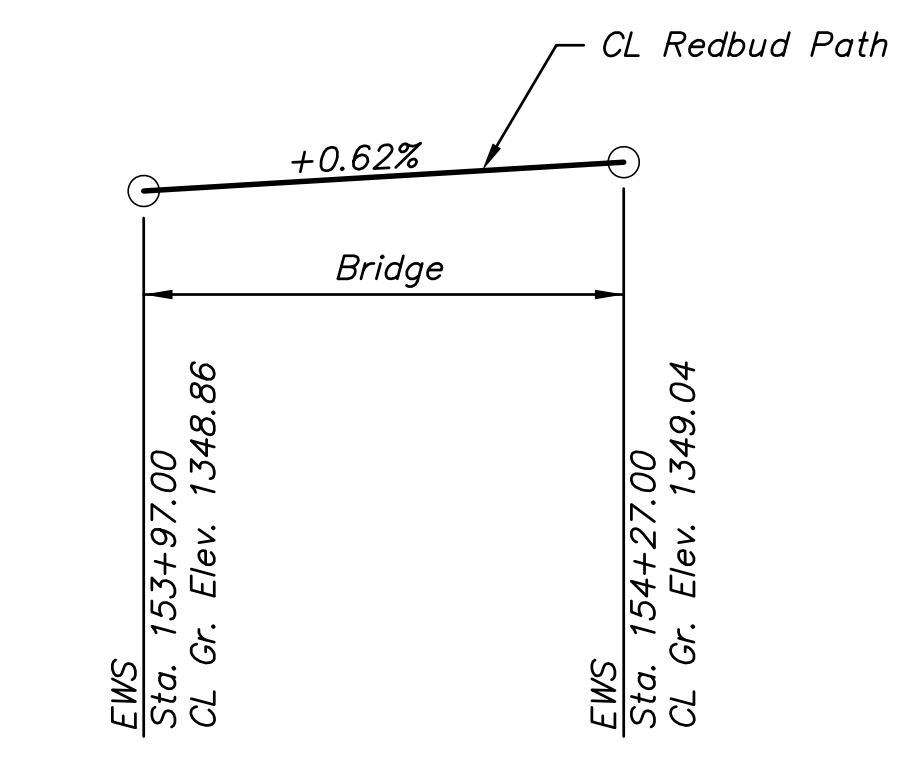


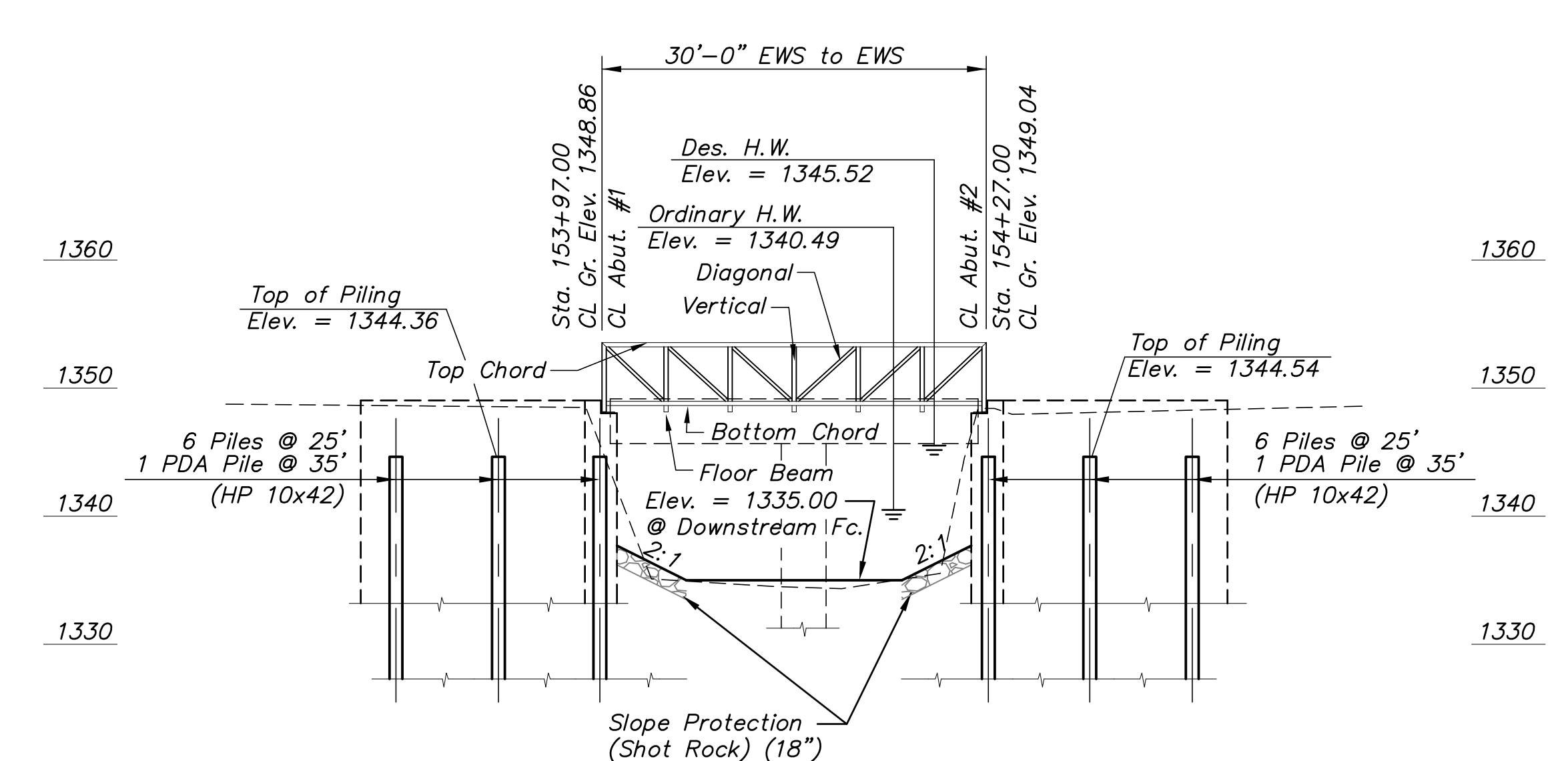
Drainage Area	1.1 Sq. Mi.
Design Frequency	10 Yr.
Design Discharge (Q <sub>10</sub> )	1,244 cfs
Design Highwater Elevation	1345.52 Ft.
Change in Design Backwater	-1.56 Ft.
Design Backwater Elevation	1343.96 Ft.
Overtopping Elev. (Sta. 153+40.00)	1348.50 Ft.
Overtopping Discharge	2,821 cfs
Overtopping Frequency	> 500 Yr.
Discharge of Q <sub>100</sub>	2,236 cfs
Change in Backwater at Q <sub>100</sub>	-1.56 Ft.
Backwater Elevation at Q <sub>100</sub>	1343.96 Ft.
Historic Highwater Elevation	N/A
Ordinary Highwater Elevation	1340.49 Ft.
Ordinary Highwater Discharge	640 cfs
Total Waterway Provided	418.1 Sq. Ft.
Design Waterway Provided	216.0 Sq. Ft.

