

FOR INDEX OF SHEETS, SEE SHEET 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	1
		ILLINOIS	CONTRACT NO. 68D17	

HIGHWAY STANDARDS

000001-08	630101-10	701316-13
001001-02	630116	701321-18
001006	630301-09	701326-04
280001-07	666001-01	701901-08
420001-09	667101-02	704001-08
442201-03	701001-02	725001-01
482001-02	701006-05	780001-05
482011-03	701011-04	781001-04
515001-04	701201-05	782006-01
542001-06	701301-04	BLR 22-7
542401-04	701306-04	
630001-12	701311-03	

DISTRICT STANDARDS

205001-D4	540000-D4
280101-D4	606101-D4
281001-D4	630101-D4
406101-D4	667101-D4
406401-D4	780001-D4
440001-D4	

DESIGN DESIGNATION:
MAJOR COLLECTOR

TRAFFIC DATA
FAS 2466 (US 150):
ADT = 3550 (2019)
MU = 5.37% (2019)
SU = 6.27% (2019)

Location #1
PROJECT LIMITS
Sta. 1043 + 44.14
to Sta. 1055 + 00
Exist SN: 102-1005
Prop SN: 102-2503

Location #2
PROJECT LIMITS
Sta. 840 + 00 to
Sta. 851 + 00
Exist SN: 102-1004
Prop SN: 102-2030

**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 2466 (US 150)
SECTION 11-CR
PROJECT STP-HR15(494)
CULVERT REPLACEMENTS
WOODFORD COUNTY

C-94-060-16



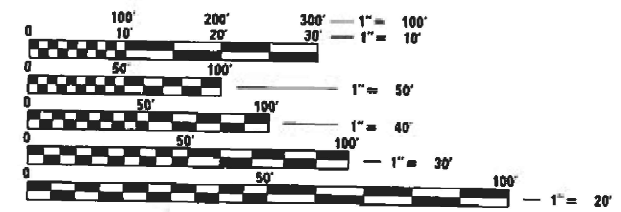
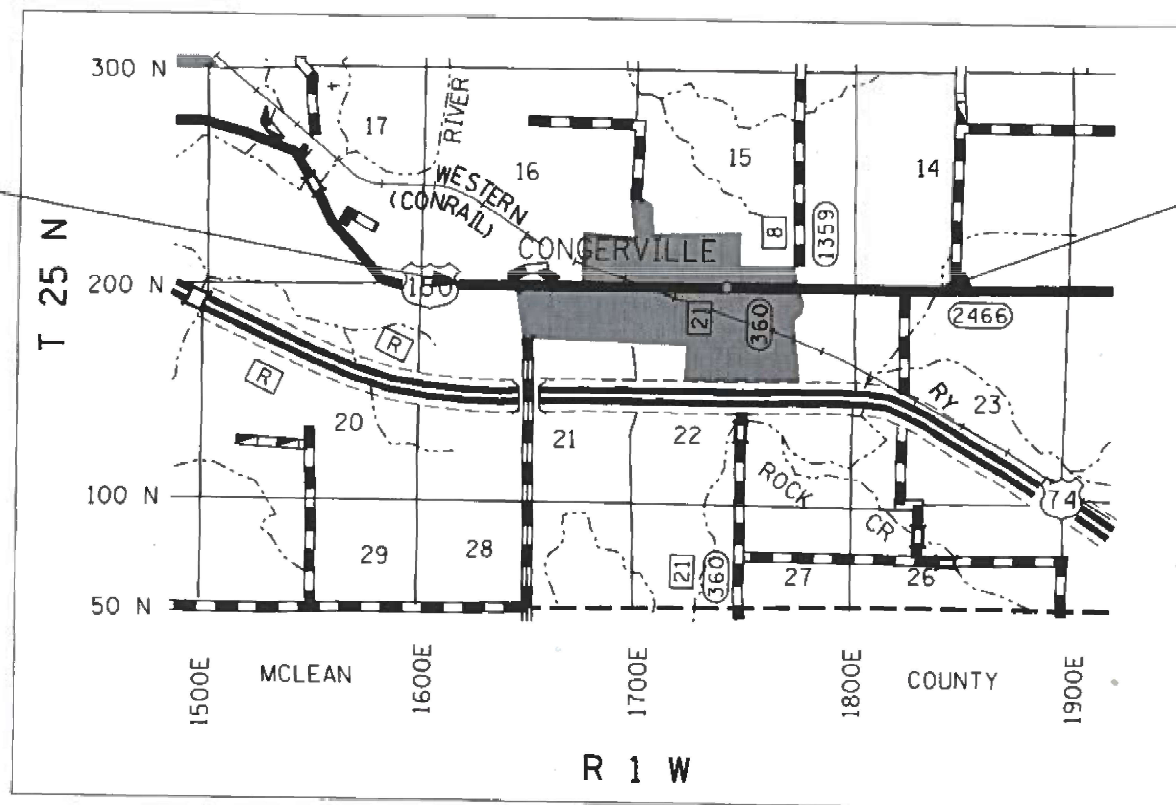
PROJECT DESCRIPTION:
THIS PROJECT IMPROVEMENT CONSISTS OF REPLACEMENT OF A BOX CULVERT ON US 150 0.9 MILES EAST OF THE MACKINAW RIVER (102-1005 TO BE REPLACED BY 102-2503), WEST OF CONGERVILLE AND A BOX CULVERT 0.16 MILES EAST OF CR 1825 E (102-1004 TO BE REPLACED BY 102-2030), EAST OF CONGERVILLE. THE PROFILE WILL BE ADJUSTED ON THE CULVERT EAST OF CONGERVILLE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 25 2021
Kenal A Darnett RSD
REGION ENGINEER

August 13, 2021
Joe E. Clark
ENGINEER OF DESIGN AND ENVIRONMENT

August 13, 2021
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



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

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

PROJECT ENGINEER: NICOLE FAYANT (309) 671-3453
PROJECT MANAGER: ELIAS ELDERZI (309) 671-3482

CATALOG NO. 035401-00D
CONTRACT NO. 68D17

GROSS LENGTH = 2255.9 FT. = 0.427 MILE
NET LENGTH = 2255.9 FT. = 0.427 MILE

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

1 COVER SHEET
 2-4 INDEX OF SHEETS, COMMITMENTS, & GENERAL NOTES
 5 STATUS OF UTILITIES
 6-12 SUMMARY OF QUANTITIES
 13-20 TYPICAL SECTIONS
 21-24 SCHEDULE OF QUANTITIES
 25 LINE DIAGRAM
 26-27 ALIGNMENTS, TIES AND BENCHMARKS
 28-29 REMOVAL PLAN SHEETS
 30-32 PLAN AND PROFILE SHEETS
 33-34 EROSION CONTROL PLAN SHEETS
 35 ROW SHEET
 36 DETOUR RUNAROUND LOCATION 1
 37 STAGE CONSTRUCTION SEQUENCE
 38-39 STAGE CONSTRUCTION TYPICAL SECTIONS
 40-48 STAGE CONSTRUCTION PLANS
 49 EXISTING CULVERT PLAN LOCATION 2
 50-58 CULVERT DETAILS (S.N. 102-2503)
 59-66 CULVERT DETAILS (S.N. 102-2030)
 67-83 DISTRICT STANDARDS
 84-98 CROSS SECTIONS LOCATION 1
 99-105 CROSS SECTIONS LOCATION 2
 106-109 CROSS SECTIONS COUNTY ROAD 1850 E

COMMITMENTS

Any field tile that is damaged as a result of the Temporary Construction Easement area for the above mentioned project will be repaired for the owner in as good as or better condition. Questions shall be directed to Amanda Whitted (309) 671-3223. Repairing the field tile will be paid for as 109.04 of the Standard Specifications.

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor after contract award. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

PLAN ELEVATIONS – U.S.G.S. MEAN SEA LEVEL DATUM

Use one of the following two options.

1. All elevations shown on the plans are established from U.S.G.S. mean sea level datum.
2. All elevations shown refer to U.S.G.S. datum at mean sea level unless otherwise noted.

CLEARING

At locations where clearing is indicated on the plans beyond the limits of the proposed excavation or embankment, the Contractor shall restore the disturbed earth by blading and shaping to blend with the adjacent ground. The clearing will not be paid for separately but shall be included in the cost of the excavation pay items in the plans. Payment for reseeding or resodding will be as provided in the plans.

BITUMINOUS MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer HMA Surface Course 1.5"	Polymer HMA Binder Course 1"	Polymer HMA Base Course	HMA Shoulders (Surface Lift)	HMA Shoulders (Lower Lifts)
AC/PG:	SBS 64-28	SBS 76-22	SBS 64-28	PG 58-28	PG 58-28
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 4.75	IL 19.0	IL 9.5FG	IL 19.0
Friction Aggregate:	Mix D	N.A.	N.A.	Mix C	N.A.
Quality Management Program:	QCQA	QCQA	QCQA	QCQA	QCQA

- Note:
- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.
 - 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
 - 3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

COMMITMENTS & GENERAL NOTES

SCALE: SHEET \$S OF \$OS SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	2
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form – D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb /sq ft
Existing Pavement	0.08 lb /sq ft
Fog Coat (between lifts)	0.08 lb /sq ft

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20 mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- 2, 3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- Multi-Lane Divided Roadways – outside edge of pavement in both directions
- Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format “XXX (XX + X00)”, where X represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMITMENTS & GENERAL NOTES

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	3
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PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

RIGHT-OF-WAY MARKERS

When installing right-of-way markers, care shall be taken to not disturb any existing property/right-of-way pins. If a property/right-of-way pin is found at the location of a proposed right-of-way marker, the marker shall be placed one (1) foot in front of the pin.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

The Department reserves the right at any time to add additional Traffic Control Systems or devices within the active contract limits, by means of an additional contract. All terms of Article 105.08 of the Standard Specifications shall be followed by each Contractor.

SETTING OF SECTION CORNER MONUMENTATION

All section corner locations on this project shall be located and verified by a licensed Land Surveyor prior to any removal work being performed. The Land Surveyor shall locate the existing section corners through courthouse research, personal knowledge or through the assistance of local firms performing Land Surveying in the area. If the section corner does not exist through either its physical location or through ties in the field it shall not be reset, there shall be no calculating of section corners onto a project required.

Once the paving and striping operations have been performed the section corner shall be reset at the direction of a licensed Land Surveyor. If any dimensions have been changed it shall be the responsibility of the Surveyor to file a new monument record in the appropriate courthouse.

A copy of all drawings or monument records produced from this project shall be sent to the Chief of Surveys, Illinois Department of Transportation, Region Three/District Four, Peoria, Illinois.

The supplying, drilling, setting of disks, professional services, labor and any other additional work required to perform this work shall be paid for under pay item for Permanent Survey Markers, Type I.

Refer to District Four CADD Standard 667101 for details.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

CHANGEABLE MESSAGE BOARDS

Two changeable message boards shall be installed for both culvert locations 7 calendar days prior to the start of the job to advance warn the motoring public. In addition, changeable message boards shall be placed for the duration of the project for Location 1.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

JOB SPECIFIC NOTES

The precast box and precast end sections at Location 1 (SN 102-2503) shall have reinforcement that is epoxy coated. Shop drawings shall be provided to the Resident Engineer prior to construction of the box.

To avoid adverse impacts to the Indiana Bat, there shall be no tree removal from April 1, 2022 through September 30, 2022.

COMPLETION DATE, LOCATION 1

The Contractor shall schedule their operations so as to complete all work and open the roadway to traffic on or before 6 weeks duration for the removal and replacement of the culvert.

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**STATE OF ILLINOIS
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COMMITMENTS & GENERAL NOTES

SCALE: SHEET \$S OF \$OS SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	4
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

AMEREN (ELECTRIC)

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 150	Rt 25'	1052+33	Power pole	Ditch slope	Relocate

MEDIACOM

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 150	Lt 37'	1052+00 to 1054+00	Fiber	Slope grading	Relocate

FRONTIER

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 150	Lt 34'	1052+00 to 1054+00	Fiber	Slope grading	Relocate

NICOR

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 150	Rt 45'	1049+25 to 1051+75	4" gas line	Ditch Benching	Caution

WINDSTREAM

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 150	Rt 25'	1049+75 to 1052+50	Fiber	Ditch benching	Relocate
US 150	Rt 25'	1053+25 to 1054+25	Fiber	Ditch grading	Caution

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES

SCALE: SHEET 55 OF 505 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	5
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				LOCATION 1	LOCATION 2
				WOODFORD 0004	WOODFORD 0004
				80% FED/20% STATE	80% FED/20% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	326	326	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	179	179	
20200100	EARTH EXCAVATION	CU YD	2884	2294	590
20300100	CHANNEL EXCAVATION	CU YD	68	68	
20400800	FURNISHED EXCAVATION	CU YD	778	115	663
20700220	POROUS GRANULAR EMBANKMENT	CU YD	652	330	322
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	156		156
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	10912	6922	3990
25000210	SEEDING, CLASS 2A	ACRE	2.25	1.4	0.85
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	203	128.7	74.3
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	203	128.7	74.3
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	203	128.7	74.3
25000750	MOWING	ACRE	4.4	2.8	1.6
25100115	MULCH, METHOD 2	ACRE	2.25	1.4	0.85
25100630	EROSION CONTROL BLANKET	SQ YD	4835	4835	

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**STATE OF ILLINOIS
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SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	6
CONTRACT NO. 68D17			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				LOCATION 1	LOCATION 2
				WOODFORD 0004	WOODFORD 0004
				80% FED/20% STATE	80% FED/20% STATE
25200200	SUPPLEMENTAL WATERING	UNIT	32.8	20.8	12
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	451	286	165
28000305	TEMPORARY DITCH CHECKS	FOOT	322	252	70
28000315	AGGREGATE DITCH CHECKS	TON	60	21	39
28000400	PERIMETER EROSION BARRIER	FOOT	3325	2200	1125
28000500	INLET AND PIPE PROTECTION	EACH	3	1	2
28100109	STONE RIPRAP, CLASS A5	SQ YD	467	163	304
28200200	FILTER FABRIC	SQ YD	467	163	304
30300106	AGGREGATE SUBGRADE IMPROVEMENT 6"	SQ YD	2446	1438	1008
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	512	183.5	328.5
35501320	HOT - MIX ASPHALT BASE COURSE, 9"	SQ YD	189.3		189.3
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	15855	6161	9694
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	332	98	234
40600990	TEMPORARY RAMP	SQ YD	38		38

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**STATE OF ILLINOIS
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SUMMARY OF QUANTITIES

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2466	11-CR	WOODFORD	109	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

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				WOODFORD 0004	WOODFORD 0004
				80% FED/20% STATE	80% FED/20% STATE
52200010	TEMPORARY SHEET PILING	SQ FT	633		633
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	154.6	8.1	146.5
54010604	PRECAST CONCRETE BOX CULVERT 6' X 4'	FOOT	178	178	
54262718	METAL FLARED END SECTIONS 18"	EACH	2		2
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	45		45
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	157		157
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	13.4	13.4	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1350	600	750
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50		50
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	4	4
63200310	GUARDRAIL REMOVAL	FOOT	1000		1000
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	10	10	
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	5	2	3

*= SPECIALTY ITEM

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ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

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				80% FED/20% STATE	80% FED/20% STATE
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	2	8
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	10	40
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70106700	TEMPORARY RUMBLE STRIP	EACH	6		6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120	106	14
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1038	532	506
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	346	177	169
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7313		7313
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	33		33

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				LOCATION 1	LOCATION 2
				WOODFORD 0004	WOODFORD 0004
				80% FED/20% STATE	80% FED/20% STATE
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1088		1088
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	763		763
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4		4
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2		2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	4	4
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	8773	4623	4150
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	31	16	15
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	18	8	10
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	31	16	15
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQFT	967		967
X0328001	REGENERATIVE AIR SWEEPER	SQ YD	3822	2642	1180
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	157		157
X3550015	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	TON	831		831
X4400196	HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	125	64	61

*= SPECIALTY ITEM

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	DRAWN -	REVISED -
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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				LOCATION 1	LOCATION 2
				WOODFORD	WOODFORD
				0004	0004
				80% FED/20% STATE	80% FED/20% STATE
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	946		946
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	750	750	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
X7011801	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1		1
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	369		369
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	300	191	109
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0022800	FENCE REMOVAL	FOOT	873	873	
Z0023600	FILLING EXISTING CULVERTS	EACH	1		1
Ø Z0076600	TRAINEES	HOUR	1000	1000	
Z0034105	MATERIAL TRANSFER DEVICE	TON	795.7	400.7	395
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000	
Z0062456	TEMPORARY PAVEMENT	SQ YD	1456		1456

Ø 0042

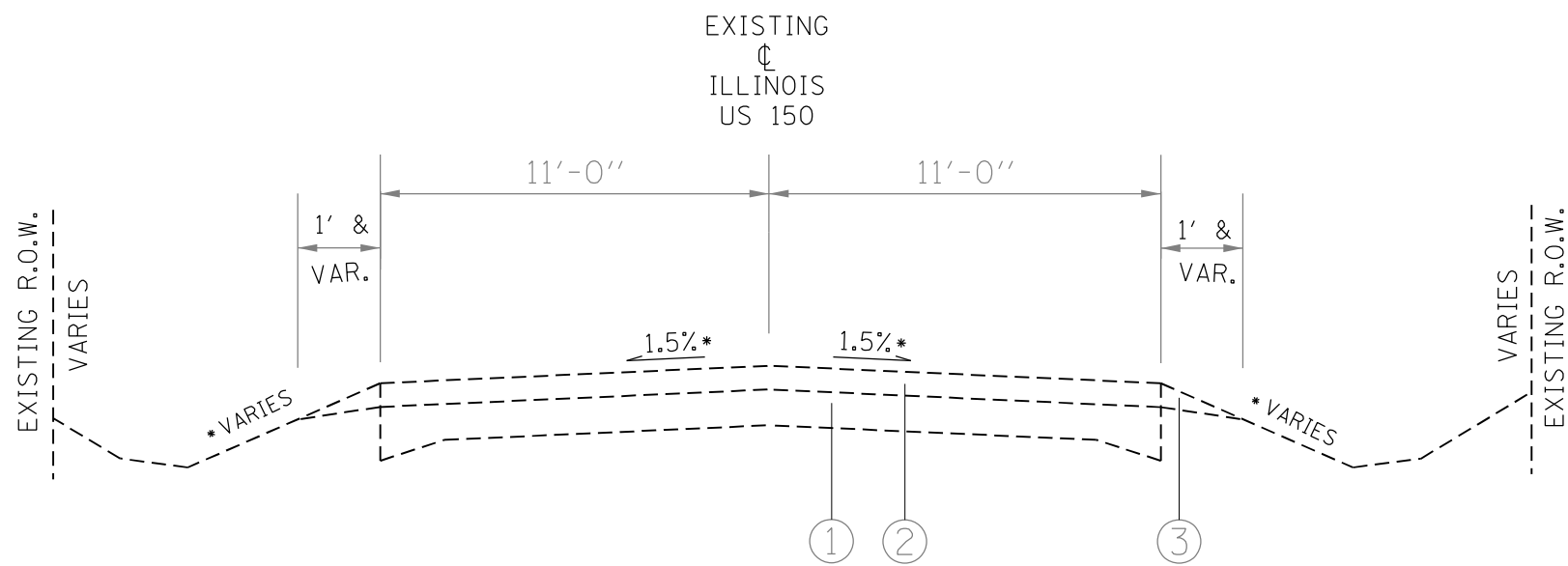
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS

EXISTING TYPICAL SECTION

STA 1043+44.14 TO STA 1055+00
STA 840+00 TO STA 851+00

* SLOPES VARY - SEE CROSS SECTIONS

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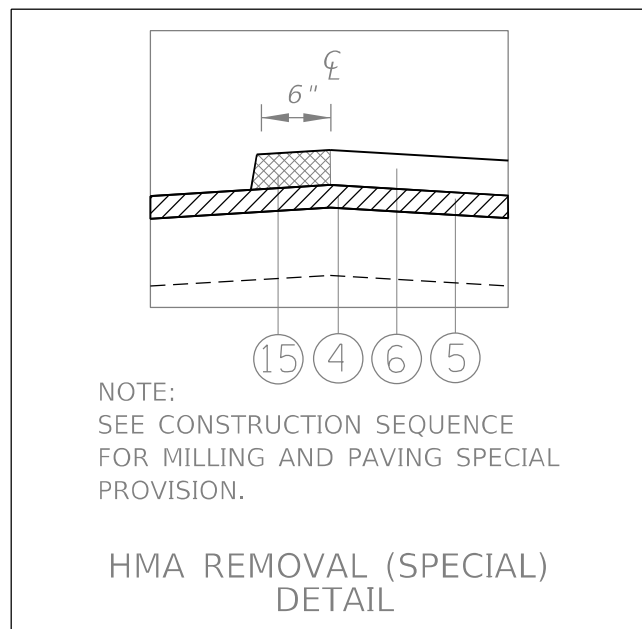
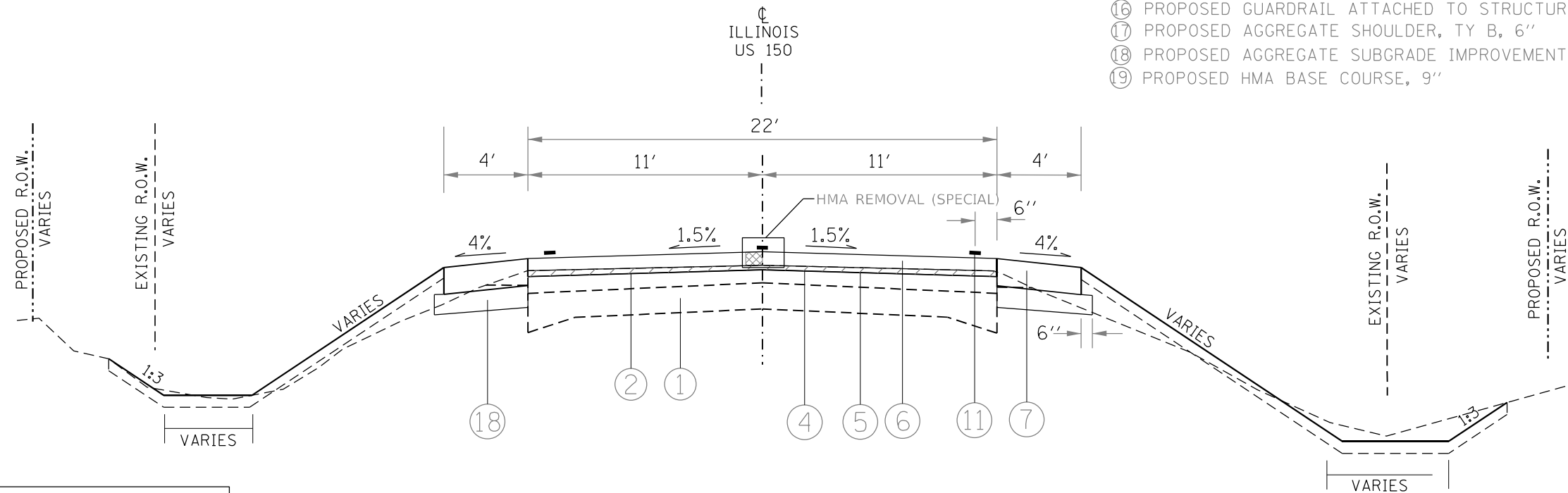
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET \$S OF \$OS SHEETS STA. 318+00 TO STA. 851+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	13
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
- ⑦ PROPOSED HMA SHOULDERS, 8"
- ⑧ PROPOSED CONCRETE GUTTER TYPE A (SPECIAL)
- ⑨ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A 6' POSTS
- ⑩ PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- ⑪ PROPOSED PAVEMENT MARKING
- ⑫ PROPOSED PAVEMENT REMOVAL
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑭ PROPOSED HMA BASE COURSE (VARIABLE DEPTH)
- ⑮ PROPOSED HMA REMOVAL (SPECIAL)
- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



PROPOSED TYPICAL SECTION

Sta. 1043+44.14 TO 1043+88
 RT STA 1046+85 TO 1049+00
 RT STA 1053+50 TO 1055+00
 LT STA 1049+37 TO 1051+00
 LT STA 1054+50 TO 1055+00

NOTE: Shoulder tapers from 2' to 4' from Sta 1043+44.14 to 1043+88

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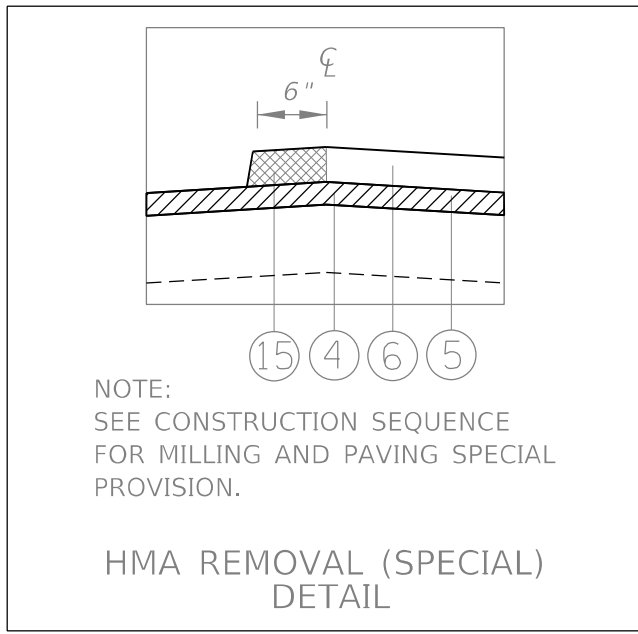
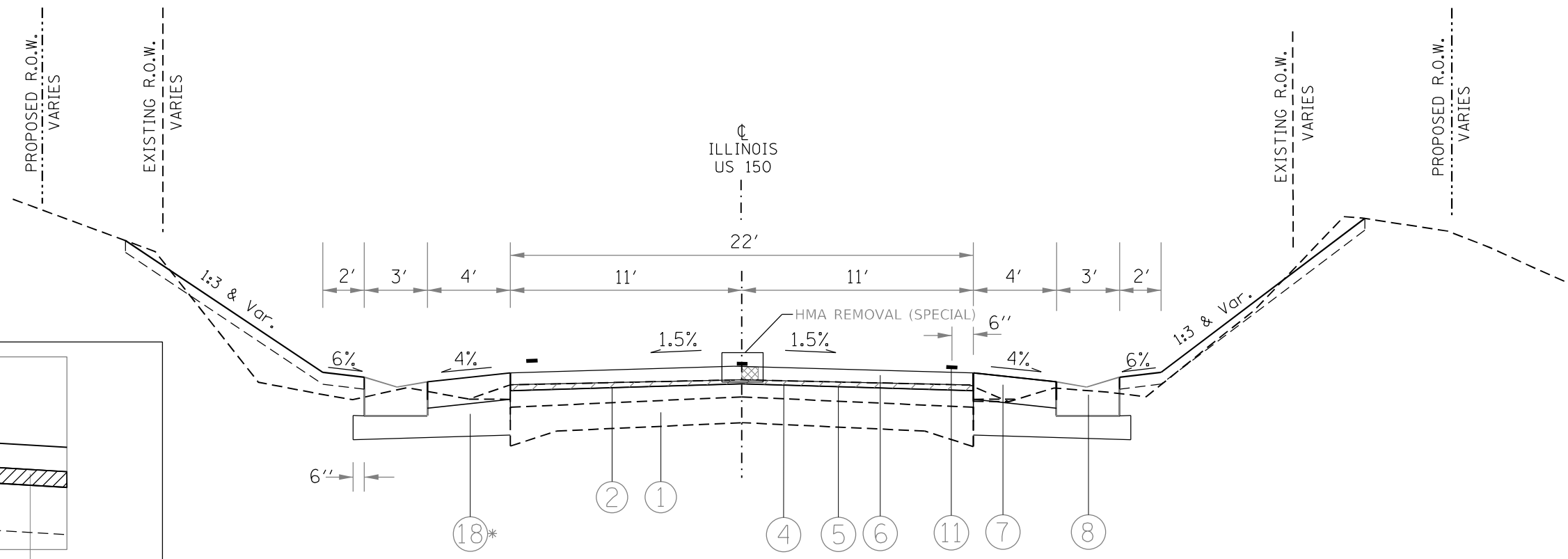
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET \$S OF \$0S SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	14
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
- ⑦ PROPOSED HMA SHOULDERS, 8"
- ⑧ PROPOSED CONCRETE GUTTER TYPE A (SPECIAL)
- ⑨ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A 6' POSTS
- ⑩ PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- ⑪ PROPOSED PAVEMENT MARKING
- ⑫ PROPOSED PAVEMENT REMOVAL
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑭ PROPOSED HMA BASE COURSE (VARIABLE DEPTH)
- ⑮ PROPOSED HMA REMOVAL (SPECIAL)
- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



PROPOSED TYPICAL SECTION
Rt. Sta. 1043+88 to 1046+85
Lt. Sta. 1043+88 to 1049+37

* Additional 1" and var. of Aggregate Subgrade Improvement under 4' Shoulders.
Cost included in Aggregate Subgrade Improvement, 6".

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

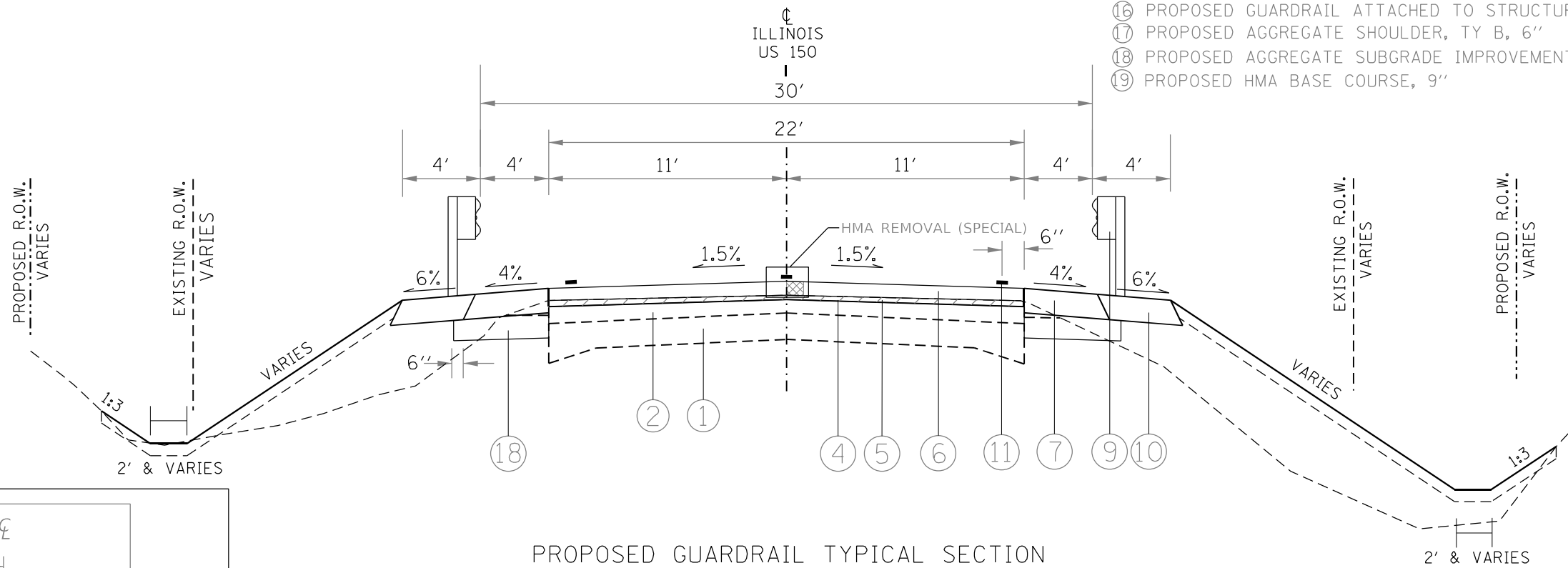
TYPICAL SECTIONS

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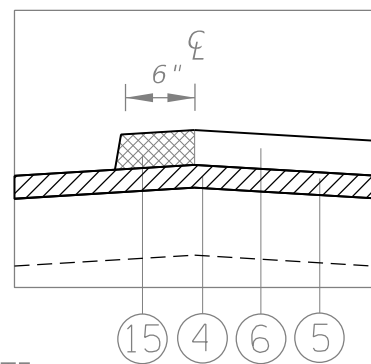
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CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
- ⑦ PROPOSED HMA SHOULDERS, 8"
- ⑧ PROPOSED CONCRETE GUTTER TYPE A (SPECIAL)
- ⑨ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A 6' POSTS
- ⑩ PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- ⑪ PROPOSED PAVEMENT MARKING
- ⑫ PROPOSED PAVEMENT REMOVAL
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑭ PROPOSED HMA BASE COURSE (VARIABLE DEPTH)
- ⑮ PROPOSED HMA REMOVAL (SPECIAL)
- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



PROPOSED GUARDRAIL TYPICAL SECTION
 RT STA 1049+00 TO STA 1053+50
 LT STA 1051+00 TO STA 1054+50



NOTE:
 SEE CONSTRUCTION SEQUENCE
 FOR MILLING AND PAVING SPECIAL
 PROVISION.

HMA REMOVAL (SPECIAL)
 DETAIL

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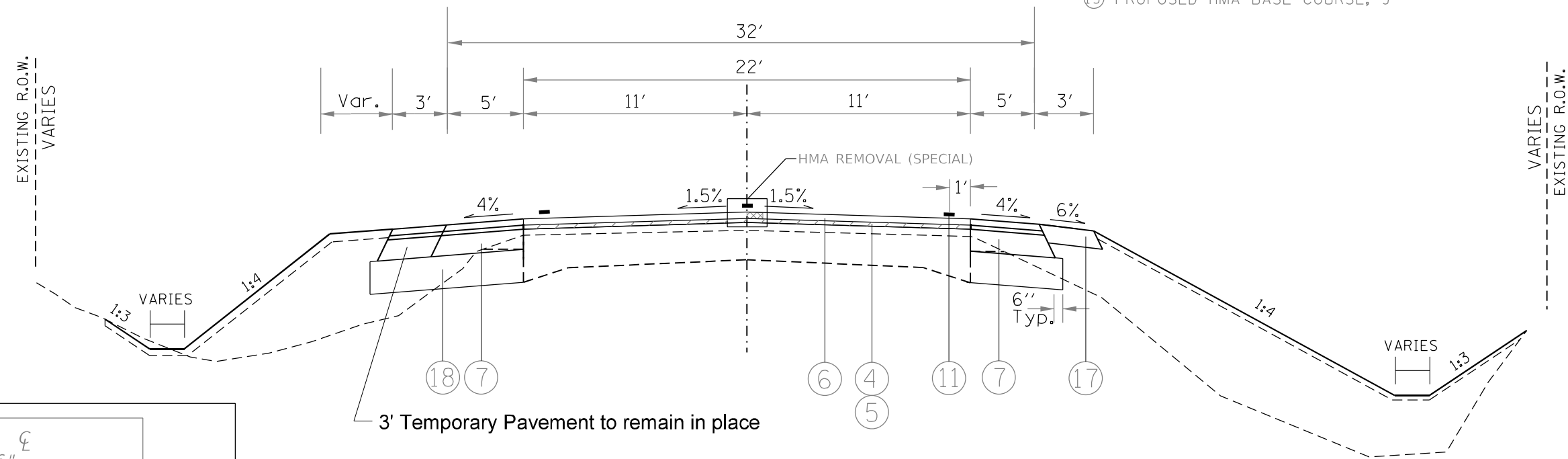
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET \$S OF \$0S SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	16
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

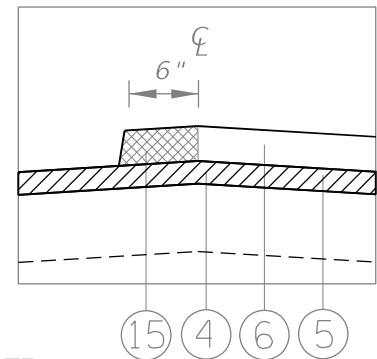
- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
- ⑦ PROPOSED HMA SHOULDERS, 8"
- ⑧ PROPOSED CONCRETE GUTTER TYPE A (SPECIAL)
- ⑨ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A 6' POSTS
- ⑩ PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- ⑪ PROPOSED PAVEMENT MARKING
- ⑫ PROPOSED PAVEMENT REMOVAL
- ⑬ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑭ PROPOSED HMA BASE COURSE (VARIABLE DEPTH)
- ⑮ PROPOSED HMA REMOVAL (SPECIAL)
- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



3' Temporary Pavement to remain in place

PROPOSED TYPICAL SECTION
 STA 840+00 TO 842+00
 STA 849+25 TO 851+00

NOTE: Shoulder tapers from 2' to 5' from Sta 840+00 to 840+50



NOTE:
 SEE CONSTRUCTION SEQUENCE
 FOR MILLING AND PAVING SPECIAL
 PROVISION.

HMA REMOVAL (SPECIAL)
 DETAIL

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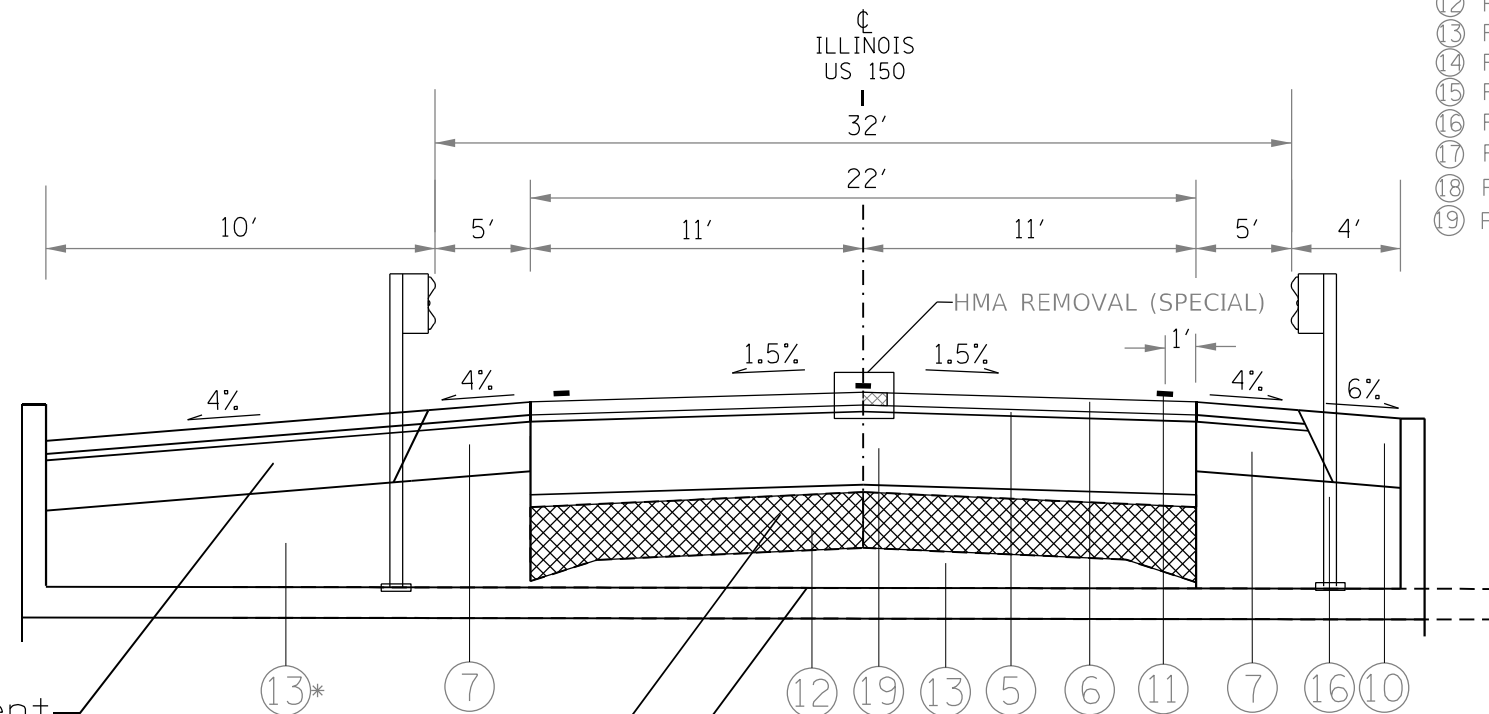
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE:	SHEET \$S	OF \$0S SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	17
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
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- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
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- ⑲ PROPOSED HMA BASE COURSE, 9"



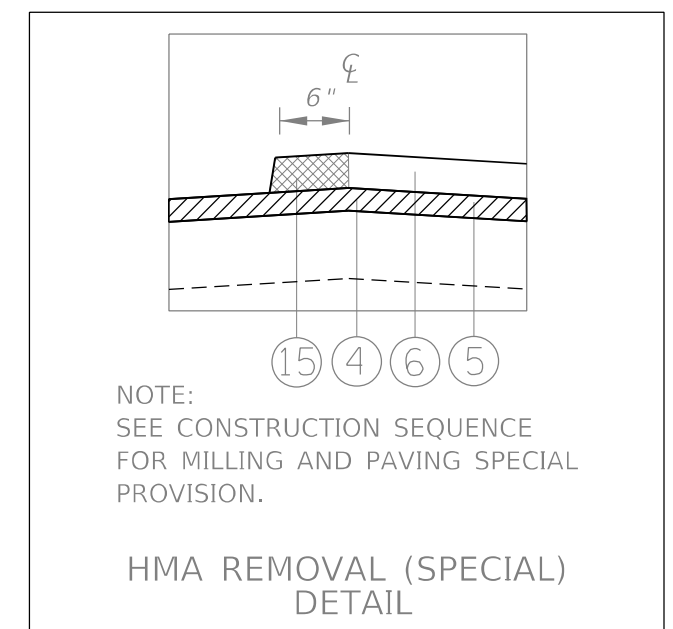
Temporary Pavement
to be removed to
install GUARDRAIL
ATTACHED TO STRUCTURE,
replace with GUARDRAIL
AGGREGATE EROSION CONTROL

Existing Pavement
To be removed

Top of Proposed
Double 12' x 6' Culvert
Sta. 844+87 to 845+13

PROPOSED TYPICAL SECTION
STA. 844+72 TO 845+28

* Additional 1" and var. of Aggregate Subgrade Improvement under Shoulders.
Cost included in AGGREGATE SUBGRADE IMPROVEMENT, 12".



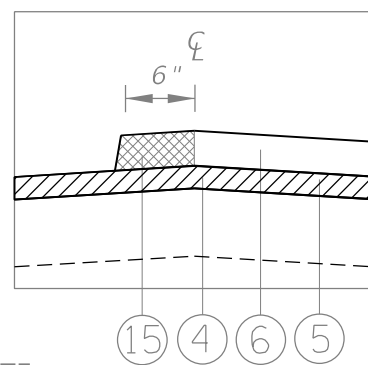
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PLOT DATE = 6/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE:	SHEET \$S	OF \$0S SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	18
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

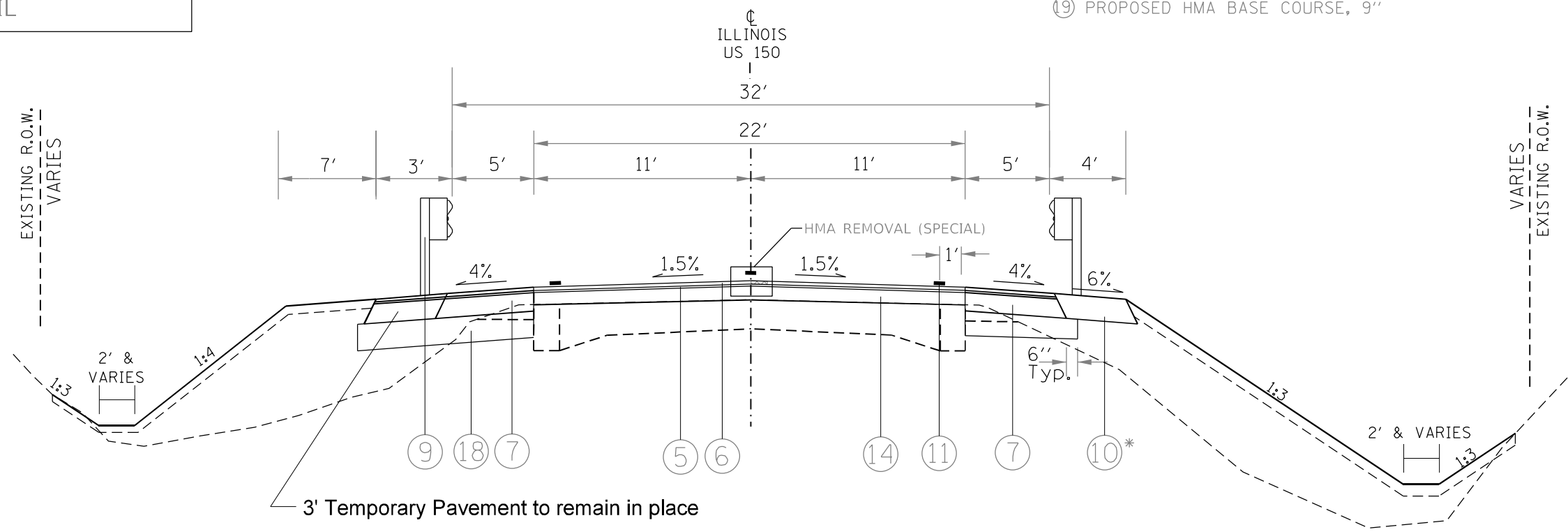


NOTE:
SEE CONSTRUCTION SEQUENCE
FOR MILLING AND PAVING SPECIAL
PROVISION.

