

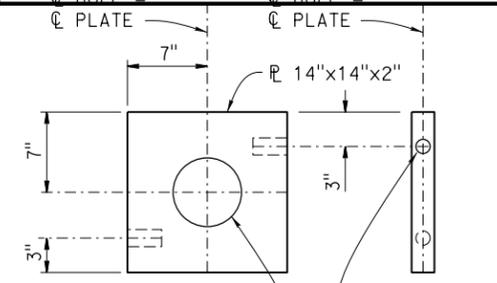
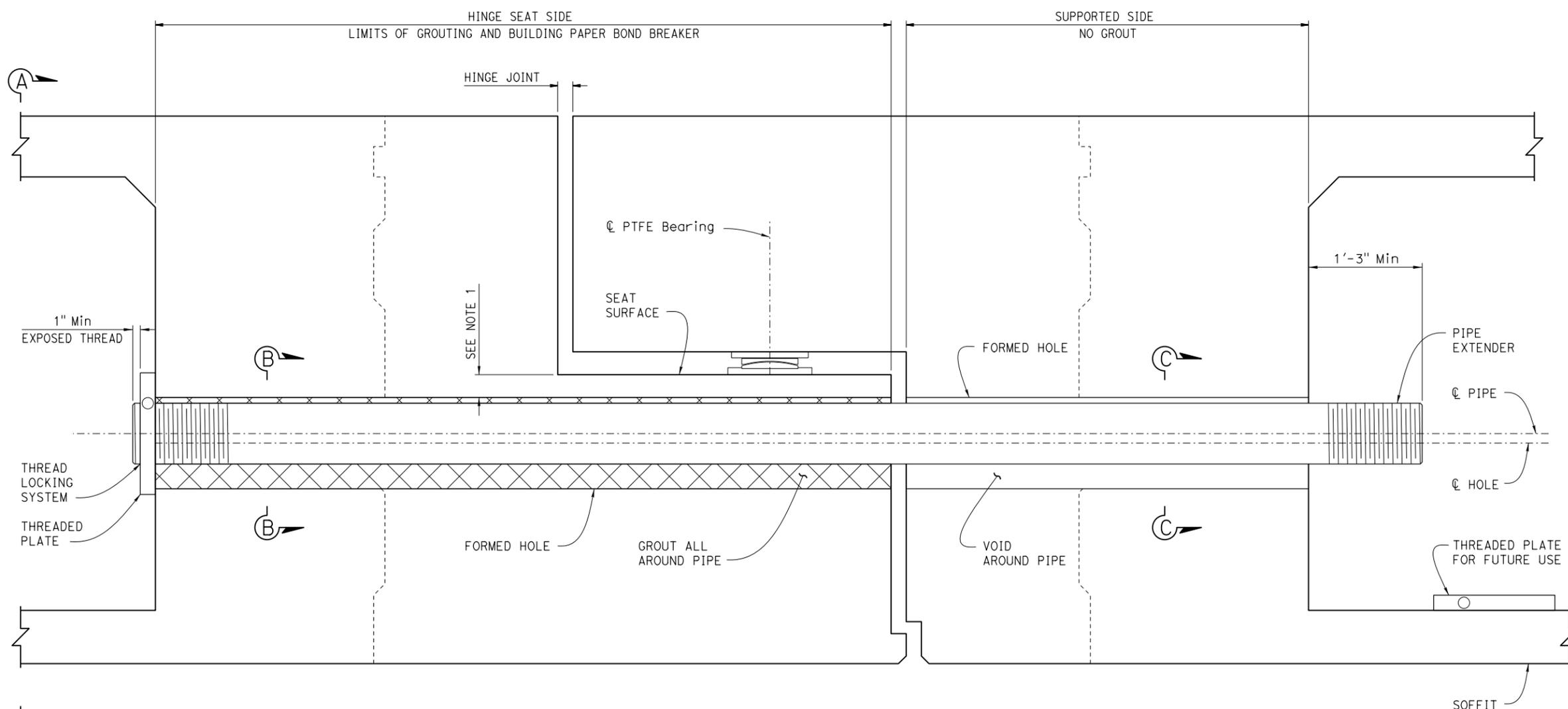
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

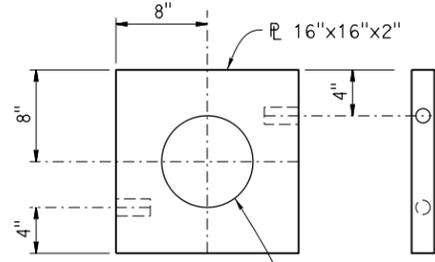
The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.