● Overtopping occurs at > 100 yr. Frequency on Four Mile Creek

BM #3 "+ " CUT ON W. RIM OF SSMH, 60' E. CL 143RD. ST. E., 75' S. CL TRAIL Sta. 127+13, 78' Rt. ELEV. 1363.10
BM #4 "□" CUT ON SE COR. BRIDGE HUB GUARD, 1/2 MILE EAST OF 127TH. ST. E. @ S. SIDE OF TRAIL Sta. 154+28, 9' Rt. ELEV. 1348.36

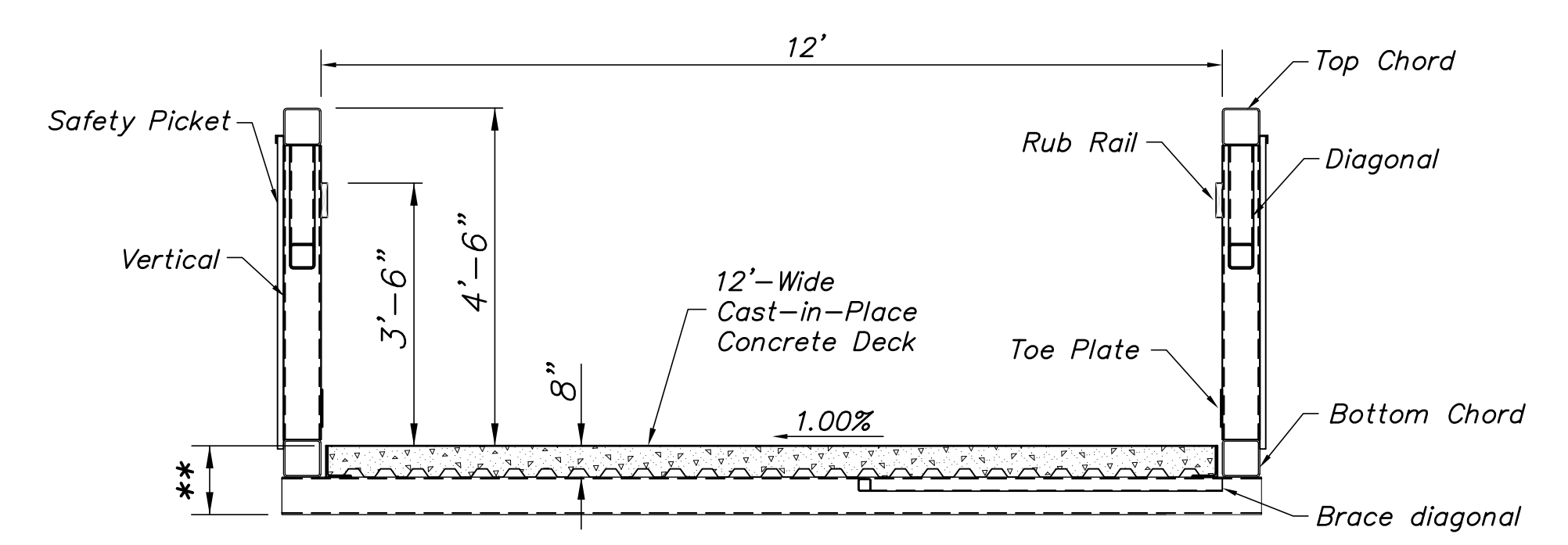


**PLAN**



**ELEVATION**  
(1" = 10')

30' Pre-Fabricated Weathering Steel Truss Bridge Conc. U-type Abutments on Pile Bent (Bearing) 12' Roadway



**BRIDGE TYPICAL SECTION**  
(1" = 2')

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

REDBUD BIKE PATH K-96 TO 159TH STREET EAST CONSTRUCTION LAYOUT CITY OF WICHITA, KANSAS GARY JANZEN, P.E. - CITY ENGINEER C.O.W. Project #172-65360, C.C.A. #107125	POE & ASSOCIATES, INC. CONSULTING ENGINEERS 544 West Douglas Avenue Phone 316/685-4114 FAX 316/685-4444 Wichita, KS 67203
	ENGINEER: M. LETTNER DESIGNER: J. UNRUH DWG: P.102127 Redbud Wichita/DWG102127-BAS-tal grade.dwg P.O. Job No: 102127 DATE: APRIL 2018
No. 1 Date By Approved Revision	Sheet of 222