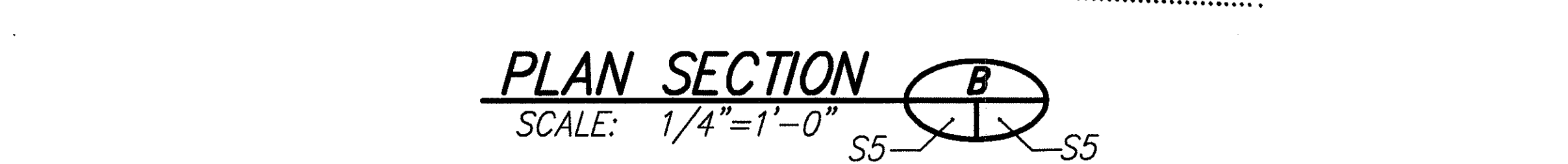
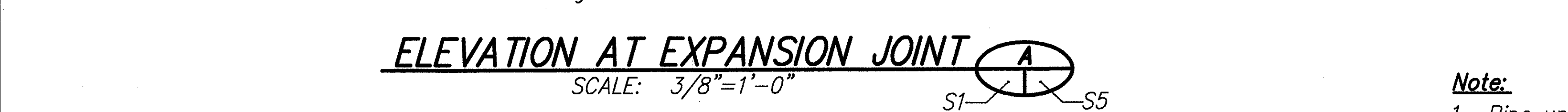
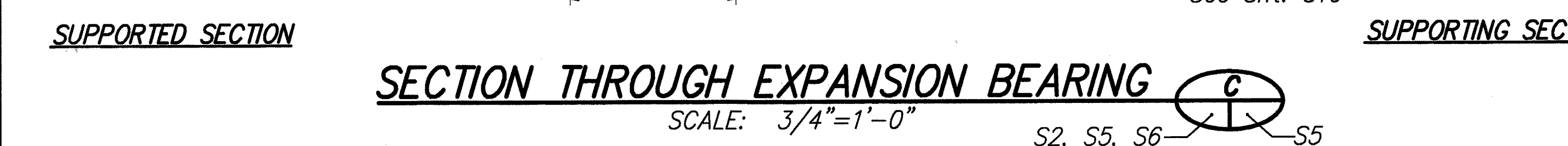
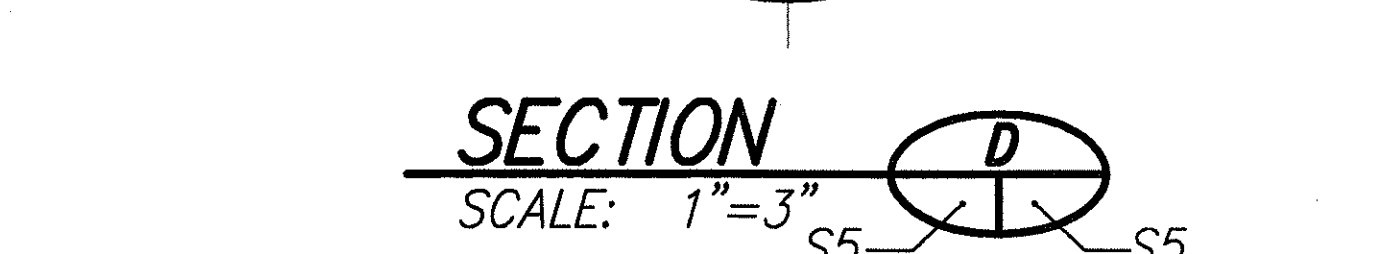


Conc. Bolster  
Each Side  
12 Total Each



1. Pipe unit to be placed against top of hole and grouted on "Supporting Section" side only.
2. Tightly wrap pipe with two (2) layers of No. 15 asphalt felt (ASTM D 226, Type I) at "supported side" in concrete bolster only.
3. All metal parts to be galvanized after fabrication.
4. Abrasive blast cleaning of existing concrete is not required.
5. Reinforcement, including dowels, may be adjusted to avoid conflicts with location of pipe.
6. Temporary filler material at "Supported Section" in cored hole (to be removed after grouting).
7. Interior bay details shown, exterior bay details similar. Adjustments for sloping exterior girders, etc. should be in accordance with plan details, or as directed by the Engineer.
8. Pipe Unit at be placed against top of hole and grouted on "Supporting Section".



***As-Built Legend***

BRIDGES 3A AND 3E  
RETROFIT DETAILS

Scale: as noted Date: March 199

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