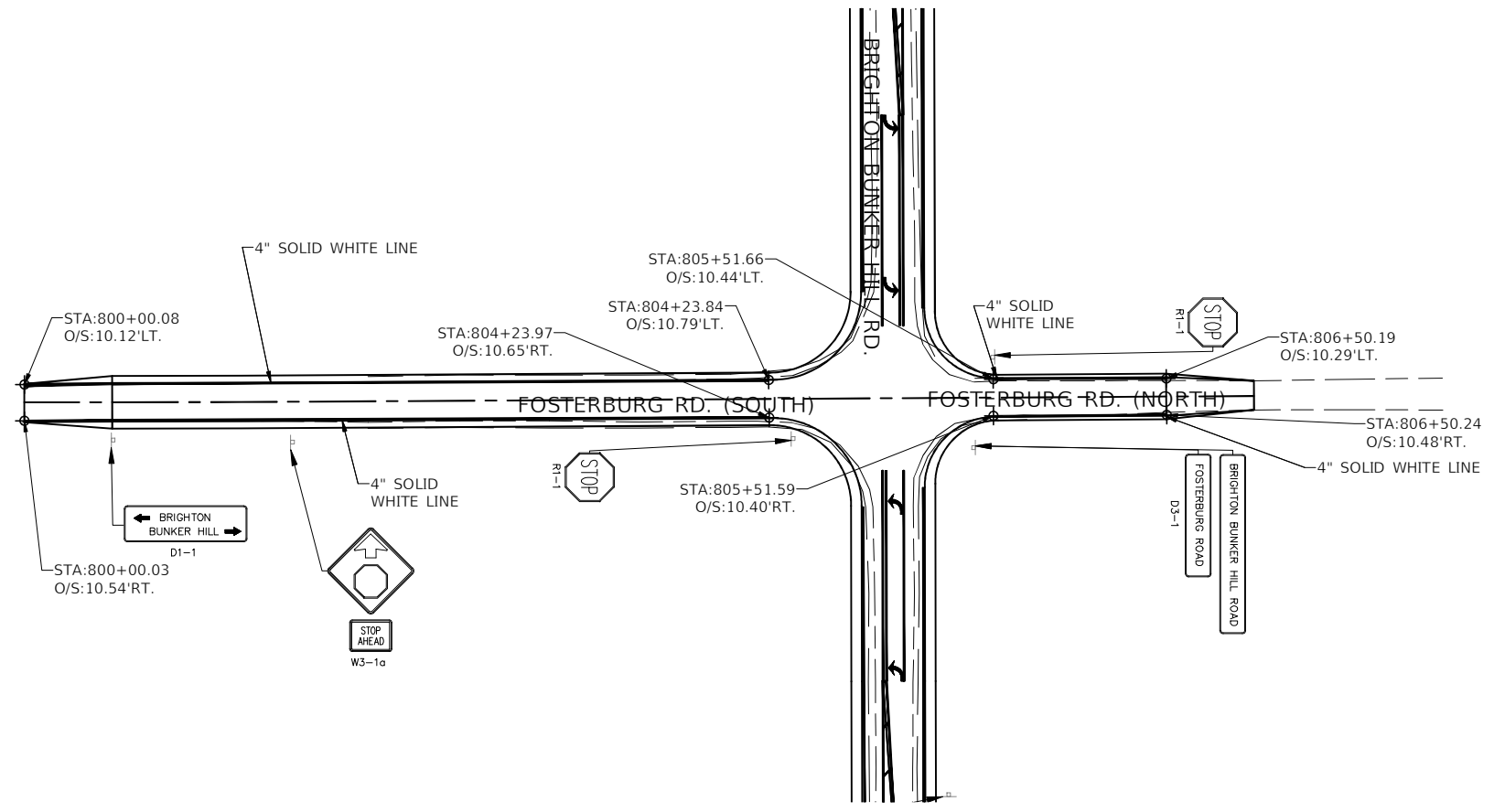
F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 54
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



NOTE: RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED @ 80' SPACING

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\50-53 - pavement and signage.dwg  
 PLOTTED: 9/29/2022 @ 1:51:34 PM BY: hargan, chris

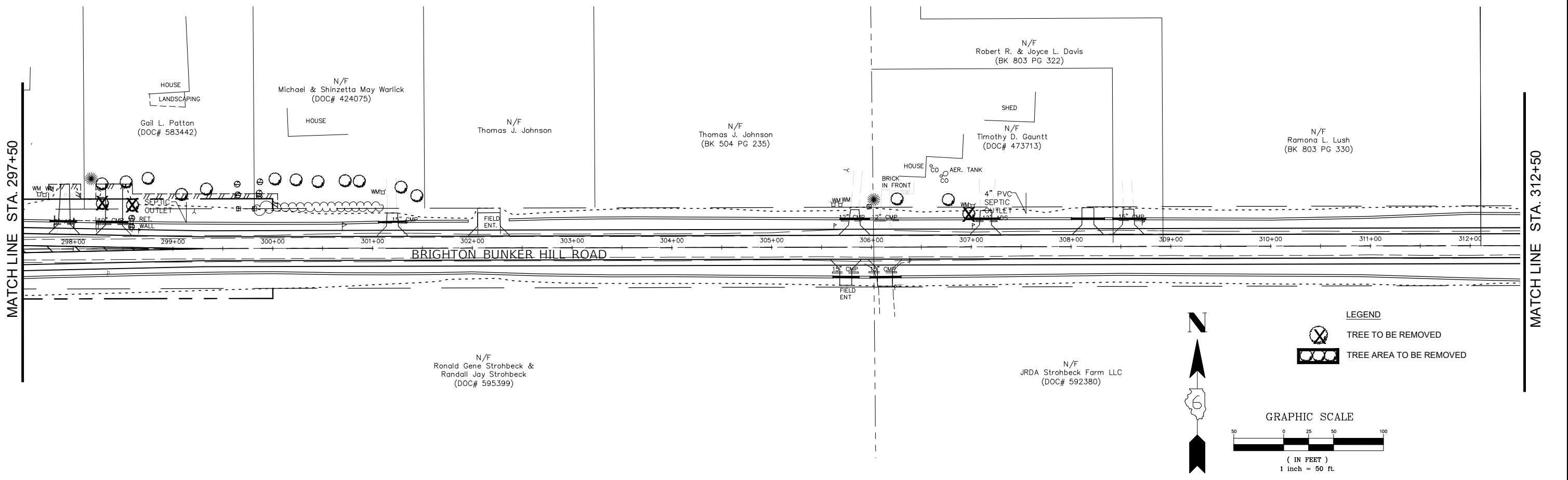
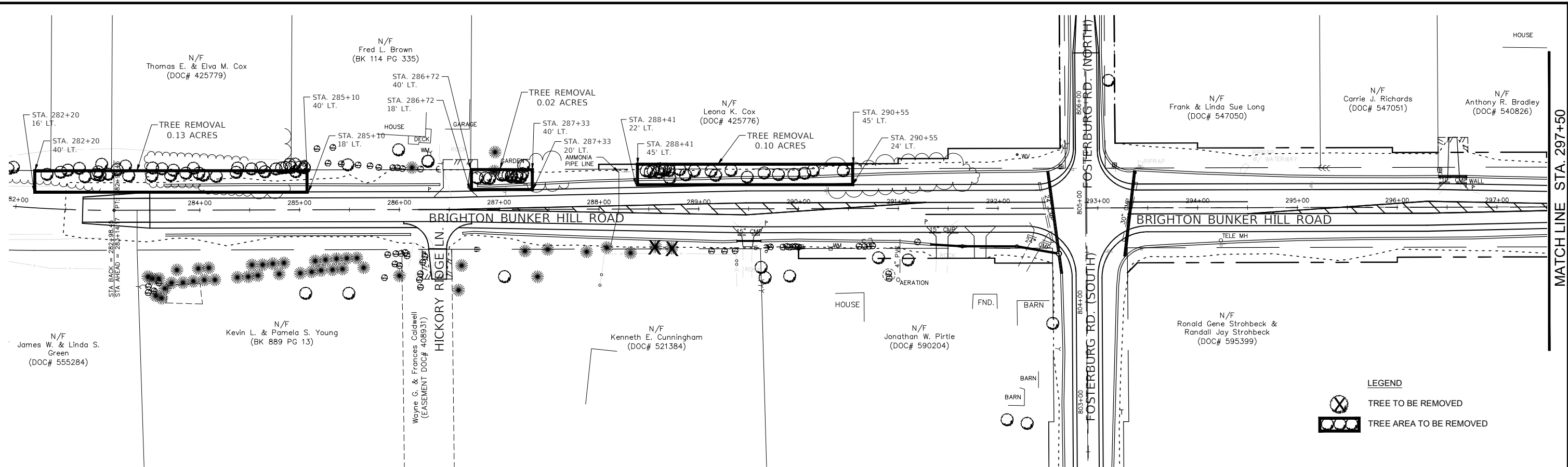
FILE NAME = 50-53 - PAVEMENT AND SIGNAGE.DWG	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNAGE</b>			F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 55		
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -					CONTRACT NO. 93795						
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -					SCALE: 1" = 50' SHEET NO. 55 OF 112 SHEETS STA. NA TO STA. NA						
								FED. ROAD DIST. NO. 6 ILLINOIS		FED. AID PROJECT				







PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\50-53 - pavement and signage.dwg  
 PLOTTED: 9/29/2022 @ 1:51:46 PM BY hargan, chris

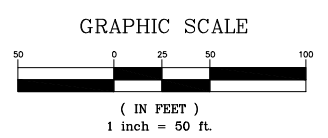
FILE NAME = 50-53 - PAVEMENT AND SIGNAGE.DWG	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 56	
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			SCALE: 1"=50' SHEET NO.56 OF 112 SHEETS STA. NA TO STA. NA					
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -			CONTRACT NO. 93795					
							FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

PATH: s:\vared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\54-57 - tree removal plan.dwg  
 PLOTTED: 9/29/2022 @ 1:55:36 PM BY hargan, chris



**LEGEND**  
 TREE TO BE REMOVED  
 TREE AREA TO BE REMOVED

**LEGEND**  
 TREE TO BE REMOVED  
 TREE AREA TO BE REMOVED



FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -
54-57 - TREE REMOVAL PLAN.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -

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

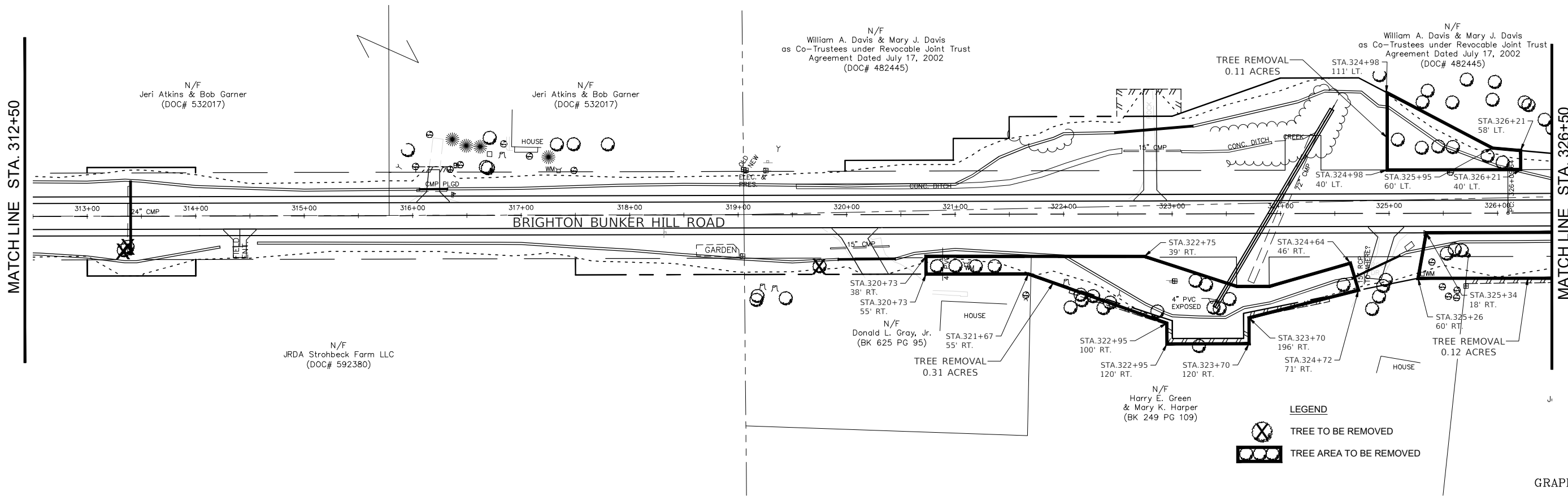
**TREE REMOVAL PLAN**

SCALE: 1"=50' SHEET NO.57 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 57
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

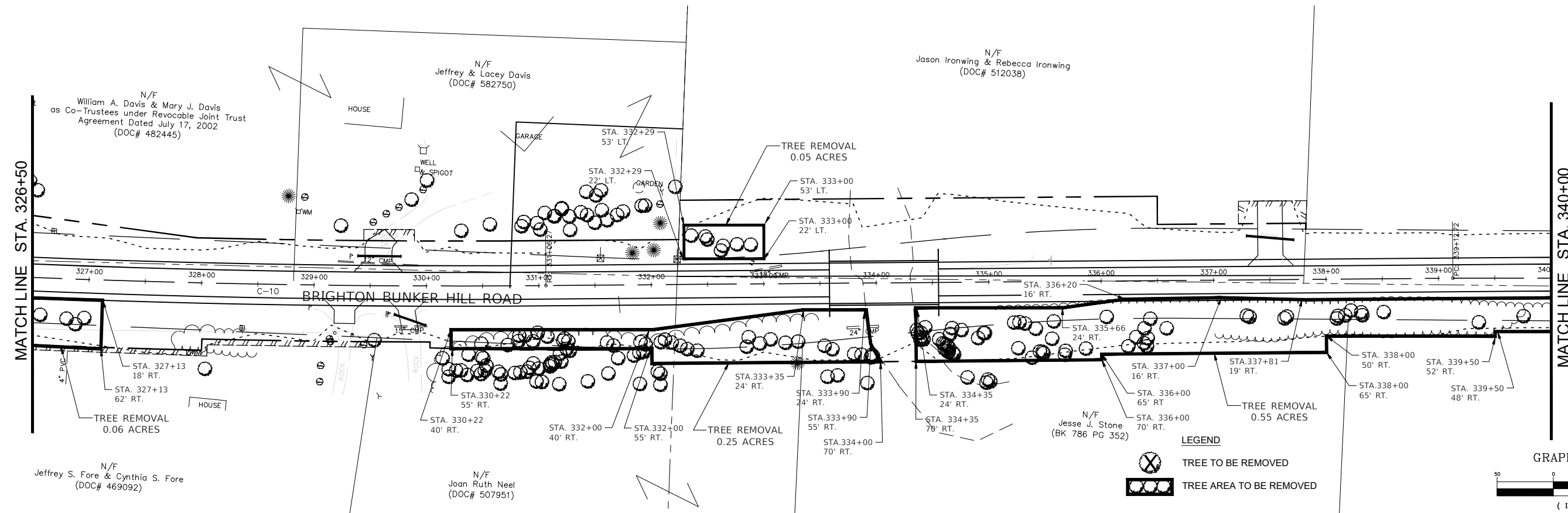
MATCH LINE STA. 312+50

MATCH LINE STA. 326+50



MATCH LINE STA. 326+50

MATCH LINE STA. 340+00



PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\54-57 - tree removal plan.dwg  
PLOTTED: 9/29/2022 @ 11:56:23 PM BY: hargan, chris

FILE NAME =	54-57 - TREE REMOVAL PLAN.DWG
-------------	-------------------------------

USER NAME =	Hargan, Chris	DESIGNED -	JAL	REVISED -	
PLOT SCALE =	1:1	DRAWN -	RDS	REVISED -	
PLOT DATE =	9/29/2022	CHECKED -	CAW	REVISED -	
		DATE -	9/29/2022	REVISED -	

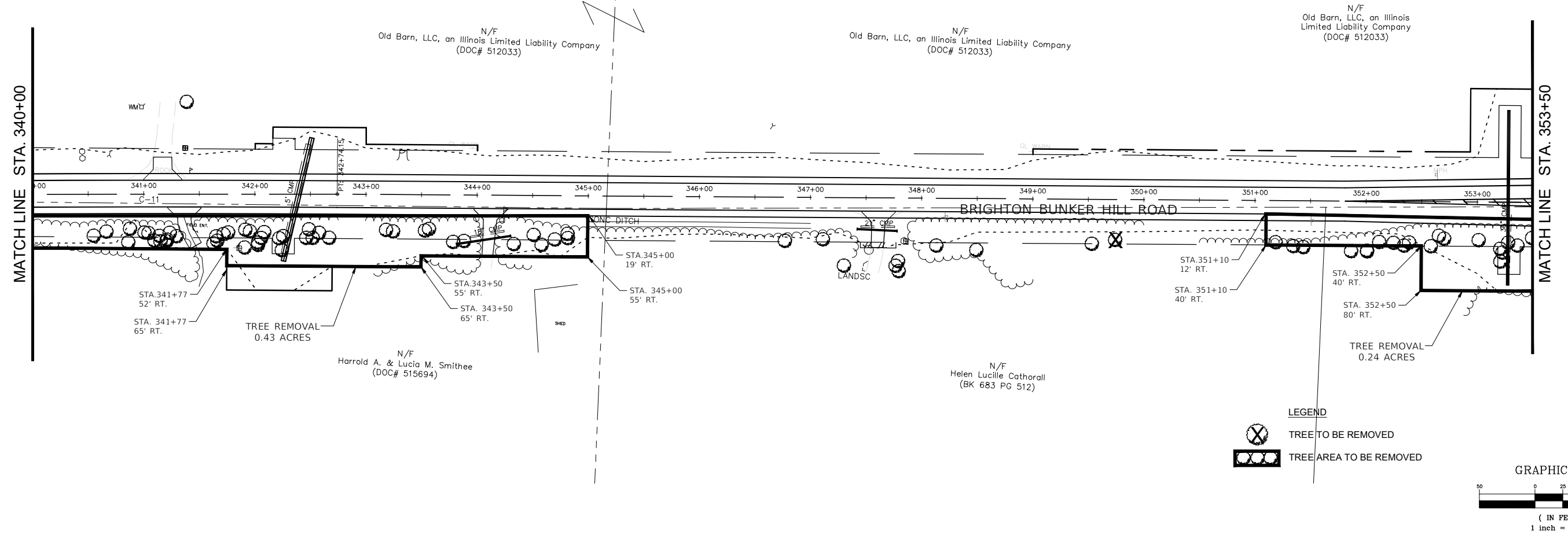
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TREE REMOVAL PLAN

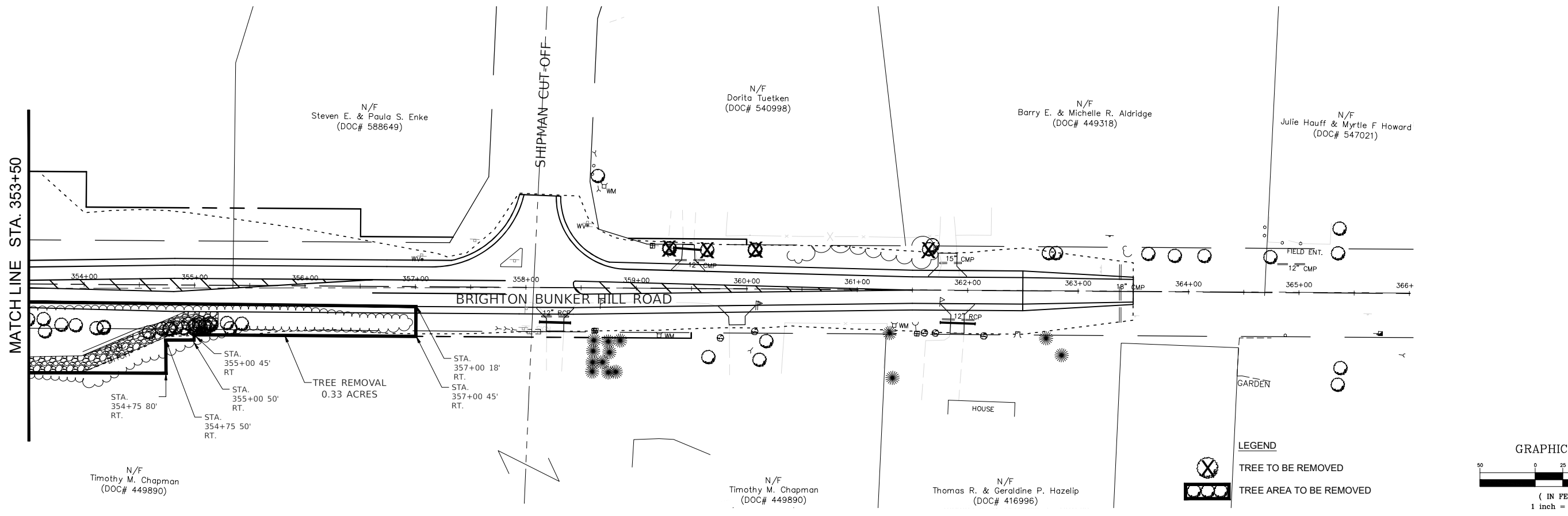
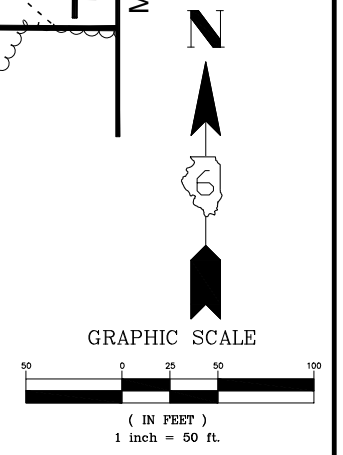
SCALE: 1"=50' SHEET NO.58 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	58
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

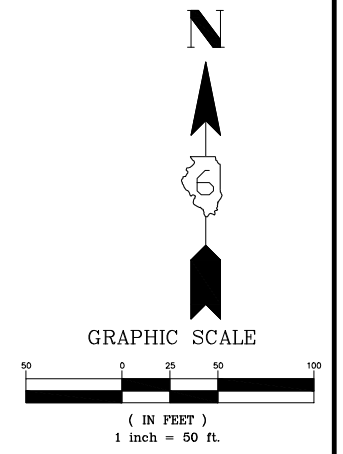




**LEGEND**  
 TREE TO BE REMOVED  
 TREE AREA TO BE REMOVED



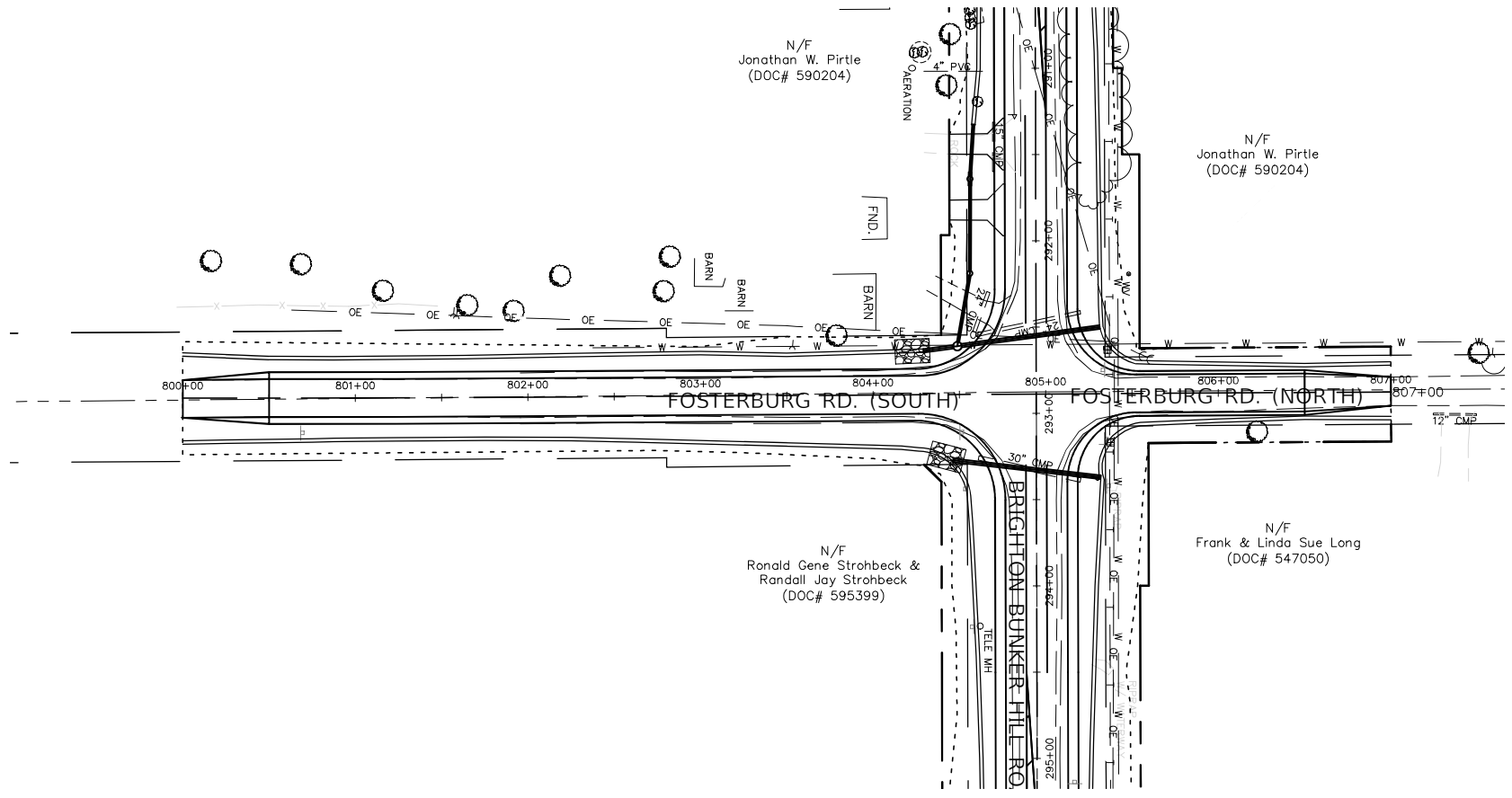
**LEGEND**  
 TREE TO BE REMOVED  
 TREE AREA TO BE REMOVED





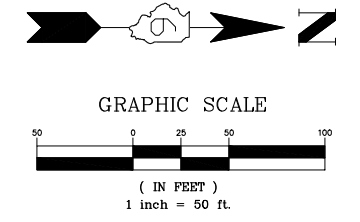
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 PLOTTED: 9/29/2022 @ 1:54:49 PM BY: hargon, chris

FILE NAME =	USER NAME = Hargon, Chris	DESIGNED - JAL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TREE REMOVAL PLAN</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
54-57 - TREE REMOVAL PLAN.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -			736	01-00080-00-FP	MACOUPIN	112	59	
PLOT DATE = 9/29/2022	CHECKED - CAW	DATE - 9/29/2022	REVISED -			CONTRACT NO. 93795					
	DATE - 9/29/2022	REVISED -	SCALE: 1"=50' SHEET NO.59 OF 112 SHEETS STA. NA TO STA. NA								
						FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT					

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\54-57 - tree removal plan.dwg  
 PLOTTED: 9/29/2022 @ 1:55:02 PM BY horgan, chris



**LEGEND**  
 TREE TO BE REMOVED  
 TREE AREA TO BE REMOVED



FILE NAME =	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
54-57 - TREE REMOVAL PLAN.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

