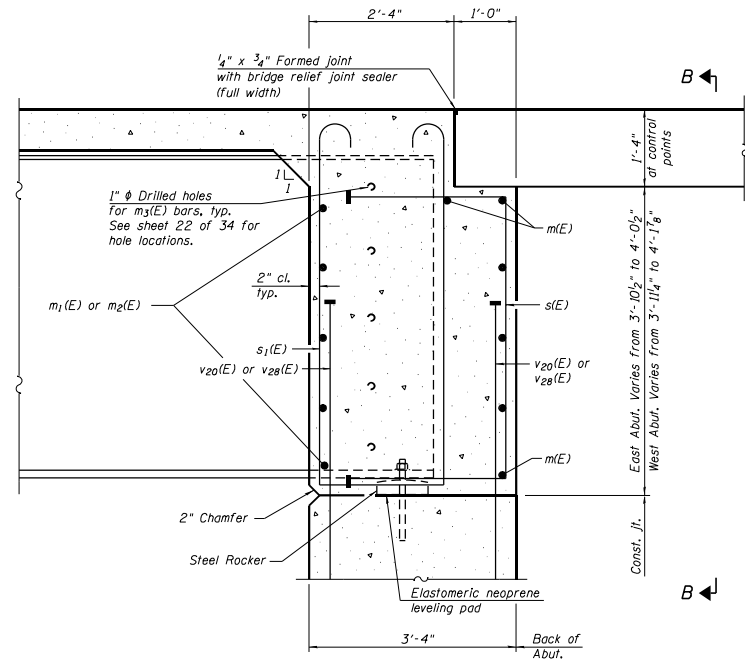
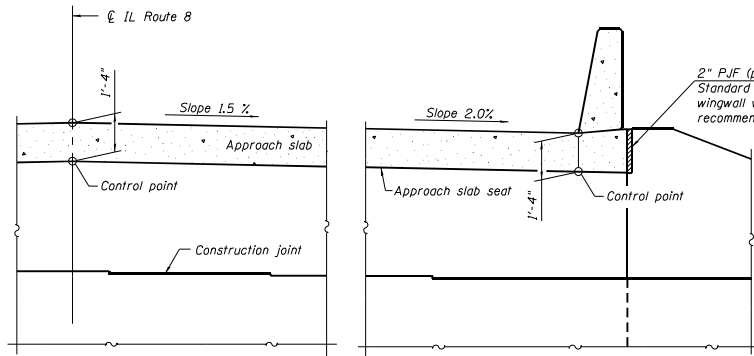


MINIMUM BAR LAP
#6 Bar = 4'-0"

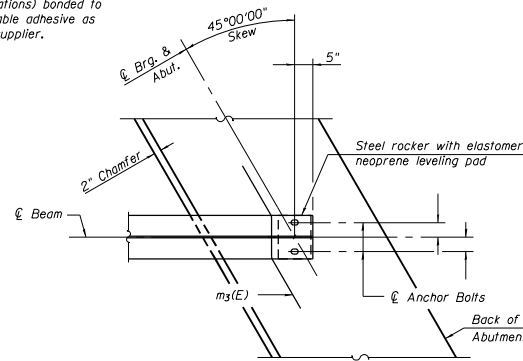
DIAPHRAGM ELEVATION AT ABUTMENT
(Symmetric about $\text{\textcircled{C}}$ Rdwy.)
(Typ. at Each Abutment)



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



SECTION B-B



PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 14 of 34.
Concrete in diaphragm is included with Concrete Superstructure on sheet 14 of 34.
For details of bars s(E), s1(E), and m3(E) see sheet 14 of 34.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
For bearing details see sheet 24 of 34.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
For details of bars v20(E) and v28(E) see sheets 25 & 26 of 34, respectively.

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USER NAME : Betsy	DESIGNED - CPA	REVISED
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED
PLLOT SCALE :	DRAWN - WJS	REVISED
PLLOT DATE : 8/22/2019 3:54 PM	CHECKED - CPA	REVISED

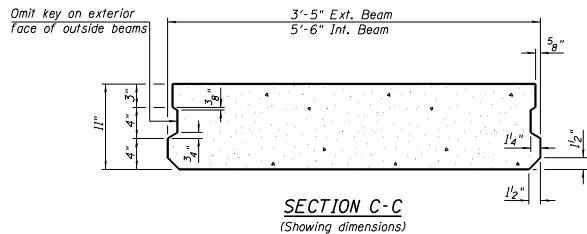
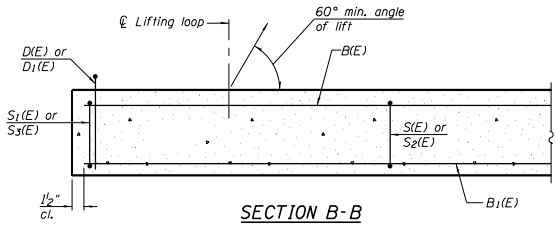
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTEGRAL ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 072-0248

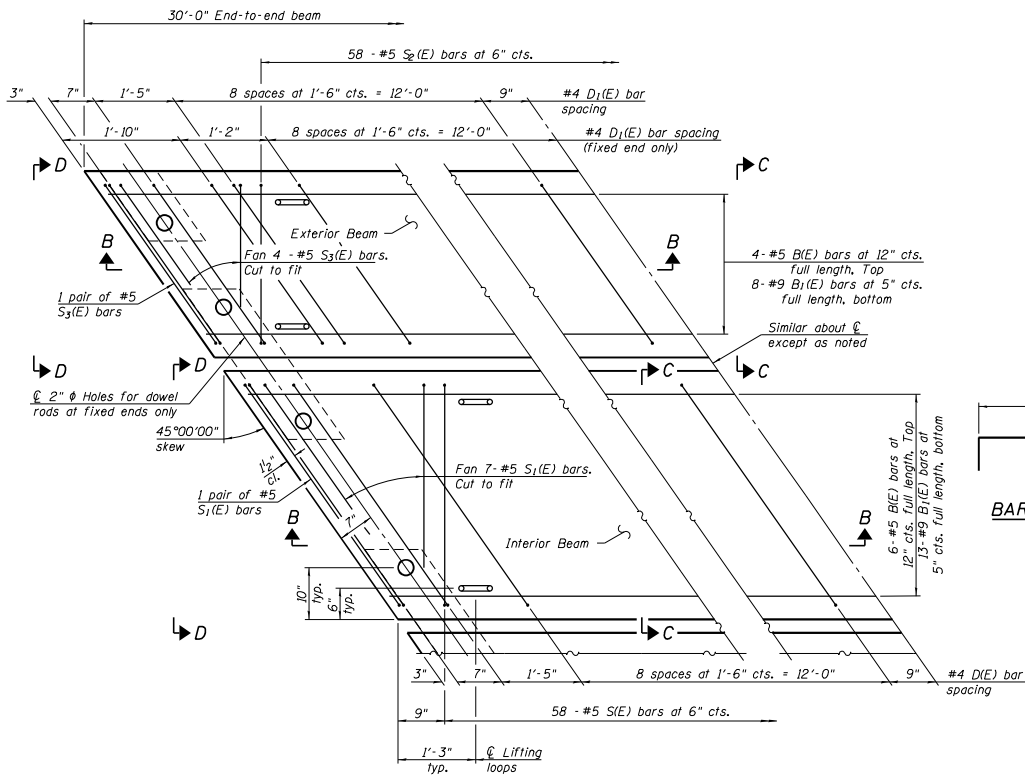
SHEET NO. 17 OF 34 SHEETS

F.A.S. SITE:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
138B	(Z-1)BIBR-2	PEORIA	235	101
			CONTRACT NO. 68799	

ILLINOIS FED. AID PROJECT

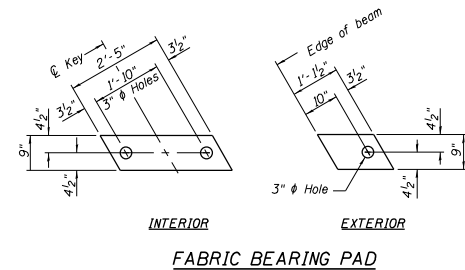
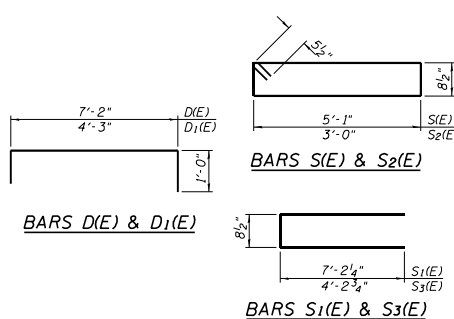
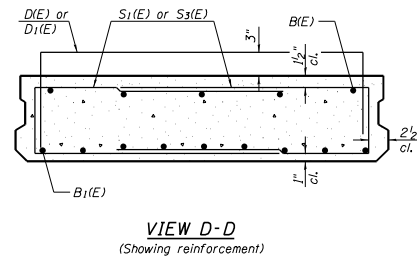
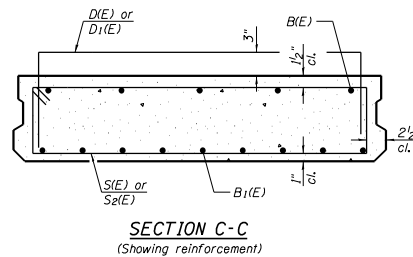


Notes:
 The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.
 Cast-in-place substitution of Precast Bridge Approach Slab is not allowed. The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."
 Two 1/2" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.
 A minimum 2 1/2" diameter lifting pins shall be used to engage the lifting loops during handling.
 Compressive strength of precast concrete, f'c shall be 6,000 psi.
 Compressive strength of precast concrete during initial lifting, f'ci shall be 5,000 psi.

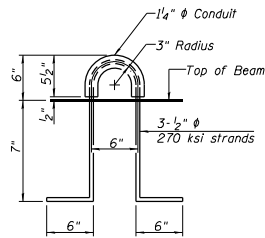


PLAN VIEW

(showing precast bridge approach beams)
 (Spacing of D1(E) and D1(E) bars may be adjusted up to 3" to miss the dowel rod holes and the lifting loops at the beam ends)



Notes:
 Bearing pads at Fixed End shall be 1/2" thick and bearing pads at Expansion End shall be 3/4" thick. Omit holes for fabric bearing pads at approach slab footing end of beams.
 Expansion bearing pad shall be bonded to the approach slab footing.



LIFTING LOOP DETAIL
 (An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)

BAR LIST EACH INTERIOR BEAM
 (For information only)

Bar	No.	Size	Length	Shape
B1(E)	6	#5	29'-8"	—
B1(E)	13	#9	29'-8"	—
D1(E)	22	#4	9'-2"	□
S2(E)	58	#5	12'-6"	□
S1(E)	18	#5	15'-1"	□

BAR LIST EACH EXTERIOR BEAM
 (For information only)

Bar	No.	Size	Length	Shape
B1(E)	4	#5	29'-8"	—
B1(E)	8	#9	29'-8"	—
D1(E)	32	#4	6'-3"	□
S2(E)	58	#5	8'-4"	□
S3(E)	12	#5	9'-2"	□

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USER NAME : Betsy
 Illinois Design Firm Number 104.001670
 DESIGNED - CPA
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 DRAWN - #JLS
 CHECKED - CPA
 PLOT SCALE =
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 REVISIONS

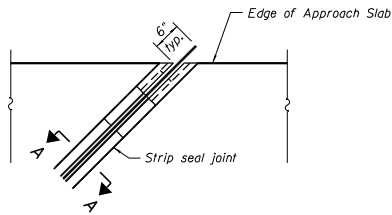
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 072-0248

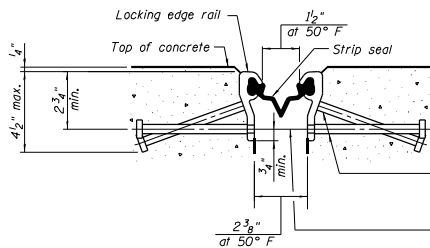
SHEET NO. 19 OF 34 SHEETS

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1)BRR-2	PEORIA	235	103

CONTRACT NO. 68799
 ILLINOIS FED. AID PROJECT

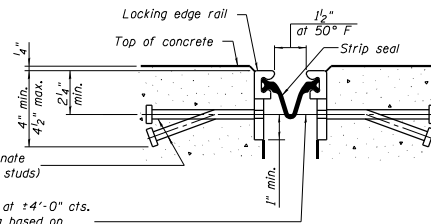


PLAN AT EDGE OF APPROACH SLAB



SHOWING ROLLED RAIL JOINT

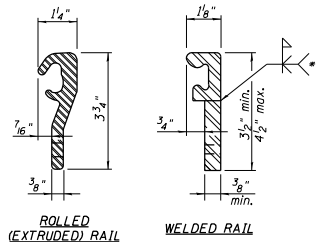
* $\frac{5}{8}$ " ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 $\frac{3}{8}$ " ϕ threaded rods in $\frac{7}{16}$ " ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



SHOWING WELDED RAIL JOINT

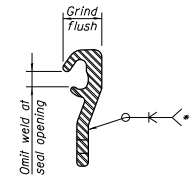
SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



LOCKING EDGE RAILS

** Back gauge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The maximum space between locking edge rail segments shall be $\frac{3}{16}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of anchorage studs included with Preformed Joint Strip Seal.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	118

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USER NAME : Betsy	DESIGNED - CPA	REVISIONS
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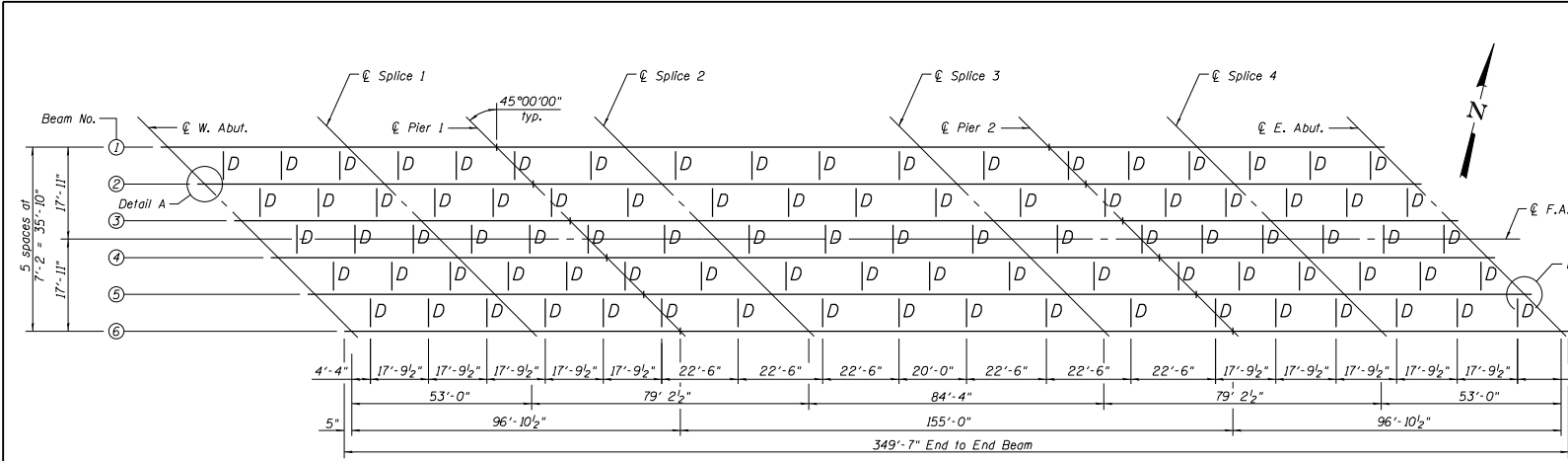
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 072-0248

SHEET NO. 21 OF 34 SHEETS

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			CONTRACT NO. 68799

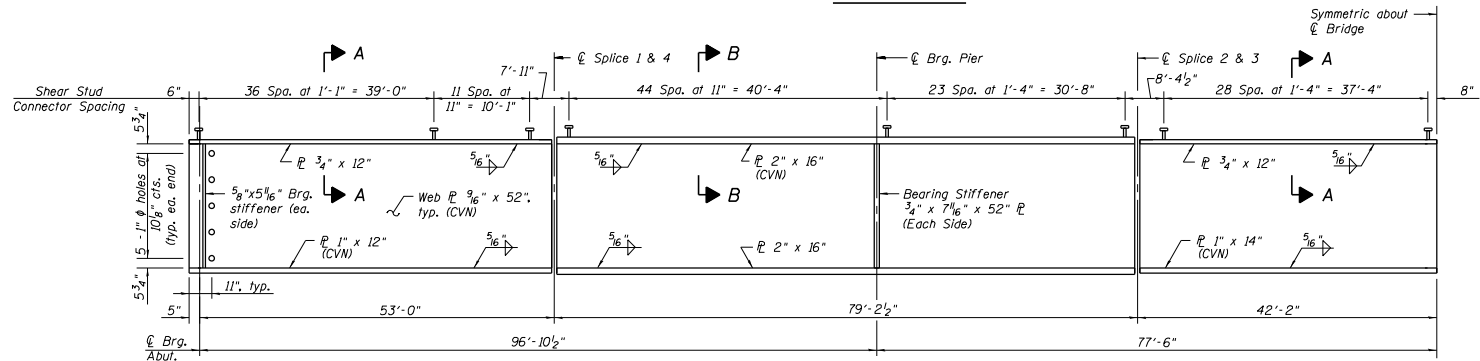
ILLINOIS FED. AID PROJECT



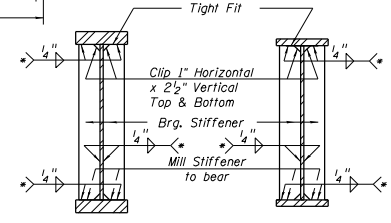
Note:
See sheet 23 of 34 for Detail A, Splice Details, and Interior Cross Frame Details.
All webs and flanges of the girders, and bearing stiffeners shall be AASHTO M270 Grade 50 unless noted otherwise.
All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.



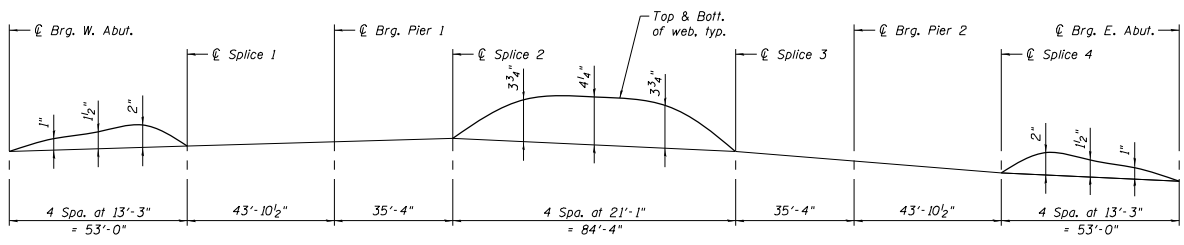
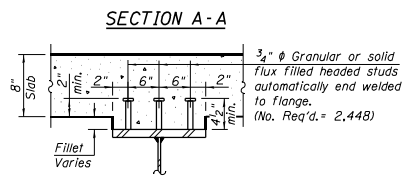
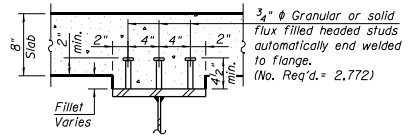
FRAMING PLAN



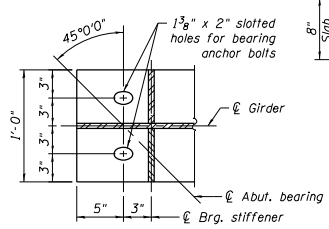
GIRDER ELEVATION
"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.



SECTION AT PIER SECTION AT ABUT.
* Terminate 1/4" (1/8") from the end of plate intersects.



CAMBER DIAGRAM



END GIRDER DETAIL

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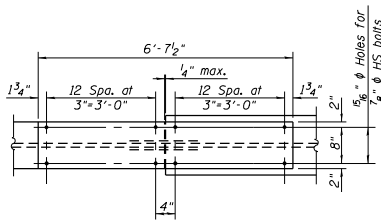
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

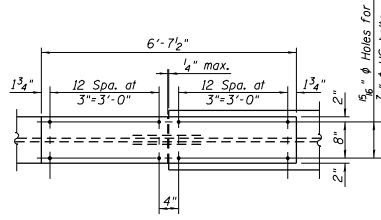
STRUCTURAL STEEL
STRUCTURE NO. 072-0248

SHEET NO. 22 OF 34 SHEETS

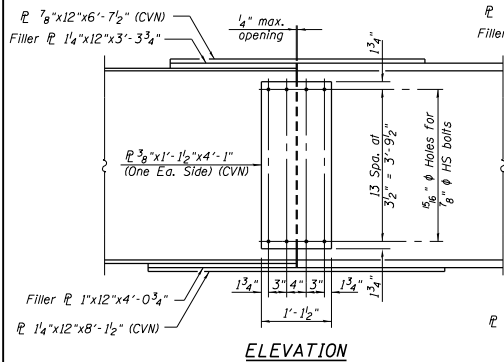
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				CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT				



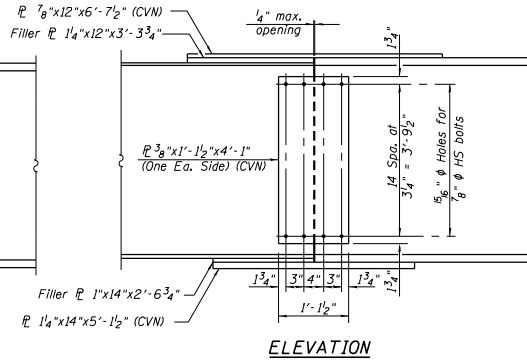
TOP FLANGE SPLICE



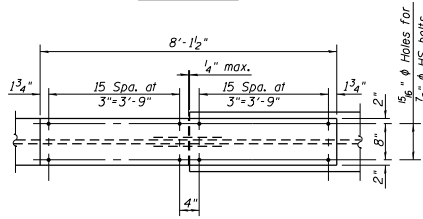
TOP FLANGE SPLICE



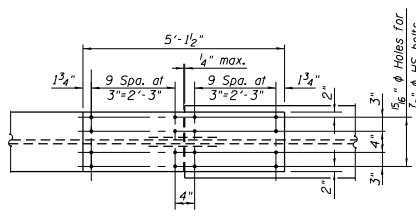
ELEVATION



ELEVATION



BOTTOM FLANGE SPLICE



BOTTOM FLANGE SPLICE

FIELD SPLICE DETAIL
(Spans 1 & 3)

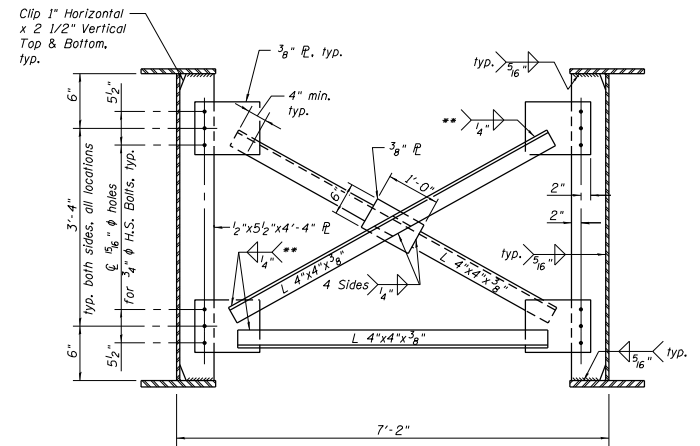
FIELD SPLICE DETAIL
(Span 2)

Notes:
 "CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
 All splice plates except filler plate shall be designated as "CVN".
 All web and flange splice plates other than filler plates shall be AASHTO M270 Grade 50.

*TOP OF WEB ELEVATIONS

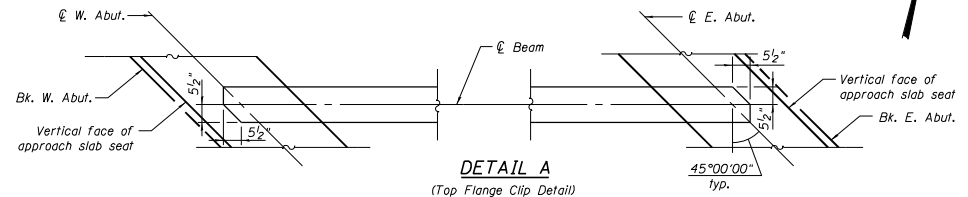
Location	W. Abut.	Splice 1	Pier 1	Splice 2	Splice 3	Pier 2	Splice 4	E. Abut.
Girder 1	536.11	536.28	536.40	536.50	535.98	535.44	534.77	533.94
Girder 2	536.30	536.44	536.54	536.62	536.04	535.48	534.78	533.92
Girder 3	536.47	536.57	536.64	536.70	536.07	535.49	534.77	533.87
Girder 4	536.52	536.59	536.63	536.67	535.99	535.39	534.64	533.71
Girder 5	536.46	536.50	536.52	536.53	535.80	535.18	534.40	533.43
Girder 6	536.36	536.38	536.36	536.35	535.57	534.92	534.12	533.12

*For Fabrication Only.



INTERIOR CROSS FRAME D
(90 Required)

** Fillet weld angles along 3 sides on one face of gusset plate.



DETAIL A
(Top Flange Clip Detail)

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USER NAME : Betsy	DESIGNED - ACS	REVISED
Illinois Design Firm Number 104.001670	CHECKED - CPA	REVISED
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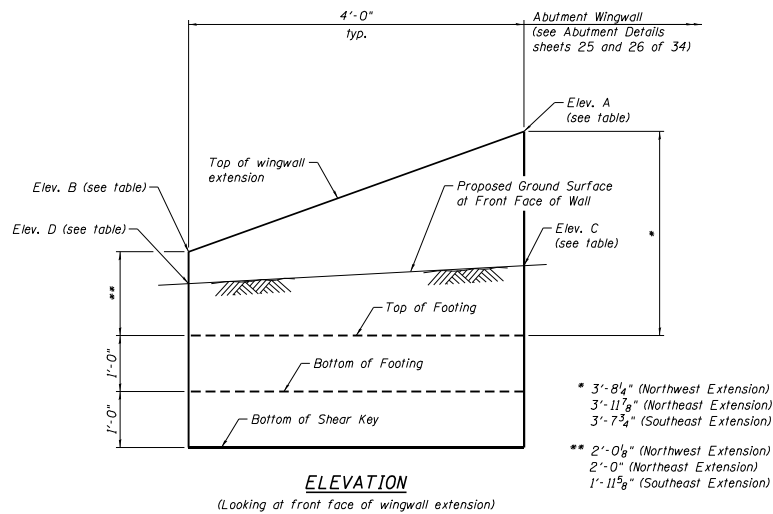
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 072-0248

SHEET NO. 23 OF 34 SHEETS

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEET NO.
138B	(2-1VBRR-2)	PEORIA	235 107
			CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

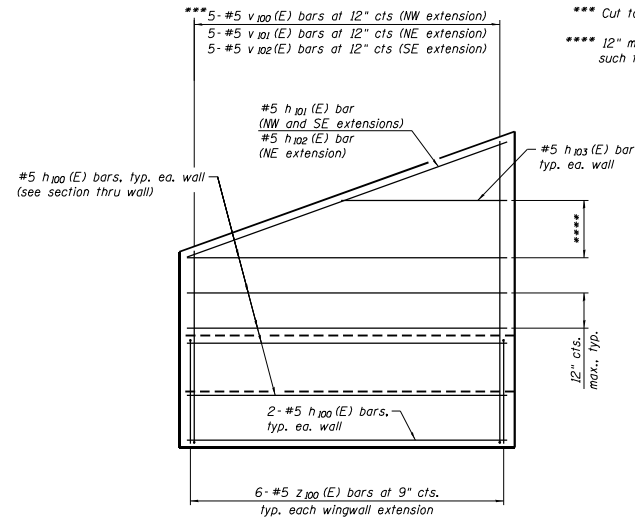


ELEVATION
(Looking at front face of wingwall extension)

TABLE OF ELEVATIONS

Location	Elev. A	Elev. B	Elev. C	Elev. D	Elev. E
Northwest Extension	533.71	532.03	531.62	531.12	530.02
Northeast Extension	531.02	529.03	528.64	528.12	527.03
Southeast Extension	530.68	529.00	528.54	527.94	527.03

- * 3'-8 1/4" (Northwest Extension)
- 3'-11 1/8" (Northeast Extension)
- 3'-7 3/4" (Southeast Extension)
- ** 2'-0 1/8" (Northwest Extension)
- 2'-0" (Northeast Extension)
- 1'-11 3/8" (Southeast Extension)

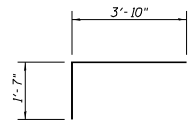


ELEVATION SHOWING REINFORCEMENT
(Looking at front face of wingwall extension)

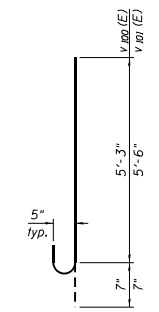
- *** 5-#5 v100(E) bars at 12" cts (NW extension)
- 5-#5 v101(E) bars at 12" cts (NE extension)
- 5-#5 v102(E) bars at 12" cts (SE extension)
- *** Cut to fit.
- **** 12" max. Space bars such that h103(E) fits.

BILL OF MATERIAL

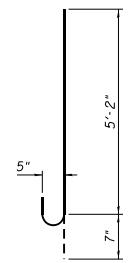
Bar	No.	Size	Length	Shape
h100(E)	33	#5	3'-8"	—
h101(E)	2	#5	3'-11"	—
h102(E)	1	#5	4'-1"	—
h103(E)	3	#5	1'-8"	—
v100(E)	5	#5	5'-10"	—
v101(E)	5	#5	6'-1"	—
v102(E)	5	#5	5'-9"	—
z100(E)	18	#5	5'-5"	—
Concrete Structures			Cu. Yd.	3.1
Reinforcement Bars, Epoxy Coated			Pound	340



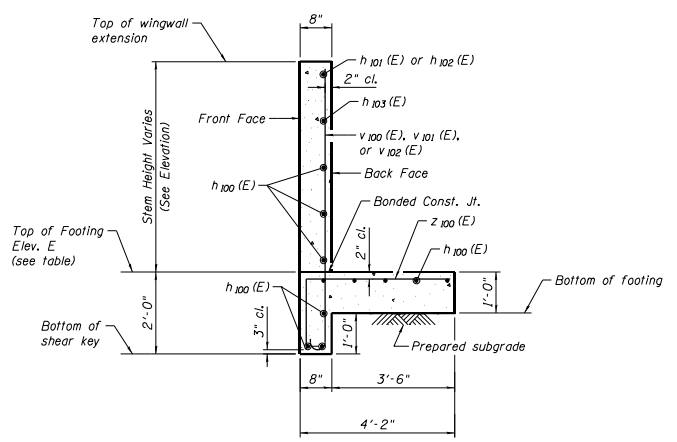
BAR z100(E)



BAR v100(E) & v101(E)



BAR v102(E)



SECTION THRU WALL

Notes:
Maximum allowable bearing pressure on prepared subgrade = 2000 psf.
NW denotes Northwest.
NE denotes Northeast.
SE denotes Southeast.

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USER NAME = Betsy	DESIGNED - CPA	REVISED
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED
PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 8/22/2019 3:56:07 PM	CHECKED - CPA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL EXTENSION DETAILS
STRUCTURE NO. 072-0248

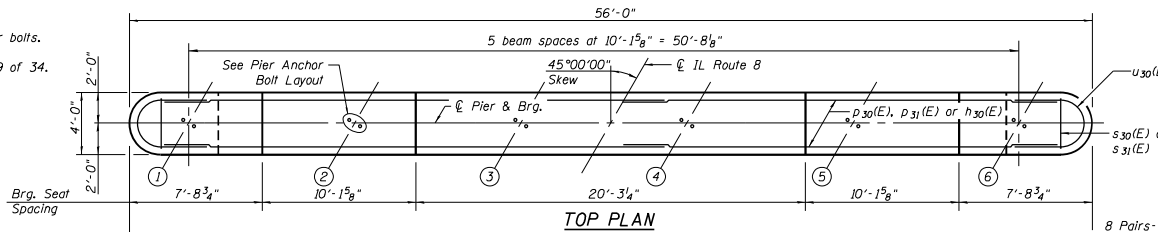
SHEET NO. 27 OF 34 SHEETS

F.A.S. SITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT				

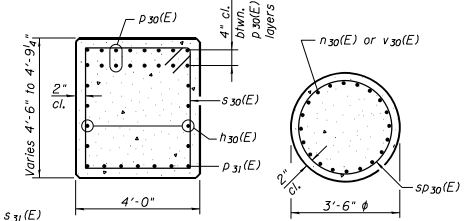
Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For Pier Anchor Bolt Layout, see sheet 29 of 34.
 For details of piles, see sheet 30 of 34.

