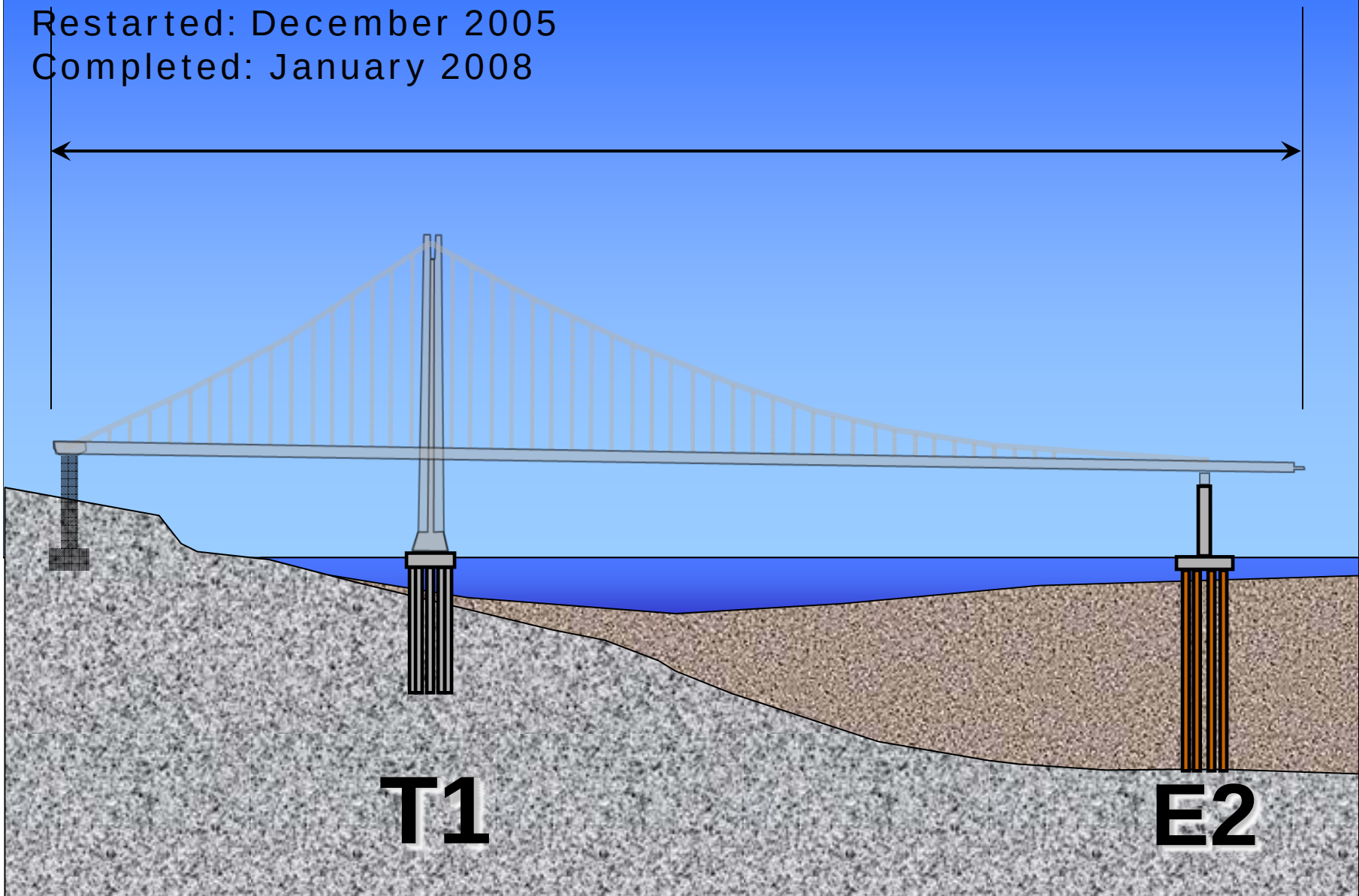
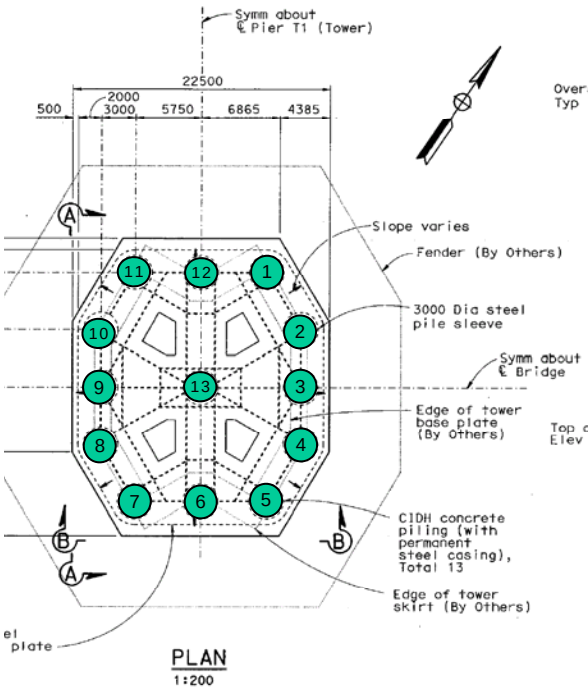
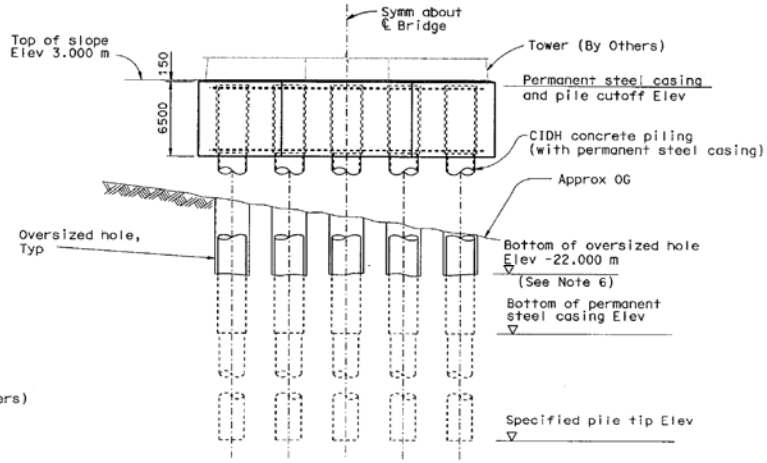
# T1/E2 Marine Foundation Contract