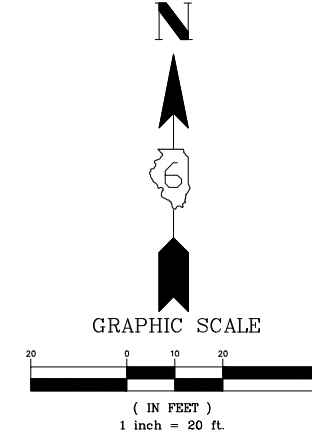
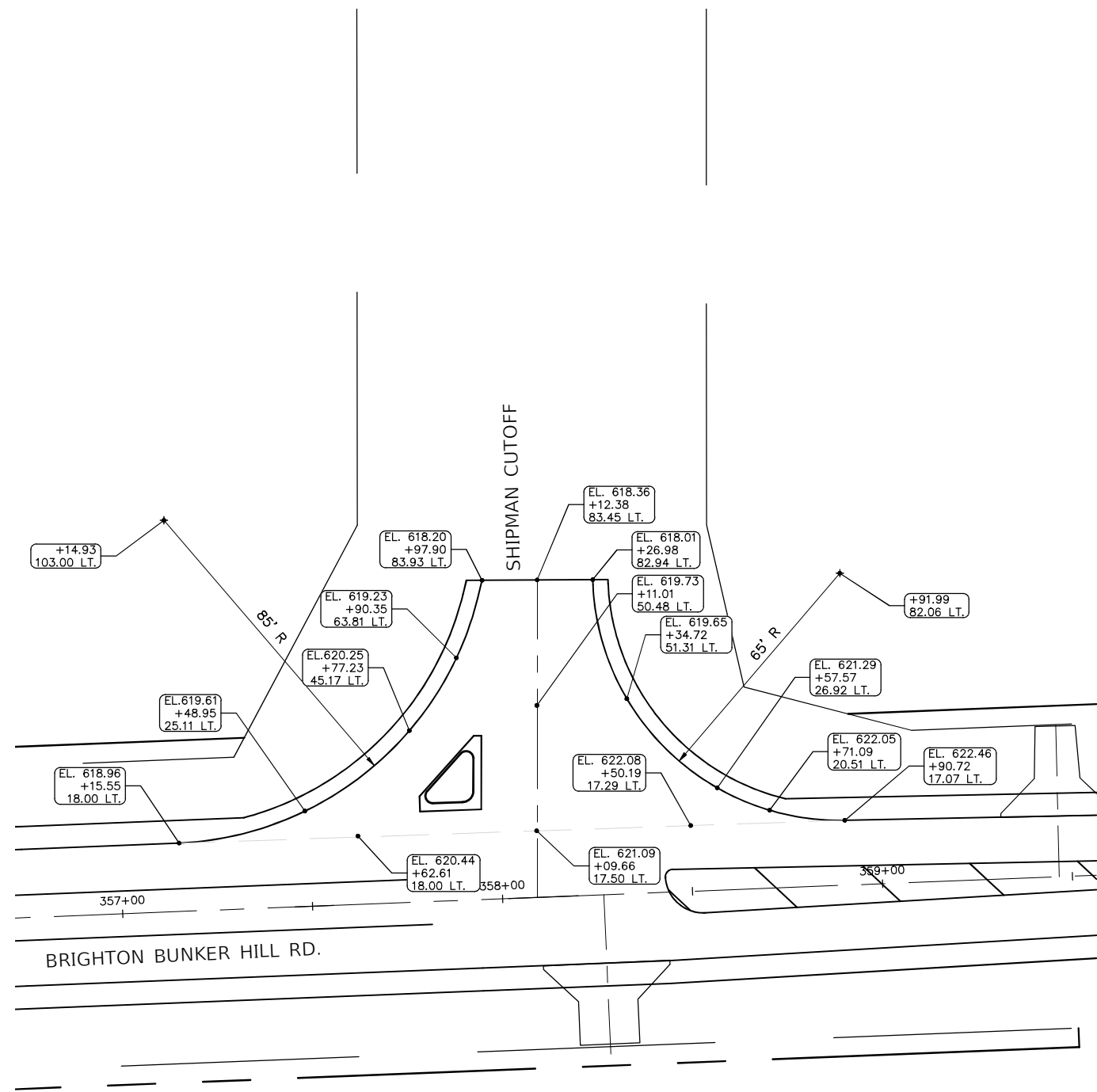
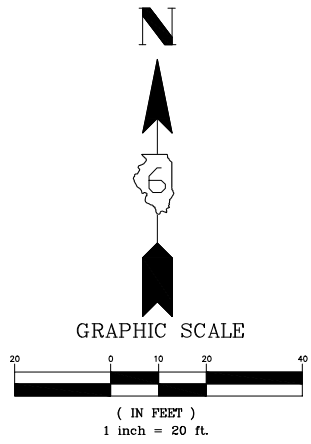
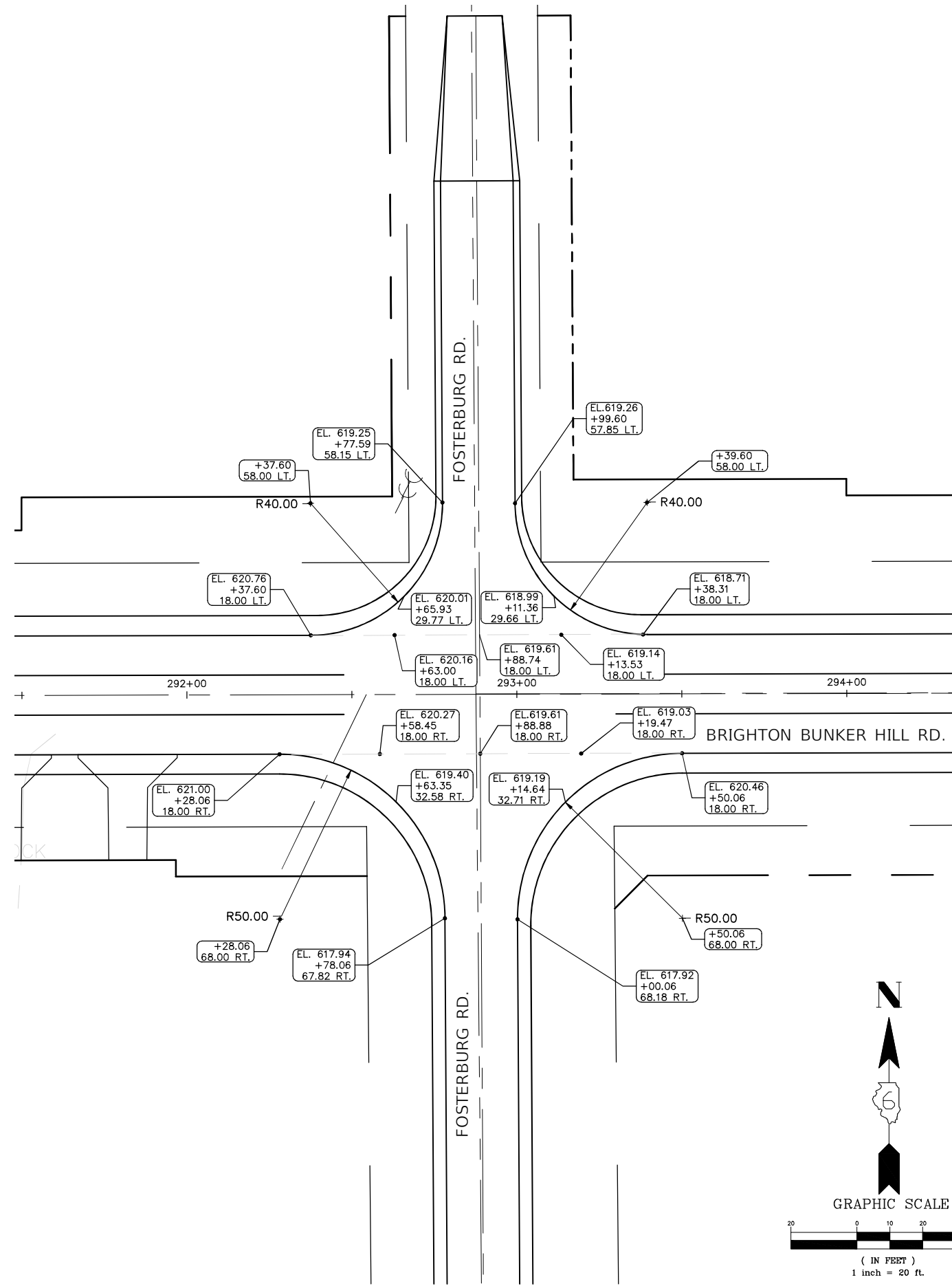
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL PLAN**

SCALE: 1"=50' SHEET NO.60 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	60
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\58 - intersection details.dwg  
 PLOTTED: 9/29/2022 @ 2:06:47 PM BY: horgan, chris



FILE NAME =	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
58 - INTERSECTION DETAILS.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

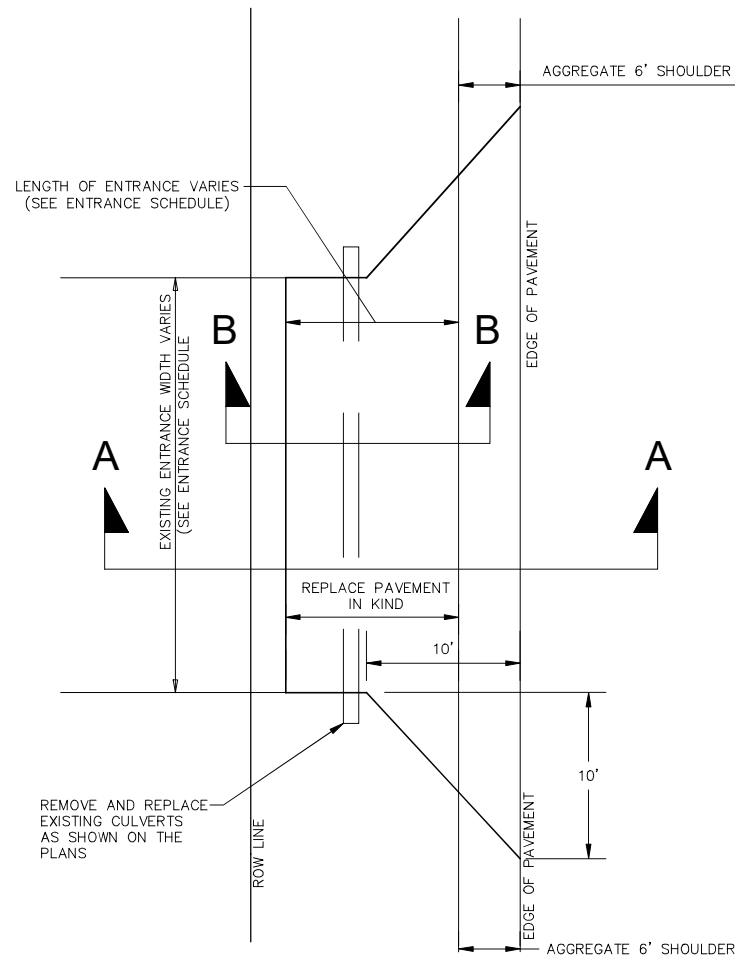
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS**

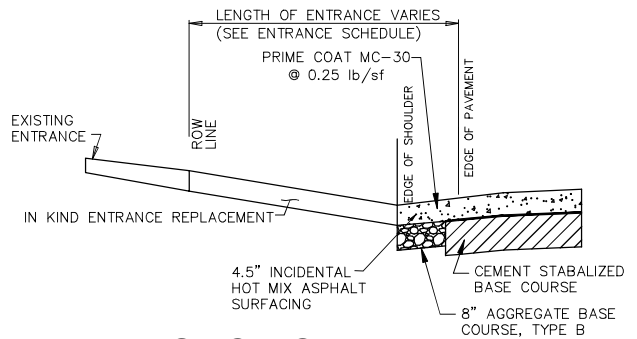
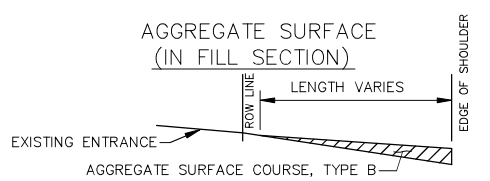
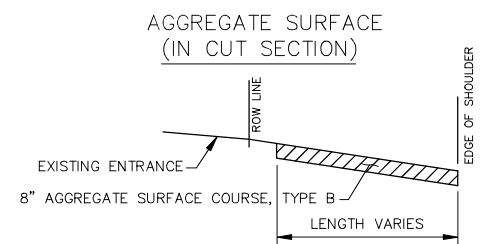
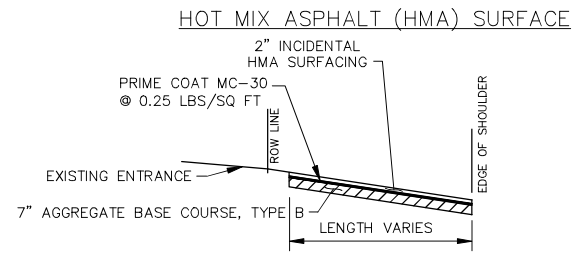
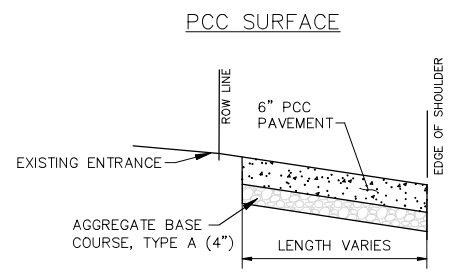
SCALE: 1"=20' SHEET NO.61 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	61
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\59 - entrance details.dwg  
 PLOTTED: 9/29/2022 @ 2:00:51 PM BY hargan, chris



**PLAN VIEW**



**SECTION A-A**

**IN KIND ENTRANCE REPLACEMENT SECTION B-B**  
(NOT TO SCALE)

NOTE: ALL ENTRANCES SHALL BE HOT MIX ASPHALT PAVEMENT FROM THE EDGE OF PAVEMENT TO THE SHOULDER LINE. THE SURFACE BEYOND THE SHOULDER LINE SHALL BE AGGREGATE SURFACE COURSE TYPE B, (8") AND WILL EXTEND AS SHOWN ON THE ENTRANCE SCHEDULE. WHEN THE EXISTING ENTRANCE IS PAVED, REPLACEMENT SHALL BE IN KIND.

**PROPOSED TYPICAL ENTRANCE DETAIL**

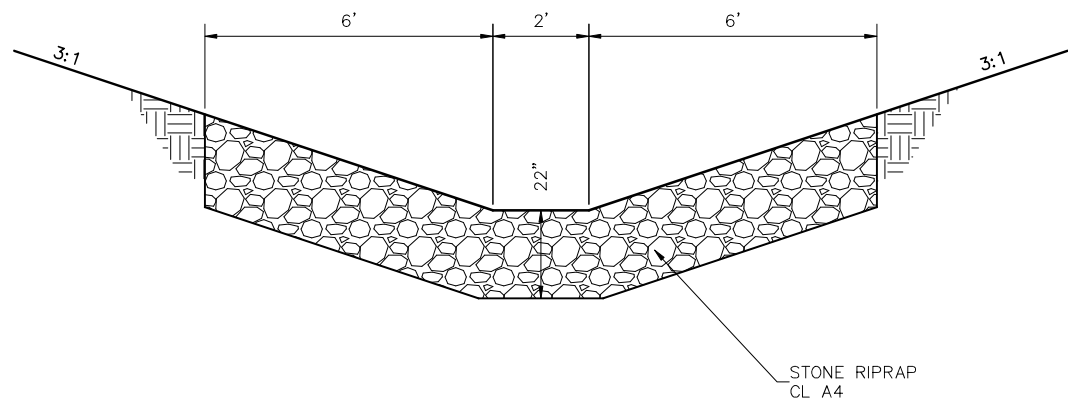
(NOT TO SCALE)

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -
59 - ENTRANCE DETAILS.DWG		DRAWN - RDS	REVISED -
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -

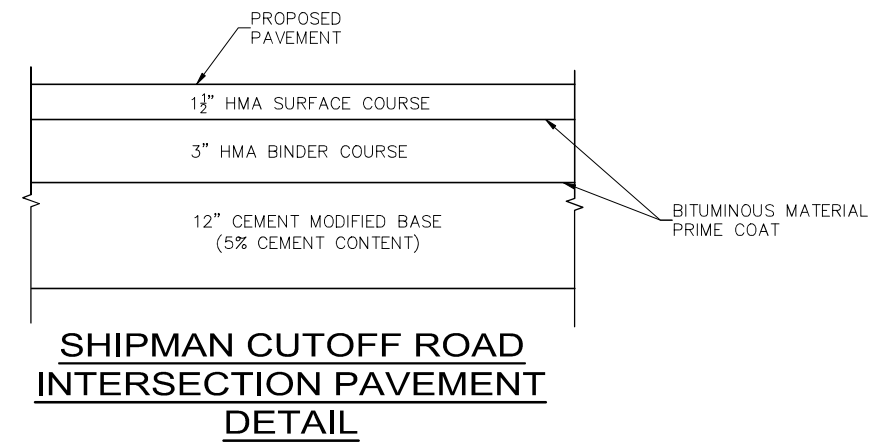
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAIL  
SCALE: X"=XX'  
SHEET NO.62 OF 112 SHEETS STA. NA TO STA. NA

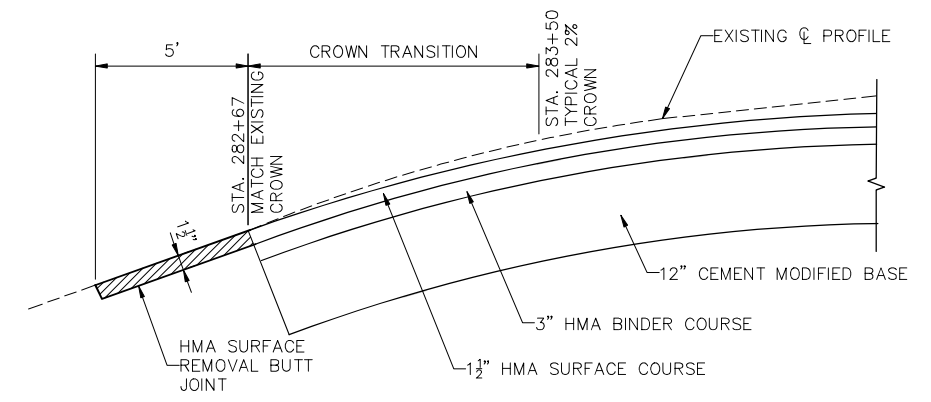
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	62
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



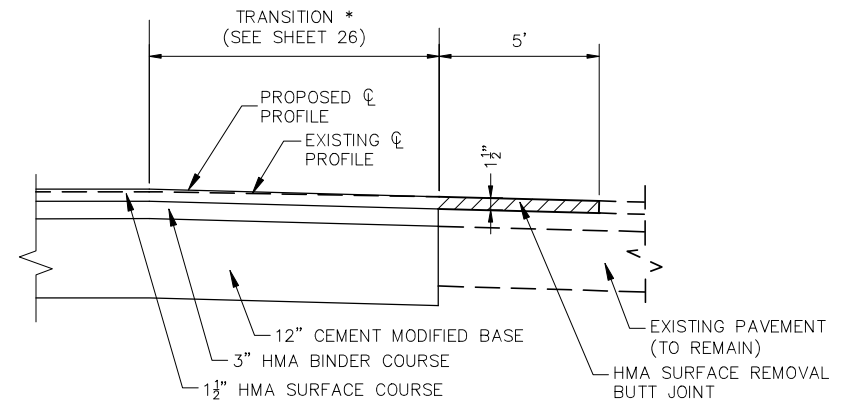
**TYPICAL RIPRAP LINED DITCH SECTION**  
NO SCALE



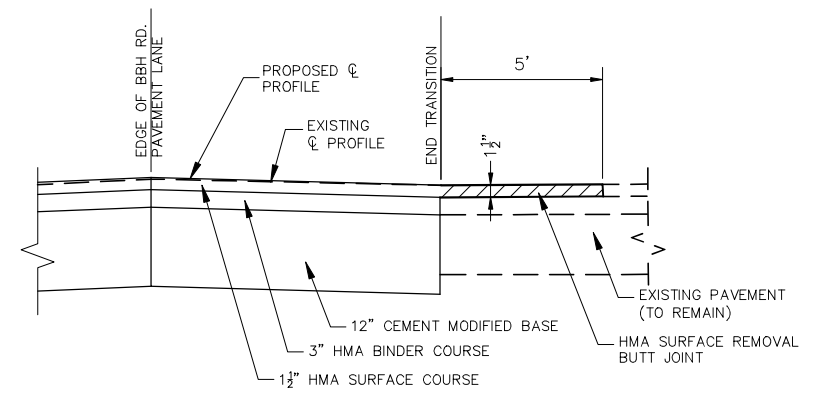
**SHIPMAN CUTOFF ROAD INTERSECTION PAVEMENT DETAIL**



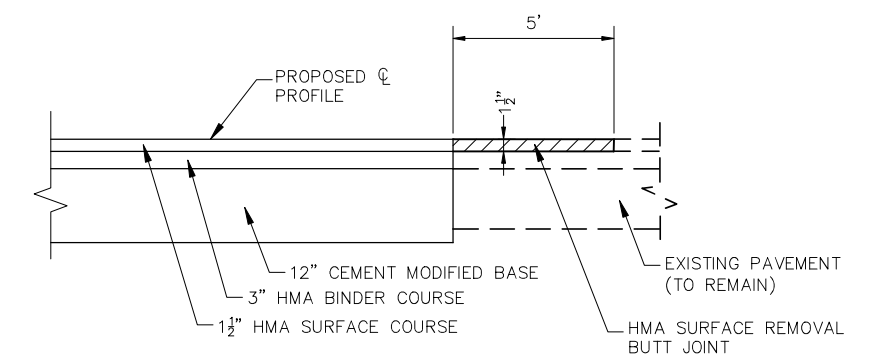
**STA. 282+67 TRANSITION DETAIL (PROFILE VIEW)**



**FOSTERBURG ROAD TRANSITION DETAIL (PROFILE VIEW)**



**SHIPMAN CUTOFF ROAD TRANSITION DETAIL (PROFILE VIEW)**



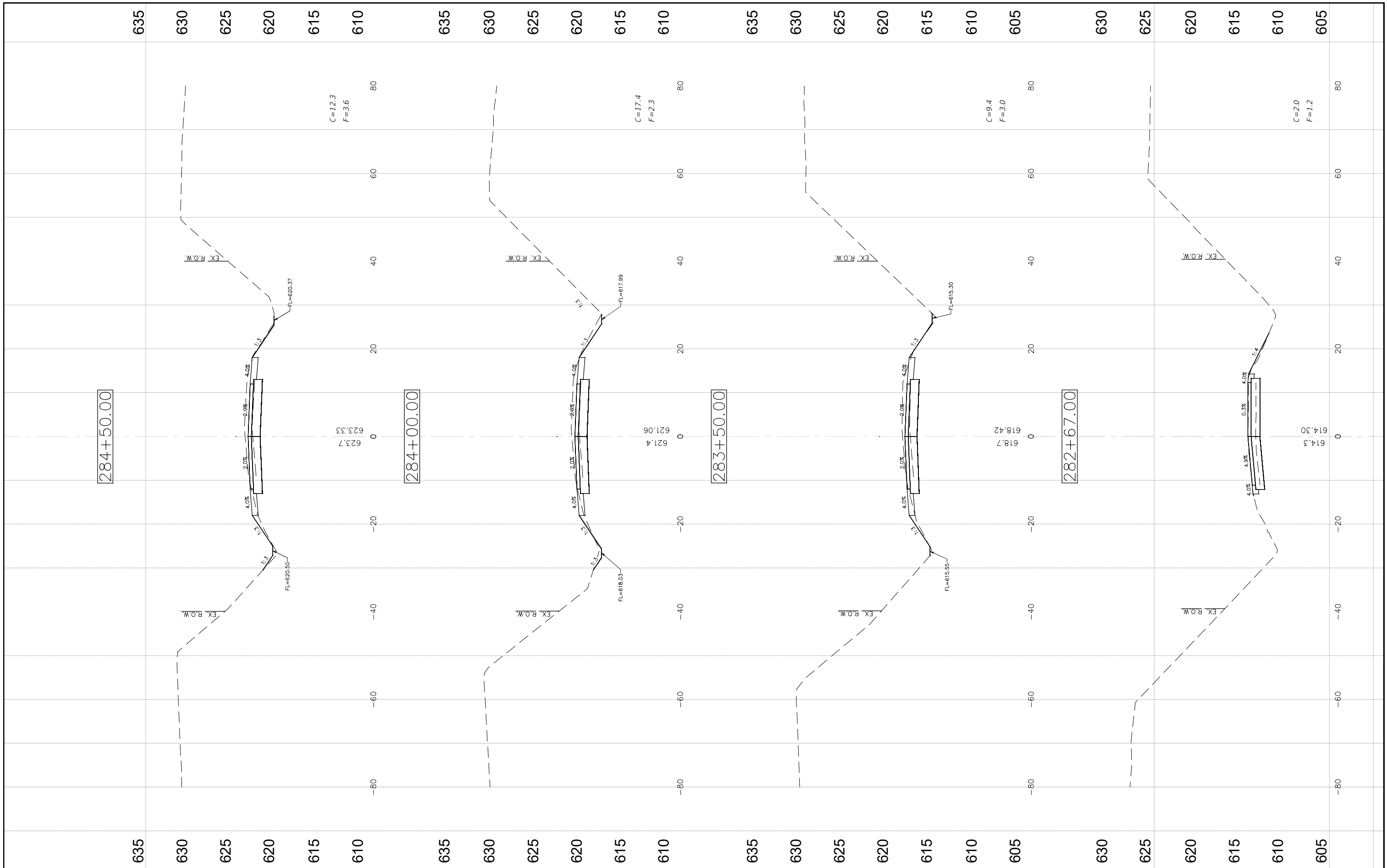
**STA. 363+50 TRANSITION DETAIL (PROFILE VIEW)**

\* THE WIDTH SHALL BE TRANSITIONED FROM 20' TO MATCH THE EXISTING ROAD WIDTH. THE CROSS SLOPE SHALL BE TRANSITIONED FROM 2% AT STA. 800+50 TO MATCH EXISTING CROSS SLOPE AT STA. 800+00 AND FROM 2% AT STA. 806+50 TO MATCH EXISTING CROSS SLOPE AT STA. 807+00

PATH: s:\shared\clients\01630 - macoupin county\300 - brighton bunker hill rd\630-300 drafting\sheet files\60 - details.dwg  
 PLOT DATE: 9/29/2022 2:00:55 PM BY: hargan, chris

FILE NAME = 60 - DETAILS.DWG	USER NAME = Hargan, Chris	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -			736	01-00080-00-FP	MACOUPIN	112	63
PLOT DATE = 9/29/2022	DATE = 9/29/2022	REVISED -	SCALE: AS NOTED	SHEET NO. 63 OF 112 SHEETS	STA. NA TO STA. NA	CONTRACT NO. 93795				
						FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				





FILE NAME = CROSS SECTIONS-1.DWG

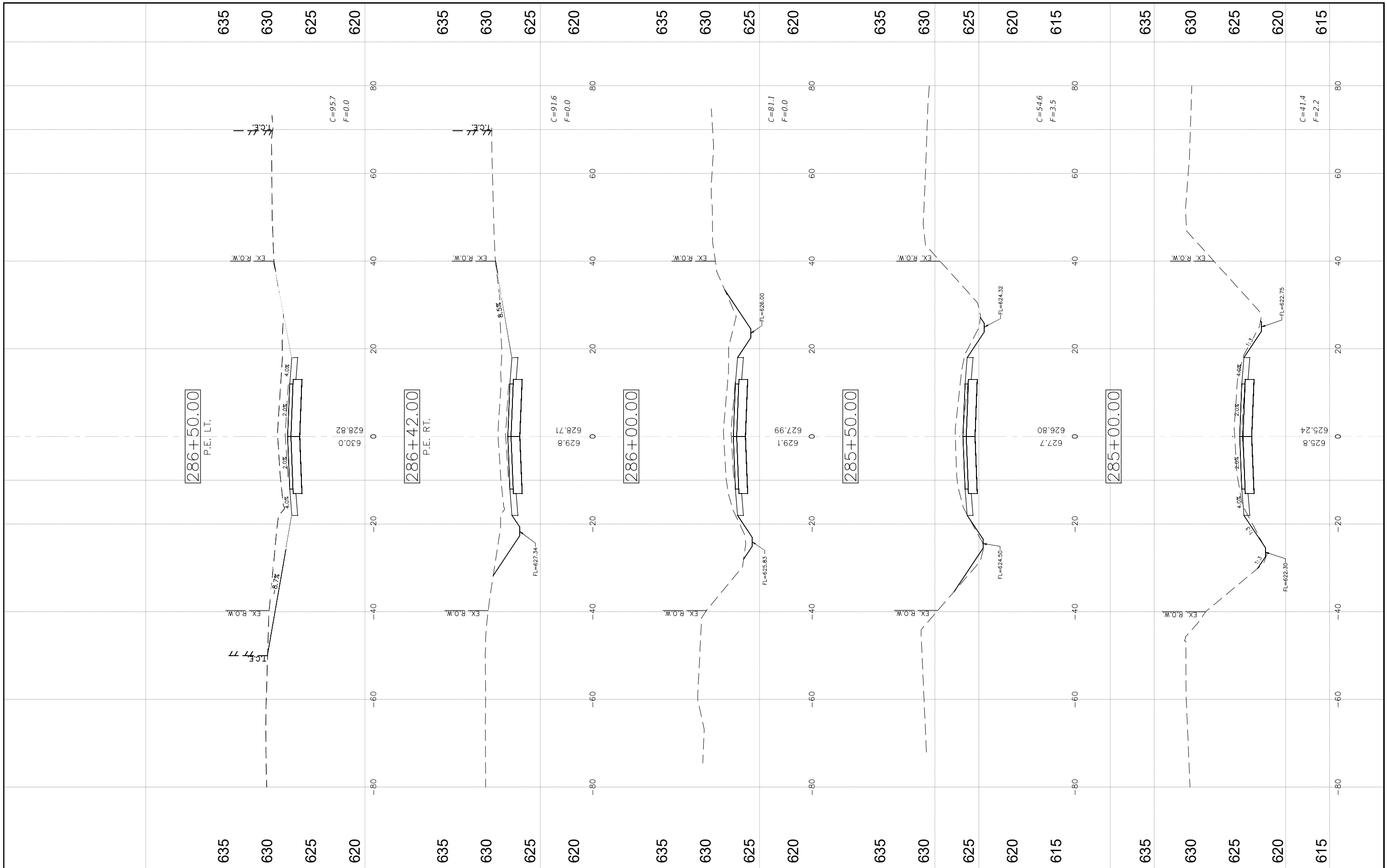
USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.64 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 64
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-1.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

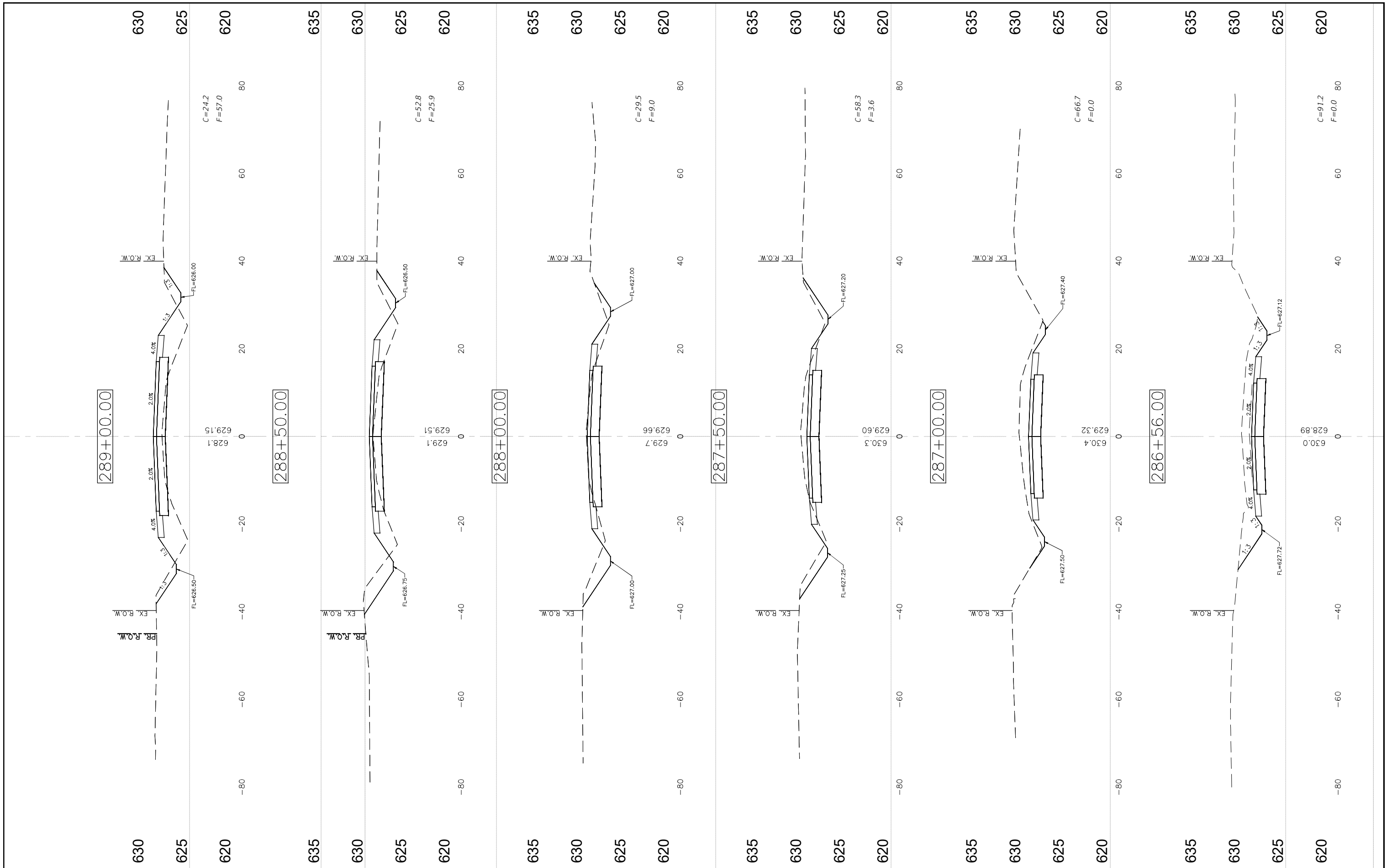
DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 SCALE: SHEET NO. 65 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	65
CONTRACT NO. 93795				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-1.DWG

