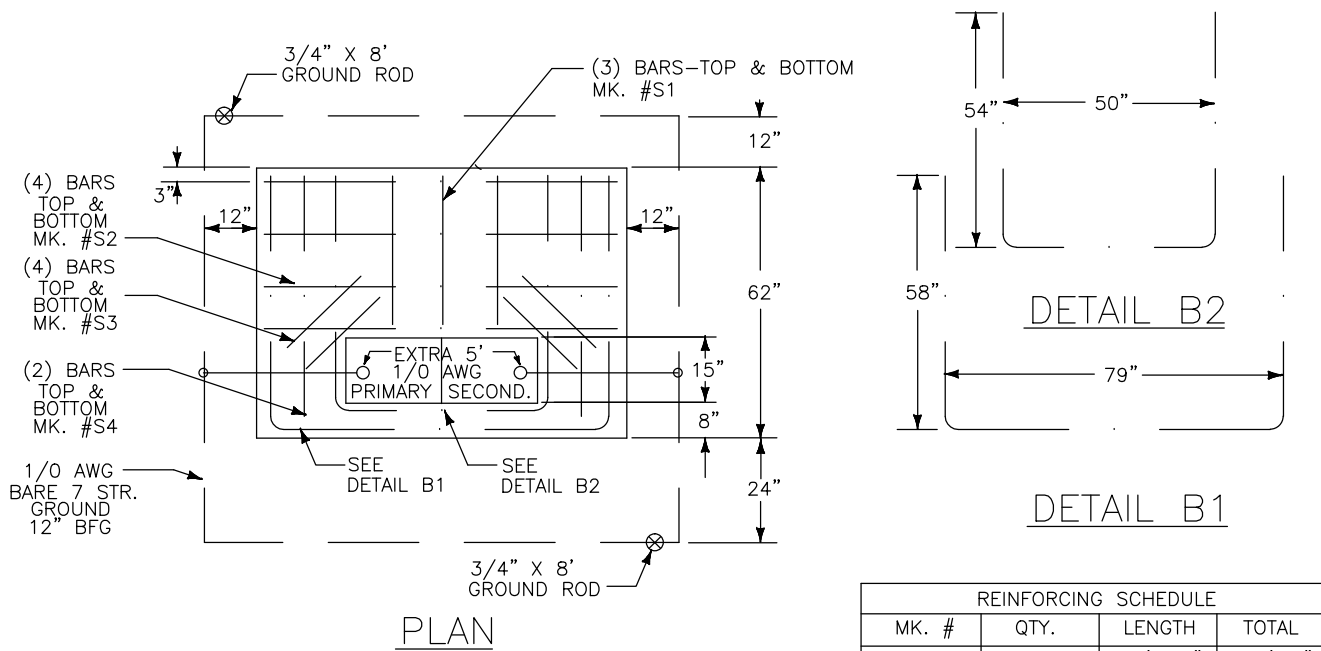


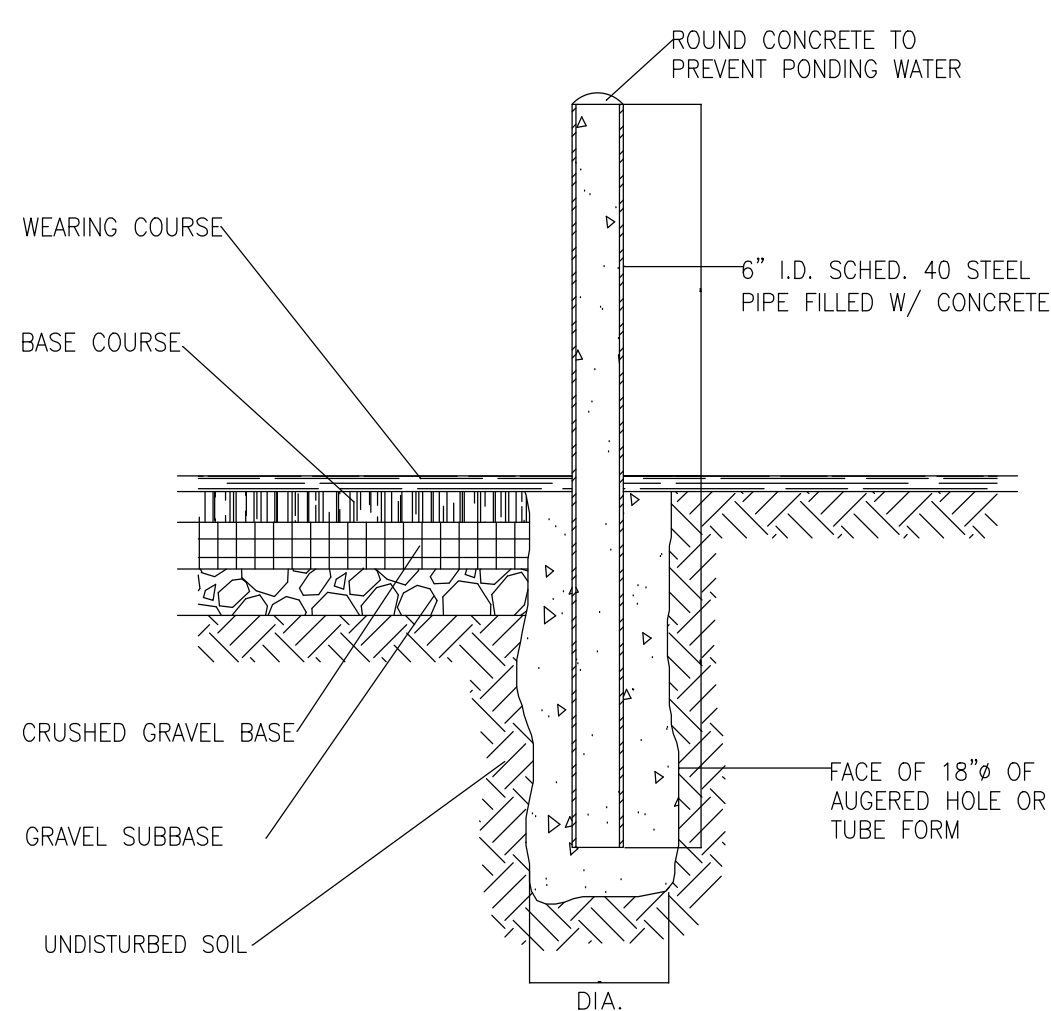
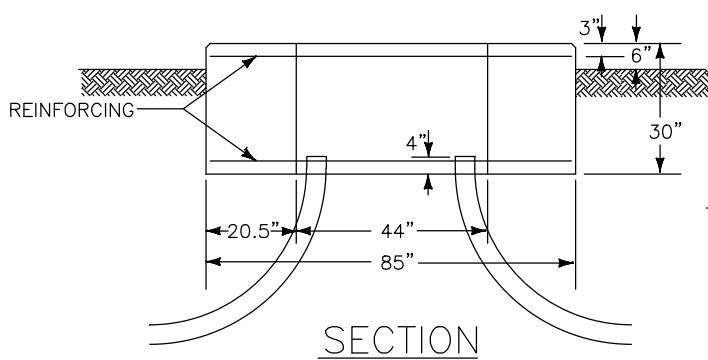


MK. #	QTY.	LENGTH	TOTAL
S1	6	2'-11"	17'-6"
S2	8	6'-9"	54'-0"
S3	8	2'-0"	16'-0"
S4	4	4'-9"	19'-0"
B1	2	16'-3"	32'-6"
B2	2	13'-2"	26'-4"

