

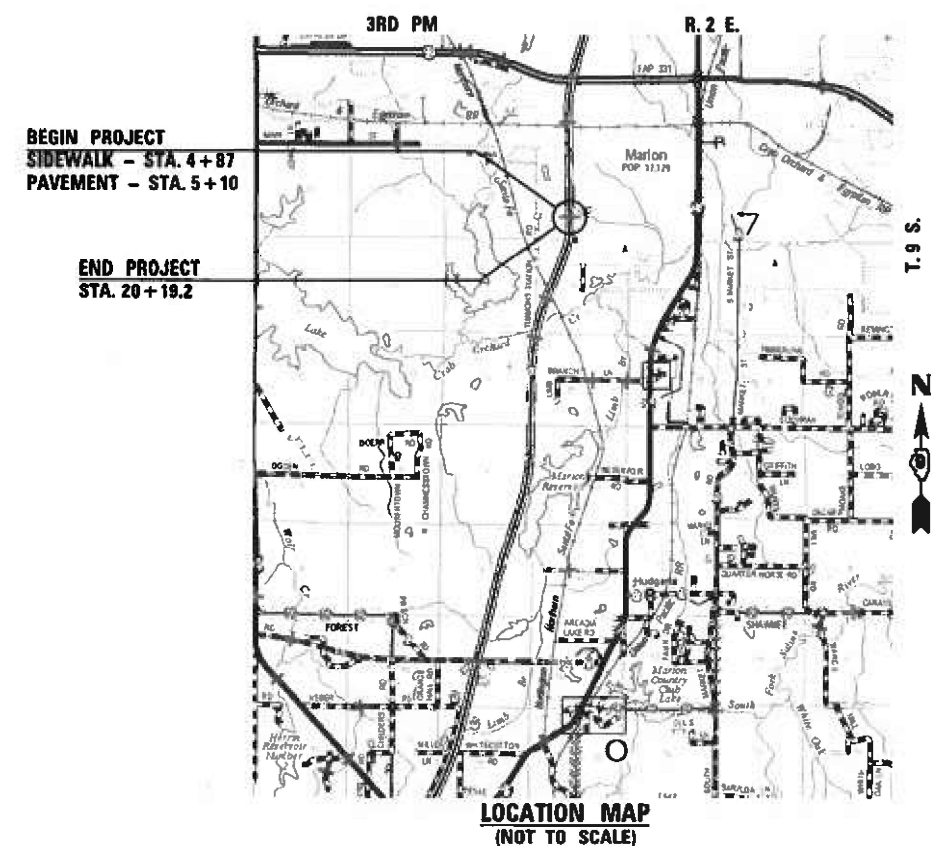
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	1
		ILLINOIS	CONTRACT NO. 78619	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS
FAI 57 (I-57)
SECTION (X1-6)HB-4
PROJECT NHPP-SLDO(173)
WESTMINSTER DRIVE
BRIDGE REPLACEMENT OVER I-57
WILLIAMSON COUNTY
C-99-013-18

FOR INDEX OF SHEETS SEE SHEET NO. 3
 FOR SUMMARY OF QUANTITIES SEE SHEET NOS. 4-12
 DESIGN DESIGNATION: N/A
 COORDINATE SYSTEM: ILLINOIS COORDINATE SYSTEM,
 EAST ZONE



EXISTING SN 100-0055
 & STRUCTURE STA. 12+32.03
 PROPOSED SN 100-0104
 & STRUCTURE STA. 12+32.16
 WESTMINSTER DRIVE OVER I-57
 TWO-SPAN WELDED PLATE GIRDER
 BRIDGE WITH INTEGRAL ABUTMENTS
 AND A MULTI-COLUMN PIER. 200'-4"
 BK.-BK. ABUTMENTS, 43'-10" OUT-
 DECK WITH 10'-0" MULTI-USE PATH.
 2'-30" SKEW RT. FORWARD.



WESTMINSTER DRIVE SIDEWALK GROSS LENGTH = 1532.20 FT. = 0.290 MILE
 WESTMINSTER DRIVE PAVEMENT GROSS LENGTH = 1509.20 FT. = 0.286 MILE

TRAFFIC DATA
 WESTMINSTER DRIVE
 EXISTING ADT = 1900 (2020)
 %SU = 5 (0.2%)
 %MU = 225 (11.8%)
 CITY OF MARION
 FUNCTIONAL CLASSIFICATION: LOCAL ROAD (URBAN)
 POSTED SPEED: 35 MPH

TOWNSHIP
WEST MARION

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

PROJECT ENGINEER: GRANT DETERDING
CONTRACT NO. 78619

Veenstra & Kimm, Inc.
 Springfield, IL. Phone: (217)544-8033
 IL Design Firm No. 184-001939



Christopher P. Kimm 3/21/22
 EXPIRATION: 11/30/2023

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 16 20 22
Stephen M. Javara
 REGION FIVE ENGINEER

May 13, 2022 [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 [Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

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	CHECKED -	REVISED -
PLOT SCALE *	DRAWN -	REVISED -
PLOT DATE *	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-8)HB-4	WILLIAMSON	135	2
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

PREPARED BY: Charles Stein
 DISTRICT STUDIES AND PLANS ENGINEER

EXAMINED BY: Nancy Hoo
 DISTRICT LAND ACQUISITION ENGINEER

EXAMINED BY: Cassie Nelson
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

EXAMINED BY: [Signature]
 DISTRICT OPERATIONS ENGINEER

EXAMINED BY: Douglas J. Hillard
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

EXAMINED BY: Douglas J. Hillard
 DISTRICT CONSTRUCTION ENGINEER

EXAMINED BY: [Signature]
 DISTRICT MATERIALS ENGINEER

GENERAL NOTES

- 1.) AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- 2.) ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS. THIS WORK WILL BE PAID ACCORDING TO ARTICLE 109.04.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE MATERIAL	2.05 TON/CU. YD.
ALL HOT-MIX ASPHALT	2.016 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.

COMMITMENTS

- 1.) LETTER OF UNDERSTANDING WITH CITY OF MARION TO CLOSE WESTMINSTER DRIVE AND REOPEN WESTMINSTER DRIVE BY DECEMBER 15, 2023.
- 2.) TREES EQUAL TO OR GREATER THAN 3 INCHES IN DIAMETER SHALL NOT BE REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY GIVEN YEAR.

GIBBONS PROPERTY

- 1.) THE PROPERTY OWNER'S SUMP PUMP AND POOL OVERFLOW DRAIN WILL CONTINUE TO DRAIN AWAY FROM THE PROPERTY DURING AND UPON COMPLETION OF THE PROJECT.
- 2.) THE LANDSCAPING ITEMS (INCLUDING THE PINE TREE AND BUSHES) WILL NOT BE DISTURBED BY THE CONSTRUCTION PROJECT AND WILL REMAIN UNDAMAGED. ANY DAMAGE TO THE LANDSCAPING ITEMS WILL BE REPAIRED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE OWNER.
- 3.) CONTRACTOR WILL ERECT AND MAINTAIN TEMPORARY FENCING ALONG TEMPORARY EASEMENTS. THIS FENCING WILL REMAIN FOR THE FULL DURATION OF CONSTRUCTION.
- 4.) THE CONTRACTOR WILL NOT BE ALLOWED TO PARK AND/OR STORE EQUIPMENT OR MATERIALS ON ANY PROPERTY WITHIN TEMPORARY EASEMENTS OR PROPOSED RIGHT OF WAY FOR EXTENDED PERIODS OF TIME. EVERY REASONABLE EFFORT SHOULD BE MADE TO LIMIT DISRUPTION TO THE PROPERTY OWNERS WHILE STILL COMPLETING THE PROPOSED IMPROVEMENT IN A TIMELY MANNER.
- 5.) WHEN CONSTRUCTION IS COMPLETE THE CONTRACTOR WILL LEVEL THE GROUND AND RESEED THE GRASS.

CRISP PROPERTY

- 1.) ACCESS EAST OF THE INTERSECTION OF HALFWAY ROAD AND WESTMINSTER DRIVE SHALL BE BLOCKED OFF DURING CONSTRUCTION.
- 2.) THE LANDSCAPING ITEMS (INCLUDING THE TREE AND PRIVATE DRIVE SIGN) WILL NOT BE DISTURBED BY THE CONSTRUCTION PROJECT AND WILL REMAIN UNDAMAGED. ANY DAMAGE TO THE LANDSCAPING ITEMS WILL BE REPAIRED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE OWNER.
- 3.) CONTRACTOR WILL ERECT AND MAINTAIN TEMPORARY FENCING ALONG THE PROPOSED RIGHT OF WAY. THIS FENCING WILL REMAIN FOR THE FULL DURATION OF CONSTRUCTION.
- 4.) THE CONTRACTOR WILL NOT BE ALLOWED TO PARK AND/OR STORE EQUIPMENT OR MATERIALS ON ANY PROPERTY WITHIN TEMPORARY EASEMENTS OR PROPOSED RIGHT OF WAY FOR EXTENDED PERIODS OF TIME. EVERY REASONABLE EFFORT SHOULD BE MADE TO LIMIT DISRUPTION TO THE PROPERTY OWNERS WHILE STILL COMPLETING THE PROPOSED IMPROVEMENT IN A TIMELY MANNER.
- 5.) WHEN CONSTRUCTION IS COMPLETE THE CONTRACTOR WILL LEVEL THE GROUND AND RESEED THE GRASS.

FOSSE PROPERTY

- 1.) CONTRACTOR WILL ERECT AND MAINTAIN TEMPORARY FENCING ALONG TEMPORARY EASEMENTS AND PROPOSED RIGHT OF WAY. THIS FENCING WILL REMAIN FOR THE FULL DURATION OF CONSTRUCTION.
- 2.) THE CONTRACTOR WILL NOT BE ALLOWED TO PARK AND/OR STORE EQUIPMENT OR MATERIALS ON ANY PROPERTY WITHIN TEMPORARY EASEMENTS FOR EXTENDED PERIODS OF TIME. EVERY REASONABLE EFFORT SHOULD BE MADE TO LIMIT DISRUPTION TO THE PROPERTY OWNERS WHILE STILL COMPLETING THE PROPOSED IMPROVEMENT IN A TIMELY MANNER.
- 3.) WHEN CONSTRUCTION IS COMPLETE THE CONTRACTOR WILL LEVEL THE GROUND AND RESEED THE GRASS.
- 4.) ADDRESS THE OVERFLOW OF WATER FROM THE BRIDGE AND INTERSTATE DURING CONSTRUCTION THAT IS DRAINING ON THE PROPERTY OWNER'S YARD.

SHOOT PROPERTY

- 1.) CONTRACTOR WILL ERECT AND MAINTAIN TEMPORARY FENCING ALONG TEMPORARY EASEMENTS. THIS FENCING WILL REMAIN FOR THE FULL DURATION OF CONSTRUCTION.
- 2.) THE CONTRACTOR WILL NOT BE ALLOWED TO PARK AND/OR STORE EQUIPMENT OR MATERIALS ON ANY PROPERTY WITHIN TEMPORARY EASEMENTS OR PROPOSED RIGHT OF WAY FOR EXTENDED PERIODS OF TIME. EVERY REASONABLE EFFORT SHOULD BE MADE TO LIMIT DISRUPTION TO THE PROPERTY OWNERS WHILE STILL COMPLETING THE PROPOSED IMPROVEMENT IN A TIMELY MANNER.
- 3.) WHEN CONSTRUCTION IS COMPLETE THE CONTRACTOR WILL LEVEL THE GROUND AND RESEED THE GRASS.

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' (7.2M) JOINTED PCC PAVEMENT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
483001-06	PCC SHOULDER
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602701-02	MANHOLE STEPS
604006-05	FRAME AND GRATE, TYPE 3
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630116	BACKSIDE PROTECTION OF GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS, 16 INCH
643001-02	SAND MODULE IMPACT ATTENUATORS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W MORE THAN 15' (4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OF MOVING OPERATION FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
821101-02	LUMINAIRE WIRING IN POLE
825021-04	LIGHTING CONTROLLER BASE MOUNTED, 240W
836001-04	LIGHT POLE FOUNDATION
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-02	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
601001-05	PIPE UNDERDRAINS
604036-03	GRATE, TYPE 8
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES

INDEX OF SHEETS

1	TITLE SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES, COMMITMENTS AND PROJECT SPECIFIC NOTES
4-12	SUMMARY OF QUANTITIES
13-15	TYPICAL ROADWAY SECTIONS
16-19	SCHEDULE OF QUANTITIES
20	ALIGNMENT TIES & BENCHMARKS
21-23	PLAN & PROFILE
24-27	DRAINAGE DETAILS
28	ENTRANCE DETAILS
29-30	I-57 TEMPORARY CLOSURE DETOUR PLAN
31	LOCAL ROAD DETOUR PLAN
32-33	I-57 TYPICAL STAGING SECTIONS
34-39	I-57 STAGING PLANS
40	I-57 MEDIAN DETAILS
41-43	EROSION CONTROL PLAN
44	REMOVAL PLANS
45	WESTMINSTER DRIVE PAVEMENT MARKING PLAN
46	I-57 PAVEMENT MARKING
47-48	RIGHT OF WAY PLAN
49-81	STRUCTURE PLANS
82-91	STRUCTURE AESTHETIC PLANS
92-95	STRUCTURE LIGHTING PLANS
96-131	CROSS SECTIONS
132	D-9 STANDARD 9-12: SEEDING AND MULCH, STEP
133	D-9 STANDARD 9-16: STEP CONSTRUCTION ON EXISTING FILL
134	D-9 STANDARD 9-79: CONCRETE COLLAR PIPE TO PIPE DETAIL
135	D-9 STANDARD 9-108: TEMPORARY DITCH CHECKS

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE (I-57)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90
AB/PG:	SBS PG76-22
ABR % (Max):	ARTICLE 1031.06(c)
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM
FRICTION AGGREGATE:	MIX D
MIXTURE WEIGHT:	112 LBS./SQ. YD./IN.
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT BINDER COURSE (TOP LIFT, FULL DEPTH PAVEMENT)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
AC/PG:	SBS PG76-22
ABR % (Max):	ARTICLE 1031.06(c)
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0MM
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS./SQ. YD./IN.
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT BINDER COURSE (LOWER LIFTS, FULL DEPTH PAVEMENT)
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
AC/PG:	PG64-22
ABR % (Max):	ARTICLE 1031.06(c)
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0MM
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS./SQ. YD./IN.
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	TBD

REV. - MS



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, COMMITMENTS & PROJECT SPECIFIC NOTES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	3
ILLINOIS FED AID PROJECT				

CONTRACT NO. 78619

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY 0004 100-0104	90% FED 10% STATE BRIDGE 0010 100-0104
	URBAN				
20100500	TREE REMOVAL, ACRES	ACRE	1.1	1.1	
20200100	EARTH EXCAVATION	CU YD	630	630	
20400800	FURNISHED EXCAVATION	CU YD	13556	13556	
20700110	POROUS GRANULAR EMBANKMENT	TON	130	130	
20800150	TRENCH BACKFILL	CU YD	143	143	
25000210	SEEDING, CLASS 2A	ACRE	3.0	3.0	
25000350	SEEDING, CLASS 7	ACRE	3.0	3.0	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270	270	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	270	270	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	270	270	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	6	6	
25100115	MULCH, METHOD 2	ACRE	3.0	3.0	
25100630	EROSION CONTROL BLANKET	SQ YD	3385	3385	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300	300	

REV. - MS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY 0004 100-0104	90% FED 10% STATE BRIDGE 0010 100-0104
28000305	TEMPORARY DITCH CHECKS	FOOT	56	56	
28000400	PERIMETER EROSION BARRIER	FOOT	2898	2898	
28000500	INLET AND PIPE PROTECTION	EACH	13	13	
28100207	STONE RIPRAP, CLASS A4	TON	6	6	
28200200	FILTER FABRIC	SQ YD	8	8	
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	112	112	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	4612	4612	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2816	2816	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5	5	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	87	87	
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	22	22	
40702016	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 16 3/4"	SQ YD	112	112	
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	110	110	
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	3507	3507	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED	90% FED
				10% STATE	10% STATE
				ROADWAY	BRIDGE
				0004	0010
				100-0104	100-0104
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	47	47	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	10835	10835	
42400800	DETECTABLE WARNINGS	SQ FT	32	32	
44000100	PAVEMENT REMOVAL	SQ YD	2929	2929	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	190	190	
44000600	SIDEWALK REMOVAL	SQ FT	28	28	
44004250	PAVED SHOULDER REMOVAL	SQ YD	2816	2816	
48300700	PORTLAND CEMENT CONCRETE SHOULDERS 12"	SQ YD	2816	2816	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2	
50105220	PIPE CULVERT REMOVAL	FOOT	46	46	
50157300	PROTECTIVE SHIELD	SQ YD	940		940
50200100	STRUCTURE EXCAVATION	CU YD	210		210
50300225	CONCRETE STRUCTURES	CU YD	196.6		196.6

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED	90% FED	
				10% STATE	10% STATE	
				ROADWAY	BRIDGE	
				0004	0010	
				100-0104	100-0104	
				URBAN		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	336.6			336.6
50300260	BRIDGE DECK GROOVING	SQ YD	1034			1034
50300300	PROTECTIVE COAT	SQ YD	1552			1552
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	122.2			122.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1
50500505	STUD SHEAR CONNECTORS	EACH	4032			4032
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	164790			164790
50901720	BICYCLE RAILING	FOOT	60			60
50901750	PARAPET RAILING	FOOT	257			257
51100100	SLOPE WALL 4 INCH	SQ YD	1104			1104
51202100	FURNISHING STEEL PILES HP14X117	FOOT	1214			1214
51202305	DRIVING PILES	FOOT	1214			1214
51204100	TEST PILE STEEL HP14X117	EACH	3			3
51500100	NAME PLATES	EACH	1			1

REV. - MS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE
				0004	0010
				100-0104	100-0104
				URBAN	
52100520	ANCHOR BOLTS, 1"	EACH	42		42
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	20	20	
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	48	48	
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	88	88	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
54248510	CONCRETE COLLAR	CU YD	0.6	0.6	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	56	56	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	858	858	
56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	142		142
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	66		66
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	100	100	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 5 OF 9 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	8
CONTRACT NO. 78619				
ILLINOIS FED AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				90% FED 10% STATE ROADWAY 0004 100-0104	90% FED 10% STATE BRIDGE 0010 100-0104
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	177		177
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	5	5	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	5	5	
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2500	2500	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	737.5	737.5	
* 63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	174	174	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	1665	1665	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	100	100	
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	7	7	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE
				0004	0010
				100-0104	100-0104
		URBAN			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	540	540	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	22995	22995	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1150	1150	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	900	900	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	10	10	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8404	8404	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	486	486	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3019	3019	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	8404	8404	

* SPECIALTY ITEM

REV. - MS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	10
CONTRACT NO. 78619				
ILLINOIS FED AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE
				0004	0010
				100-0104	100-0104
			URBAN		
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	46	46	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	10901	10901	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
* 81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	201		201
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	4	4	
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP	EACH	1	1	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	4	4	
X1700084	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)	FOOT	429	429	
X2020502	BRACED EXCAVATION	CU YD	199		199
X4401983	CONCRETE BARRIER REMOVAL, DOUBLE FACE	FOOT	443	443	
X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	197		197
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	1	1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7010410	SPEED DISPLAY TRAILER	CAL MO	6	6	
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	608	608	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 8 OF 9 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	11
CONTRACT NO. 78619				
ILLINOIS FED AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE
				0004	0010
				100-0104	100-0104
X2200026	AESTHETIC MEDALLIONS	EACH	9	9	
X2200027	PERFORATED METAL PANELS : AESTHETIC TREATMENTS	L SUM	1	1	
X2200028	SPECIAL - CONCRETE MISCELLANEOUS AESTHETIC TREATMENT	L SUM	1	1	
X1700119	CONCRETE FINISH	L SUM	1	1	
X1400490	ELECTRIC SERVICE ENTRANCE	L SUM	1	1	
* X1400491	PVC CONDUIT, 1", 2#12 & 1#12 G.	FOOT	215	215	
* X1400492	LED POLE-TOP LUMINAIRE, L-1	EACH	2	2	
* X1400493	AESTHETIC LED STRIP LIGHT,4W/FT, BLUE	FOOT	200	200	
* X1400494	AESTHETIC LED STRIP LIGHT,4W/FT, WHITE	FOOT	198	198	
* X1400495	AESTHETIC LED STRIP LIGHT,4W/FT, RED	FOOT	150	150	
* X1400496	AESTHETIC LED STRIP LIGHT DRIVER - 24V POWER SUPPLY	EACH	7	7	
Ø Z0076600	TRAINEES	HOUR	1000	1000	
* X1400497	AESTHETIC LED STRIP LIGHT DIMMER/CONTROLLER	EACH	7	7	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

* SPECIALTY ITEM

REV. - MS



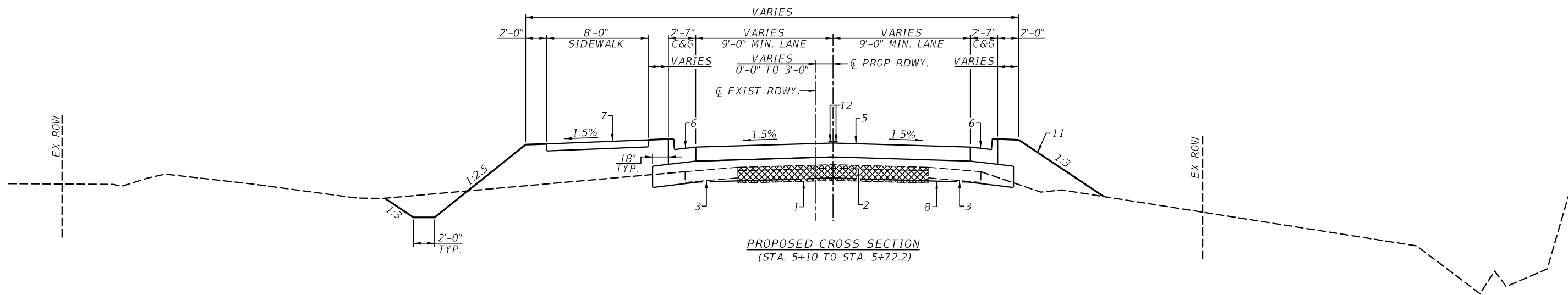
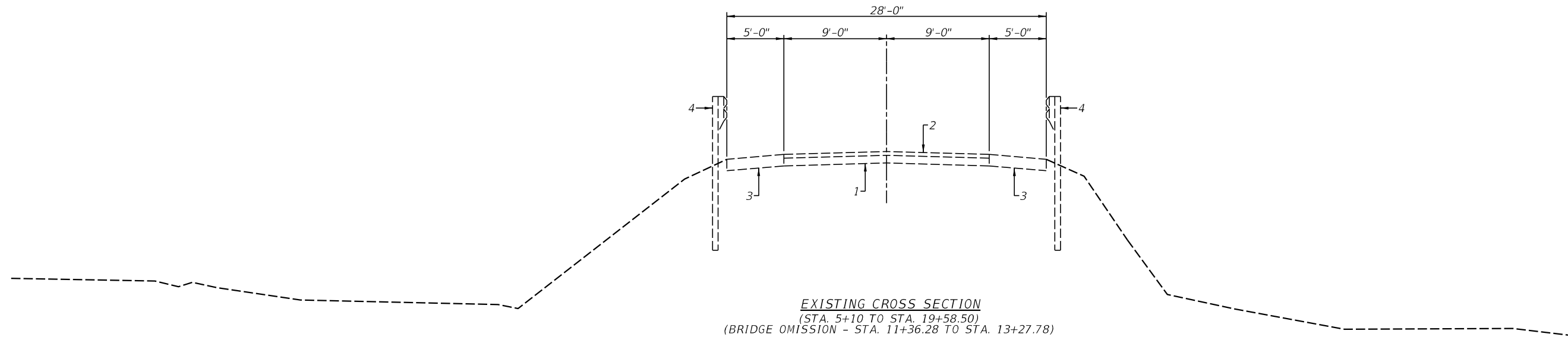
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 9 OF 9 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	12
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



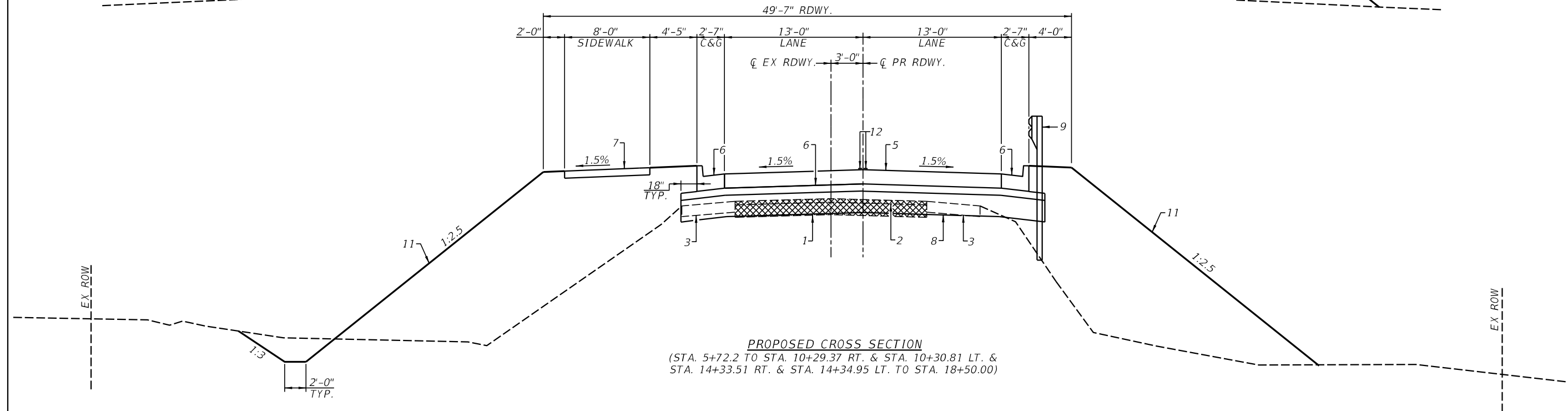
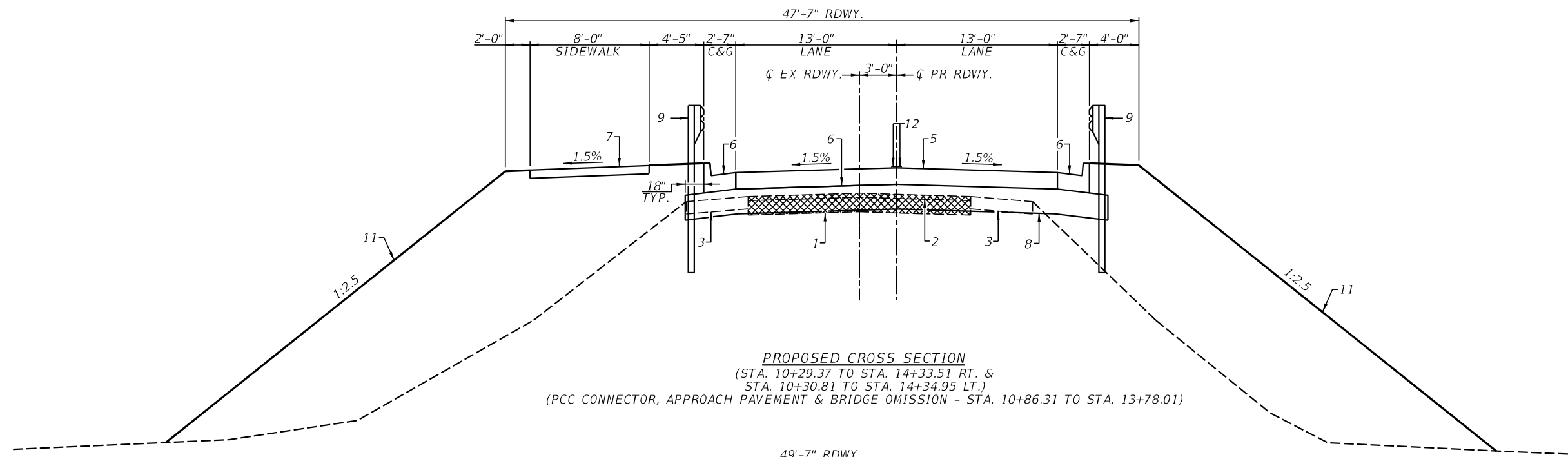
▨ - INDICATES PAVEMENT REMOVAL

PAVEMENT LEGEND

- 1 - EX AGGREGATE BASE COURSE ±9"
- 2 - EX HMA OVERLAYS ±4"
- 3 - EX EARTH/AGGREGATE SHOULDER
- 4 - EX GUARDRAIL
- 5 - PR PCC PAVEMENT 8"
- 6 - PR CONCRETE CURB AND GUTTER TYPE B-6.24
- 7 - PR PCC SIDEWALK 4"
- 8 - PR AGGREGATE BASE COURSE 12"
- 9 - PR GUARDRAIL
- 10 - PR PCC APPROACH PAVEMENT
- 11 - PR EROSION CONTROL BLANKET
- 12 - PR PAINT PAVEMENT MARKING - LINE 4"

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	13
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



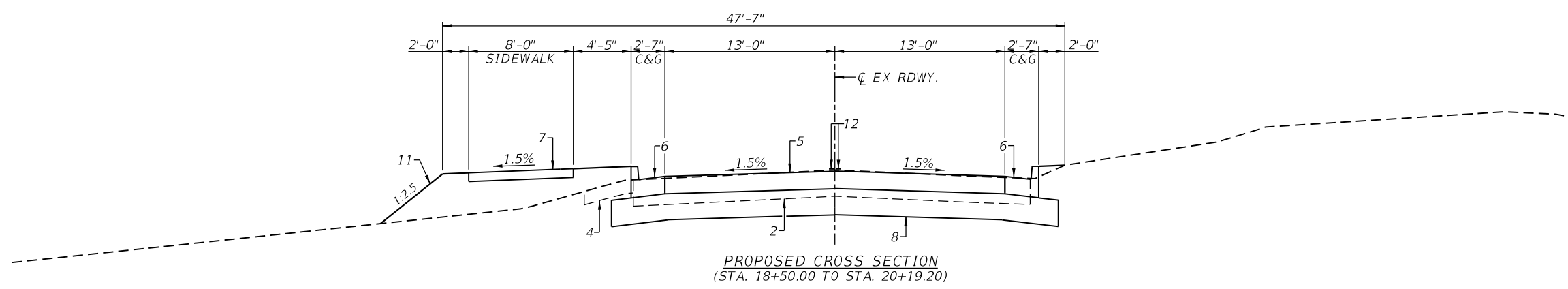
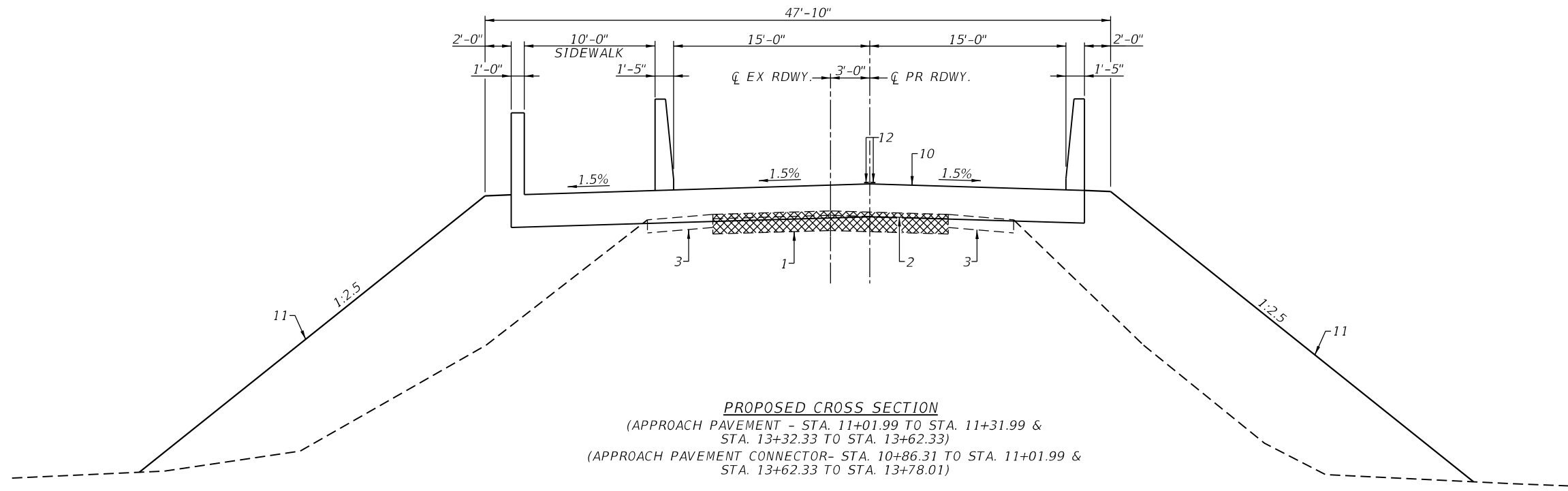
PAVEMENT LEGEND

- 1 - EX AGGREGATE BASE COURSE ±9"
- 2 - EX HMA OVERLAYS ±4"
- 3 - EX EARTH/AGGREGATE SHOULDER
- 4 - EX GUARDRAIL
- 5 - PR PCC PAVEMENT 8"
- 6 - PR CONCRETE CURB AND GUTTER TYPE B-6.24
- 7 - PR PCC SIDEWALK 4"
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▨ - INDICATES PAVEMENT REMOVAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	14
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



▨ - INDICATES PAVEMENT REMOVAL

- PAVEMENT LEGEND**
- 1 - EX AGGREGATE BASE COURSE ±9"
 - 2 - EX HMA OVERLAYS ±4"
 - 3 - EX EARTH/AGGREGATE SHOULDER
 - 4 - EX GUARDRAIL
 - 5 - PR PCC PAVEMENT 8"
 - 6 - PR CONCRETE CURB AND GUTTER TYPE B-6.24
 - 7 - PR PCC SIDEWALK 4"
 - 8 - PR AGGREGATE BASE COURSE 12"
 - 9 - PR GUARDRAIL
 - 10 - PR PCC APPROACH PAVEMENT
 - 11 - PR EROSION CONTROL BLANKET
 - 12 - PR PAINT PAVEMENT MARKING - LINE 4"

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	15
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

PIPE CULVERT AND END SECTION SCHEDULE						
LOCATION	PIPE CULVERTS, CLASS A, TYPE 1 15"	PIPE CULVERTS, CLASS A, TYPE 2 18"	PIPE CULVERTS, CLASS A, TYPE 2 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"
	FOOT	FOOT	FOOT	EACH	FOOT	CU. YD.
STA. 18+00 15.5' TO 35.5' LT.	20					
STA. 14+42 44' TO 74' LT. (ASSUME 6' SECTION)		30				
STA. 14+42 34' TO 52' LT. (ASSUME 6' SECTION)		18				
STA. 6+55 16' TO 56' LT.			40			
STA. 6+55 12' LT. TO 12' RT.			24			
STA. 6+55 16' RT. TO 40' RT.			24			
STA. 18+00 35.5' TO 41.5' LT.				1		
STA. 14+42 74' TO 80' LT.					1	
STA. 14+42 52.5' TO 58.5' RT.					1	
STA. 6+55 38' TO 44' RT.						1
TOTAL	20	48	88	1	2	1

STONE RIPRAP AND FILTER FABRIC SCHEDULE		
LOCATION	STONE RIPRAP CLASS A4	FILTER FABRIC
	TON	SQ. YD.
STA. 6+50 45' RT. TO 50' LT.	2	3
STA. 14+50 85' LT. TO 80' LT.	2	3
STA. 18+00 45.5' LT. TO 41.5' LT.	2	2
TOTAL	6	8

TREE REMOVAL	
LOCATION	TREE REMOVAL, ACRES
	ACRE
STA. 5+10 TO STA. 11+25 RT.	0.57
STA. 13+42 TO STA. 15+00 RT.	0.18
STA. 13+22 TO STA. 15+00 LT.	0.16
STA. 15+00 TO STA. 16+43 RT.	0.10
STA. 15+00 TO STA. 17+83 LT.	0.09
TOTAL	1.10

STEEL RAILING AND GUARDRAIL SCHEDULE						
LOCATION	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	STEEL PLATE BEAM GUARDRAIL 9 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER - DIRECT APPLIED	BACKSIDE PROTECTION OF GUARDRAIL	GUARDRAIL REMOVAL
	EACH	FOOT	EACH	EACH	FOOT	FOOT
STA. 5+72.24 TO STA. 6+22.24 RT.	1					
STA. 6+22.24 TO STA. 10+84.74 RT.		462.5				
STA. 10+84.74 TO STA. 11+21.64 RT.			1			
STA. 10+14.44 TO STA. 10+64.44 LT.	1				50	
STA. 10+64.44 TO STA. 11+01.34 LT.			1		37	
STA. 13+47.98 TO STA. 13+84.88 RT.			1			
STA. 13+84.88 TO STA. 16+59.88 RT.		275				
STA. 16+59.88 TO STA. 17+09.88 RT.	1					
STA. 13+61.68 TO STA. 13+98.58 LT.			1		37	
STA. 13+98.58 TO STA. 14+48.58 LT.	1				50	
STA. 5+72.24 RT.				1		
STA. 10+14.44 LT.				1		
STA. 14+48.58 LT.				1		
STA. 17+09.88 RT.				1		
STA. 7+72 TO STA. 11+36.8 RT.						365
STA. 7+96 TO STA. 11+35.8 LT.						340
STA. 13+27.3 TO STA. 15+43 RT.						216
STA. 13+28.3 TO STA. 15+44 RT.						216
1-57						
STA. 1567+70 TO STA. 1570+24 RT.						264
STA. 1570+51 TO STA. 0+24 LT.						264
TOTAL	4	737.5	4	4	174	1665

TEMPORARY EROSION CONTROL ITEMS					
LOCATION	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY CONSTRUCTION FENCE
	POUND	FOOT	FOOT	EACH	FOOT
STA. 4+94 TO STA. 11+77 LT.	87				
STA. 5+00 TO STA. 11+77 RT.	70				
STA. 12+87 TO STA. 20+19 LT.	70				
STA. 12+87 TO STA. 20+19 RT.	54				
STA. 6+00 46' LT.		8			
STA. 14+00 83.5' LT. & 65' RT.		16			
STA. 15+00 70' LT. & 53' RT.		16			
STA. 16+00 55' LT.		8			
STA. 17+00 47' LT.		8			
STA. 4+94 70' LT. TO STA. 11+60 95' LT.			692		
STA. 5+10 55' RT. TO STA. 7+93 55' RT.			283		
STA. 6+50 50' RT. TO STA. 11+60 80' RT.			511		
STA. 13+00 100' LT. TO STA. 14+20 90' LT.			120		
STA. 14+20 90' LT. TO STA. 15+25 90' LT., 70' LT.			125		
STA. 15+25 70' LT. TO STA. 16+00 70' LT.			75		
STA. 16+00 70' LT. TO STA. 19+47 50' LT.			348		
STA. 19+47 50' LT., 40' LT. TO STA. 20+19 40' LT.			81		
STA. 13+00 80' RT. TO STA. 14+50 80' RT.			150		
STA. 14+50 80' RT. TO STA. 18+00 27' RT.			354		
STA. 18+00 22' RT. TO STA. 19+00 22' RT.			100		
STA. 19+60 22' RT. TO STA. 20+19 22' RT.			59		
STA. 6+55 14' LT. & 55' LT.				2	
STA. 8+30 14' LT. & 14' RT.				2	
STA. 10+10 14' LT. & 14' RT.				2	
STA. 13+75 14' LT. & 14' RT.				2	
STA. 14+50 59' RT.				1	
STA. 15+90 14' LT. & 14' RT.				2	
STA. 18+00 14' LT. & 14' RT.				2	
STA. 6+45 70' LT. TO STA. 10+47 85' LT.					417
STA. 14+22.33 70' LT. TO STA. 15+25 70' LT.					143
STA. 19+00 30' RT. TO STA. 19+50 30' RT. (OMIT DRIVEWAY)					48
TOTAL	281	56	2898	13	608

USE 300 POUNDS

PERMANENT SEEDING								
LOCATION	SEEDING CLASS 2A	NITROGEN FERT. NUT.	PHOSPHORUS FERT. NUT.	POTASSIUM FERT. NUT.	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	SEEDING CLASS 7	EROSION CONTROL BLANKET
	ACRE	POUND	POUND	POUND	TON	ACRE	ACRE	SQ YD
STA. 4+94 TO STA. 11+77 LT.	0.87	78	78	78	1.94	0.87	0.87	740
STA. 5+00 TO STA. 11+77 RT.	0.70	63	63	63	1.40	0.70	0.70	1633
STA. 12+87 TO STA. 20+19 LT.	0.70	63	63	63	1.40	0.70	0.70	596
STA. 12+87 TO STA. 20+19 RT.	0.54	49	49	49	1.08	0.54	0.54	416
TOTAL	2.81	253	253	253	5.82	2.81	2.81	3385

USE 3.0 ACRE PER BDE USE 270 POUNDS USE 270 POUNDS USE 270 POUNDS USE 6.0 TON USE 3.0 ACRE PER BDE USE 3.0 ACRE PER BDE

EARTHWORK								REMARKS
LOCATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		FURNISHED EXCAVATION	
					EXCAVATION REQUIRED TO COMPLETE	EXCESS EXCAVATION		
STA. 5+10 TO STA. 11+66	22	25	16	8276	0	0	8149	148 CU. YD. TOTAL (111 YD. ADJUSTED) EARTH EXCAVATION WEST SLOPEWALL
STA. 12+98 TO STA. 20+19.2	318	25	238	5752	0	0	5407	142 CU. YD. TOTAL (107 YD. ADJUSTED) EARTH EXCAVATION EAST SLOPEWALL
TOTAL	340						13,556	

TOTAL EARTH EXCAVATION = 340 + 290 = 630 CU. YD.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES

SCALE: SHEET NO. 1 OF 4 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X-1-6)HB-4	WILLIAMSON	135	16
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE						
LOCATION	PAINT PVT	THERMOPLASTIC PAVEMENT MARKING- LINE 6"			THERMOPLASTIC PAVEMENT	PAVEMENT MARKING REMOVAL GRINDING
	MKG LINE 4"				MARKING - LINE 12"	
	CENTERLINE NO PASSING (YELLOW)	30° SKIP 10' DASH (WHITE)	EDGE LINE (YELLOW)	EDGE LINE (WHITE)	DIAGONAL AT 45° ANGLE (YELLOW)	
	FOOT	FOOT	FOOT	FOOT	FOOT	
WESTMINSTER DRIVE						
STA. 5+10 TO STA. 20+19.2	3019					
INTERSTATE 57						
STA. 1558+50 TO STA. 6+50 SOUTHBOUND & RT.		540	2089			
STA. 1558+50 TO STA. 6+50 SOUTHBOUND & LT.				2089		
STA. 1563+00 TO STA. 8+50 NORTHBOUND & RT.		410	1573			
STA. 1563+00 TO STA. 8+50 NORTHBOUND & LT.				1573		
STA. 1563+00 TO STA. 1567+93 NORTHBOUND		130				
STA. 1558+50 TO STA. 6+50 SOUTHBOUND (INCLUDES EDGE LINES)						1572
STA. 1563+00 TO STA. 8+50 NORTHBOUND (INCLUDES EDGE LINES)						1185
STA. 1566+02 TO STA. 0+90 (DIAGONALS) SOUTHBOUND					243	243
STA. 1566+02 TO STA. 0+90 (DIAGONALS) NORTHBOUND					243	243
I-57 TEMPORARY PAVEMENT MARKING (SEE TEMPORARY PAVEMENT MARKING SCHEDULE)						
						7658
	3019	1080	3662	3662	486	10901
	3019		8404		486	10901

PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	
	PCC BASE COURSE 8" SQ. YD.
STA. 5+10 TO STA. 10+86.31	1654
STA. 13+78.01 TO STA. 20+19.20	1853
TOTAL	3507

PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	
	PAVEMENT CONNECTOR BRIDGE APPROACH SLAB SQ. YD.
STA. 10+86.31 TO STA. 11+01.99	55
STA. 13+62.33 TO STA. 13+78.01	55
TOTAL	110

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6"	
	PCC DRIVEWAY PAVEMENT 6" SQ. YD.
STA. 19+27 RT.	47
TOTAL	47

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
	PCC SIDEWALK 4 INCH SQ. FT.
STA. 4+87 TO STA. 11+31.42 LT.	5232
STA. 13+31.76 TO STA. 20+19.2 LT.	5603
TOTAL	10835

CONCRETE BARRIER					
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	BARRIER WALL REFLECTORS	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER REMOVAL, DOUBLE FACE
	FOOT	FOOT	EACH	FOOT	FOOT
STAGE I					
STA. 1566+50 TO STA. 1571+00 SOUTHBOUND	450		18		
STA. 1569+75 TO STA. 1+33.4 NORTHBOUND	450		18		
STAGE II					
STA. 1566+50 TO STA. 0+58.4 28' RT. SOUTHBOUND	250	700	10		
STA. 1569+00 TO STA. 0+58.4 28' LT. NORTHBOUND		200			
STA. 1569+28 TO STA. 1570+36 @ CENTERLINE I-57					108
STA. 1570+58.5 TO STA. 1+02 @ CENTERLINE I-57					335
STA. 1569+28 TO STA. 1570+26.85 @ CENTERLINE OF I-57				99	
STA. 1570+64.35 TO STA. 1+02 @ CENTERLINE I-57				330	
TOTAL	1150	900	46	429	443

AGGREGATE SCHEDULE			
LOCATION	AGGREGATE BASE COURSE, TYPE A 12"	AGGREGATE BASE COURSE, TYPE B 6"	AGGREGATE FOR TEMPORARY ACCESS
	SQ. YD.	SQ. YD.	TON
WESTMINSTER DRIVE			
STA. 5+10 TO STA. 10+86.31	2177		
STA. 13+78.01 TO STA. 19+58.50	2435		
P.E. STA. 19+27 RT.			5
I-57			
STA. 1565+50 TO STA. 4+00 NORTHBOUND		1269	
STA. 1563+00 TO STA. 4+00 SOUTHBOUND		1547	
TOTAL	4612	2816	5

DRAINAGE STRUCTURE SCHEDULE							
NO.	LOCATION			MANHOLES, TYPE A, 4' DIAMETER, TYPE 3 FRAME AND GRATE	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	INLETS, TYPE B, TYPE 8 GRATE
	STATION	OFFSET	FRAME ELEV.	EACH	EACH	EACH	EACH
100	6+55	14' RT	469.70	1			
101	6+55	14' LT	469.70	1			
102	8+30	14' RT	478.24			1	
103	8+30	14' LT	478.24		1		
104	10+10	14' RT	487.04			1	
105	10+10	14' LT	487.04		1		
106	13+75	14' RT	489.89		1		
107	13+75	14' LT	489.89			1	
108	15+90	14' RT	479.48		1		
109	15+90	14' LT	479.48			1	
110	18+00	14' RT	475.43		1		
111	18+00	14' LT	475.43			1	
112	6+55	55' LT	463.00				1
TOTAL				2	5	5	1

SHOULDER SCHEDULE		
LOCATION	PCC SHOULDERS 12"	PAVED SHOULDER REMOVAL
	SQ. YD.	SQ. YD.
I-57		
STA. 1565+50 TO STA. 4+00 NORTHBOUND	1547	1269
STA. 1563+00 TO STA. 4+00 SOUTHBOUND	2816	1547
TOTAL	4363	2816

POROUS GRANULAR EMBANKMENT	
	POROUS GRANULAR EMBANKMENT CU. YD.
STA. 6+46.5 TO STA. 6+64.5	130
TOTAL	130

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES

SCALE: SHEET NO. 2 OF 4 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X-1-6)HB-4	WILLIAMSON	135	17
CONTRACT NO. 78619				
ILLINOIS FED AID PROJECT				

SHOULDER RUMBLE STRIPS, 16 INCH	
LOCATION	SHOULDER RUMBLE STRIPS, 16 INCH
	FOOT
STA. 1570+20.6 TO STA. 1570+70.6 SOUTHBOUND	50
STA. 1570+20.6 TO STA. 1570+70.6 NORTHBOUND	50
TOTAL	100

WATER VALVES TO BE ADJUSTED	
LOCATION	WATER VALVES TO BE ADJUSTED
	EACH
STA. 6+84 57' LT.	1
TOTAL	1

SUB-BASE GRANULAR MATERIAL, TYPE A 12"	
LOCATION	SUB-BASE GRANULAR MATERIAL, TYPE A 12"
	SQ. YD.
STA. 1570+20.6 TO STA. 1570+70.6 @ CENTERLINE	112
TOTAL	112

FURNISHING AND ERECTING RIGHT OF WAY MARKERS	
LOCATION	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
	EACH
STA. 5+00 30' RT.	1
STA. 5+00 55' RT.	1
STA. 7+92.64 55' RT.	1
STA. 14+21.46 90' LT.	1
STA. 14+22.33 70' LT.	1
STA. 15+25 70' LT. & 90' LT.	2
TOTAL	7

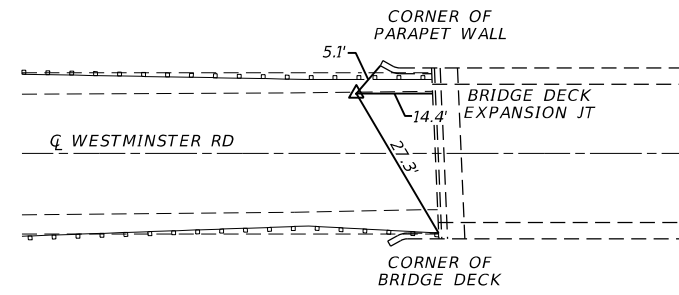
PIPE UNDERDRAINS, TYPE 1 4"	
LOCATION	PIPE UNDERDRAINS, TYPE 1 4"
	FOOT
STA. 1570+20.6 TO STA. 1570+70.6 SOUTHBOUND	50
STA. 1570+20.6 TO STA. 1570+70.6 NORTHBOUND	50
TOTAL	100

CONCRETE COLLAR	
LOCATION	CONCRETE COLLAR
	CU. YD.
STA. 14+42 44' LT.	0.3
STA. 14+42 34' RT.	0.3
TOTAL	0.6

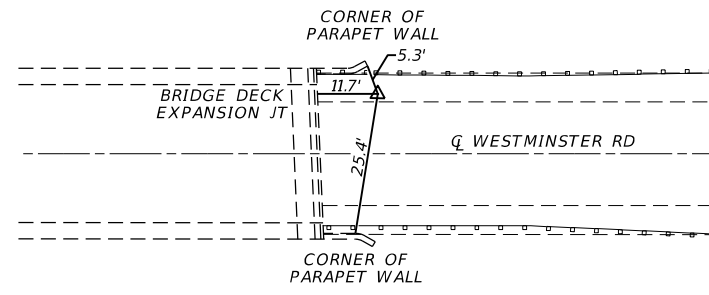
SIDEWALK REMOVAL	
LOCATION	SIDEWALK REMOVAL
	SQ. FT.
STA. 18+76.5 TO STA. 18+80.5 9' RT. TO 16' RT.	28
TOTAL	28

REMOVE SIGN PANEL - TYPE 1	
LOCATION	REMOVE SIGN PANEL
	SQ. FT.
STA. 11+27 14' RT.	5
STA. 13+37 19' LT.	5
TOTAL	10

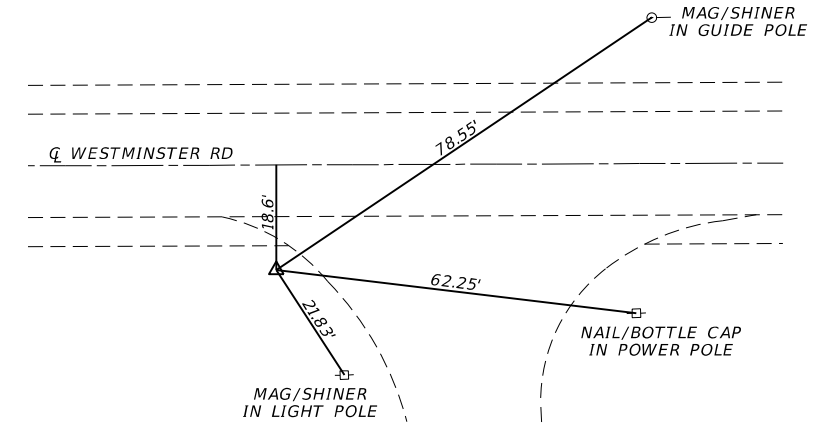
TRENCH BACKFILL	
LOCATION	TRENCH BACKFILL
	CU. YD.
STA. 6+56 TO STA. 8+29 14' RT.	33
STA. 8+30 14' LT. TO 14' RT.	4
STA. 8+31 TO STA. 10+09 14' RT.	32
STA. 10+10 14' LT. TO 14' RT.	4
STA. 13+75 14' LT TO 14' RT.	4
STA. 13+76 TO STA. 15+89 14' RT.	30
STA. 15+90 14' LT. TO 14' RT.	4
STA. 15+91 TO STA. 17+99 14' LT.	28
STA. 18+00 14' LT. TO 14' RT.	4
TOTAL	143



WP 10552
 IRON PIN W/
 YELLOW IDOT CAP
 10.4' RT STA. 13+41.5
 N 803331.9900
 E 383674.0590

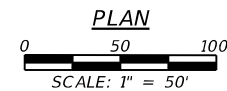
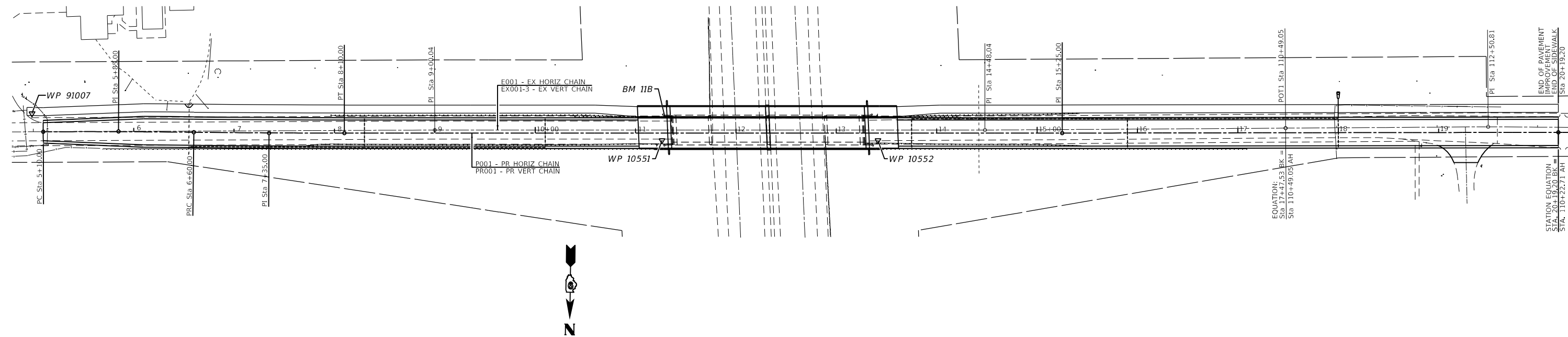


WP 10551
 IRON PIN W/
 YELLOW IDOT CAP
 10.4' RT STA. 11+26.3
 N 803547.1030
 E 383667.7590



WP 91007
 60d NAIL
 18.6' LT STA. 4+98.8
 N 804173.5020
 E 383622.5580

BENCHMARKS: BM #11B - CHISELED "□" ON PARAPET WALL
 14.0' LT. STA. 11+29.0 ELEV. 492.45



NOTE: EXISTING AND PROPOSED RIGHT OF WAY LIMITS ARE
 MEASURED FROM THE CENTERLINE OF THE EXISTING
 ROADWAY (WESTMINSTER DRIVE) E001 CHAIN

VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

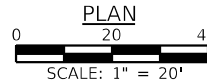
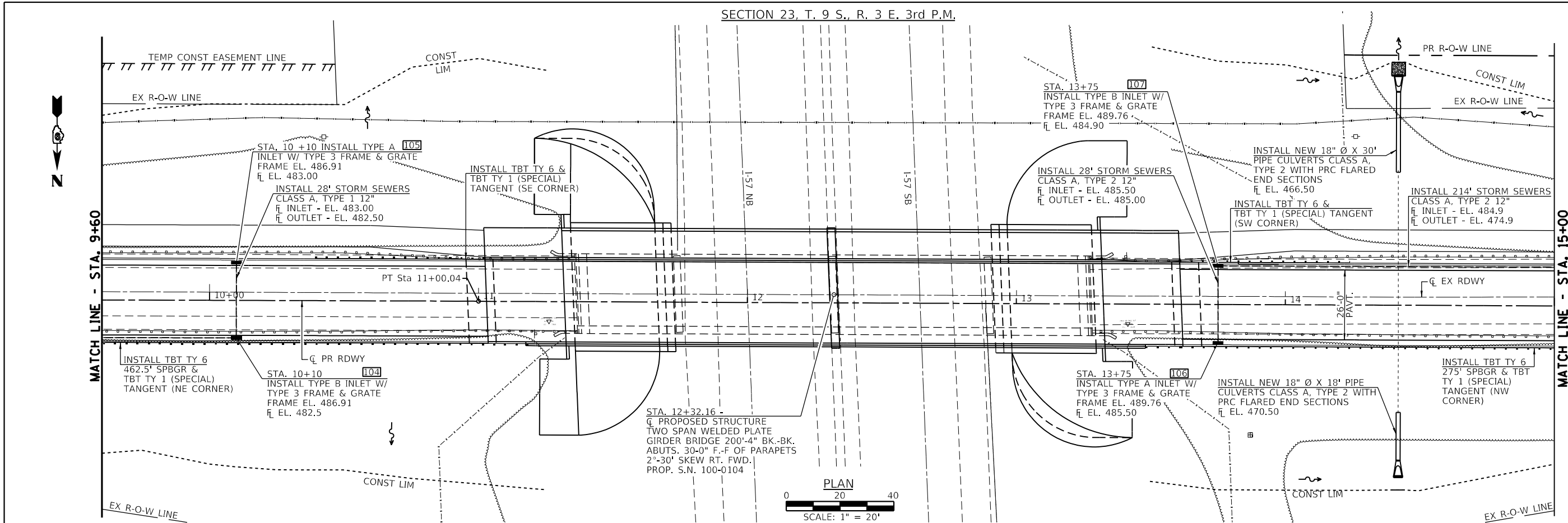
ALIGNMENT TIES & BENCHMARKS

SCALE: 1" = 30' SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

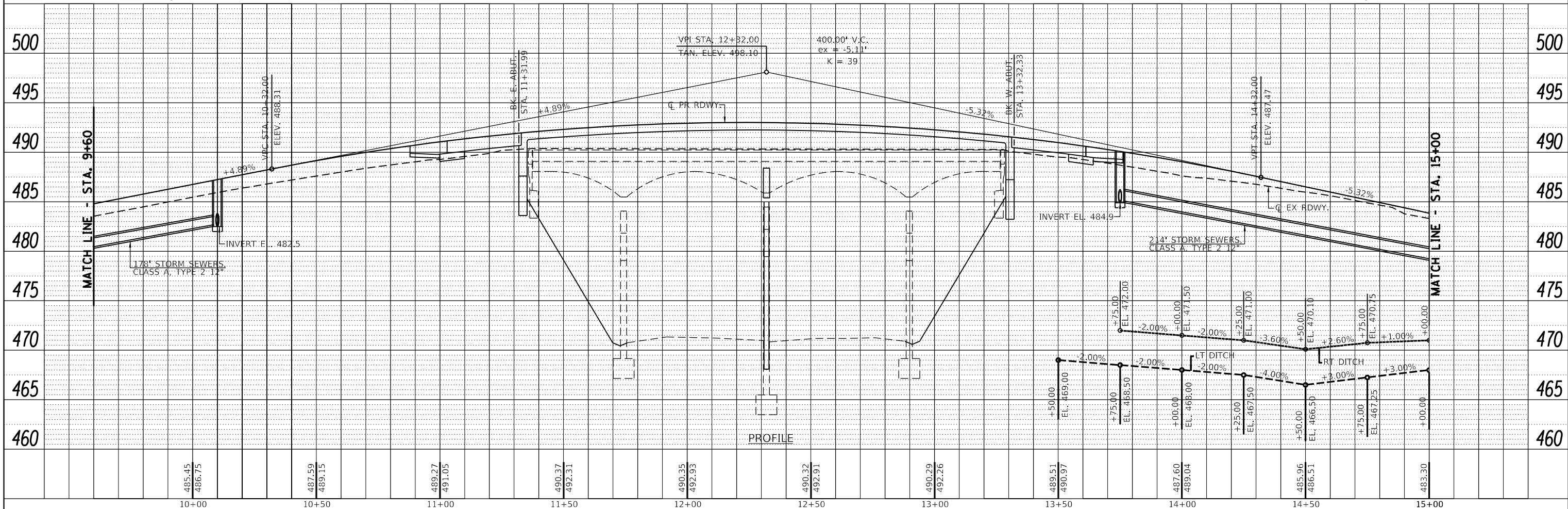
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	20
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

SECTION 23, T. 9 S., R. 3 E. 3rd P.M.

DATE	
BY	
REVIEWED	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	
DATE	
BY	
REVIEWED	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	
DATE	
BY	
REVIEWED	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	



DATE	
BY	
REVIEWED	
PLANNED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. _____	
DATE	
BY	
REVIEWED	
PLANNED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. _____	



485.45	486.75	487.59	489.15	489.27	491.05	490.37	492.31	490.35	492.93	490.32	492.91	490.29	492.26	489.51	490.97	487.60	489.04	485.96	486.51	483.30
10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00										

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = akahus	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/15/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

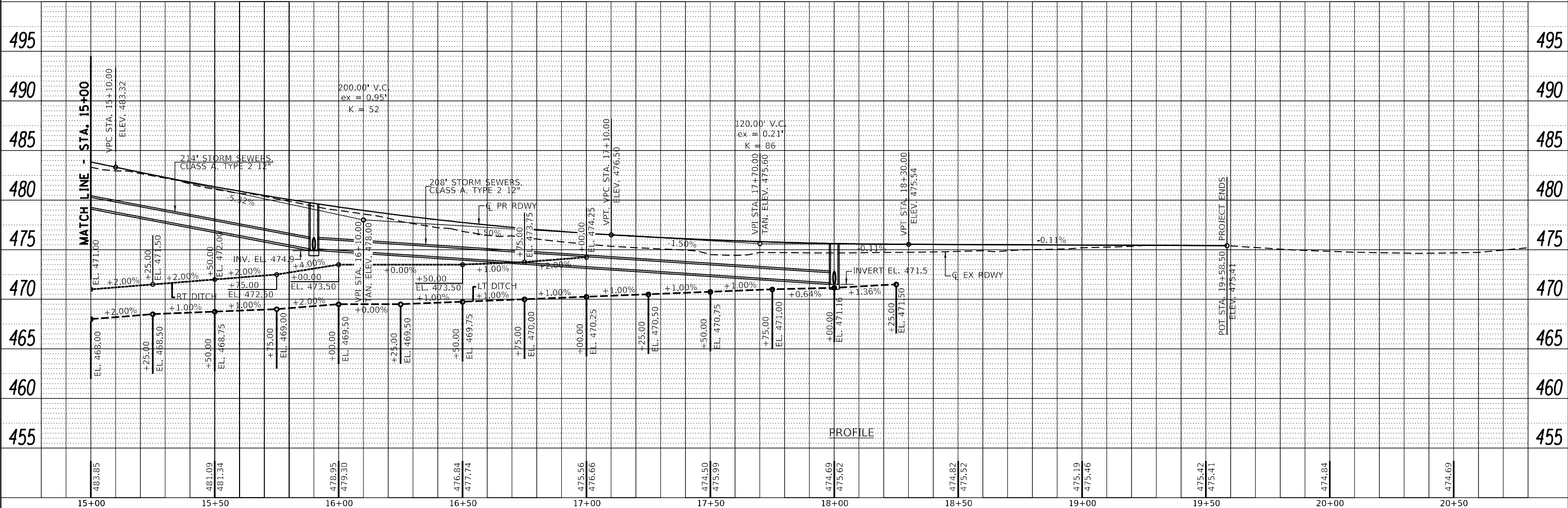
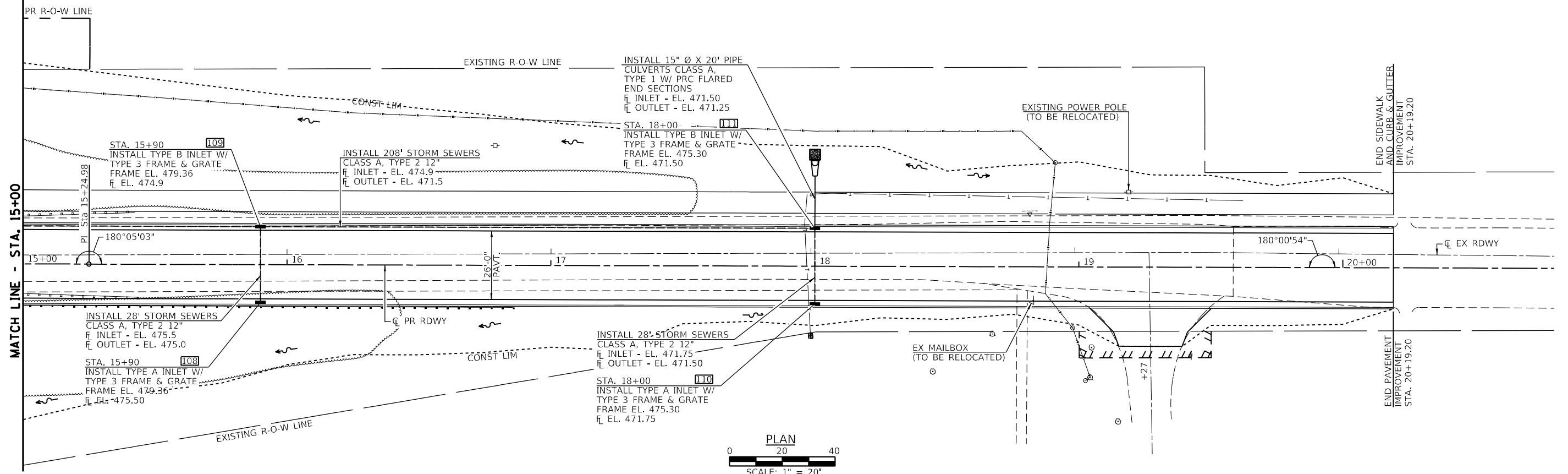
PLAN & PROFILE	
SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS
STA. 9+60	TO STA. 15+00

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 22
CONTRACT NO. 78619				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SECTION 23, T. 9 S., R. 3 E. 3rd P.M.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	



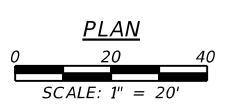
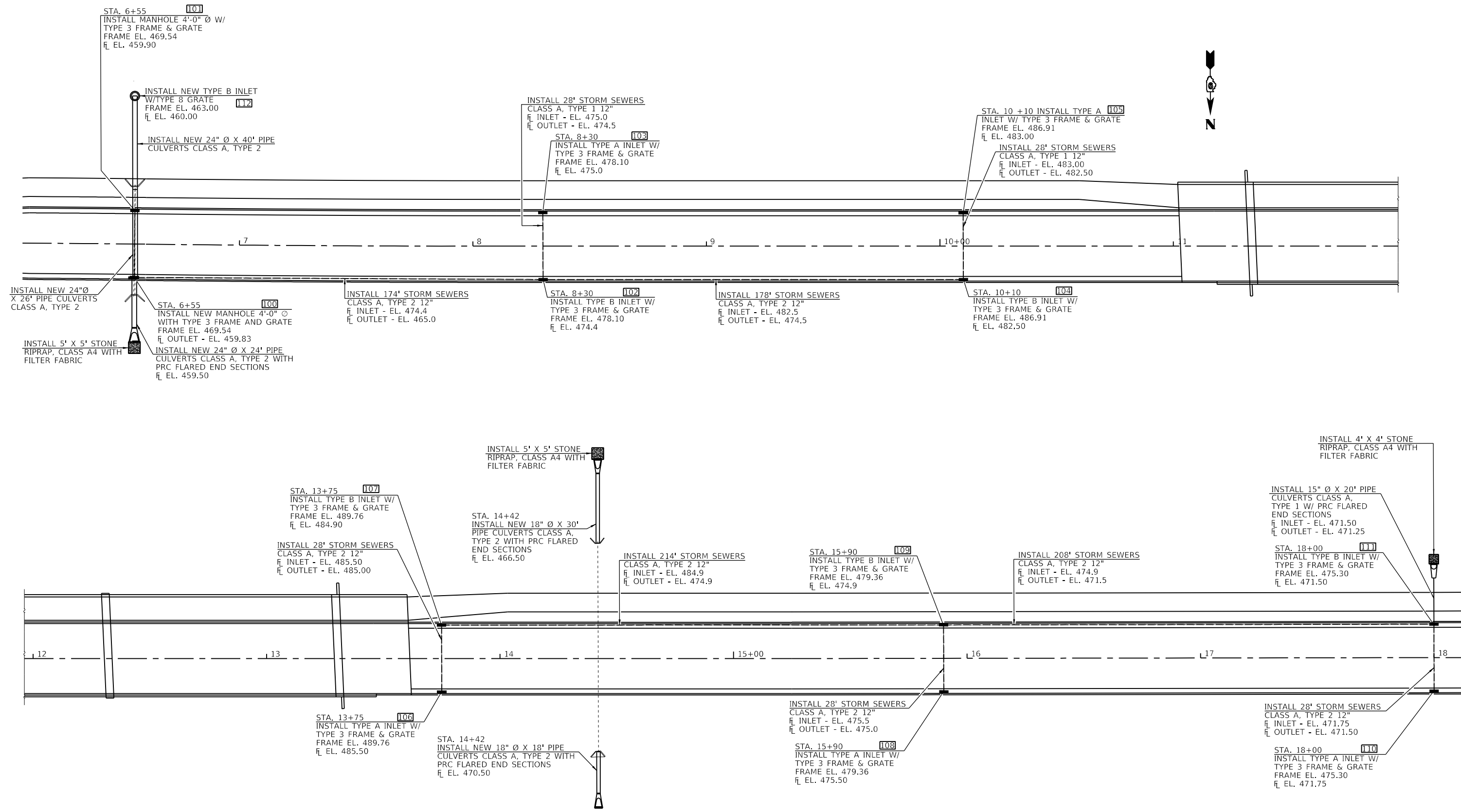
VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = akahrus	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / IN.	DRAWN -	REVISED -
PLOT DATE = 3/15/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE	
SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS
STA. 15+00	TO STA. 20+80

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 23
CONTRACT NO. 78619				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

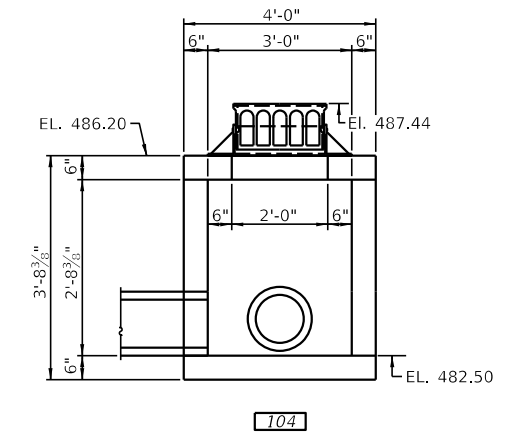
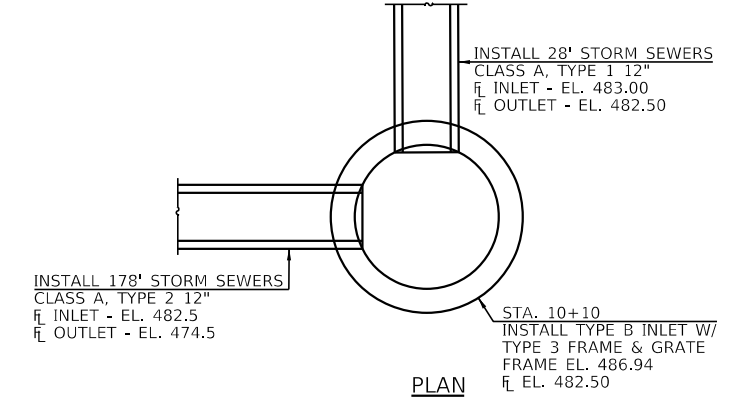
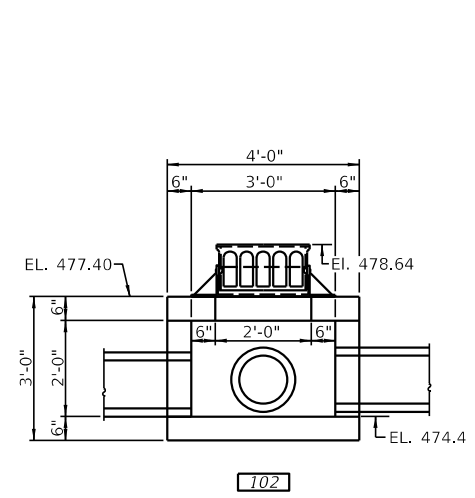
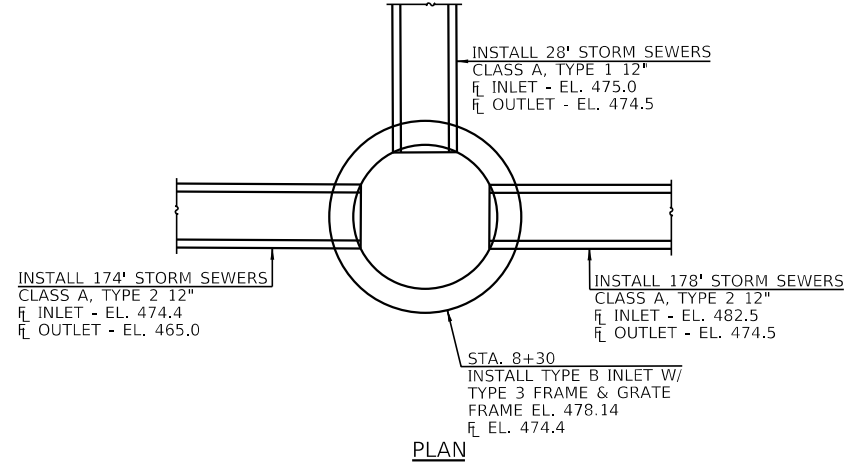
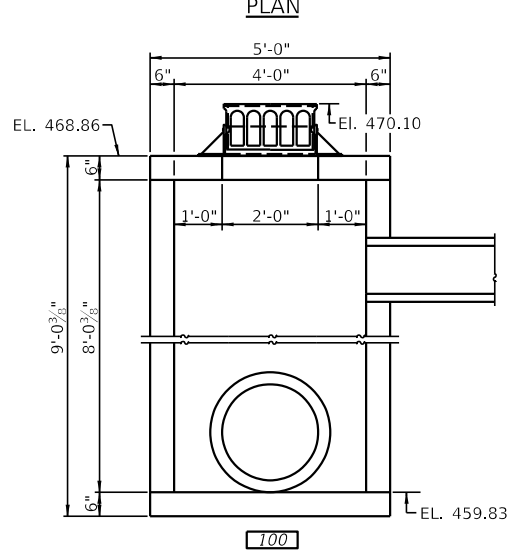
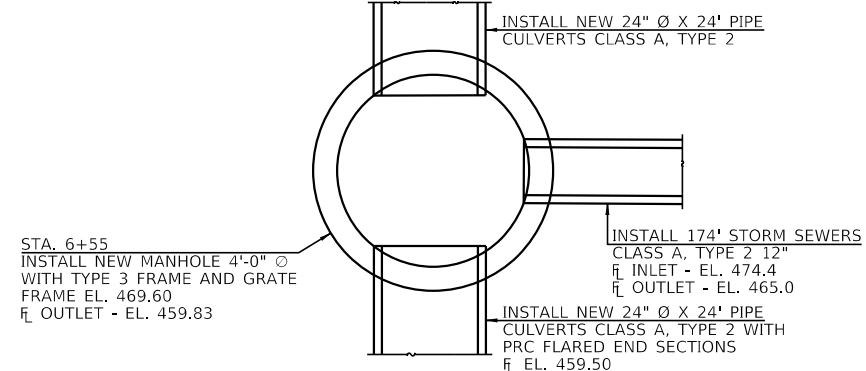
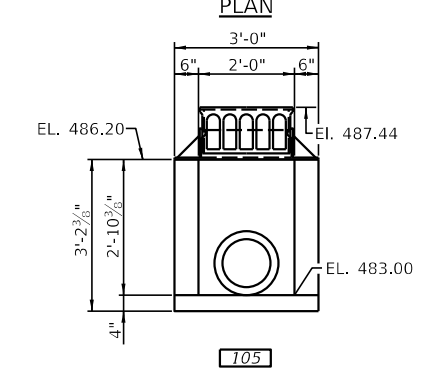
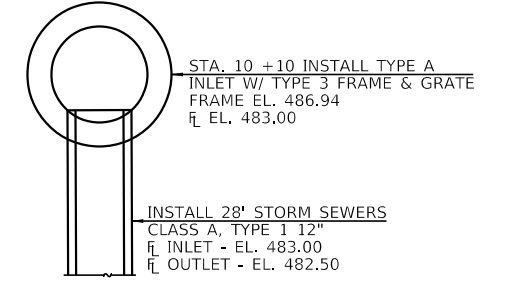
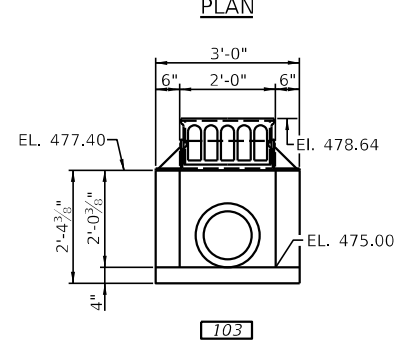
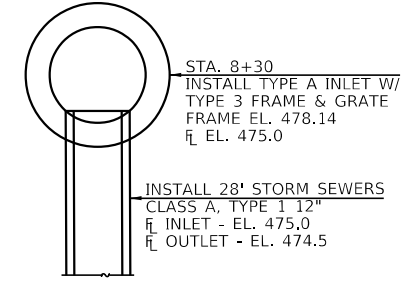
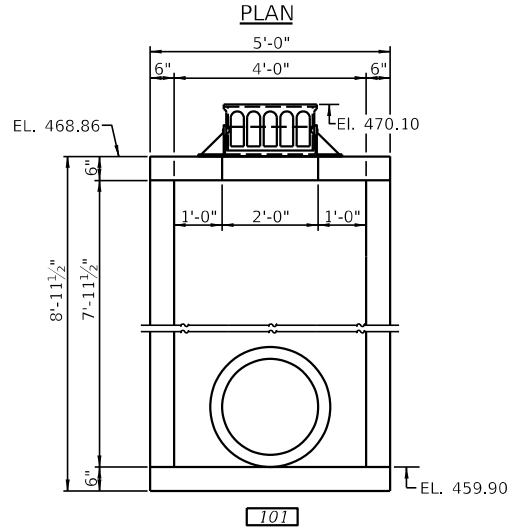
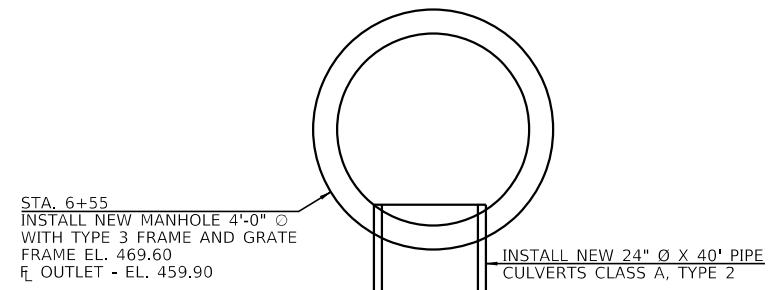
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CHECKED -	REVISIONS -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS

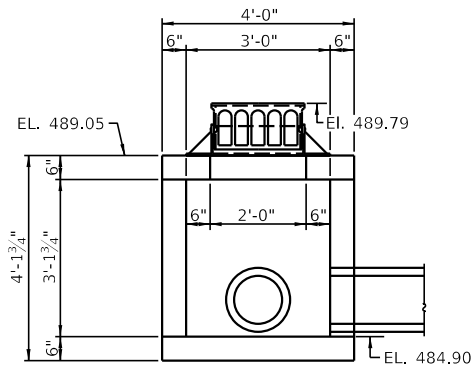
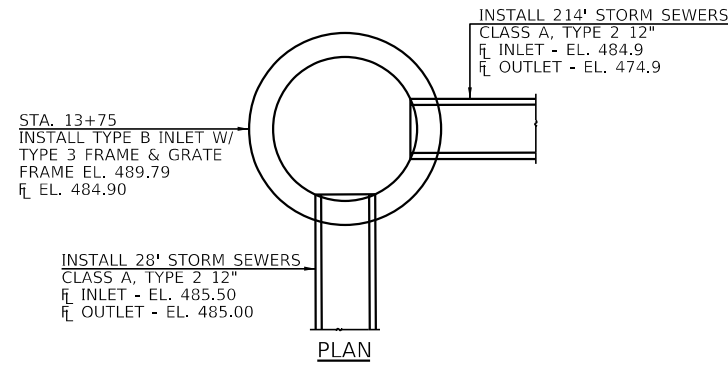
SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	24
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

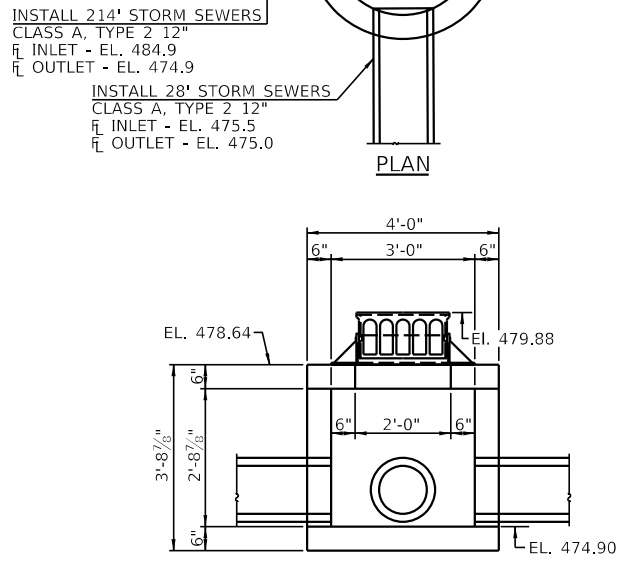
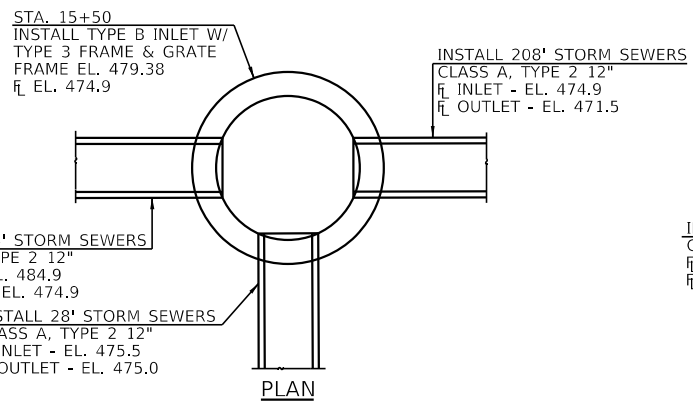


USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

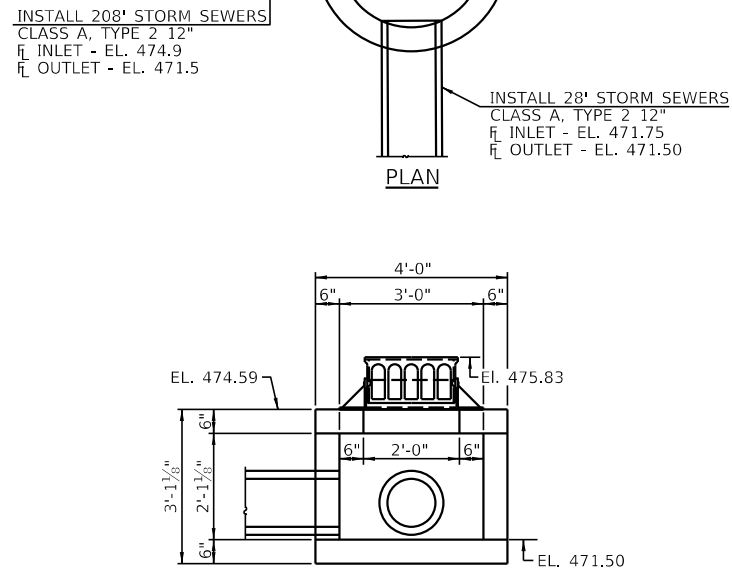
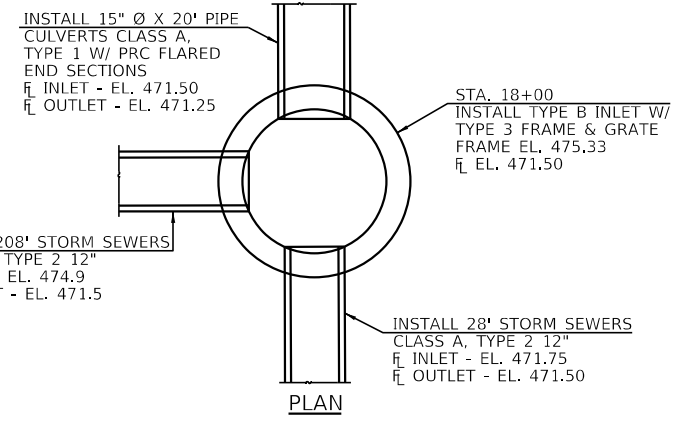
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	25
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



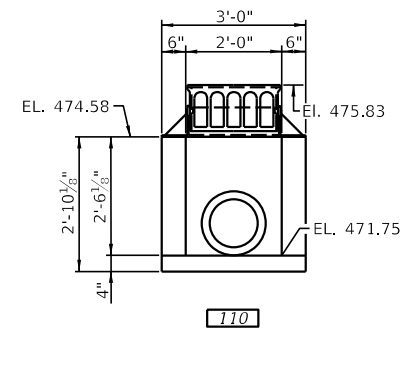
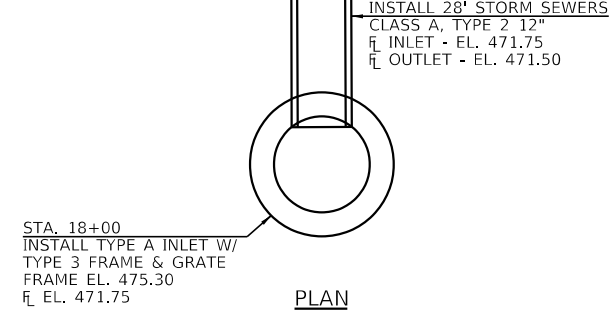
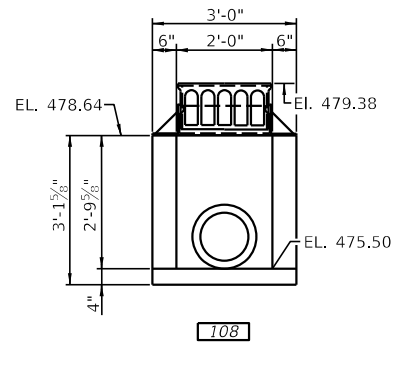
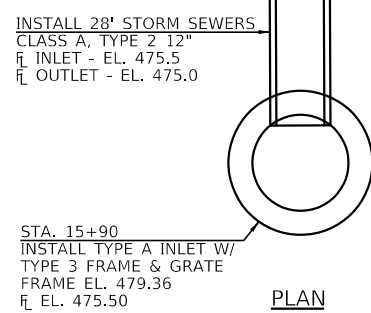
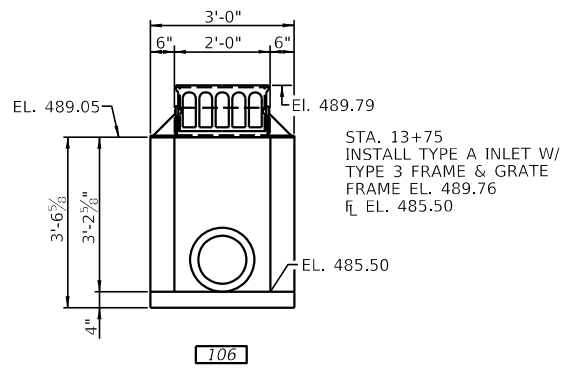
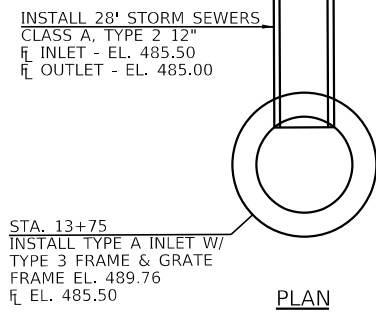
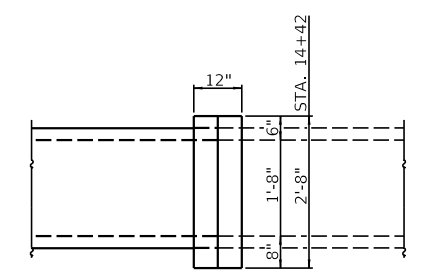
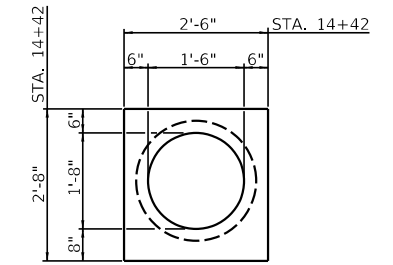
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109

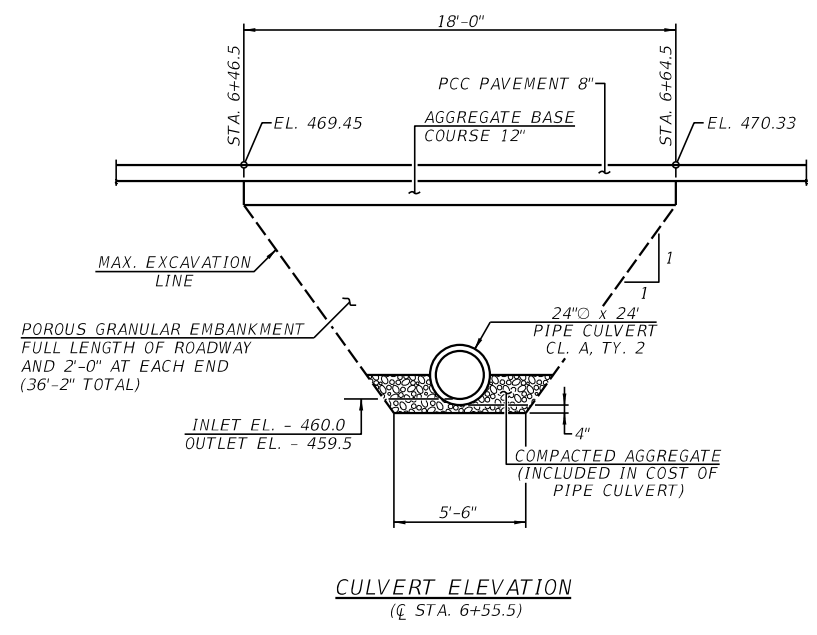
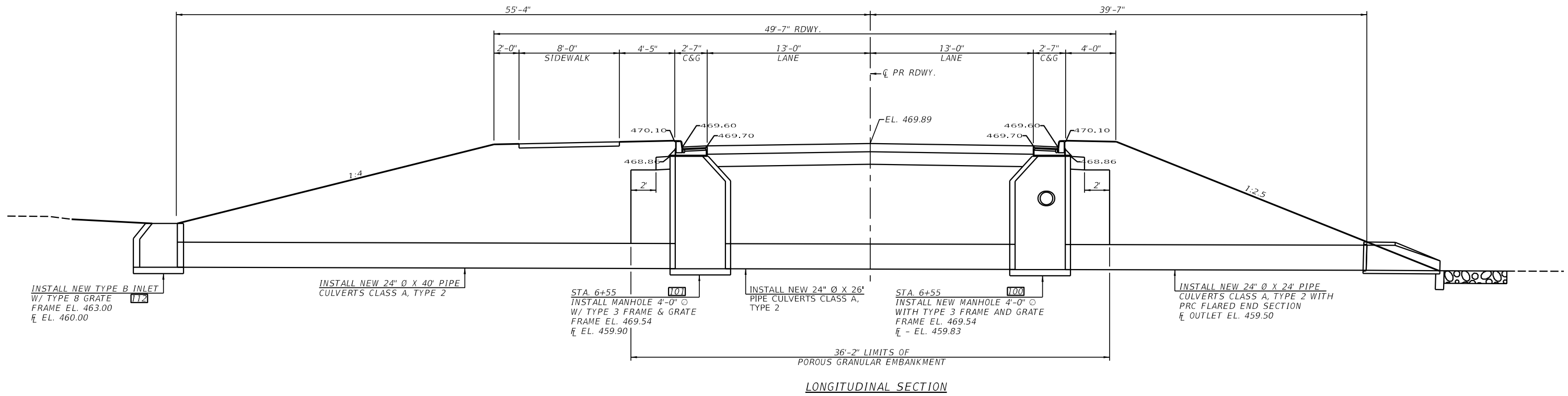


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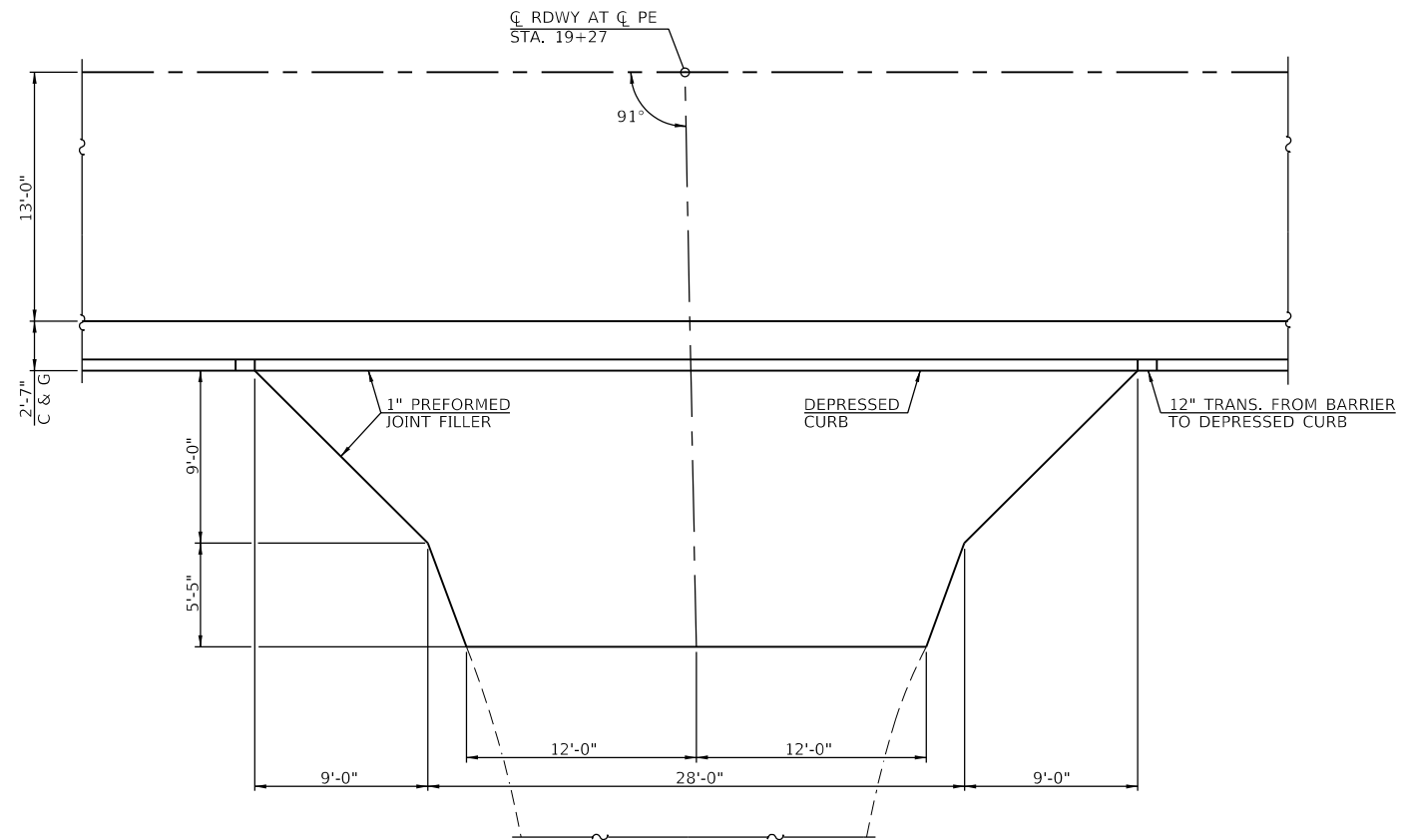
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	26
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

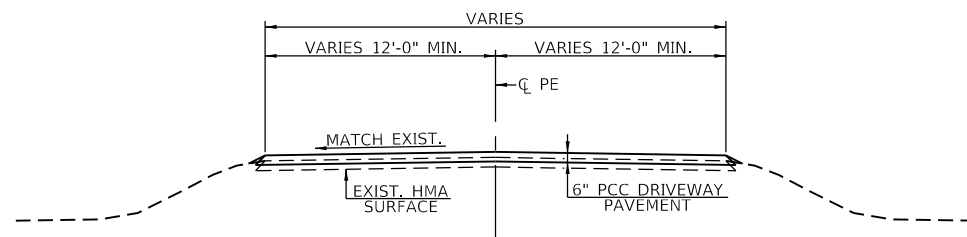


USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	27
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



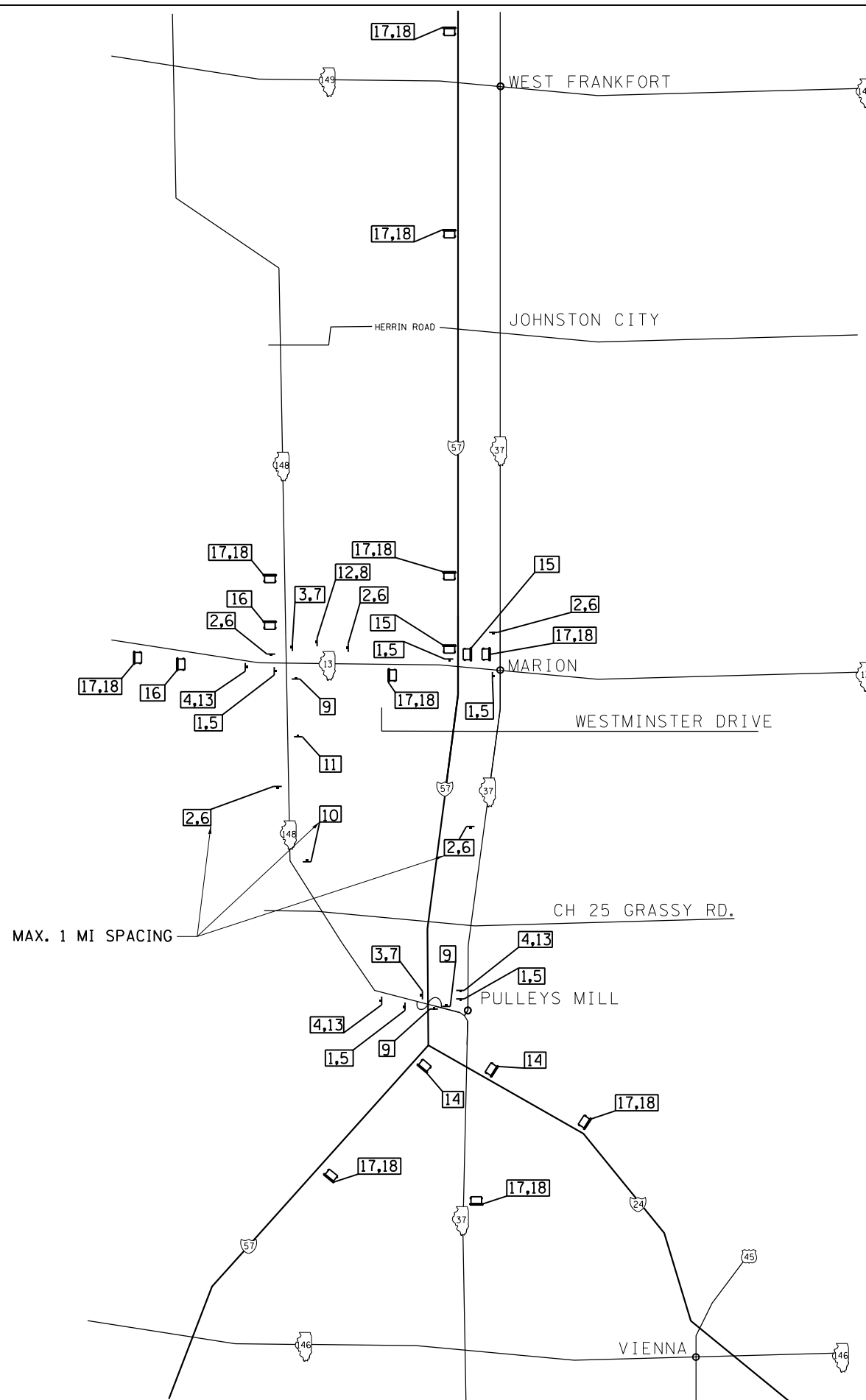
PLAN
PE STA. 19+27 RT.



CROSS SECTION
PE STA. 19+27 RT.

USER NAME =	DESIGNED -	REVISED -
CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	28
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



MAX. 1 MI SPACING



PROPOSED SIGN

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-57 TEMPORARY CLOSURE
 DETOUR PLAN**

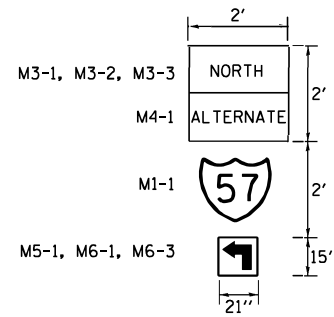
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	29
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

PROPOSED SIGN

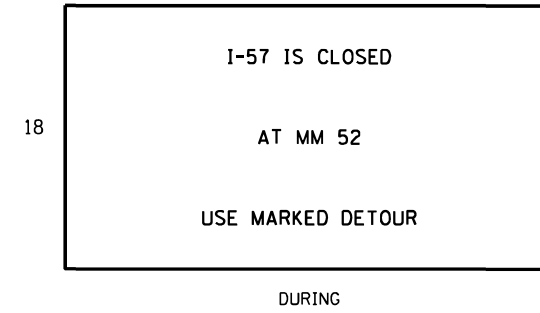
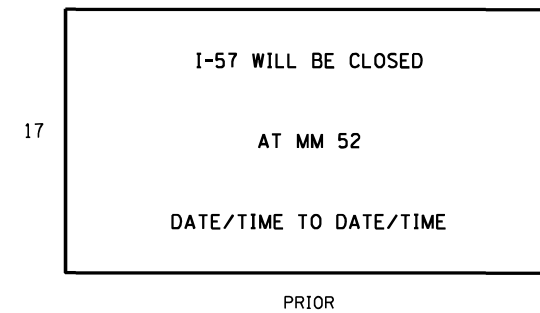
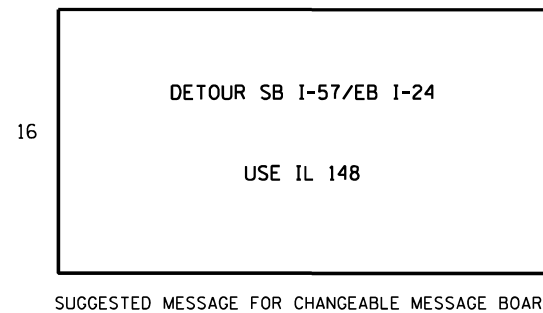
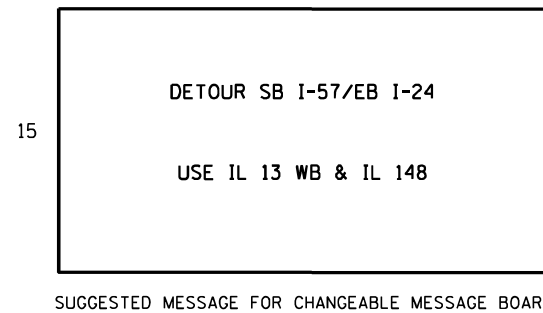
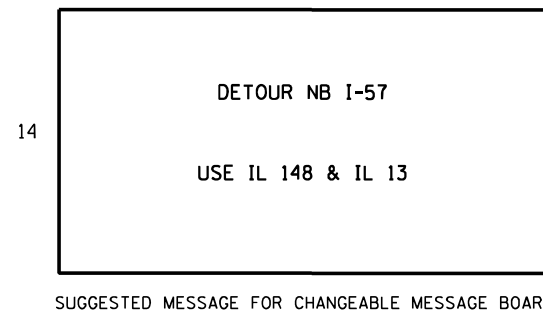
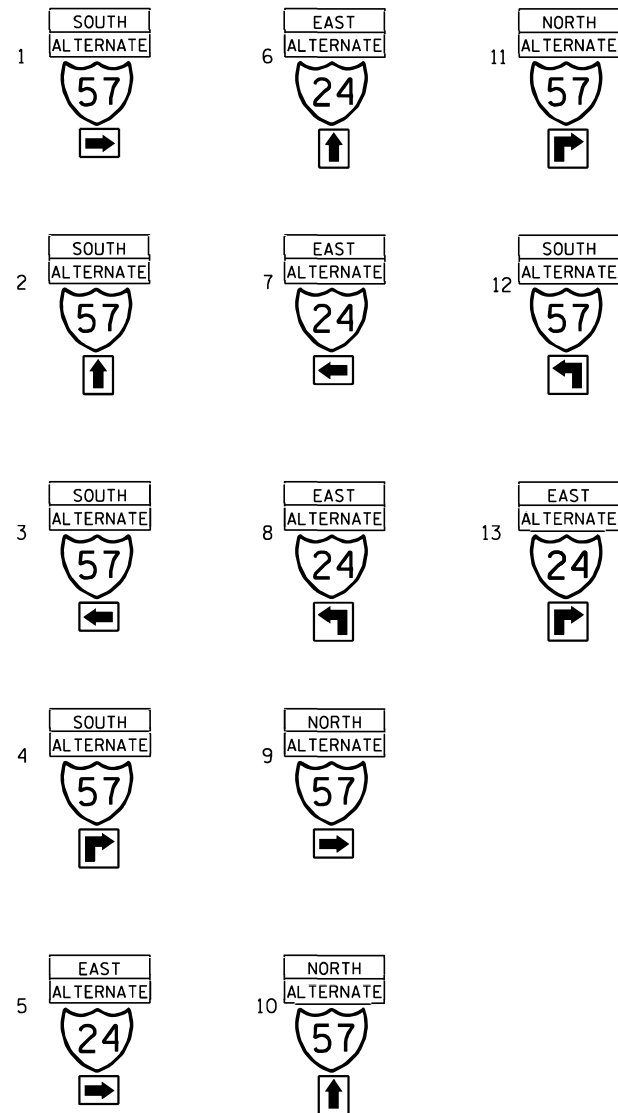
PLACE PROPOSED SIGN WITHIN 200' OF THE EXISTING SIGN IN RURAL AREAS. FOR PROPOSED SIGNS IN CITY LIMITS, THE SIGNS SHALL BE PLACED SO THEY DO NOT INTERFERE WITH EXISTING SIGNS AND AS DIRECTED BY THE ENGINEER.

SIGN DETAIL



NOTES:

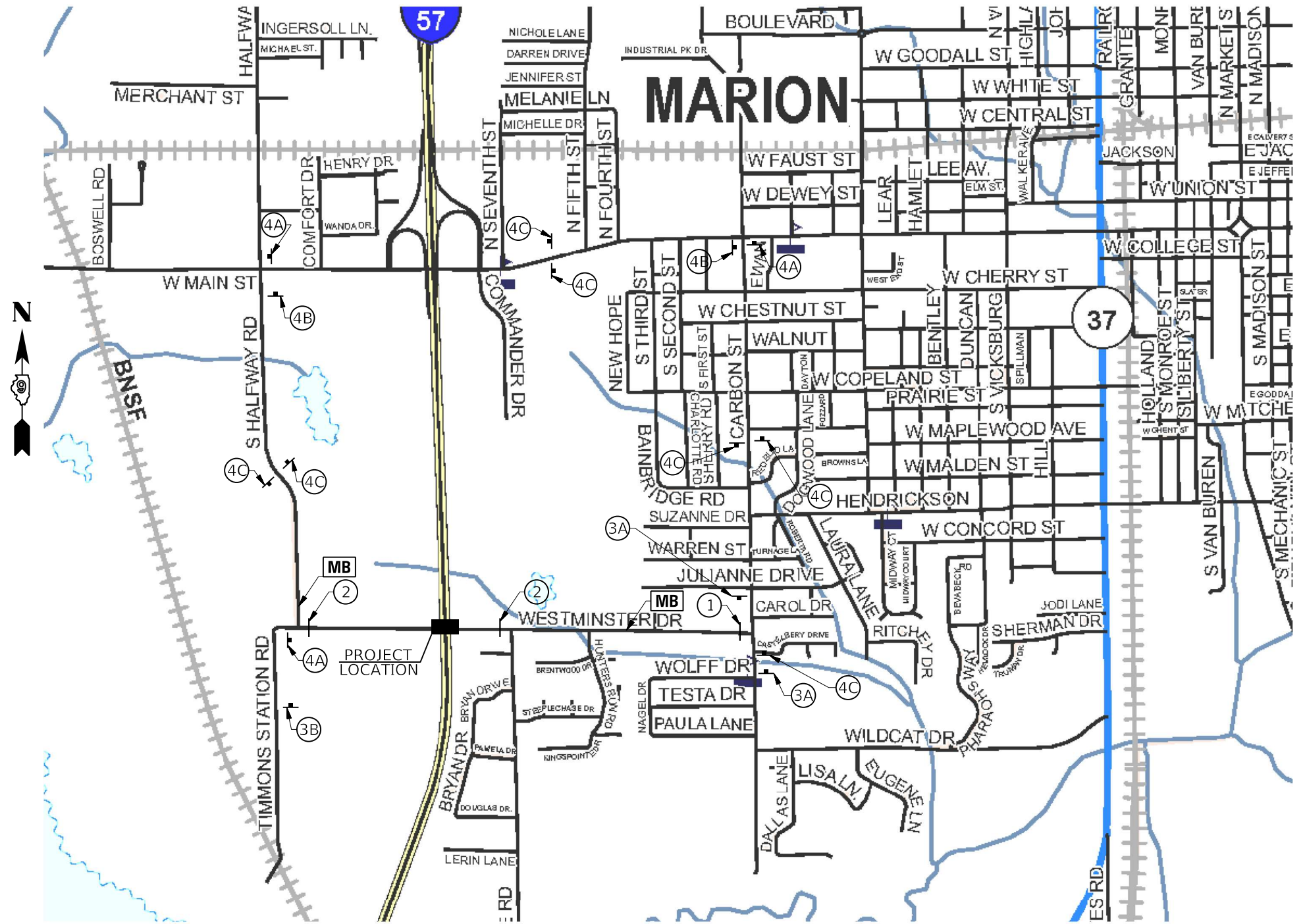
1. THE POSTS SHALL BE PLACED 12 FEET FROM THE EDGE OF PAVEMENT AS DIRECTED BY THE ENGINEER.
2. ALL SIGN HARDWARE REQUIRED TO INSTALL THE ALTERNATE ROUTE SIGNING SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED WITH THE PAY ITEMS INVOLVED. THE SIGNS AND POSTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
4. THE RELOCATING, MAINTENANCE OR REPLACEMENT OF SIGNS SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
5. EXACT SIGN PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
6. THE DISTRICT 9 OPERATIONS ENGINEER SHALL BE CONTACTED 10 DAYS PRIOR TO THE ERECTION OF SIGNS.
7. ALL SIGNS SHALL CONFORM TO THE MUTCD AND SECTION 1106 OF THE STANDARD SPECIFICATIONS.
8. IDOT TO MONITOR & ADJUST SIGNALS ALONG DETOUR ROUTE TO MAXIMIZE CAPACITY.
9. ALL I-57 TEMPORARY CLOSURE DETOUR SIGNAGE SHALL BE COVERED OR REMOVED WHEN NOT IN EFFECT.



REV. - MS

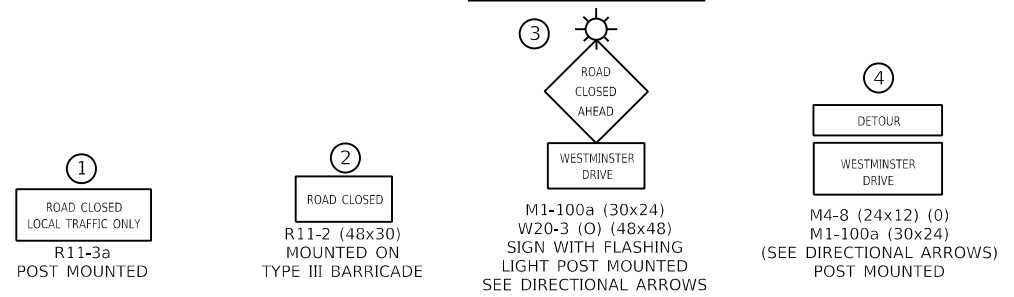
TRAFFIC DETOUR ROUTE NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE ROAD IS TO BE CLOSED. THE ENGINEER WILL CONTACT THE BUREAU OF OPERATIONS AS WELL AS LOCAL, TOWNSHIP AND COUNTY OFFICIALS CONCERNING THE CLOSURE.
2. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING AND MAINTENANCE PRIOR TO THE START OF WORK.
3. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
4. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH HIGHWAY STANDARD BLR 21 AND WITH THE ROAD CLOSURE PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
5. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
6. ALL ROAD CLOSURE SIGNING SHALL BE MOUNTED AS INDICATED.
7. THE SIZE OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND APPLICABLE TRAFFIC STANDARDS.
8. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE ROAD CLOSURE SIGNING SHALL MEET THE REQUIREMENTS FOR A TYPE A - LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
9. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADE.
10. THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ACCORDING TO STANDARD 701901. ALL TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE A - LOW INTENSITY FLASHING LIGHTS.
11. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS.
12. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO WEEKS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE DISTRICT 9 BUREAU OF OPERATIONS.
13. THE CONTRACTOR SHALL MAINTAIN OVERNIGHT ACCESS TO ALL PRIVATE DRIVEWAYS AND FIELD ENTRANCES DURING PERIODS OF CONSTRUCTION.

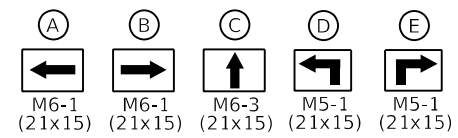


ROAD CLOSURE PLAN
NOT TO SCALE

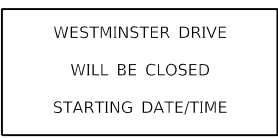
ROAD CLOSURE SIGNS



DIRECTIONAL ARROWS



CHANGEABLE MESSAGE BOARD



LEGEND

- ┆ SIGN POST MOUNTED
- ┆ TYPE III BARRICADE
- MB MESSAGE BOARD



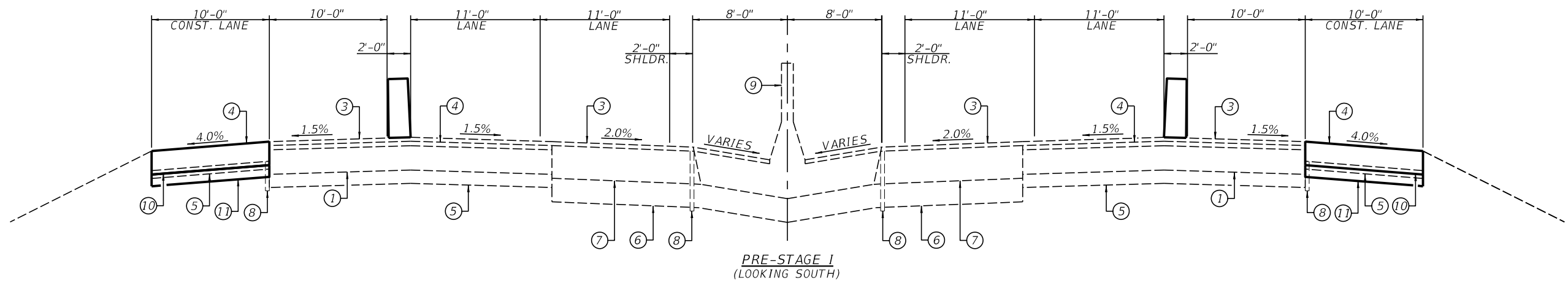
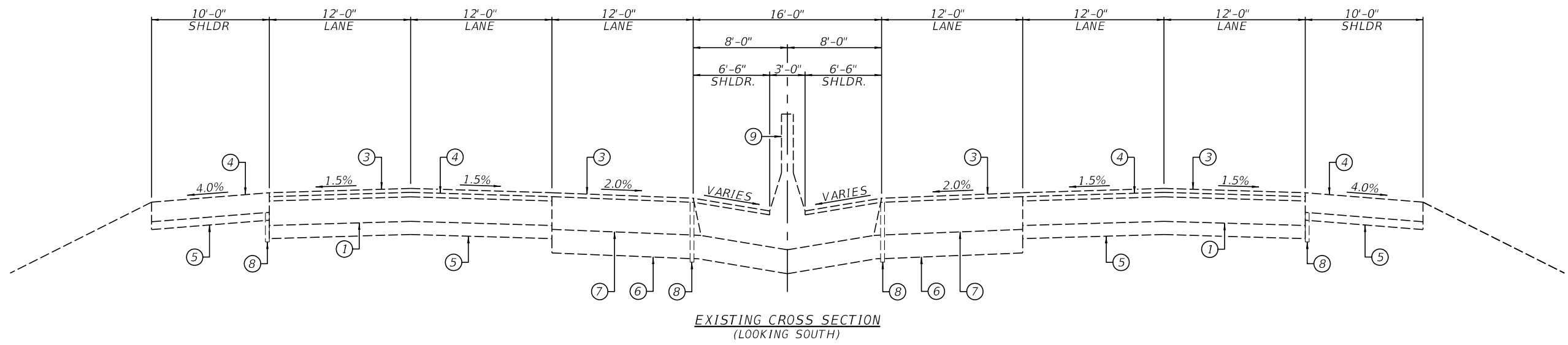
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCAL ROAD DETOUR PLAN

SCALE: SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

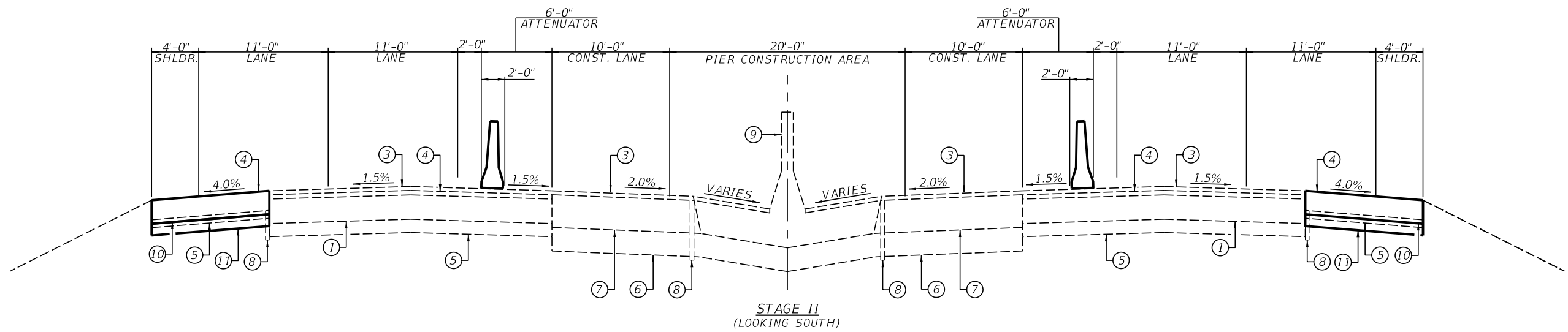
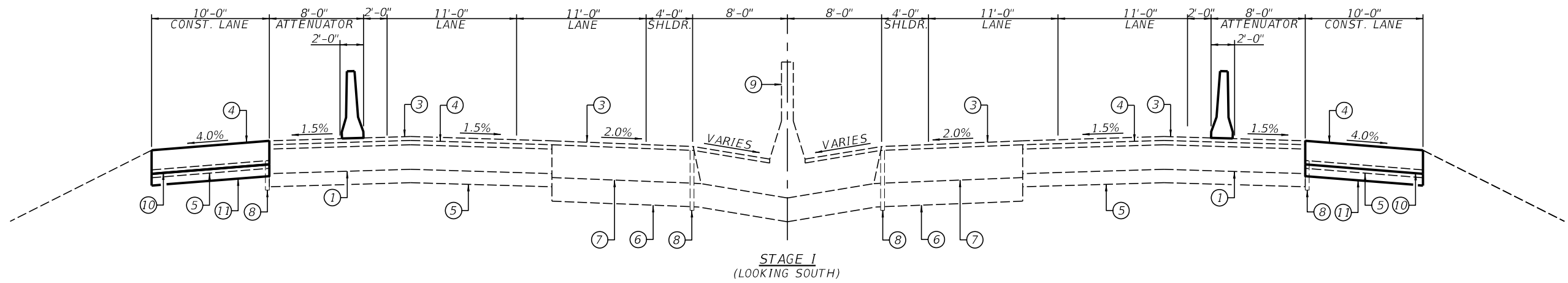
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	31
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



- PAVEMENT LEGEND**
- ① - EX HMA BINDER COURSE, N90, IL-19.0 FG, 12½"
 - ② - EX POLYMERIZED HMA BINDER COURSE, N90, IL-19.0 FG, 2¼"
 - ③ - EX POLYMERIZED HMA SURFACE COURSE, MIX E, N90 2"
 - ④ - EX HMA SHOULDERS 8"
 - ⑤ - EX AGG BASE
 - ⑥ - EX SUBBASE GRANULAR MATERIAL, TYPE A 12"
 - ⑦ - EX FULL DEPTH PAVEMENT 16¾"
 - ⑧ - EX PIPE UNDERDRAINS 4"
 - ⑨ - EX CONCRETE BARRIER, DOUBLE FACE 42"
 - ⑩ - PR PCC SHOULDER 12"
 - ⑪ - PR AGGREGATE BASE COURSE, TYPE B 6"

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

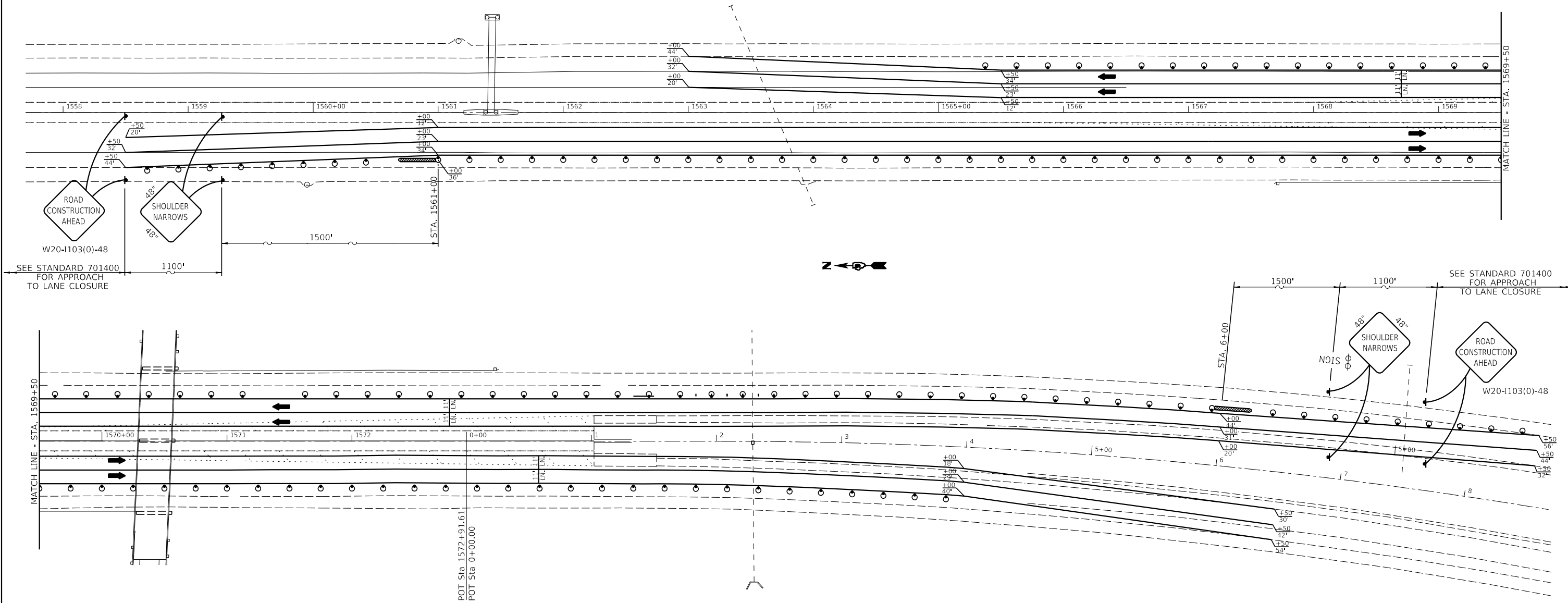
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	32
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



- PAVEMENT LEGEND**
- ① - EX HMA BINDER COURSE, N90, IL-19.0 FG, 12½"
 - ② - EX POLYMERIZED HMA BINDER COURSE, N90, IL-19.0 FG, 2¼"
 - ③ - EX POLYMERIZED HMA SURFACE COURSE, MIX E, N90 2"
 - ④ - EX HMA SHOULDERS 8"
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 - ⑨ - EX CONCRETE BARRIER, DOUBLE FACE 42"
 - ⑩ - PR PCC SHOULDER 12"
 - ⑪ - PR AGGREGATE BASE COURSE, TYPE B 6"

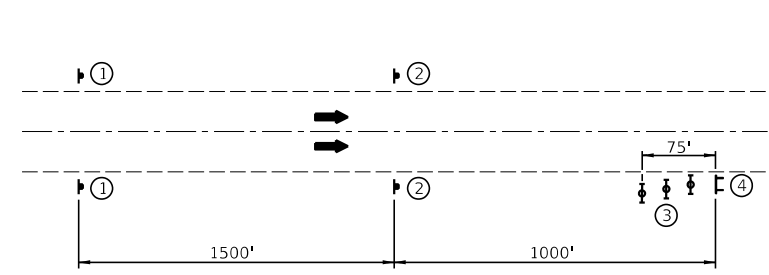
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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	33
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

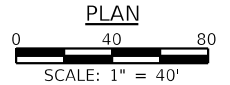


- GENERAL NOTES**
1. ALL TRAFFIC SIGNS SHALL BE POST MOUNTED.
 2. COORDINATE LOCATION OF SIGNS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
 3. ONE TYPE A LOW INTENSITY FLASHING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE ROAD CONSTRUCTION AHEAD WARNING SIGNS.
 4. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 5. THE COST FOR TRAFFIC CONTROL SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN TRAFFIC CONTROL & PROTECTION (SPECIAL).
 6. ATTENUATOR BASES WHEN REQUIRED BY THE MANUFACTURER, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE TEMPORARY IMPACT ATTENUATORS.

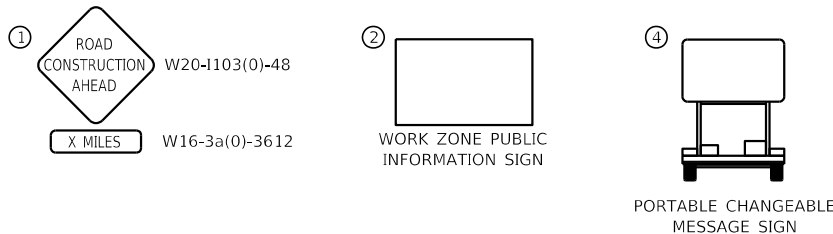
- LEGEND**
- REMOVAL ITEMS
 - SIGN
 - TYPE III BARRICADE
 - DRUM WITH STEADY BURNING LIGHT
 - BARRICADE WITH STEADY BURNING LIGHT
 - TRAFFIC SIGNAL
 - INDUCTION LOOP DETECTOR
 - DOUBLE VERTICAL PANEL
 - TYPE C BIDIRECTIONAL REFLECTOR
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATOR
 - STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS



- APPROACH DETAIL**
- 1 THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
 - 2 THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
 - 3 THREE TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES AT 25' CENTERS.
 - 4 THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT, THE PRIMARY MESSAGES SHALL BE: "SHOULDER NARROWS" / "X MILES AHEAD" / "ALL LANES OPEN"



ITEMS OF WORK
I-57 SHOULDER REMOVAL AND REPLACEMENT



VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

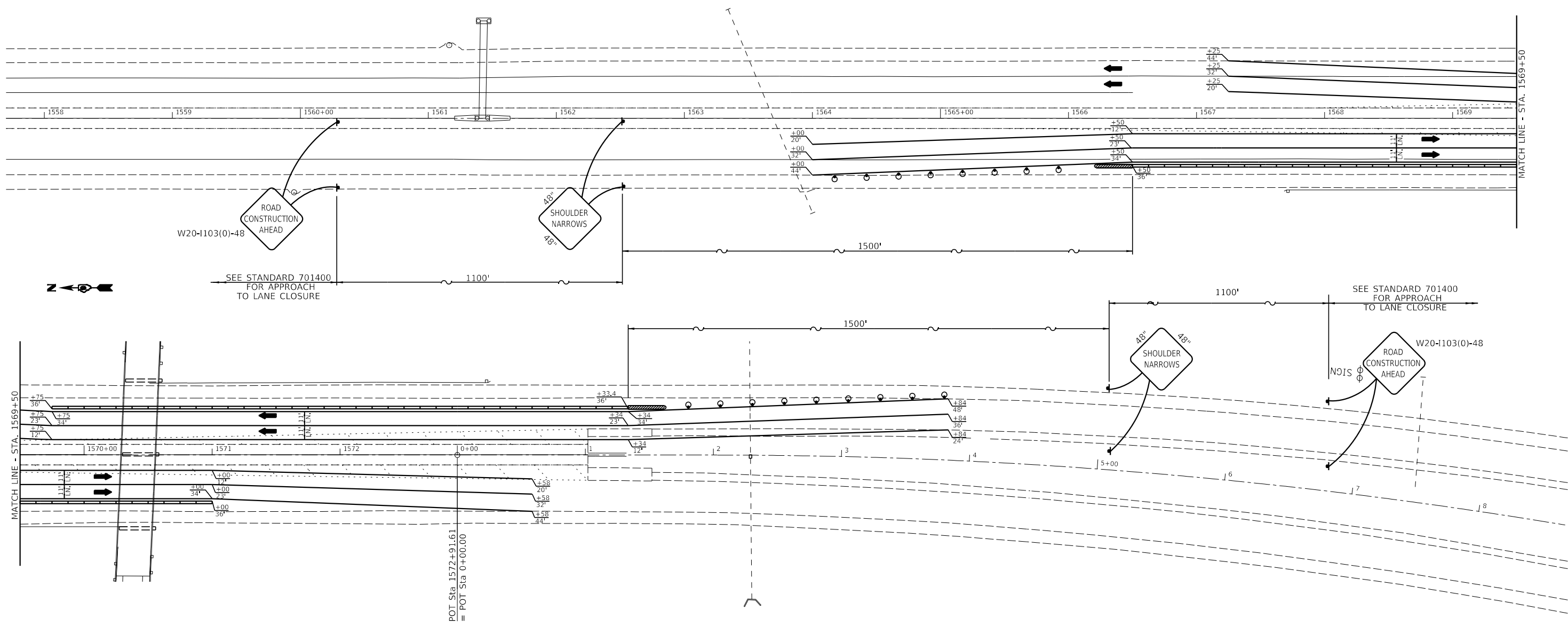
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT WESTMINSTER DRIVE PRE-STAGE I TRAFFIC PLAN

SCALE: 1" = 40' SHEET NO. 1 OF 6 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	34
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

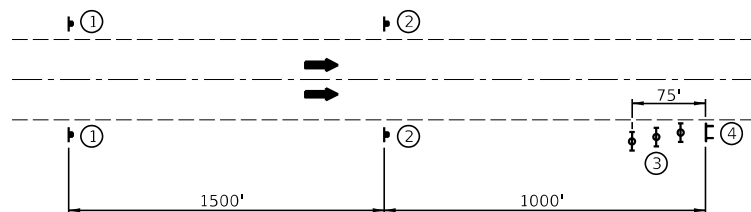
1. ALL TRAFFIC SIGNS SHALL BE POST MOUNTED.
2. COORDINATE LOCATION OF SIGNS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
3. ONE TYPE A LOW INTENSITY FLASHING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE ROAD CONSTRUCTION AHEAD WARNING SIGNS.
4. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
5. THE COST FOR TRAFFIC CONTROL SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN TRAFFIC CONTROL & PROTECTION (SPECIAL).
6. ATTENUATOR BASES WHEN REQUIRED BY THE MANUFACTURER, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE TEMPORARY IMPACT ATTENUATORS.

LEGEND

- REMOVAL ITEMS
- SIGN
- TYPE III BARRICADE
- DRUM WITH STEADY BURNING LIGHT
- BARRICADE WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- DOUBLE VERTICAL PANEL
- TYPE C BIDIRECTIONAL REFLECTOR
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS

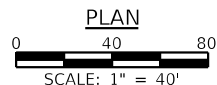
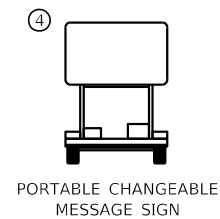
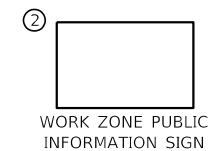
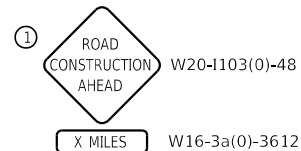
ITEMS OF WORK

- REMOVAL OF PIERS 1 & 3
- REMOVE EXISTING SLOPEWALL
- CONSTRUCTION OF NEW ABUTMENTS
- CONSTRUCTION OF NEW SLOPEWALLS



APPROACH DETAIL

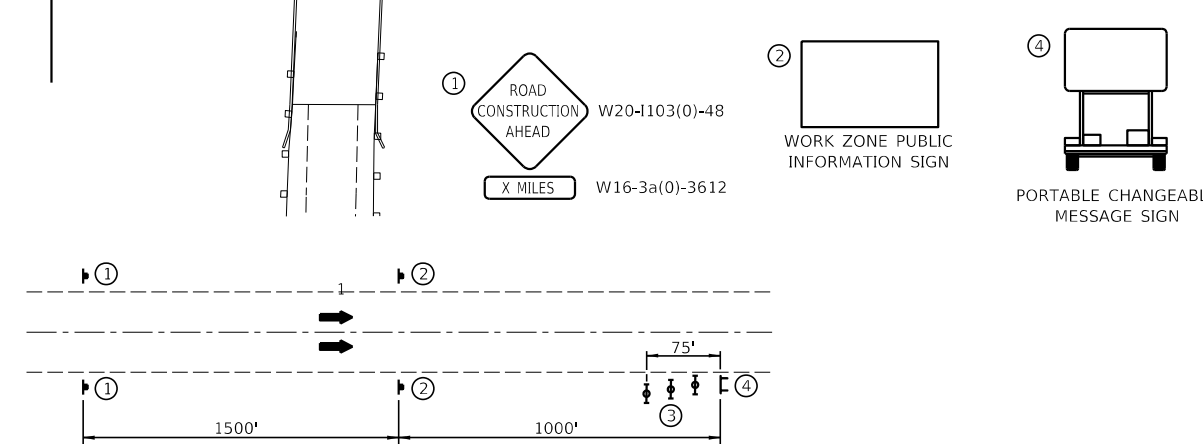
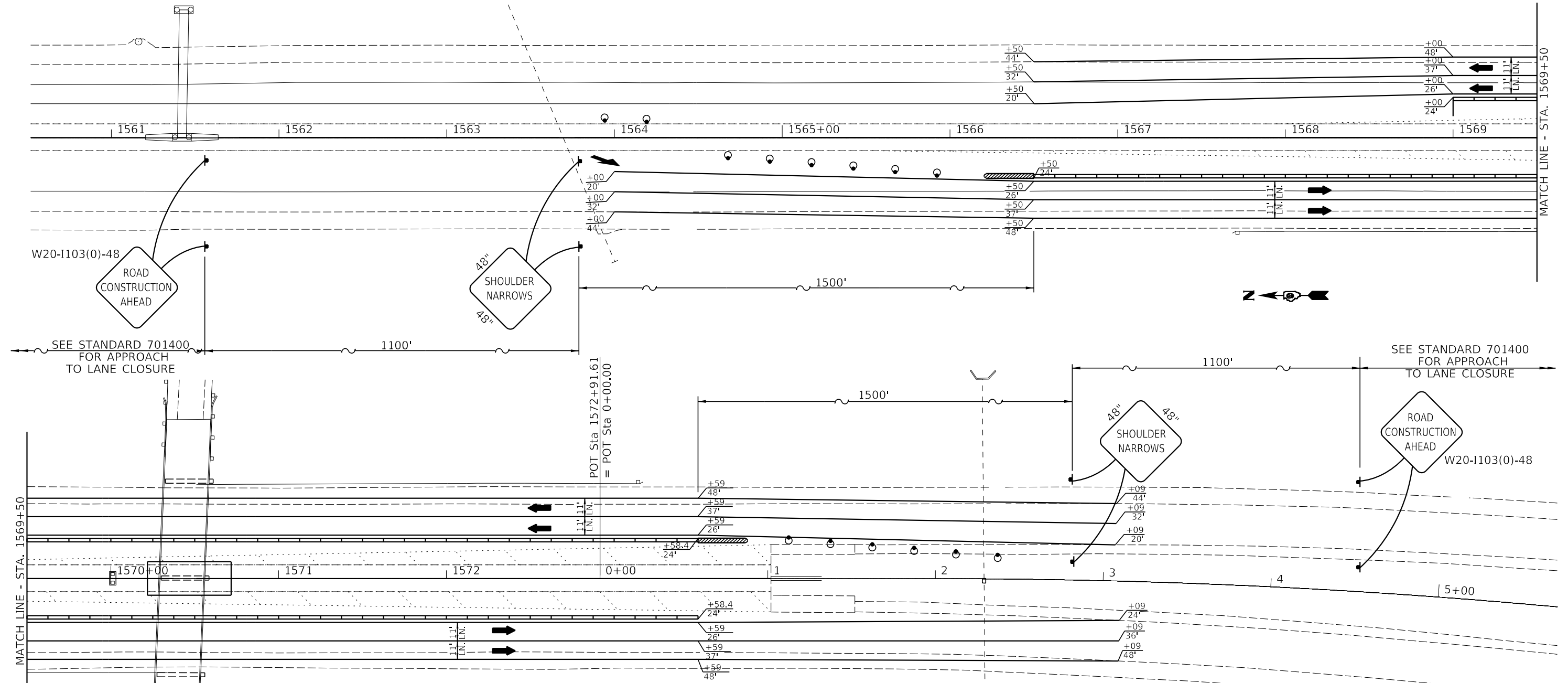
- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ THREE TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES AT 25' CENTERS.
- ④ THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT, THE PRIMARY MESSAGES SHALL BE: "SHOULDER NARROWS" / "X MILES AHEAD" / "ALL LANES OPEN"



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	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	35
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

ITEMS OF WORK
PIER REMOVAL AND RE-CONSTRUCTION
MEDIAN BARRIER REMOVAL & RE-CONSTRUCTION

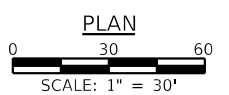


- APPROACH DETAIL**
- 1 THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
 - 2 THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
 - 3 THREE TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES AT 25' CENTERS.
 - 4 THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT, THE PRIMARY MESSAGES SHALL BE: "SHOULDER NARROWS" / "X MILES AHEAD" / "ALL LANES OPEN"

- GENERAL NOTES**
1. ALL TRAFFIC SIGNS SHALL BE POST MOUNTED.
 2. COORDINATE LOCATION OF SIGNS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
 3. ONE TYPE A LOW INTENSITY FLASHING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE ROAD CONSTRUCTION AHEAD WARNING SIGNS.
 4. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 5. THE COST FOR TRAFFIC CONTROL SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN TRAFFIC CONTROL & PROTECTION (SPECIAL).
 6. ATTENUATOR BASES WHEN REQUIRED BY THE MANUFACTURER, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE TEMPORARY IMPACT ATTENUATORS.

LEGEND

	REMOVAL ITEMS
	TYPE III BARRICADE
	DRUM WITH STEADY BURNING LIGHT
	BARRICADE WITH STEADY BURNING LIGHT
	TRAFFIC SIGNAL
	INDUCTION LOOP DETECTOR
	DOUBLE VERTICAL PANEL
	TYPE C BIDIRECTIONAL REFLECTOR
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATOR
	STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS



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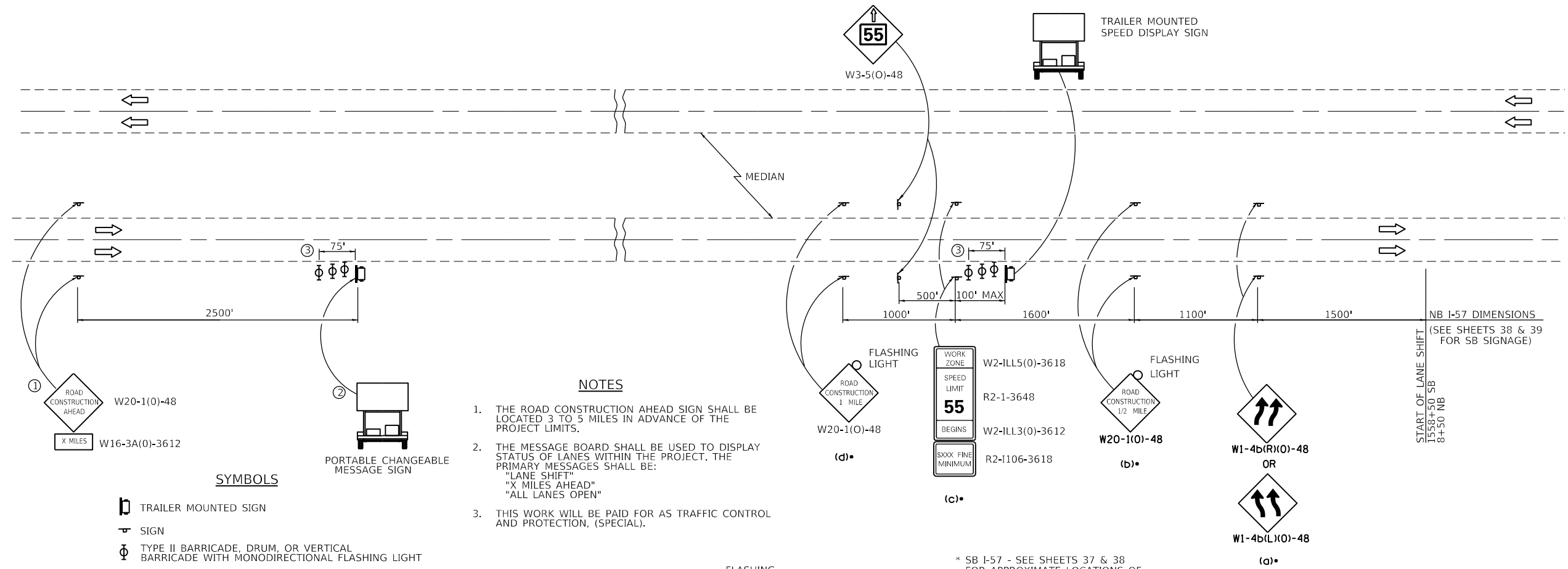
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT WESTMINSTER DRIVE STAGE II TRAFFIC PLAN

SCALE: 1" = 30' SHEET NO. 3 OF 6 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	36
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

DETAIL OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



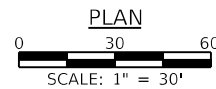
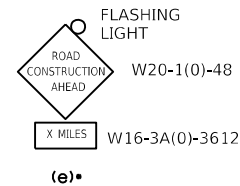
NOTES

1. THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
2. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
"LANE SHIFT"
"X MILES AHEAD"
"ALL LANES OPEN"
3. THIS WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

SYMBOLS

- TRAILER MOUNTED SIGN
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

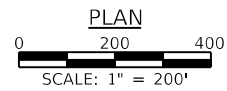
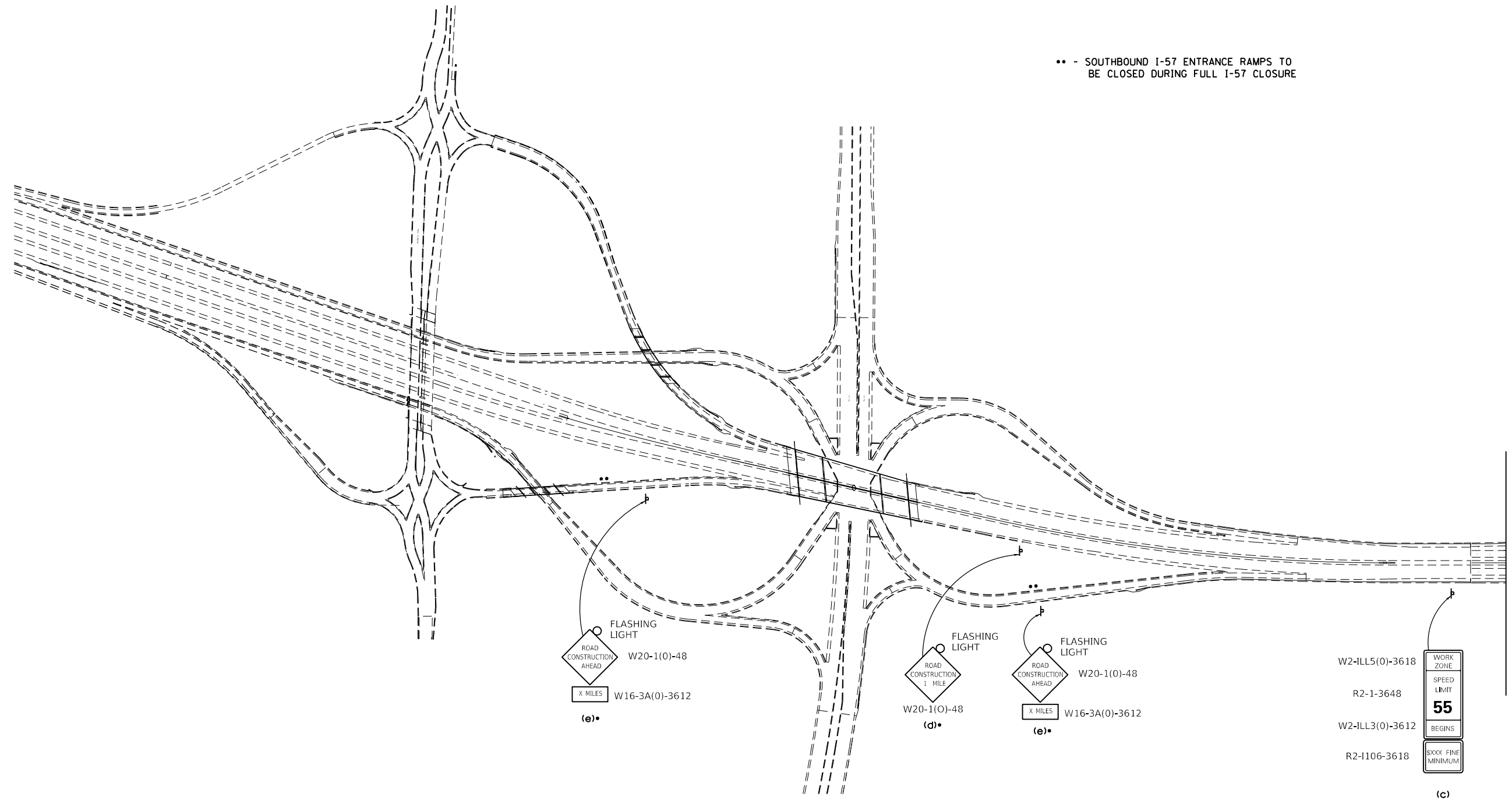
* SB I-57 - SEE SHEETS 37 & 38 FOR APPROXIMATE LOCATIONS OF THESE SIGNS



USER NAME =	DESIGNED -	REVISED -	
CHECKED -	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

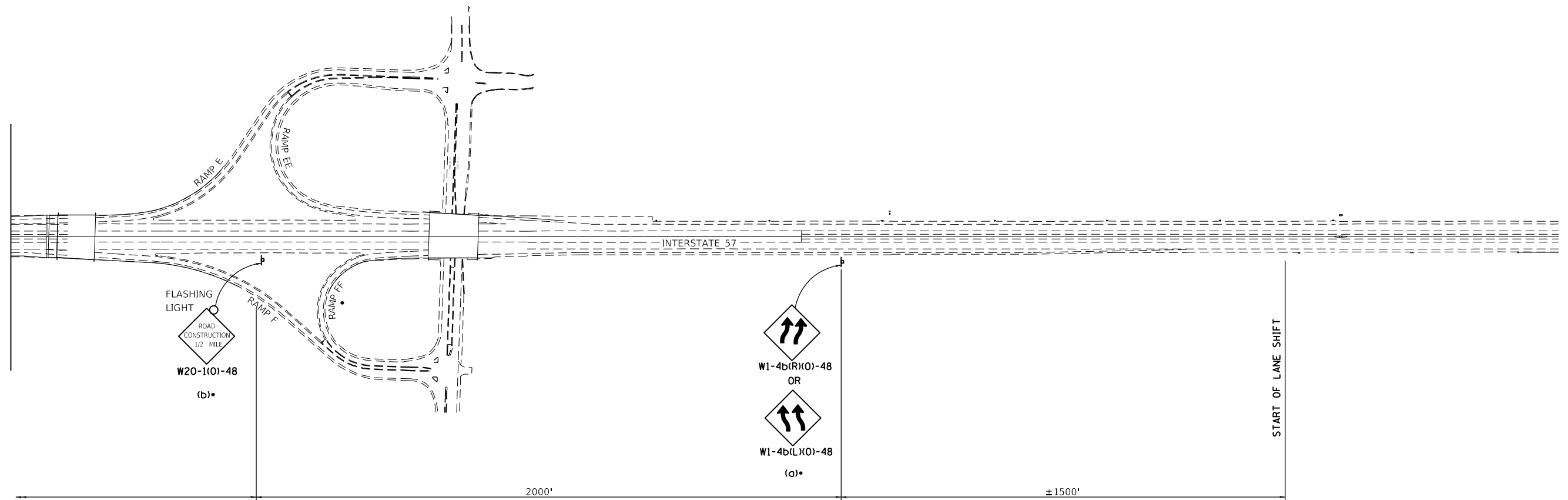
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	37
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

•• - SOUTHBOUND I-57 ENTRANCE RAMP TO BE CLOSED DURING FULL I-57 CLOSURE

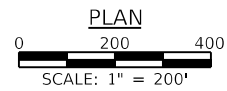


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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	38
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

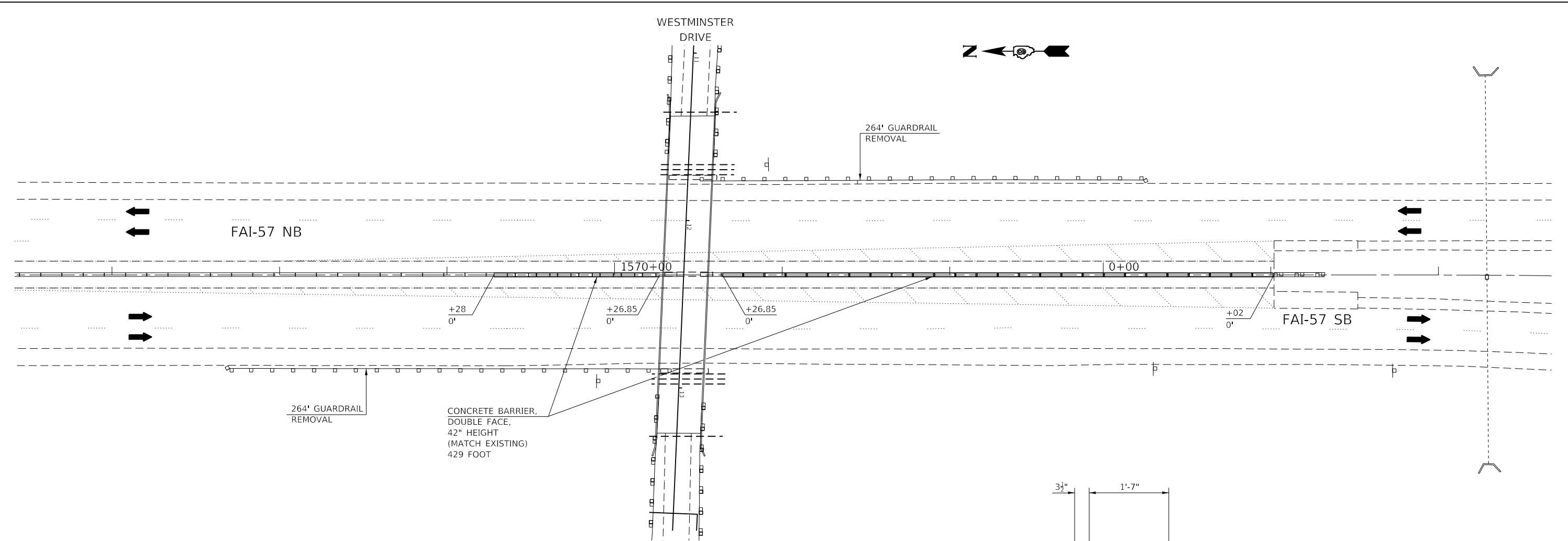


• CLOSE RAMP FF FOR PURPOSES OF STAGING TRAFFIC ON I-57 (STANDARD 701451-05) AND FOR FULL CLOSURE OF I-57.