USER NAME = Horgan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

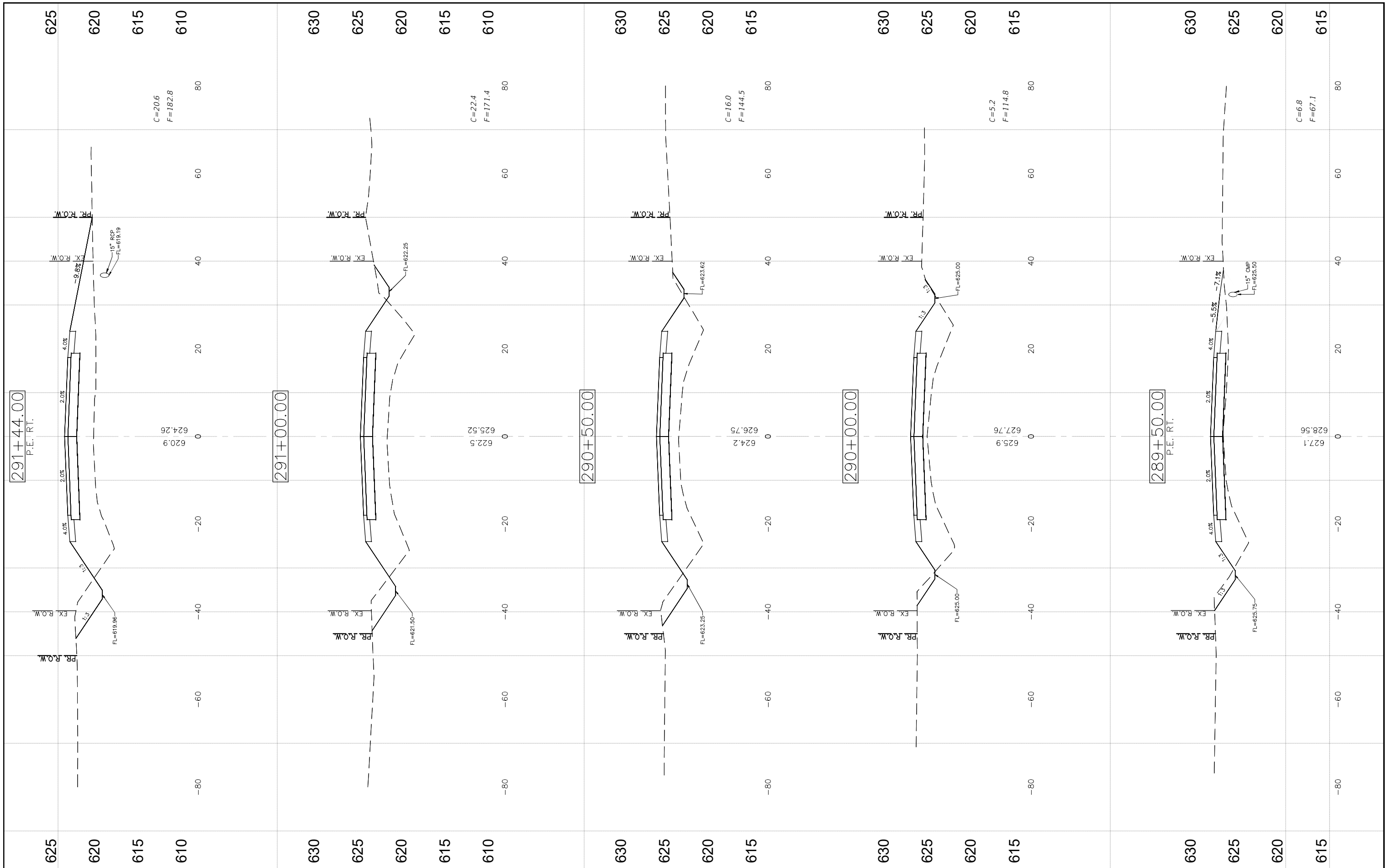
REVISIONS  
REVISIONS  
REVISIONS  
REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO. 66 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	66
CONTRACT NO. 93795				



FILE NAME = CROSS SECTIONS-1.DWG

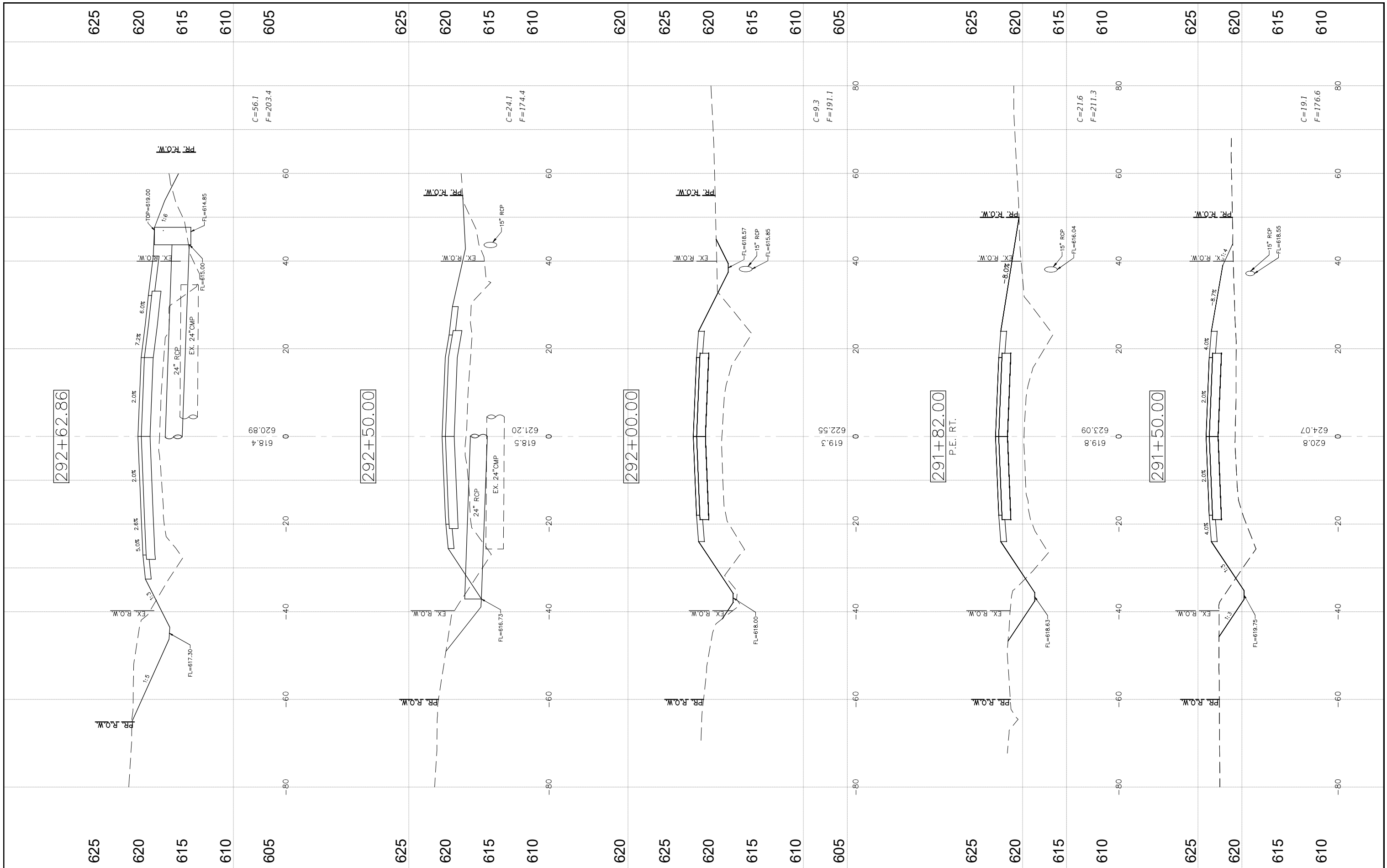
USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.67 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 67
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



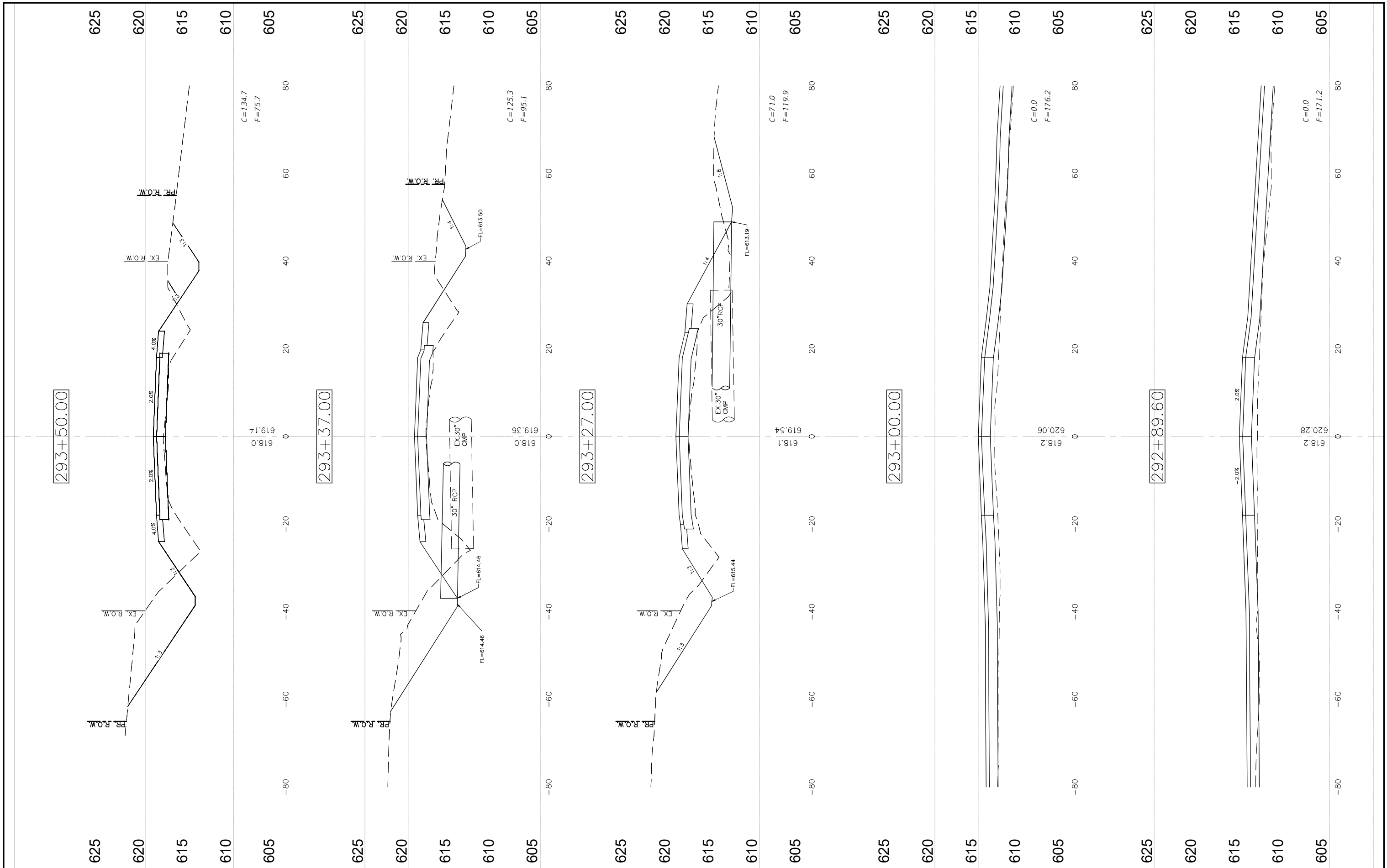
FILE NAME = CROSS SECTIONS-1.DWG

USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
SCALE: SHEET NO.68 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 68
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME =  
CROSS SECTIONS-1.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

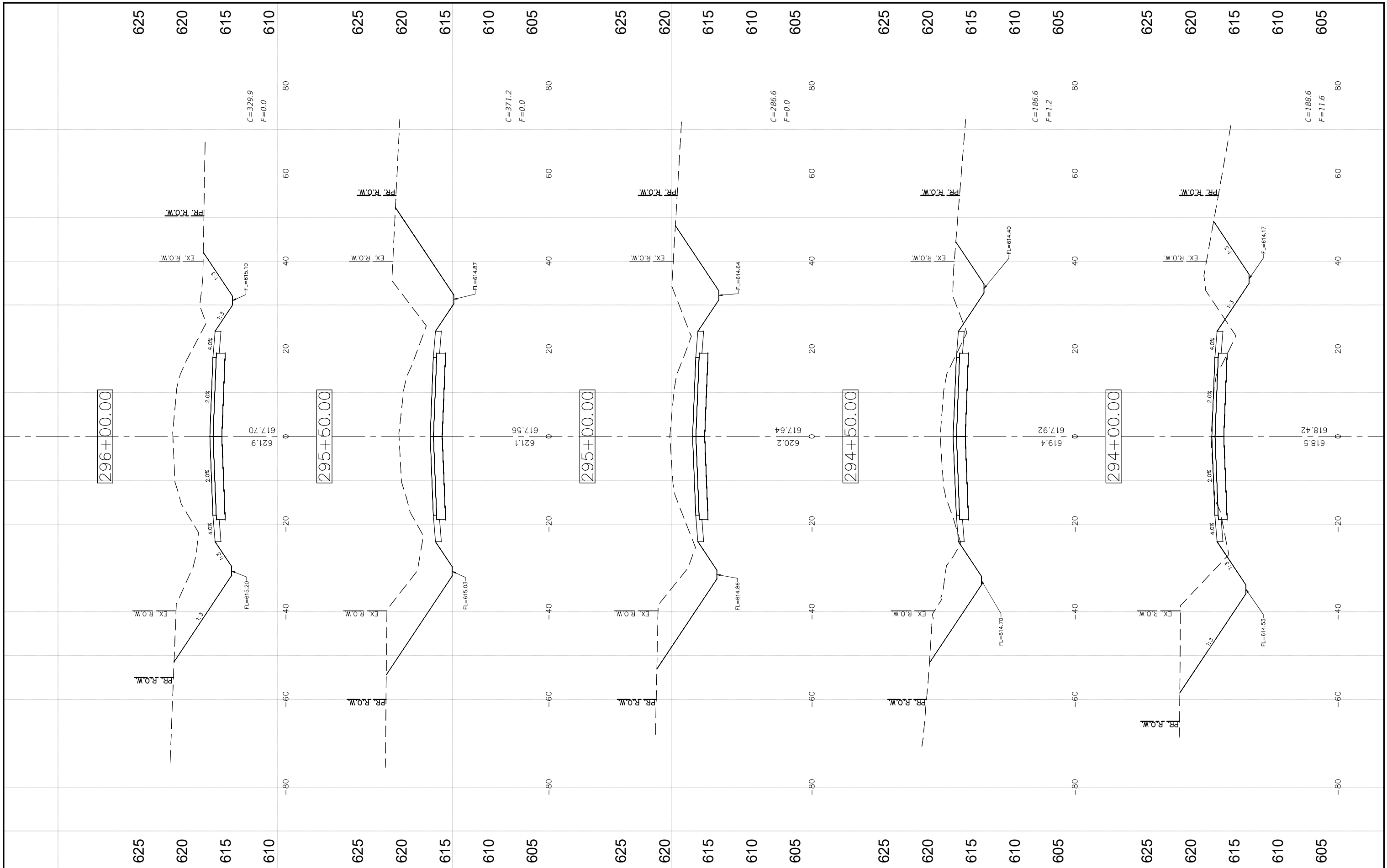
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.69 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	69
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-2.DWG

USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

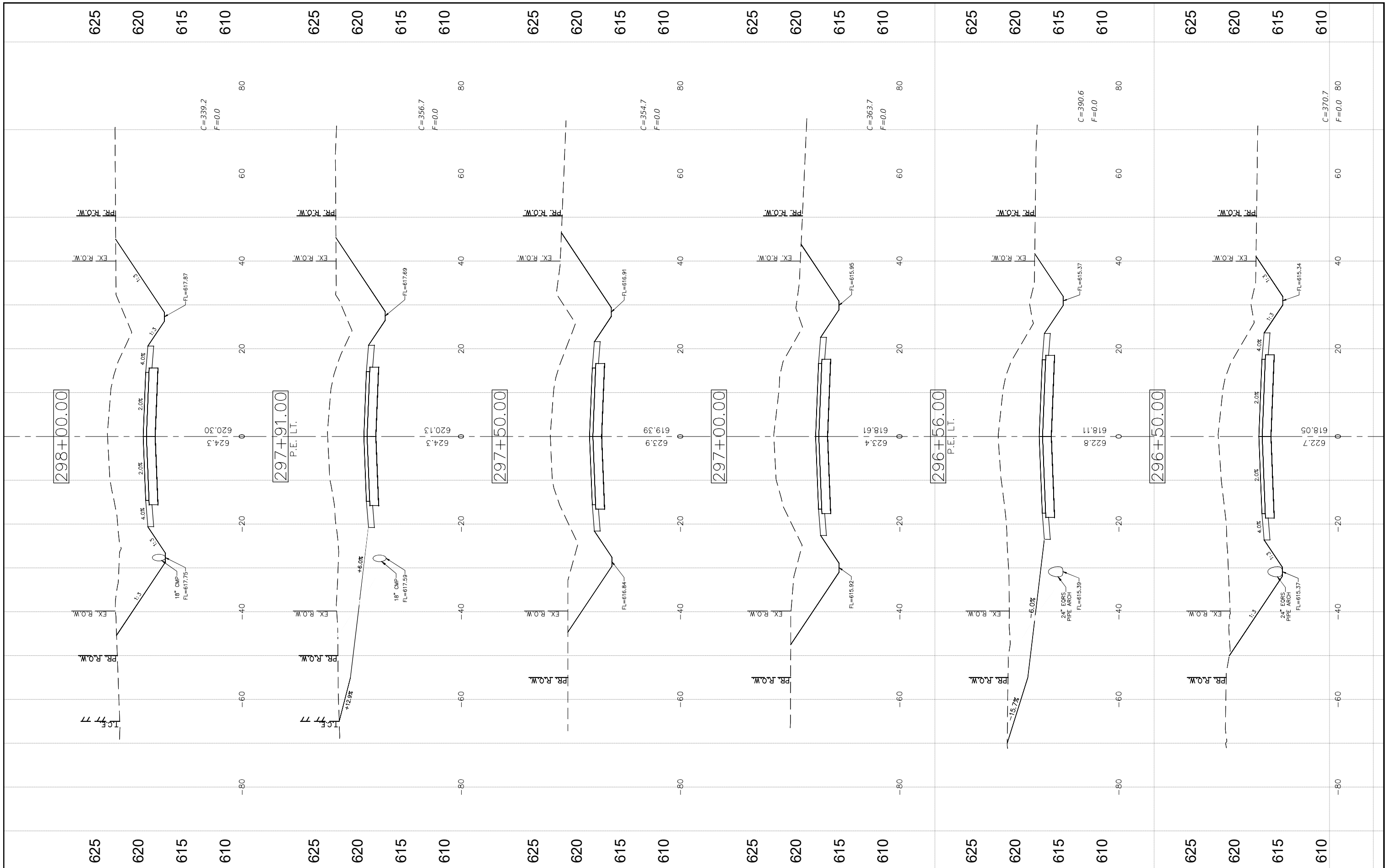
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO. 70 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 70
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT			CONTRACT NO. 93795	





FILE NAME =  
CROSS SECTIONS-2.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

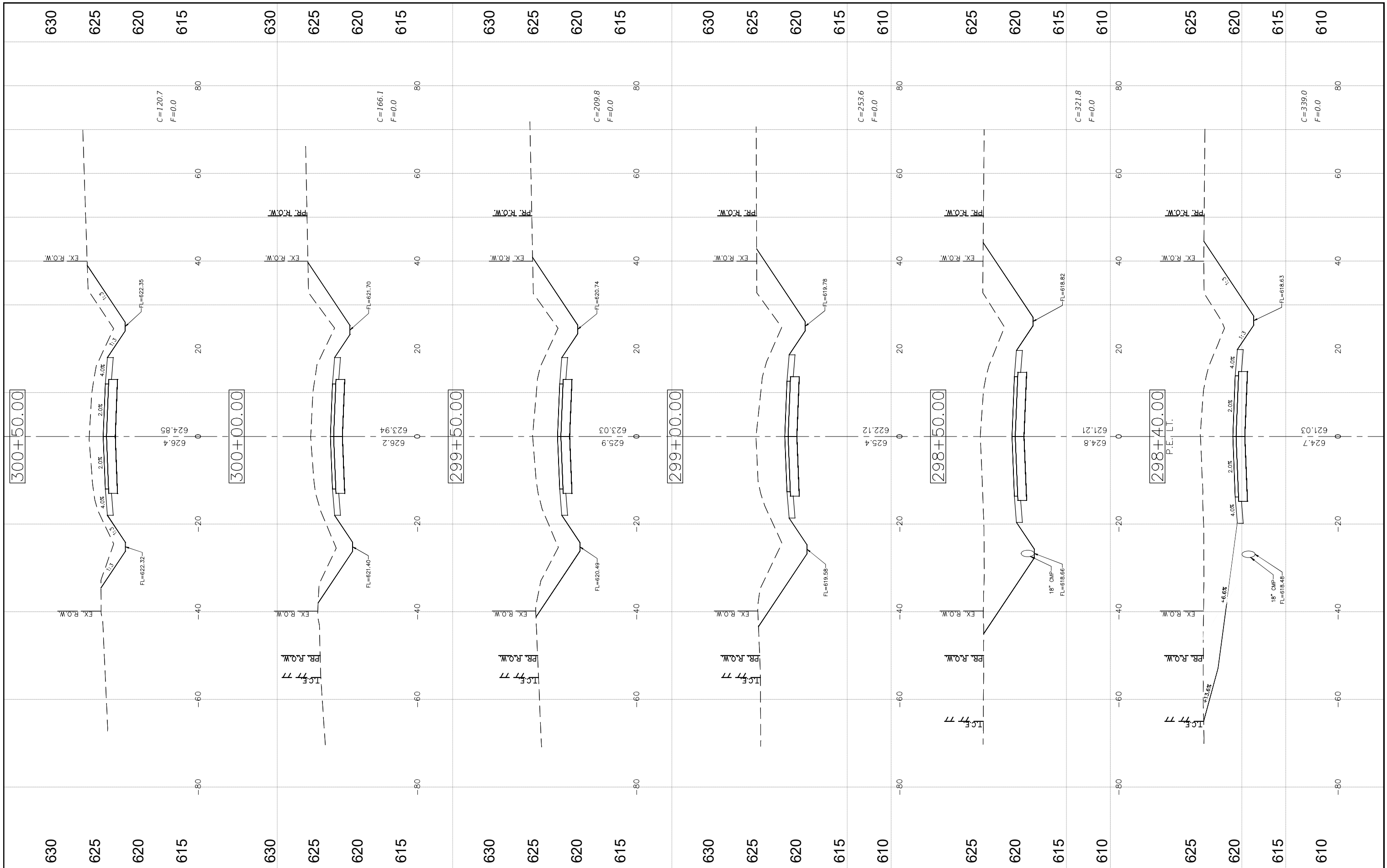
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

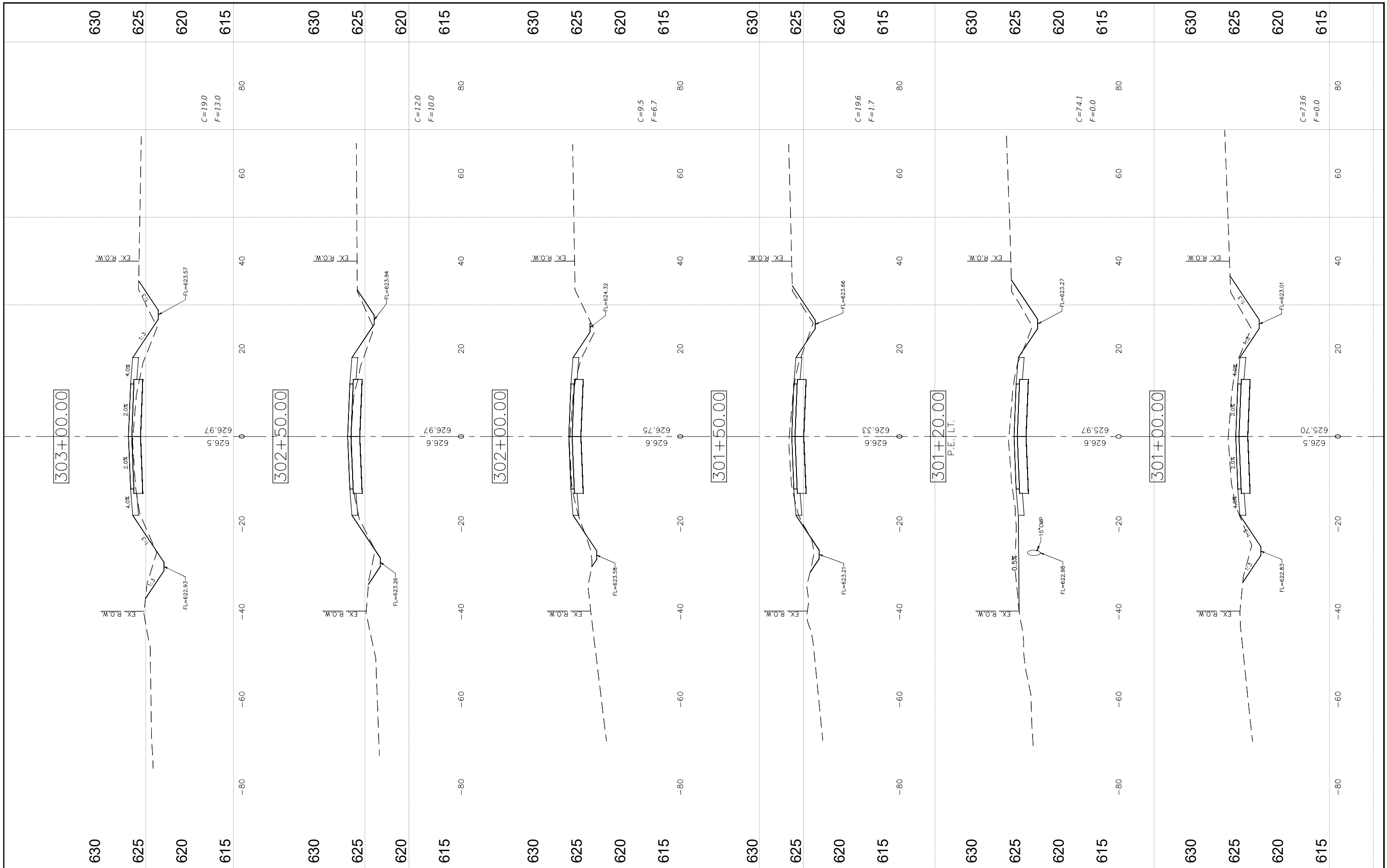
CROSS SECTIONS

SCALE: SHEET NO. 71 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	71
CONTRACT NO. 93795				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-2.DWG	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 72	
	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -		SCALE:	SHEET NO.72 OF 112 SHEETS	STA. NA TO STA. NA	CONTRACT NO. 93795					
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -		FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT								



FILE NAME =  
CROSS SECTIONS-2.DWG

USER NAME = Horgan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

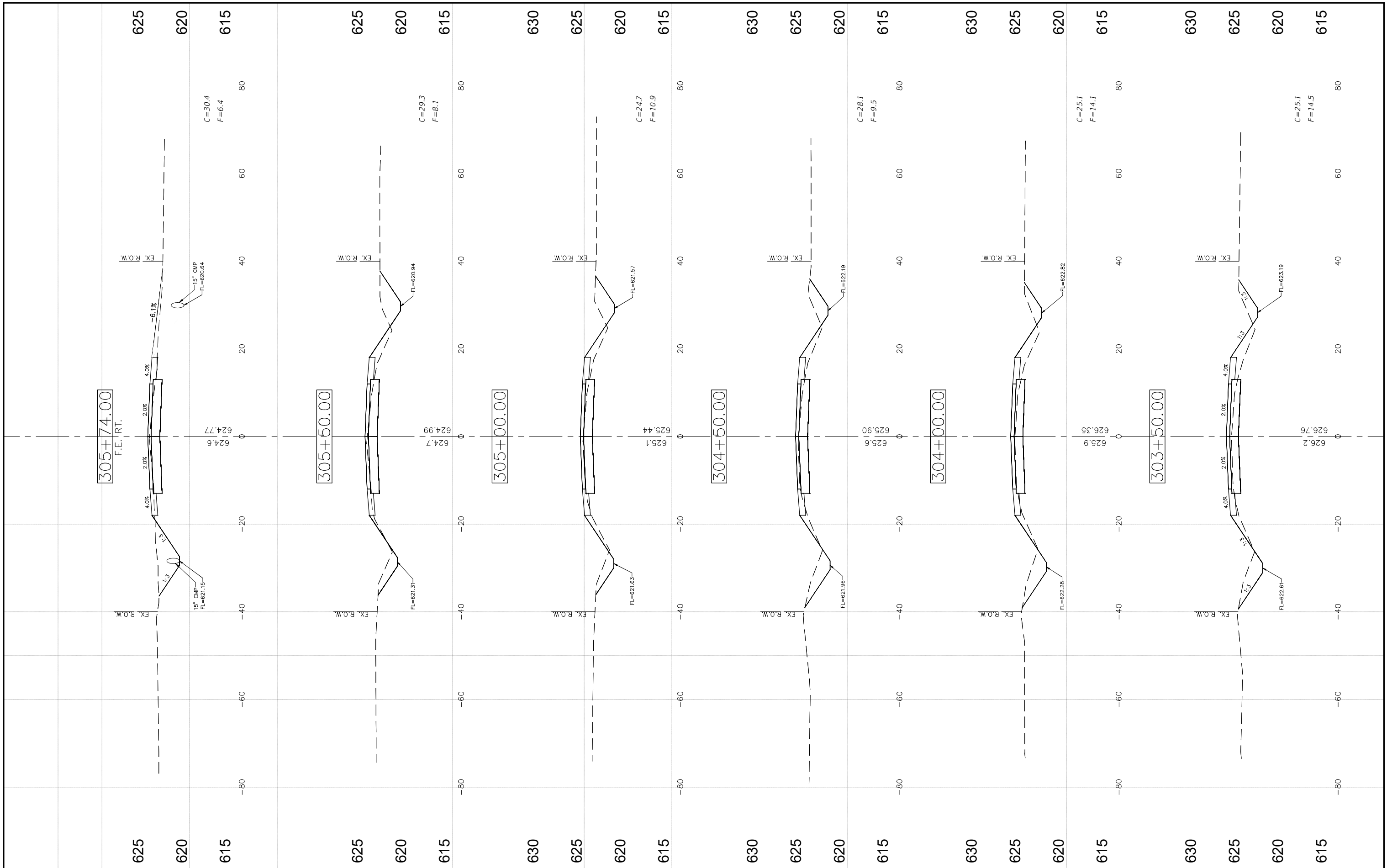
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO. 73 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	73
CONTRACT NO. 93795				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-3.DWG