THREADED HOLE FOR PIPE 6 XX-STRONG

1 1/4" Ø x 3" DEEP HOLE TOTAL 2

FOR 6" Ø PIPE EXTENDER



THREADED HOLE FOR PIPE 8 XX-STRONG

FOR 8" Ø PIPE EXTENDER

Threaded plate for 6" Ø and 8" Ø pipe similar, except as noted.

The bearing surface for the Threaded Plates must be perpendicular to the hole.

2 Threaded Plates per Pipe Extender. Only install Plate on Hinge Side. On the Supported Side place Threaded Plate on soffit below Pipe Extender for future use.

The 3" deep holes in plate are to receive a 1" Ø rod for removal of the threaded plate (by others).

THREADED PLATE DETAILS

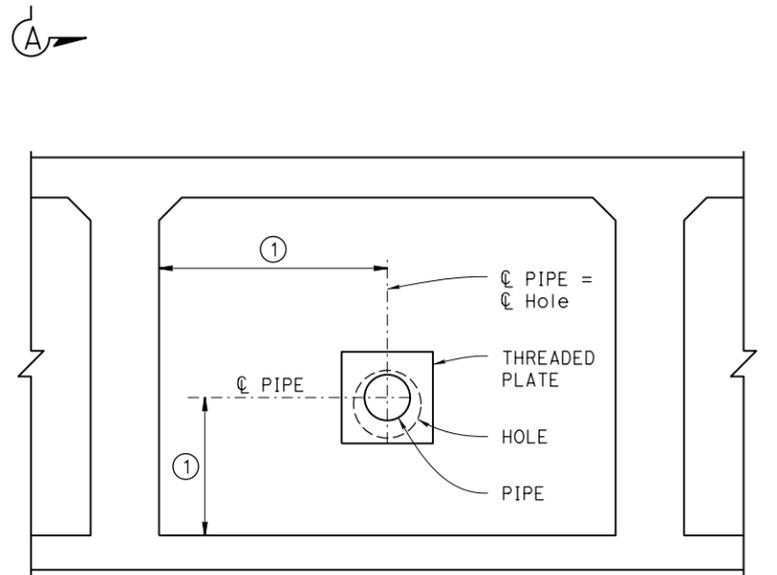
1/2" = 1'-0"

PIPE EXTENDER ELEVATION

1/2" = 1'-0"

Notes:

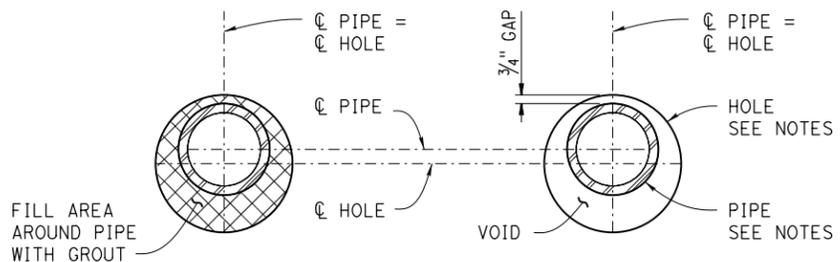
- The Hole must be aligned to form a straight line the entire length of the Pipe Extender. The Hole must be formed with the Top of Hole 2" below the seat's top main reinforcement. During construction hole ends must be capped to prevent debris intrusion.
- Pipe 8 xx-Strong Galv. pipe and 12" Ø Hole or Pipe 6 xx-Strong Galv. pipe and 10" Ø Hole. If Cable Restrainers are required, use Pipe 8 xx-Strong Galv. and see: xs7-070, "Pipe Extender/Shear Key With Restrainer Details (New)" sheets.
- Set pipe parallel to top of hole. Maintain a 3/4" gap between pipe and top of hole.
- Tightly wrap Hinge Seat side of pipe with 2 layers of 15 lbs building paper. Paper is to remain in place as a bond breaker.
- Thread Pipe and Plate: 8 threads per inch per ASME B 1.20.1. Thread pipe 12" on both ends.
- Apply Thread Locking System after grouting and tighten Threaded Plate snug against concrete surface, Hinge Seat side only.
- Reinforcement not shown.



VIEW A-A

3/4" = 1'-0"

1 For Location of pipe, see Structure Plans.



HINGE SEAT SIDE

SUPPORTED SIDE

SECTION B-B

SECTION C-C

1/2" = 1'-0"

1/2" = 1'-0"

BRIDGE STANDARD DETAILS

xs7-080 FILE NO.	July 2014 APPROVAL DATE	The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California.
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NOTES TO DESIGNER	-Adjust Hinge reinf to clear formed hole. -Place Pipe Extender between bearings.
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.	
POST MILE	
PIPE EXTENDER/SHEAR KEY DETAILS (NEW)	