HMA REMOVAL (SPECIAL)
DETAIL

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
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- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



PROPOSED TYPICAL SECTION
STA 842+00 TO STA 844+72
STA 845+28 TO STA 849+25

NOTE: Guardrail locations vary - see Plan Sheets

*Guardrail Aggregate located in guardrail locations only

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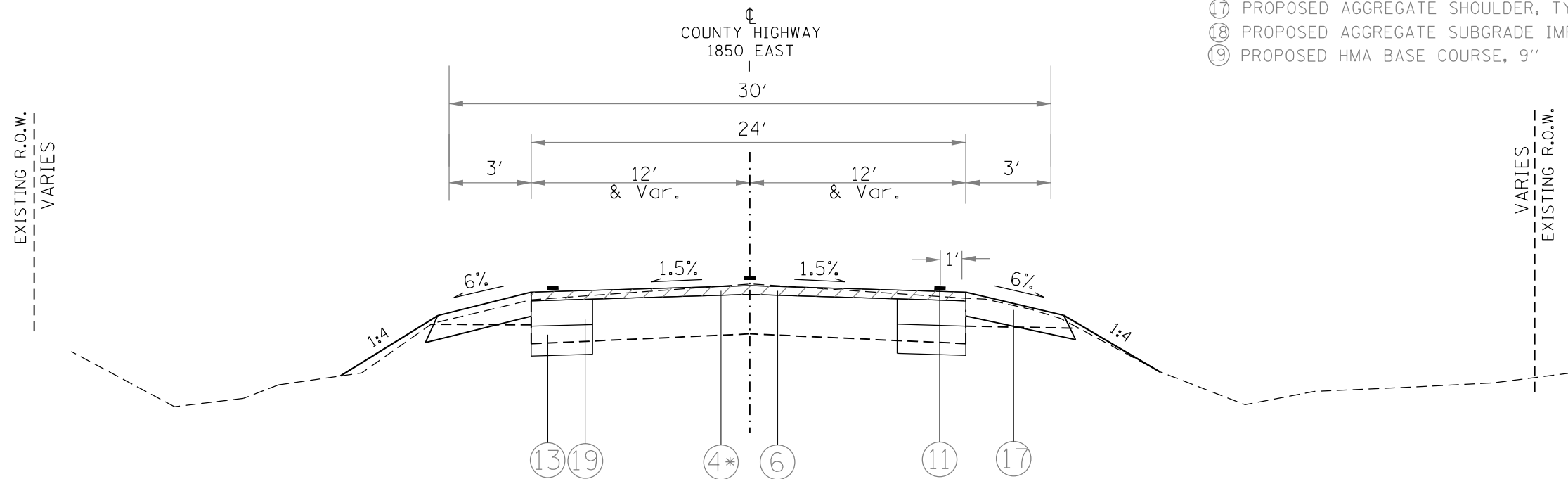
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET \$S OF \$0S SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	19
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING AGGREGATE SHOULDERS
- ④ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑤ PROPOSED POLYMERIZED HMA BINDER COURSE, N50, 1"
- ⑥ PROPOSED HMA POLYMERIZED SURFACE COURSE, IL-9.5, MIX D, N50, 1 1/2"
- ⑦ PROPOSED HMA SHOULDERS, 8"
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- ⑯ PROPOSED GUARDRAIL ATTACHED TO STRUCTURE
- ⑰ PROPOSED AGGREGATE SHOULDER, TY B, 6"
- ⑱ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 6"
- ⑲ PROPOSED HMA BASE COURSE, 9"



PROPOSED TYPICAL SECTION
SIDEROAD COUNTY HIGHWAY 1850 E
STA. 10+11 TO 10+55

* Milling is variable in depth from Sta. 10+11 to 10+30

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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION COUNTY HIGHWAY 1850 E			
SCALE:	SHEET \$S	OF \$0S SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	20
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

RESURFACING TABLE														
LOCATION	WIDTH FT	LENGTH FT	AREA SQ YD	HMA SURFACE REMOVAL				TEMPORARY RAMP SQ YD	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) POUND	POLYMERIZED HMA SURFACE COURSE Mix D, N50 1 1/2" TON	POLYMERIZED HMA BINDER COURSE N50 1" TON	MATERIAL TRANSFER DEVICE TON		
				BUTT JOINT	VARIABLE DEPTH	MILL 1"	SPECIAL							
				SQ YD	SQ YD	SQ YD	SQ YD							
Culvert Location 1 - 1043+44.14 to 1055+00														
1043+44.14	to	1043+64.14	22	20.0	48.9	48.9			1.1		106.6	4.2	2.7	6.9
1043+64.14	to	1051+95.00	22	830.9	2031.0			2031.0	46.2		4428.5	174.5	113.7	288.2
1051+95.00	to	1052+70.00	22	75.0	183.3				4.2		399.8	15.8	10.3	26.0
1052+70.00	to	1054+80.00	22	210.0	513.3			513.3	11.7		1119.3	44.1	28.7	72.8
1054+80.00	to	1055+00.00	22	20.0	48.9	48.9			1.1		106.6	4.2	2.7	6.9
Culvert Location 2 - 840+00 to 851+00														
840+00.00	to	840+20.00	22	20.00	48.9	48.9			1.1	12.2	71.4	4.2	2.7	6.9
840+20.00	to	842+25.00	22	205.00	501.1		501.1		11.4		731.9	43.1	28.1	71.1
842+25.00	to	844+72.00	22	247.00	603.8	48.9			13.7		881.8	51.9	33.8	85.7
844+72.00	to	845+28.00	22	56.00	136.9				3.1		199.9	11.8	7.7	19.4
845+28.00	to	849+25.00	22	397.00	970.4	48.9			22.1		1417.3	83.4	54.3	137.7
849+25.00	to	850+80.00	22	155.00	378.9		378.9		8.6		553.4	32.6	21.2	53.8
850+80.00	to	851+00.00	22	20.00	48.9	48.9			1.1	12.2	71.4	4.2	2.7	6.9
Sideroad														
Woodford County 1850 E					155.9	37.8	66.1			13.3	112.3	13.1		13.1
Shoulder Calculations (See Sheet 23)											5655.0	99.0	66.0	
TOTALS					5670.2	332	946	2544	125	38	15855	585.7	374.8	795.7

TREE REMOVAL (6 to 15 UNITS DIAMETER)	
LOCATION	UNIT
CULVERT LOCATION 1 RT AND LT	326
TOTAL	326.00

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
LOCATION	UNIT
CULVERT LOCATION 1 RT AND LT	179
TOTAL	179.00

MOWING	
LOCATION	ACRE
Culvert Location 1	2.8
Culvert Location 2	1.6
TOTAL	4.4

EROSION CONTROL BLANKET	
LOCATION	SQ YD
Culvert Location 1	4835
TOTAL	4835

EARTHWORK TABLE						
LOCATION	EARTH	STRUCTURE	EARTH	EMBANKMENT	FURNISHED	CHANNEL
	EXCAVATION	EXCAVATION	EXCAVATION (W/SHRINKAGE)		EXCAVATION	EXCAVATION
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
Culvert Location 1		2616	1962		-1962	68
Left Sta. 1043+44.14 to 1055+00	860		645	1356	711	
Right Sta. 1043+44.14 to 1055+00	1434		1075.5	2442	1366.5	
Culvert Location 2		340	255		-255	
Left Sta. 840+00 to 851+50	460		345	479	134	
Right Sta. 840+00 to 851+50	125		93.75	881	787.25	
County Highway 1850 E	5		3.75		-3.75	
TOTAL	2884	2956	4380	5158	778	68

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET \$S	OF \$0S SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	21
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING REMOVAL - WATER BLASTING		
LOCATION	FOOT	SQ FT
Culvert Location 2		
Stage 1		
LINE - 4"	1994	664.67
LINE - 24"		0.00
Stage 2		
LINE - 4"	203	67.67
LINE - 24"		0.00
Stage 3		
LINE - 4"	506	168.67
LINE - 24"	33	66.00
TOTAL		967

SHORT TERM PAVEMENT MARKING							SHORT TERM PAVEMENT MARKING REMOVAL	
LOCATION		LENGTH	DASH	SHLDR	ALL			
		FOOT	FOOT	FOOT	FOOT	SQ FT		
Culvert Location 1								
1043+44.14		1046+00.00	255.9	26	20	118		
1046+00	TO	1055+00	900.0	90	72	414		
Culvert Location 2								
840+00	TO	851+00	1100.0	110	88	506	SHORT TERM	
TOTAL						1038	346	

TEMPORARY CONCRETE BARRIER		
LOCATION	STAGE	FOOT
Culvert Location 2	1	763
	2	325
TOTAL		1088

RELOCATE TEMPORARY CONCRETE BARRIER		
LOCATION	STAGE	FOOT
Culvert Location 2	2	763
TOTAL		763

MODIFIED URETHANE PAVEMENT MARKING					RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION		LENGTH	4" LINE	4" LINE	EACH	EACH	
			WHITE	YELLOW			
			FOOT	FOOT	2-WAY AMBER		
Culvert Location 1							
1043+44.14		1046+00.00	255.9	511.72	511.7	4	
1046+00	TO	1055+00	900.0	1800	1800.0	12	
Culvert Location 2							
839+00	TO	853+00	1400.0	2800	1350.0	15	
TOTAL					8773	31	31

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		
LOCATION	STAGE	EACH
Culvert Location 2	1	2
	2	2
TOTAL		4

HMA BASE COURSE (VARIABLE DEPTH)	
LOCATION	TONS
Culvert Location 2	
Sta. 842+00 to 850+00	817.10
Woodford County 1850 E	
Sta. 10+11 to 10+41	13.52
TOTAL	831

RELOCATE IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		
LOCATION	STAGE	EACH
Culvert Location 2	2	2
TOTAL		2

CONCRETE GUTTER, TYPE A (SPECIAL)	
LOCATION	FOOT
Culvert Location 1	
Rt. Sta. 1044+00 to 1046+50	250
Lt. Sta. 1044+00 to 1049+00	500
TOTAL	750

GUARDRAIL AGGREGATE EROSION CONTROL	
LOCATION	TON
Culvert Location 1	
Lt. Sta. 1050+50 to 1055+00	95.1
Rt. Sta. 1049+50 to 1053+50	95.1
Culvert Location 2	
Lt. Sta. 844+85 to 845+15	1.9
Rt. Sta. 842+00 to 847+00	107.0
TOTAL	300

TEMPORARY PAVEMENT	
LOCATION	SQ YD
Culvert Location 2	
Rt. Sta. 839+00 to 851+00 Stage I (1.5')	200.0
Lt. Sta. 842+00 to 849+25 - Stage III (2.5')	201.4
Lt. Sta. 840+00 to 850+75 - Stage III (10' & Var.)	1054.5
TOTAL	1456

TERMINAL MARKER - DIRECT APPLIED	
LOCATION	EACH
Culvert Location 1	
Lt. Sta. 1051+50 to 1054+00	2
Rt. Sta. 1050+50 to 1053+00	2
Culvert Location 2	
Lt. Sta. 843+50 to 847+50	2
Rt. Sta. 842+50 to 846+50	2
TOTAL	8

PINNING TEMPORARY CONCRETE BARRIER		
LOCATION 2	STAGE	EACH
Sta. 842+50 to 848+50	1	160
Sta. 842+50 to 849+00	2	209
TOTAL		369

CONSTRUCTION LAYOUT	
LOCATION	L SUM
Culvert Location 1	0.5
Culvert Location 2	0.5
TOTAL	1

FILLING EXISTING CULVERTS	
LOCATION	EACH
Culvert Location 2	
Woodford County 1850 E Sta. 849+50.89	1.0
TOTAL	1.0

GUARDRAIL REFLECTORS, TYPE A	
LOCATION	EACH
Culvert Location 1	
Lt. Sta. 1051+50 to 1054+00	4
Rt. Sta. 1050+50 to 1053+00	4
Culvert Location 2	
Lt. Sta. 843+50 to 847+50	5
Rt. Sta. 842+50 to 846+50	5
TOTAL	18

TRAFFIC CONTROL AND PROTECTION (SPECIAL)	
LOCATION	L SUM
Culvert Location 1	1
TOTAL	1

FENCE REMOVAL	
LOCATION	FOOT
Culvert Location 1	
Lt. Sta. 1049+70 to 1055+70	543.0
Rt. Sta. 1051+00 to 1053+10	330.0
TOTAL	873

REGENERATIVE AIR SWEEPER	
LOCATION	SQ YD
Culvert Location 1	2642.1
Culvert Location 2	1179.4
TOTAL	3822

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET \$S	OF \$0S SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	24
CONTRACT NO. 68D17			ILLINOIS FED. AID PROJECT	



To Goodfield

Culvert 1 Limits
Sta. 1043+44.14 to 1055+00

Culvert 1
Sta. 1052+33
6' x 4' Box Culvert
Exist SN 102-1005
Prop SN 102-2503

US 150

CONGERVILLE

Culvert 2 Limits
Sta. 840+00 to 851+00

Culvert 2
Sta. 845+00
Double 12' x 6' Box Culvert
Exist SN 102-1004
Prop SN 102-2030

County Road 1825 E

County Road 1850 E

To Carlock

NOT TO SCALE

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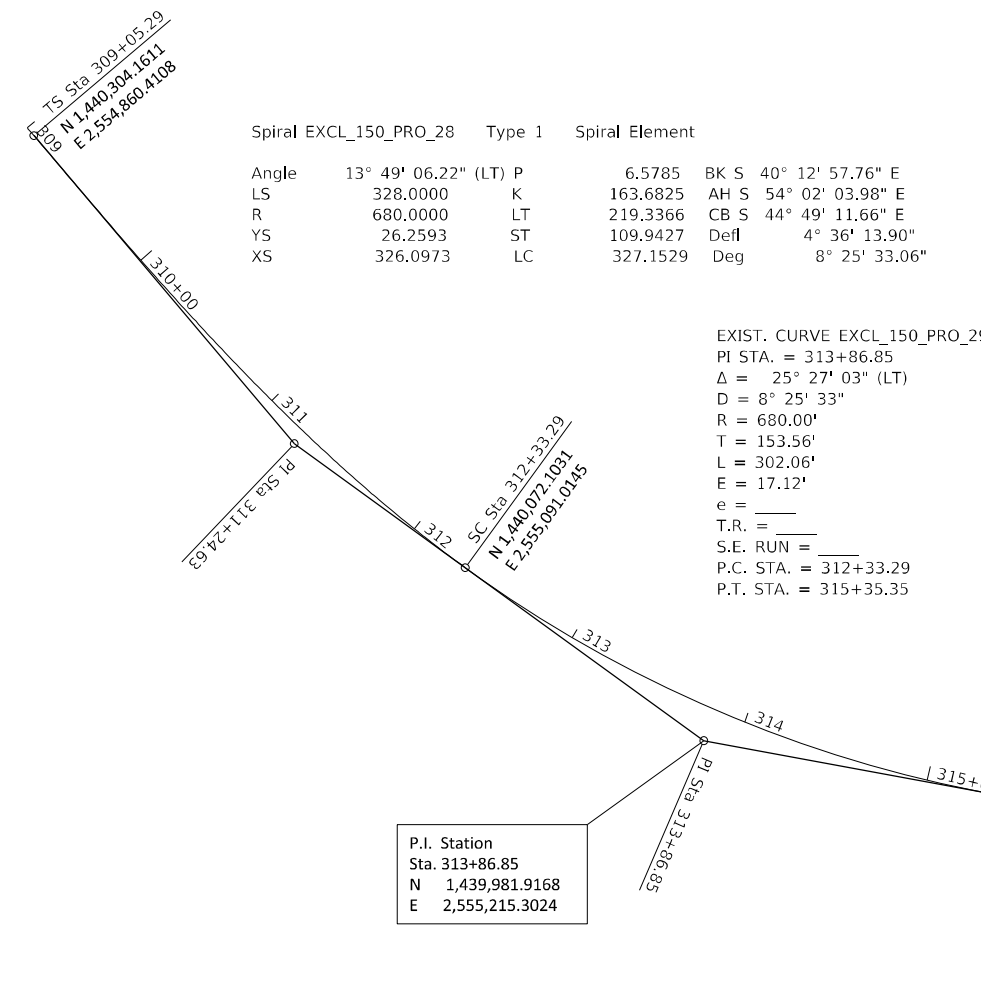
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: SHEET OF SHEETS STA. 318+00 TO STA. 851+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	25
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

DATUM
NAD 1983
GEOID G12AUS
US STATE PLANE 1983
VERTICAL DATUM NAVD 88
COM FACTOR = 0.999988



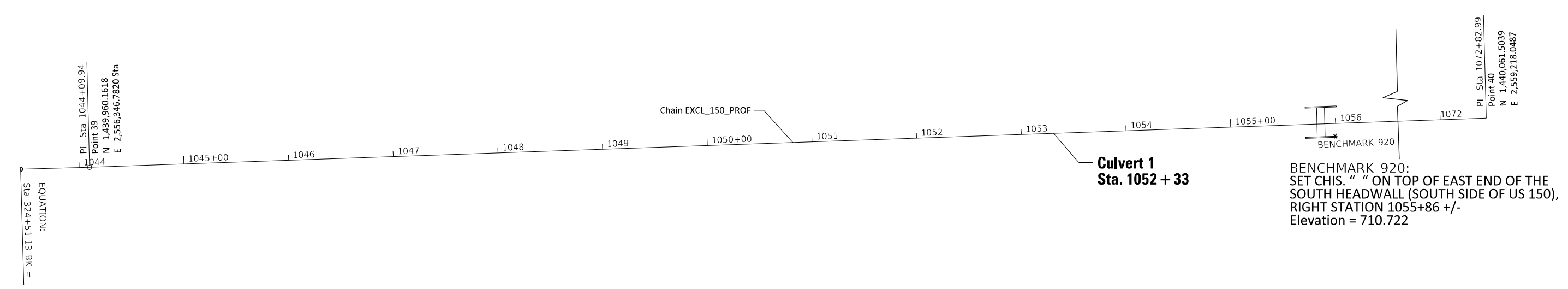
Spiral EXCL_150_PRO_28 Type 1 Spiral Element

Angle	13° 49' 06.22" (LT) P	6.5785	BK S	40° 12' 57.76" E
LS	328.0000	K	163.6825	AH S 54° 02' 03.98" E
R	680.0000	LT	219.3366	CB S 44° 49' 11.66" E
YS	26.2593	ST	109.9427	Defl 4° 36' 13.90"
XS	326.0973	LC	327.1529	Deg 8° 25' 33.06"

EXIST. CURVE EXCL_150_PRO_29
PI STA. = 313+86.85
Δ = 25° 27' 03" (LT)
D = 8° 25' 33"
R = 680.00'
T = 153.56'
L = 302.06'
E = 17.12'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 312+33.29
P.T. STA. = 315+35.35

Spiral EXCL_150_PRO_30 Type 2 Spiral Element

Angle	12° 02' 56.28" (LT) P	5.0041	BK S	79° 29' 06.72" E
LS	286.0000	K	142.7895	AH N 88° 27' 57.00" E
R	680.0000	LT	191.1102	CB S 87° 31' 09.66" E
YS	19.9848	ST	95.7367	Defl 4° 00' 53.34"
XS	284.7378	LC	285.4383	Deg 8° 25' 33.06"



PI Sta 1044+09.94
Point 39
N 1,439,960.1618
E 2,556,346.7820 Sta

PI Sta 1072+82.99
Point 40
N 1,440,061.5039
E 2,559,218.0487

BENCHMARK 920:
SET CHIS. " " ON TOP OF EAST END OF THE
SOUTH HEADWALL (SOUTH SIDE OF US 150),
RIGHT STATION 1055+86 +/-
Elevation = 710.722

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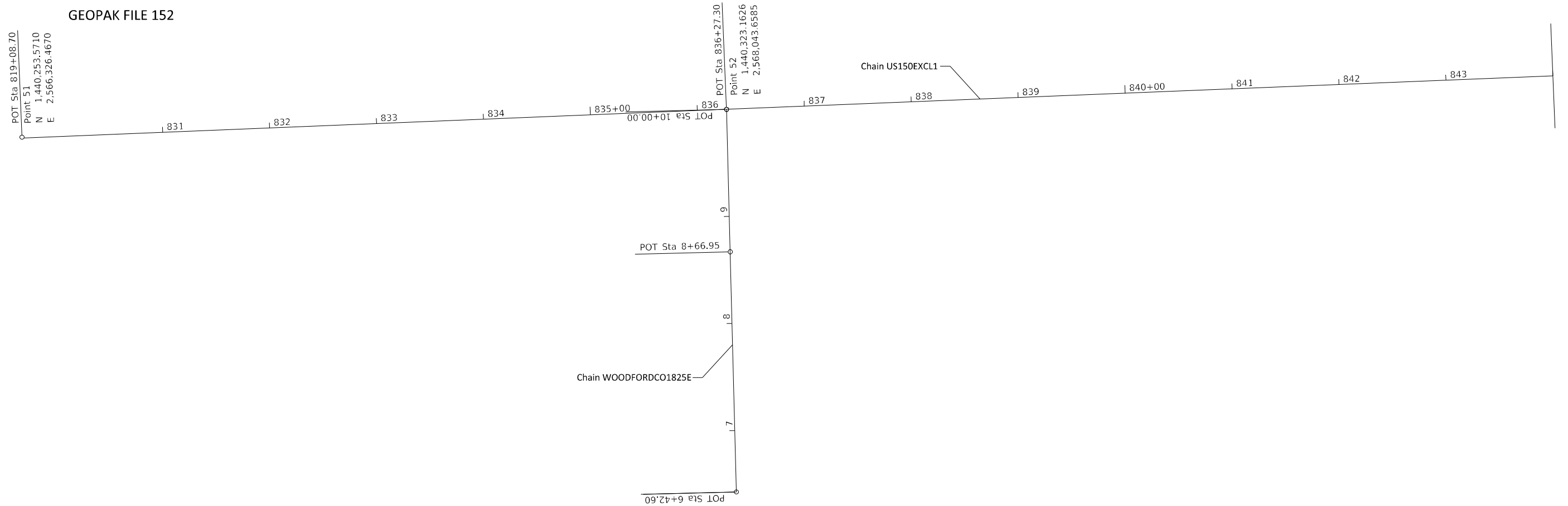
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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES AND BENCHMARKS	
SCALE:	SHEET OF SHEETS STA. 305+05.29 TO STA. 1072+82.99

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	26
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

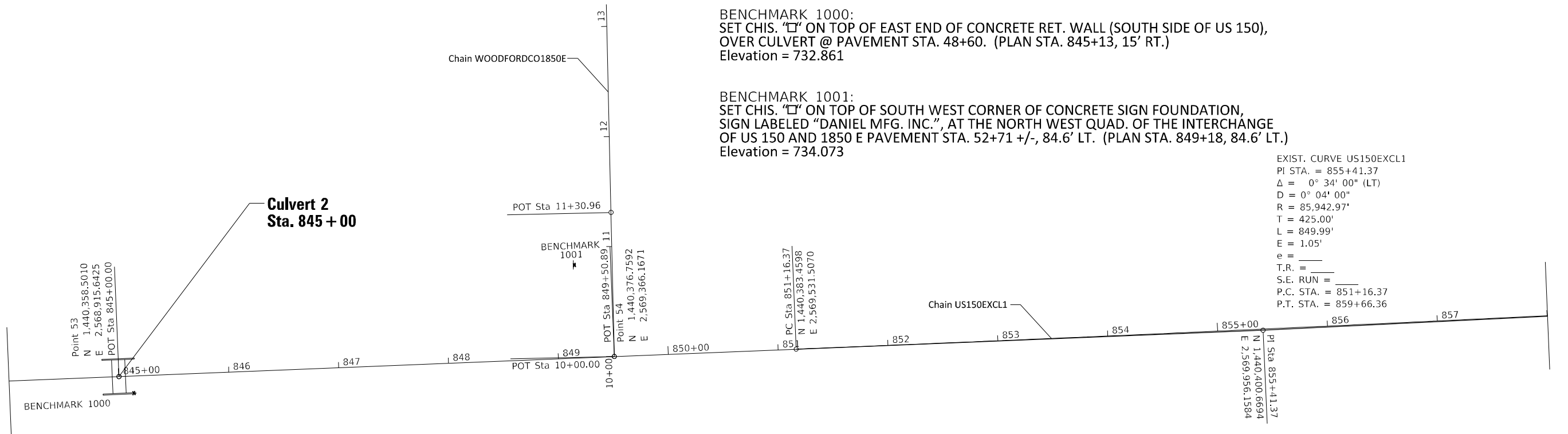
GEOPAK FILE 152



BENCHMARK 1000:
SET CHIS. "□" ON TOP OF EAST END OF CONCRETE RET. WALL (SOUTH SIDE OF US 150),
OVER CULVERT @ PAVEMENT STA. 48+60. (PLAN STA. 845+13, 15' RT.)
Elevation = 732.861

BENCHMARK 1001:
SET CHIS. "□" ON TOP OF SOUTH WEST CORNER OF CONCRETE SIGN FOUNDATION,
SIGN LABELED "DANIEL MFG. INC.", AT THE NORTH WEST QUAD. OF THE INTERCHANGE
OF US 150 AND 1850 E PAVEMENT STA. 52+71 +/-, 84.6' LT. (PLAN STA. 849+18, 84.6' LT.)
Elevation = 734.073

EXIST. CURVE US150EXCL1
PI STA. = 855+41.37
 Δ = 0° 34' 00" (LT)
D = 0° 04' 00"
R = 85,942.97'
T = 425.00'
L = 849.99'
e = 1.05'
T.R. = _____
S.E. RUN = _____
P.C. STA. = 851+16.37
P.T. STA. = 859+66.36



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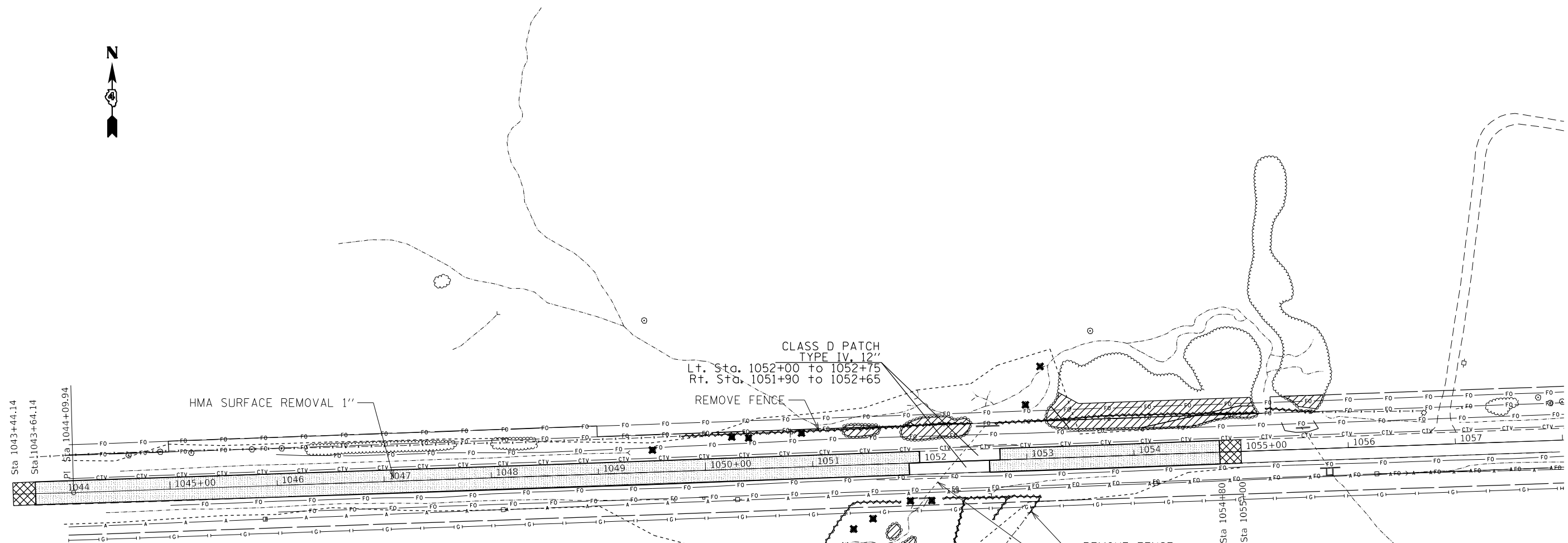
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PLOT DATE = 6/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. 819+08.70 TO STA. 858+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	27
CONTRACT NO. 68D17				
ILLINOIS		FED. AID PROJECT		



LEGEND	
	TREE REMOVAL
	TREE REMOVAL, ACRES
	FENCE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1"
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT
	PAVEMENT REMOVAL
	GUARDRAIL REMOVAL

LIMITS OF CONSTRUCTION

REMOVE FENCE
 REMOVAL OF EXISTING STRUCTURE 1
 (5' x 4')
 90' length

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN LOCATION 1
S.N.: 102-1005

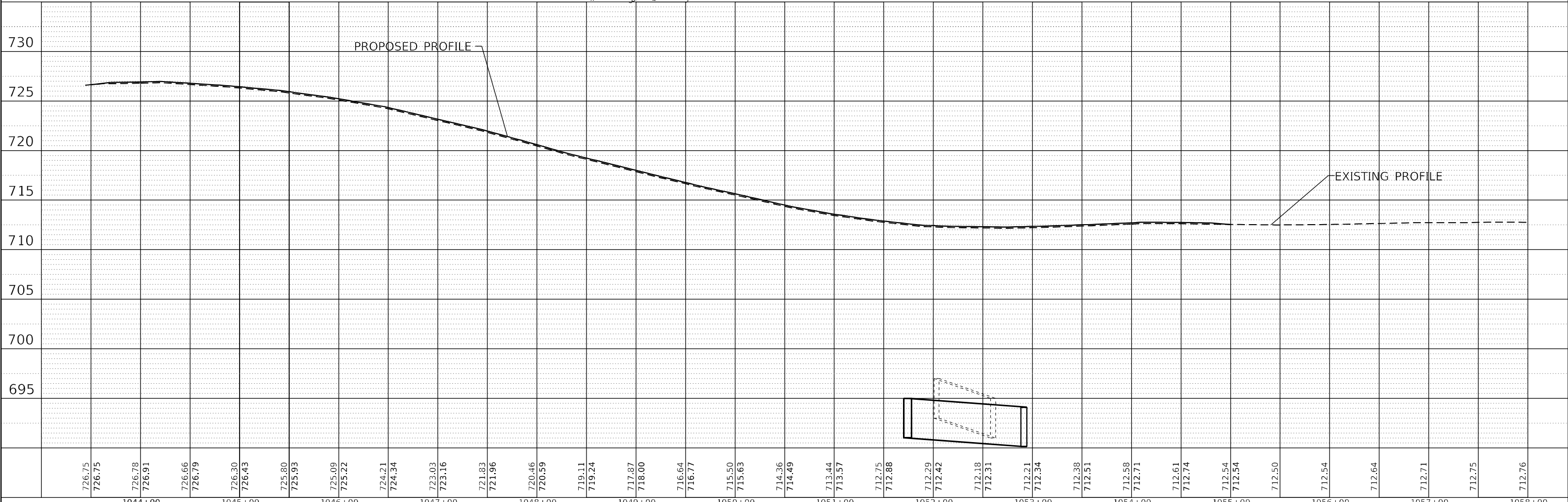
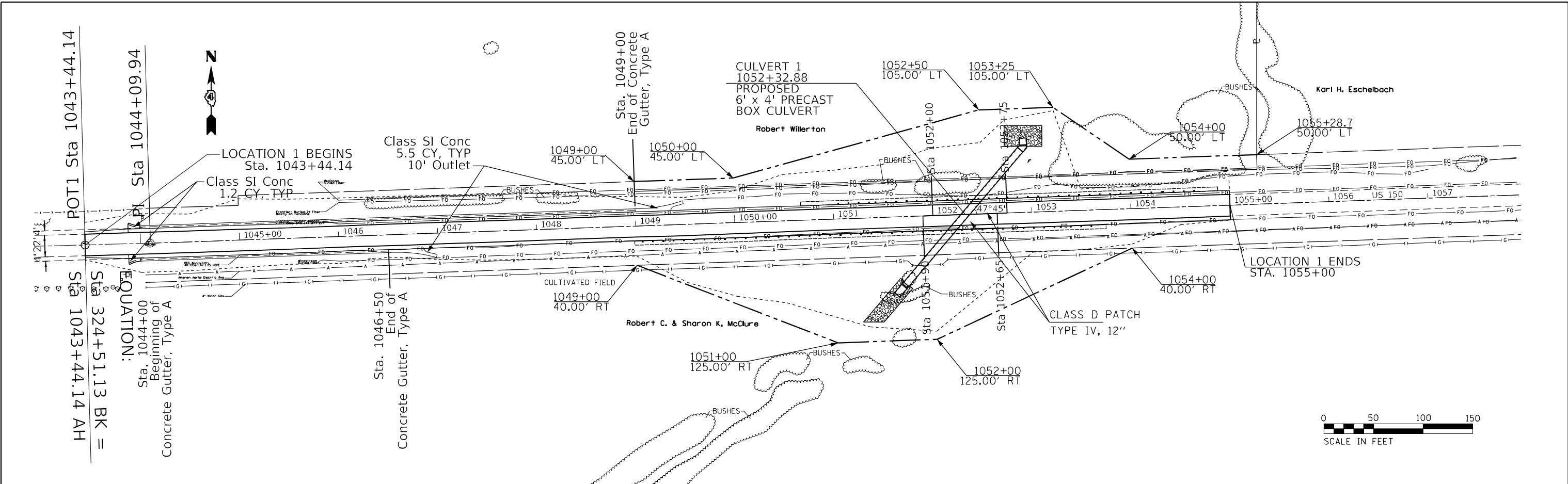
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	28
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

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	STRUCTURE NOTATIONS CHECKED	
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	FILE NAME	

PROFILE	SURVEYED	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

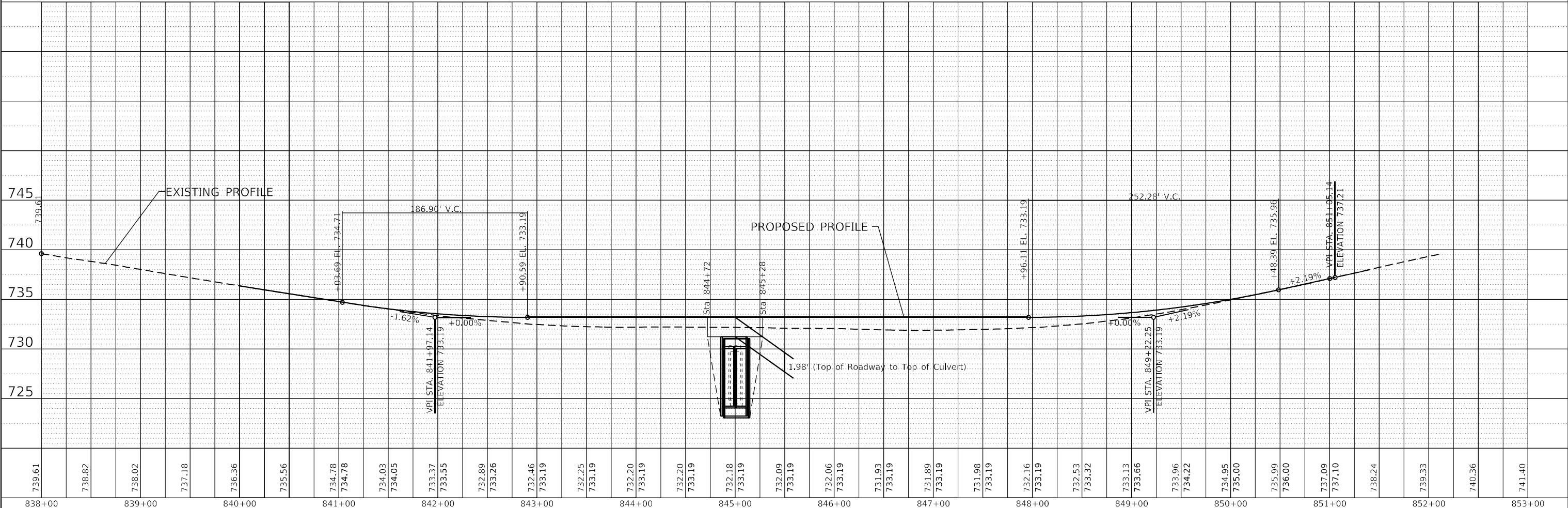
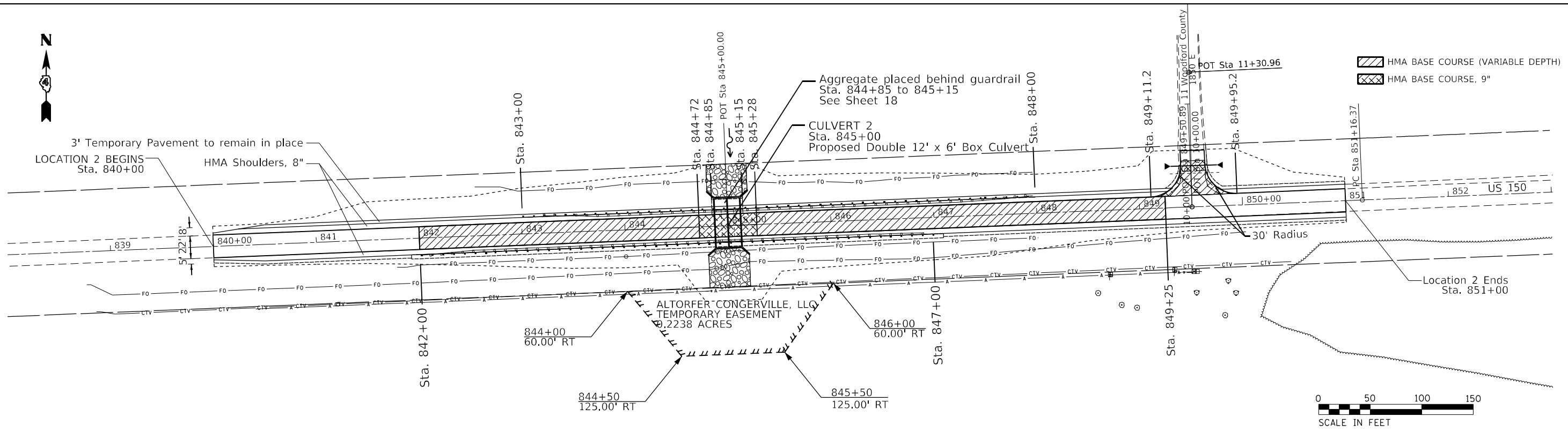
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SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 30
CONTRACT NO. 68D17				
ILLINOIS		FED. AID PROJECT		

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PROFILE	SURVEYED	DATE
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

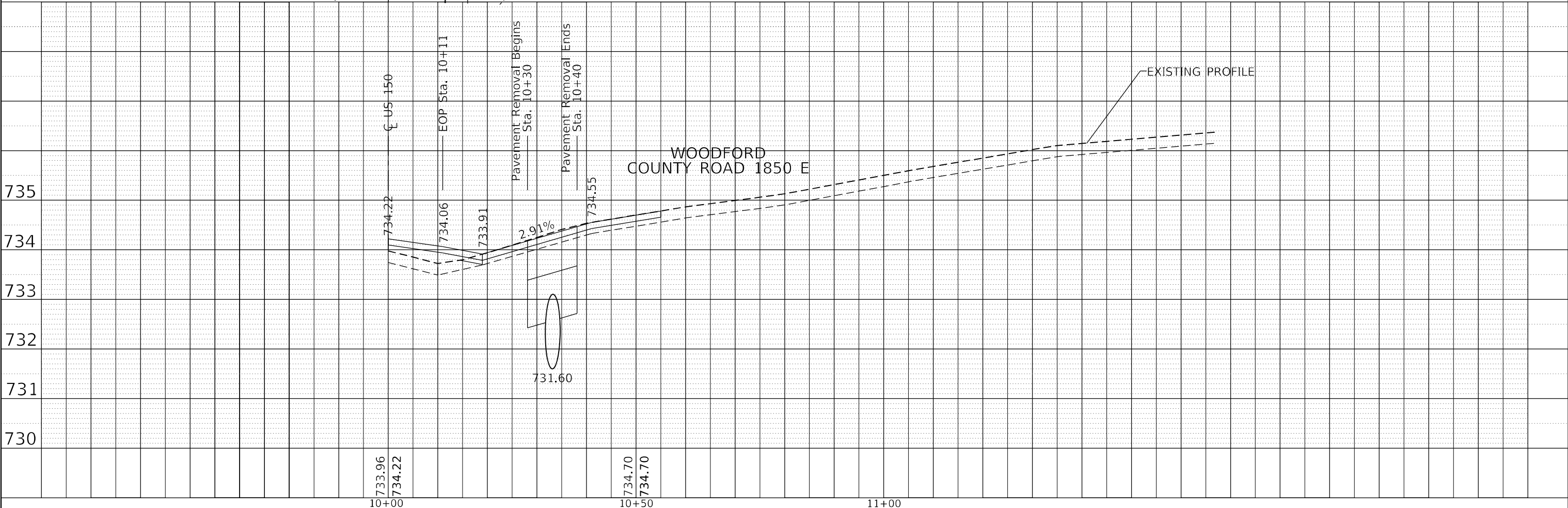
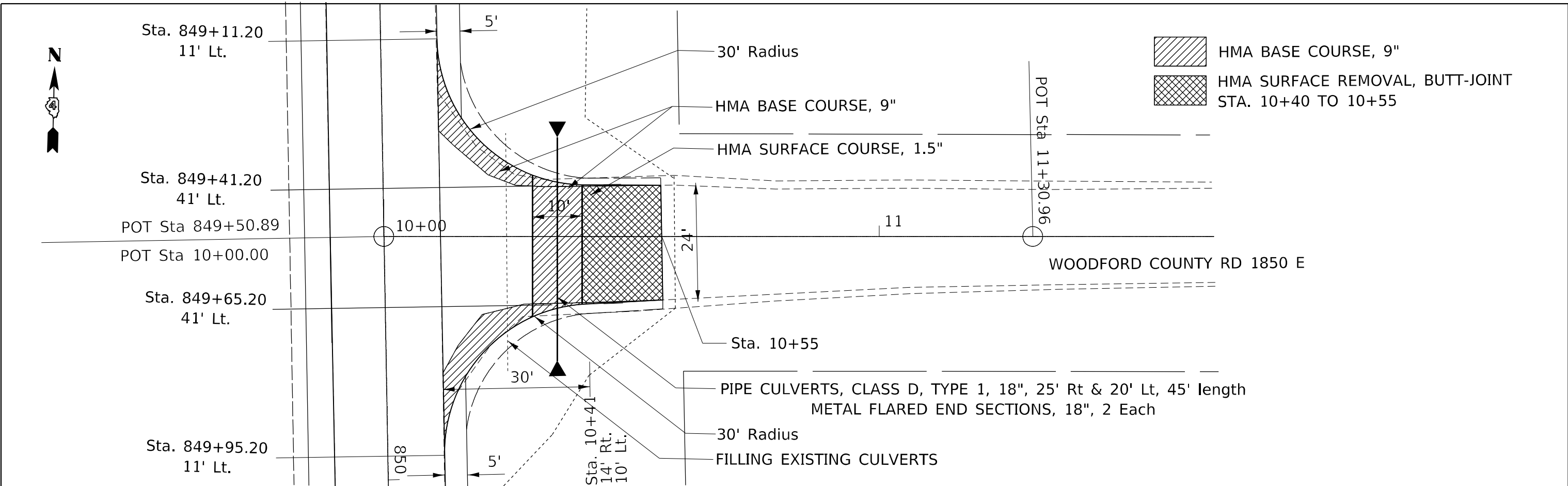
PLAN & PROFILE LOCATION 2			
SCALE:	SHEET 55	OF 505 SHEETS	STA. 838+00 TO STA. 853+00

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 31
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
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	STRUCTURE NOTATIONS	
	NO.	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

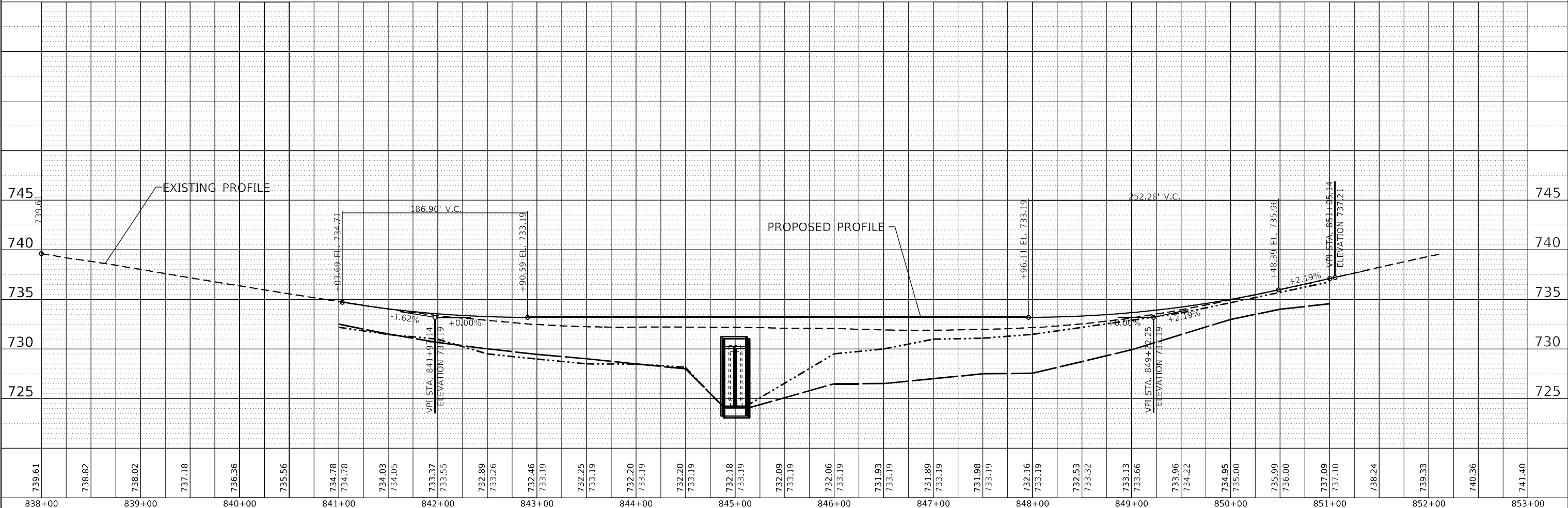
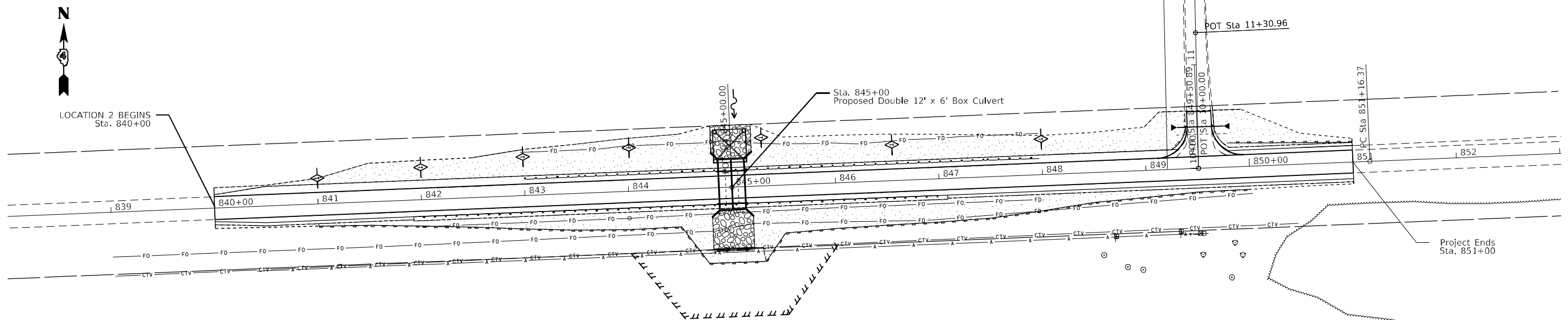
COUNTY ROAD 1850 E			
PLAN & PROFILE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	32
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION	
	CADD FILE NAME	
	NO.	

