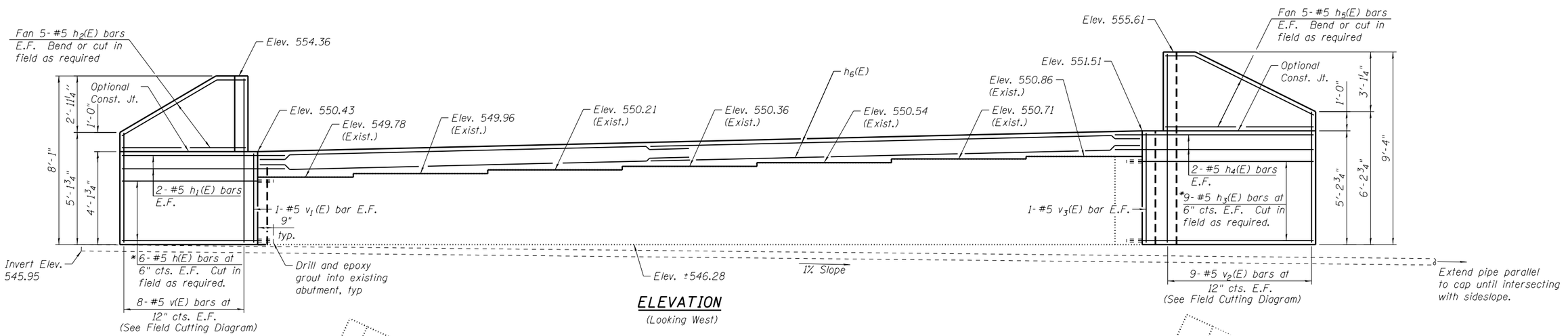
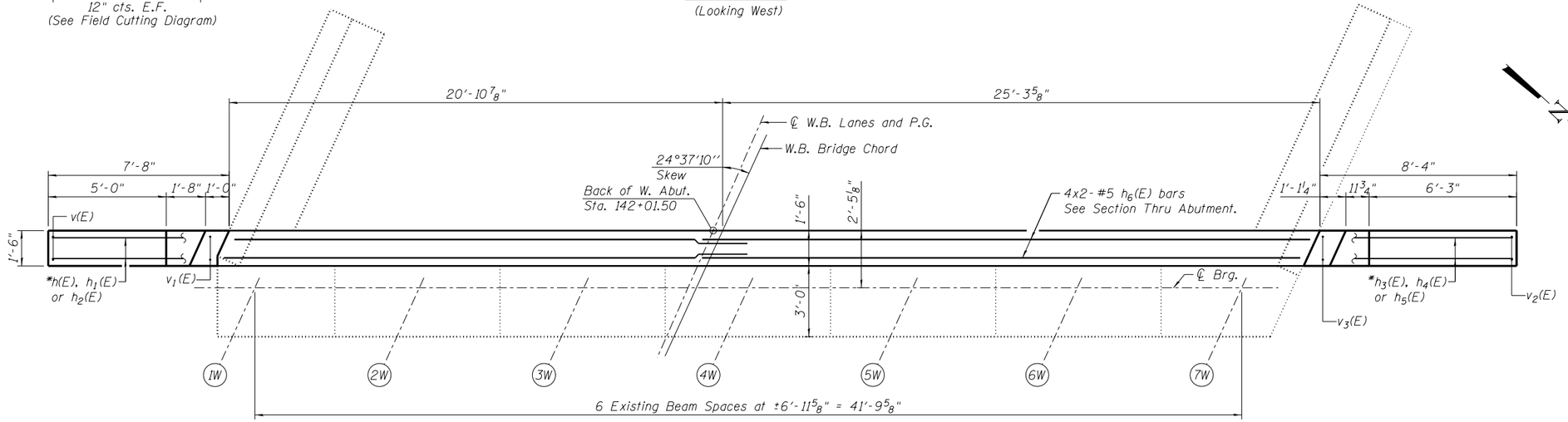
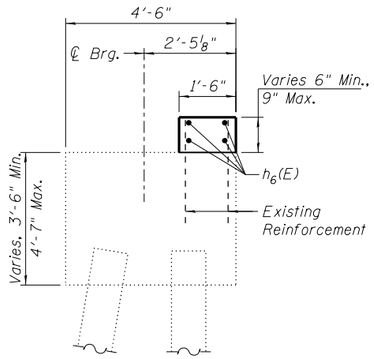


ELEVATION

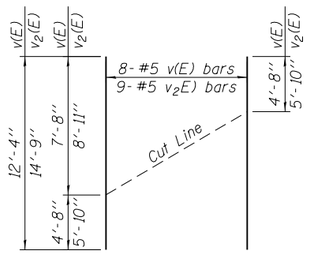
(Looking West)



PLAN



SECTION THRU ABUTMENT



FIELD CUTTING DIAGRAM

Order v(E) and v_2(E) bars full length. Cut to fit as shown and use remainder bars in other face.

* Epoxy grout h(E) and h_3(E) bars in 9" min. drilled holes according to Section 584 of the Standard Specifications.

MINIMUM BAR LAP

#5 Bar = 3'-3"

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. For anchor bolt layout see sheet S-20.
6. Prior to ordering any material the Contractor shall verify in the field all bearing height and shim thickness dimensions.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	12	# 5	8'-3"	——
h_1(E)	4	# 5	10'-9"	——
h_2(E)	10	# 5	7'-3"	——
h_3(E)	18	# 5	9'-7"	——
h_4(E)	4	# 5	12'-1"	——
h_5(E)	10	# 5	8'-6"	——
h_6(E)	8	# 5	24'-7"	——
v(E)	8	# 5	12'-4"	——
v_1(E)	2	# 5	3'-9"	——
v_2(E)	9	# 5	14'-9"	——
v_3(E)	2	# 5	4'-9"	——
Structure Excavation			Cu. Yd.	100
Concrete Structures			Cu. Yd.	8.5
Reinforcement Bars, Epoxy Coated			Pound	1,010
Geocomposite Wall Drain			Sq. Yd.	56
Porous Granular Embankment, Special			Cu. Yd.	96
Pipe Underdrains for Structures, 4"			Foot	67

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Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue
Suite 402 Chicago, Illinois 60656
Tel: 773.775.4605
Fax: 773.775.4514
Email: dl4cago@clorba.com

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W.B. WEST ABUTMENT DETAILS
SN 018-0047 (W.B.) & 018-0048 (E.B.)
SHEET NO. S-25 OF S-34 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-47B, 18-47HB)BR	CUMBERLAND	147	83
		CONTRACT NO. 74466		
	ILLINOIS FED. AID PROJECT			