USER NAME = Horgan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

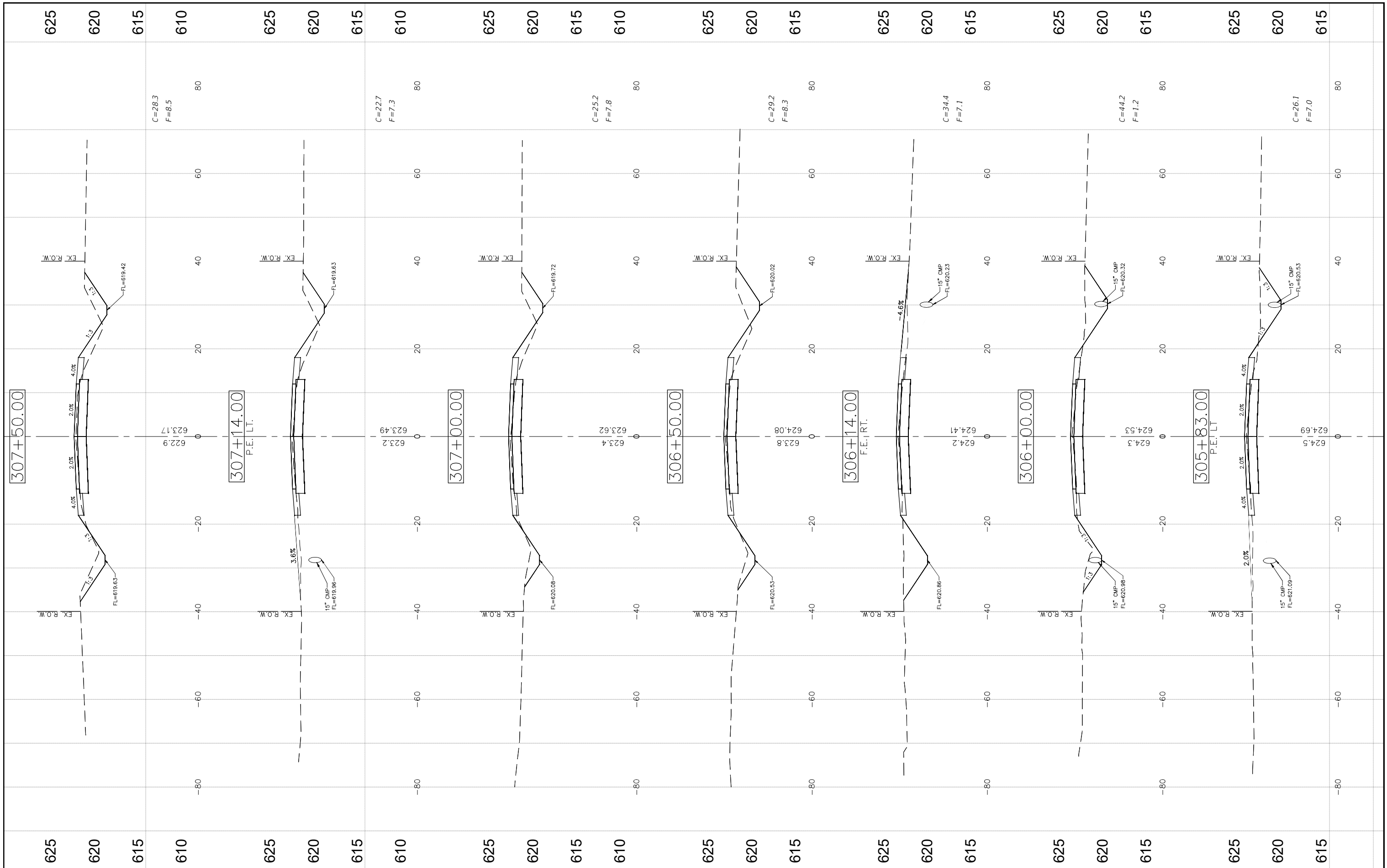
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

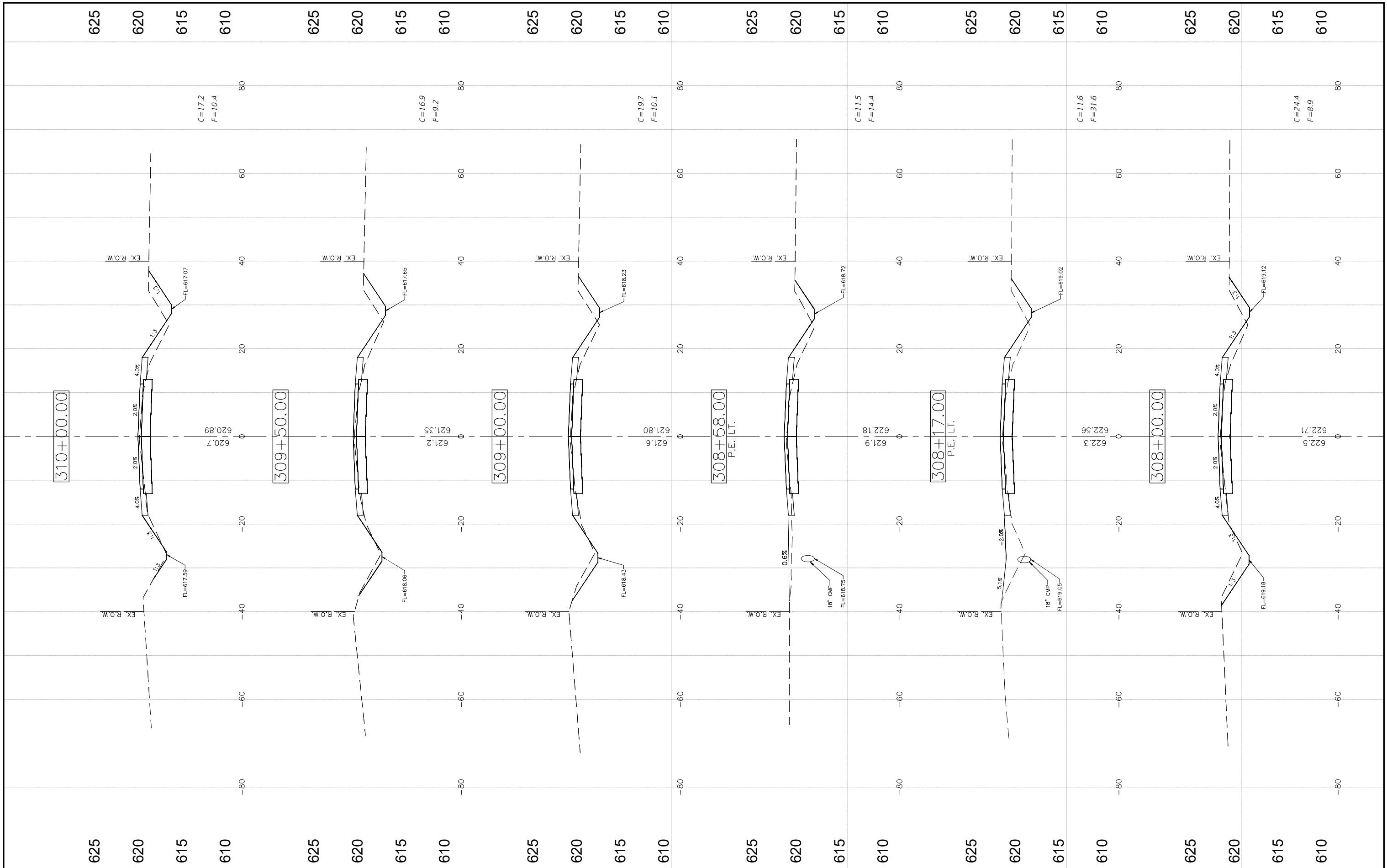
CROSS SECTIONS

SCALE: SHEET NO. 74 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	74
CONTRACT NO. 93795				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-3.DWG	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -					736	01-00080-00-FP	MACOUPIN	112	75
	PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -					CONTRACT NO. 93795				
	DATE - 9/29/2022	DATE - 9/29/2022	REVISED -					FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. 75 OF 112 SHEETS STA. NA TO STA. NA												



FILE NAME =  
CROSS SECTIONS-3.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

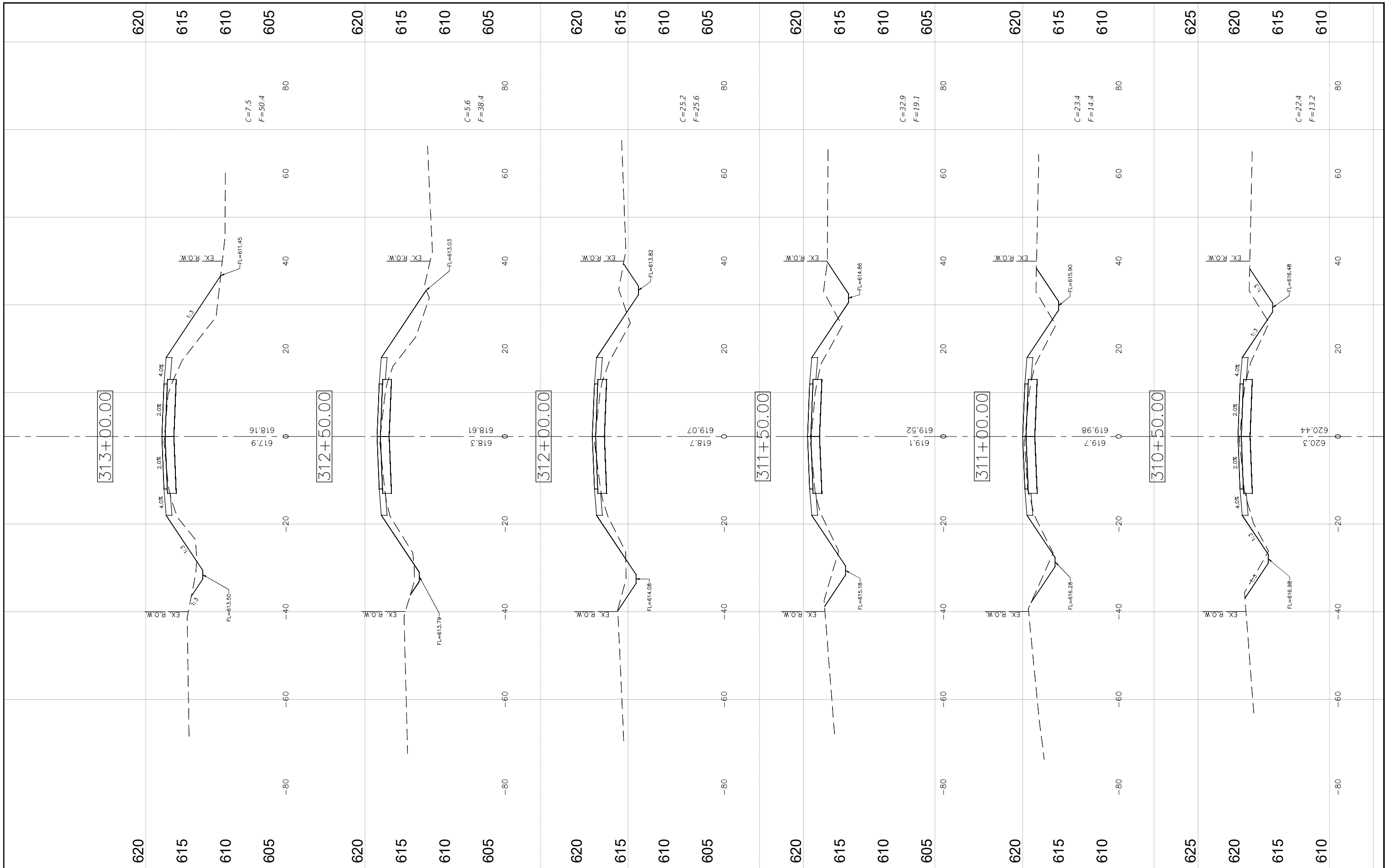
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.76 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	76
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-3.DWG

USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

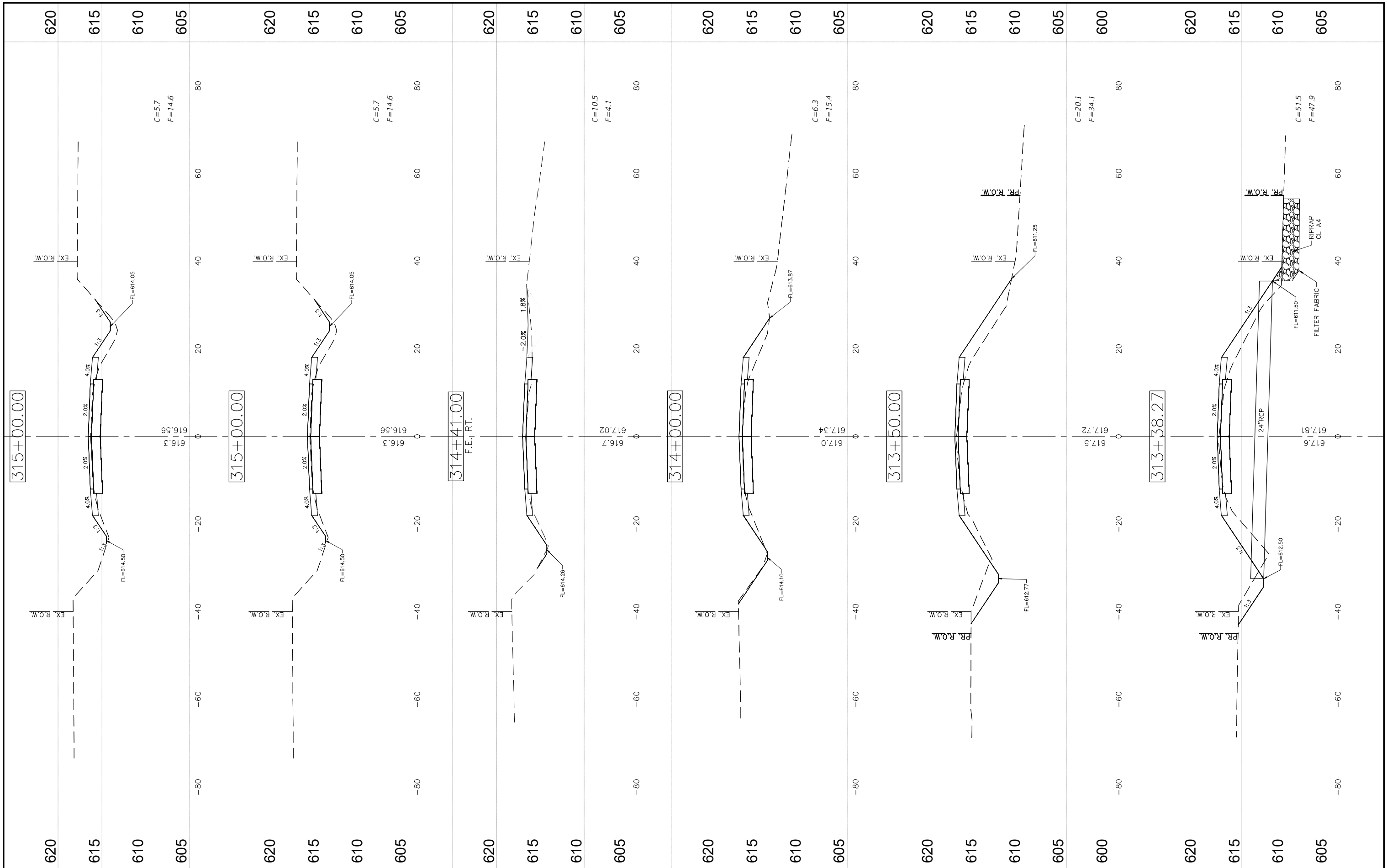
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: \_\_\_\_\_ SHEET NO. 77 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	77
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT			CONTRACT NO. 93795	





FILE NAME = CROSS SECTIONS-4.DWG

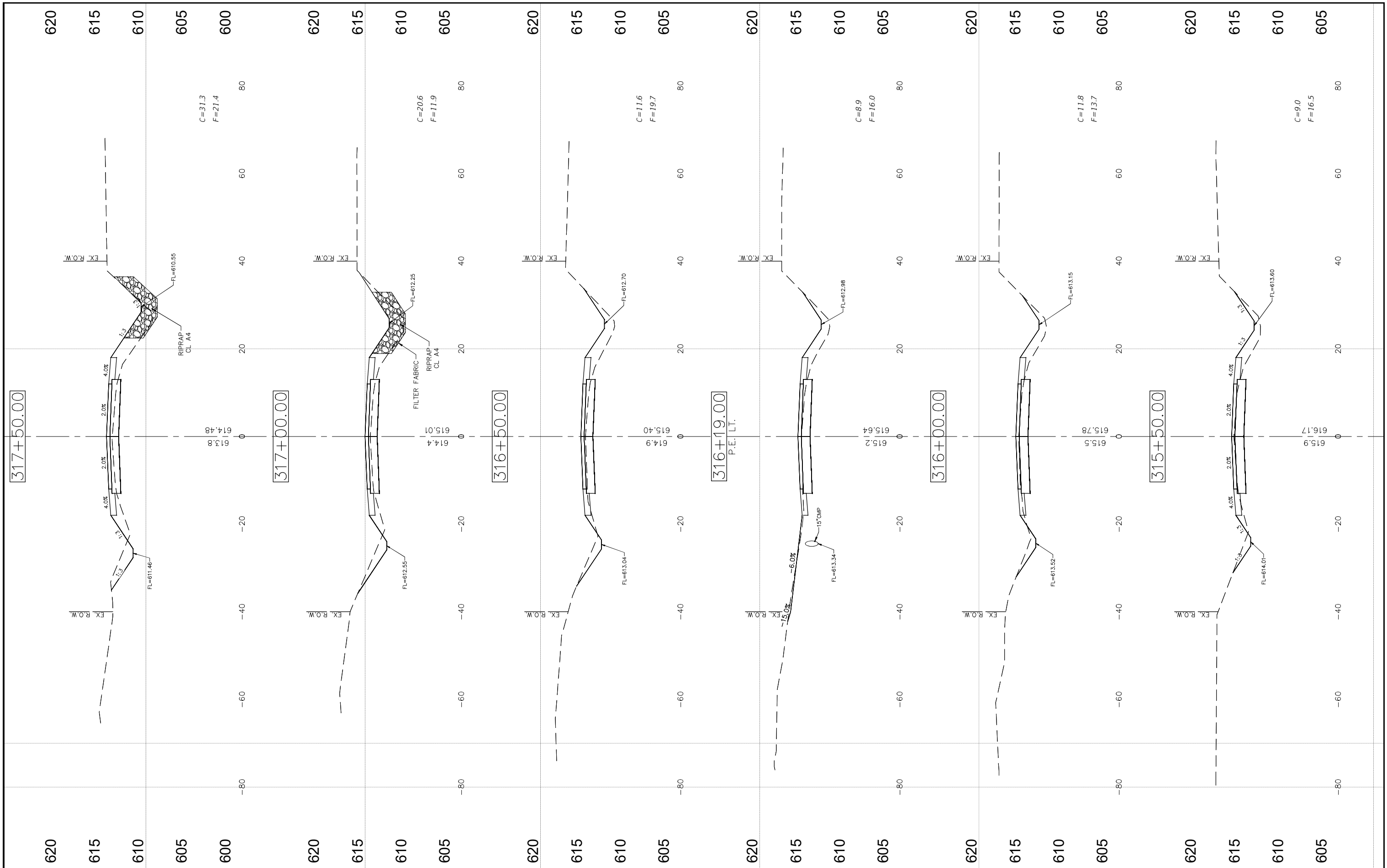
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.78 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 78
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-4.DWG

USER NAME = Horgan, Chris  
 DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

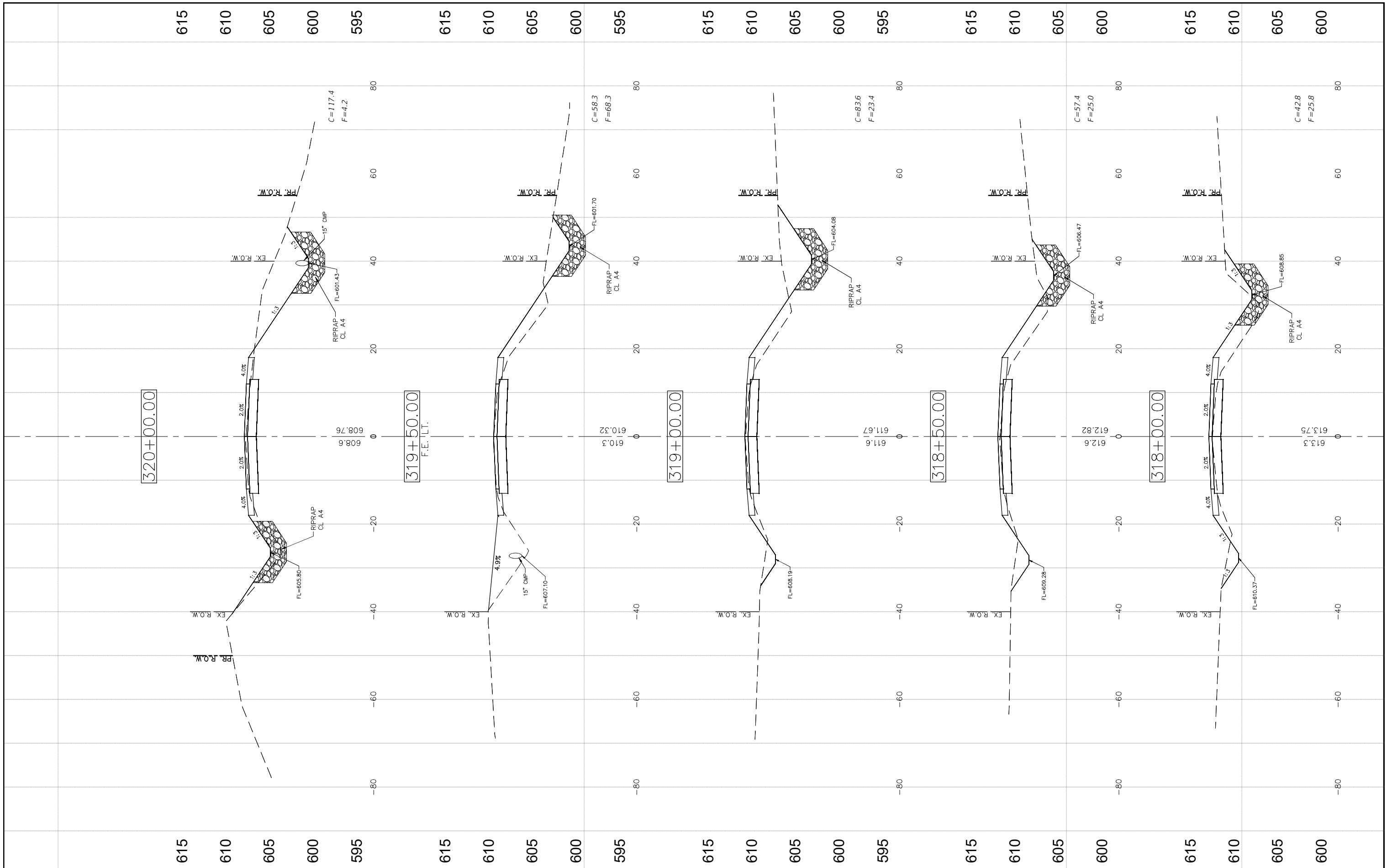
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO. 79 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	79
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME =  
CROSS SECTIONS-4.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

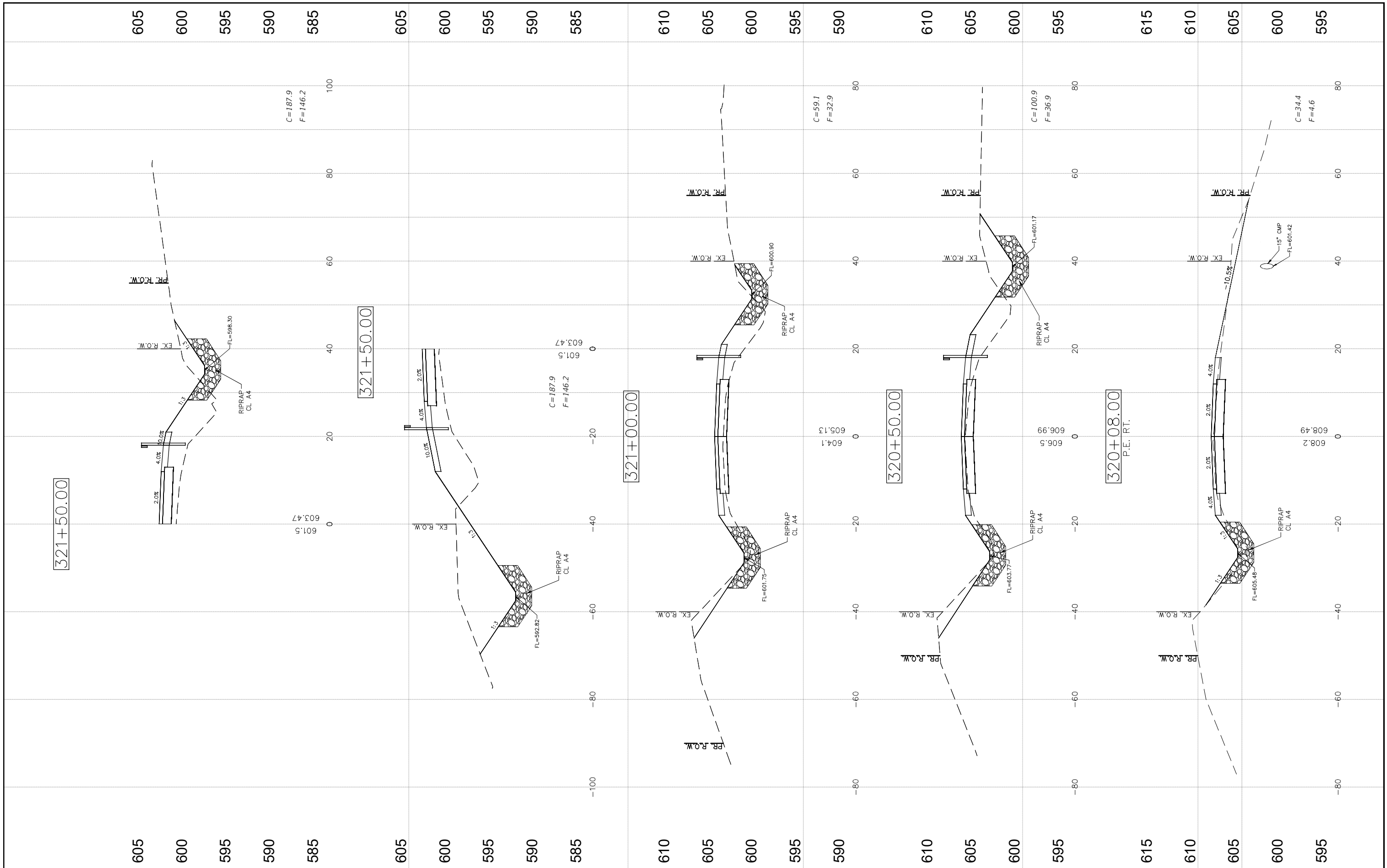
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.80 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	80
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-4.DWG

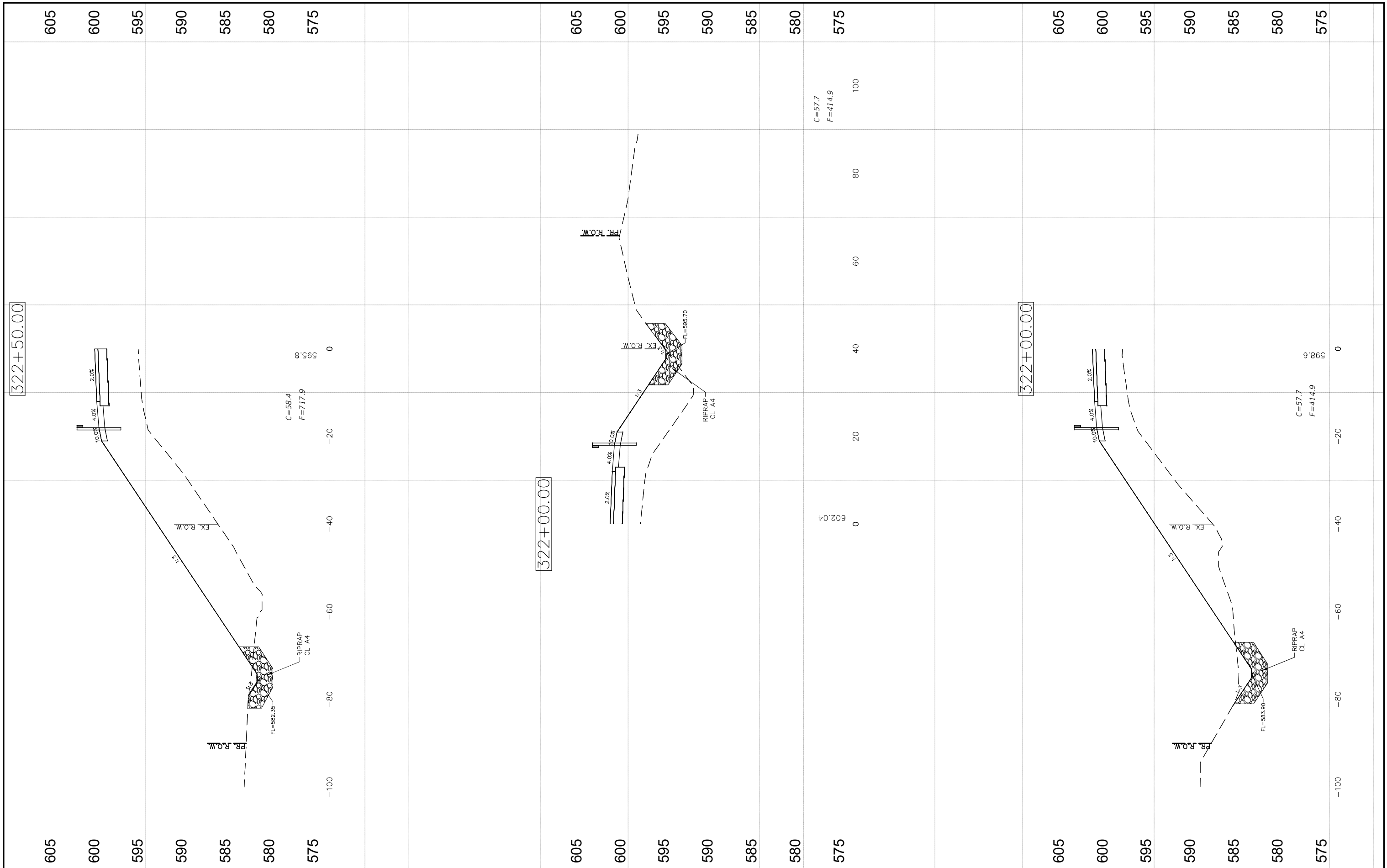
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.81 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 81
FED. ROAD DIST. NO.6 ILLINOIS				CONTRACT NO. 93795
FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-5.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