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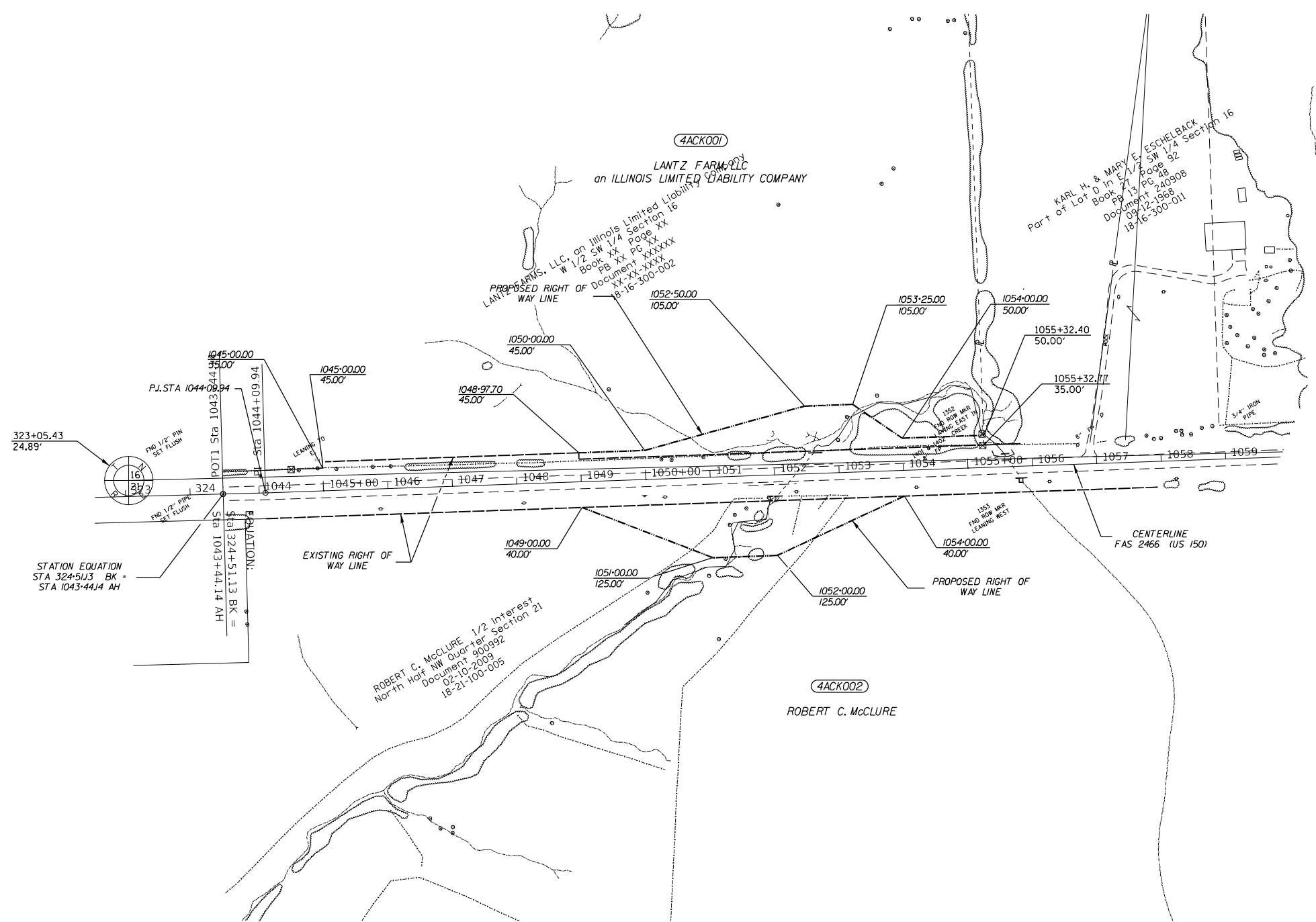


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	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN LOCATION 2			
SCALE:	SHEET 55	OF 505 SHEETS	STA. 838+00 TO STA. 853+00

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 34
		CONTRACT NO. 68D17		
		ILLINOIS FED. AID PROJECT		



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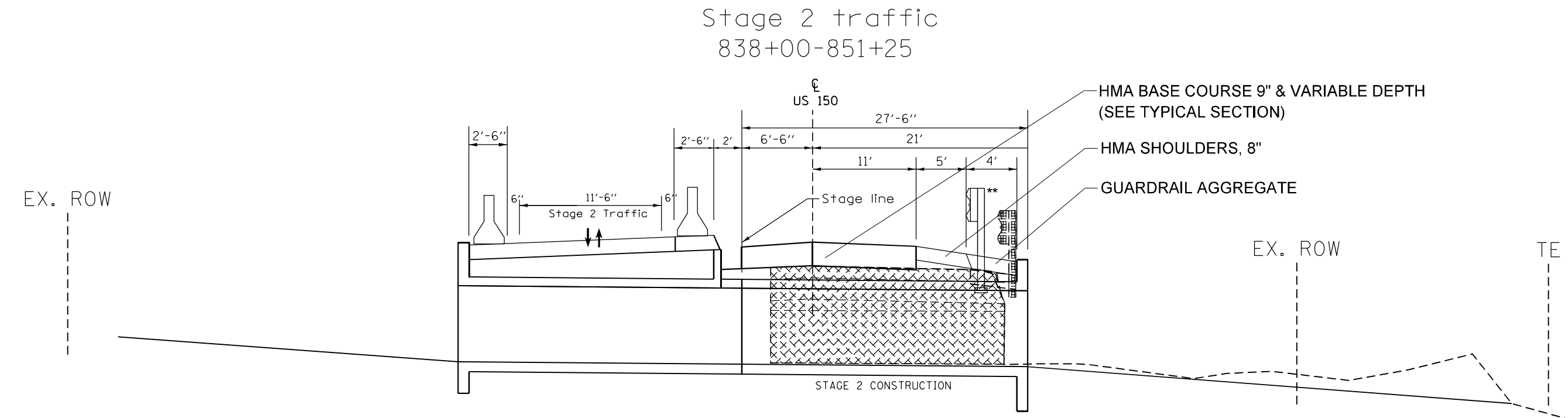
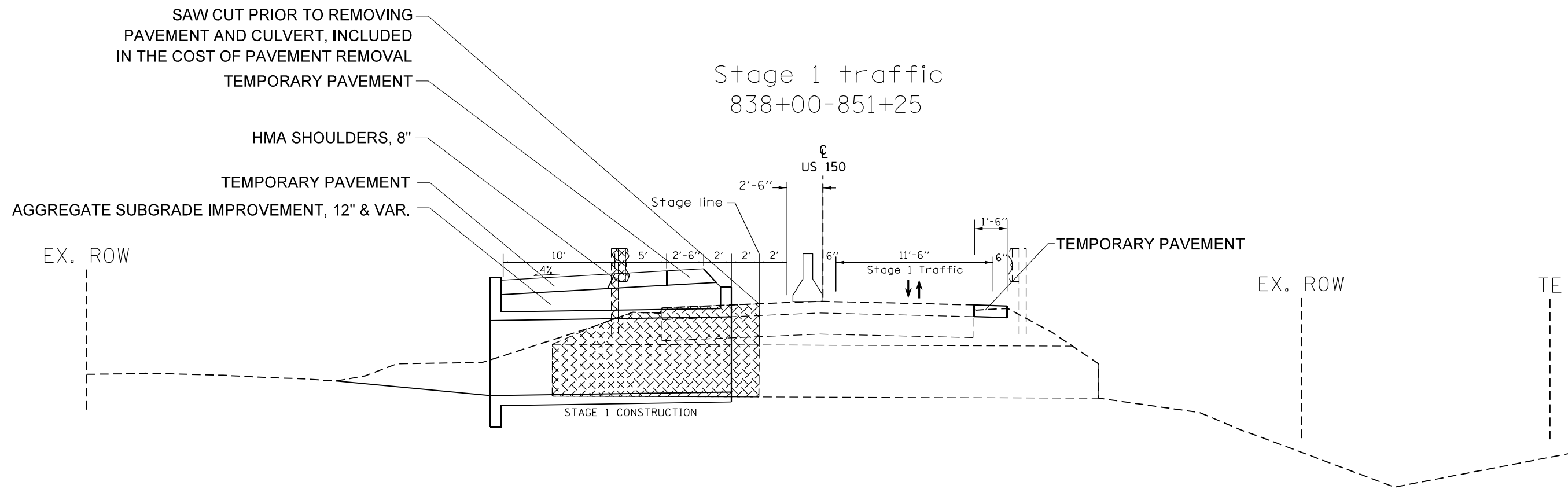
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PLOT DATE = 6/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

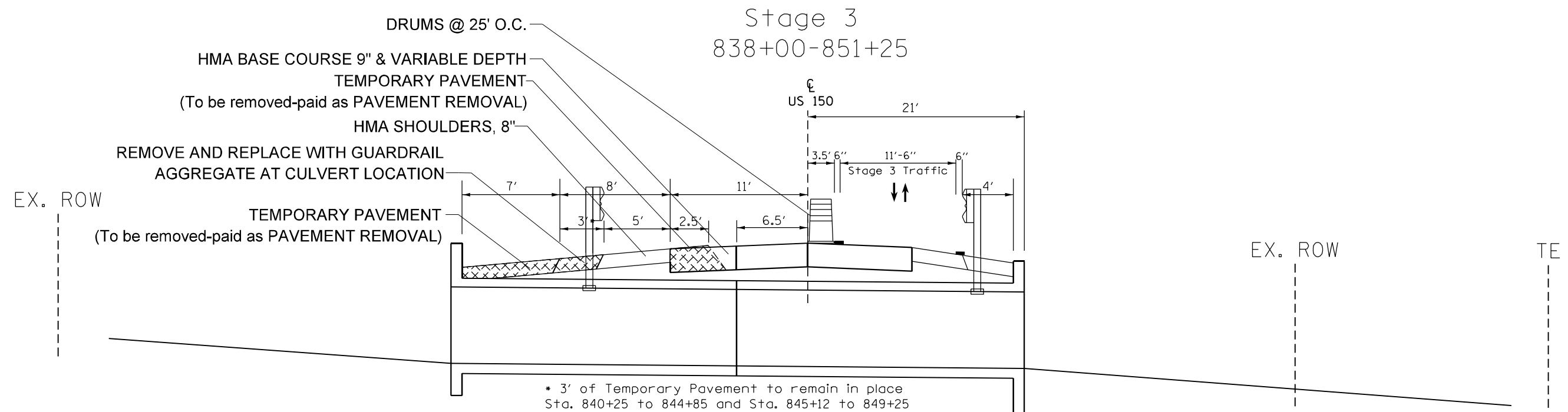
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	35
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

PRE-STAGE I	INSTALL TEMPORARY PAVEMENT ALONG THE SOUTH EOP FROM STA. 839+00 TO 851+00	USE TRAFFIC CONTROL STANDARD 701006, 701306 & 701326
STAGE I	INSTALL NECESSARY TRAFFIC CONTROL PER STAGING PLAN INSTALL TEMPORARY CONCRETE BARRIER AND STRIPING PER STAGING PLAN. REMOVE PAVEMENT FROM STA. 844+72 TO STA. 845+28 COMPLETE NORTH PORTION OF THE PROPOSED STRUCTURE AND EARTHWORK FOR STAGE II TRAFFIC PLACE 8" OF TEMPORARY PAVEMENT AND 8" OF HMA SHOULDER FROM STA. 840+00 TO STA. 851+26 COMPLETE WOODFORD COUNTY ROAD 1850 E SIDEROAD WORK RELOCATE TEMPORARY CONCRETE BARRIER FOR STAGE II TRAFFIC	USE TRAFFIC CONTROL STANDARD 701006, 701321 & BLR 22
STAGE II	REMOVE PAVEMENT FROM STA. 844+72 TO STA. 845+28 AND TEMPORARY WIDENING FROM STA 839+00 TO 851+00 COMPLETE SOUTH PORTION OF THE PROPOSED STRUCTURE AND EARTHWORK PLACE 9" OF PROPOSED HMA BASE COURSE FROM STA. 844+72 TO STA. 845+28 AND 8" HMA SHOULDERS FROM STA 840+00 TO STA. 851+00 INSTALL GUARDRAIL ON SOUTH SIDE OF STRUCTURE REMOVE CONCRETE BARRIER	USE TRAFFIC CONTROL STANDARD 701006 & 701321
STAGE III	REMOVE TEMPORARY WIDENING IN WB LANE STA. 840+00 TO 850+70 AND INSTALL PROPOSED GUARDRAIL ON THE NORTH SIDE AS SHOWN ON THE PLANS REMOVE TEMP WIDENING AT WOODFORD COUNTRY ROAD 1850 E SIDEROAD PLACE 9" OF PROPOSED HMA BASE COURSE IN WB LANE ALL REMAINING EARTHWORK ON NORTH SIDE OF PROJECT TRAFFIC CONTROL STD 701316 SHALL BE USED WHEN CONC BARRIER IS REMOVED. COST IS INCLUDED IN TRAFFIC CONTROL STD 701321 WITH NO ADDITIONAL COMPENSATION.	USE TRAFFIC CONTROL STANDARD 701006, 701011, 701301, 701316 & 701321
STAGE IV	VARIABLE MILL FROM STA 840+20 TO 842+25 AND 849+20 TO 850+80 PLACE SURFACE AND BINDER COURSE COMPLETE PLACING AGGREGATE SHOULDERS AND MISCELLANEOUS EARTHWORK PLACE PROPOSED STRIPING	USE TRAFFIC CONTROL STANDARD 701006, 701011, 701301, 701306, 701311 & 701326



* GUARDRAIL SHALL BE PLACED 2.5" HIGHER TO ACCOMODATE FOR BINDER & SURFACE COURSES

FILE NAME =	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION TYPICALS - LOCATION 2				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4.6801\Drawings\CADsheets\D468D17 2 Culverts\REVISED\wplendgn		DRAWN -	REVISED -		2466	11-CR	WOODFORD	109	38				
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 68D17								
	PLOT DATE = 6/25/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



STAGING NOTES:

1. TRIM ALL JOINTS AT EOP AND CL BY SAWCUTTING OR MILLING PRIOR TO PAVING ADJACENT PAVEMENT, INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.
2. HMA SHOULDERS IN FIRST STAGE CAN BE BUILT SIMULTANEOUSLY WITH TEMPORARY PAVEMENT AS LONG AS ALL PAVEMENT MEETS SPECS FOR HMA SHOULDERS.
3. SURFACE AND BINDER SHALL BE PLACED IN STAGE IV.
4. STAGE 1 AND 2 SHALL BE BUILT USING TRAFFIC CONTROL STANDARD 701321. UPON COMPLETION OF STAGE 2, TRAFFIC CONTROL STANDARD 701316 SHALL BE USED TO COMPLETE CONSTRUCTION OF THIS PROJECT, BUT THE COST IS INCLUDED IN TRAFFIC CONTROL STANDARD 701321 AND SHALL RECEIVE NO ADDITIONAL COMPENSATION .
5. SAWCUTTING TEMPORARY PAVMENT (TO REMAIN IN PLACE) FROM STA. 840+25 TO 844+85 AND 845+12 TO 849+25 SHALL BE INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.

FILE NAME =	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION TYPICALS - LOCATION 2		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/25/2021	DATE -	REVISED -								

LEGEND:



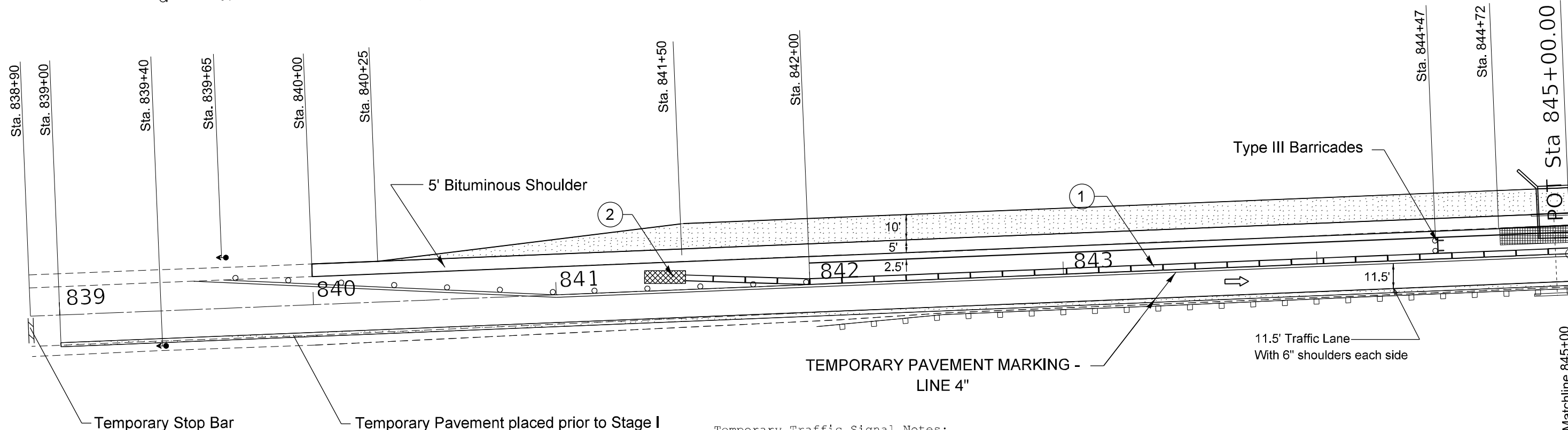
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① **TEMPORARY CONCRETE BARRIER**
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② **IMPACT ATTENUATORS, TEMPORARY**
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Temporary Traffic Signal Notes:

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STANDARD 701321 EXCEPT WHERE MODIFIED ON THIS PLAN SHEET.
2. THREE PHASE SIGNAL OPERATION IS REQUIRED. THE ENGINEER OF TRAFFIC SHALL APPROVE ALL TIMING PARAMETERS. THE CONTRACTOR SHALL CONTACT TONY BRIDSON, DISTRICT 4 TRAFFIC SIGNAL TECHNICIAN, AT (309) 370-7522, FORTY-EIGHT HOURS PRIOR TO SIGNAL TURN ON.
3. THE CONTRACTOR SHALL INSTALL EITHER DETECTOR LOOPS OR MICROWAVE DETECTORS FOR USE WITH THE TEMPORARY TRAFFIC SIGNALS IN ACCORDANCE WITH HIGHWAY STANDARD 701321.
4. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" DIAMETER LED LENSES.
5. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AT THE LOCATIONS INDICATED ON THE PLAN SHEETS OR DIRECTED BY THE ENGINEER.
6. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL MUTCD REQUIREMENTS.
7. ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS AND PLAN SHEET DETAILS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE TEMPORARY BRIDGE SIGNAL INSTALLATION. THERE WILL BE NO ADDITIONAL COMPENSATION.
8. A MINIMUM OF 2 SIGNAL HEADS ARE REQUIRED PER APPROACH.
9. THE SIGNAL TIMING/PHASING FOR THE SIDE STREET (CR 1850 E.) SHALL BE PROGRAMMED TO MINIMIZE DELAY AT THE OTHER PHASES. THIS WILL REQUIRE THE SIDE STREET TO SHARE THE CLEARANCE TIME WITH THE WB THROUGH PHASE.

Note:

Before Stage I construction begins, Temporary Pavement will be placed at at the EOP on the right shoulder.

Stage 1 Construction
838+90 - 853+00

FILE NAME =	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION PLAN - LOCATION 2	F.A.S. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
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PLOT DATE = 6/25/2021						ILLINOIS FED. AID PROJECT				

LEGEND:



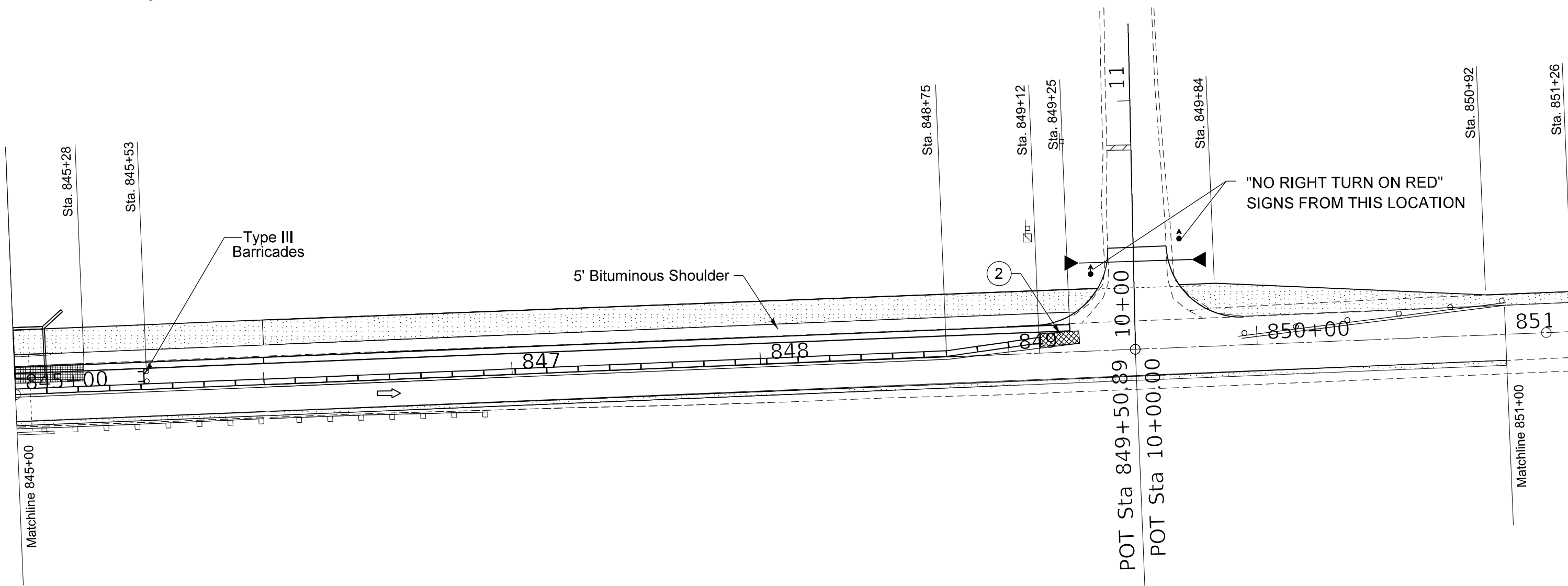
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 1 Construction
838+90 - 853+00

FILE NAME =	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION PLAN - LOCATION 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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LEGEND:



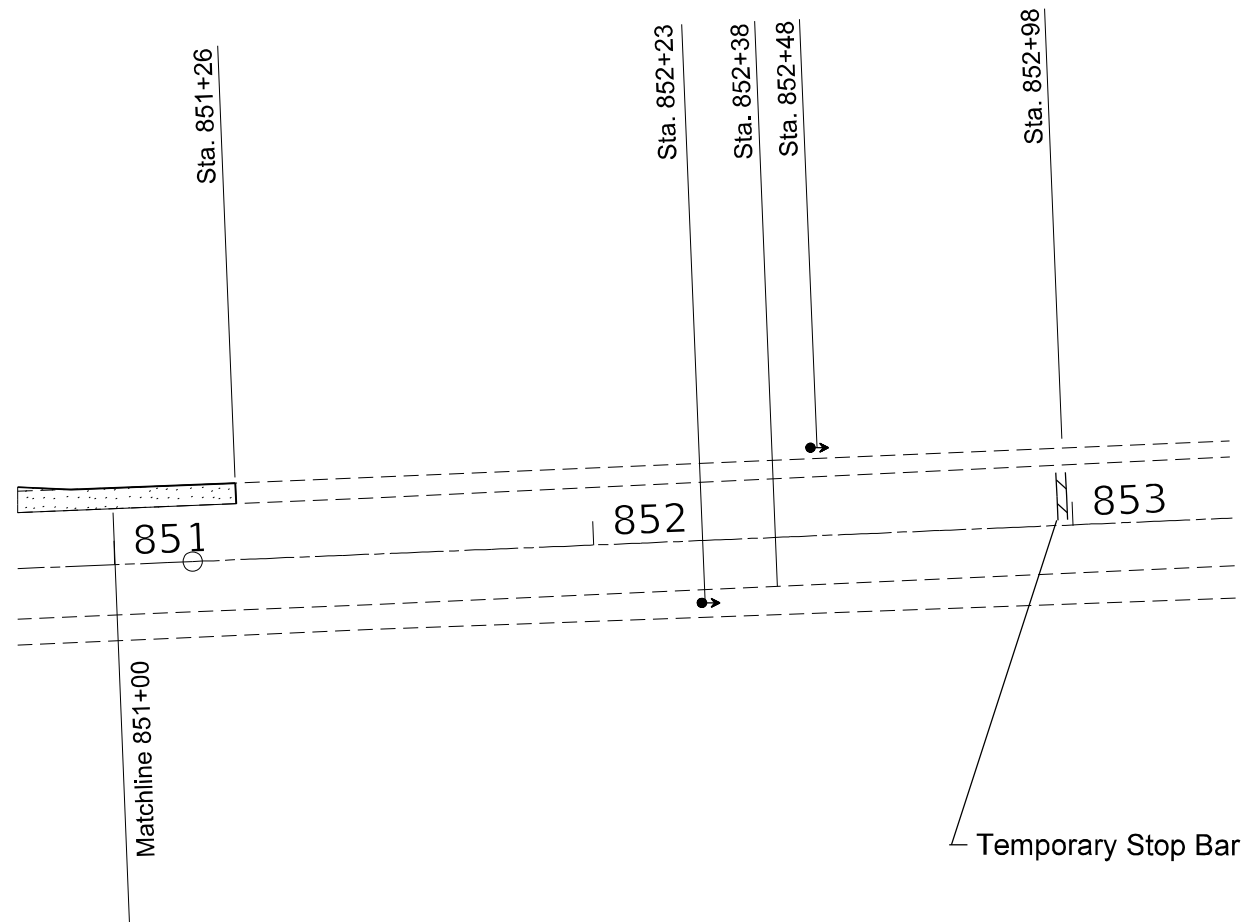
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 1 Construction
838+90 - 853+00

FILE NAME =	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION PLAN - LOCATION 2			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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LEGEND:



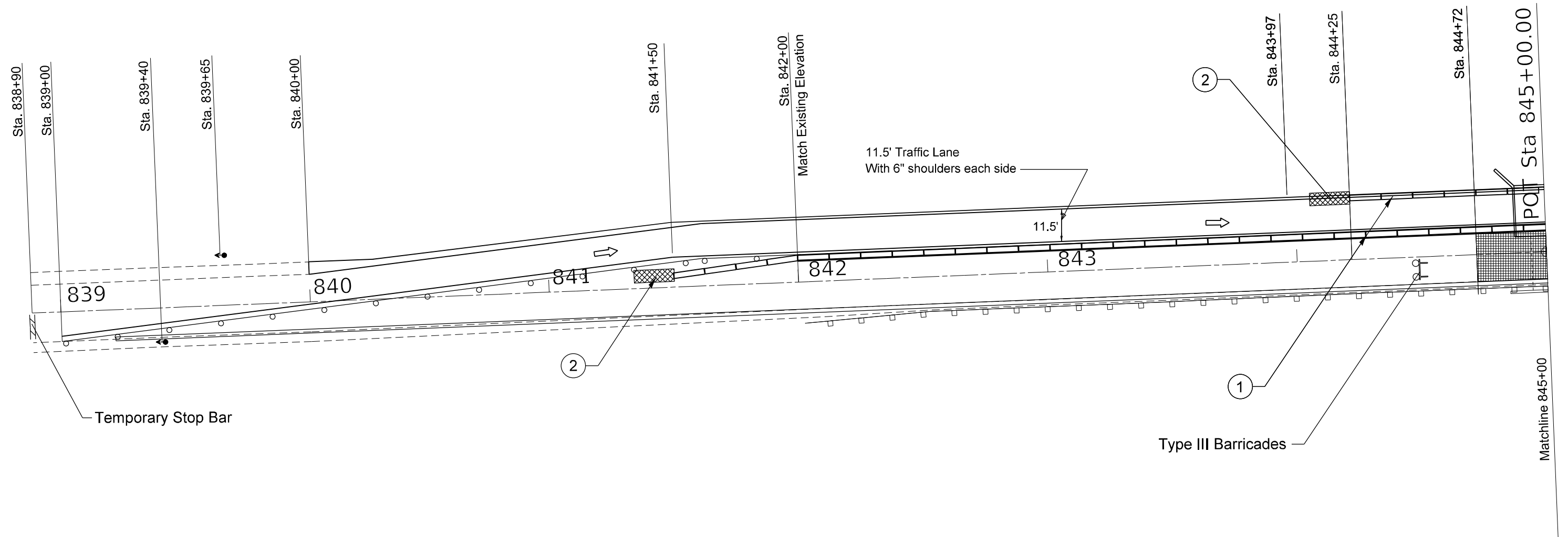
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 2 Construction
838+90 - 853+00

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PLOT DATE = 6/25/2021	DATE -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II CONSTRUCTION PLAN - LOCATION 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	43
CONTRACT NO. 68D17			ILLINOIS FED. AID PROJECT	

LEGEND:



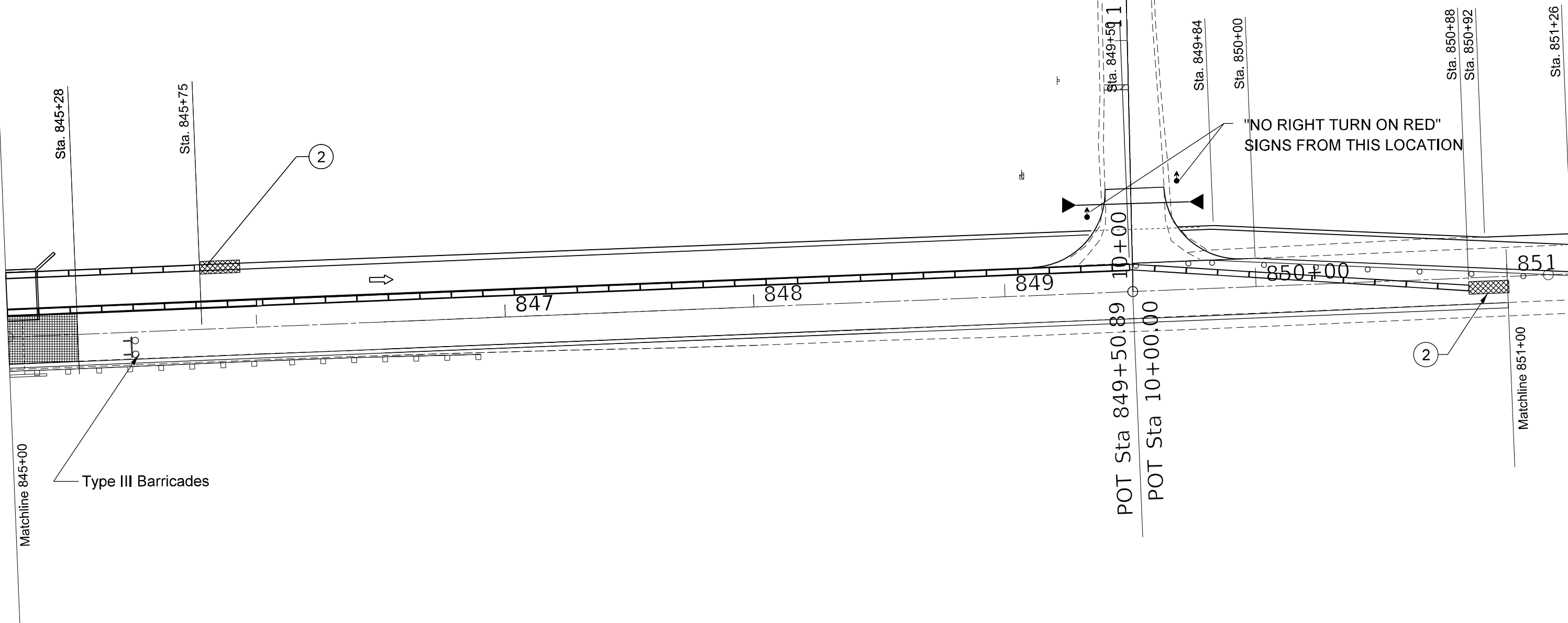
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 2 Construction
838+90 - 853+00

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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**









STAGE II CONSTRUCTION PLAN - LOCATION 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 44
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				



LEGEND:

-  Temporary Pavement
-  Pavement Removal
-  Construction this Stage
-  Drum with steady burning light, 50' c.c.
-  Temporary Concrete Barrier
-  Traffic Signal & Vehicle Detector Unit
-  Open Traffic Lane
-  Type III Barricade with flashing lights

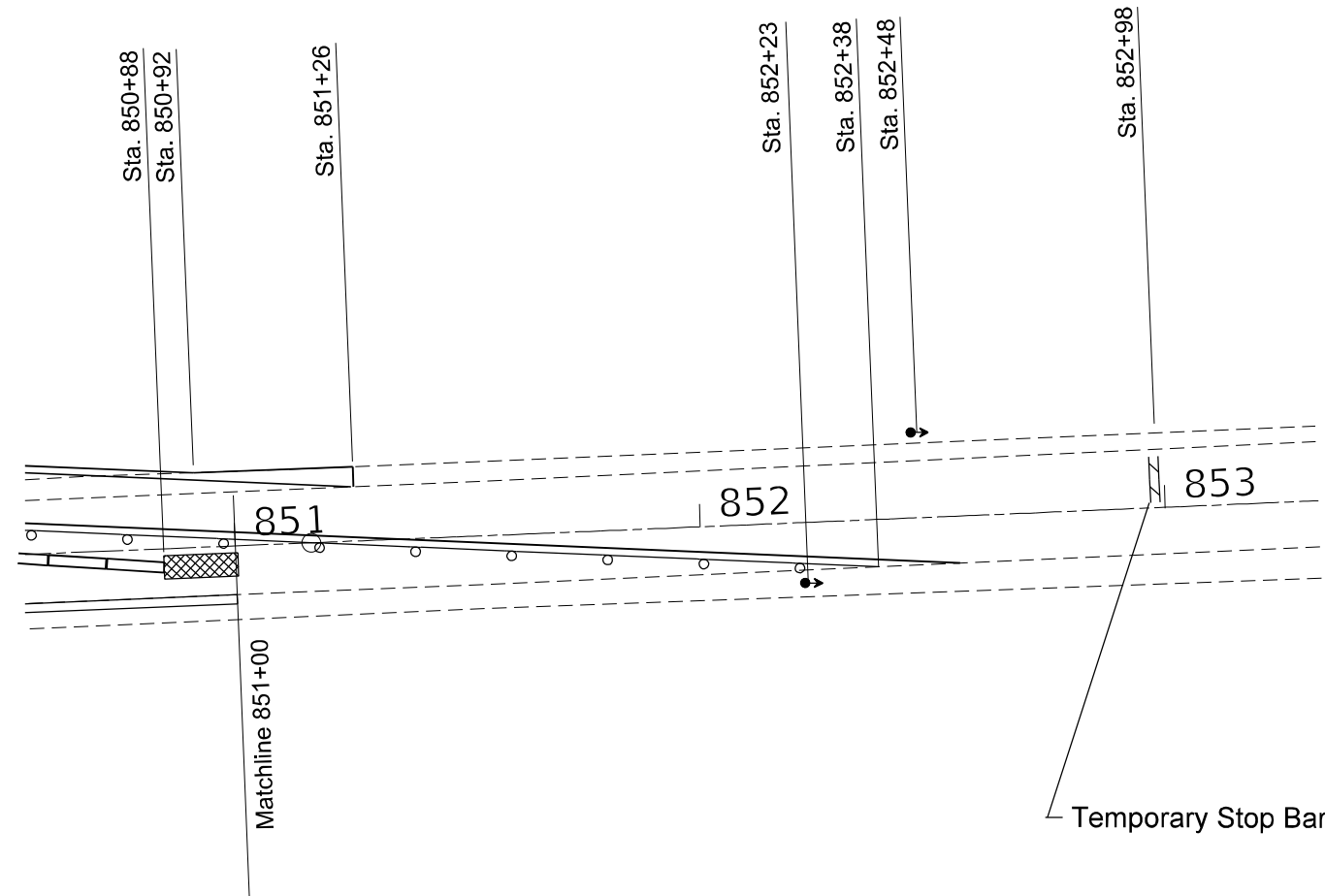
- ① **TEMPORARY CONCRETE BARRIER**
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.

- ② **IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3**

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 2 Construction
838+90 - 853+00

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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II CONSTRUCTION PLAN - LOCATION 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	45
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND:



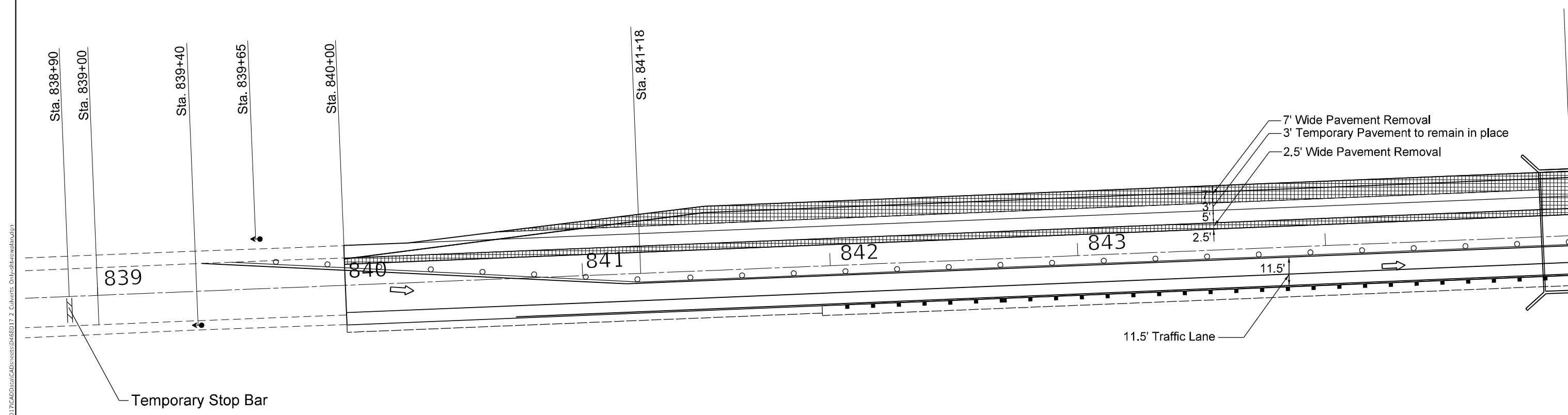
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 3 Construction
838+90 - 853+00

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USER NAME = everscl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE III CONSTRUCTION PLAN - LOCATION 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	46
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

LEGEND:



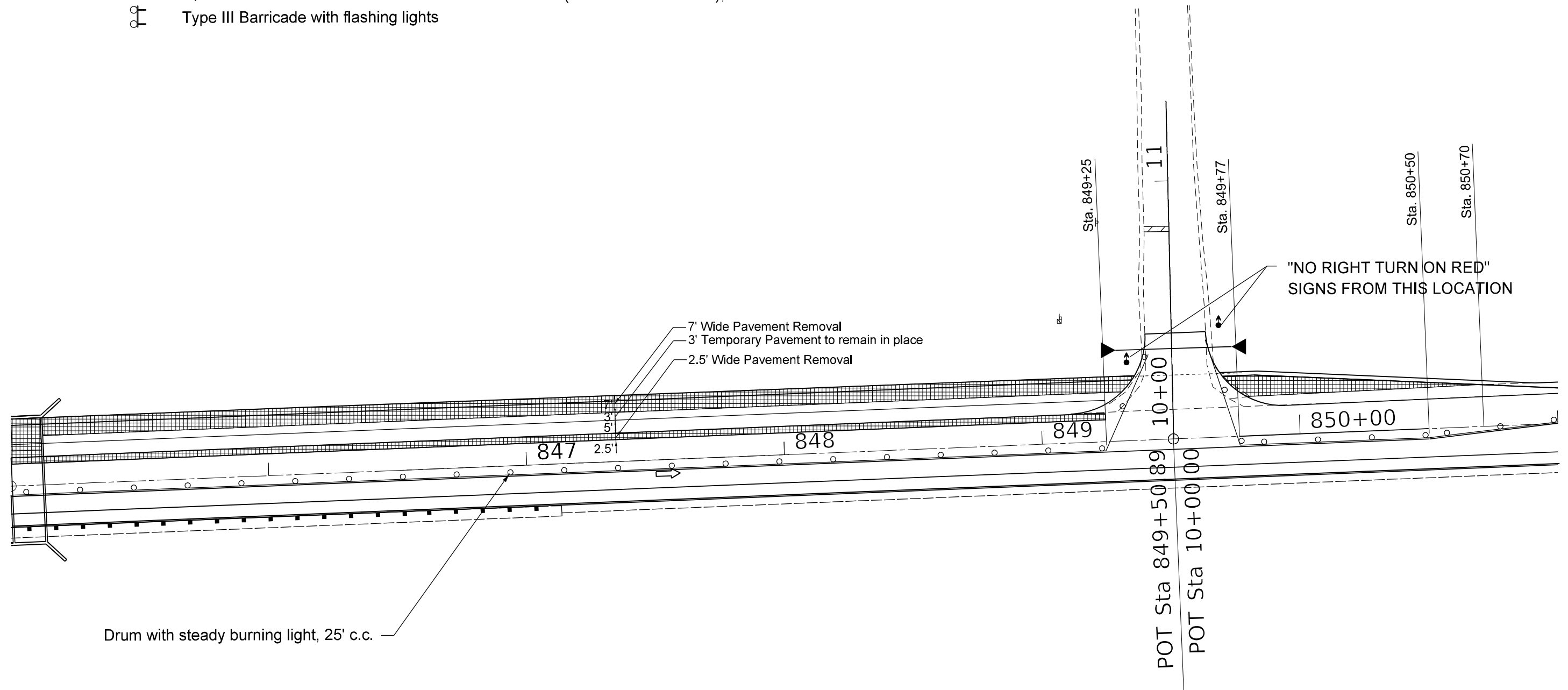
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Drum with steady burning light, 25' c.c.

Stage 3 Construction
838+90 - 853+00

MODEL: Default
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE III CONSTRUCTION PLAN - LOCATION 2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



LEGEND:

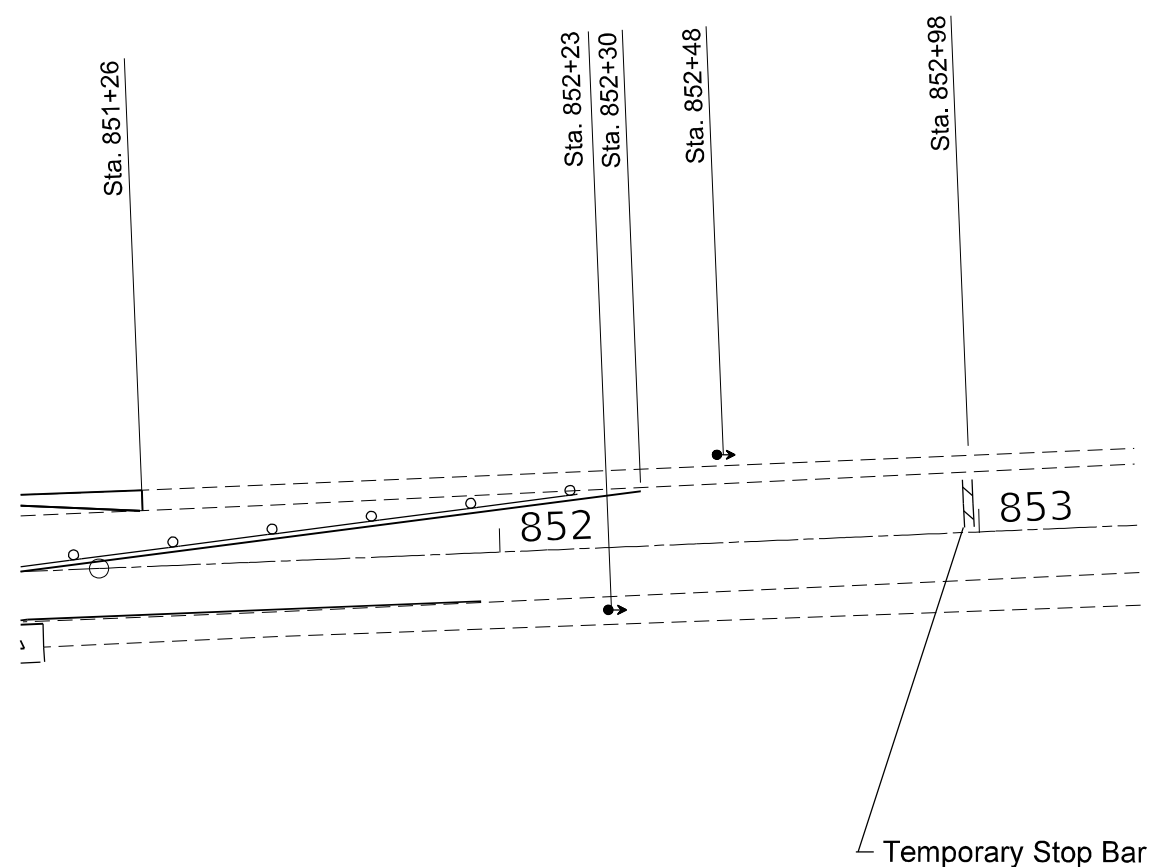
- Temporary Pavement
- Pavement Removal
- Construction this Stage
- Drum with steady burning light, 50' c.c.
- Temporary Concrete Barrier
- Traffic Signal & Vehicle Detector Unit
- Open Traffic Lane
- Type III Barricade with flashing lights

- ① TEMPORARY CONCRETE BARRIER
Barrier wall markers
at 25' cts. See Standards
704001 & 782006.
- ② IMPACT ATTENUATORS, TEMPORARY
(NON-REDIRECTIVE), TEST LEVEL 3

GENERAL NOTES:

Advisory speed limit shall be 30 mph.

Existing or temporary pavement markings shall be on both sides of open lane.



Stage 3 Construction
838+90 - 853+00

MODEL: Default
 FILE NAME: p:\pub\mroom.dwt\illinois.gov\PWDOT\Documents\DOT_Offices\District_4\Projects\ID4_68D17\CADD\Drawings\Drawings\68D17_2_Culverts_Construction\68D17_2.dwg

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE III CONSTRUCTION PLAN - LOCATION 2

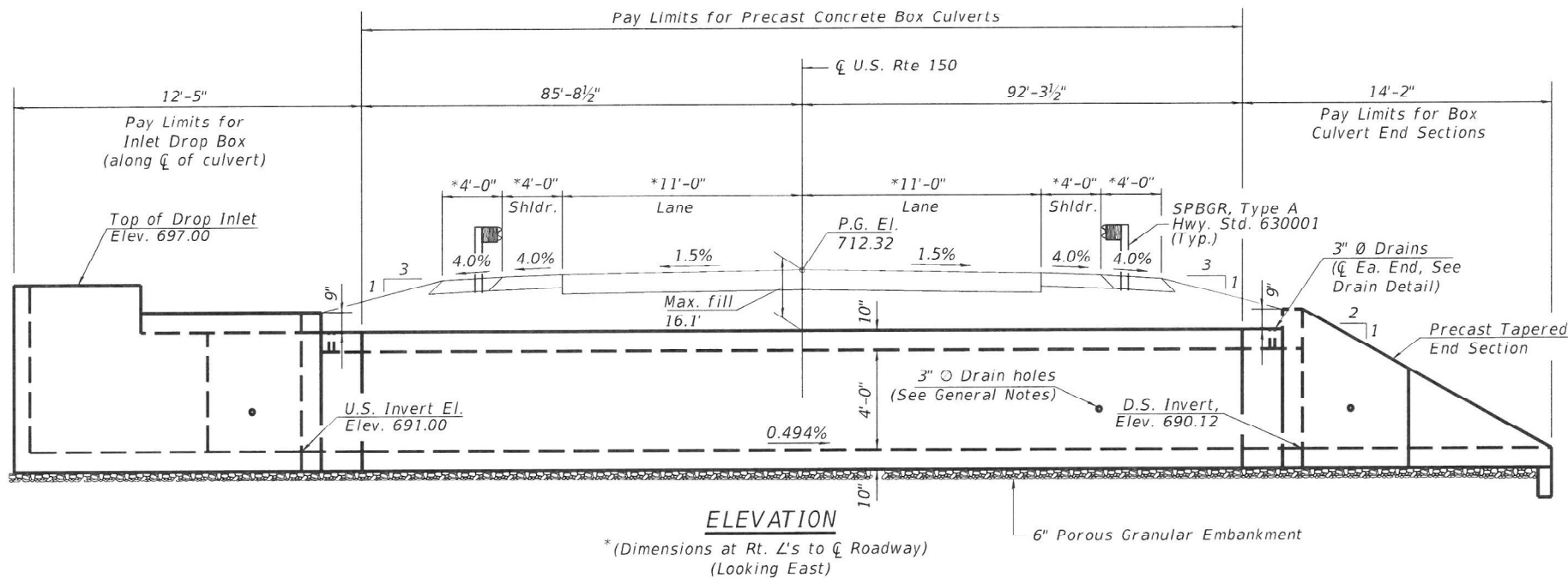
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	48
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled square on top of E end the south concrete retaining wall over culvert.
Elevation 732.86 @ plan station 845+13, 15' Rt

Existing Structure: Cast in Place concrete box culvert (5'x4') with cast in place wingwalls.
Traffic to be detoured during construction.

