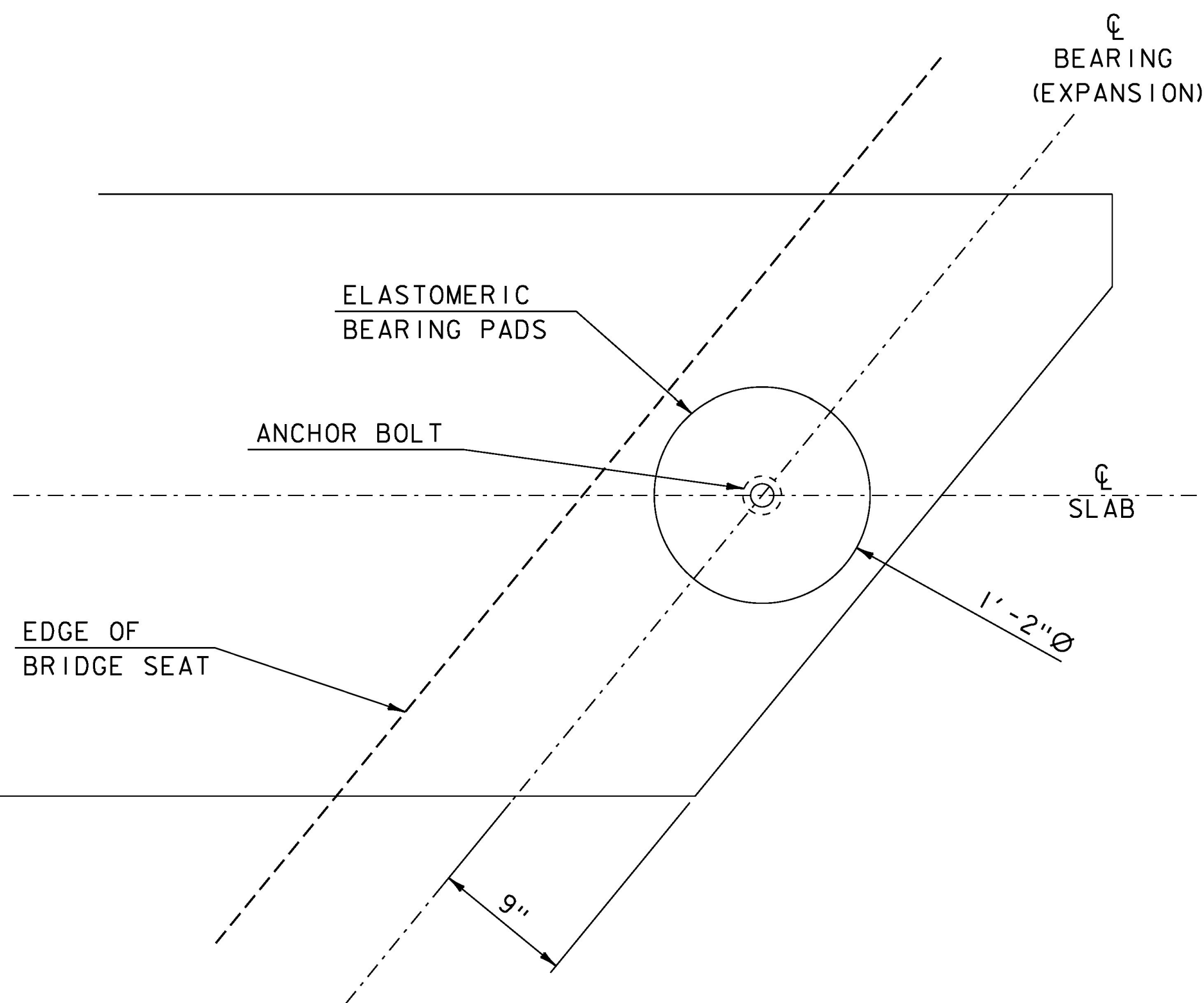


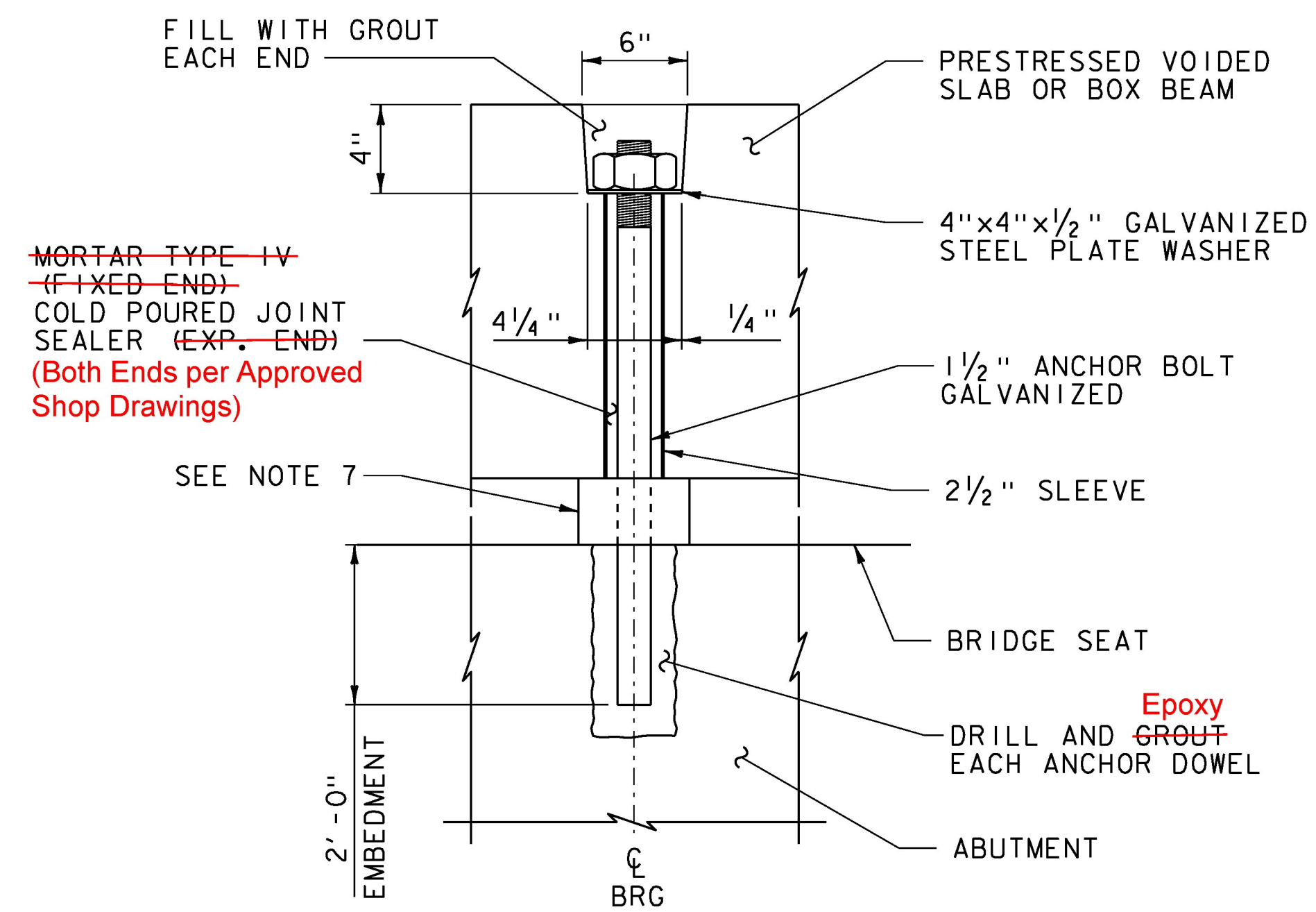
**BRIDGE SEAT 1  
BEARING PAD PLACEMENT DETAIL**

SCALE 1/2" = 1'-0"  
(28 BEARING PADS REQUIRED)