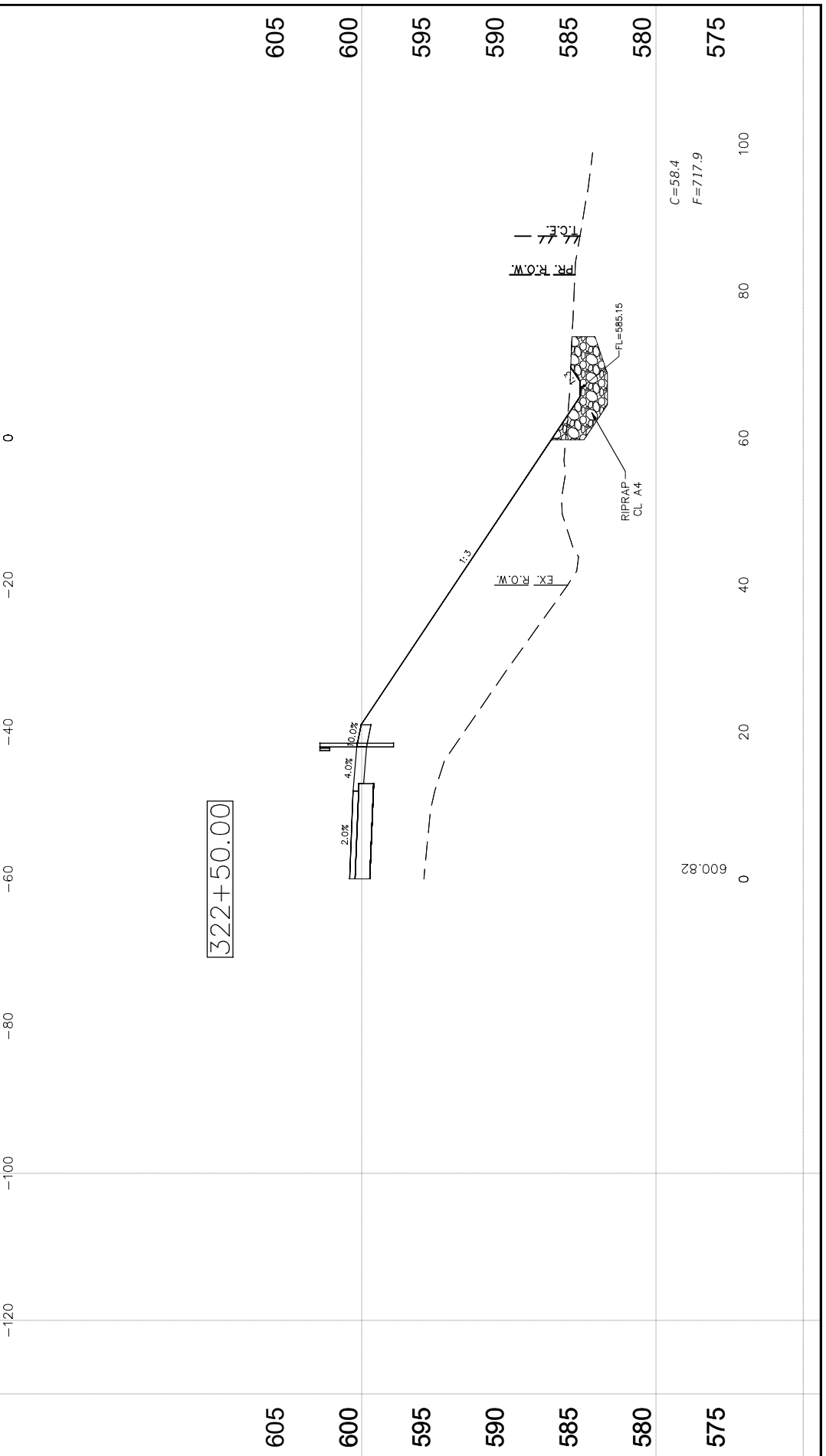
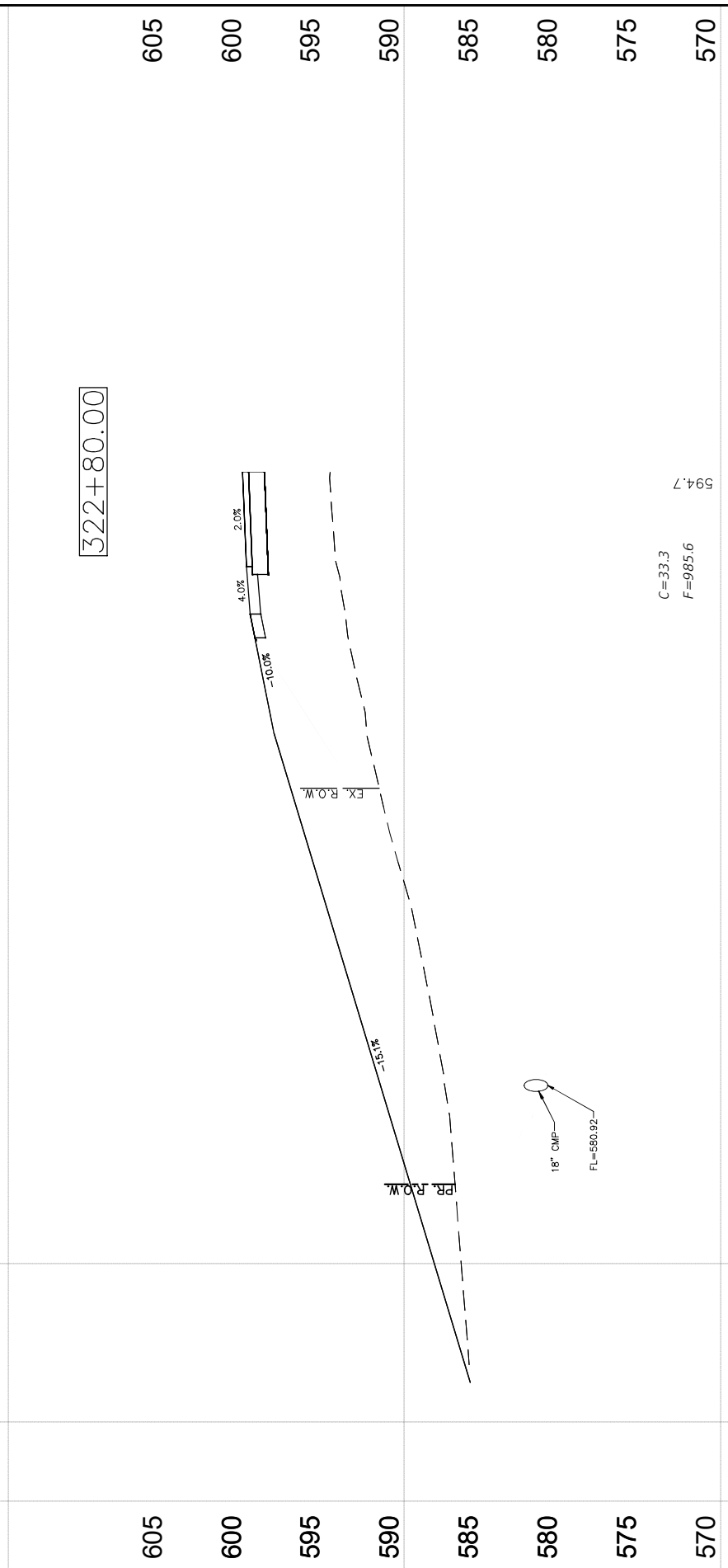
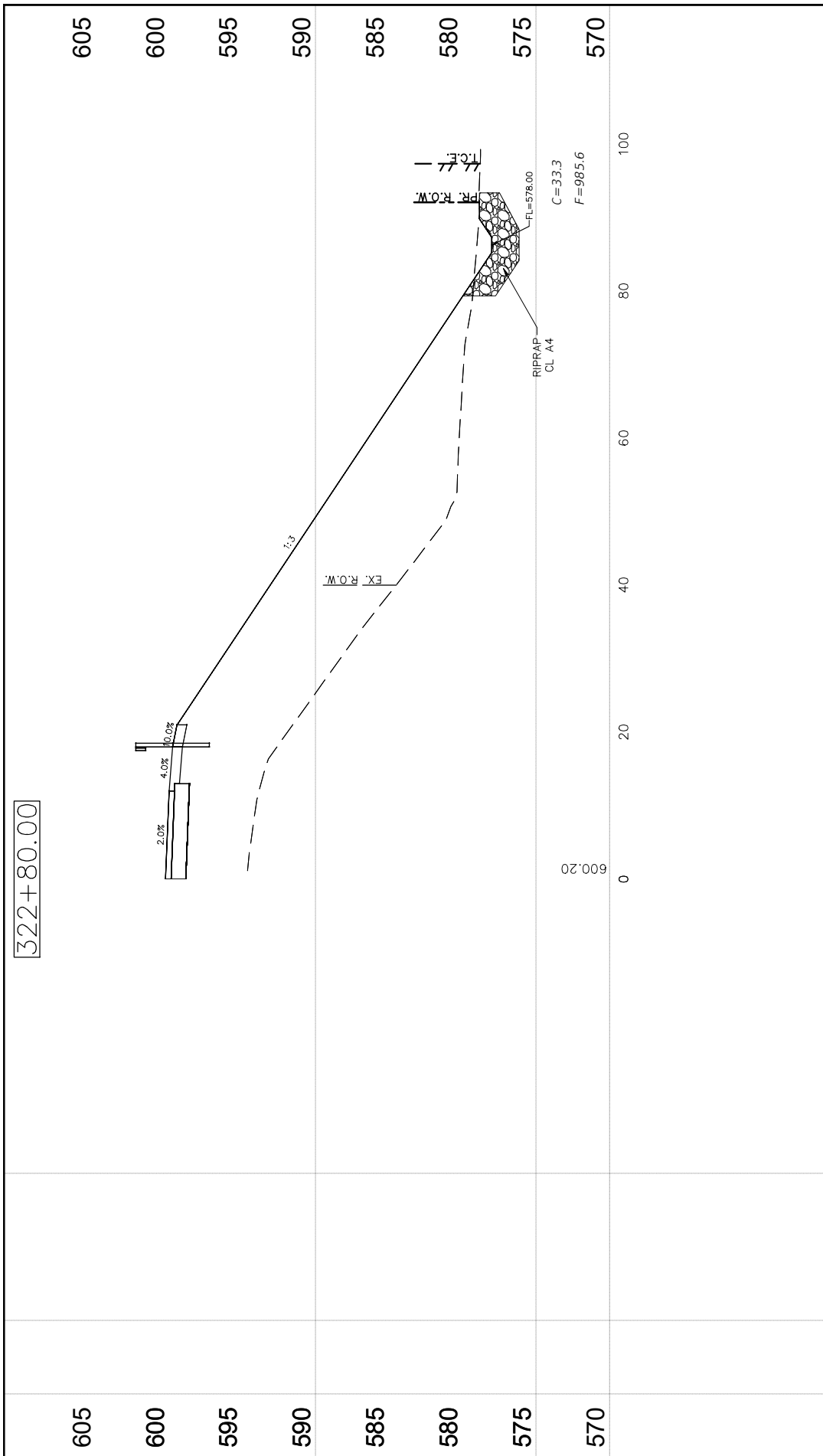
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.82 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	82
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-5.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

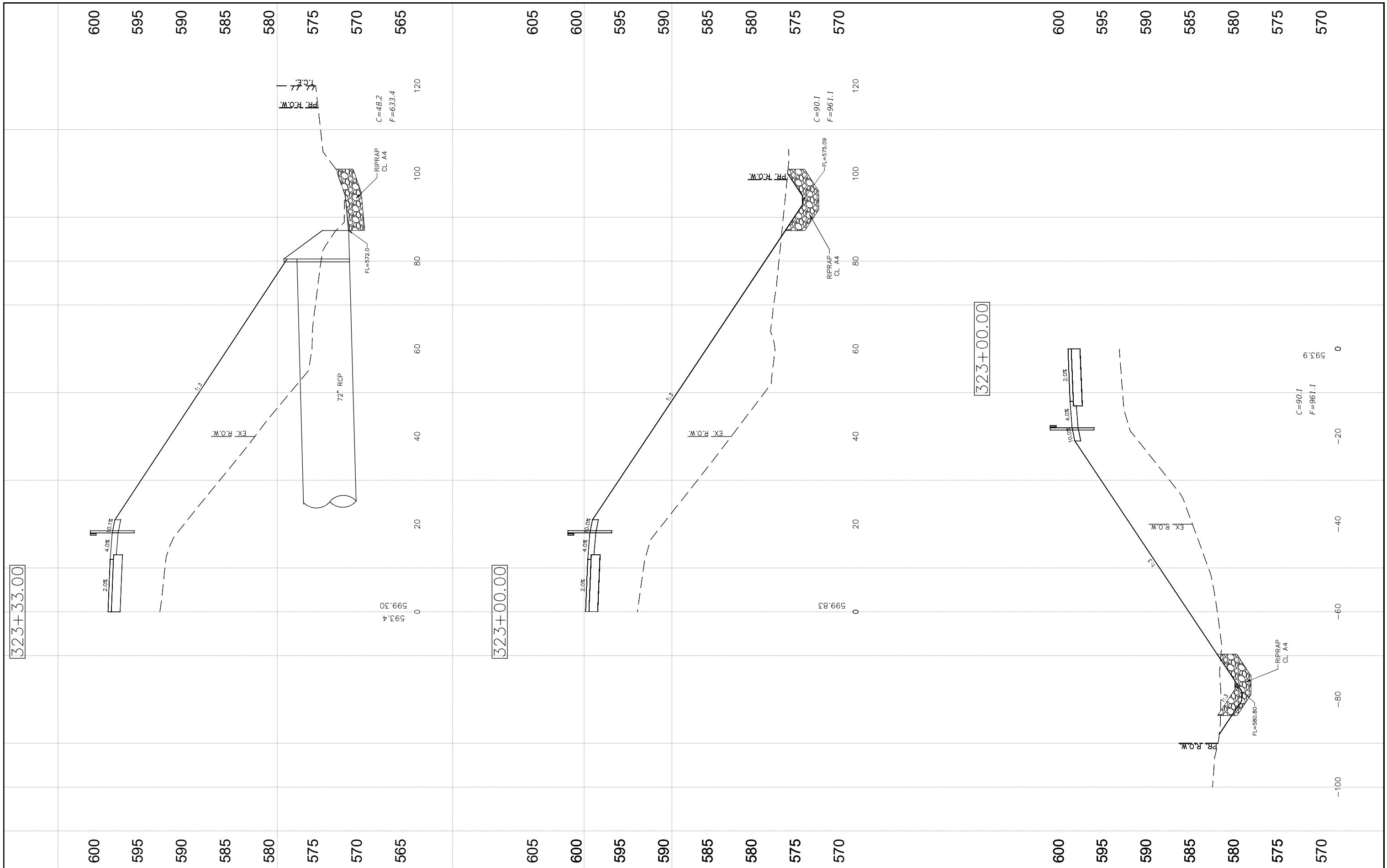
DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 SCALE: SHEET NO.83 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	83
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-5.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

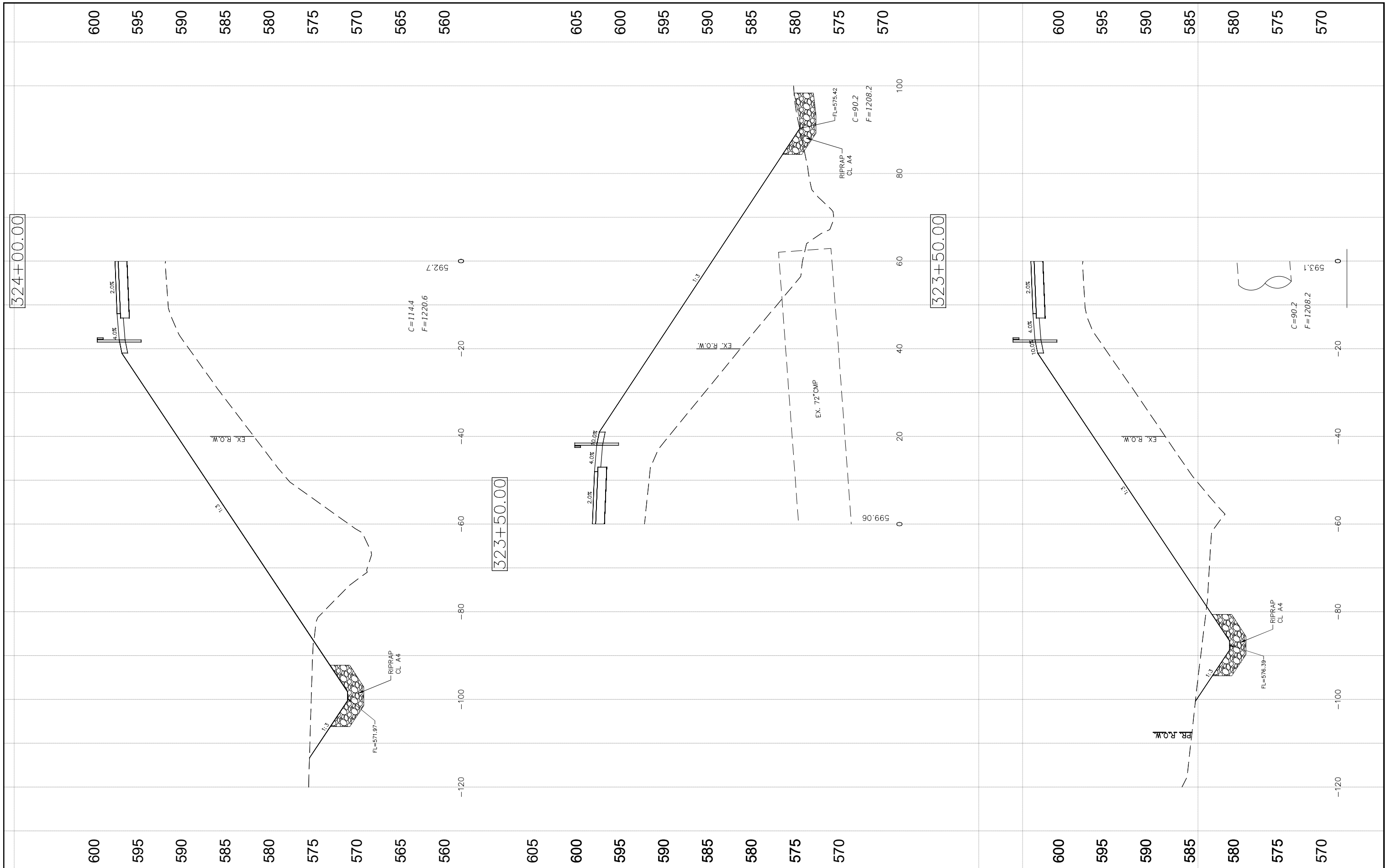
CROSS SECTIONS

SCALE: SHEET NO.84 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	84
CONTRACT NO. 93795				

FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT





FILE NAME =  
CROSS SECTIONS-5.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

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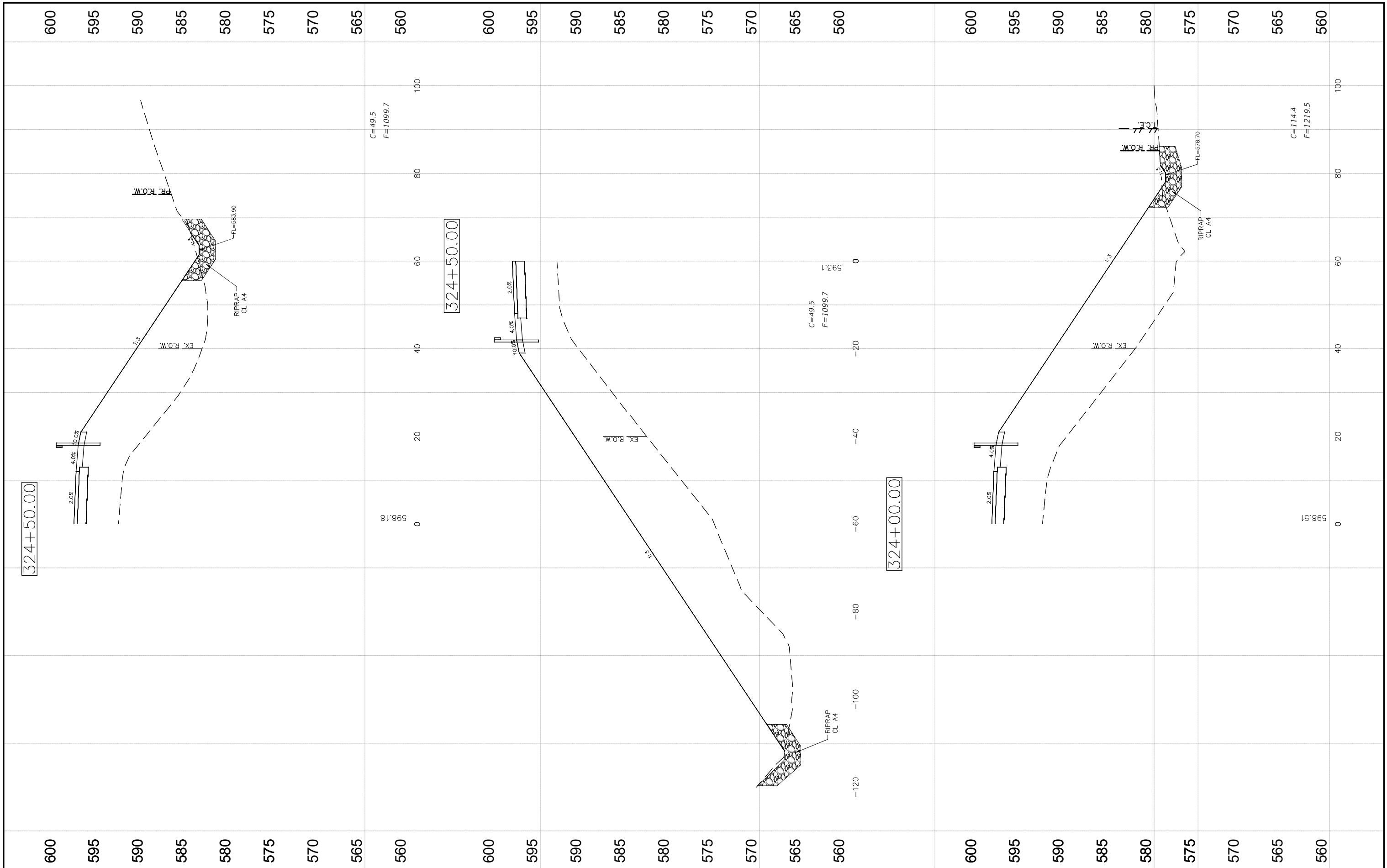
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.85 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	85
CONTRACT NO. 93795				

FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT



FILE NAME = CROSS SECTIONS-6.DWG

USER NAME = Horgan, Chris  
 DESIGNED - JAL  
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 DATE - 9/29/2022

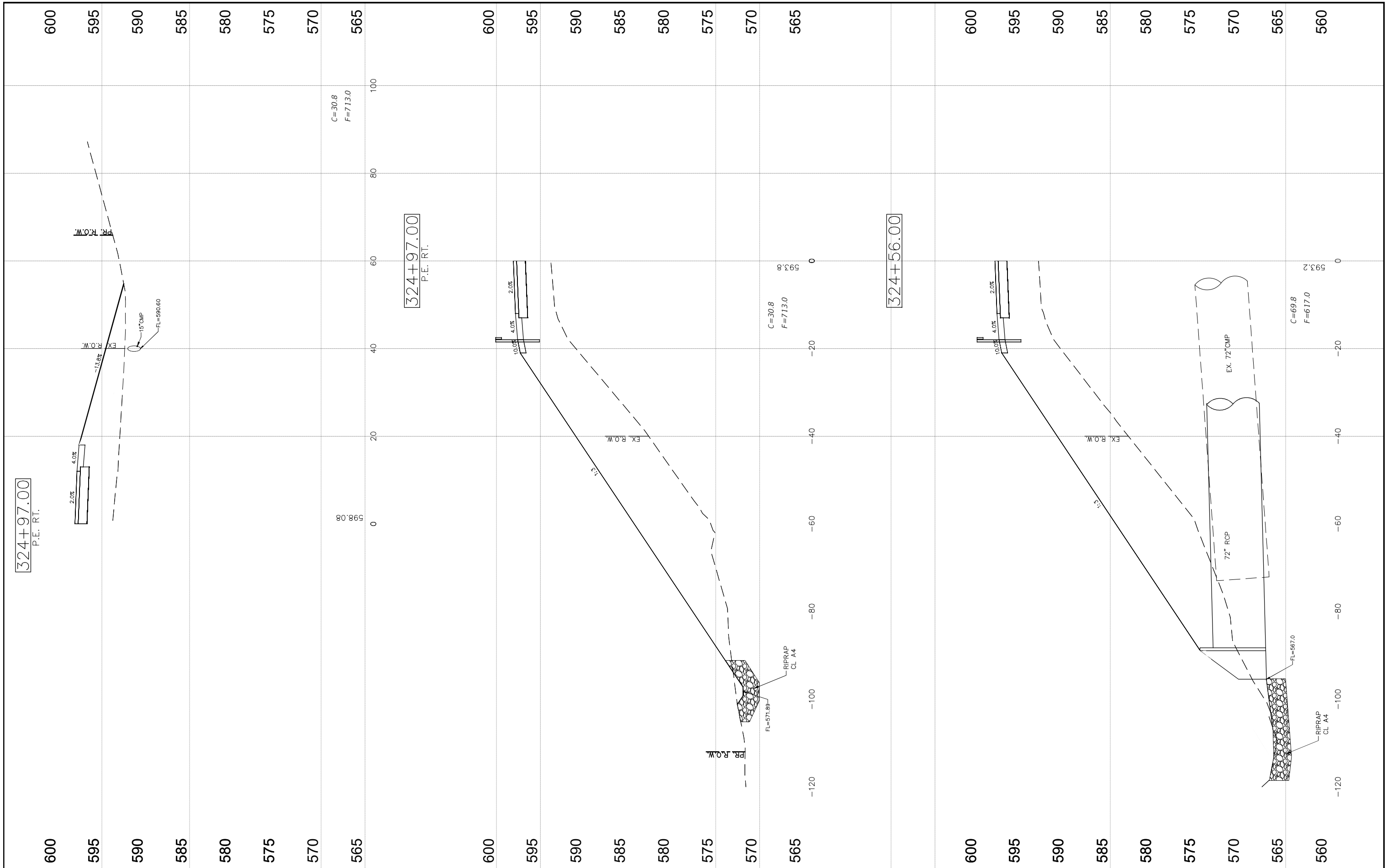
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.86 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	86
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-6.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
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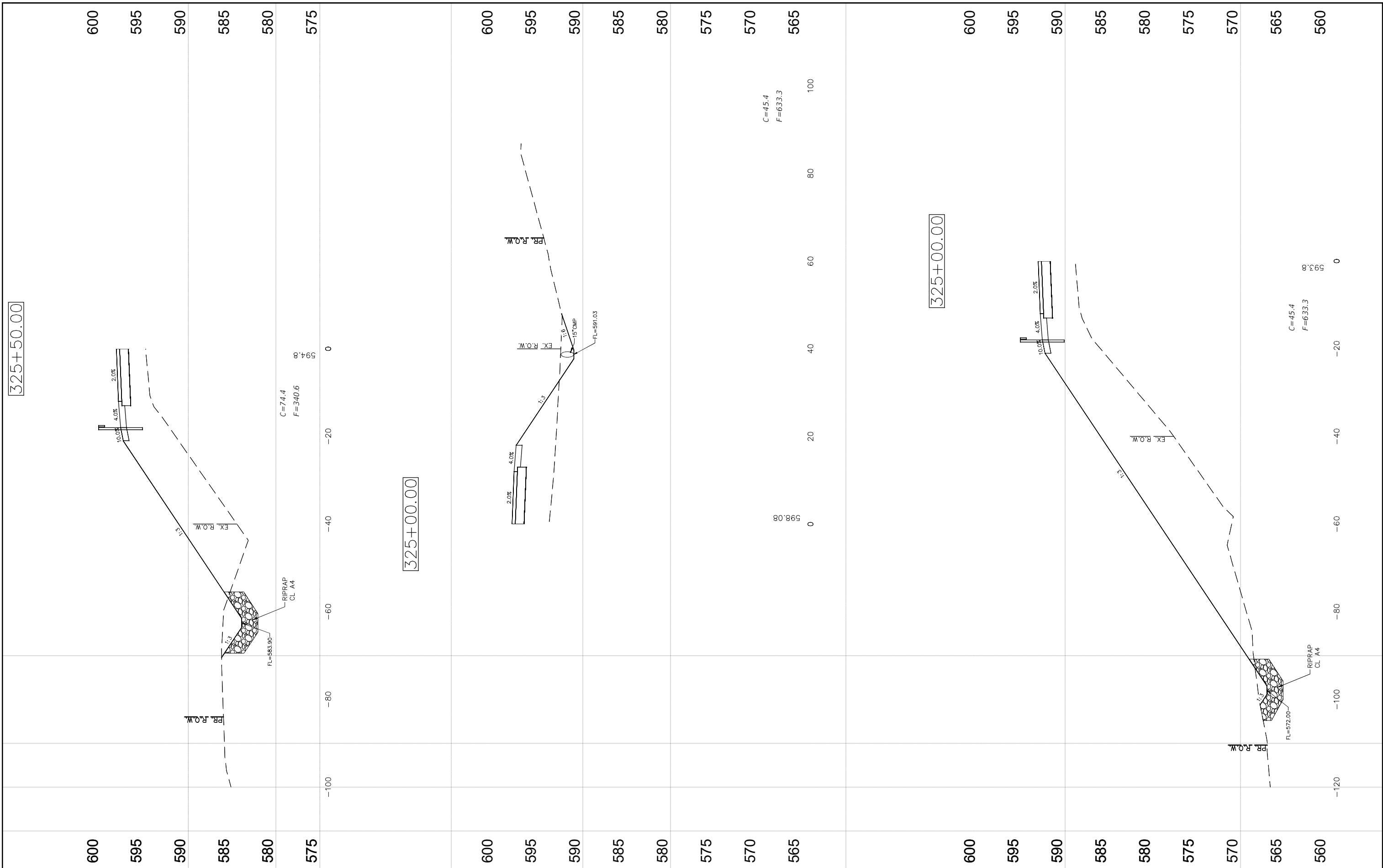
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO. 87 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	87
CONTRACT NO. 93795				

FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT



FILE NAME =  
CROSS SECTIONS-6.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