No Salvage



ELEVATION
(Dimensions at Rt. L's to C Roadway)
(Looking East)

INDEX OF SHEETS

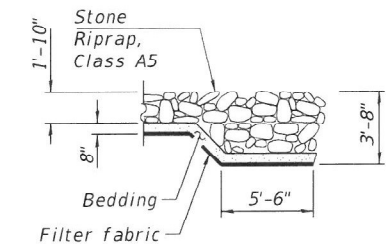
1. General Plan and Elevation
2. General Data
3. Drop Inlet Details
4. Drop Inlet Details
5. Single Cell Precast Box Culvert Tapered End Sections
6. Single Cell Precast Box Culvert Tapered End Sections
7. Pipe Handrail Details
8. Excavation and Backfill For Box Culvert Details
9. Soil Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	330
Removal of Existing Structures No. 1	Each	1
Structure Excavation	Cu. Yd.	2,616
Reinforcement Bars, Epoxy Coated	Pound	1,650
Pipe Handrail	Foot	26
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	1
Concrete Box Culverts	Cu. Yd.	8.1
Precast Concrete Box Culverts, 6'x4'	Foot	178

STATION 1052+32.88
BUILT 20__ BY
STATE OF ILLINOIS
F.A.S. RT. 2466 SEC. 11-CR
LOADING HL-93
STR. NO. 102-2503

NAME PLATE
(Std. 515001)



RIPRAP FLANK DETAIL
(See Roadway Plans)

APPROVED
For Structural Adequacy Only
Chris Vollmer
Engineer of Bridges & Structures



CHRIS VOLLMER, P.E.
ILLINOIS PROFESSIONAL NO. 062-058060
EXPIRES: NOVEMBER 30, 2021

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 interims

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

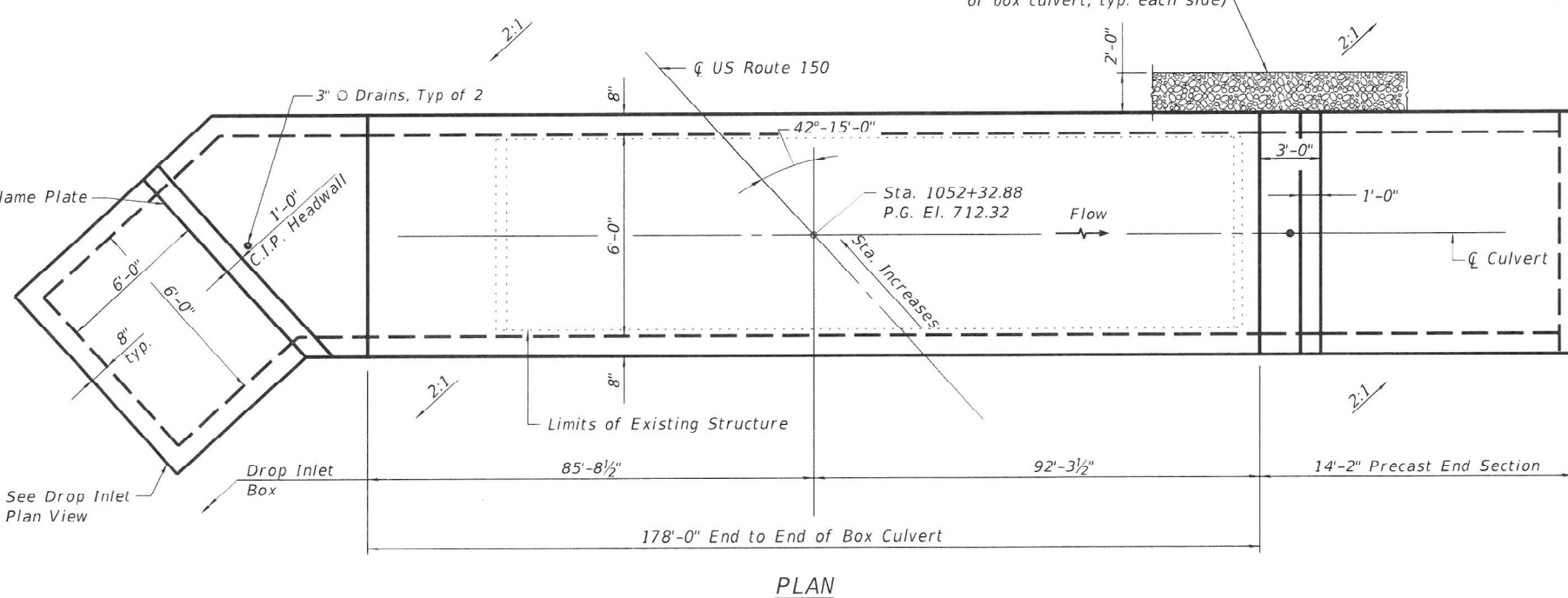
DESIGN STRESSES

PRECAST UNITS

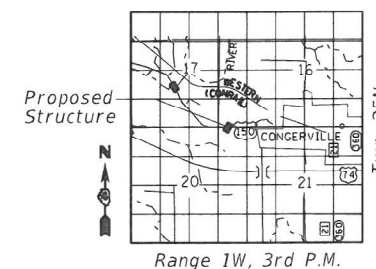
f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

FIELD UNITS

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



PLAN



LOCATION SKETCH

GENERAL PLAN & ELEVATION
U.S. ROUTE 150 OVER DITCH
F.A.S. RTE. 2466 - SECTION 11-CR
WOODFORD COUNTY
STATION 1052+32.88
STRUCTURE NO. 102-2503

MODEL: \$MODELNAME\$ FILE NAME: X:\Projects\Current\192-3310 IDOT D4 WO 7 US 150 Inlet-Culvert Design\Drawings\PLANS\10468D17-3310-001-GP.dgn 7/22/2021 3:12:01 PM

HR Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 194-3189

USER NAME =	DESIGNED - CMV	REVISED -
PLOT SCALE =	CHECKED - CJC	REVISED -
PLOT DATE = 1/5/2021	DRAWN - BP	REVISED -
	CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 102-2503
SHEET 1 OF 9

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	50
ILLINOIS FED. AID PROJECT CONTRACT NO. 68D17				

GENERAL NOTES

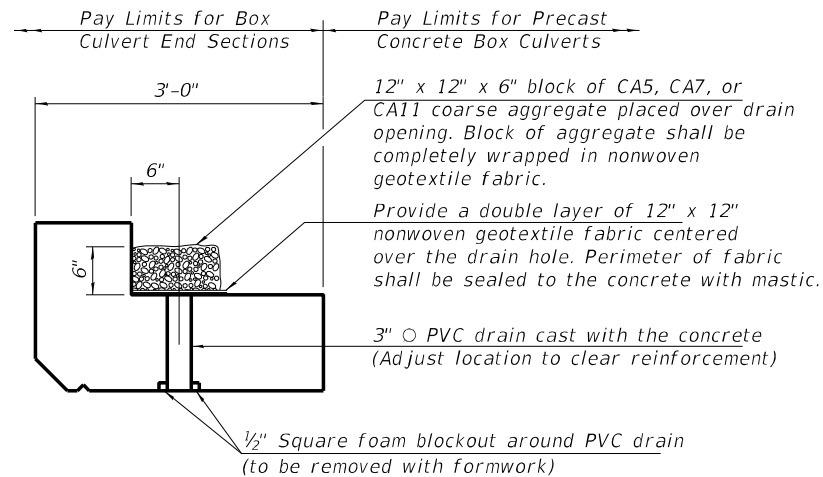
The design fill height for this box is 17.05 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

The 6 in. thick layer of porous granular embankment required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular embankment will not be paid for separately but shall be included in the unit price of the work for which it is required.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

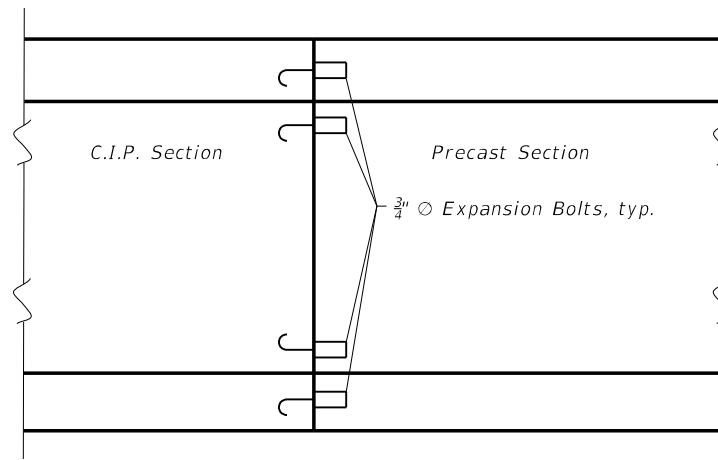
Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.



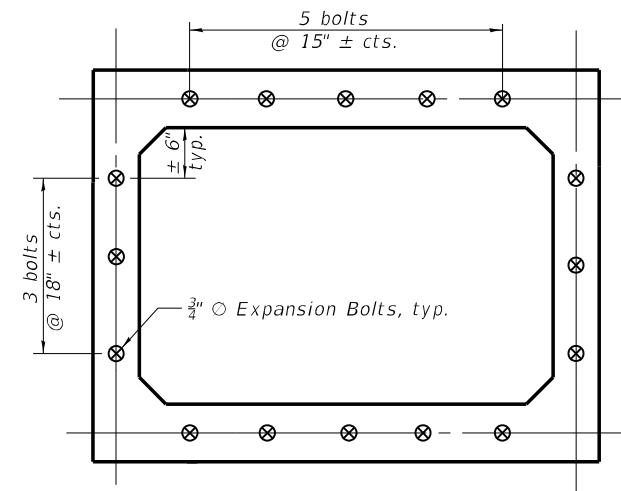
DRAIN DETAIL

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

The same detail and dimensions shall also apply to the cast-in-place drop inlet end of the proposed box culvert.



LONGITUNDINAL SECTION



SECTION THRU BARREL

EXPANSION BOLT LAYOUT

(16 Total)

Notes:

- Expansion Bolts shall be 3/4" diameter hooked bolts and shall be hot dip galvanized.
- Hooked bolts shall extend a minimum of 9" into new concrete.
- Contractor may elect to install expansion bolts as part of the precast section, or install them in the field per Article 540 of the Standard Specifications.
- Expansion Bolts shall not be paid for separately, but shall be included in the cost of Precast Concrete Box Culvert, 6'x4'.

MODEL: \$MODELNAME\$
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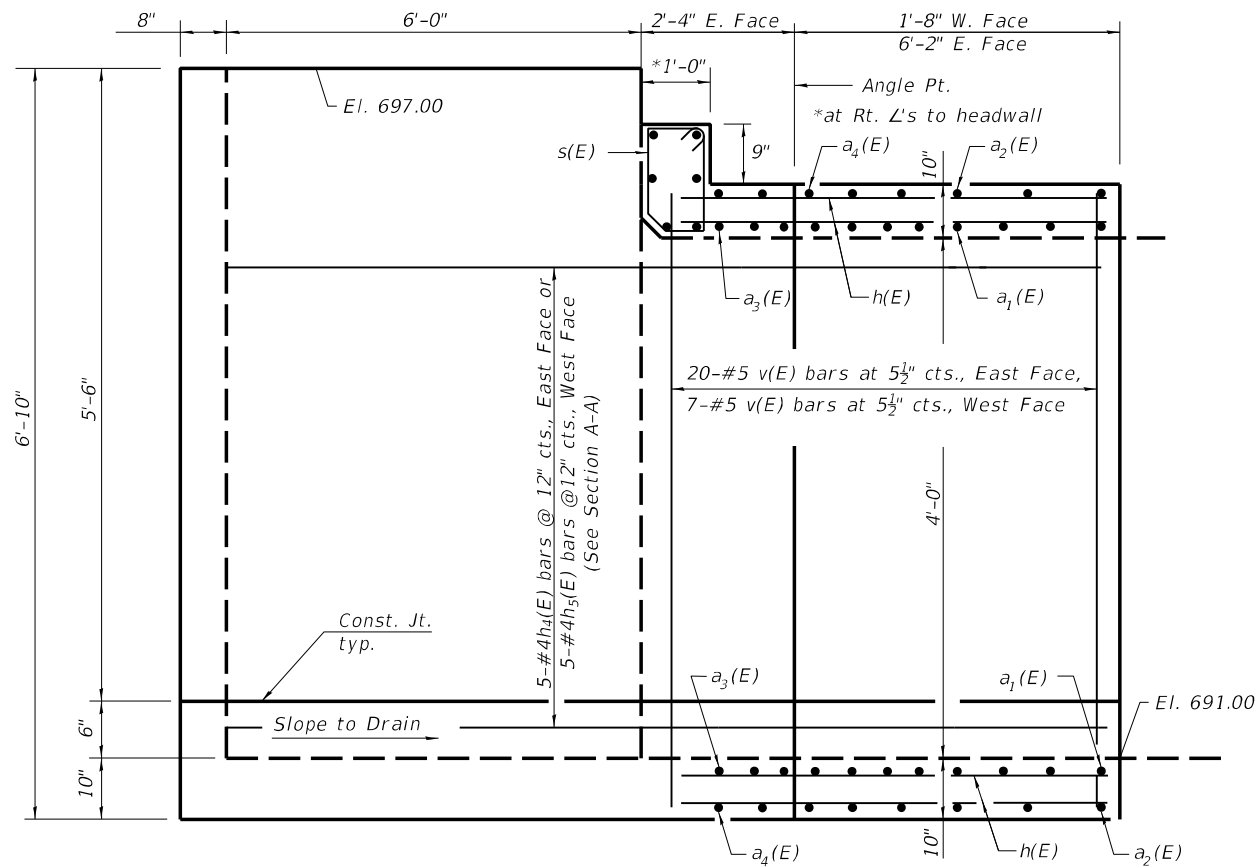
HR
Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 194-3189

USER NAME =	DESIGNED - CMV	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE =	DRAWN - BP	REVISED -
PLOT DATE = 12/16/2020	CHECKED - CJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

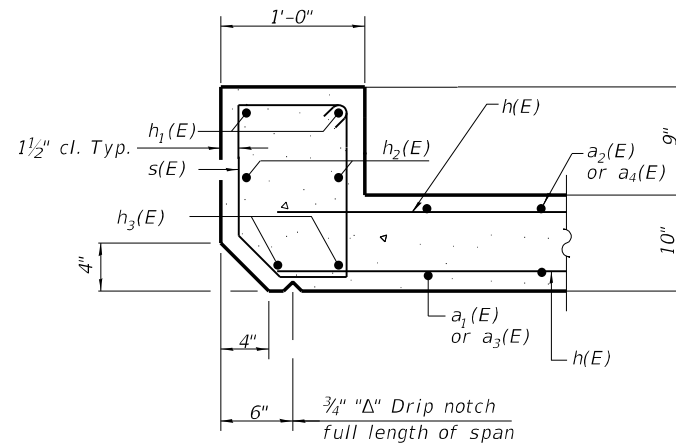
**GENERAL DATA
STRUCTURE NO. 102-2503**

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 51
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				



All edges shall receive 3/4" chamfer unless otherwise noted.

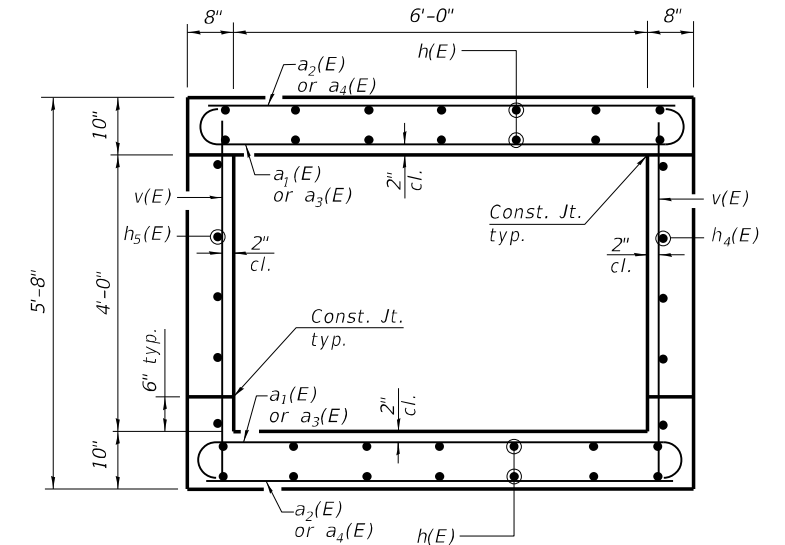
ELEVATION
(Showing Headwall, Top & Bottom Slab Reinforcement)



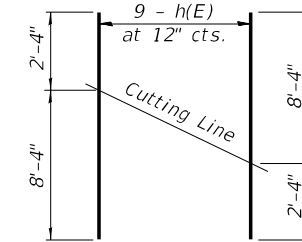
SECTION B-B

MINIMUM BAR LAP

#4 Bar = 2'-4"



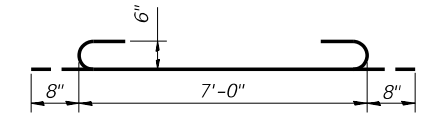
SECTION A-A



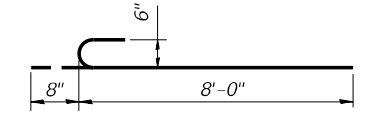
BAR h(E)

(2 Sets each)

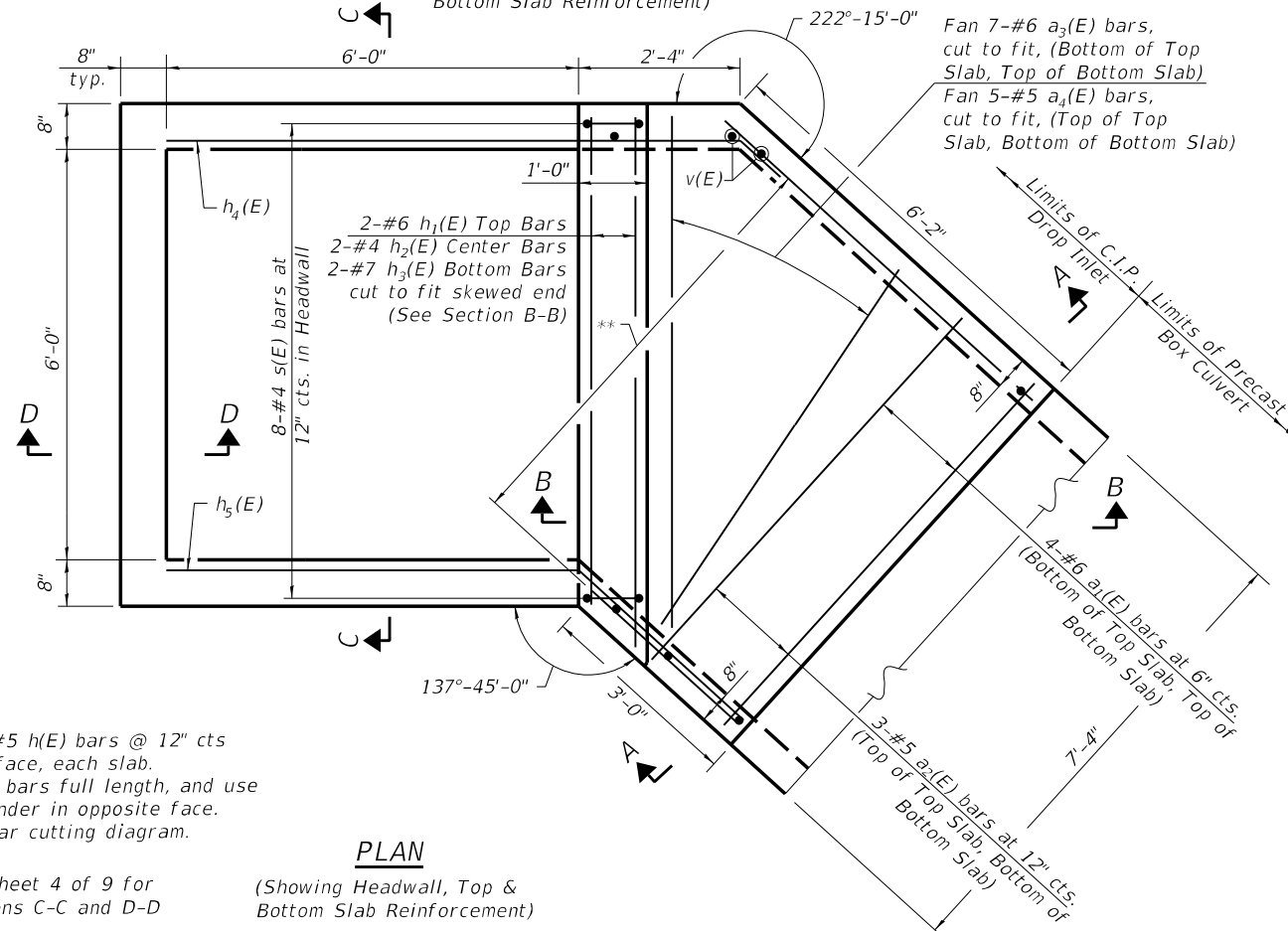
Order bars full length and cut as shown. Use resulting bars in opposite face.



BAR a1(E)



BAR a3(E)

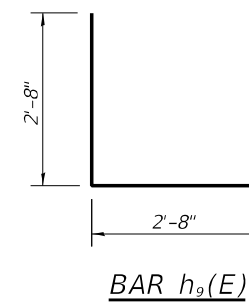


PLAN

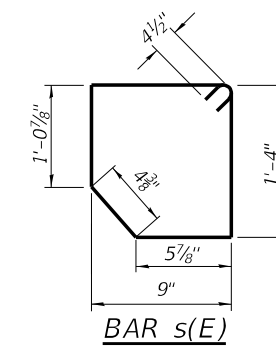
(Showing Headwall, Top & Bottom Slab Reinforcement)

** 9-#5 h(E) bars @ 12" cts each face, each slab. Order bars full length, and use remainder in opposite face. See bar cutting diagram.

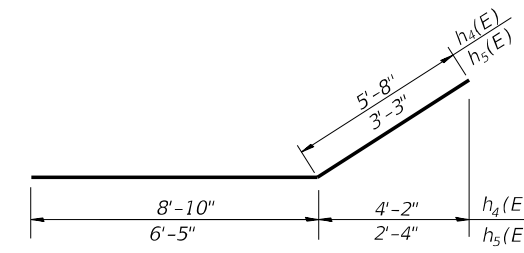
See sheet 4 of 9 for Sections C-C and D-D



BAR h9(E)



BAR s(E)



BARS h4(E) & h5(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	19	#6	8'-4"	U
a2(E)	13	#5	7'-0"	—
a3(E)	14	#6	8'-8"	U
a4(E)	10	#5	8'-0"	—
h(E)	18	#5	10'-8"	—
h1(E)	2	#6	7'-11"	—
h2(E)	2	#4	7'-11"	—
h3(E)	2	#7	7'-11"	—
h4(E)	5	#4	14'-6"	—
h5(E)	5	#4	9'-8"	—
h6(E)	18	#5	6'-4"	—
h7(E)	4	#4	6'-2"	—
h8(E)	7	#4	6'-0"	—
h9(E)	14	#4	5'-4"	L
s(E)	8	#4	5'-10"	□
v(E)	27	#5	5'-4"	—
v1(E)	45	#5	6'-6"	—
Concrete Box Culverts			Cu. Yd.	8.1
Reinforcement Bars, Epoxy Coated			Pound	1,650

Note: h1(E), s1(E) and v1(E) bars shown on sheet 55 of 109.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DROP INLET DETAILS
STRUCTURE NO. 102-2503

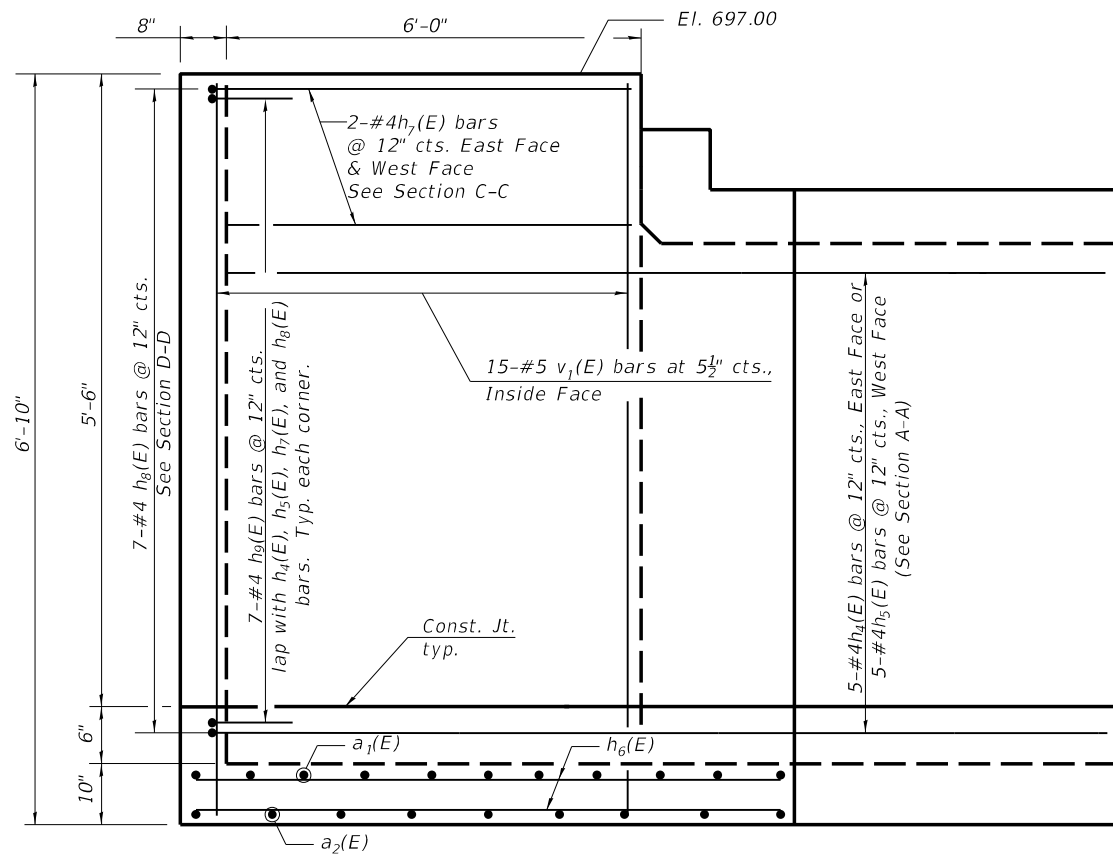
SHEET 3 OF 9 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

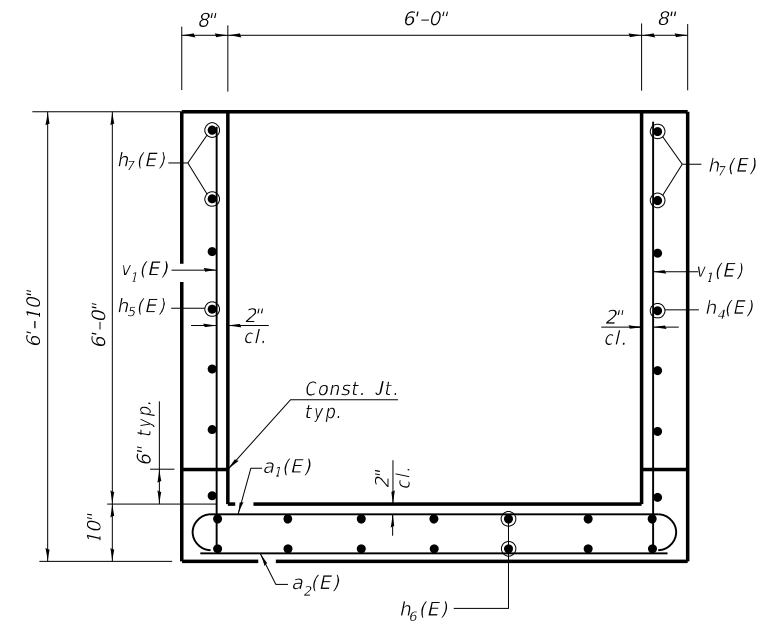
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HR
Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 194-3189

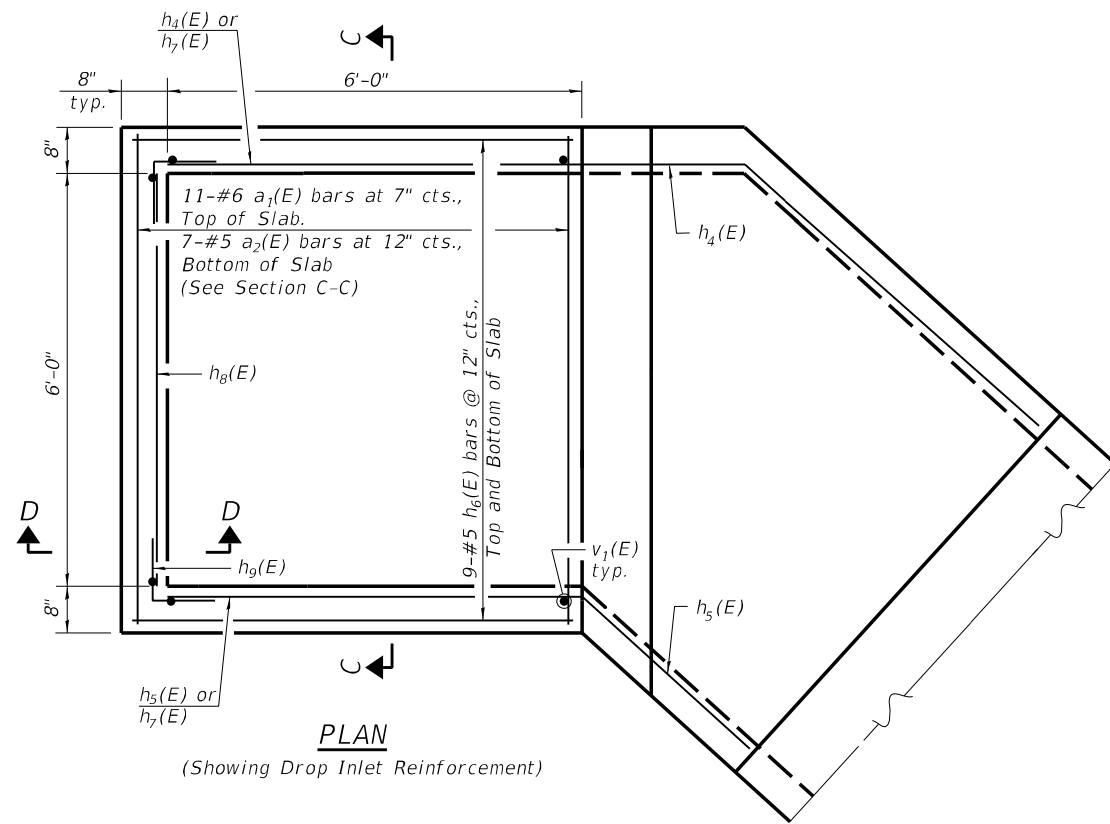
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CMV	CMV	-
CJC	CJC	-
BP	BP	-
CMV	CMV	-



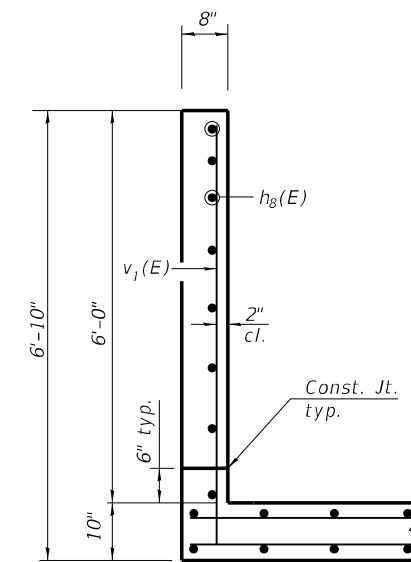
ELEVATION
(Showing Drop Inlet Reinforcement)



SECTION C-C



PLAN
(Showing Drop Inlet Reinforcement)



SECTION D-D

MODEL: \$MODELNAME\$
FILE NAME: X:\Projects\Current\192-3310 IDOT D4 WO 7 US 150 Inlet-Culvert Design\Drawings\FINAL PLANS\192-3310-004-DROP INLET DETAILS.dgn



USER NAME =	DESIGNED - CMV	REVISED -
PLOT SCALE =	CHECKED - CJC	REVISED -
PLOT DATE = 1/5/2021	DRAWN - BP	REVISED -
	CHECKED - CMV	REVISED -

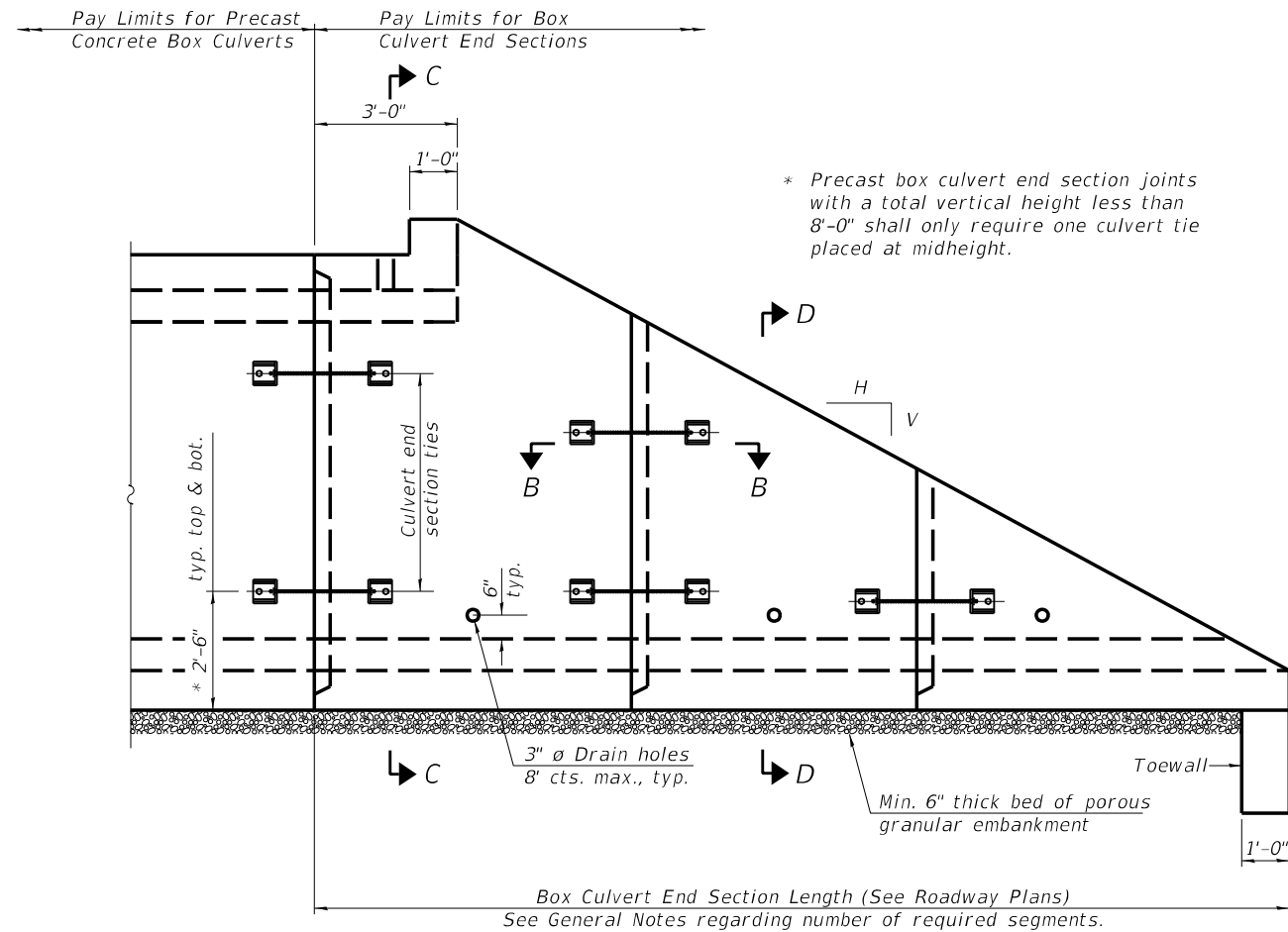
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DROP INLET DETAILS
STRUCTURE NO. 102-2503

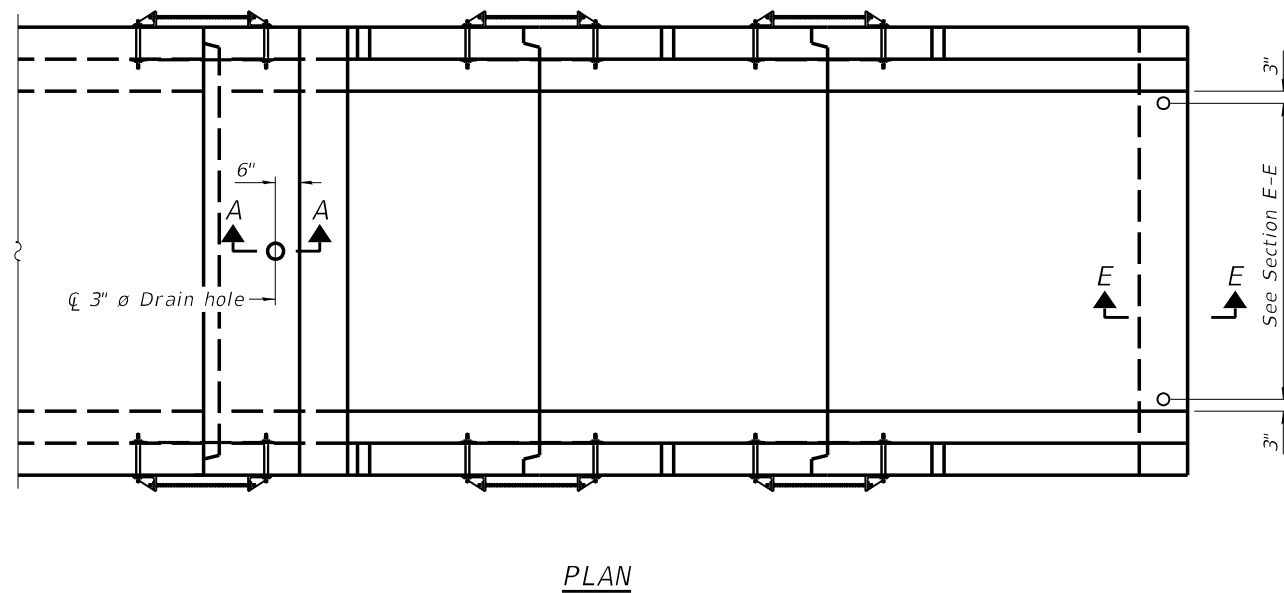
SHEET 4 OF 9 SHEETS

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 53
CONTRACT NO. 68D17				

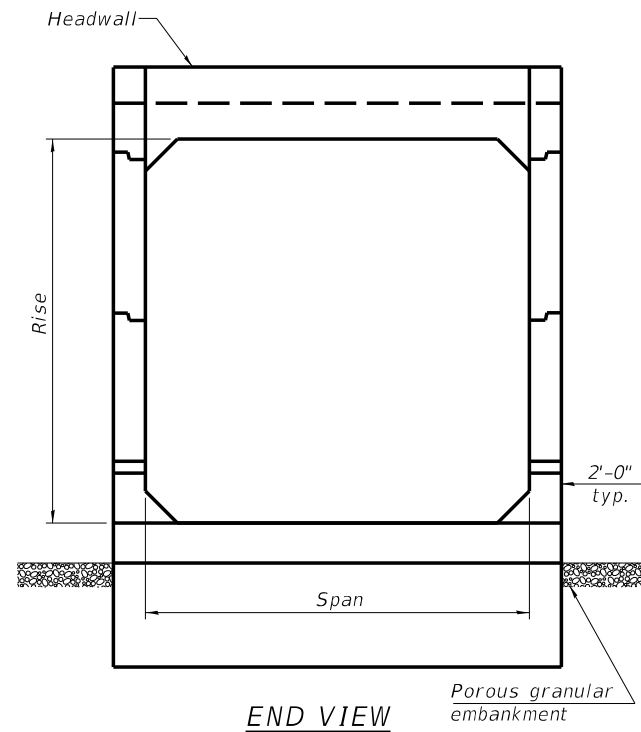
ILLINOIS FED. AID PROJECT



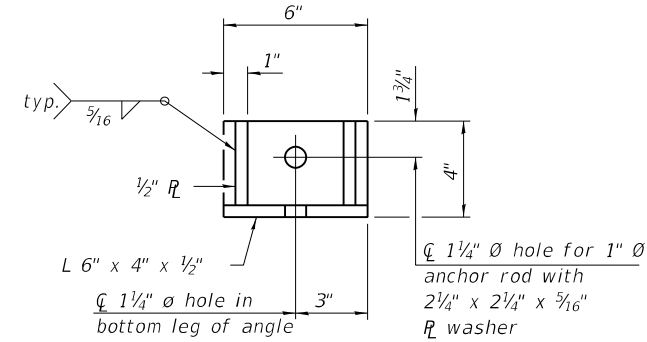
ELEVATION



PLAN



END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.) (Sheet 1 of 2)

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

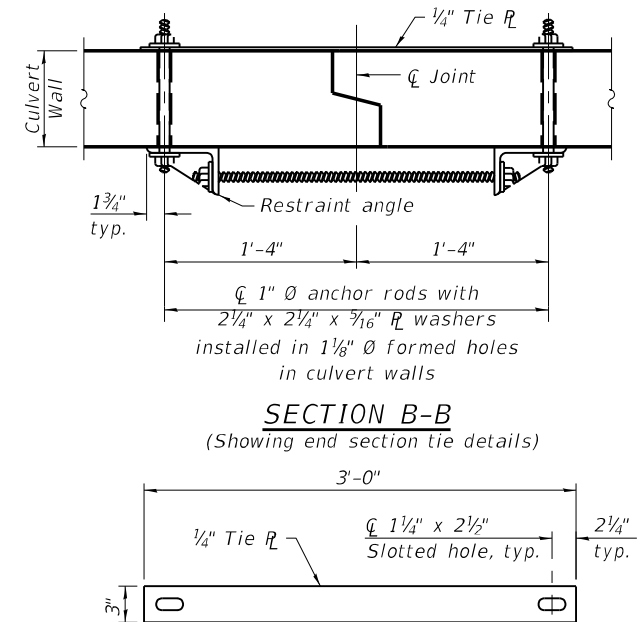
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd.

For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



SECTION B-B (Showing end section tie details)

TIE PLATE DETAIL

MODEL: \$MODELNAME\$
FILE NAME: X:\Projects\Current\192-3310 IDOT D4 WO 7 US 150 Inlet-Culvert Design\Drawings\FINAL PLANS\192-3310-005-SCB-TES-10F2.dgn

SCB-TES

10-15-2016

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1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 194-3189

USER NAME =	DESIGNED - CMV	REVISIONS
PLOT SCALE =	CHECKED - CJC	REVISIONS
PLOT DATE = 1/5/2021	DRAWN - BP	REVISIONS
	CHECKED - CMV	REVISIONS

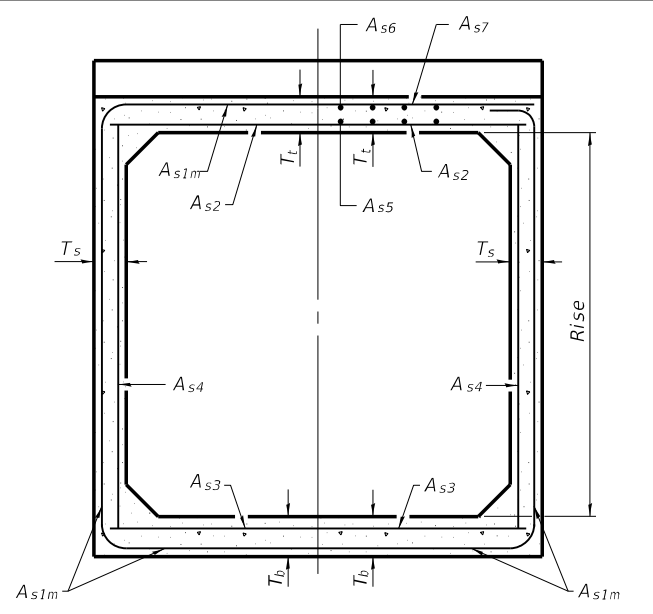
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS
STRUCTURE NO. 102-2503**

SHEET 5 OF 9 SHEETS

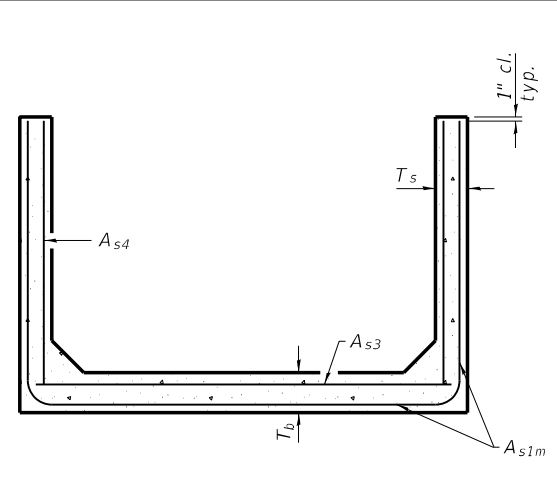
F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 54
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
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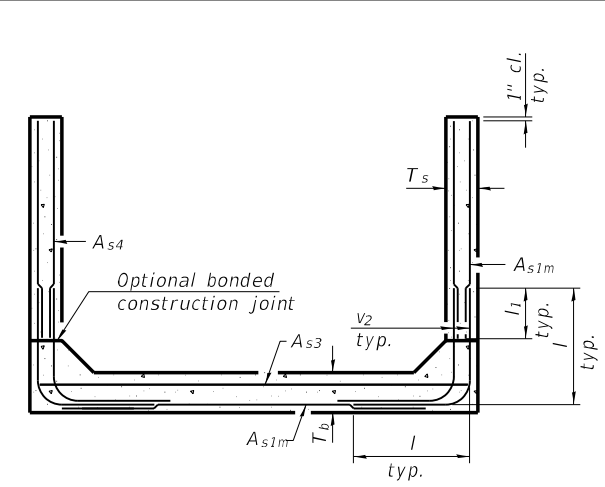


(Design Earth Cover \geq 2 ft) (Design Earth Cover < 2 ft)

SECTION C-C



SECTION D-D



ALTERNATE SECTION D-D

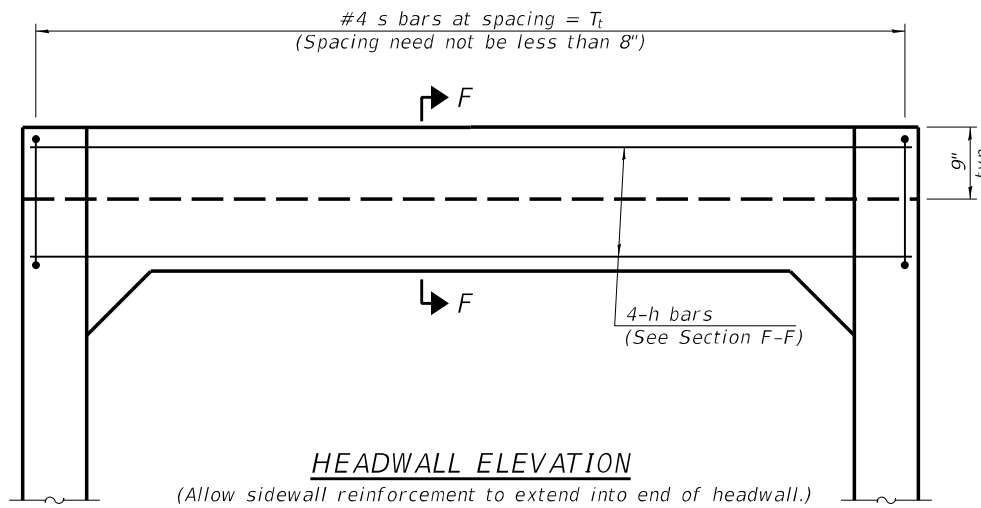
A_{s1m} REINFORCEMENT											
(in ² / ft)											
Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6	0.22	0.26	0.23	0.22							
7	0.25	0.33	0.59	0.27	0.28						
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40				
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48			
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56		
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75

(A_{s1m} reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

I_1 DIMENSION

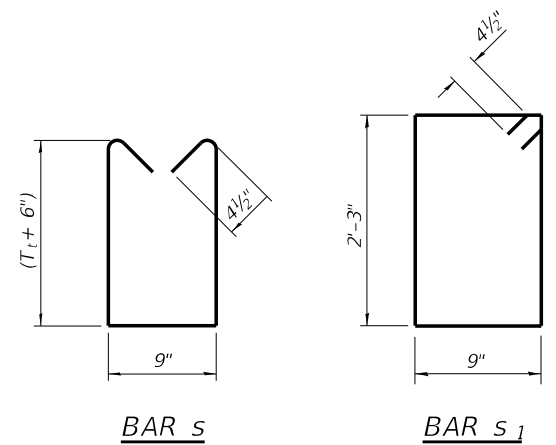
- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

Notes:
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.
 The size and spacing of the v_2 bars shall provide a minimum reinforcement area along each face of the walls (in. /ft²) equal to $1.10^*(A_{s1m})$. v_2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.



HEADWALL ELEVATION

(Allow sidewall reinforcement to extend into end of headwall.)



