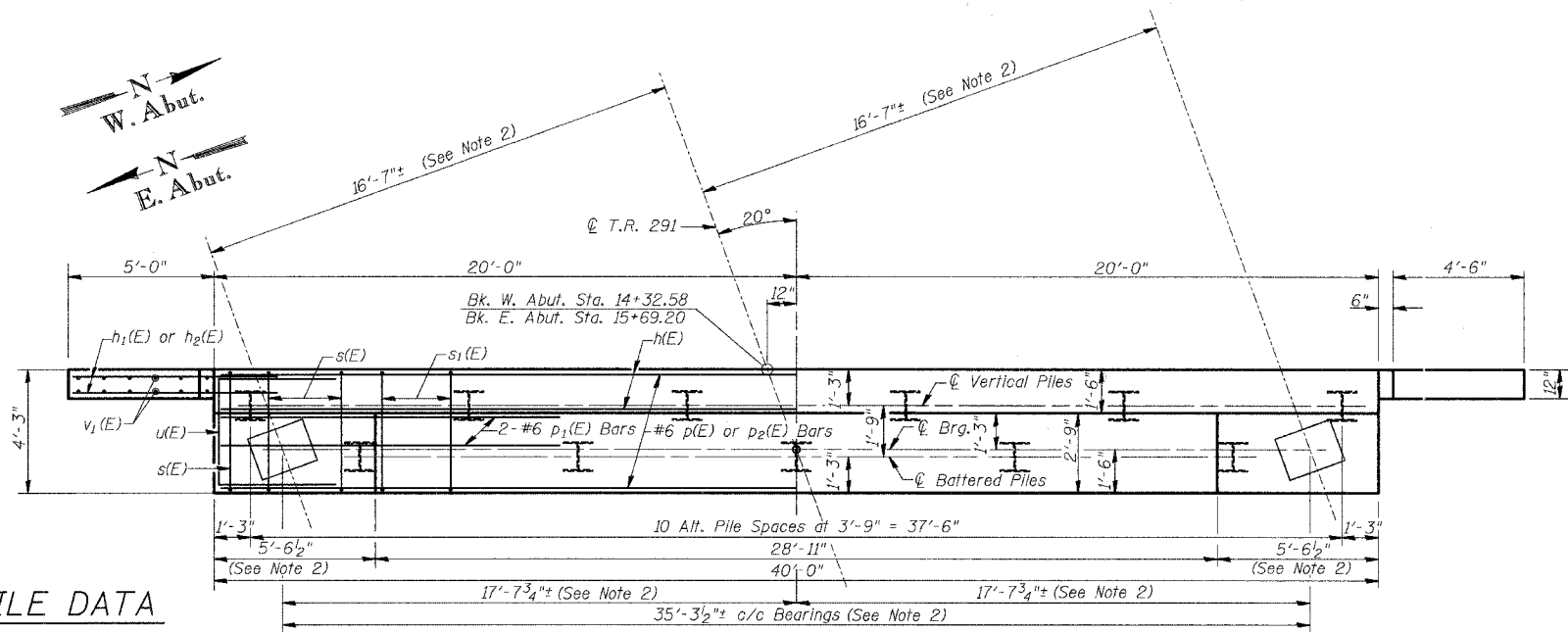


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 291	94-14131-00-BR	VERMILION	12	11
FED. ROAD DIST. NO.	ILLINOIS PROJECT BROS-183(86)		CONTRACT NO. 91323	