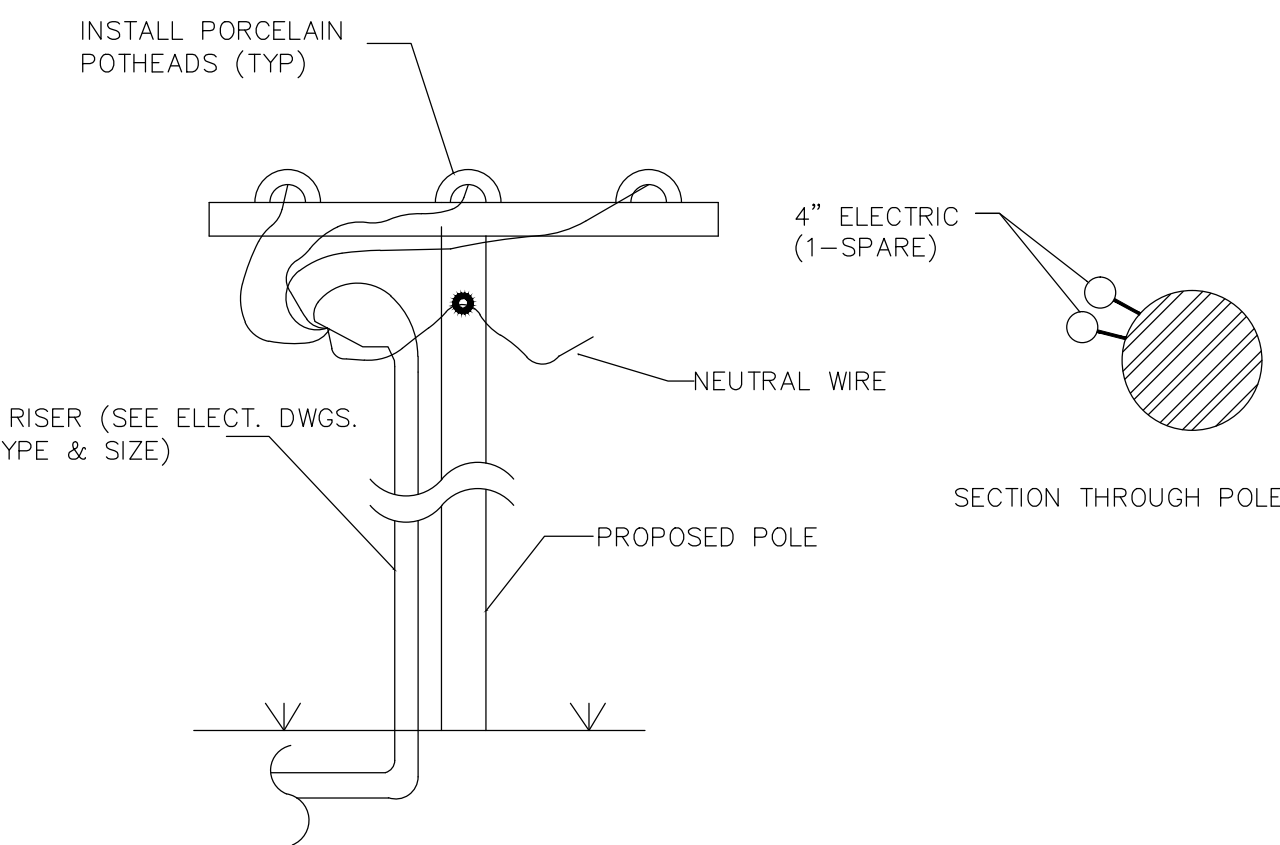
NOTES

- FOUNDATION CONCRETE TO CONFORM TO UTILITY COMPANY STANDARDS. ALL EXPOSED EDGES OF FOUNDATION TO HAVE 3/4" CHAMFER.
- ALL REINFORCING TO BE #4 GRADE 60 BARS, CONFORMING TO ASTM STD. #A-615. KEEP REINFORCING MIN. 3" FROM FACE OF CONCRETE.
- FOUR FOUNDATION ON 12" DEEP BED OF WELL COMPACTED GRAVEL, EXTENDING 12" BEYOND ALL EDGES OF FOUNDATION.
- GROUND RODS TO BE 3/4" x 8" GALVANIZED STEEL, LEAVE 5' EXTRA GROUND CABLE AT (2) LOCATIONS IN CONDUIT OPENINGS.
- CONDUIT SWEEPS SHALL BE GALVANIZED RIGID STEEL, 36" RADIUS.
- COORDINATE THE ABOVE FOUNDATION WITH SITE DEVELOPMENT PLAN TO INCLUDE SPACE FOR MAIN SECONDARY SERVICE SWITCH, METER BASES AND ASSOCIATED INDIVIDUAL PROTECTION, ROADWAY LIGHTING PANEL AND RELATED DISCONNECT SWITCH, METER AND CONTROL CONTACTOR.
- CONTRACTOR SHALL PROVIDE BLOCK OR CONCRETE ENCLOSURE AROUND UTILITY TRANSFORMER WITH THE APPROVED CLEARANCES AS PER UTILITY COMPANY'S STANDARDS AND DETAILS. PROVIDE LOCKED ACCESS GATES AS REQUIRED.

