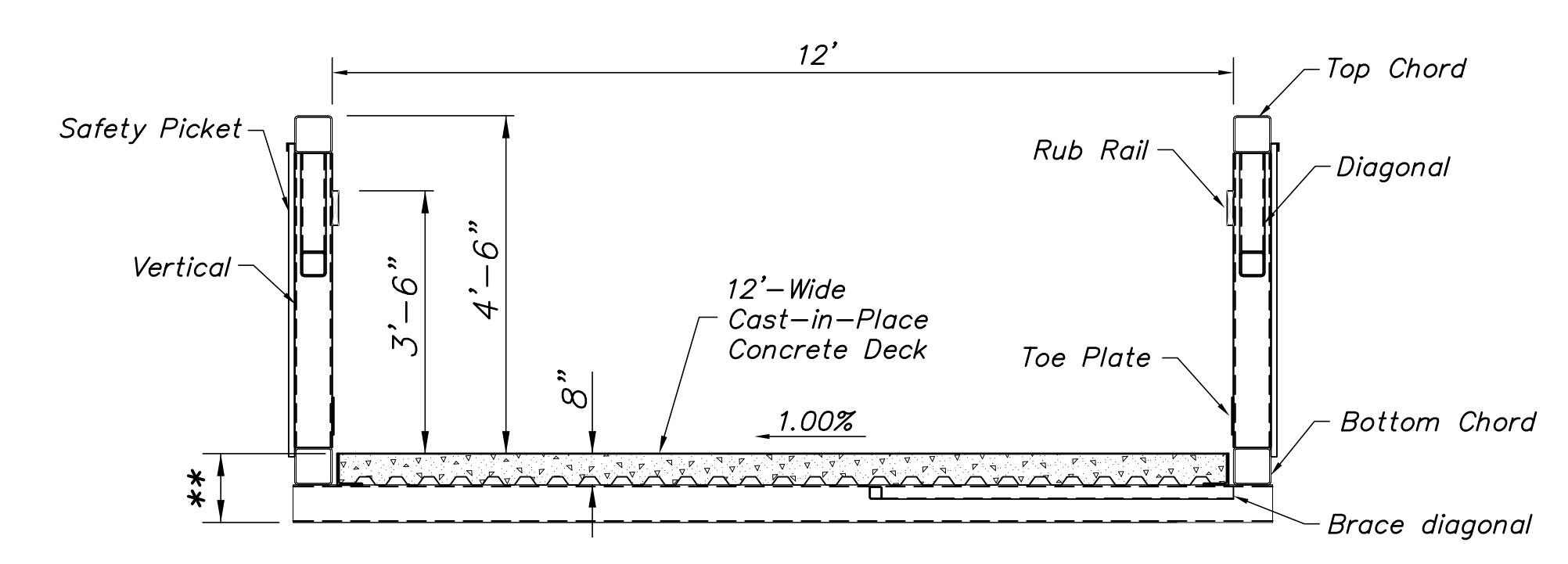
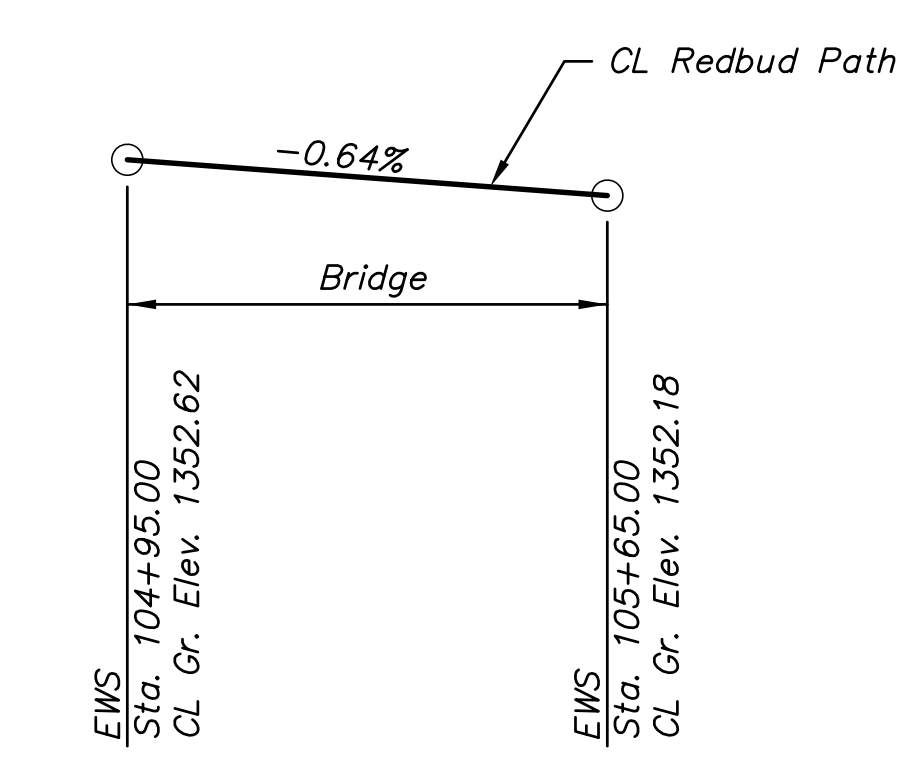


Drainage Area	2.4 Sq. Mi.
Design Frequency	100 Yr.
Design Discharge (Q ₁₀₀)	2,394 cfs
Design Highwater Elevation	1353.33 Ft.
Change in Design Backwater	-1.24 Ft.
Design Backwater Elevation	1352.31 Ft.
Overtopping Elev. (Sta. 106+80.00)	1352.00 Ft.
Overtopping Discharge	1,900 cfs
Overtopping Frequency	> 42 Yr.
Discharge of Q ₁₀₀	2,394 cfs
Change in Backwater at Q ₁₀₀	-1.24 Ft.
Backwater Elevation at Q ₁₀₀	1352.31 Ft.
Historic Highwater Elevation	N/A
Ordinary Highwater Elevation	1348.70 Ft.
Ordinary Highwater Discharge	588 cfs
Total Waterway Provided	716.7 Sq. Ft.
Design Waterway Provided	631.7 Sq. Ft.

● Overtopping occurs at > 100 yr. Frequency on 1,900 cfs



** Contractor shall coordinate with the bridge manufacturer and adjust beam seat elevation to accommodate the actual depth of the bridge.

REDBUD BIKE PATH EAST
K-96 TO 159TH STREET EAST

CONSTRUCTION LAYOUT

CITY OF WICHITA, KANSAS
GARY JANZEN, P.E. - CITY ENGINEER
C.O.W. Project #472-65360, C.C.A. #707125

POE & ASSOCIATES, INC.
CONSULTING ENGINEERS
544 West Douglas Avenue
Wichita, KS 67203
Phone 316/685-4114 • FAX 316/685-4444

Engineer: M. LETTNER
Designer: J. UNRUH
Dwg: P.102127 Redbud Wichita DWG102127-BAS-tail grade.dwg
Poe Job No: 102127
Date: APRIL 2018

Sheet of 222