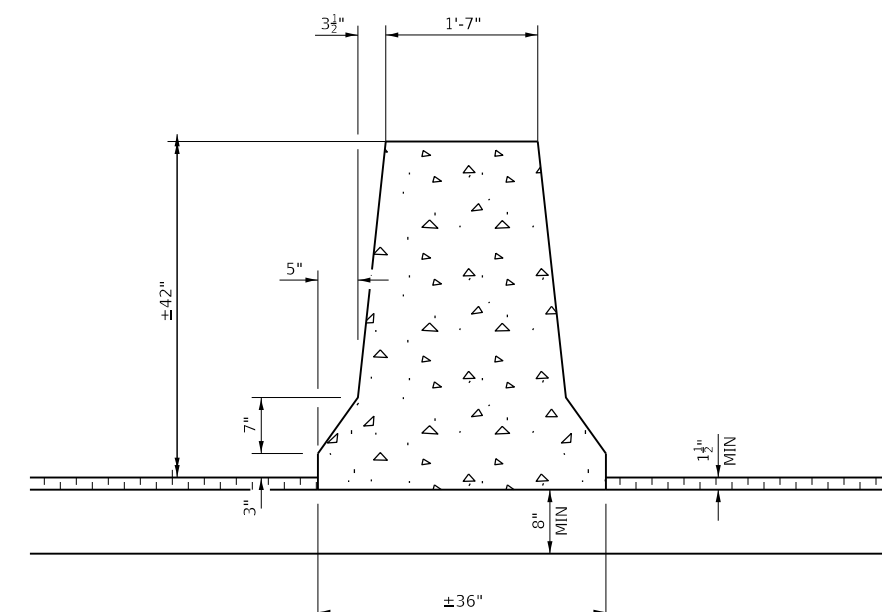


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PLOT DATE =	DRAWN -	REVISED -
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	39
CONTRACT NO. 78619				
		ILLINOIS	FED. AID PROJECT	

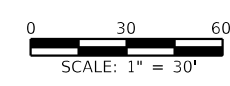


PLAN

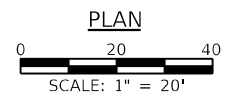
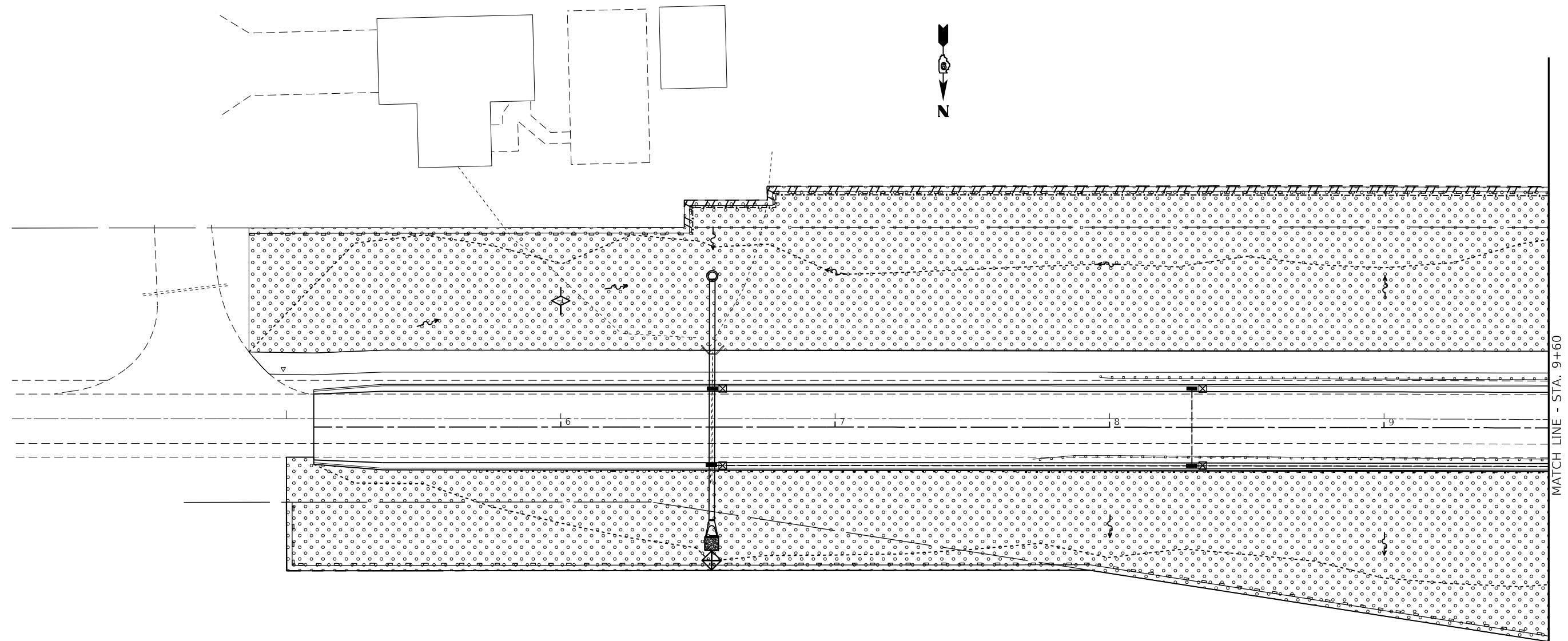


**CONCRETE BARRIER,
DOUBLE FACE,
42" HEIGHT**

CL STA 1569+28.00 TO CL STA 1570+26.85
CL STA 1570+64.35 TO CL STA 1+02.00
(MATCH EXISTING)



	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEDIAN DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -		57	(X1-6)HB-4	WILLIAMSON	135	40			
	PLOT DATE =	DRAWN -	REVISED -		CONTRACT NO. 78619			ILLINOIS	FED. AID PROJECT			
				SCALE: 1" = 30'		SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____				



- LEGEND**
- SEEDING, CLASS 2A & 7
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK
 - INLET PIPE PROTECTION
 - TEMPORARY CONSTRUCTION FENCE

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 IL. Design Firm No. 184-001939

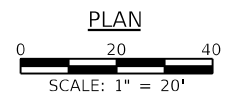
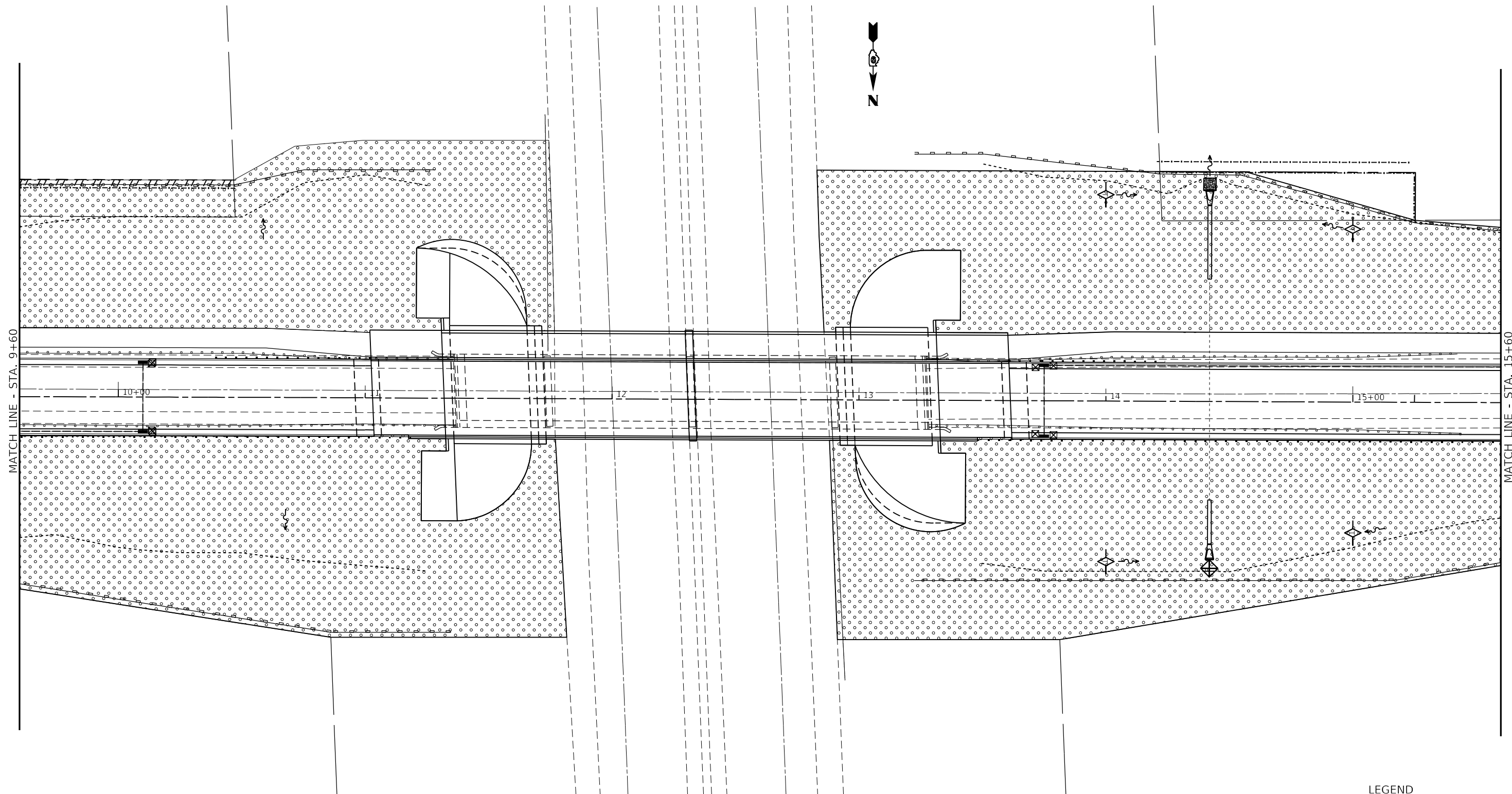
USER NAME =	DESIGNED -	REVISED -
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	41
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- SEEDING, CLASS 2A & 7
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK
 - INLET PIPE PROTECTION
 - TEMPORARY CONSTRUCTION FENCE

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

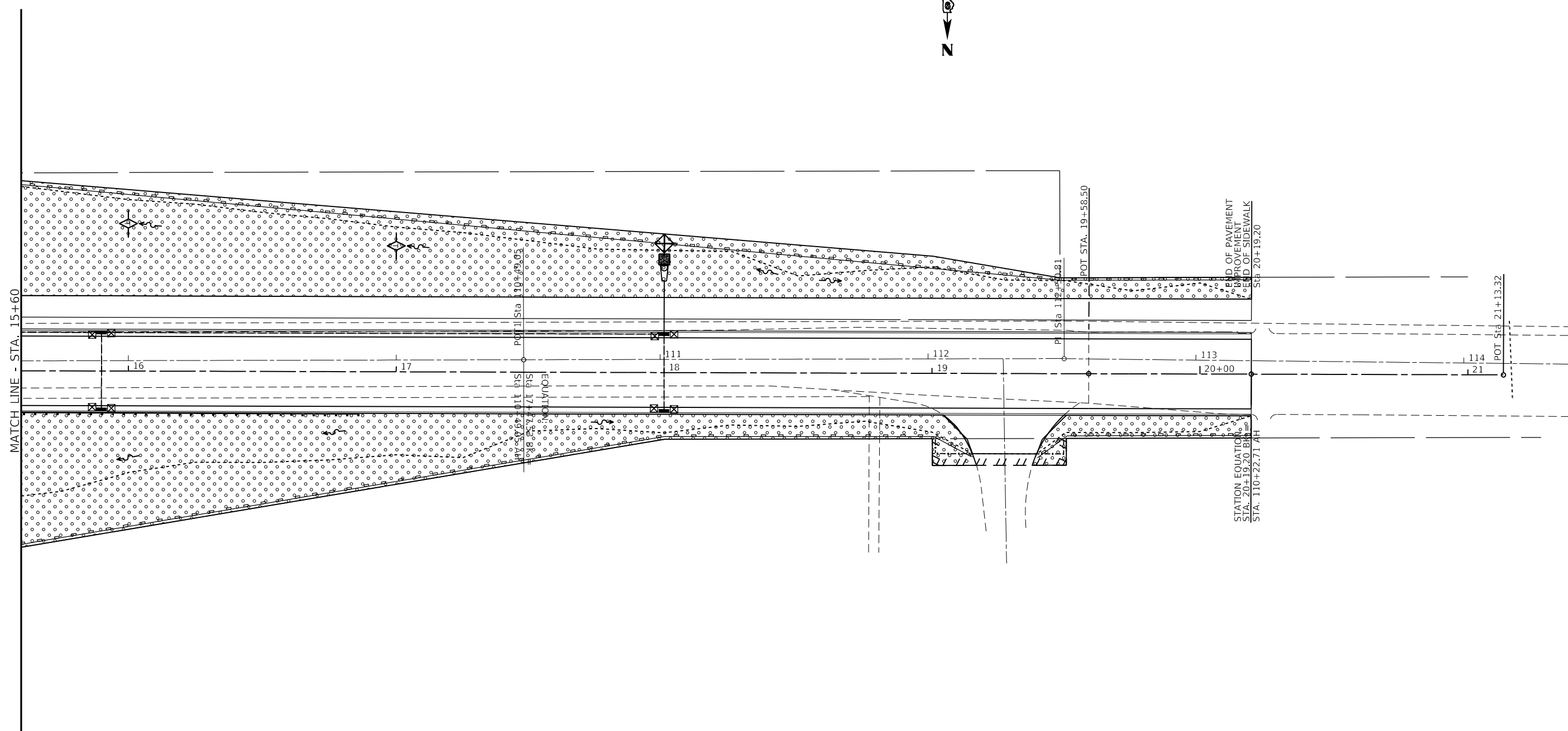
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PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

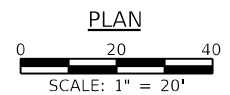
SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	42
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				



LEGEND

- SEEDING, CLASS 2A & 7
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET PIPE PROTECTION
- TEMPORARY CONSTRUCTION FENCE



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 IL. Design Firm No. 184-001939

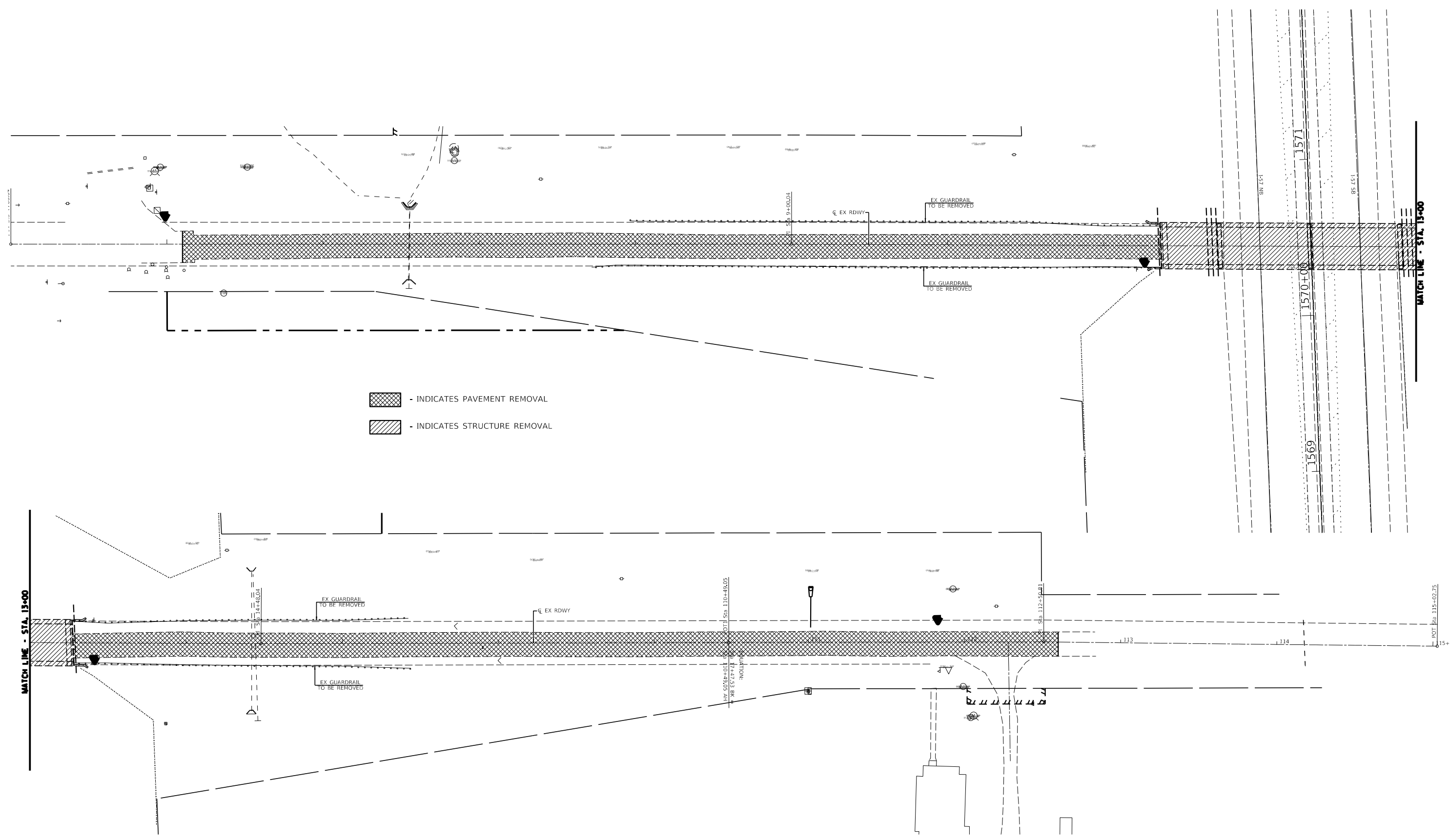
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PLOT DATE =	CHECKED -	REVISED -



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

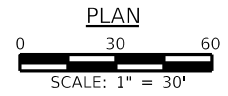
EROSION CONTROL PLAN

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	43
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				



 - INDICATES PAVEMENT REMOVAL
 - INDICATES STRUCTURE REMOVAL



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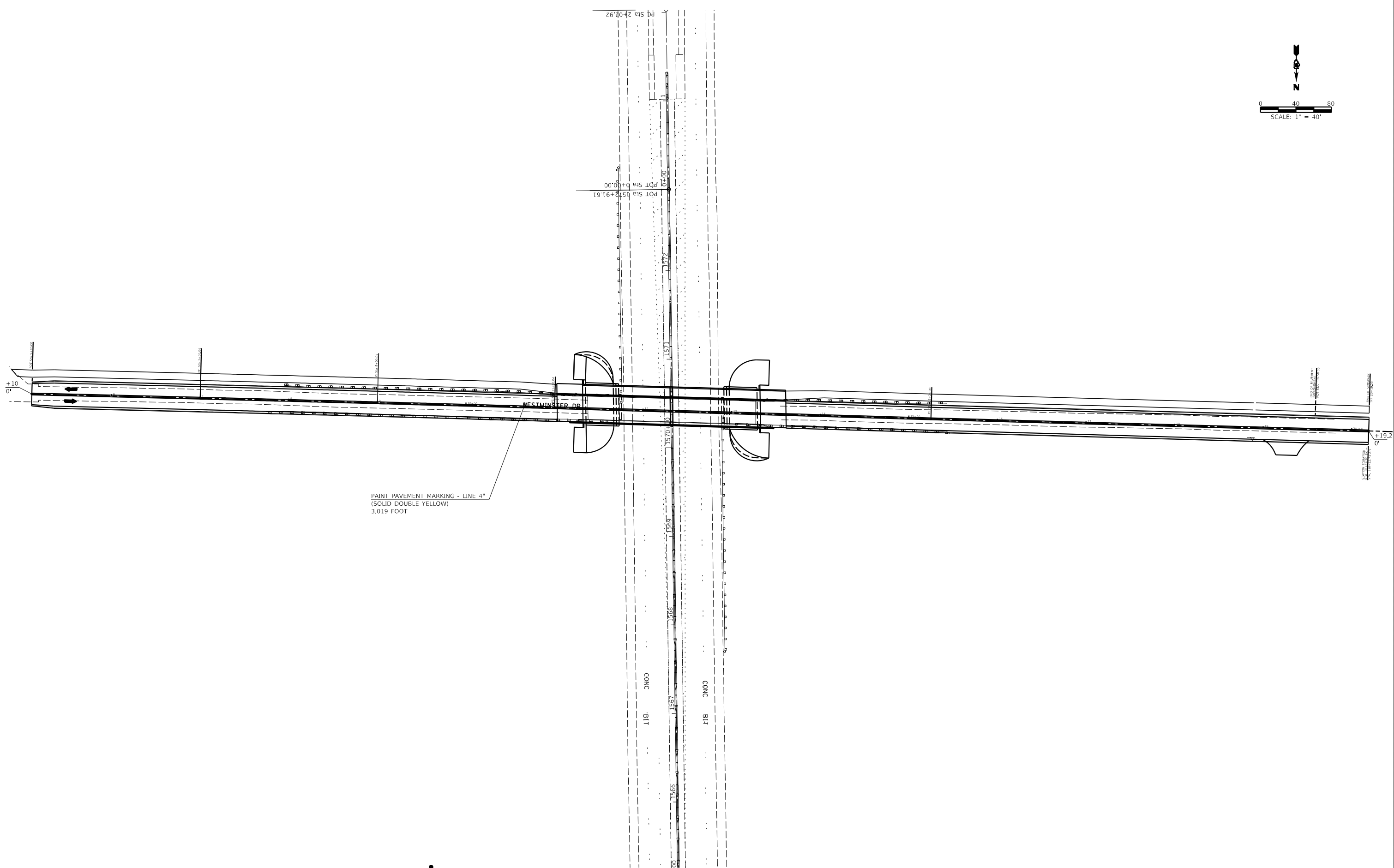
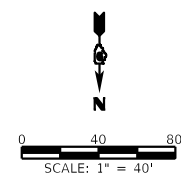
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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1" = 30' SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	44
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

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PLOT DATE = \$DATE\$	DATE - _____	REVISED - _____

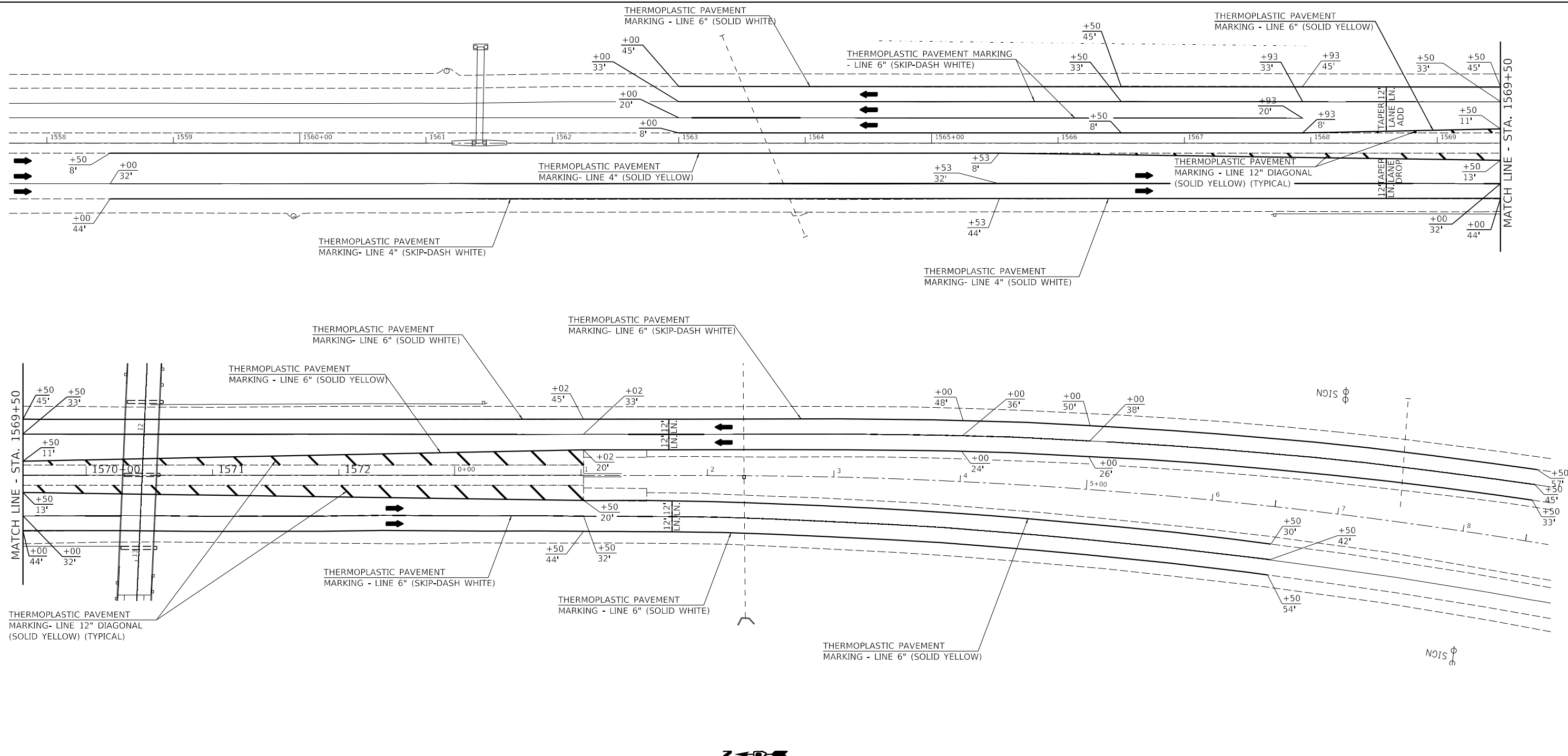
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	45
CONTRACT NO. 78619				

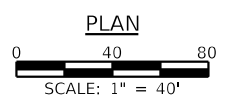
ILLINOIS FED. AID PROJECT



LEGEND

	REMOVAL ITEMS
	SIGN
	TYPE III BARRICADE
	DRUM WITH STEADY BURNING LIGHT
	BARRICADE WITH STEADY BURNING LIGHT
	TRAFFIC SIGNAL
	INDUCTION LOOP DETECTOR
	DOUBLE VERTICAL PANEL
	TYPE C BIDIRECTIONAL REFLECTOR
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATOR
	STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS

- GENERAL NOTES**
1. ALL TRAFFIC SIGNS SHALL BE POST MOUNTED.
 2. COORDINATE LOCATION OF SIGNS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
 3. ONE TYPE A LOW INTENSITY FLASHING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE ROAD CONSTRUCTION AHEAD WARNING SIGNS.
 4. ALL TRAFFIC CONTROL DEVICES SHOWN SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONSTRUCTOR.
 5. THE COST FOR TRAFFIC CONTROL SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN TRAFFIC CONTROL & PROTECTION (SPECIAL).
 6. ATTENUATOR BASES WHEN REQUIRED BY THE MANUFACTURER, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE TEMPORARY IMPACT ATTENUATORS.



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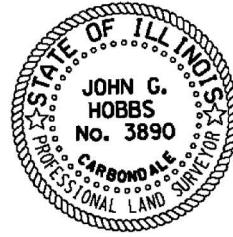
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-57 PAVEMENT MARKING PLAN
 AT WESTMINSTER DRIVE**

SCALE: 1" = 40' SHEET NO. OF SHEETS STA. 15+58 TO STA. 8+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	46
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



NE QUARTER SW QUARTER
SECTION 23
T. 9 S., R. 2 E., 3RD P.M.

JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2022.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

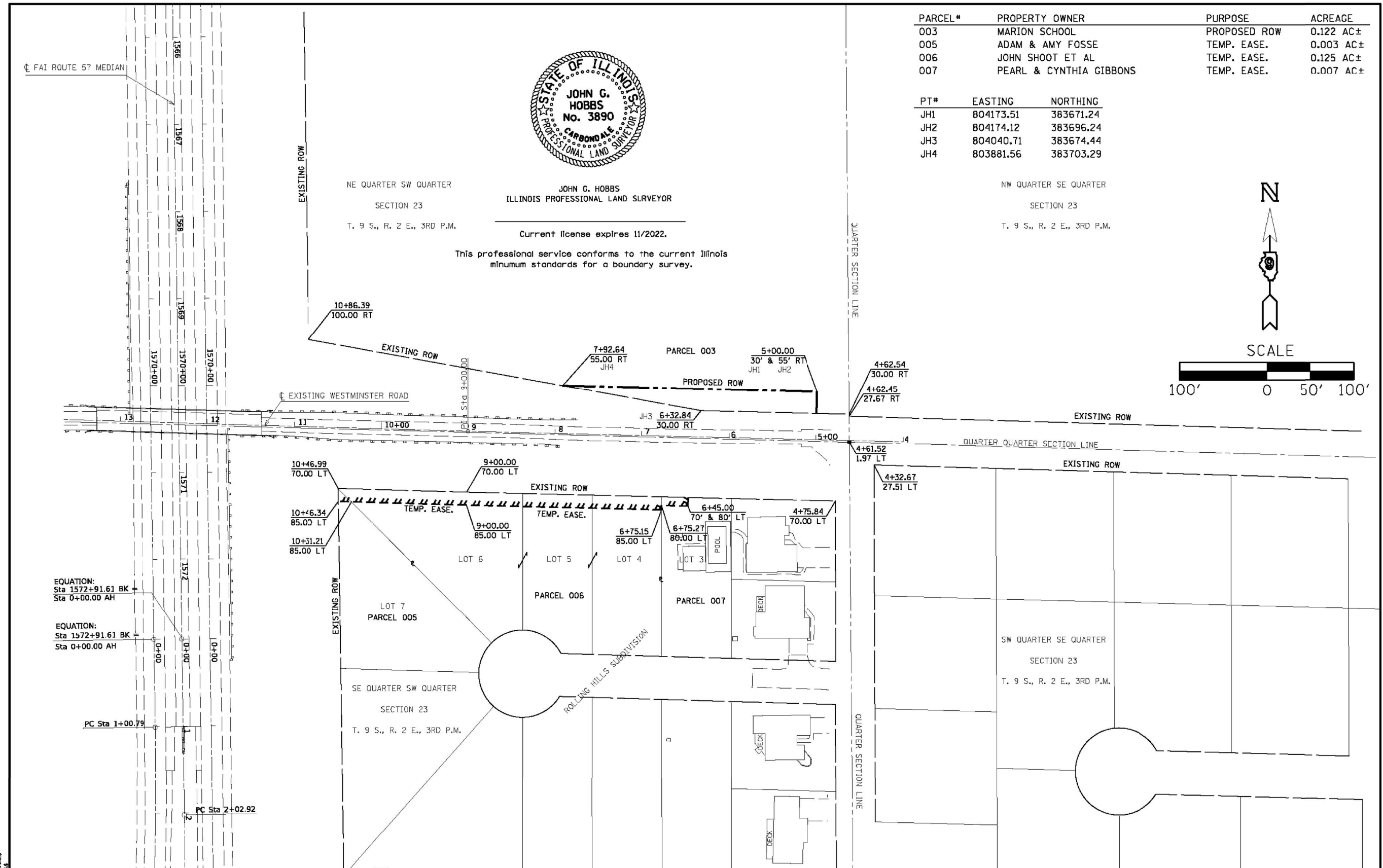
NW QUARTER SE QUARTER
SECTION 23
T. 9 S., R. 2 E., 3RD P.M.

PARCEL #	PROPERTY OWNER	PURPOSE	ACREAGE
003	MARION SCHOOL	PROPOSED ROW	0.122 AC±
005	ADAM & AMY FOSSE	TEMP. EASE.	0.003 AC±
006	JOHN SHOOT ET AL	TEMP. EASE.	0.125 AC±
007	PEARL & CYNTHIA GIBBONS	TEMP. EASE.	0.007 AC±

PT#	EASTING	NORTHING
JH1	804173.51	383671.24
JH2	804174.12	383696.24
JH3	804040.71	383674.44
JH4	803881.56	383703.29



SCALE



EQUATION:
Sta 1572+91.61 BK =
Sta 0+00.00 AH

EQUATION:
Sta 1572+91.61 BK =
Sta 0+00.00 AH

PC Sta 1+00.79

PC Sta 2+02.92

MODEL: \MODELS\AMES
FILE NAME: 78619

USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE	DRAWN -	REVISED -
PLOT DATE = \$DATE	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

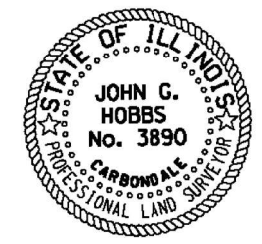
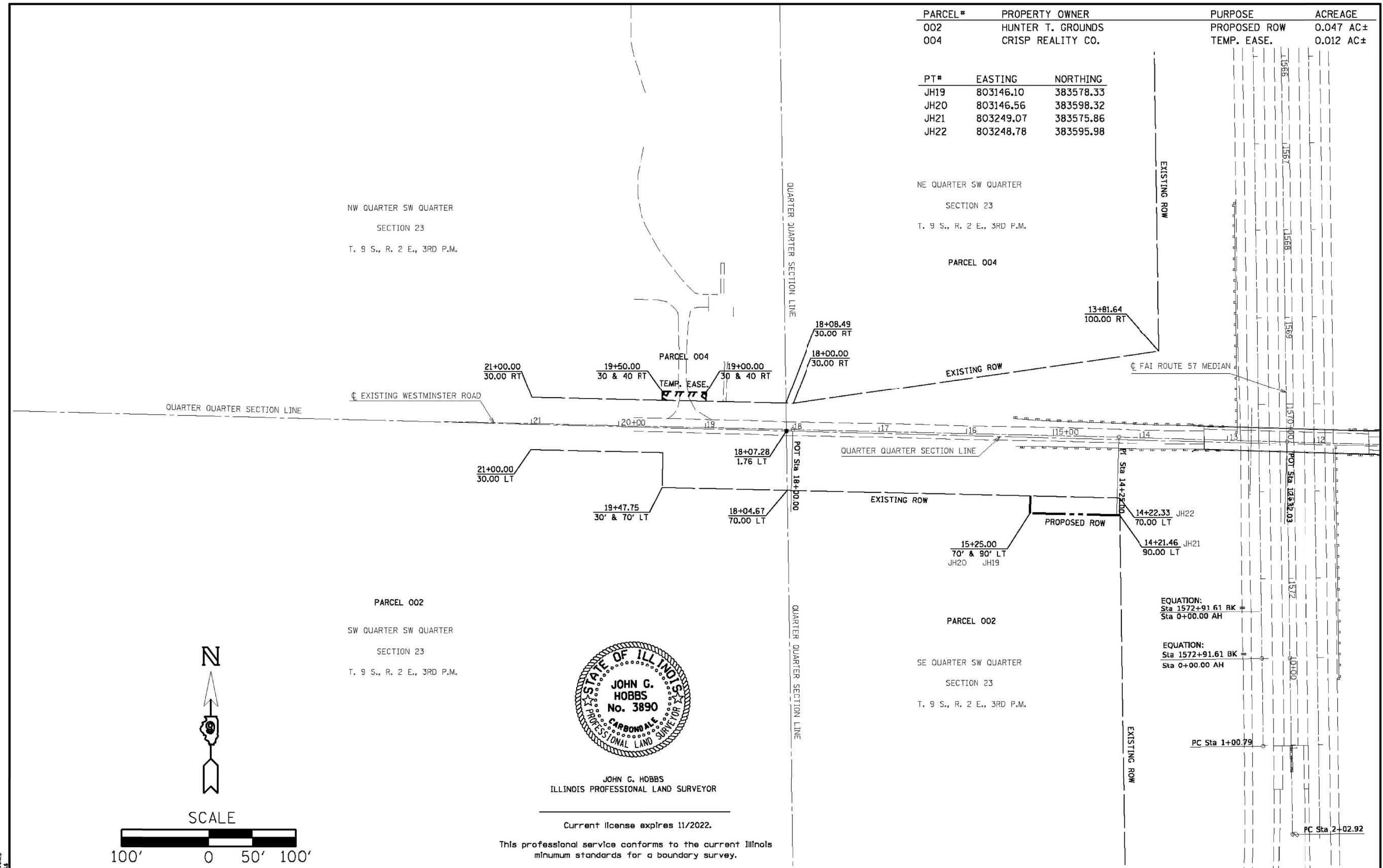
RIGHT OF WAY
WESTMINSTER ROAD

SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. 4+00.00 TO STA. 12+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	01-6HB-4(X1-7-1B-2	WILLIAMSON		
CONTRACT NO. 78619				
R-99-001-18 ILLINOIS FED. AID PROJECT				

PARCEL#	PROPERTY OWNER	PURPOSE	ACREAGE
002	HUNTER T. GROUNDS	PROPOSED ROW	0.047 AC±
004	CRISP REALITY CO.	TEMP. EASE.	0.012 AC±

PT#	EASTING	NORTHING
JH19	803146.10	383578.33
JH20	803146.56	383598.32
JH21	803249.07	383575.86
JH22	803248.78	383595.98



JOHN C. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2022.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

NAME: JACOB LAMAR
FILE NAME: 78619

USER NAME = \$USERS	DESIGNED -	REVISD -
PLOT SCALE = \$SCALE	DRAWN -	REVISD -
PLOT DATE = \$DATE	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY
WESTMINSTER ROAD
SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. 12+00.00 TO STA. 21+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	0X1-6HB-4(X1-7-1B-2	WILLIAMSON	135	48

CONTRACT NO. 78619

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

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PLOT SCALE =	DRAWN -	REVISD -
PLOT DATE =	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

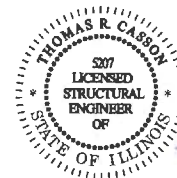
ROW PLAN
SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	48

CONTRACT NO. 78619

Bench Mark: BM 11B - Chiseled "□" on top of southeast wingwall of Structure 100-0055.
Station 11+29.8, 15' Lt. Elevation - 492.453

Existing Structure: SN 100-0055 was constructed in 1959 under Section X1-6HB-3 at Sta. 12+32.03.
The existing structure is a 4-span, haunched reinforced concrete deck girder bridge having a back-to-back abutment length of 191'-6" and a 24'-0" face-to-face of curb and 29'-8" out-to-out of deck at a 2°30' right forward skew.
The superstructure consists of a reinforced concrete slab supported by four haunched concrete T-beams. The substructure consists of reinforced concrete pile bent abutments supported by steel piles and hammerhead piers on reinforced concrete spread footings. The structure will be replaced under road closure.
No salvage.

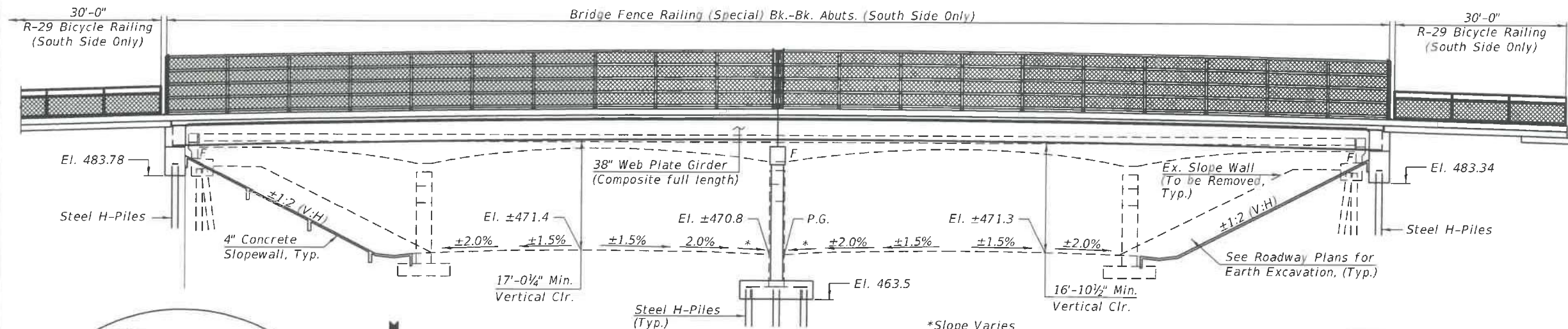


3/21/2022
Expires: 11/30/2022

APPROVED
For Structural Adequacy Only
Jayne F. Schell
Engineer of Bridges & Structures

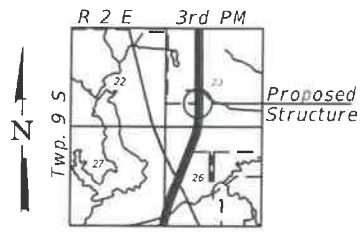
INDEX OF SHEETS

- 1 - General Plan and Elevation
- 2 - General Data
- 3-4 - Top of Slab Elevations
- 5 - Top of East Approach Slab Elevations
- 6 - Top of West Approach Slab Elevations
- 7 - Superstructure
- 8-9 - Superstructure Details
- 10 - Integral Abutment Diaphragm Details
- 11-12 - Bridge Approach Slab Details - E. Abut.
- 13-14 - Bridge Approach Slab Details - W. Abut.
- 15 - Bicycle Railing
- 16 - Bridge Fence Railing (Special)
- 17 - Fence and Railing Spacing
- 18 - Structural Steel
- 19-20 - Structural Steel Details
- 21 - East Abutment
- 22 - West Abutment
- 23 - Pier
- 24 - Braced Excavation Details
- 25 - HP Pile Details
- 26-28 - Boring Logs
- 29-33 - Existing Structure Plans

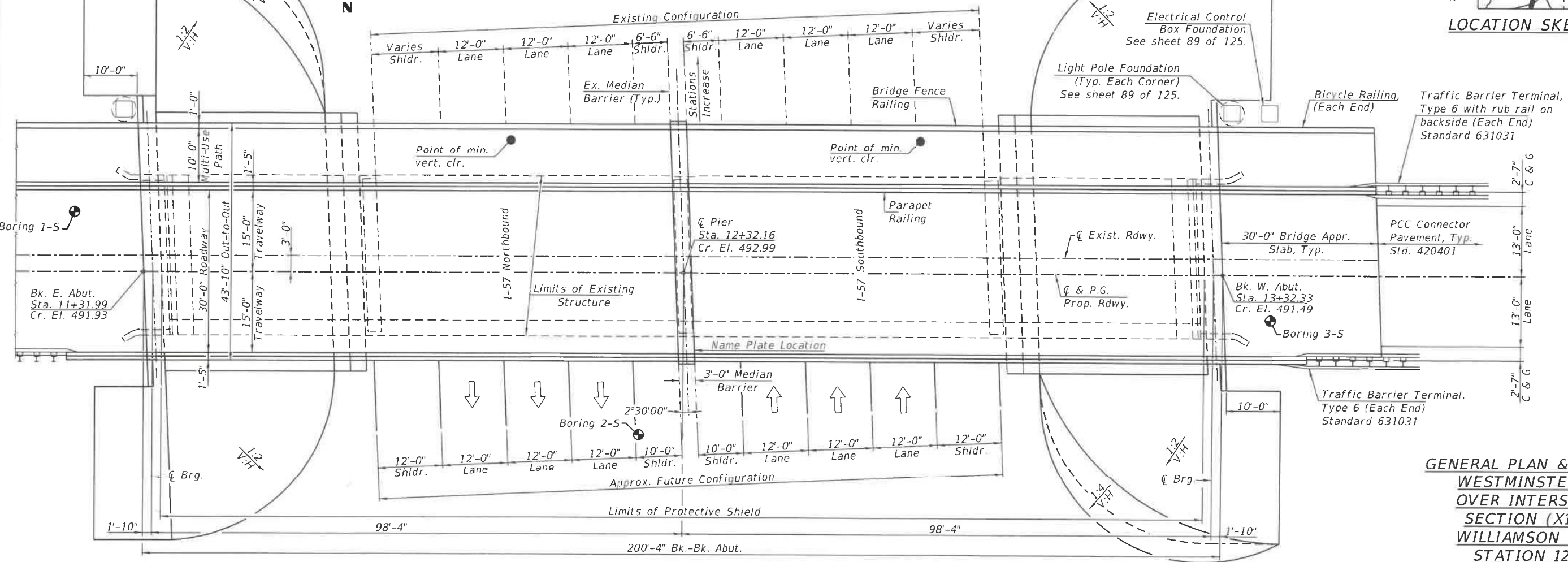


ELEVATION

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.



LOCATION SKETCH



PLAN

**GENERAL PLAN & ELEVATION
WESTMINSTER DRIVE
OVER INTERSTATE 57
SECTION (X1-6)HB-4
WILLIAMSON COUNTY
STATION 12+32.16
STRUCTURE NO. 100-0104**

MODEL: 78619-01
FILE NAME: Z10 V and K Jobs\5244-002 Westminister Road over I-57 Williamson County Phase 1\CADD Sheets\5244-002-sht-structure.dgn
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Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

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PLOT DATE = 1-11-2022	DRAWN - JRP	REVISIONS -
	CHECKED -	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
STRUCTURE NO. 100-0104**

SHEET 1 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	49
CONTRACT NO. 78619				

ILLINOIS FED. AID PROJECT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1		1
Protective Shield	Sq. Yd.		940	940
Structure Excavation	Cu. Yd.		210	210
Concrete Structures	Cu. Yd.		196.6	196.6
Concrete Superstructure	Cu. Yd.	336.6		336.6
Bridge Deck Grooving	Sq. Yd.	1034		1034
Protective Coat	Sq. Yd.	1552		1552
Concrete Superstructure (Approach Slab)	Cu. Yd.	122.2		122.2
Furnishing & Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4032		4032
Reinforcement Bars, Epoxy Coated	Pound	135,630	29,160	164,790
Bicycle Railing	Foot	60		60
Parapet Railing	Foot	257		257
Slope Wall 4 Inch	Sq. Yd.		1104	1104
Furnishing Steel Piles HP 14x117	Foot		1214	1214
Driving Piles	Foot		1214	1214
Test Pile Steel HP14x117	Each		3	3
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		42	42
Granular Backfill for Structures	Cu. Yd.		142	142
Geocomposite Wall Drain	Sq. Yd.		66	66
Braced Excavation	Cu. Yd.		199	199
Pipe Underdrains for Structures 4"	Foot		177	177
Bridge Fence Railing (Special)	Foot		197	197

LOADING HL-93

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

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition.

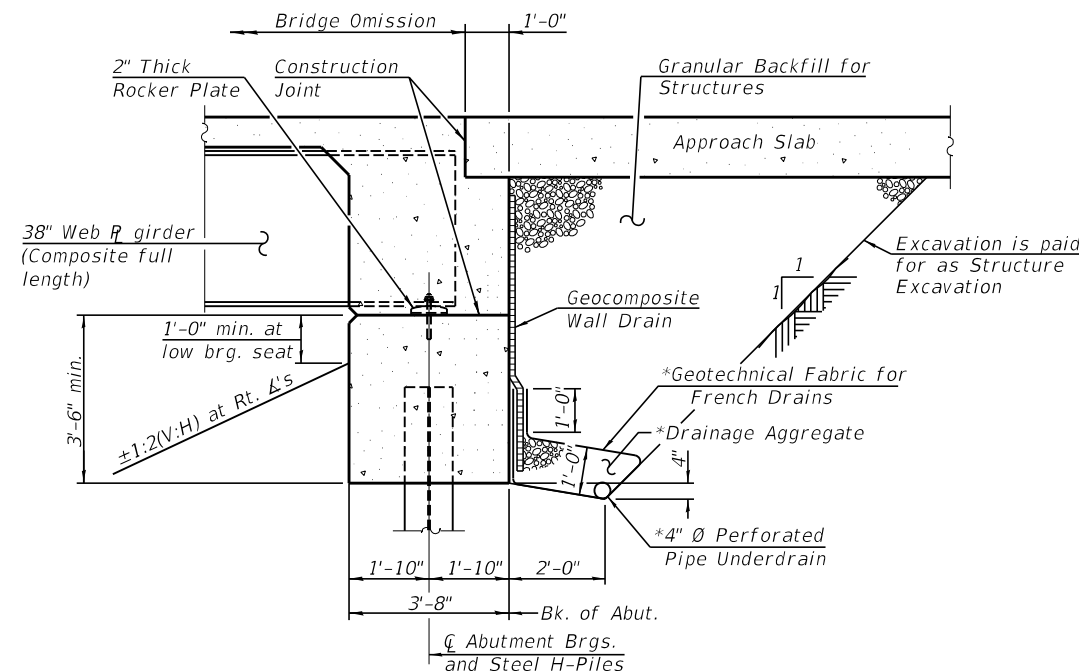
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.280 g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.768 g
 Soil Site Class = C

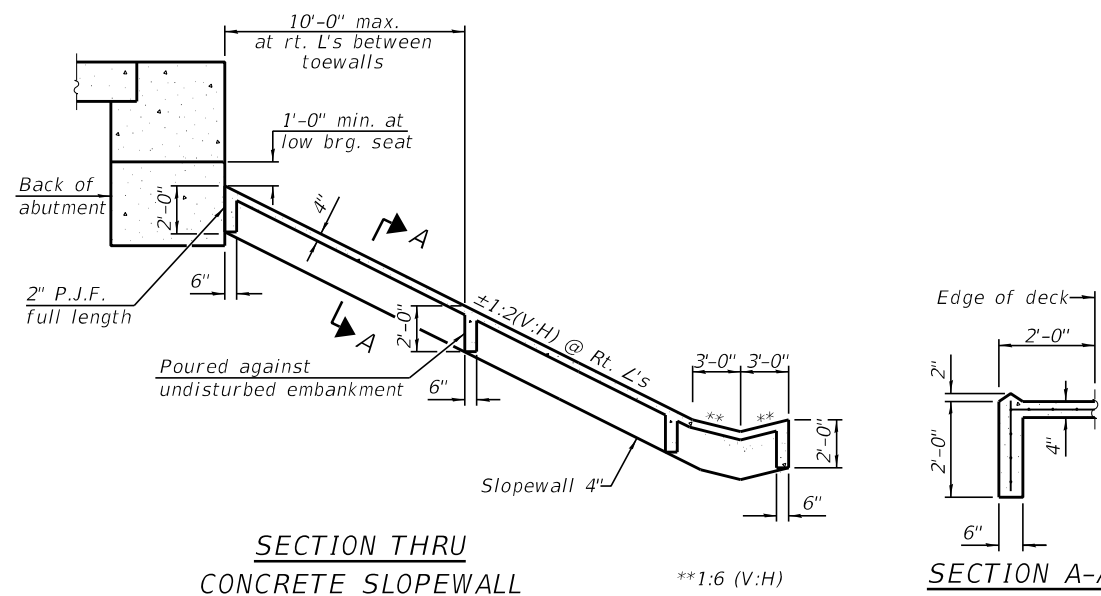


SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:

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 601101).



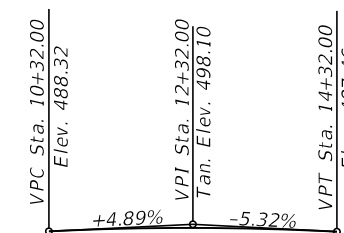
SECTION THRU CONCRETE SLOPEWALL

**1:6 (V:H)

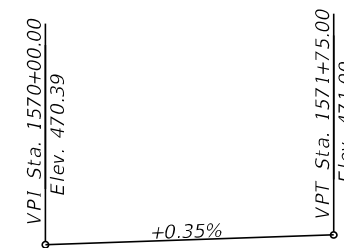
SECTION A-A

Note:

Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 Lbs. per 100 sq. ft.



PROFILE GRADE
(Along \bar{C} Westminster Drive)



PROFILE GRADE
(Along NB & SB I-57)
(Edge of Median Barrier Wall)
(Stations increase North to South)

GENERAL NOTES

Fasteners shall be ASTM F3125 Grade A325 Type 1. Bolts $\frac{7}{8}$ -in. \emptyset , holes $\frac{15}{16}$ -in. \emptyset , unless otherwise noted. Fasteners shall be hot-dip galvanized. See special provision for "Hot-Dip" Galvanizing for Structural Steel".

Calculated weight of Structural Steel = 361,035 pounds (AASHTO M270 Grade 50)
 15,735 pounds (AASHTO M270 Grade 36)

No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ " (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Removal of existing concrete slope walls shall be included in the cost of Removal of Existing Structures.

The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Munsell No. 5.5R 3.3/11.1.

Slip forming of the parapets is not allowed. Contractor shall refer to aesthetic drawings for information on all aesthetic treatments, component requirements, and dimensions. Nominal structural dimensions shown in bridge plans shall be supplemented to conform with the aesthetic drawings.

Contact District 9 Program Development for the Military Service Trademark approval documentation for use of the Military Service Marks.

STATION 12+32.16
 BUILT 202_ BY
 STATE OF ILLINOIS
 WESTMINSTER DRIVE
 SECTION (X1-6)HB-4
 LOADING HL-93
 STRUCTURE NO. 100-0104

NAME PLATE
 Std. 515001

MODEL: 78619-02
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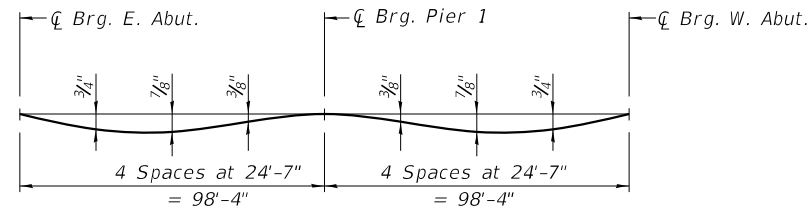
 Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939	USER NAME =	DESIGNED - KS	REVISED -
	PLOT SCALE =	CHECKED - TRC	REVISED - 4/21/2022
	PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 100-0104

SHEET 2 OF 33 SHEETS

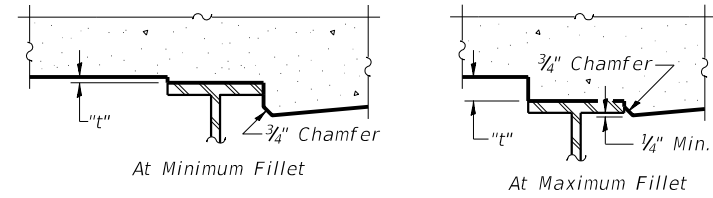
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	145	50
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



DEAD LOAD DEFLECTION DIAGRAM

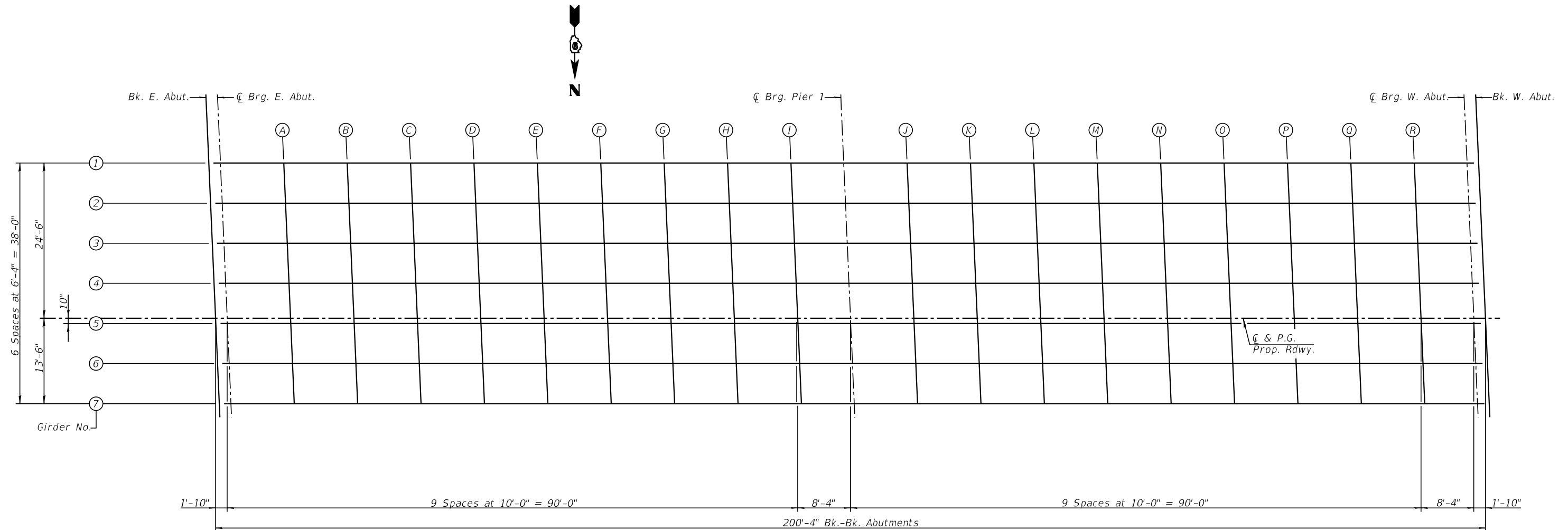
(Includes weight of concrete only.)

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 Sheet 4 of 33.



To determine "t": After all structural steel has 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 Deflection" shown on Sheet 4 of 33, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

MODEL: SMODELNAMES
FILE NAME: SFILES

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KS	REVISED -
	CHECKED - TRC	REVISED -
PLOT SCALE =	DRAWN - JRP	REVISED -
PLOT DATE = 1-11-2022	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 100-0104**

SHEET 3 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	51
CONTRACT NO. 78619				

ILLINOIS FED. AID PROJECT

SDATES \$TIMES

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut.	11+30.92	-24.5	491.54	491.54
☉ Brg. E. Abut.	11+32.76	-24.5	491.58	491.58
A	11+42.76	-24.5	491.80	491.83
B	11+52.76	-24.5	492.00	492.05
C	11+62.76	-24.5	492.16	492.23
D	11+72.76	-24.5	492.31	492.39
E	11+82.76	-24.5	492.42	492.49
F	11+92.76	-24.5	492.52	492.58
G	12+02.76	-24.5	492.58	492.62
H	12+12.76	-24.5	492.62	492.64
I	12+22.76	-24.5	492.64	492.65
☉ Brg. Pier	12+31.09	-24.5	492.63	492.63
J	12+41.09	-24.5	492.60	492.61
K	12+51.09	-24.5	492.54	492.56
L	12+61.09	-24.5	492.46	492.50
M	12+71.09	-24.5	492.35	492.41
N	12+81.09	-24.5	492.21	492.28
O	12+91.09	-24.5	492.05	492.13
P	13+01.09	-24.5	492.87	491.94
Q	13+11.09	-24.5	492.66	491.71
R	13+21.09	-24.5	491.42	491.44
☉ Brg. W. Abut.	13+29.42	-24.5	491.21	491.21
Bk. West Abut.	13+31.26	-24.5	491.16	491.16

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut.	11+31.20	-18.17	491.64	491.64
☉ Brg. E. Abut.	11+33.04	-18.17	491.69	491.69
A	11+43.04	-18.17	491.90	491.93
B	11+53.04	-18.17	492.10	492.15
C	11+63.04	-18.17	492.26	492.33
D	11+73.04	-18.17	492.41	492.49
E	11+83.04	-18.17	492.52	492.59
F	11+93.04	-18.17	492.61	492.67
G	12+03.04	-18.17	492.68	492.72
H	12+13.04	-18.17	492.72	492.74
I	12+23.04	-18.17	492.73	492.74
☉ Brg. Pier	12+31.37	-18.17	492.72	492.72
J	12+41.37	-18.17	492.69	492.70
K	12+51.37	-18.17	492.63	492.65
L	12+61.37	-18.17	492.55	492.59
M	12+71.37	-18.17	492.44	492.50
N	12+81.37	-18.17	492.31	492.38
O	12+91.37	-18.17	492.15	492.23
P	13+01.37	-18.17	491.96	492.03
Q	13+11.37	-18.17	491.75	491.80
R	13+21.37	-18.17	491.51	491.54
☉ Brg. W. Abut.	13+29.70	-18.17	491.29	491.29
Bk. West Abut.	13+31.53	-18.17	491.24	491.24

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+31.48	-11.83	491.74	491.74
☉ Brg. E. Abut.	11+33.31	-11.83	491.79	491.79
A	11+43.31	-11.83	492.00	492.03
B	11+53.31	-11.83	492.20	492.25
C	11+63.31	-11.83	492.36	492.43
D	11+73.31	-11.83	492.50	492.58
E	11+83.31	-11.83	492.62	492.69
F	11+93.31	-11.83	492.71	492.77
G	12+03.31	-11.83	492.77	492.81
H	12+13.31	-11.83	492.81	492.83
I	12+23.31	-11.83	492.83	492.84
☉ Brg. Pier	12+31.64	-11.83	492.82	492.82
J	12+41.64	-11.83	492.78	492.79
K	12+51.64	-11.83	492.73	492.75
L	12+61.64	-11.83	492.64	492.68
M	12+71.64	-11.83	492.53	492.59
N	12+81.64	-11.83	492.40	492.47
O	12+91.64	-11.83	492.24	492.32
P	13+01.64	-11.83	492.05	492.12
Q	13+11.64	-11.83	491.84	491.89
R	13+21.64	-11.83	491.60	491.62
☉ Brg. W. Abut.	13+29.98	-11.83	491.38	491.38
Bk. West Abut	13+31.81	-11.83	491.33	491.33

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+31.75	-5.5	491.85	491.85
☉ Brg. E. Abut.	11+33.59	-5.5	491.89	491.89
A	11+43.59	-5.5	492.11	492.14
B	11+53.59	-5.5	492.30	492.35
C	11+63.59	-5.5	492.46	492.53
D	11+73.59	-5.5	492.60	492.68
E	11+83.59	-5.5	492.72	492.79
F	11+93.59	-5.5	492.81	492.87
G	12+03.59	-5.5	492.87	492.91
H	12+13.59	-5.5	492.91	492.93
I	12+23.59	-5.5	492.92	492.93
☉ Brg. Pier	12+31.92	-5.5	492.91	492.91
J	12+41.92	-5.5	492.88	492.89
K	12+51.92	-5.5	492.82	492.84
L	12+61.92	-5.5	492.73	492.77
M	12+71.92	-5.5	492.62	492.68
N	12+81.92	-5.5	492.49	492.56
O	12+91.92	-5.5	492.33	492.41
P	13+01.92	-5.5	492.14	492.21
Q	13+11.92	-5.5	491.93	491.98
R	13+21.92	-5.5	491.69	491.71
☉ Brg. W. Abut.	13+30.25	-5.5	491.47	491.47
Bk. West Abut	13+32.09	-5.5	491.42	491.42

CENTERLINE & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+31.99	0	491.93	491.93
☉ Brg. E. Abut.	11+33.83	0	491.98	491.98
A	11+43.83	0	492.19	492.22
B	11+53.83	0	492.38	492.43
C	11+63.83	0	492.55	492.62
D	11+73.83	0	492.69	492.77
E	11+83.83	0	492.80	492.87
F	11+93.83	0	492.89	492.95
G	12+03.83	0	492.95	492.99
H	12+13.83	0	492.99	493.01
I	12+23.83	0	493.00	493.01
☉ Brg. Pier	12+32.16	0	492.99	492.99
J	12+42.16	0	492.96	492.97
K	12+52.16	0	492.90	492.92
L	12+62.16	0	492.81	492.85
M	12+72.16	0	492.70	492.76
N	12+82.16	0	492.57	492.64
O	12+92.16	0	492.40	492.48
P	13+02.16	0	492.22	492.29
Q	13+12.16	0	492.00	492.05
R	13+22.16	0	491.76	492.76
☉ Brg. W. Abut.	13+30.49	0	491.55	491.55
Bk. West Abut	13+32.33	0	491.49	491.49

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+32.03	0.83	491.92	491.92
☉ Brg. E. Abut.	11+33.86	0.83	491.96	491.96
A	11+43.86	0.83	492.18	492.21
B	11+53.86	0.83	492.37	492.42
C	11+63.86	0.83	492.54	492.61
D	11+73.86	0.83	492.68	492.76
E	11+83.86	0.83	492.79	492.86
F	11+93.86	0.83	492.88	492.94
G	12+03.86	0.83	492.94	492.98
H	12+13.86	0.83	492.98	493.00
I	12+23.86	0.83	493.99	493.00
☉ Brg. Pier	12+32.20	0.83	492.98	492.98
J	12+42.20	0.83	492.95	492.96
K	12+52.20	0.83	492.89	492.91
L	12+62.20	0.83	492.80	492.84
M	12+72.20	0.83	492.69	492.75
N	12+82.20	0.83	492.55	492.62
O	12+92.20	0.83	492.39	492.47
P	13+02.20	0.83	492.26	492.27
Q	13+12.20	0.83	491.99	492.04
R	13+22.20	0.83	491.75	491.77
☉ Brg. W. Abut.	13+30.53	0.83	491.53	491.53
Bk. West Abut	13+32.36	0.83	491.48	491.48

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+32.31	7.17	491.83	491.83
☉ Brg. E. Abut.	11+34.14	7.17	491.88	491.88
A	11+44.14	7.17	492.09	492.12
B	11+54.14	7.17	492.28	492.33
C	11+64.14	7.17	492.45	492.52
D	11+74.14	7.17	492.58	492.66
E	11+84.14	7.17	492.70	492.77
F	11+94.14	7.17	492.79	492.85
G	12+04.14	7.17	492.85	492.89
H	12+14.14	7.17	492.89	492.91
I	12+24.14	7.17	492.90	492.91
☉ Brg. Pier	12+32.47	7.17	492.89	492.89
J	12+42.47	7.17	492.85	492.86
K	12+52.47	7.17	492.79	492.81
L	12+62.47	7.17	492.70	492.74
M	12+72.47	7.17	492.59	492.65
N	12+82.47	7.17	492.45	492.52
O	12+92.47	7.17	492.29	492.37
P	13+02.47	7.17	492.10	492.17
Q	13+12.47	7.17	491.89	491.94
R	13+22.47	7.17	491.65	491.67
☉ Brg. W. Abut.	13+30.81	7.17	491.43	491.43
Bk. West Abut	13+32.64	7.17	491.38	491.38

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. East Abut	11+32.58	13.5	491.74	491.74
☉ Brg. E. Abut.	11+34.42	13.5	491.79	491.79
A	11+44.42	13.5	492.00	492.03
B	11+54.42	13.5	492.19	492.24
C	11+64.42	13.5	492.35	492.42
D	11+74.42	13.5	492.49	492.57
E	11+84.42	13.5	492.61	492.68
F	11+94.42	13.5	492.69	492.75
G	12+04.42	13.5	492.75	492.79
H	12+14.42	13.5	492.79	492.81
I	12+24.42	13.5	492.80	492.81
☉ Brg. Pier	12+32.75	13.5	492.79	492.79
J	12+42.75	13.5	492.75	492.76
K	12+52.75	13.5	492.69	492.71
L	12+62.75	13.5	492.61	492.65
M	12+72.75	13.5	492.49	492.55
N	12+82.75	13.5	492.35	492.42
O	12+92.75	13.5	492.19	492.27
P	13+02.75	13.5	492.00	492.07
Q	13+12.75	13.5	491.79	491.84
R	13+22.75	13.5	491.55	491.57
☉ Brg. W. Abut.	13+31.08	13.5	491.33	491.33
Bk. West Abut	13+32.92	13.5	491.28	491.28

MODEL: S:\MODEL\NAMES
FILE NAME: SFILES



USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 100-0104

SHEET 4 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	52
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+03.64	15.00	490.93
A1	11+13.64	15.00	491.23
A2	11+23.64	15.00	491.49
W. End of E. Appr.	11+33.64	15.00	491.74

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+03.56	13.00	490.96
A1	11+13.56	13.00	491.25
A2	11+23.56	13.00	491.52
W. End of E. Appr.	11+33.56	13.00	491.76

CL ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+02.99	0.000	491.14
A1	11+12.99	0.000	491.43
A2	11+22.99	0.000	491.70
W. End of E. Appr.	11+32.99	0.000	491.95

SOUTH EDGE OF ROADWAY

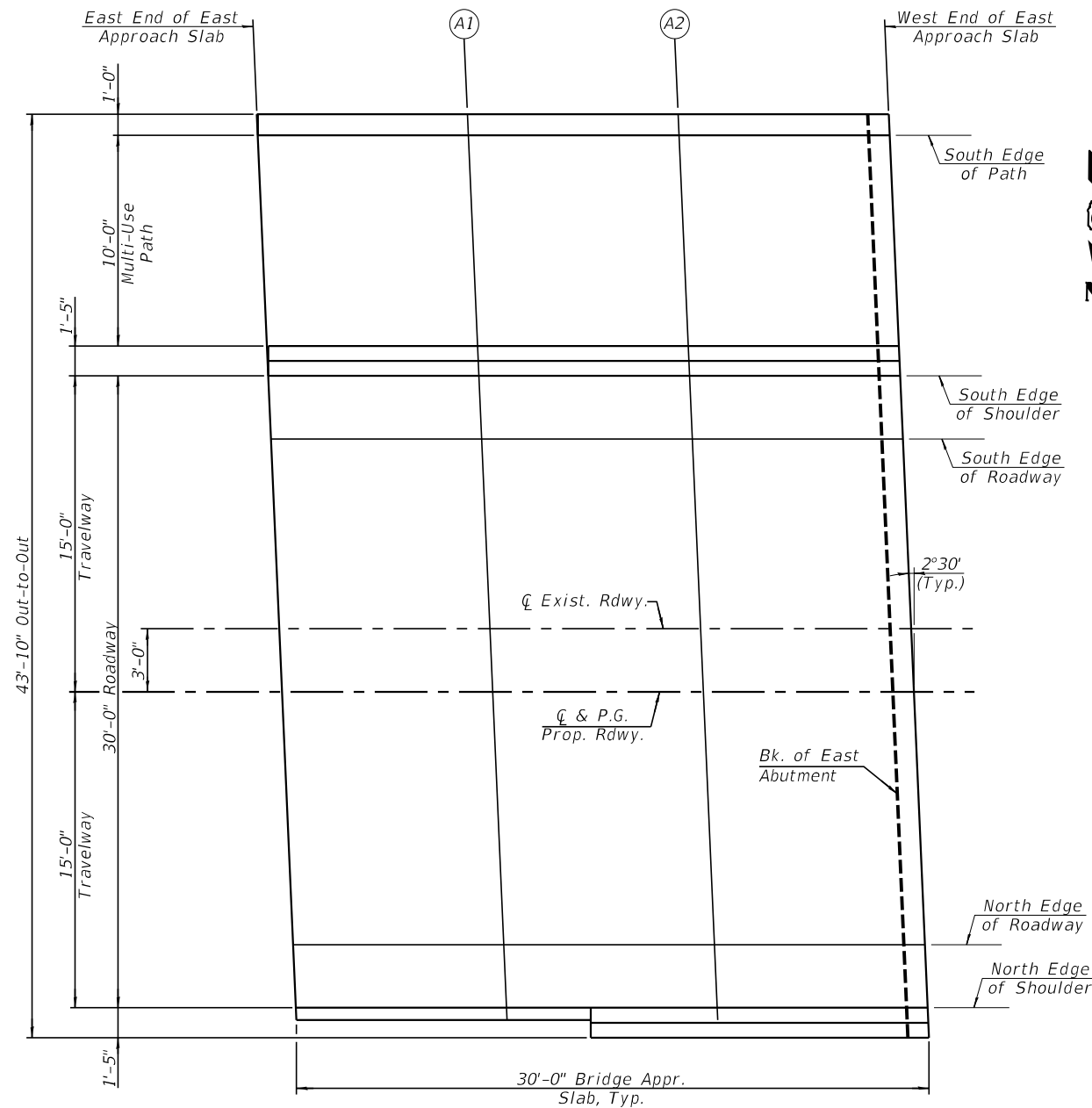
Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+02.42	-13.000	490.93
A1	11+12.42	-13.000	491.22
A2	11+22.42	-13.000	491.49
W. End of E. Appr.	11+32.42	-13.000	491.74

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+02.34	-15.000	490.89
A1	11+12.34	-15.000	491.19
A2	11+22.34	-15.000	491.46
W. End of E. Appr.	11+32.34	-15.000	491.71

SOUTH EDGE OF PATH

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr.	11+01.84	-26.417	490.72
A1	11+11.84	-26.417	491.01
A2	11+21.84	-26.417	491.29
W. End of E. Appr.	11+31.84	-26.417	491.53



PLAN

MODEL: SMODELNAMES
FILE NAME: SFILES

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 100-0104**

SHEET 5 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	53
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES

NORTH EDGE OF SHOULDER

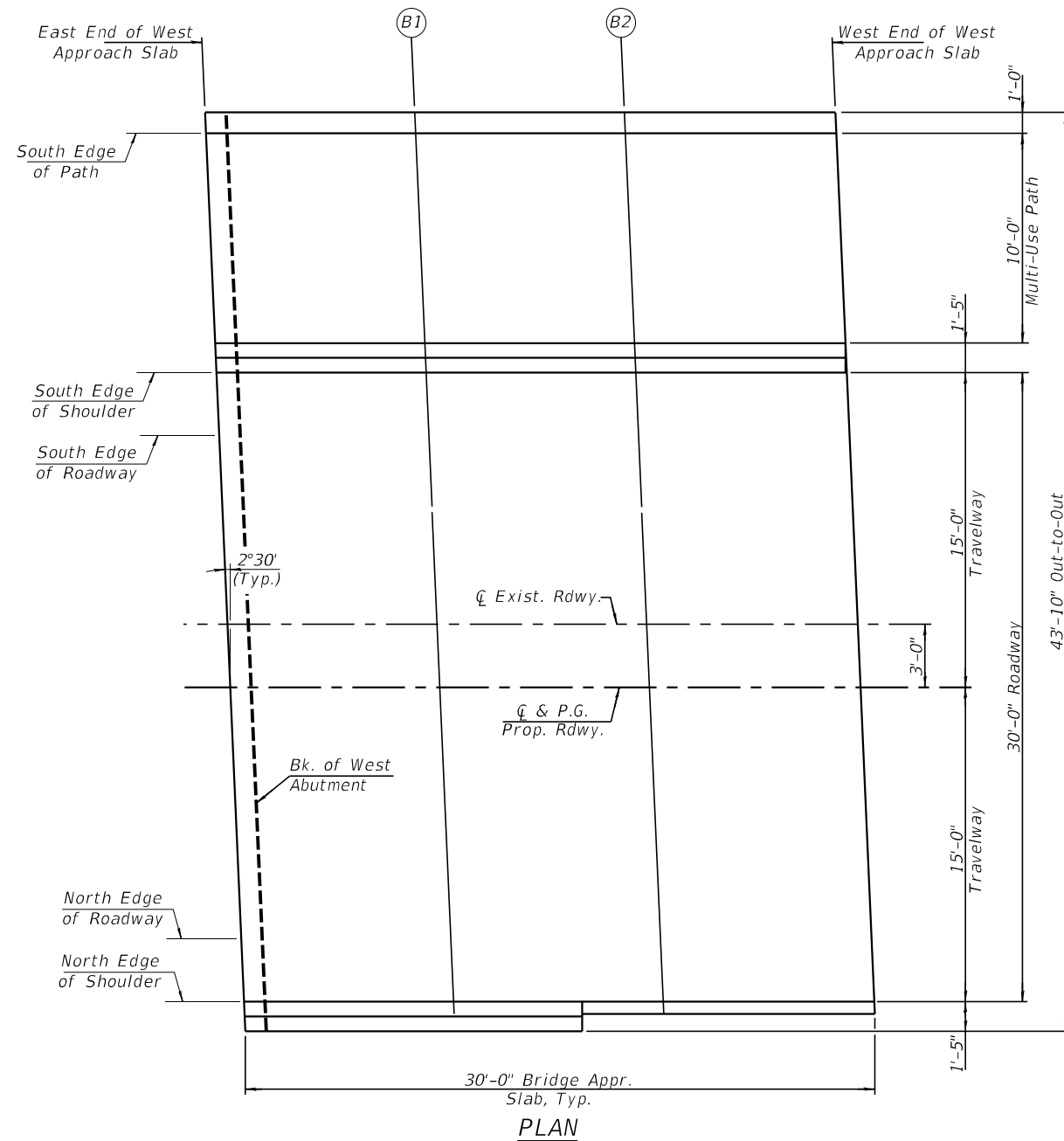
Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+31.98	15.000	491.27
B1	13+41.98	15.000	490.98
B2	13+51.98	15.000	490.66
W. End of W. Appr.	13+61.98	15.000	490.32

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+31.90	13.000	491.30
B1	13+41.90	13.000	491.01
B2	13+51.90	13.000	490.70
W. End of W. Appr.	13+61.90	13.000	490.36

CL ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+31.33	0.000	491.51
B1	13+41.33	0.000	491.22
B2	13+51.33	0.000	490.91
W. End of W. Appr.	13+61.33	0.000	490.57



SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+30.76	-13.000	491.33
B1	13+40.76	-13.000	491.05
B2	13+50.76	-13.000	490.73
W. End of W. Appr.	13+60.76	-13.000	490.40

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+30.68	-15.000	491.31
B1	13+40.68	-15.000	491.02
B2	13+50.68	-15.000	490.71
W. End of W. Appr.	13+60.68	-15.000	490.37

SOUTH EDGE OF PATH

Location	Station	Offset	Theoretical Grade Elevations
E. End of W. Appr.	13+30.18	-26.417	491.15
B1	13+40.18	-26.417	490.86
B2	13+50.18	-26.417	490.55
W. End of W. Appr.	13+60.18	-26.417	490.22

MODEL: SMODELNAMES
FILE NAME: SFILES

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

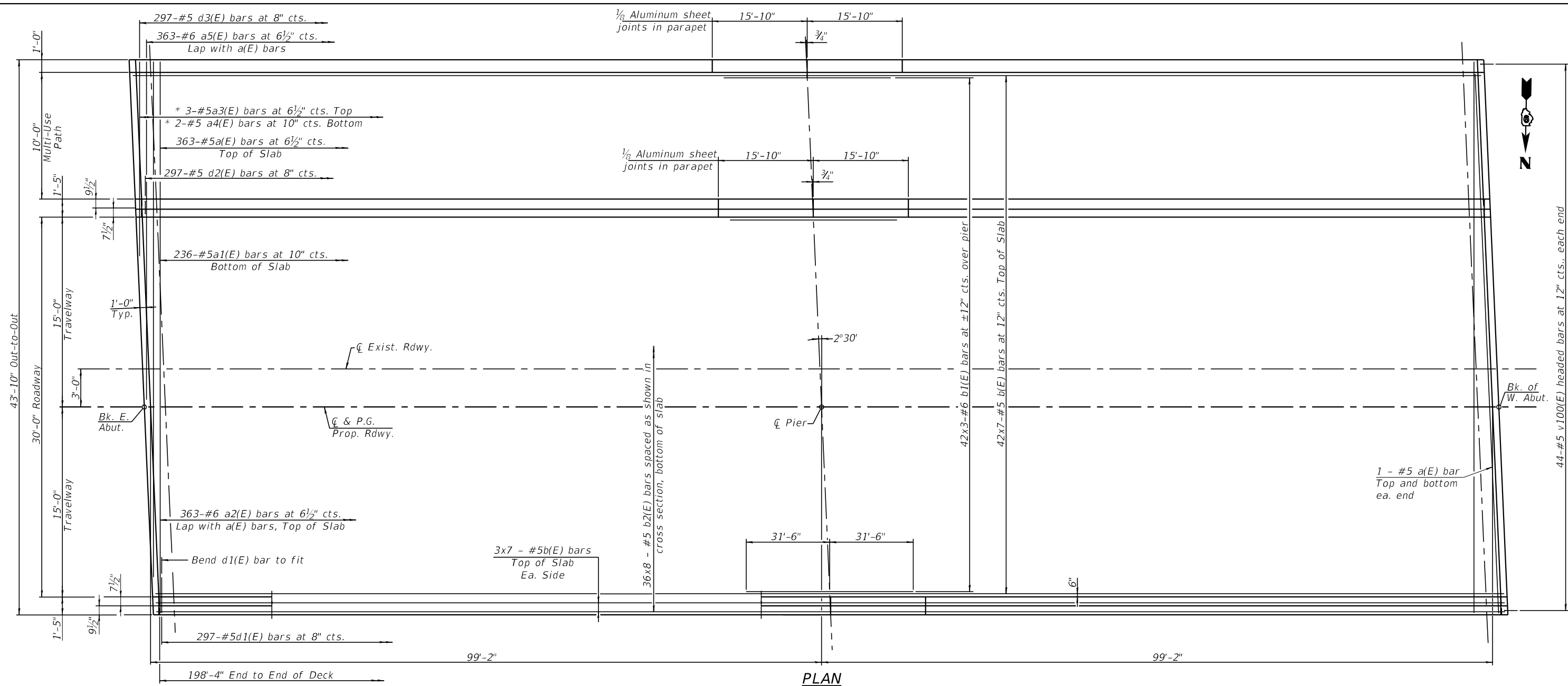
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 100-0104**

SHEET 6 OF 33 SHEETS

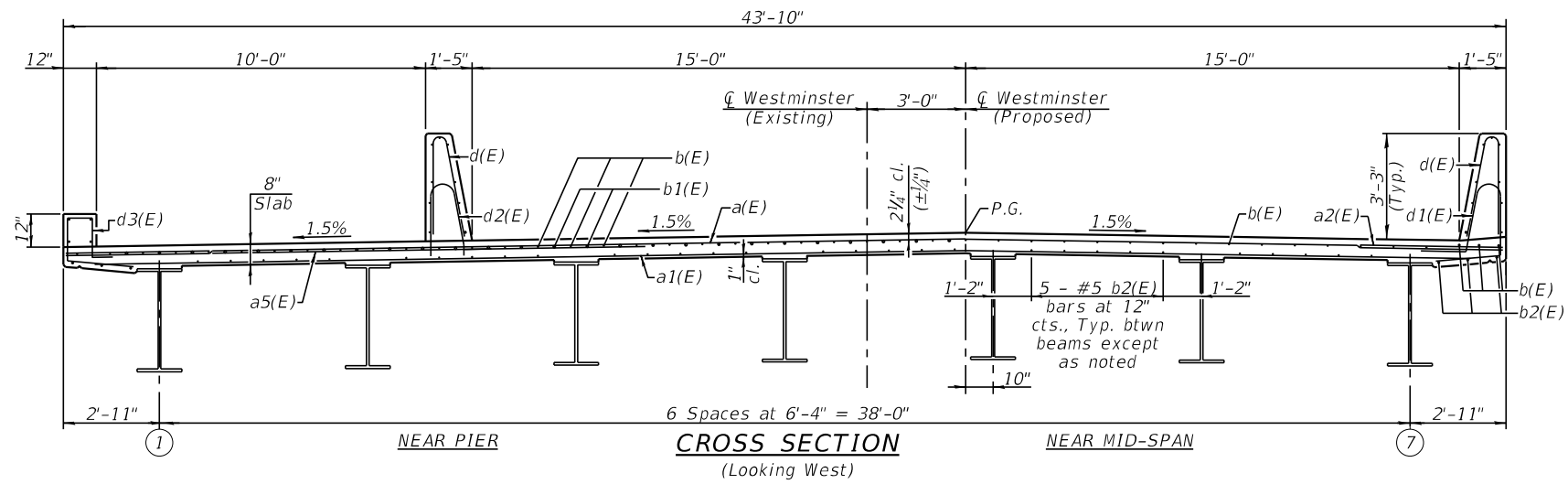
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	54
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES



PLAN

* See field cutting diagram on Sheet 8 of 33.



CROSS SECTION
(Looking West)

MINIMUM BAR LAP
#5 bar = 3'-0"
#6 bar = 3'-7"

Notes:
See Sheets 8 & 9 of 33 for superstructure details, parapet details and Bill of Material.
Bars indicated thus 40x7-#5 etc. indicates 40 lines of bars with 7 lengths per line.
See aesthetic drawings for additional parapet details and finishes.