PILE DATA

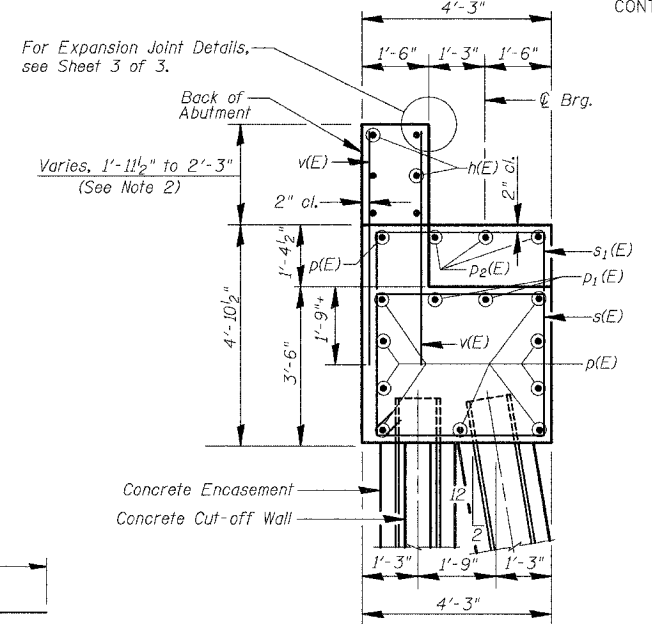
Type: Steel HP12x53
 Capacity: Refusal (See Note 5)
 Estimated Length: 11'-0" Minimum (See Note 5)
 No. Required Each Abutment: 10 Plus one Permanent Test Pile
 Approx. Top of Shale Elev: 581.34 East Abut.
 582.13 West Abut.

PLAN

TRUSS SHOE REACTION

DL 202.8 k
 LL 97.3 k
 Impact 18.7 k

For Expansion Joint Details, see Sheet 3 of 3.