PILE DATA

Type: Steel HP14x89
 Nominal Required Bearing: 705K
 Factored Resistance Available: 388K
 Est. Length: 20'-6"
 No. Production Piles: 27
 No. Test Piles: 0

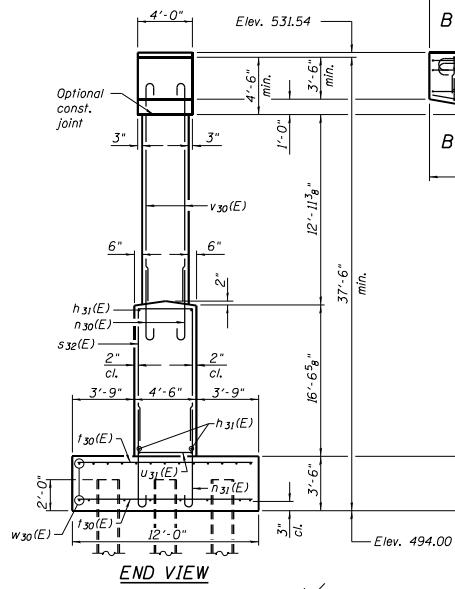


TOP PLAN

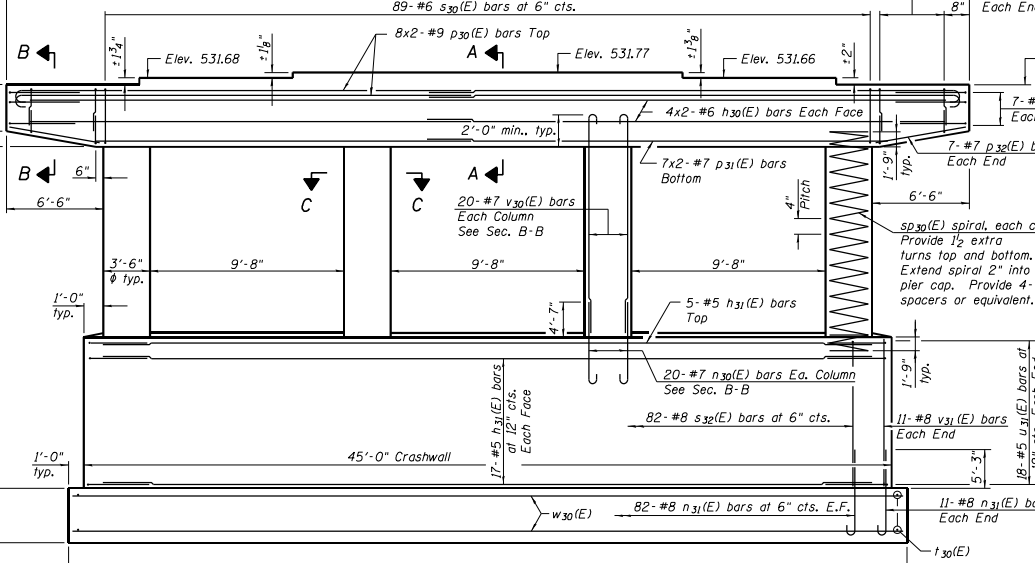


SEC. A-A

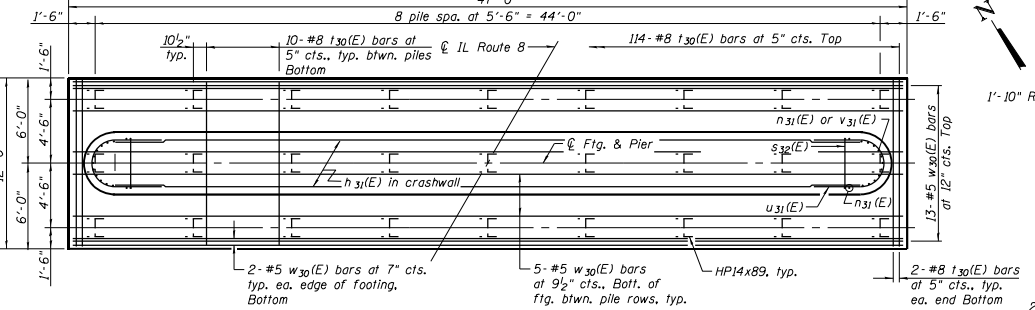
SEC. C-C



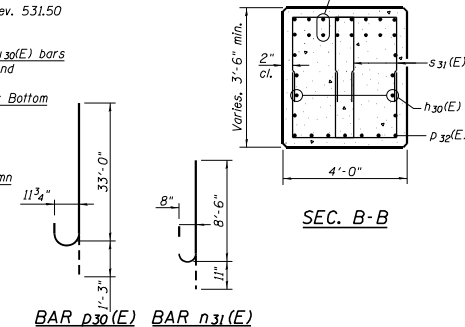
END VIEW



ELEVATION
(Looking Northeast)



FOOTING PLAN



SEC. B-B

BAR p30(E) BAR n31(E)

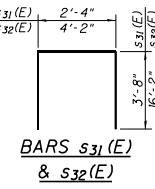
BAR v30(E)

BAR u30(E)

BAR u31(E)

MINIMUM BAR LAP

- #5 bar (Vertical) = 3'-2"
- #5 bar (Horizontal) = 3'-7"
- #6 bar = 4'-4"
- #7 bar = 4'-5"
- #8 bar = 5'-1"
- #9 bar = 10'-4"



BARS s31(E) & s32(E)

BAR s30(E)

BAR n30(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30(E)	16	#6	28'-8"	—
h31(E)	39	#5	40'-6"	—
n30(E)	80	#7	7'-5"	U
n31(E)	186	#8	9'-5"	U
p30(E)	32	#9	34'-3"	U
p31(E)	14	#7	24'-5"	U
p32(E)	14	#7	5'-11"	—
s30(E)	89	#6	17'-0"	□
s31(E)	64	#5	9'-8"	□
s32(E)	82	#8	36'-6"	□
sp30(E)	4	#5	16'-6"	W
t30(E)	198	#8	11'-8"	—
u30(E)	14	#5	12'-11"	U
u31(E)	36	#5	13'-9"	U
v30(E)	80	#7	15'-8"	U
v31(E)	22	#8	16'-2"	U
w30(E)	27	#5	46'-8"	—
Structure Excavation		Cu. Yd.	295	
Concrete Structures		Cu. Yd.	252.2	
Reinforcement Bars, Epoxy Coated		Pound	37,580	
Furnishing Steel		Foot	554	
Driving Piles		Foot	554	
Pile Shoes		Each	27	

* Length is height of spiral.

S:\p1\p1\072024-00 - E. & W. BNSF Phase 1\BNSF\Design\Drawings\Drawings\072024-00\072024-00.dwg



USER NAME: Betsy
 Illinois Design Firm Number: 184.001670
 PLOT SCALE: 1/8" = 1'-0"
 PLOT DATE: 8/22/2019 3:58 PM

DESIGNED - CPA
 CHECKED - REB
 DRAWN - WJS
 CHECKED - CPA

REVISED
 REVISED
 REVISED
 REVISED

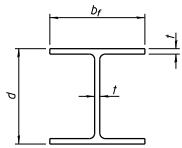
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1 DETAILS
 STRUCTURE NO. 072-0248

SHEET NO. 28 OF 34 SHEETS

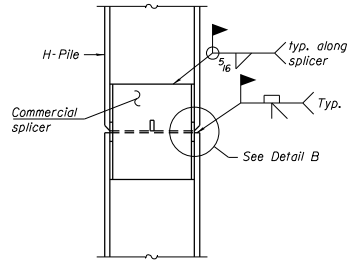
F.T.S. PILES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1)WBRR-2	PEORIA	235	112

CONTRACT NO. 68799
 ILLINOIS FED. AID PROJECT

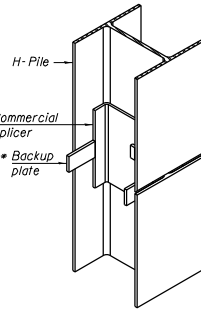


STEEL PILE TABLE

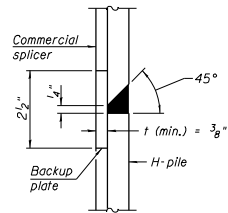
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 5/8"	12 1/4"	5/8"	24"
x63	12"	12 5/8"	1/2"	24"
x53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



ELEVATION

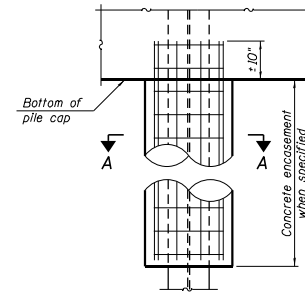


ISOMETRIC VIEW

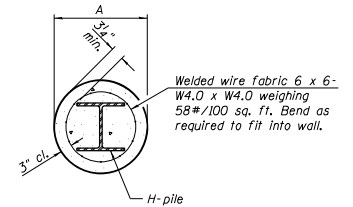


DETAIL "B"

WELDED COMMERCIAL SPLICE

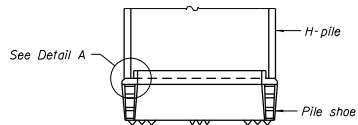


ELEVATION

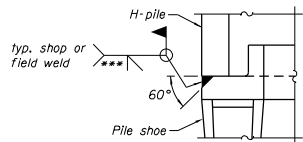


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT
(Forms for encasement may be omitted when soil conditions permit).



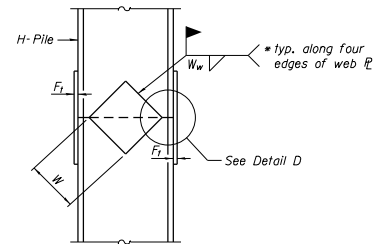
ELEVATION



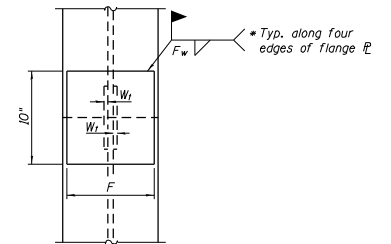
DETAIL A

SHOE ATTACHMENT

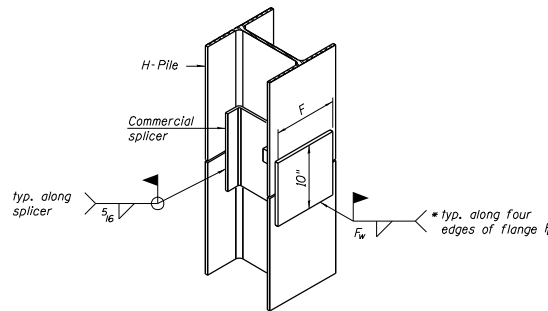
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION



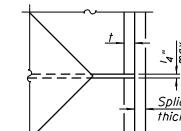
END VIEW



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F1	Fw	W	W1	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 9/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 9/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5 9/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 9/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5 9/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5 9/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

F - HP

8-11-2017

S:\Projects\07202480 - E. E. and BNSF Phase 1\B\Design\Draw Design Files\07202480-036899-03.dgn

	USER NAME : Betsy Illinois Design Firm Number 184.001670 PLOT SCALE : PLOT DATE : 8/22/2019 3:54:20 PM	DESIGNED - ACS CHECKED - CPA DRAWN - WJS CHECKED - ACS	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HP PILE DETAILS STRUCTURE NO. 072-0248	F.I.T.S. SITE: 1388 SECTION: (Z-1)BIBR-2 COUNTY: PEORIA TOTAL SHEET NO.: 235 SHEET NO.: 114 CONTRACT NO. 68799
	ILLINOIS FED. AID PROJECT					



Illinois Department of Transportation
Division of Highways

ROCK CORE LOG

Page 1 of 1

ROUTE Illinois Route 8 (F.A.S. 1388) DESCRIPTION IL 8 over BNSF Railroad LOGGED BY JEG Date 6/17/13

SECTION (Z-1VB)BR-2 LOCATION Peoria, Illinois COUNTY Peoria CORING METHOD Split Hamer

STRUCT. NO.	CORING BARREL TYPE & SIZE	NX	D	C	R	CORE			S
						T	R	E	
BORING NO.	Core Diameter		DEPTH	CO	RE	Q	R	U	M
Station	in		(ft)	(#)	(%)	(%)	(min)	(tsf)	(H)
B-7	4.55	R	11						
Station 142+26.12	4.55	R							
Offset 36.108 RT									
Ground Surface Elev. 497.8									
CLAYEY SHALE: Gray, wet, moderately soft			455.60	1	75	0	3		
			453.97						
SHALE: Gray, wet, moderately soft			451	2	100	02	2.6		
			449						
2" Limestone			446	3	100	72	2.6		
			444						
2" Limestone			441					6.4	
			439						
End of Boring			443.60						

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8/99)



Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

ROUTE Illinois Route 8 (F.A.S. 1388) DESCRIPTION IL 8 over BNSF Railroad LOGGED BY JEG Date 6/14/13

SECTION (Z-1VB)BR-2 LOCATION Peoria, Illinois COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO.	DESCRIPTION	U	B	M	Surface Water Elev.	U	B	M	Stream Bed Elev.	U	B	M
BORING NO.	Station	U	B	M	Groundwater Elev.:	U	B	M	First Encounter	U	B	M
Office	43+208.13	(ft)	(#)	(%)	Upon Completion	(ft)	(#)	(%)	After	(ft)	(#)	(%)
B-8	43+208.13				501.7							
Ground Surface Elev. 509.7												
TOPSOIL					499.21							
CLAY LOAM: Brown, moist, medium stiff, trace organics, trace fine to medium sand			2			1				3.2	24	
			3	2.3	13	6						
			2									
Becomes dark brown, soft, trace fine gravel			2			2				4.0	25	
			2			11						
Becomes gray			1			15						
			2	0.6	30	60						
			1			60						
SAND: Gray, fine, wet, loose	501.7											
						24						
SILTY LOAM: Gray, wet, soft, trace gray hard shale	499.21											
			1	0.5	26							
			2									
SANDY LOAM: Brown and gray, wet, medium dense, scant silt in coarse, trace fine gravel	496.71											
			5			100				4.5	16	
			8									
			15									
LOAM: Gray, wet, medium dense, sand silt fine to coarse	493.71											
			7									
			9									
			8									
CLAY LOAM: Gray, wet, medium stiff, some organics, sand silt fine to coarse	491.71											
			4	1.3	15							
			3									
			20									
End of Boring	471.21											

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

SOIL BORING LOG

Page 1 of 1

ROUTE Illinois Route 8 (F.A.S. 1388) DESCRIPTION IL 8 over BNSF Railroad LOGGED BY JEG Date 6/5/13

SECTION (Z-1VB)BR-2 LOCATION Peoria, Illinois COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO.	DESCRIPTION	U	B	M	Surface Water Elev.	U	B	M	Stream Bed Elev.	U	B	M
BORING NO.	Station	U	B	M	Groundwater Elev.:	U	B	M	First Encounter	U	B	M
Office	144+30.45	(ft)	(#)	(%)	Upon Completion	(ft)	(#)	(%)	After	(ft)	(#)	(%)
B-9	144+30.45				497.3							
Ground Surface Elev. 508.30												
2" ASPHALTIC CONCRETE LOAM: Brown, moist, stiff, sand silt fine	508.1											
			7									
			10	1.5	8							
			5									
CLAY: Brown, medium stiff, trace fine sand	504.8											
			1									
			3	1.1	15							
			3									
Becomes brown, gray and green very stiff												
			1									
Becomes dark gray, wet, hard	482.3											
			2	1.0	18							
			3									
CLAYEY SHALE: Dark gray, moist, hard												
SAND: Brown, fine to coarse, moist, loose	500.3											
			2									
			5									
			10									
SANDY LOAM: Gray, wet, loose, sand to medium to coarse	497.3											
			2									
			3									
			2									
Becomes very loose												
			1									
			2									
			20									
SHALE: Gray	474.8											
Borehole continued with rock coring	473.8											
CLAY: Gray, moist, very soft, trace organics and fine to medium sand	482.8											
			2	0.3	21							
			2									
Recovery = 21/24"												
			1.0									
			20									
			488.3									

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)

S:\Projects\108-0224\108-0224-100 - IL 8 over BNSF Phase 1\B\1080224\108-0224-100-Design\108-0224-100-Design.dwg



USER NAME: Betsy
Illinois Design Firm Number: 104.001670
DESIGNED: ACS
CHECKED: CPA
PLOT SCALE: 1
DRAWN: #JLS
PLOT DATE: 8/22/2019 3:54:20 PM
CHECKED: ACS
REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

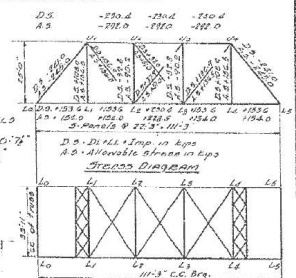
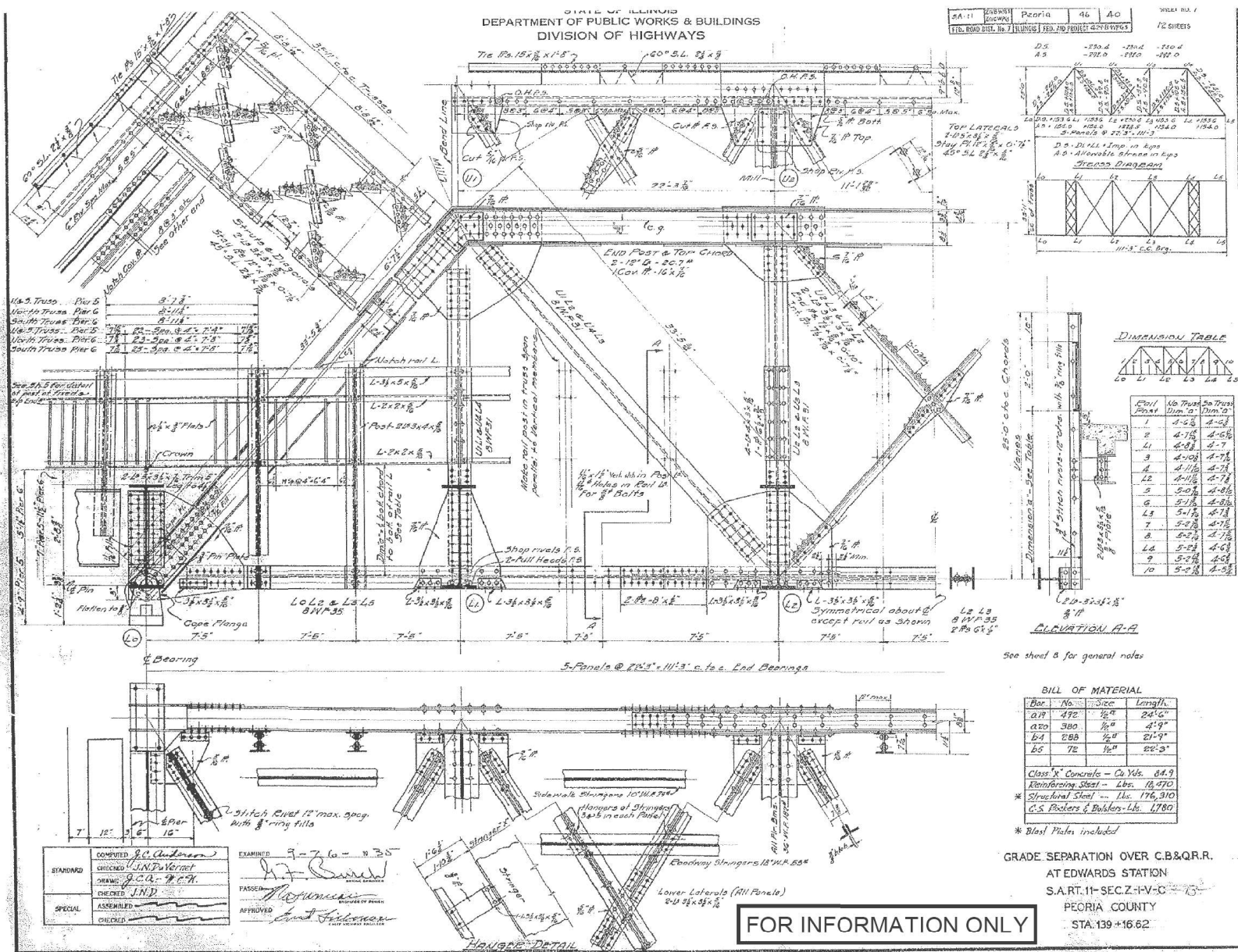
SOIL BORINGS
STRUCTURE NO. 072-0248

F.A.S. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	116
			CONTRACT NO. 68799	

ILLINOIS FED. AID PROJECT

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

SA.11 200801 Peoria 46 40
FD. ROAD DIST. 16.7 ILLINOIS FED. PROJ. 42787054
SHEET NO. 1
12 SHEETS



DIMENSION TABLE

Panel	1	2	3	4	5	6	7	8	9	10
Panel	1	2	3	4	5	6	7	8	9	10
Length	4'-2 1/2"	4'-7 1/2"	4'-8 1/2"	4'-9 1/2"	4'-10 1/2"	4'-11 1/2"	4'-12 1/2"	4'-13 1/2"	4'-14 1/2"	4'-15 1/2"

BILL OF MATERIAL

Bar No.	Size	Length
A19	1/2" x 24'-6"	24'-6"
A20	1/2" x 4'-9"	4'-9"
B4	1/2" x 21'-9"	21'-9"
B5	1/2" x 22'-3"	22'-3"

Class 'X' Concrete - Cu Yds. 84.9
Reinforcing Steel - Lbs. 16,470
Structural Steel - Lbs. 176,310
C.S. Bolters & Bolsters - Lbs. 1,780

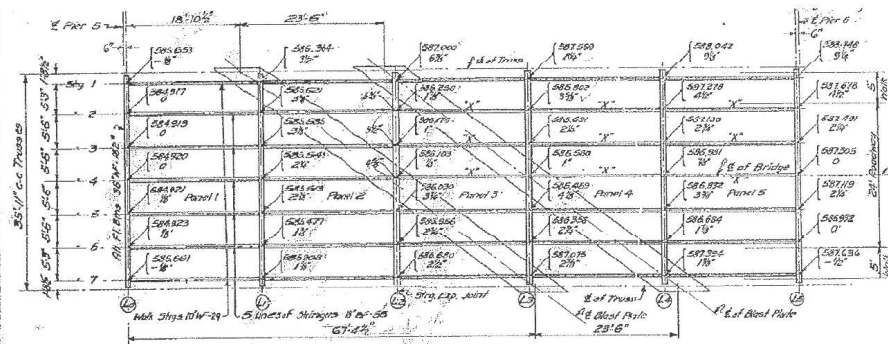
* Blast Plates included

GRADE SEPARATION OVER C.B.&Q.R.
AT EDWARDS STATION
S.A.R.T. 11-SEC. Z-1-V-C
PEORIA COUNTY
STA. 139+16.62

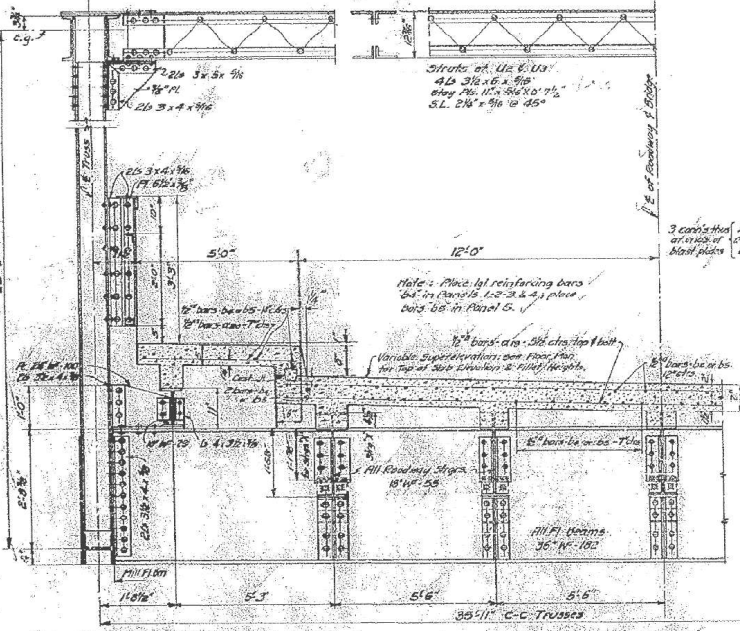
FOR INFORMATION ONLY

COMPUTED: J.C. Varnet
CHECKED: J.N.D. Varnet
DRAWN: J.C.A. Varnet
CHECKED: J.N.D.
ASSEMBLED:
CHECKED:

EXAMINED: 9-7-10-10
PASSED: J.C. Varnet
APPROVED: J.C. Varnet



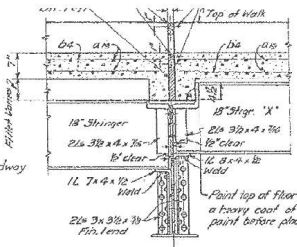
FLOOR PLAN
 Notes:
 1. All heights include correction for vertical curve and variable superelevation. Truss set to grade at 18114.
 2. Top of slab elevations in feet shown thus: 507.016
 3. Elevation for stringers shown thus: 2'3"
 4. Elevation of stringers shown thus: 1'8"
 5. Top of stringer marker "A" is 48" above top of floor slabs; all other roadway stringers to be flush with floor.



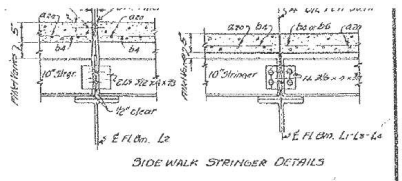
COMPUTED	J.F. Hester
CHECKED	J.C. Anderson
DRAWN	J.F.K.
CHECKED	J.C. Anderson
SPECIAL	ASSEMBLED
CHECKED	

DESIGNED 9-26-23
 DRAWN
 CHECKED
 APPROVED

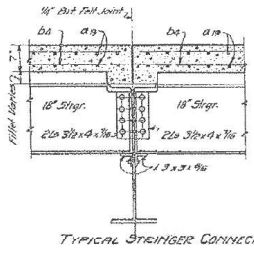
FOR INFORMATION ONLY



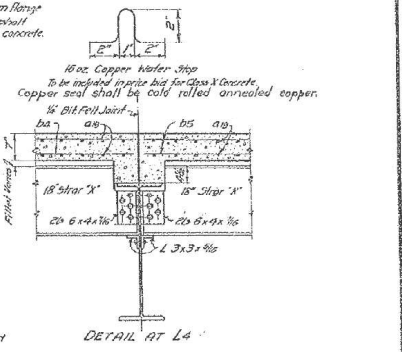
DETAIL AT L2



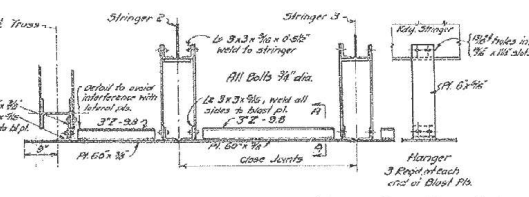
SIDE WALK STRINGER DETAILS



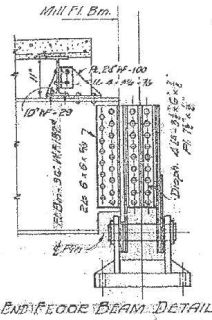
TYPICAL STRINGER CONNECTION



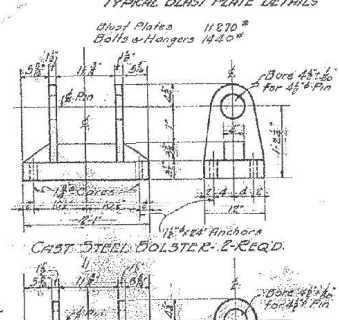
DETAIL AT L4



TYPICAL BLAST PLATE DETAILS



END FLOOR BEAM DETAIL



CAST STEEL BOLSTER - E-REQ.

Notes:
 Blast Plates shall be 60" x 78" steel plates, conforming to A.S.T.M. Std. specifications for structural steel, except that 1/2" dia. copper shall be used. All bolts and nuts shall be galvanized. Blast plates, bolts and nuts to be painted per as structural steel. Paint same as structural steel.
 Class X Concrete shall be used throughout. Wire all reinforcing steel securely in place before pouring concrete.
 Concrete floor finish per Spc. 104.25-104.26
 Rivets: 3/8" - Open holes: 3/8" unless noted.
 Paint: One Shop and two field coats, see Spc. steel surfaces in contact with steel or concrete shall not be painted, unless noted.
 Inspection by Ill. Div. of Highways before painting shop coat.

GRADE SEPARATION OVER C.B.&Q.R.R.
 AT EDWARDS STATION.
 S.A.R.T. II - SEC. 2 - IV - C
 PEORIA COUNTY
 STA. 139+16.62



USER NAME	Betsy	DESIGNED	ACS	REVISED	
Illinois Design Firm Number	184.001670	CHECKED	REB	REVISED	
PLOT SCALE		DRAWN	WJS	REVISED	
PLOT DATE	8/22/2019 2:58:06 PM	CHECKED	ACS	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

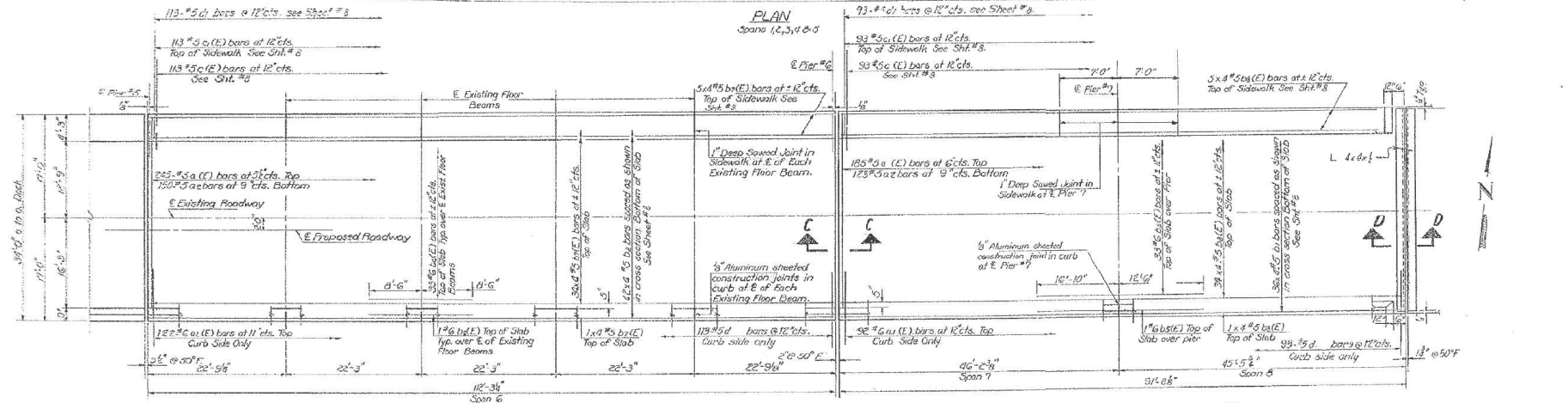
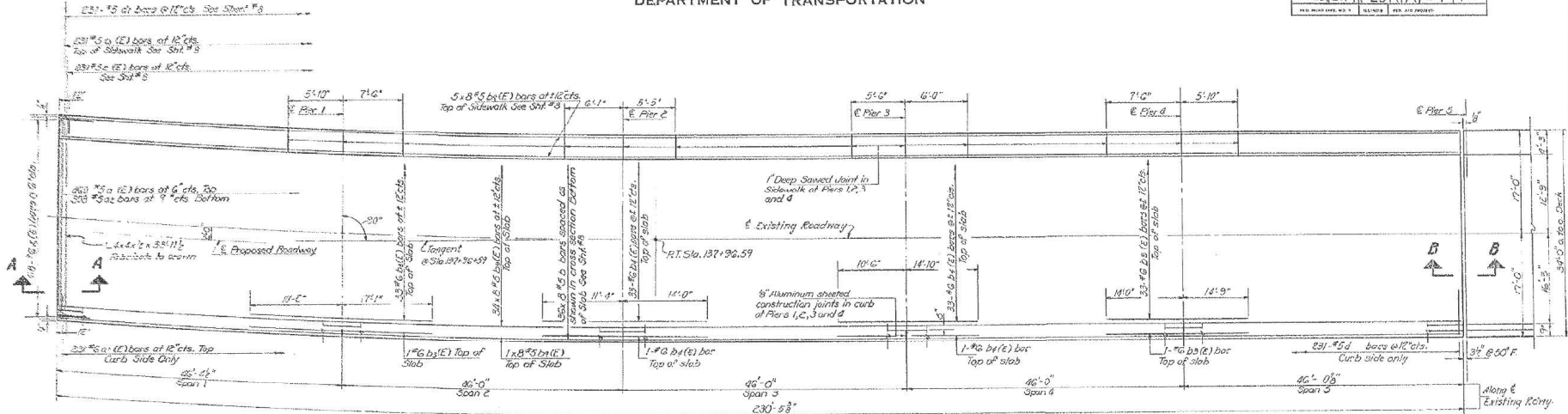
EXISTING TRUSS DETAILS II
 1935 PLANS (FOR INFORMATION ONLY)

SHEET NO. 3 OF 28 SHEETS

P.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
138B	(2-1VBBR-2)	PEORIA	235	121
			CONTRACT NO. 68799	
ILLINOIS FED. AID PROJECT				

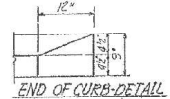
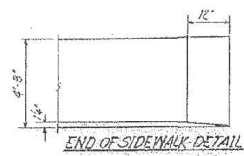
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1980-11B-2	2	PEORIA	28	9



FOR INFORMATION ONLY

PLAN
Spans 6,7&8



DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

Note: See Sheet #8 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.
Bars indicated thus 36x8 - #5 cts, indicates 36 lines of bars with 8 lengths per line. All tops for #5 bars 14'8\"/>

SUPERSTRUCTURE
F.A.S. RT. 304 SEC. 2-11B-R-1
PEORIA COUNTY
STATION 139+16.62

S:\p1\1980-11B-2\1980-11B-2.dwg E & E Rev BNSF Plot 1980-11B-2.dwg 11/11/2009 10:00 AM

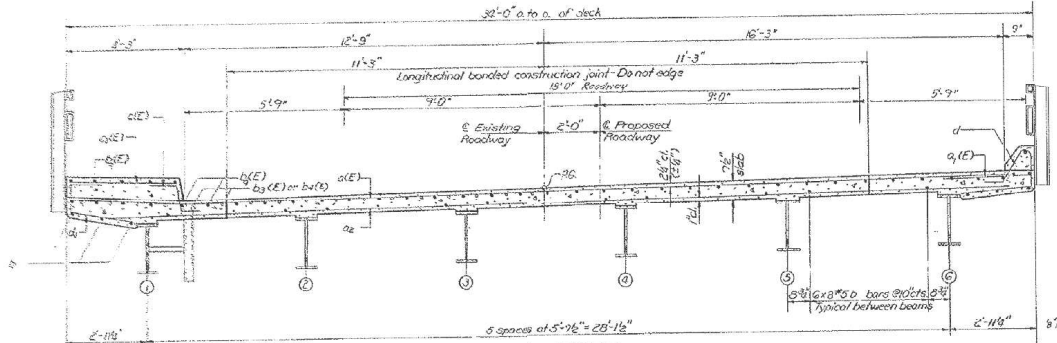
	USER NAME : Betsy	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING SUPERSTRUCTURE 1980 PILES (FOR INFORMATION ONLY)	<table border="1"> <tr> <th>P.F.S. PILES</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>1388</td> <td>(2-11B-R-2)</td> <td>PEORIA</td> <td>235</td> <td>127</td> </tr> </table>	P.F.S. PILES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1388	(2-11B-R-2)	PEORIA	235	127
	P.F.S. PILES	SECTION	COUNTY				TOTAL SHEETS	SHEET NO.								
1388	(2-11B-R-2)	PEORIA	235	127												
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED	REVISED	SHEET NO. 9 OF 28 SHEETS	ILLINOIS FED. AID PROJECT											
<table border="1"> <tr> <td>PLT SCALE :</td> <td>DRAWN - WJS</td> <td>REVISED</td> <td>REVISED</td> </tr> <tr> <td>PLT DATE : 8/22/2009 2:58:18 PM</td> <td>CHECKED - ACS</td> <td>REVISED</td> <td>REVISED</td> </tr> </table>	PLT SCALE :	DRAWN - WJS	REVISED	REVISED	PLT DATE : 8/22/2009 2:58:18 PM	CHECKED - ACS	REVISED	REVISED								
PLT SCALE :	DRAWN - WJS	REVISED	REVISED													
PLT DATE : 8/22/2009 2:58:18 PM	CHECKED - ACS	REVISED	REVISED													

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

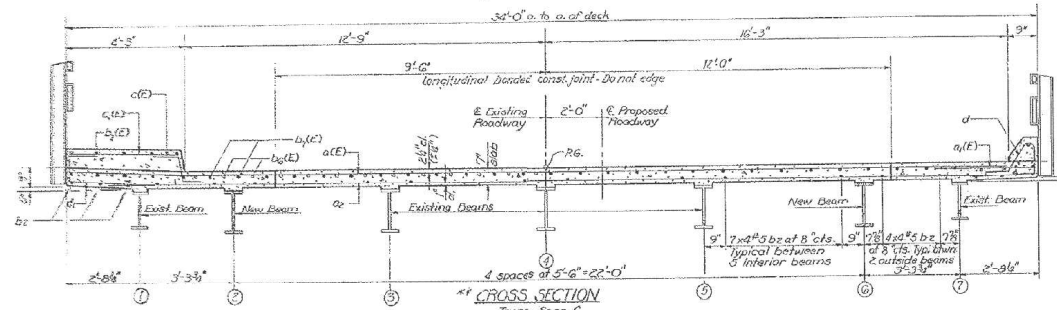
PROJECT NO.	SECTION	ASST.	SHEET NO.	TOTAL SHEETS
14-384	2-1V	PEORIA	27	11
SHEET NO. 8				

FOR INFORMATION ONLY

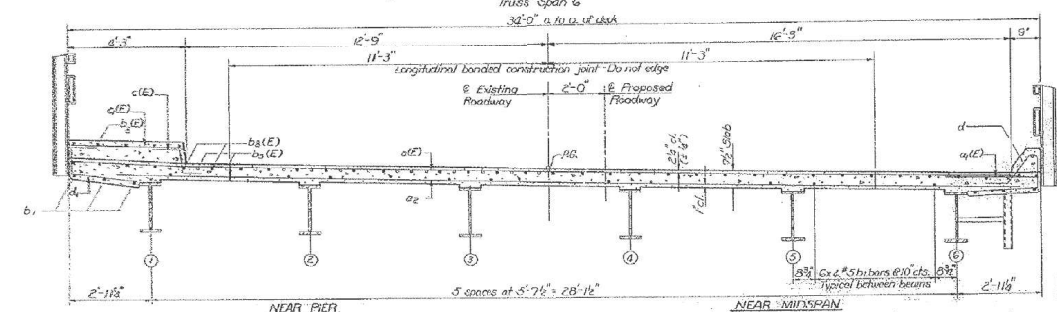
Note:
The exterior surfaces of the aluminum drains shall be cleaned and given a washcoat pre-treatment in accordance with the Steel Strucl. Painting Council's Spec. SSPC-SP1 & SSPC-PA3 followed by the Basic Lead Silico Chromate painting qualified for Structural Steel.