MODEL: SMODELNAMES
FILE NAME: SFILES



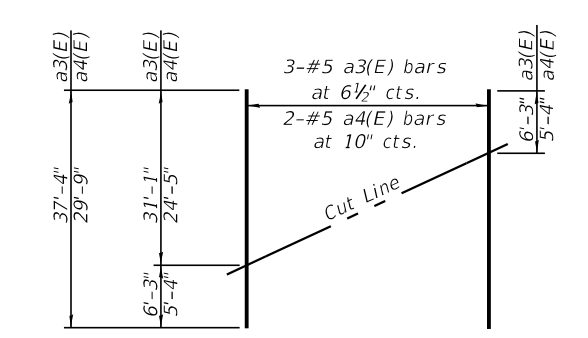
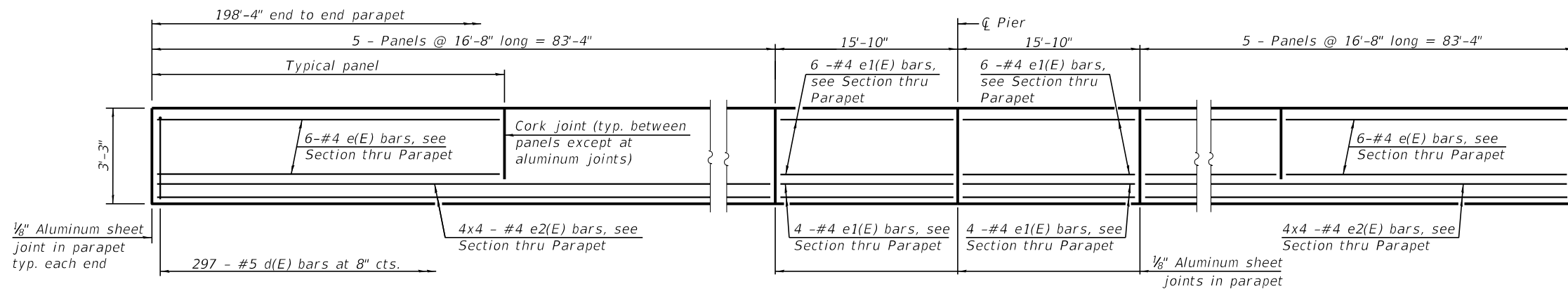
USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 100-0104

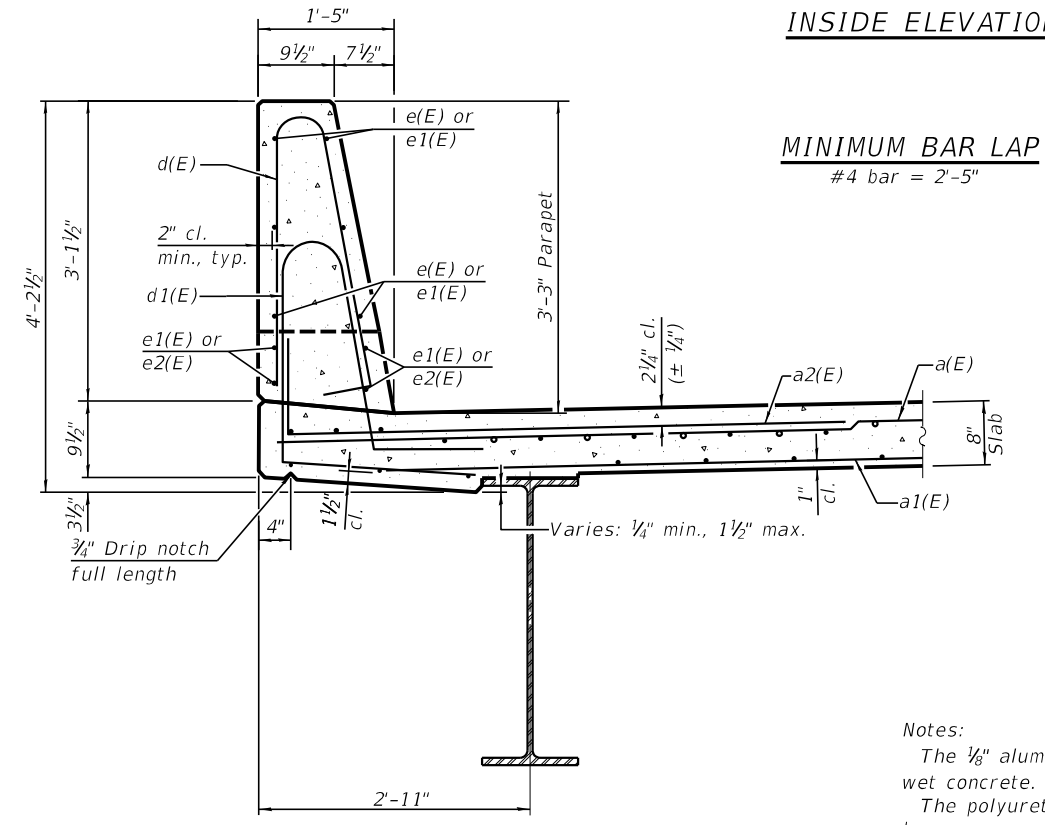
SHEET 7 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	55
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



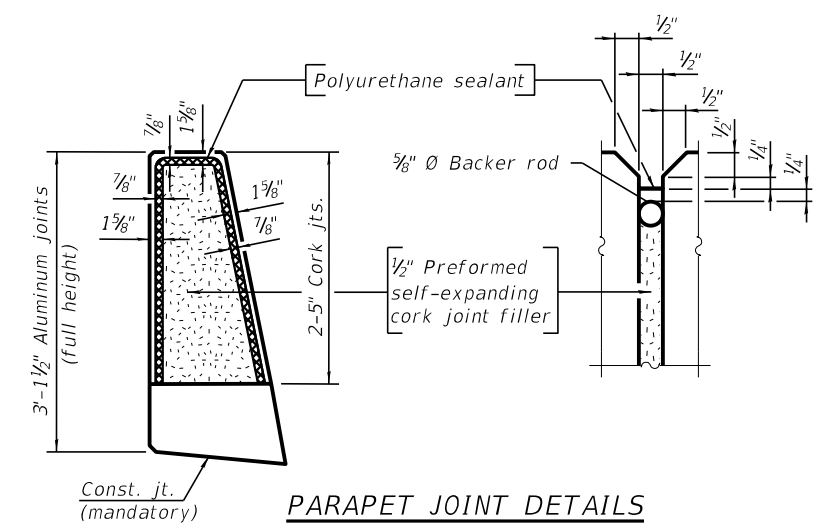
INSIDE ELEVATION OF NORTH PARAPET

FIELD CUTTING DIAGRAM
Order a3(E) and a4(E) bars full length. Cutas shown and use remainder of bars in opposite end of deck.



SECTION THRU NORTH PARAPET
(Looking East)

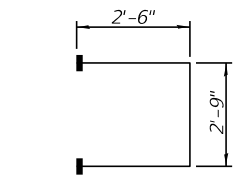
MINIMUM BAR LAP
#4 bar = 2'-5"



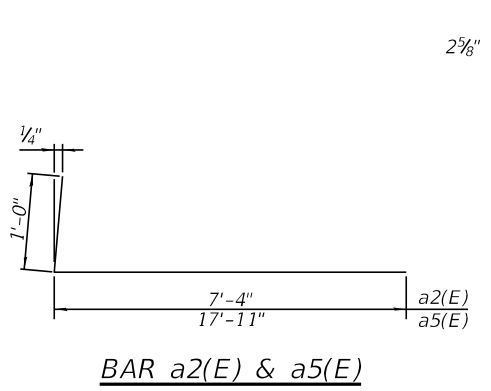
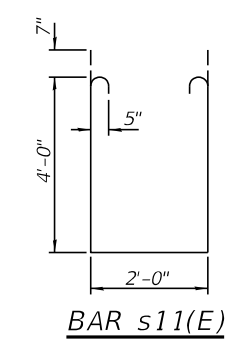
PARAPET JOINT DETAILS

Notes:
The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
See aesthetic drawings for additional parapet details and finishes.

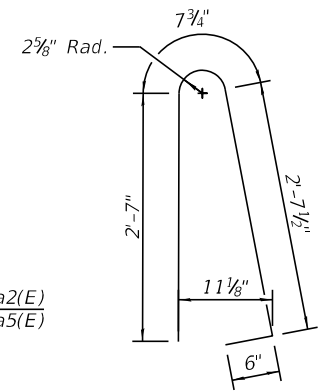
BAR v100(E)
(Headed)



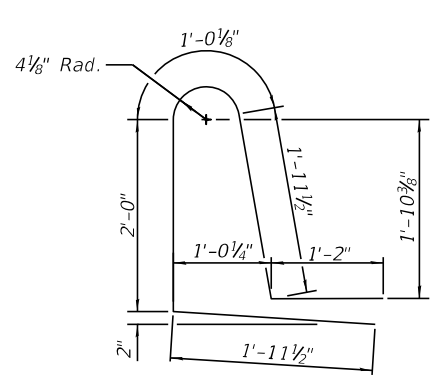
BAR s10(E)
(Headed)



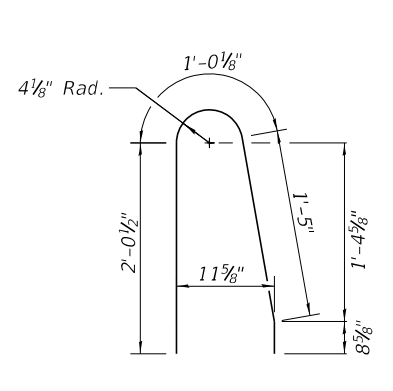
BAR a2(E) & a5(E)



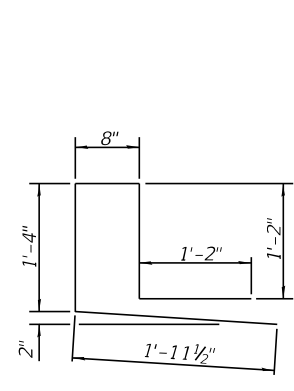
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR d3(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	367	#5	43'-6"	—
a1(E)	236	#5	41'-10"	—
a2(E)	363	#6	8'-4"	—
a3(E)	3	#5	37'-4"	—
a4(E)	2	#5	29'-9"	—
a5(E)	363	#6	18'-11"	—
b(E)	336	#5	30'-11"	—
b1(E)	126	#6	23'-5"	—
b2(E)	288	#5	27'-5"	—
d(E)	594	#5	6'-5"	—
d1(E)	297	#5	8'-2"	—
d2(E)	297	#5	5'-3"	—
d3(E)	297	#5	6'-4"	—
e(E)	120	#4	16'-4"	—
e1(E)	48	#4	15'-6"	—
e2(E)	96	#4	22'-8"	—
m10(E)	10	#6	43'-6"	—
m11(E)	48	#6	6'-0"	—
m12(E)	16	#6	2'-7"	—
s10(E)	96	#5	7'-9"	—
s11(E)	96	#5	11'-2"	—
v100(E)	88	#5	3'-1"	—
Reinforcement Bars, Epoxy Coated		Lbs.		82,170
Concrete Superstructure		Cu. Yds.		322.8

Bars indicated thus 4 x 2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

MODEL: SIMOENAMES
FILE NAME: SFILES
SDI-SB-2
06-15-2019
VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

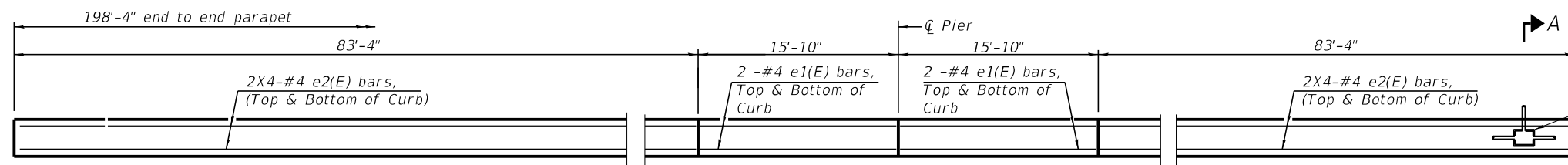
DESIGNED - KS	REVISIONS -
CHECKED - TRC	REVISIONS -
DRAWN - JRP	REVISIONS -
CHECKED -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 100-0104

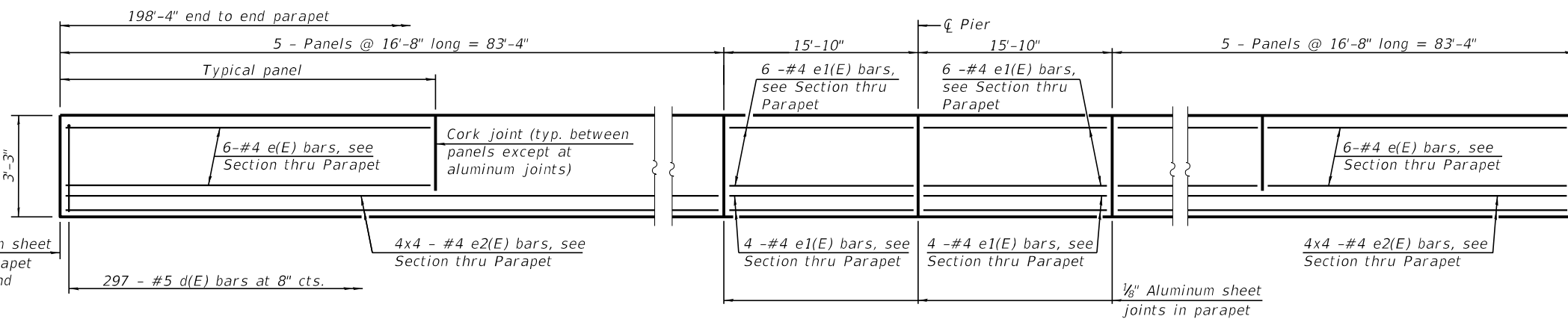
SHEET 8 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	56
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

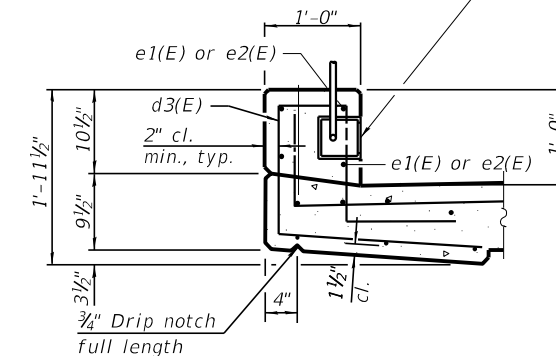


INSIDE ELEVATION OF SOUTH CURB

LED Strip Light Power Connection Boxes and 1" Conduit embedded in north face of south curb. Space to miss e1(E) or e2(E) bars and adjust d3(E) bars to miss boxes. Edge of box no closer than 6 inches to end of curb or curb joints. See sheet 87 of 125 for number, spacing and details.



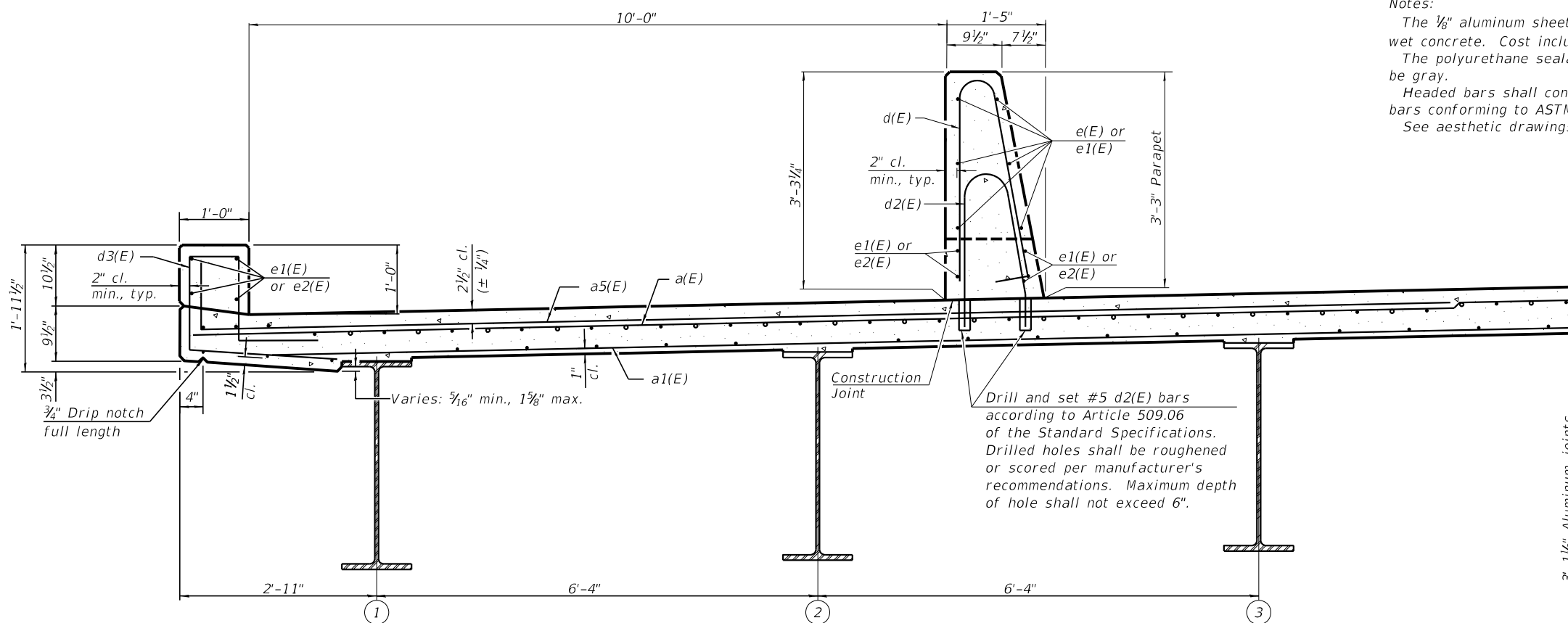
INSIDE ELEVATION OF SOUTH PARAPET



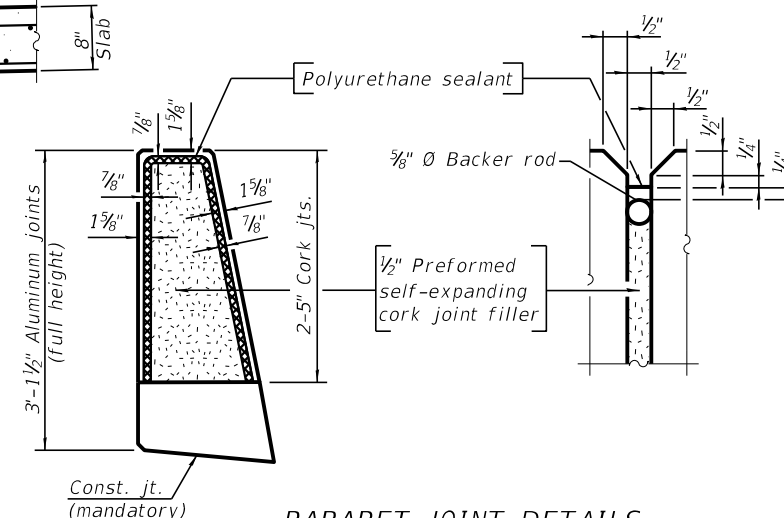
SECTION A-A
(Looking West)

Notes:

- The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
- The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
- Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
- See aesthetic drawings for additional parapet details and finishes.



SECTION THRU CURB AND PARAPET
(Looking West)



PARAPET JOINT DETAILS

MINIMUM BAR LAP
#4 bar = 2'-5"

Bars indicated thus 4 x 2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

MODEL: SMODELNAMES
FILE NAME: SFILES

SDI-SB-2

06-15-2019

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = _____
PLOT SCALE = _____
PLOT DATE = 1-11-2022

DESIGNED - KS
CHECKED - TRC
DRAWN - JRP
CHECKED - _____

REVISED - _____
REVISED - _____
REVISED - _____
REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

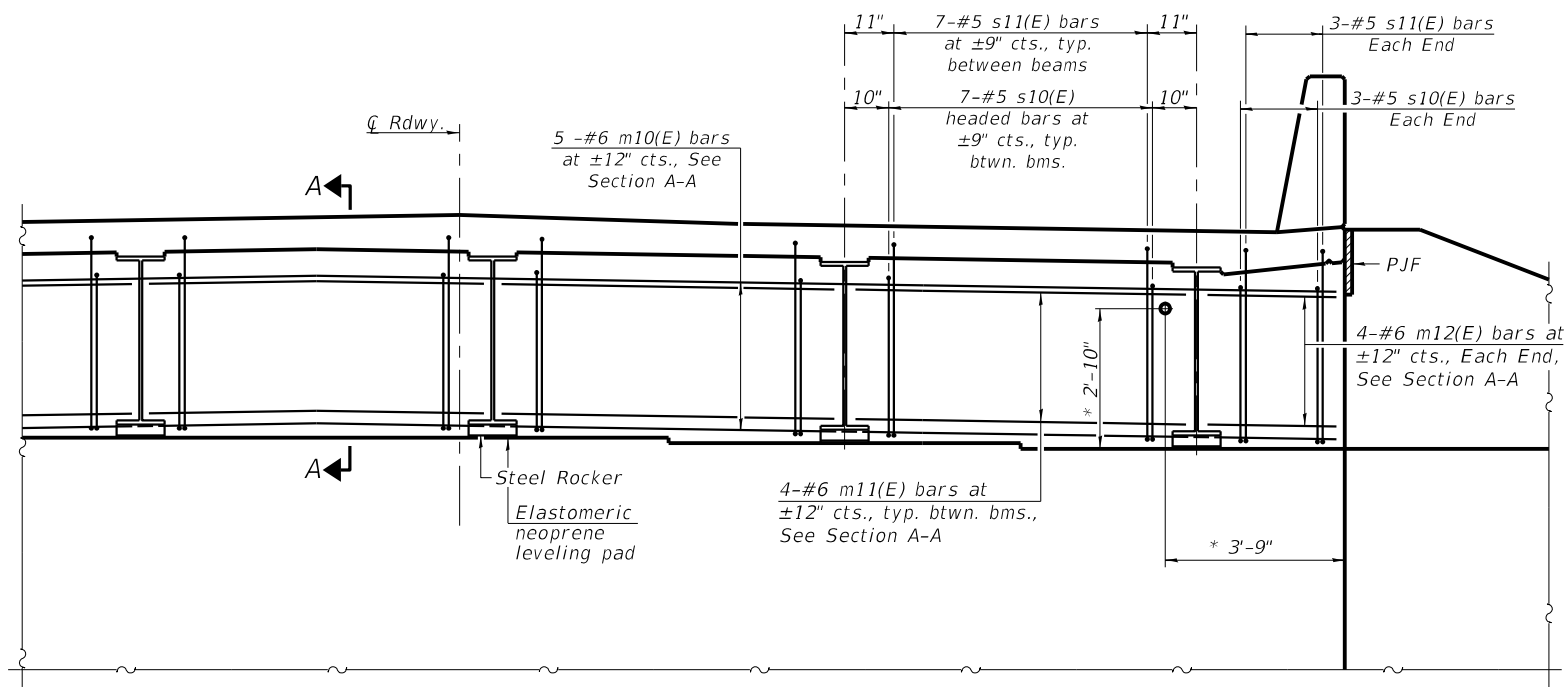
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 100-0104

SHEET 9 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	57
CONTRACT NO. 78619				

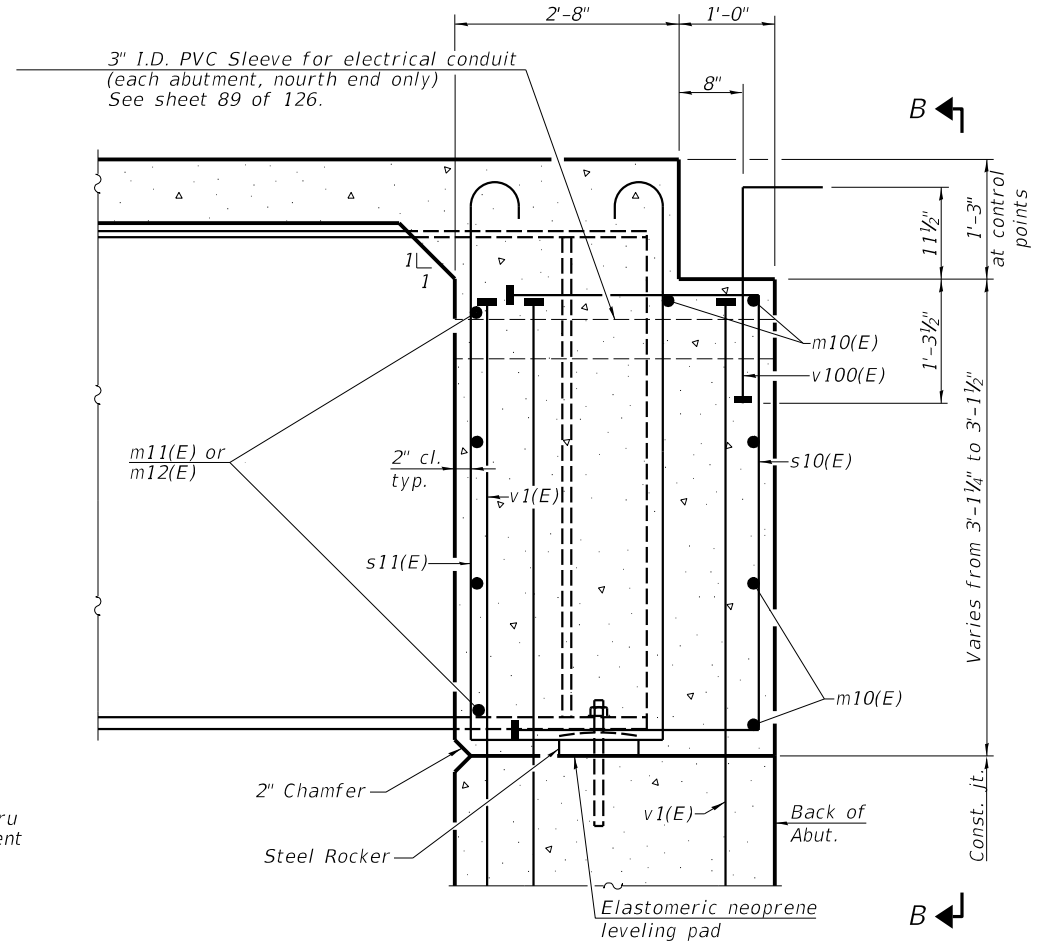
ILLINOIS FED. AID PROJECT

SDATES \$TIMES

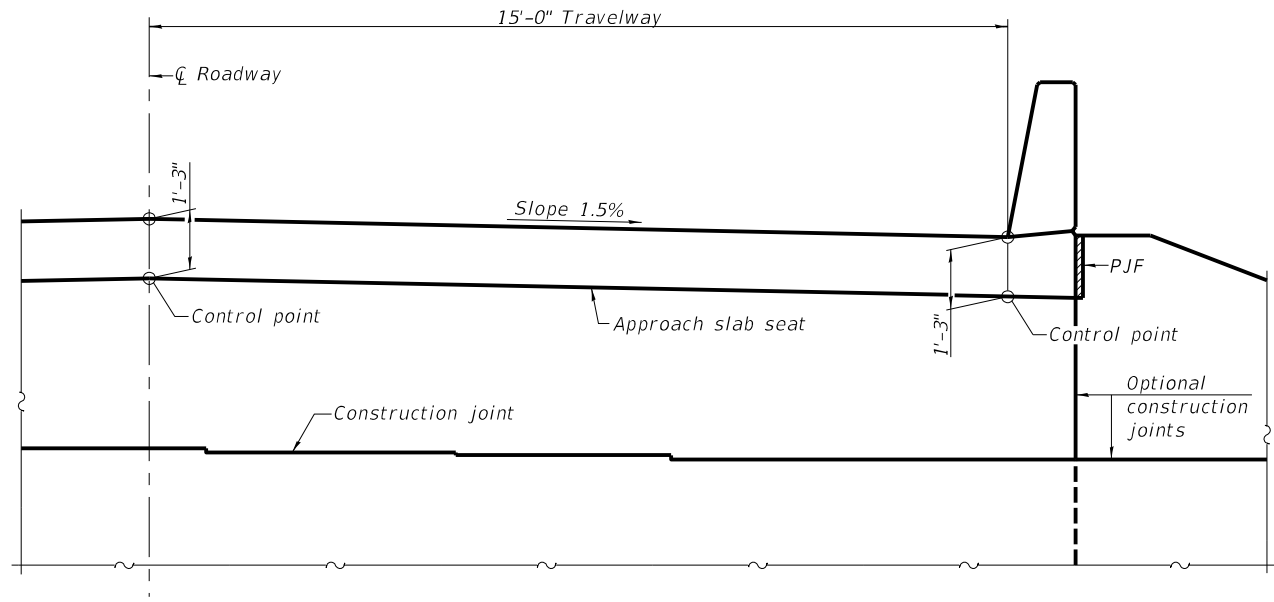


DIAPHRAGM ELEVATION AT WEST ABUTMENT
Looking West (West Abutment shown, East Abutment similar)

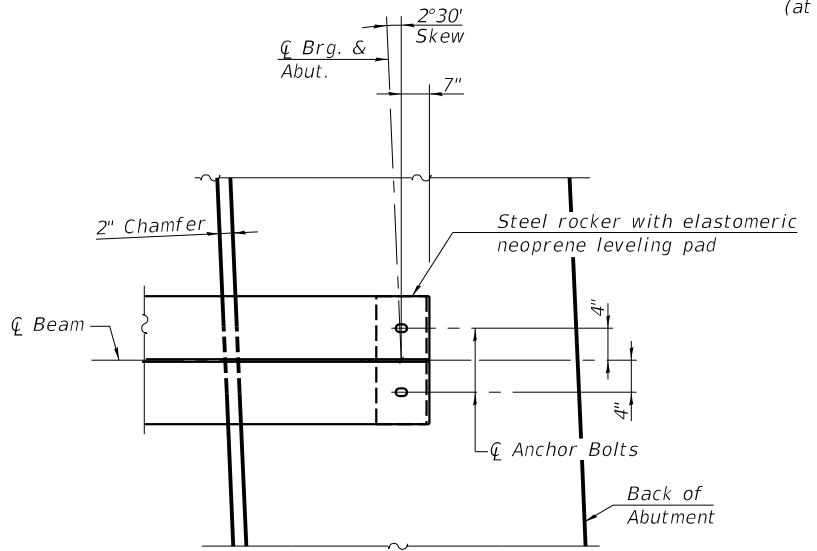
* Dimensions shown are for 3" I.D. PVC Sleeve thru concrete diaphragm at north end of each abutment for electrical conduit. See sheet 89 of 125.



SECTION A-A
(at Rt. L's)



VIEW B-B

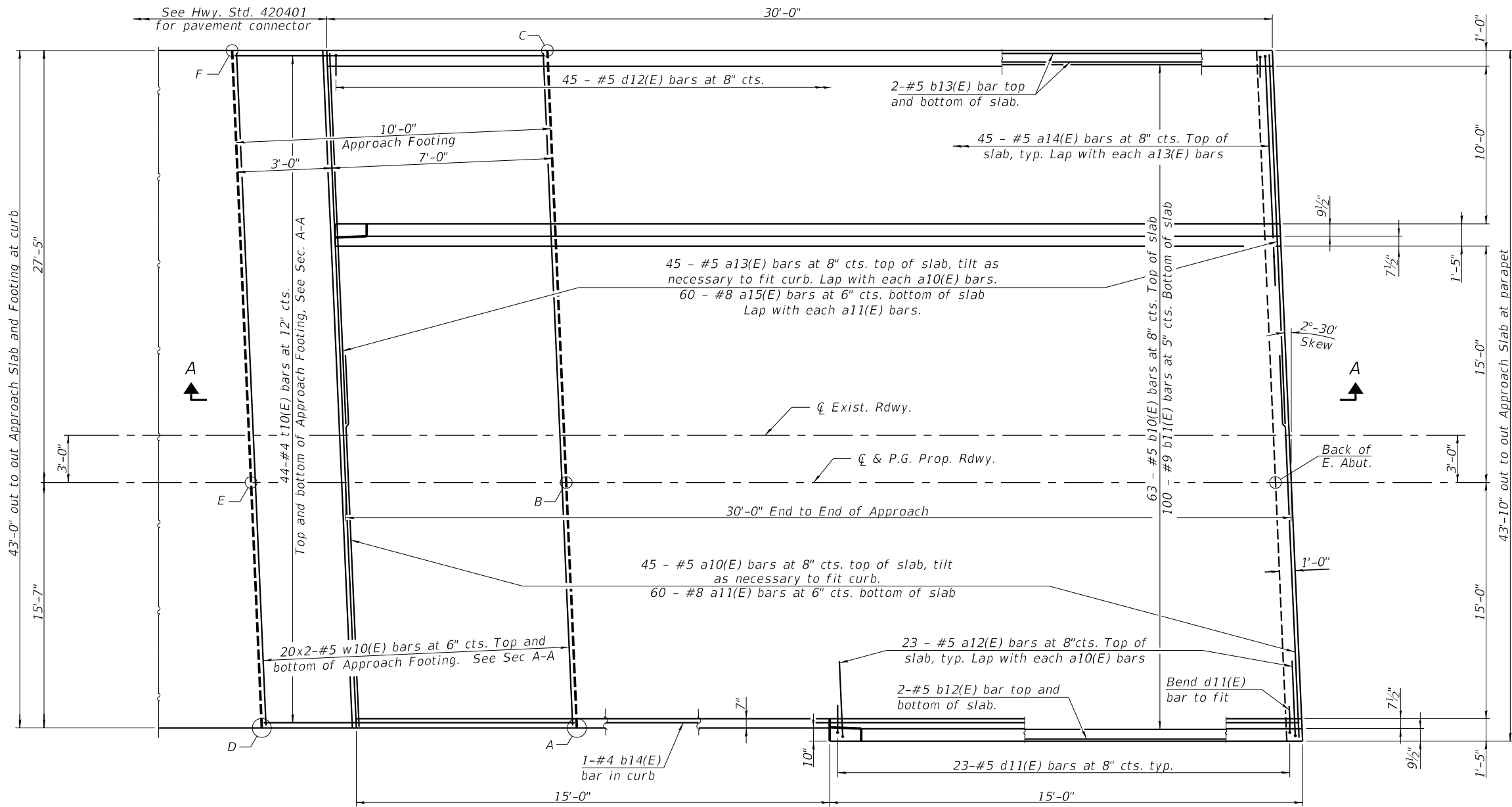


PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
See sheets 8 & 9 of 33 for superstructure details and Bill of Material.
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.

USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

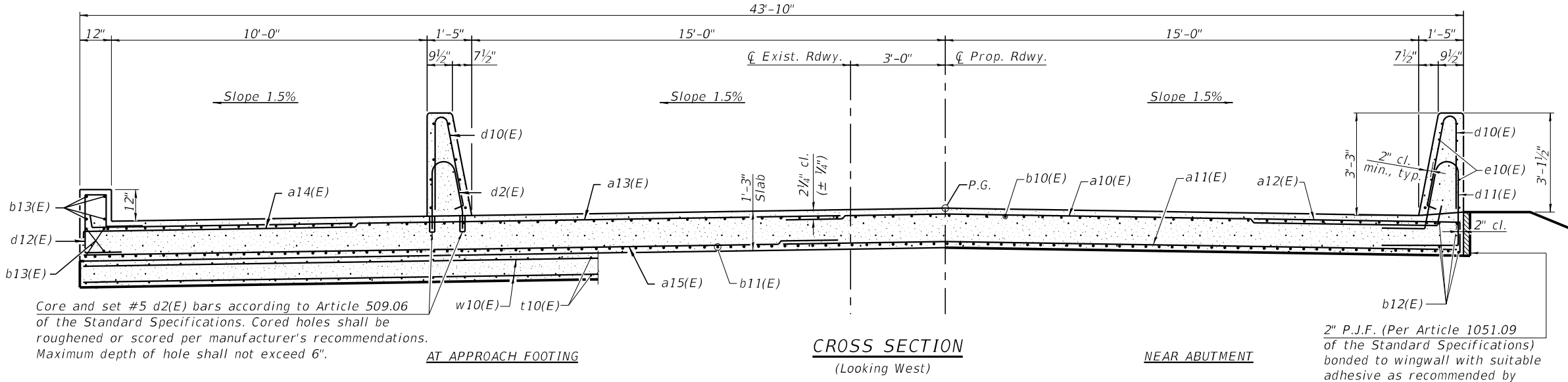
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	58
CONTRACT NO. 78619				



PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	East Approach	
	Top	Bottom
A	489.90	489.07
B	490.11	489.28
C	489.66	488.83
D	489.60	488.77
E	489.80	488.97
F	489.36	488.53



CROSS SECTION
(Looking West)

MINIMUM BAR LAP

- #4 bar = 2'-3"
- #5 bar = 3'-0"
- #8 bar = 4'-9"

Note:
Bars indicated thus 20x2 - #4 etc. indicates 20 lines of bar with 2 length per line.
See aesthetic drawings for additional parapet details and finishes.

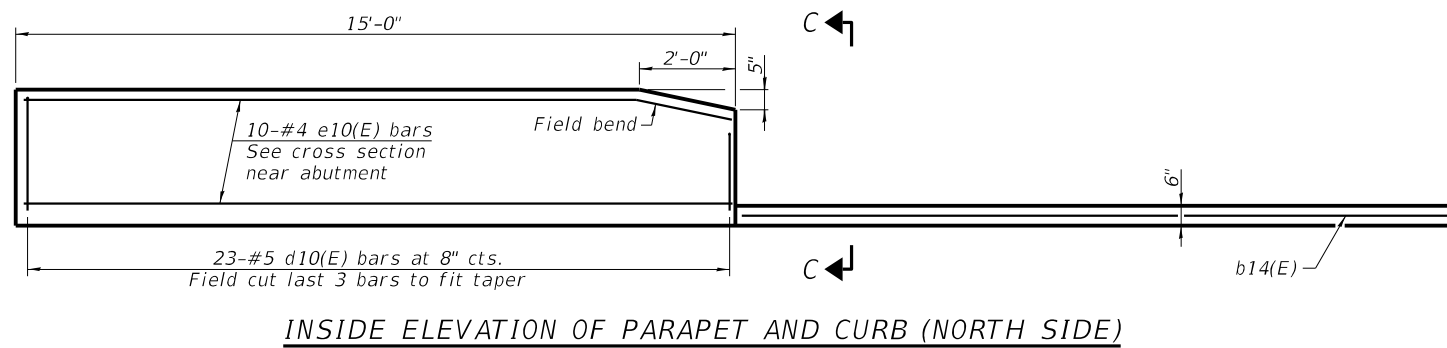
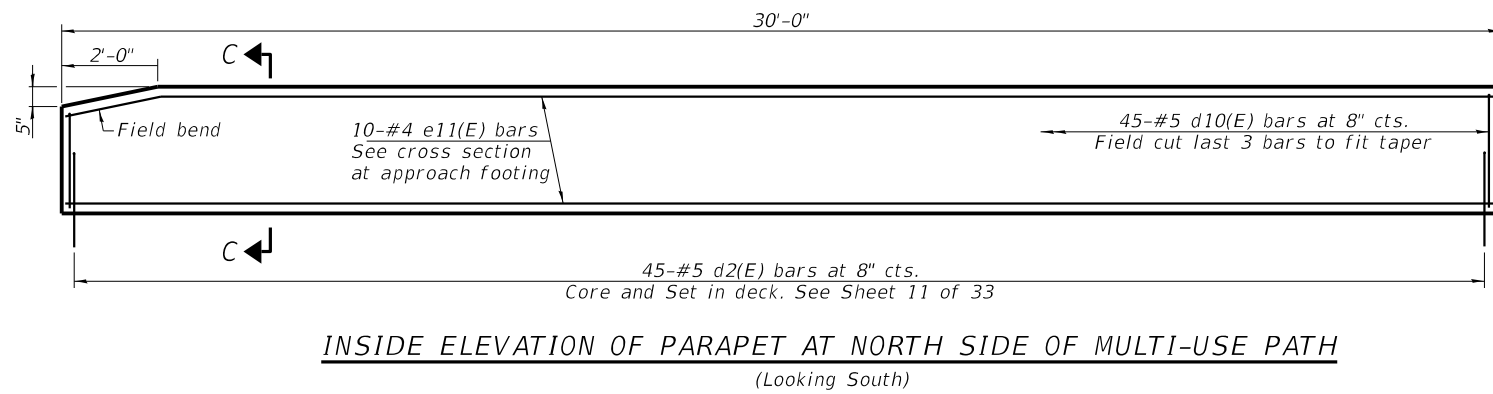
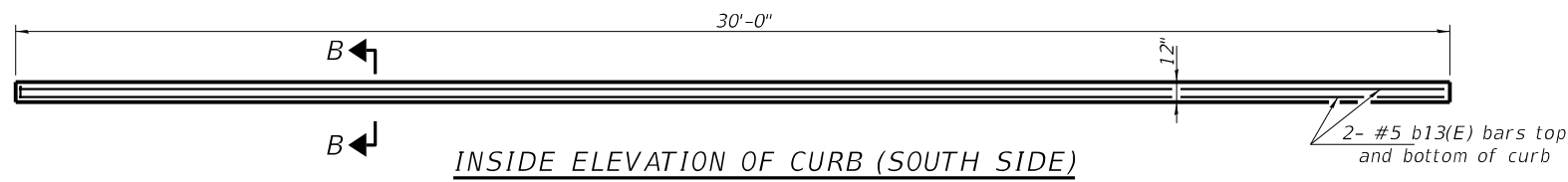
VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

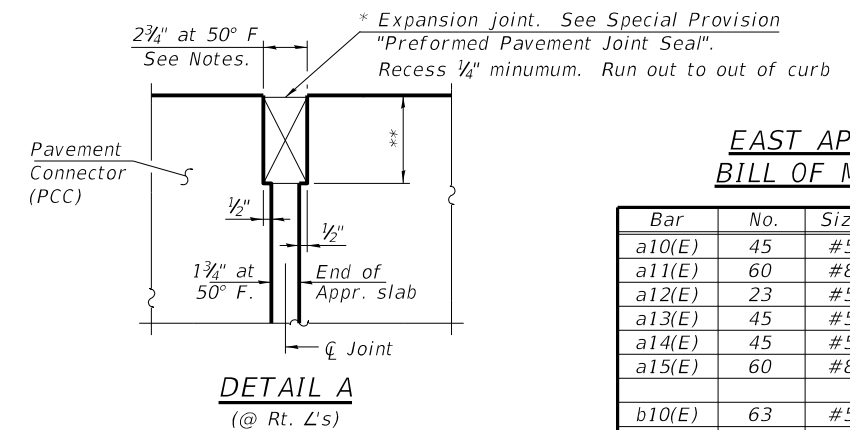
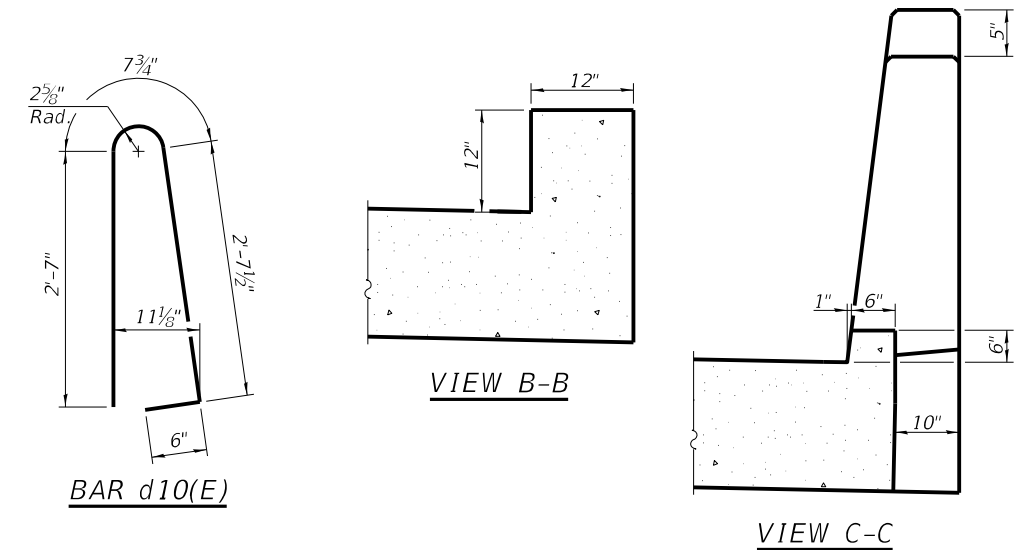
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - E. ABUT.
STRUCTURE NO. 100-0104

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	59
CONTRACT NO. 78619				

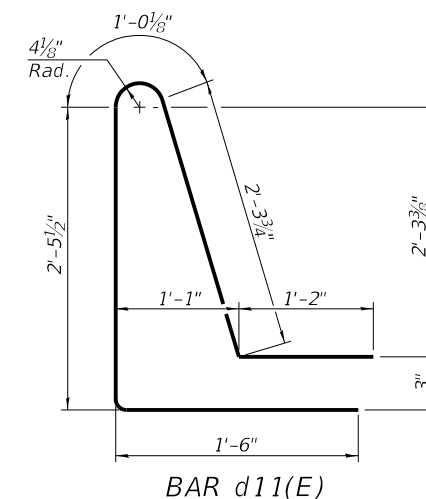
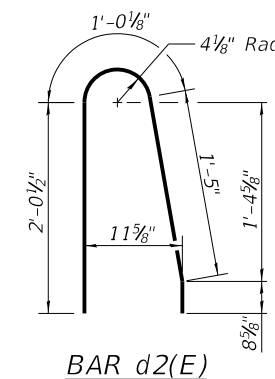
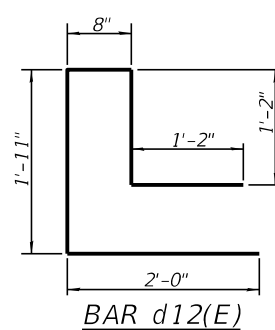
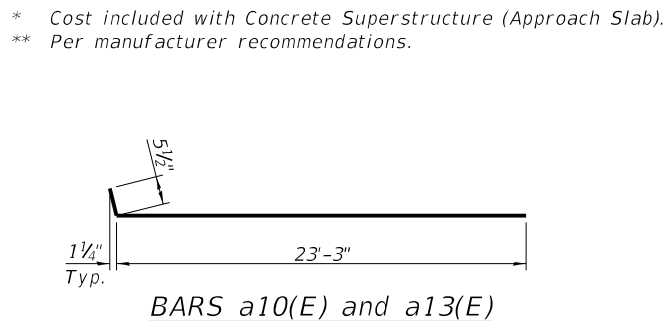
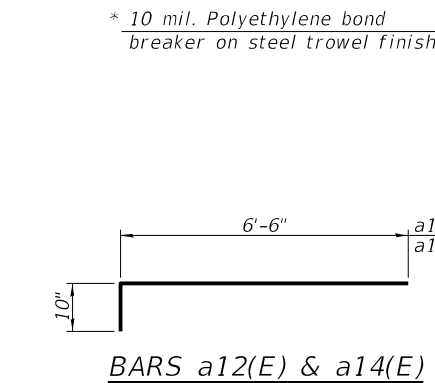
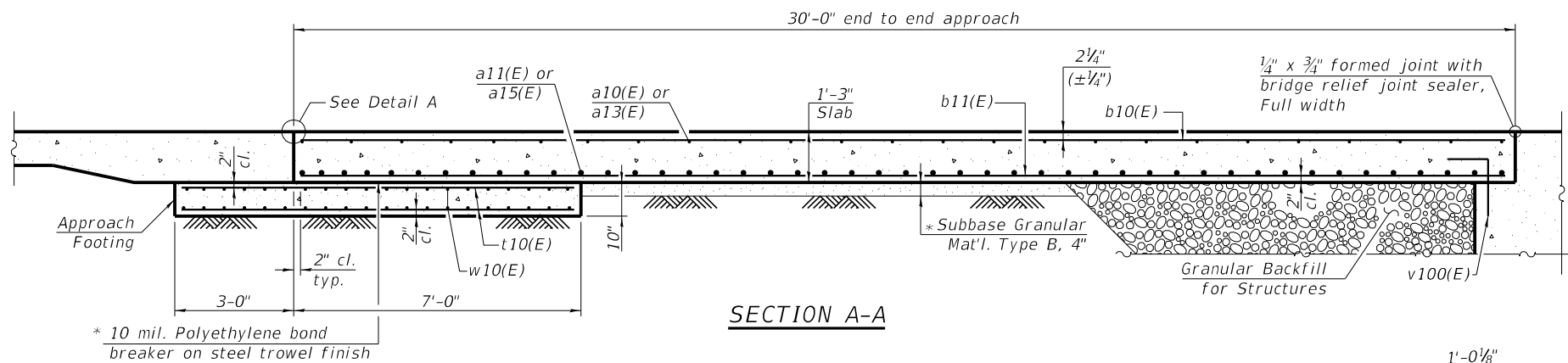


Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement slab.
 Parapet concrete and Bicycle Pedestal shall be paid for as Concrete Superstructure. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf. Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 33. See aesthetic drawings for additional parapet details and finishes.



EAST APPROACH BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	45	#5	23'-9"	┌───┐
a11(E)	60	#8	23'-9"	┌───┐
a12(E)	23	#5	7'-4"	┌───┐
a13(E)	45	#5	23'-9"	┌───┐
a14(E)	45	#5	7'-4"	┌───┐
a15(E)	60	#8	23'-9"	┌───┐
b10(E)	63	#5	29'-8"	┌───┐
b11(E)	100	#9	29'-8"	┌───┐
b12(E)	4	#5	14'-8"	┌───┐
b13(E)	8	#5	29'-8"	┌───┐
b14(E)	1	#4	14'-8"	┌───┐
d2(E)	45	#5	5'-3"	┌───┐
d10(E)	68	#5	6'-5"	┌───┐
d11(E)	23	#5	8'-6"	┌───┐
d12(E)	45	#5	6'-11"	┌───┐
e10(E)	10	#4	14'-8"	┌───┐
e11(E)	10	#4	29'-8"	┌───┐
t10(E)	88	#4	9'-8"	┌───┐
w10(E)	80	#5	22'-11"	┌───┐
Concrete Superstructure		Cu. Yd.	6.9	
Concrete Superstructure (Approach Slab)		Cu. Yd.	61.1	
Concrete Structures		Cu. Yd.	13.3	
Reinforcement Bars, Epoxy Coated		Pound	26,730	



MODEL: SMODELNAMES
 FILE NAME: SFILES

VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = _____
 PLOT SCALE = _____
 PLOT DATE = 1-11-2022

DESIGNED - KS
 CHECKED - TRC
 DRAWN - JRP
 CHECKED - _____

REVISED - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

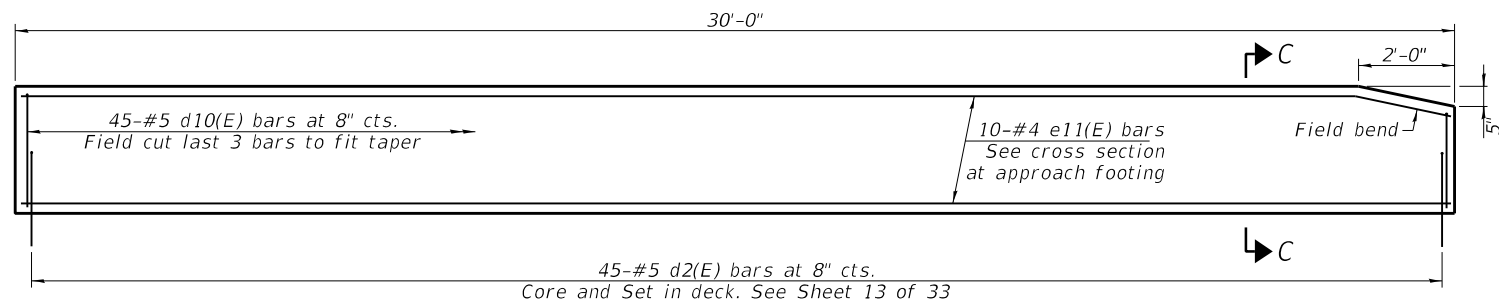
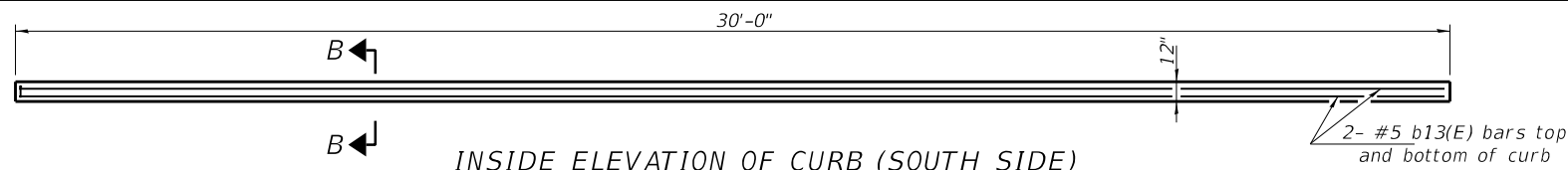
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS - E. ABUT. STRUCTURE NO. 100-0104

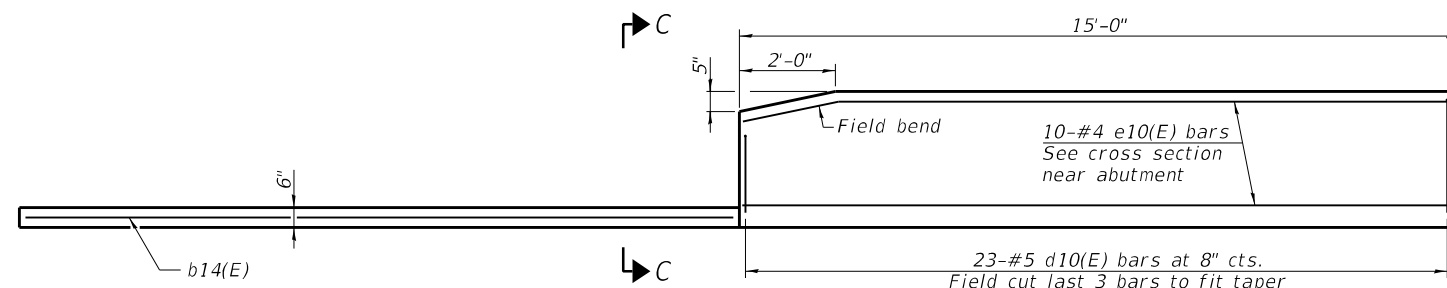
SHEET 12 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	60
CONTRACT NO. 78619				

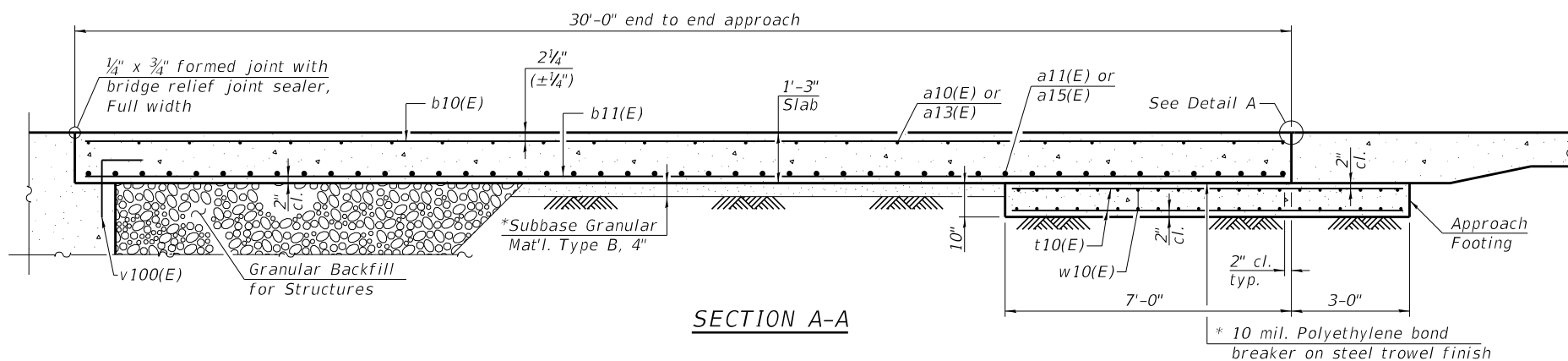
ILLINOIS FED. AID PROJECT



INSIDE ELEVATION OF PARAPET AT NORTH SIDE OF MULTI-USE PATH
(Looking South)

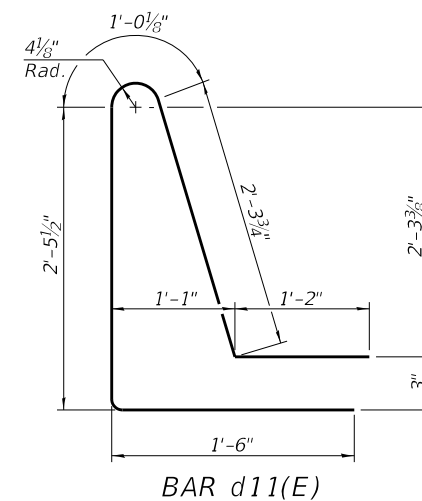
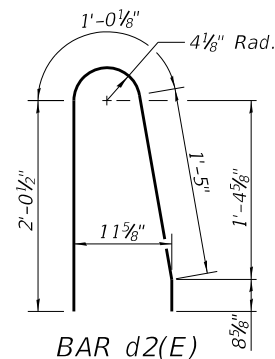
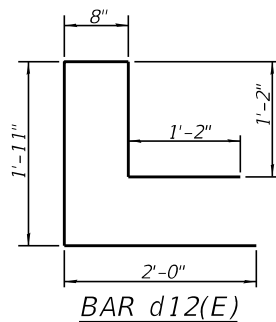
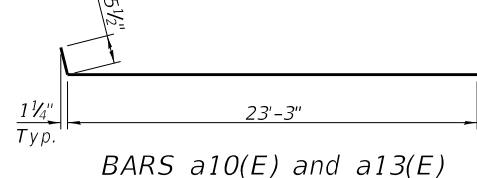
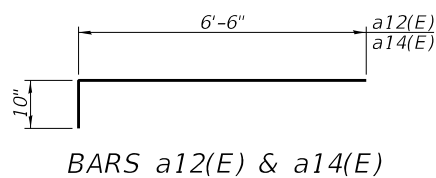


INSIDE ELEVATION OF PARAPET AND CURB (NORTH SIDE)

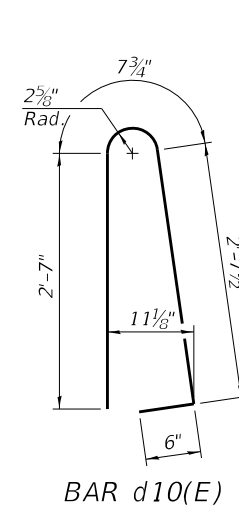


SECTION A-A

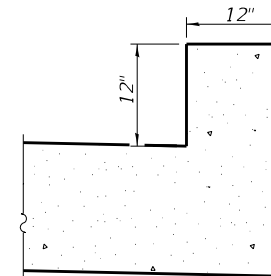
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations.



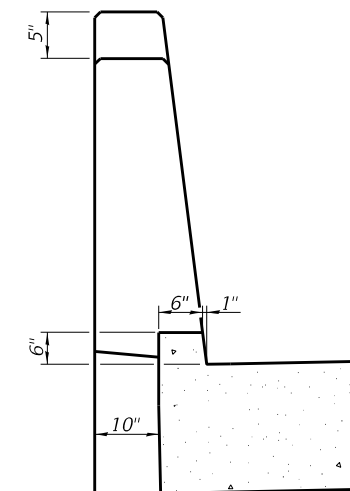
Notes:
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement slab.
Parapet concrete and Bicycle Pedestal shall be paid for as Concrete Superstructure. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf. Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 33. See aesthetic drawings for additional parapet details and finishes.



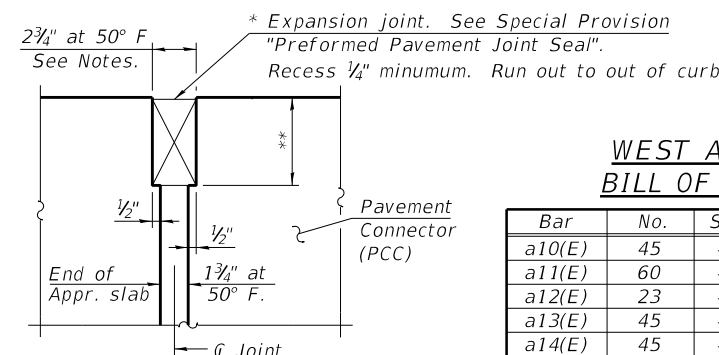
BAR d10(E)



VIEW B-B



VIEW C-C



DETAIL A
(@ Rt. L's)

WEST APPROACH
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	45	#5	23'-9"	U
a11(E)	60	#8	23'-9"	U
a12(E)	23	#5	7'-4"	U
a13(E)	45	#5	23'-9"	U
a14(E)	45	#5	7'-4"	U
a15(E)	60	#8	23'-9"	U
b10(E)	63	#5	29'-8"	U
b11(E)	100	#9	29'-8"	U
b12(E)	4	#5	14'-8"	U
b13(E)	8	#5	29'-8"	U
b14(E)	1	#4	14'-8"	U
d2(E)	45	#5	5'-3"	U
d10(E)	68	#5	6'-5"	U
d11(E)	23	#5	8'-6"	U
d12(E)	45	#5	6'-11"	U
e10(E)	10	#4	14'-8"	U
e11(E)	10	#4	29'-8"	U
t10(E)	88	#4	9'-8"	U
w10(E)	80	#5	22'-11"	U
Concrete Superstructure		Cu. Yd.	6.9	
Concrete Superstructure (Approach Slab)		Cu. Yd.	61.1	
Concrete Structures		Cu. Yd.	13.3	
Reinforcement Bars, Epoxy Coated		Pound	26,730	

MODEL: 78619-14
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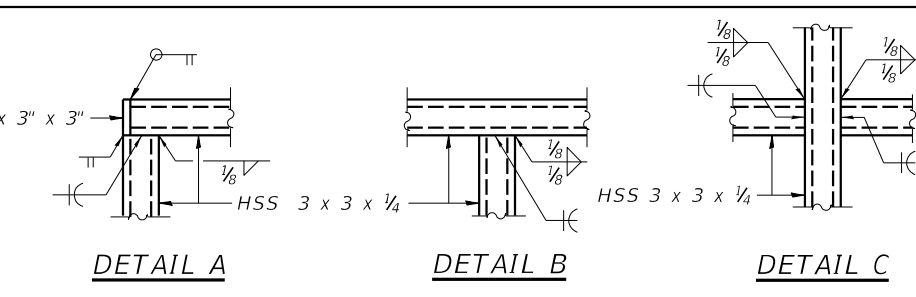
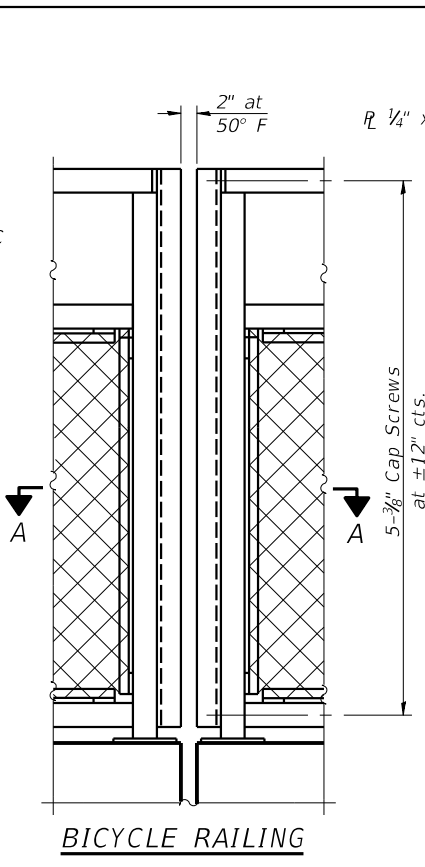
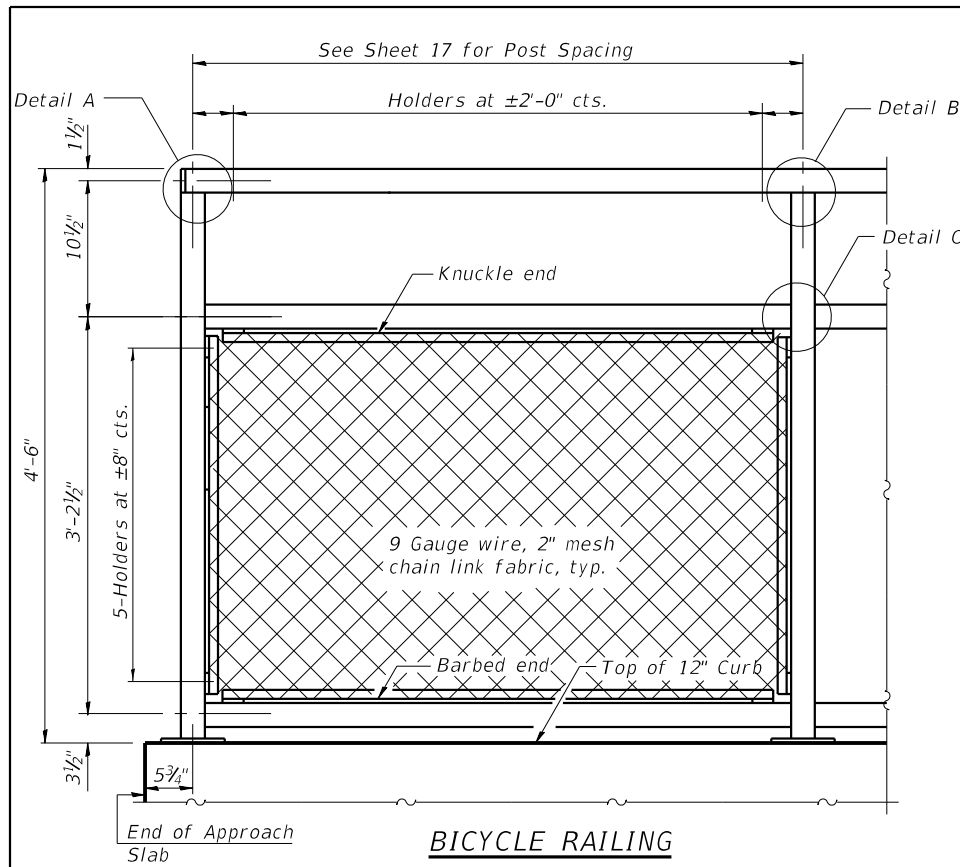
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PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

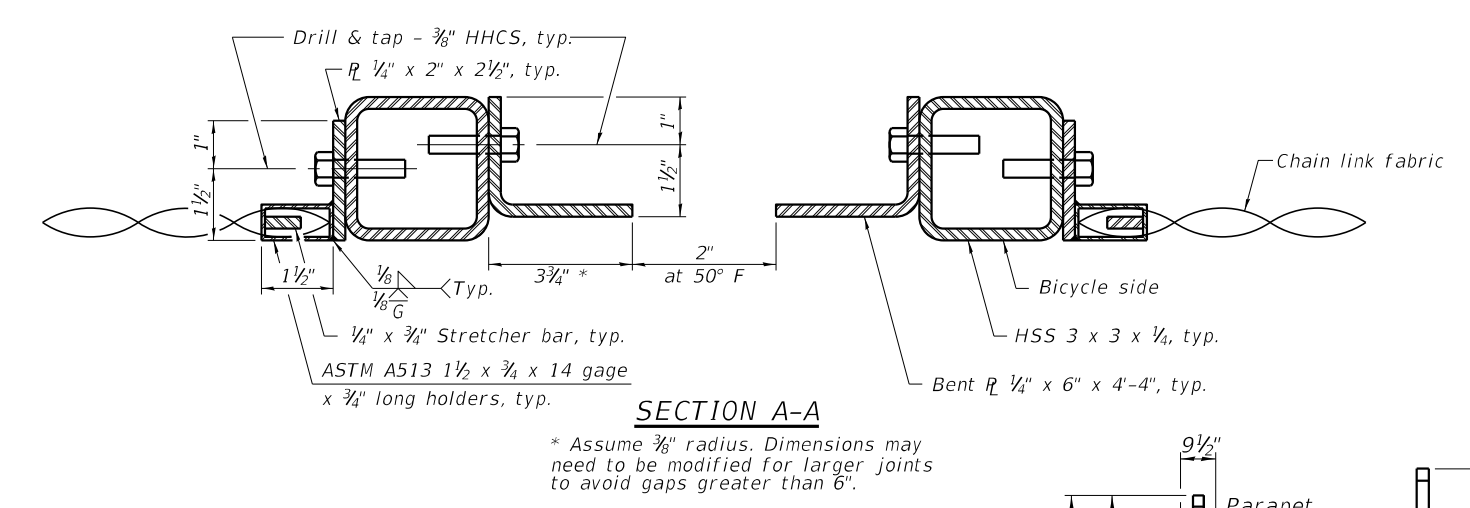
BRIDGE APPROACH SLAB DETAILS - W. ABUT.
STRUCTURE NO. 100-0104

SHEET 14 OF 33 SHEETS

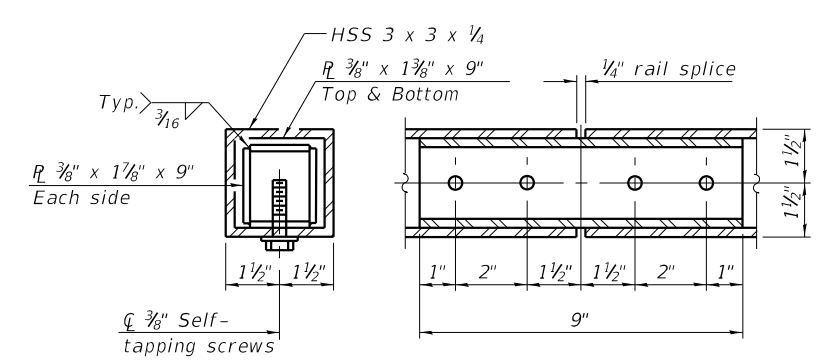
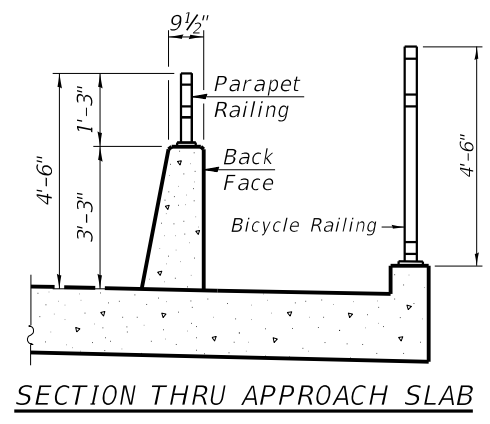
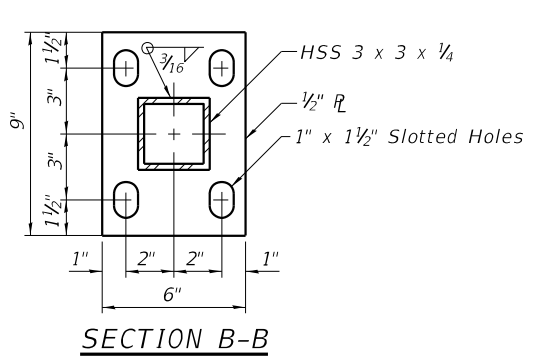
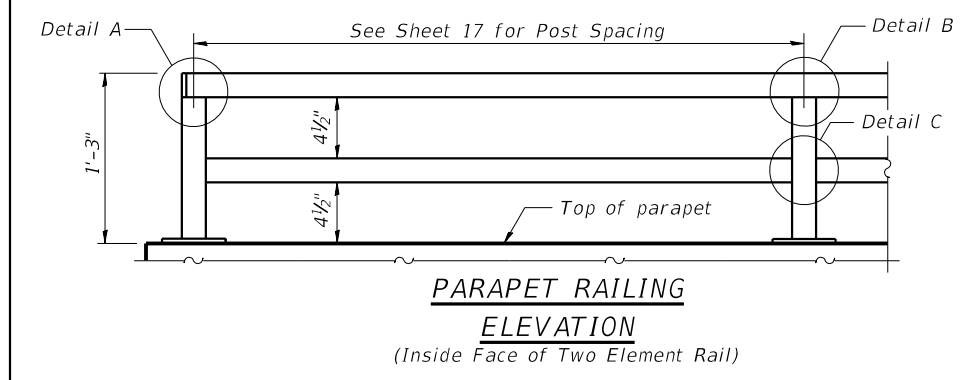
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	62
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



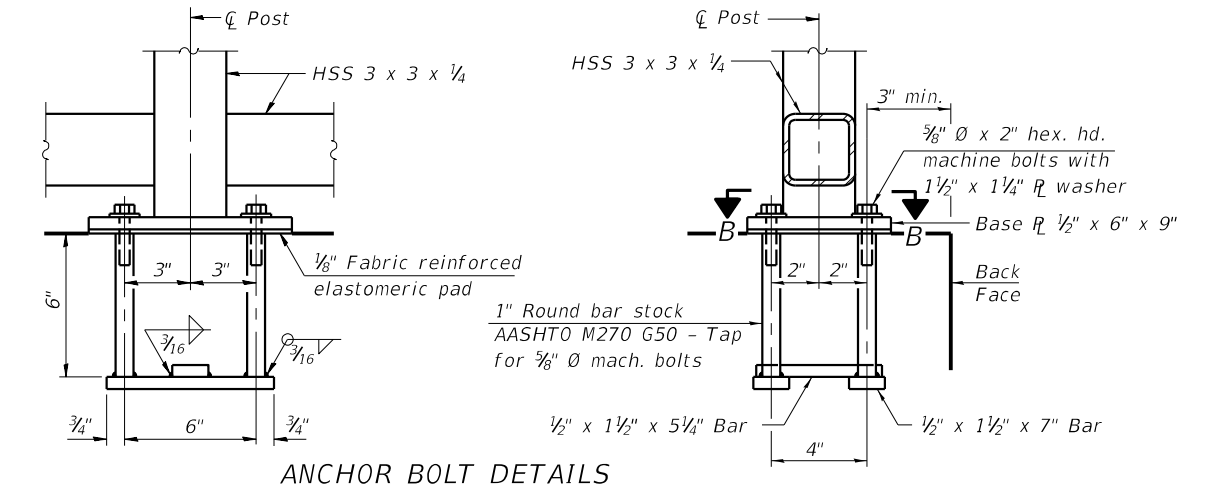
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



* Assume 3/8 inch radius. Dimensions may need to be modified for larger joints to avoid gaps greater than 6 inch.



Notes:
Place reinforcement bars to miss anchor rod locations.
CVN testing is not required for the HSS tubing used in the Bicycle Railing.
All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
See aesthetic drawings for additional parapet details and finishes.



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8 inch diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	60

RAILING CRITERIA

NCHRP 350 Test Level	4
Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

R-29 10-12-2021

MODEL: SMODELNAMES
FILE NAME: SFILES



USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

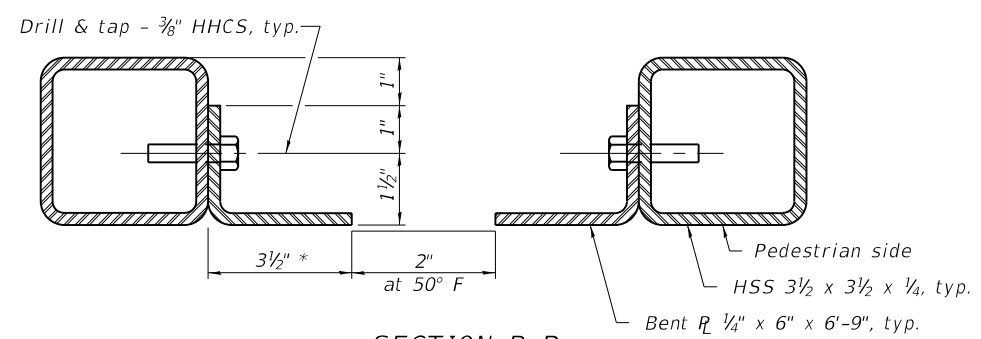
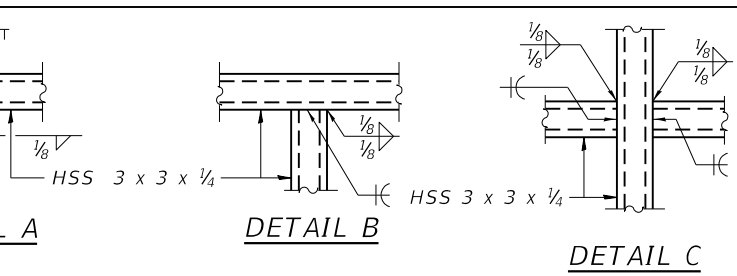
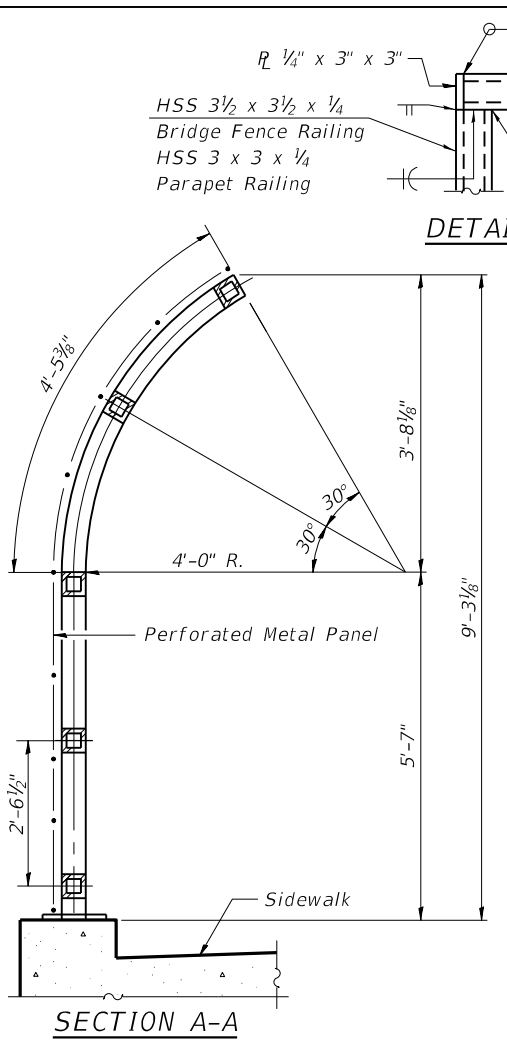
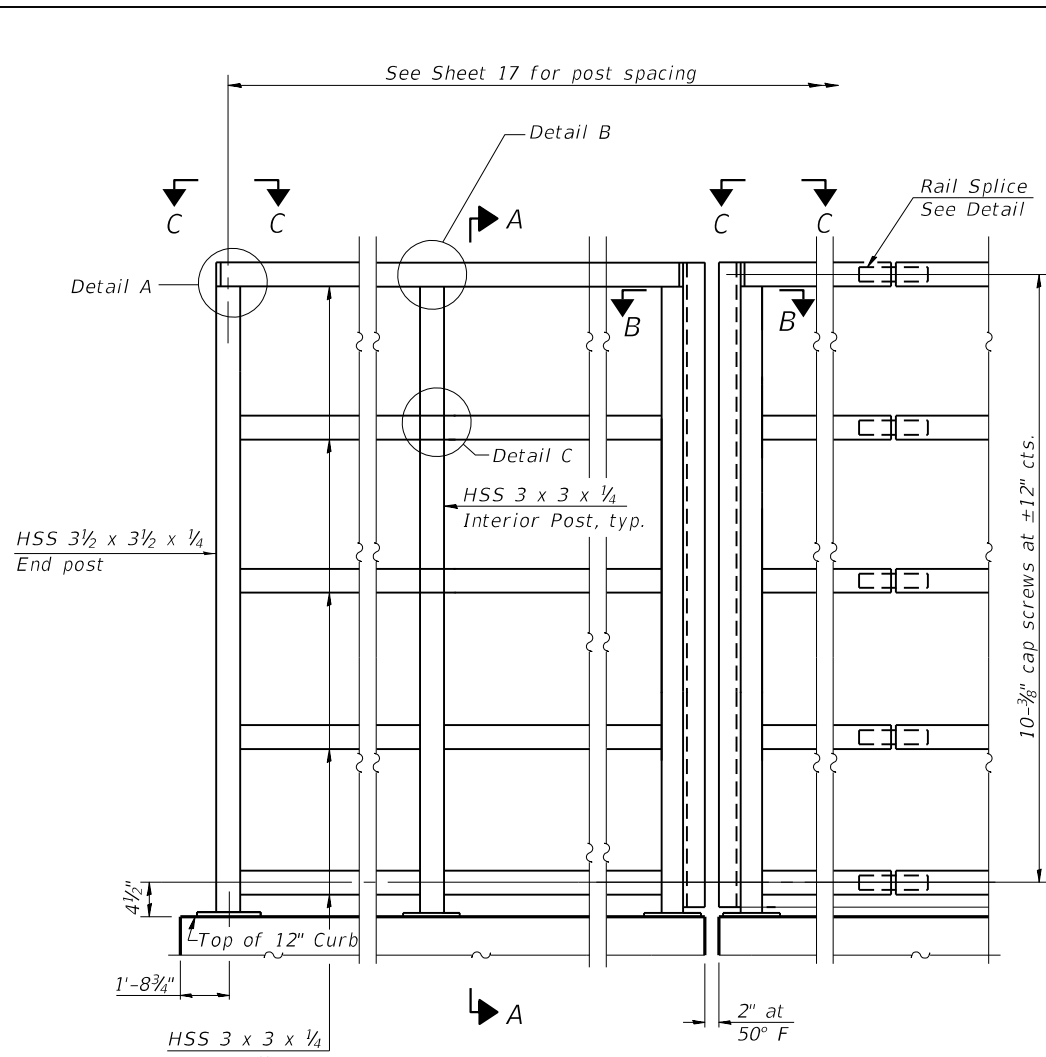
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING
STRUCTURE NO. 100-0104

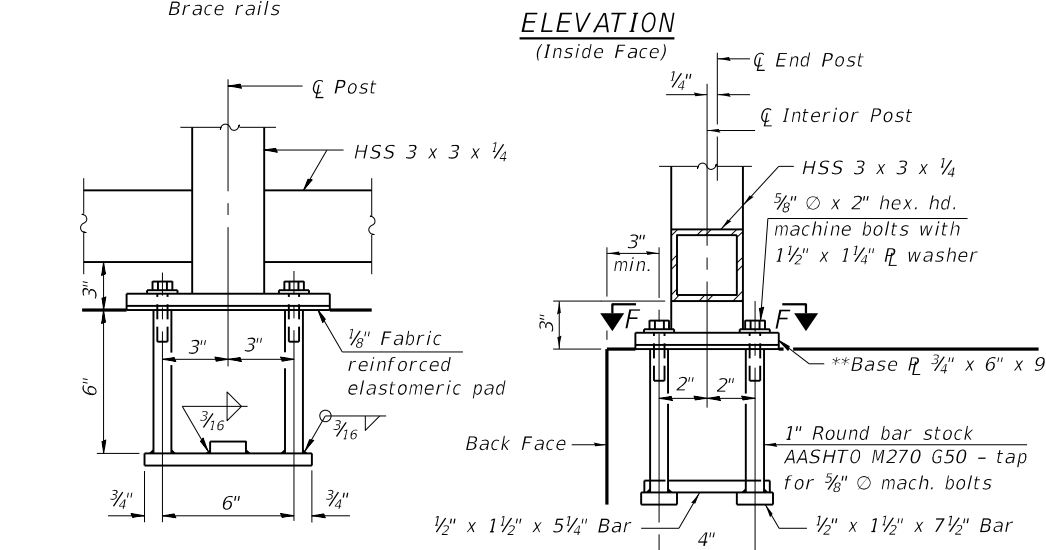
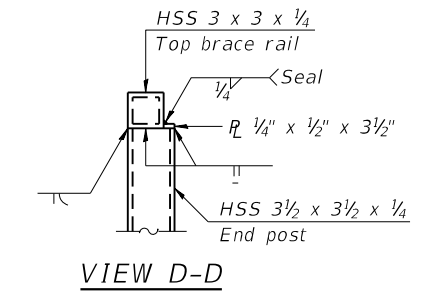
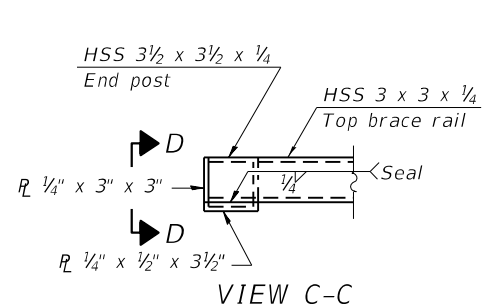
SHEET 15 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	63
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

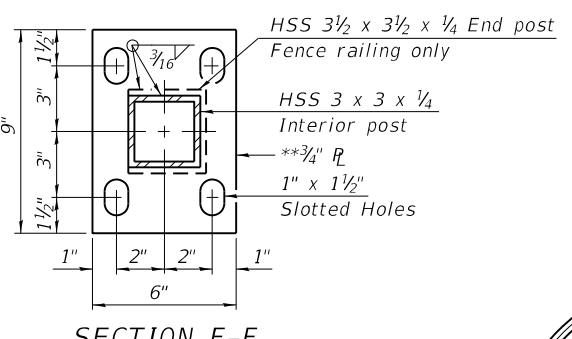
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



SECTION B-B
* Assume 3/8" radius. Dimensions may need to be modified for larger joints to avoid gaps greater than 6".