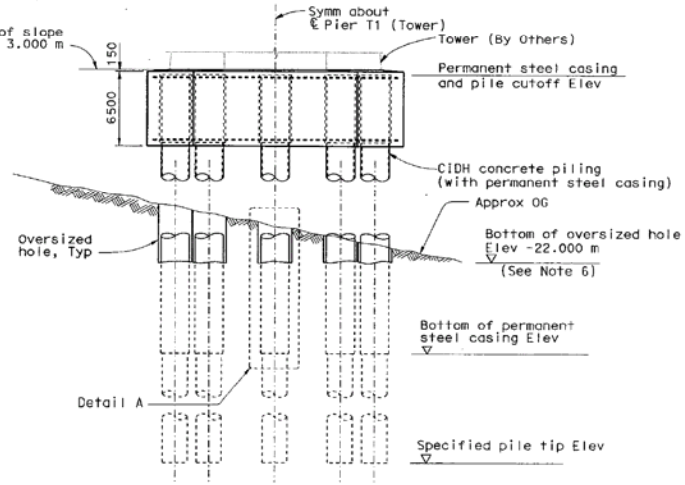
Contractor: Kiewit/FCI/Manson, JV
Awarded: April 2004
Restarted: December 2005
Completed: January 2008



# T1 LAYOUT




NOTES:

1. For footing details, see "Tower Footing Details" sheets.
2. For CIDH concrete piling (with permanent steel casing and rock socket), see "Pile Details No.1" sheet.
3. For pile cutoff elevation, bottom of permanent steel casing elevation, and specified tip elevation, see "Pile Data" sheet.
4. For tower base plate layout, see "Tower Anchorage Details" sheets.
5. For tower skirt details, see "Tower Skirt Details" sheets.
6. For oversized hole and isolation material layout, see "Tower Footing Layout No.2" sheet.
7. For Detail A, see "Tower Footing Layout No.2" sheet.
8. For interface details between tower footing and tower base plate, see "Tower Anchorage Details" sheets.
9. Shear keys at interface between pile cap and fender not shown for clarity. For details see "Tower Fender Details" sheets.
10. For drainage layout and details, see "Tower Drainage Details" sheets.
11. The entire 6.5 m deep pile cap is filled with concrete.

| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 04 | SF | 80 | 13.4,13.8 | 32 | 118 |