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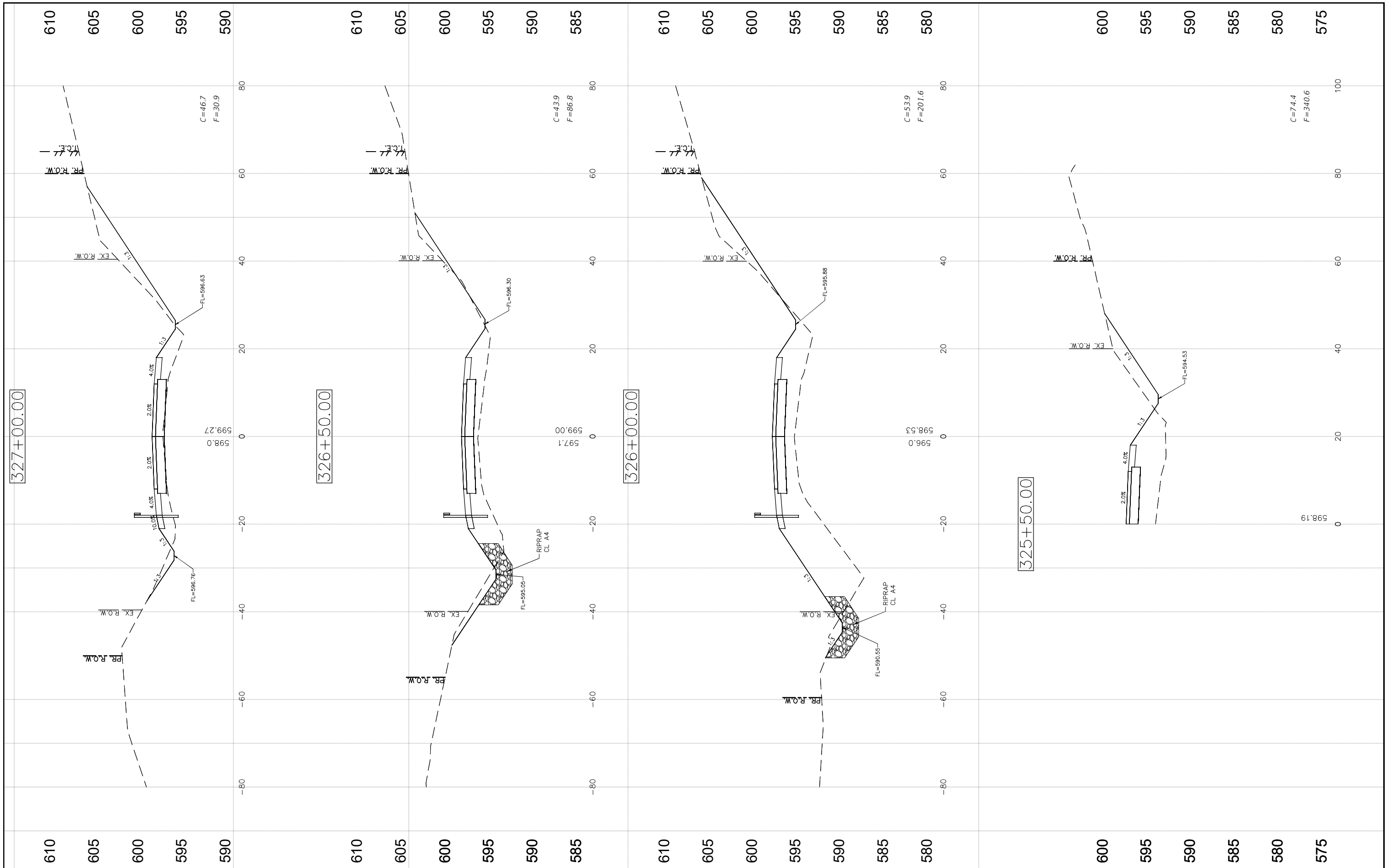
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.88 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	88
CONTRACT NO. 93795				

FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT



FILE NAME = CROSS SECTIONS-6.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

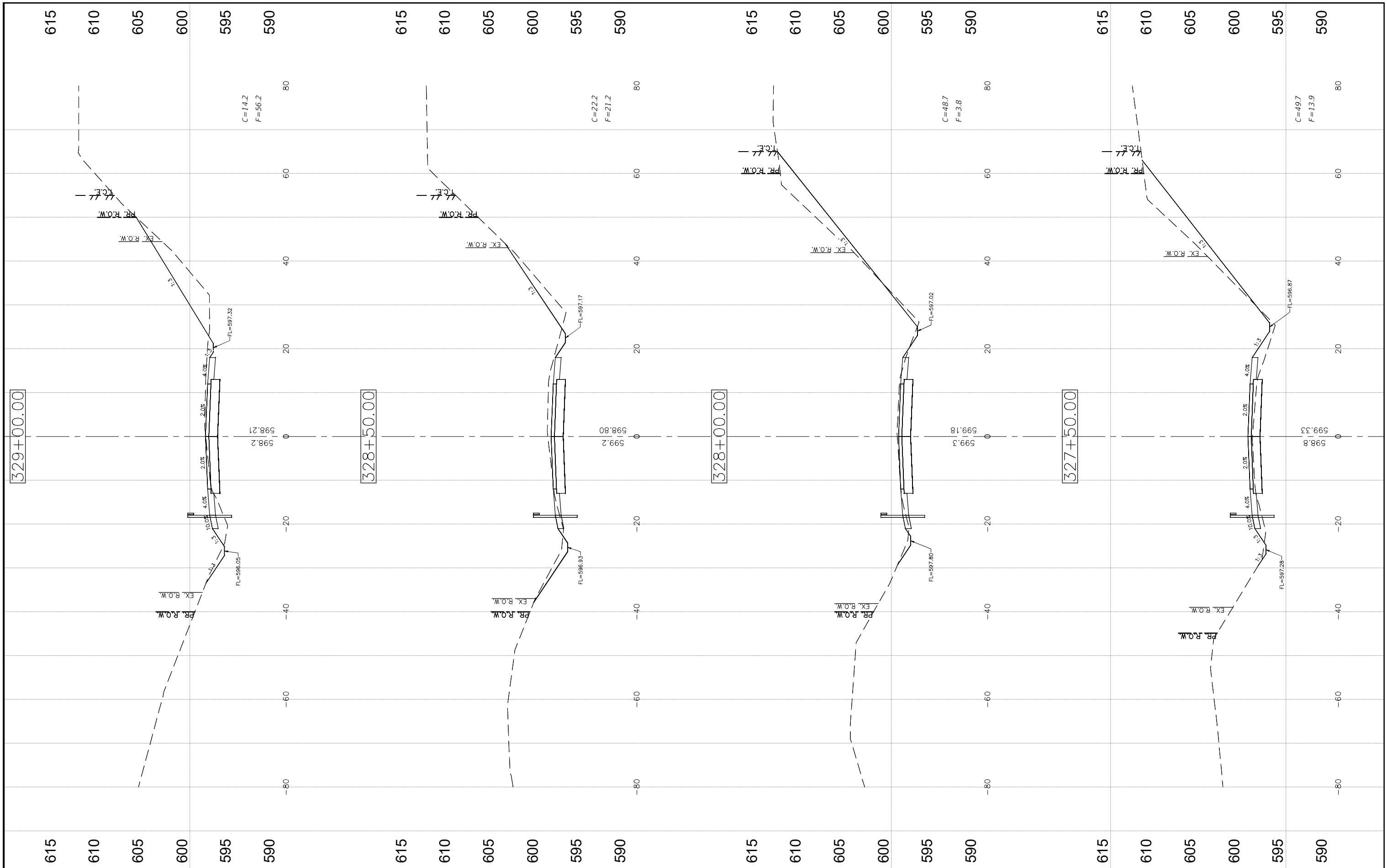
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 CHECKED - CAW  
 DATE - 9/29/2022

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 SCALE: SHEET NO.89 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	89
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-7.DWG

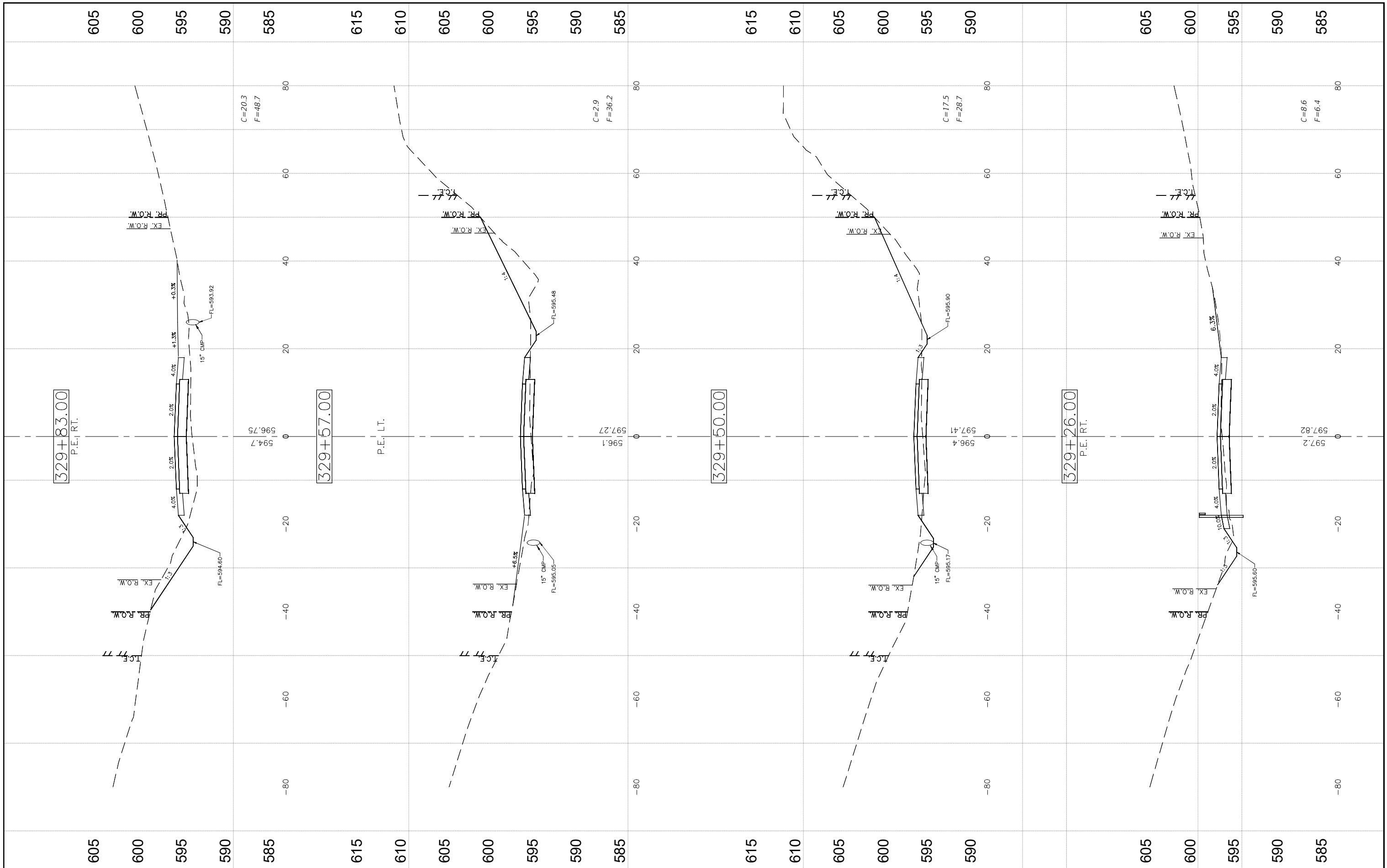
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.90 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 90
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-7.DWG

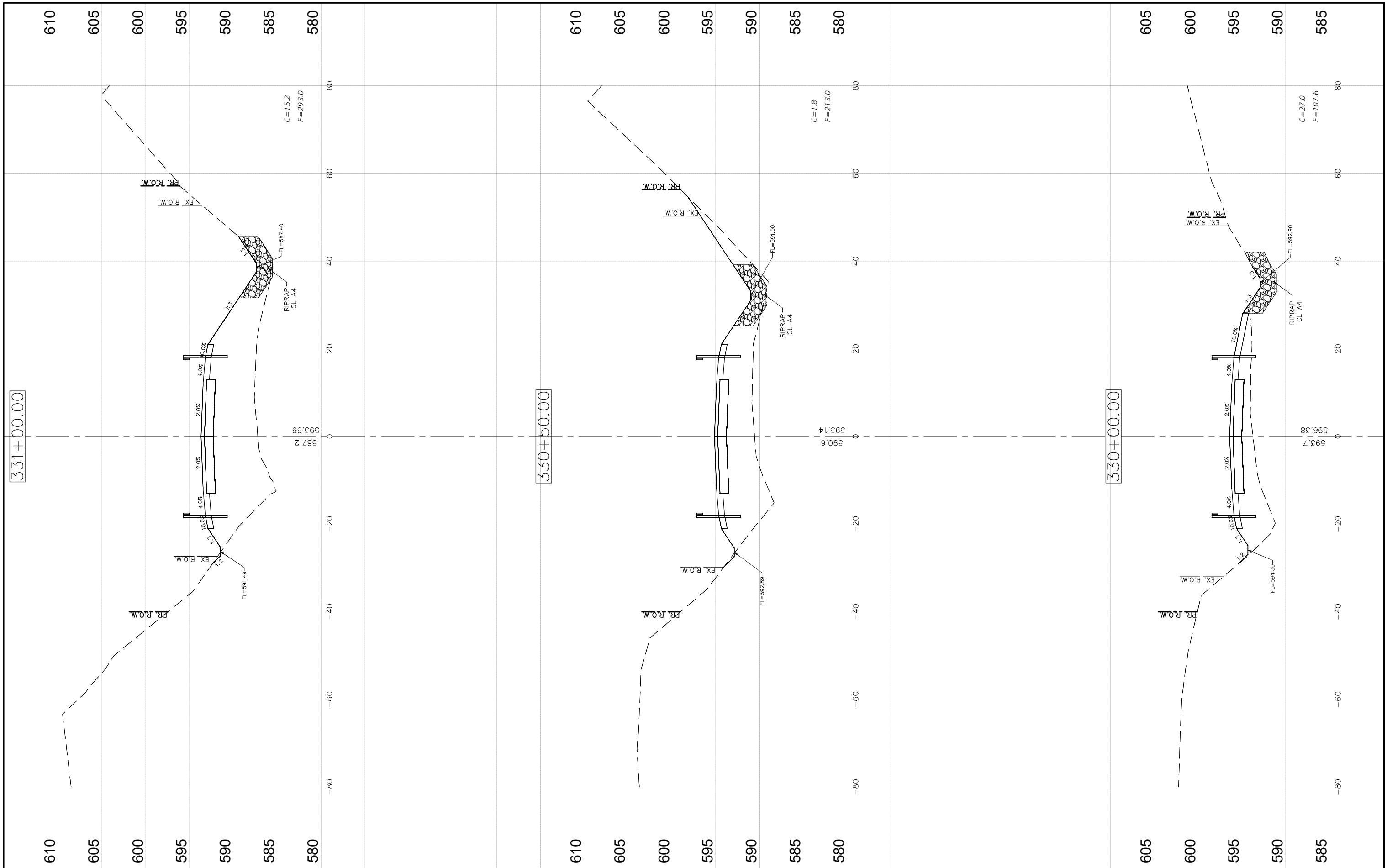
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.91 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 91
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-7.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

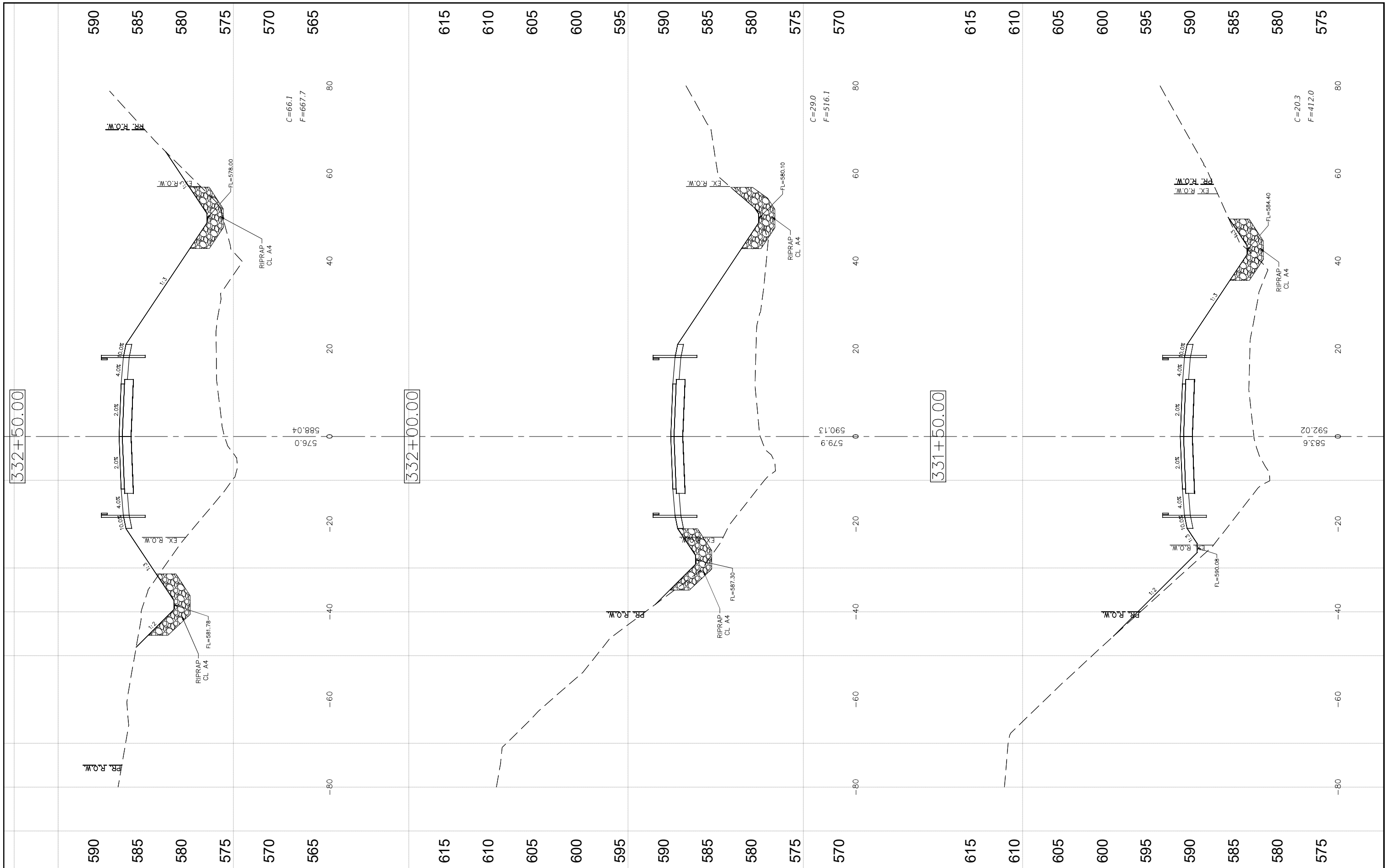
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 SCALE: SHEET NO.92 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	92
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				





FILE NAME =  
CROSS SECTIONS-7.DWG

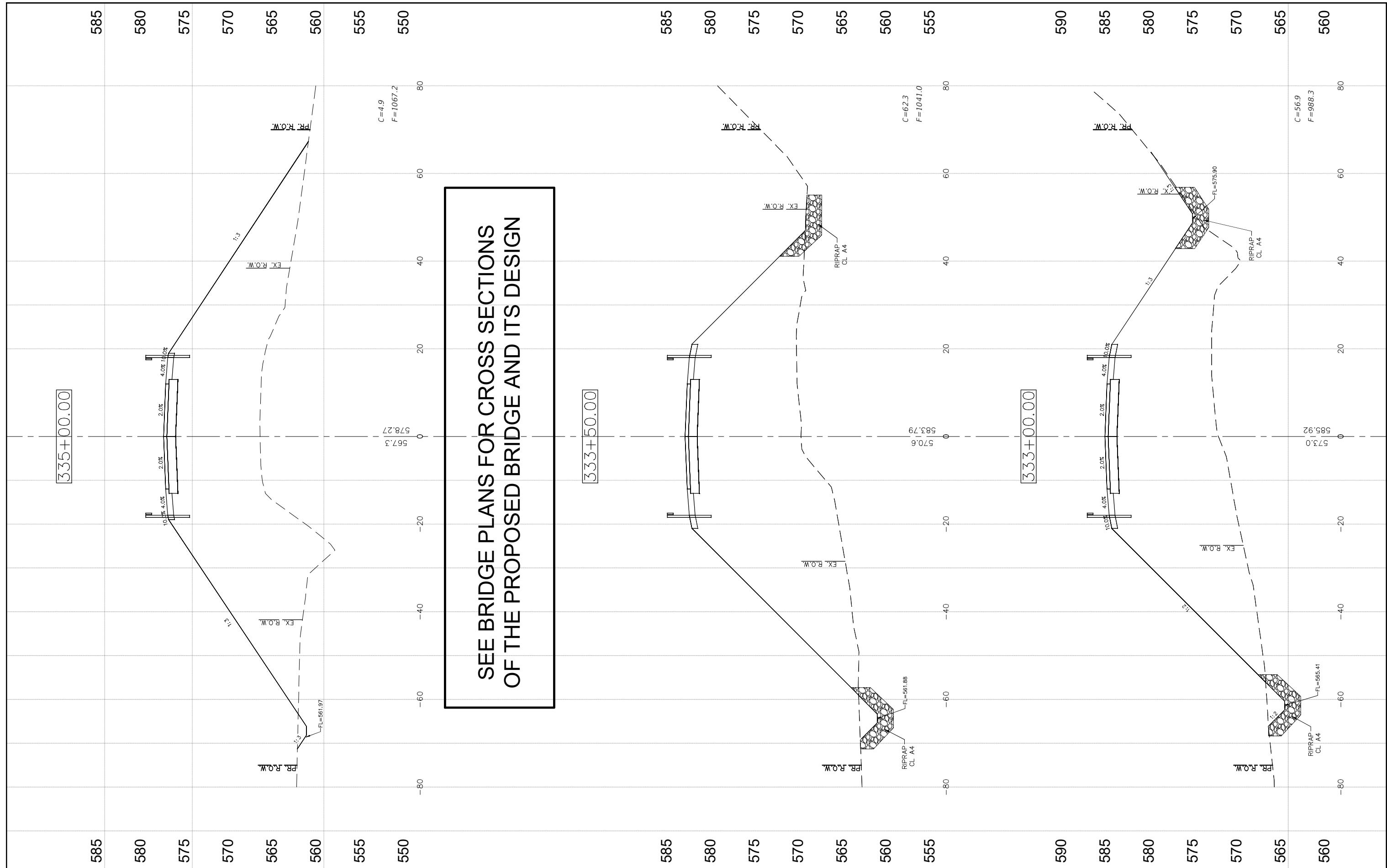
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	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.93 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 93
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT			CONTRACT NO. 93795	



SEE BRIDGE PLANS FOR CROSS SECTIONS  
OF THE PROPOSED BRIDGE AND ITS DESIGN

FILE NAME =  
CROSS SECTIONS-8.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

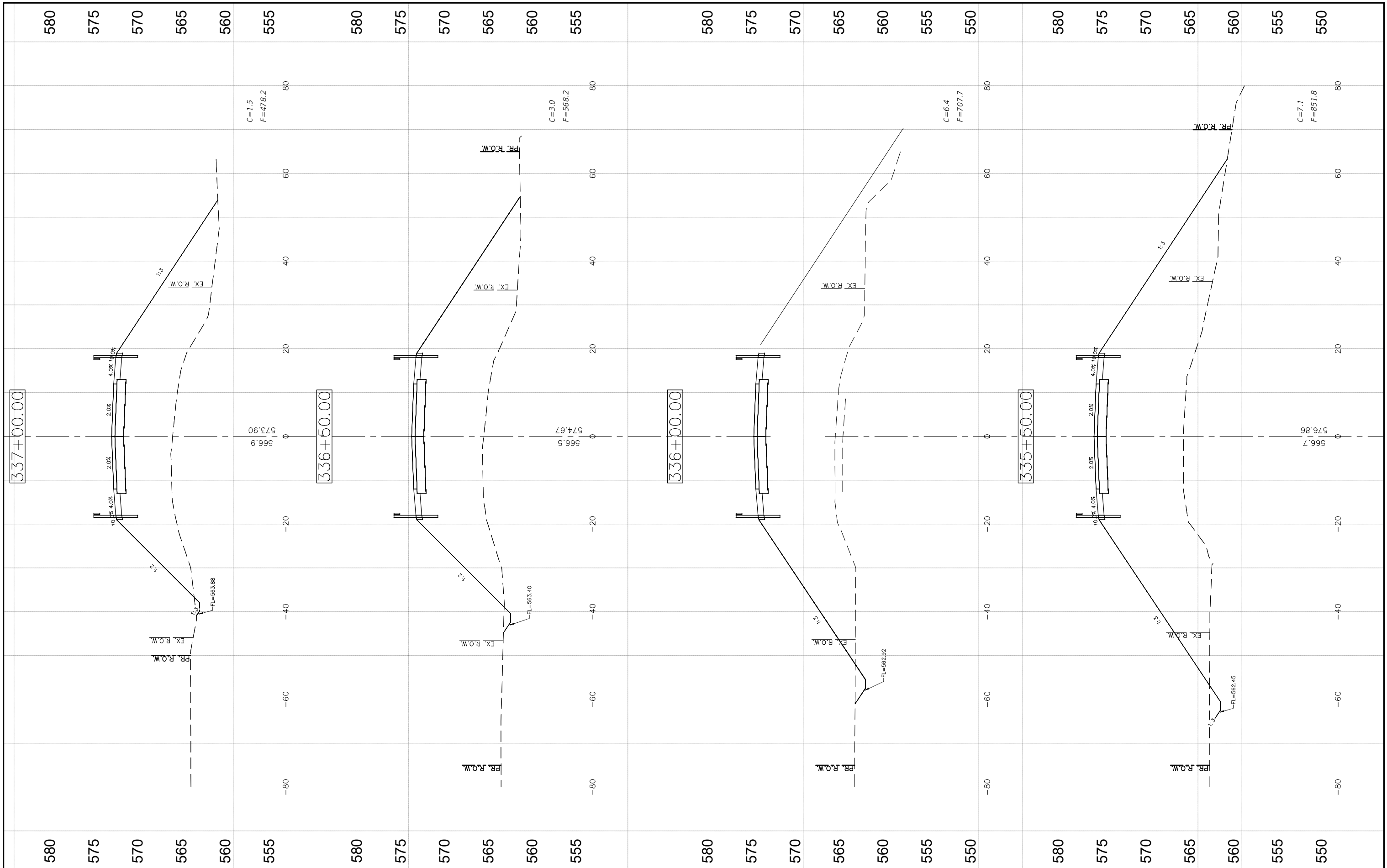
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.94 OF 112SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	94
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-8.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

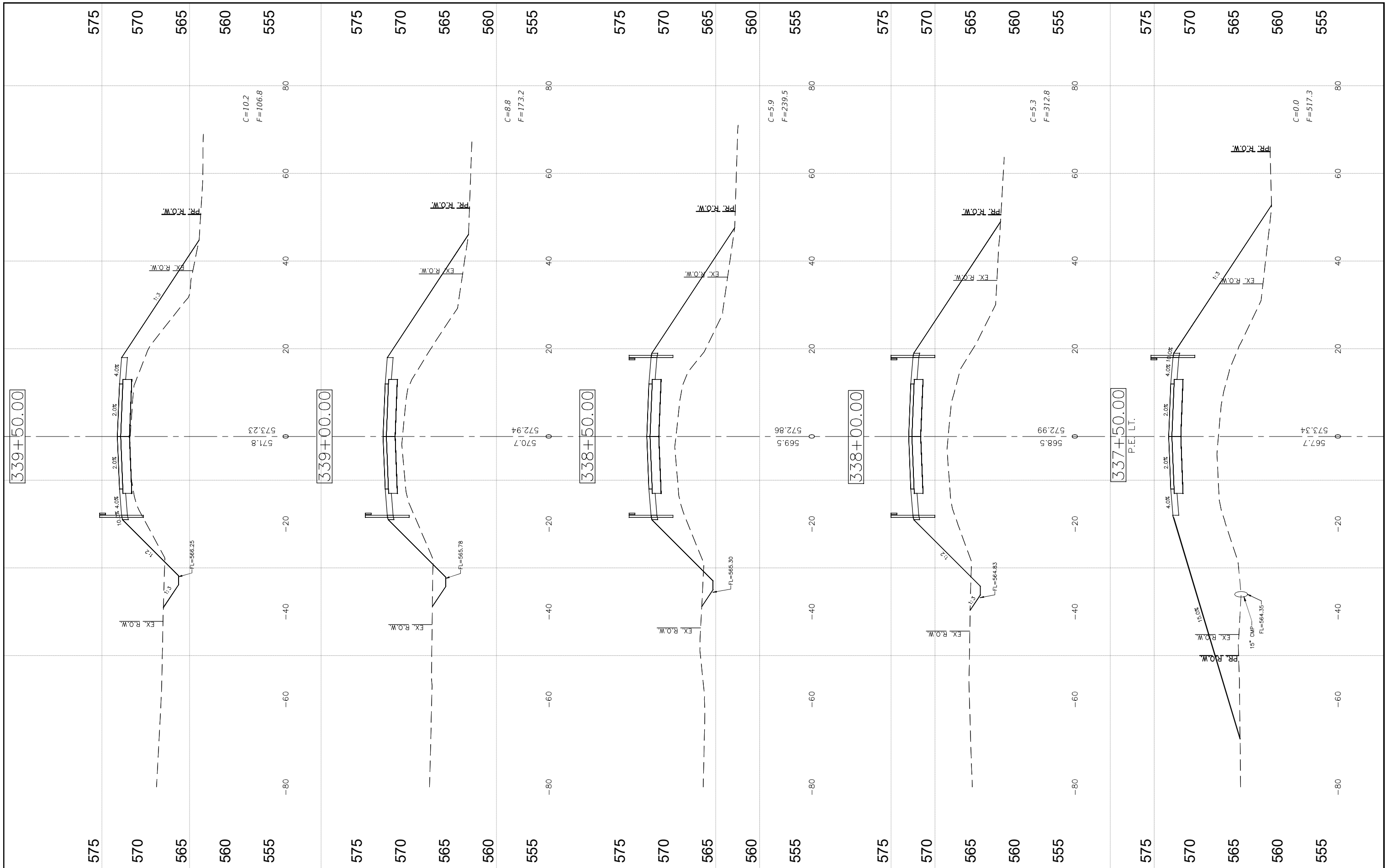
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.95 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	95
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-8.DWG