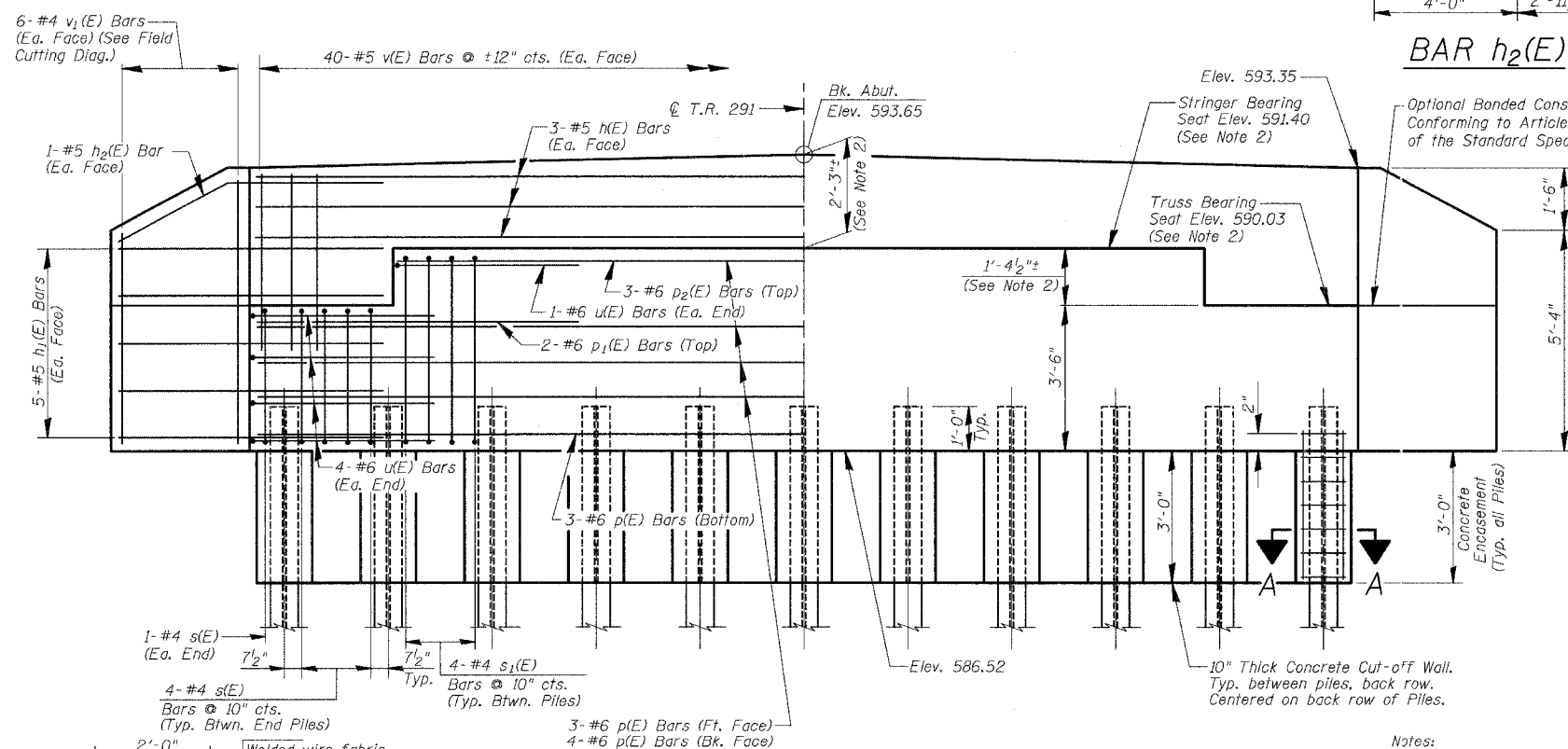


SECTION THRU ABUTMENT

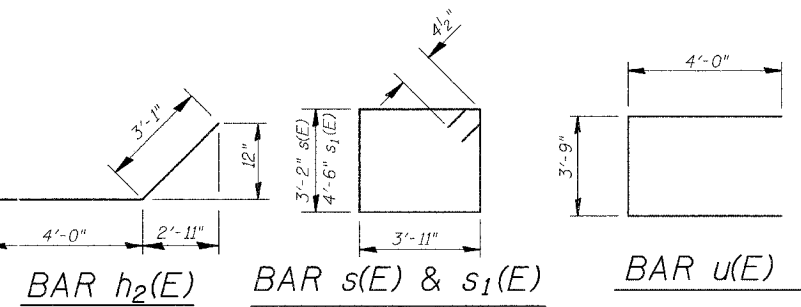
BILL OF MATERIAL TWO ABUTMENTS

Bar	No.	Size	Length	Shape
h(E)	12	#5	39'-8"	—
h1(E)	40	#5	7'-0"	—
h2(E)	8	#5	7'-1"	—
p(E)	20	#6	39'-8"	—
p1(E)	8	#6	10'-0"	—
p2(E)	6	#6	28'-7"	—
s(E)	20	#4	14'-11"	□
s1(E)	64	#4	17'-7"	□
u(E)	16	#6	11'-9"	□
v(E)	160	#5	5'-5"	—
v1(E)	24	#4	11'-6"	—

Structure Excavation	Cu.Yds.	145
Concrete Structures	Cu.Yds.	71.7
Reinforcement Bars, Epoxy Coated	Lbs.	4740
Furnishing Steel Piles HP12x53	Foot	220
Driving Steel Piles	Foot	220
Test Pile Steel HP12x53	Each	2
Concrete Encasement	Cu. Yds.	7.7
Concrete Cut-off Wall	Cu. Yds.	5.1



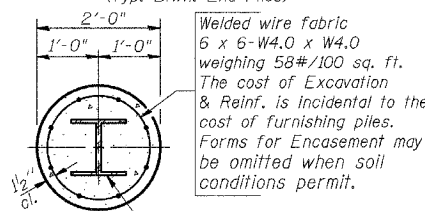
ELEVATION



FIELD CUTTING DIAGRAM

Order Bars Full Length. Cut to Fit as Shown and use Remainder of Bars in Other Face.

- Notes:
1. Anchor Bolt Layout to be Provided by Supplier of Pre-Engineered Truss.
 2. This Dimension to be Verified by supplier of Pre-Engineered Truss.
 3. Space Reinforcement to Miss Anchor Bolts.
 4. Reinforcement Bars Designated (E) Shall be Epoxy Coated.
 5. Piles shall be driven to refusal but the pile tip shall be at least 10' below the bottom of cap. The Contractor shall use the appropriate hammer to drive the minimum length if refusal is attained at a length less than the minimum.



SECTION A-A

ABUTMENTS

Date	Designed GAC	TR 291 OVER STONEY CREEK SECTION 94-14131-00-BR VERMILION COUNTY OAKWOOD TOWNSHIP STA. 15+00.89 PROP. STR. NO. 092-3488	Sheet No.
Revisions	Drawn GAC		2
	Checked KWB		of 3
	Approved KWB		
Prepared by:	URS 3040 North University Avenue Decatur, IL 62526		URS Job No. 36430707