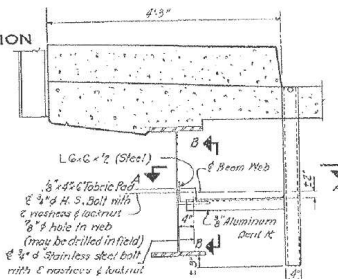
CROSS SECTION
Approach Spans 1, 2, 3, 4 and 5



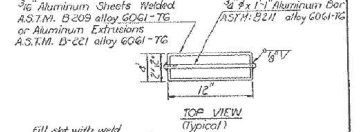
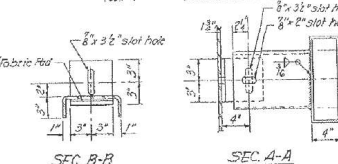
CROSS SECTION
Truss Span G



CROSS SECTION
Approach Spans 7, 8, 9
(** Looking East)



SECTION AT SIDEWALK
(Connection for the drains on the curb side similar)



Fill slot with weld

FLOOR DRAINS

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a(E)	890	#5	321.0'	
a(E)	845	#6	51.9'	
a	881	#5	32.0'	
b	288	#5	201.9'	
b	144	#5	241.5'	
b	68	#5	29.5'	
b	68	#6	27.4'	
b	88	#6	25.4'	
b	34	#6	23.4'	
b	136	#6	17.0'	
b	160	#5	20.3'	
b	160	#5	24.5'	
b	320	#5	2.5'	
c(E)	437	#5	53.9'	
c	437	#5	31.4'	
c	437	#5	3.9'	
x(E)	68	#6	51.0'	

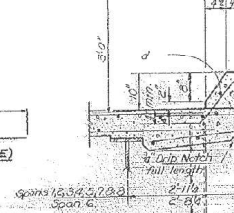
Reinforcement Bars Found 41390
Reinforcement Bars (Epoxy Coated) Found 66270
Class X Concrete cu yd 381.6

* Includes 1/7 Or Ms From Sheet # 21.
Class X Concrete and Reinforcement Bars for curb and sidewalk are billed on Sheet # 17.

SUPERSTRUCTURE DETAILS
EAS-RT-384 SEC 2-1VBR-1
PEORIA COUNTY
STATION 139+16.62

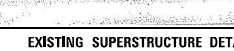
SECTION THRU SIDEWALK

Spans 1 thru 5, 7 & 8
For Span G, see Cross Sec.



SECTION THRU CURB

Spans 1 thru 5, 7 & 8
For Span G, see Cross Sec.



DESIGNED	EXAMINED	DATE
1/2/20	1/2/20	1/2/20
CHECKED	PASSED	
DRAWN	APPROVED	
CHECKED		



USER NAME: Betsy
Illinois Design Firm Number 184.001670
PLOT SCALE: 1
PLOT DATE: 8/22/2019 2:58:20 PM
DESIGNED: ACS
CHECKED: REB
DRAWN: WJS
CHECKED: ACS

DESIGNED: ACS
CHECKED: REB
DRAWN: WJS
CHECKED: ACS

REVISED
REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SUPERSTRUCTURE DETAILS I
1980 PLANS (FOR INFORMATION ONLY)
SHEET NO. 10 OF 28 SHEETS

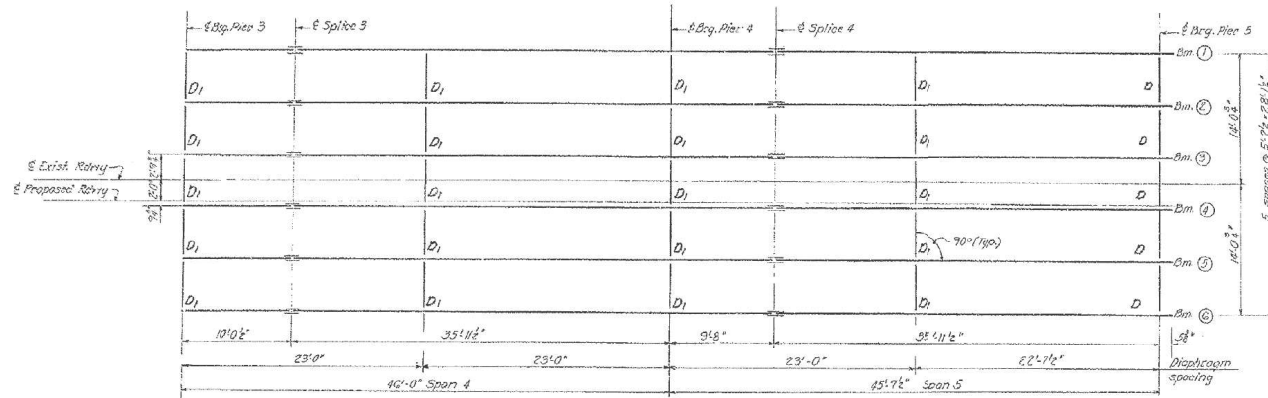
PAGE	SECTION	COUNTY	TOTAL SHEETS
1388	1Z-1VBR-2	PEORIA	235
			128
			CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

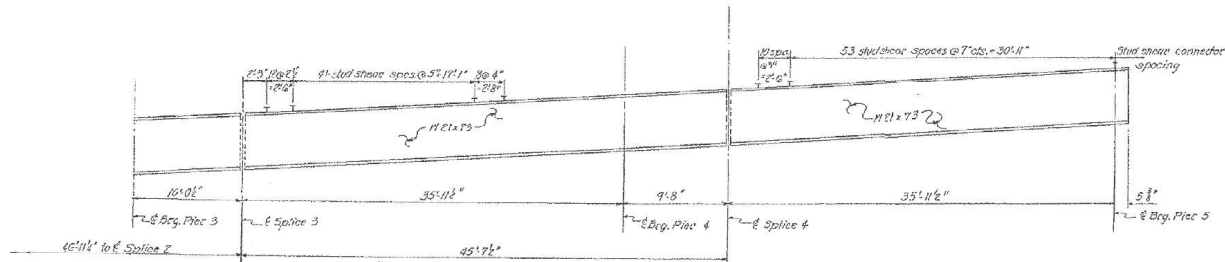
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
1388	2-1VBIBR-2	27	14

PEORIA 27 14 23 SHEETS



FRAMING PLAN-PARTIAL



BEAM ELEVATION-PARTIAL

Note: See Sheet #13 for Details.

DESIGNED: <i>J. A. H.</i>	EXAMINED: <i>M. J. S.</i>
CHECKED: <i>D. A. S.</i>	PASSED:
DRAWN: <i>D. A. S.</i>	APPROVED:
CHECKED: <i>D. A. S.</i>	DATE OF REVIEW:

FOR INFORMATION ONLY

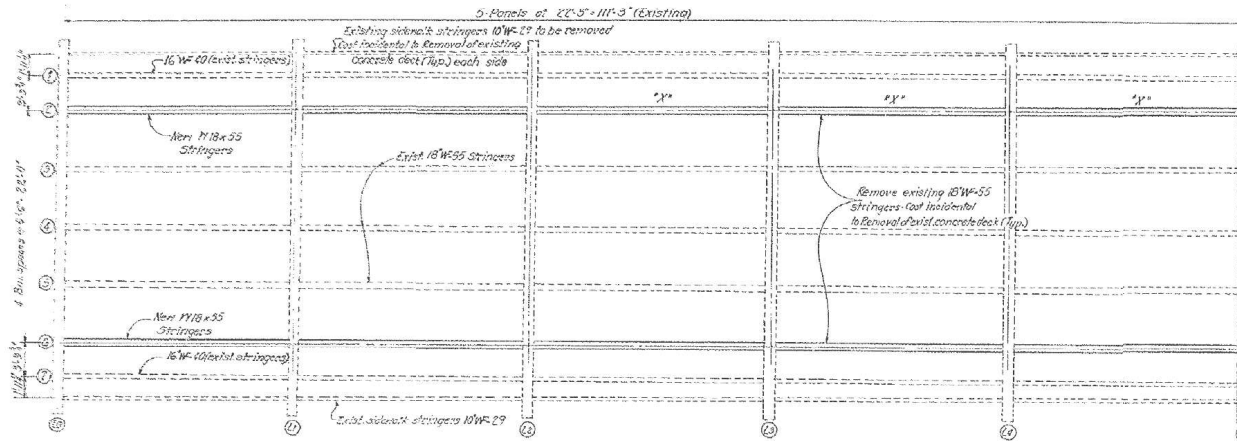
STRUCTURAL STEEL
F.A.S. RT. 984 SEC. 2-IVB-1
PEORIA COUNTY
STA. 139+16.62

S:\p1\104\104022400 - E. of BNSF Phase 1\BIBR\Design\Working\Microfilm Plot\Steel\Existing Structure.dwg

	USER NAME: Betsy	DESIGNED: ACS	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURAL STEEL II 1980 PLANS (FOR INFORMATION ONLY)	P.A.S. RITE: 1388	SECTION: 2-1VBIBR-2	COUNTY: PEORIA	TOTAL SHEETS: 235
	Illinois Design Firm Number 184.001670	CHECKED: REB	REVISED:			SHEET NO. 13 OF 28 SHEETS	CONTRACT NO. 68799		
	PLOT SCALE: 1	DRAWN: WJS	REVISED:						ILLINOIS FED. AID PROJECT
	PLOT DATE: 8/22/2019 2:58:27 PM	CHECKED: ACS	REVISED:						

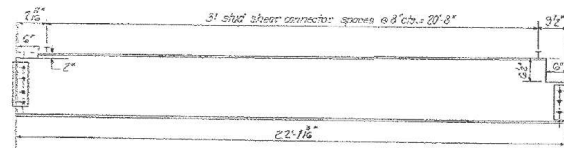
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
15-384	27-15	PEORIA	27 15	29



FRAMING PLAN
Span 6

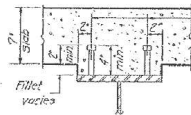
Notes:
Tops of stringers marked "X" to be 4" above
Tops of Floor Beams; all other roadway stringers
to be flush with floor Deck.
3/4" H.S. bolts, 1/2" g open holes, utilize existing holes as necessary.



BEAM ELEVATION

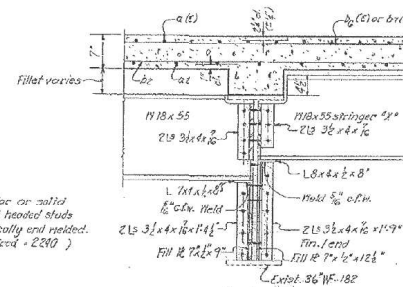
Connection detail for tops
of stringers flush with floor
beam. Same on both ends.
3 stringers required.

Connection detail for tops of
stringers 4" above floor beam.
Same on both ends.
3 stringers required.



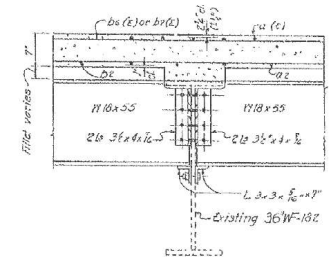
SHEAR STUDS

(for all beams new and existing)



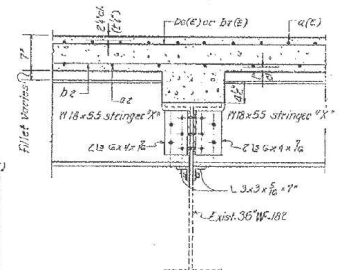
DETAIL AT L2

For non roadway stringers on No. side



TYP. STRINGER CONN.

For all new roadway stringers, except Mark "X"



DETAIL AT L4, L3

For non roadway stringers on No. side

DESIGNED	J. L. Havel	EXAMINED	MARCH 19, 2020
CHECKED	D. J. S.	PASSED	
DRAWN	sketch	APPROVED	
CHECKED	D. J. S.		

FOR INFORMATION ONLY

STRUCTURAL STEEL
R.A.S. RT. 384 SEC. 2-IV BR-1
PEORIA COUNTY
STA. 139+16.62

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL STEEL III
1980 PLANS (FOR INFORMATION ONLY)

SHEET NO. 14 OF 28 SHEETS

P.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VBR-2)	PEORIA	235	132
			CONTRACT NO. 68799	

ILLINOIS FED. AID PROJECT

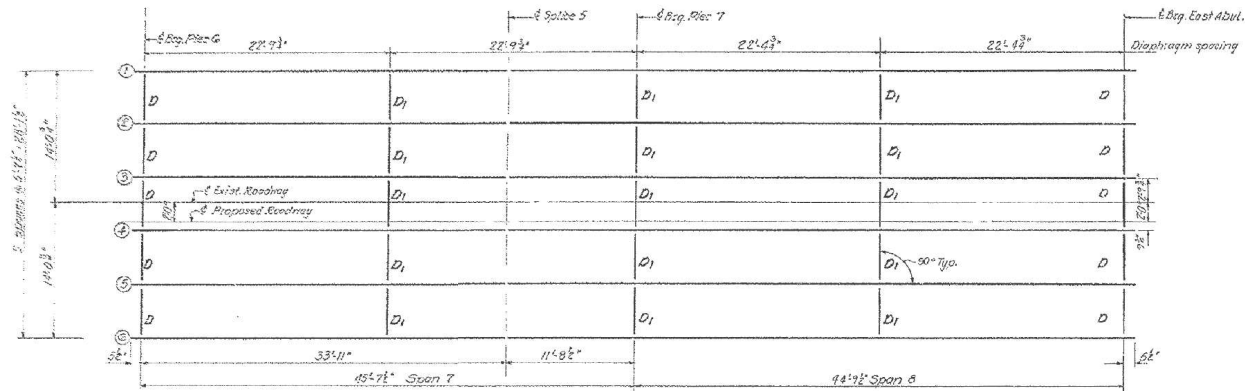


USER NAME : Betsy
Illinois Design Firm Number 184.001670
PLOT SCALE :
PLOT DATE : 8/22/2019 2:58:29 PM

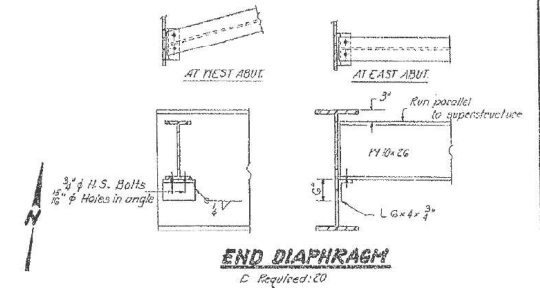
DESIGNED	- ACS	REVISED	
CHECKED	- REB	REVISED	
DRAWN	- WJS	REVISED	
CHECKED	- ACS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

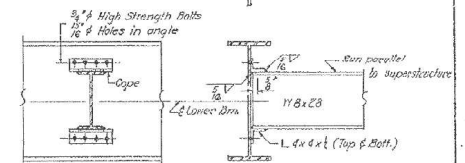
DATE	BY	CHKD	APP'D	SHEET NO.
12-14-10	AB	AB	AB	23
PEORIA 27 16				23 SHEETS



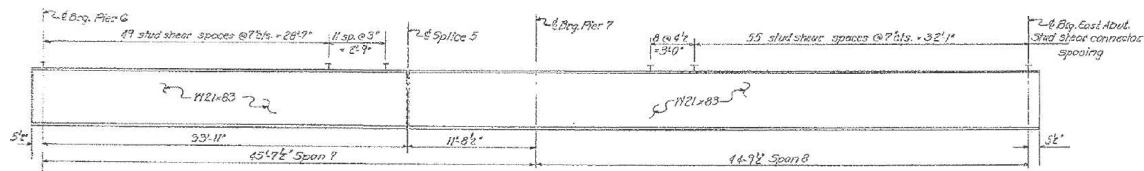
FRAMING PLAN



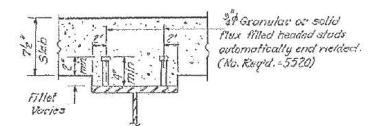
Note: Hardened washers shall be required under 1/2" holes in angles.



INTERIOR DIAPHRAGM



BEAM ELEVATION



SHEAR STUDS

DESIGNED	J. L. Hovel	REVISION	MISC B 1180
CHECKED	D. S. Chalk	APPROVED	
DRAWN	johnnie	APPROVED	
CHECKED	D. S.	APPROVED	

FOR INFORMATION ONLY

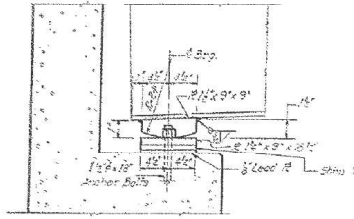
STRUCTURAL STEEL
F.A.S. RT. 504 SEC. 2-1VDR-1
PEORIA COUNTY
STA. 139+16.62

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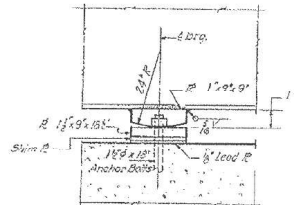
	USER NAME : Betsy	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURAL STEEL IV 1980 PLANS (FOR INFORMATION ONLY)	F.A.S. RTS. 1388	SECTION (2-1VDR-2)	COUNTY PEORIA	TOTAL SHEET NO.
	Illinois Design Firm Number 104.001670 PLOT SCALE : PLOT DATE : 8/22/2009 2:58:30 PM	CHECKED - REB DRAWN - WJS CHECKED - ACS	REVISED REVISED REVISED						235
					SHEET NO. 15 OF 28 SHEETS		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68799

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

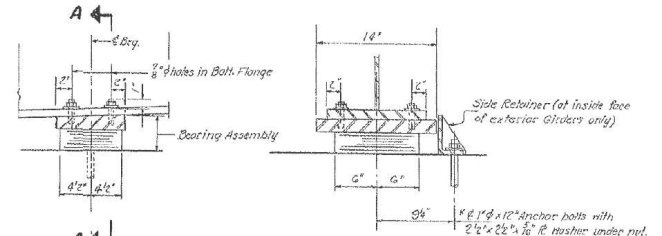
PROJECT NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
139-16-2	2	PEORIA	27	17
SHEET NO. 16 OF 23 SHEETS				



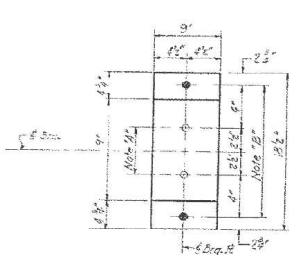
ELEVATION



ELEVATION

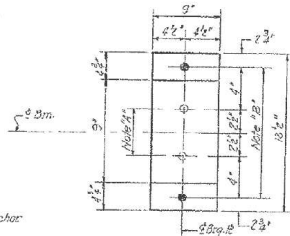


SEC. A-A
TYPE I ELASTOMERIC EXP. BRG.



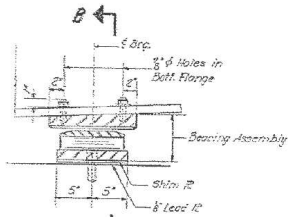
PLAN
AT WEST ABUT.

Note "A"
1/2" holes 1" deep in
top R for 1/2" Purlins
Thread or press fit
purlins in bottom R.



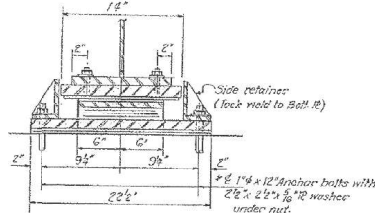
PLAN
AT PIER #7

FIXED BEARINGS

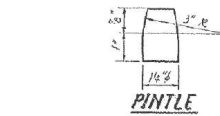


SEC. B-B
TYPE II TFE ELASTOMERIC EXP. BRG.

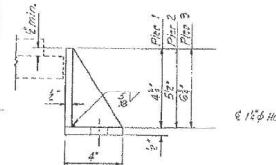
TYPE II TFE ELASTOMERIC EXP. BRG.
(1/2" Required)



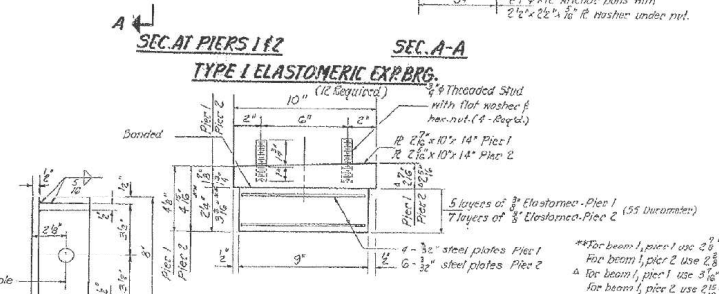
SEC. B-B



PINTLE

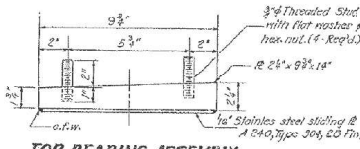


SIDE RETAINER

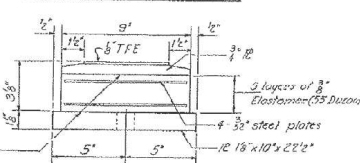


BEARING ASSEMBLY
FOR PIERS 1 & 2

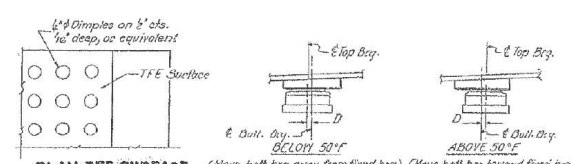
Note: Shim plates shall not be placed
under bearing assembly.



TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY
FOR PIER 3



PLAN-TFE SURFACE

1/2" TFE with dimpled surface

SEC. THRU TFE

FOR INFORMATION ONLY

SETTING ANCHOR BOLTS AT EXP. BRG.
Drill 1/2" dia. each 100' of expansion for every 15' temp. change
from the normal temp. of 50°F.

BEARING DETAILS
E.A.S. RT 388 SEC. 2-WBR-1
PEORIA COUNTY
STA. 139+16.62

Note: The 1/2" TFE sheet shall be bonded directly to the top steel
plate with a two-component, medium viscosity epoxy resin conforming
to the requirements of the Federal Specification MS-A-184, Type 2.
The bond agent shall be applied on the full area on the coated surfaces.
Bonding of 1/2" TFE sheet during vulcanizing process will be permitted
provided the process and method of adjusting assembly height is
approved by the Engineer.

DESIGNED	MAILED	19	1950
CHECKED	PASED		
DRAWN	APPROVED		
CHECKED			

* Note: After beams have been erected
holes of expansion bearings shall be
filled with mortar better graded in place.
Anchor bolts of fixed bearings may be
sullied into the masonry.



USER NAME	DESIGNED	REVIS
Belay	ACS	ACS
Illinois Design Firm Number 184.001670	CHECKED	REB
	REB	REB
PLOT SCALE	DRAWN	WJS
	WJS	WJS
PLOT DATE = 8/22/2019 2:58:32 PM	CHECKED	ACS
	ACS	ACS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BEARING DETAILS I
1980 PLANS (FOR INFORMATION ONLY)

P.L.S.	SECTION	COUNTY	TOTAL SHEET NO.
138B	(2-1VBR-2)	PEORIA	235 134
			CONTRACT NO. 68799

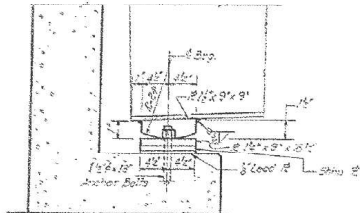
SHEET NO. 16 OF 28 SHEETS

ILLINOIS FED. AID PROJECT

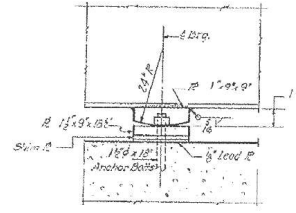
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

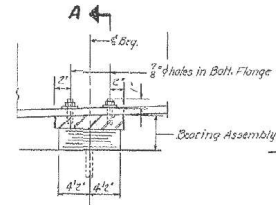
DATE PL.	SECTION	COUNTY	SHEET	SHEET NO. 14
8-22-09	IBR-1	PEORIA	27	23 SHEETS
ILLINOIS FED. AID PROJECT				



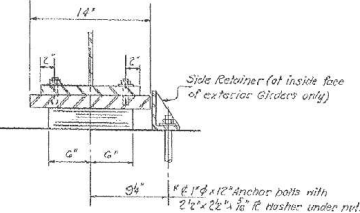
ELEVATION



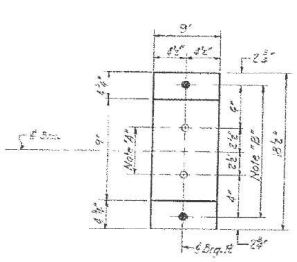
ELEVATION



A-A

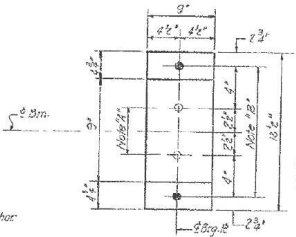


SEC. A-A



PLAN
AT WEST ABUT.

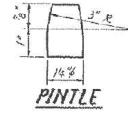
Note: 1/2" 12x12 holes in top flange for 1/2" lead bolts. Press fit pinholes in bottom flange.



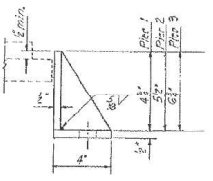
PLAN
AT PIER #7

FIXED BEARINGS

Note: 2x12 anchor bolts for 1/2" lead. Press fit pinholes under nut.

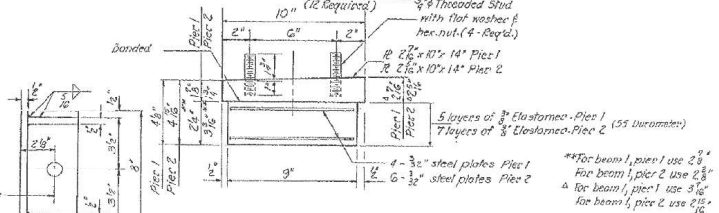


PINTLE



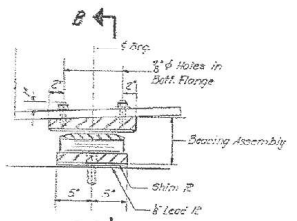
SIDE RETAINER

SEC. AT PIERS 1 & 2
TYPE I ELASTOMERIC EXP. BRG.

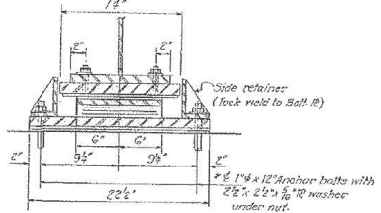


BEARING ASSEMBLY

FOR PIERS 1 & 2
Note: Shim plates shall not be placed under bearing assembly.

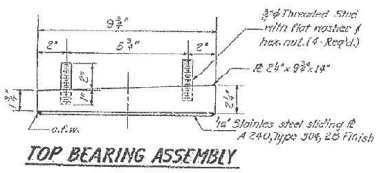


SEC. AT PIER 3

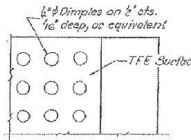


SEC. B-B

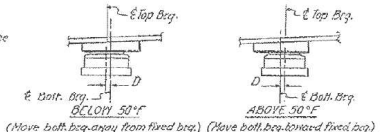
TYPE II TFE ELASTOMERIC EXP. BRG.
(6 Required)



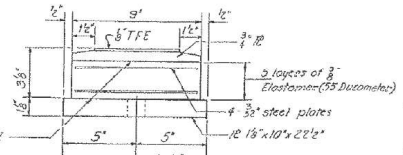
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE



SETTING ANCHOR BOLTS AT EXP. BRG.
0-1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



BOTTOM BEARING ASSEMBLY
FOR PIER 3

SEC. THRU TFE

Note: After beams have been erected holes of expansion bearings shall be drilled and anchor bolts grouted in place. Anchor bolts of fixed bearings may be built into the masonry.

FOR INFORMATION ONLY

BEARING DETAILS
K.A.S. RT. 384 SEC. 2-IBR-1
PEORIA COUNTY
STA. 135+16.62

Note: The 3/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMA-A-186, Type 1. The bond agent shall be applied on the full area on the coated surface. Bonding of TFE sheet during installation process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

DESIGNED	J. A. Hand	EXAMINED	M. S. 10/20
CHECKED	J. S. 10/20	PASSED	
DRAWN	10/20	APPROVED	
CHECKED	J. S. 10/20		



USER NAME : Betsy
Illinois Design Firm Number 184.001670
PLOT SCALE :
PLOT DATE : 8/22/2009 2:58:34 PM

DESIGNED	- ACS	REVISED	
CHECKED	- REB	REVISED	
DRAWN	- WJS	REVISED	
CHECKED	- ACS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BEARING DETAILS II
1980 PANS (FOR INFORMATION ONLY)

SHEET NO. 17 OF 28 SHEETS

P.L.S. P.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VBR-2)	PEORIA	235	135
				CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

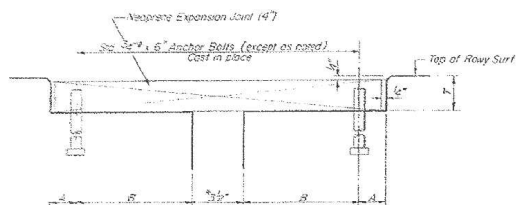
S:\p1\p1\040202400 & 0 new BMS\Phase 1\IBR\Design\IBR-1\IBR-1.dwg Plot Sheet-Casting Structure 17.09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-1V	BR-1	PEORIA	27	22
SHEET NO. 25 SHEETS				

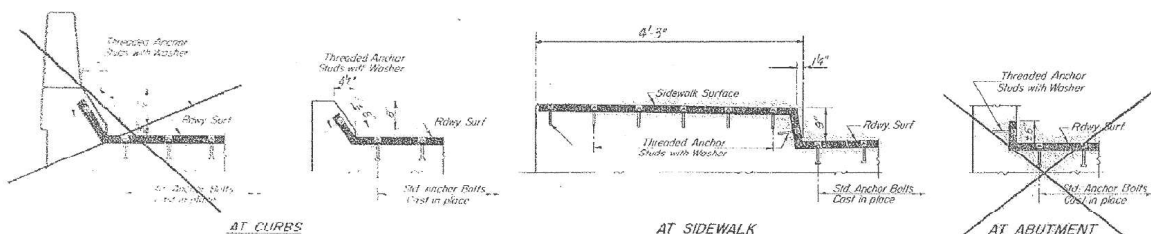
ALTERNATE NEOPRENE EXPANSION JOINTS (4")
(See Special Provisions)

Model	Supplier	Blockout Dimensions
TRANSFLEX, MODEL 900A	General Tire Company	T = 2'-9", A = 1'-3/4", B = 9'-1/4"
WADOFLEX, MODEL SR-4	Watson Bowman Associates, Inc.	T = 2'-8", A = 1'-3/4", B = 8'-1/4"
FEL-SPAN, MODEL T-40 Set joint seal 2/8" at 50°F. Use 2" x 6" Anchor Bolts. Max expansion length = 300'	Fel-Pro Building Products Inc.	T = 2'-8", A = 2'-4", B = 2'-3/4"
WARO ELASTODAM, TYPE 400 Set joint seal 2/8" at 50°F. Use 2" x 6" Anchor Bolts. Max expansion length = 300'	Watson Bowman Associates, Inc.	T = 2'-8", A = 2'-4", B = 2'-3/4"



CROSS SECTION
at 50°F
Dimensions are at right angles

NOTE:
Joint openings shall be adjusted in accordance with Article 503.02(f) of the Std. Specs, when the deck is poured at an ambient temperature other than 50°F.



TYPICAL END TREATMENTS

Max expansion length for the Fel-Span, Model T-40 and Waro Elastodam, Type 400 = 300 ft.

NEOPRENE EXPANSION JOINTS (4")
FOR EXPANSION LENGTHS OF DECK = 200 ft. to 520 ft.