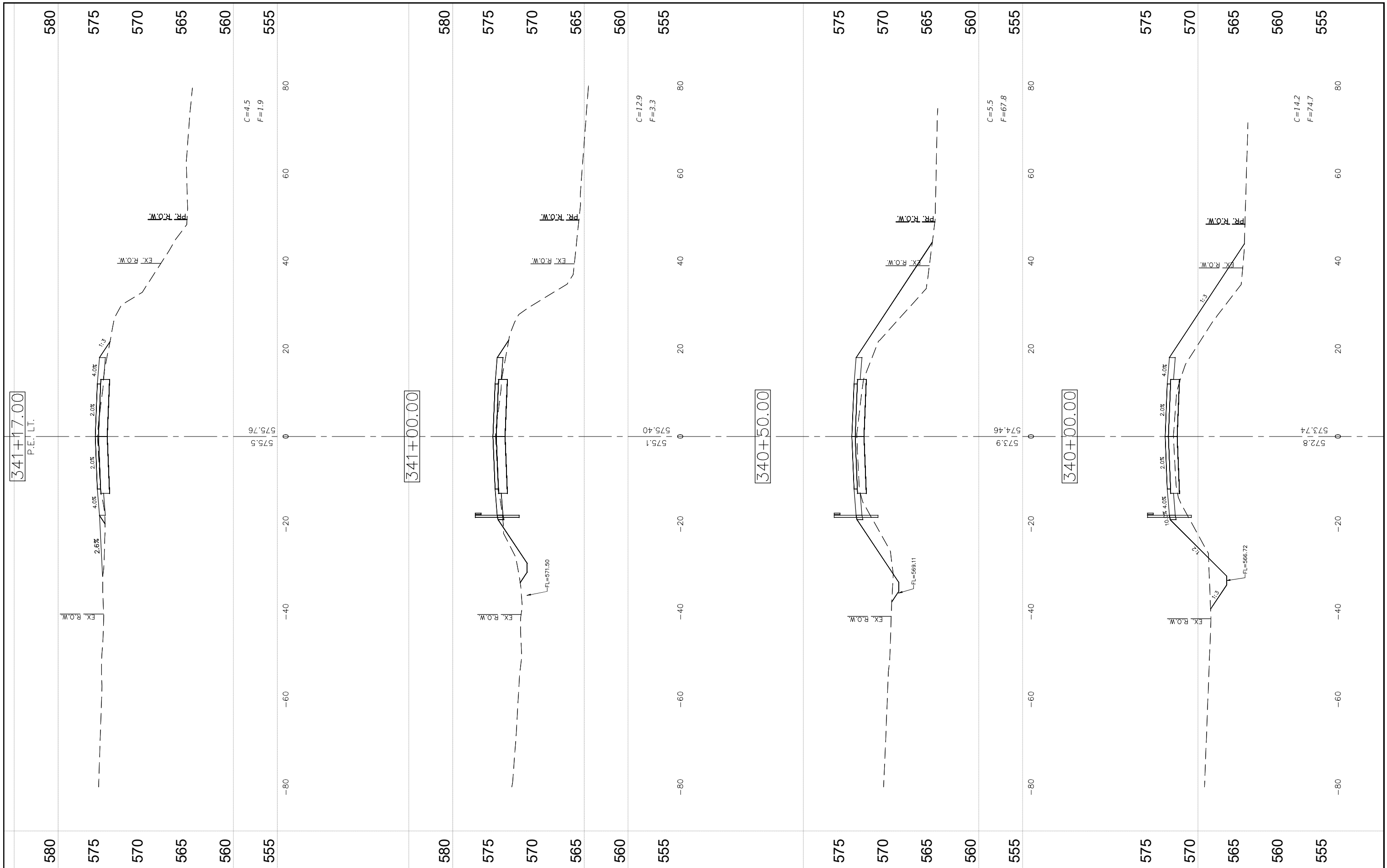
USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

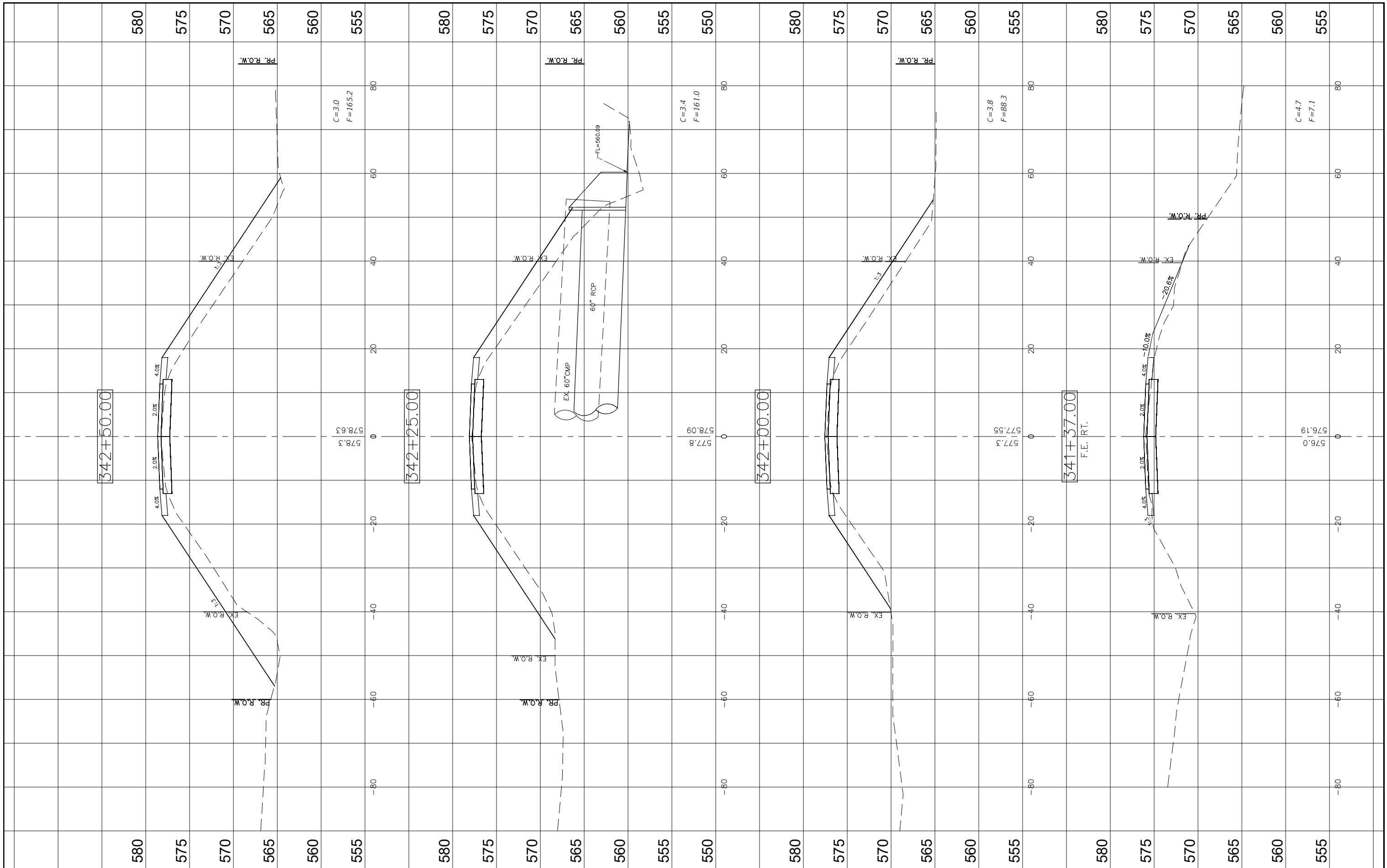
**CROSS SECTIONS**

SCALE: SHEET NO.96 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 96
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
CROSS SECTIONS-8.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REVISED -				736	01-00080-00-FP	MACOUPIN	112	97		
	PLOT DATE = 9/29/2022	DATE - 9/29/2022	REVISED -				SCALE: SHEET NO.97 OF 112 SHEETS STA. NA TO STA. NA		CONTRACT NO. 93795				
							ILLINOIS FED. AID PROJECT						



FILE NAME =  
 CROSS SECTIONS-9.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 10/6/2015

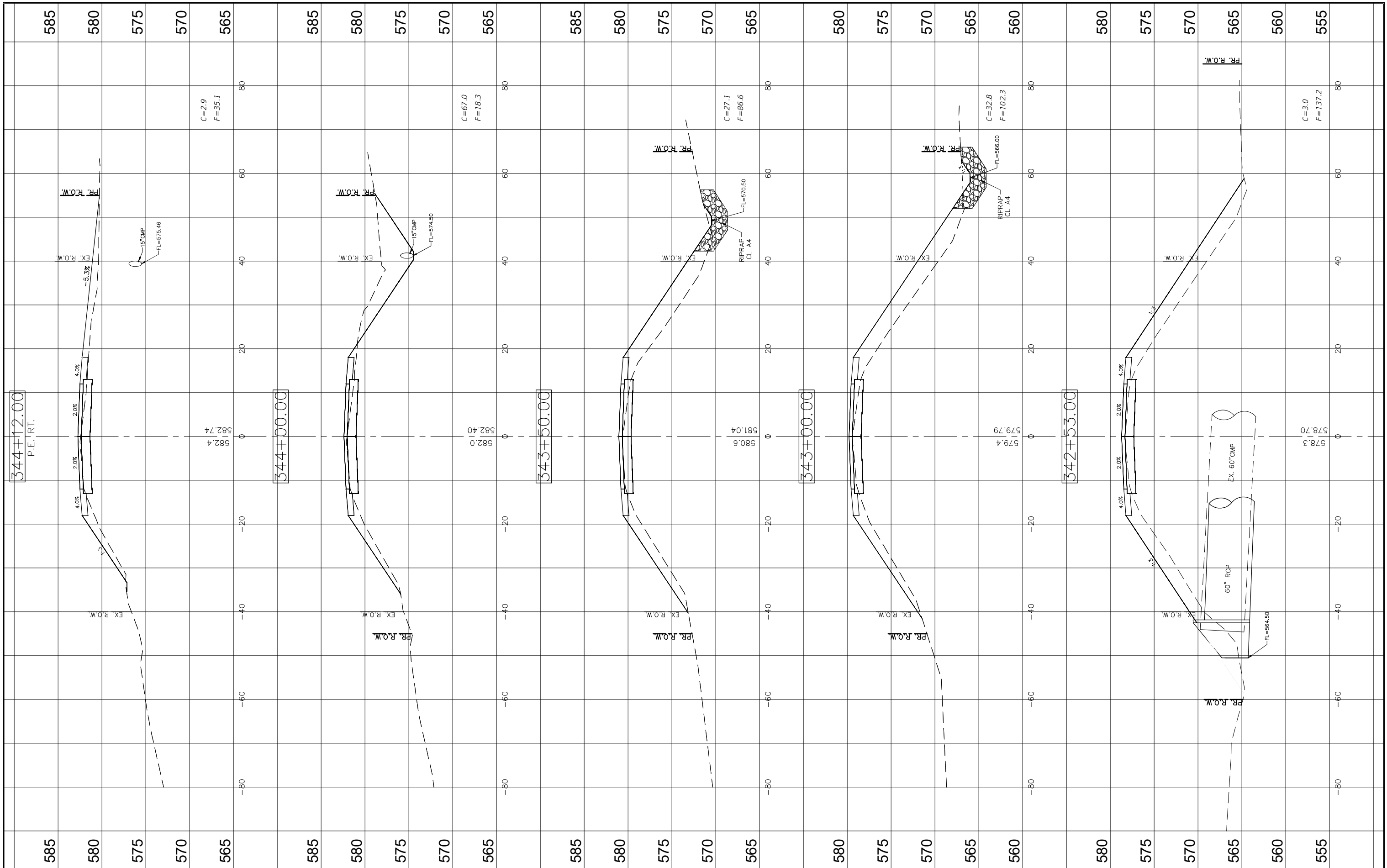
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.98 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 98
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-9.DWG  
 USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

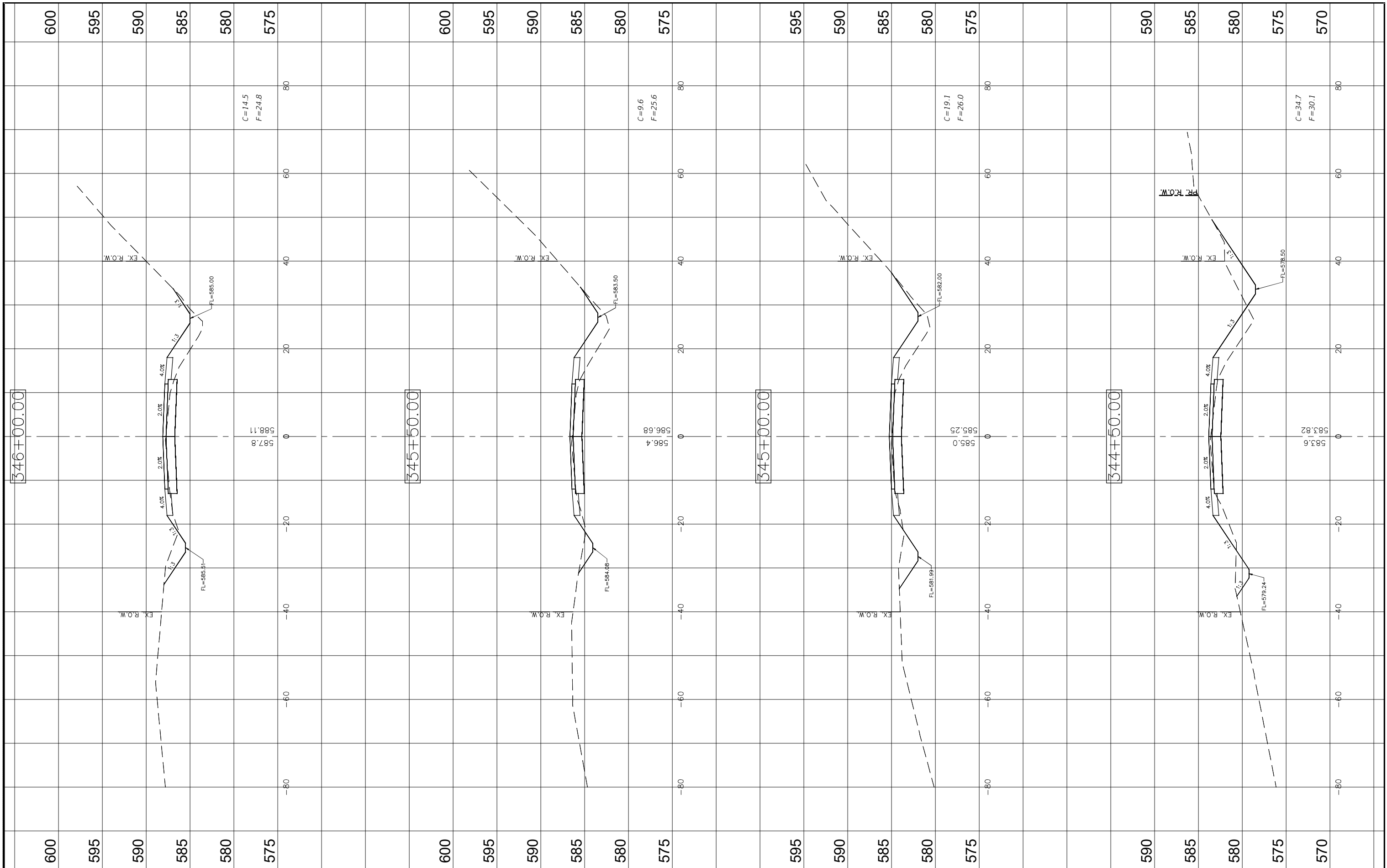
DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 SCALE: SHEET NO.99 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 99
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-9.DWG  
 USER NAME = Hargan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

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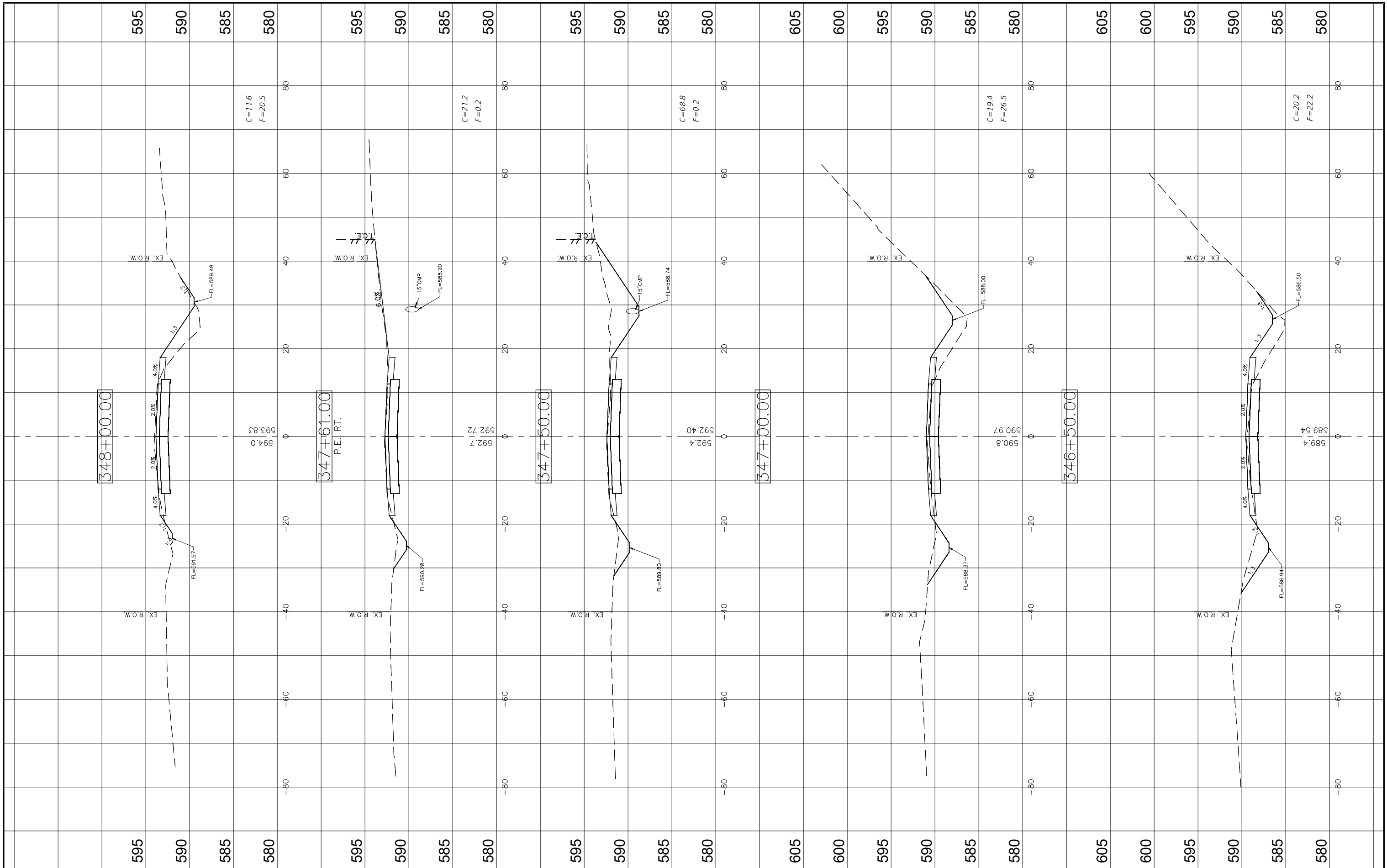
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.100 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 100
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	





FILE NAME =  
CROSS SECTIONS-9.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

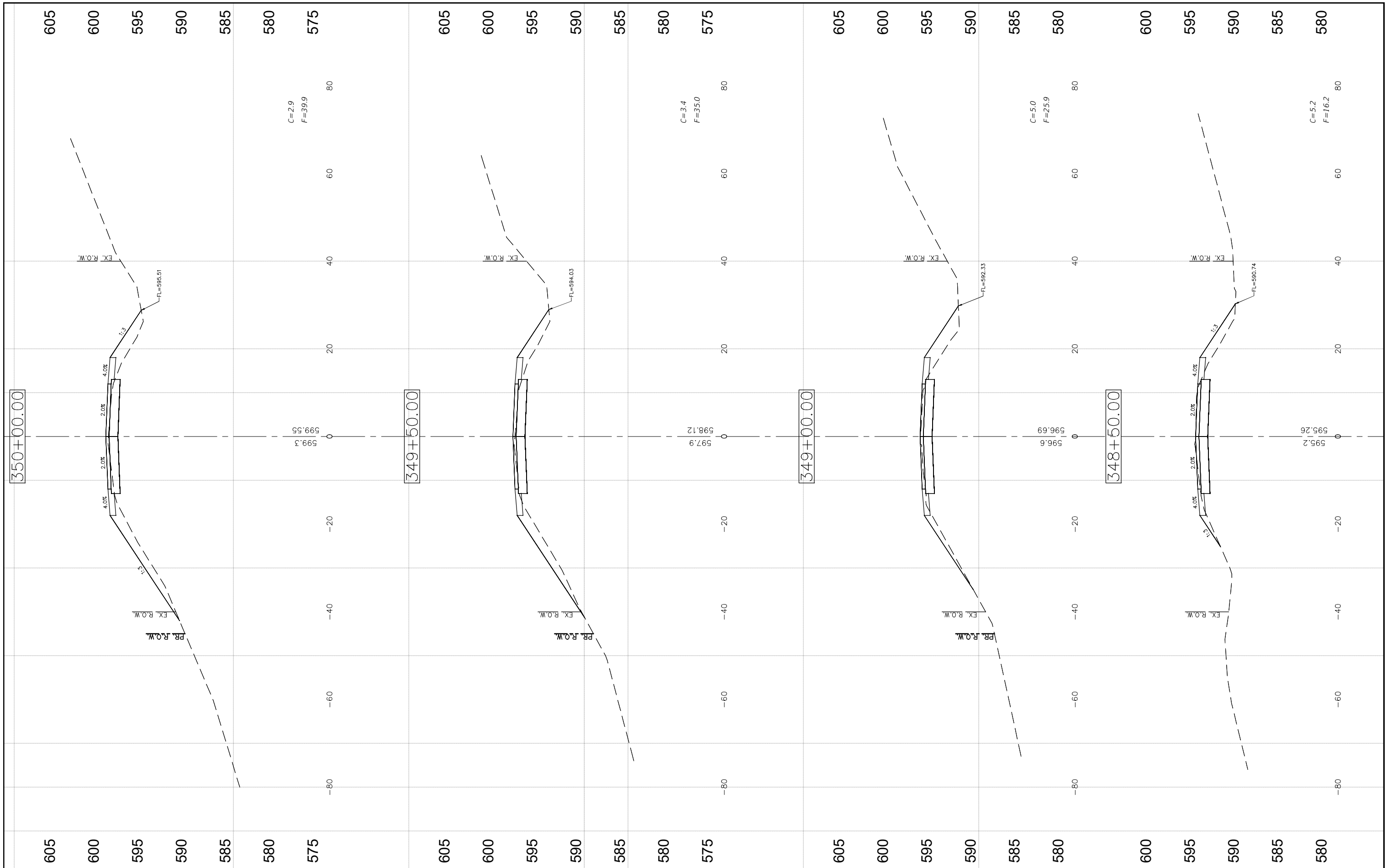
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.101 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	101
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-10.DWG

USER NAME = Horgan, Chris  
PLOT SCALE = 1:1  
PLOT DATE = 9/29/2022

DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

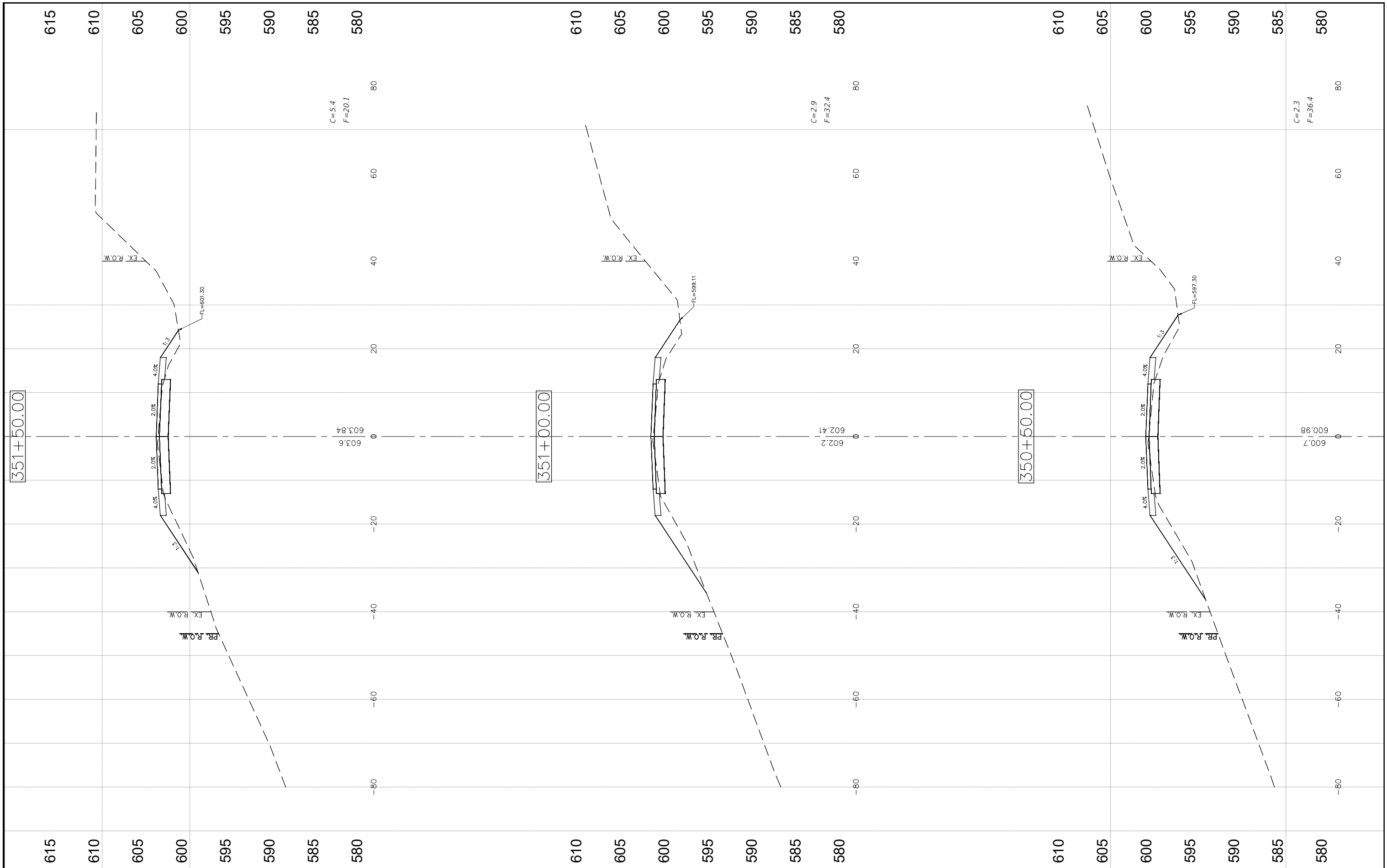
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.102 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	102
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-10.DWG

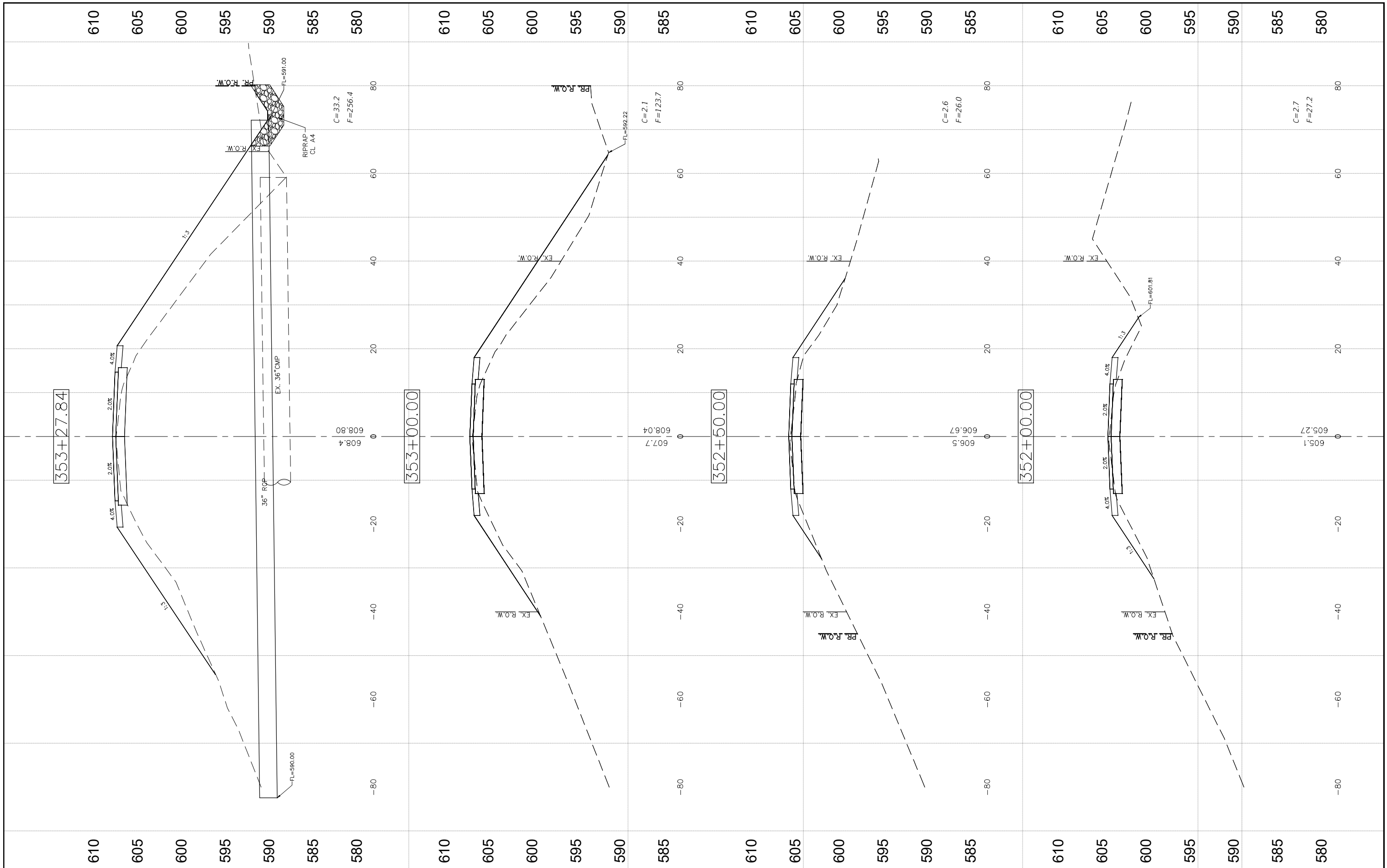
USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.103 OF 112SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 103
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME = CROSS SECTIONS-10.DWG

