# 3-7 PILE DESIGN DATA FORM (CSL)

**1 Foundation Testing**

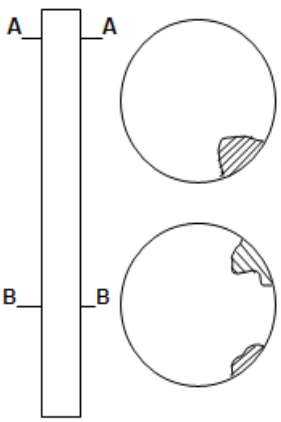
Name: FTB
Phone:
Date:

Anomaly Overview

Testing Performed X GGL X CSL

Pile Diameter: 8 ft

**Cutoff Elev: -29 ft**




**Section A-A**

Elev.: -32 ft to -34 ft

Up to 8.6% Affected

**Section B-B**

Elev.: -65 ft to -67 ft

Up to 8.0% Affected

**Tip Elev.: -113 ft**

Anomaly Description

**Section A-A**: Anomaly was detected in one (1) GGL inspection tube, and four (4) CSL tube pairs. May affect up to 8.6% of pile cross-section at this location.

**Section B-B:** Anomalies were detected in two (2) GGL inspection tubes, and three (3) CSL tube pairs. May affect up to 8.0% of pile cross-section at this location.

**2 Geotechnical**

Name: GS
Phone: Date

**As-Designed Resistance of Pile:**

Compression: _____ Tension: _____

GWT Elevation: _____

**Calculated Load at Section:**

**Section A-A**: Compression: _____ Tension: _____

Soil Type: _____

Pile is geotechnically ☐ Acceptable ☐ Unacceptable

**Section B-B**: Compression: _____ Tension: _____

Soil Type: _____

Pile is geotechnically ☐ Acceptable ☐ Unacceptable

Comments: _____

**3 Structural**

Name: SD
Phone: Date

**As-Designed Capacity of Pile:**

**Section A-A:** Shear: 1355 kips Moment: 23224 kip-ft

**Section B-B:** Shear: 1355 kips Moment: 23224 kip-ft

**Maximum Demand of Pile at Section: A-A**

Shear: 813 kips Moment: 21500 kip-ft

Pile is structurally ☐ Acceptable **X** Unacceptable

**Maximum Demand of Pile at Section: B-B**

Shear: 913 kips Moment: 13700 kip-ft

Pile is structurally **X** Acceptable ☐ Unacceptable

Comments: _____

**4 Corrosion**

Name: METS
Phone: Date

Consideration is ☐ Required ☐ Not required

For anomalies between the top of pile and 1 meter below the lowest possible groundwater surface, California Test Methods (CTM's) CTM 643 (Parts 2,3,4 and 6 only), CTM 417, CTM 422 are required to assess any proposed repair. For anomalies outside these limits, and where no stray current source can be identified, no consideration of corrosion potential is required.

Corrosion Potential at Section A-A: _____

Corrosion Potential at Section B-B: _____

Example