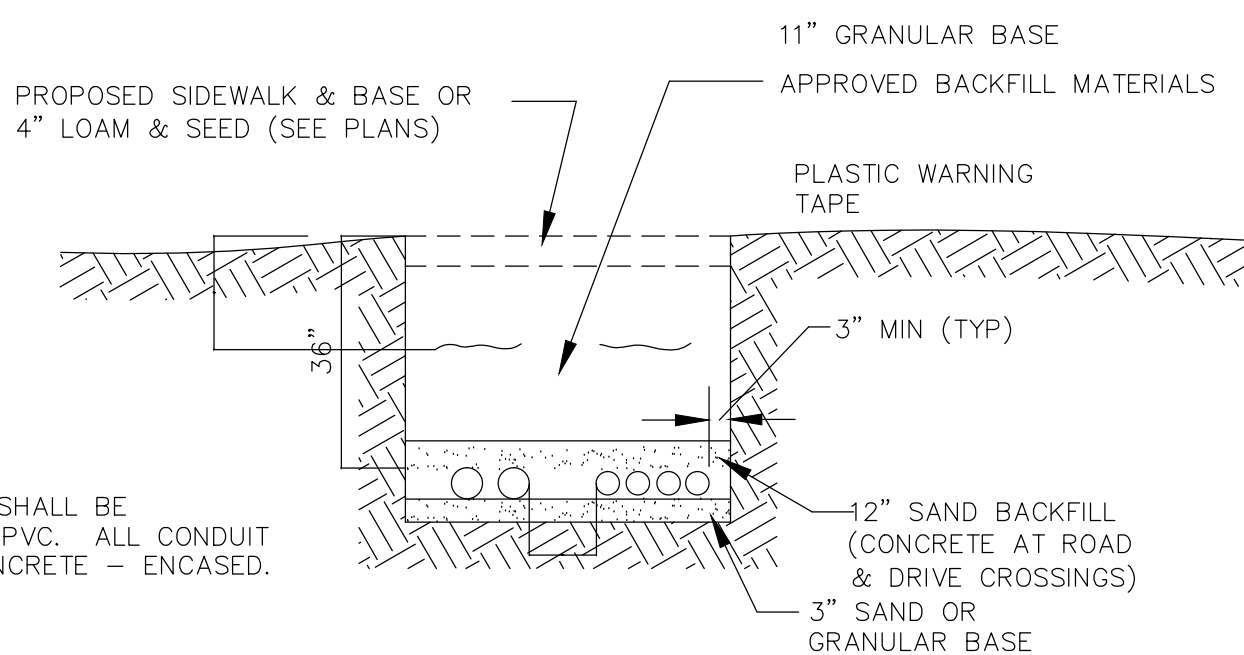
1 TRANSFORMER FOUNDATION DETAIL
E3.0 SCALE: NONE



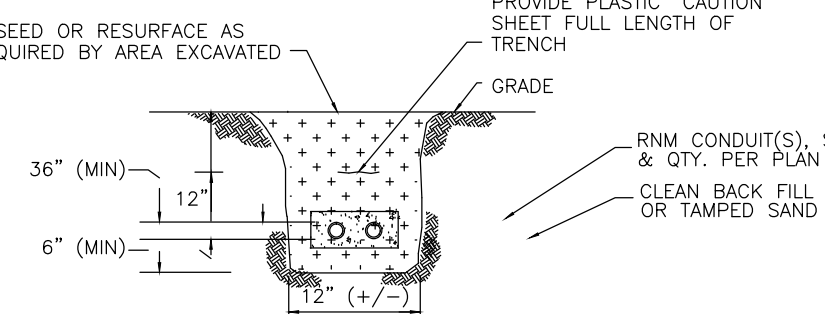
2 STEEL PIPE BOLLARD (AS REQUIRED)
E3.0 SCALE: NONE