FA 384 SEC 2-1VAR-1
PEORIA COUNTY
STA. 139+16.62

FOR INFORMATION ONLY

DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
DRAWN BY: *[Signature]*
DATE: *[Signature]*

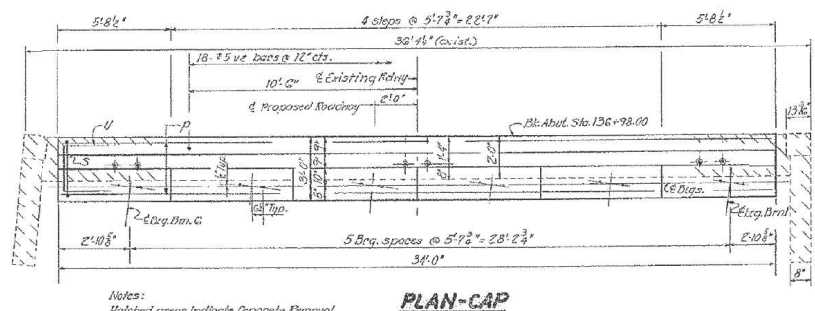
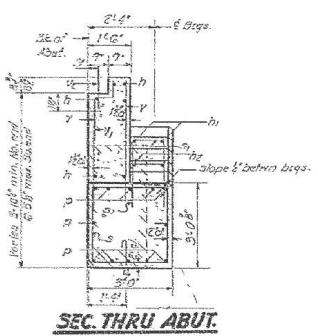
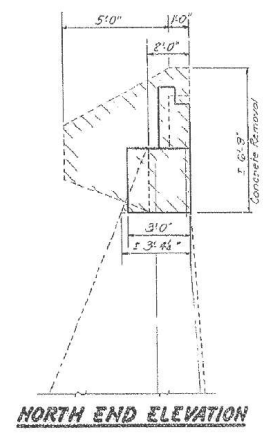
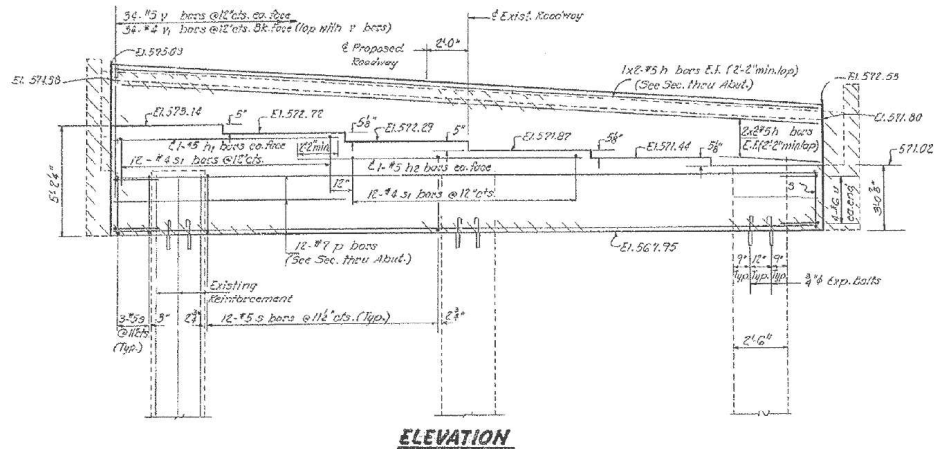
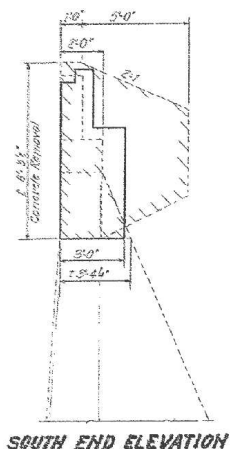
EU-3

S:\proj\10402024\10402024.dwg E. P. van Buren Phase 10402024.dwg Microfilm Plot Sheet Casting Structure Design

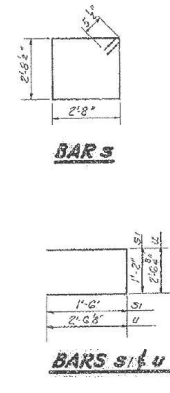
	USER NAME : Belay	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS II 1980 PLANS (FOR INFORMATION ONLY)	PLANS:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Illinois Design Firm Number 184.001670 PLOT SCALE : PLOT DATE : 8/22/2019 2:58:43 PM	CHECKED - REB	REVISED			1388	(2-1VBRR-2)	PEORIA	235	139

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	22-10	SECTION	27	SHEET NO.	20
DATE	8/22/09	PROJECT NAME	PEORIA	SHEETS	73



Notes:
 Hatched areas indicate Concrete Removal.
 Existing reinforcement extending into the removed area shall be cleaned and incorporated into the new construction.
 All edges shall have standard 3/8" diameter unless otherwise noted.
 Expansion bolts shall be anchored in sound concrete.
 Rebar steps manufactured with cap.
 Space reinforcement in cap to miss anchor bolts.
 Bars indicated thus 1x2 #5 etc. indicates 1 line of bars with 2 lengths per line.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	12	#5	18'-0"	
h1	2	#5	11'-2"	
h2	2	#5	13'-4"	
p	12	#7	33'-9"	
s	30	#5	11'-8"	
s1	24	#4	4'-8"	
u	8	#5	7'-7"	
v	8	#5	7'-10"	
v1	32	#4	1'-11"	
v2	18	#5	2'-0"	
Concrete Removal				
Class A Concrete				
Reinforcement Bars				
Expansion Bolts (3/8")				

DESIGNED	J. J. Hill	EXAMINED	Mark D. Hill
CHECKED	D. J. Hill	PASSED	
DRAWN	catonic	APPROVED	
CHECKED	D. J. Hill		

FOR INFORMATION ONLY

WEST ABUTMENT
R.A.S. RT. 384 SEC. 2-1VBR-1
PEORIA COUNTY
STA. 135+16.62



USER NAME: Betsy
 Illinois Design Firm Number 184.001670
 PLOT SCALE: 1/8" = 1'-0"
 PLOT DATE: 8/22/2009 2:58:45 PM

DESIGNED	- ACS	REVISED	
CHECKED	- REB	REVISED	
DRAWN	- WJS	REVISED	
CHECKED	- ACS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WEST ABUTMENT
1980 PLANS (FOR INFORMATION ONLY)

SHEET NO. 22 OF 28 SHEETS

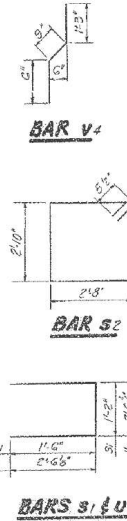
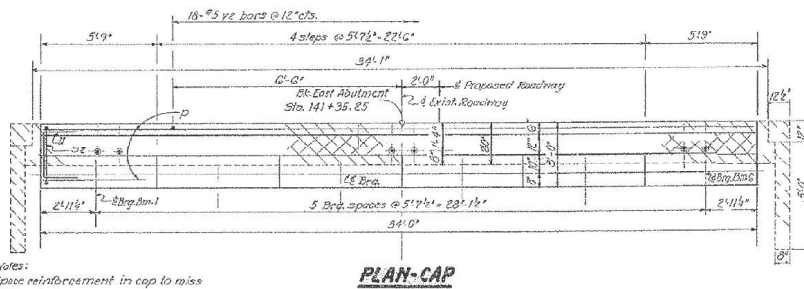
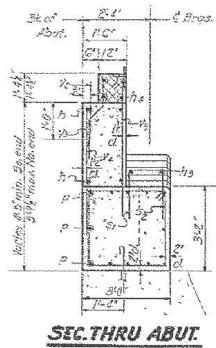
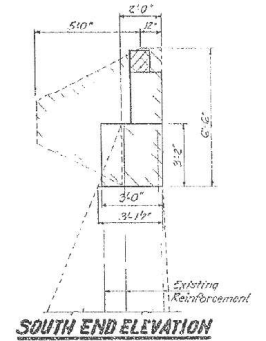
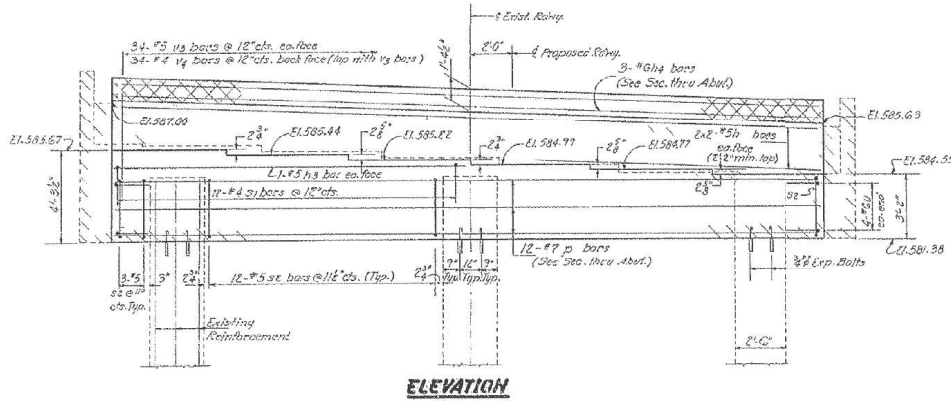
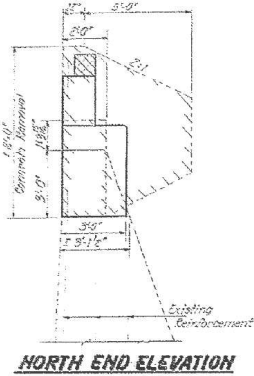
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1388	(2-1VBR-2)	PEORIA	235	140
CONTRACT NO.			68799	

ILLINOIS FED. AID PROJECT

S:\p1\p1\08\0822\08_22_09\BSP_Plan\184001670\184001670.dwg Microfilm Plot Sheet Casting Structure 2/2/09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	12-1VB	PEORIA	27	24
23 SHEETS				



BILL OF MATERIAL

Bar No.	Size	Length	Shape
h	#8	18'0"	
h3	#5	16'9"	
h4	#6	33'0"	
f	#7	9'9"	
s1	#8	4'8"	
s2	#3	14'0"	
u	#6	7'9"	
ye	#5	2'0"	
vs	#5	3'0"	
vy	#4	2'6"	

Concrete Removal	Cu. Yd.	14
Class 1 Concrete	Ce. 12	15.3
Reinforcement Bars	Feurid	600
Expansion Bolts (#4)	Each	6

EAST ABUTMENT
E.A.S.R.T. 334 SEC. 2B-1
PEORIA COUNTY
STA. 139+16.62

FOR INFORMATION ONLY

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Hatched area indicates Concrete Removal.
Cross-hatched area shall be poured after superstructure forms have been removed. Quantity of Class 1 Concrete includes mesh superstructure. Existing reinforcement extending into removed area shall be cleared and incorporated into the new construction.
Expansion bolts shall be anchored in sound concrete.
All edges shall have standard 1/2" chamfers except as noted.
Bars indicated thus 2x2-#5 etc. indicates 2 lines of bars with 2 lengths per line.

DESIGNED	Checked	EXAMINED	Mikes vs 1850
CHECKED	Checked	PASSED	
DRAWN	Checked	APPROVED	
CHECKED	Checked		



USER NAME : Betsy
Illinois Design Firm Number 184.001670
PLOT SCALE :
PLOT DATE : 8/22/2019 2:58:47 PM

DESIGNED	- ACS	REVISED
CHECKED	- REB	REVISED
DRAWN	- WJS	REVISED
CHECKED	- ACS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING EAST ABUTMENT
1980 PLANS (FOR INFORMATION ONLY)

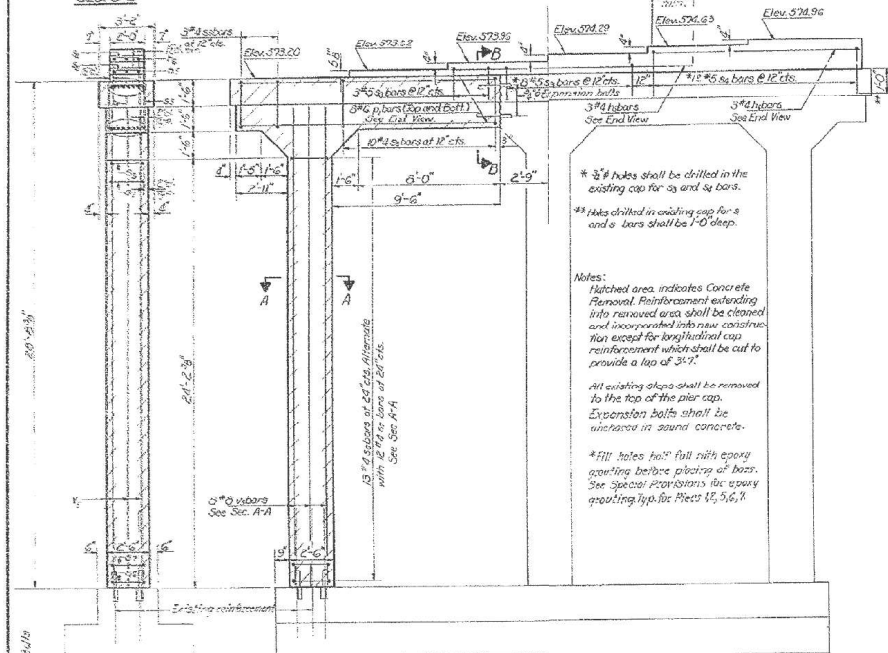
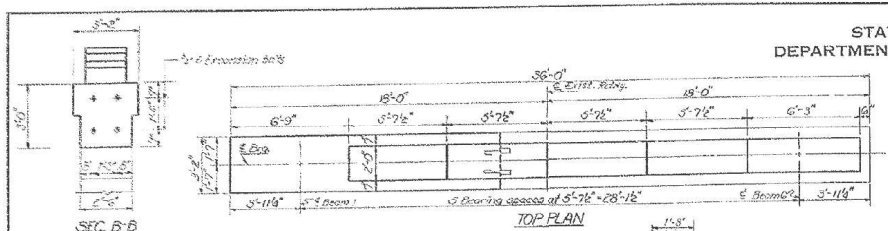
SHEET NO. 23 OF 28 SHEETS

P.A.S. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
138B	12-1VBBR-2	PEORIA	235	141
CONTRACT NO. 68799				

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 22
23 SHEETS

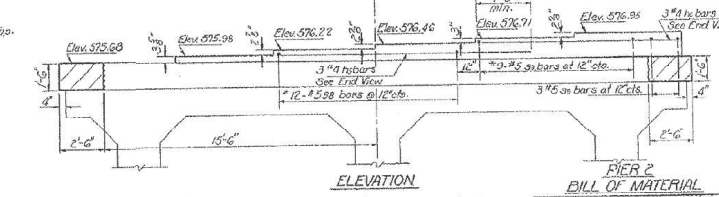
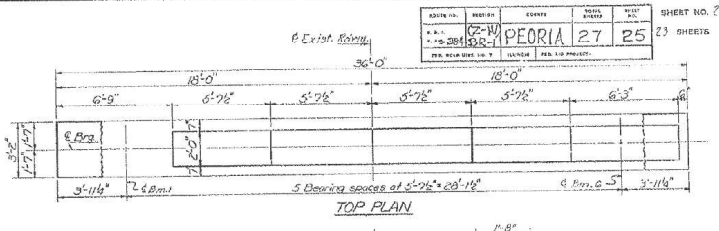
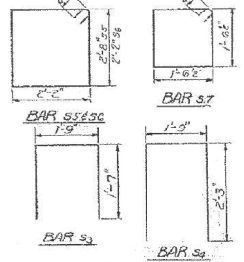


* 3/4" holes shall be drilled in the existing cap for s3 and s4 bars.
** Holes drilled in existing cap for s3 and s4 bars shall be 1'-0" deep.

Notes:
Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into new construction. Run except for longitudinal cap reinforcement which shall be cut to provide a lap of 3'-0".
All existing steps shall be removed to the top of the pier cap.
Expansion bolts shall be anchored in sound concrete.
* Fill holes with full strength epoxy grouting before placing of bars. See Special Provisions for epoxy grouting for Specs 15, 5, 6, 7.

PIER 1
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5	3	#4	12'-3"	
h6	3	#4	11'-6"	
h1	10	#6	10'-8"	
s3	11	#5	4'-4"	
s4	12	#5	6'-5"	
s5	13	#4	10'-5"	
s6	13	#4	9'-5"	
s7	12	#4	6'-11"	
s8	5	#5	2'-0"	
Class X Concrete			Cu. Yd.	13.3
Concrete Removal			Cu. Yd.	0
Reinforcement Bars			Pounds	1049
Expansion Bolts (3/8")			Each	8

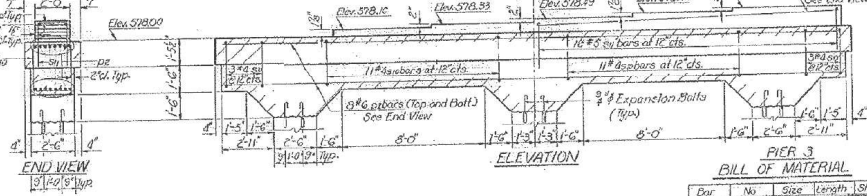
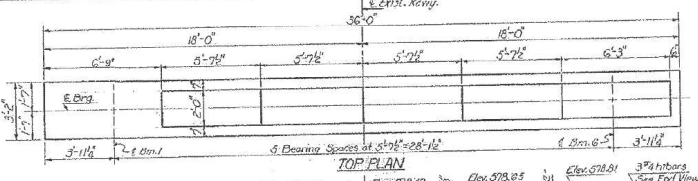
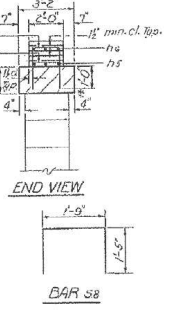


* 3/4" holes shall be drilled in the existing cap for s3 and s4 bars.
** Holes drilled in existing cap for s3 and s4 bars shall be 1'-0" deep.

Notes: Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into new construction.
All existing steps shall be removed to the top of the pier cap.

PIER 2
BILL OF MATERIAL

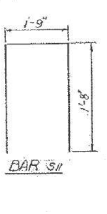
Bar	No.	Size	Length	Shape
h5	3	#4	12'-9"	
h6	3	#4	11'-6"	
s3	12	#5	6'-7"	
s4	12	#5	9'-5"	
Class X Concrete			Cu. Yd.	8.6
Concrete Removal			Cu. Yd.	0
Reinforcement Bars			Pounds	170



Notes: Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into new construction.
Expansion bolts shall be anchored in sound concrete.

PIER 3
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h7	3	#4	11'-9"	
h8	16	#4	35'-0"	
s10	28	#4	10'-4"	
s11	18	#5	5'-1"	
Expansion Bolts (3/8")			Each	12
Class X Concrete			Cu. Yd.	13.8
Concrete Removal			Cu. Yd.	0
Reinforcement Bars			Pounds	3160



FOR INFORMATION ONLY

PIERS 1, 2 and 3
EAS. AT. 304 - SEC. 2 - IWB-1
PEORIA COUNTY
STATION 13916.62

DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]
EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

USER NAME: Belay
Illinois Design Firm Number 184.001670
PLOT SCALE: 1
PLOT DATE: 8/22/2019 2:58:49 PM

DESIGNED - ACS
CHECKED - REB
DRAWN - WJS
CHECKED - ACS

REVISED
REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PIERS 1, 2 & 3
1980 PANS (FOR INFORMATION ONLY)

SHEET NO. 24 OF 28 SHEETS

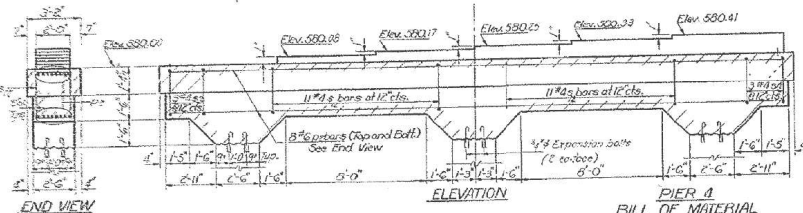
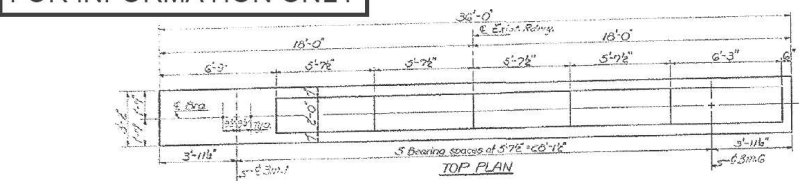
P.F.S. PTE.	SECTION	COUNTY	TOTAL SHEET NO.
1388	(2-1)WB-2	PEORIA	235 142
			CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT			

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FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

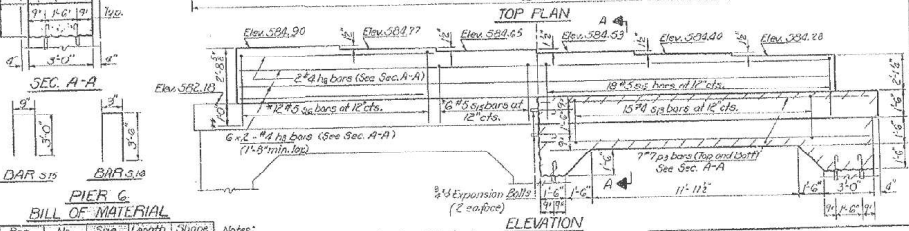
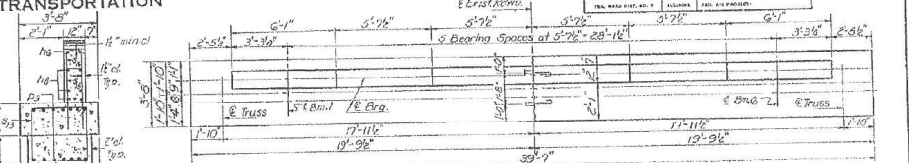
ROUTE NO.	SECTION	COUNTY	PROJECT	SHEET NO.
2-114	2-114B-2	PEORIA	27 26	23 SHEETS



**PIER 4
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
12	16	#6	35'-0"	
13	20	#3	10'-2"	
14	12	#4	12'-0"	
15	12	#5	7'-0"	
16	12	#5	7'-0"	
17	12	#5	7'-0"	
18	12	#5	7'-0"	
19	12	#5	7'-0"	
20	12	#5	7'-0"	
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95	12	#5	7'-0"	
96	12	#5	7'-0"	
97	12	#5	7'-0"	
98	12	#5	7'-0"	
99	12	#5	7'-0"	
100	12	#5	7'-0"	

Note: Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into new construction. Expansion bolts shall be encased in sound concrete.



**PIER 6
BILL OF MATERIAL**

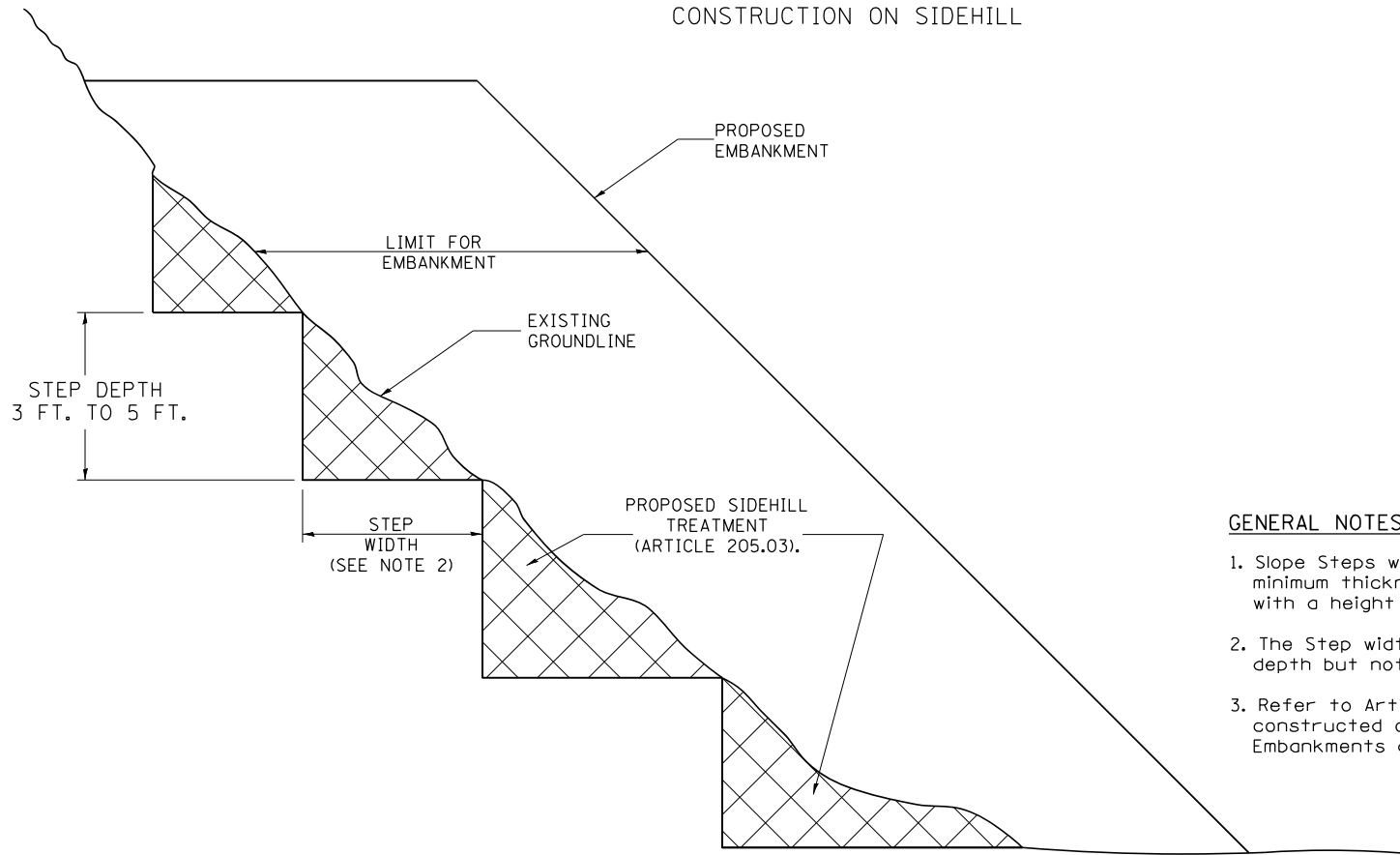
Bar	No.	Size	Length	Shape
1	2	#4	17'-0"	
2	2	#4	17'-0"	
3	2	#4	17'-0"	
4	2	#4	17'-0"	
5	2	#4	17'-0"	
6	2	#4	17'-0"	
7	2	#4	17'-0"	
8	2	#4	17'-0"	
9	2	#4	17'-0"	
10	2	#4	17'-0"	
11	2	#4	17'-0"	
12	2	#4	17'-0"	
13	2	#4	17'-0"	
14	2	#4	17'-0"	
15	2	#4	17'-0"	
16	2	#4	17'-0"	
17	2	#4	17'-0"	
18	2	#4	17'-0"	
19	2	#4	17'-0"	
20	2	#4	17'-0"	
21	2	#4	17'-0"	
22	2	#4	17'-0"	
23	2	#4	17'-0"	
24	2	#4	17'-0"	
25	2	#4	17'-0"	
26	2	#4	17'-0"	
27	2	#4	17'-0"	
28	2	#4	17'-0"	
29	2	#4	17'-0"	
30	2	#4	17'-0"	
31	2	#4	17'-0"	
32	2	#4	17'-0"	
33	2	#4	17'-0"	
34	2	#4	17'-0"	
35	2	#4	17'-0"	
36	2	#4	17'-0"	
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39	2	#4	17'-0"	
40	2	#4	17'-0"	
41	2	#4	17'-0"	
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47	2	#4	17'-0"	
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49	2	#4	17'-0"	
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93	2	#4	17'-0"	
94	2	#4	17'-0"	
95	2	#4	17'-0"	
96	2	#4	17'-0"	
97	2	#4	17'-0"	
98	2	#4	17'-0"	
99	2	#4	17'-0"	
100	2	#4	17'-0"	

Note: For detail of #3 bars see Pier 5 on this sheet.
 * #3 holes shall be drilled in the existing cap for #3 and #4 bars.
 ** Holes drilled in existing cap for #3 and #4 bars shall be 1'-0" deep.
 Hatched area indicates Concrete Removal. Reinforcement extending into removed area shall be cleaned and incorporated into new construction except for longitudinal cap reinforcement which shall be cut to provide a lap of 4'-0".
 Expansion bolts shall be anchored in sound concrete.
 All existing steps shall be removed to the top of the pier cap.
 Bars indicated #10s G.2 # etc. indicates G lines of bars with 2 lengths per line.

**PIER 7
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
1	2	#4	17'-0"	
2	2	#4	17'-0"	
3	2	#4	17'-0"	
4	2	#4	17'-0"	
5	2	#4	17'-0"	
6	2	#4	17'-0"	
7	2	#4	17'-0"	
8	2	#4	17'-0"	
9	2	#4	17'-0"	
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55	2	#4	17'-0"	
56	2	#4	17'-0"	
57	2	#4	17'-0"	
58	2	#4	17'-0"	
59	2	#4	17'-0"	
60	2	#4	17'-0"	
61	2	#4	17'-0"	
62	2	#4		

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 a 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	T.P.			
	BOX, REVISED GENERAL NOTES.				
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

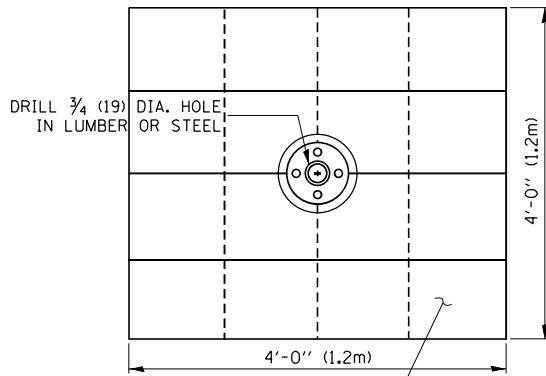
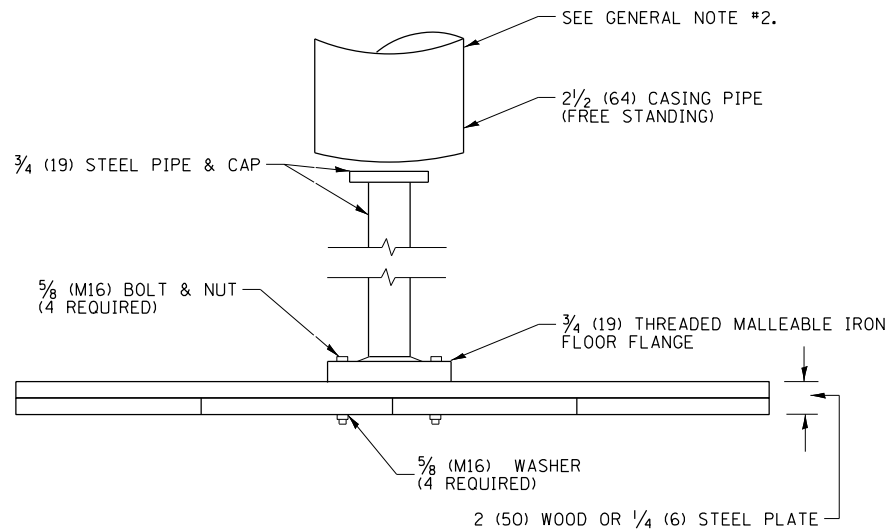
SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

P.A.S. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
138B	(Z-1V)BR-2	PEORIA	235	147
CONTRACT NO.			68799	

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



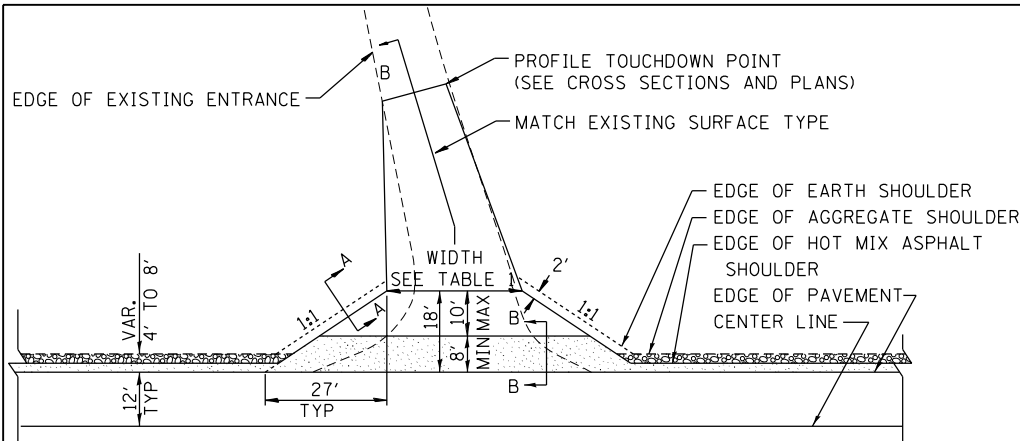
SOUND LUMBER - 1(25) x 12(300) NAILED TOGETHER OR 1/4(6) THICK BY 4'(1.2m) SQUARE STEEL PLATE

GENERAL NOTES:

1. Settlement Platform shall be in accordance with the applicable portions of Article 204.06 of the Standard Specifications.
2. Do Not install casing pipe until after one section of 3/4"(19 mm) has been covered with earth. The casing pipe should not rest on platform.

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

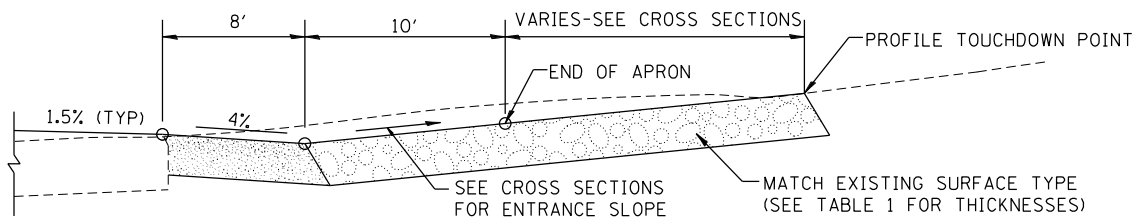
1-1-97	RENUM. L-5.04, NEW REVISION BOX, REVISED NOTES, REVISED TITLE BOX	T.P.	8-23-01	UPDATE FOR NEW SPEC.	M.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SETTLEMENT PLATFORM	NOT TO SCALE	CADD STD. 205101-D4	<table border="1"> <tr> <th>P.A.S. PTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>138B</td> <td>(2-1VB)BR-2</td> <td>PEORIA</td> <td>235</td> <td>148</td> </tr> <tr> <td colspan="3"></td> <td colspan="2" style="text-align: center;">CONTRACT NO. 68799</td> </tr> <tr> <td colspan="2">FED. ROAD DIST. NO.</td> <td colspan="3">ILLINOIS FED. AID PROJECT</td> </tr> </table>	P.A.S. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	138B	(2-1VB)BR-2	PEORIA	235	148				CONTRACT NO. 68799		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P.A.S. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																										
138B	(2-1VB)BR-2	PEORIA	235	148																										
			CONTRACT NO. 68799																											
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																												
4-14-99	ADDED "CASING PIPE" REQUIREMENT	J.A.	10-16-06	REVISED TO 2007 SPEC.	M.A.																									
5-19-99	CORRECTIONS TO CASING PIPE	J.A.																												



