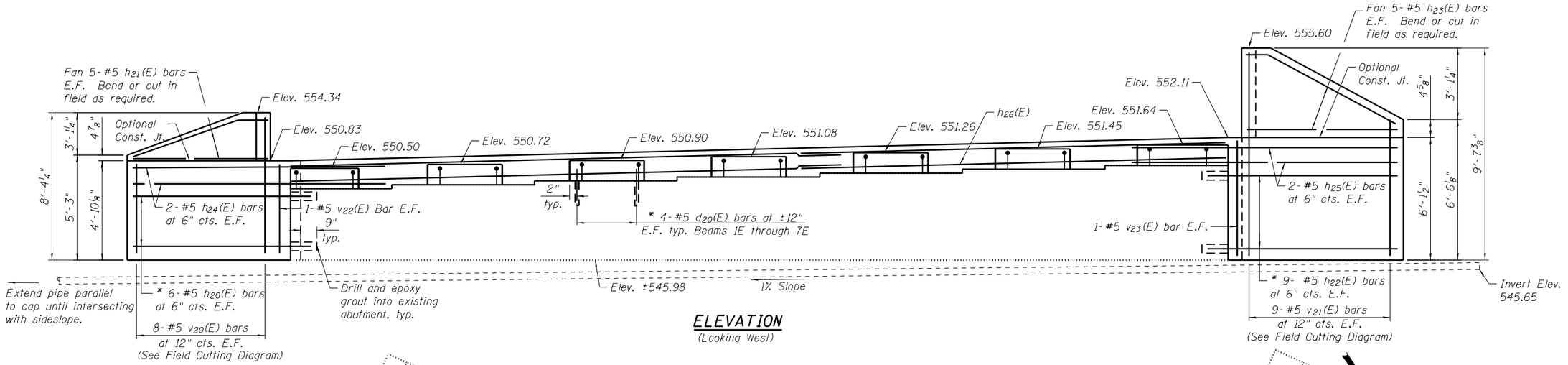
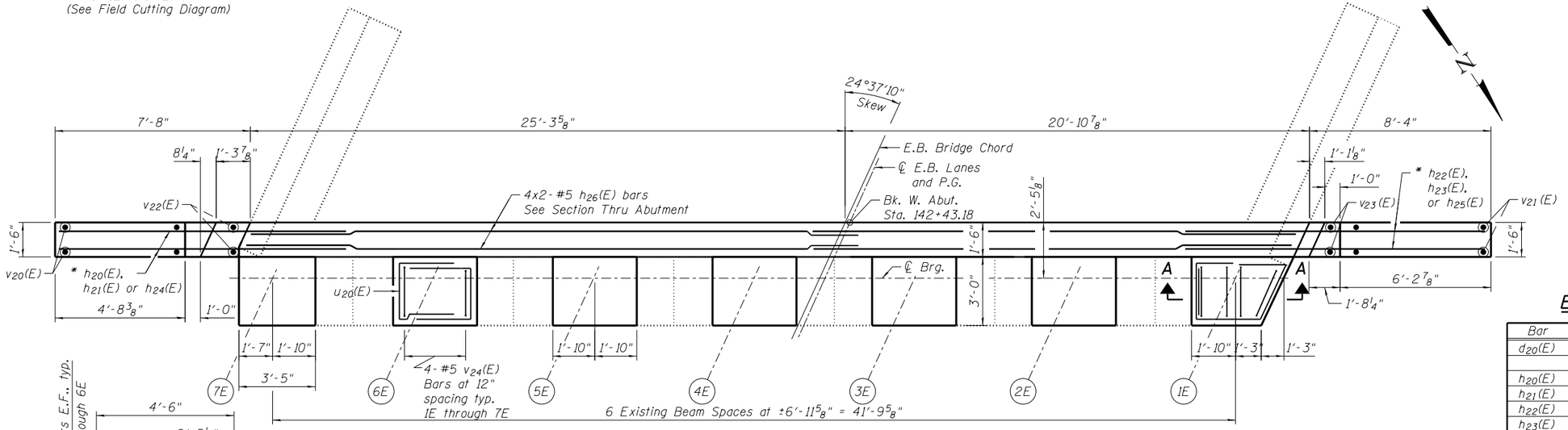
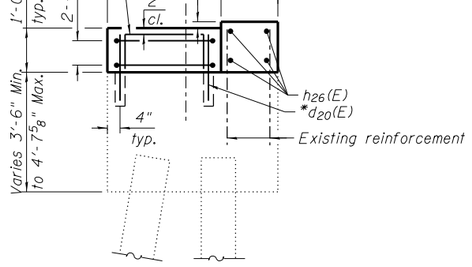