3 ELECTRICAL RISER DETAIL
E3.0 SCALE: NONE



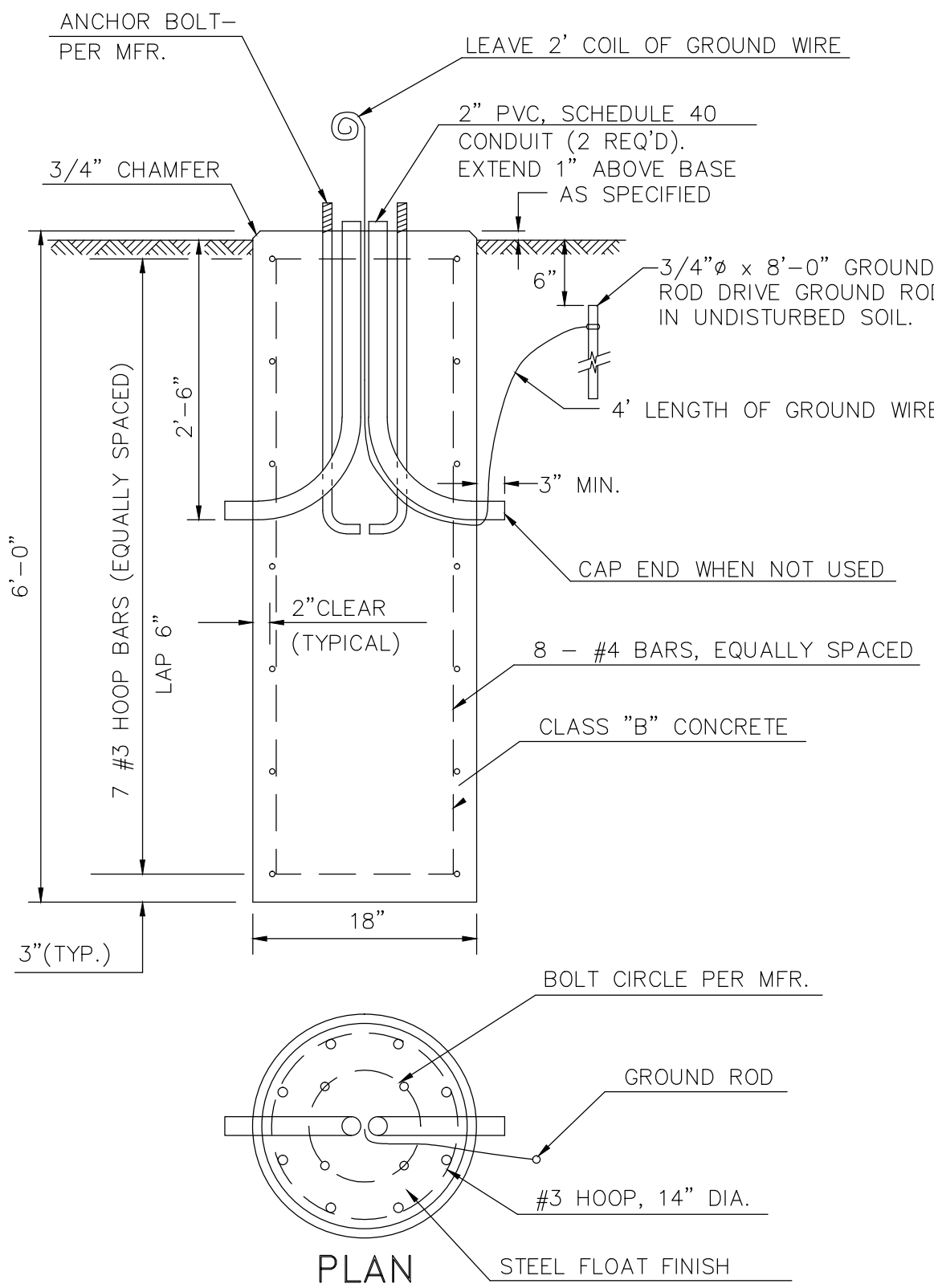
4 CONDUIT TRENCH DETAIL
E3.0 SCALE: NONE



