GENERAL NOTES


PRESTRESSING STEEL

Bars - ASTM Designation A416 (270 ksi) (See Reduction deck)
FIL = Factored Test Load per anchor (Kips)

fpu = Minimum tensile strength of prestressing steel

As = Minimum cross sectional area of prestressing steel

As(Min) =

As(Min) =

TOTAL I

USER ROUTE

ARCHIVE

INCLINATION (°)

INCLINATION (°)

LEVEL

LEVEL

ANCHORAGE ENCLOSURE DETAILS

ANCHORAGE ENCLOSURE STEEL TUBE WITH THICKNESS = ¾”

Bearing E

ALTERNATIVE X

FACE OF CONCRETE WALL, MORTAR
PAD OR SUPPORT PLATE

SHEATHING ON STRAND

STEEL TUBE

ALTERNATIVE Y

FACE OF CONCRETE WALL, MORTAR
PAD OR SUPPORT PLATE

SHEATHING ON STRAND

STEEL TUBE

GROUND ANCHOR TENDON DETAIL (STRANDS)

GROUND ANCHOR TENDON DETAIL BAR(S)

NOTES:

1. Anchorage enclosure shall only be used when anchor head assembly is not enclosed in concrete.

2. Anchorage enclosure shall have provisions for easy injecting grout at low end and venting at high end, galvanize after fabrication.

3. Silicone sealant to cover full width of flange.

4. Steel tube (Min thickness = ¾”) welded to bearing plate. Galvanize assembly after fabrication

5. Steel tube welded to bearing plate, inside diameter of steel tube (Min thickness = ¾”) to be 1” greater than outside diameter of smooth sheathing

6. Galvanize assembly after fabrication

7. For other wall details, see PROJECT PLANS.

For inclination, see PROJECT PLANS

For unbonded length, see PROJECT PLANS

Phase 2

SUB HORIZONTAL GROUND ANCHOR DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

SUB HORIZONTAL GROUND ANCHOR DETAILS

NOTES:

/5" BOLT AND WASHER
GALVANIZED AND SEALANT,
SECURED BY EMBEDDED NUT;
AT CENTER OF ANCHOR HEAD

FACE OF CONCRETE WALL, MORTAR
PAD OR SUPPORT PLATE

Chapter 7

SEALANT (SEE NOTE 3)

E 3" M IN

FLANGE, Min THICKNESS = ¾ “

END OF STRANDS

1'-0 " Max

GROUT SEAL

SHEATHING ON STRAND

DRILLED HOLE

6"

6"

MIN LAP OF STEEL TUBE AND SMOOTH SHEATHING

MIN LAP OF STEEL TUBE AND SMOOTH SHEATHING

E 3" M IN

FLANGE, Min THICKNESS = ¾ “

END OF STRANDS

1'-0 " Max

GROUT SEAL

SHEATHING ON STRAND

DRILLED HOLE

6"

6"