

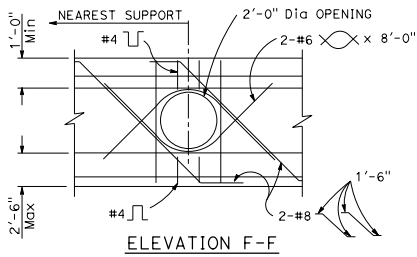
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Peter W. Norbo
REGISTERED CIVIL ENGINEER

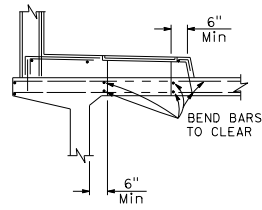
July 15, 2016
PLANS APPROVAL DATE

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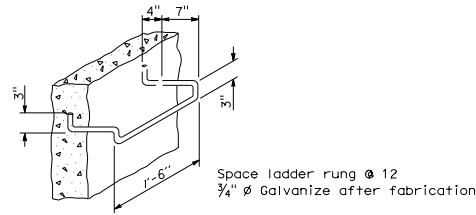
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
Peter W. Norbo
No. C57519
Exp. 12-31-17
CIVIL



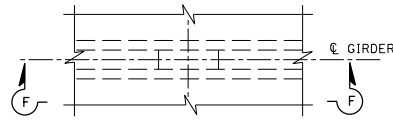
ELEVATION F-F



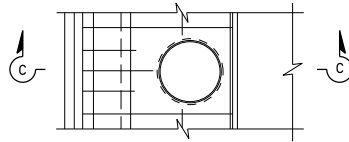
SECTION C-C



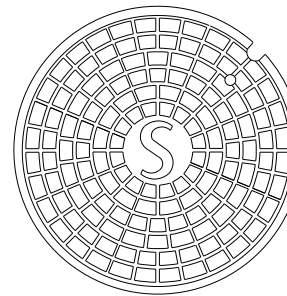
BAR STEP
LADDER RUNG DETAILS
DETAIL U44



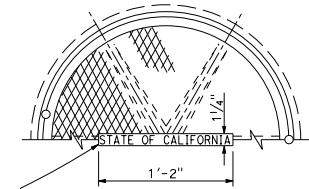
PART PLAN
GIRDER STEM ACCESS OPENING
DETAIL U41



PART PLAN
SIDEWALK ACCESS OPENING
DETAIL U42



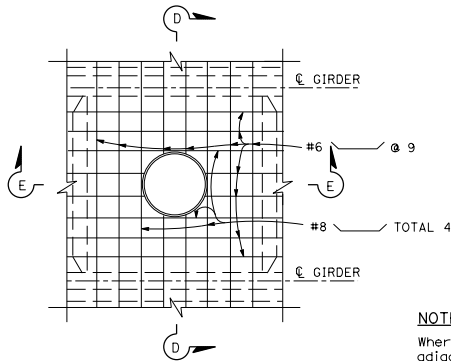
TOP OF MANHOLE COVER



TOP OF MANHOLE FRAME & COVER

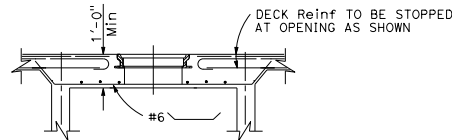
NOTES:

- For exact location of openings see other sheets.
- Location and size of manholes may be modified as directed by the Engineer, provided minimum dimensions are maintained.
- All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.

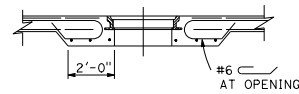


PART PLAN

DECK ACCESS OPENING
DETAIL U43

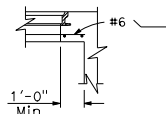


SECTION D-D

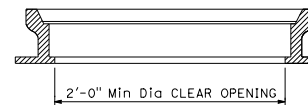


SECTION E-E

NOTE:
Where manhole is located adjacent to a diaphragm or abut, substitute half Section E-E on one side of Section E-E.



HALF SECTION E-E

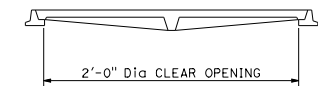


SECTION THROUGH FRAME

NON-ROCKING MANHOLE FRAME & COVER
FOR DECKS
DETAIL U45

NOTES:

- Step inserts may be substituted for the standard step detail. Step inserts shall comply with State Industrial Safety requirements.
- Covers for use on sewer structures shall bear the letter "S"; on storm drain structures the letter "D"; on openings for utilities the letter "U".



SECTION THROUGH FRAME & COVER

MANHOLE FRAME & COVER
FOR SIDEWALKS
DETAIL U46

NOTES:

- Frame and cover shall be cast iron.
- Cover shall be supplied with bolt down or locking devices.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
UTILITY DETAILS

NO SCALE

RSP B7-11 DATED JULY 15, 2016 SUPERSEDES STANDARD PLAN B7-11
DATED MAY 20, 2011 - PAGE 290 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B7-11

2010 REVISED STANDARD PLAN RSP B7-11