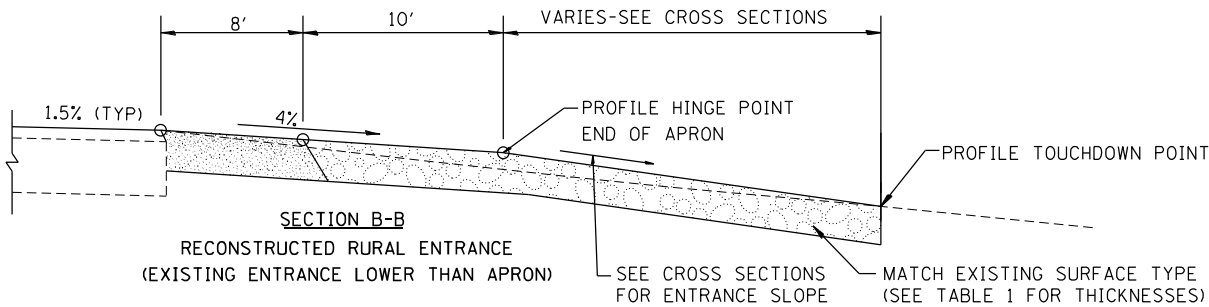
HOT MIX ASPHALT SHOULDER, 8"
 AGGREGATE SHOULDER, TYPE B, 6"

PLAN

COMMERCIAL / FARM-RELATED ENTRANCE

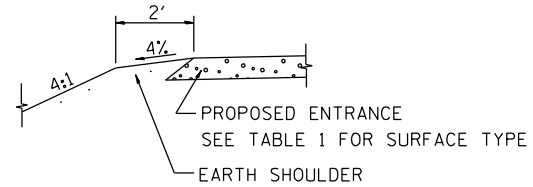


SECTION B-B
 RECONSTRUCTED RURAL ENTRANCE
 (EXISTING ENTRANCE HIGHER THAN APRON)



SECTION B-B
 RECONSTRUCTED RURAL ENTRANCE
 (EXISTING ENTRANCE LOWER THAN APRON)

TABLE 1					
RURAL ENTRANCE DESIGN					
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL	
				1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Min, 30'(9.0m)Max.	14'(4.3m) Min, 24'(7.2m) Max.	24'(7.2m) Min, 35'(10.7m) Max.
FLARE	1:1.5				
MAX. GRADE (G)	12%		12%	10%	
SURFACE TYPE					
INCIDENTAL HOT MIX ASPHALT SURFACING	6"		—	8"	
AGGREGATE SURFACE COURSE	6"		8"	—	
PCC DRIVEWAY PAVEMENT	6"		—	7"	



SECTION A-A
 SHOULDER TREATMENT FOR RURAL ENTRANCES

GENERAL NOTES

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

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

01-01-97	RENLM. C-103.06, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-01-97	REVISE DESIGNER NOTES	J.A.	9-15-15	UPDATED TABLE 1	R.D.
01-17-03	ADJUST DESIGN, CHANGE ENTRANCE	JATR	2-29-16	MINOR CORRECTIONS	R.D.
09-15-05	RADIUS FOR FLARE	M.M.A.	5-9-17	CHANGED TAPER RATE	R.D.

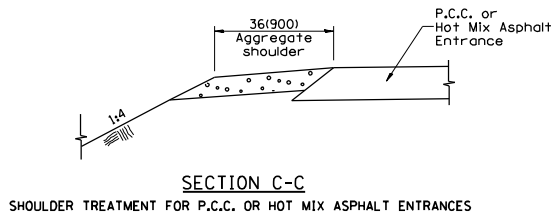
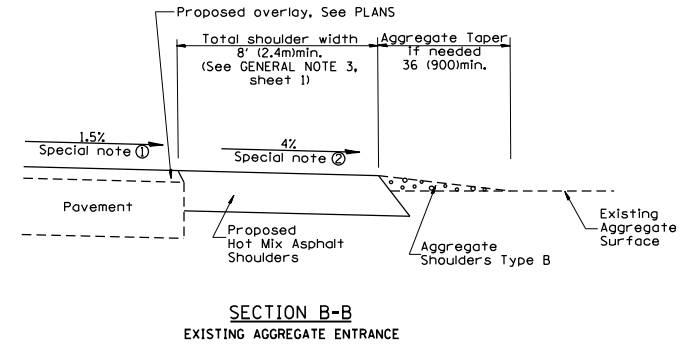
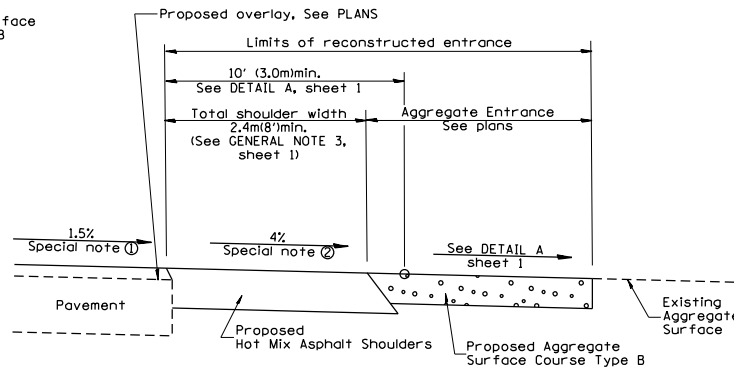
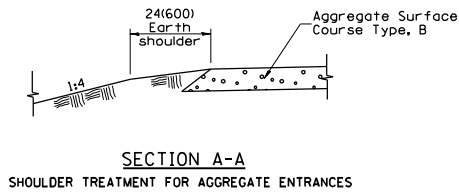
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCES FOR "3R" PROJECTS

NOT TO SCALE

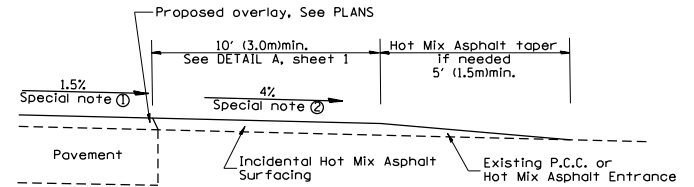
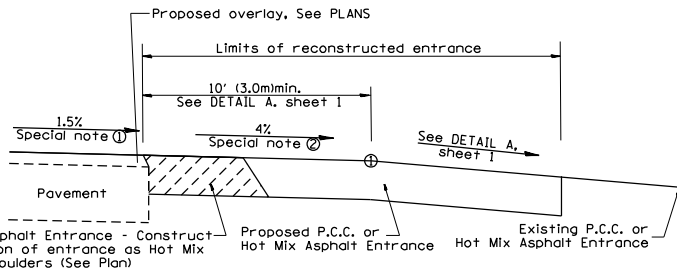
SHT. 1 OF 2
 CADD STD. 406301-D4

P.A.S. 1	SECTION	COUNTY	TOTAL SHEET
1388	(2-1V)BR-2	PEORIA	235 149
			CONTRACT NO. 68799
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



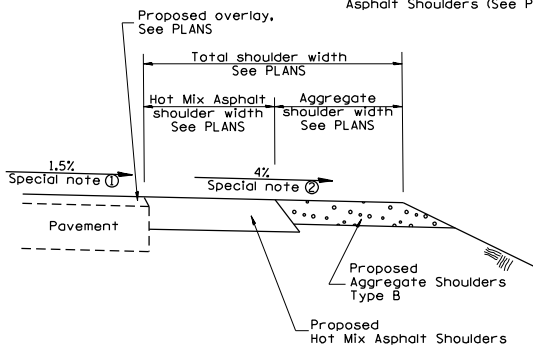
SECTION B-B
RECONSTRUCTED AGGREGATE ENTRANCE

SECTION B-B
EXISTING AGGREGATE ENTRANCE



SECTION D-D
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE

SECTION D-D
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE



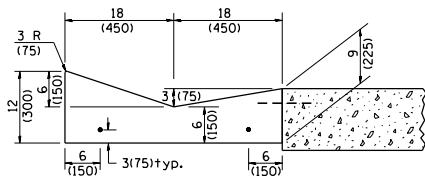
SECTION E-E
MAINLINE SHOULDER TREATMENT

SPECIAL NOTES

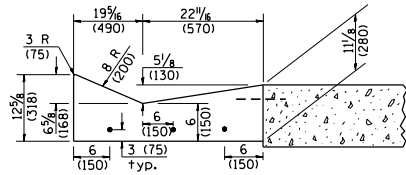
- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on super-elevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through super-elevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

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

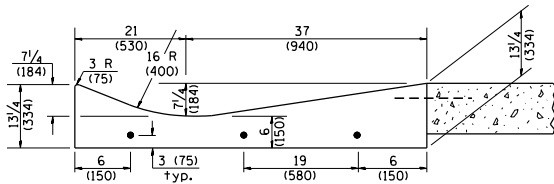
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		RURAL ENTRANCES FOR "3R" PROJECTS		P.A.S. DIST. SECTION COUNTY TOTAL SHEET NO.
		NOT TO SCALE		1388 (2-1VB)BR-2 PEORIA 235 150
		SHT. 2 OF 2		CONTRACT NO. 68799
		CADD STD. 406301-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



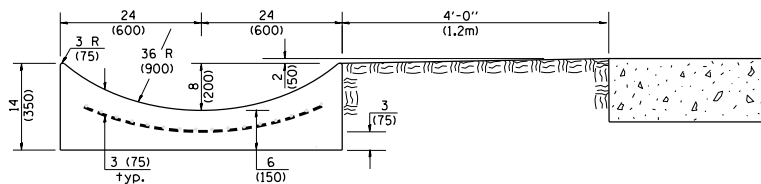
SECTION A-A



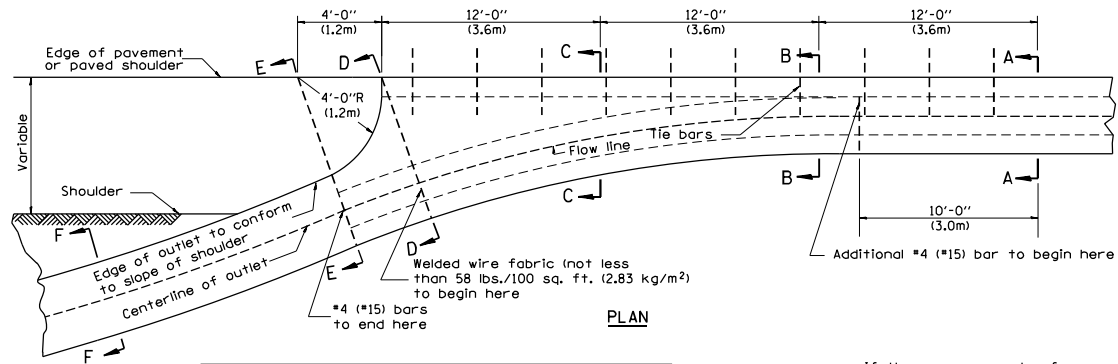
SECTION B-B



SECTION C-C



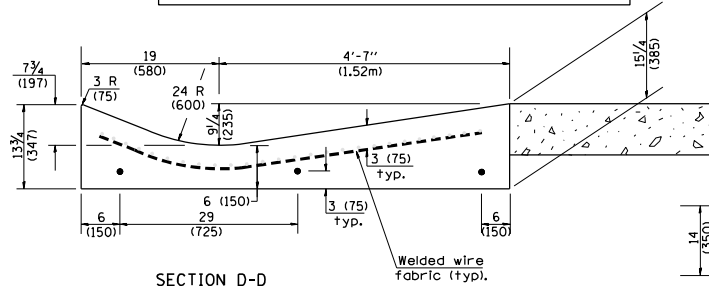
SECTION E-E



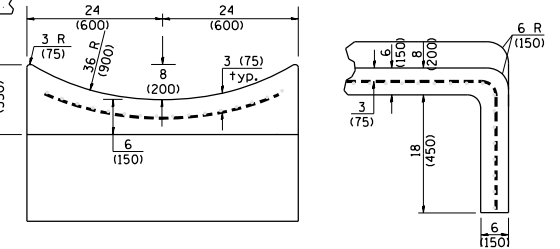
PLAN

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.

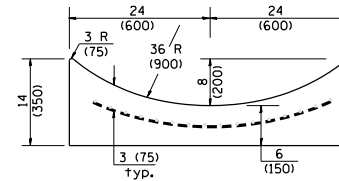
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTIONS AT END OF OUTLET
(CURTAIN WALL)



SECTION F-F

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

OUTLET

QUANTITIES

CALC. BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

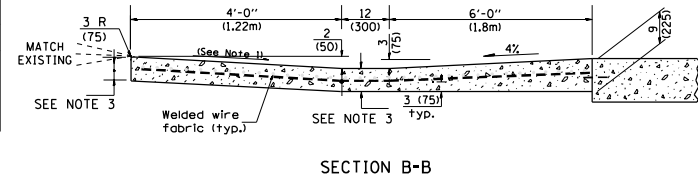
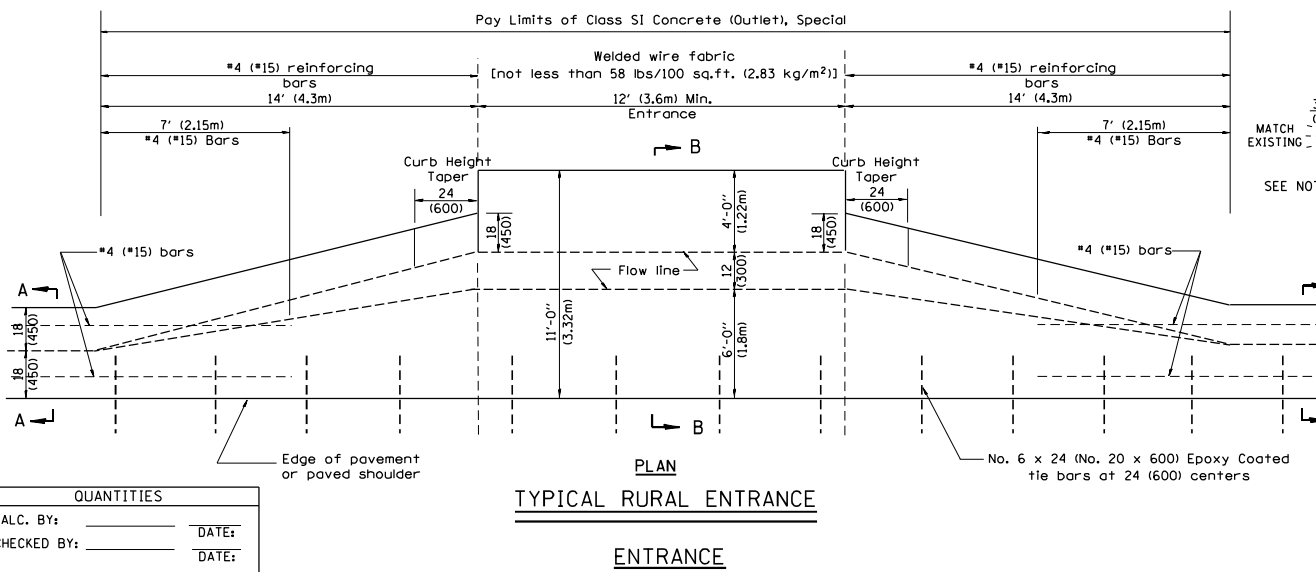
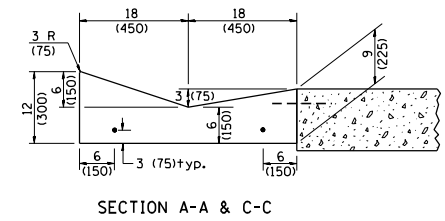
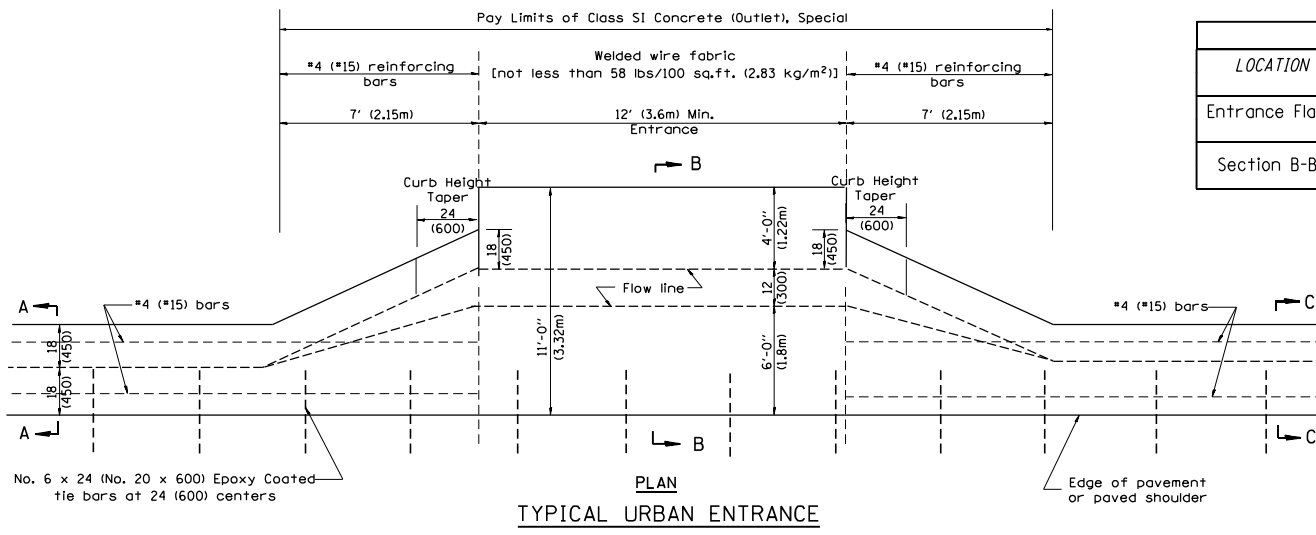
NOT TO SCALE

SHT. 2 OF 3
 CADD STD. 606101-D4

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

P.A.S. DATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VB)BR-2	PEORIA	235	152
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68799	

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)

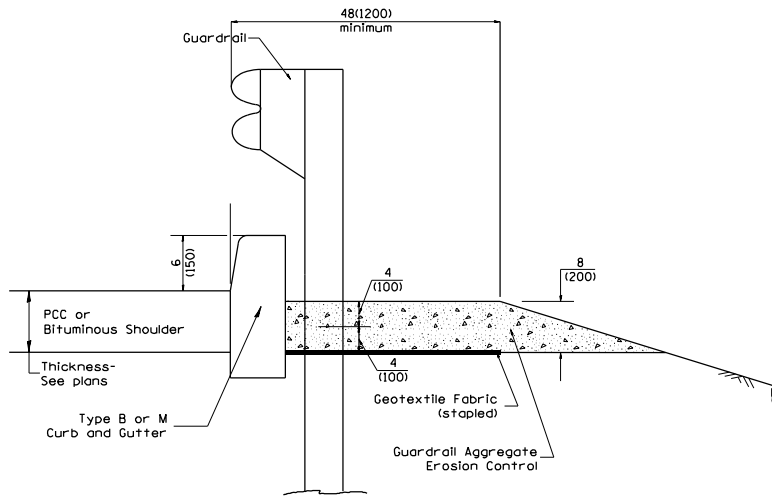


QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:

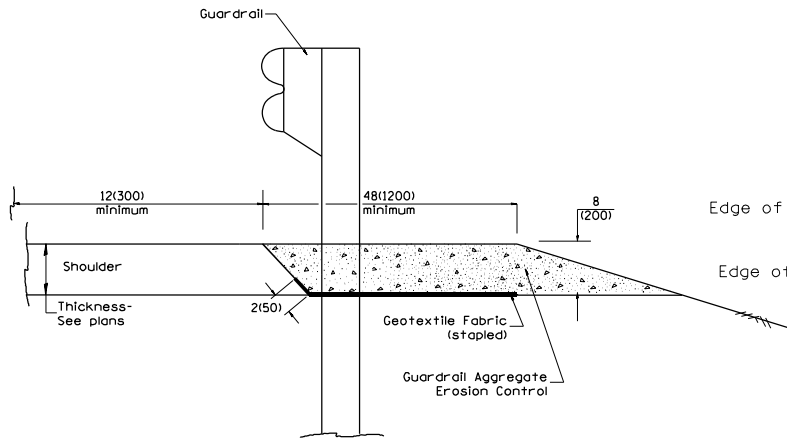
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

- 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.



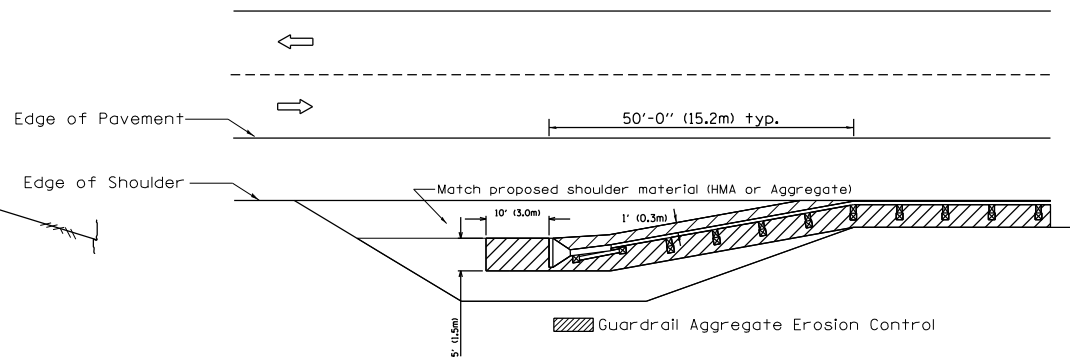
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

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.



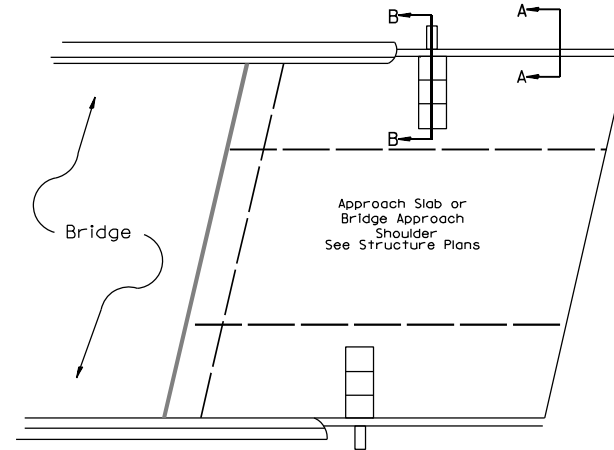
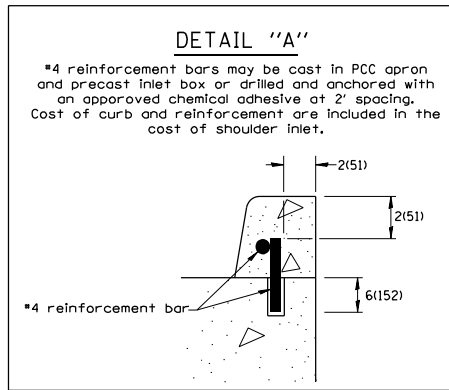
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.
11-03-00	CORRECTION TO NOTES	M.A.	07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.	01-26-17	REVISED	R.D.

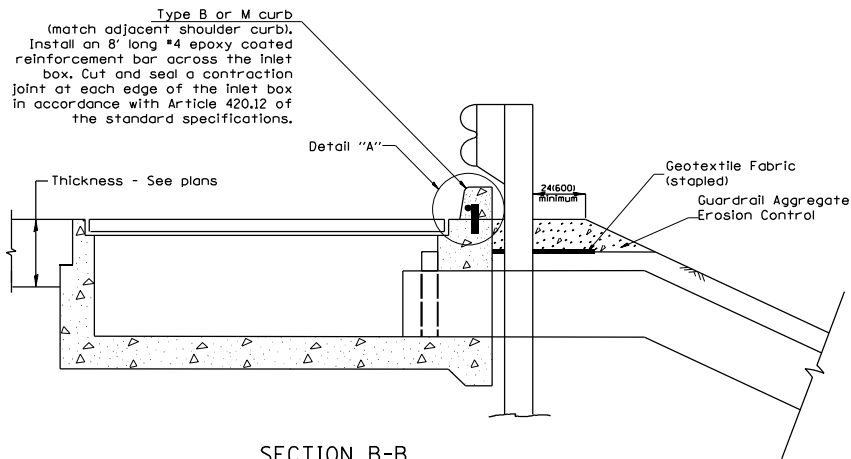
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS
NOT TO SCALE
SHT. 1 OF 2
CADD STD. 630101-D4

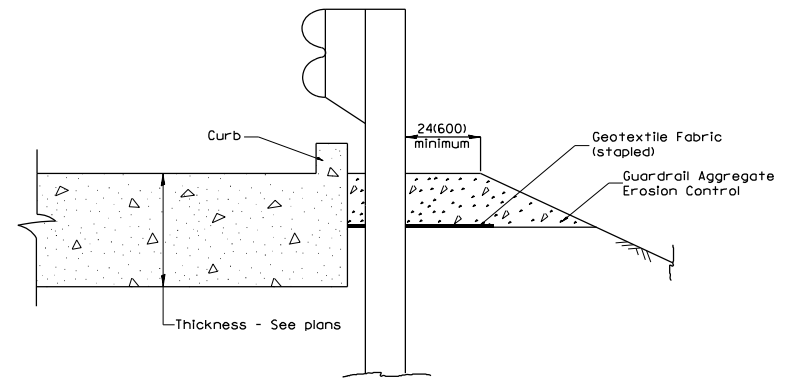
P.A.S. PILES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
138B	(2-1VB)BR-2	PEORIA	235	154
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68799	



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.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

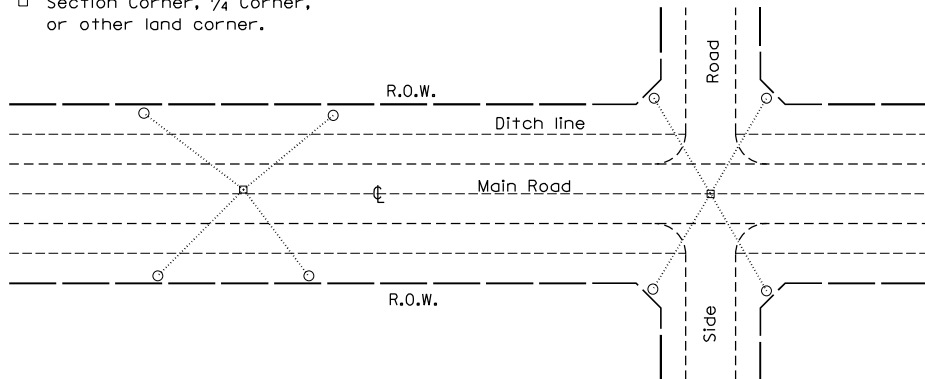
NOT TO SCALE

SHT. 2 OF 2
CADD STD. 630101-D4

P.A.S. PILES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VB)BR-2	PEORIA	235	155
CONTRACT NO. 68799				
ILLINOIS FED. AID PROJECT				

PERMANENT SURVEY TIES

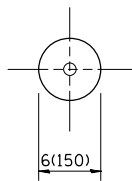
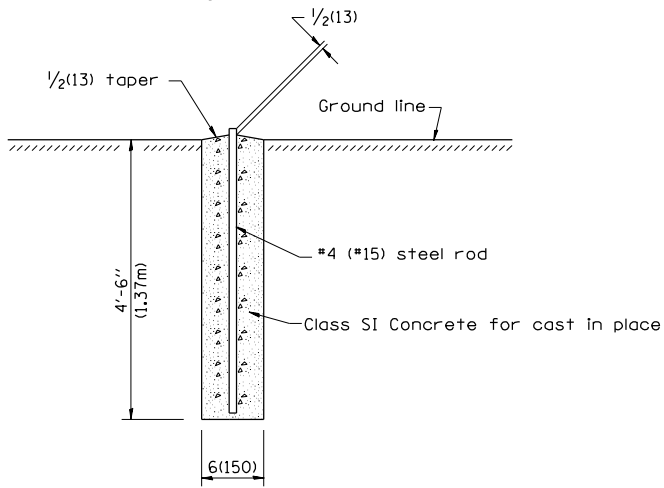
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

GENERAL NOTES

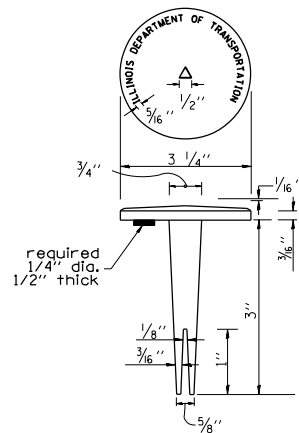
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall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



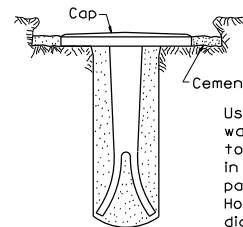
PLAN

SECTION

PERMANENT SURVEY MARKERS



BRASS TABLE



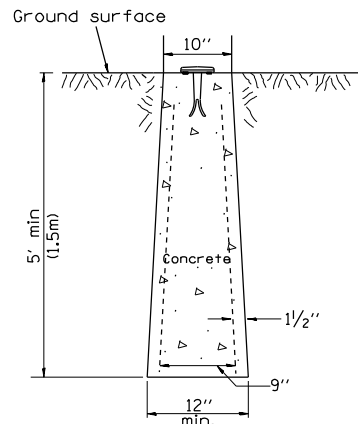
Tablet constructed in rock ledge or concrete.

TYPE I

Cement or approved epoxy
Use pure cement and water or approved epoxy to seal marker tablet in rock ledge, concrete pavement or structure. Hole shall be 1 1/2" diameter.

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.



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

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

01-01-97	RENUM. D-3-01, NEW REVISION BOX, REVISED TITLE BOX, ADD DESIGNER NOTE	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-07-98	ADD DESIGNER NOTE	J.A.	01-04-11	REVISED FOR CORRECTIONS	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
			08-25-15	REVISED MATERIAL	R.D.

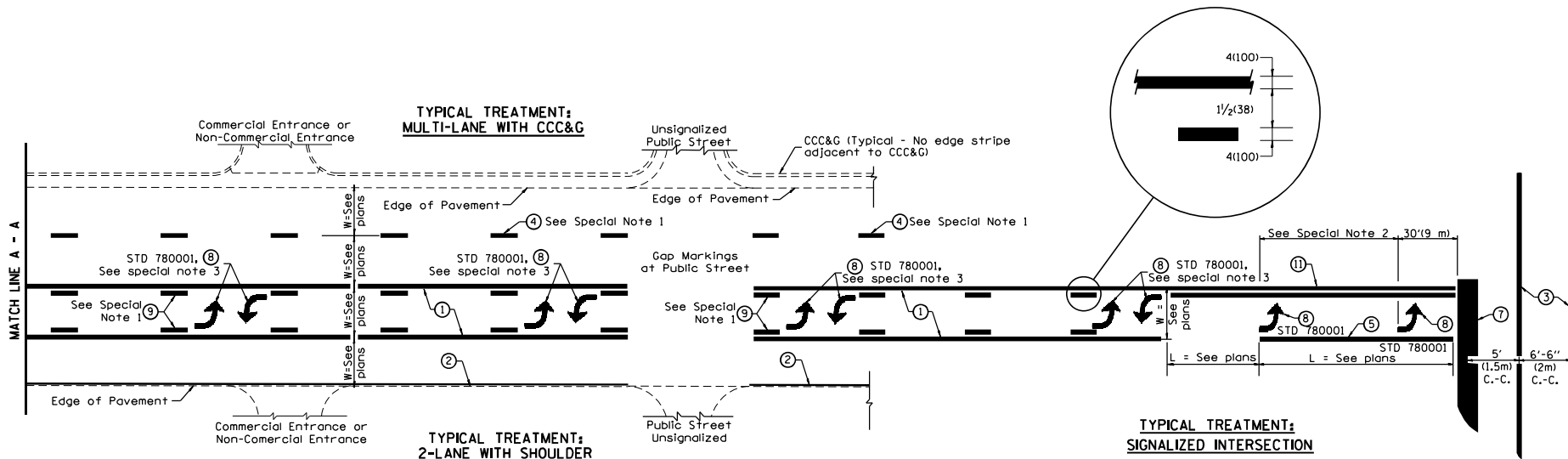
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

NOT TO SCALE

CADD STD. 667101-D4

FIG. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1588	(2-1VB)BR-2	PEORIA	235	156
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68799	



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

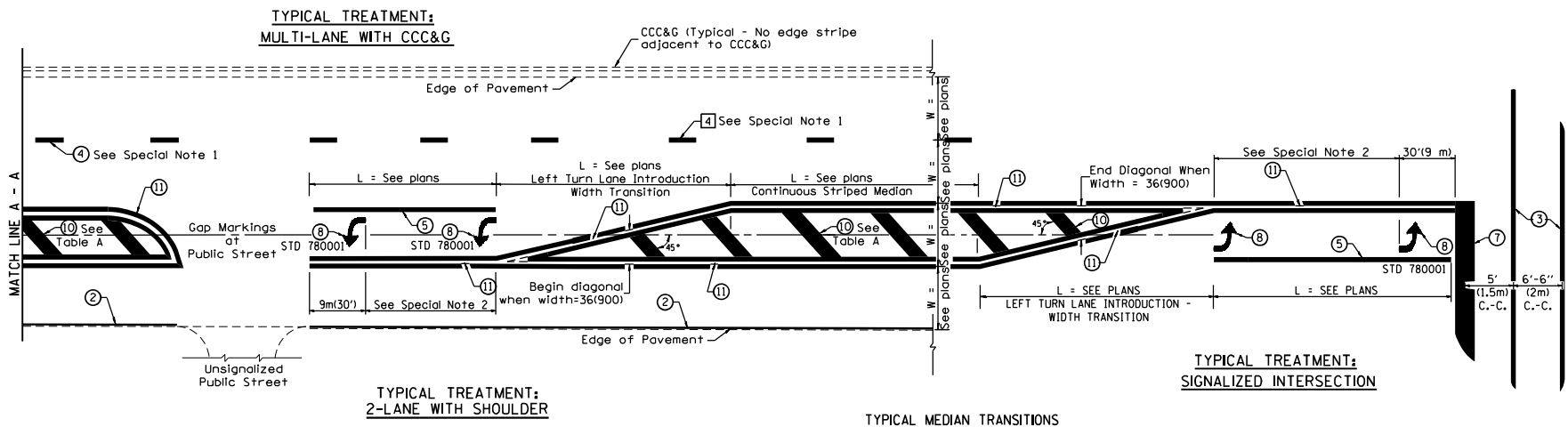
SPECIAL NOTES

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

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. 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)

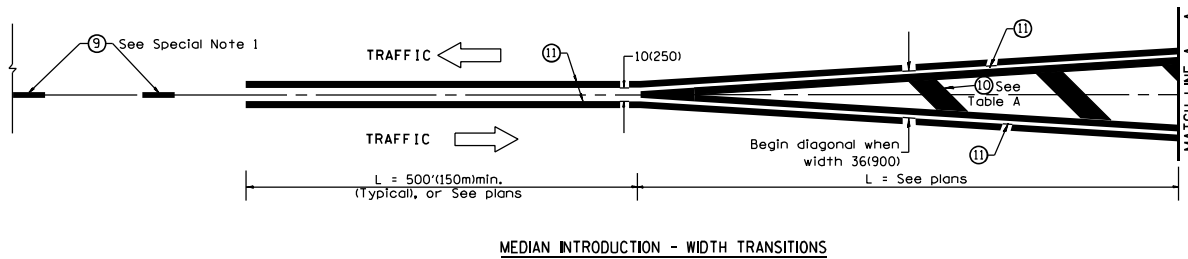
01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	SHT. 1 OF 2 CADD STD. 780001-D4	NOT TO SCALE	ILLINOIS FED. AID PROJECT
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.					
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.								
08-02	ADD CROSSWALK DIMNS. WITH T.S.	M.A.								