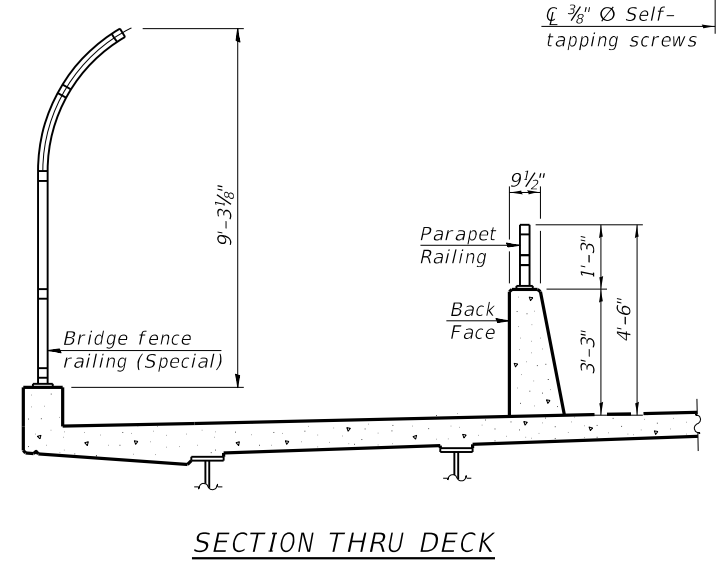


ANCHOR BOLT DETAILS
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

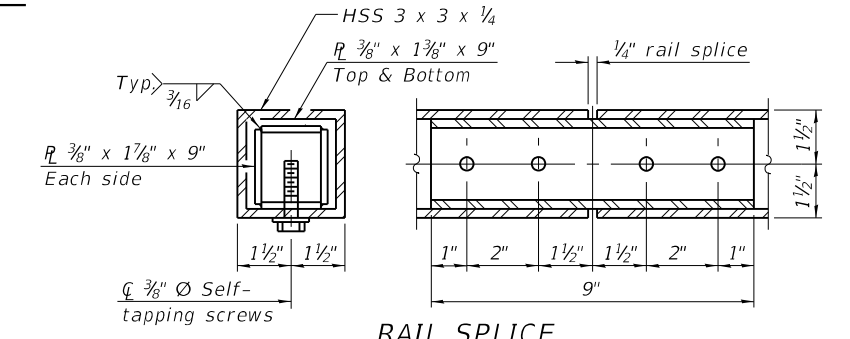


SECTION F-F
HSS 3 1/2 x 3 1/2 x 1/4 End post
Fence railing only
HSS 3 x 3 x 1/4 Interior post
**3/4" R
1" x 1 1/2" Slotted Holes

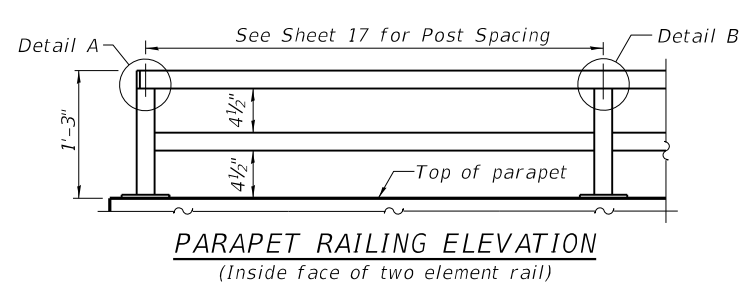
Notes:
Place reinforcement bars to miss anchor rod locations.
All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
CVN testing is not required for the HSS tubing used in the Bridge Fence Railing.
See aesthetic drawings for additional panel details and finishes.
See Special Provision for "Perforated Metal Panels: Aesthetic Treatments."



SECTION THRU DECK



RAIL SPLICE



PARAPET RAILING ELEVATION
(Inside face of two element rail)

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing (Special)	Foot	197
Parapet Railing	Foot	257

MODEL: 78619-16
FILE NAME: Z:\0 V and K Jobs\5244-002 Westminister Road over I-57 Williamson County Phase I\CADD Sheets\5244-002-shl-structure.dgn
3/21/2022 1:20:02 PM

R-33 Modified 10-12-2021

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

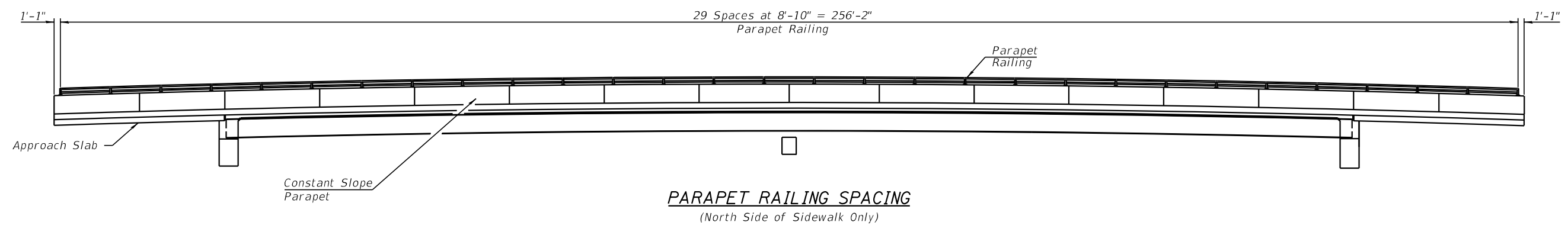
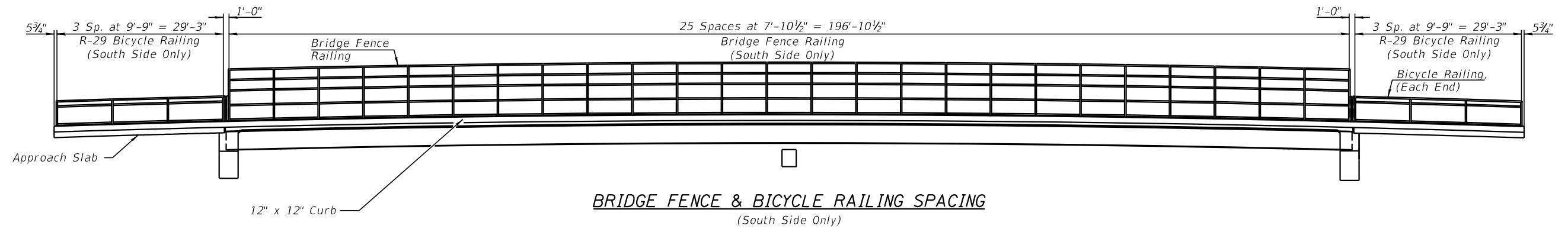
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PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE FENCE RAILING
STRUCTURE NO. 100-0104

SHEET 16 OF 33 SHEETS

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 64
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



MODEL: S:\MODEL\NAMES
FILE NAME: SFILES

VK VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = _____	DESIGNED - KS	REVISED - _____
CHECKED - TRC	DRAWN - JRP	REVISED - _____
PLOT SCALE = _____	CHECKED - _____	REVISED - _____
PLOT DATE = 1-11-2022		

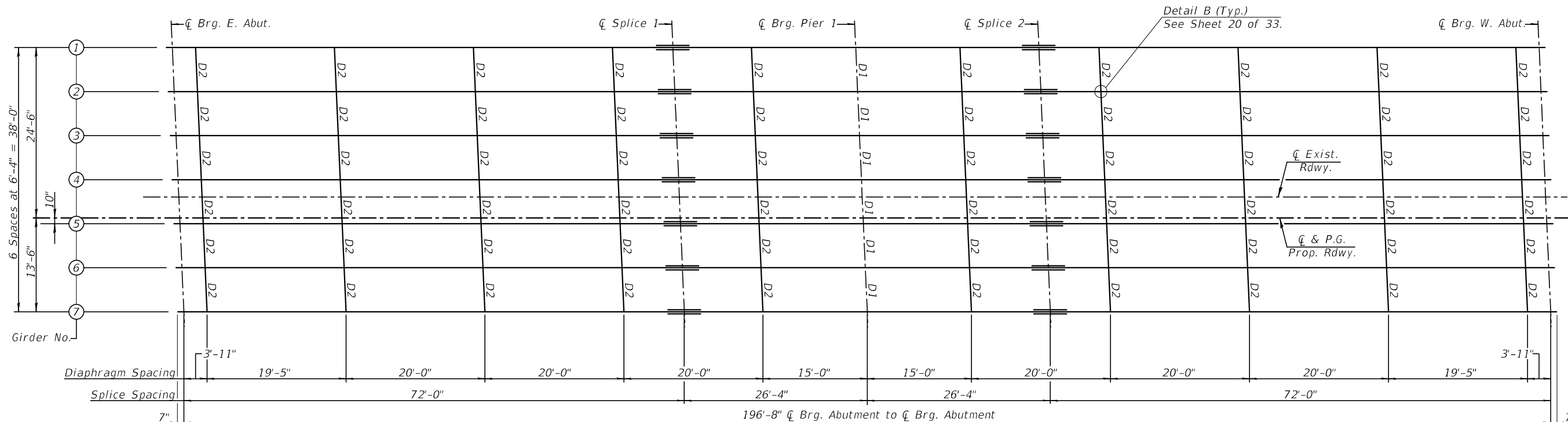
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FENCE AND RAILING SPACING
STRUCTURE NO. 100-0104**

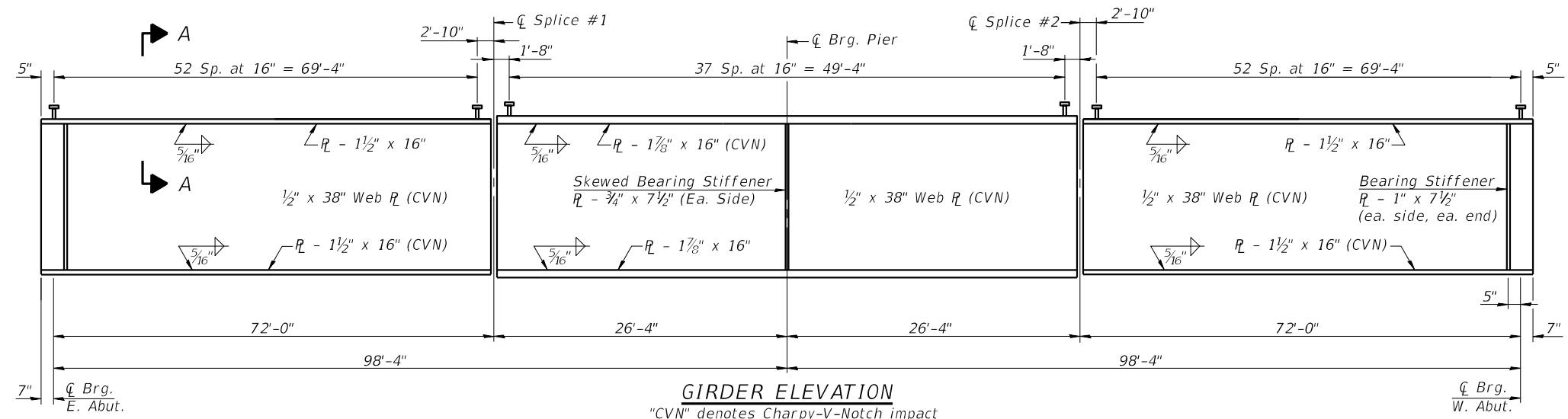
SHEET 17 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	65
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

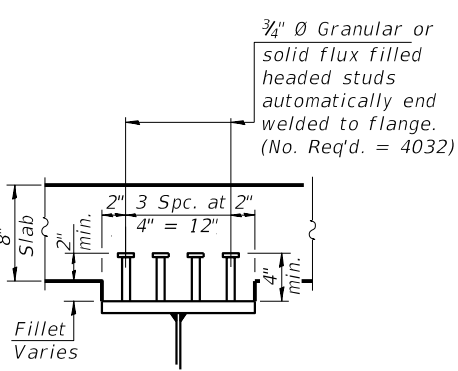
SDATES \$TIMES



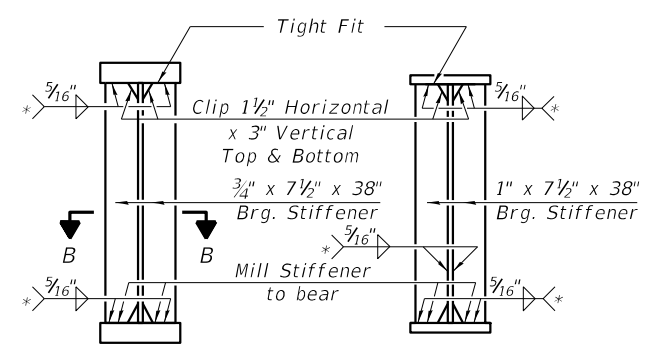
FRAMING PLAN



GIRDER ELEVATION
"CVN" denotes Charpy-V-Notch impact energy requirements, Zone 2.

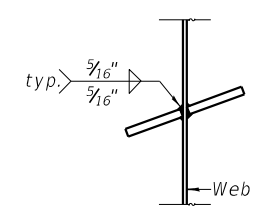


SECTION A-A

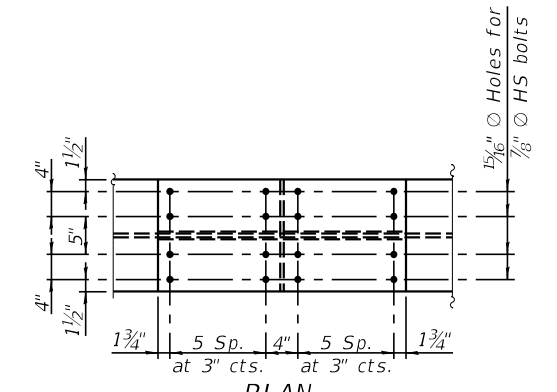


SECTION AT PIER
SECTION AT ABUTMENT

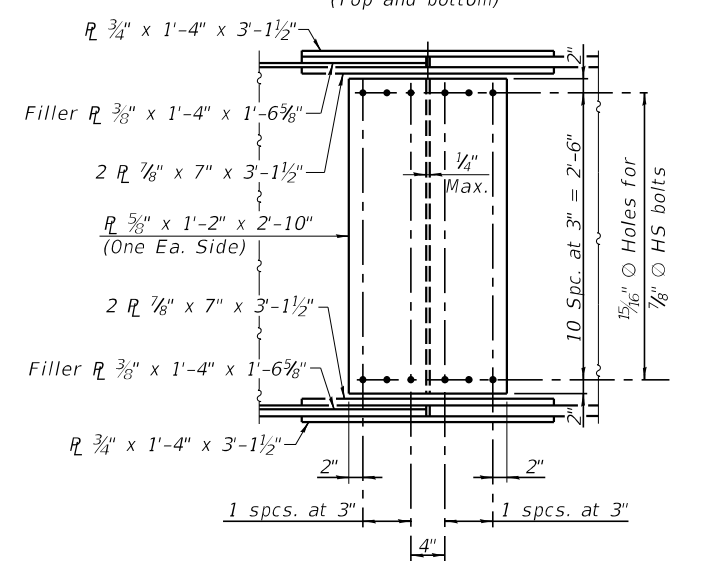
* Terminate 1/4" ($\pm 1/8"$) from the end of plate intersects.



SECTION B-B



PLAN
(Top and bottom)



ELEVATION SPLICES 1 & 2
(14 required)

Notes:
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
AASHTO M270 Grade 50 steel shall be used for all flange plates, web plates, splice plates, fill plates, bearing stiffeners and diaphragm connection plates.
AASHTO M270 Grade 36 steel may be used for diaphragms.

USER NAME =	DESIGNED - KS	REVISED -
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	CHECKED -	REVISED -

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 66
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1	Pier	0.6 Sp. 2
Is	(in ⁴)	21018	26154	21018
Ic(n)	(in ⁴)	43787	51730	43787
Ic(3n)	(in ⁴)	32978	39047	32978
Ic(Cr)	(in ⁴)	---	29783	---
Ss	(in ³)	1025	1253	1025
Sc(n)	(in ³)	1284	1537	1284
Sc(3n)	(in ³)	1191	1427	1191
Sc(Cr)	(in ³)	---	1311	---
DC1	(k/')	0.937	0.985	0.937
MDC1	('k)	602	-1216	602
DC2	(k/')	0.184	0.184	0.184
MDC2	('k)	119	-238	119
DW	(k/')	0.286	0.286	0.286
MDW	('k)	184	-369	184
LLDF		0.537	0.537	0.537
M _L + IM	('k)	1154	-1272	1154
Mu (Strength I)	('k)	3197	-4027	3197
Øf Mn	('k)	6179	-6402	6179
fs DC1	(ksi)	7.0	11.6	7.0
fs DC2	(ksi)	1.2	2.0	1.2
fs DW	(ksi)	1.9	3.4	1.9
fs (L+IM)	(ksi)	10.8	11.7	10.8
fs(Service II)	(ksi)	24.1	32.2	24.1
0.95Rh Fyf	(ksi)	47.5	47.5	47.5
fs (Total)(Strength I)	(ksi)	32.0	42.6	32.0
Øf Fn	(ksi)	43.0	46.2	43.0
Vf	(k)	19.8	29.2	19.8

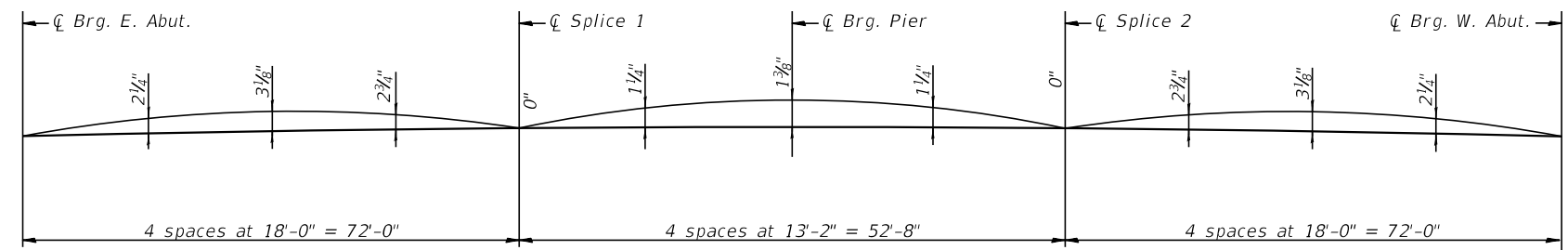
GIRDER REACTION TABLE							
	E. Abut.		Pier		W. Abut.		
	Interior	Exterior	Interior	Exterior	Interior	Exterior	
LLDF	0.695	0.553	0.695	0.553	0.695	0.553	
OCF	---	1.0087	---	---	---	1.0087	
RDC1	(k)	33.6	34.2	118.5	120.7	33.6	34.2
RDC2	(k)	6.6	6.6	22.9	22.9	6.6	6.6
RDW	(k)	10.3	10.3	35.6	35.6	10.3	10.3
R _L	(k)	63.1	50.6	121.9	97.0	63.1	50.6
R _{IM}	(k)	14.5	11.7	23.8	18.9	14.5	11.7
RTotal	(k)	128.1	113.4	322.7	295.1	128.1	113.4

* TOP OF WEB ELEVATIONS

Location	℄ Brg. E. Abut.	℄ Splice 1	℄ Brg. Pier	℄ Splice 2	℄ Brg. W. Abut.
Girder 1	490.72	491.67	491.73	491.56	490.35
Girder 2	490.83	491.77	491.83	491.66	490.43
Girder 3	490.93	491.86	491.92	491.75	490.52
Girder 4	491.03	491.96	492.02	491.84	490.61
Girder 5	491.10	492.03	492.09	491.91	490.67
Girder 6	491.02	491.94	491.99	491.81	490.57
Girder 7	490.93	491.84	491.90	491.71	490.47

* For fabrication only

- Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).
- Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) due to short-term composite live loads (in.⁴ and in.³).
- Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked section, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- MDC1: 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.).
- MDC2: 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.).
- MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M_L + IM: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- Mu (Strength I): Factored design moment (kip-ft.).
1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_L + IM
- ØfMn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
- fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1 / Ss
- fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2 / Sc(3n) or MDC2 / Sc(cr) as applicable.
- fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
MDW / Sc(3n) or MDW / Sc(cr) as applicable.
- fs (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
M (L + IM) / Sc(n) or M (L + IM) / Sc(cr) as applicable.
- fs (Service II): Sum of stresses as computed below (ksi).
fsDC1 + fsDC2 + fsDW + 1.3 fs (L + IM)
- 0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
- fs (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
1.25 (fsDC1 + fsDC2) + 1.5 fsDW + 1.75 fs (L + IM)
- Øf Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
- Vf: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.
- LLDF: Live load distribution factor for moment and shear
- OCF: Obtuse correction factor



CAMBER DIAGRAM

MODEL: SMODELNAMES
FILE NAME: SFILES



USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
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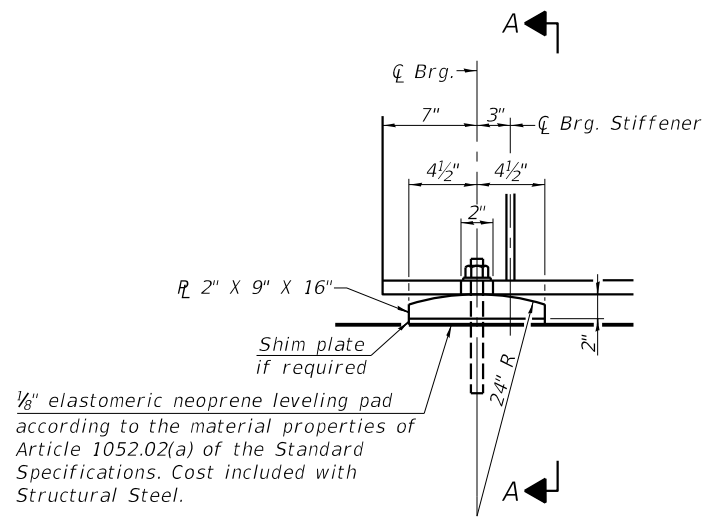
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 100-0104

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	67
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

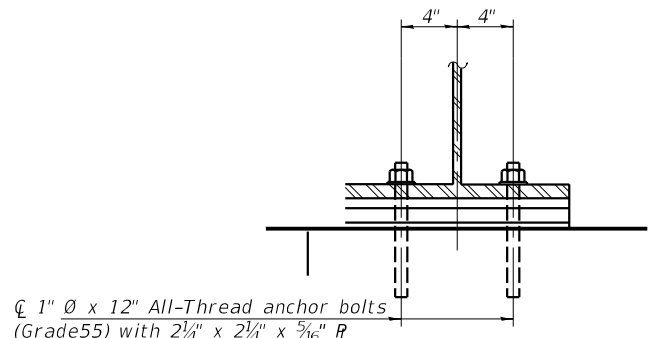
SHEET 19 OF 33 SHEETS

SDATES \$TIMES



1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

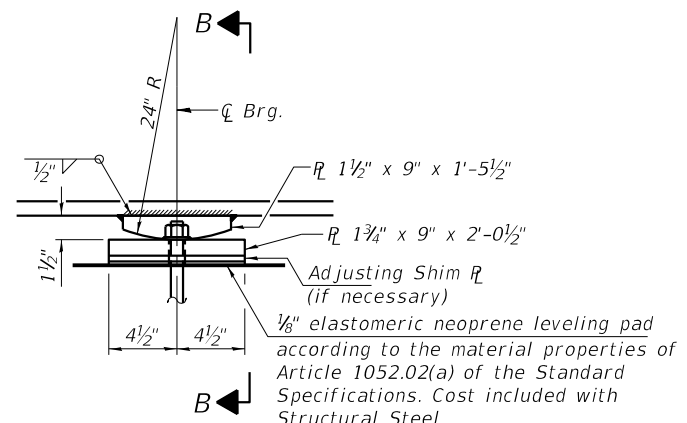
ELEVATION



1" \varnothing x 12" All-Thread anchor bolts (Grade 55) with 2 1/4" x 2 1/4" x 3/16" \varnothing washer under nut. 1 3/8" x 2" slotted holes in flange. 1 1/2" \varnothing holes in bearing plate.

SECTION A-A

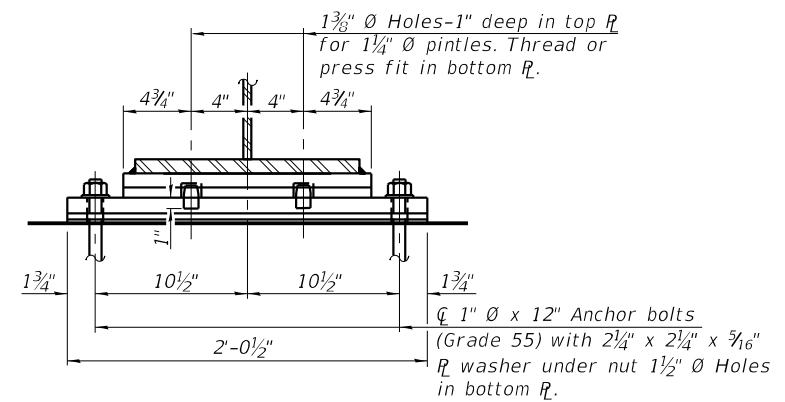
FIXED BEARING AT ABUTMENT
(14 Required)



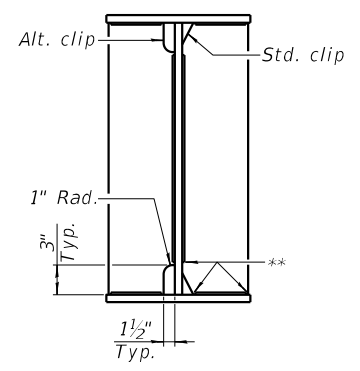
1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

ELEVATION AT PIER

FIXED BEARING AT PIER
(7 Required)



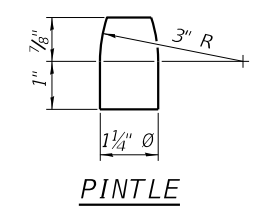
SECTION B-B



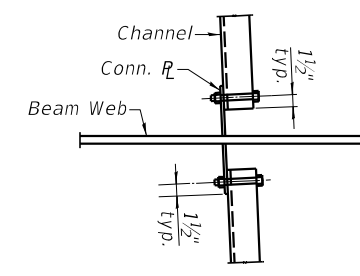
WELD LIMITS AND CLIP DETAILS

** Stop welds 1/4" ($\pm 1/8$ ") from edges as shown. Typical.

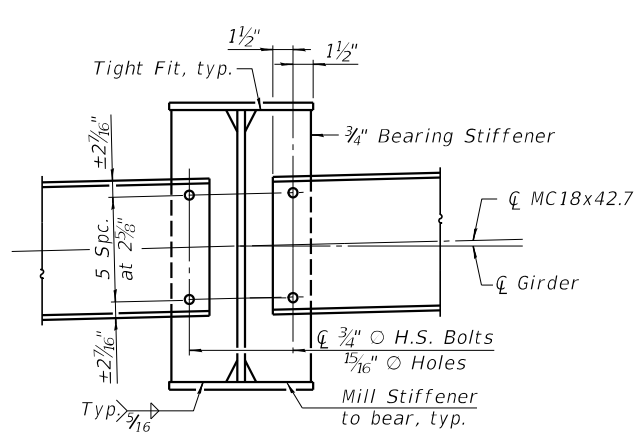
Notes:
Anchor bolts shall be according to Article 521.06 of the Standard Specifications.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on the bearing details.
The anchor bolt size and grade shown at the pier constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade anchor bolts will not be allowed.
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.



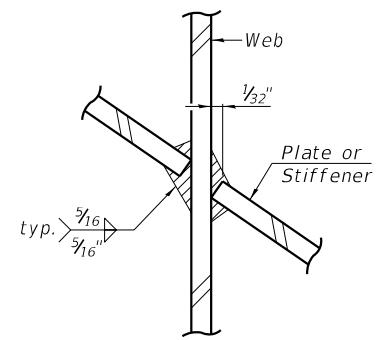
PINTLE



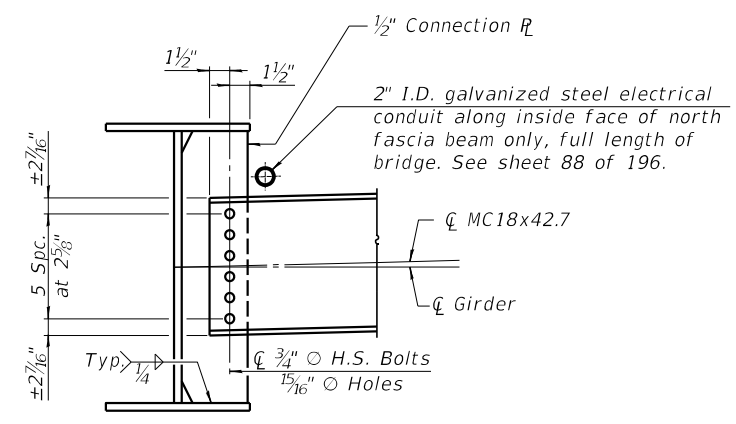
DETAIL B



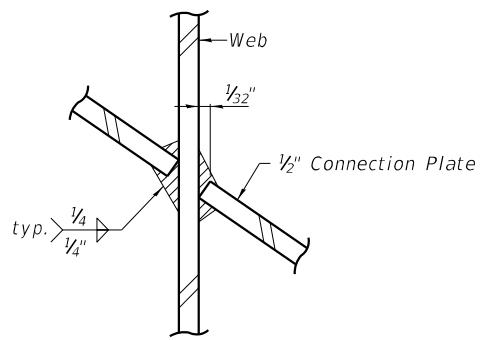
DIAPHRAGM D1



DIAPHRAGM D1 WELD DETAIL



DIAPHRAGM D2

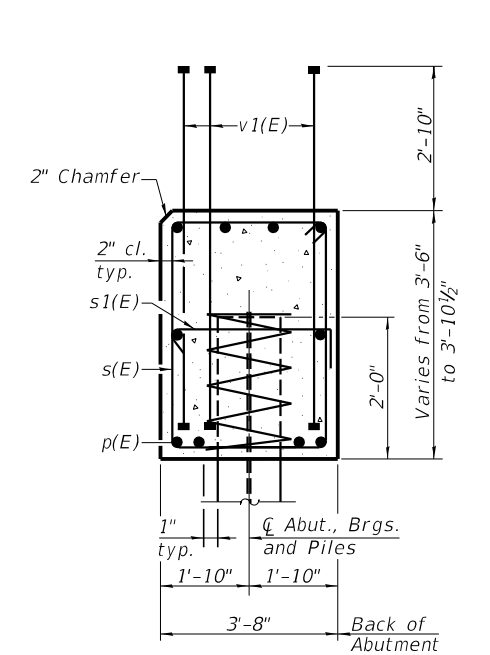
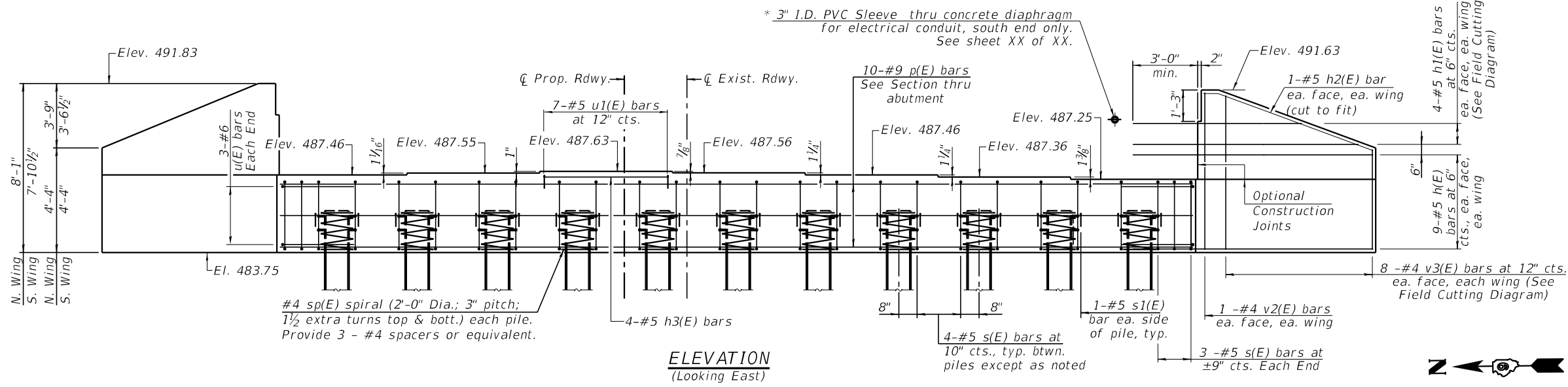


DIAPHRAGM D2 WELD DETAIL

Notes:
Two hardened washers required for each set of oversized holes.
Alternate channels of equal depth and larger weight are permitted to facilitate material acquisition. Alternate channels, if utilized shall be provided at no additional cost to the Department.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	42

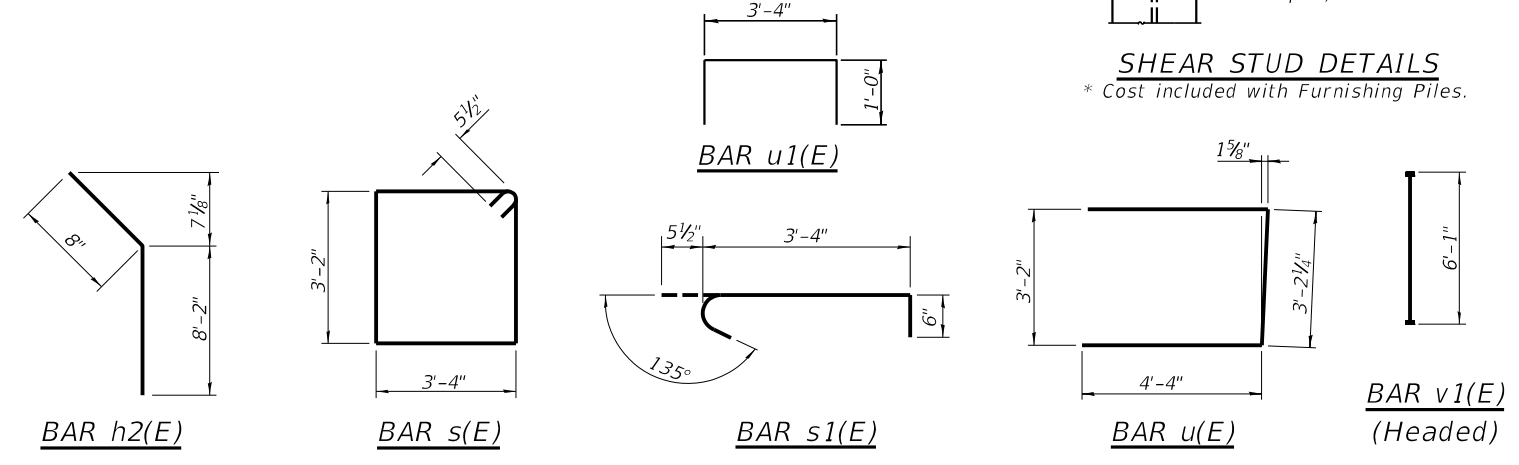
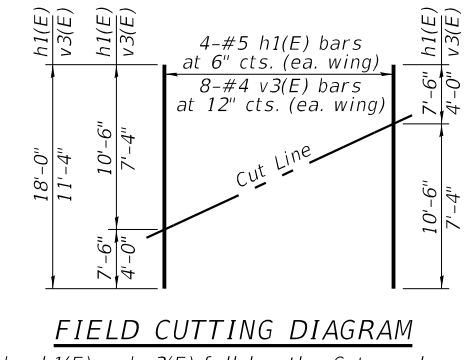
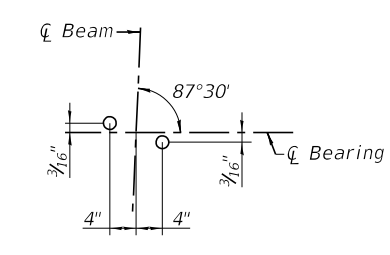
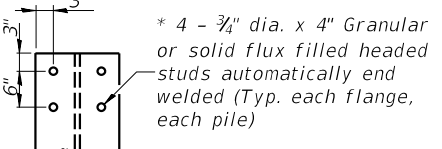
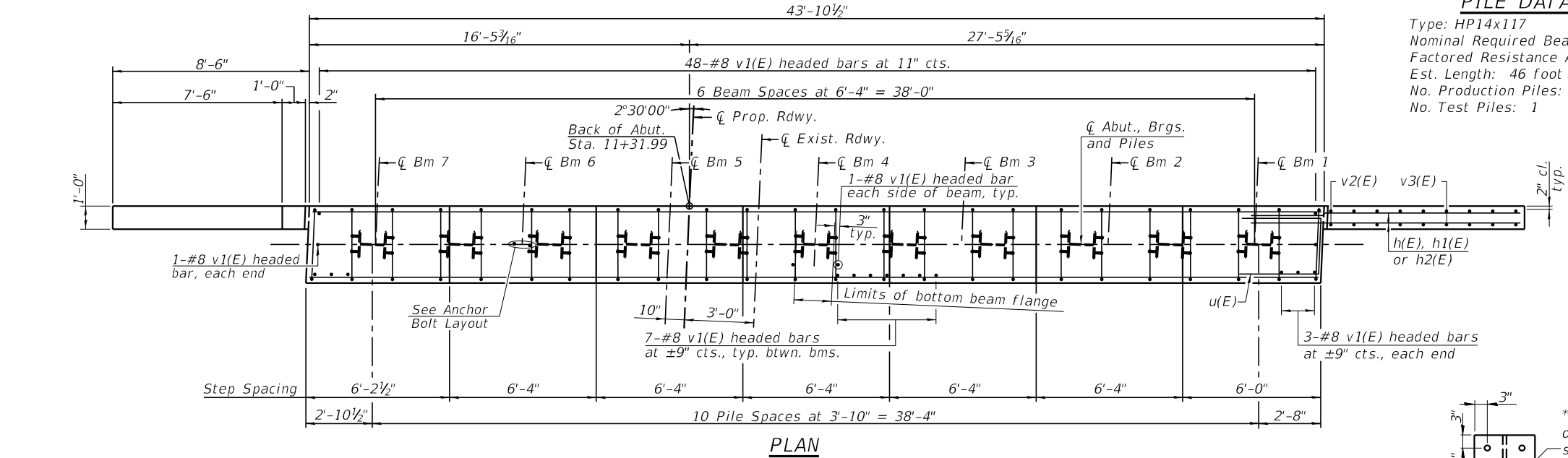


PILE DATA
 Type: HP14x117
 Nominal Required Bearing: 446 kips
 Factored Resistance Available: 245 kips
 Est. Length: 46 foot
 No. Production Piles: 10
 No. Test Piles: 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#5	11'-6"	—
h1(E)	8	#5	18'-0"	—
h2(E)	4	#5	8'-10"	—
h3(E)	4	#5	6'-0"	—
p(E)	10	#9	43'-6"	—
s(E)	46	#5	13'-11"	□
s1(E)	22	#5	4'-4"	┌
sp(E)	11	#4	2'-0"	⊘
u(E)	6	#6	11'-10"	└
u1(E)	7	#5	5'-4"	┌
v1(E)	98	#8	6'-1"	—
v2(E)	4	#4	7'-6"	—
v3(E)	16	#4	11'-4"	—
Structure Excavation				Cu. Yd. 105
Concrete Structures				Cu. Yd. 26.2
Reinforcement Bars, Epoxy Coated				Pound 5,280
Furnishing Steel Piles HP14x117				Foot 460
Driving Piles				Foot 460
Test Pile Steel HP14x117				Each 1

Notes:
 For details of piles see Sheet 25 of 33.
 Pour steps monolithically with cap.
 Headed bars shall conform to ASTM A970 with threaded attachments Class HA and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 See aesthetic drawings for additional abutment & wingwall details and finishes.
 ** Length is height of spiral.



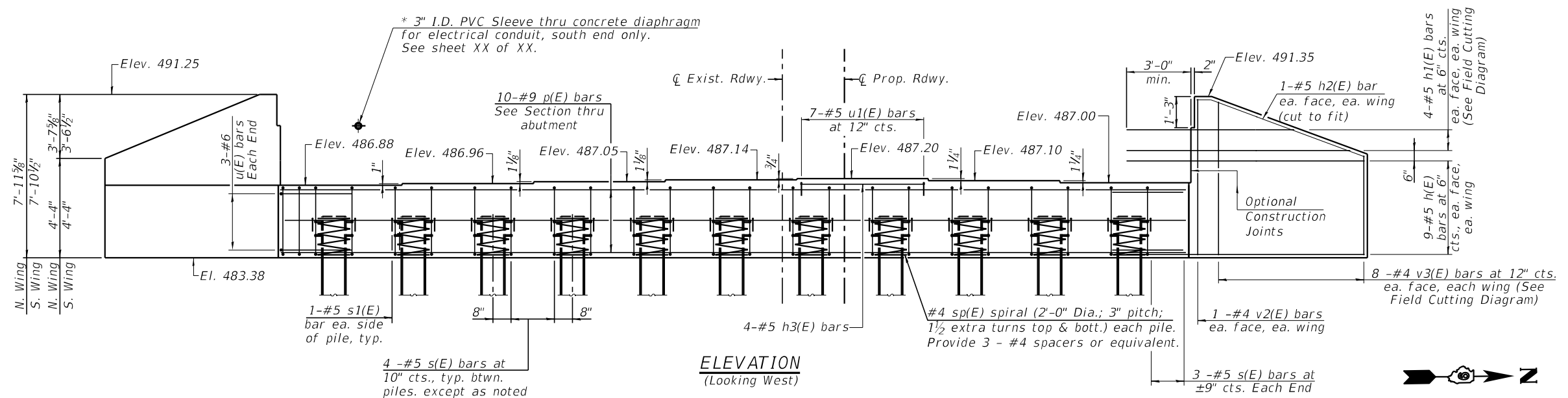
VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

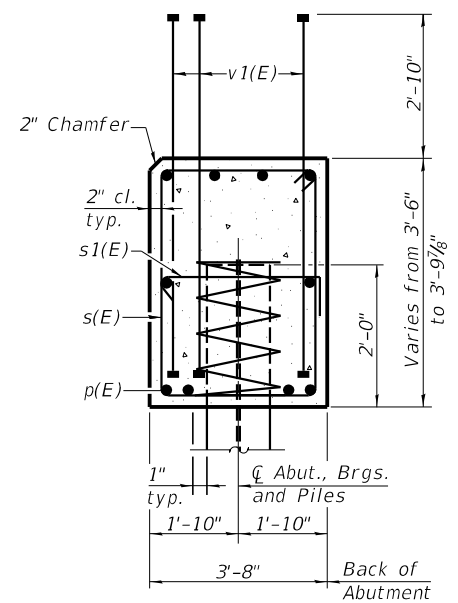
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 100-0104

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 69
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

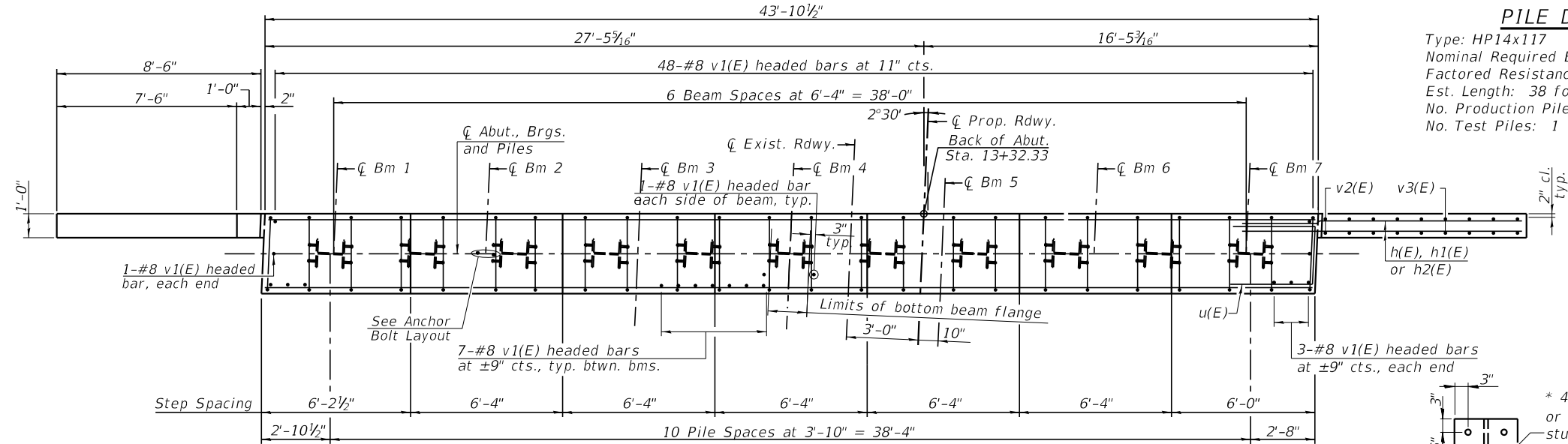


ELEVATION
(Looking West)



SEC. THRU ABUT.

Dimensions at right angles to abutment.



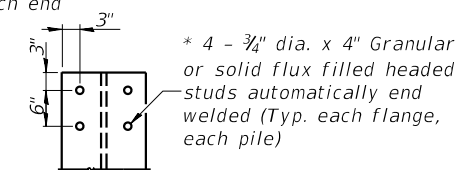
PLAN

PILE DATA

Type: HP14x117
 Nominal Required Bearing: 446 kips
 Factored Resistance Available: 245 kips
 Est. Length: 38 foot
 No. Production Piles: 10
 No. Test Piles: 1

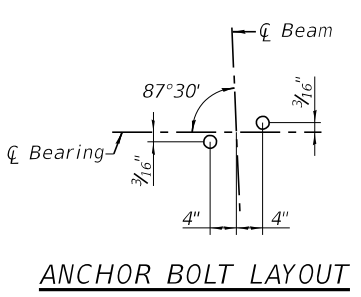
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#5	11'-6"	—
h1(E)	8	#5	18'-0"	—
h2(E)	4	#5	8'-10"	—
h3(E)	4	#5	6'-0"	—
p(E)	10	#9	43'-6"	—
s(E)	46	#5	13'-11"	□
s1(E)	22	#5	4'-4"	┌
sp(E)	11	#4	2'-0"	⌀
u(E)	6	#6	11'-10"	┌
u1(E)	7	#5	5'-4"	┌
v1(E)	98	#8	6'-1"	—
v2(E)	4	#4	7'-6"	—
v3(E)	16	#4	11'-4"	—
Structure Excavation				Cu. Yd. 105
Concrete Structures				Cu. Yd. 25.9
Reinforcement Bars, Epoxy Coated				Pound 5,280
Furnishing Steel Piles HP14x117				Foot 380
Driving Piles				Foot 380
Test Pile Steel HP14x117				Each 1

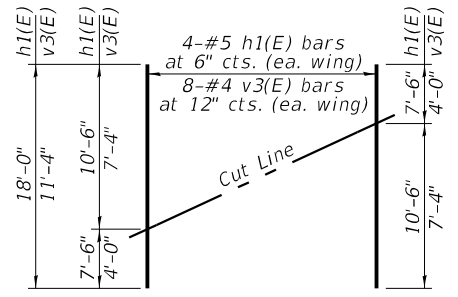


SHEAR STUD DETAILS

* Cost included with Furnishing Piles.

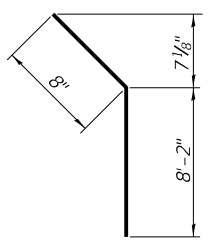


ANCHOR BOLT LAYOUT

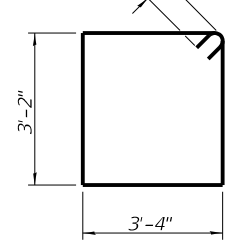


FIELD CUTTING DIAGRAM

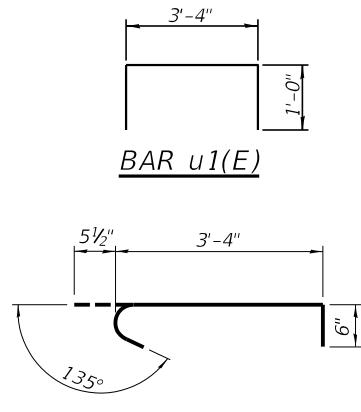
Order h1(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face.



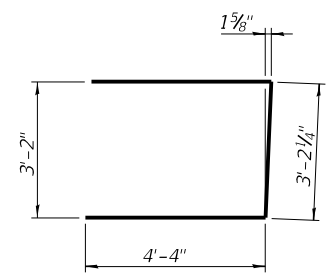
BAR h2(E)



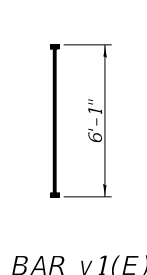
BAR s(E)



BAR s1(E)



BAR u(E)



BAR v1(E) (Headed)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 100-0104

SHEET 22 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	70
CONTRACT NO. 78619				

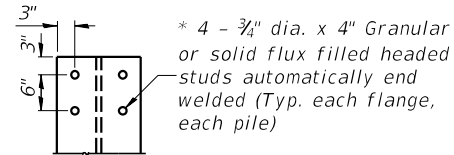
VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISIONS
KS	KS	1
TRC	TRC	2
JRP	JRP	3

SDATES \$TIMES

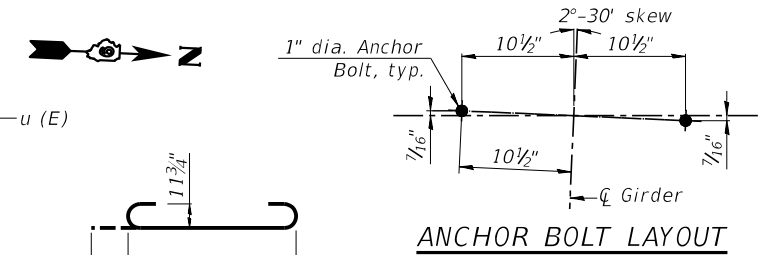
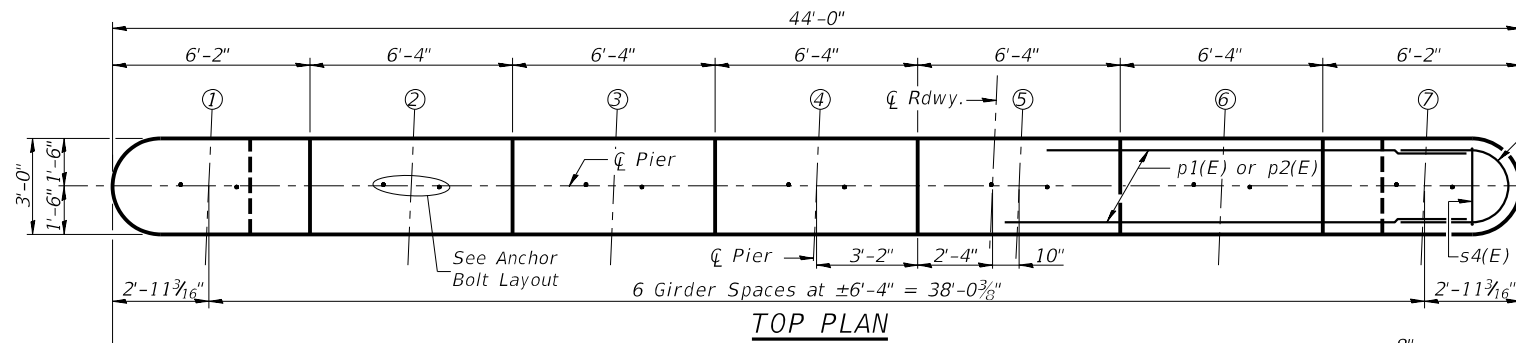
ILLINOIS FED. AID PROJECT

Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For details of piles, see sheet 25 of 33.
 See aesthetic drawings for additional pier details and finishes.

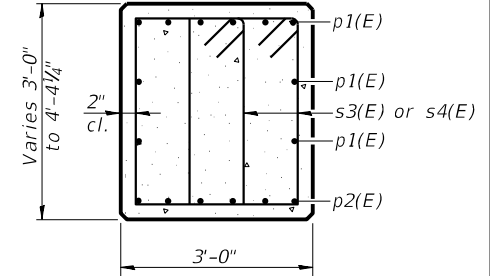


SHEAR STUD DETAILS

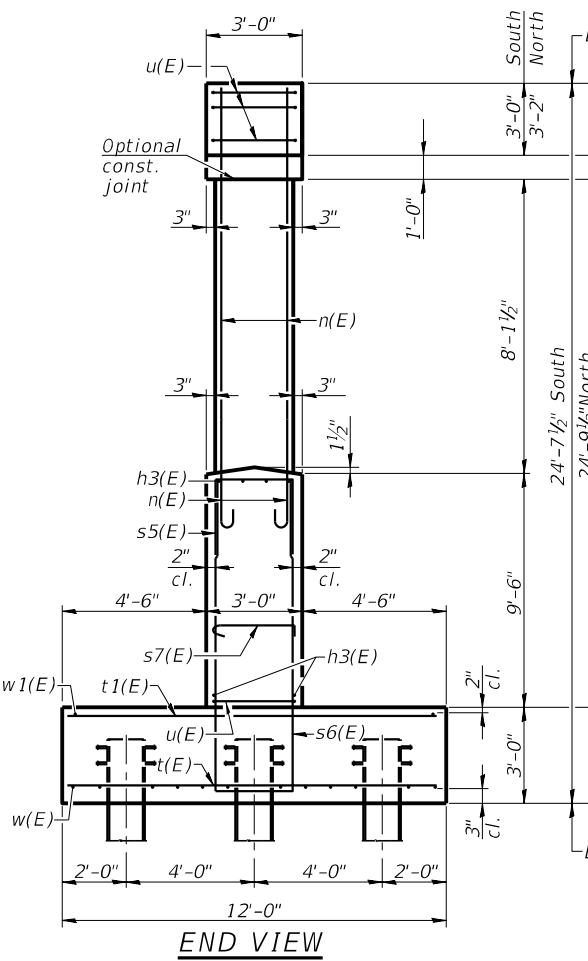
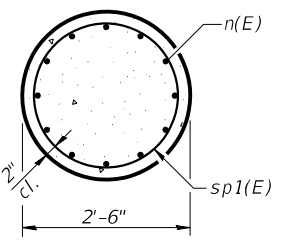
* Cost included with Furnishing Piles.



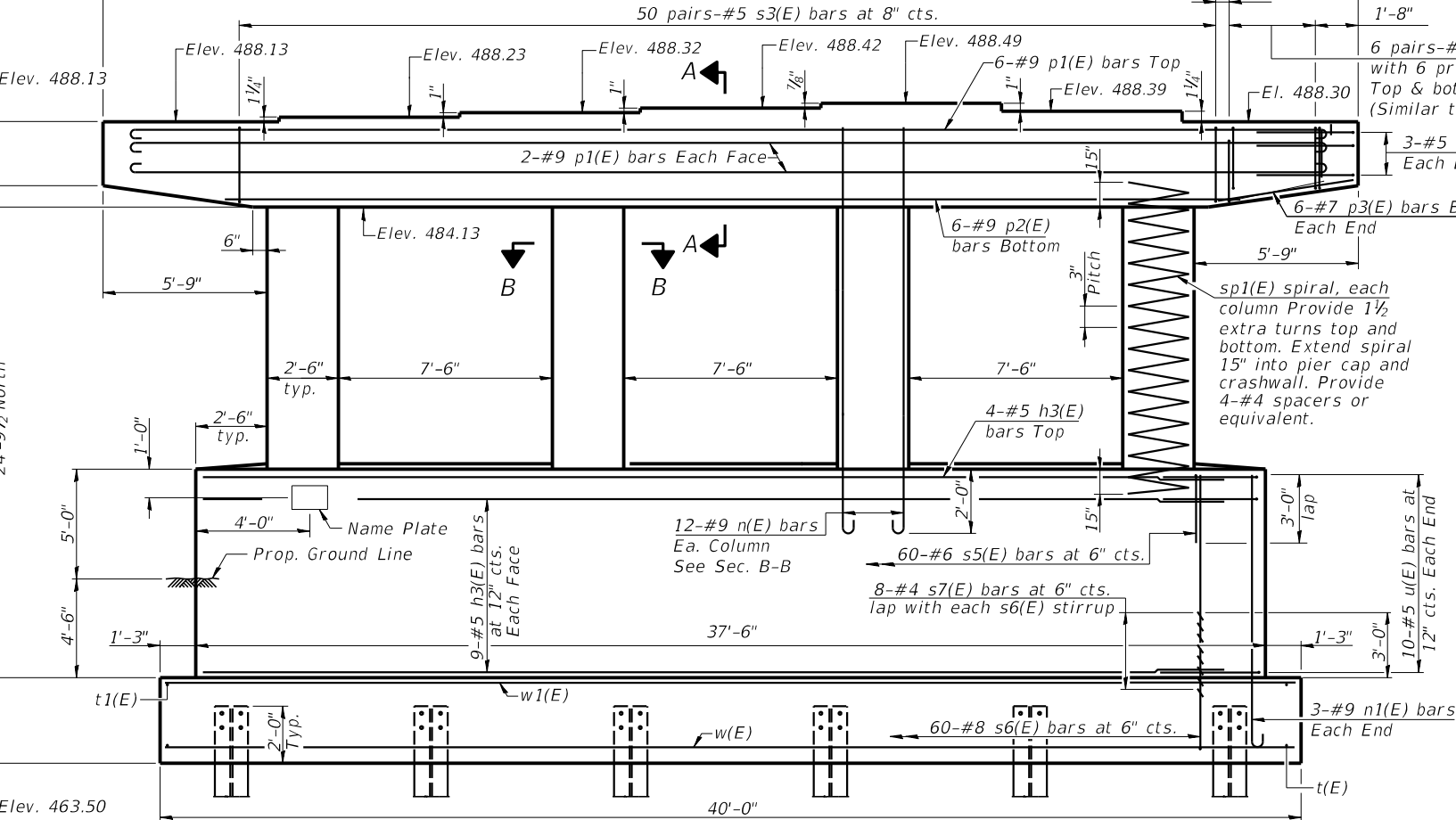
BAR p1(E)



SEC. B-B



END VIEW



ELEVATION (Looking West)

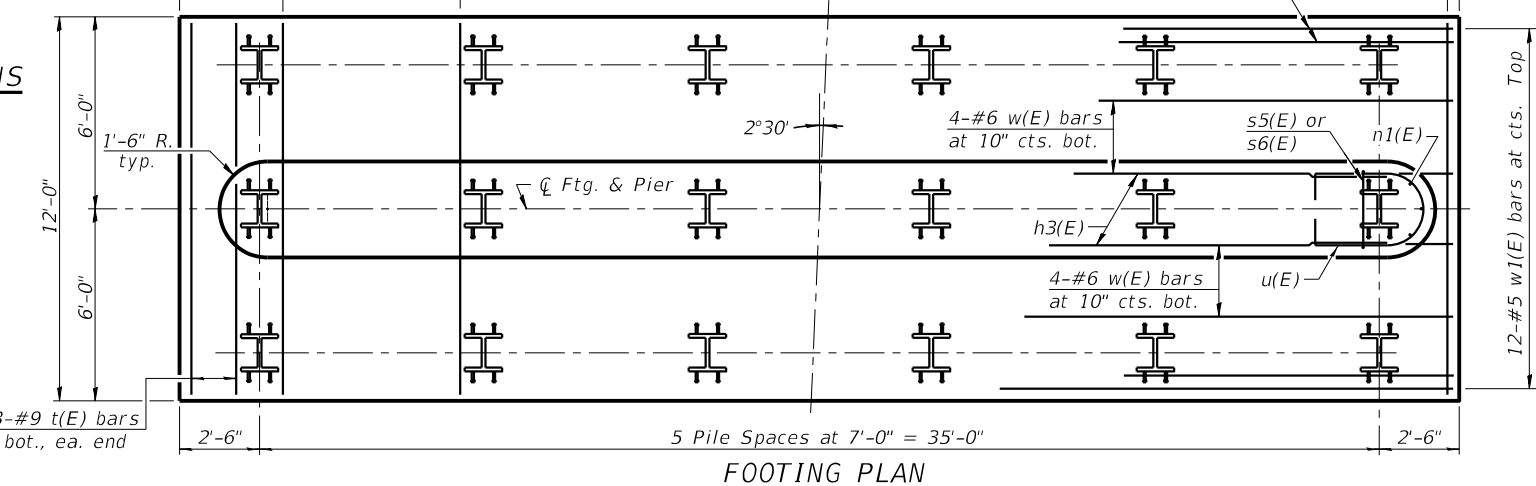
A & B DIMENSIONS

Bar	A	B
s4(E)	1'-9"	2'-10"
s5(E)	2'-7"	3'-0"
s6(E)	2'-7"	12'-0"

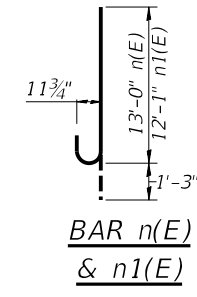
BARS s4(E), s5(E) & s6(E)

PILE DATA

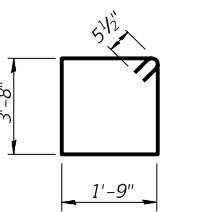
Type: HP 14x117
 Nominal Required Bearing: 545k
 Factored Resistance Available: 300k
 Est. Length: 22'
 No. Production Piles: 17
 No. Test Piles: 1



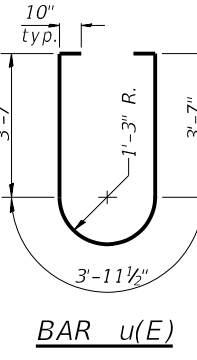
FOOTING PLAN



BAR n(E) & n1(E)



BAR s3(E)



BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	22	#5	34'-6"	—
n(E)	48	#9	14'-5"	U
n1(E)	6	#9	13'-4"	U
p1(E)	10	#9	43'-6"	U
p2(E)	6	#9	33'-6"	U
p3(E)	12	#7	5'-2"	—
s3(E)	100	#5	11'-9"	U
s4(E)	48	#5	7'-5"	U
s5(E)	60	#6	8'-7"	U
s6(E)	60	#8	26'-7"	U
s7(E)	480	#4	3'-8"	U
sp1(E)	4	#5	10'-8"	W
t(E)	46	#9	11'-8"	—
t1(E)	40	#5	11'-8"	—
u(E)	26	#5	12'-10"	U
w(E)	12	#6	39'-8"	—
w1(E)	12	#5	39'-8"	—
Concrete Structures	Cu. Yd.		117.9	
Reinforcement Bars, Epoxy Coated	Pound		18,600	
Furnishing Steel Piles HP 14x117	Foot		374	
Driving Piles	Foot		374	
Test Pile Steel HP 14x117	Each		1	

**

** Length is height of spiral.

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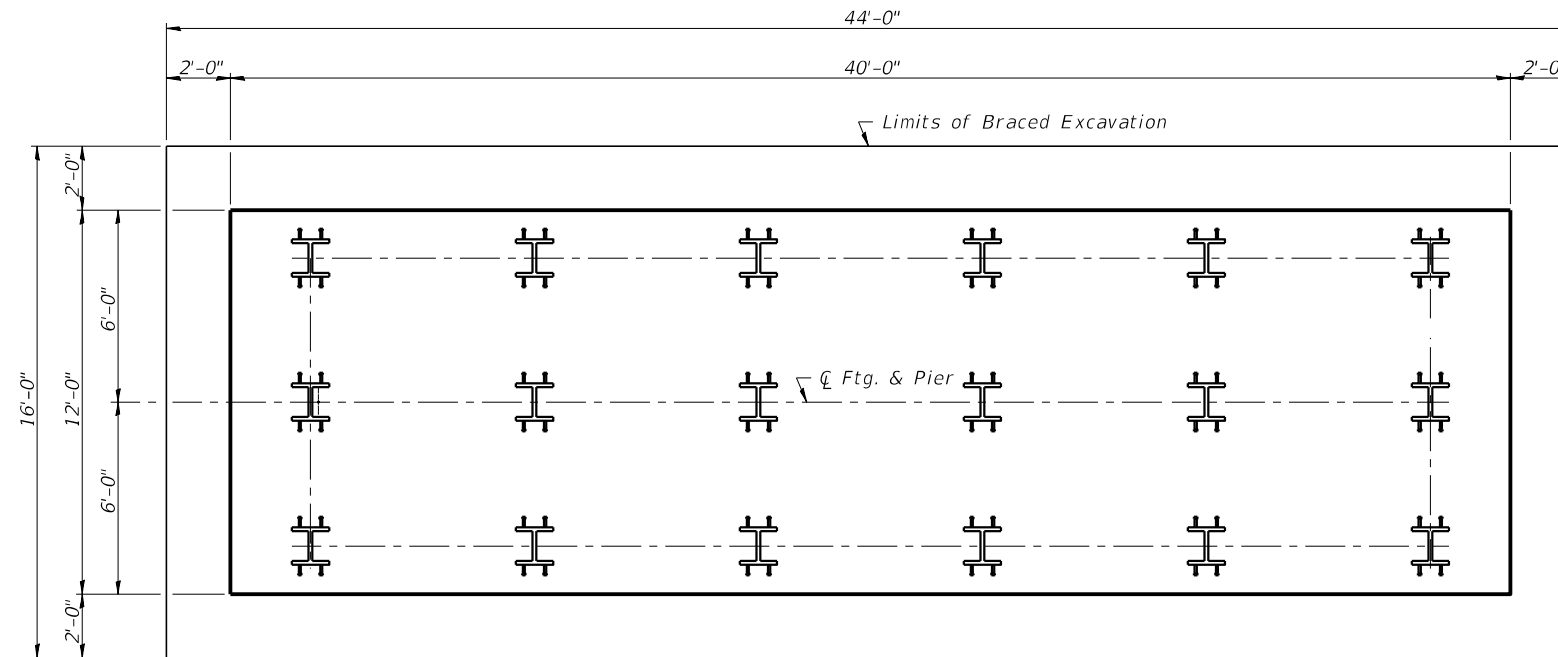
USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

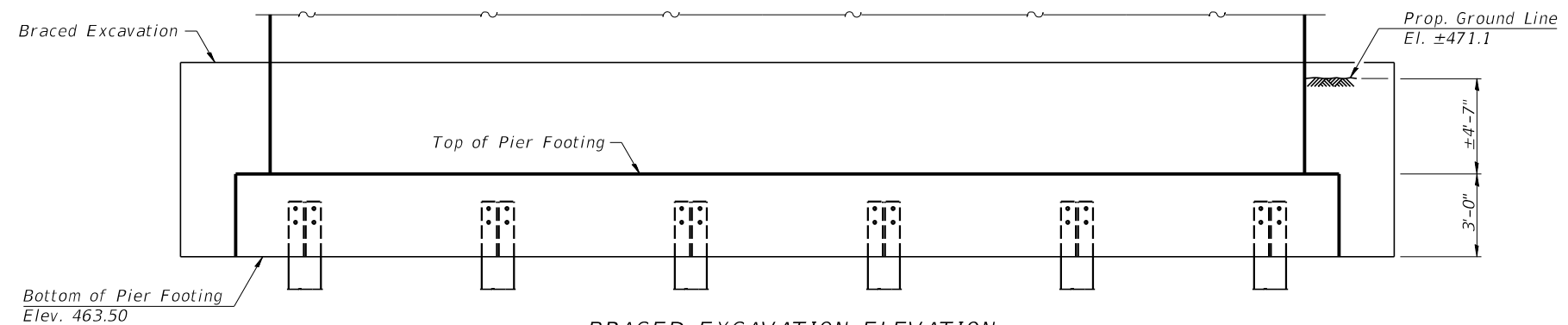
**PIER
 STRUCTURE NO. 100-0104**

SHEET 23 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	71
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



BRACED EXCAVATION PLAN



BRACED EXCAVATION ELEVATION

Notes:
 Braced Excavation shall be completed in accordance with Special Provision for Braced Excavation.

BILL OF MATERIAL

Item	Unit	Quantity
Braced Excavation	Cu. Yd.	199.0

MODEL: S:\MODEL\NAMES
 FILE NAME: SFILES

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

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	CHECKED - TRC	REVISED - _____
PLOT SCALE = _____	DRAWN - JRP	REVISED - _____
PLOT DATE = 1-11-2022	CHECKED - _____	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

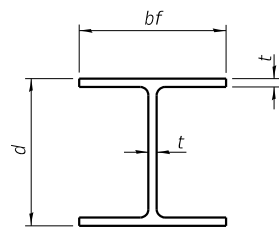
BRACED EXCAVATION DETAILS
 STRUCTURE NO. 100-0104

SHEET 24 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	72
CONTRACT NO. 78619				

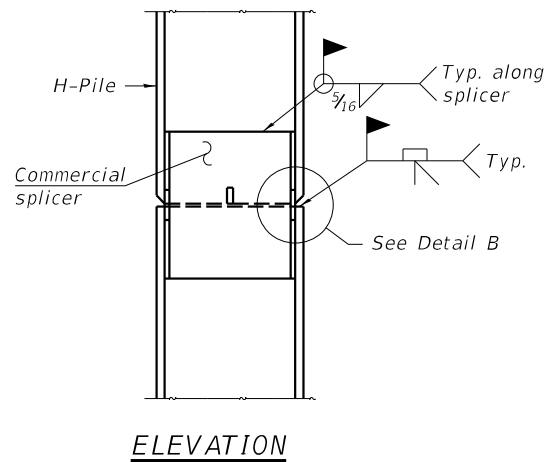
ILLINOIS FED. AID PROJECT

SDATES \$TIMES

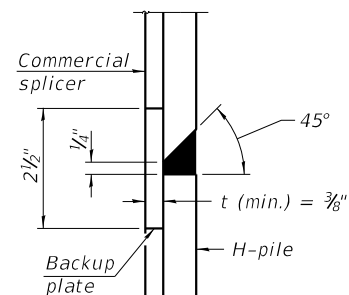


STEEL PILE TABLE

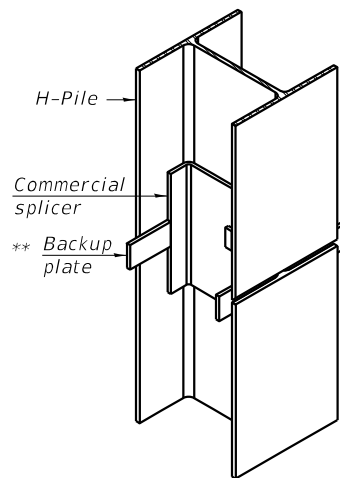
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
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

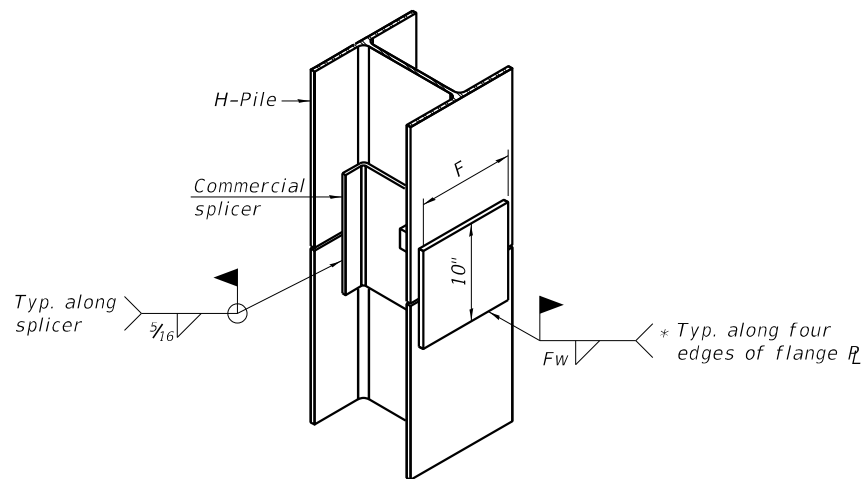


DETAIL "B"



ISOMETRIC VIEW

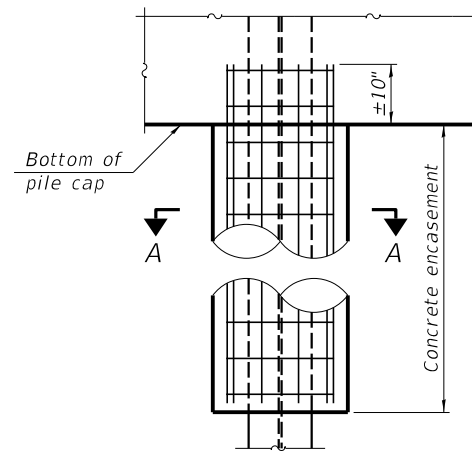
WELDED COMMERCIAL SPLICE



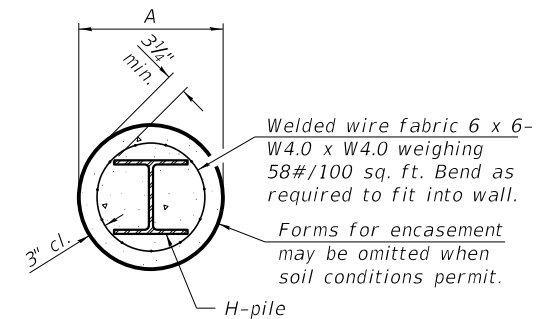
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (3/16" min.).