BAR S

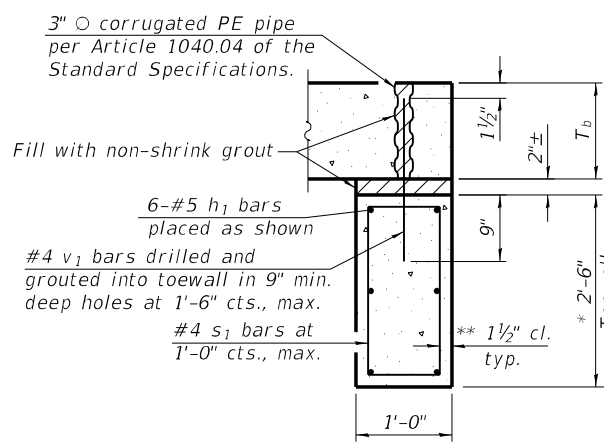
BAR S1

TOEWALL CONSTRUCTION SEQUENCE

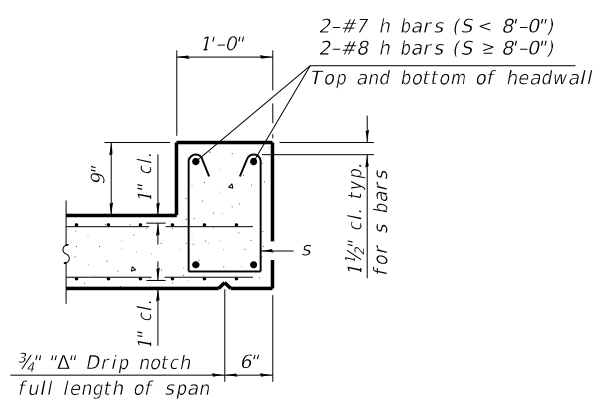
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION E-E



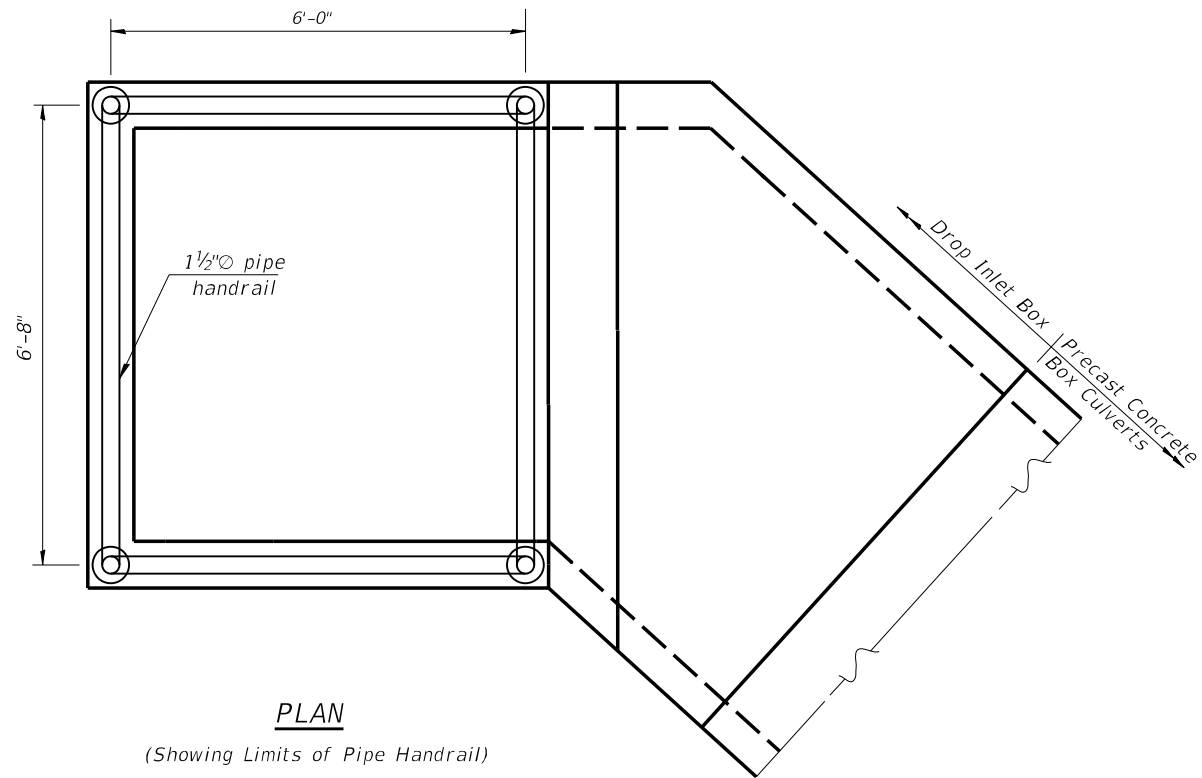
SECTION F-F

SCB-TES

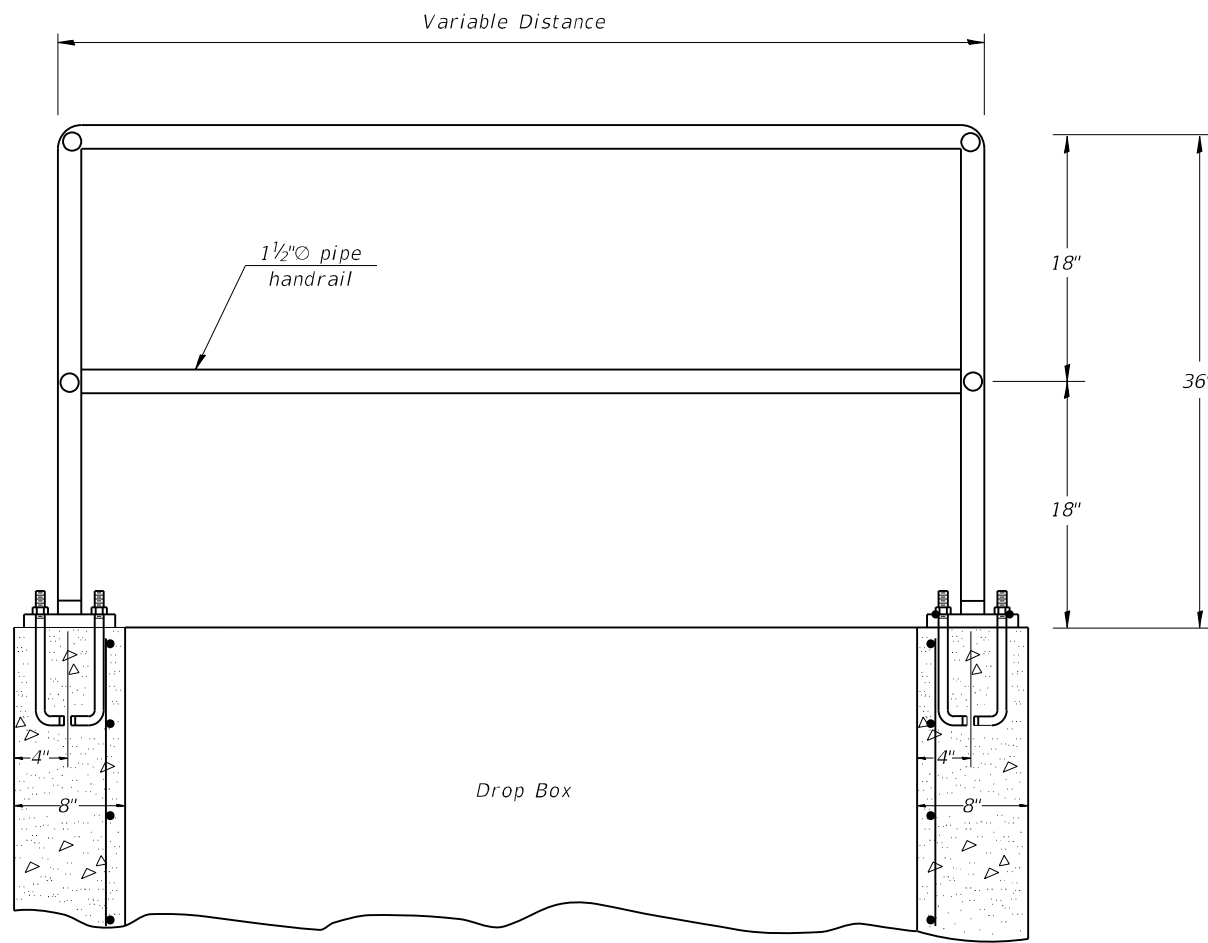
10-15-2016

(Sheet 2 of 2)

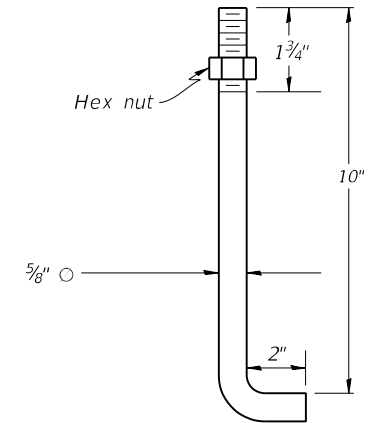
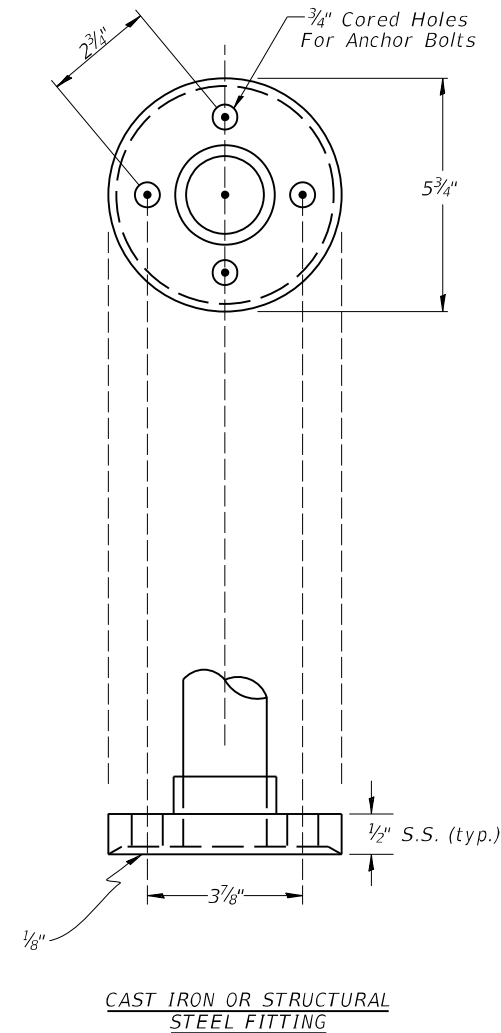
	Hurst-Rosche, Inc. 1400 E. TREMONT ST. HILLSBORO, IL PH: 217.532.3959 JOB NO. 194-3189	USER NAME =	DESIGNED - CMV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS STRUCTURE NO. 102-2503	F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 55
		PLOT SCALE =	DRAWN - BP	REVISED -			CONTRACT NO. 68D17				
		PLOT DATE = 1/5/2021	CHECKED - CMV	REVISED -	SHEET 6 OF 9 SHEETS		ILLINOIS FED. AID PROJECT				



PLAN
(Showing Limits of Pipe Handrail)



ELEVATION



BUILT-IN ANCHOR BOLT
1/8" O., 12" LONG
(SEE GENERAL NOTE 3)

GENERAL NOTES:

1. Article 509.04 of the Standard Specifications shall apply.
2. Connection of railing to posts shall be made by continuous welding or with using standard pipe fitting.
3. The pipe handrail and base plates shall be galvanized by the hot dip process.
4. Anchor Bolts shall be galvanized by the hot dip process or stainless steel.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Pipe Handrail	Foot	26

MODEL: \$MODELNAME\$
FILE NAME: X:\Projects\Current\192-3310 IDOT D4 WO 7 US 150 Inlet-Culvert Design\Drawings\FINAL PLANS\192-3310-007-PIPE HANDRAIL DETAILS.dgn

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PLOT SCALE =	CHECKED - CJC	REVISED -
PLOT DATE =	DRAWN - BP	REVISED -
	CHECKED - CMV	REVISED -

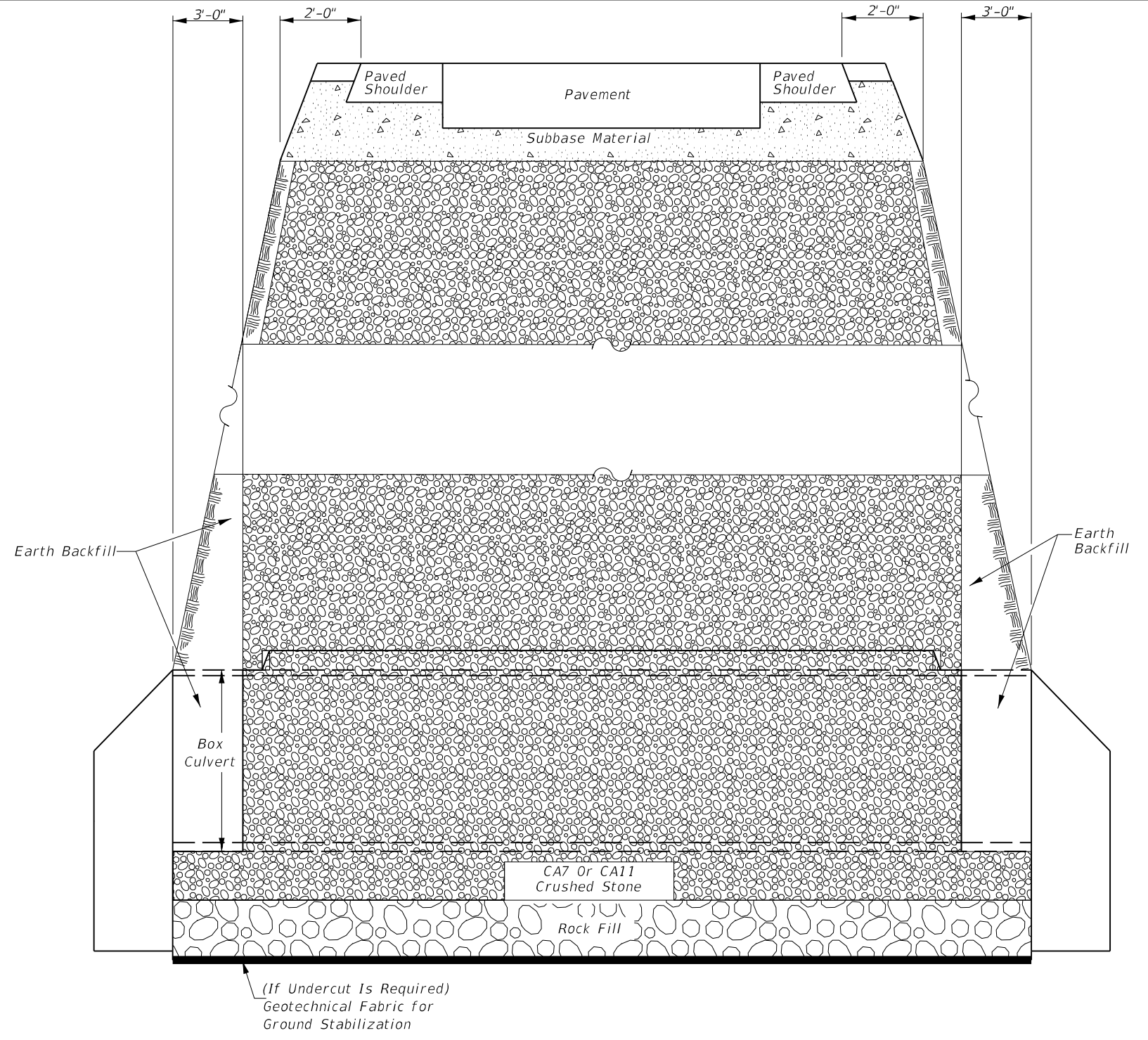
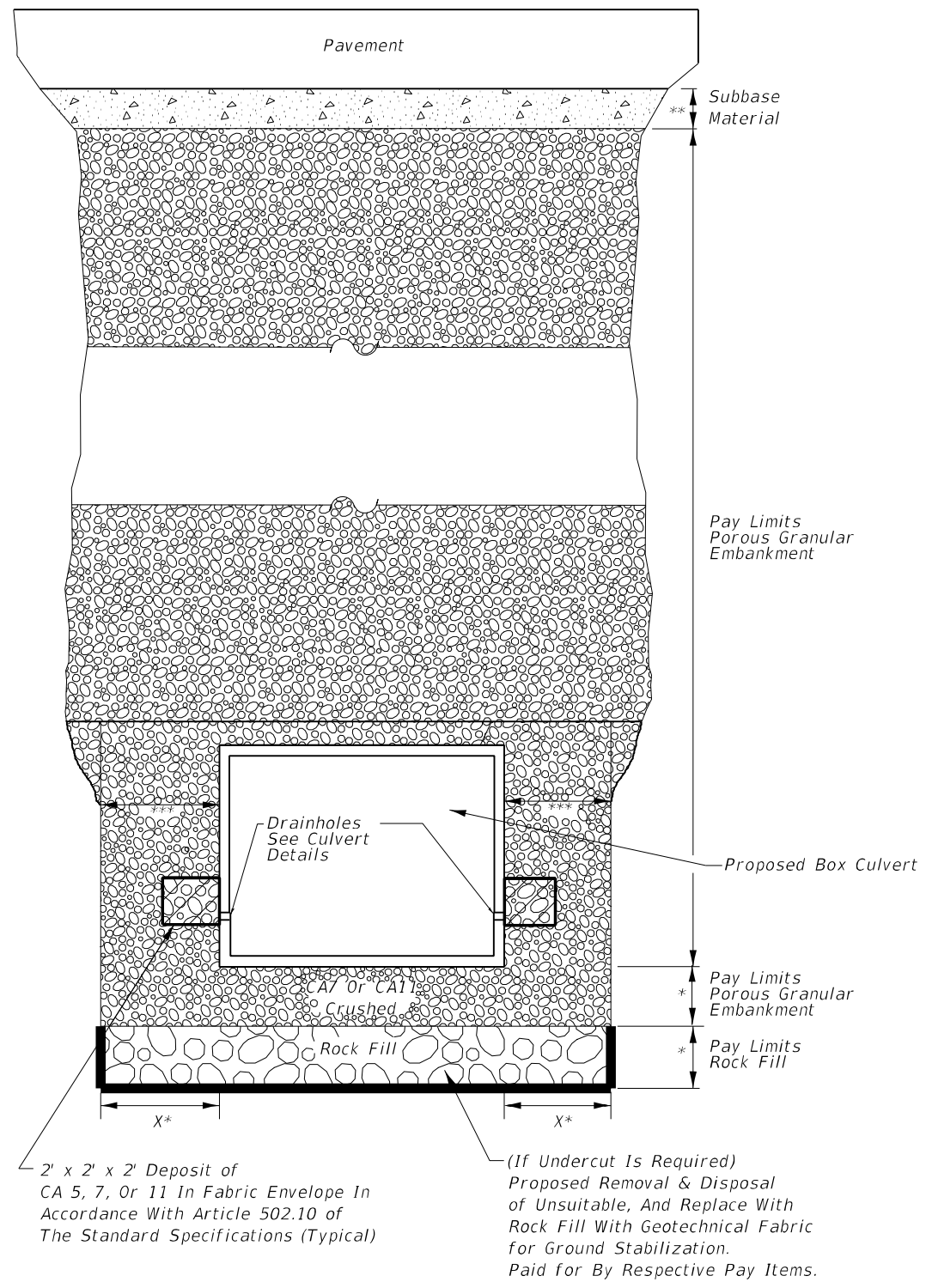
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIPE HANDRAIL DETAILS
STRUCTURE NO. 102-2503**

SHEET 7 OF 9 SHEETS

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 56
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
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ROADWAY CROSS SECTION VIEW

- NOTES:
1. Except as specified in this detail, the placement and compaction of backfill shall be in accordance with article 502.10 of the standard specifications.
 2. Porous granular embankment shall be placed in accordance with section 207 of the standard specifications.
 3. If no undercut is required, a 6" minimum layer of porous granular embankment shall be placed below the elevation of the bottom of box culvert.

* If Applicable, See Undercut Detail for Depths And Widths.
 If There Is No Undercut, X = 2 Feet And See Note 3 This Sheet.

** Subbase Shall Be 6" Minimum Layer of CA6 Crushed Stone Or Other Material As Specified In The Plans.

*** Pay Limits of Porous Granular Embankment Shall Be 2 Feet Unless Otherwise Shown In The Plans.

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**STATE OF ILLINOIS
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**EXCAVATION AND BACKFILL FOR BOX CULVERT DETAILS
 STRUCTURE NO. 102-2503**

SHEET 8 OF 9 SHEETS

F.A.S. RTE. 2486	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 57
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled square on top of E end the south concrete retaining wall over culvert.
Elevation 732.86 @ plan station 845+13, 15' Rt

Existing Structure: SN 102-1004 was built in 1922 under S.B.I. Rte 9.
Existing structure is a 12'X5'-6" R.C. box culvert with a culvert length of 32'-0".
Traffic to be maintained utilizing stage construction.

No Salvage

INDEX OF SHEETS

1. General Plan
2. General Data
3. Stage Construction Details
4. Culvert Plan
5. Culvert Details
6. Strong Post Guardrail Attached to Culvert
7. Bar Splicer Assembly & Mechanical Splicer Details
8. Soil Boring Logs

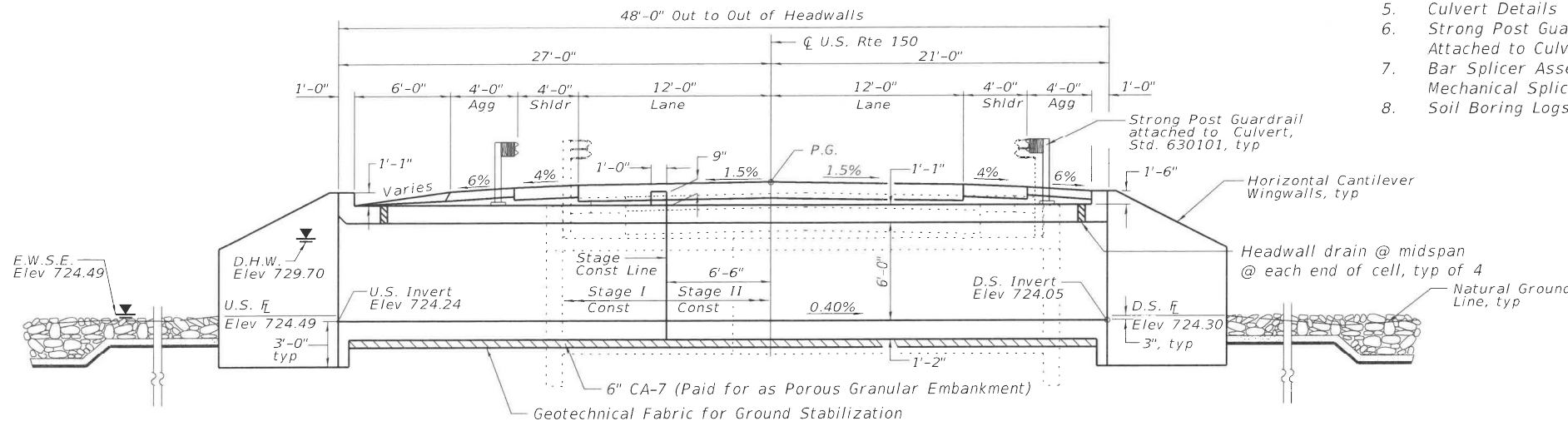
WATERWAY INFORMATION

		Exist. Overtopping Elev. 731.89 @ Sta. 847+00						
		Drainage Area = 1.5 sq. mi. Prop. Overtopping Elev. 733.19 @ Sta. 845+00						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.
			Exist.	Prop.		Exist.	Prop.	Exist. Prop.
Design	10	561	50	108	729.0	2.5	0.1	731.5 729.1
Base	50	955	58	125	729.7	2.5	0.3	732.2 730.0
OVT (E)	100	1140	62	132	730.0	2.4	0.9	732.4 730.9
OVT (P)	11	570	50	N/A	729.0	2.6	N/A	731.6 N/A
Max. Calc.	300	1440	N/A	137	730.2	N/A	2.4	N/A 732.6
	500	1590	66	139	730.3	2.2	2.4	732.5 732.7

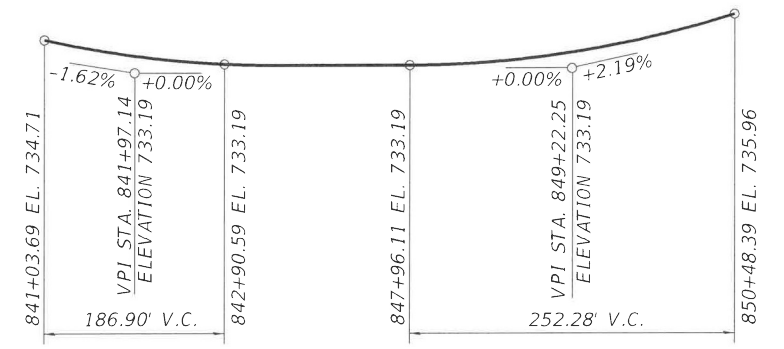
10-Year Outlet Velocity from existing Structure = 14.7 fps
10-Year Outlet Velocity from proposed Structure = 5.5 fps

DESIGN SCOUR ELEVATION TABLE

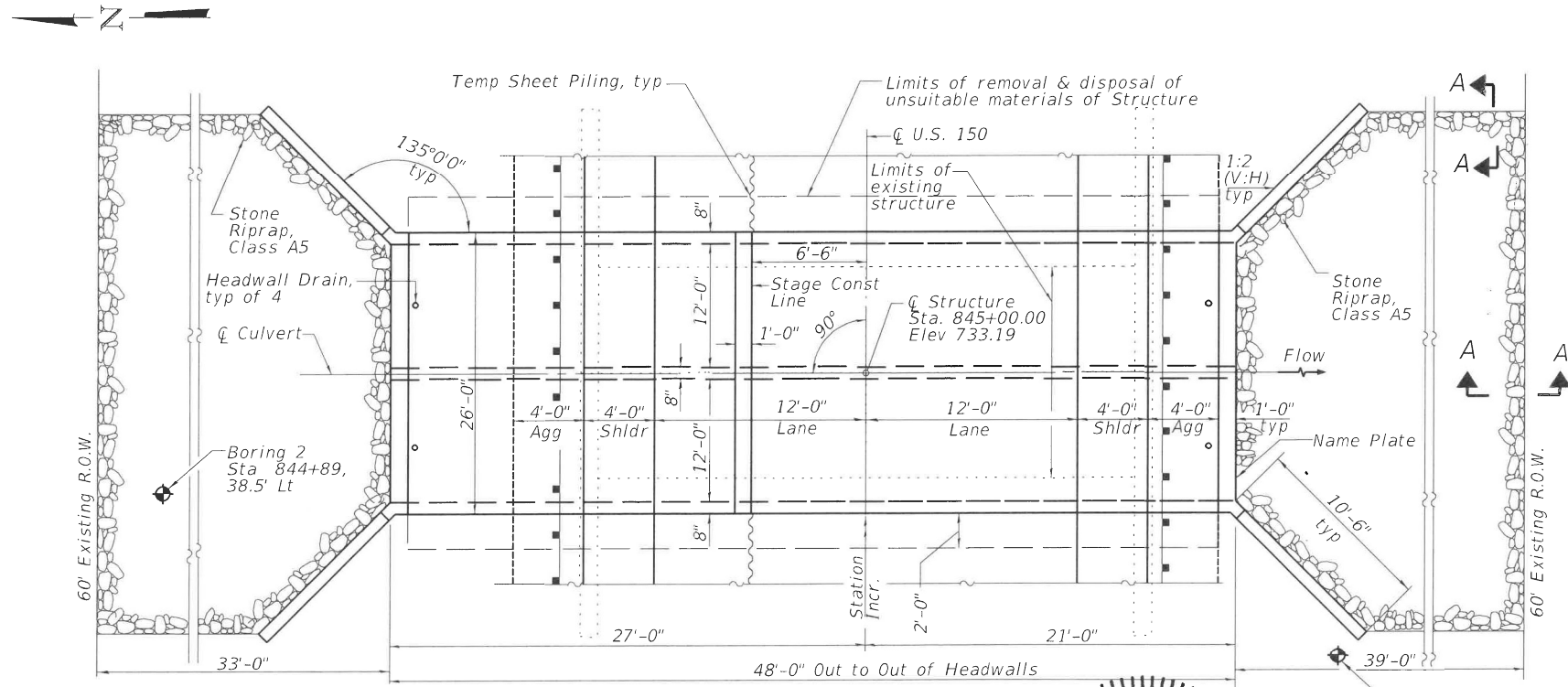
Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	721.05	721.24



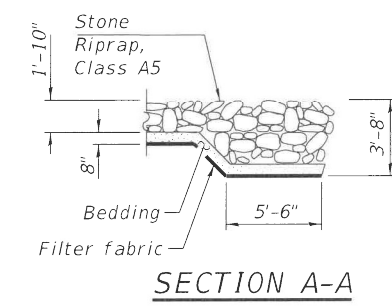
LONGITUDINAL SECTION



PROFILE GRADE
(Along \bar{C} U.S. Rte 150)



PLAN



SECTION A-A

DESIGN SPECIFICATIONS

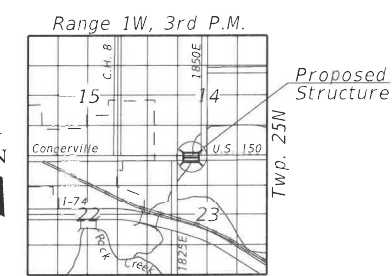
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

LOADING HL-93

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



LOCATION SKETCH

GENERAL PLAN
U.S. ROUTE 150 OVER
TRIBUTARY TO ROCK CREEK
F.A.S. RTE. 2466 - SECTION 11-CR
WOODFORD COUNTY
STATION 845+00.00
STRUCTURE NO. 102-2030

STATION 845+00.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.S. RT. 2466 SEC. 11-CR
LOADING HL-93
STR. NO. 102-2030

NAME PLATE
(Std. 515001)

APPROVED
For Structural Adequacy Only
Chase J. Connor
Engineer of Bridges & Structures

CHASE J. CONNOR
LICENSED STRUCTURAL ENGINEER
081-7200
Date: 7/20/21

CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 081-7220
EXPIRES: NOVEMBER 30, 2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 102-2030
SHEET 1 OF 8 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	59

CONTRACT NO. 68D17
ILLINOIS FED. AID PROJECT

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GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

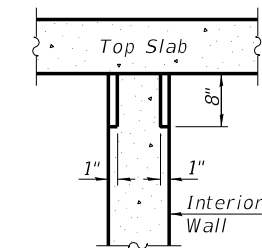
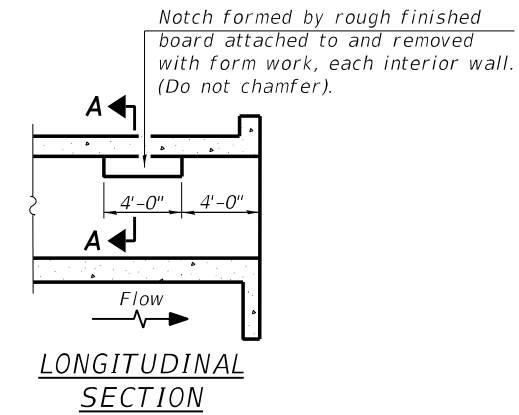
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Precast alternative is not allowed.

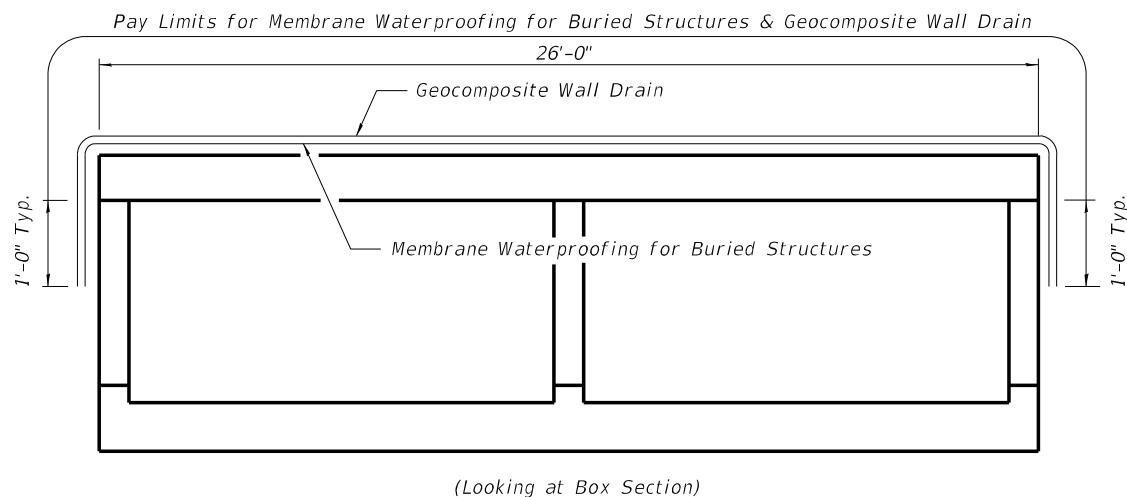
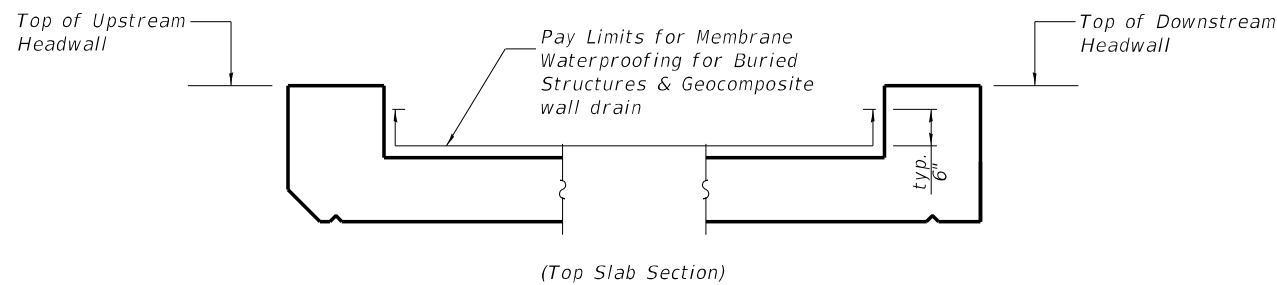
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	322
Stone Riprap, Class A5	Sq. Yd.	304
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	156
Filter Fabric	Sq. Yd.	304
Removal of Existing Structures No. 2	Each	1
Structure Excavation	Cu. Yd.	340
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	29
Reinforcement Bars, Epoxy Coated	Pound	33,730
Bar Splicers	Each	125
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	633
Concrete Box Culverts	Cu. Yd.	146.5
Geocomposite Wall Drain	Sq. Yd.	157
Membrane Waterproofing System for Buried Structures	Sq. Yd.	157

* See Special Provisions



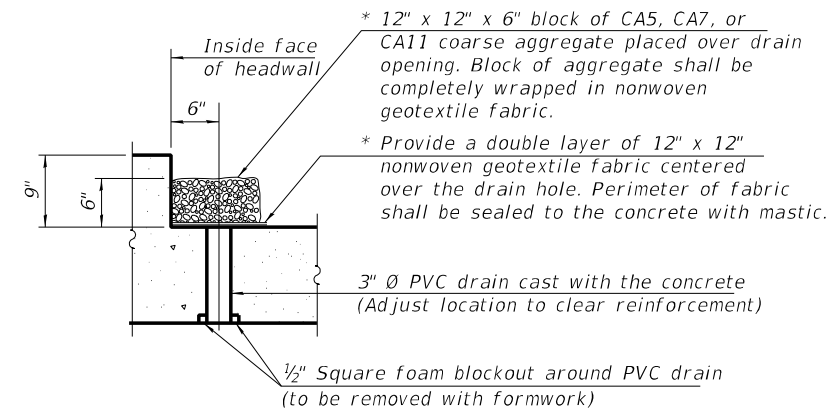
SECTION A-A
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)



MEMBRANE WATERPROOFING FOR BURIED STRUCTURES

Note: Membrane Waterproofing for Culverts shall cover top of the top slab, top one foot of side walls (below top slab joint), and 6 inches up inside face of headwalls.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL (4 each)

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

STATE OF ILLINOIS
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GENERAL DATA
STRUCTURE NO. 102-2030

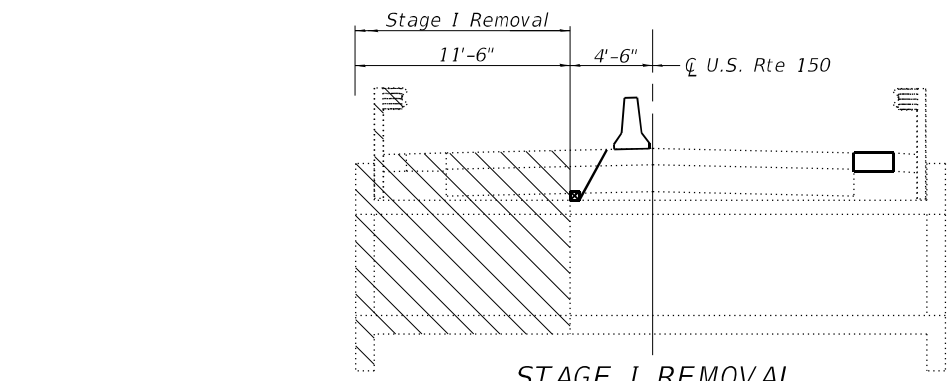
SHEET 2 OF 8 SHEETS

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 60
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				

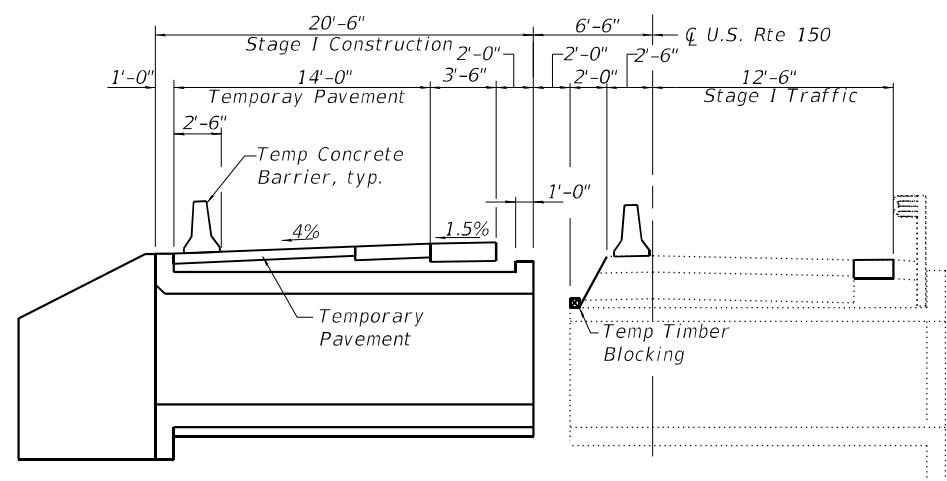
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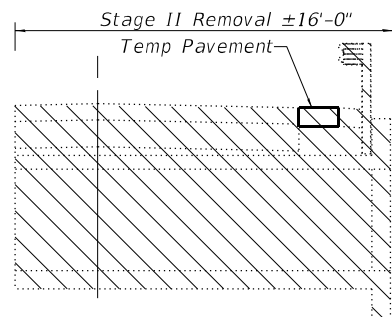
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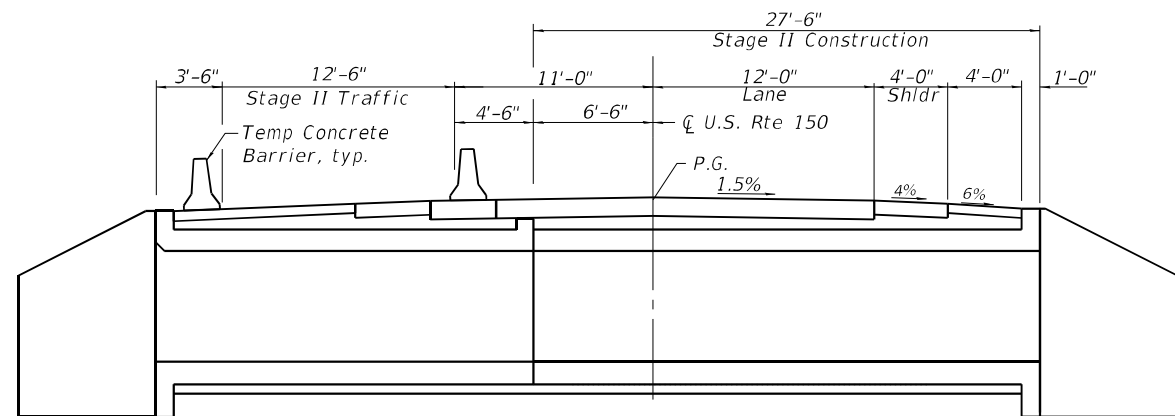
STAGE I REMOVAL
(looking East)



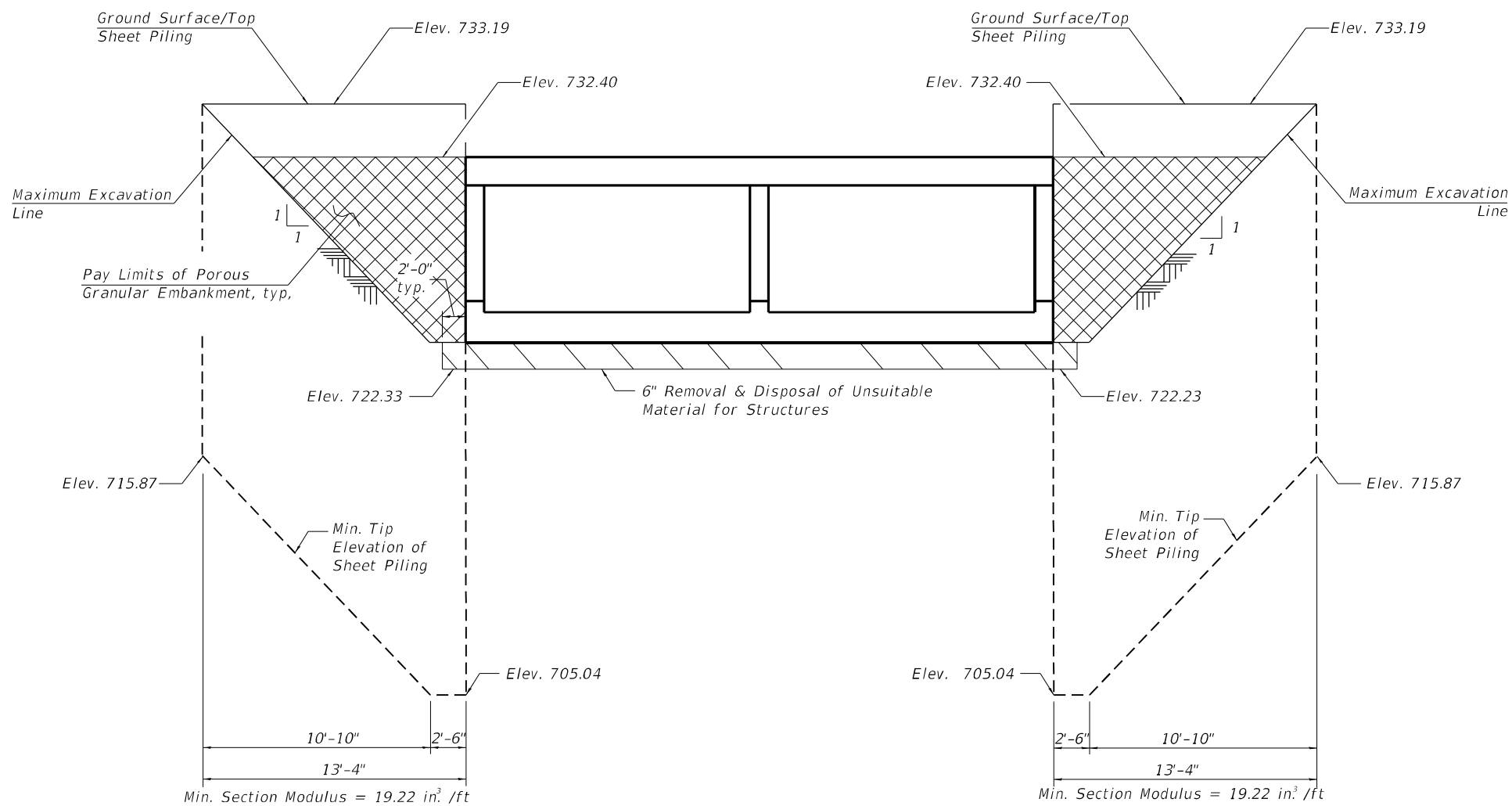
STAGE I CONSTRUCTION
(looking East)



STAGE II REMOVAL
(looking East)



STAGE II CONSTRUCTION
(looking East)



TEMPORARY SHEET PILING

Notes:
 Hatched area indicates Removal of Existing Structures.
 See Roadway Plans for quantity and details of Temporary Base Course Widening, and Temporary Concrete Barrier.
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, an design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

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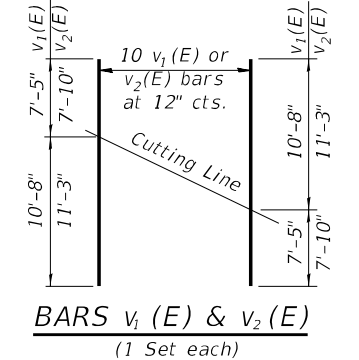
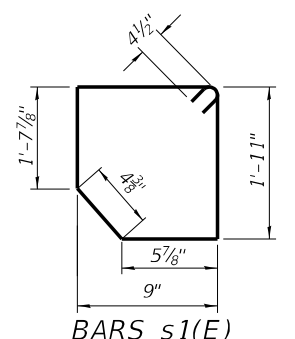
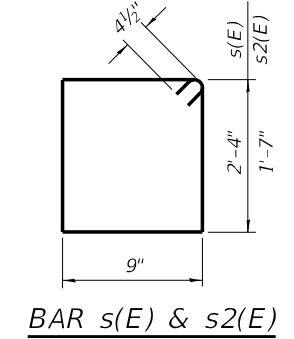
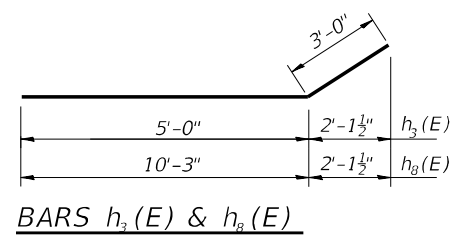
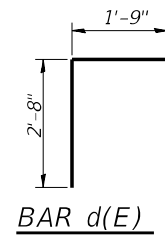
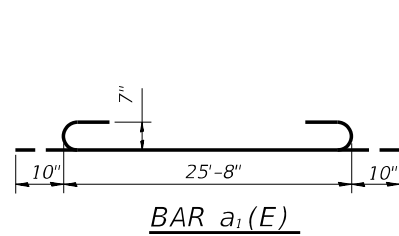
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 JOB NO. 194-3189

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	CHECKED - CJC	REVISED -

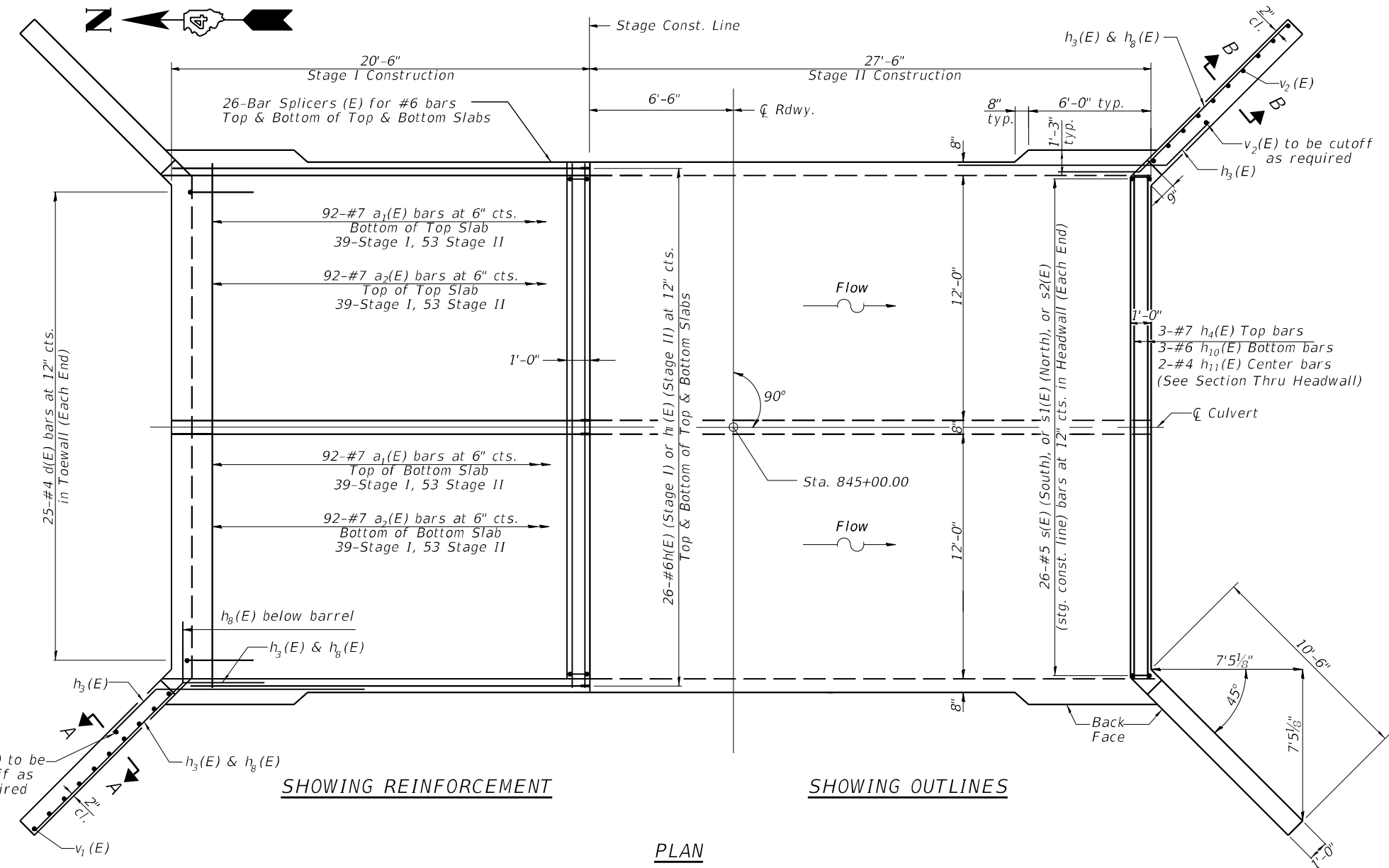
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 102-2030
 SHEET 3 OF 8 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	61
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				



Order bars full length and cut as shown. Use resulting bars on opposite wingwall.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₁ (E)	184	#7	27'-4"	U
a ₂ (E)	188	#7	25'-8"	U
d(E)	50	#4	4'-5"	L
h(E)	104	#6	20'-2"	—
h ₁ (E)	104	#6	27'-2"	—
h ₂ (E)	21	#4	20'-2"	—
h ₃ (E)	80	#6	8'-0"	—
h ₄ (E)	9	#7	24'-8"	—
h ₅ (E)	21	#4	27'-2"	—
h ₆ (E)	64	#6	13'-3"	—
h ₁₀ (E)	9	#6	24'-8"	—
h ₁₁ (E)	6	#4	24'-8"	—
s(E)	26	#4	6'-11"	□
s ₁ (E)	26	#4	5'-11"	□
s ₂ (E)	26	#4	5'-5"	□
v(E)	315	#4	7'-10"	—
v ₁ (E)	12	#4	18'-1"	—
v ₂ (E)	12	#4	19'-1"	—
Concrete Box Culverts			Cu. Yd.	146.5
Reinforcement Bars, Epoxy Coated			Pound	33,730

Notes:
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 See sheet 5 of 8 for Section A-A, Section B-B and Section Thru Headwall.