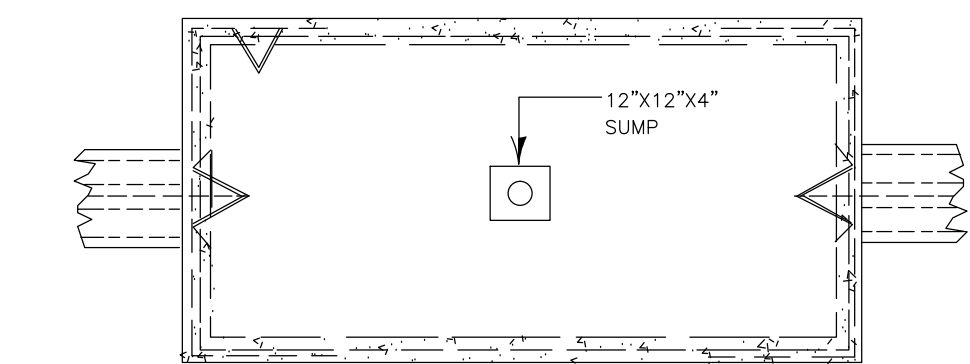
5 PRIMARY FEEDER TRENCH DETAIL
E3.0 SCALE: NONE

LIGHTING BASE NOTES:

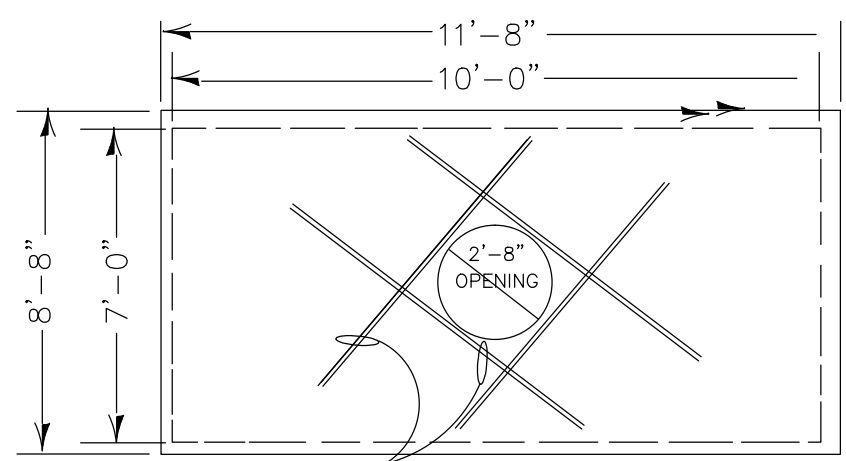
- ALL BASES SHALL BE BACKFILLED WITH GRANULAR BACKFILL (GRAVEL) CONFORMING TO SECTION 209.
- ALL BASES SHALL BE PRECAST OR CAST IN PLACE - SEE SECTION 625. CAST IN PLACE BASES SHALL BE FORMED FOR THE TOP 3 FEET.
- REINFORCEMENT SHALL CONFORM TO SECTION 544.
- ANY ANCHOR BOLTS DAMAGED DURING INSTALLATION SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER.
- UPON INSTALLATION, ANCHOR BOLT THREADS SHALL BE CLEANED WITH A WIRE BRUSH.



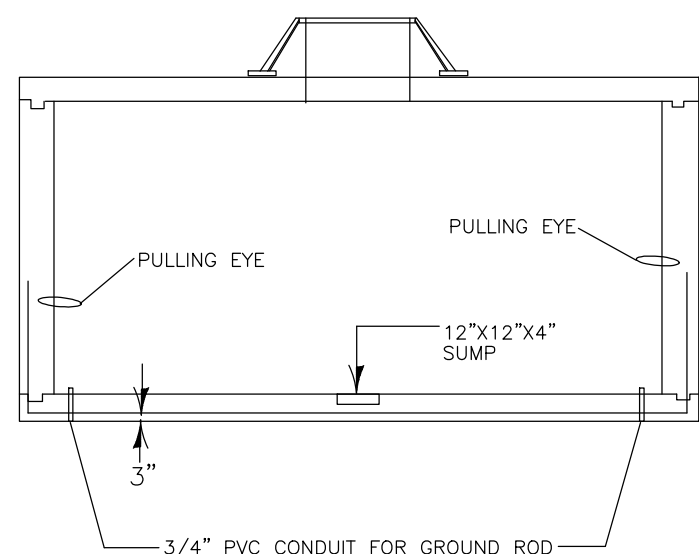
6 LIGHT POLE BASE DETAIL
E3.0 SCALE: 1" = 1'-0"



