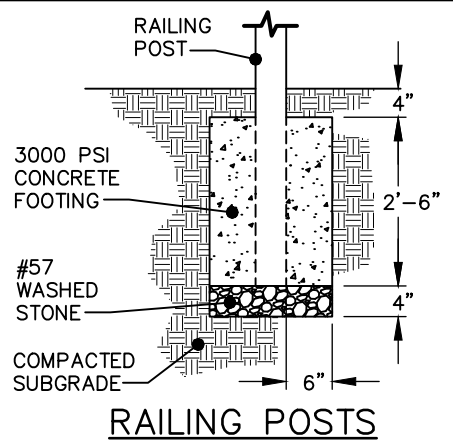


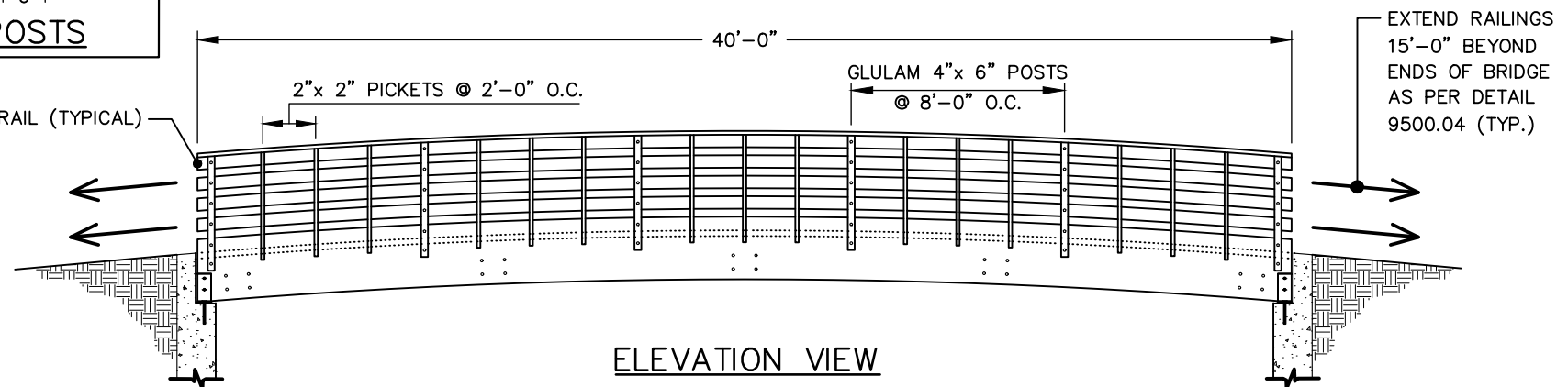
SECTION VIEW



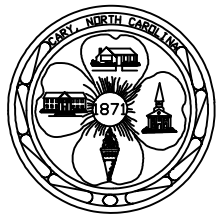
RAILING POSTS

**BRIDGE SPECIFICATIONS:**

- A. DESIGN LOADS:
- I. THE BRIDGE SHALL BE DESIGNED FOR AN EVENLY DISTRIBUTED LOAD OF 85 POUNDS PER SQUARE FOOT AS REQUIRED BY AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16TH EDITION, AND A CONCENTRATED LOAD OF 20,000 POUNDS AT MID-SPAN. THE DESIGN OF THE LAMINATED LUMBER BRIDGE COMPONENTS SHALL BE IN ACCORDANCE WITH THE "AMERICAN INSTITUTE OF TIMBER CONSTRUCTION", "AITC 117-2001", OR LATEST EDITION.
  - II. THE TOTAL BRIDGE DEAD LOAD APPLIED TO THE END BENT SHALL NOT EXCEED 37,000 POUNDS.
- B. REFER TO ADDITIONAL WRITTEN SPECIFICATIONS.
- C. IF RUNNING SLOPE ON BRIDGE EXCEEDS 5%, HANDRAILS SHALL BE PROVIDED IN ACCORDANCE WITH AASHTO/ADA DESIGN REQUIREMENTS; 12 FEET CLEARANCE, AS INDICATED IN SECTION VIEW, SHALL BE BETWEEN HANDRAILS.
- D. STRUCTURAL ENGINEER SHALL SIZE ALL LUMBER AND SPACING APPROPRIATELY TO MEET CAPACITY REQUIREMENTS, AND SHALL PROVIDE A SEALED CERTIFICATION TO CARY THAT STRUCTURE WAS CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH PLANS AND CARY SPECIFICATIONS.



ELEVATION VIEW



**PRE-ENGINEERED LAMINATED BEAM BRIDGE (OPTION 'A')**

DETAIL No.

9500.02

EFFECTIVE: 07/01/21