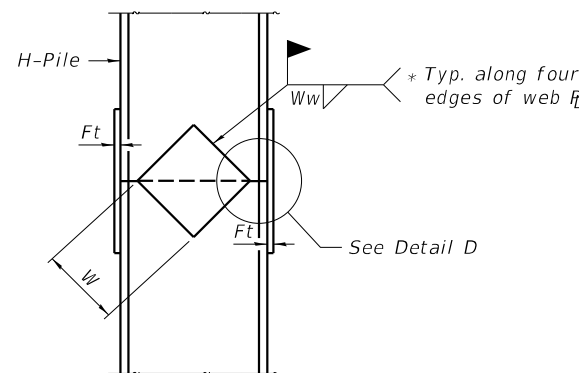


ELEVATION

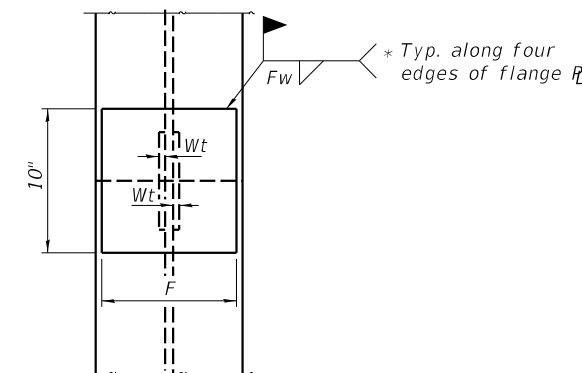


SECTION A-A

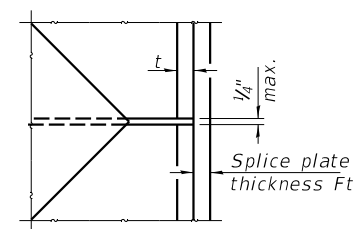
INDIVIDUAL PILE CONCRETE ENCASUREMENT (when specified)



ELEVATION



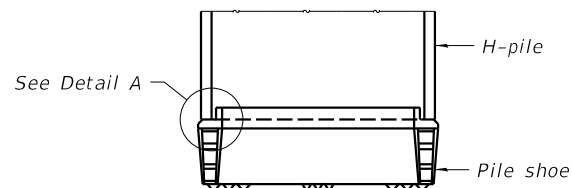
END VIEW



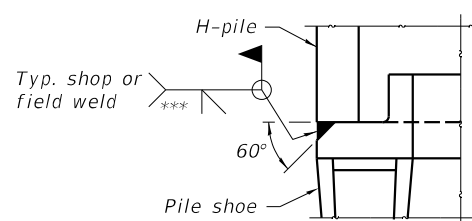
DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	3/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	3/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	3/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	3/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	3/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	3/8"	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"



ELEVATION



DETAIL A

SHOE ATTACHMENT

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

F-HP 1-1-2020

MODEL: SMODELNAMES
FILE NAME: SFILES

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = _____
DESIGNED - KS
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PLOT SCALE = _____
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PLOT DATE = 1-11-2022
CHECKED - _____
REVISED - _____

DESIGNED - KS
CHECKED - TRC
DRAWN - JRP
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REVISED - _____

REVISED - _____
REVISED - _____
REVISED - _____
REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HP PILE DETAILS
STRUCTURE NO. 100-0104**

SHEET 25 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	73
CONTRACT NO. 78619				
ILLINOIS / FED. AID PROJECT				

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log

Westminster Drive Over FAI 57

Sheet 1 of 2

Route: FAI 57 Structure Number: 100-0055 Date: 9/18/2017

Section X1-6HB-3 Bored By: R Moberly

County: Williamson Location: 0.25 mi E of WCI Marion Checked By: A Hayes

Boring No 1-S (2017)

Station 11+19

Offset 8' Lt CL

Ground Surface 490.0 Ft

DEPTH	BLOW	Qu	W%	Surf Wat Elev:	DEPTH	BLOW	Qu	W%
H	S	tsf		Ground Water Elevation	H	S	tsf	
				when Drilling 445.5				
				At Completion				
				At: Hrs:				
Oil and chip with crushed gravel 489.0				Very stiff, moist, brown mottled grey, Clay to Silty Clay A7-6	3	3.1B	21	
Stiff, moist, brown and grey, Clay A7-6					5			
	1				1			
	3	1.6B	20		4	2.9B	19	
	3				6			
				460.5				
	5.0	WH		Stiff, moist, brown mottled grey, Clay A7-6	30.0	2		
	1	1.2B	19		4	1.6S	24	
	2				6			
				483.0				
Very stiff, moist, grey and brown, Clay to Silty Clay A7-6	1				2			
	3	2.3B	18		3	1.2B	21	
	4				4			
				480.5				
Stiff, moist, grey and brown, Silty Clay A-6	10.0	1			35.0	1		
	3	1.2S	19		4	1.1B	21	
	3				5			
				453.0				
	1			Stiff, moist, brown, Clay A7-6 with some broken Sandstone gravel	2			
	3	1.5B	18		6	1.6B	17	
	4				8			
				450.0				
	15.0	1			40.0	2		
	3	1.4B	19		4	1.7B	19	
	3				5			
				473.0				
Stiff, moist to very moist, grey, Silty Clay to Silty Clay Loam A-6	1							
	3	1.1B	20					
	5							
				470.5				
Very stiff, moist, grey mottled brown, Clay A7-6	20.0	1		Medium, very moist, grey, Clay A7-6	45.0	1		
	4	2.7B	18		3	0.8B	18	
	7				3			
				468.0				
Stiff, moist to very moist, brown, Clay A7-6		2						
	3	1.1B	24					
	3			442.0				
				Very dense, dry, brown, Sand to Sandstone				
				465.5				
	25.0	1			50.0	100/1.5"		

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Date: 9/18/2017

Route: FAI 57

Section: X1-6HB-3

County: Williamson

Boring No: 1-S (2017)

Station: 11+19

Offset: 8' Lt CL

Ground Surface: 490.0 Ft

DEPTH	BLOW	Qu	W%	DEPTH	BLOW	Qu	W%
H	S	tsf		H	S	tsf	
Very dense, dry, brown, Sand to Sandstone							
Cored 49.6 to 54.6 feet							
90% Recovery; 37% RQD							
				435.5			
				55.0			
				80.0			
Cored 54.6 to 59.6 feet but the barrel and 55' rods were lost while retrieving.							
The 5' drilled easily and likely would have poor strength similar to the first 5' cored.							
				430.5			
				60.0			
				85.0			
Bottom of hole = 59.6 feet							
Free water observed at 44.5 feet				65.0			
				90.0			
Elevation referenced to BM at SE wingwall: BM= 492.5 feet							
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)							
To convert "N" values to "N60" multiply by 1.25							
				70.0			
				95.0			
				75.0			
				100.0			

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

MODEL: SMODELNAMES
FILE NAME: SFILELS



USER NAME =	DESIGNED - KS	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS - 1
STRUCTURE NO. 100-0104

SHEET 26 OF 33 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	74
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES

B.M. Bronze Cap in concrete properly marked 18" dia.
Sta 1370+70 (E. Lane) Elev 472.20
No Existing Structure

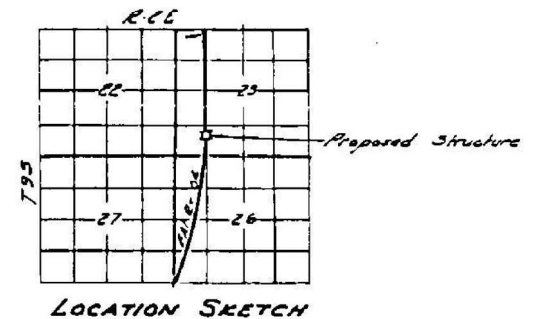
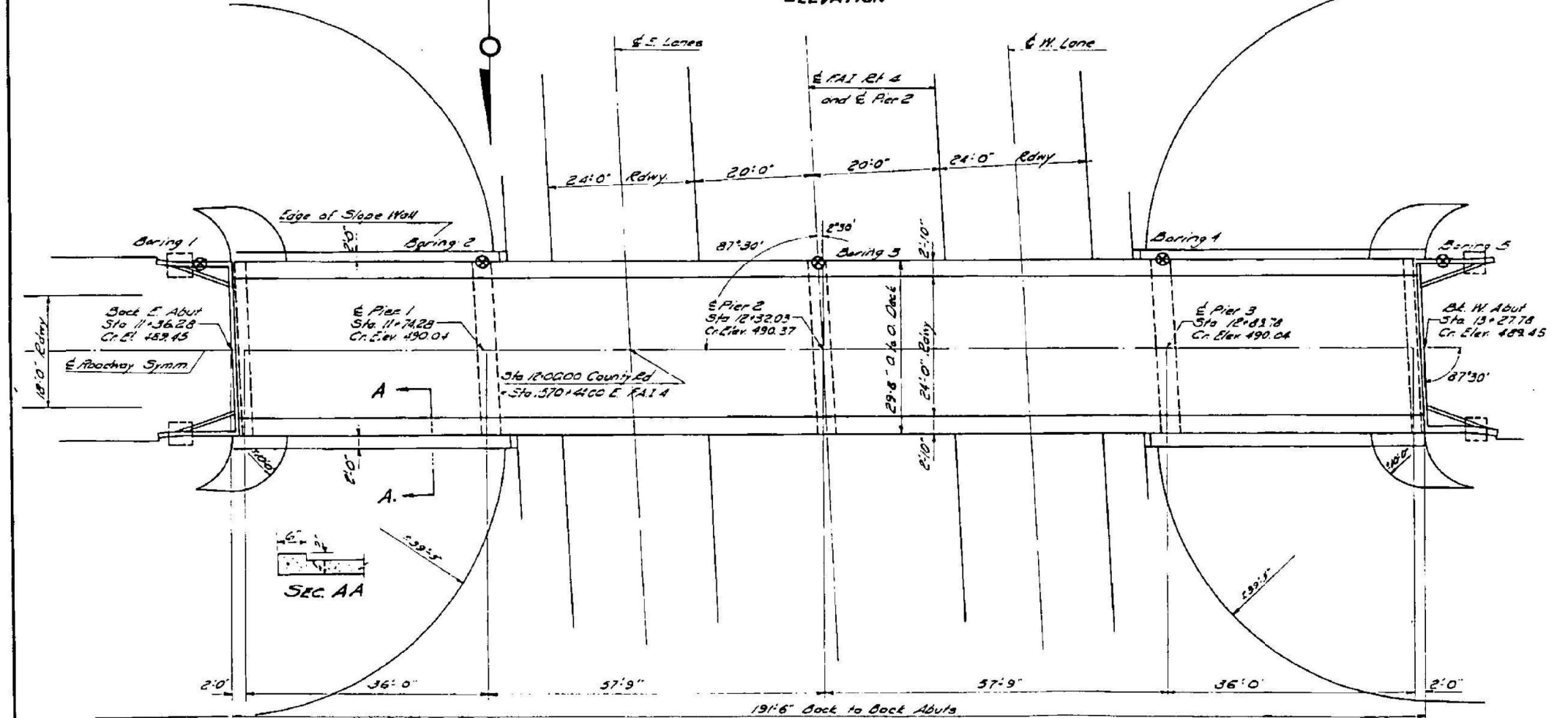
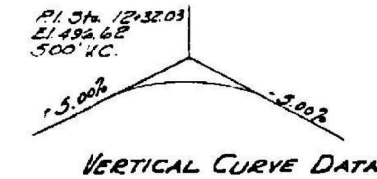
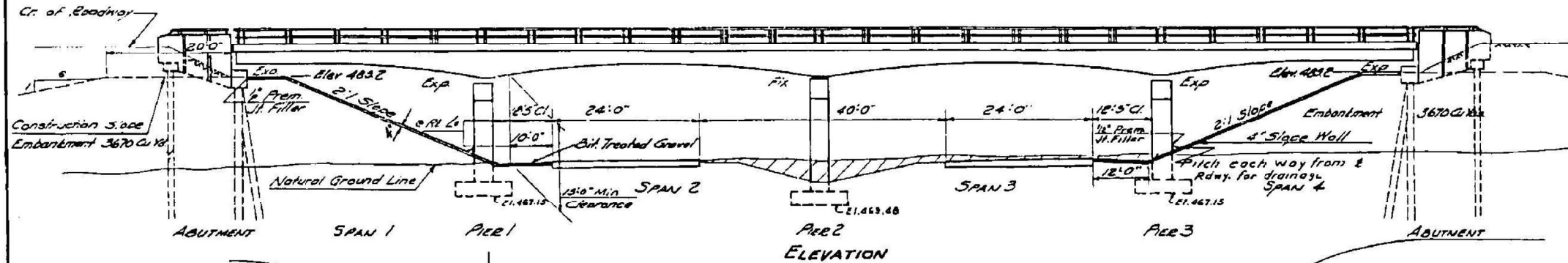
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-57

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
100-0104	XI-6HB-4	WILLIAMSON	135	77

GENERAL NOTES

Class X Concrete shall be used throughout.
The concrete floor slab shall be finished in accordance with Art 511(b) of the Standard Specifications.
Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, #4 wire, weighing 38 7/100 sq ft.
All bolsters, racking, bearing plates, lead plates, piles and anchor bolts shall be fabricated and set in accordance with Art 514 of the Standard Specifications and are included for payment as Structural Steel, Est. Wt. 1,510 lbs.
The Roadway Expansion Guard shall be fabricated and erected in accordance with Art 512(c) of the Standard Specifications. Expansion Guard shall be included for payment as Structural Steel, Est. Wt. 1360 lbs. All surfaces of Expansion Guard inaccessible after erection shall receive two shop coats of red lead paint except the anchor straps which shall not be painted.
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Arts 571 to 573 inclusive of the Standard Specifications.
All paint shall be furnished and applied by the Contractor.



TOTAL BILL OF MATERIALS

Item	Super	Sub	Total
Class X Concrete	Cu Yds 296.8	145.0	441.8
Structural Steel	Lbs 8870		8870
Reinforcement Bars	Lbs 62,470	14,390	76,860
Name Plate	Each One		One
Steel Piles	Lin Ft 320		320
Test Piles (Steel)	Each 2		2
Crested Timber Piles	Lin Ft 120		120
Alternate A Metal Handrail	Lin Ft 411		411
Alternate B Aluminum Handrail	Lin Ft 421		421
Class A Excavation for Street Curb		110	110
Slope Wall	Sq Yds 318		318

DESIGNED *Robert A. Kowert*
CHECKED *[Signature]*
DRAWN *Rutherford*
CHECKED *[Signature]*

EXAMINED *V.M. Romine*
PASSED *[Signature]*
APPROVED *[Signature]*

DESIGN STRESSES
f_c 1400 psi Super
f_c 800 psi Sub (with earth pressure)
f_s 20000 psi Reinf.
n = 10
Max. Soil Pressure 3000 psi

STATION 1570+42.60
BUILT 193 BY
STATE OF ILLINOIS
FAI Rt 4 Sec XI-6HB-5
P.A. Proj. I-04-1(30)
LOADING H15-512

NAME & LETTERING

FOR INFORMATION ONLY

GENERAL PLAN & ELEVATION
PROJ I-04-1(30)
FAI Rt 4 Sec XI-6HB 3
WILLIAMSON COUNTY
STA. 1570+42.60

Loading H15-512-44

MODEL: SIMOENAMES
FILE NAME: SFILES

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

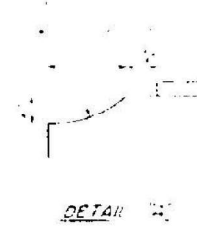
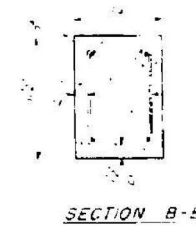
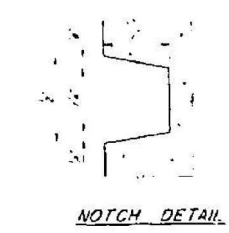
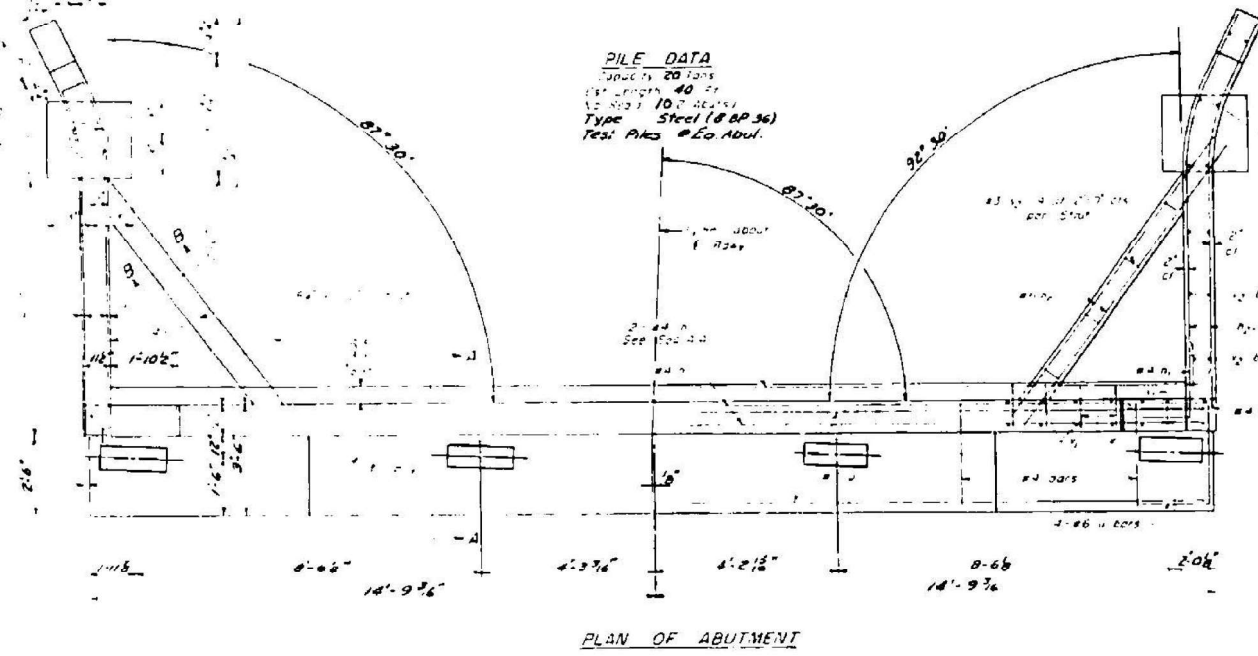
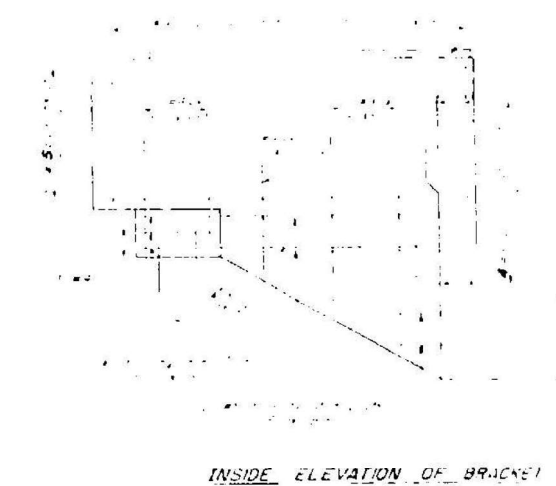
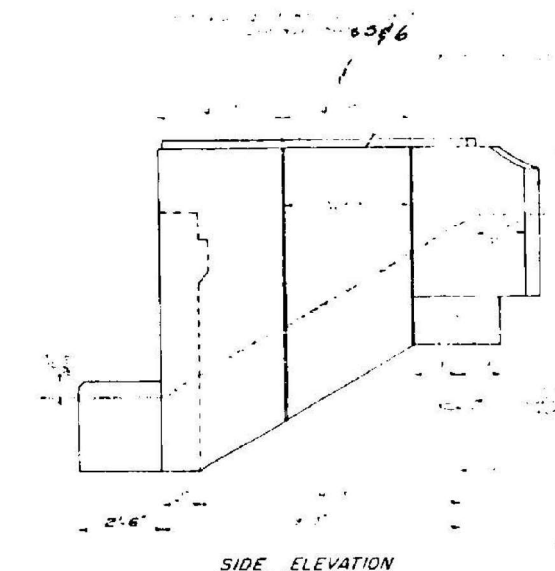
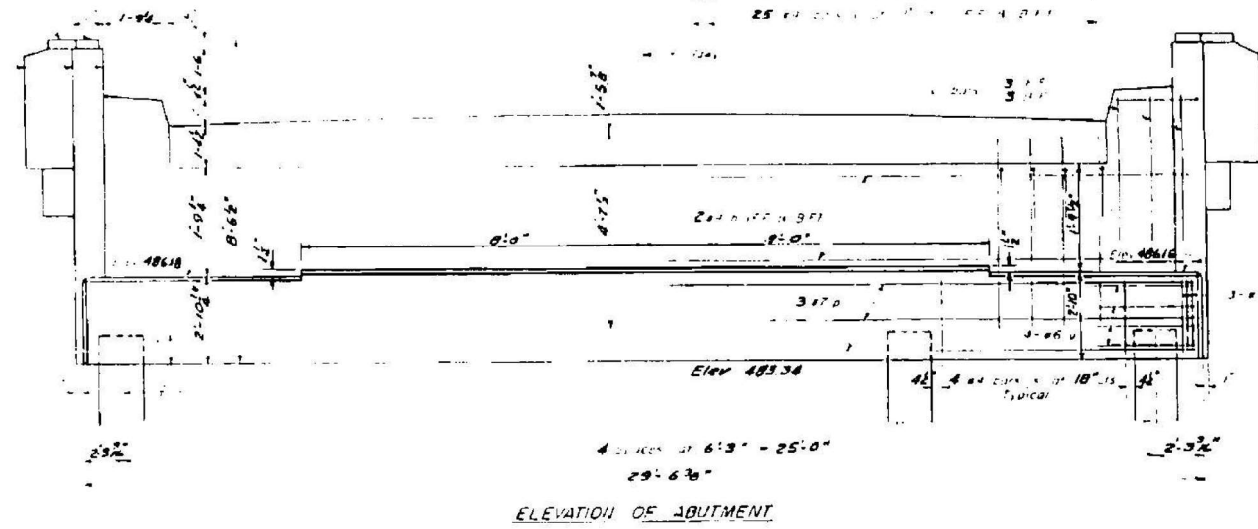
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PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE = 1-11-2022	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 100-0104

SHEET 29 OF 33 SHEETS

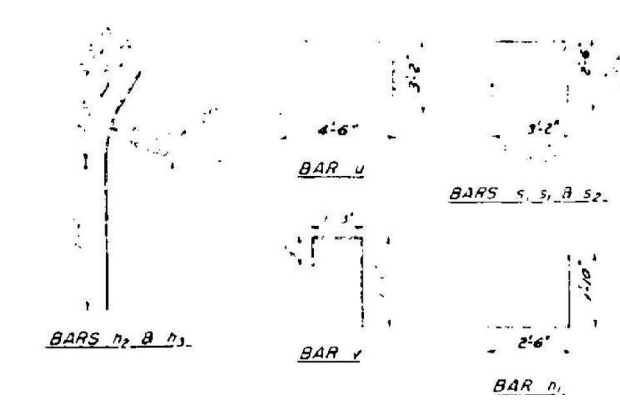
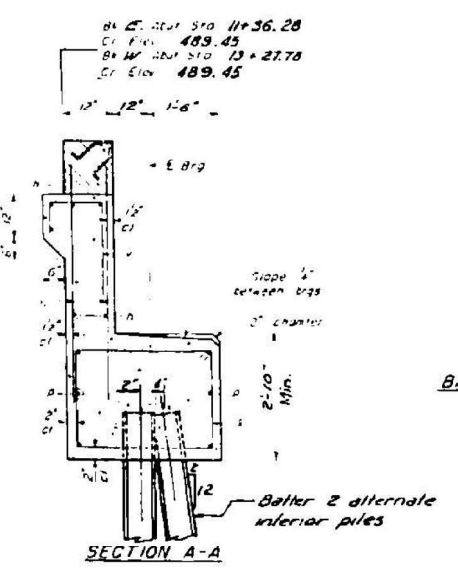
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	77
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

12	#4	27'-6"
32	#4	4'-4"
16	#4	10'-0"
12	#4	29'-0"
44	#4	10'-0"
50	#4	12'-2"
128	#4	4'-6"
411		
4120		
120		
Steel Piles	Ln/ft	320
Test Piles (Steel)	Co.	2

FOR INFORMATION ONLY

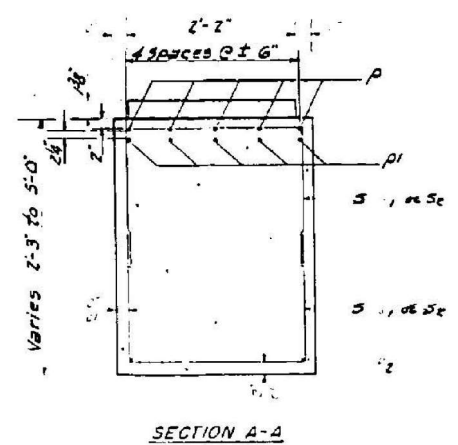
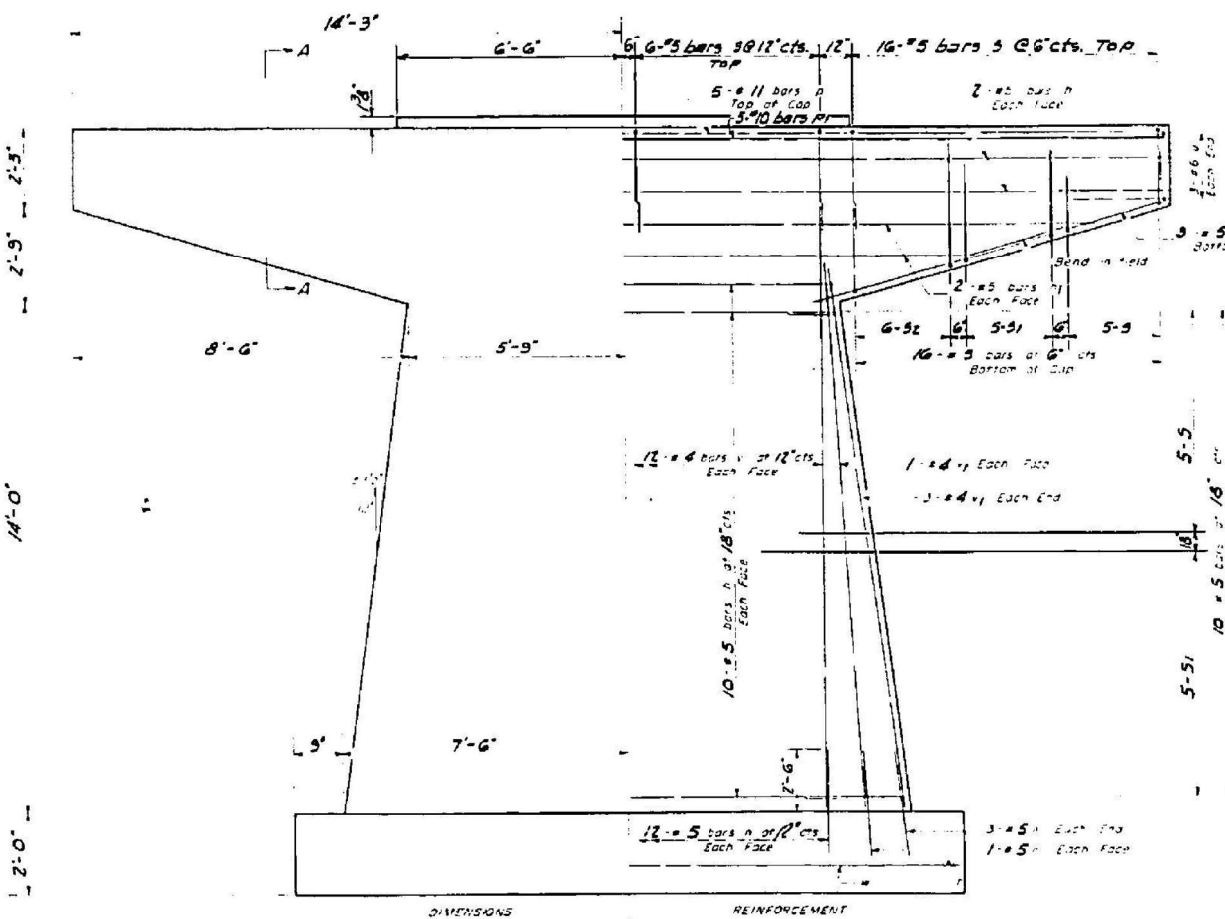
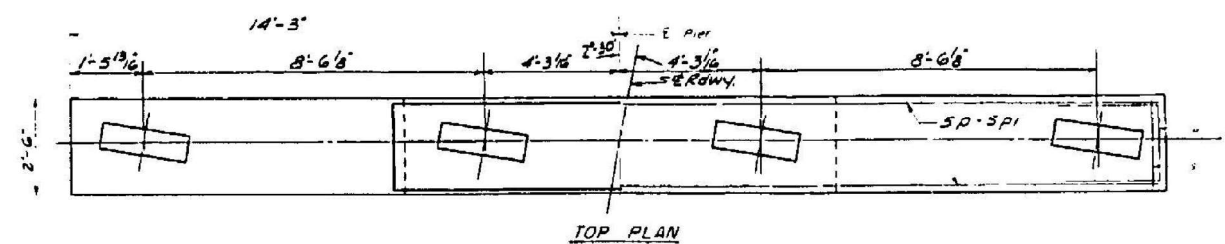
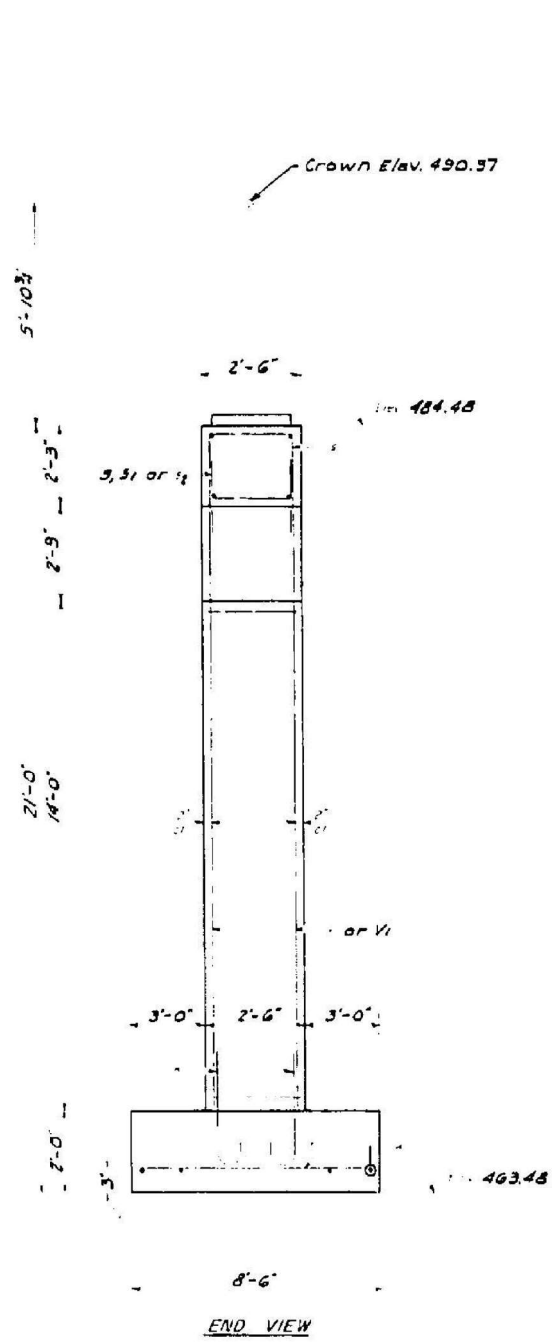


DESIGNED - KS
CHECKED - TRC
DRAWN - JRP
CHECKED -

REVISIONS

1-11-2022

ABUTMENTS
F.A.I. RTE. 4 SECTION XI-6HB-3
WILLIAMSON COUNTY
STATION 1570 + 42.60



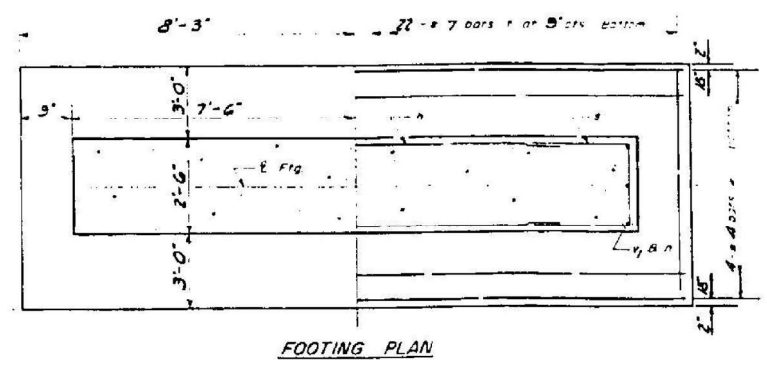
Note: All edges shall have standard 1/4\"/>

A B B DIMENSIONS

Bar	A	B
s	2'-2"	2'-0"
u	2'-2"	3'-0"
v	2'-2"	4'-0"

PIER 2
BILL OF MATERIAL

Bar	Size	Length	Quantity
s	#5	11'-0"	20
u	#5	14'-0"	4
v	#5	28'-0"	4
	#5	4'-5"	34
	#11	28'-0"	5
	#10	28'-0"	5
	#5	10'-0"	6
	#5	6'-2"	64
	#5	8'-2"	20
	#5	10'-2"	12
	#7	5'-3"	22
	#6	5'-2"	6
	#4	17'-6"	24
	#4	15'-6"	10
	#4	16'-3"	4
			38.7
			3580



FOR INFORMATION ONLY

PIER 2
F.A.I. RT. 4 SEC. XI-6HB-3
WILLIAMSON COUNTY
STATION 1570+42.6

DESIGNED: *Robert A. Kowat*
CHECKED: *[Signature]*
DRAWN: *J. Sandoval*
OCT 9 1957
APPROVED: *[Signature]*



DRAWING INDEX

A0	AESTHETIC DESIGN DRAWING INDEX, GENERAL NOTES AND MASTER LEGEND
A1	BRIDGE ELEVATIONS:SOUTH
A2	BRIDGE ELEVATIONS:NORTH
A3	BRIDGE PARAPET AND ABUTMENT ELEVATIONS
A4	ENLARGE PIER PLAN, ELEVATIONS, BRIDGE DECK SECTION, AND MISC. DETAILS
A5	PEDESTRIAN FENCE ELEVATIONS # DETAIL, AND MEDALLION ELEVATIONS, RENDERINGS # SECTION
A6	PERFORATED PANEL ELEVATIONS # RENDERINGS
A7	BRIDGE FINISH ELEVATIONS: NORTH, SOUTH AND PEDESTRIAN PARAPET WALL FINISHES
A8	BRIDGE FINISH ELEVATIONS: PIER AND WING WALL FINISHES
A9	BRIDGE FINISH ELEVATIONS: BRIDGE DECK # PERFORATED PANEL COLOR KEY

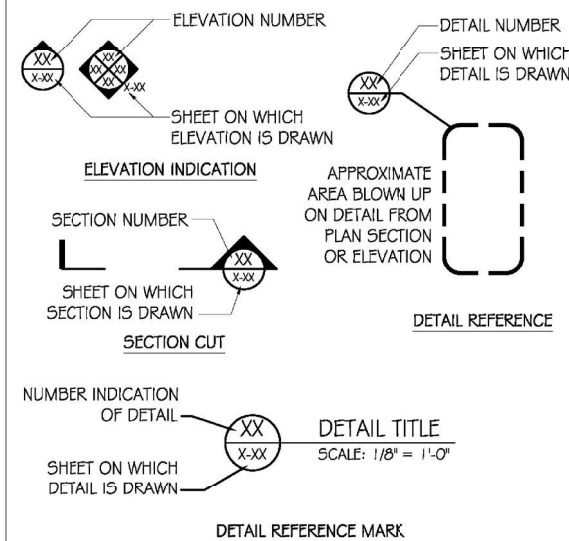
ABBREVIATIONS

@	ALUM.	ALUMINUM	GA.	GAUGE	PNL	PANEL
ALT.	ALTERNATE	GC	GALV.	GALVANIZED	POL.	POLISHED
BD.	BOARD	H, HGT.	GC	GENERAL CONTRACTOR	POS.	POSITIVE
BLK	BLOCK	H.M.	H, HGT.	HEIGHT	FT.	PAINT
BM	BEAM	HOR	H.M.	HOLLOW METAL	FTG.	PAINTING
B.O.	BY OTHERS	HR	HOR	HORIZONTAL	FR.	PAIR
BOT.	BOTTOM	H.R.	HR	HOUR	QUAL.	QUALITY
CL.	CENTERLINE	ID	H.R.	HANDRAIL	R	RADIUS
CLR	CLEAR	IN.	ID	INSIDE DIAMETER	RECD.	RECEIVED
COL.	COLUMN	INFO.	IN.	INCH	RQD	REQUIRED
CONC.	CONCRETE	L	INFO.	INFORMATION	S/S	STAINLESS STEEL
CONST.	CONSTRUCTION	LB	L	LENGTH	SECT.	SECTION
CONT.	CONTINUOUS	MANUF.	LB	POUND	SEP.	SEPARATE
CONTR.	CONTRACTOR	MAT'L	LIN.	LINEAR	SIM.	SIMILAR
CTR	CENTER	MAX.	MANUF.	MANUFACTURER	SPEC.(S)	SPECIFICATION(S)
D	DEPTH	MECH.	MAT'L	MATERIAL	SQ.	SQUARE
DBL.	DOUBLE	MED.	MAX.	MAXIMUM	STD.	STANDARD
DEPT.	DEPARTMENT	MIN.	MECH.	MECHANICAL	STL.	STEEL
DET., DTL.	DETAIL	MISC.	MED.	MEDIUM	STRUC.	STRUCTURAL
DIA	DIAMETER	MTL.	MIN.	MINIMUM	SUSP.	SUSPENDED
DIAG	DIAGONAL	N	MISC.	MISCELLANEOUS	TH., THK.	THICK/THICKNESS
DIM.,	DIMENSION	N.I.C.	MTL.	METAL	TYP.	TYPICAL
DIV.	DIVISION	NO.	N	NORTH	U.O.N.	UNLESS OTHERWISE
DN.	DOWN	N.T.S.	N.I.C.	NOT IN CONTRACT	NOTED	NOTED
DWG.	DRAWING	O.A.	NO.	NUMBER	VERT	VERTICAL
ELEV.	ELEVATION	OAD	N.T.S.	NOT TO SCALE	V.I.F.	VERIFY IF FIELD
ELEC.	ELECTRICAL	O.C.	O.A.	OVERALL	VS.	VERSUS
ENGR	ENGINEER	OD	OAD	OVERALL DIMENSION	VOL.	VOLUME
EQ.	EQUAL	PCF	O.C.	ON CENTER	W	WIDTH
EXIST.	EXISTING	PERF.	OD	OUTSIDE DIAMETER	W/	WITH
EXP	EXPOSED	PERM.	PCF	POUNDS PER CUBIC FOOT	WD	WOOD
FM	FULL HEIGHT	PERP.	PERF.	PERFORATED	W/O	WITHOUT
FIN.	FINISH	PH.	PERM.	PERMANENT	WT.	WEIGHT
FT	FOOT	PERP.	PH.	PERPENDICULAR	XSECT	CROSS SECTION
FTG.	FOOTING	PLYWD	PH.	PLYWOOD	YD	YARD

GENERAL NOTES: AESTHETIC DESIGN

- THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH CONDITIONS RELATING TO AESTHETIC DESIGN CONSTRUCTION AND LABOR SO THAT HE UNDERSTANDS THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL THOROUGHLY EXAMINE AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS.
- SHOULD THE CONTRACTOR FIND DURING CONSTRUCTION, ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES OR CONFLICTS IN OR AMONG THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO THEIR MEANING, HE SHOULD BRING THESE ITEMS TO THE ATTENTION OF ENGINEER IN WRITING FOR DIRECTION BEFORE PROCEEDING WITH ANY WORK IN QUESTION.
- DIMENSIONS:
 - DO NOT SCALE OFF DRAWINGS.
 - VERIFY ALL DIMENSIONS AT THE SITE BEFORE FABRICATION AND INSTALLATION COMMENCES AND REPORT ALL DISCREPANCIES TO ENGINEER IN WRITING.
 - WHERE DIMENSIONS ARE NOT AVAILABLE BEFORE FABRICATION COMMENCES THE DIMENSIONS REQUIRED SHALL BE AGREED UPON BETWEEN ALL TRADES AND APPROVED BY ENGINEER.
 - VERIFY THE DIMENSIONS OF ALL SHOP FABRICATED ITEMS AT THE SITE BEFORE SHOP DRAWINGS AND FABRICATION IS COMMENCED.
- INFORMATION CONTAINED IN THIS AESTHETIC DESIGN DRAWING IS INTENDED TO PROVIDE A GENERAL INDICATION OF THE QUANTITY OF MATERIALS REQUIRED FOR THE PROJECT.
- DRAWINGS ARE ONLY A GRAPHIC REPRESENTATION. ALL REQUIRED STRUCTURAL COMPONENTS # INFORMATION ARE OMITTED AND/OR MINIMIZED FOR THE PURPOSE OF GRAPHIC CLARITY. CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR INFORMATION OF ALL STRUCTURAL COMPONENTS REQUIREMENTS AND DIMENSIONS.
- ALL MATERIALS AND SYSTEMS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS # SPECIFICATIONS, AND ALL CONSTRUCTION SHALL BE PERFORMED WITH FIRST CLASS WORKMANSHIP.
- CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY # DETERMINE ANTICIPATED QUANTITIES OF PROJECT SPECIFIC EXTENDED AND/OR PARTIAL FORM LINERS REQUIRED THROUGHOUT THE PROJECT. CONTRACTOR SHALL PURCHASE NECESSARY EXTENDED AND/OR PARTIAL FORM LINERS FROM FORM LINER MANUFACTURER AS NEEDED PRIOR TO CONSTRUCTION.

GRAPHIC SYMBOLS



USER NAME =	DESIGNED -	REVISED -
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PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AESTHETIC DESIGN DRAWING INDEX, GENERAL NOTES
AND MASTER LEGEND
SHEET NO. 1 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(X1-6)HB-4	WILLIAMSON	10	AD	
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



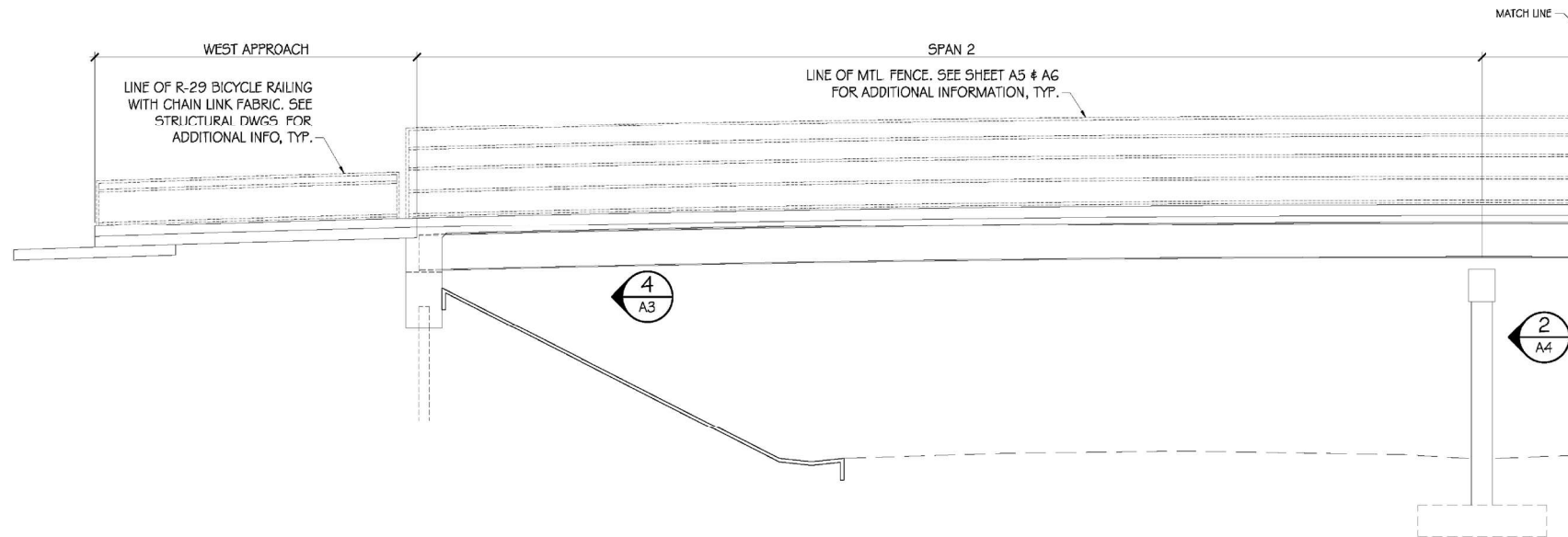
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

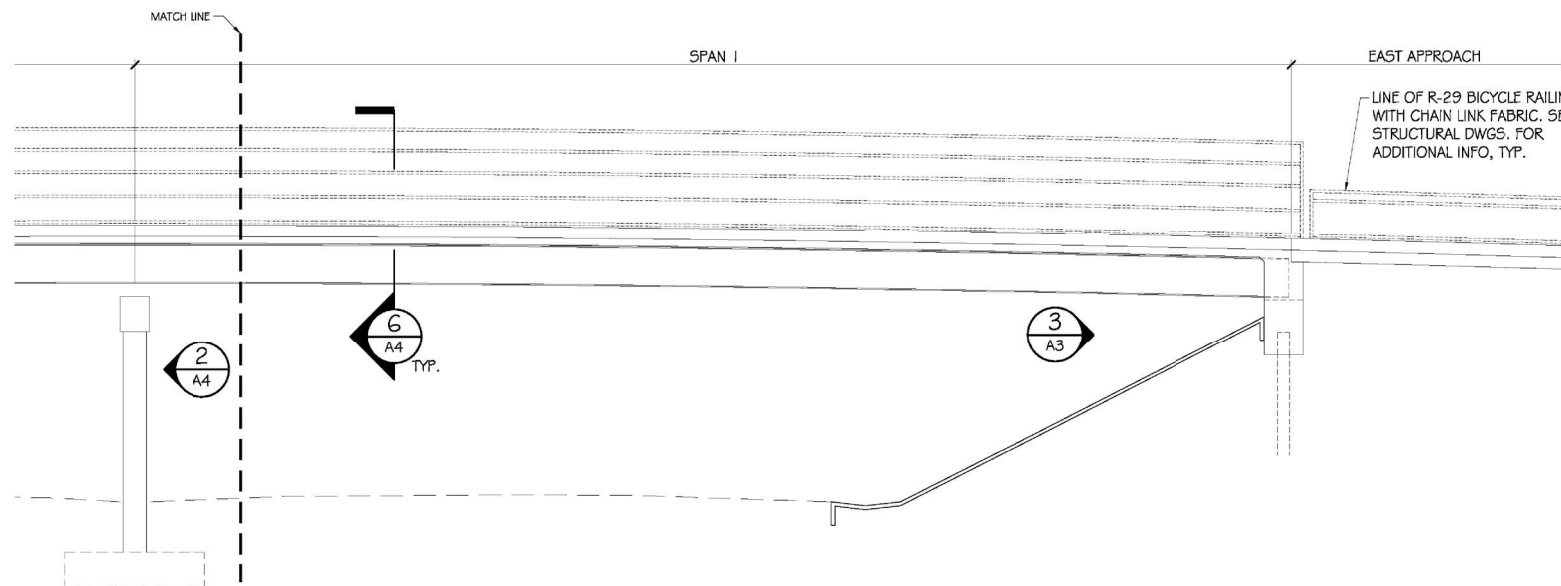
AESTHETIC SHEETS

SCALE: SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	82
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



1
A1
BRIDGE ELEVATION: SOUTH
SCALE: 1/8" = 1'-0"



2
A1
BRIDGE ELEVATION: SOUTH CONTINUES
SCALE: 1/8" = 1'-0"

GENERAL NOTE

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- CONTRACTOR TO REFERENCE STRUCTURAL DRAWINGS FOR ACCURATE DIMENSIONS OF BRIDGE SPAN AND ALL ASSOCIATED COMPONENTS.

CDR
www.creativeengineeringinc.com
3413 Wilshire Road
Brentwood, MO 63025
phone: 314-669-0581

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE ELEVATIONS:
SOUTH

SHEET NO. 2 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(X1-6)HB-4	WILLIAMSON	10	A1
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

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Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

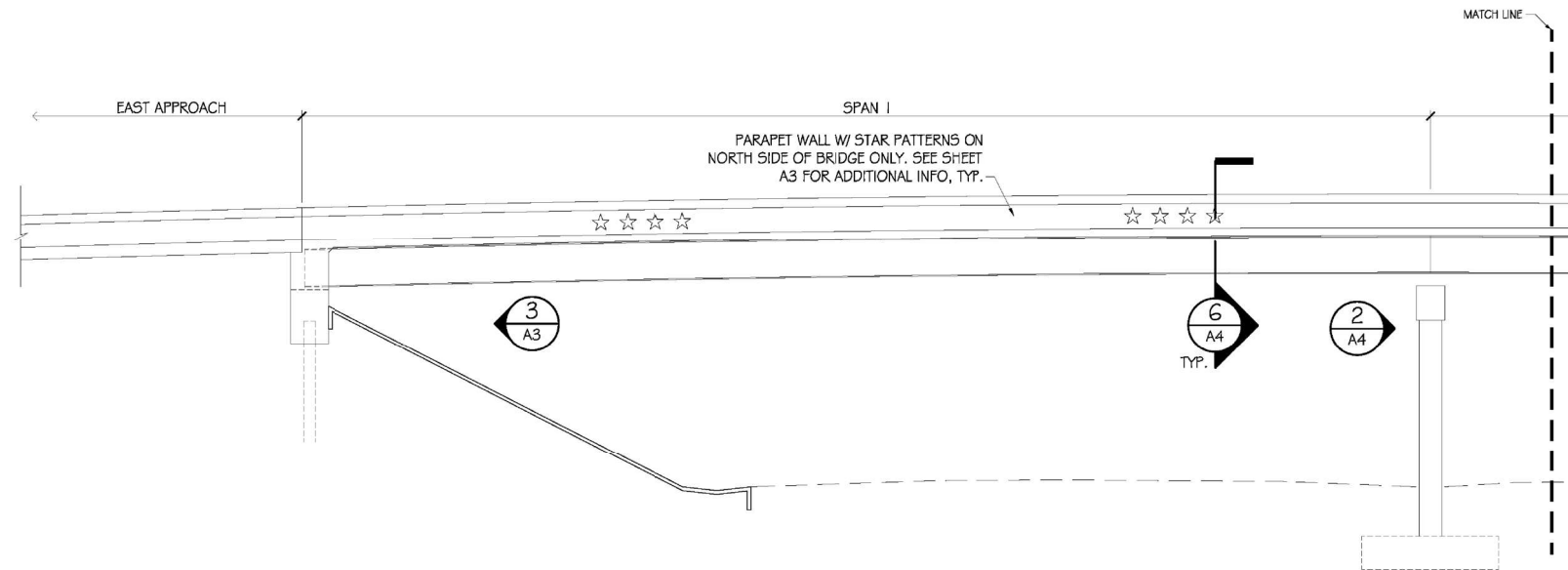
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

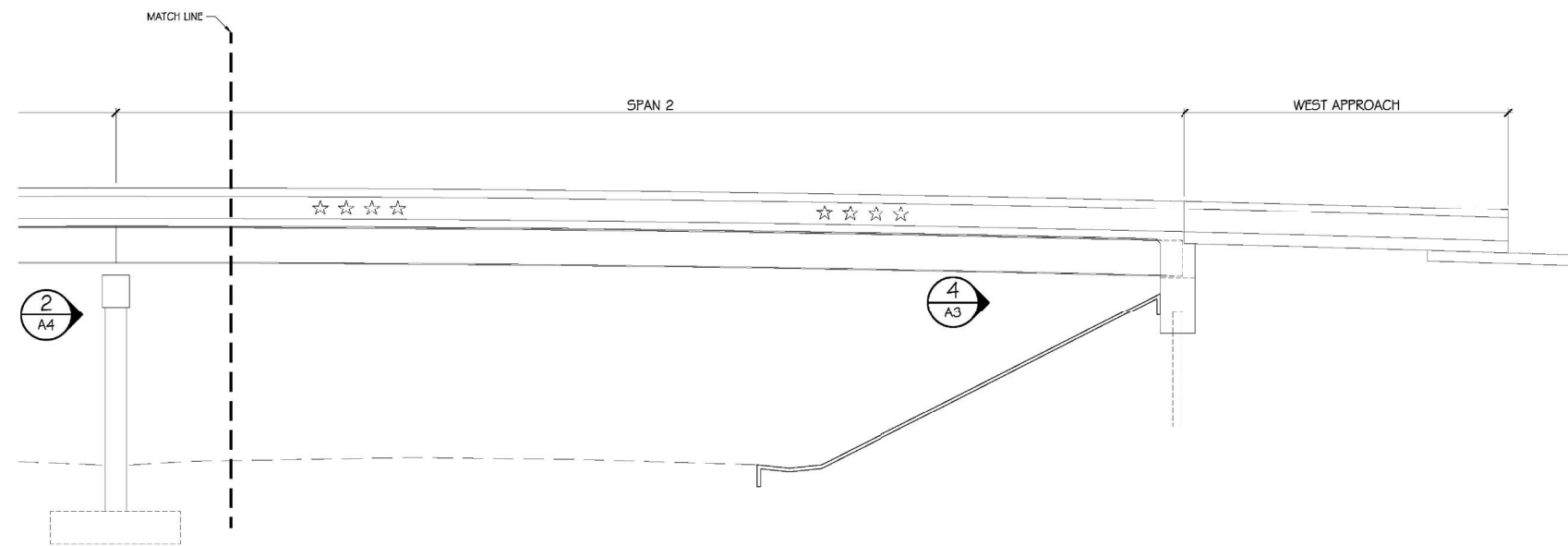
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SCALE: SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	83
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



1 BRIDGE ELEVATION: NORTH
SCALE: 1/8" = 1'-0"



2 BRIDGE ELEVATION: NORTH CONTINUES
SCALE: 1/8" = 1'-0"

GENERAL NOTE

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CDR
www.creativegraphicsolutions.com
3413 Wilshire Road
Brentwood, MD 20722
phone: 301-599-0581

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE ELEVATIONS:
NORTH

SHEET NO. 3 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(X1-6)HB-4	WILLIAMSON	10	A2
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

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Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

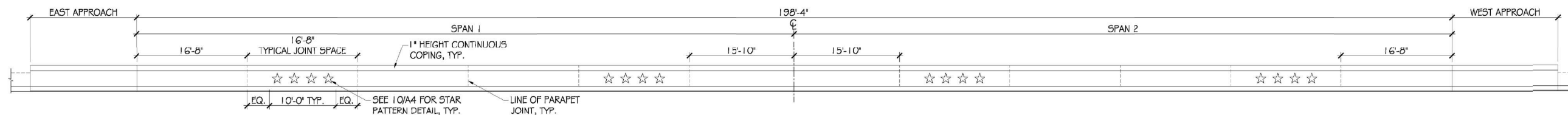
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

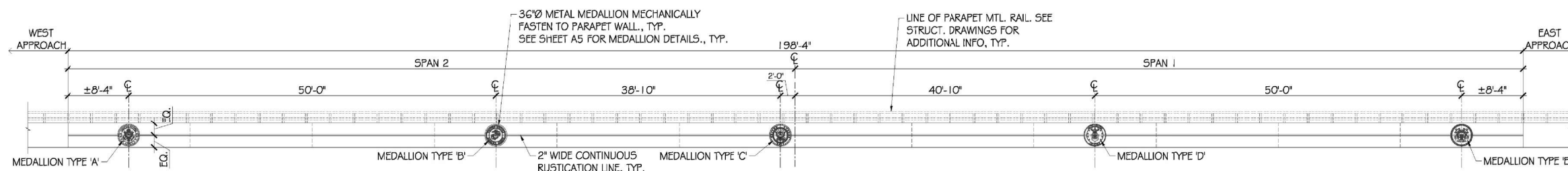
AESTHETIC SHEETS

SCALE: SHEET NO. 3 OF 10 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	84
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



1 VEHICULAR PARAPET WALL ELEVATION: NORTH FACE
 A3 SCALE: 1/8" = 1'-0"



2 PEDESTRIAN PARAPET WALL ELEVATION: SOUTH FACE
 A3 SCALE: 1/8" = 1'-0"



3 EAST ABUTMENT ELEV: WEST FACE
 A3 SCALE: 1/4" = 1'-0"



4 WEST ABUTMENT ELEV: EAST FACE
 A3 SCALE: 1/4" = 1'-0"

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 - CONTRACTOR TO REFERENCE STRUCTURAL DRAWINGS FOR ACCURATE DIMENSIONS OF BRIDGE SPAN AND ALL ASSOCIATED COMPONENTS.

CDR
www.creativeengineersolutions.com
 3413 Windsor Road
 Brentwood, MO 63025
 phone: 314-899-0581

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PLCT DATE = XX/XX/XXXX	DRAWN -	REVISD -
	CHECKED -	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE PARAPET AND
 ABUTMENT ELEVATIONS

SHEET NO. 4 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(X1-6)HB-4	WILLIAMSON	10	A3
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

VEENSTRA & KIMM INC.
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 IL. Design Firm No. 184-001939

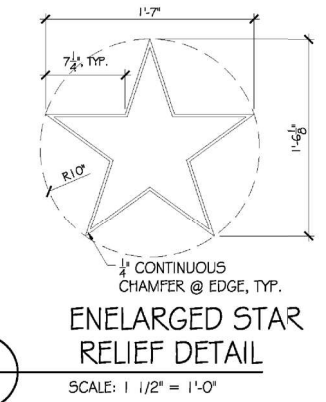
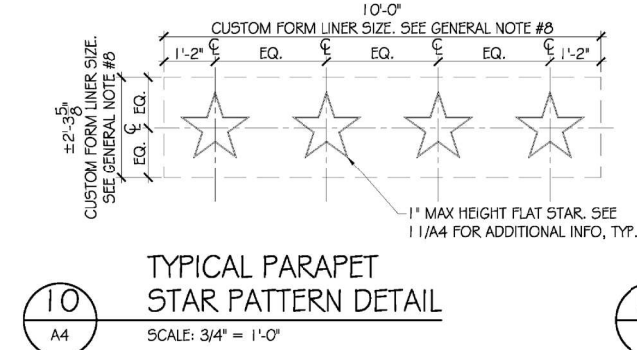
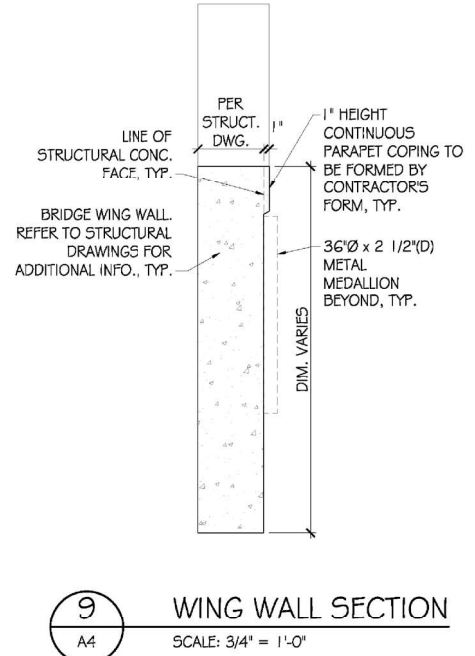
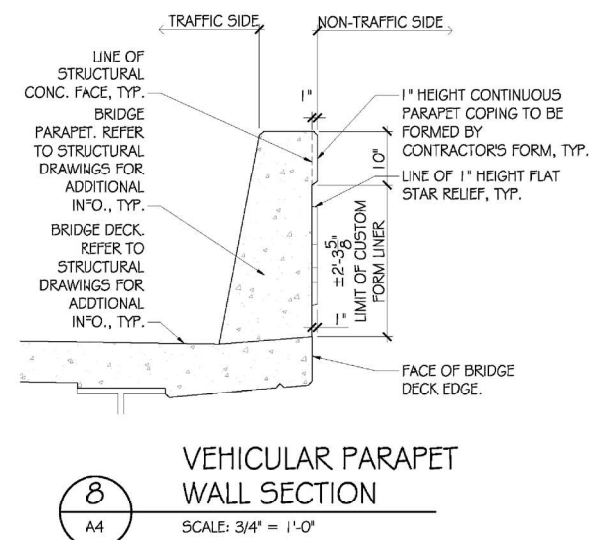
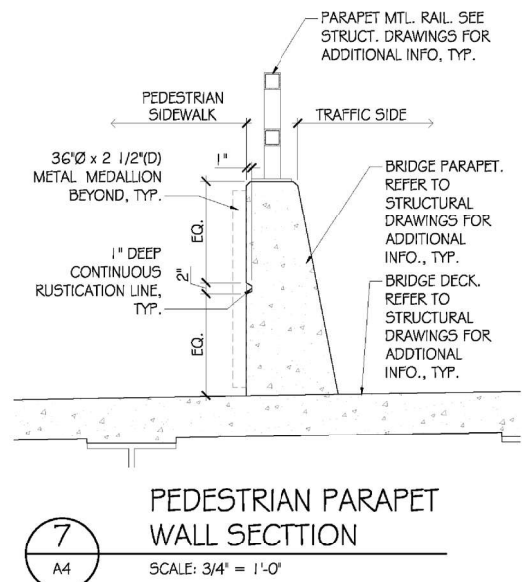
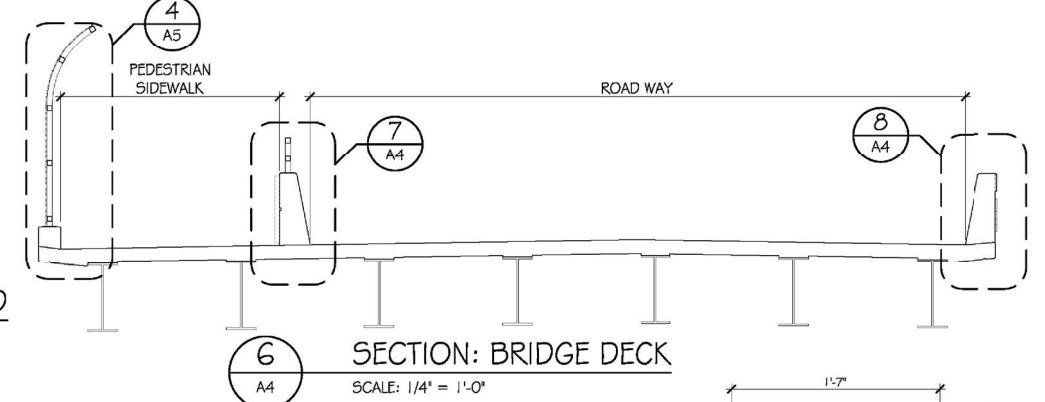
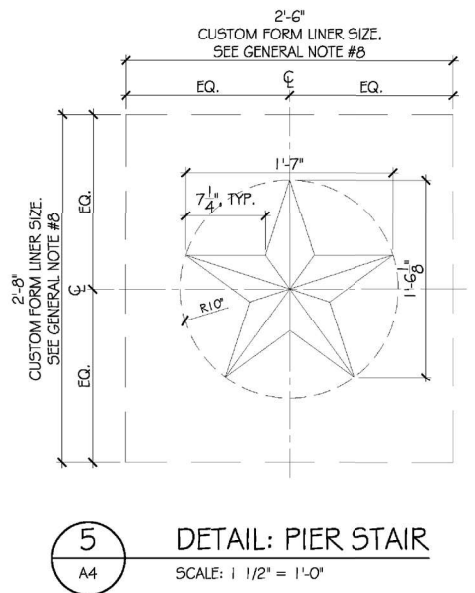
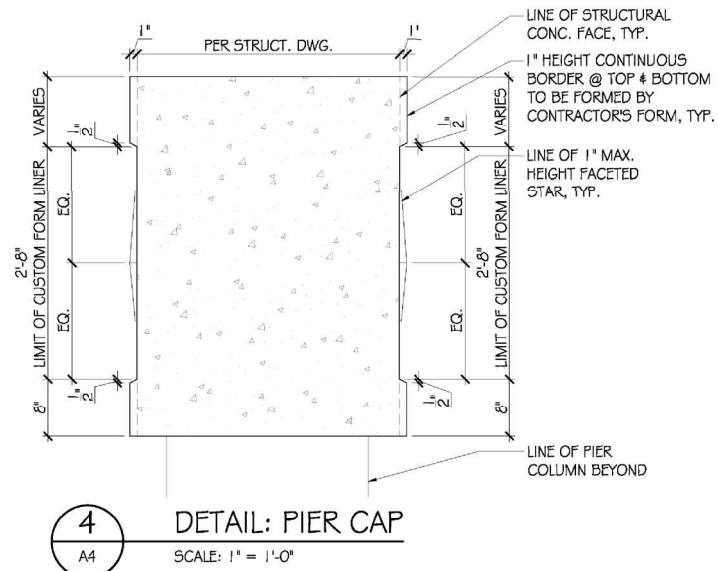
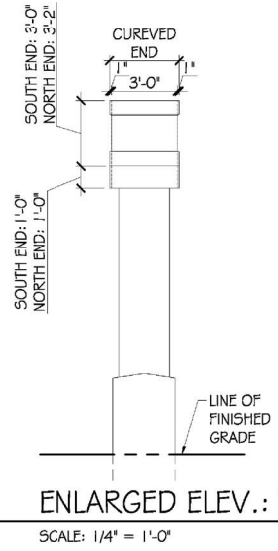
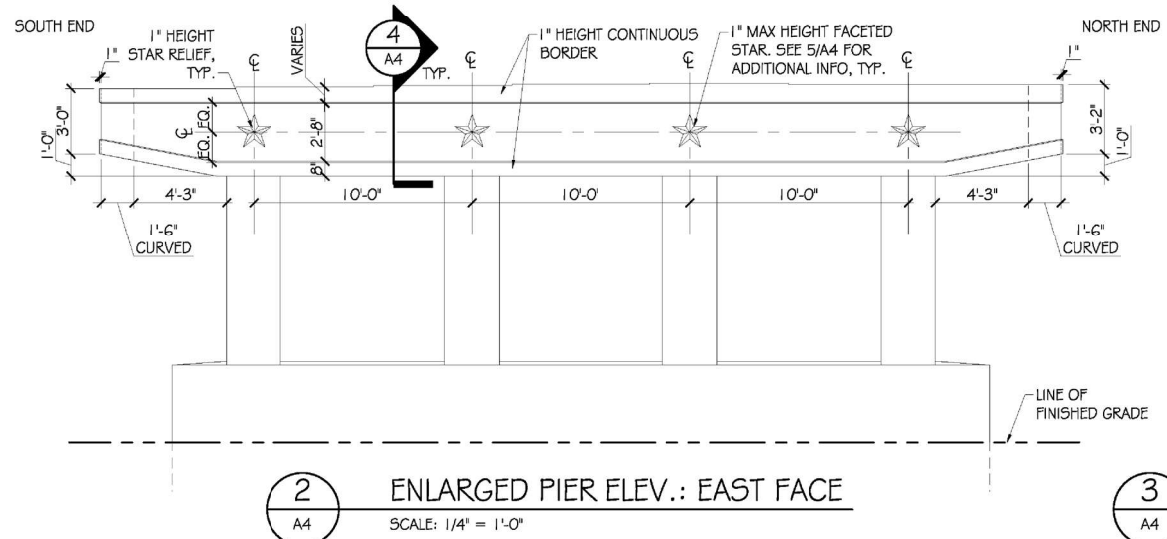
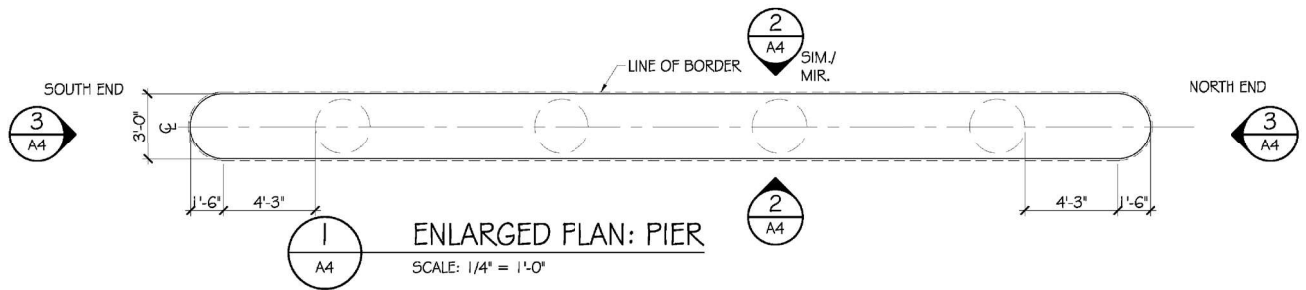
USER NAME =	DESIGNED -	REVISD -
PLCT SCALE =	CHECKED -	REVISD -
PLCT DATE =	DRAWN -	REVISD -
	CHECKED -	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AESTHETIC SHEETS

SCALE: SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	85
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



GENERAL SHEET NOTE

- DO NOT SCALE OFF DRAWING.
- DRAWINGS ARE ONLY A GRAPHIC REPRESENTATION. ALL REQUIRED STRUCTURAL COMPONENTS & INFORMATION ARE OMITTED AND/OR MINIMIZED FOR THE PURPOSE OF GRAPHIC CLARITY. CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR INFORMATION OF ALL STRUCTURAL COMPONENTS REQUIREMENTS.
- CONTRACTOR TO REFER TO STRUCTURAL DRAWINGS FOR ACCURATE DIMENSIONS OF BRIDGE SPAN AND ALL ASSOCIATED COMPONENTS.
- ALL PATTERNS SHALL NOT ENCRoACH INTO MINIMUM AND/OR CLEAR DIMENSIONS DETERMINED BY STRUCTURAL DRAWING.
- CONTRACTOR TO REFER TO PROJECT SPECIAL PROVISIONS FOR SPECIAL CASTING NOTES, DETAIL & MOCK-UP REQUIREMENT, CONCRETE FINISH & NOTES, ETC. ALL CUSTOM PATTERNS TO BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CASTING OF FORM LINERS.
- ALL FORM LINER PATTERN SHALL BE INSPECTED AND APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH PATTERN LAYOUT FOR APPROVAL BY THE ENGINEER.
- ALL FORM LINERS MANUFACTURED FOR CUSTOM PATTERNS SHALL BE INVERSE OF CORRESPONDING PATTERNS

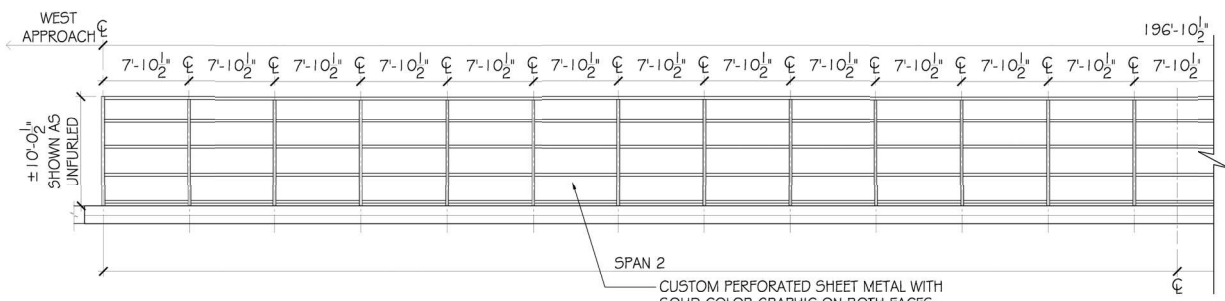
CDR www.cresivestandard.com 3413 Midway Road Bristol, MD 21222 phone: 301-589-0581	USER NAME =	DESIGNED -	REVISED -
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	PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

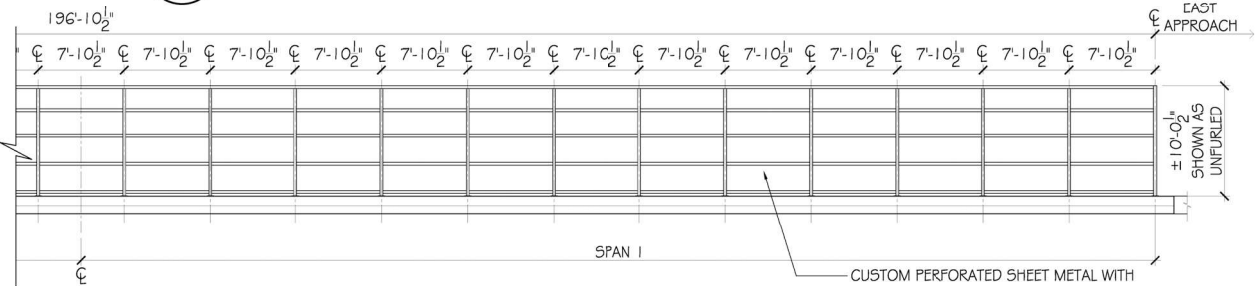
ENLARGE PIER PLAN, ELEVATIONS,
BRIDGE DECK SECTION, AND MISC. DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(X1-6)HB-4	WILLIAMSON	10	A4
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

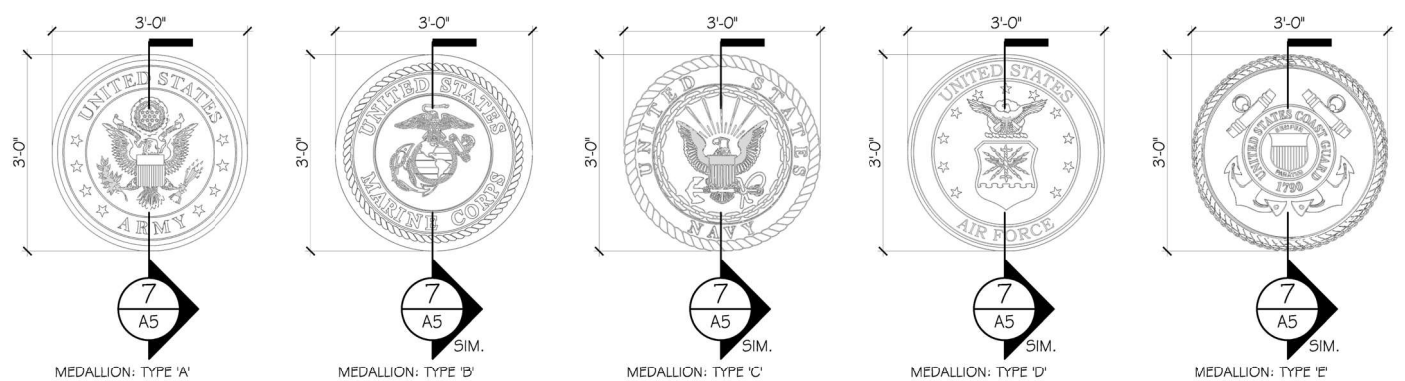
USER NAME =	DESIGNED -	REVISED -
PLCT SCALE =	CHECKED -	REVISED -
PLCT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -



1 PED. FENCE FRAME ELEV.: SPAN 2
SCALE: 1/8" = 1'-0"



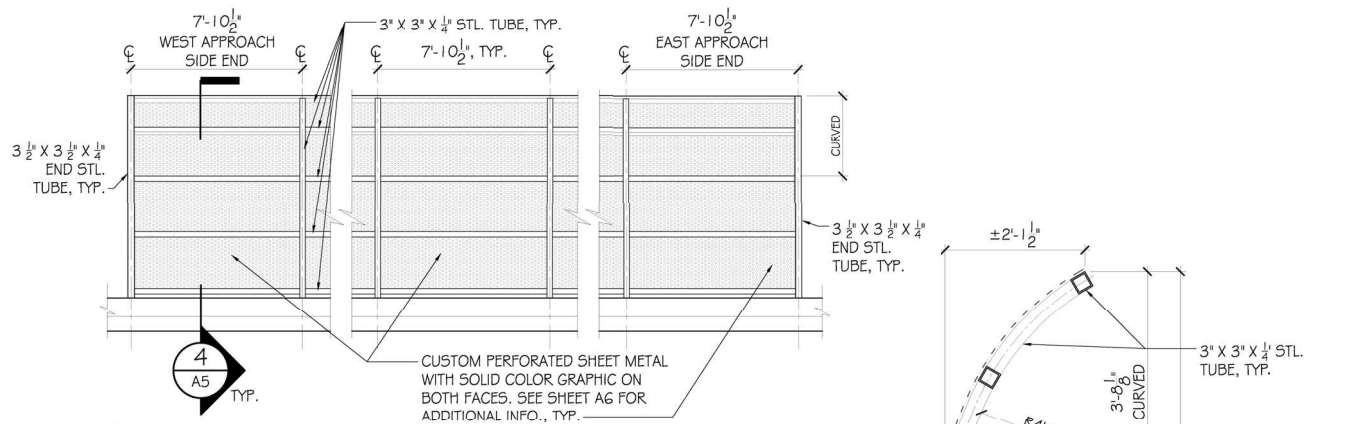
2 PED. FENCE FRAME ELEV.: SPAN 1
SCALE: 1/8" = 1'-0"



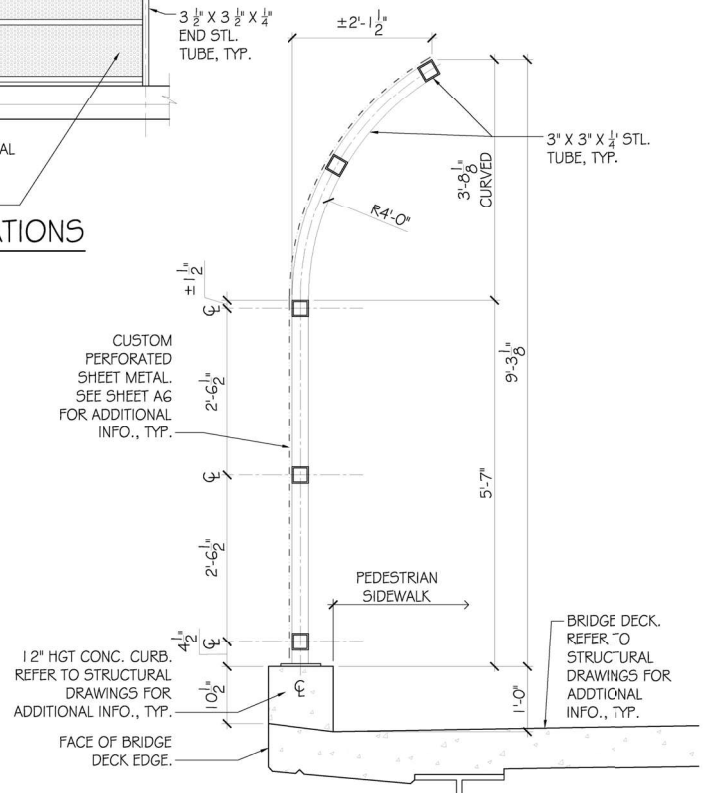
5 ELEVATIONS: METAL MEDALLIONS
SCALE: 3/4" = 1'-0"



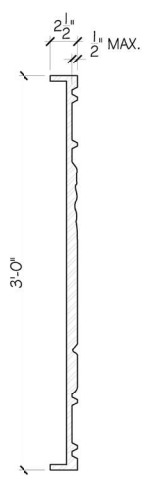
6 RENDERINGS: METAL MEDALLIONS
N.T.S.



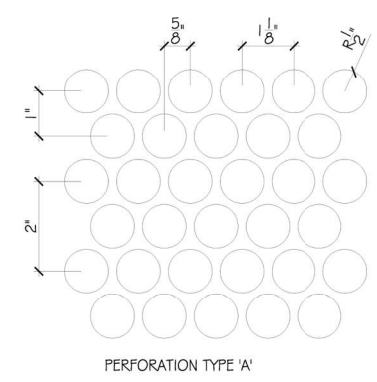
3 TYPICAL PED. FENCE FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



4 PED. FENCE FRAME DETAIL
SCALE: 3/4" = 1'-0"



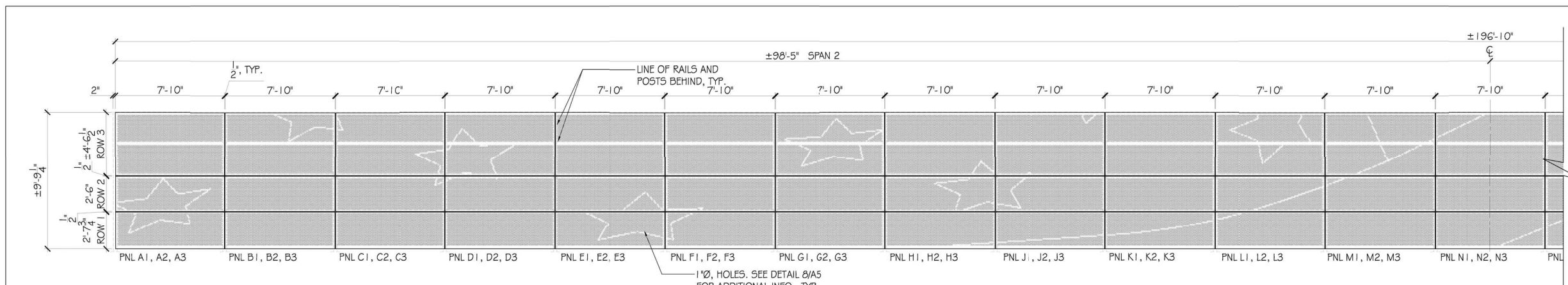
7 METAL MEDALLION SECTION
SCALE: 1 1/2" = 1'-0"



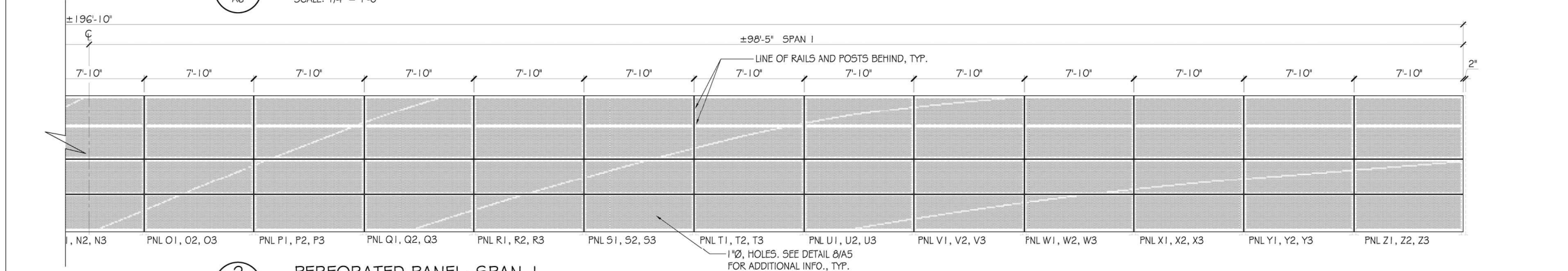
8 TYPICAL PERFORATION DETAILS
SCALE: 6" = 1'-0"

- GENERAL SHEET NOTE**
- DO NOT SCALE OFF DRAWING.
 - DRAWINGS ARE ONLY A GRAPHIC REPRESENTATION. ALL REQUIRED STRUCTURAL COMPONENTS & INFORMATION ARE OMITTED AND/OR MINIMIZED FOR THE PURPOSE OF GRAPHIC CLARITY. CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR INFORMATION OF ALL STRUCTURAL COMPONENTS REQUIREMENTS.
 - CONTRACTOR TO REFER TO STRUCTURAL DRAWINGS FOR ACCURATE DIMENSIONS OF BRIDGE SPAN AND ALL ASSOCIATED COMPONENTS.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH PERFORATED PANEL PATTERN LAYOUT FOR APPROVAL BY THE ENGINEER.
 - CONTRACTOR SHALL SUBMIT PERFORATED PANEL SAMPLES AND INSTALLATION DETAIL SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ENGINEER.