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

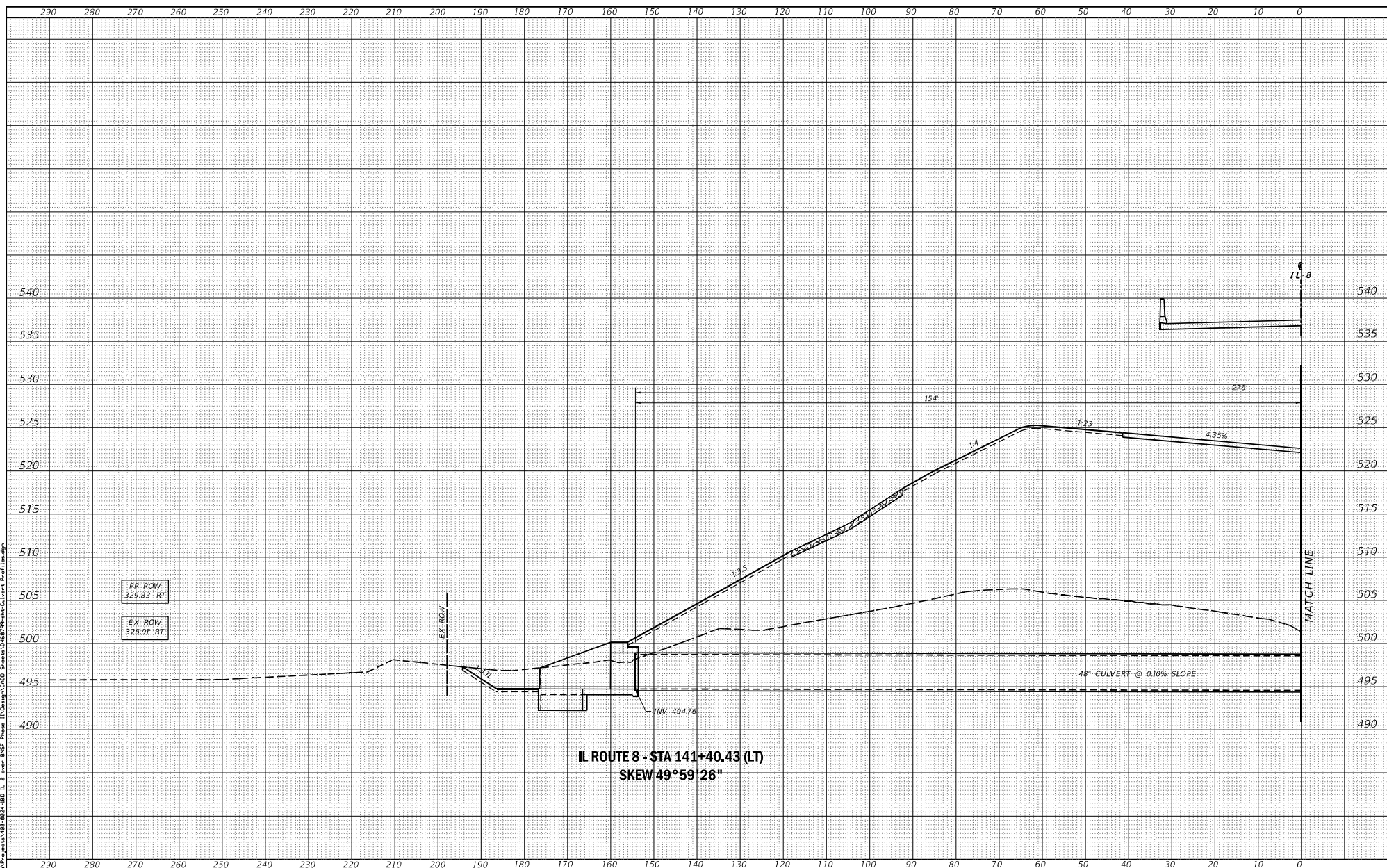
SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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

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IL ROUTE 8 - STA 141+40.43 (LT)
SKEW 49°59'26"



USER NAME	• Boley	DESIGNED	- JLS	REVISED	-
MODEL NAME	• 01 C&M Prof	DRAWN	- LEC	REVISED	-
PLOT SCALE	• 20:0000 / 1"=1'	CHECKED	- ESW	REVISED	-
PLOT DATE	• 8/22/2019	DATE	- 01-17-18	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PROFILE
IL ROUTE 8 - STA 141+40.43

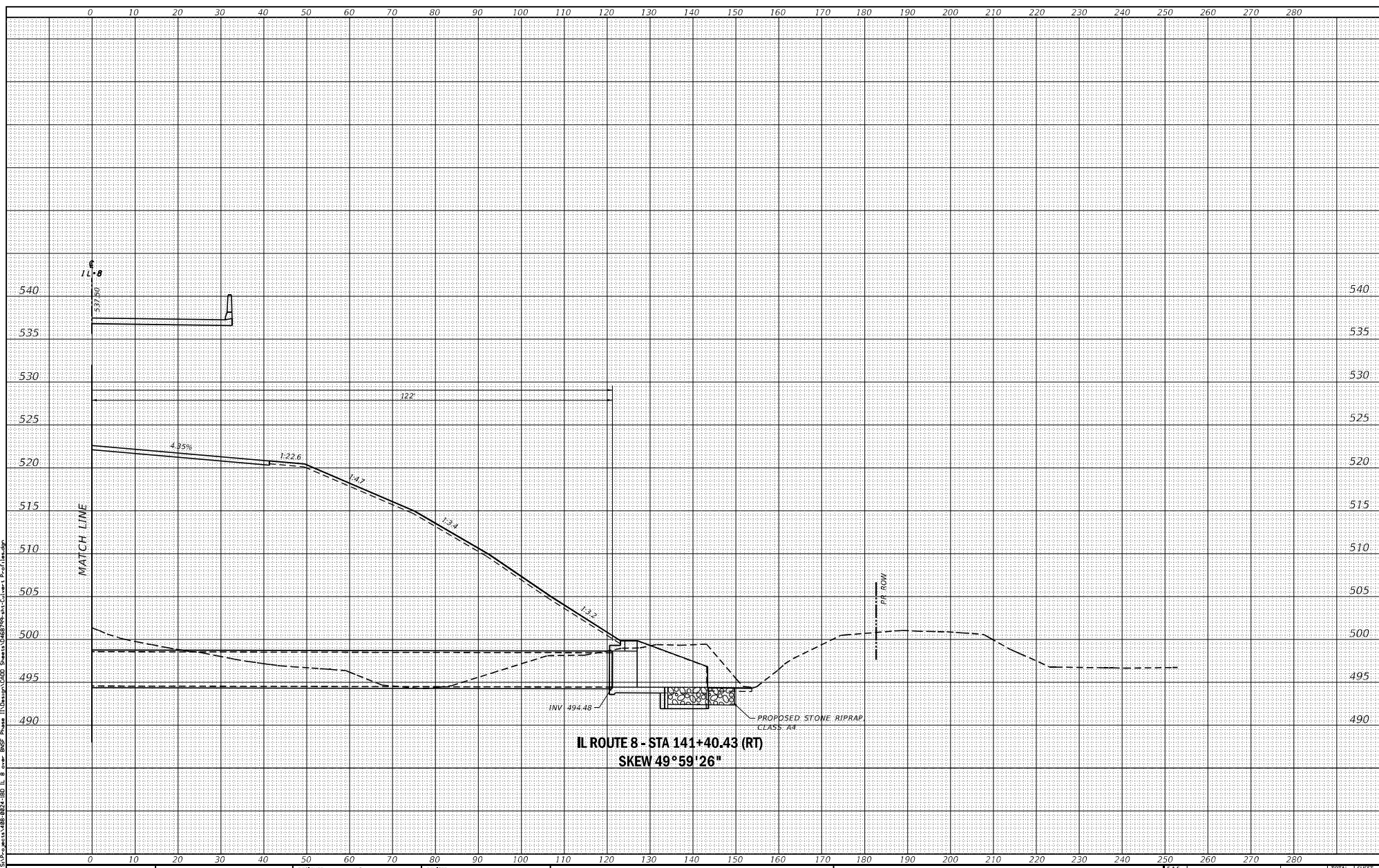
SCALE:	1"=10'	SHEET	1	OF	4	SHEETS	STA.	TO STA.
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F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1V)BR-2	PEORIA	235	159
CONTRACT NO. 68799				

FILE NAME: S:\Projects\ILLINOIS\BR-2-10B-IL-8\over\BR2-10B-IL-8-over\BR2-10B-IL-8-over\Culvert_Profile.dwg

DATE	
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SCALE	
PROJECT	
NO.	

DATE	
BY	
SCALE	
PROJECT	
NO.	



IL ROUTE 8 - STA 141+40.43 (RT)
SKEW 49°59'26"



USER NAME	• Boley	DESIGNED	- JLS	REVISED	-
MODEL NAME	• 02' Culv Prof	DRAWN	- LEC	REVISED	-
PLOT SCALE	• 20:0000' / in.	CHECKED	- ESW	REVISED	-
PLOT DATE	• 8/22/2019	DATE	- 01-17-18	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

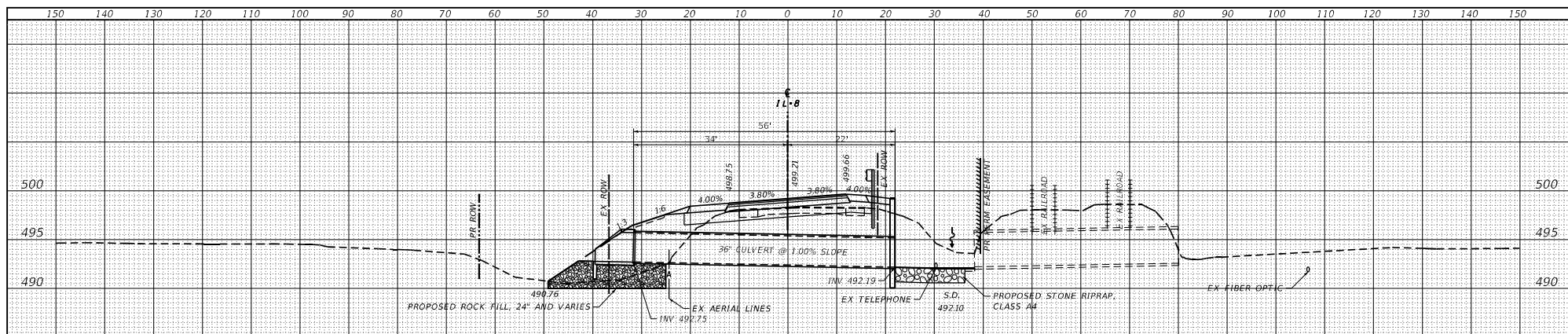
CULVERT PROFILE
IL ROUTE 8 - STA 141+40.43

SCALE: 1"=10' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1V)BR-2	PEORIA	235	160
			CONTRACT NO. 68799	

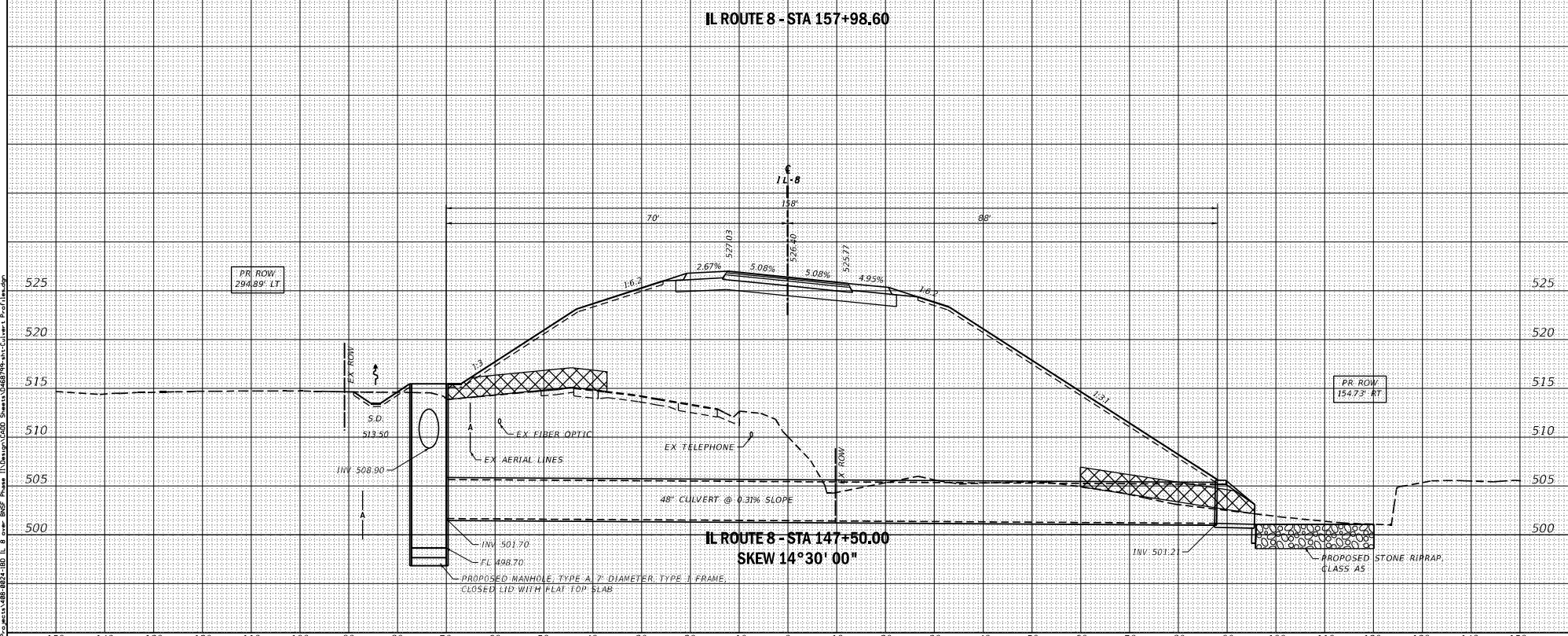
ILLINOIS FED. AID PROJECT

DATE	
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DESIGNED	
DRAWN	
IN CHARGE	
PROJECT NO.	
SHEET NO.	



IL ROUTE 8 - STA 157+98.60

DATE	
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CHECKED	
DESIGNED	
DRAWN	
IN CHARGE	
PROJECT NO.	
SHEET NO.	



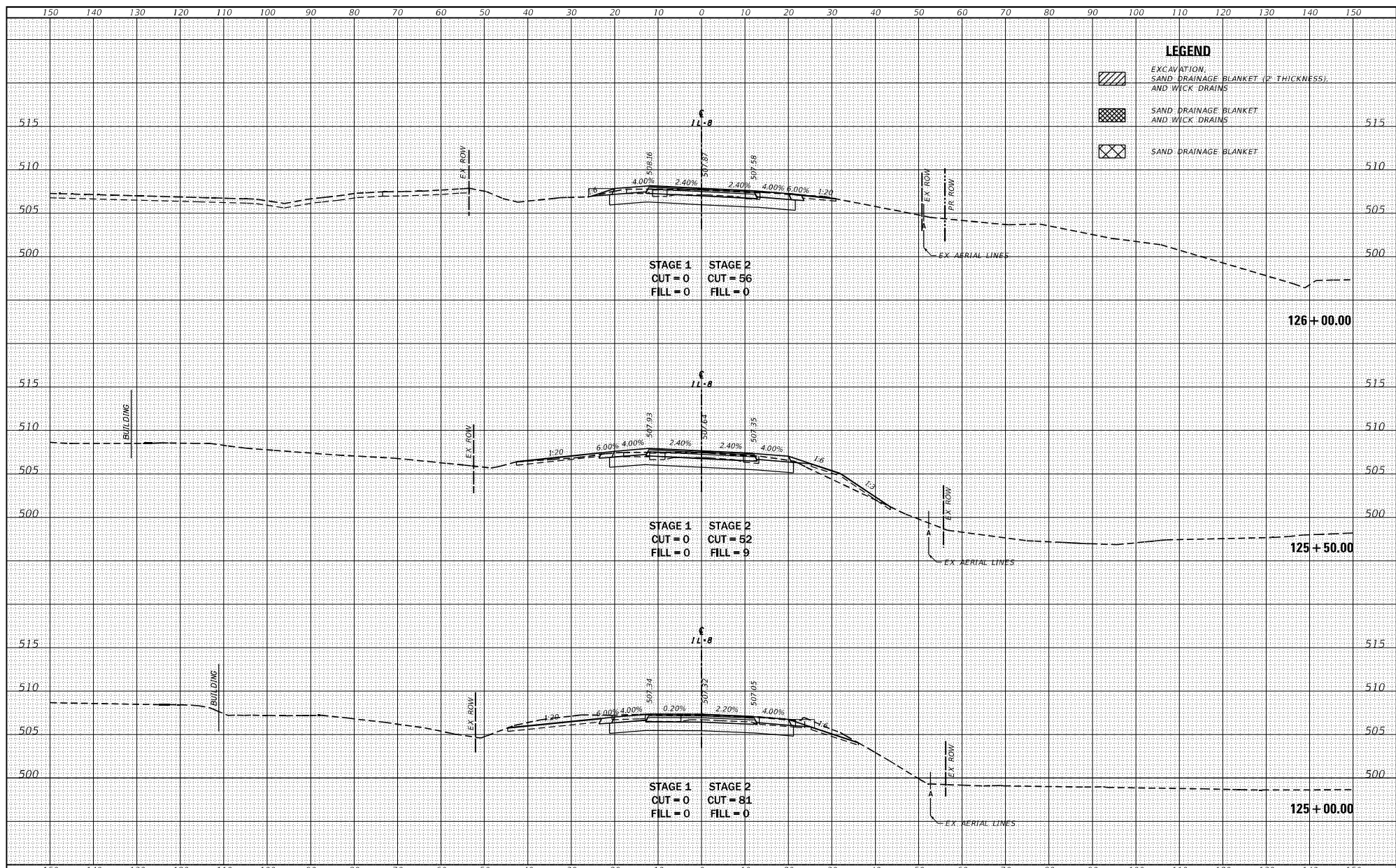
**IL ROUTE 8 - STA 147+50.00
SKEW 14°30'00"**

	USER NAME • Boley MODEL NAME • 03 C&R Prof PLOT SCALE • 20:0000 / 1"=100' PLOT DATE • 8/22/2019	DESIGNED - JLS DRAWN - LEC CHECKED - ESW DATE - 01-17-18	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT PROFILE IL ROUTE 8 - STA 147+50.00 AND STA 157+98.60	P.A.S. SITE: 1388 SECTION: (2-1V)BR-2 COUNTY: PEORIA TOTAL SHEETS: 235 SHEET NO.: 161 CONTRACT NO. 68799
	SCALE: 1"=10' SHEET 3 OF 4 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT	

FILE NAME: S:\Projects\ILLINOIS\RD2-10B-IL-8\over\BNSF Phase 1\Drawings\ROAD Sheets\0408\10B-IL-8-Culvert_Profile.dwg

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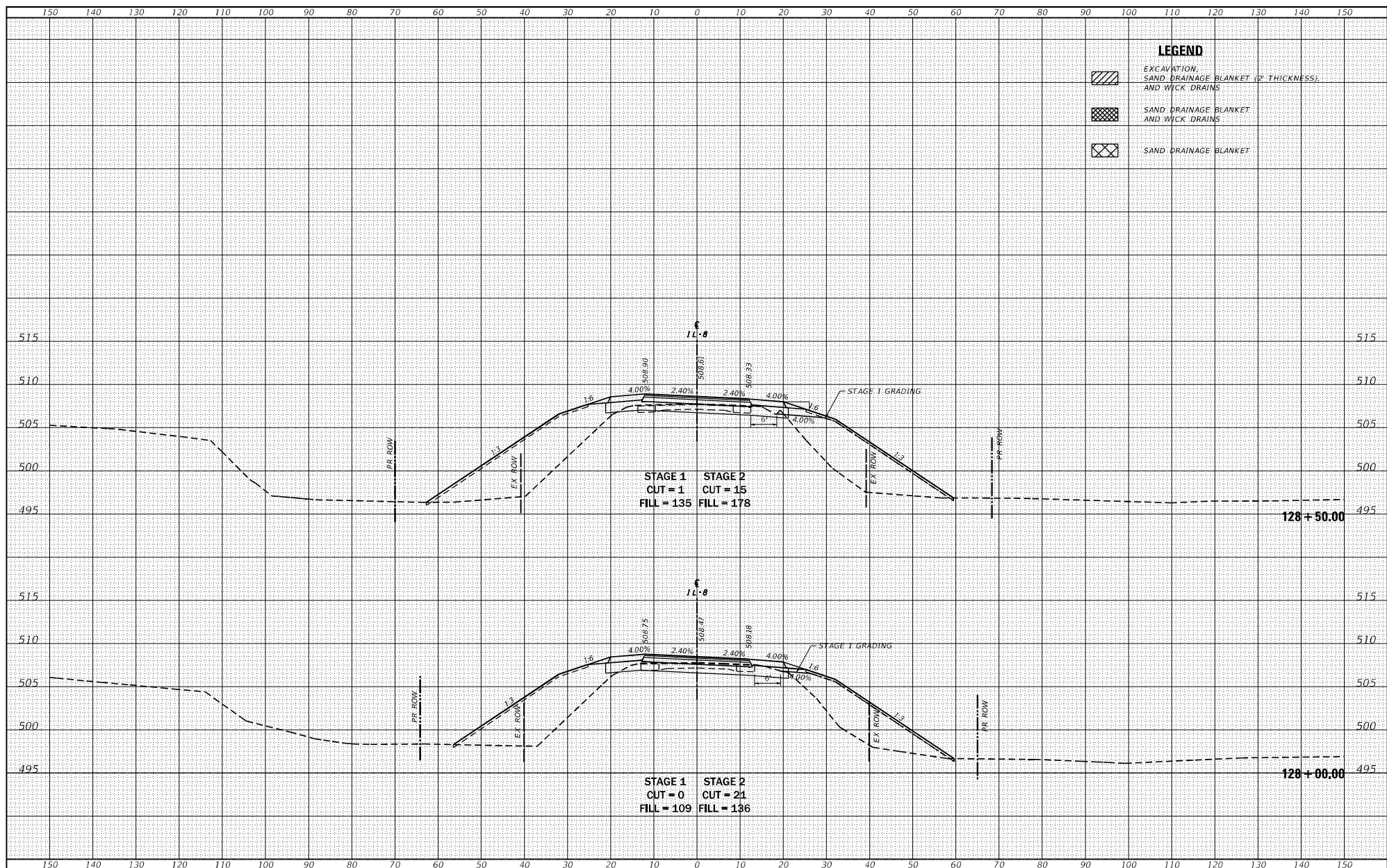
LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

FILE NAME = S:\Projects\409-002-180 IL 8 over BNSF Phase III Design\CADD	USER NAME = Betsy	DESIGNED = JLS	REVISION =	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p> <p>SCALE: 1"=20' SHEET 2 OF 58 SHEETS STA. 125+00.00 TO STA. 126+00.00</p>	F.A.S. NO. = 1388	SECTION = (Z-1V)BIR-2	COUNTY = PEORIA	TOTAL SHEETS = 164
PILOT SCALE = 20.0000' / in.	CHECKED = ESW	REVISION =	CONTRACT NO. 68799					
PILOT DATE = 8/22/2019	DATE = 01-17-18	REVISION =	ILLINOIS FED. AID PROJECT					

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LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

FILE NAME =	USER NAME = Betsy	DESIGNED - JLS	REVISIONS -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

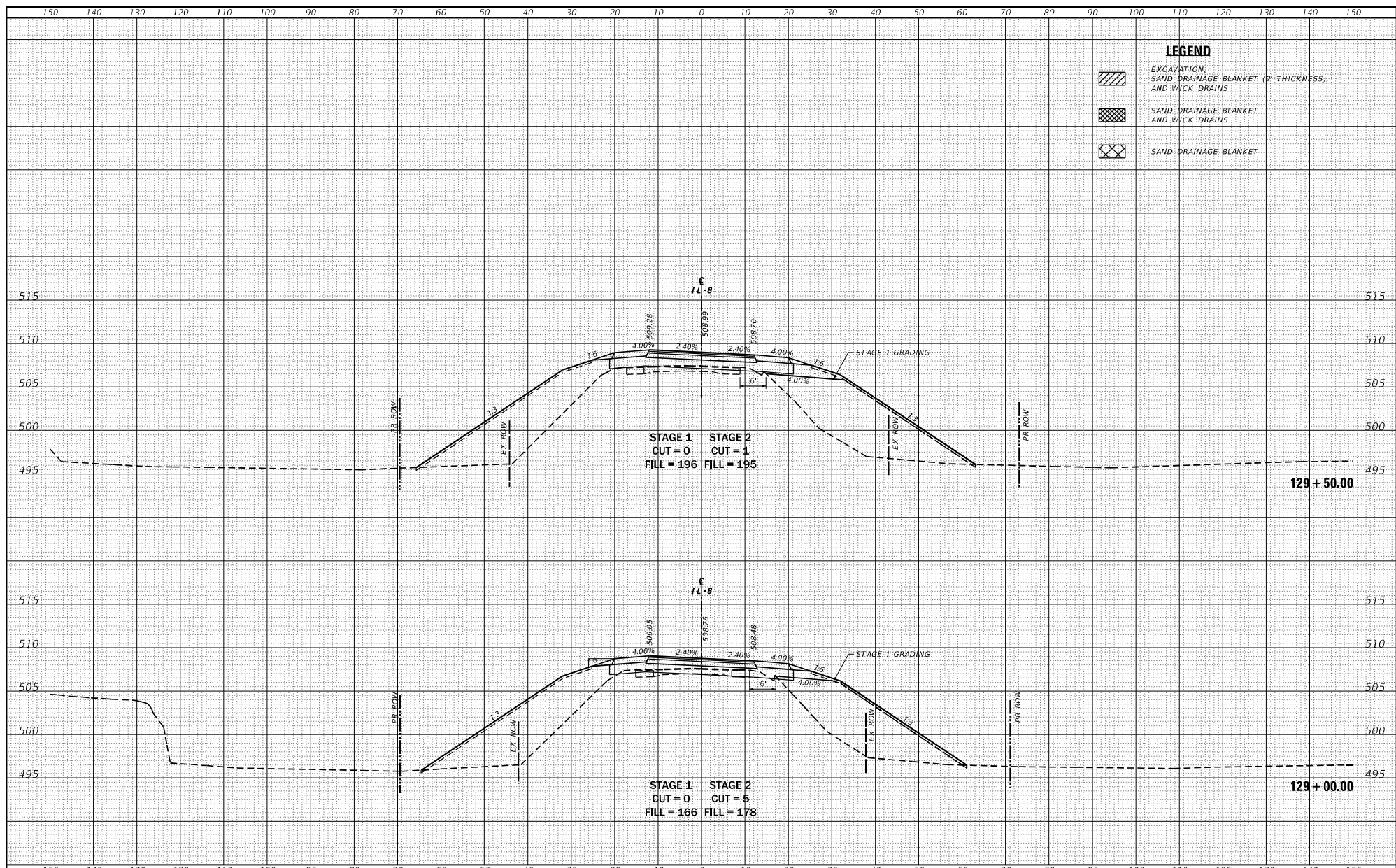
**CROSS SECTIONS
IL ROUTE 8**

SCALE: 1"=20' SHEET 4 OF 58 SHEETS STA. 128+00.00 TO STA. 128+50.00




F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1)BIBR-2	PEORIA	235	166
				CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT				

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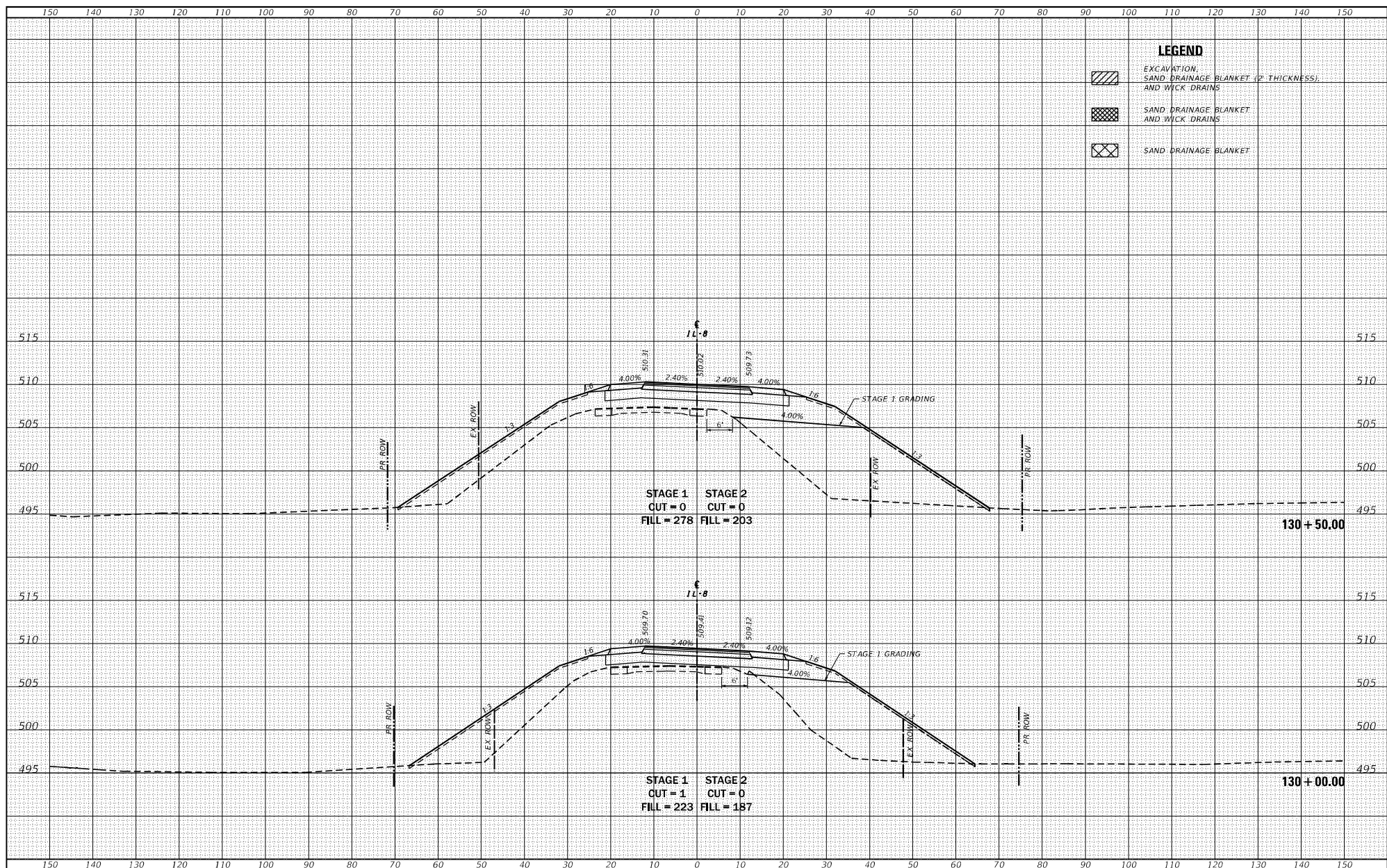
LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET




FILE NAME = S:\Projects\409-002-180 IL 8 over BNSF Phase B\Design\CADD\Sheets\409002-180 IL 8.dgn	USER NAME = Betsy	DESIGNED - JLS	REVISIONS -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p> <p>SCALE: 1"=20' SHEET 5 OF 58 SHEETS STA. 129+00.00 TO STA. 129+50.000</p>	<table border="1"> <tr><th>P.A.S. SITE</th><th>SECTION</th><th>COUNTY</th><th>TOTAL SHEETS</th><th>SHEET NO.</th></tr> <tr><td>1388</td><td>(Z-1)BIBR-2</td><td>PEORIA</td><td>236</td><td>167</td></tr> <tr><td colspan="4"></td><td>CONTRACT NO. 68799</td></tr> <tr><td colspan="5">ILLINOIS FED. AID PROJECT</td></tr> </table>	P.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1388	(Z-1)BIBR-2	PEORIA	236	167					CONTRACT NO. 68799	ILLINOIS FED. AID PROJECT				
P.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS		SHEET NO.																				
1388	(Z-1)BIBR-2	PEORIA	236		167																				
					CONTRACT NO. 68799																				
ILLINOIS FED. AID PROJECT																									
Default:	PLOT SCALE = 20.0000' / in.	CHECKED - ESW	REVISIONS -																						
	PLOT DATE = 8/22/2019	DATE = 01-17-18	REVISIONS -																						

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LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

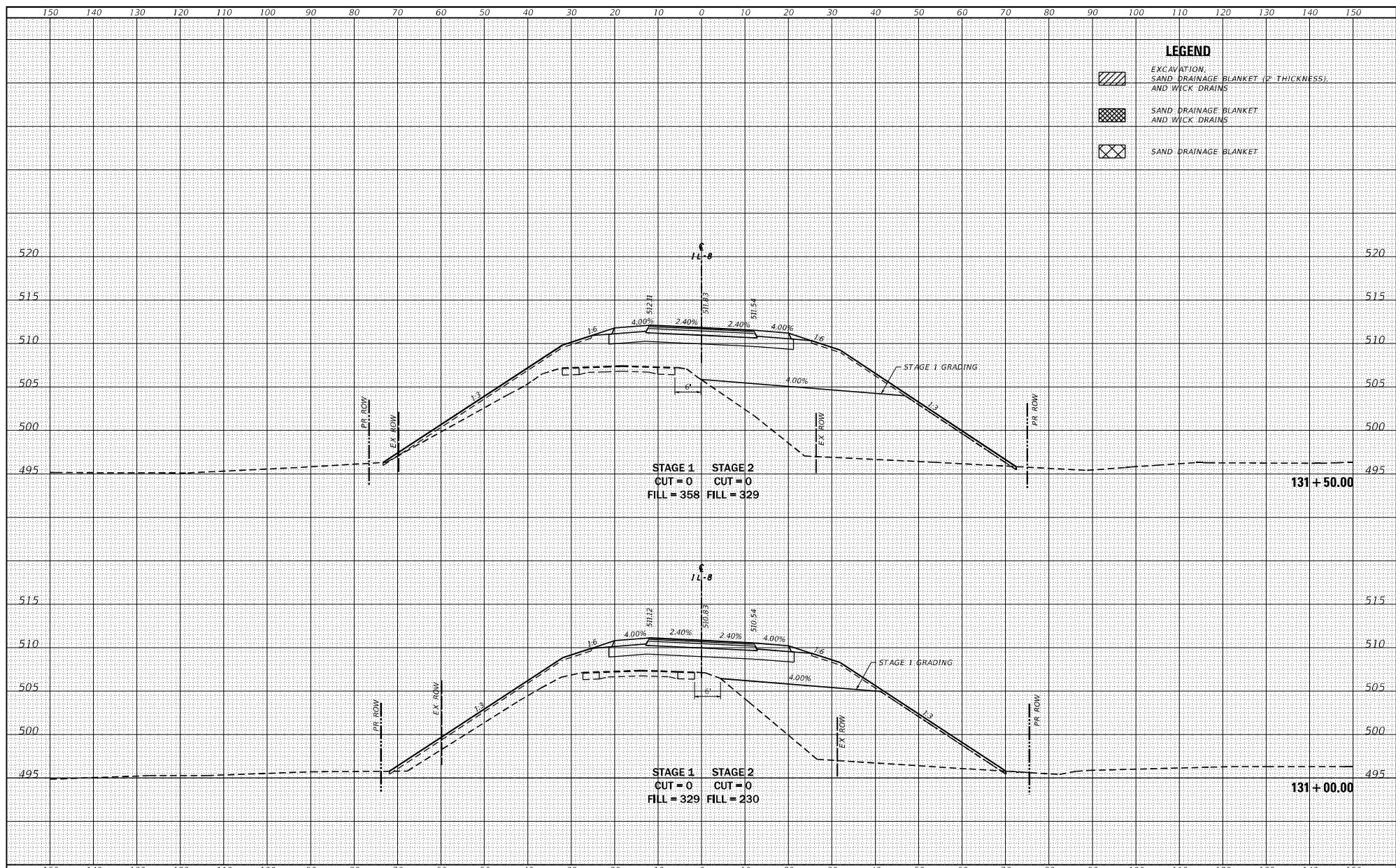
**CROSS SECTIONS
IL ROUTE 8**

SCALE: 1"=20' SHEET 6 OF 58 SHEETS STA. 130+00.00 TO STA. 130+50.00

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1)BIBR-2	PEORIA	235	168
CONTRACT NO. 68799			ILLINOIS FED. AID PROJECT	

