Chapter 02 - Substructure

SECTION 05

BEARING PADS
(SUB-BP)
Anchor bolts shall be set in round holes drilled or cored into the masonry. The drilled or cored holes shall have a diameter of at least 1" larger than the diameter of the bolts. Holes shall be filled with nonshrink grout conforming to 902.11(c).

For size of pad see pertinent substructure sheets, if not available see note in plan above.

5. Space reinforcing steel to clear anchor bolts.
Anchor bolts shall be set in round holes drilled or cored into the masonry. For size of pad see pertinent substructure sheets, if not available see note in plan above.

**Notes:**
1. Anchor bolts shall be set in round holes drilled or cored into the masonry.
2. The drilled or cored holes shall have a diameter of at least 1" larger than the diameter of the bolts.
3. Holes shall be filled with nonshrink grout in accordance with 902.11(c) T-160.
4. For size of pad see pertinent substructure sheets, if not available see note in plan above.

**Slanted lettering indicates notes “For Office Use Only”.**

- For concrete surface preparation see 420.03.07(c).
- May be a roughened construction joint for pads with reinforcing. May be poured monolithically for pads up to 12" height.
- If this dimension is not shown on Contract Drawing it shall be established for the largest value necessary on a support to the nearest higher inch, and the same dimension used for every pad on that support.

**For anchor bolt dimensions and locations see bearing details.**

- 6" x 6" chamfer for all exterior bearing pads unless otherwise noted on plans.
- 2" x 2" chamfer for all interior bearing pads.

**Dimensions:**
- Pier Cap Width (See Note 6 below)
- L Stringer
- Outside face of pier cap.

**Elevation**
Scale: 1" = 1'-0"

5. Space reinforcing steel to clear anchor bolts, beyond what is required for design in order to provide the 6" x 6" chamfer, then the chamfer at the exterior pad will be the maximum which can be provided using the pier cap width required for design.
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

BEARING PAD (FOR SPECIAL PIERS) WHERE ONLY A SINGLE SHOE IS REQUIRED ON SUPPORT

EXTERIOR BEARING PAD
Scale: ½” = 1’-0”

INTERIOR BEARING PAD
Scale: ½” = 1’-0”

DETAIL NO. SUB-BP-102

APPROVAL
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OFFICE OF STRUCTURES
DIRECTOR