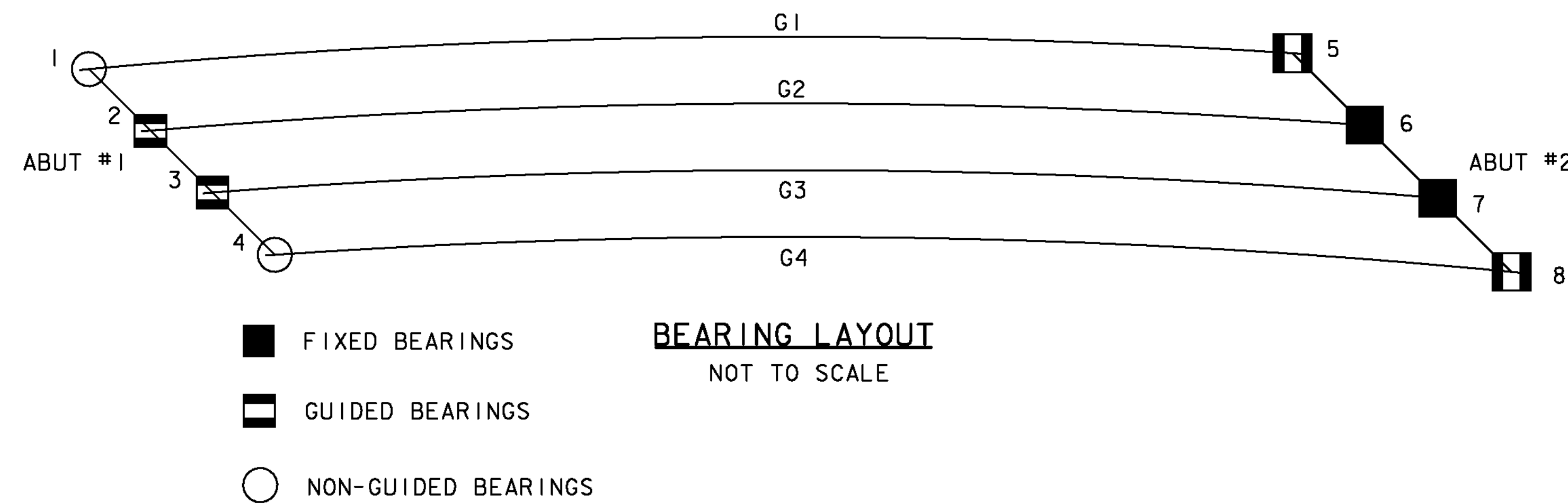


**BEARING NOTES**

1. BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTIONS 531 & 731.
2. BEARINGS SHALL BE PAID FOR UNDER THE ITEM 531.12 "BEARING DEVICE ASSEMBLY, POT".
3. FABRICATION DRAWINGS CONFORMING TO SUBSECTION 531.03 SHALL BE SUBMITTED.
4. THE CONCRETE SURFACE UNDER THE BEARING DEVICES SHALL BE LEVEL.
5. DESIGN CRITERIA:
  - A. BASE PLATE TO CONCRETE DESIGN PRESSURE = 1.20 ksi MAXIMUM.
  - B. MINIMUM DESIGN ROTATION = 0.030 radians
  - C. MINIMUM DESIGN TRANSLATION: TRANSVERSE = 1"  
LONGITUDINAL = 2"
  - D. HORIZONTAL CAPACITY SHALL BE A MINIMUM OF 25% OF THE VERTICAL LOAD.
  - E. VERTICAL DESIGN LOAD PER TABLE ON THIS SHEET.
6. ALL POTS, PLATES, NUTS, WASHERS AND ANCHOR BOLTS, UNLESS OTHERWISE NOTED, SHALL BE GALVANIZED OR METALIZED AS PER SUBSECTIONS 531.04 (B) AND 506.15 OF THE STANDARD SPECIFICATIONS. IF THE BEARINGS ARE METALIZED, THEY SHALL BE SEALED WITH AN APPROVED SEALER AS SPECIFIED IN SUBSECTION 531.04 (B) OF THE STANDARD SPECIFICATIONS. AREAS OF GALVANIZING OR METALIZING DAMAGED BY FIELD WELDING OR HANDLING SHALL BE REPAIRED IN CONFORMANCE WITH STANDARD SPECIFICATION 513. THE INSIDE OF THE POTS SHALL NOT BE GALVANIZED OR METALIZED.
7. ALL STEEL IN BEARING DEVICES SHALL BE AASHTO M270M/M270 GRADE 345, UNLESS NOTED OTHERWISE.
8. ANCHOR BOLTS SHALL HAVE A MINIMUM OF 15" EMBEDMENT INTO THE CONCRETE AND SHALL CONFORM TO SUBSECTION 714.08.
9. THE CONNECTION BETWEEN THE POT BEARING AND SOLE PLATE AND POT BEARING AND THE MASONRY PLATE SHALL BE DESIGNED AND DETAILED BY THE SUPPLIER.
10. ALL DESIGNS DONE FOR THE BEARINGS SHALL BE PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 5TH EDITION AND ITS LATEST REVISIONS.
11. ALTERNATE CONFIGURATIONS FOR BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE DESIGN LOADS AND CRITERIA SHOWN ON THE PLANS.
12. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.



BEARING AT ABUTMENT #1	
BEARING NO.	VERTICAL LOAD (UNFACTORED)
1	120 kips
2	130 kips
3	175 kips
4	135 kips
BEARING AT ABUTMENT #2	
BEARING NO.	VERTICAL LOAD (UNFACTORED)
1	130 kips
2	85 kips
3	105 kips
4	270 kips

PROJECT NAME: SPRINGFIELD	PLOT DATE: 14-SEP-2011
PROJECT NUMBER: BRO 1442(26)	DRAWN BY: R. PELLET
FILE NAME: s95j282sup.dgn	CHECKED BY: J. LACROIX
PROJECT LEADER: K. HIGGINS	SHEET 22 OF 52
DESIGNED BY: J. LACROIX	
BEARING DETAILS - 1	