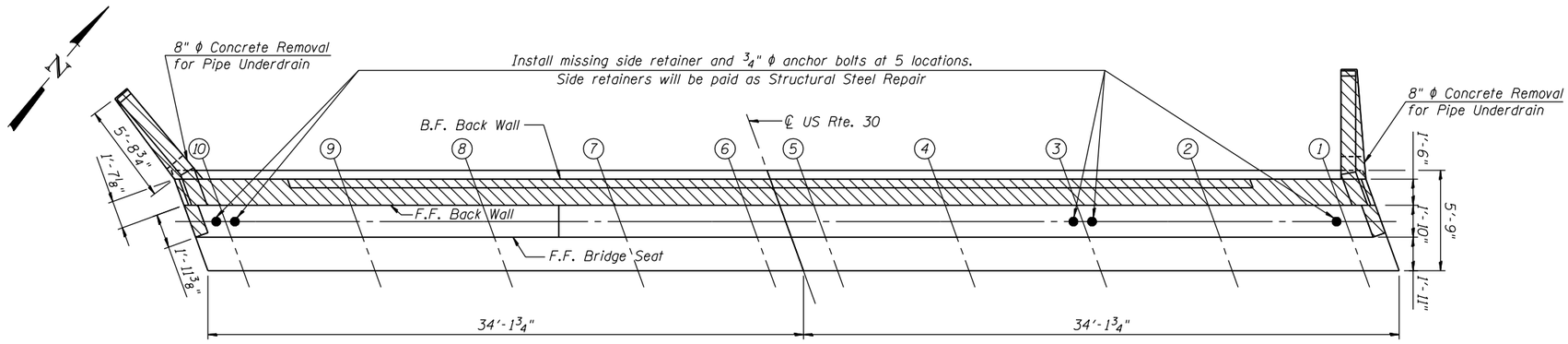
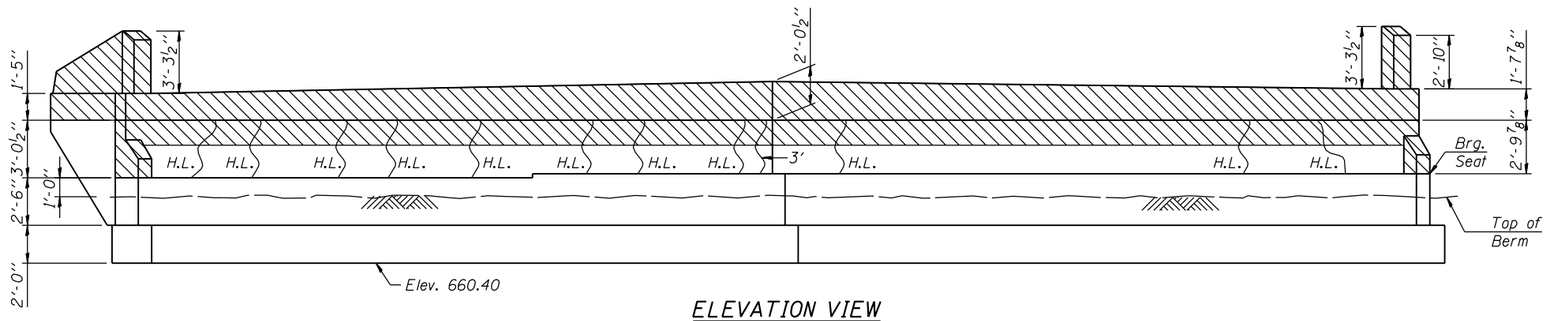
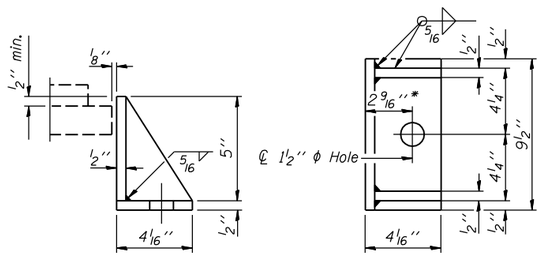


PLAN



ELEVATION VIEW
LOOKING WEST



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

** Verify in field*

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	cu. yd.	10.0
Epoxy Crack Injection	ft.	3.0
Structural Steel Repair	lb.	80
Anchor Bolts, 3/4"	each	5

LEGEND

Concrete Removal

3' → Epoxy Crack Injection

H.L. Hairline Crack, no repair required

NOTES:

1. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
2. The Structural steel of the side retainers shall conform to the requirements of AASHTO M 270 Grade 36 or Grade 50.

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.Z. 6/15/2012	REVISED -	
	CHECKED - J.A.Z. 6/15/2012	REVISED -	
PLOT SCALE =	DRAWN - E.E.J. 6/15/2012	REVISED -	
PLOT DATE =	CHECKED - J.J.G. 6/15/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT REMOVAL & REPAIRS
STRUCTURE NO. 045-0039

SHEET NO. S56 OF 116 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	277
		CONTRACT NO. 60133		
	ILLINOIS FED. AID PROJECT			

h:\jobs2010\20103003\cad\structural\dgn\045-0039_final\00\D160133-s056-w-abut-rep.dgn
6/14/2012 6:08:20 PM