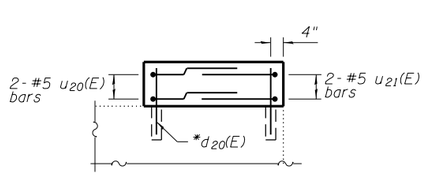
ELEVATION
(Looking West)



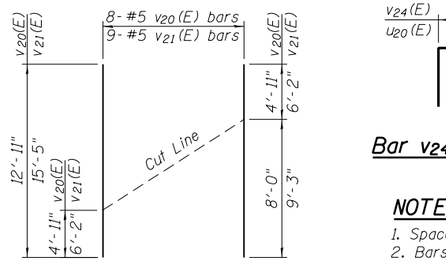
PLAN



SECTION THRU ABUTMENT



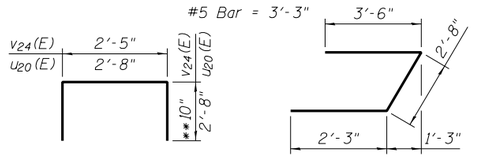
SECTION A-A



FIELD CUTTING DIAGRAM

Order $v_{20}(E)$ and $v_{21}(E)$ bars full length. Cut to fit as shown and use remainder bars in other face.

MINIMUM BAR LAP



Bar $v_{24}(E)$ and $u_{20}(E)$ BAR $u_{21}(E)$

** Cut legs in field if required to maintain clearances.

NOTES:

1. Space drilled holes in cap to miss existing reinforcement.
2. Bars indicated 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.
3. See sheet S-2 for abutment drainage details.
4. E.F. denotes Each Face.
5. Prior to ordering any material the Contractor shall verify in the field all bearing height and shim thickness dimensions.
6. For anchor bolt layout see sheet S-20.

* Epoxy grout $d_{20}(E)$, $h_{20}(E)$ or $h_{22}(E)$ bars in 9" min. drilled holes according to Section 584 of the Standard Specifications.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$d_{20}(E)$	56	# 5	1'-6"	
$h_{20}(E)$	12	# 5	8'-3"	
$h_{21}(E)$	10	# 5	6'-9"	
$h_{22}(E)$	18	# 5	9'-7"	
$h_{23}(E)$	10	# 5	8'-2"	
$h_{24}(E)$	4	# 5	10'-9"	
$h_{25}(E)$	4	# 5	12'-1"	
$h_{26}(E)$	8	# 5	24'-4"	
$u_{20}(E)$	26	# 5	8'-0"	
$u_{21}(E)$	2	# 5	8'-5"	
$v_{20}(E)$	8	# 5	12'-11"	
$v_{21}(E)$	9	# 5	15'-5"	
$v_{22}(E)$	2	# 5	3'-10"	
$v_{23}(E)$	2	# 5	4'-11"	
$v_{24}(E)$	28	# 5	4'-1"	
Structure Excavation			Cu. Yd.	97
Concrete Structures			Cu. Yd.	13.7
Reinforcement Bars, Epoxy Coated			Pound	1,450
Geocomposite Wall Drain			Sq. Yd.	59
Porous Granular Embankment, Special			Cu. Yd.	103
Pipe Underdrains for Structures, 4"			Foot	67

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USER NAME = RDanley	DESIGNED - BWS	REVISED -	
	CHECKED - MHT	REVISED -	
PLOT SCALE = 8:0.0000 '=' / in.	DRAWN - RD	REVISED -	
PLOT DATE = 8/14/2012	CHECKED - MHT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E.B. WEST ABUTMENT DETAILS
SN 018-0047 (W.B.) & 018-0048 (E.B.)
SHEET NO. S-27 OF S-34 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-47B, 18-47HB)BR	CUMBERLAND	147	85
		CONTRACT NO. 74466		
	ILLINOIS FED. AID PROJECT			