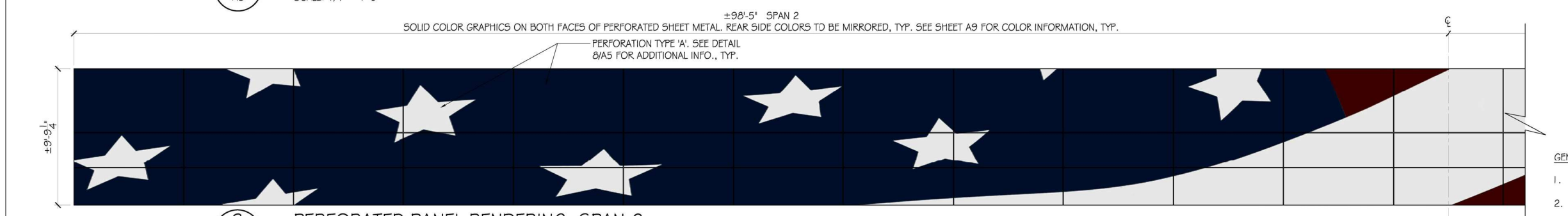
CDR www.creativeengineering.com 3413 Wisdom Road Springfield, MO 65722 Phone: 301-699-0581	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN FENCE ELEVATIONS & DETAIL, AND MEDALLION ELEVATIONS, RENDERINGS & SECTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLCT SCALE = AS NOTED	CHECKED -	REVISED -			(X1-6)HB-4	WILLIAMSON	10	A5	
	PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -	SHEET NO. 6 OF 10 SHEETS		CONTRACT NO. 78619		ILLINOIS FED. AID PROJECT		



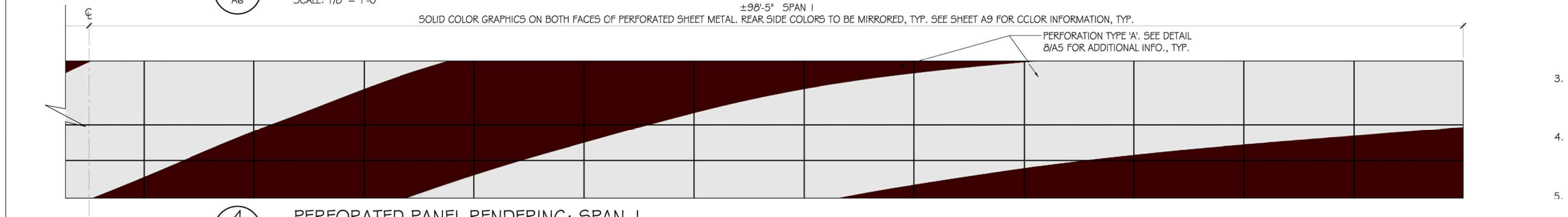
1 PERFORATED PANEL: SPAN 2
SCALE: 1/4" = 1'-0"



2 PERFORATED PANEL: SPAN 1
SCALE: 1/4" = 1'-0"



3 PERFORATED PANEL RENDERING: SPAN 2
SCALE: 1/8" = 1'-0"

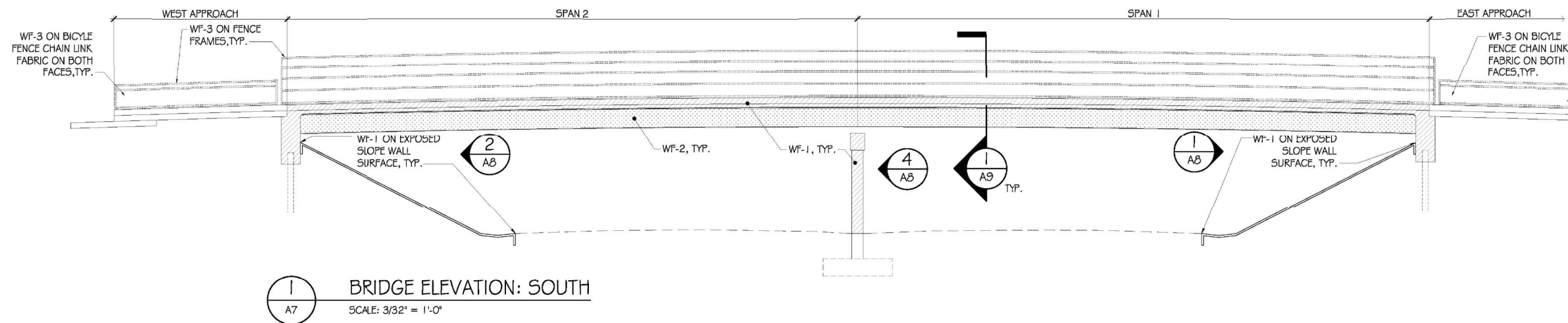


4 PERFORATED PANEL RENDERING: SPAN 1
SCALE: 1/8" = 1'-0"

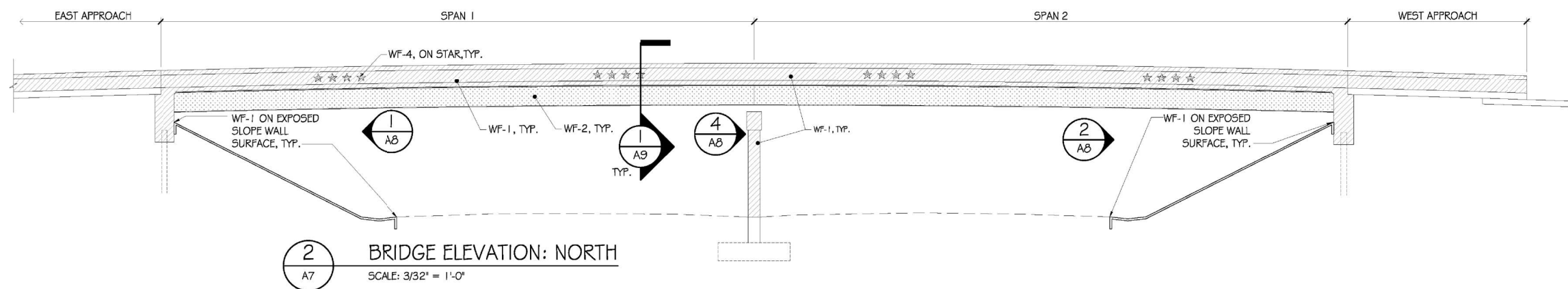
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 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH PERFORATED PANEL PATTERN LAYOUT FOR APPROVAL BY THE ENGINEER.
 - CONTRACTOR SHALL SUBMIT PERFORATED PANEL SAMPLES AND INSTALLATION DETAIL SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ENGINEER.

CDR <small>www.creativeengineering.com</small> <small>3413 Windsor Road</small> <small>Springfield, MO 65722</small> <small>phone: 301-699-0581</small>	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PERFORATED METAL PANEL ELEVATIONS & RENDERINGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLCT SCALE = AS NOTED	DRAWN -	REVISED -			(X1-6)HB-4	WILLIAMSON	10	A6	
	PLCT DATE = XX/XX/XXXX	CHECKED -	REVISED -			SHEET NO. 7 OF 10 SHEETS		CONTRACT NO. 78619		ILLINOIS FED. AID PROJECT

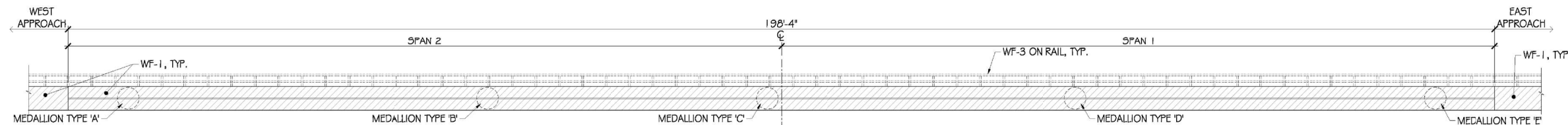
USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLCT SCALE =	DRAWN -	REVISED -
PLCT DATE =	CHECKED -	REVISED -



1 BRIDGE ELEVATION: SOUTH
SCALE: 3/32" = 1'-0"



2 BRIDGE ELEVATION: NORTH
SCALE: 3/32" = 1'-0"



3 PEDESTRIAN PARAPET WALL ELEVATION: SOUTH FACE
SCALE: 1/8" = 1'-0"

GENERAL NOTE

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- ALL EXPOSED CONCRETE SURFACES RECEIVING STAIN SEAL SHALL BE PROPERLY PREPARED PER SPECIFICATIONS PRIOR TO ANY INSTALLATION.
- ALL CONCRETE STAIN APPLICATION SHALL BE LIMITED TO SPECIFIED EXPOSED SURFACES ABOVE FINISHED GRADE.
- CONTRACTOR TO REFER TO ONLINE SITE AT WWW.FEDERALSTANDARDCOLOR.COM FOR THE FEDERAL STANDARD COLOR ID NUMBER.
- CONTRACTOR SHALL SUBMIT STAIN COLOR SAMPLE FOR REVIEW AND APPROVAL BY THE ENGINEER.

FINISH LEGEND (EXCLUDES PERFORATED SHEET METAL COLORS)					
TYPE	SYMBOL	FEDERAL COLOR ID NO.	MUNSELL COLOR NO.	COLOR	FINISH TYPE
WF-1	[Symbol]	27778	10YR 9/2	GENERAL/ LIGHT NEUTRAL	SEMIGLOSS
WF-2	[Symbol]	11105	5R 3/10	ACCENT/ BEAM RED	GLOSS
WF-3	[Symbol]	14084	N1	ACCENT/ CHARCOAL	GLOSS
WF-4	[Symbol]	23448	10YR 6/4	ACCENT/ WARM GRAY	SEMIGLOSS

CDR
www.cdrinc.com
3413 Wilshire Road
Brentwood, TN 37027
phone: 615-899-0581

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PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE FINISH ELEVATIONS: NORTH, SOUTH AND
PEDESTRIAN PARAPET WALL FINISHES

SHEET NO. 8 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	A7
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

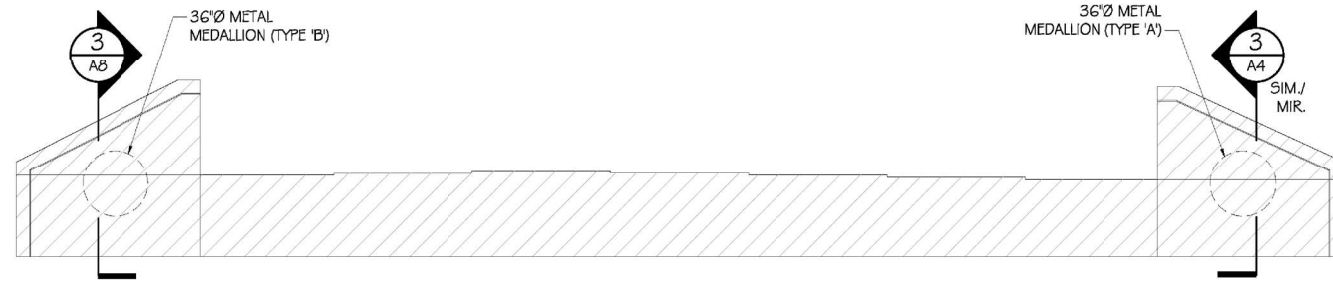
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	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

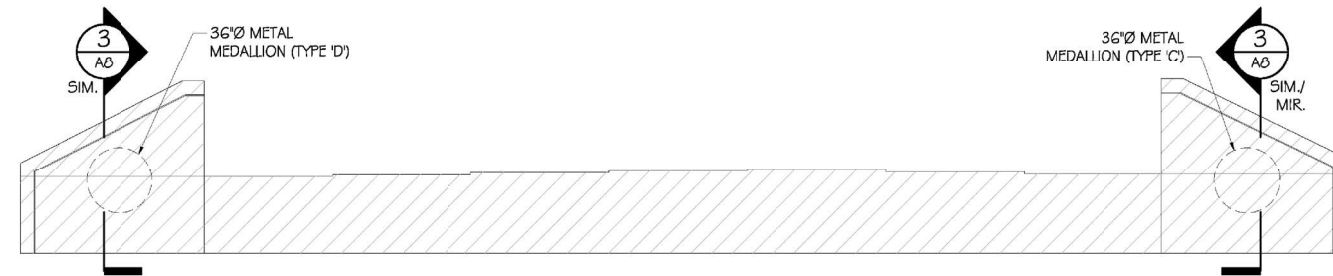
AESTHETIC SHEETS

SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.

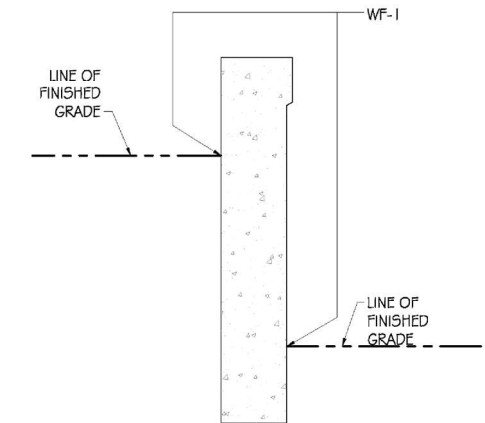
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	89
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



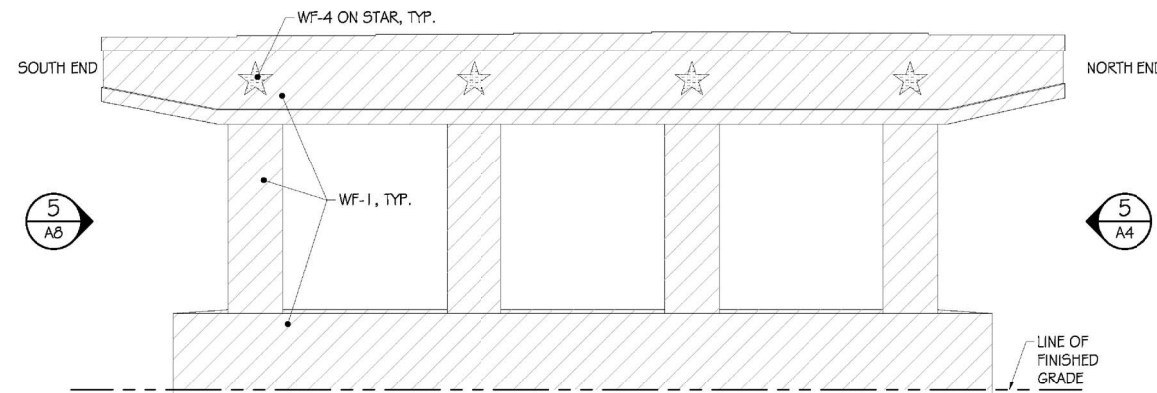
1 EAST ABUTMENT ELEV: WEST FACE
SCALE: 1/4" = 1'-0"



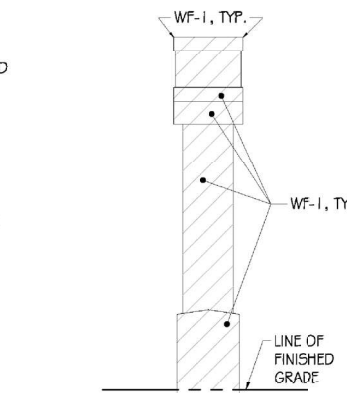
2 WEST ABUTMENT ELEV: EAST FACE
SCALE: 1/4" = 1'-0"



3 WING WALL SECTION
SCALE: 3/4" = 1'-0"



4 ENLARGED ELEV.: PIER
SCALE: 1/4" = 1'-0"



5 ENLARGED ELEV.: PIER END
SCALE: 1/4" = 1'-0"

GENERAL NOTE

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- CONTRACTOR TO REFERENCE STRUCTURAL DRAWINGS FOR ACCURATE DIMENSIONS OF BRIDGES AND ALL ASSOCIATED COMPONENTS.
- ALL EXPOSED CONCRETE SURFACES RECEIVING STAIN SEAL SHALL BE PROPERLY PREPARED PER SPECIFICATIONS PRIOR TO ANY INSTALLATION.
- ALL CONCRETE STAIN APPLICATION SHALL BE LIMITED TO SPECIFIED EXPOSED SURFACES ABOVE FINISHED GRADE.
- WEST FACE PIER ELEVATION IS OMITTED FOR REDUNDANCY. CONTRACTOR TO REFER TO EAST FACE PIER ELEVATION FOR STAIN COLOR OF BRIDGE COMPONENTS.
- CONTRACTOR TO REFER TO ONLINE SITE AT WWW.FEDERALSTANDARDCOLOR.COM FOR THE FEDERAL STANDARD COLOR ID NUMBER.
- CONTRACTOR SHALL SUBMIT STAIN COLOR SAMPLE FOR REVIEW AND APPROVAL BY THE ENGINEER.

FINISH LEGEND (EXCLUDES PERFORATED SHEET METAL COLORS)					
TYPE	SYMBOL	FEDERAL COLOR ID NO.	MUNSELL COLOR NO.	COLOR	FINISH TYPE
WF-1	[Diagonal Hatching]	27778	10YR 9/2	GENERAL/ LIGHT NEUTRAL	SEMIGLOSS
WF-2	[Dotted Pattern]	11105	5R 3/10	ACCENT/ BEAM RED	GLOSS
WF-3	[Cross-hatch Pattern]	14084	N1	ACCENT/ CHARCOAL	GLOSS
WF-4	[Horizontal Line Pattern]	23448	10YR 6/4	ACCENT/ WARM GRAY	SEMIGLOSS

CDR
www.creativebridgesolutions.com
3413 Woodlark Road
Springfield, MO 65777
Phone: 301-569-4561

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PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE FINISH ELEVATIONS: PIER AND WING WALL FINISHES
SHEET NO. 9 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(X1-6)HB-4	WILLIAMSON	10	AB
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
PLCT SCALE =	CHECKED -	REVISED -
PLCT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

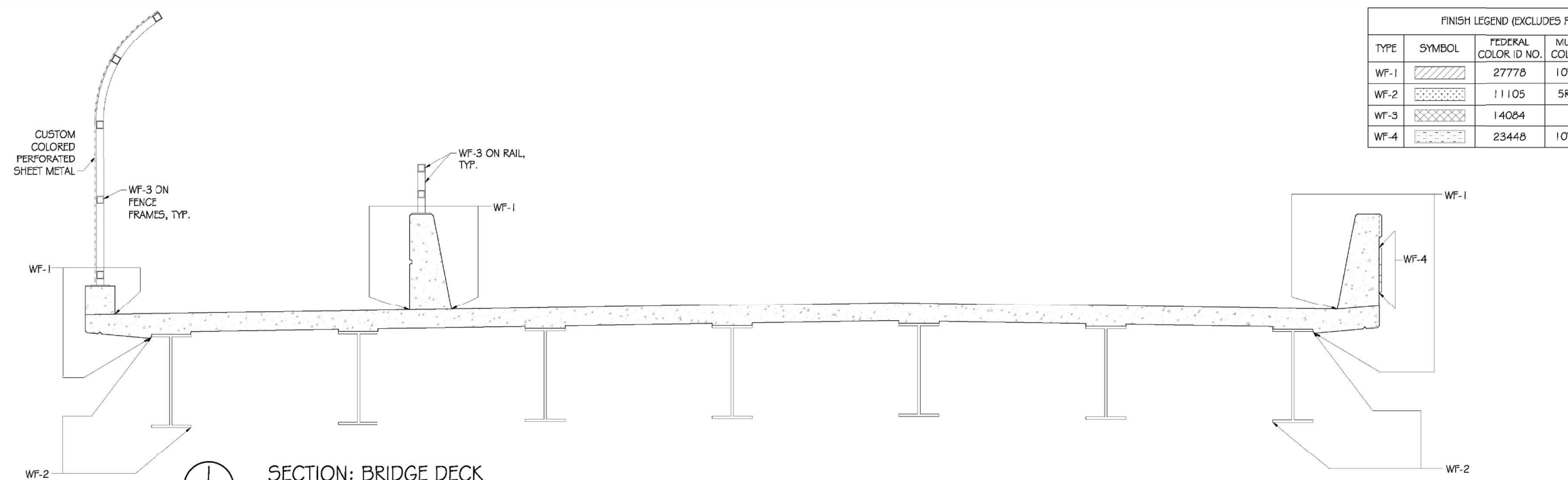
AESTHETIC SHEETS

SCALE: SHEET NO. 9 OF 10 SHEETS STA. TO STA.

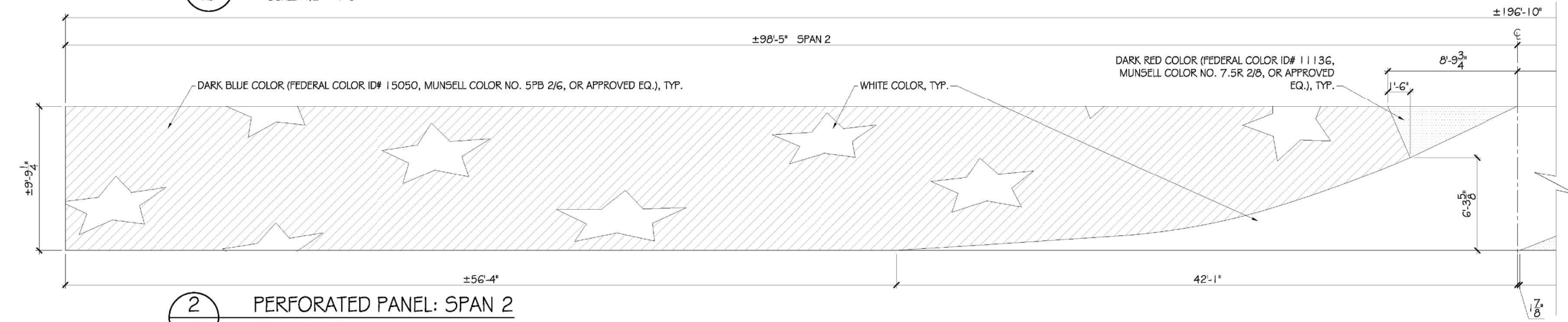
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	90
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

FINISH LEGEND (EXCLUDES PERFORATED SHEET METAL COLORS)					
TYPE	SYMBOL	FEDERAL COLOR ID NO.	MUNSELL COLOR NO.	COLOR	FINISH TYPE
WF-1		27778	10YR 9/2	GENERAL/ LIGHT NEUTRAL	SEMIGLOSS
WF-2		11105	5R 3/10	ACCENT/ BEAM RED	GLOSS
WF-3		14084	NI	ACCENT/ CHARCOAL	GLOSS
WF-4		23448	10YR 6/4	ACCENT/ WARM GRAY	SEMIGLOSS

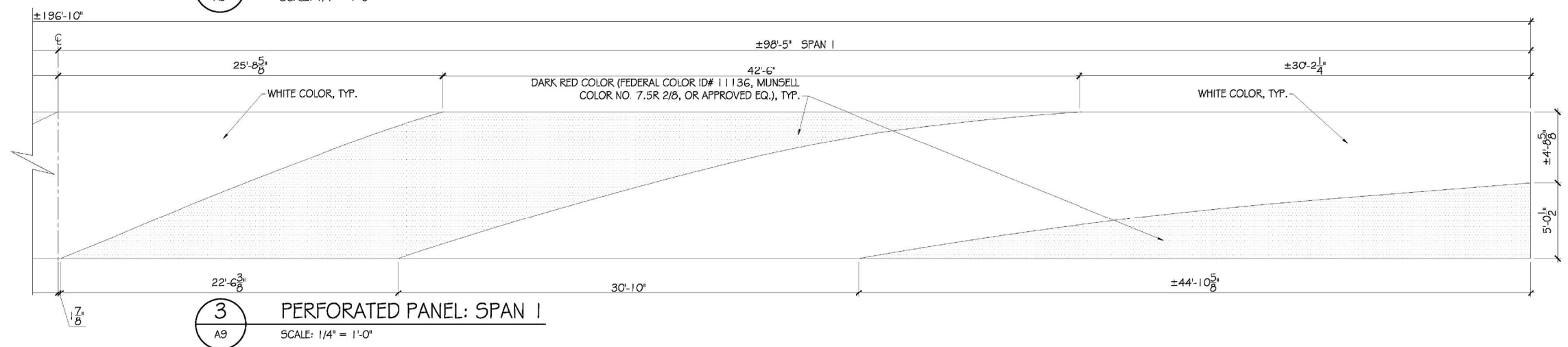
- GENERAL NOTE
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 - CONTRACTOR TO REFER TO ONLINE SITE AT WWW.FEDERALSTANDARDCOLOR.COM FOR THE FEDERAL STANDARD COLOR ID NUMBER.
 - CONTRACTOR SHALL SUBMIT STAIN COLOR SAMPLE FOR REVIEW AND APPROVAL BY THE ENGINEER.
 - REAR SIDE COLORS FOR PERFORATED SHEET METAL PANEL TO BE MIRROR/TYPICAL IMAGES OF FRONT SIDE COLORS.



1 SECTION: BRIDGE DECK
SCALE: 1/2" = 1'-0"



2 PERFORATED PANEL: SPAN 2
SCALE: 1/4" = 1'-0"



3 PERFORATED PANEL: SPAN 1
SCALE: 1/4" = 1'-0"

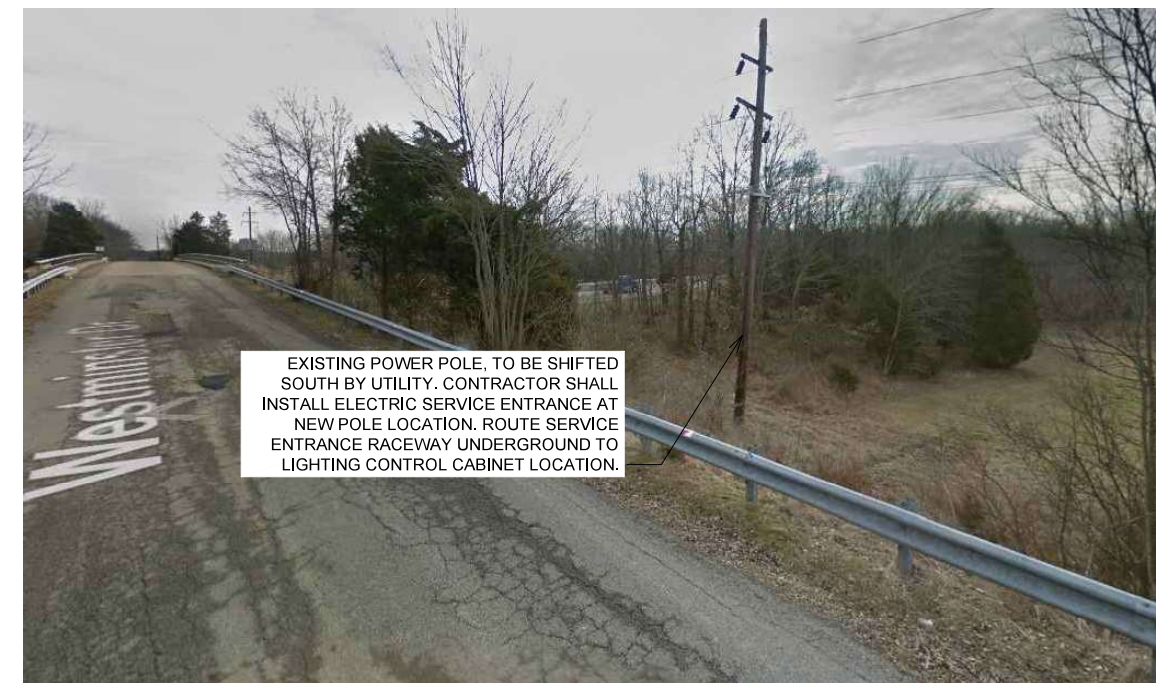
CDR <small>www.creativegraphicsillinois.com 2413 Webster Road Springfield, IL 62722 phone: 301-569-1251</small>	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE FINISH ELEVATIONS: BRIDGE DECK PERFORATED PANEL COLOR KEY ELEVATIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLCT SCALE = AS NOTED	CHECKED -	REVISED -			(X1-6)HB-4	WILLIAMSON	10	A9	
	PLCT DATE = XX/XX/XXXX	DRAWN -	REVISED -			CONTRACT NO. 78619				
		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				



ELECTRICAL SITE PLAN
NO SCALE

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
2. COORDINATE EXACT LOCATION OF EQUIPMENT AND FIXTURES WITH GENERAL CONTRACTOR, OWNER AND ENGINEER PRIOR TO ROUGH-IN.
3. ALL EXTERIOR RACEWAYS THAT EXTEND FROM BELOW GRADE TO ABOVE GRADE SHALL BE INSTALLED WITH EXPANSION COLLAR SLEEVES.
4. UNDERGROUND CONDUIT ROUTING IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO DICTATE EXACT LOCATION. CONTRACTOR IS TO DETERMINE BEST ROUTING BASED ON OTHER UTILITIES AND FIELD CONDITIONS.
5. CONTRACTOR SHALL FURNISH UNDERGROUND PULL BOXES AS NECESSARY FOR A COMPLETE INSTALLATION.
6. ELECTRICAL INFRASTRUCTURE NOT SHOWN TO SCALE FOR CLARITY.
7. ELECTRIC SERVICE ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SOUTHERN ELECTRIC COOPERATIVE REQUIREMENTS AND GUIDELINES.



**EXISTING POWER POLE
(LOOKING EAST)**

NO SCALE

FILE NAME: \$FILEL\$
\$DATE\$ \$TIME\$

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

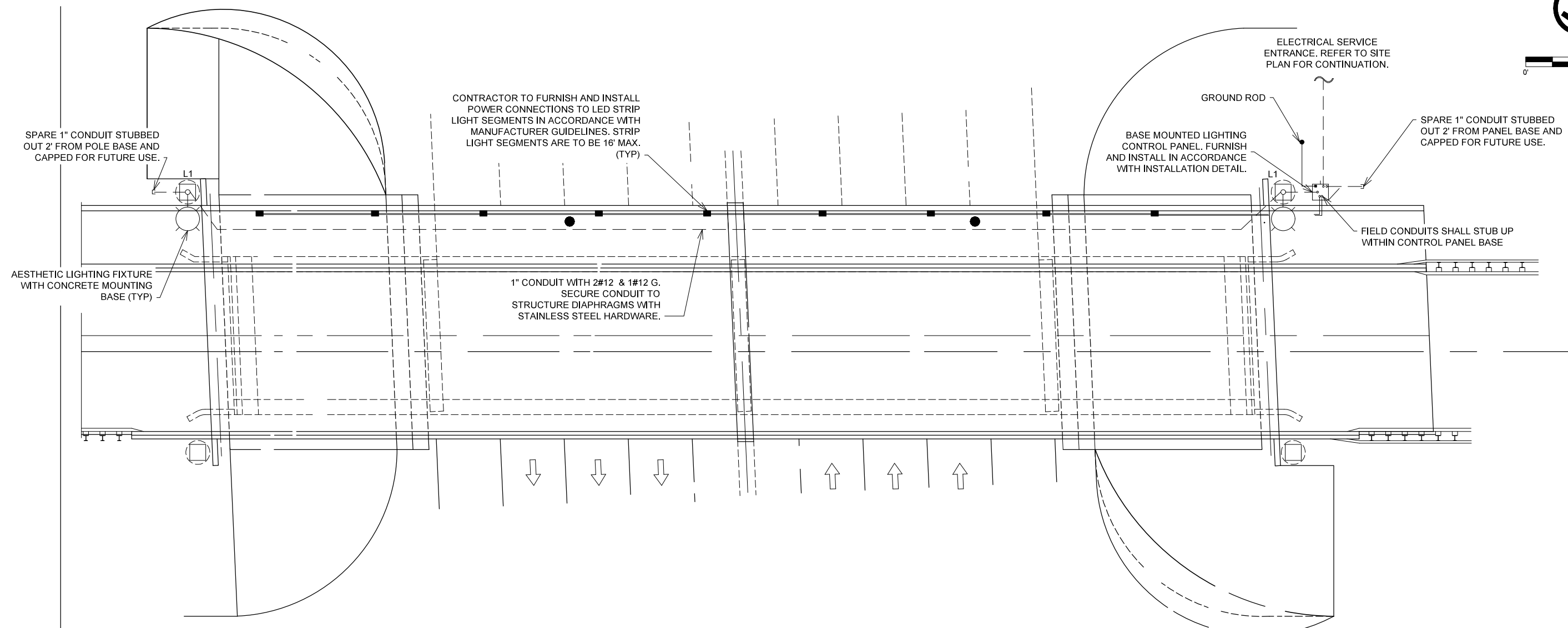
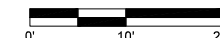
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PLOT SCALE = _____	DRAWN - JDL	REVISED - _____
PLOT DATE = 11-11-2021	CHECKED - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL SITE PLAN
STRUCTURE NO. 100-0104**

SHEET 92 OF 135 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	92
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES:

- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- COORDINATE EXACT LOCATION OF EQUIPMENT AND FIXTURES WITH GENERAL CONTRACTOR, OWNER AND ENGINEER PRIOR TO ROUGH-IN.
- ALL EXTERIOR RACEWAYS THAT EXTEND FROM BELOW GRADE TO ABOVE GRADE SHALL BE INSTALLED WITH EXPANSION COLLAR SLEEVES.
- OBSERVE ENVIRONMENT AND AREA CLASSIFICATIONS AS REQUIRED. FOLLOW ALL APPLICABLE CODES.
- UNDERGROUND CONDUIT ROUTING IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO DICTATE EXACT ROUTING. CONTRACTOR IS TO DETERMINE BEST ROUTING BASED ON OTHER UTILITIES AND FIELD CONDITIONS.
- CONTRACTOR SHALL FURNISH UNDERGROUND PULL BOXES AS NECESSARY FOR A COMPLETE INSTALLATION.
- REFER TO SHEET 89 FOR AESTHETIC LED STRIP LIGHTING PATTERN. INSTALL LIGHTING SYSTEM IN ACCORDANCE WITH MANUFACTURER GUIDELINES.
- LED STRIP LIGHTING DRIVERS, DMX DECODER AND POWER SPLITTERS TO BE LOCATED IN LIGHTING CONTROL PANEL. CONTRACTOR SHALL COORDINATE MOST EFFICIENT LAYOUT AND HOMERUN SCHEDULE WITH OWNER AND LIGHTING SUPPLIER.

LEGEND

<p>— EXPOSED CONDUIT</p> <p>- - - CONDUIT RUN UNDERGROUND OR IN CONCRETE</p> <p>— BARE COPPER GROUND</p> <p>— FO — FIBER OPTIC CABLE CONDUIT</p> <p>○ PENDANT MOUNTED FIXTURE</p> <p>○ WALL MOUNTED FIXTURE</p> <p>○ POLE MOUNTED FIXTURE</p> <p>○ FLUORESCENT LIGHTING FIXTURE</p> <p>○ EMERGENCY LIGHT FIXTURE</p> <p>○ EXIT LIGHT</p> <p>○ LIGHT SWITCH</p> <p>○ LIGHT SWITCH, 3 WAY</p> <p>○ 120V DUPLEX RECEPTACLE, NEMA 5-20R</p> <p>○ 120V DUPLEX RECEPTACLE, NEMA 5-20R, COUNTER TOP</p> <p>○ 120V DUPLEX RECEPTACLE, NEMA 5-20R, WEATHER-PROOF</p> <p>○ SINGLE SPECIAL-PURPOSE RECEPTACLE, AMPERAGE AND VOLTAGE AS NOTED ON PLANS</p> <p>○ TELEPHONE OUTLET, M.H. +12" AFF</p> <p>○ DATA COMMUNICATION OUTLET, M.H. +12"</p> <p>○ CABLE TV</p> <p>○ DISCONNECT SWITCH</p> <p>○ PUSHBUTTON STATION, SEE SCHEMATICS FOR TYPE</p> <p>○ PUSHBUTTON STATION, SEE SCHEMATICS FOR TYPE</p>	<p>(M) MOTOR</p> <p>(J) JUNCTION BOX OR FITTING</p> <p>(T) THERMOSTAT</p> <p>□ HORN</p> <p>● GROUND CONNECTION - EXOTHERMIC TYPE</p> <p>● GROUND ROD 3/4" x 10' - 0" WITH GROUND WELL (UNLESS OTHERWISE NOTED)</p> <p>■ GROUND CONNECTION BOLTED TYPE</p> <p>CIRCUIT BREAKER</p> <p>○ 100 - FRAME (AMPS)</p> <p>○ 20 - TRIP (AMPS)</p> <p>MCP</p> <p>○ 7 - CONTINUOUS AMPS</p> <p>MCP - TRIP SETTING BASED ON MOTOR HORSEPOWER REDUCED VOLTAGE AUTO TRANSFORMER</p> <p>NEMA RATED MOTOR STARTER</p> <p>I - STARTER SIZE</p> <p>FVNR — FULL VOLTAGE NON-REVERSING</p> <p>RVAT — FULL VOLTAGE REVERSING</p> <p>XXX</p> <p>VFD</p> <p>○ VARIABLE FREQUENCY DRIVE *INDICATES AMPERE RATING</p> <p>○ REDUCED VOLTAGE SOLID STATE STARTER *INDICATES AMPERE RATING</p> <p>RVSS</p> <p>○ PACKAGED EQUIPMENT *INDICATES KW, KVA OR HP RATING AS INDICATED</p> <p>○ 10</p> <p>○ INDUCTION MOTOR 10HP NOTED</p> <p>○ TRANSFORMER WITH GROUNDED SECONDARY, KVA SIZE & VOLTAGE RATIO AS NOTED.</p>	<p>○ SHIELDED ISOLATION TRANSFORMER, KVA SIZE & VOLTAGE RATIO AS NOTED</p> <p>○ POTENTIAL TRANSFORMER</p> <p>○ CURRENT TRANSFORMER</p> <p>○ DISCONNECT SWITCH, SIZE AS NOTED</p> <p>○ FUSED DISCONNECT SWITCH</p> <p>○ CAPACITOR, KVAR AS NOTED</p> <p>○ PLAN NOTE NUMBER</p> <p>○ LED STRIP LIGHT</p> <p>■ LED STRIP LIGHT POWER CONNECTION</p>
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FILE NAME: \$FILEL\$



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PLOT SCALE =	DRAWN - JDL	REVISED -
PLOT DATE = 11-11-2021	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL LIGHTING PLAN
STRUCTURE NO. 100-0104**

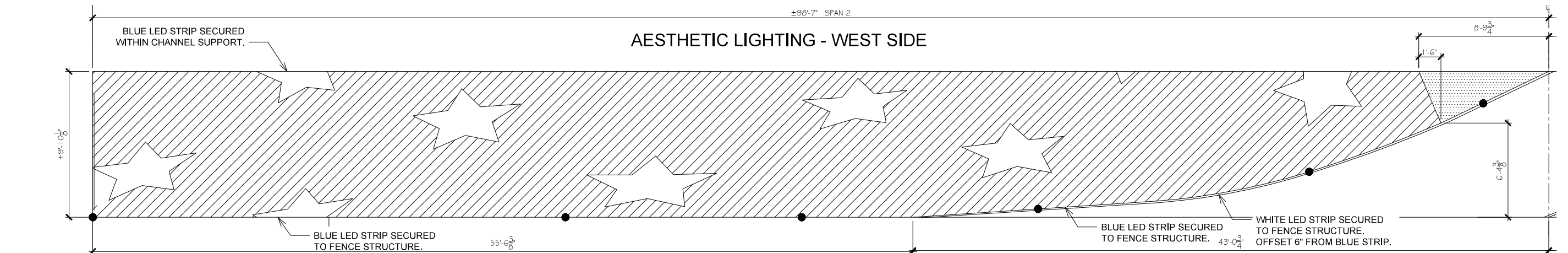
SHEET 93 OF 135 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	93
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

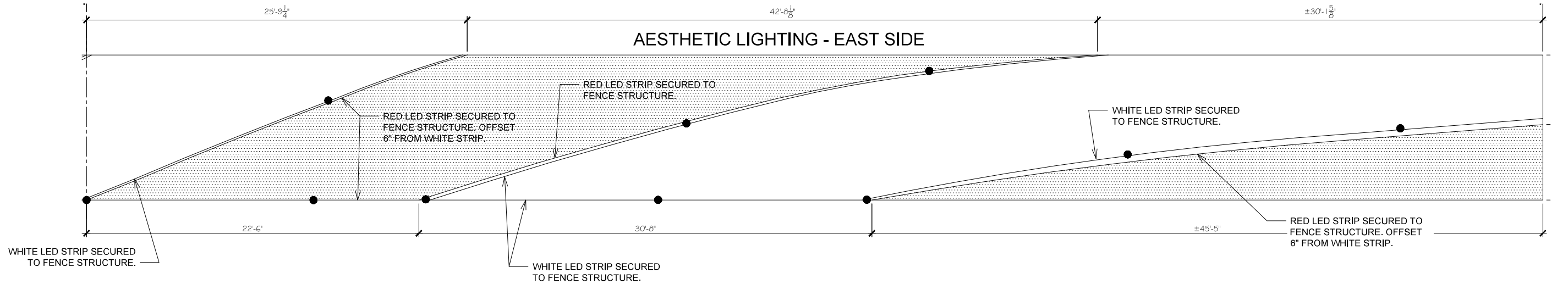
SDATES \$TIMES

±98'-7" SPAN 2

AESTHETIC LIGHTING - WEST SIDE



AESTHETIC LIGHTING - EAST SIDE



AESTHETIC LIGHTING - SOUTH ELEVATION

NO SCALE

● SYMBOL SIGNIFIES LED STRIP LIGHT CONNECTOR. CONTRACTOR TO CONFIRM ACTUAL LED STRIP LIGHT LENGTHS WITH MANUFACTURER.

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH WORK. LED STRIP LENGTHS AND CONNECTOR LOCATIONS ARE REPRESENTATIVE IN NATURE. CONTRACTOR SHALL CONFIRM ACTUAL CONFIGURATION DURING SHOP DRAWING SUBMITTAL.
2. COORDINATE EXACT LOCATION OF EQUIPMENT AND FIXTURES WITH GENERAL CONTRACTOR, OWNER AND ENGINEER PRIOR TO ROUGH-IN.
3. ALL EXTERIOR RACEWAYS THAT EXTEND FROM BELOW GRADE TO ABOVE GRADE SHALL BE INSTALLED WITH EXPANSION COLLAR SLEEVES.
4. LED STRIP LIGHTS SHALL BE SECURED TO FENCE STRUCTURE WITH MOUNTING CHANNEL OR CLIPS, IN ACCORDANCE WITH MANUFACTURER GUIDELINES. PROVIDE AND INSTALL POWER WIRING HOMERUNS BASED ON LED STRIP LENGTH LIMITATIONS.
5. ALL SURFACE-MOUNTED CONDUIT, BOXES, ELECTRICAL EQUIPMENT AND ENCLOSURES SHALL BE PAINTED TO MATCH MOUNTING SURFACE.
6. CONTRACTOR SHALL COMBINE ALL POWER SUPPLIES, CONTROLLERS, SPLITTERS AND OTHER LIGHTING EQUIPMENT WITHIN LIGHTING CONTROL PANEL. COORDINATE REQUIRED QUANTITIES WITH MANUFACTURER PRIOR TO ROUGH-IN.

FILE NAME: \$FILEL\$



USER NAME =	DESIGNED - JDL	REVISED -
	CHECKED - TRC	REVISED -
PLOT SCALE =	DRAWN - JDL	REVISED -
PLOT DATE = 11-11-2021	CHECKED -	REVISED -

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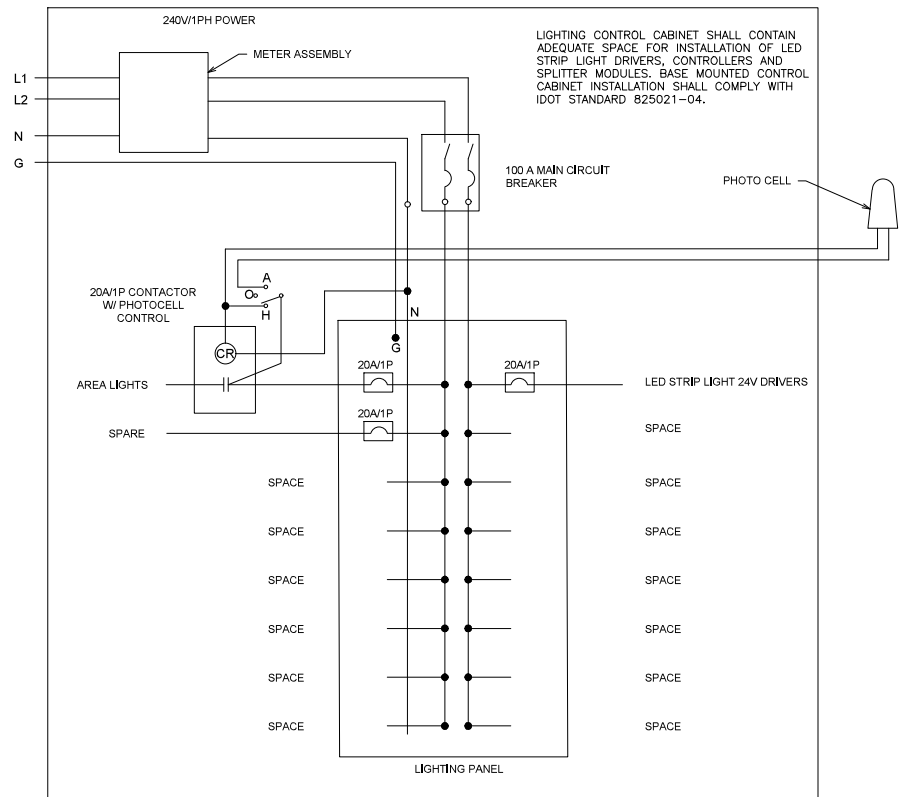
ELECTRICAL LIGHTING SECTION
STRUCTURE NO. 100-0104

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	94
CONTRACT NO. 78619				

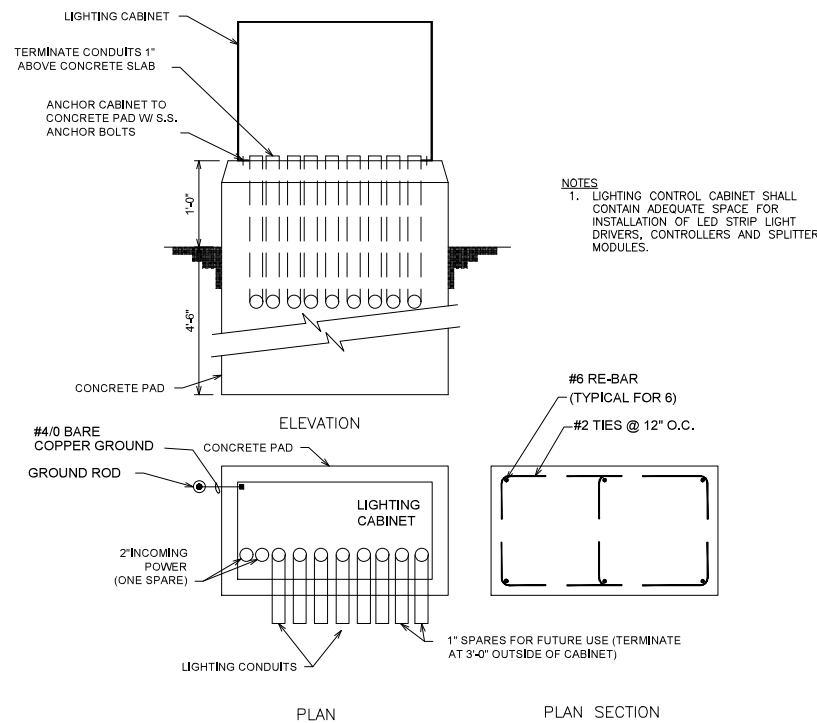
SHEET 94 OF 135 SHEETS

ILLINOIS FED. AID PROJECT

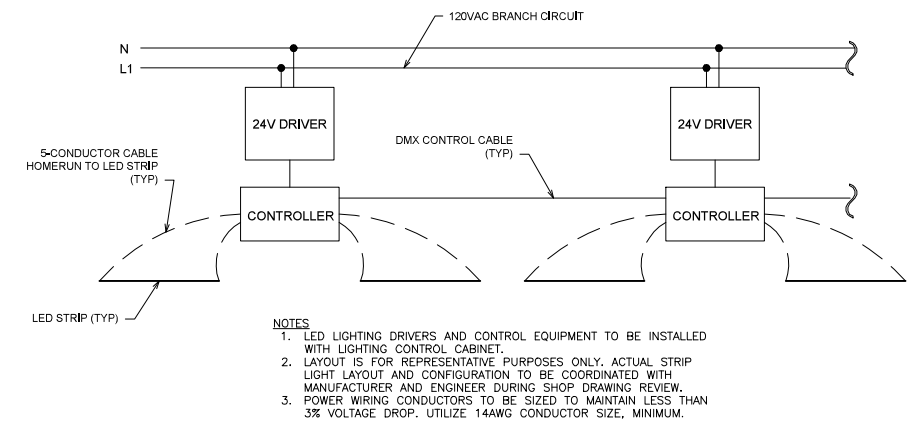
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LIGHTING CONTROL PANEL WIRING SCHEMATIC (600)



LIGHTING CONTROL CABINET FOUNDATION DETAIL (605)



LED STRIP LIGHT SCHEMATIC (635)

LIGHT FIXTURE SCHEDULE					
PLAN ID	BASIS OF DESIGN	ALTERNATE MANUFACTURER	FIXTURE DATA	VOLTAGE	NOTES
L1	LSI INDUSTRIES OPS PT 3L 3W UNV 40K8 BLK EXT	HOLOPHANE	20W LED, 2,800 LUMEN, 40K	120	1, 2, 3
P1	LSI 4RPN A156 16' N	HOLOPHANE	16' ALUMINUM POLE WITH BLACK FINISH		3
LED STRIP	WESTFLEX TPR-FL-NEON-B	APPROVED EQUAL	4W/FT LED STRIP, BLUE, IP65 RATED	24	1, 2, 3
LED STRIP	WESTFLEX TPR-FL-NEON-R	APPROVED EQUAL	4W/FT LED STRIP, RED, IP65 RATED	24	1, 2, 3
LED STRIP	WESTFLEX TPR-FL-NEON-4000K	APPROVED EQUAL	4W/FT LED STRIP, WHITE, 40K, IP65 RATED	24	1, 2, 3

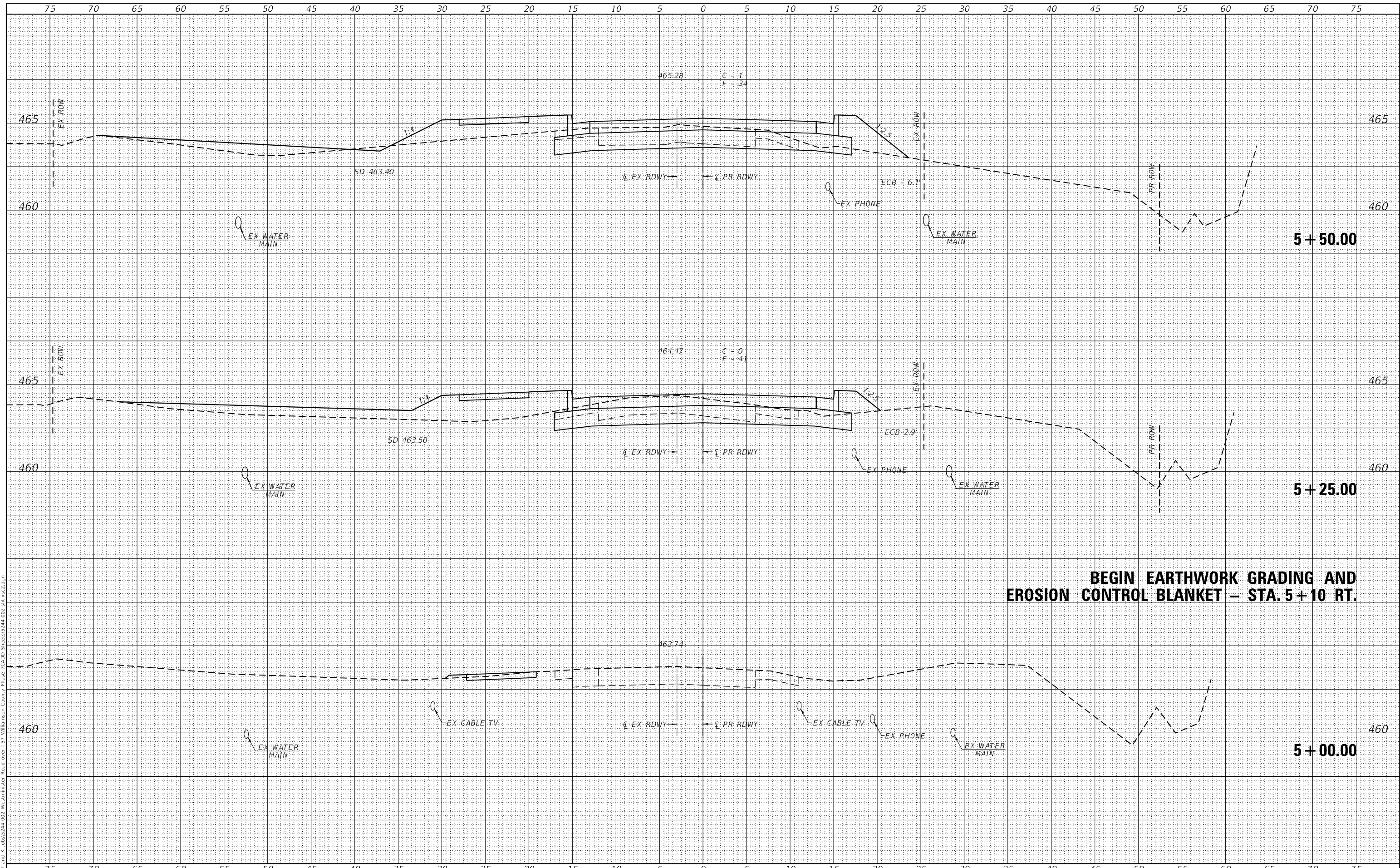
NOTES:

- FURNISH FIXTURE WITH INTEGRAL DIMMING CONTROLS.
- SHALL BE DESIGNED TO OPERATE IN COLD TEMPERATURES.
- FURNISH WITH MOUNTING HARDWARE

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FINAL SURVEY	
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AREAS CORRECTED	
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NOTE BOOK	
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**BEGIN EARTHWORK GRADING AND
 EROSION CONTROL BLANKET - STA. 5+10 RT.**

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USER NAME = ckanrus	DESIGNED - _____	REVISED - _____
PILOT SCALE = 10.0044 1/ in.	DRAWN - _____	REVISED - _____
PILOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

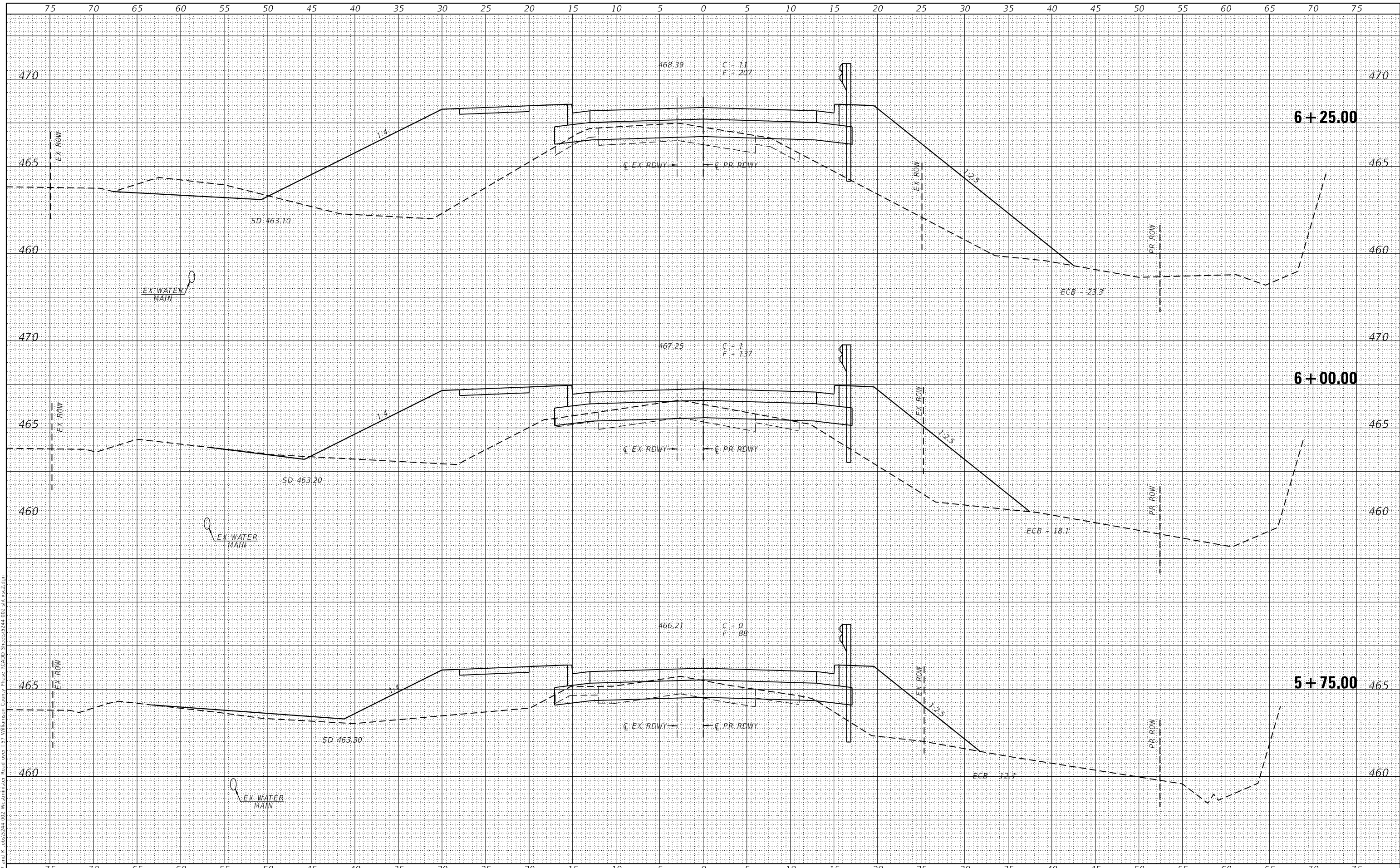
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	96
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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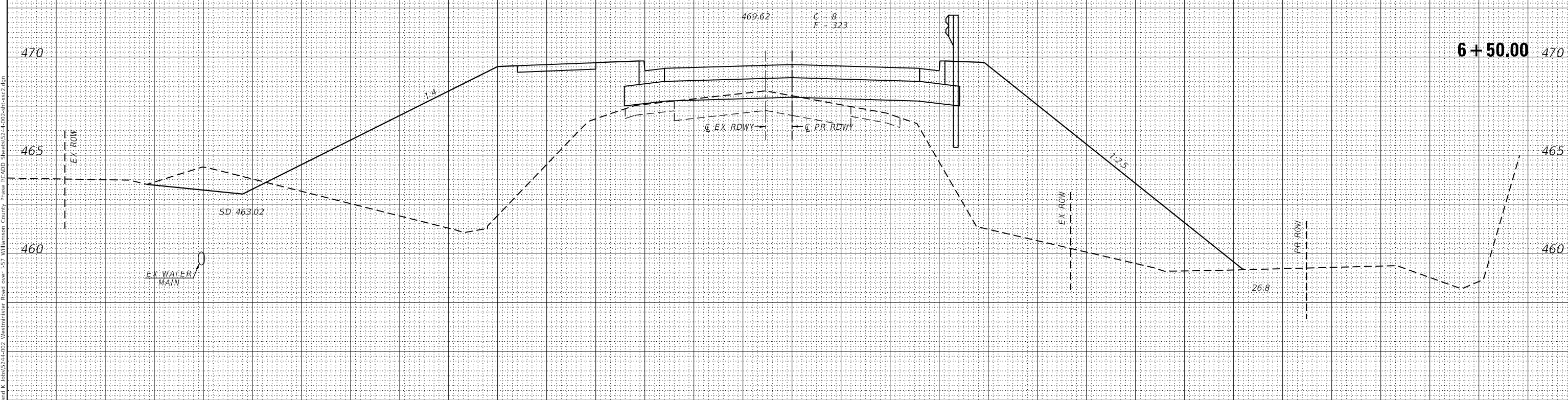
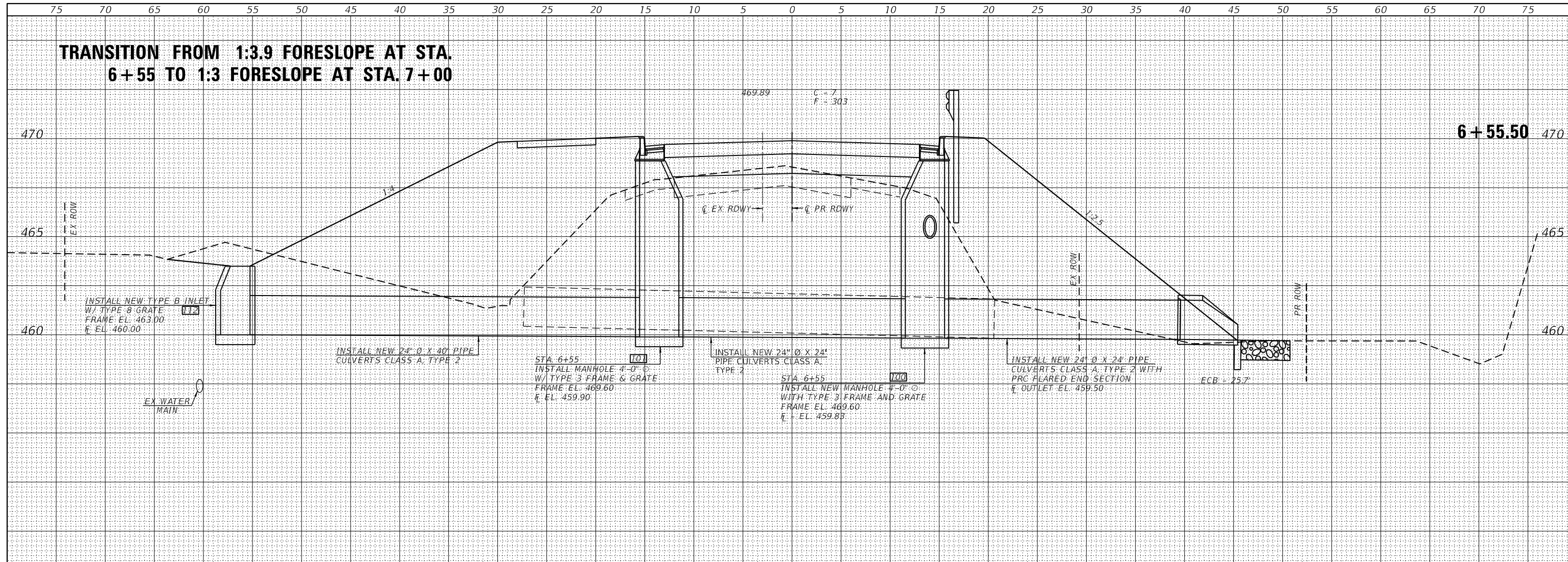
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE CROSS SECTIONS

SCALE: _____ SHEET 2 OF 36 SHEETS STA. 5+75.00 TO STA. 6+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	97
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

TRANSITION FROM 1:3.9 FORESLOPE AT STA. 6+55 TO 1:3 FORESLOPE AT STA. 7+00



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USER NAME = ccknlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,0000' / in.	DRAWN - _____	REVISED - _____
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	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

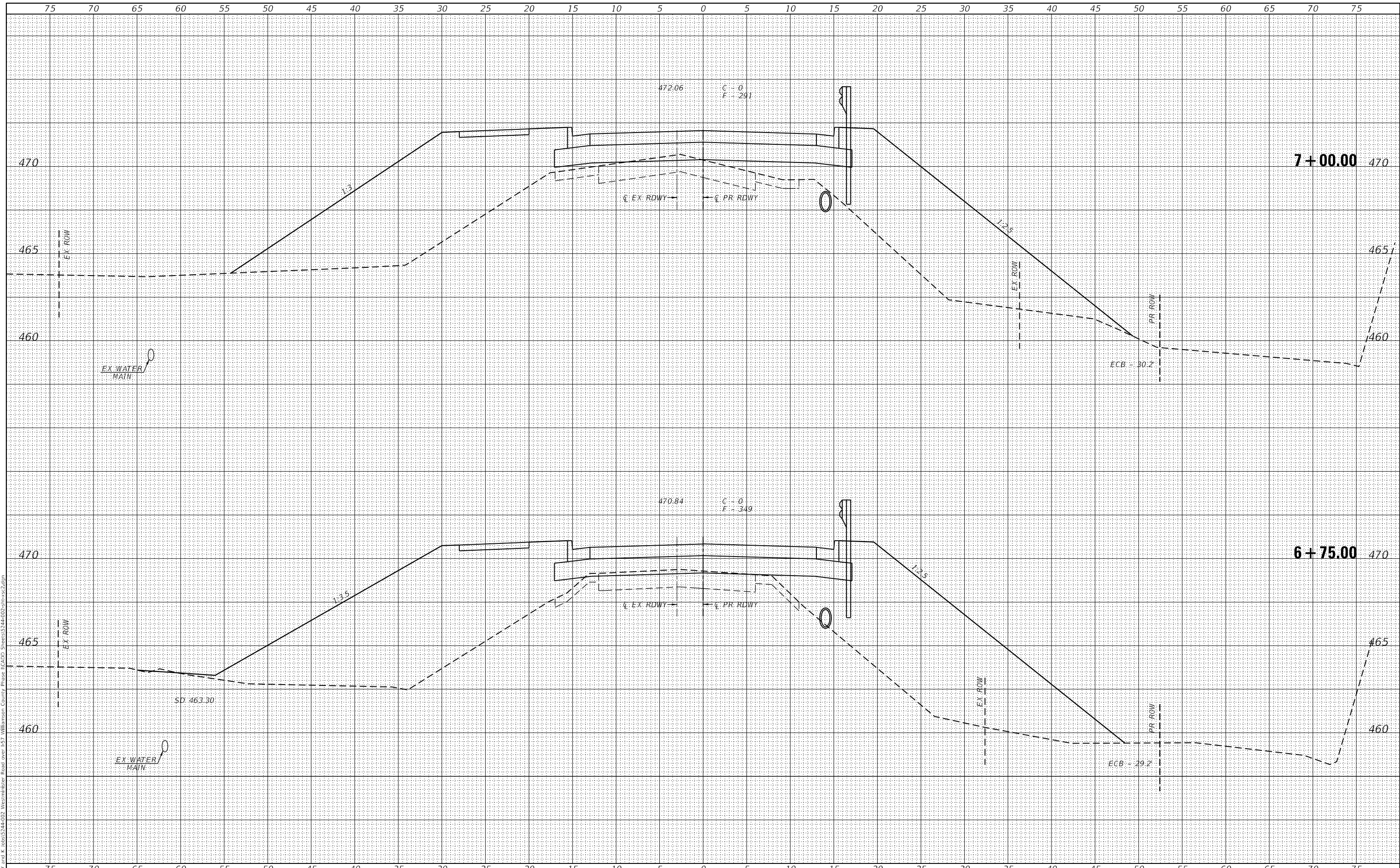
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	98
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 10,0026 ' / in.	DRAWN - _____	REVISED - _____
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

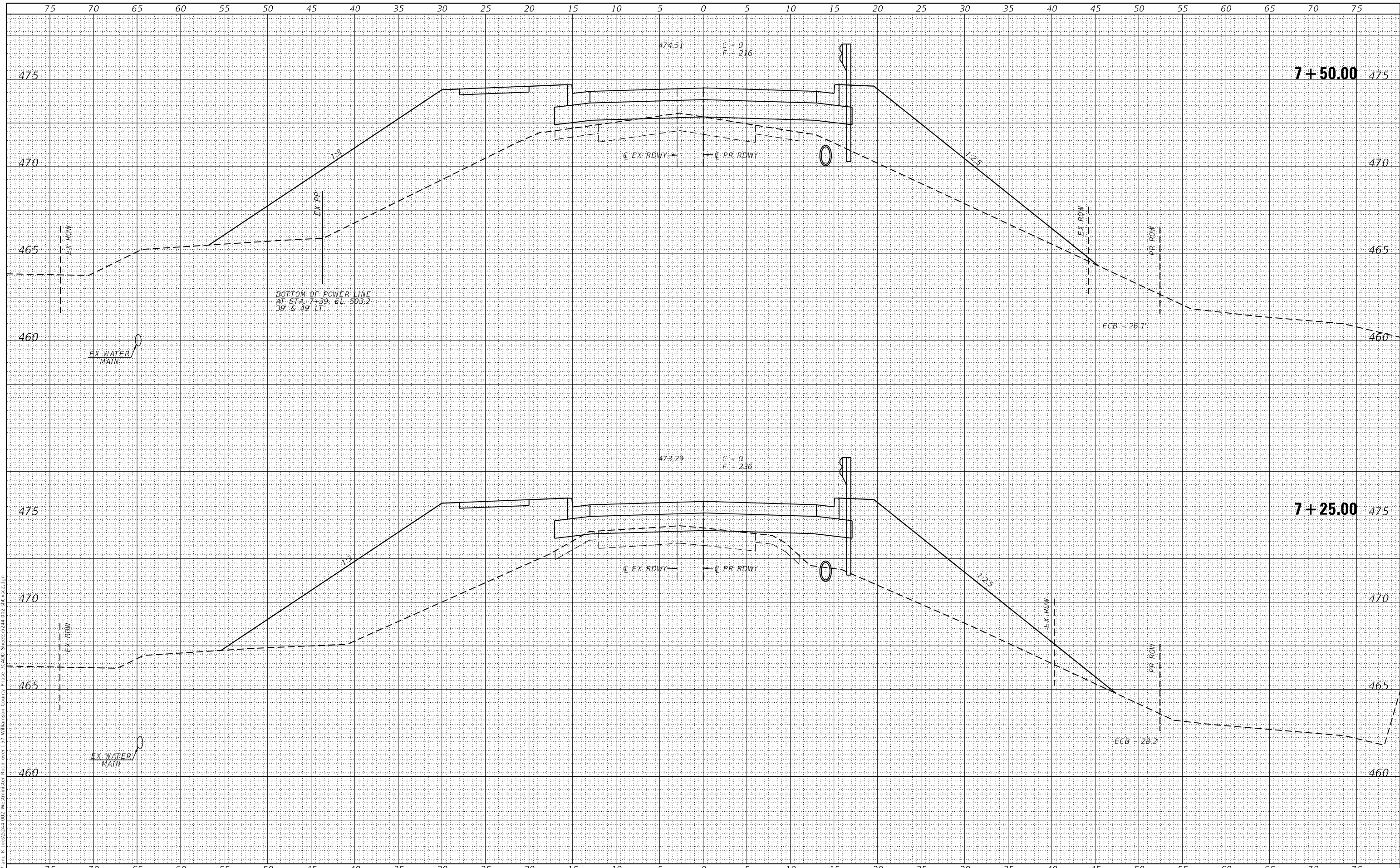
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	99
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

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USER NAME = ccknlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,000' 1" / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE CROSS SECTIONS

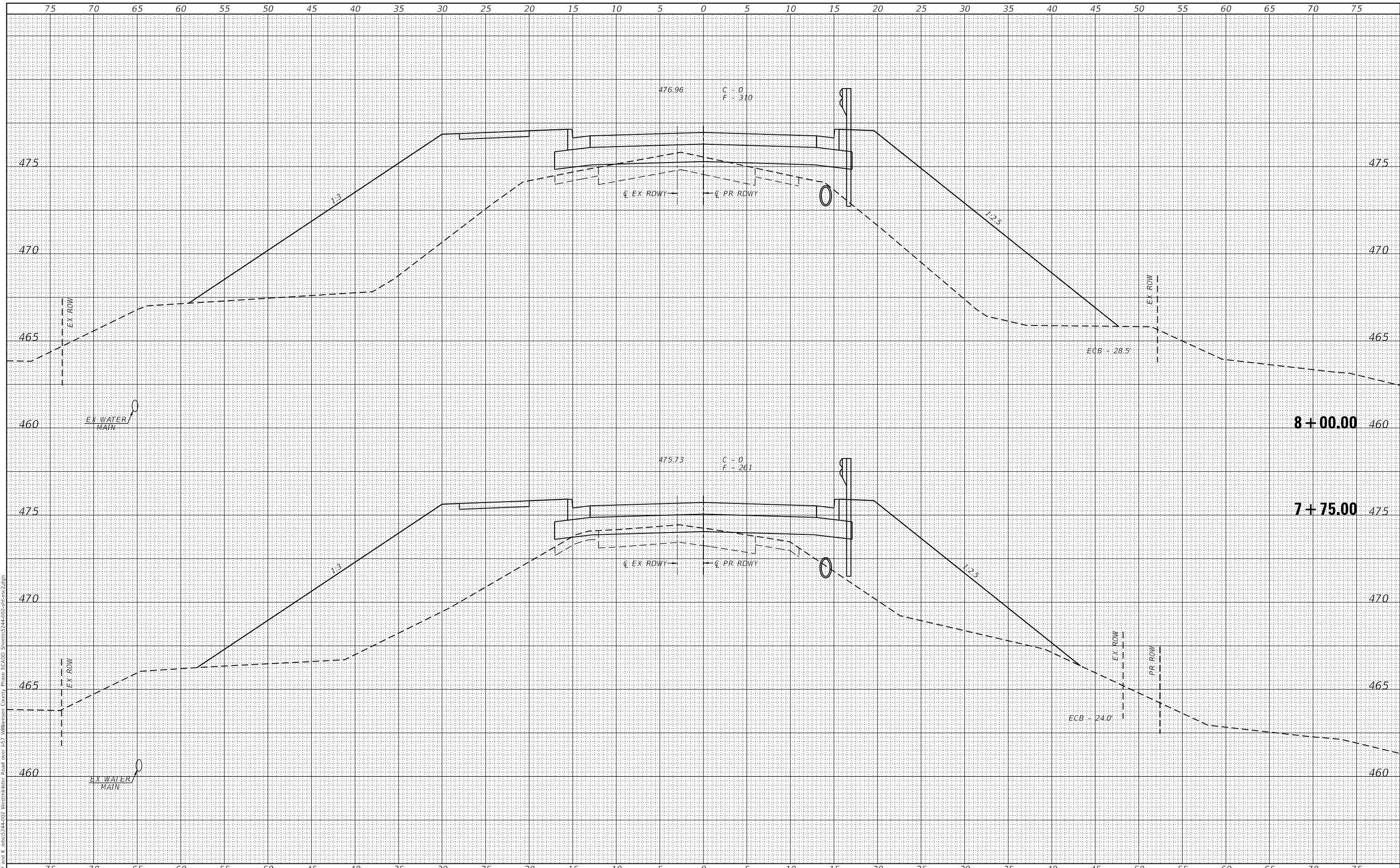
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	100
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 10.0027' / in.	DRAWN - _____	REVISED - _____
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

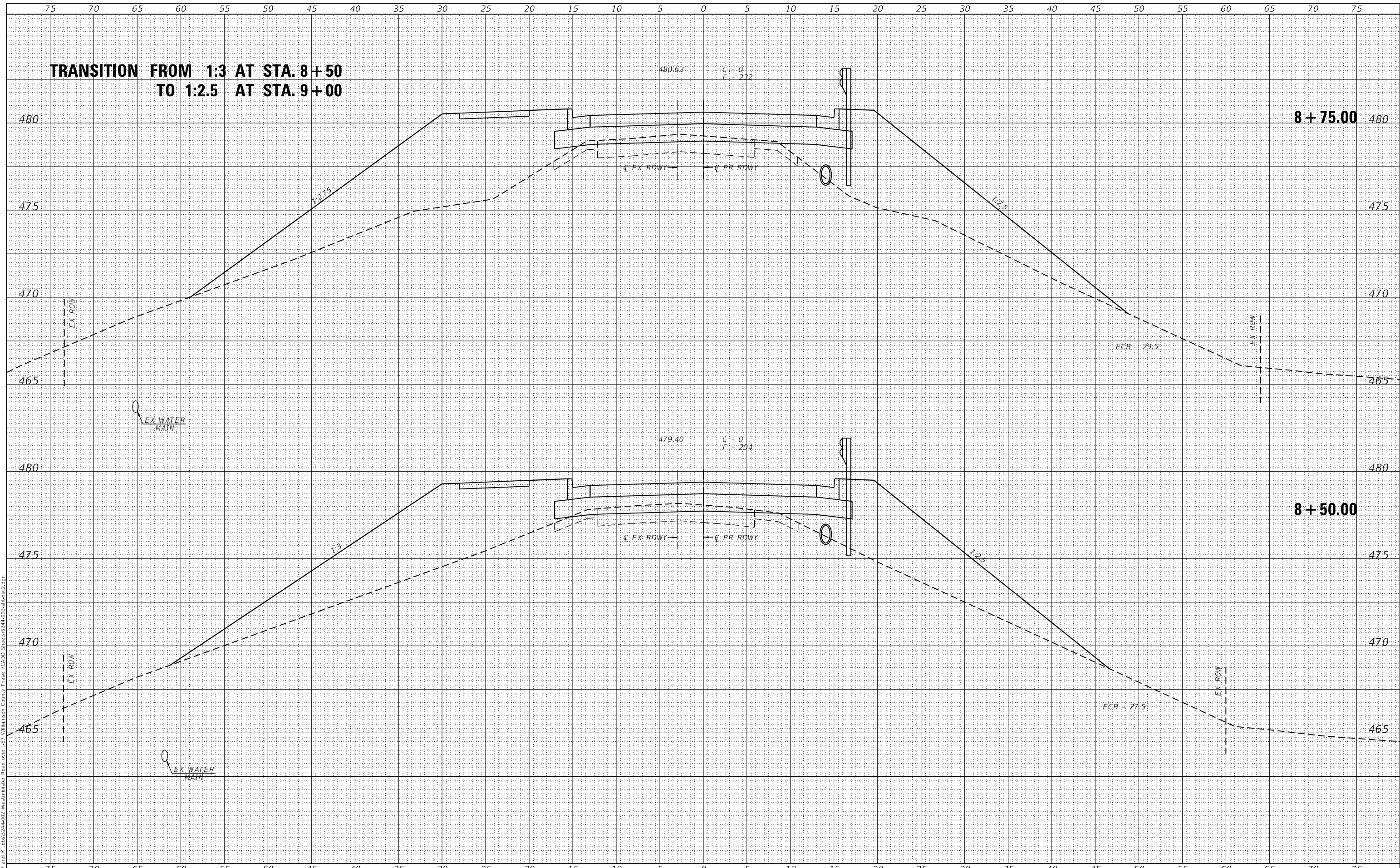
WESTMINSTER DRIVE CROSS SECTIONS
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	101
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 10.0030' / in.	DRAWN - _____	REVISED - _____
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**STATE OF ILLINOIS
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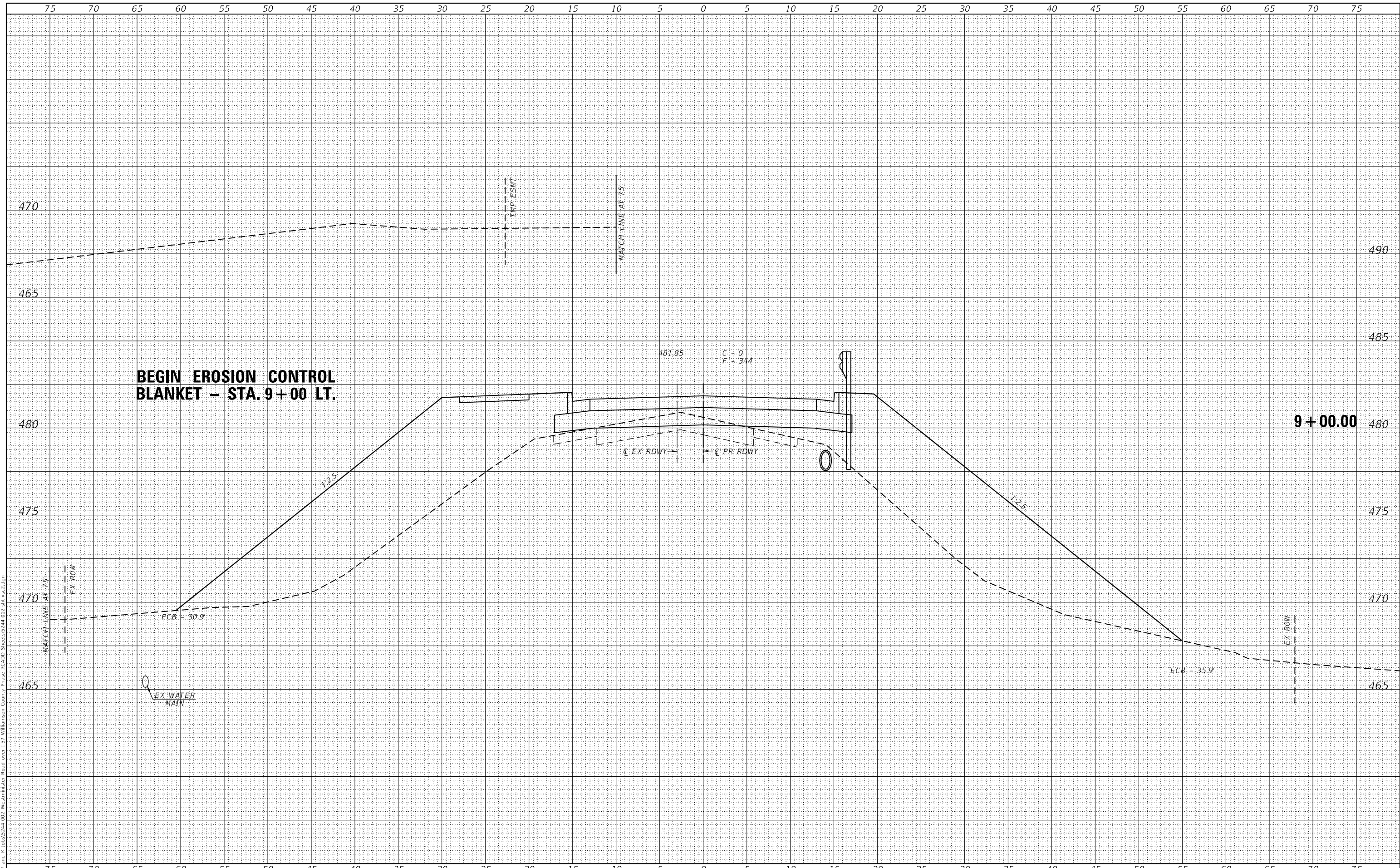
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 8 OF 36 SHEETS STA. 8+50.00 TO STA. 8+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	103
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	SURVEYED
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PLOT SCALE = 10.0018 ' / in.	DRAWN - _____	REVISED - _____
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**STATE OF ILLINOIS
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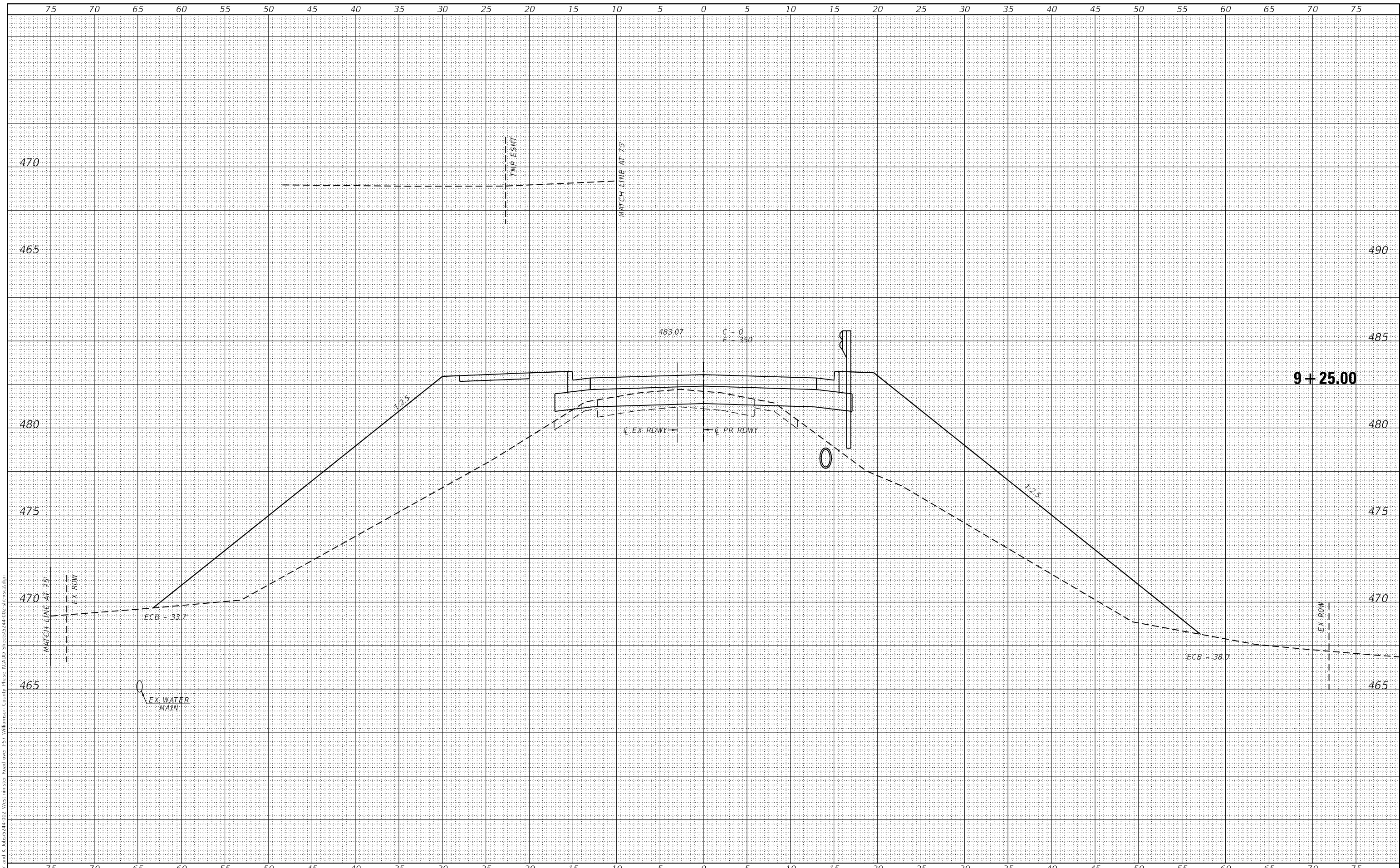
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 9 OF 36 SHEETS STA. 9+00.00 TO STA. 9+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	104
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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MODEL: Default
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USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,0119' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