MODEL: \$MODELNAME\$
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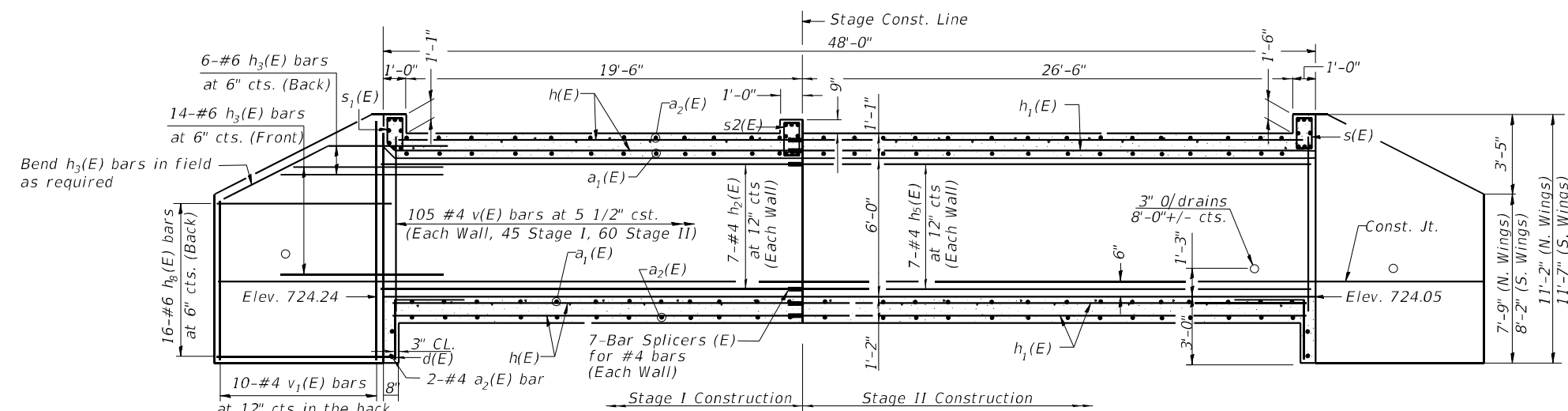
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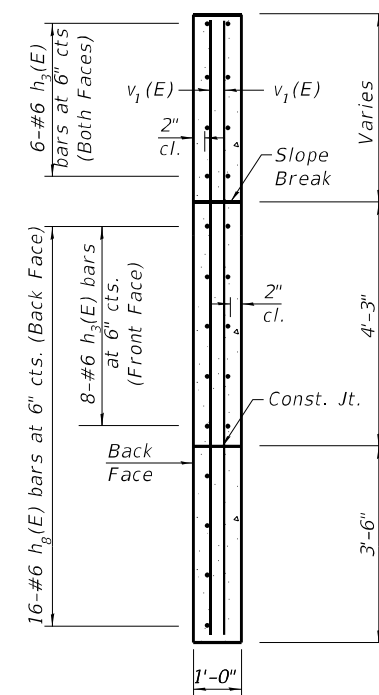
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN
STRUCTURE NO. 102-2030
 SHEET 4 OF 8 SHEETS

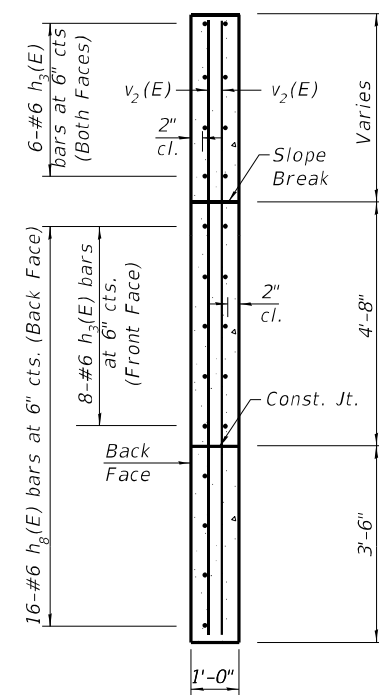
F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 62
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				



LONGITUDINAL SECTION
(Looking East)



SECTION A-A
(From Sheet 4 of 8)



SECTION B-B
(From Sheet 4 of 8)

Bend $h_3(E)$ bars in field as required

105 #4 $v(E)$ bars at 5 1/2" cts. (Each Wall, 45 Stage I, 60 Stage II)

7-#4 $h_2(E)$ at 12" cts (Each Wall)

7-#4 $h_5(E)$ at 12" cts (Each Wall)

7-Bar Splicers (E) for #4 bars (Each Wall)

3" CL. $d(E)$

3" O/drains 8'-0" +/- cts.

Const. Jt.

Elev. 724.24

Elev. 724.05

Stage I Construction

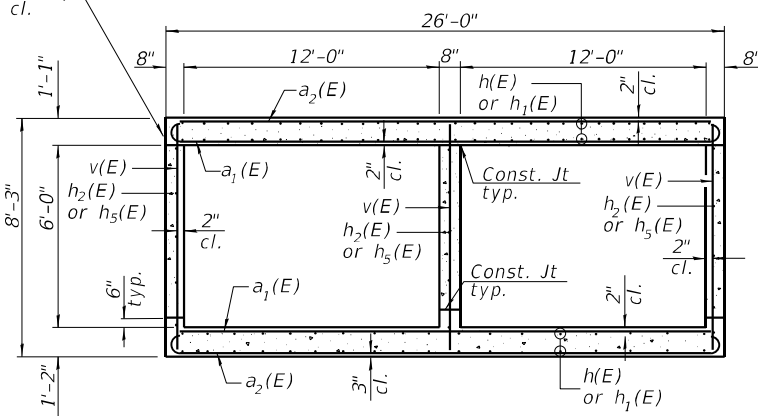
Stage II Construction

at 12" cts in the back face and 1-#4 $v_1(E)$ bar in the front face on S. Wingwalls.

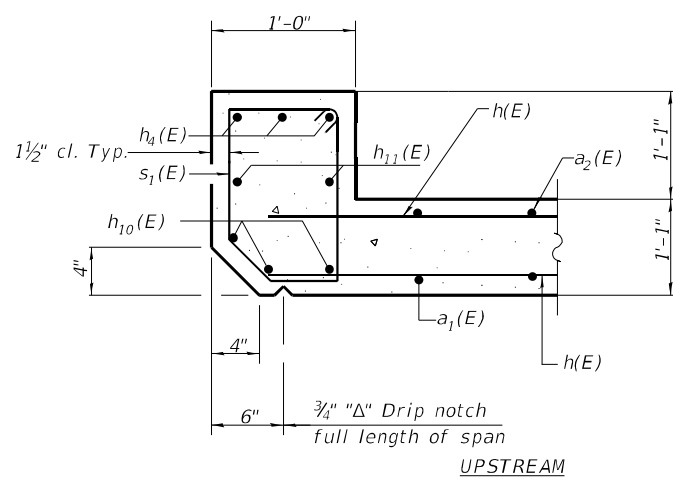
10-#4 $v_2(E)$ bars at 12" cts in the back face and 1-#4 $v_2(E)$ bar in the front face on W. Wingwalls.

Placed as shown on sheet 4 of 8.

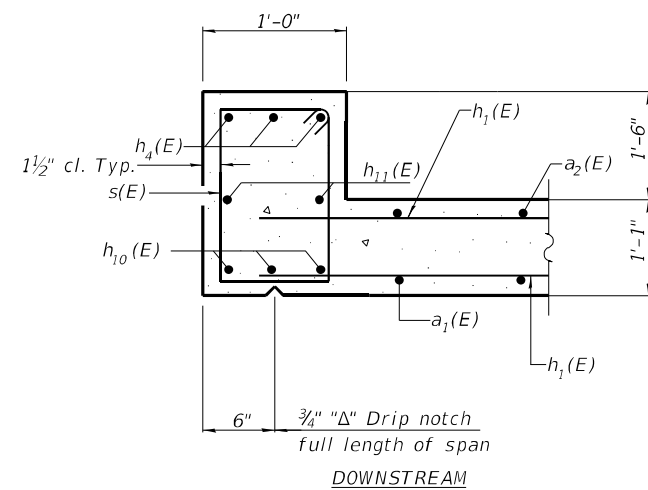
Tilt hook $a_1(E)$ bars if necessary for 2" min. cl.



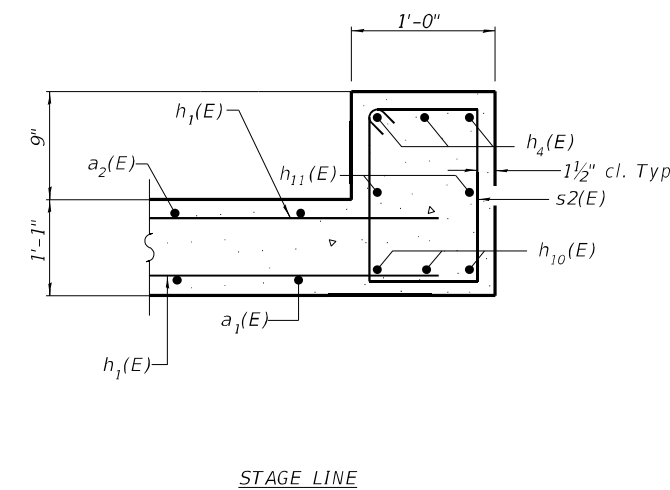
SECTION THRU BARREL



UPSTREAM



DOWNSTREAM



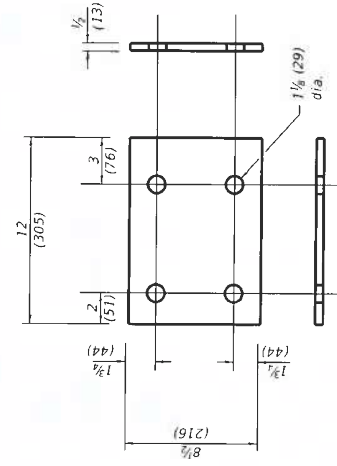
STAGE LINE

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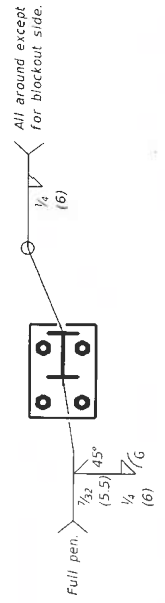
CULVERT DETAILS
STRUCTURE NO. 102-2030

SHEET 5 OF 8 SHEETS

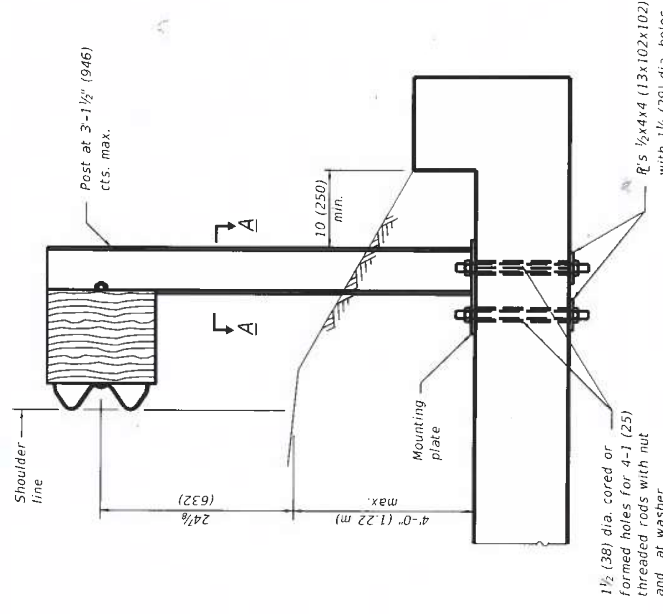
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



MOUNTING PLATE



SECTION A-A



CROSS SECTION

GENERAL NOTES

For details of guardrail elements not shown, see Standard 630001.
 All threaded rods shall be installed with heavy hex nuts and standard washers.
 All dimensions are in inches (millimeters) unless otherwise shown.

STRONG POST GUARDRAIL ATTACHED TO CULVERT

STANDARD 630101-10	
EAS. RFE. 2408	SECTION 11.02
COUNTY WOODFORD	CONTRACT NO. 88D17
SECTION 11.02	MARKET NO. 11.02

STRONG POST GUARDRAIL ATTACHED TO CULVERT STRUCTURE NO. 102-2030

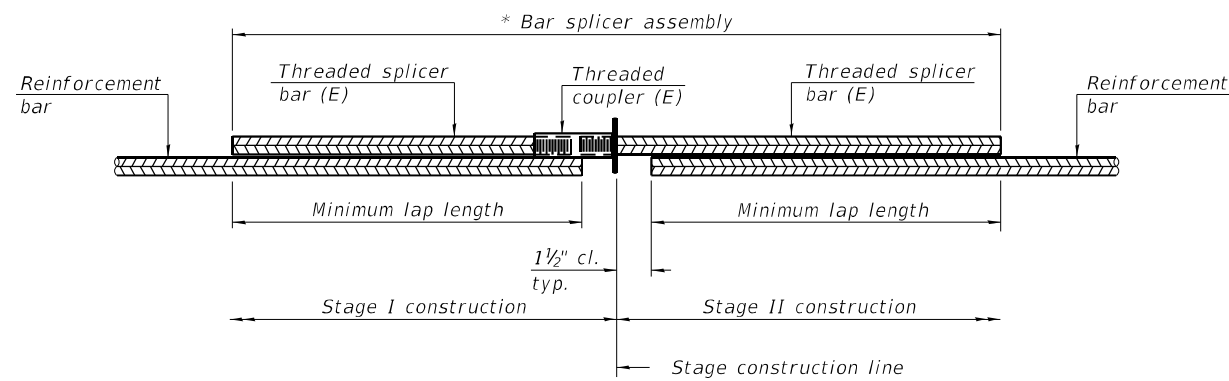
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DESIGNED	CMV	REVISION
CHECKED	CJC	REVISION
DRAWN	BP	REVISION
CHECKED	CJC	REVISION

USER NAME	DATE
PROJECT NO.	DATE

HR
 HUGHES-BOGARD, INC.
 4400 E. TREMONT ST.
 P.O. BOX 110
 P.O. BOX 110
 JOB NO. 102-2030

MODEL: D:\d...
 FILE NAME: X:\projects\civ\102-2030\102-2030-006-dim\hr.dgn
 PLOT DATE: 10/14/01 PM



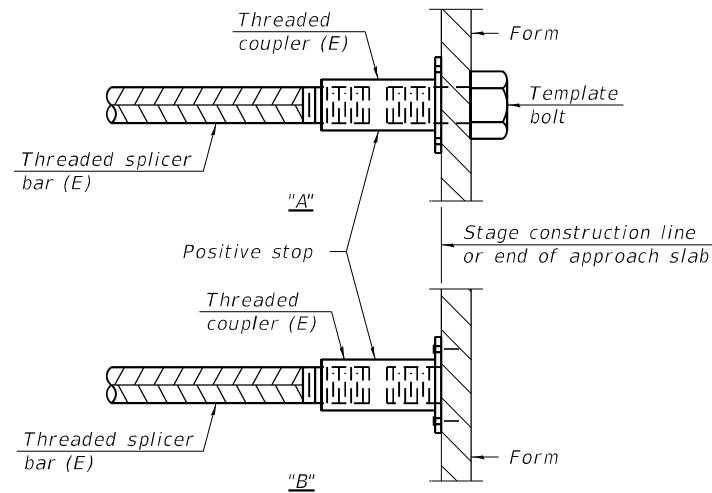
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#6	52	3'-10"
Bottom Slab	#6	52	3'-10"
Walls	#4	21	2'-11"

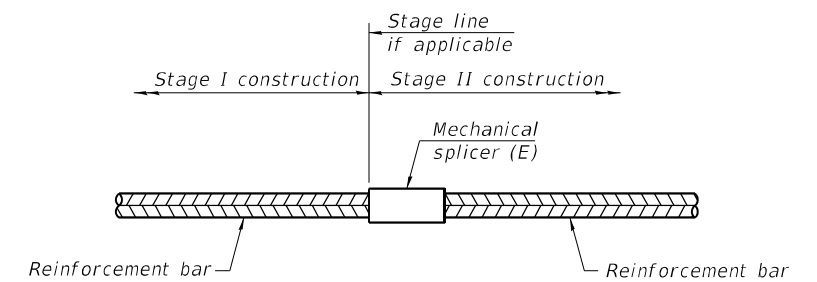


INSTALLATION AND SETTING METHODS

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

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

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: Default
FILE NAME: D:\SN_1022030 File_Submittal\Drawings\dgm\102-2030-007-Bar_splicer_assem & mech_splicer_details.dgn

BSD-1

1-1-2020



Hurst-Rosche, Inc.
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 192-2050

USER NAME =	DESIGNED - CMV	REVISED -
	CHECKED - CJC	REVISED -
PLOT SCALE =	DRAWN - BP	REVISED -
PLOT DATE =	CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS
STRUCTURE NO. 102-2030

SHEET 7 OF 8 SHEETS

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 65
CONTRACT NO. 68D17				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Page 1 of 1

Date 3/21/18

ROUTE FAS 2466 (US150) DESCRIPTION Structure boring for culvert replacement LOGGED BY JW

SECTION 11 CR LOCATION SEC. 23, TWP. 25N, RNG. 1W, 3rd PM

Latitude 40d 37' 03" N, Longitude 89d 11' 09" W

COUNTY Woodford DRILLING METHOD HSA HAMMER TYPE AUTO SPT Hammer

STRUCT. NO. Ex 102-1004
Station 845+00

BORING NO. B-1
Station 844+68
Offset 25.5 ft RT
Ground Surface Elev. 729.19 ft

DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)
------------	-----------------	-----------	-----------

DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
3				Dark brown, moist, soft SILTY CLAY LOAM	9				Gray, wet, very stiff to hard CLAY TILL (continued)
4	0.4	29			13	4.1	13		
5	B				22	B			
725.69									
2				Brown, moist, medium stiff SILTY CLAY	8				
3	0.8	37			15	2.9	12		
4	P			Turns gray	11	B			
723.19									
3				Gray, wet, medium dense COARSE SAND AND GRAVEL	17				
5		14			23	9.2	12		
7					50/5"	S			
5					40				
6		15		Gray, wet, very dense CLAYEY SAND	50/4"		13		
7									
718.19									
6				Gray, wet, stiff to very stiff CLAY TILL					
5	2.1	14							
6	B								
3					14				
5	1.7	13		Gray, wet, very stiff to hard CLAY TILL	16	10.4	12		
7	B				29	S			
-15									
5									
8	1.9	14							
10	B								
710.69									
5				Gray, wet, very stiff to hard CLAY TILL	12				
16	4.1	13			12	3.7	12		
19	S				24	B			
-20									
				End of Boring	689.19	-40			

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

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Page 1 of 1

Date 3/21/18

ROUTE FAS 2466 (US150) DESCRIPTION Structure boring for culvert replacement LOGGED BY JW

SECTION 11 CR LOCATION SEC. 14, TWP. 25N, RNG. 1W, 3rd PM

Latitude 40d 37' 03" N, Longitude 89d 11' 09" W

COUNTY Woodford DRILLING METHOD HSA HAMMER TYPE AUTO SPT Hammer

STRUCT. NO. Ex 102-1004
Station 845+00

BORING NO. B-2
Station 844+89
Offset 38.5 ft LT
Ground Surface Elev. 728.39 ft

DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)
------------	-----------------	-----------	-----------

DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
				Dark brown to brown, moist, medium stiff TOPSOIL	707.39				Gray, wet, stiff to very stiff CLAY TILL (continued)
2					5				Gray, wet, hard CLAY TILL
3		27			11	6.2	11		
3					18	B			
724.89									
2				Brown and gray, moist, stiff CLAY LOAM	9				
2	1.1	30			11	7.0	11		
3	B				17	B			
-5					-25				
722.39									
4				Gray, wet, medium dense COARSE SAND AND GRAVEL	11				
5		12			13	10.5	12		
7				4 inch gray clay seam at 7 ft	23	S			
2					9				
5		13			10	4.5	12		
7					18	P			
-10									
5									
5		10							
6									
4					7				
7		5			13	6.6	11		
7					50/3"	S			
-15									
712.39									
2				Gray, wet, stiff to very stiff CLAY TILL					
4	1.0	14							
7	B								
4					5				
7	3.9	13			13	5.8	13		
11	B				20	B			
-20									
				End of Boring	688.39	-40			

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

BBS, form 137 (Rev. 8-99)

MODEL: Default
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HR
Hurst-Rosche, Inc.
PROFESSIONAL ENGINEERING FIRM
1400 E. TREMONT ST.
HILLSBORO, IL
PH: 217.532.3959
JOB NO. 194-3189

USER NAME =	DESIGNED - CMV	REVISED -
CHECKED - CJC	REVISIONS -	
PLOT SCALE =	DRAWN - BP	REVISED -
PLOT DATE = 12/16/2020	CHECKED - CJC	REVISED -

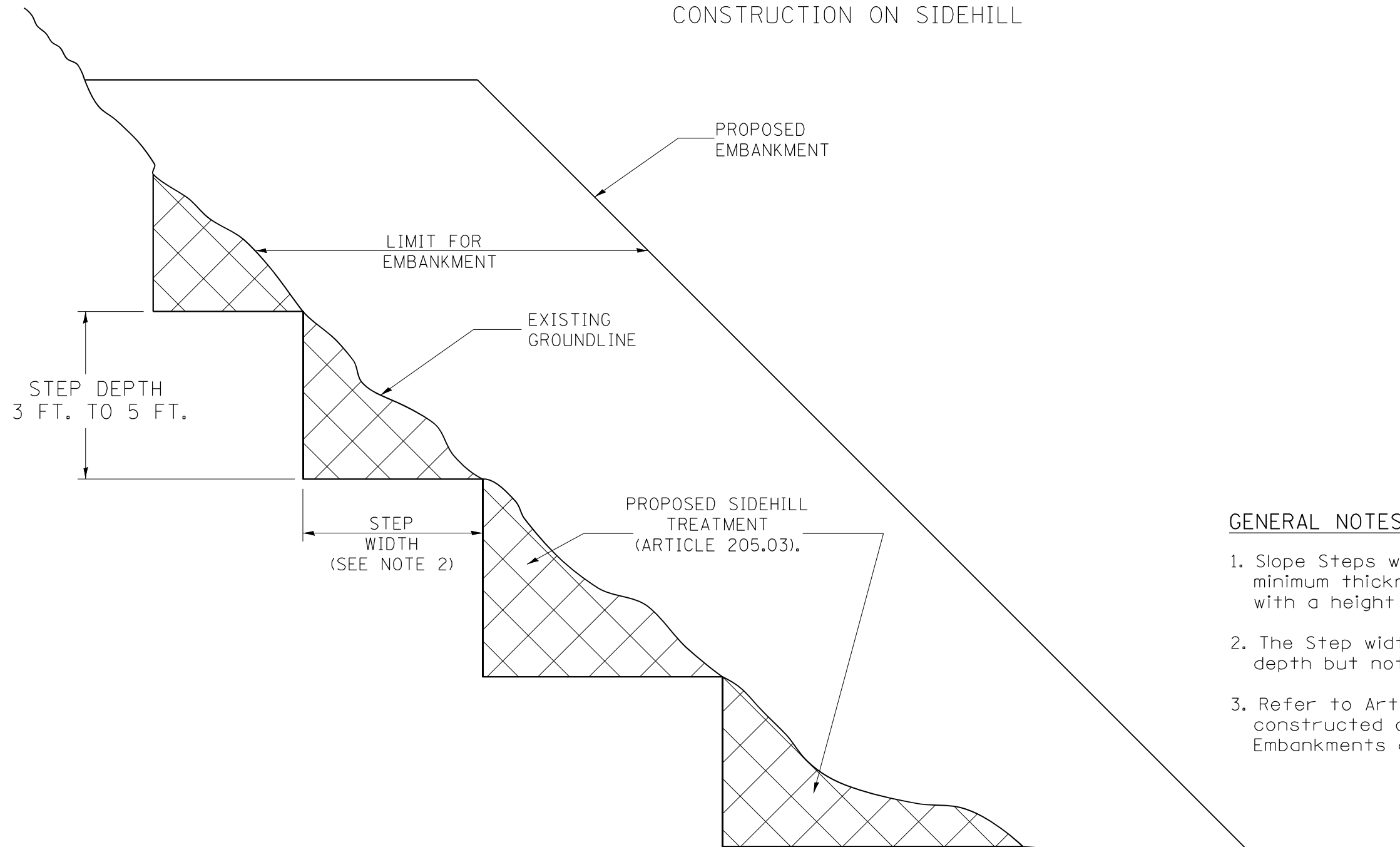
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 102-2030

SHEET 8 OF 8 SHEETS

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

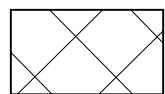
SLOPE STEPS DETAIL
 TYPICAL CROSS-SECTION EMBANKMENT
 CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on all fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
 (IN ACCORDANCE WITH
 205 OF THE STANDARD SPECIFICATION).

All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.
5-30-18	MINOR CORRECTION	R.D.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

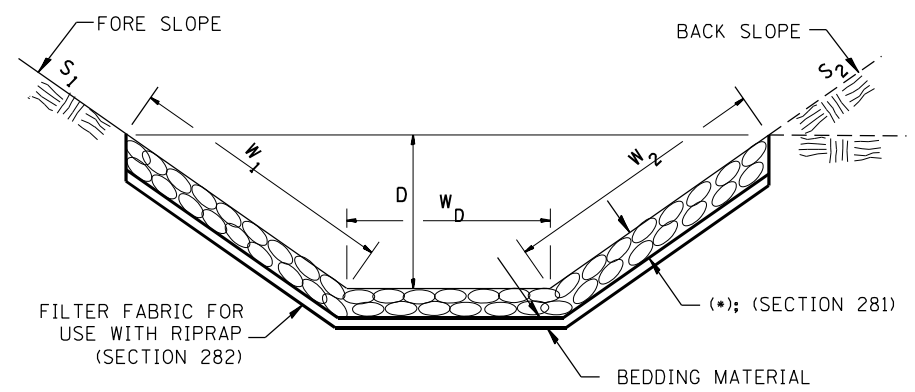
SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	67
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

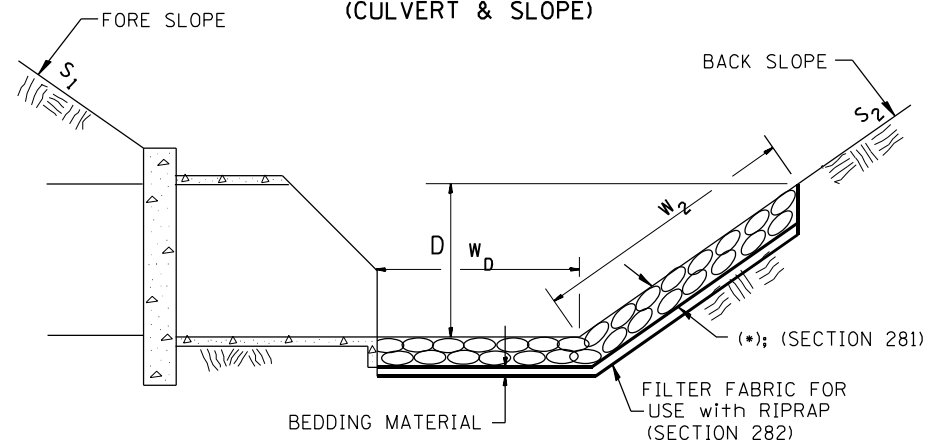
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_1 + W_2 + W_D$

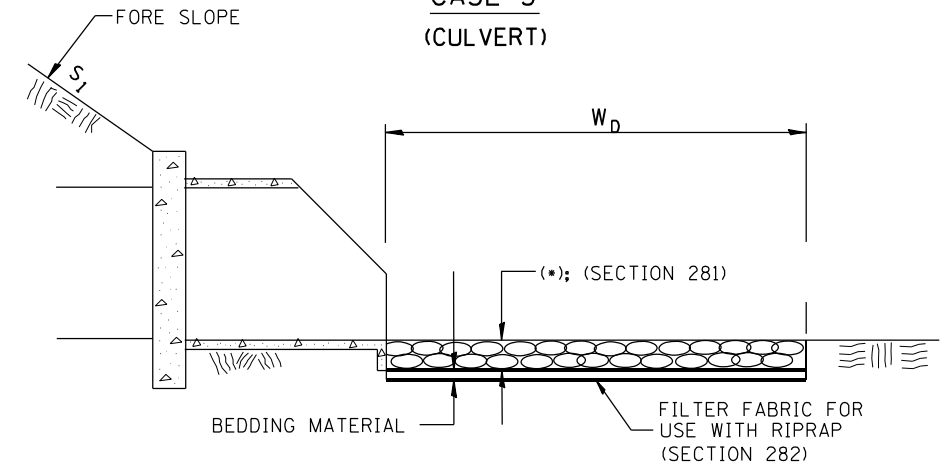
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	sq yds (m ²)	sq yds (m ²)
LOCATION 1 RT	20	52	115.6	115.6
LOCATION 1 LT	41	25	113.9	113.9
LOCATION 2 RT	39	37	120	120
LOCATION 2 LT	39	32	120	120
TOTAL			469	469

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

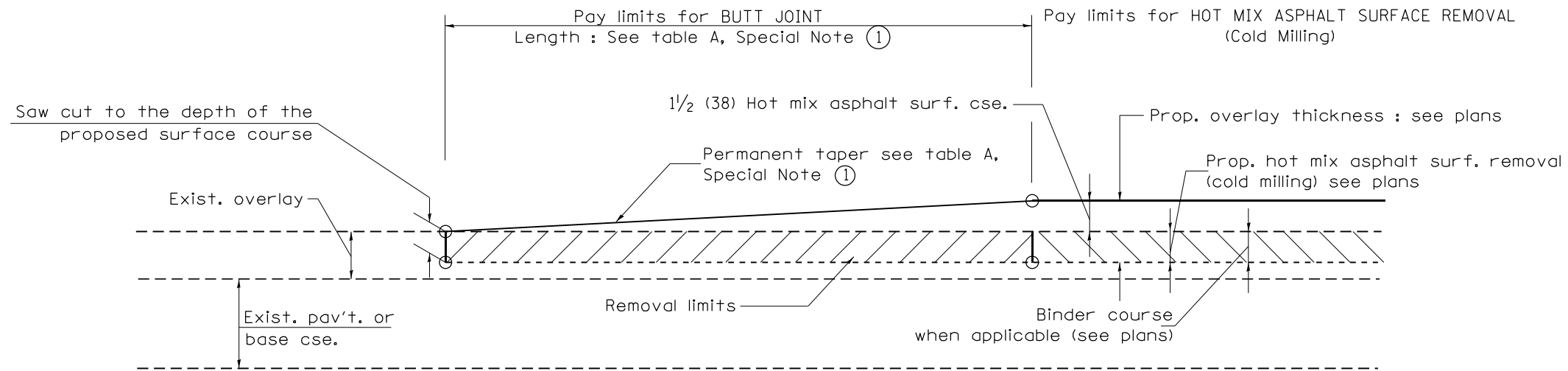
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	69
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



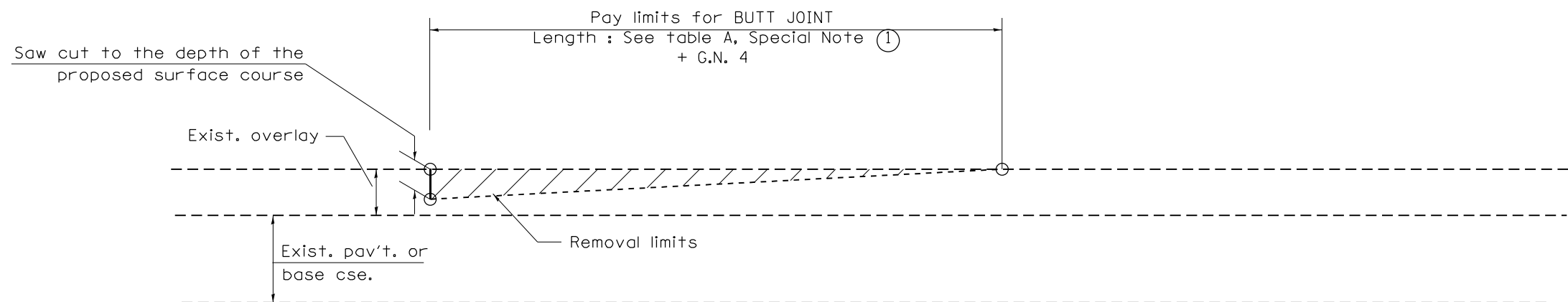
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

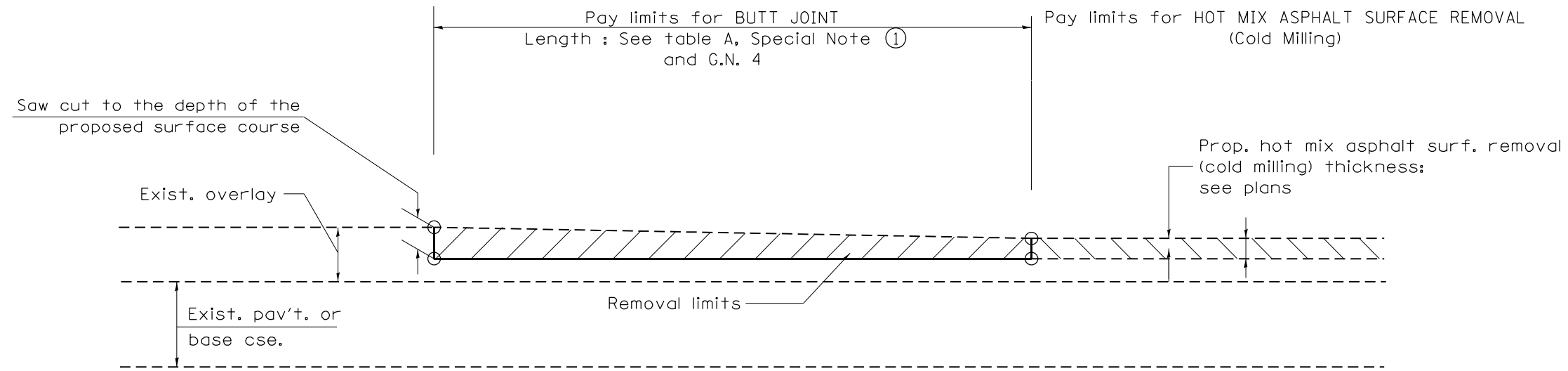
GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

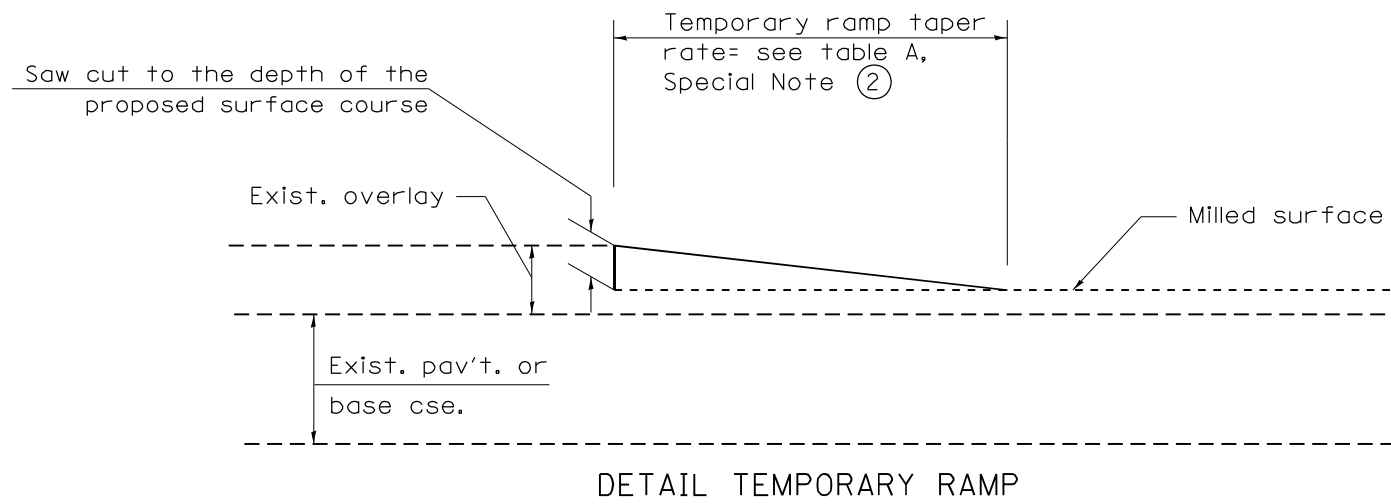


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

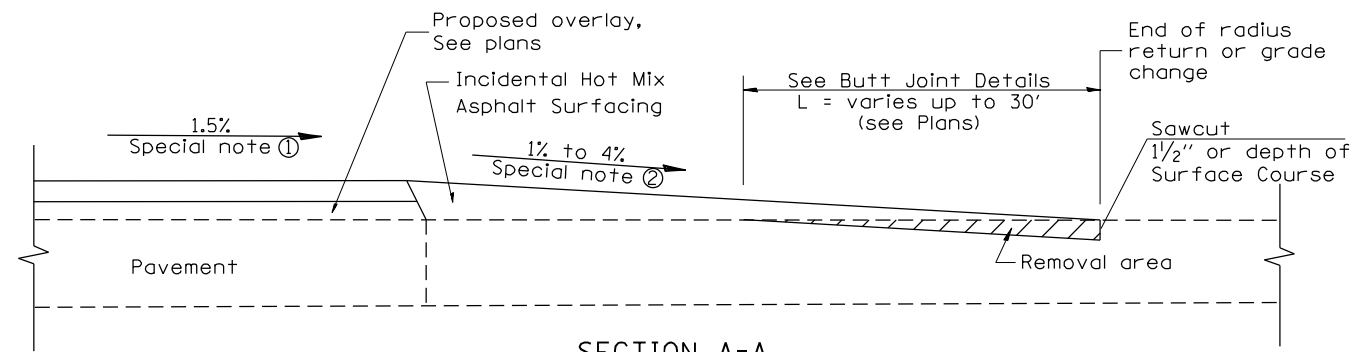


**CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

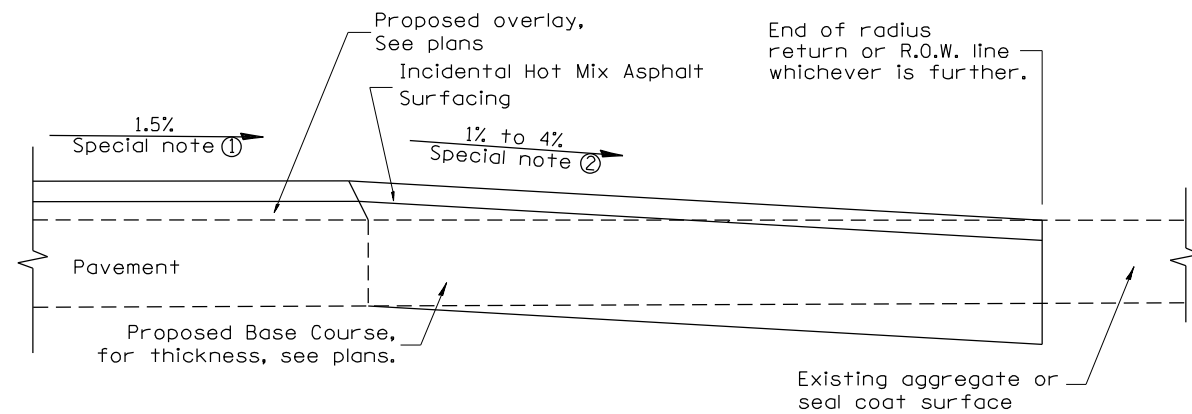


All dimensions are in inches (millimeters) unless otherwise noted.

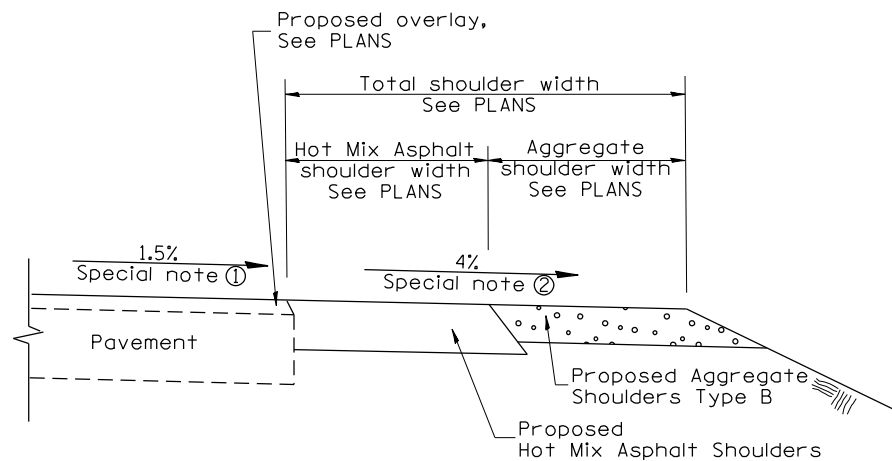
				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO. 68D17	
								ILLINOIS FED. AID PROJECT	



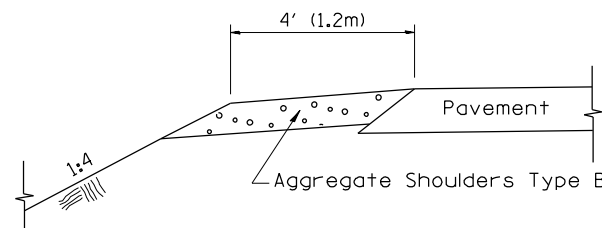
SECTION A-A
EXISTING PCC OR HOT MIX ASPHALT SIDEROAD



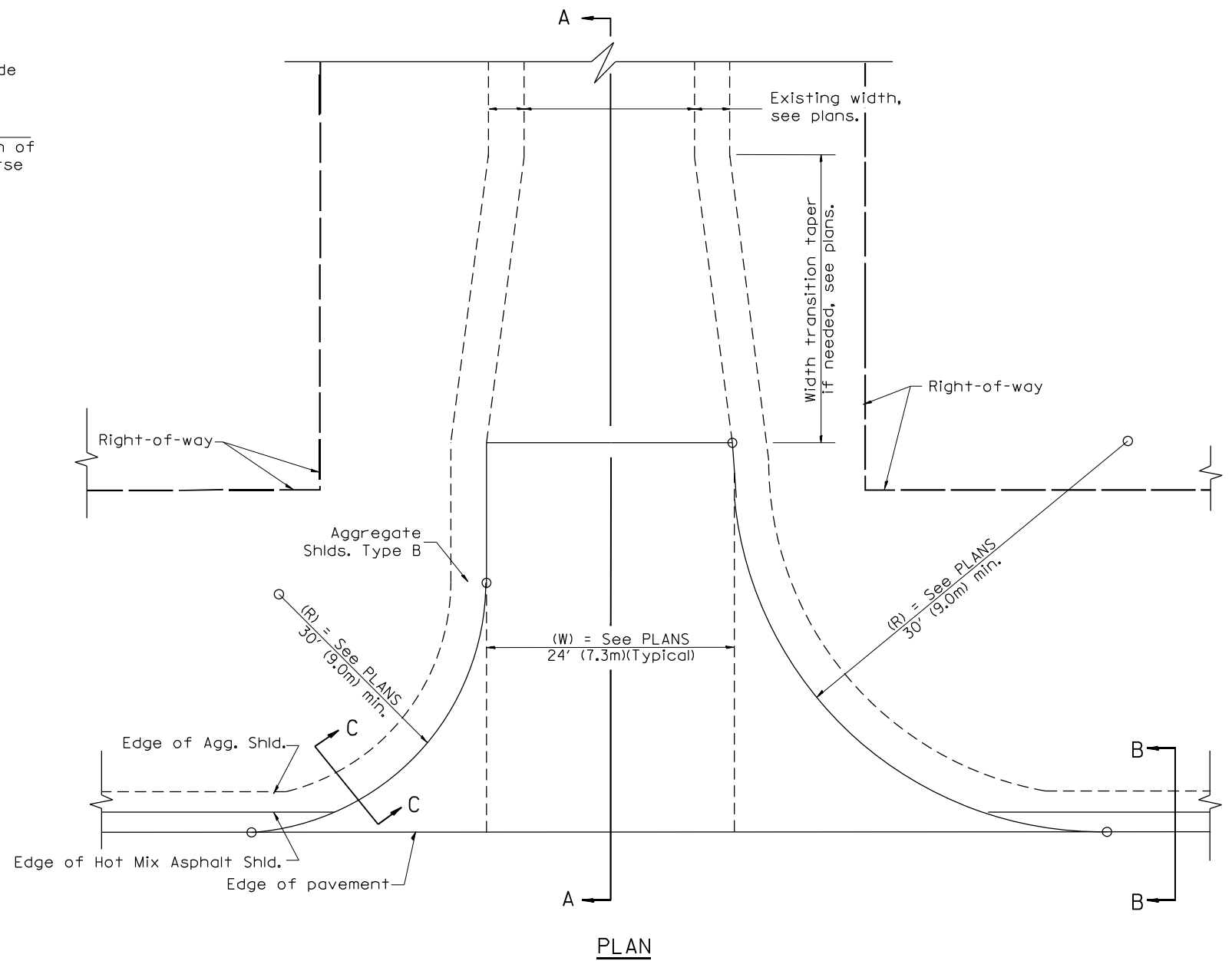
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD



SECTION B-B
MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT



PLAN

SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on superelevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline superelevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

01-01-97	RENUM. C-105.02, NEW REVISION BOX	T.P.	02-14-17	MINOR REVISIONS	R.D.
07-01-97	REVISE DESIGNER NOTES	J.A.			
09-15-05	REVISED DESIGNER NOTE	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

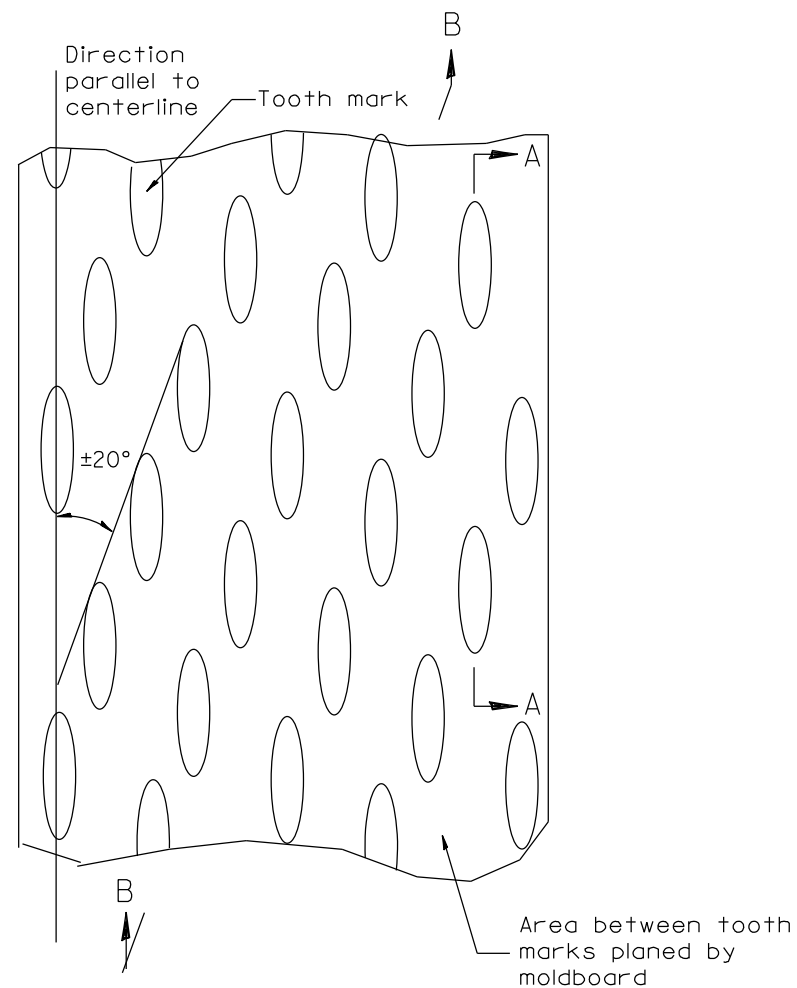
RURAL SIDEROADS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406401-D4

All dimensions are in inches (millimeters) unless otherwise noted.