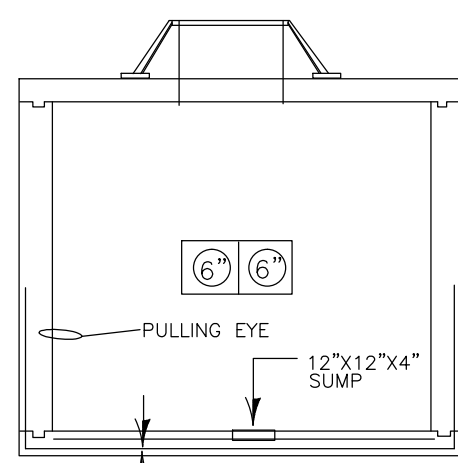
7A TOP VIEW - MANHOLE OPENING
3.0 SCALE: NONE



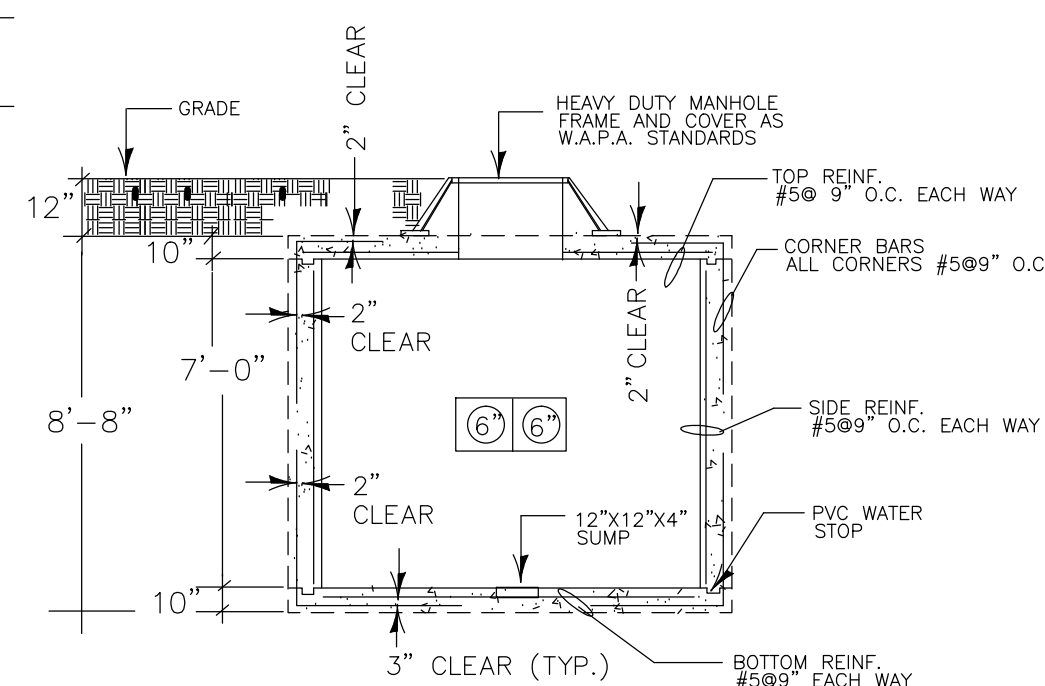
7B PLAN VIEW - CONSTRUCTION DETAILS
3.0 SCALE: NONE