Caltrans Metric

REGISTERED ENGINEER - CIVIL
10-15-03
PLANS APPROVAL DATE
REGISTERED PROFESSIONAL ENGINEER GODWIN K. MOK No. C 54399 Exp. 12/3/03 CIVIL STATE OF CALIFORNIA

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

T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Y.L./M.L./F.C.

| | | | |
|---|---|---|---|
| DESIGN | BY G. Mok | CHECKED J. Krizek | |
| DETAILS | BY K. Tam | CHECKED J. Krizek | |
| QUANTITIES | BY G. Mok | CHECKED K. Cormier | |

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

BRIDGE NO. 34-0006L/R
KILOMETER POST 13.4/13.8

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE (E2&T1)
TOWER FOOTING LAYOUT NO.1

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 04
EA 0120E1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

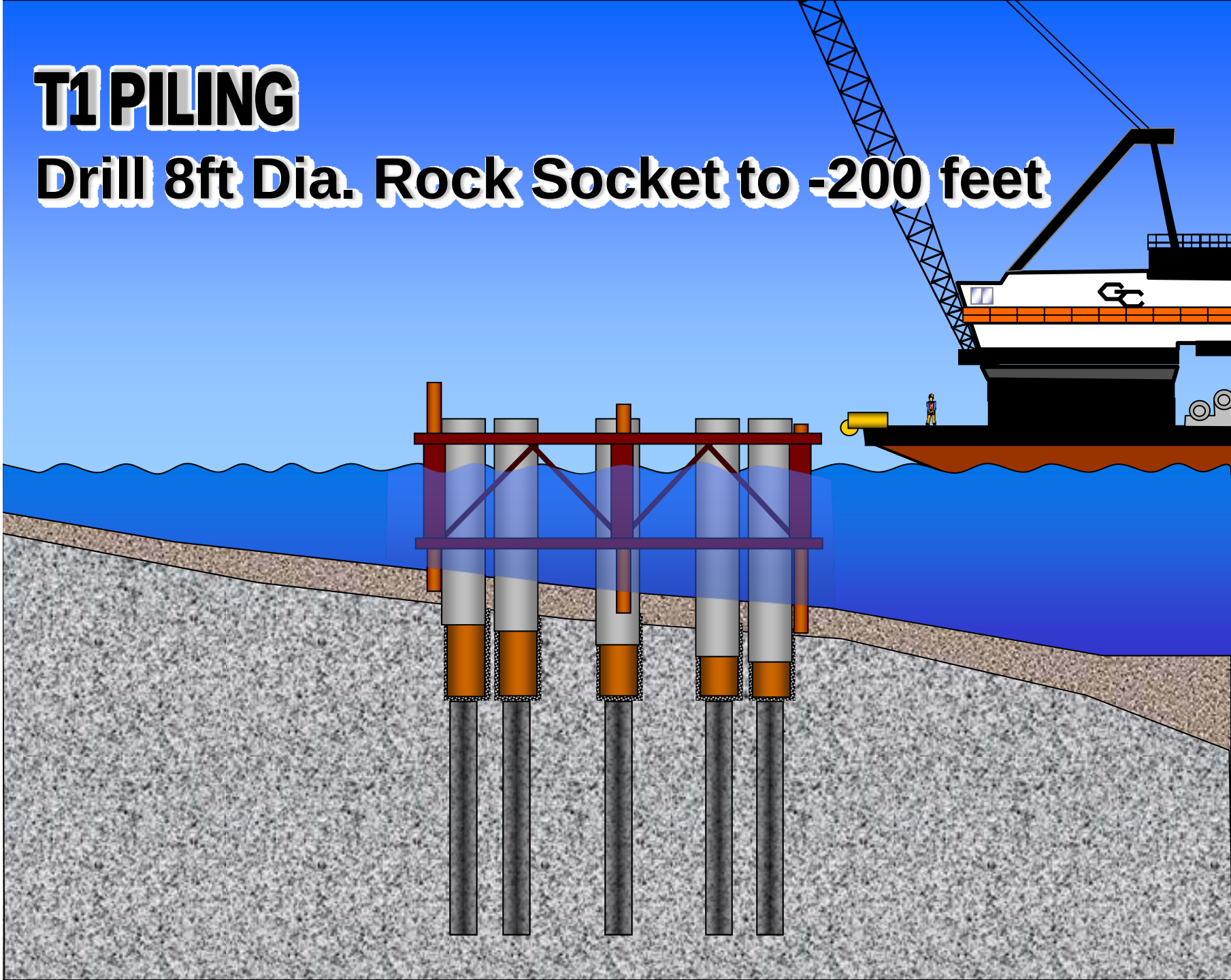
REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 016 OF