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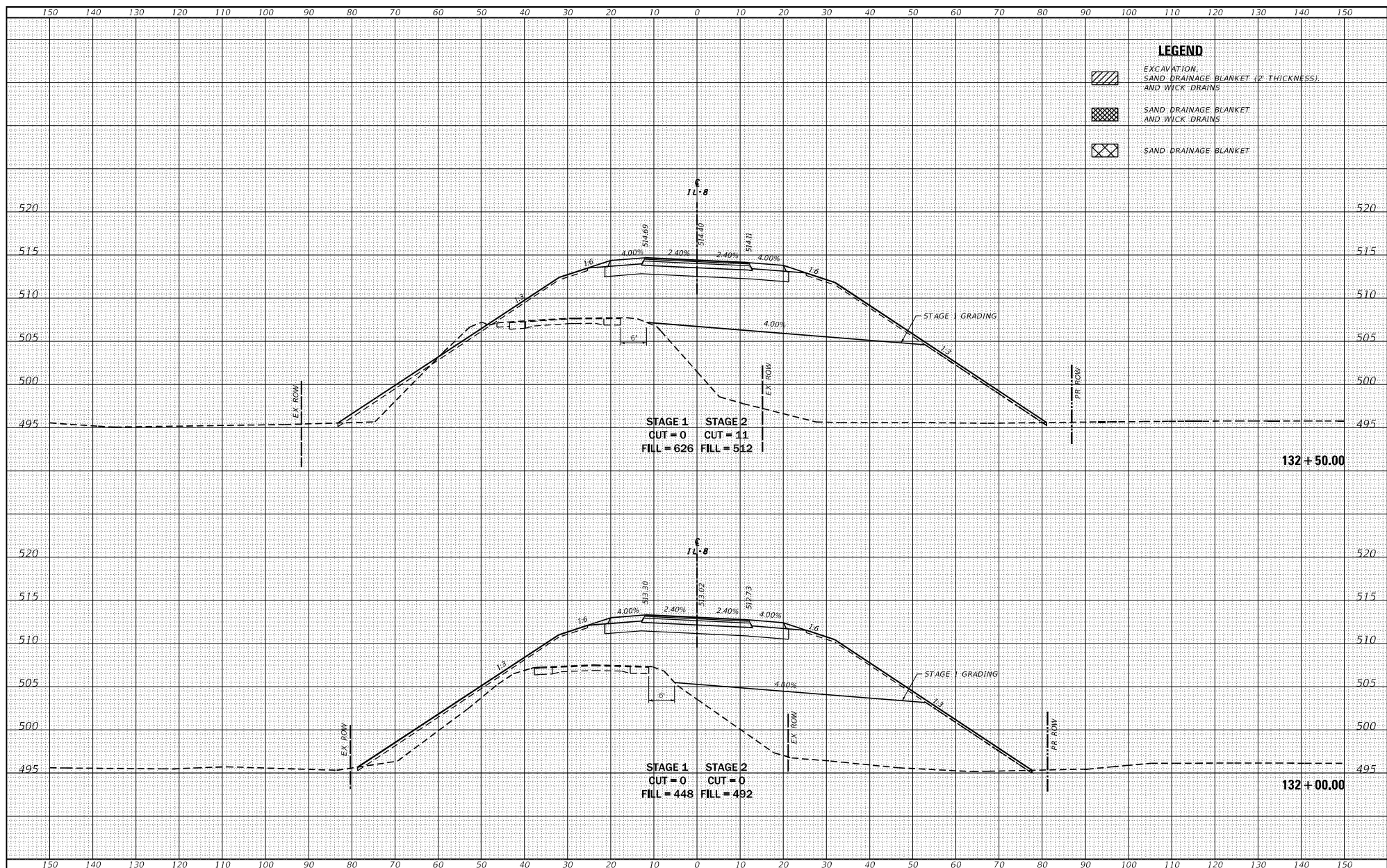
LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

FILE NAME = S:\Projects\409-002-180 IL 8 over BNSF Phase B\Design\CADD\Sheets\131+00-131+50\131+00.dgn	USER NAME = Betsy	DESIGNED - JLS	REVISION -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p>	F.A.S. SITE = 1388	SECTION = (Z-1)BIBR-2	COUNTY = PEORIA	TOTAL SHEETS = 236	SHEET NO. = 169	
PILOT SCALE = 20.0000' / in.	PILOT DATE = 8/22/2019	DRAWN - LEC	REVISION -		SCALE = 1"=20'	SHEET = 7	OF 58 SHEETS	STA. = 131+00.00	TO STA. = 131+50.00	CONTRACT NO. = 68799
CHECKED - ESW	DATE = 01-17-18	REVISION -	REVISION -		ILLINOIS FEDERAL PROJECT					

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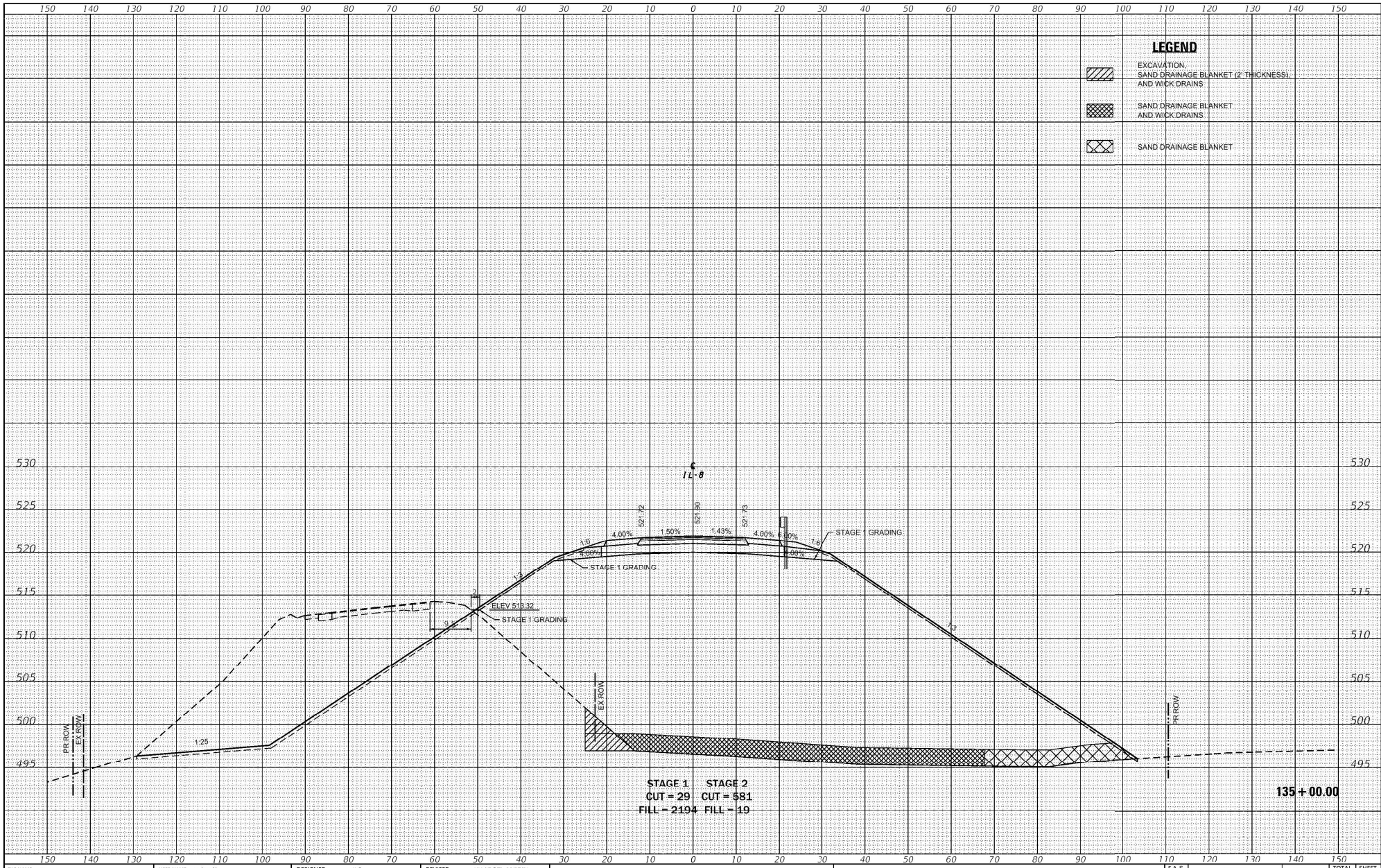
LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

FILE NAME = S:\Projects\409-002-180 IL R over BNSF Phase III Design\CADD\Sheets\468798\01\c18.8.dgn	USER NAME = Betsy	DESIGNED = JLS	REVISION =	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p> <p>SCALE: 1"=20' SHEET 8 OF 58 SHEETS STA. 132+00.00 TO STA. 132+50.00</p>	F.A.S. NO. = 1388	SECTION = (Z-1)BIBR-2	COUNTY = PEORIA	TOTAL SHEETS = 236	SHEET NO. = 170
PILOT SCALE = 20.0000' / in.	CHECKED = ESW	REVISION =	CONTRACT NO. = 68799						
PILOT DATE = 8/22/2019	DATE = 01-17-18	REVISION =	ILLINOIS FED. AID PROJECT						

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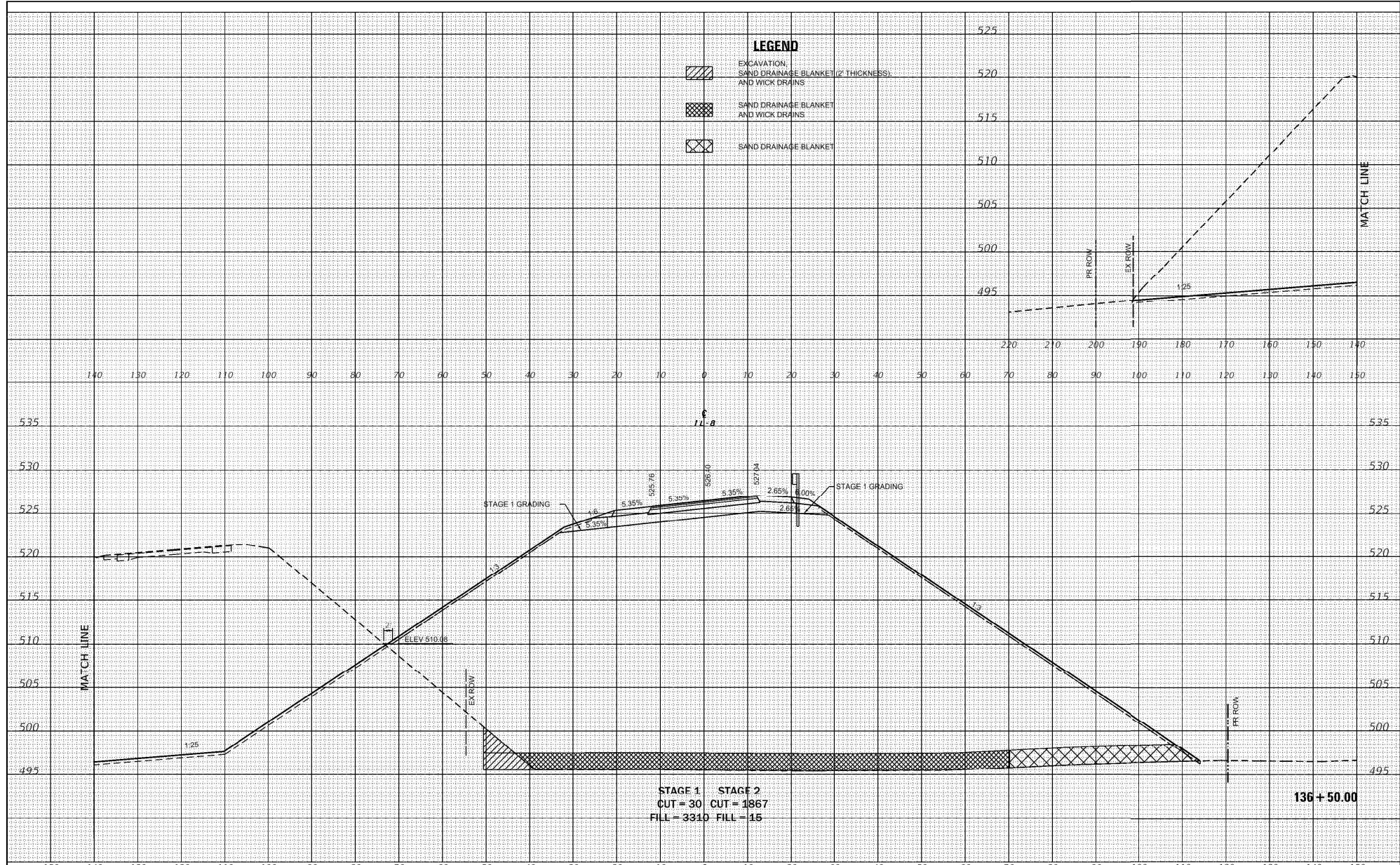


FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0:\PDRGEN\WINWORD\KSTDB\PLN\5Squad03\RIE 8 over BNSF at EdwardsPlan revisions IDOT post Loch Final Submittal\RE	DRAWN 468795-shr-ss	LEG			1388	I2-1VBIBR-2	PEORIA	235	173	CONTRACT NO. 68799		
Default	FLOT SCALE = 20.0000 / in.	CHECKED - ESW	REVISED -		SCALE: 1"=20'	SHEET 11 OF 58 SHEETS	STA. 135+00.00	TO STA. 135+00.00				
	FLOT DATE = 6/7/2021	DATE - 01-17-18	REVISED -		ILLINOIS FED. AID PROJECT							

135 + 00.00

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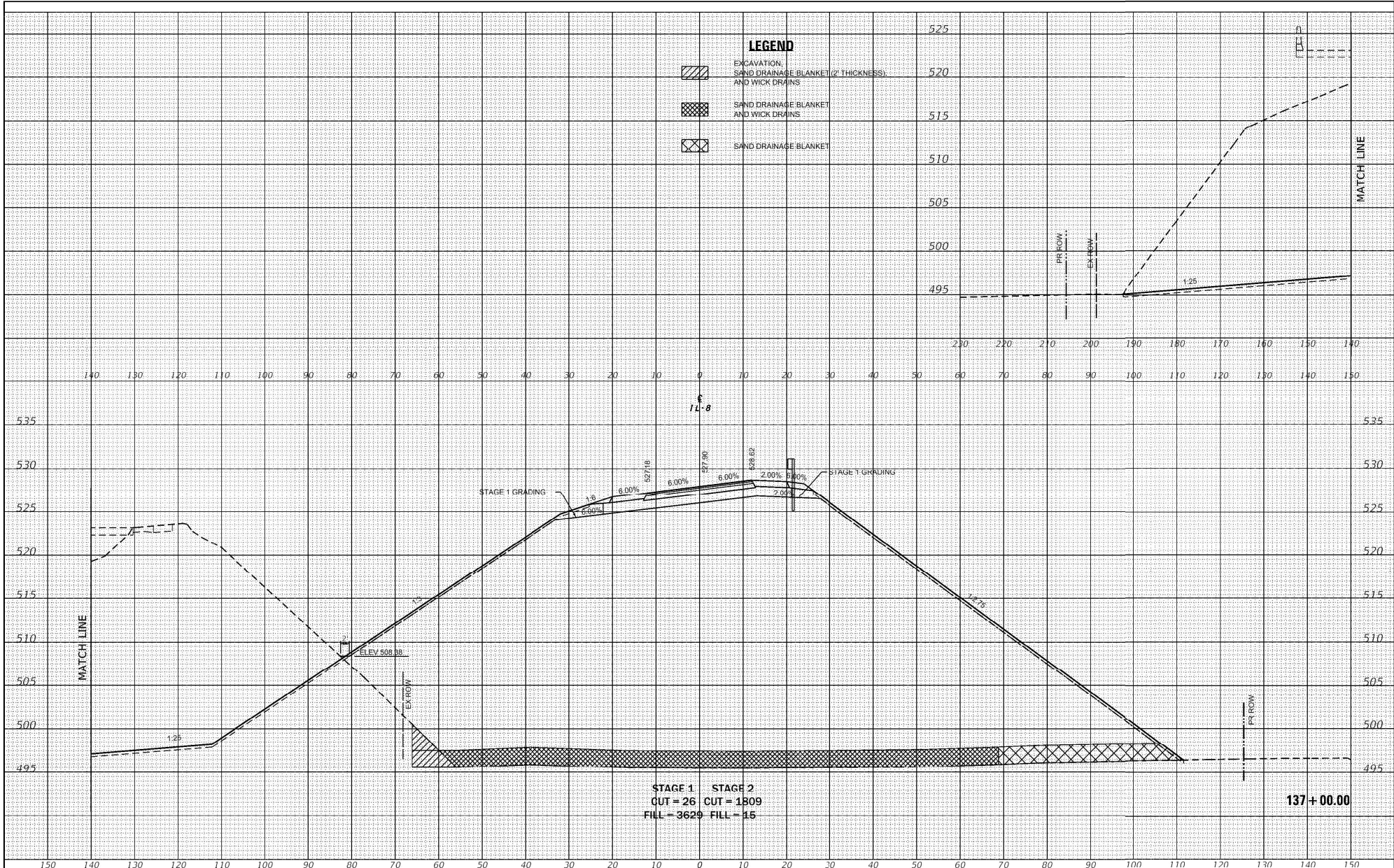
STAGE 1 CUT = 30 STAGE 2 CUT = 1867
 FILL = 3310 FILL = 16

136 + 50.00

FILE NAME	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. RTE. 1388	SECTION [Z-1VB]BR-2	COUNTY PEGRIA	TOTAL SHEETS 235	SHEET NO. 176	
PROJECT	0:\PDRGEN\WINWORD\KST08\PLN\5\Squad03\RII.8 over BNSF at EdwardsPlan revisions IDOT post Loch Final Submittal\RE Eng	DRAWN 468799-shr-ss-LEG	REVISED -		SCALE: 1"=20'	SHEET 14	OF 58 SHEETS	STA. 136+50.00	TO STA. 136+50.00	CONTRACT NO. 68799		
PLOT SCALE	= 20.0000 / in.	CHECKED - ESW	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE	= 6/7/2021	DATE - 01-17-18	REVISED -									

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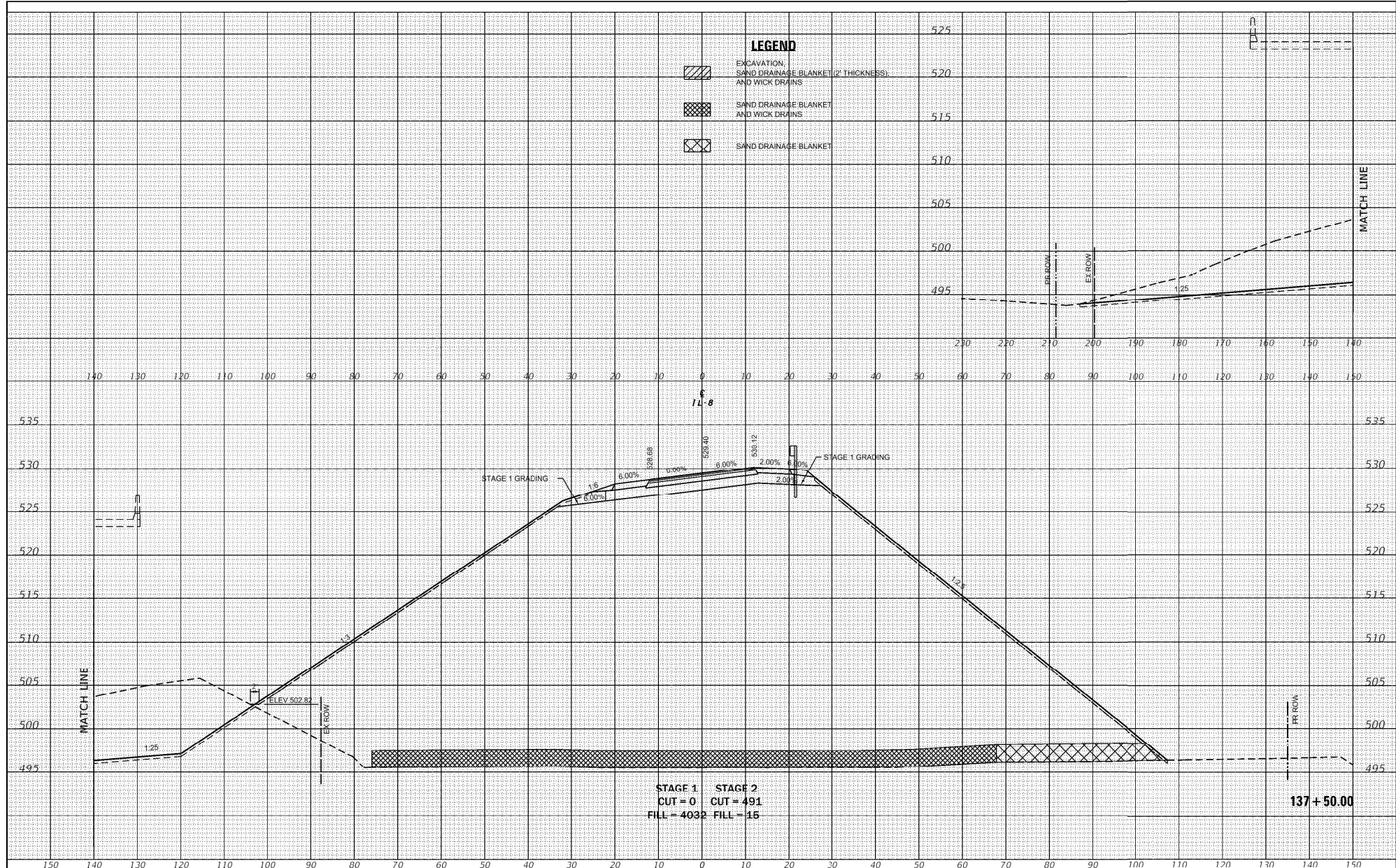
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FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0:\PDRGEN\WINWORD\KST08\PLN\5\Squad03\RII.8 over BNSF at EdwardsPlan revisions IDOT post Loch Final Submittal\RE	DRAWN=468799-shr-xt-LEG	CHECKED - ESW	REVISED -				1388	12-1VBIBR-2	PEORIA	235	177
Default	PLOT SCALE = 20.0000 / in.	DATE - 01-17-18	REVISED -		SCALE: 1"=20'		SHEET 15 OF 58 SHEETS	STA. 137+00.00 TO STA. 137+00.00	CONTRACT NO. 68799		
	PLOT DATE = 6/7/2021				ILLINOIS FED. AID PROJECT						

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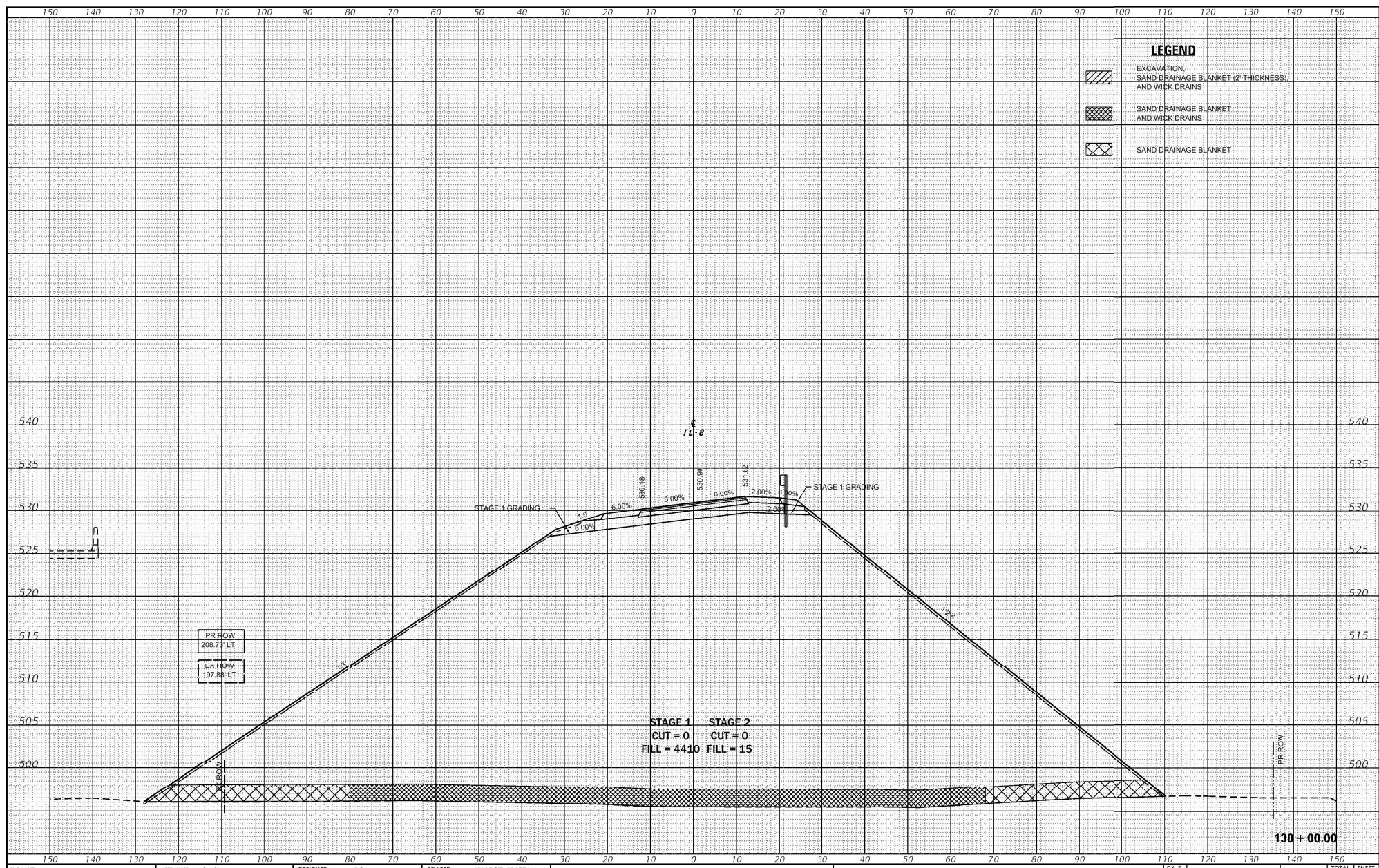
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FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. RTE. 1388	SECTION 12-1VBIBR-2	COUNTY PEORIA	TOTAL SHEETS 235	SHEET NO. 178	
0:\PDRGEN\WINWORD\KST08\PLN5\Squad03\8IL 8 over BNSF at EdwardsPlan revisions IDOT post Loch Final Submittal\RE Eng	DRAWN 468799-shr-ss-LEG	CHECKED - ESW	REVISED -		SCALE: 1"=20'	SHEET 16	OF 58 SHEETS	STA. 137+50.00	TO STA. 137+50.00	CONTRACT NO. 68799		
Default	PLOT SCALE = 20.0000 / in.	DATE - 01-17-18	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 6/7/2021											

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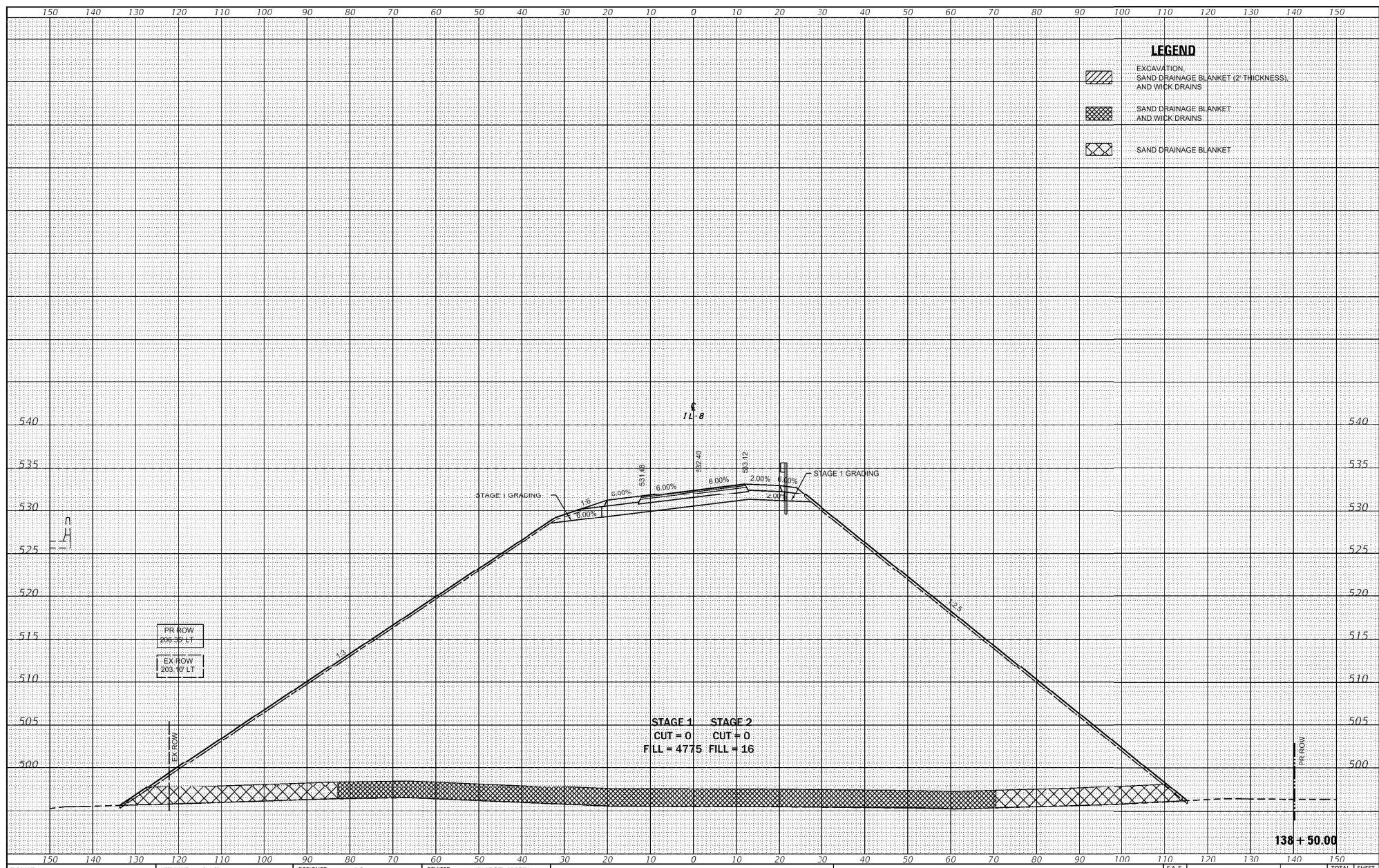
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FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0:\PDRGEN\WINWORD\KSTDB\PLN\54Squad03\RL 8 over BNSF at Edwards\Plan revisions\DOT post Lock Final Submittal\RE	DRAWN=468799-shr-rt-LEG	REVISED -	REVISED -		1388	IZ-1VBIBR-2	PEORIA	235	179	CONTRACT NO. 68799		
Default	PLOT SCALE = 20.0000' / in.	CHECKED - ESW	REVISED -		SCALE: 1"=20'	SHEET 17 OF 58 SHEETS	STA. 138+00.00 TO STA. 138+00.00	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 6/7/2021	DATE - 01-17-18	REVISED -									

