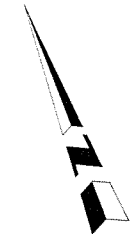


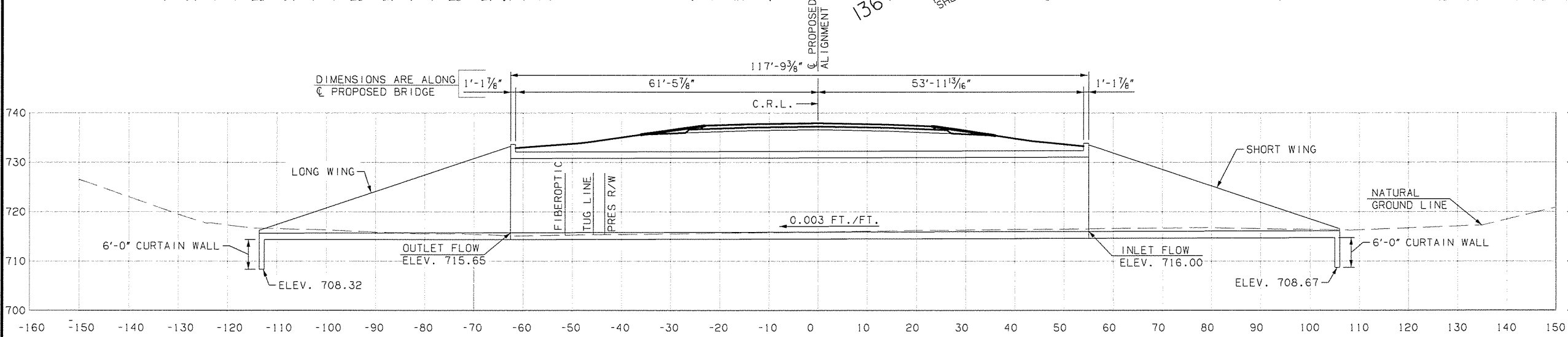
**LOAD AND RESISTANCE FACTOR DESIGN**

**DESIGN DATA**  
 Class AA Concrete  $f'_c = 4 \text{ KSI}$   
 Reinforcing Steel  $f_y = 60 \text{ KSI}$

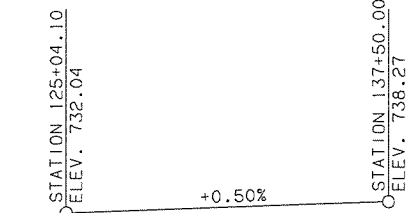
**HYDRAULIC DATA**  
 Q2 = 772 cfs  
 V2 = 2.31 fps  
 CHW2 = 726.30 ft  
 Q5 = 1530 cfs  
 V5 = 3.66 fps  
 CHW5 = 729.00 ft  
 Q10 = 2250 cfs  
 V10 = 4.99 fps  
 CHW10 = 730.29 ft  
 Q25 = 3440 cfs  
 V25 = 7.17 fps  
 CHW25 = 732.26 ft  
 Q50 = 4310 cfs  
 V50 = 8.98 fps  
 CHW50 = 733.58 ft  
 Q100 = 5330 cfs  
 V100 = 11.10 fps  
 CHW100 = 735.20 ft  
 Q500 = 8160 cfs  
 V500 = 14.19 fps  
 CHW500 = 738.23 ft  
 Qot = 6178 cfs  
 Overtopping Year = 175  
 Vot = 12.87 fps  
 Overtopping Elev. = 736.62  
 Total Drainage Area = 4435 acres  
 Controlled Drainage Area = 0 acres  
 Effective Drainage Area = 4435 acres



**PLAN**



**ELEVATION**



QUANTITIES		
ITEM	UNIT	TOTAL
Unclassified Excavation	C.Y.	6,023
Structural Excavation Unclassified	C.Y.	883
Class 'AA' Concrete	C.Y.	1,368
Reinforcing Steel	LB.	214,123
(SP) Nest Prevention - Netting	L.SUM	1.00
Type I-A Plain Riprap	TON	4,300
Type I-A Filter Blanket	TON	1,040
Filter Fabric (Riprap)	S.Y.	3,675
Removal of Exist. Bridge Structure	L.SUM	1.00

DESIGN	SDK	9-14	S.H.-16 OVER CHICKEN CREEK BRIDGE 'B' CONSTRUCT 2-16'x15'x100'-0" CL R/W RCB (30° SKEW) GENERAL PLAN & ELEVATION STATE JOB NO. 28858(04) SHEET NO. 47 CREEK COUNTY SH-16
DRAWN	TLN	9-14	
CHECKED	DGB	9-14	
APPROVED			
SQUAD	SCHEMMER		

6/16/2016 Twin 16x15 2D.dgn