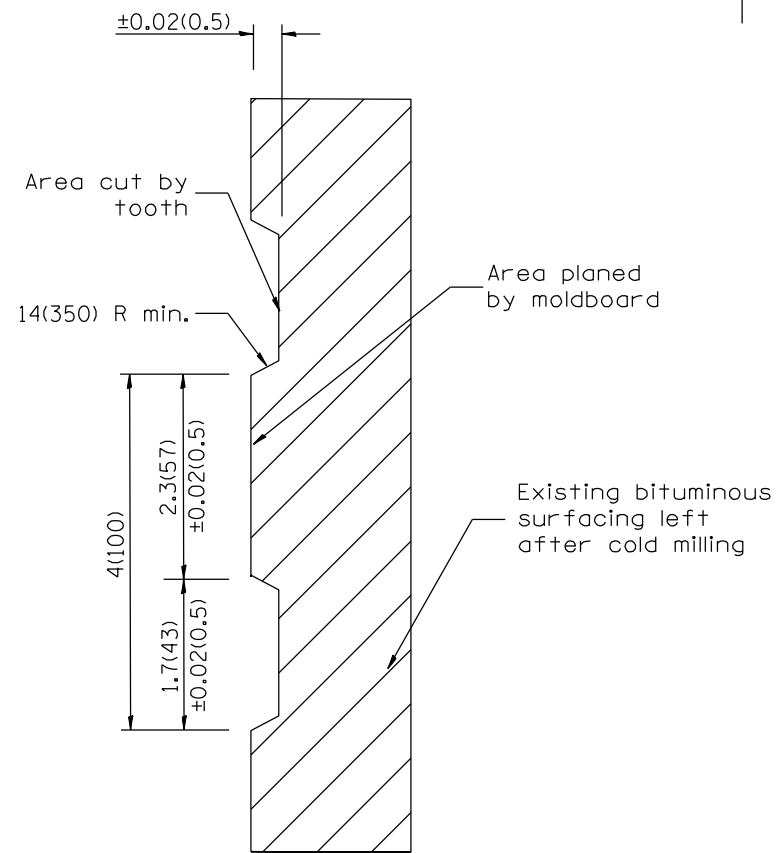
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



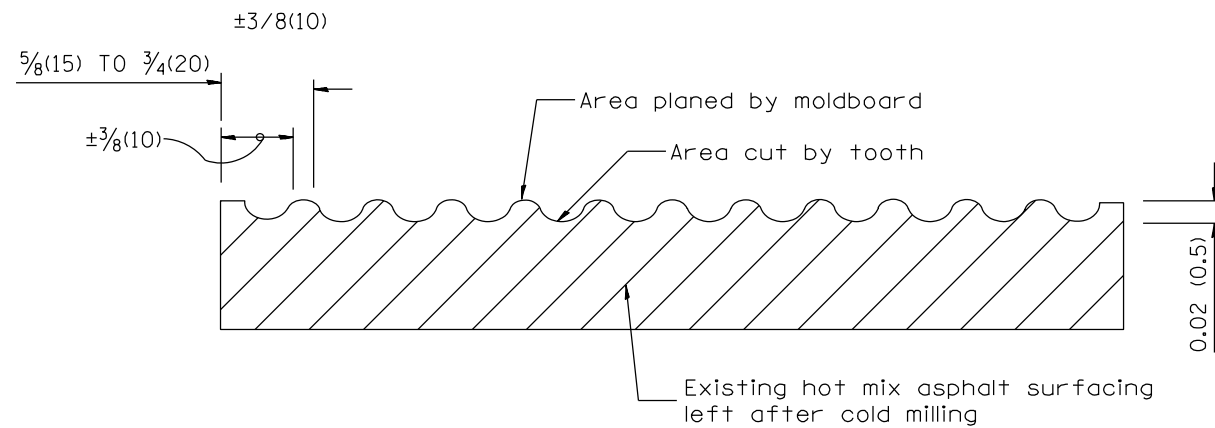
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

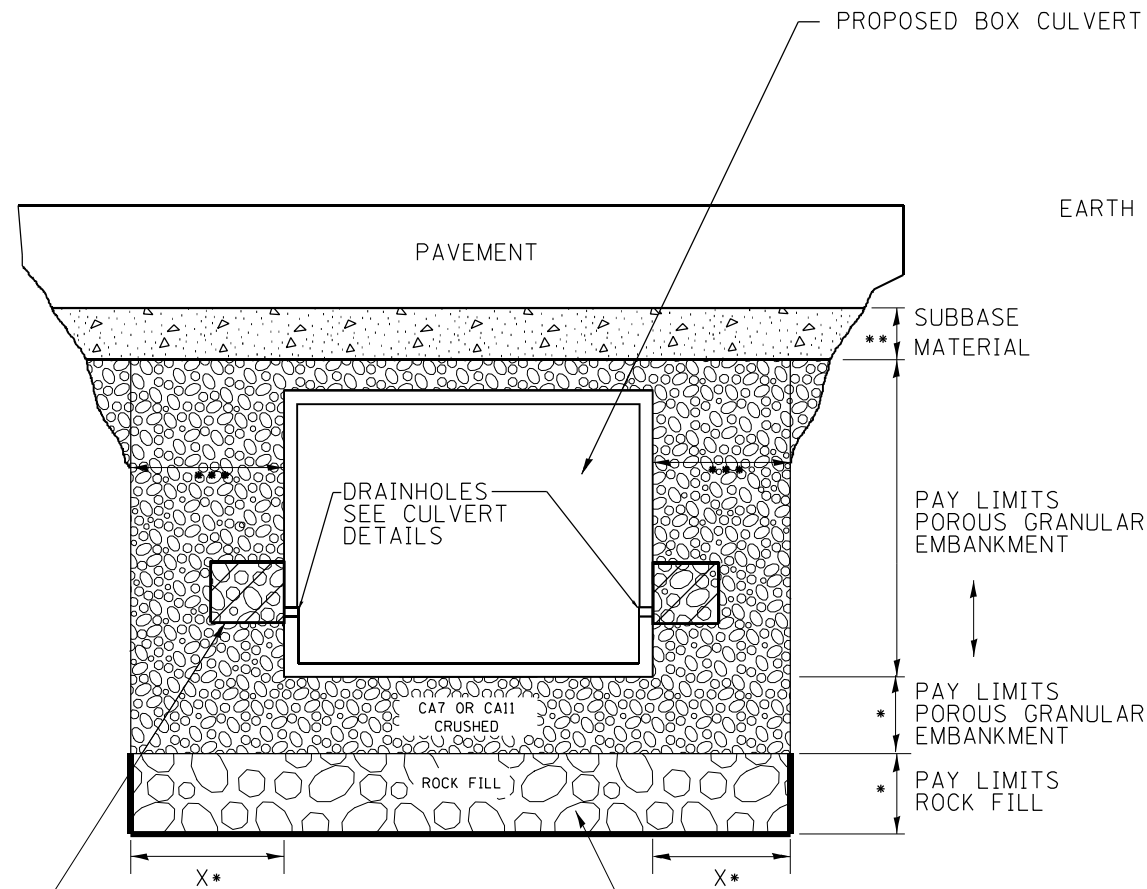
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	74
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

ROADWAY PROFILE VIEW

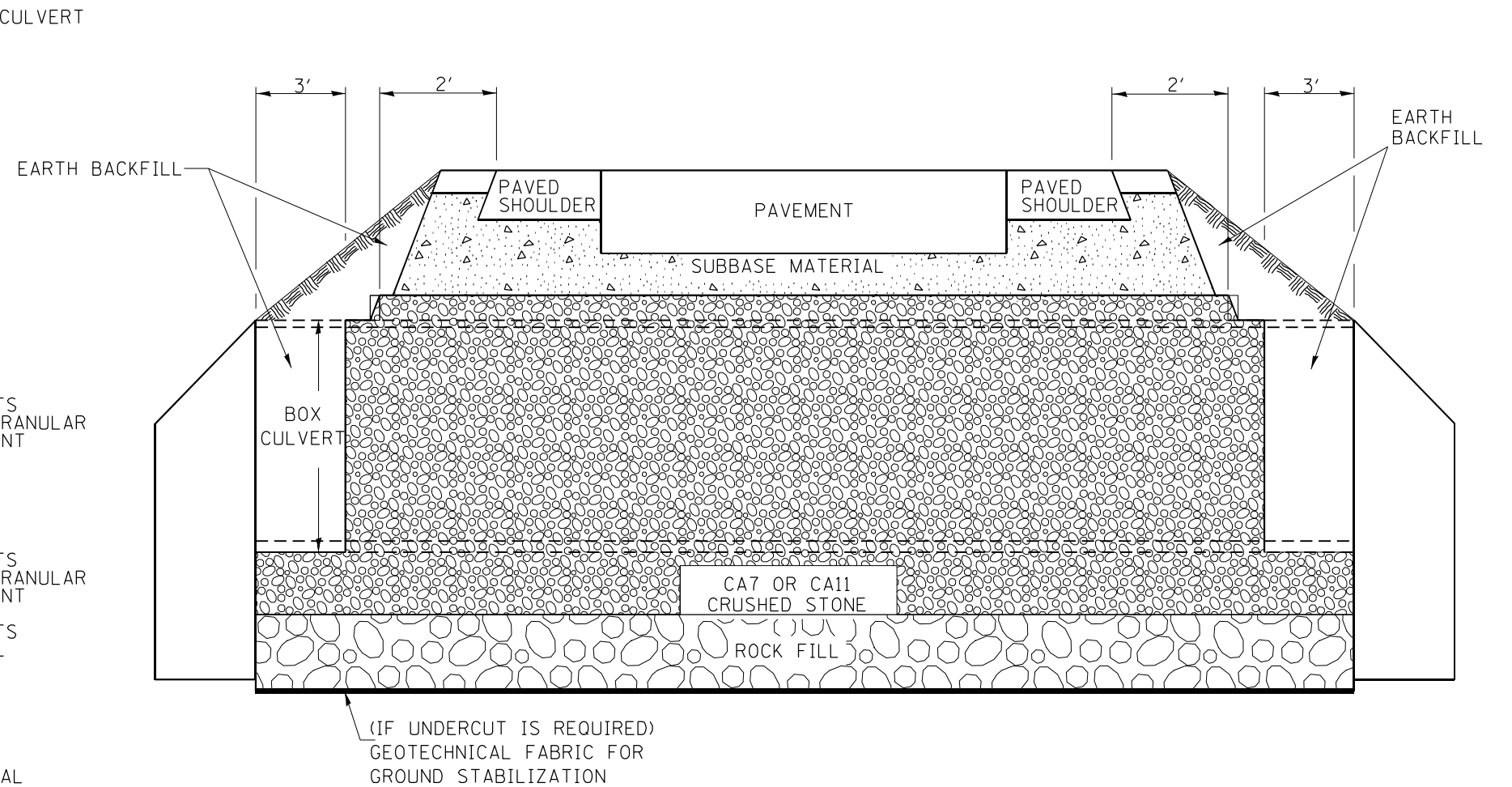


2' x 2' x 2' DEPOSIT OF CA 5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

(IF UNDERCUT IS REQUIRED) PROPOSED REMOVAL & DISPOSAL OF UNSUITABLE, AND REPLACE WITH ROCK FILL WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION. PAID FOR BY RESPECTIVE PAY ITEMS.

- * IF APPLICABLE, SEE UNDERCUT DETAIL FOR DEPTHS AND WIDTHS. IF THERE IS NO UNDERCUT, X = 2 FEET AND SEE NOTE 3 THIS SHEET.
- ** SUBBASE SHALL BE 6" MINIMUM LAYER OF CA6 CRUSHED STONE OR OTHER MATERIAL AS SPECIFIED IN THE PLANS.
- *** PAY LIMITS OF POROUS GRANULAR EMBARKMENT SHALL BE 2 FEET UNLESS OTHERWISE SHOWN IN THE PLANS.

ROADWAY CROSS SECTION VIEW

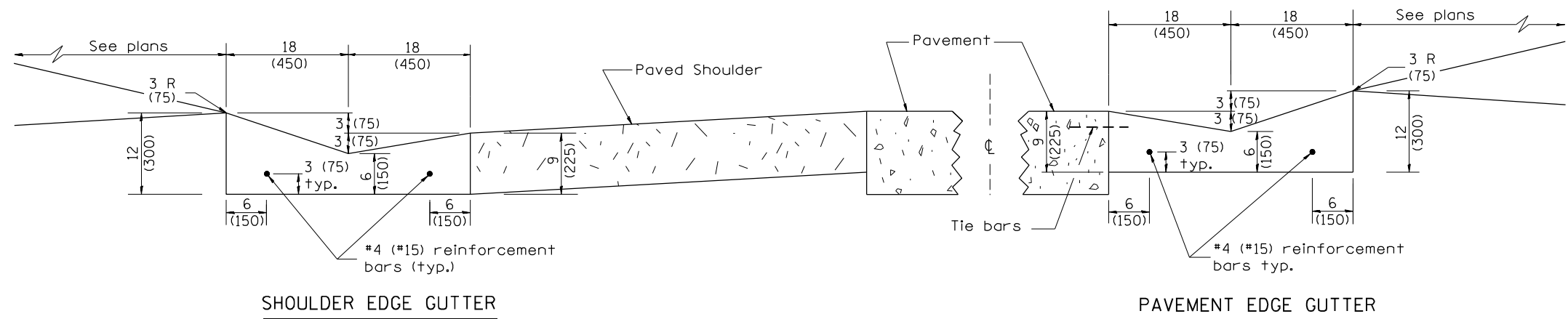


NOTES:

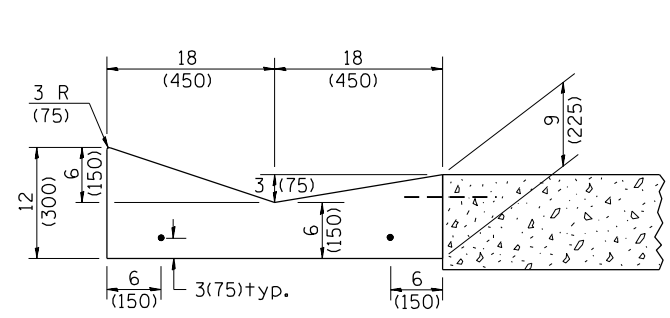
1. EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
2. POROUS GRANULAR EMBARKMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS.
3. IF NO UNDERCUT IS REQUIRED, A 6" MINIMUM LAYER OF POROUS GRANULAR EMBARKMENT SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF BOX CULVERT.

All dimensions are in inches (millimeters) unless otherwise noted.

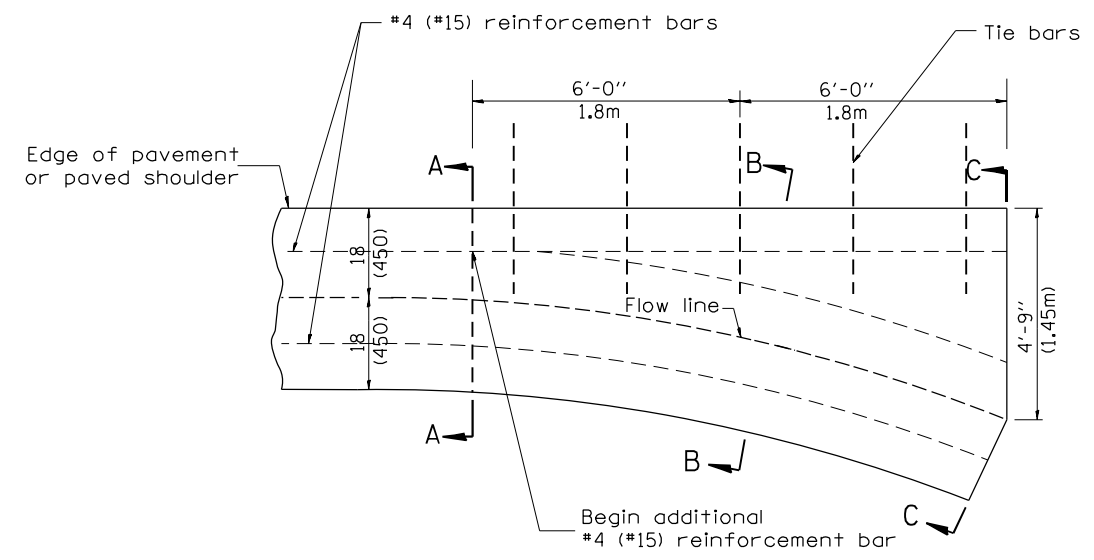
6-12-12	CREATED NEW STD.	R.D.																		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
										NOT TO SCALE					2466	11-CR	WOODFORD	109	75	
										CADD STD. 540000-D4					CONTRACT NO. 68D17					
															ILLINOIS FED. AID PROJECT					



CONCRETE GUTTER, TYPE A, (SPECIAL)

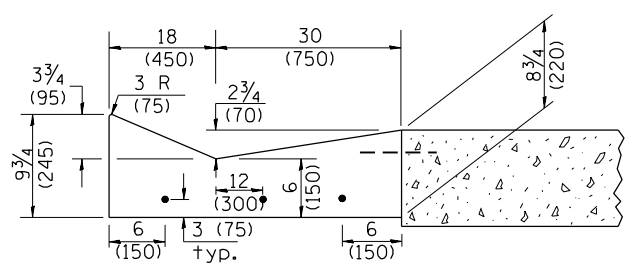


SECTION A-A

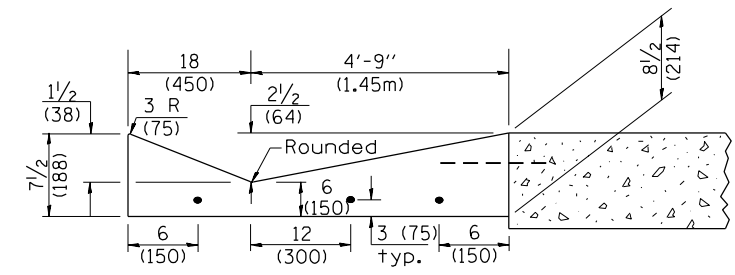


PLAN

QUANTITY
Section C-C to A-A= 1.2 cu. yd.
(0.92 m³) concrete.



SECTION B-B



SECTION C-C

INLET

GENERAL NOTES:

1. CONCRETE GUTTER, TYPE A, (SPECIAL) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6x24 (No. 19x600) at 36" (900mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m²).

QUANTITIES

CALC. BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

01-01-97	RENUM. A-1.02, NEW REVISION BOX, ELIMINATED	T.P.	01-10-07	REVISED QUANTITY	M.A.
	EXPANSION ANCHOR TIES		11-16-07	REVISED QUANTITY	M.A.
02-28-02	ENTRANCE TYPICALS REVISED	M.A.	02-15-11	CHANGED MODIFIED TO SPECIAL	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.	01-31-18	REVISED TIE BAR SIZE & SPACING	R.D.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

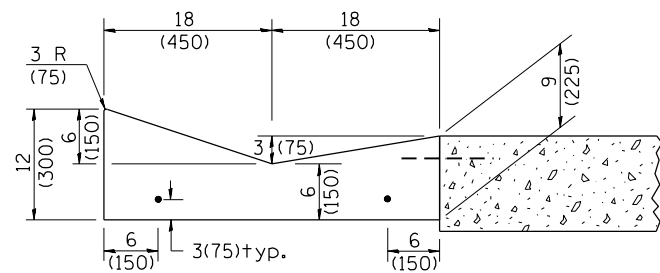
**CONCRETE GUTTER, TYPE A, (SPECIAL)
(INLET, OUTLET & ENTRANCE)**

NOT TO SCALE

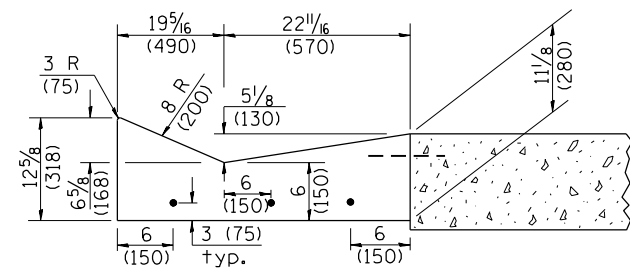
SHT. 1 OF 3
CADD STD. 606101-D4

All dimensions are in inches (millimeters) unless otherwise noted.

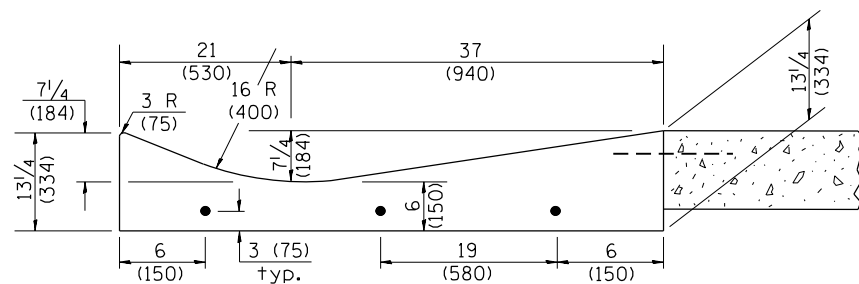
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	76
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



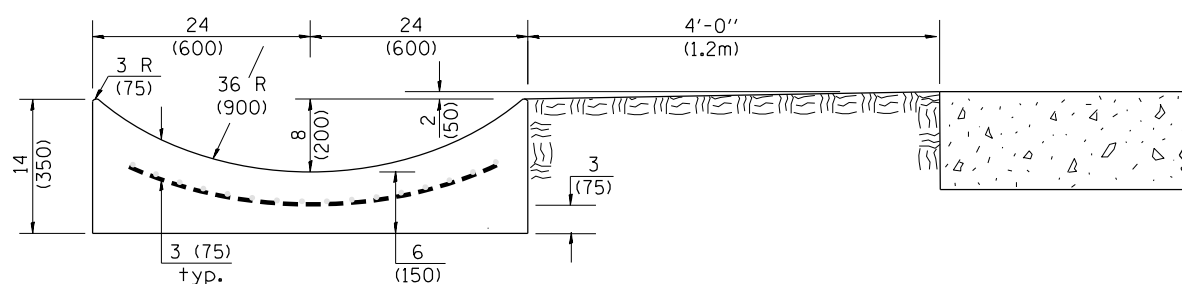
SECTION A-A



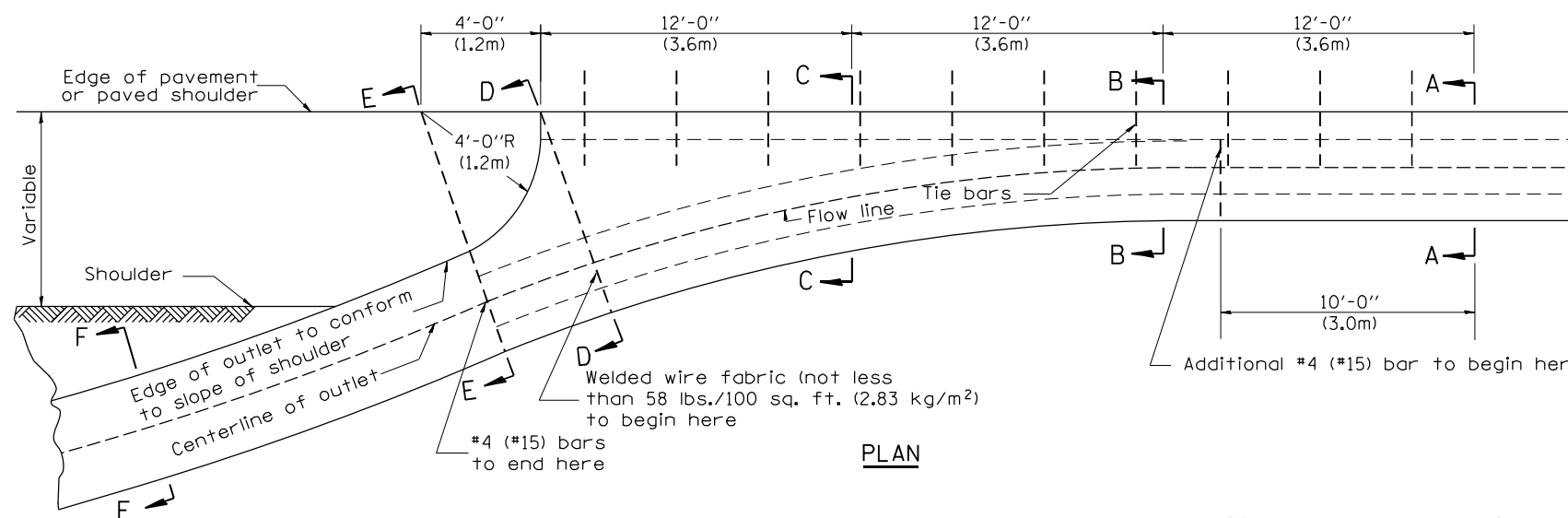
SECTION B-B



SECTION C-C



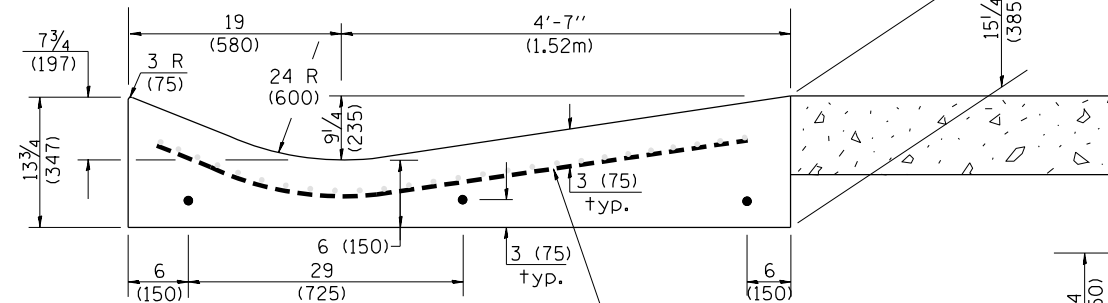
SECTION E-E



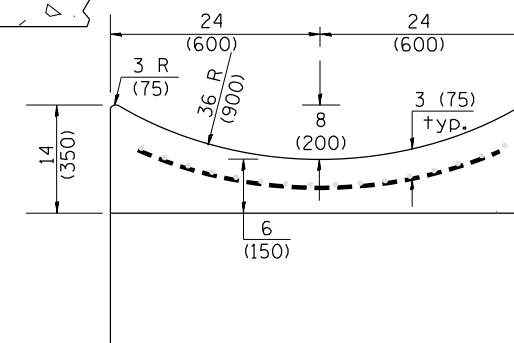
PLAN

QUANTITY
 Section A-A to E-E = 4.5 cu. yd. (3.36 m³) concrete.
 Section E-E to F-F = 0.10 cu. yd./ft. (0.26 m³/m) concrete.

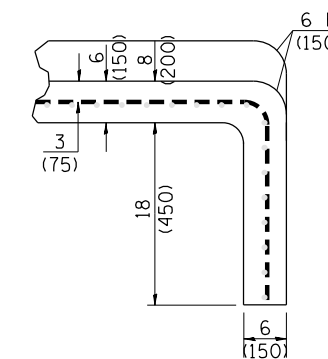
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTION F-F



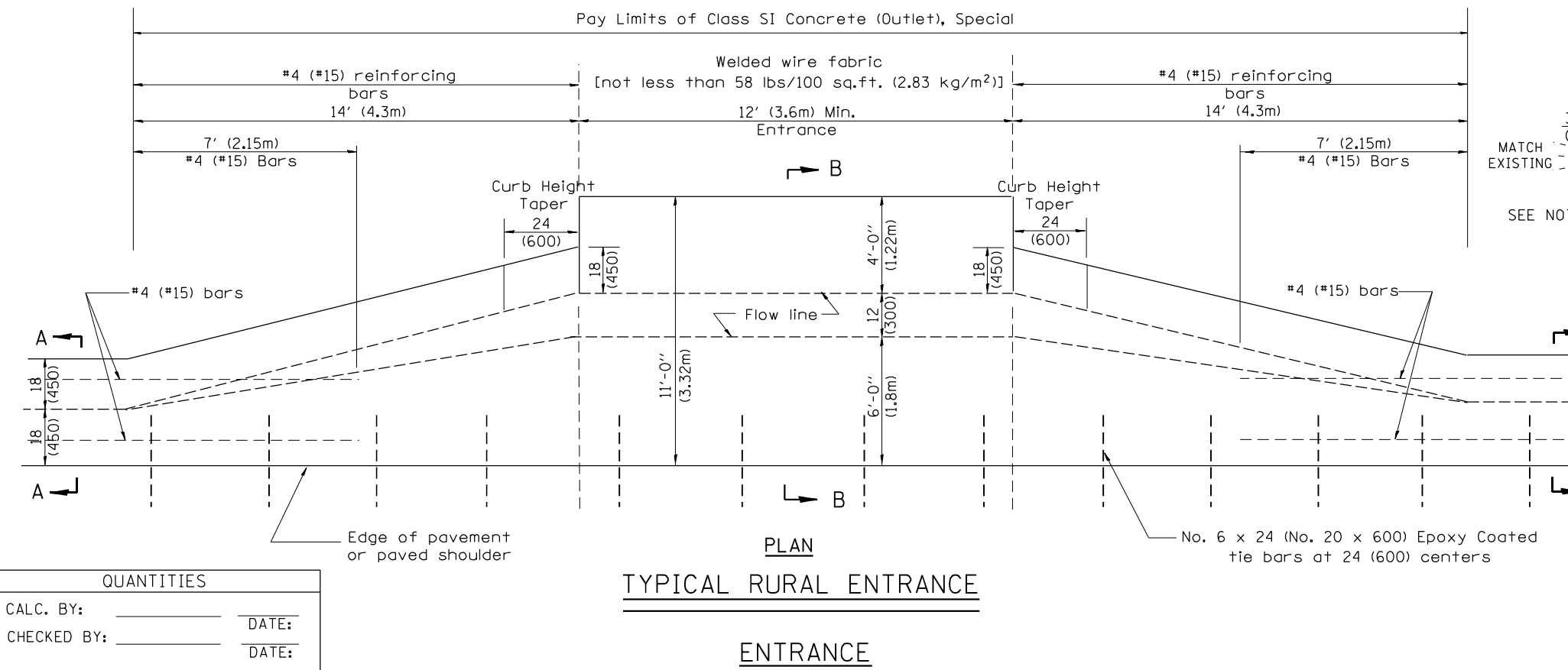
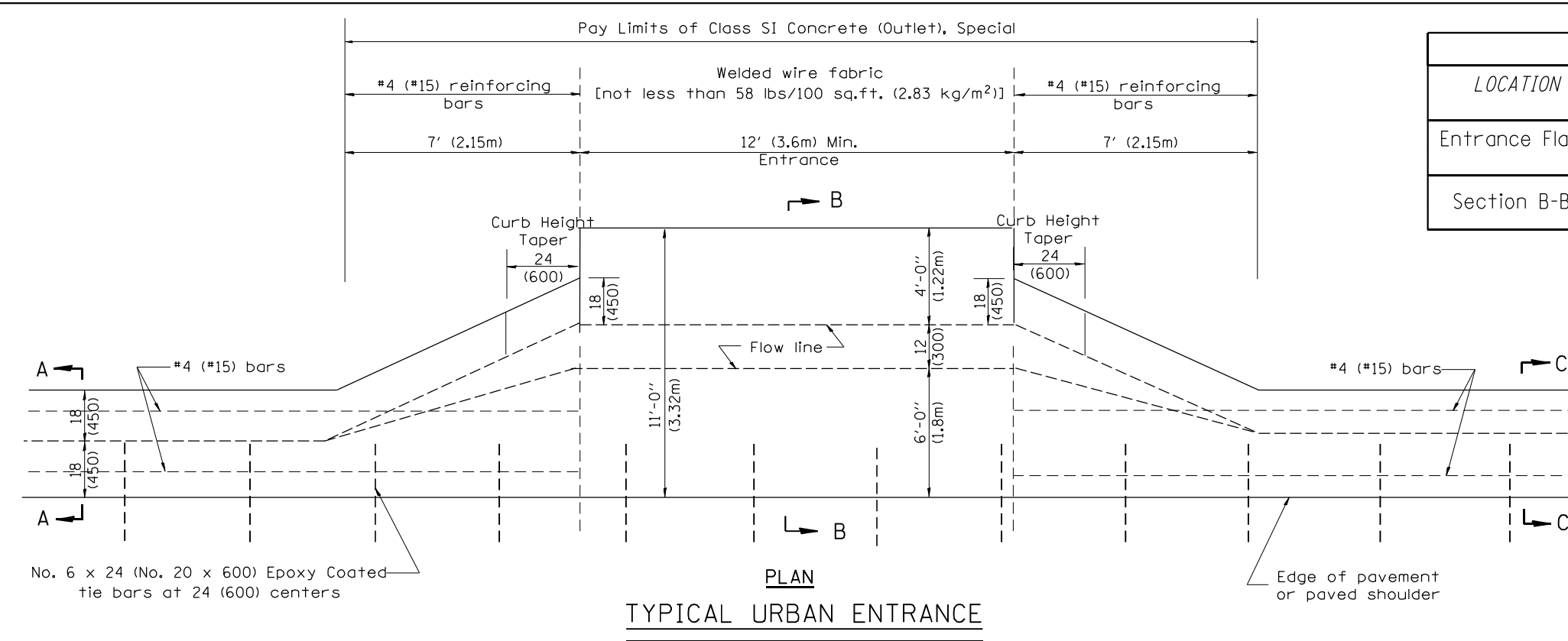
SECTIONS AT END OF OUTLET
(CURTAIN WALL)

QUANTITY
 Curtain Wall = 0.1 cu. yd. (0.08 m³) concrete.

QUANTITIES
 CALC. BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

OUTLET

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	77
CONTRACT NO. 68D17				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



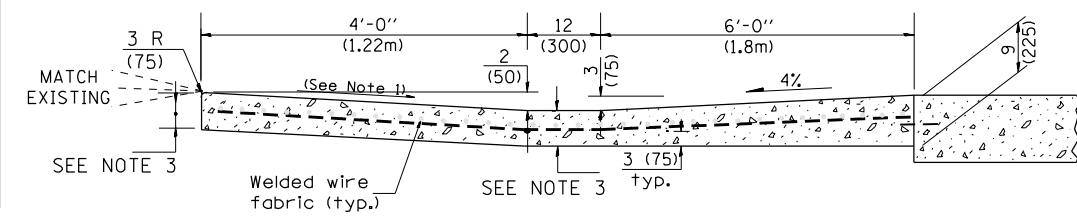
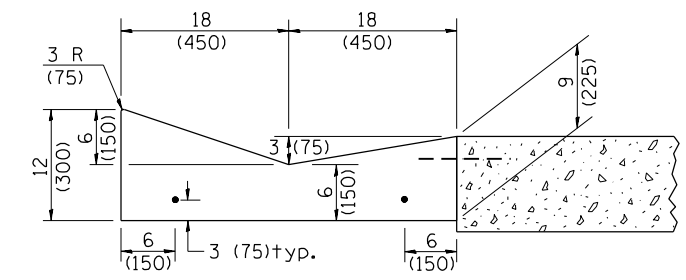
QUANTITIES

CALC. BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

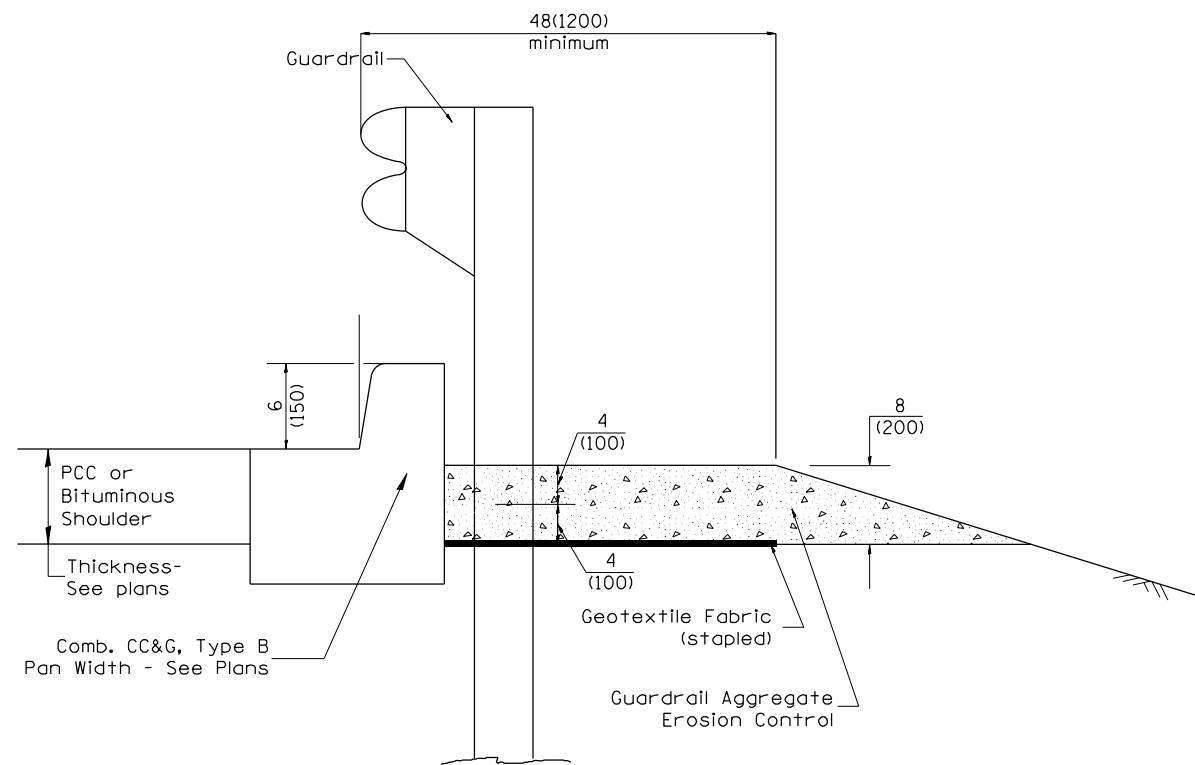
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

QUANTITY CALCULATION			
LOCATION	LENGTH	NON-COMMERCIAL 6 (150)	COMMERCIAL ENTRANCE 8 (200)
Entrance Flare	7 Ft (2.15 m) Urban 14 Ft (4.30 m) Rural	0.15 Cu Yd / Ft (0.37 Cu M / M)	0.18 Cu Yd / Ft (0.45 Cu M / M)
Section B-B	See Plans	0.23 Cu Yd / Ft (0.57 Cu M / M)	0.28 Cu Yd / Ft (0.70 Cu M / M)



- GENERAL NOTES**
- Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.
 - The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.
 - For Non-Commercial Entrances the driveway thickness shall be 6 (150). For Commercial Entrances the driveway thickness shall be 8 (200).

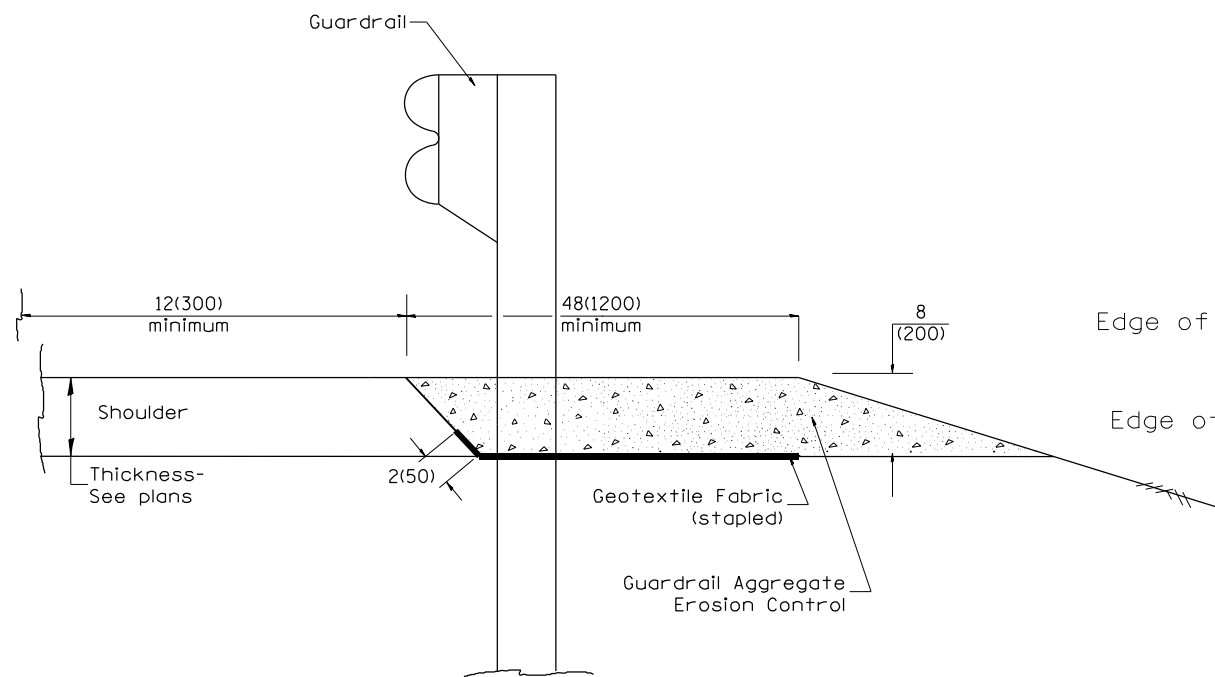
All dimensions are in inches (millimeters) unless otherwise noted.



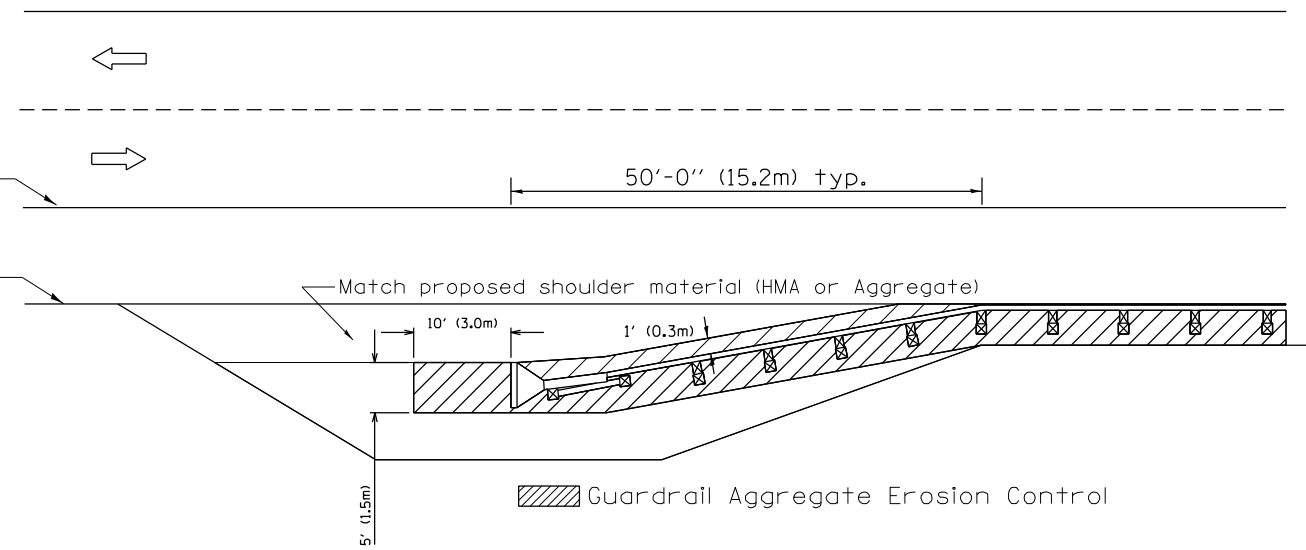
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



TYPICAL SECTION WITHOUT EROSION CONTROL CURB



All dimensions are in inches (millimeters) unless otherwise noted.

