SURVEYED BY .....
SUPERVISED BY .....
DESIGNED BY .....

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
NEW 7/17/08	VA.		7		20(6)

TYPICAL 4'x6'x4' VAULT DETAIL LEVEL 3 AND XO

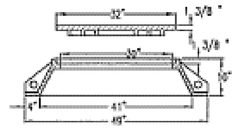
TYPICAL 4'x6'x4' MANHOLE DETAIL

MANHOLE COVER

VESTERN IRONWORKS #8-30

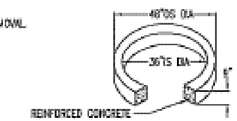
NOTE:

1. EACH COVER TO HAVE (4) PICK SLOTS FOR REMOVAL.
2. STAMP "WMFN" IN COVER.
3. ACCESS HOLE: 30"

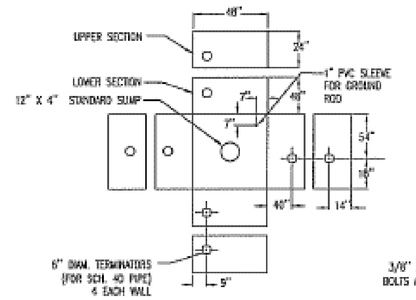


RING AND COVER DETAIL

RING WT.: 390 LBS. COVER WT.: 300LBS.



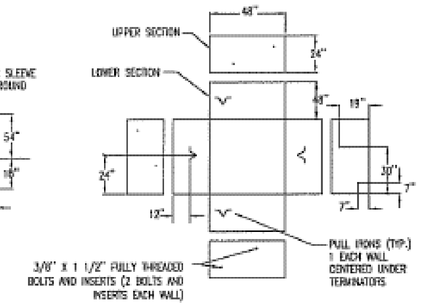
TYPICAL NECK EXTENSION DETAIL



MANHOLE 4'Lx6'Wx4'H

(2 SECTIONS)

PLAN VIEW: TERMINATORS, SUMP, & GROUND ROD SLEEVE



MANHOLE 4'Lx6'Wx4'H

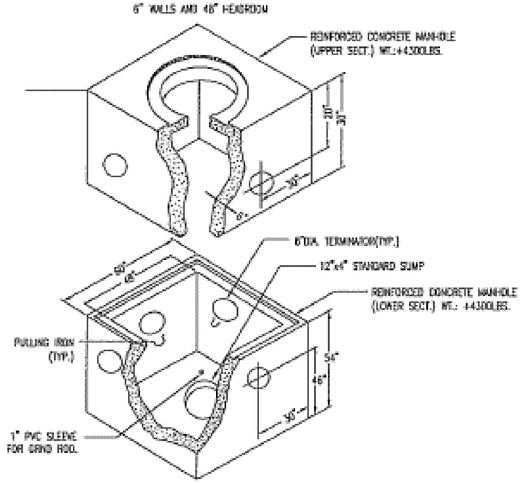
(2 SECTIONS)

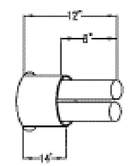
PLAN VIEW: BOLT INSERTS & PULL IRONS

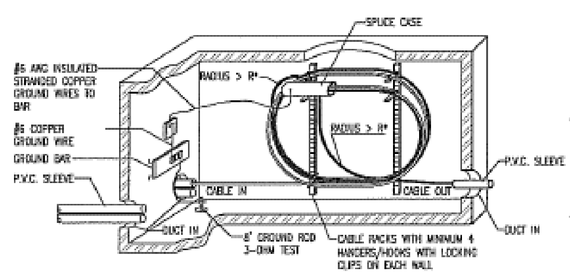
NOTE:
INSERT SPACING ARRANGED FOR FIBER OPTIC CABLE "3M" SPLICE CASE.

4'x6'x4' DALMORTH QUICKSET MANHOLE (OR 4'X6'X2' MANHOLE)

6" WALLS AND 48" HEADROOM



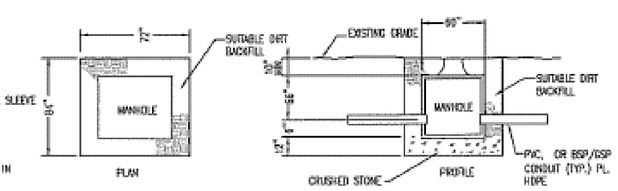




TYPICAL HANDHOLE WITH SPLICE COIL

CONSTRUCTION NOTES:

1. VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
2. BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (3/4" GRADE).
3. SHORING WILL BE REQUIRED.
4. ALL MANHOLES SHALL BE PLACED WITH COVER FLUSH WITH EXISTING GRADE.



EXCAVATION PIT

COMMONWEALTH OF VIRGINIA
DAVID JOHN MAHONEY
Lic. No. 020798
PROFESSIONAL ENGINEER

IN PROGRESS 10/07/08
NOT FOR CONSTRUCTION

UTILITY RELOCATION PLAN
4' X 6' X 4' VAULT DETAILS

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
			20(6)