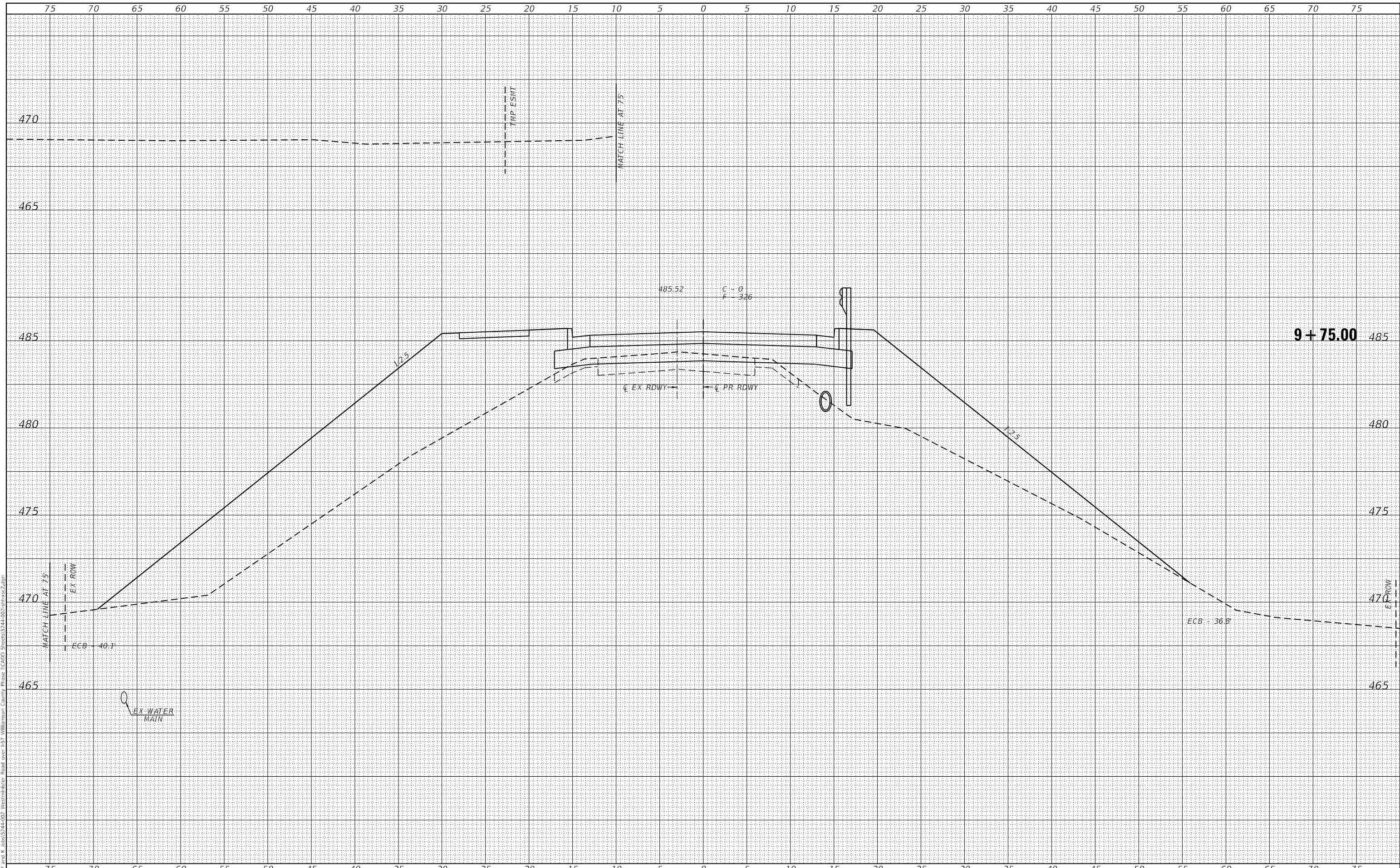
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 10 OF 36 SHEETS STA. 9+25.00 TO STA. 9+25.00

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 105
CONTRACT NO. 78619			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaul
 FILE NAME: Z:\0 V and K Jobs\524-002 Westminister Drive over I-57 Williamson County Phase I\CADD Sheets\524-002-10-10-22.dwg



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhlnus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0017' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

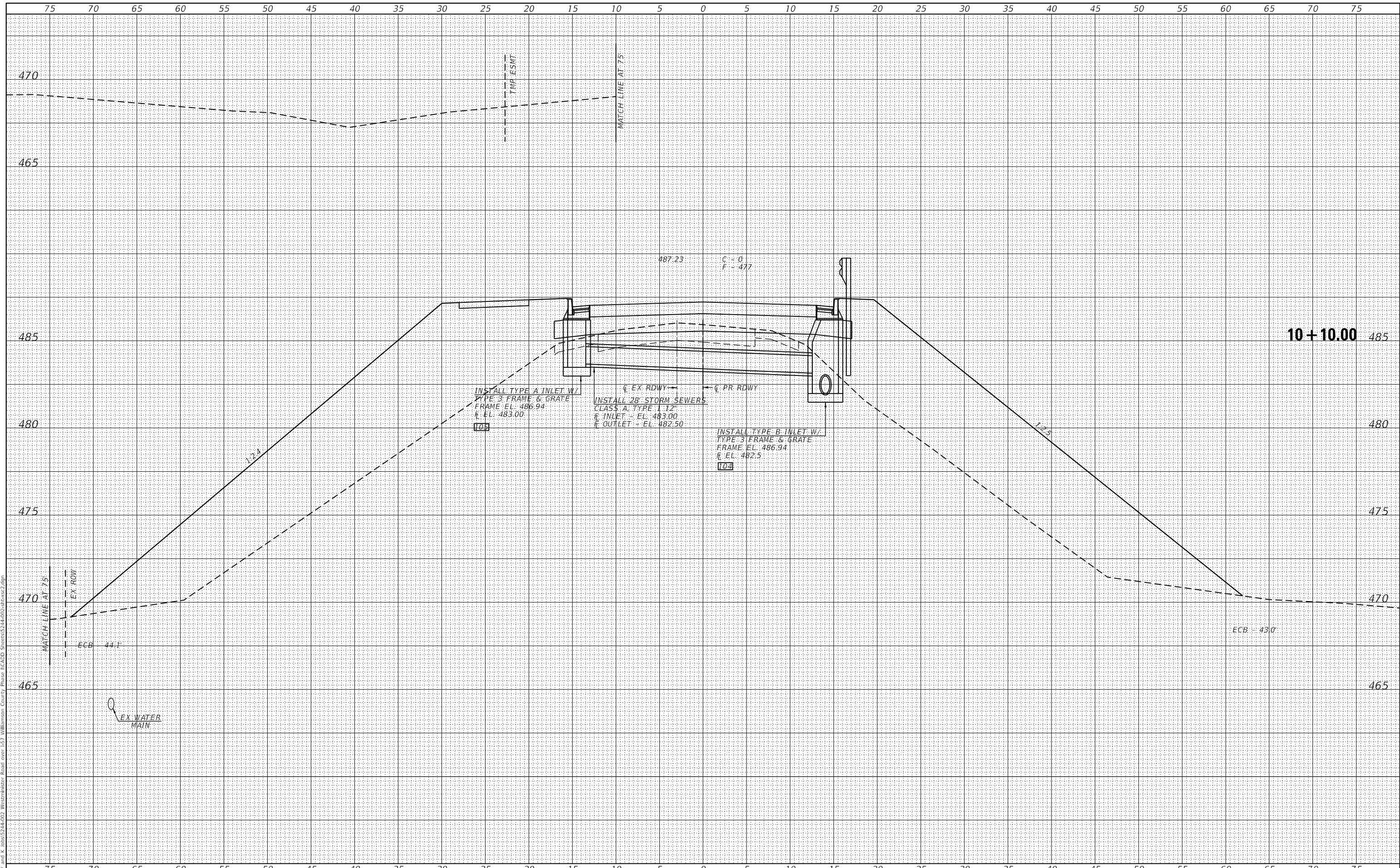
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 12 OF 36 SHEETS STA. 9+75.00 TO STA. 9+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	107
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit
 FILE NAME: Z:\0 V and K Jobs\524-002 Westminister Drive over I-57 Williamson County Phase I\CADD Sheets\524-002-01-10-14.dwg



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckh1rus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,0012 ' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

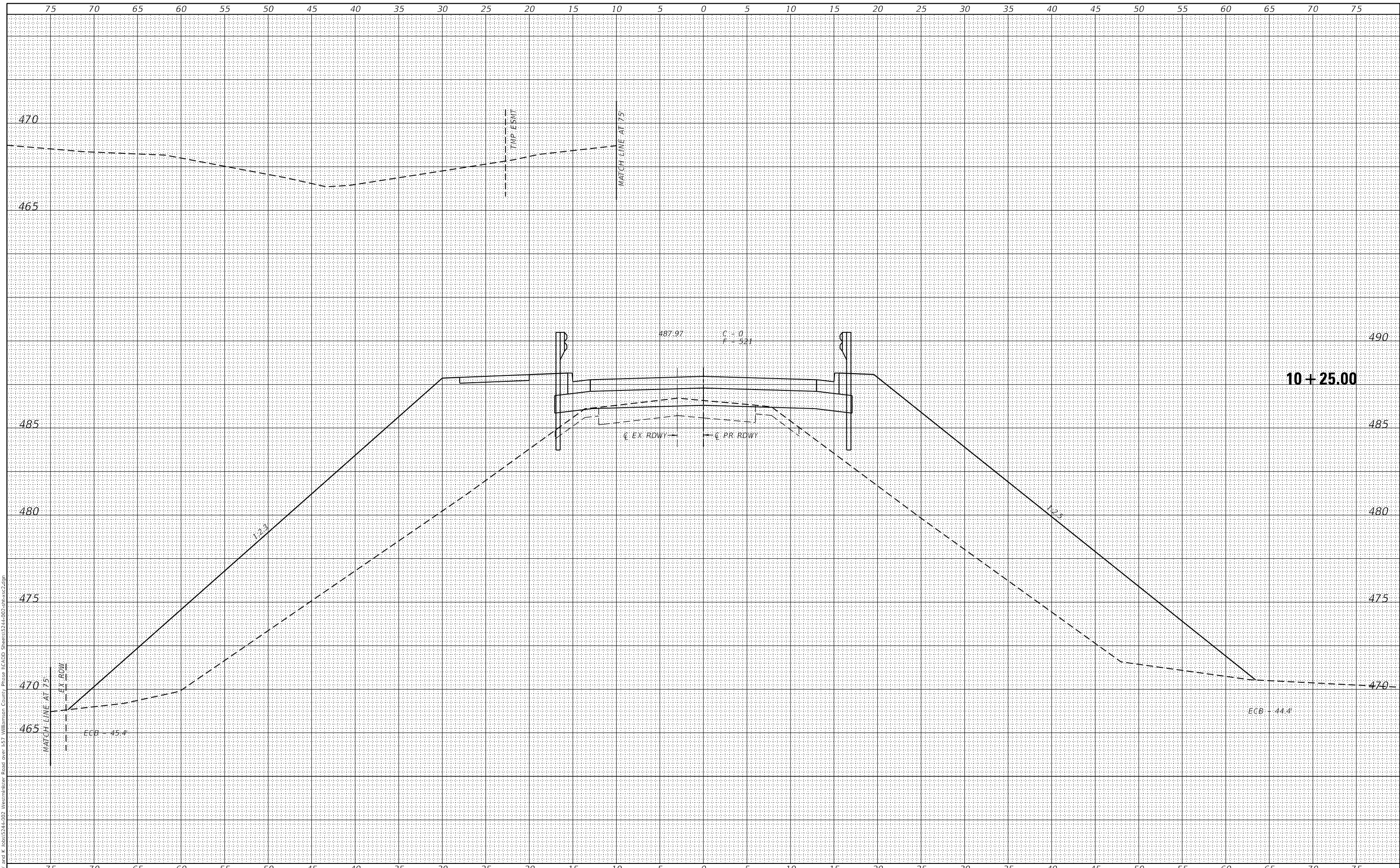
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 14 OF 36 SHEETS STA. 10+10.00 TO STA. 10+10.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	109
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: Z:\0 V and K Jobs\524-02 Westminster Drive Phase I\CADD Sheets\524-02-20-xxs2.dgn
 Phase I\57 Williamson County



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhirus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0071' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

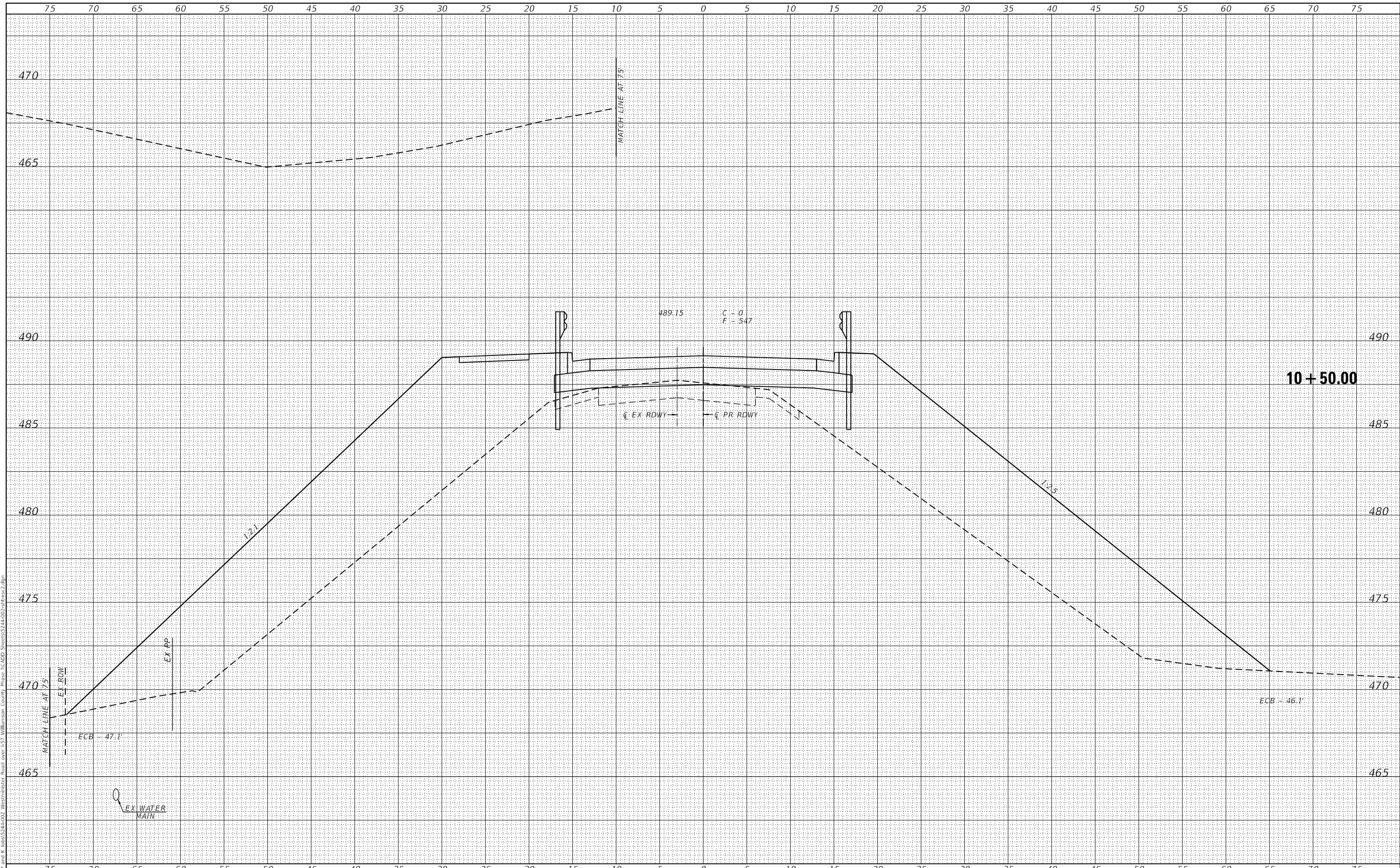
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 15 OF 36 SHEETS STA. 10+25.00 TO STA. 10+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	110
CONTRACT NO. 78619			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: Z:\0 V and K Jobs\524-002 Westminster Road over I-57 Williamson County Phase II.dwg
 SHEET: 524-002-16



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhtrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,0000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

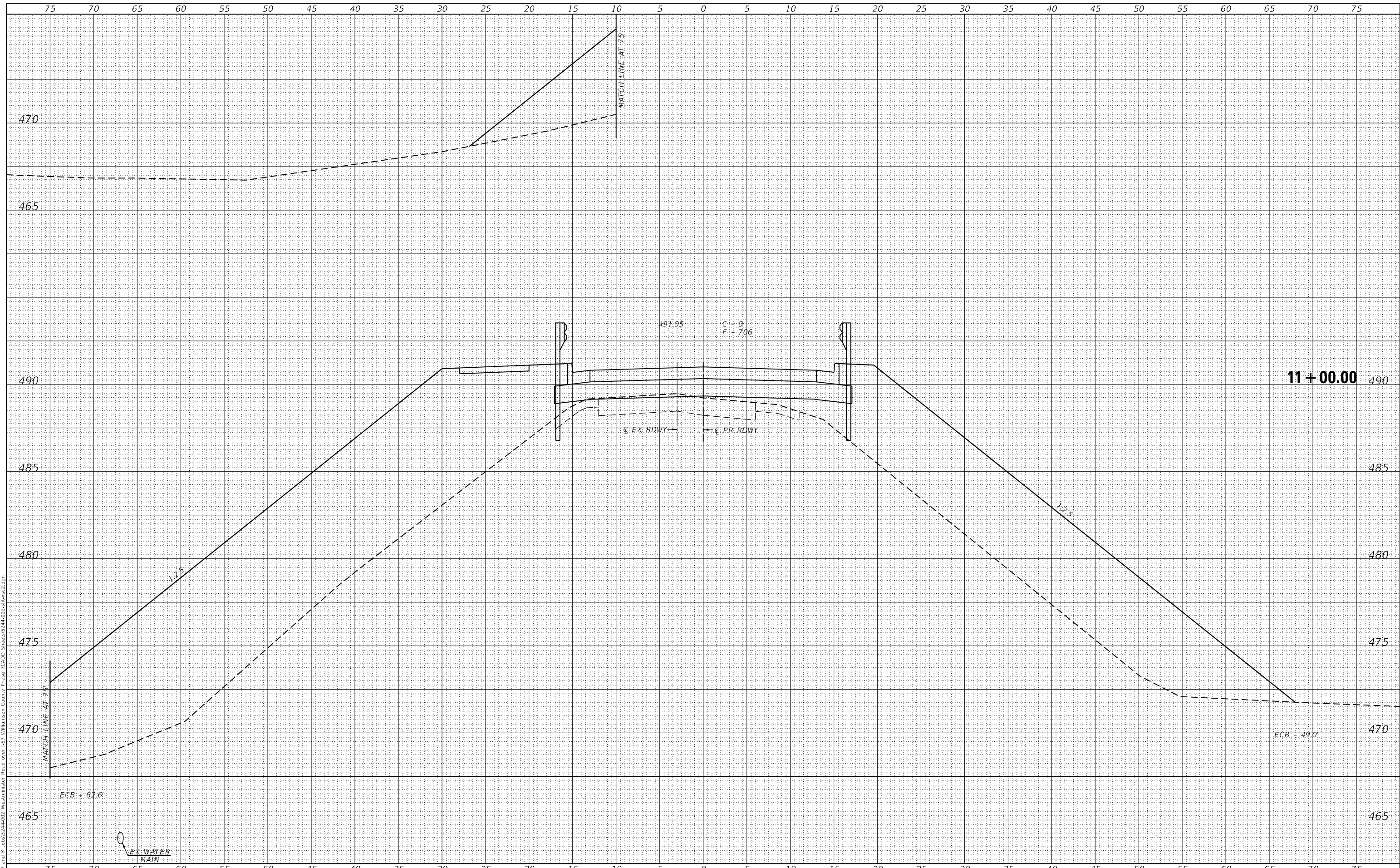
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 16 OF 36 SHEETS STA. 10+50.00 TO STA. 10+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	111
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\proj\11+00\11+00.dwg
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VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohtus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0029' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

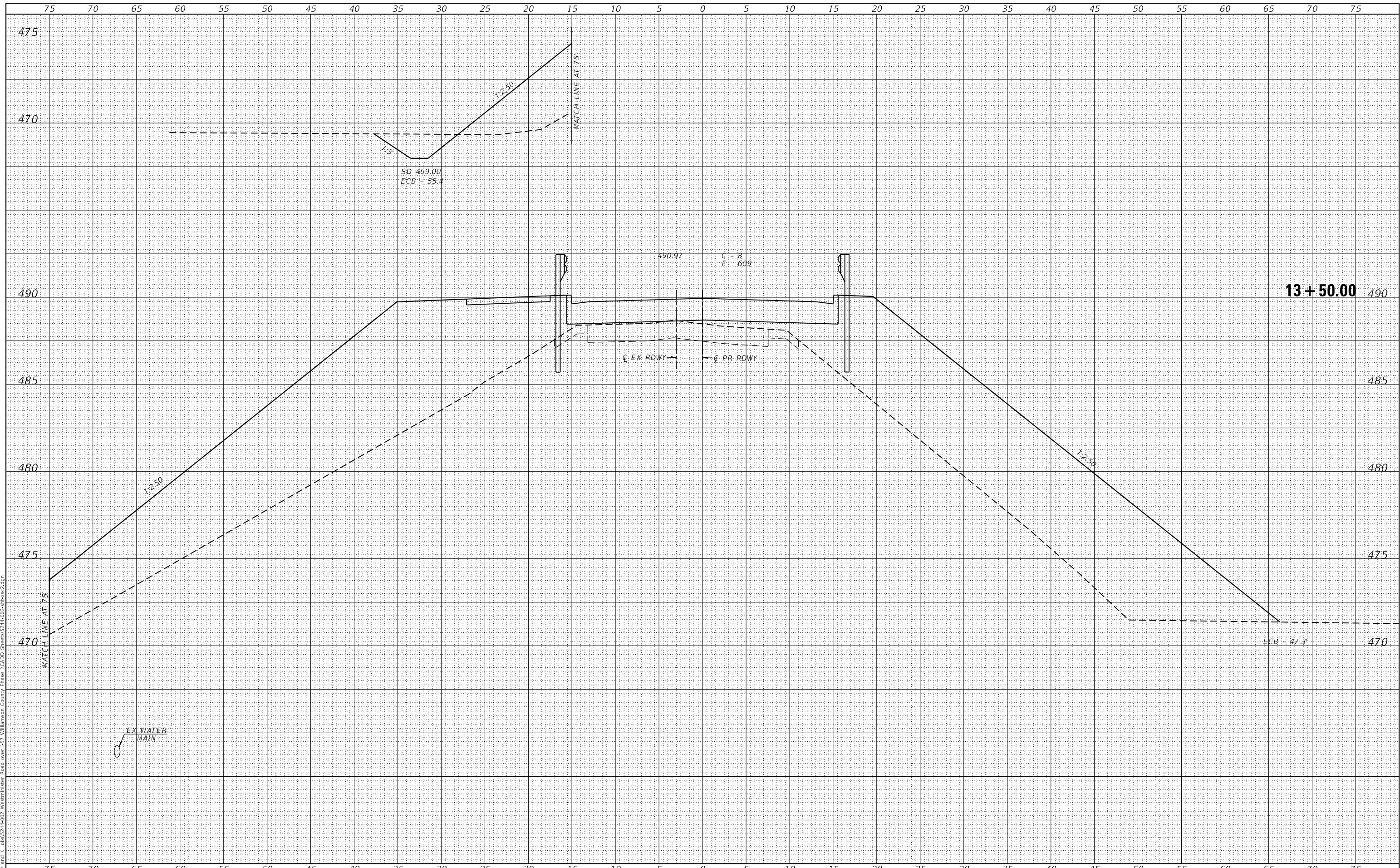
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 18 OF 36 SHEETS STA. 11+00.00 TO STA. 11+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	113
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckonlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0039' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

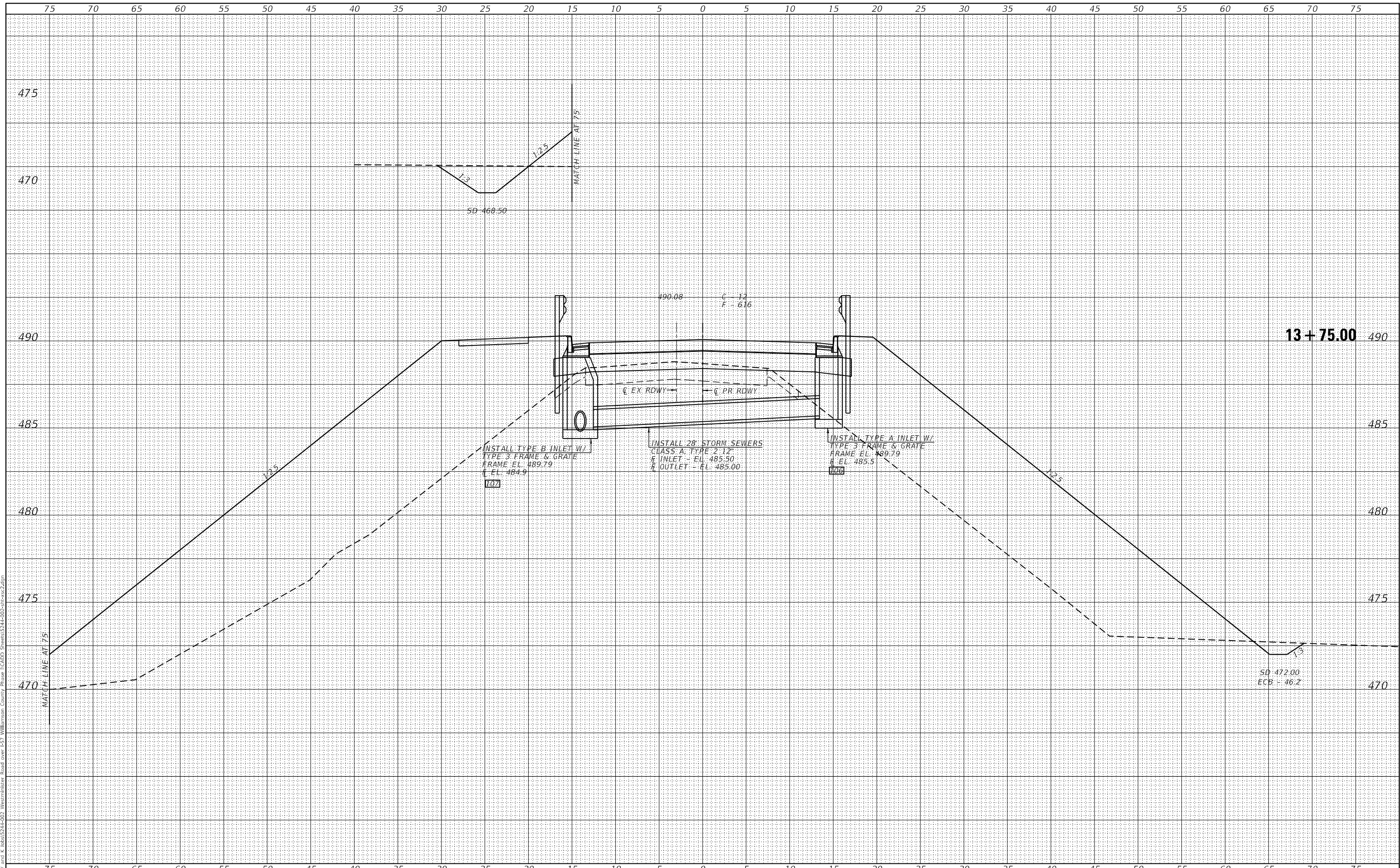
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 21 OF 36 SHEETS STA. 13+50.00 TO STA. 13+75.00

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 116
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: Z:\0_V. and K Jobs\524-002 Westminster Drive over I-57 Williamson County Phase I\CADD Sheets\524-002-11vs2.dwg



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohtus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0039' / 1"	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

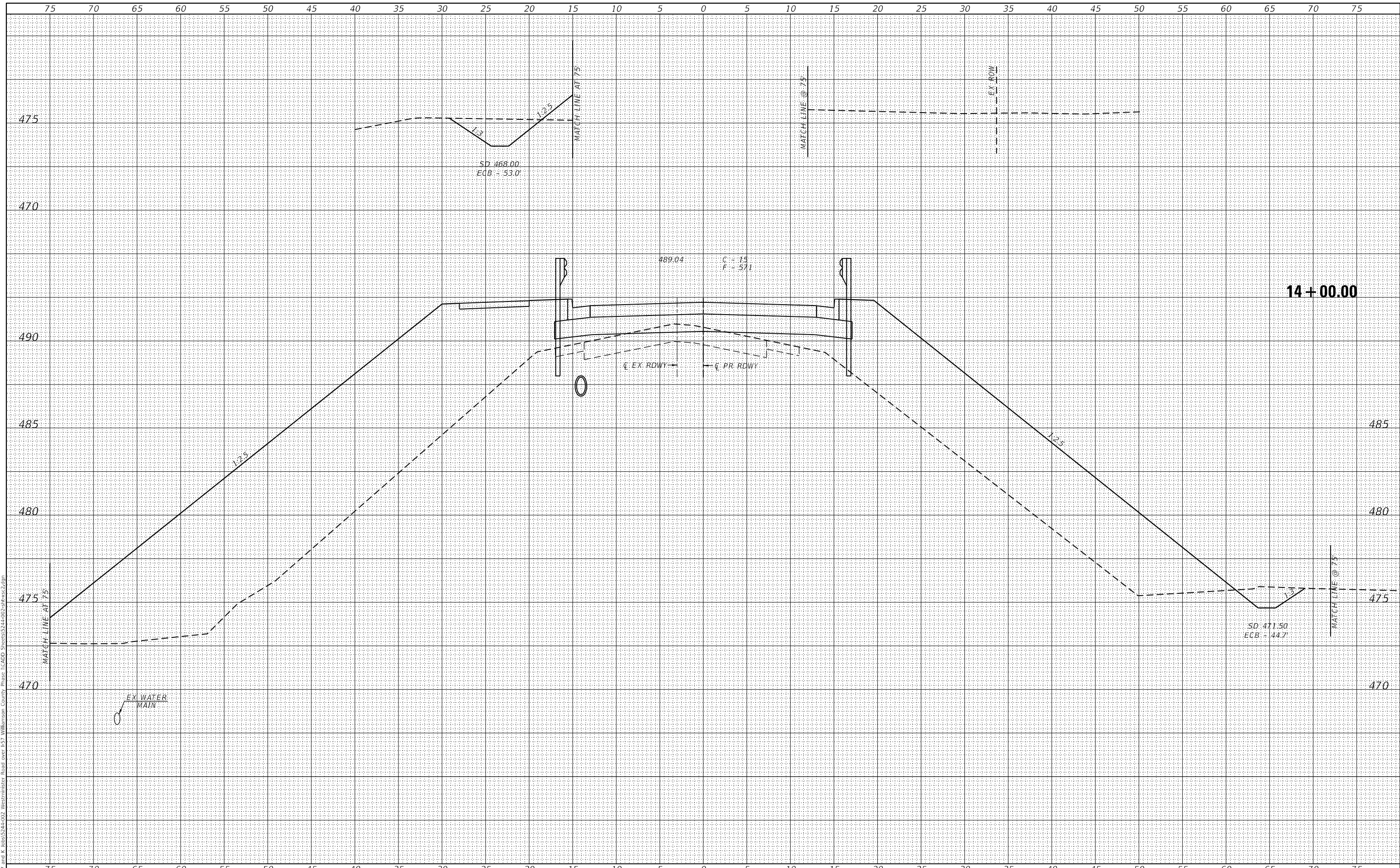
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 22 OF 36 SHEETS STA. 13+50.00 TO STA. 13+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	117
			CONTRACT NO. 78619	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Definit
 FILE NAME: Z:\0_V and K Jobs\524-02 Westminister Drive over I-57 Williamson County Phase I\CADD Sheets\524-02-002-1002.dwg



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = cckrlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10,0005' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 23 OF 36 SHEETS STA. 14+00.00 TO STA. 14+25.00

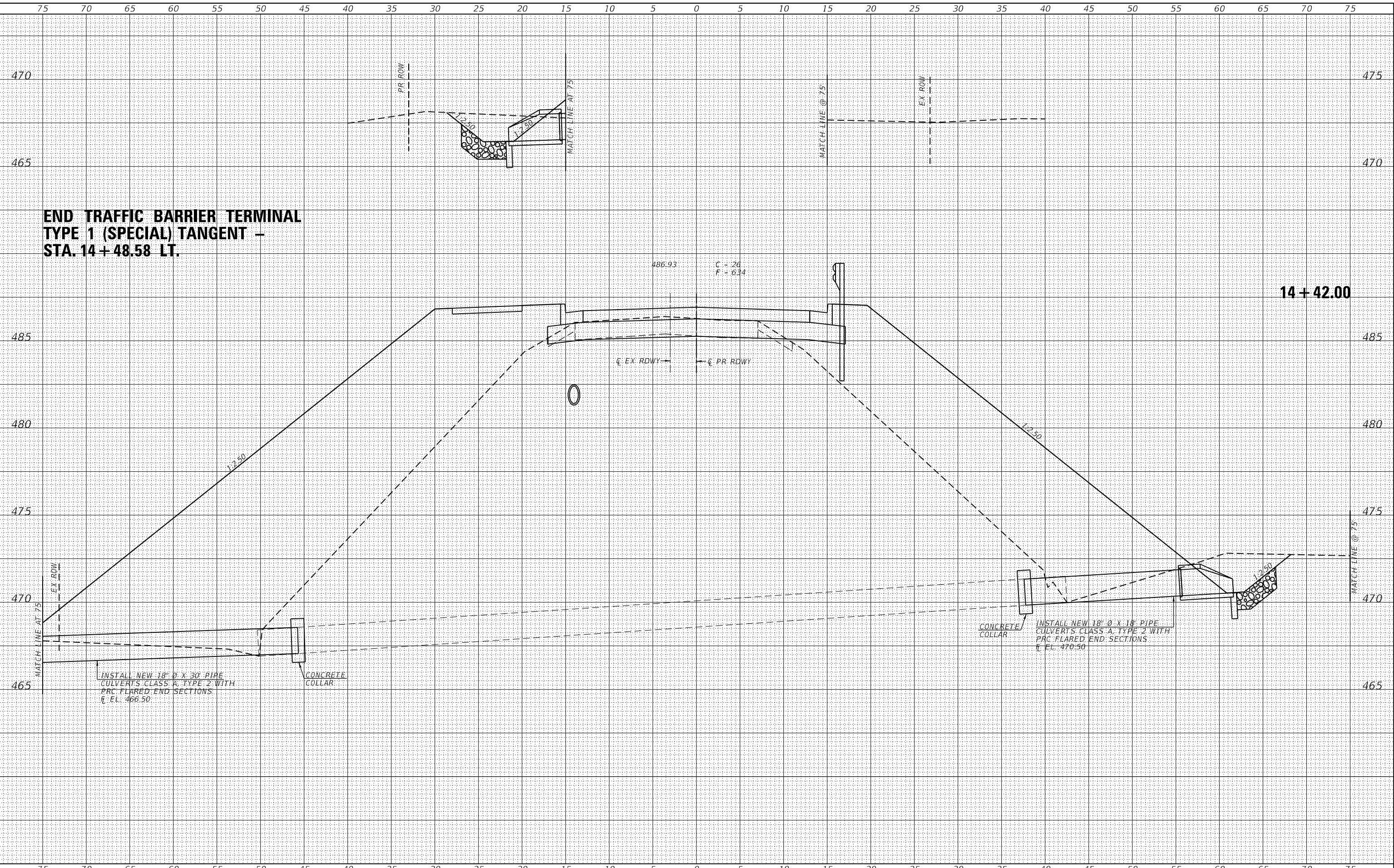
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	118
				CONTRACT NO. 78619

ILLINOIS FED. AID PROJECT

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: D:\dwg\11\11-11-2022\11-11-2022.dwg
 FILE: 11-11-2022.dwg
 USER: kchris
 PROJECT: 11-11-2022
 SHEET: 135
 TOTAL SHEETS: 120



**END TRAFFIC BARRIER TERMINAL
 TYPE 1 (SPECIAL) TANGENT -
 STA. 14+48.58 LT.**

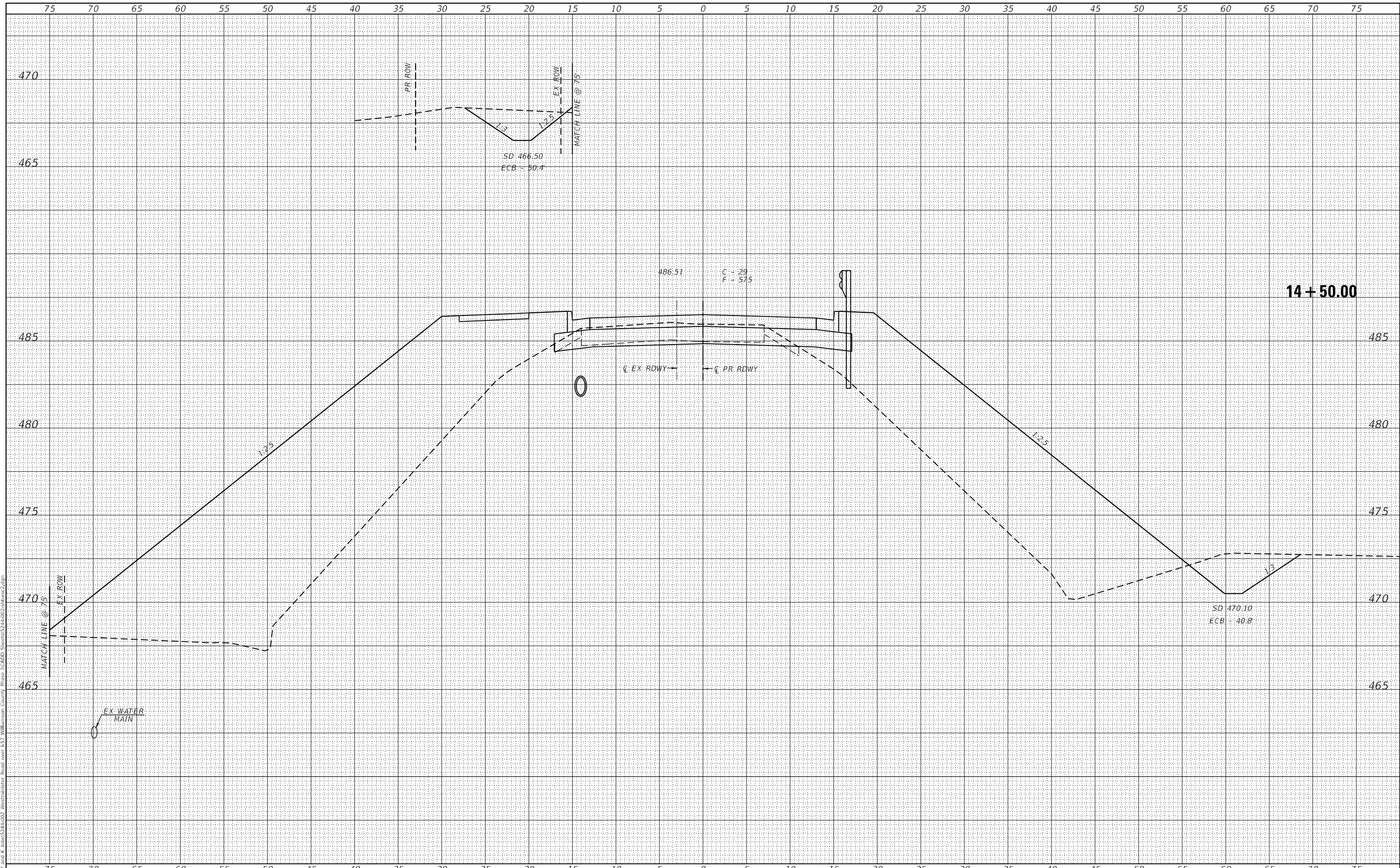
14+42.00

 Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939	USER NAME = kchris DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISIONS 1. _____ 2. _____ 3. _____ 4. _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTMINSTER DRIVE CROSS SECTIONS SCALE: _____ SHEET 25 OF 36 SHEETS STA. 14+42.00 TO STA. 14+42.00	F.A.I. RTE. 57 SECTION (X1-6)HB-4 COUNTY WILLIAMSON TOTAL SHEETS 135 SHEET NO. 120 CONTRACT NO. 78619 ILLINOIS FED. AID PROJECT
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DATE	
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SURVEYED	
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TEMPLATE	
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AREAS CHECKED	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

MODEL: Default
 FILE NAME: Z:\0_Vand K Jobs\1524-002 Westminister Drive over I-57 Williamson County Phase 1\CADD Sheets\1524-002-002-002.dwg



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohtus	DESIGNED - _____	REVISD - _____
PLOT SCALE = 10,0007' / in.	DRAWN - _____	REVISD - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISD - _____
	DATE - _____	REVISD - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

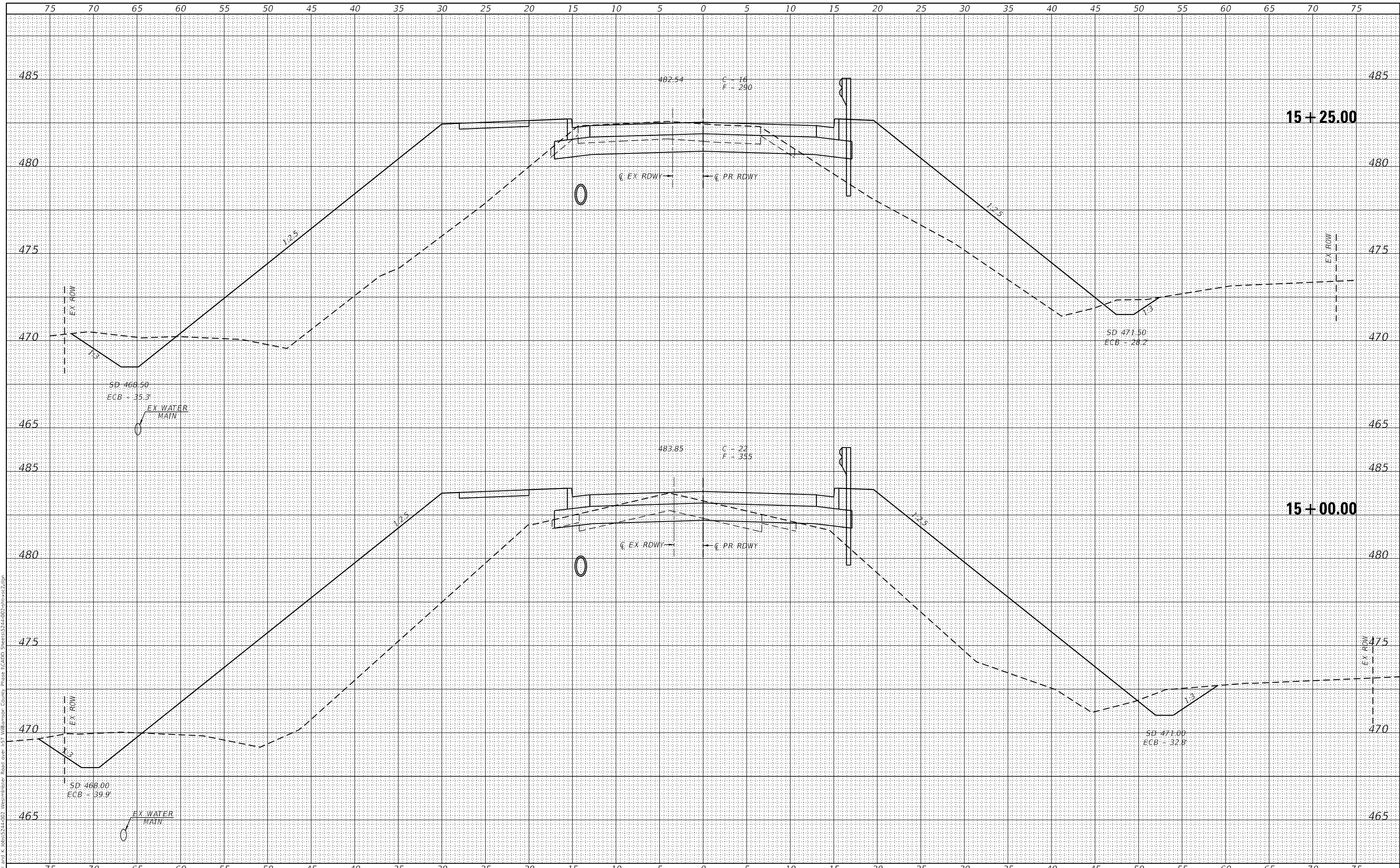
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 26 OF 36 SHEETS STA. 14+50.00 TO STA. 14+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	121
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: Z:\0 V and K Jobs\524-002 Westminster Drive over I-57 Williamson County Phase I\CADD Sheets\524-002-phs22.dgn



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhnlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0032' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

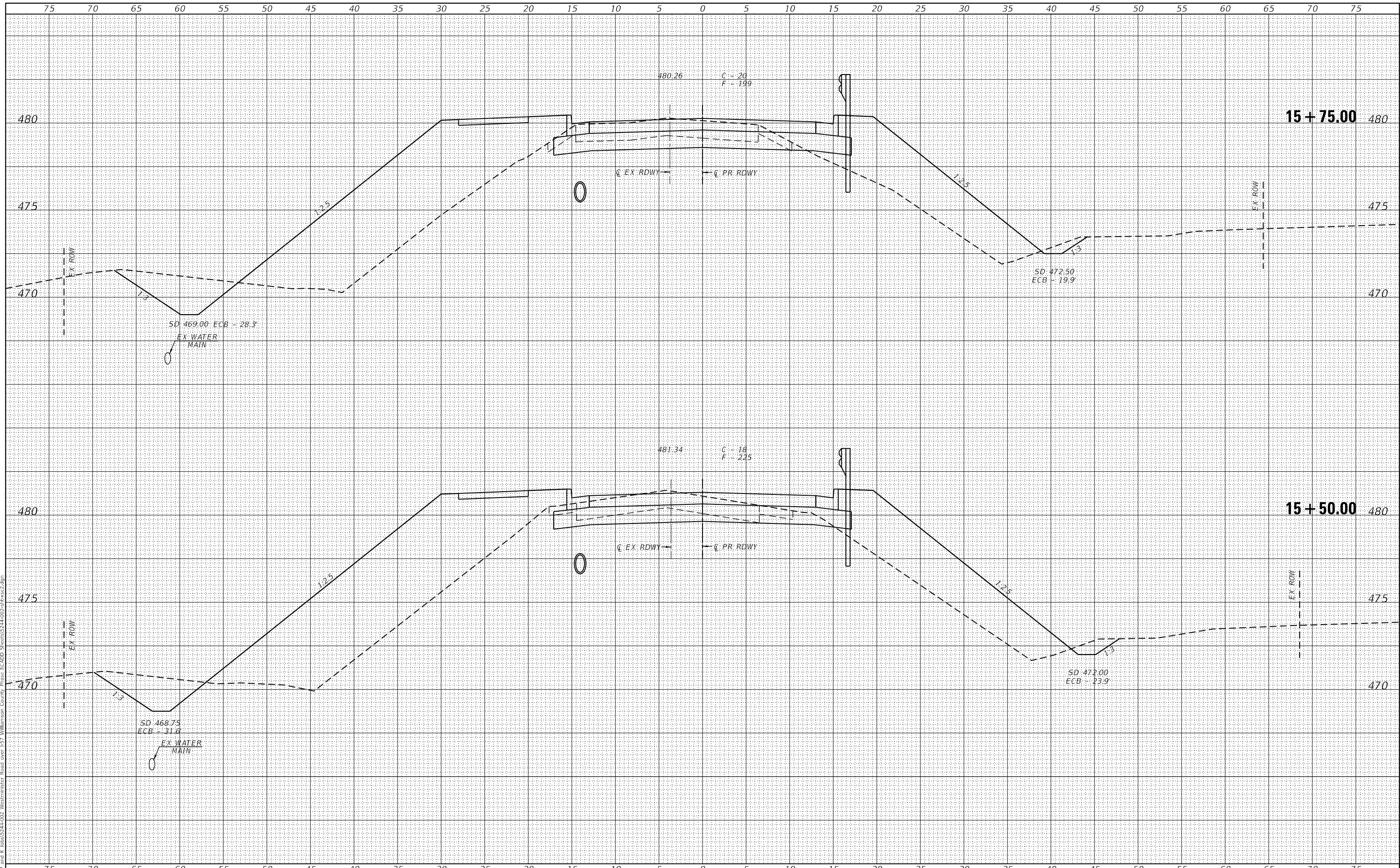
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 28 OF 36 SHEETS STA. 15+00.00 TO STA. 15+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	123
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\proj\11111111.dwg
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 USER: kch
 DATE: 3/14/2022
 PROJECT: WESTMINSTER DRIVE CROSS SECTIONS
 SHEET: 29 OF 36



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = kch	DESIGNED -	REVISED -
PLOT SCALE = 10,000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/14/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

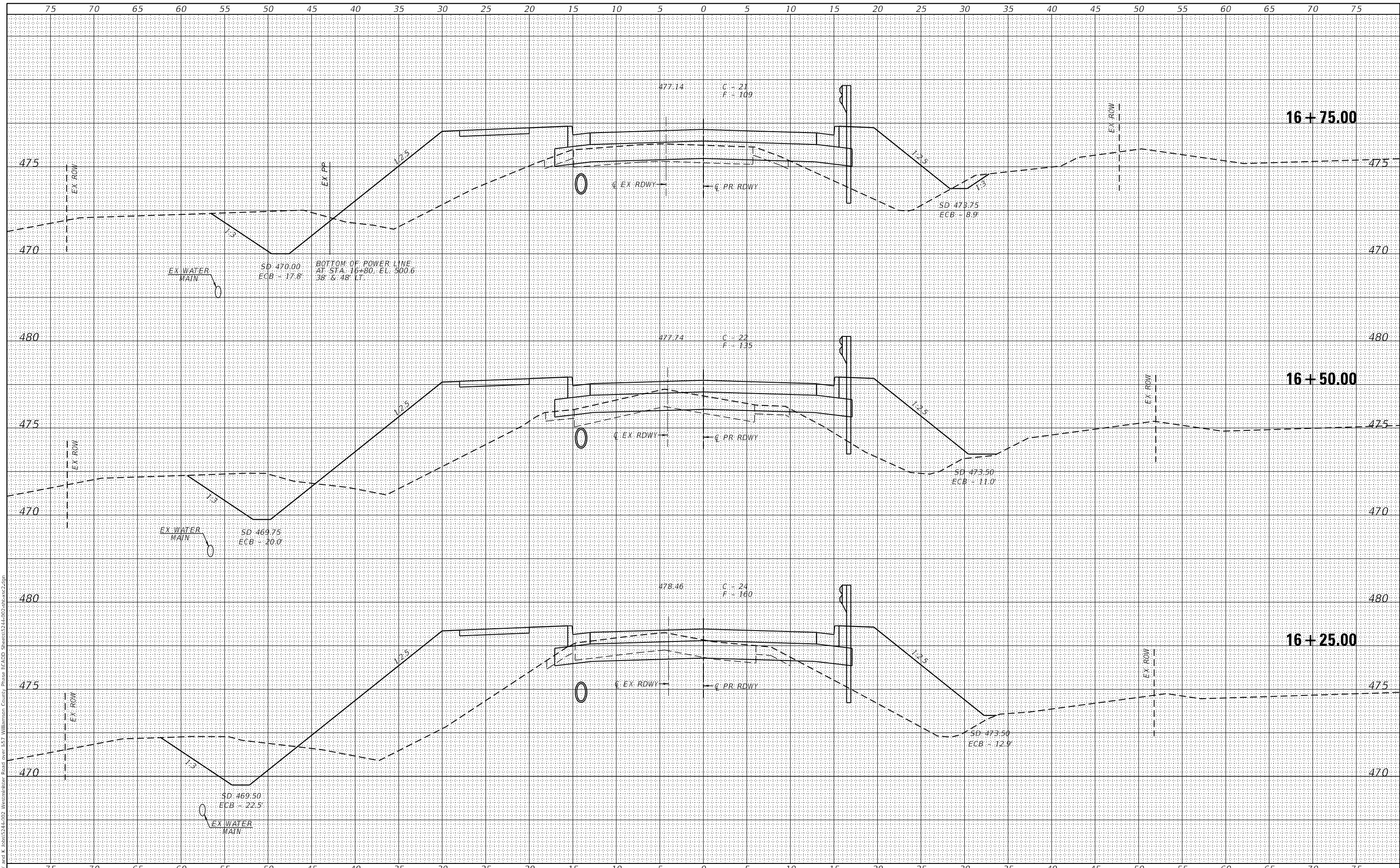
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 29 OF 36 SHEETS STA. 15+50.00 TO STA. 15+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	124
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
 FILE NAME: Z:\0 V and K Jobs\5244-02 Westminister Drive over I-57 Williamson County Phase II\CADD Sheets\5244-02-25-xx-2.dgn



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhtrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0072' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

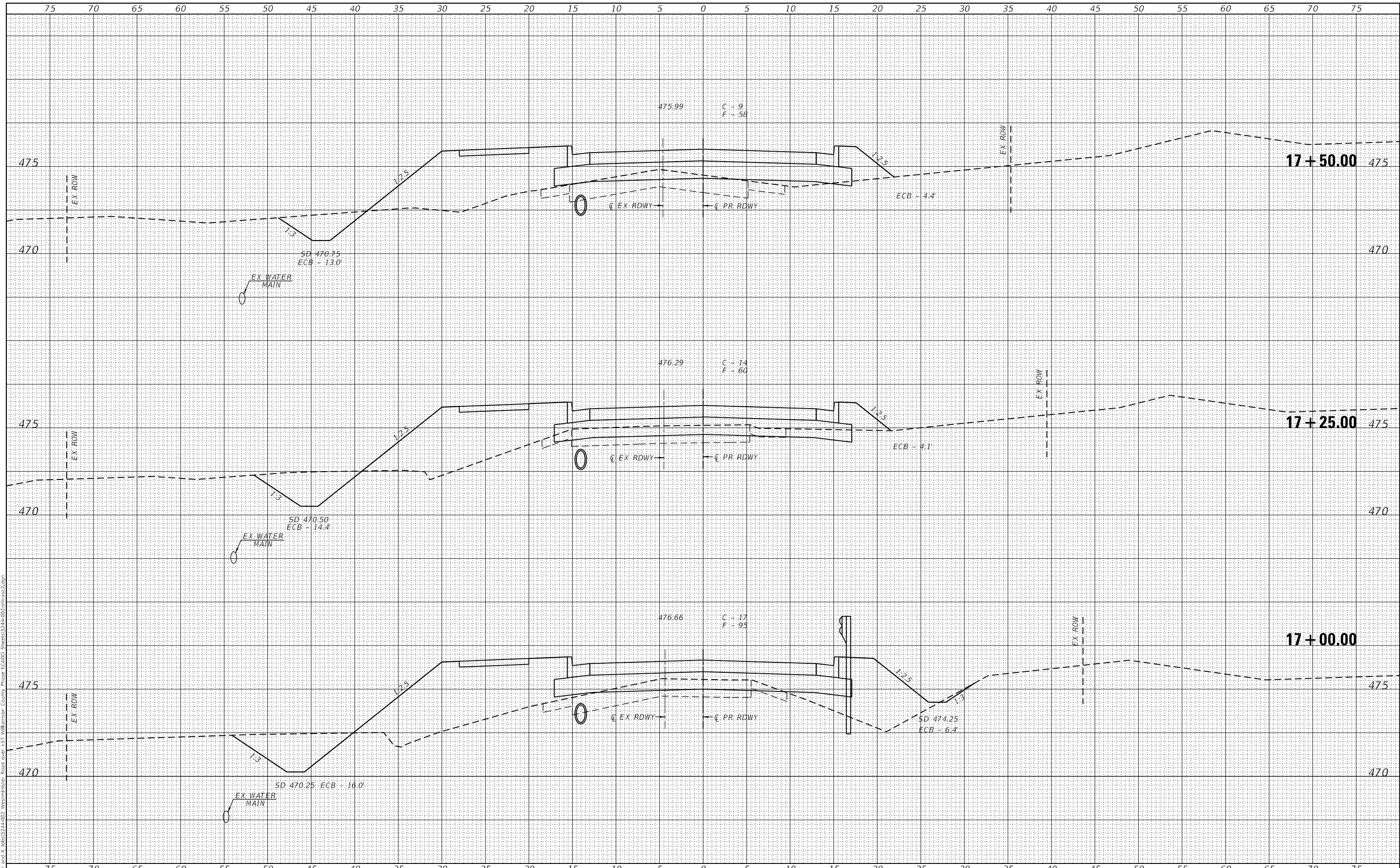
WESTMINSTER DRIVE CROSS SECTIONS			
SCALE: _____	SHEET 31	OF 36 SHEETS	STA. 16+25.00 TO STA. 16+50.00

F.A.I. RTE. 57	SECTION (X1-6)HB-4	COUNTY WILLIAMSON	TOTAL SHEETS 135	SHEET NO. 126
CONTRACT NO. 78619			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Default
 FILE NAME: Z:\0_V and K Jobs\24-002 Westminster Drive over 57 Williamson County Phase I\CADD Sheets\24-002-hbxs2.dgn



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckhtrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0037' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE CROSS SECTIONS

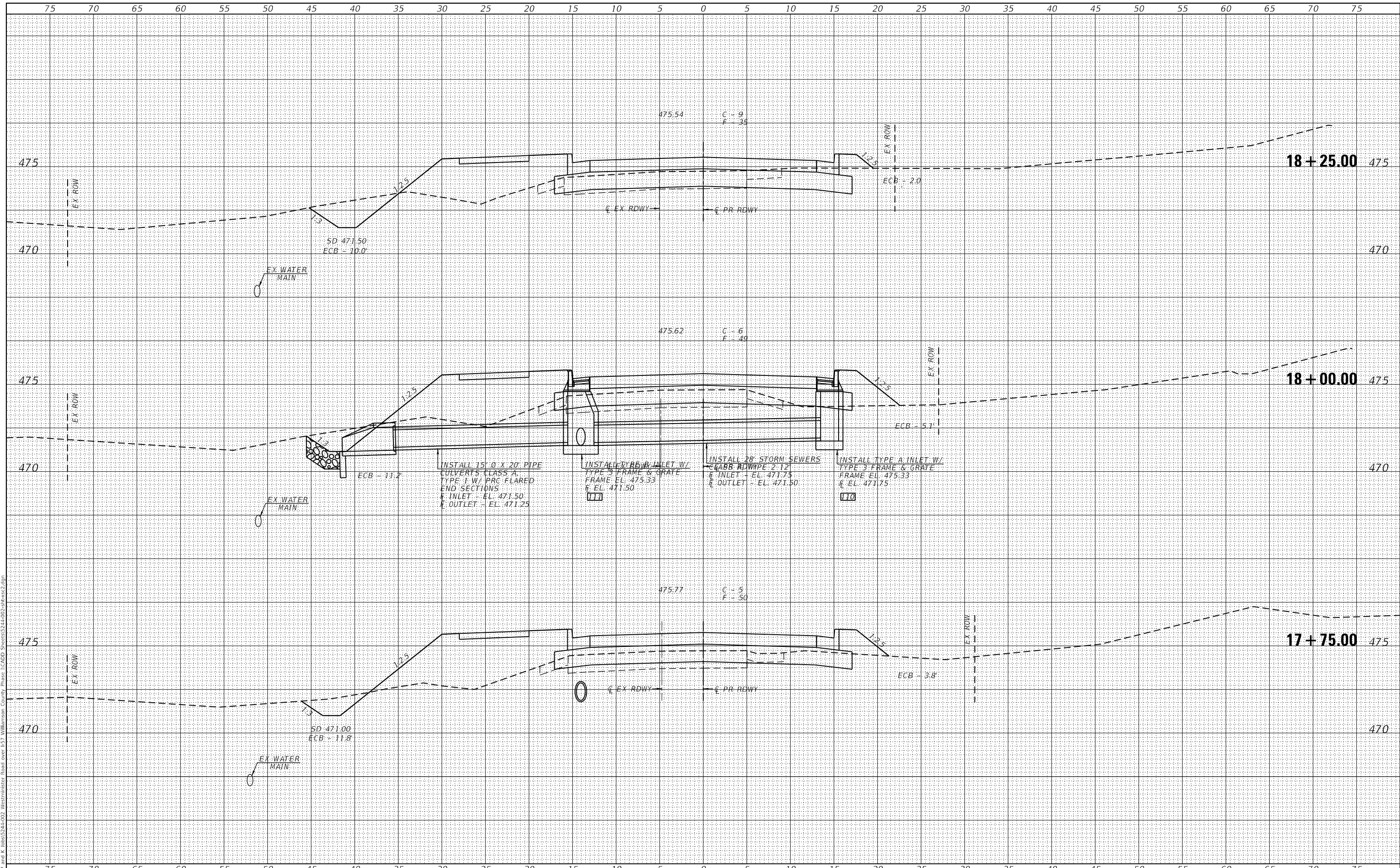
SCALE: _____ SHEET 32 OF 36 SHEETS STA. 16+75.00 TO STA. 17+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	127
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: Definit
 FILE NAME: Z:\0 V and K Jobs\1724-002 Westminister Drive over I-57 Williamson County Phase 1\CADD Sheets\1724-002-01\cvs2.dgn



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = cckhrus	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 10,0002' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/14/2022	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

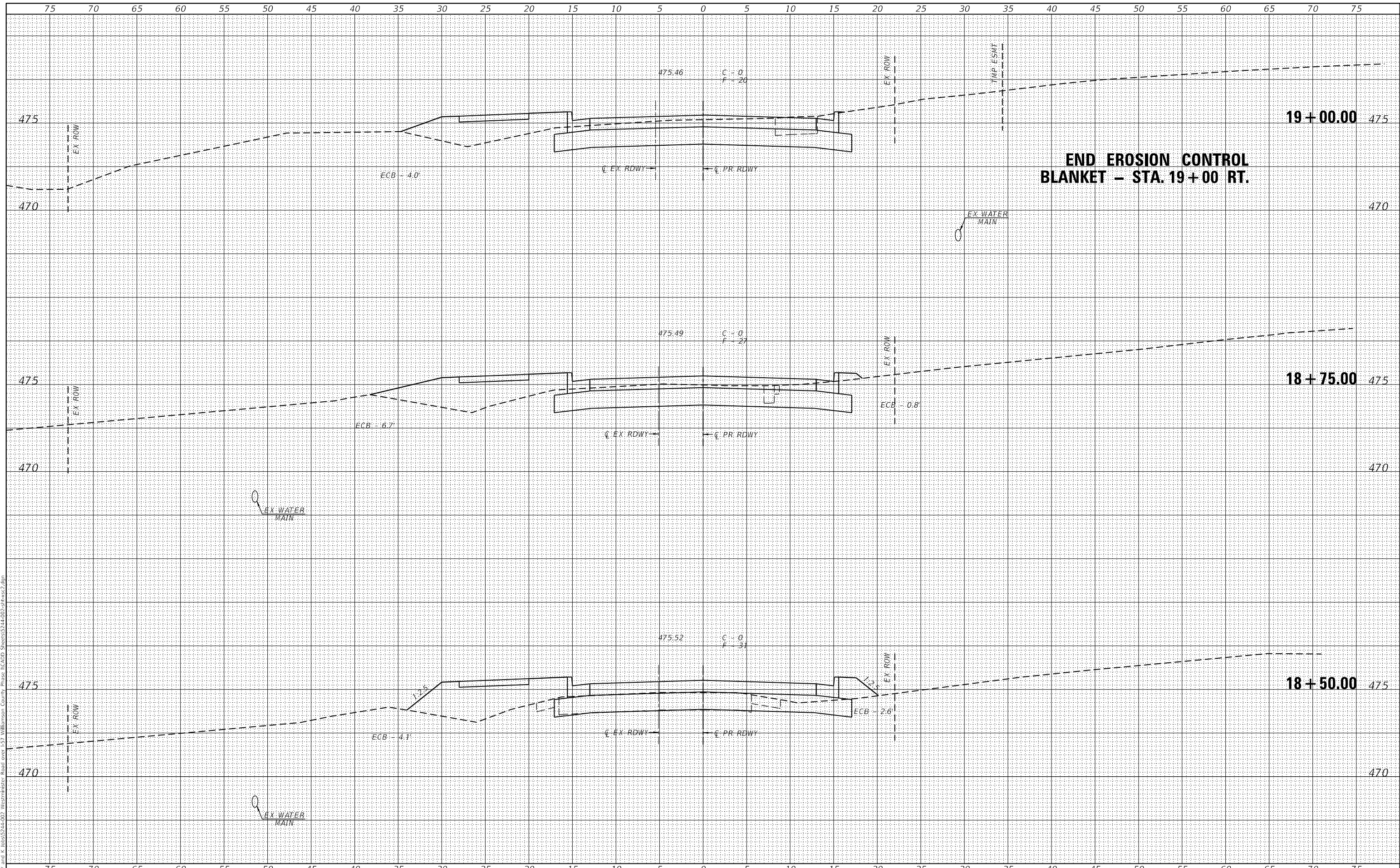
WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 33 OF 36 SHEETS STA. 17+75.00 TO STA. 18+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	128
			CONTRACT NO. 78619	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CORRECTED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CORRECTED	

MODEL: Default
 FILE NUMBER: Z:\0 V and K Jobs\1524-002 Westminster Drive Cross Section\1524-002-01-18+50.dwg
 PROJECT: 1524-002 Westminster Drive Cross Section



VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

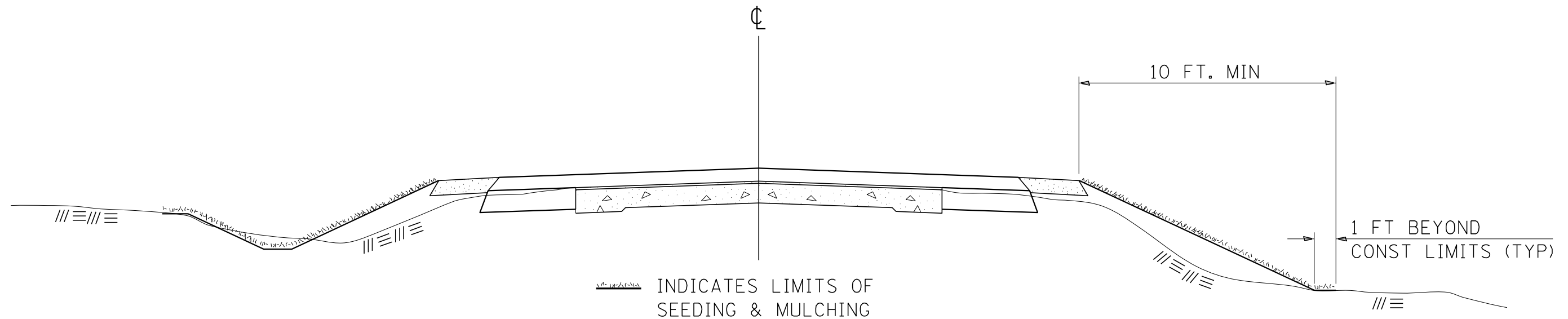
USER NAME = ckhnrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 10.0021' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/14/2022	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WESTMINSTER DRIVE CROSS SECTIONS
 SCALE: _____ SHEET 34 OF 36 SHEETS STA. 18+25.00 TO STA. 18+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	129
				CONTRACT NO. 78619
ILLINOIS FED. AID PROJECT				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

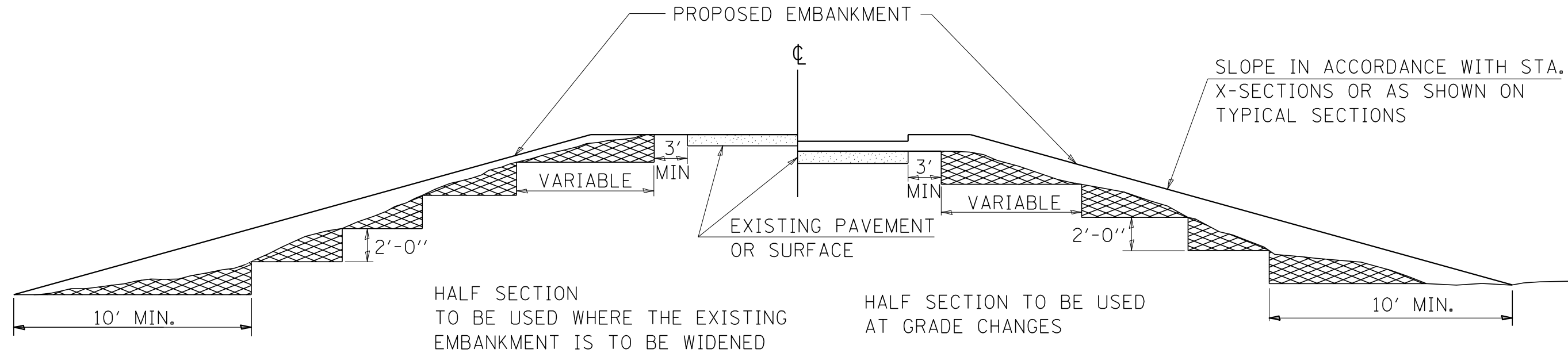
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

USER NAME =	DESIGNED -	REVISD -
CHECKED -	CHECKED -	REVISD -
PLOT SCALE =	DRAWN -	REVISD -
PLOT DATE =	CHECKED -	REVISD -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	132
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONSTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVIEWED	5-17-13
REVISED	4-22-21

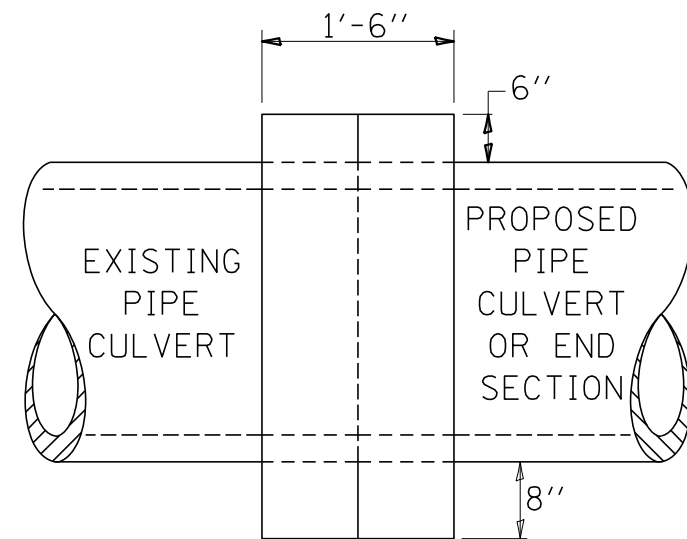
STD. 9-16

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
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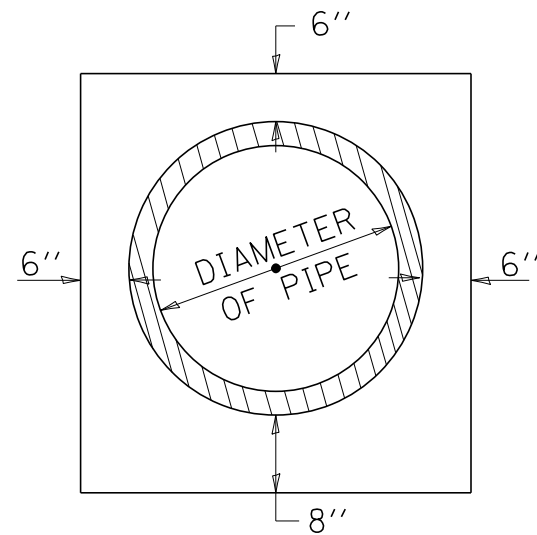
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	133
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				

CONCRETE COLLAR

PIPE TO PIPE



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

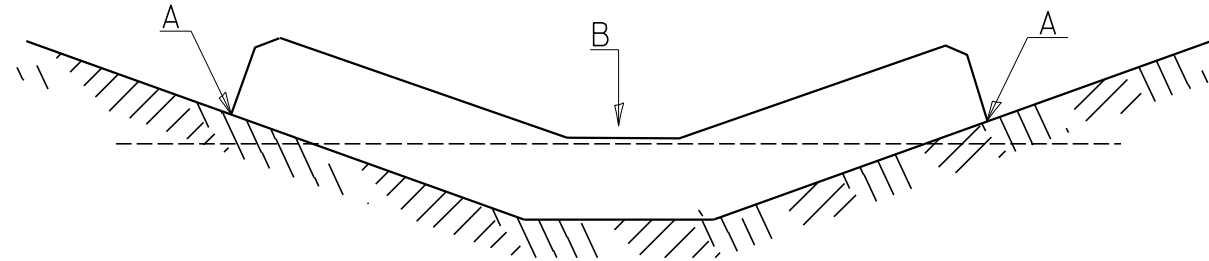
REVISIONS

DRAWN	<u>7-13-90</u>
REVISED	<u>8-22-94</u>
REVISED	<u>3-26-08</u>
REVISED	<u>5-17-13</u>

STD. 9-79

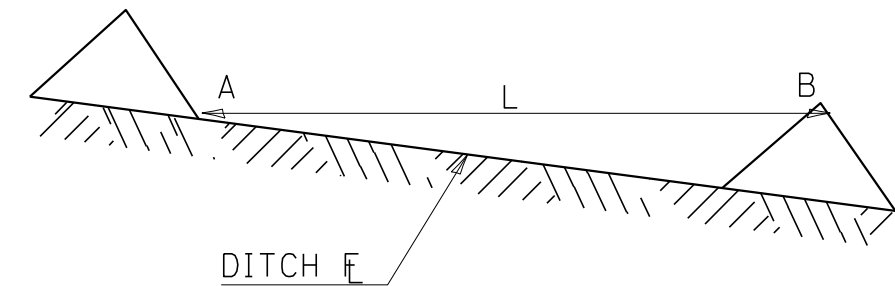
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

REVISIONS

DRAWN	9-01-99
REVISED	10-3-01
RESIZED	5-8-08
REVISED	05-04-10
REVIEWED	5-17-13

STD. 9-108

USER NAME =	DESIGNED -	REVISED -	REVISED -
	CHECKED -		REVISED -
PLOT SCALE =	DRAWN -		REVISED -
PLOT DATE =	CHECKED -		REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6)HB-4	WILLIAMSON	135	135
CONTRACT NO. 78619				
ILLINOIS FED. AID PROJECT				