**BRIDGE SEAT 2  
BEARING PAD PLACEMENT DETAIL**

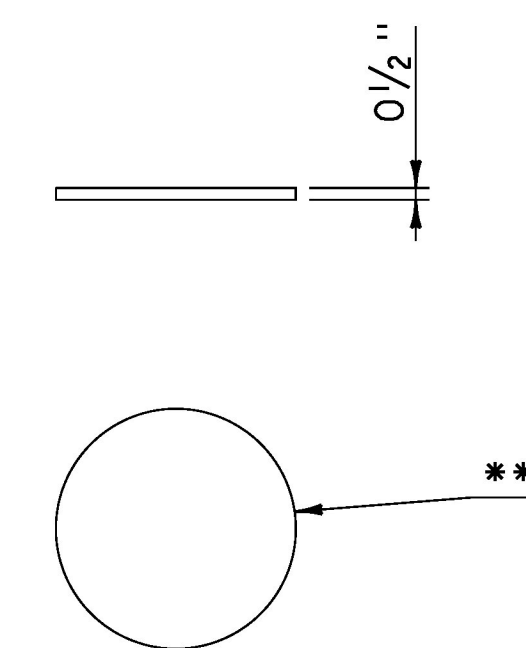
SCALE 1/2" = 1'-0"  
(14 BEARING PADS REQUIRED)



**PRESTRESSED BEAM  
ANCHOR DETAIL**  
NOT TO SCALE

**NOTES**

- 1) SEE VAOT SPECIFICATION 714.08 FOR ANCHOR BOLTS & NUTS
- 2) ITEM 531.16, "BEARING DEVICE ASSEMBLY, PLAIN ELASTOMERIC PAD" IS THE PAY ITEMS FOR THE BEARINGS.
- 3) ALTERNATE CONFIGURATIONS FOR ELASTOMERIC BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATIVE BEARING SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE LOADS AND CRITERIA SHOWN ON THIS SHEET AND MAINTAIN THE ANCHORAGE SYSTEM SHOWN. THE BEARINGS SHALL BE DESIGNED ACCORDING TO AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS".
- 6) DESIGN CRITERIA:
  - A. TEMPERATURE RANGE: 80 F
  - B. 60 DUROMETER ELASTOMERIC
  - C. MAXIMUM BEARING STRESS: 1000 psi
  - D. DESIGN ROTATION: 0.016 rad
  - E. UNFACTORED REACTIONS:  
RDL: 10.225 KIPS
- 7) CONTRACTOR SHALL SUPPLY A SELF-ADHESIVE COMPRESSIBLE SEALER BETWEEN THE BOTTOM OF THE UNITS AND THE BRIDGE SEAT. THIS COMPRESSIBLE SEALER SHALL SURROUND THE 2 1/2" DIA SLEEVE IN THE UNIT. THE PURPOSE OF THE SEALER IS TO FACILITATE PLACEMENT OF THE GROUT AROUND THE ANCHOR BOLTS.
- 8) GROUT ANCHOR BOLTS INTO THE SLEEVES. BEFORE THE GROUT CURES, PLACE THE WASHER PLATE AND INSTALL THE NUT ON TOP AND TIGHTEN.
- 9) PAYMENT FOR BEAM ANCHORAGE, INCLUDING ALL MATERIALS, LABOR, AND INCIDENTALS WILL BE INCLUDED IN THE UNIT PRICE BID FOR PRESTRESSED CONCRETE SOLID SLABS.
- 10) ADDITIONAL SHIMS MAY BE REQUIRED TO ADJUST FOR FINAL GRADE AND CAMBER TOLERANCES. SHIMS SHALL BE INCIDENTAL TO ITEM 531.16 "BEARING DEVICE ASSEMBLY, PLAIN ELASTOMERIC PAD".



**ELASTOMERIC BEARING DETAIL**

SCALE 1/2" = 1'-0"  
\*\* DIAMETER OF BRIDGE SEAT 1 BEARINGS 10"  
DIAMETER OF BRIDGE SEAT 2 BEARINGS 1'-2"  
WITH 2 1/2" DIA HOLE FOR ANCHOR BOLT  
ELASTOMERIC BEARINGS SHALL BE 1/2" THICK

PROJECT NAME: WOODSTOCK VILLAGE	PLOT DATE: 09-AUG-2017
PROJECT NUMBER: BF 020-2(43)	DRAWN BY: S. COLEY
FILE NAME: s13j280sup.dgn	CHECKED BY: W. LAMMER
PROJECT LEADER: R. YOUNG	SHEET 36 OF 53
DESIGNED BY: S. COLEY	
END BRIDGE DETAILS	