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

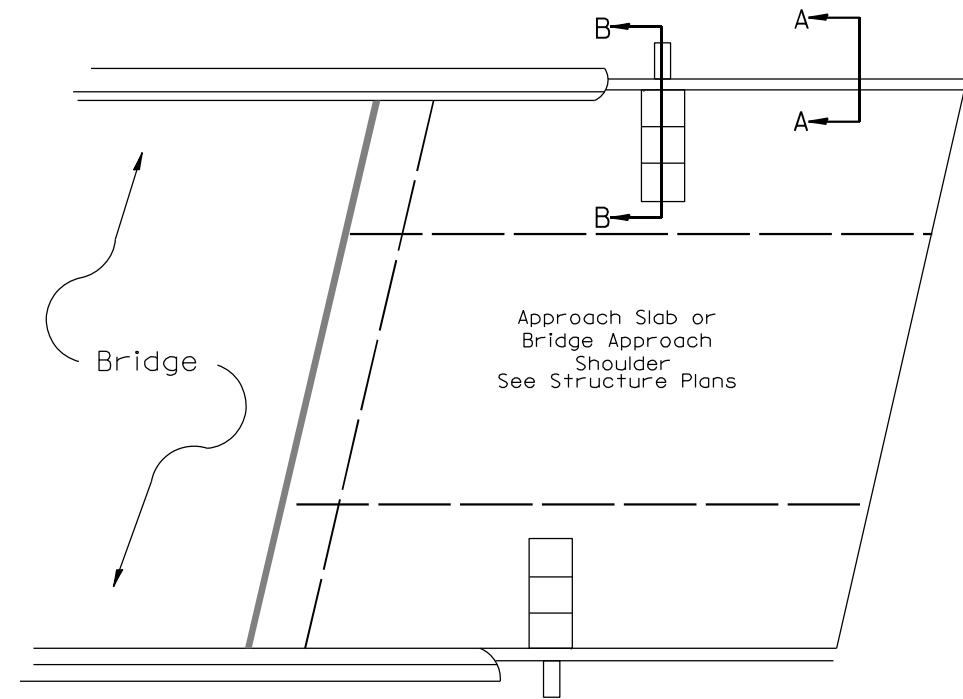
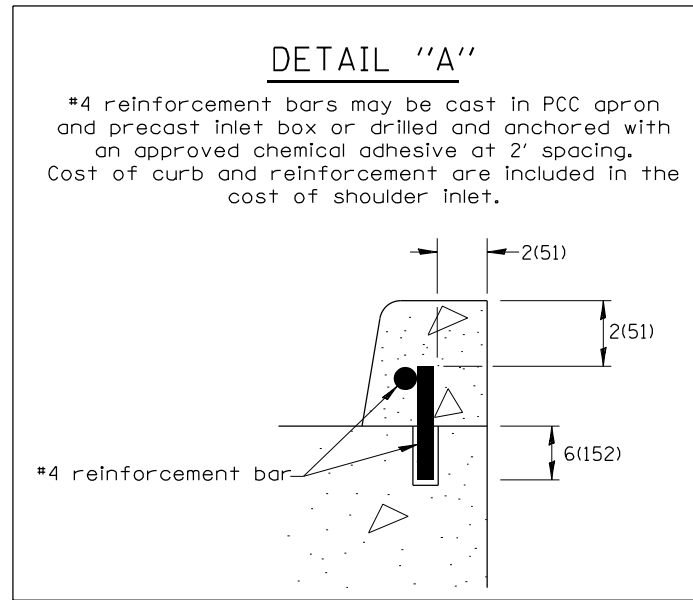
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

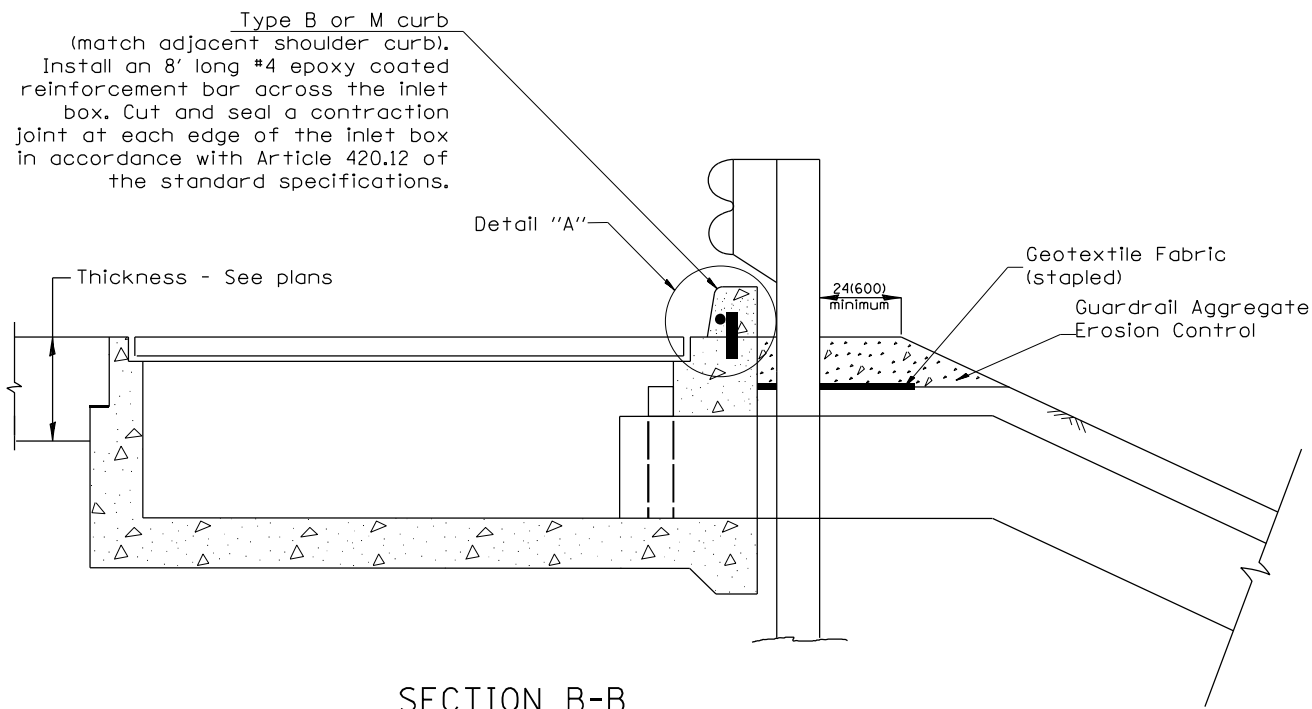
GUARDRAIL EROSION CONTROL TREATMENTS

SHT. 1 OF 2
CADD STD. 630101-D4

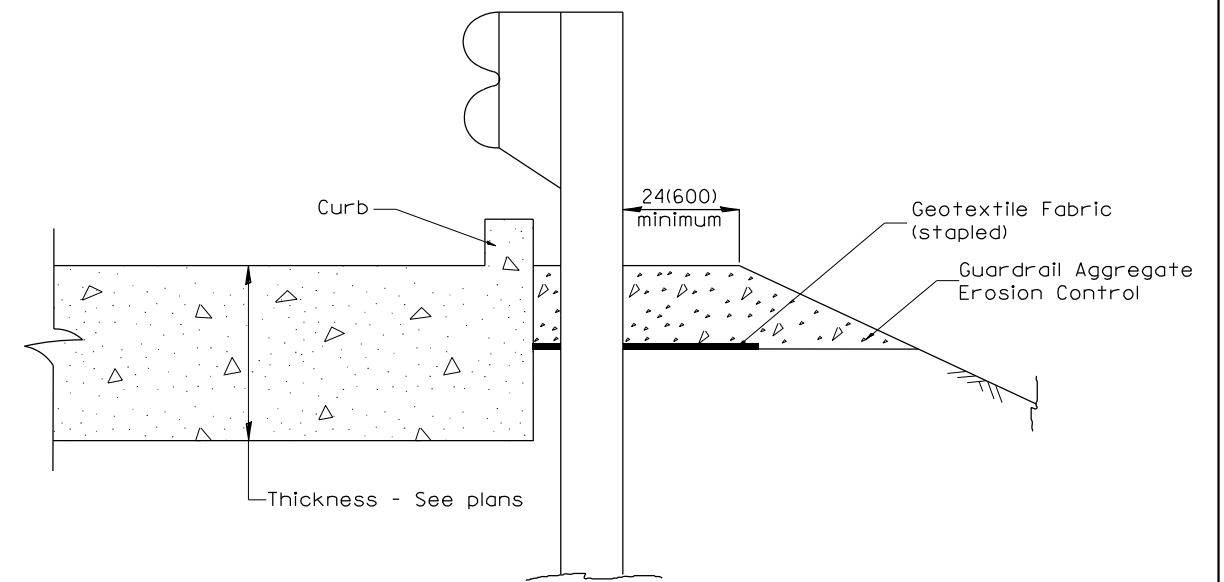
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	79
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



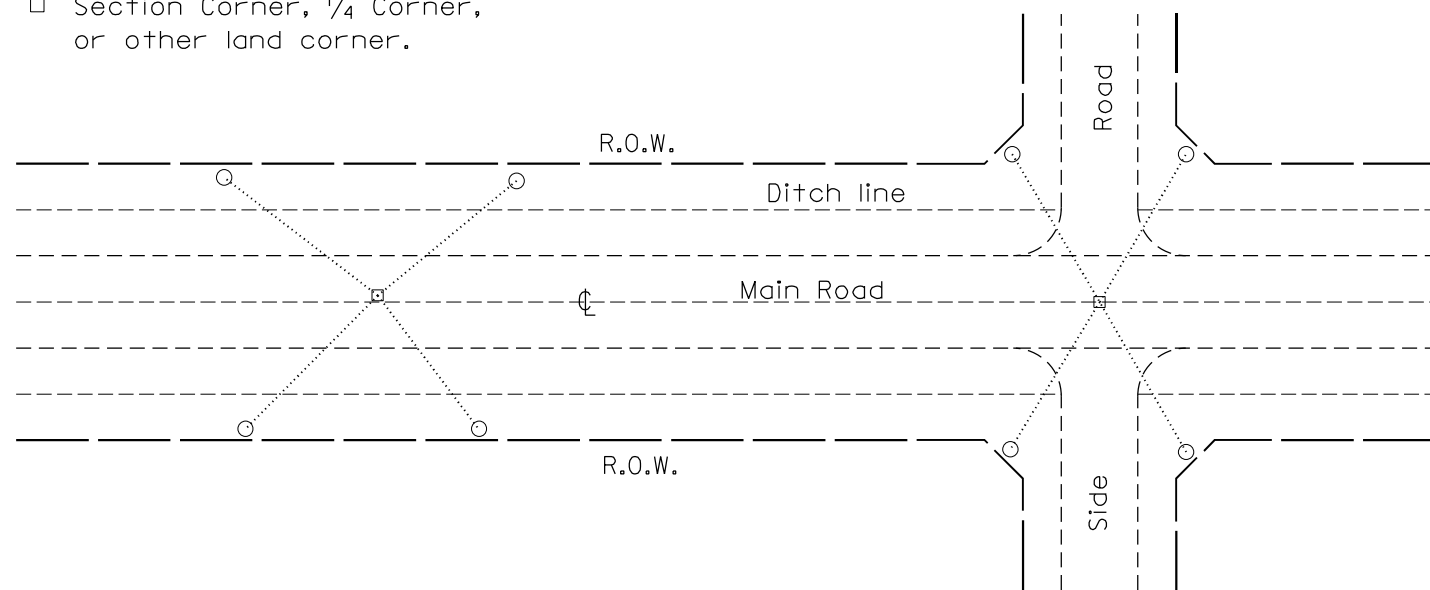
SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters) unless otherwise noted.

STATE OF ILLINOIS				GUARDRAIL EROSION CONTROL TREATMENTS				TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION				NOT TO SCALE				2466	80
				SHT. 2 OF 2				CONTRACT NO. 68D17	
				CADD STD. 630101-D4				ILLINOIS FED. AID PROJECT	

PERMANENT SURVEY TIES

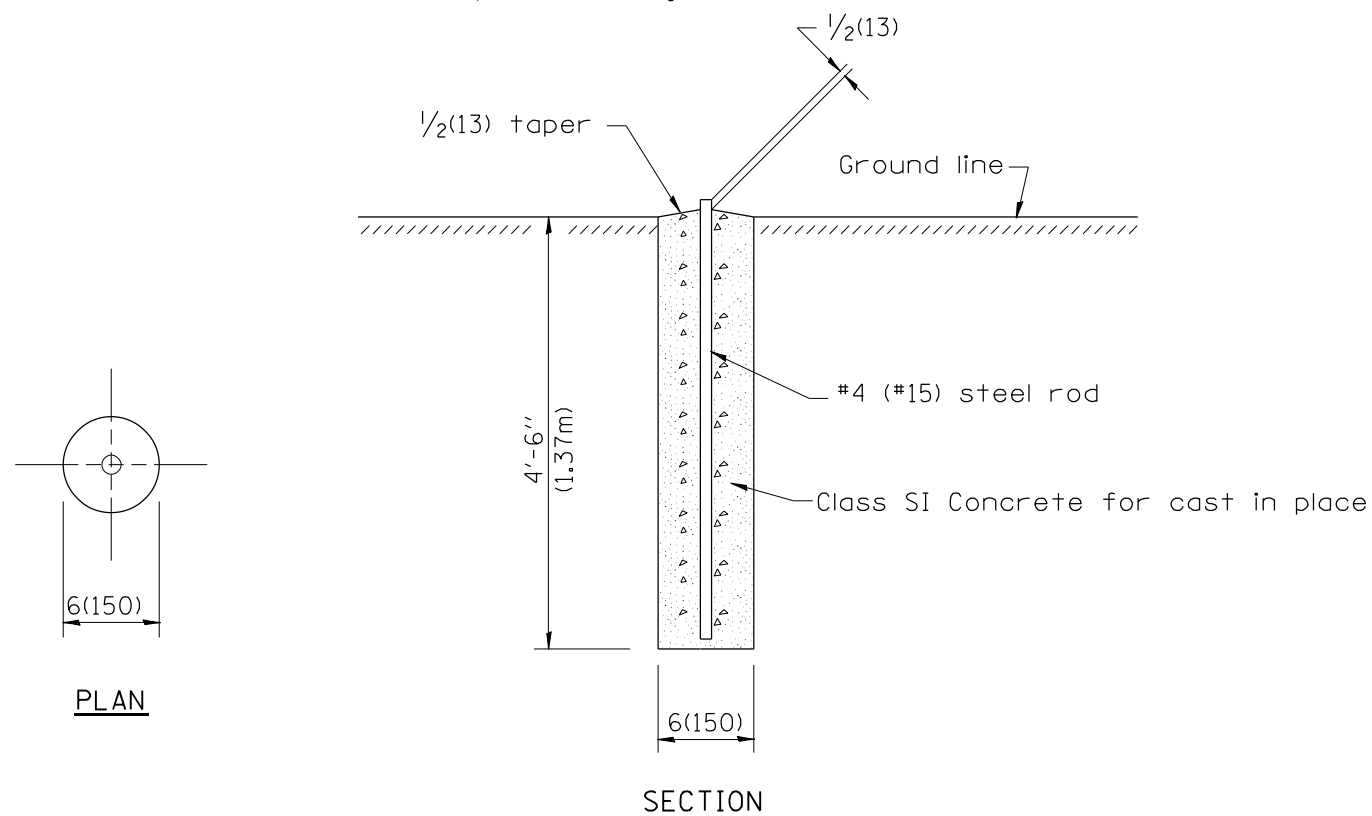
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



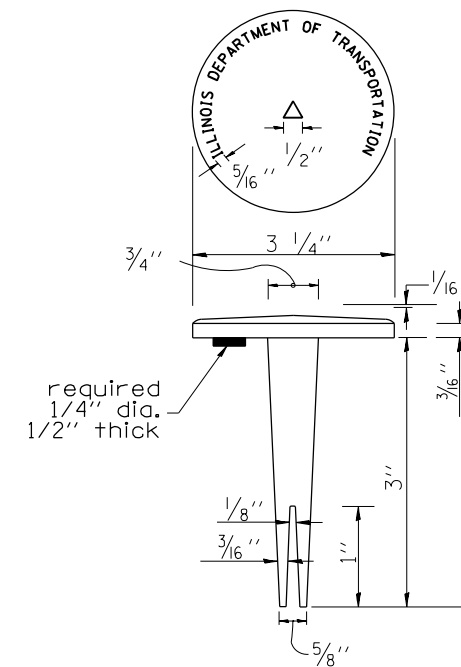
TYPICAL APPLICATION

GENERAL NOTES

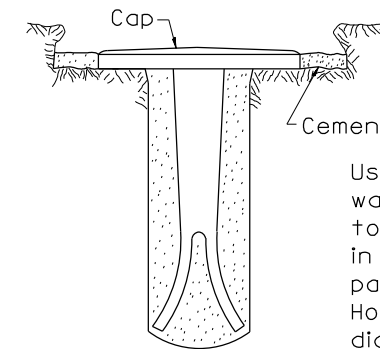
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PERMANENT SURVEY MARKERS

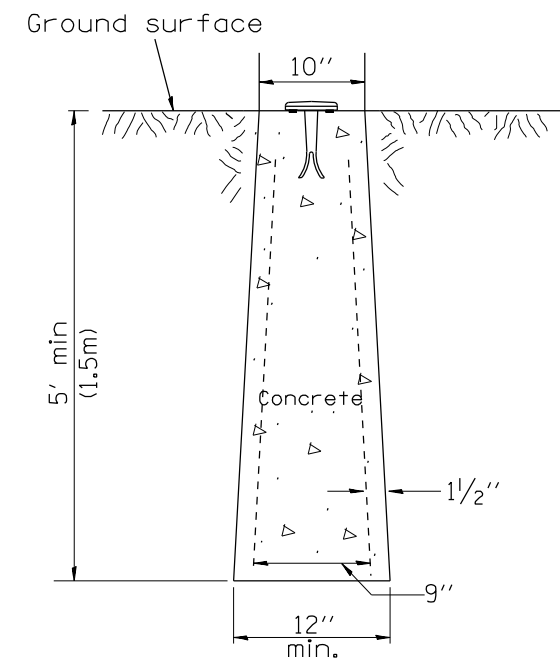


BRASS TABLET



Tablet constructed in rock ledge or concrete.

TYPE I



**TYPE II
CAST-IN-PLACE MARKER**

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.	08-25-15	REVISED MATERIAL	R.D.

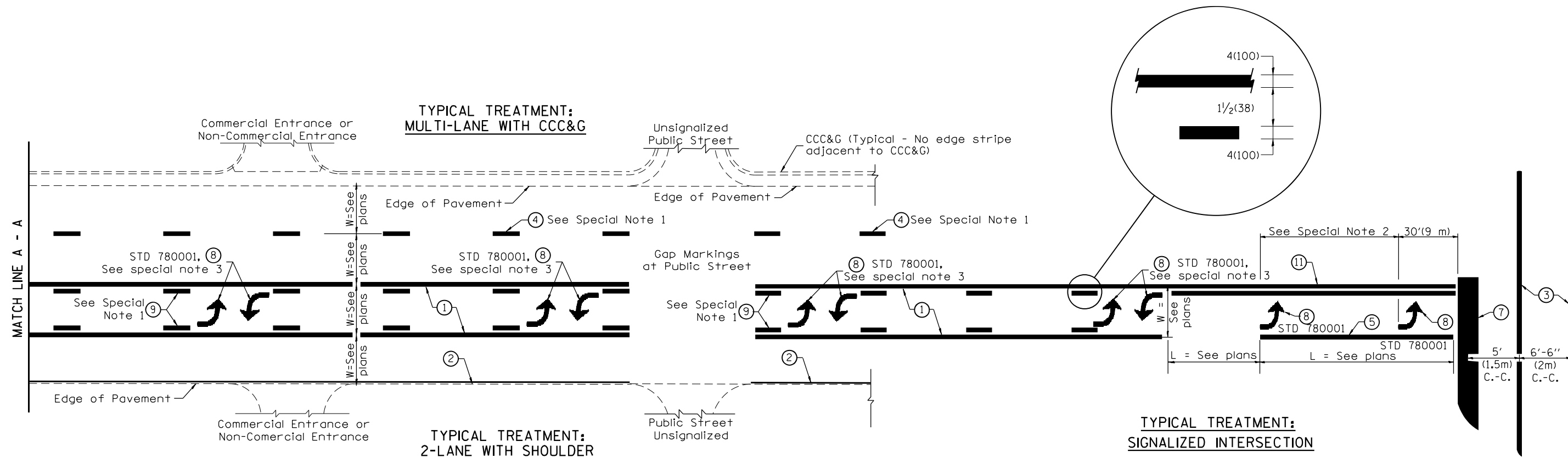
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I - TY.II**

CADD STD. 667101-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	81
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- The following shall apply to arrows located in one-way left turn lanes:
 - A minimum of two (2) arrows is required.
 - The maximum spacing between arrows is 80' (24 m).
 - Arrows shall be evenly spaced if three (3) or more are required.
- The following shall apply to arrow pairs located in two-way left turn lanes:
 - A minimum of two (2) arrow pairs is required.
 - The maximum spacing between arrow pairs is 200' (61 m).
 - Arrow pairs shall be evenly spaced if three (3) or more are required.
 - The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

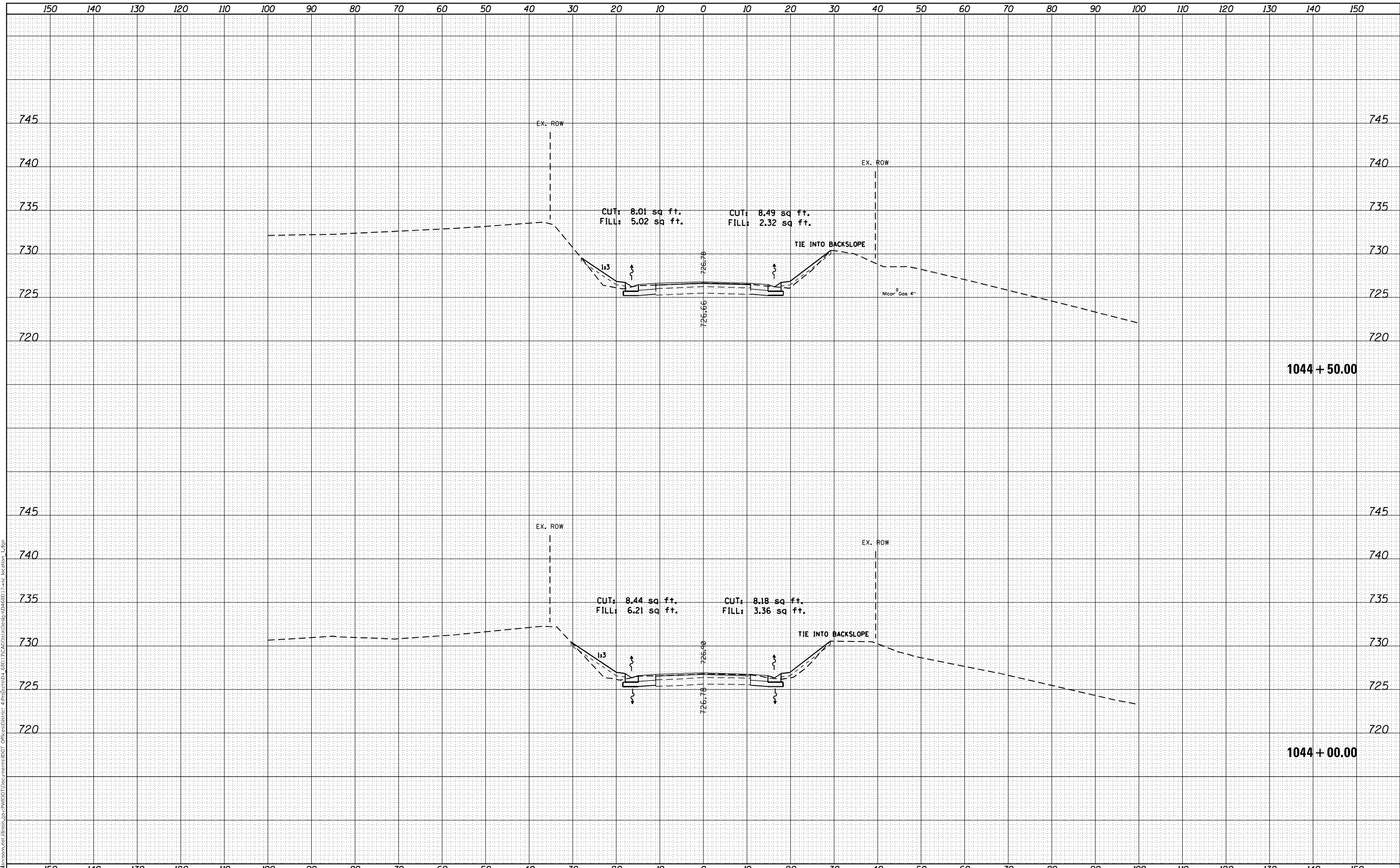
SHT. 1 OF 2
CADD STD. 780001-D4

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	82
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D17	

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

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

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	DRAWN -	REVISED -
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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
LOCATION 1**

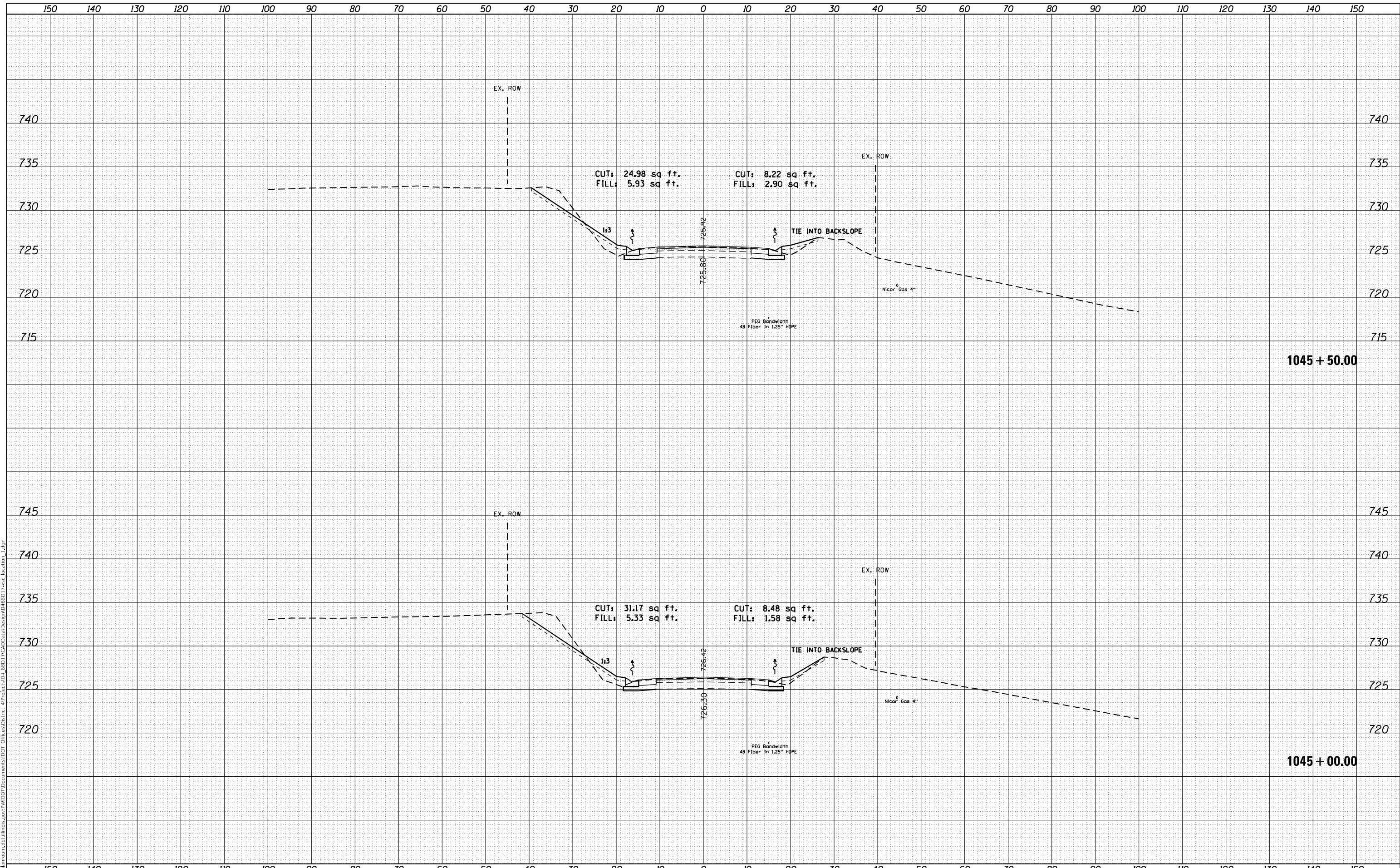
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	85
				CONTRACT NO. 68D17
		ILLINOIS	FED. AID PROJECT	

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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	DRAWN -	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 LOCATION 1**

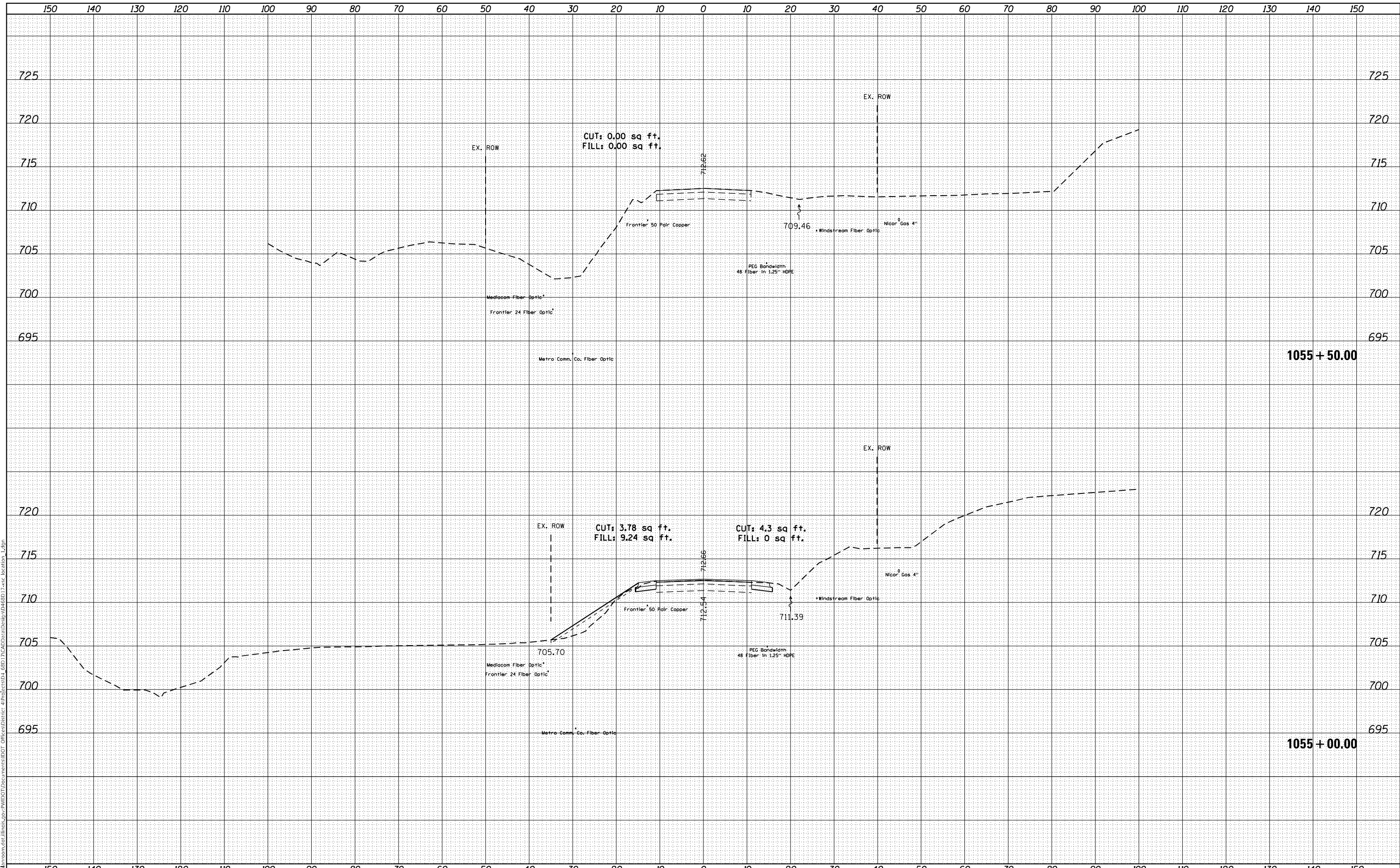
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	86
			CONTRACT NO. 68D17	
		ILLINOIS	FED. AID PROJECT	

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

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

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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

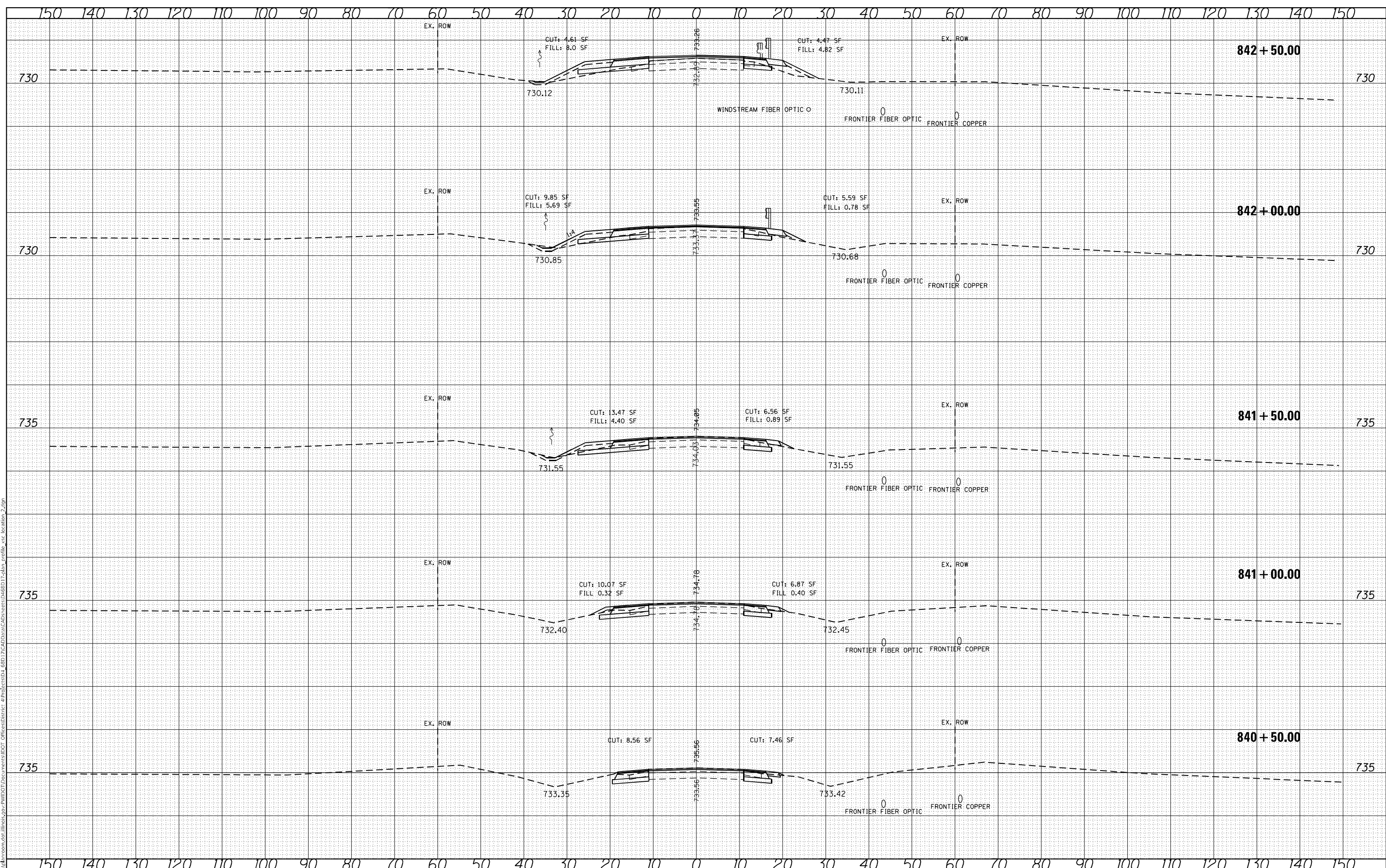
CROSS SECTIONS	
LOCATION 1	
SCALE:	SHEET OF SHEETS
STA. 1055+00.00 TO STA. 1055+50.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	98
CONTRACT NO. 68D17				
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	
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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

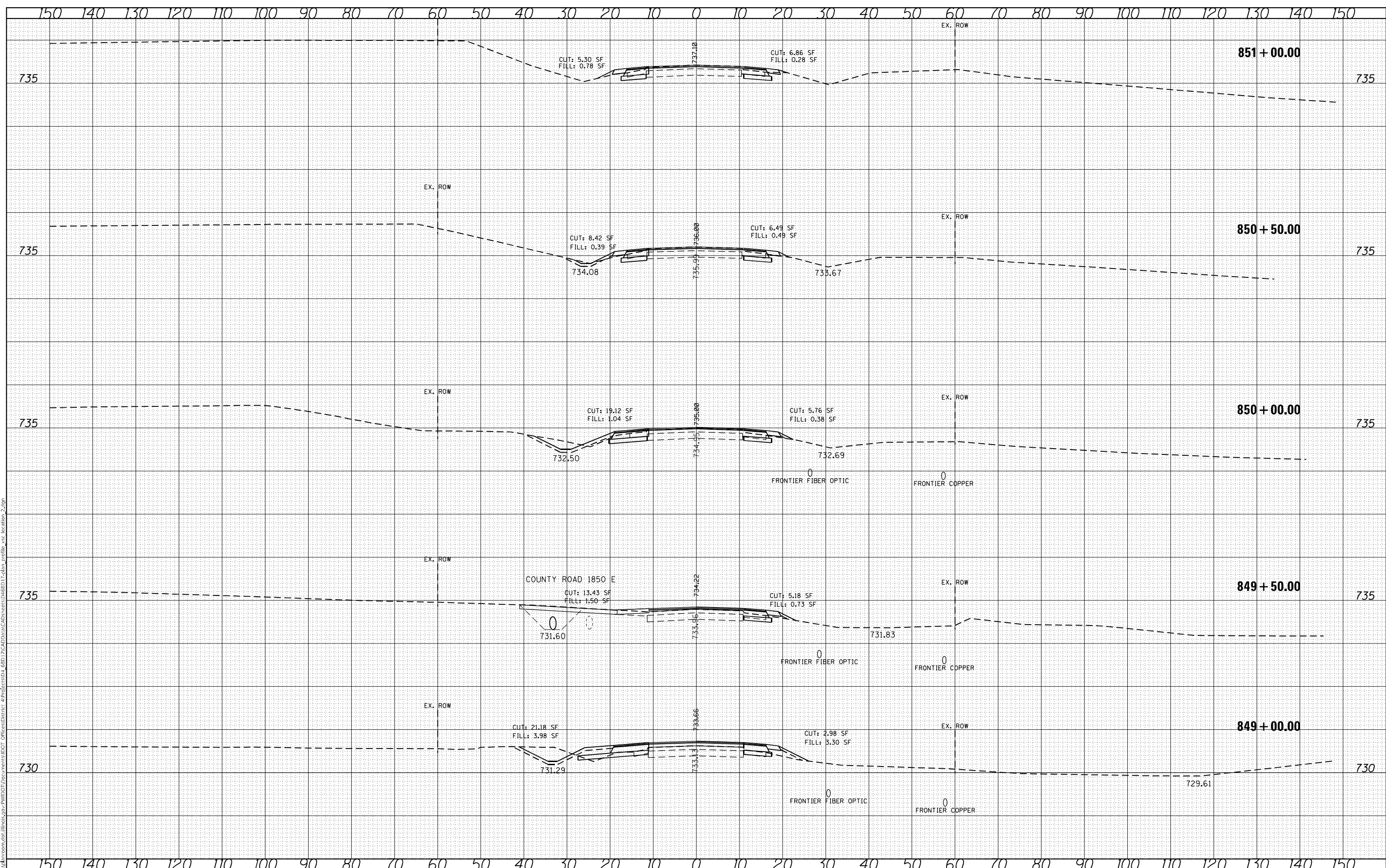
CROSS SECTIONS LOCATION 2	
SCALE:	SHEET 55 OF 505 SHEETS
STA. 840+50.00	TO STA. 842+50.00

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 100
			CONTRACT NO. 68D17	
		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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 LOCATION: 2.dgn



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	DRAWN -	REVISD -
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PLOT DATE = 6/25/2021	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 LOCATION 2**

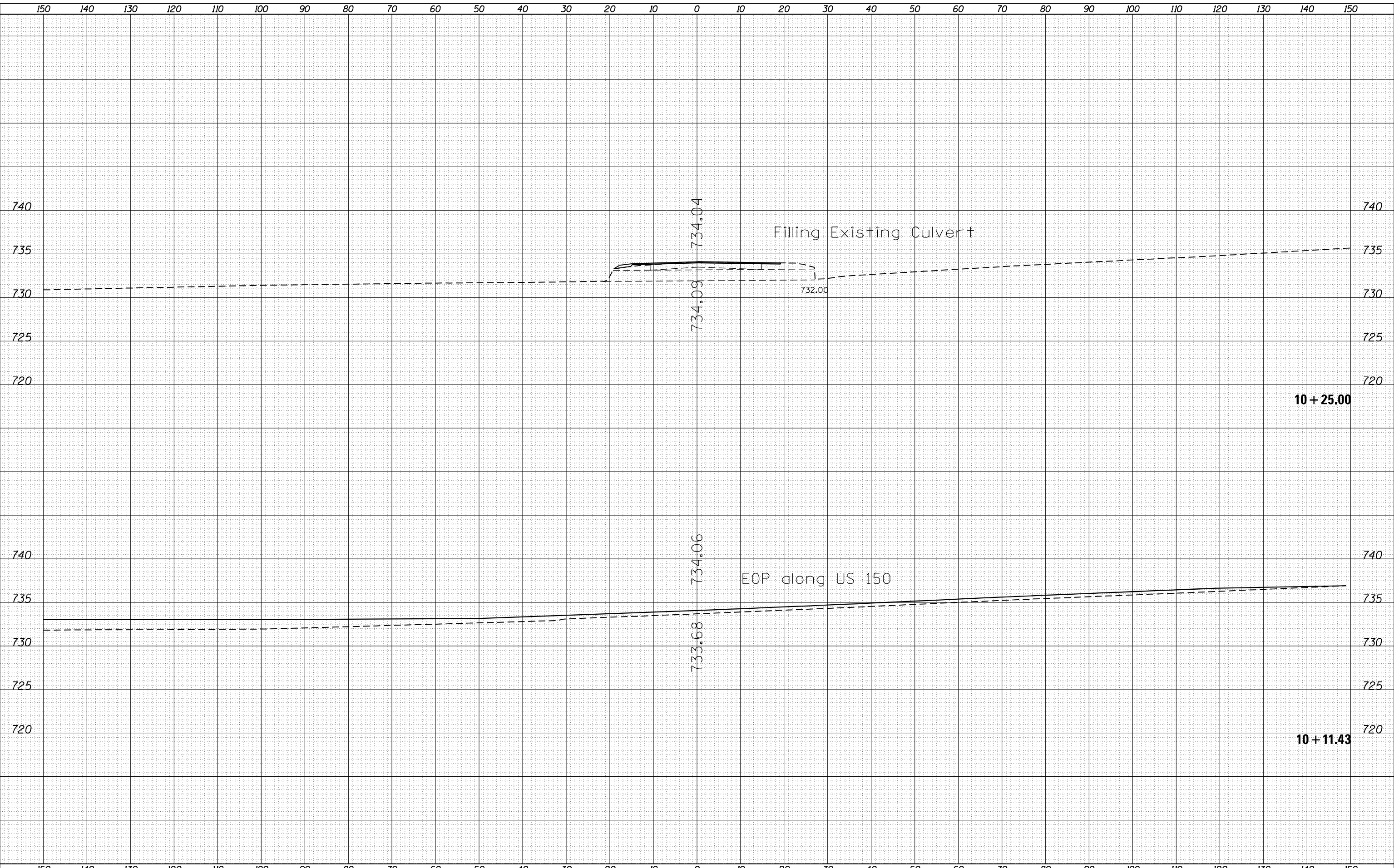
SCALE: SHEET 55 OF 505 SHEETS STA. 849+00.00 TO STA. 851+00.00

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 104
CONTRACT NO. 68D17				
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		

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	DRAWN -	REVISED -
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PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

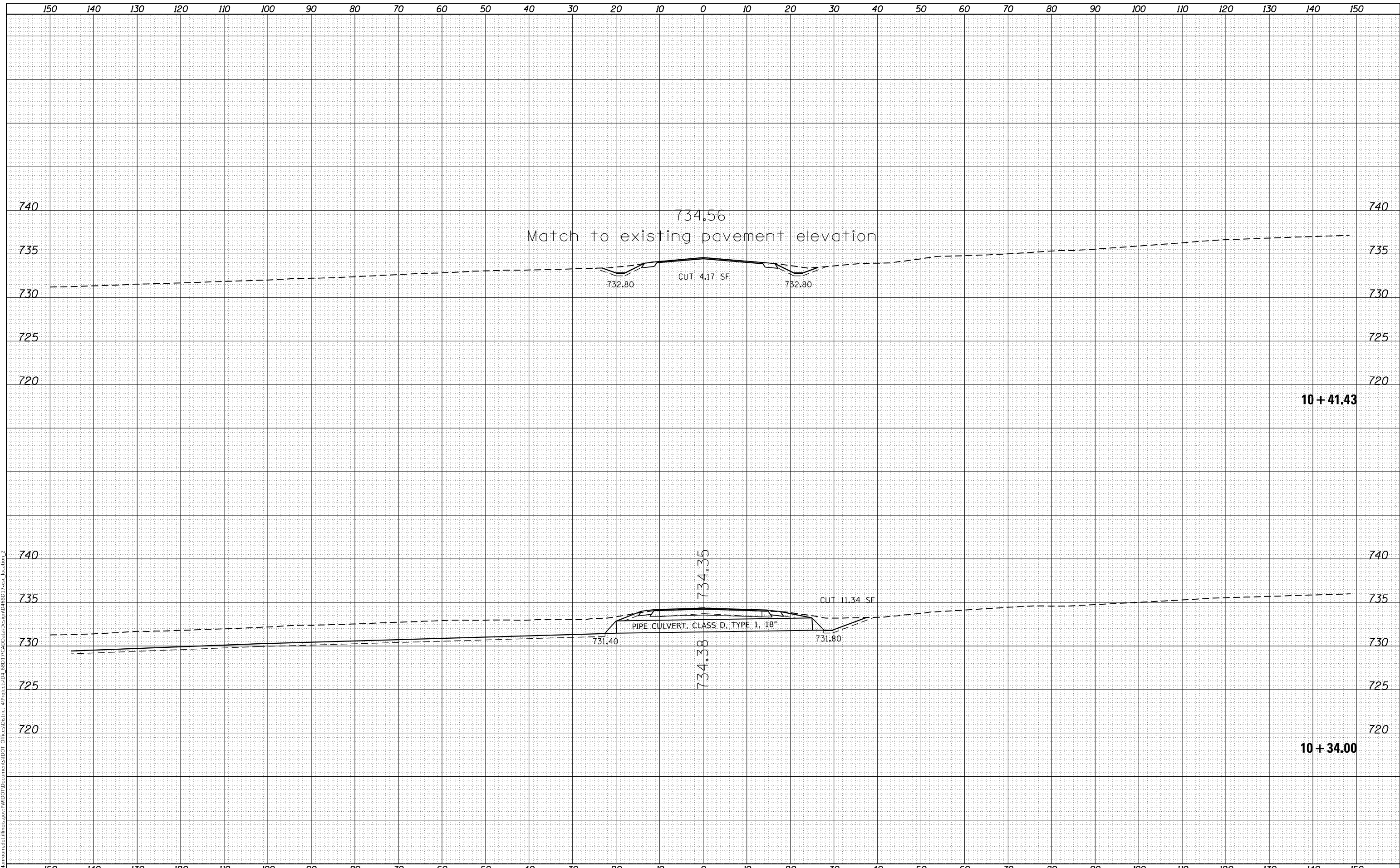
CROSS SECTIONS	
COUNTY ROAD 1850 E	
SCALE:	SHEET OF SHEETS
STA. 10+11.43	TO STA. 10+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	106
				CONTRACT NO. 68D17
		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		

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USER NAME = everscd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0011 * / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 COUNTY ROAD 1850 E**

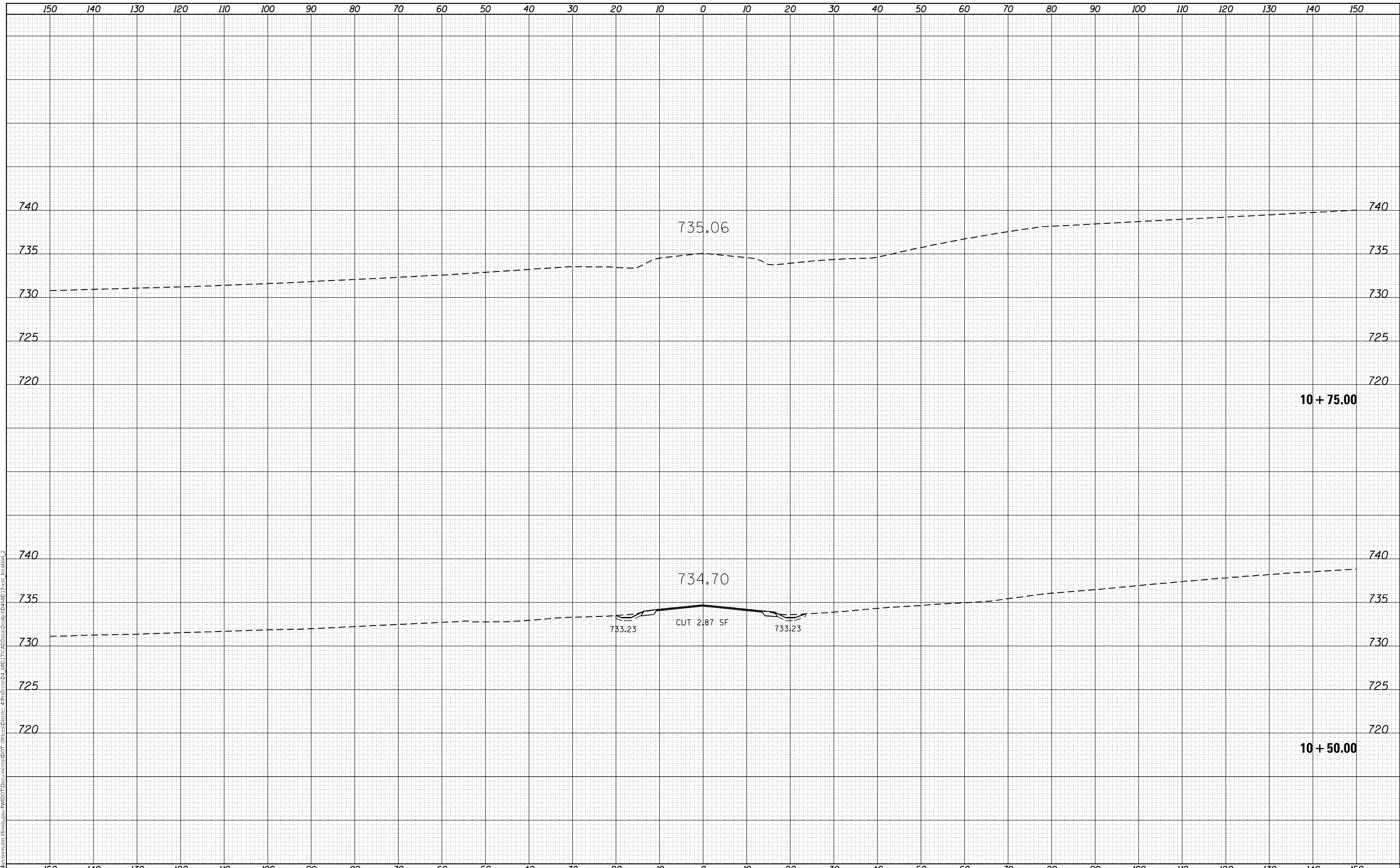
SCALE: SHEET OF SHEETS STA. 10+34.00 TO STA. 10+41.43

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2466	11-CR	WOODFORD	109	107
			CONTRACT NO. 68D17	
		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	

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10 + 75.00

10 + 50.00

USER NAME = eversct	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0011' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 COUNTY ROAD 1850 E**

SCALE: SHEET OF SHEETS STA. 10+50.00 TO STA. 10+75.00

F.A.S. RTE. 2466	SECTION 11-CR	COUNTY WOODFORD	TOTAL SHEETS 109	SHEET NO. 108
			CONTRACT NO. 68D17	
		ILLINOIS	FED. AID PROJECT	

