Chapter 02 - Substructure

SECTION 05

BEARING PADS
(SUB-BP)
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 nonshrinking grout conforming to 902.11(c).
4. For size of pad see pertinent substructure sheets, if not available see note in plan above.
5. Space reinforcing steel to clear anchor bolts.
A single shoe is required on support bearing pad (for special piers) where only substructure - bearing pad is required using the pier cap width required for design. If it is necessary to increase the pier cap width beyond what is required for design in order to provide the 6" x 6" chamfer, then the chamfer of the exterior pad will be the maximum which can be provided using the pier cap width required for design.

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.

5. Space reinforcing steel to clear anchor bolts.
6. If it is necessary to increase the pier cap width beyond what is required for design in order to provide the 6" x 6" chamfer, then the chamfer of the exterior pad will be the maximum which can be provided using the pier cap width required for design.
A single shoe is required on support bearing pad (for special piers) where only substructure - bearing pad.

**Plan**
- Exterior Bearing Pad:
  - Scale: $\frac{1}{2}'' = 1'-0''$
- Interior Bearing Pad:
  - Scale: $\frac{1}{2}'' = 1'-0''$

**Elevation**
- Top of Pier Cap:
- #5 Rebar
- 2'' $\pm$ 2''
- L of Pier Cap: 2'-1''
- L of Bridge and Pier Cap: 2'-1''
- 2'' $\pm$ 2''
- Scale: $\frac{1}{2}'' = 1'-0''$

**Detail No. SUB-BP-102**