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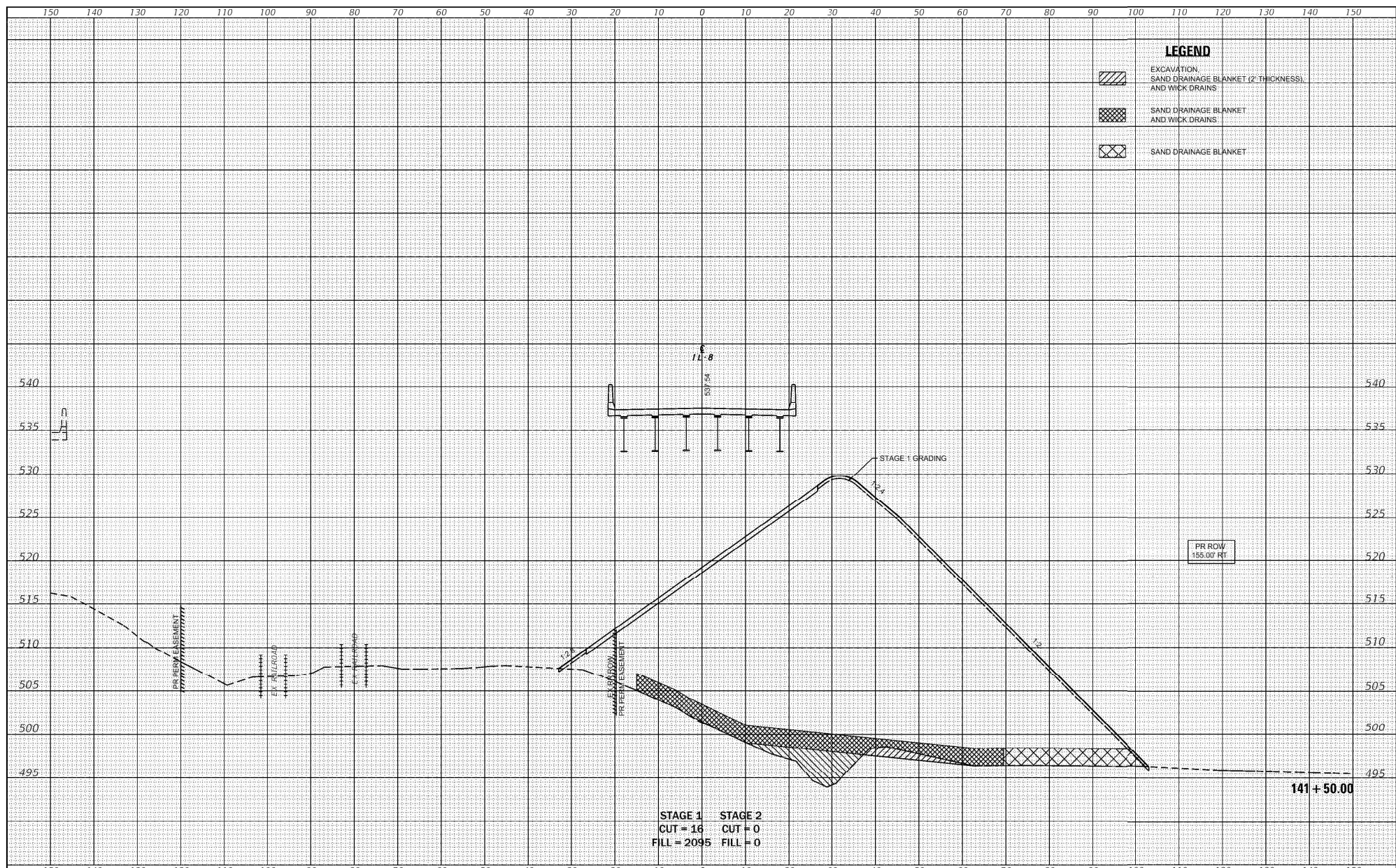
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FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8	F.A.S. RTE. 138B	SECTION 12-1VBIBR-2	COUNTY PEGORIA	TOTAL SHEETS 235	SHEET NO. 180		
0:\PDRGEN\WINWORD\KSTDB\PLN\5Squad03\RII.8 over BNSF at EdwardsPlan revisions IDOT post Loch Final Submittal\RE	DRAWN 468799-shr-xt-LEG	CHECKED - ESW	REVISED -			SCALE: 1"=20'	SHEET 18 OF 58 SHEETS	STA. 138+50.00	TO STA. 138+50.00	CONTRACT NO. 68799		
PLOT SCALE = 20.0000' / in.	DATE - 01-17-18	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						
PLOT DATE = 6/7/2021												

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STAGE 1 STAGE 2
 CUT = 16 CUT = 0
 FILL = 2095 FILL = 0

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

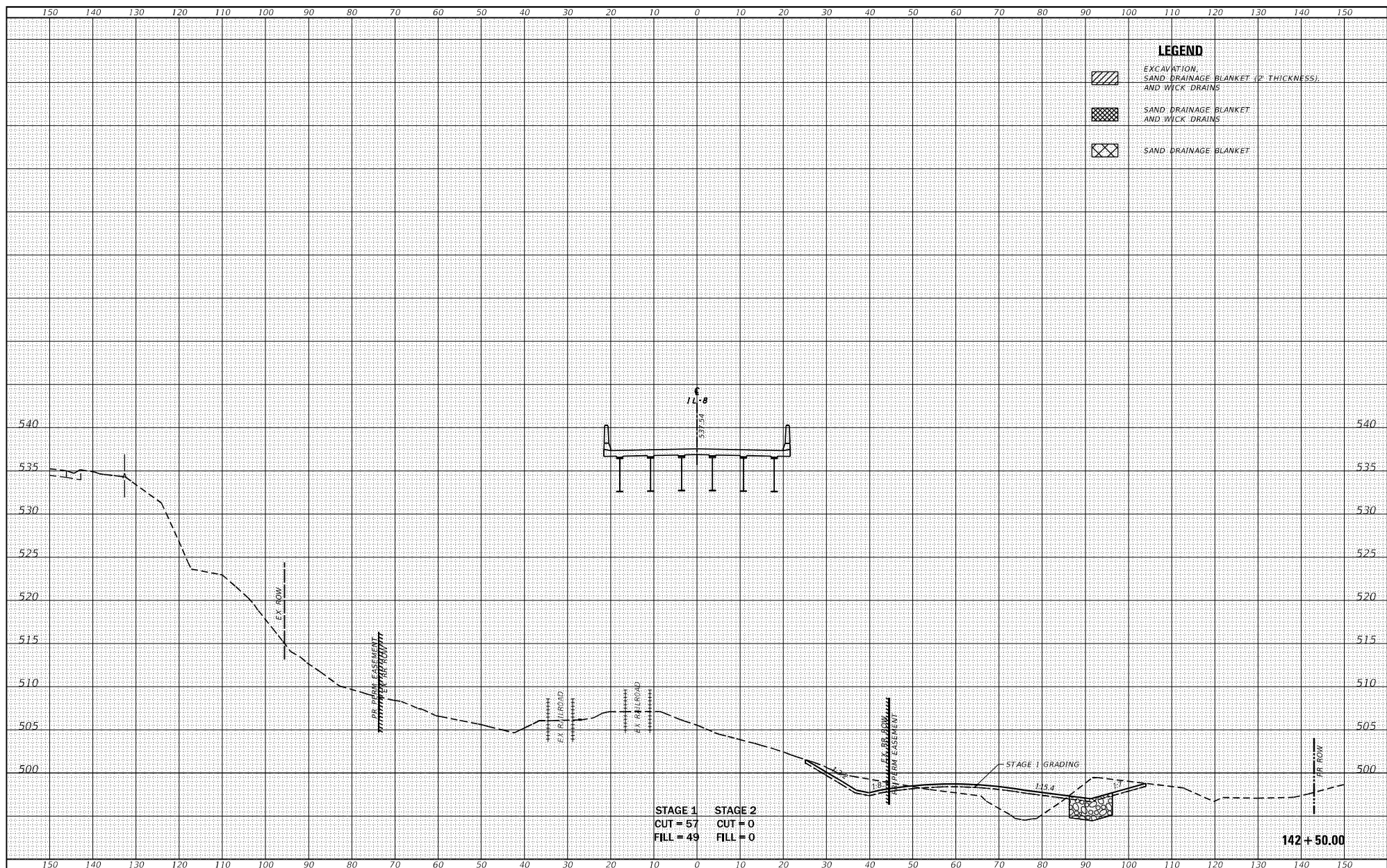
CROSS SECTIONS
 IL ROUTE 8

FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (IDOT) 06/18/21
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Default	PLOT SCALE = 20.0000 / in.	DATE - 01-17-18	REVISED -
	PLOT DATE = 6/16/2021		

F.A.S. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
138B	IZ-1VBIBR-2	PEGRIA	235	189
CONTRACT NO. 68799				
SCALE: 1"=20'	SHEET 27 OF 58 SHEETS	STA. 141+50.00 TO STA. 141+50.00	ILLINOIS FED. AID PROJECT	

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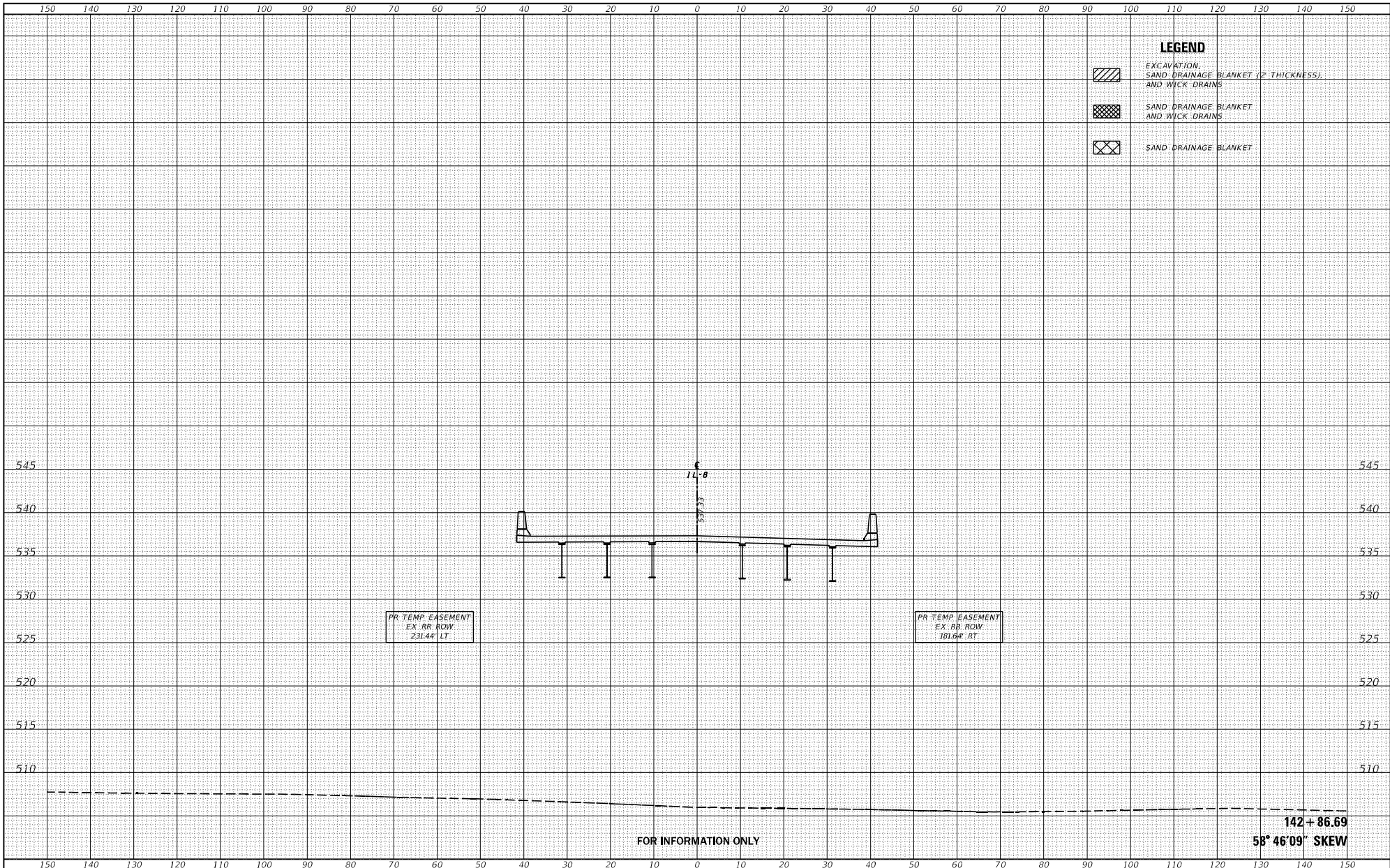
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STAGE 1 STAGE 2
 CUT = 57 CUT = 0
 FILL = 49 FILL = 0

142 + 50.00

FILE NAME = S:\Projects\409-002-180 IL 8 over BNSF Phase B\Design\CADD		USER NAME = Betsy SHEETS\468798\01\c18.8.dgn		DESIGNED - JLS DRAWN - LEC		REVISIONS 1 - 2 - 3 -		SCALE: 1"=20' SHEET 29 OF 58 SHEETS STA. 142+50.00 TO STA. 142+50.00		CROSS SECTIONS IL ROUTE 8		P.A.S. SITE: 1388 SECTION: (Z-1)BIBR-2 COUNTY: PEORIA TOTAL SHEETS: 236 SHEET NO.: 191	
PLOT SCALE = 20.0000' / in. PLOT DATE = 8/22/2019		CHECKED - ESW DATE - 01-17-18		REVISIONS 1 - 2 - 3 -		CONTRACT NO. 68799		ILLINOIS FED. AID PROJECT					



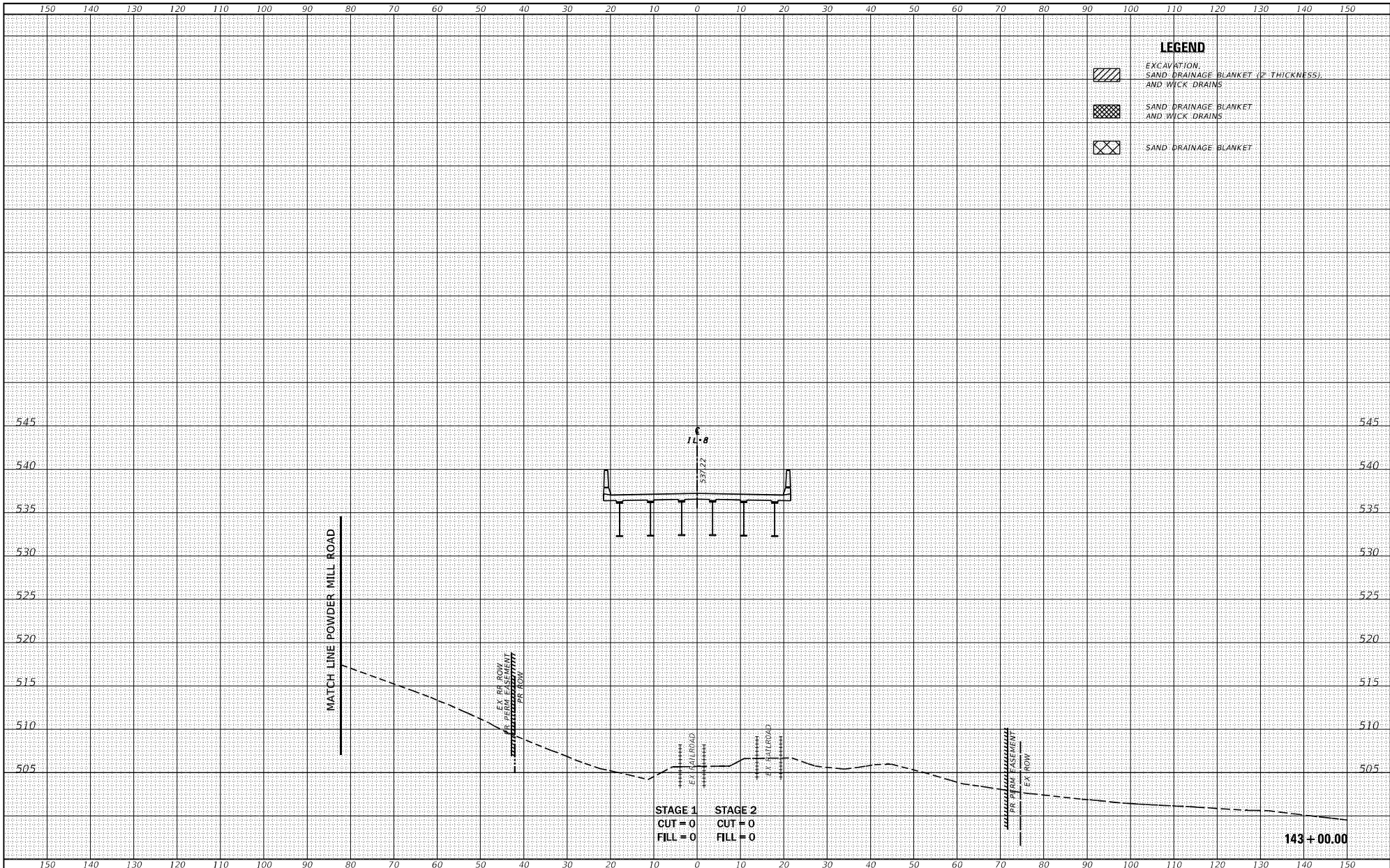
LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET

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FILE NAME = S:\Projects\4406-002-4180 IL 8 over BNSF Phase III\Design\CADD\Sheets\4467789\01\c4180 IL 8.dgn	USER NAME = Betsy	DESIGNED - JLS	REVISIONS -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p>	F.A.S. SITE = 1388	SECTION = (Z-1)BIBR-2	COUNTY = PEORIA	TOTAL SHEETS = 236	SHEET NO. = 192	
PILOT SCALE = 20.0000' / in.	CHECKED - ESW	REVISIONS -	SCALE = 1"=20'		SHEET = 30	OF 58 SHEETS	STA. = 142+86.6887	TO STA. = 142+86.6887	CONTRACT NO. 68799	
PILOT DATE = 8/22/2019	DATE = 01-17-18	REVISIONS -	ILLINOIS FED. AID PROJECT							
<p align="right">142+86.69 58° 46' 09" SKEW</p>										



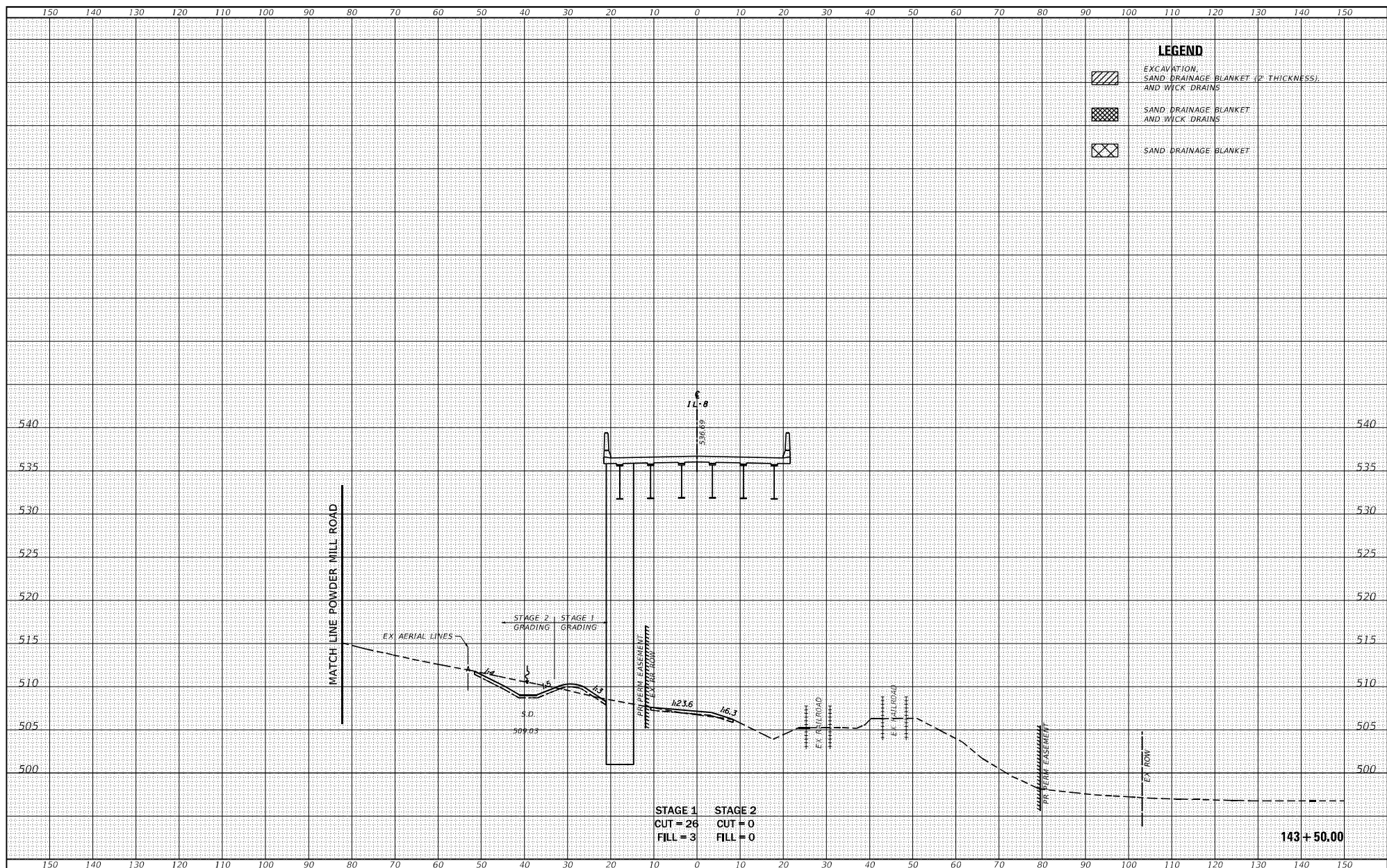
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FILE NAME = S:\Projects\409-002-180 IL R over BNSF Phase III\Design\CADD	USER NAME = Betsy	DESIGNED = JLS	REVISION =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. SITE = 1388	SECTION = (Z-1V)BIR-2	COUNTY = PEORIA	TOTAL SHEETS = 236	SHEET NO. = 193
PILOT SCALE = 20.0000' / in.	CHECKED = ESW	REVISION =	CONTRACT NO. 68799								
PILOT DATE = 8/22/2019	DATE = 01-17-18	REVISION =	ILLINOIS FED. AID PROJECT								
Default:			SCALE: 1"=20'				SHEET 31 OF 58 SHEETS	STA. 143+00.00 TO STA. 143+00.00			

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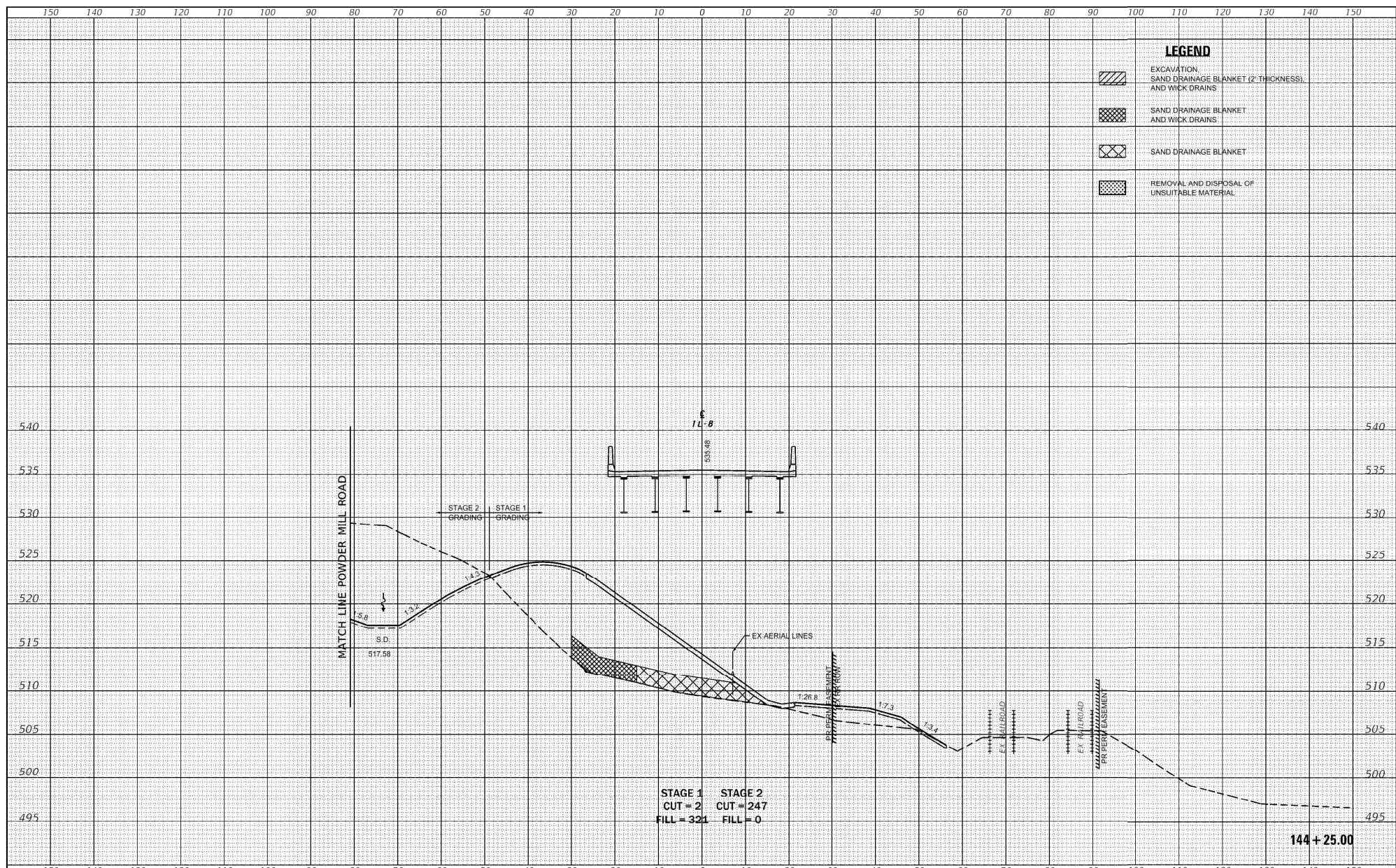
LEGEND

	EXCAVATION, SAND DRAINAGE AND WICK DRAINS
	SAND DRAINAGE BLANKET (2" THICKNESS) AND WICK DRAINS
	SAND DRAINAGE BLANKET

FILE NAME = S:\Projects\409-002-180 IL 8 over BNSF Phase III Design\CADD\Sheets\409798\01\c118.dgn	USER NAME = Betsy	DESIGNED = JLS	REVISION =	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS IL ROUTE 8</p> <p>SCALE: 1"=20' SHEET 32 OF 58 SHEETS STA. 143+50.00 TO STA. 143+50.00</p>	F.A.S. NO. = 1388	SECTION = (Z-1)BIBR-2	COUNTY = PEORIA	TOTAL SHEETS = 236	SHEET NO. = 194
PILOT SCALE = 20,000' / in.	CHECKED = ESW	REVISION =	CONTRACT NO. 68799						
PILOT DATE = 8/22/2019	DATE = 01-17-18	REVISION =	ILLINOIS FED. AID PROJECT						
Default:									

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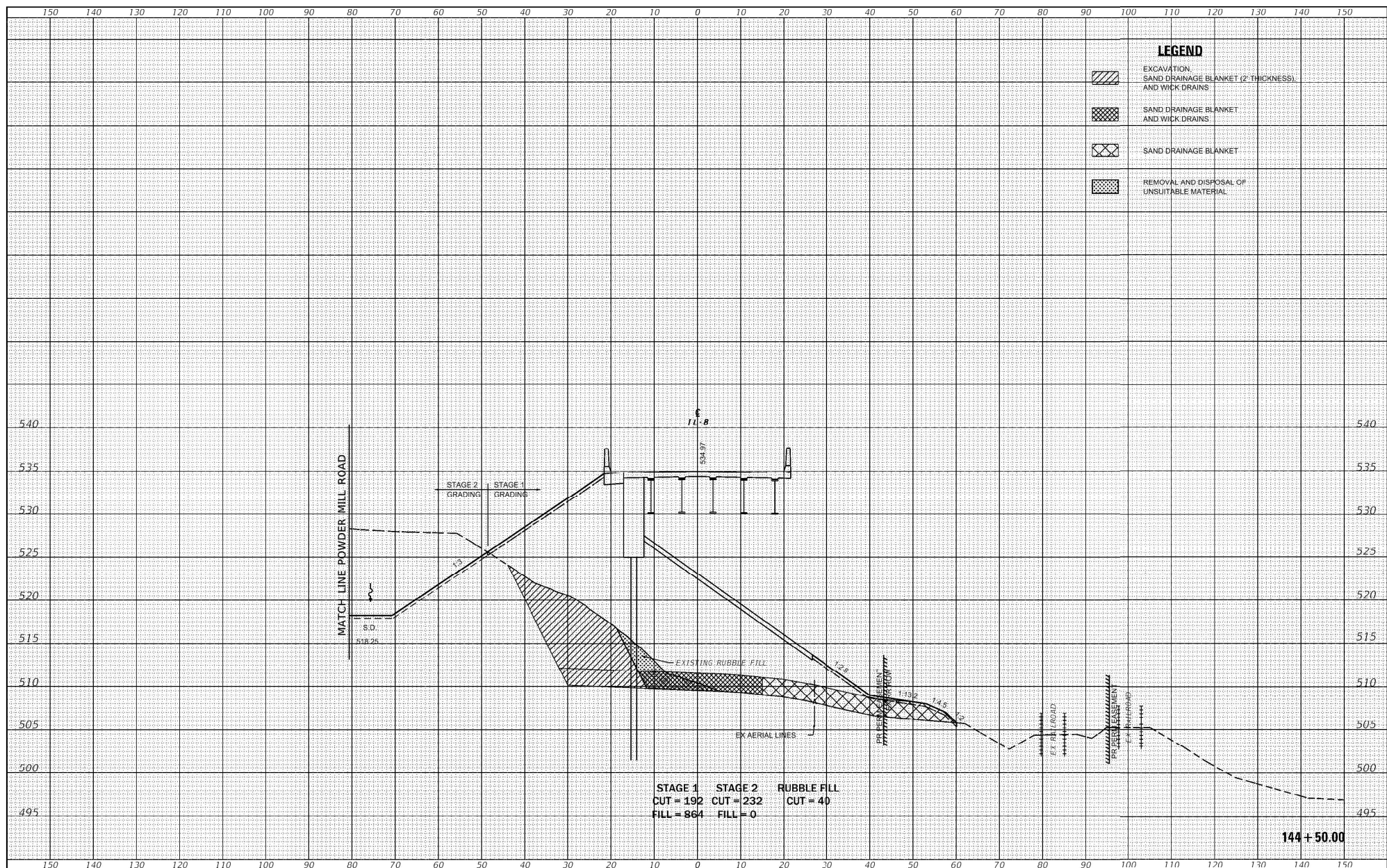


FILE NAME	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. NO. 1388	SECTION 1Z-1VBIBR-2	COUNTY PEGRIA	TOTAL SHEETS 235	SHEET NO. 196	
PROJECT	0:\PDRGEN\WINWORD\KSTDB\PLN\549\Squad03\RII.8 over BNSF at EdwardsPlan revisions IDOT post Lock Final Submittal\RE	DRAWN 468799-shr-LEG	REVISED -		SCALE: 1"=20'	SHEET 34	OF 58 SHEETS	STA. 144+25.00	TO STA. 144+25.00	CONTRACT NO. 68799		
PLOT SCALE	= 20.0000' / in.	CHECKED - ESW	REVISED -									
PLOT DATE	= 6/7/2021	DATE - 01-17-18	REVISED -									

144 + 25.00

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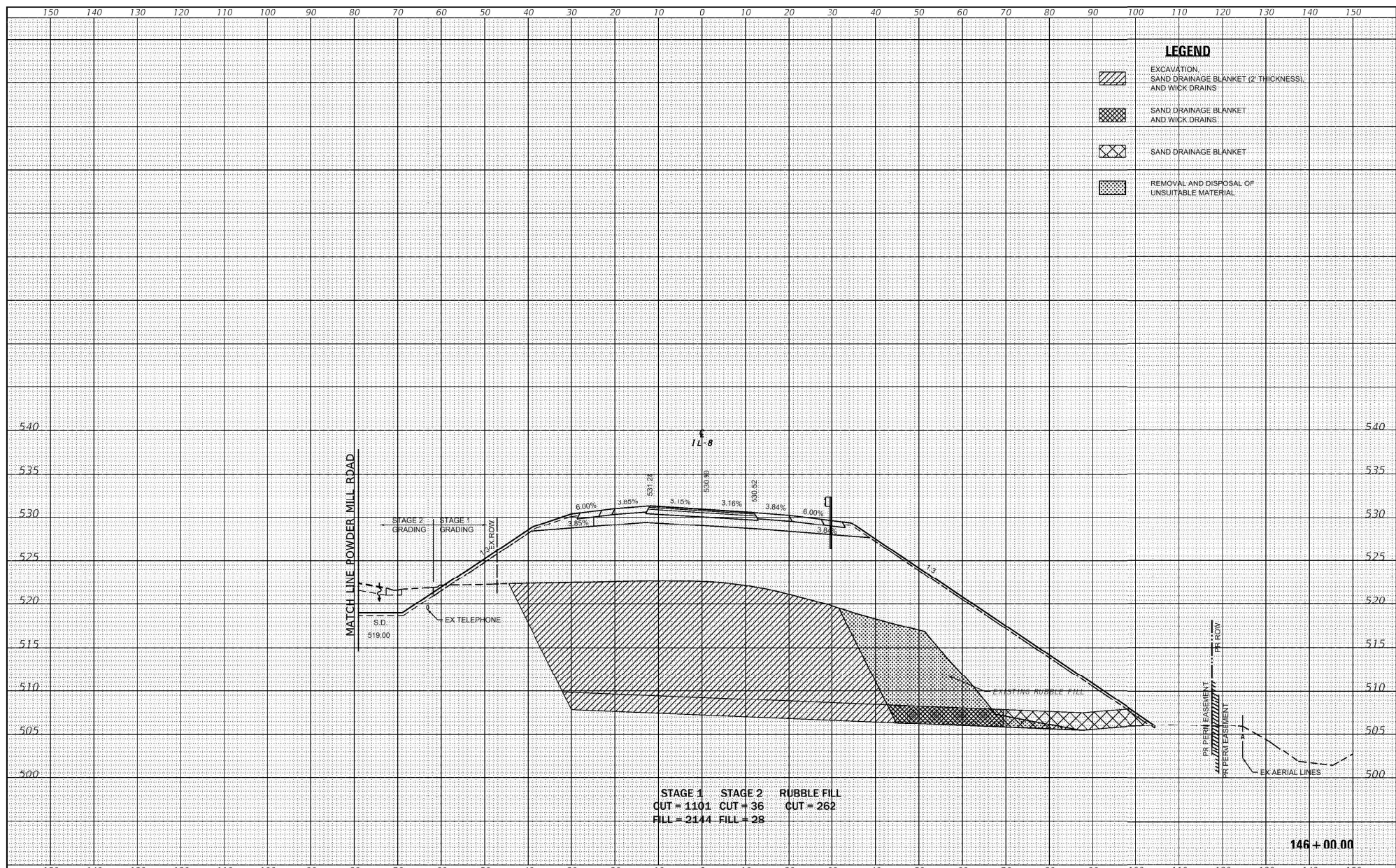
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FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
O:\PDRGENWIN\WORDKST08\PLN\54Squad03\118.8 over BNSF at					IL ROUTE 8				1388	IZ-1VBIBR-2	PEORIA	235	197	
Default					SCALE: 1"=20'				SHEET 35	OF 58 SHEETS	STA. 144+50.00	TO STA. 144+50.00	CONTRACT NO. 68799	
									ILLINOIS FED. AID PROJECT					

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LEGEND

	EXCAVATION, SAND DRAINAGE BLANKET (2" THICKNESS), AND WICK DRAINS
	SAND DRAINAGE BLANKET AND WICK DRAINS
	SAND DRAINAGE BLANKET
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STAGE 1 STAGE 2 RUBBLE FILL
 CUT = 1101 CUT = 36 CUT = 262
 FILL = 2144 FILL = 28

146 + 00.00

FILE NAME =	USER NAME = horstj	DESIGNED - JLS	REVISED - KH (DOT) 06/07/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS IL ROUTE 8		F.A.S. SITE = 138B	SECTION = 12-1VBIBR-2	COUNTY = PEGRIA	TOTAL SHEETS = 235	SHEET NO. = 200	
CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799		SCALE: 1"=20'	SHEET 38 OF 58 SHEETS	STA. 145+99.9999 TO STA. 145+99.9999	ILLINOIS FED. AID PROJECT				
CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799									
CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799	CONTRACT NO. 68799									