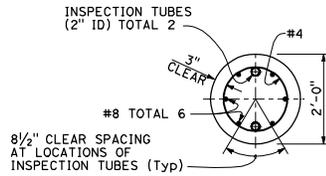
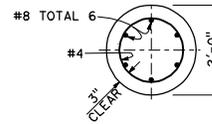


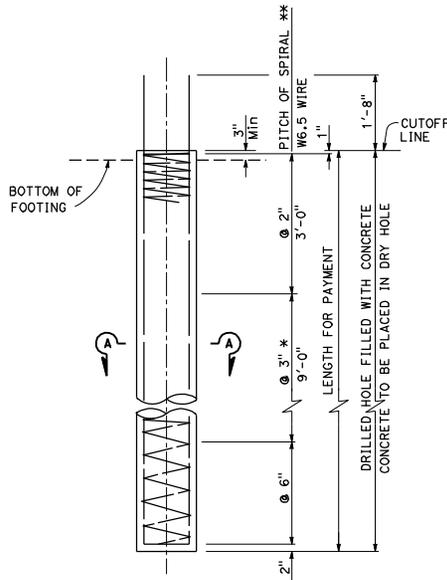
**SECTION A-A**



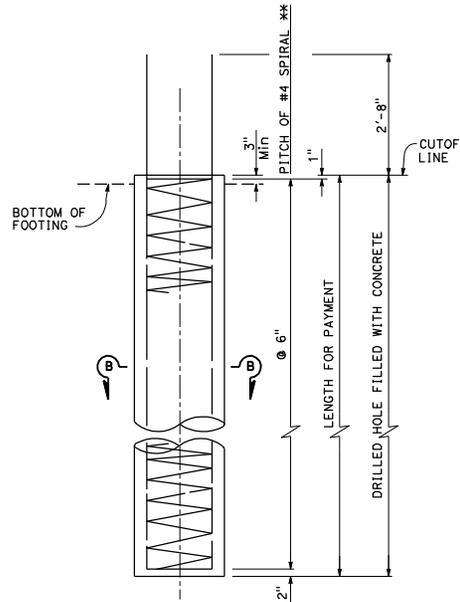
**SECTION B-B**  
(With Inspection tubes)



**SECTION B-B**  
(Without Inspection tubes)



**ELEVATION**  
**90 kip AND 140 kip**  
**DESIGN CAPACITY**



**ELEVATION**  
**200 kip**  
**DESIGN CAPACITY**

\* @ 2" at option of contractor  
 \*\* Extend at 2" pitch to top of anchor piles and load test piles.  
 For longitudinal reinforcement for anchor piles and load test piles,  
 see "Load Test Pile Details (2)", Standard Plan B2-10.

**NOTES:**

1. Reinforcement extending into footing shall be hooked as required to provide clearance to top of footing.
2. Lapped splices in spiral pile reinforcement shall be lapped at least 80 wire/bar diameters. Spiral pile reinforcement at splices and at ends shall be terminated with a 135° hook with a 6" tail hooked around a longitudinal bar.
3. Piles shall be extended only in accordance with details shown in the Project Plans.

**DESIGN NOTES:**

**REINFORCED CONCRETE**  
 $f_y = 60,000$  psi  
 $f'_c = 4,000$  psi

**DESIGN CAPACITY**

90 kip and 140 kip PILE

**COMPRESSION:**

140 kip (Service state)  
 280 kip (Nominal axial structural resistance)

**TENSION:**

56 kip (Service state)  
 140 kip (Nominal axial structural resistance)

200 kip PILE

**COMPRESSION:**

200 kip (Service state)  
 400 kip (Nominal axial structural resistance)

**TENSION:**

80 kip (Service state)  
 200 kip (Nominal axial structural resistance)

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**16" AND 24"**  
**CAST-IN-DRILLED-HOLE**  
**CONCRETE PILE**  
 NO SCALE

**B2-3**

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

REGISTERED CIVIL ENGINEER  
 Amir M. Malek  
 No. C62397  
 Exp. 9-30-11  
 CIVIL  
 STATE OF CALIFORNIA

May 20, 2011  
 PLANS APPROVAL DATE

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