USER NAME = Horgan, Chris  
 PLOT SCALE = 1:1  
 PLOT DATE = 9/29/2022

DESIGNED - JAL  
 DRAWN - RDS  
 CHECKED - CAW  
 DATE - 9/29/2022

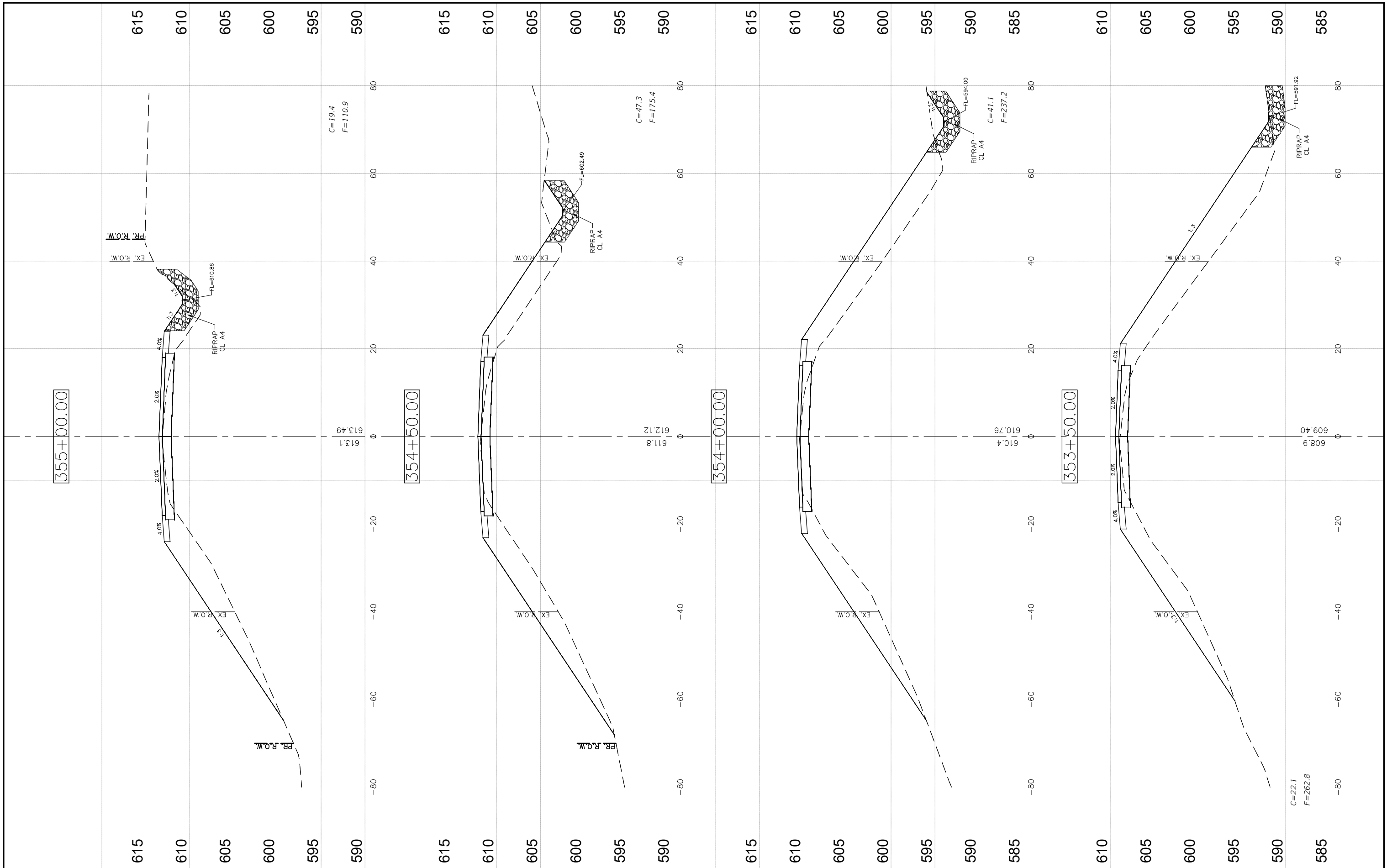
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.104 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	104
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				



FILE NAME =  
CROSS SECTIONS-10.DWG

USER NAME = Horgan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
PLOT SCALE = 1:1  
CHECKED - CAW  
PLOT DATE = 9/29/2022  
DATE - 9/29/2022

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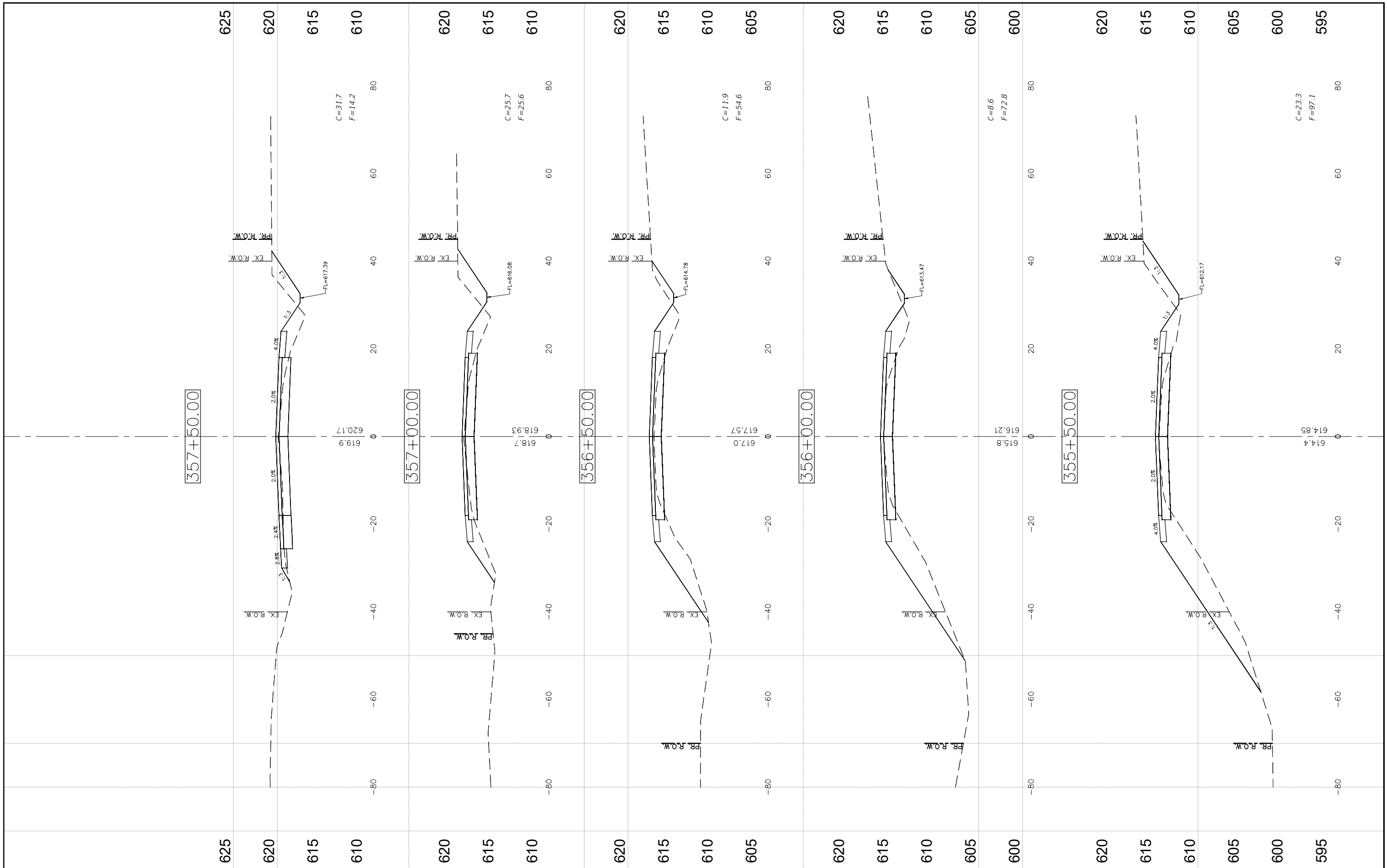
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.105 OF 112SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	105
CONTRACT NO. 93795				

FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT



FILE NAME =  
CROSS SECTIONS-11.DWG

USER NAME = Horgan, Chris  
DESIGNED - JAL  
DRAWN - RDS  
CHECKED - CAW  
DATE - 9/29/2022

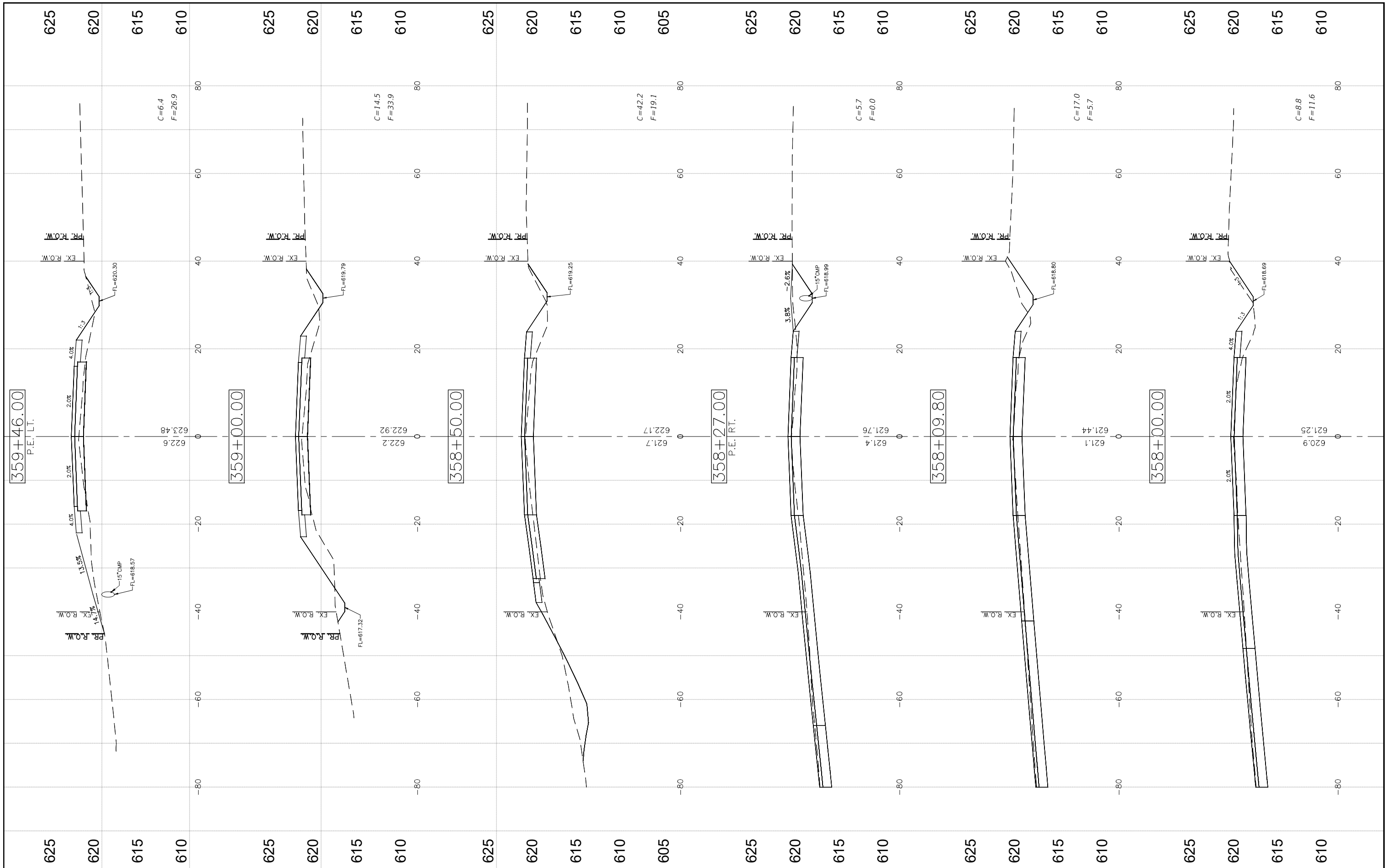
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.106 OF 112SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 106
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-11.DWG

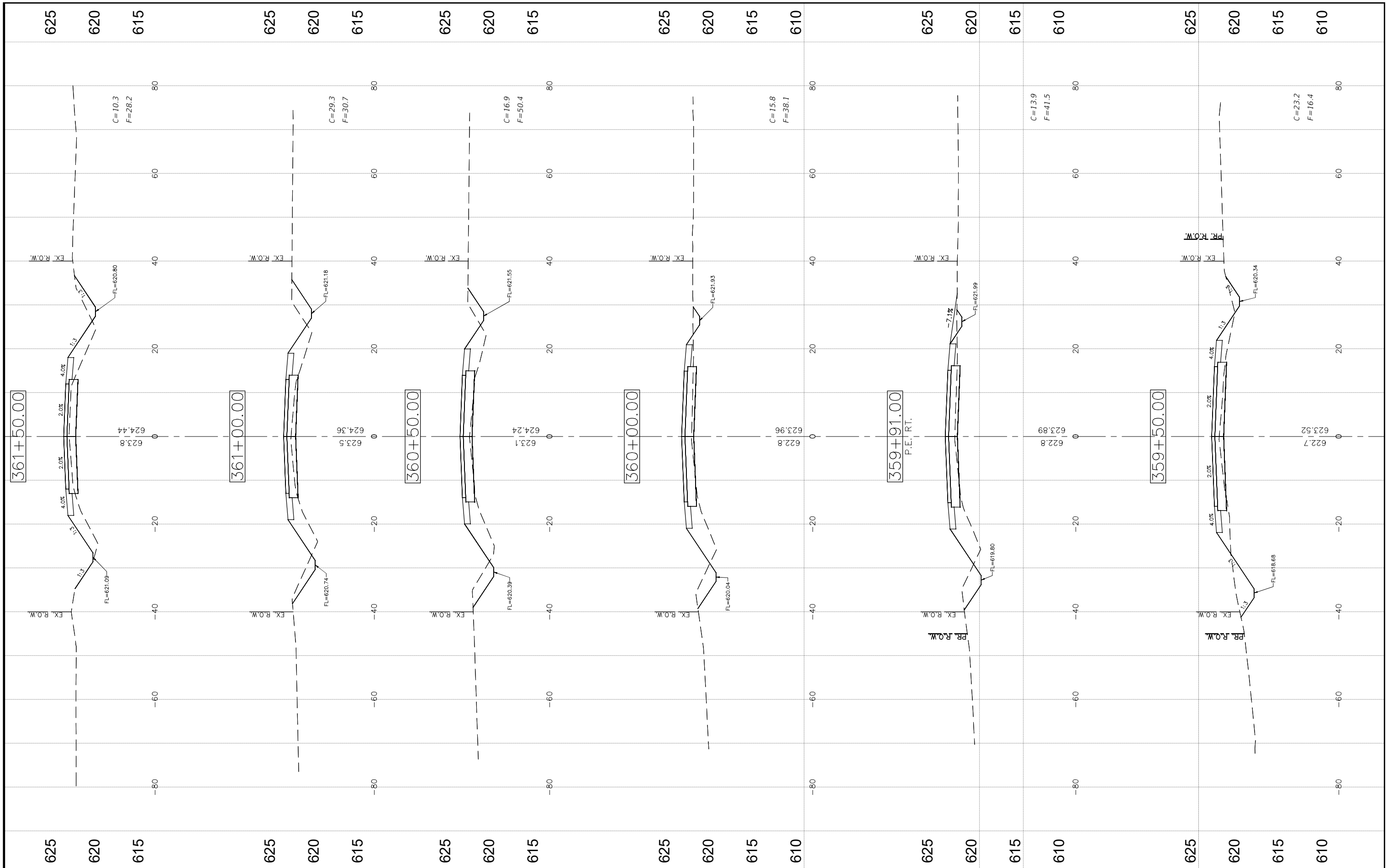
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PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.107 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 107
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME = CROSS SECTIONS-11.DWG

USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

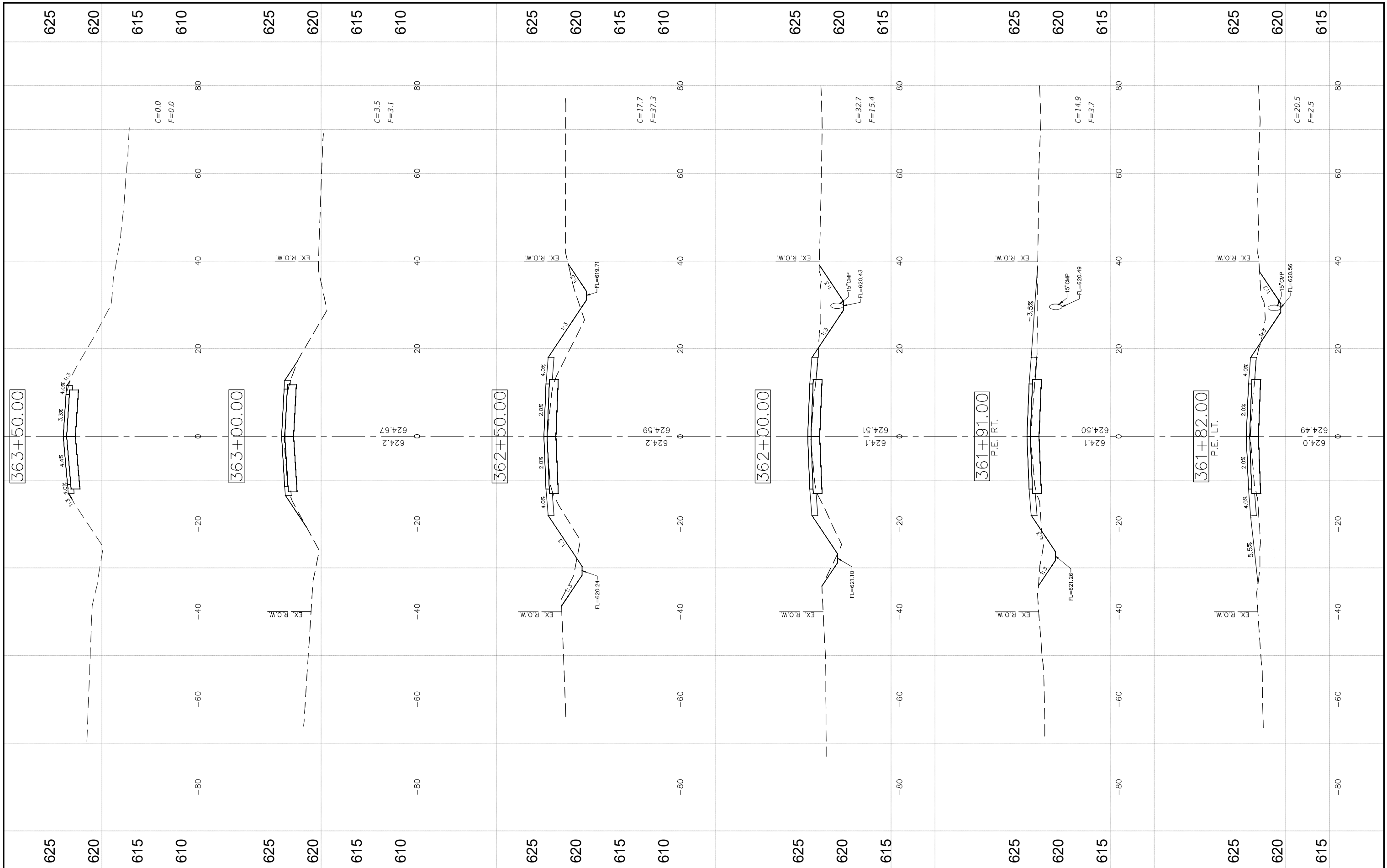
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO.108 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 108
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT			CONTRACT NO. 93795	





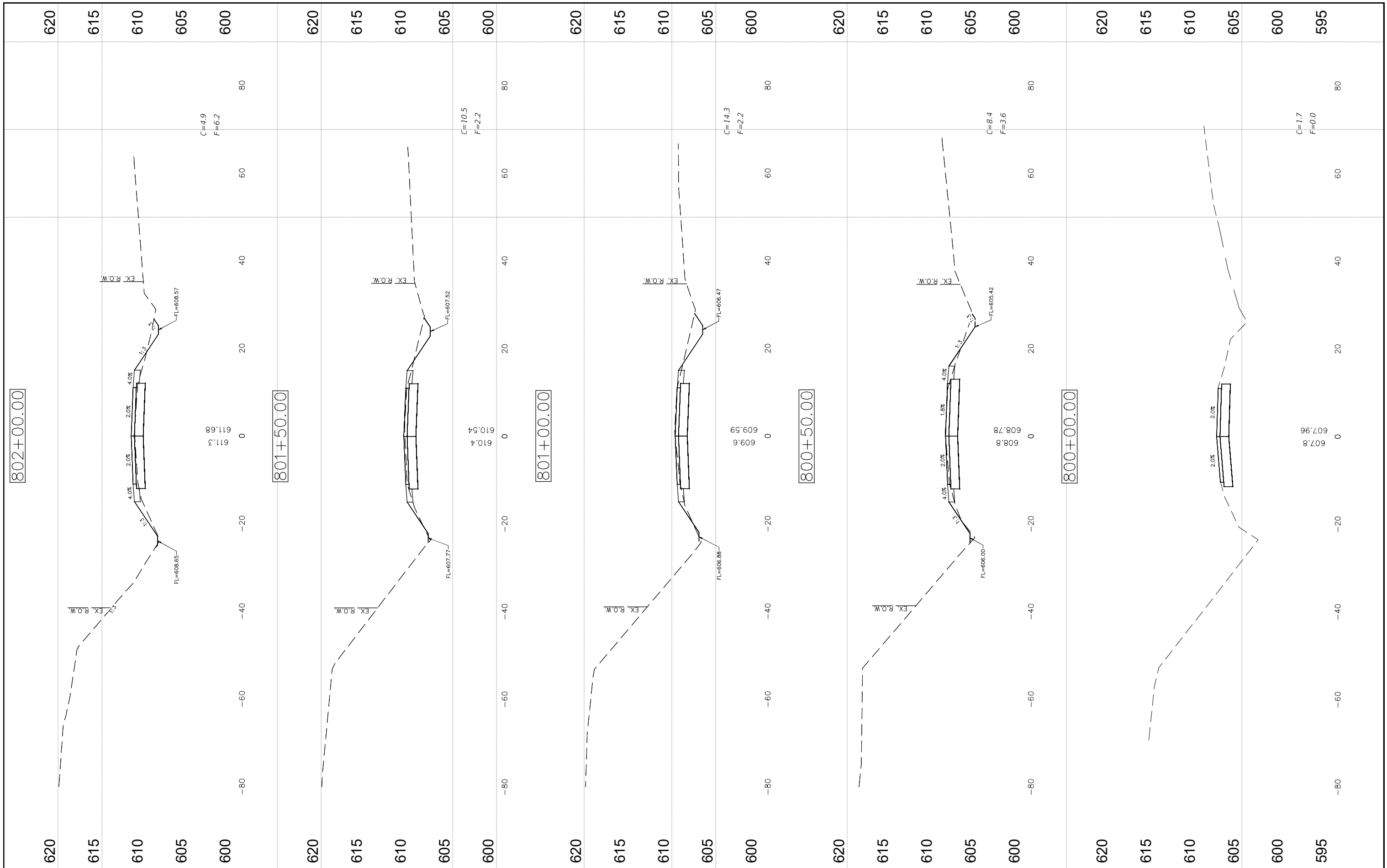
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PLOT SCALE = 1:1	DRAWN = RDS	REVISED =
PLOT DATE = 9/29/2022	CHECKED = CAW	REVISED =
	DATE = 9/29/2022	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
SCALE: SHEET NO.109 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 109
CONTRACT NO. 93795				



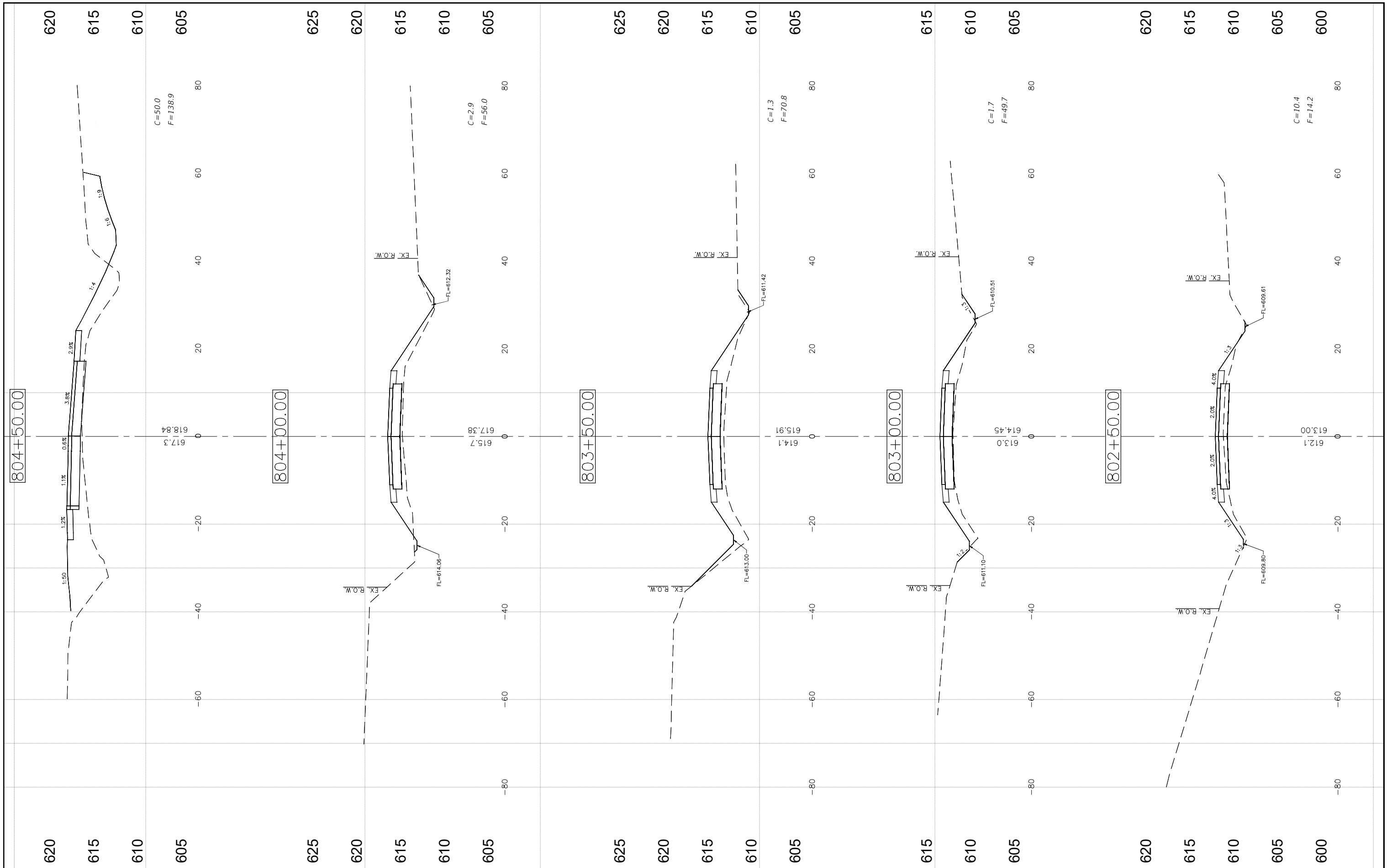
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USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
SCALE: SHEET NO.110 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 110
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



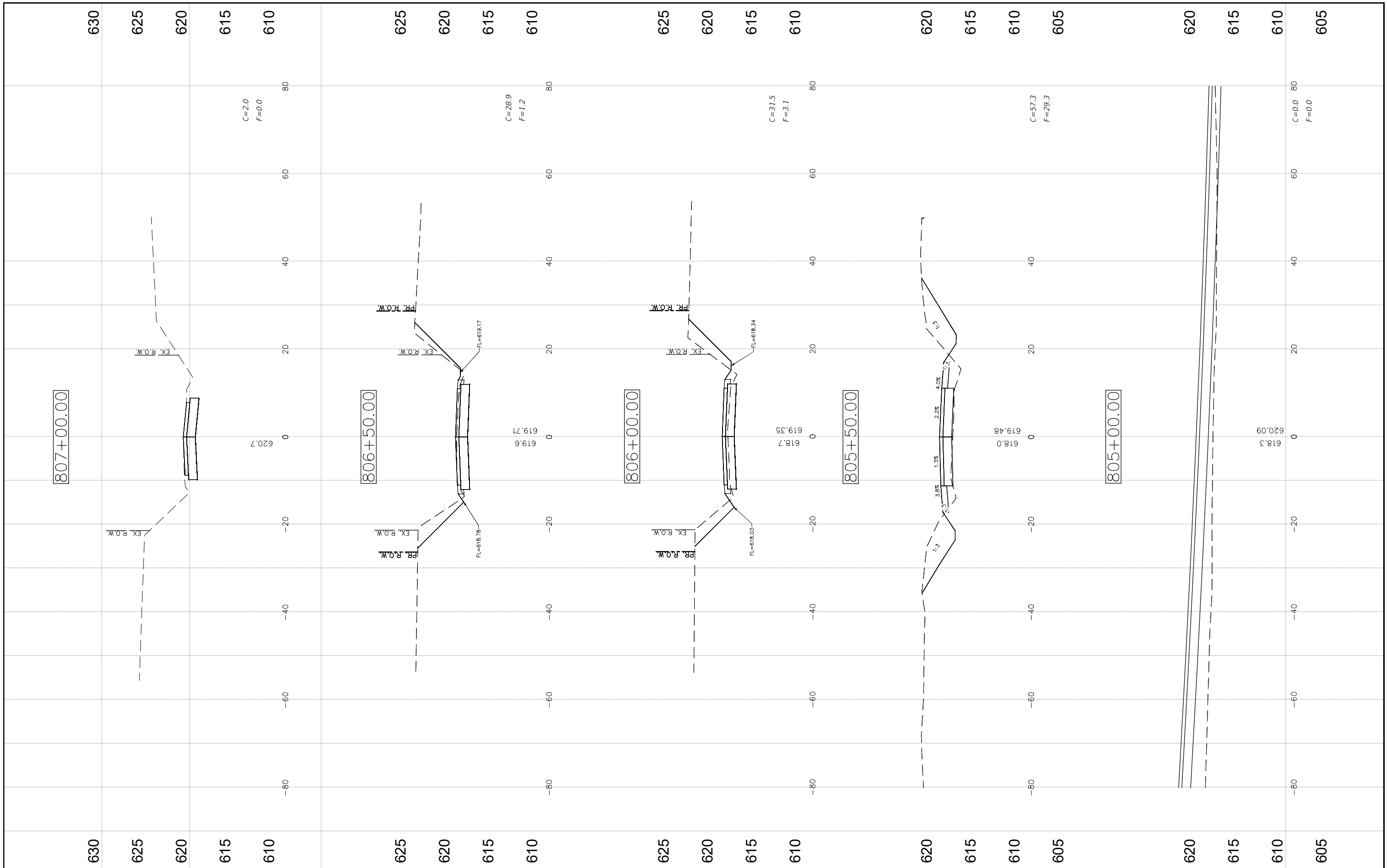
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USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
SCALE: SHEET NO.111 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 111
CONTRACT NO. 93795			ILLINOIS FED. AID PROJECT	



FILE NAME =  
CROSS SECTIONS-12.DWG

USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED -
PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
PLOT DATE = 9/29/2022	CHECKED - CAW	REVISED -
	DATE - 9/29/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO.112 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	112
CONTRACT NO. 93795				
FED. ROAD DIST. NO.6 ILLINOIS FED. AID PROJECT				