FILE => oeft101.dgn

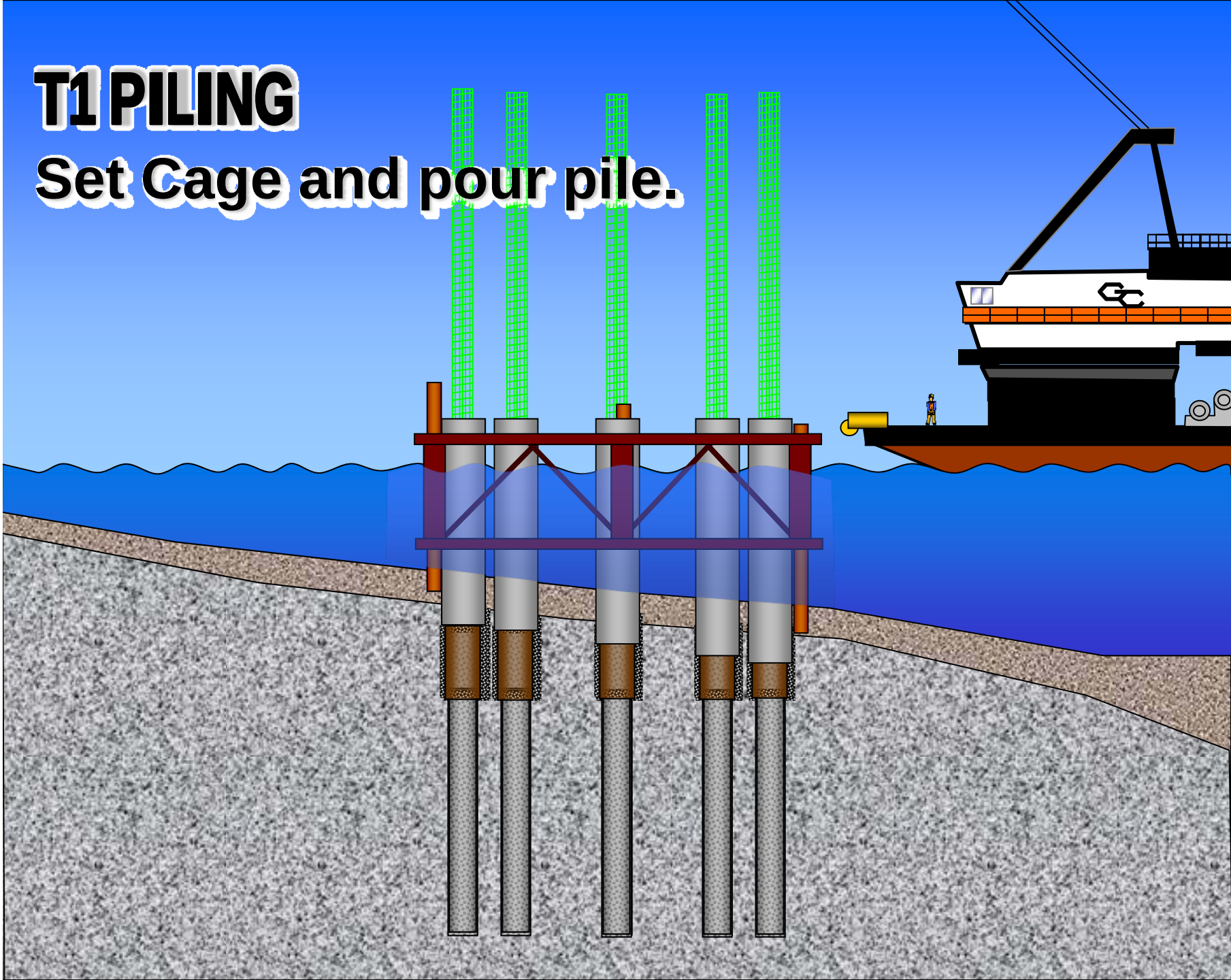
# T1 PILING

## Drill 8ft Dia. Rock Socket to -200 feet

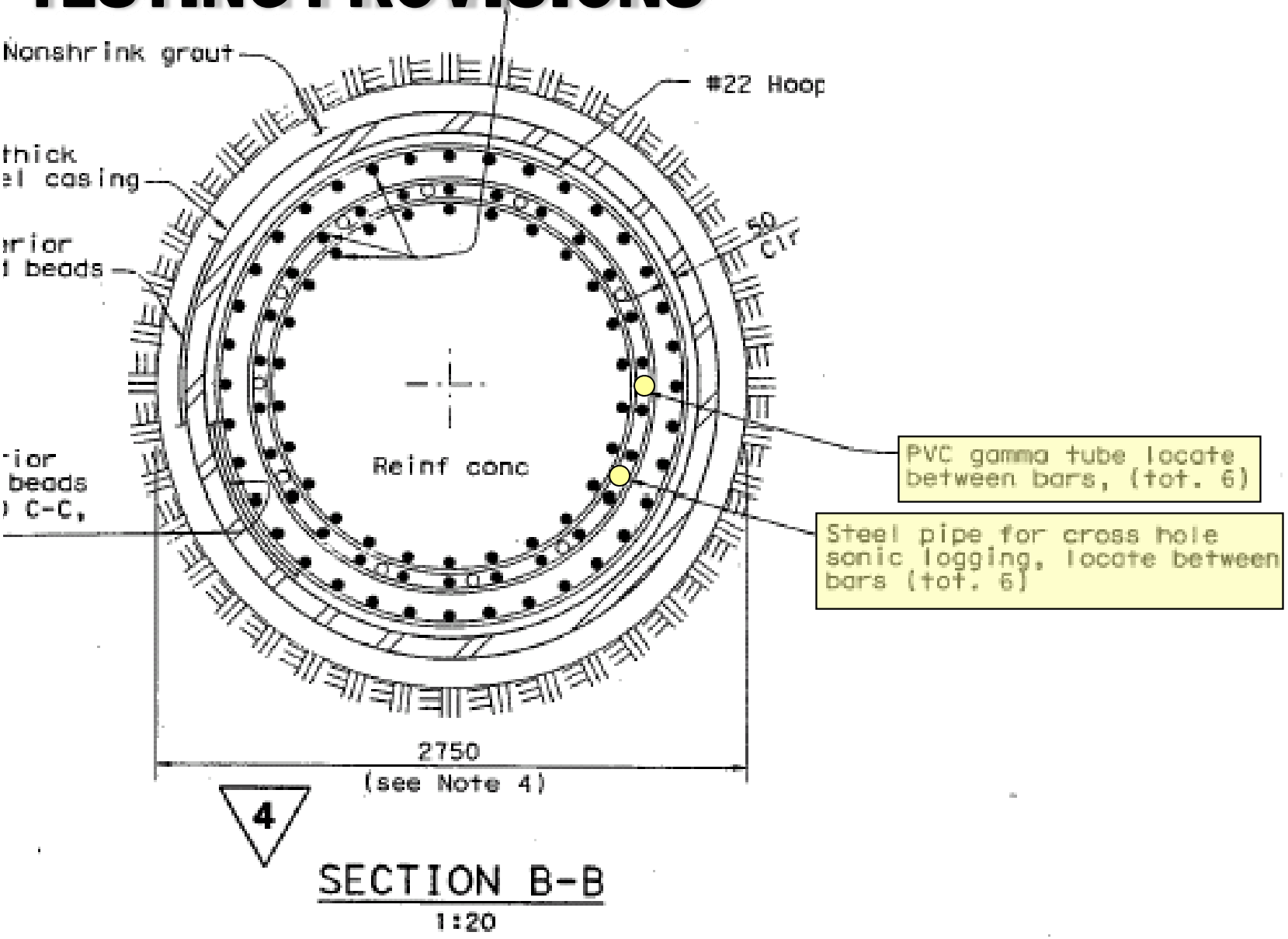


# T1 PILING

## Set Cage and pour pile.



# TESTING PROVISIONS



# Seismic Safety Peer Review Panel

- Chair Joseph Nicoletti, Structural Engineer
- Dr. Frieder Seible, Dean of the Jacobs School of Engineering at the University of California at San Diego
- Dr. I.M. Idriss, an independent consulting Geotechnical Engineer and Emeritus Professor of Civil Engineering at the University of California at Davis
- Dr. John Fisher, Professor Emeritus of Civil Engineering at Lehigh University and Director Emeritus of the ATLSS Engineering Research Center