7C INSIDE VIEW - LONG SIDE
E3.0 SCALE: NONE



7E INSIDE VIEW - SHORT SIDE
E3.0 SCALE: NONE



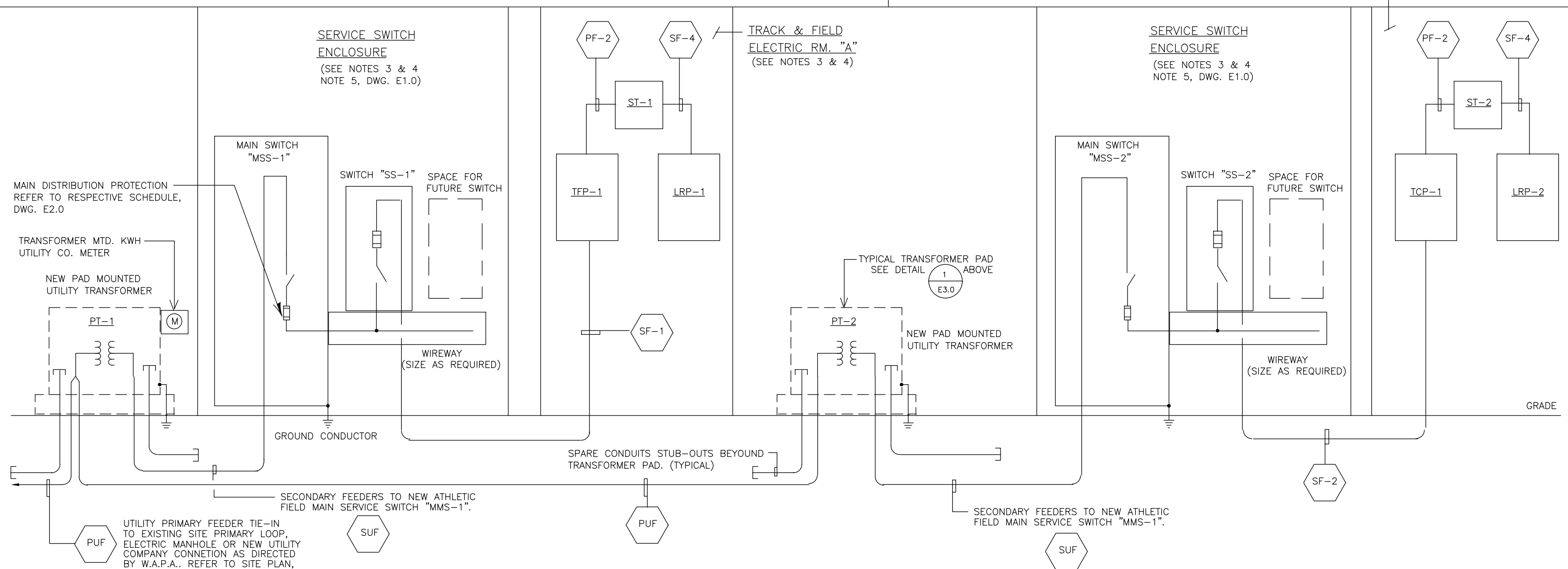
7D SIDE VIEW - CONSTRUCTION DETAILS
E3.0 SCALE: NONE

C. MANHOLES

- ALL CONCRETE SHALL BE 3000 P.S.I. STRENGTH TESTED.
- UNDERGROUND DUCTBANK SHALL CLEAR ALL EXISTING DUCTS, PIPING, ETC.
- EXACT LOCATION OF MANHOLES SHALL BE DETERMINED AND COORDINATED AND SHALL CLEAR ALL EXISTING UNDERGROUND UTILITIES.
- MANHOLE LOCATIONS SHALL BE APPROVED BY V.I.W.A.P.A. BEFORE PURCHASE AND INSTALLATION.
- MANHOLE FRAME AND COVER SHALL BE HEAVY DUTY TYPE FOR H-20 HIGHWAY LOADING AND MARKED "ELECTRIC".
- INSTALL A 3/4" DIAMETER X 10'-0" LG COPPERWELD GROUNDROD IN ONE CORNER OF EACH MANHOLE.
- ALL CONDUIT SHALL BE LIGHT WALL PVC. PROVIDE END BELLS WHERE CONDUITS ENTER MANHOLES.
- CONDUITS ENTERING MANHOLES SHALL BE A MINIMUM OF 12" CLEAR OF FLOOR.
- DUCT BANK SHALL BE INSTALLED AS PER DETAILS WITH A MINIMUM COVER OF 36 INCHES BELOW FINISHED GRADE.
- ANY RE-ARRANGEMENT OF DUCT BANK DETAILS SHALL BE APPROVED BY V.I.W.A.P.A.
- MANHOLE INSIDE DIMENSIONS SHALL BE 10' X 7' X 7', WITH A MANHOLE OPENING OF 38 INCHES. ANY CHANGES IN THESE DIMENSIONS SHALL BE APPROVED BY V.I.W.A.P.A.
- WATERPROOF MANHOLE INSIDE SURFACES WITH VULKEM THREE-LAYER SYSTEM. (VULKEM 171, VULKEM 450 AND VULKEM 451).
- MANUFACTURER SHALL BE _____ OR APPROVED EQUAL.
- PROVIDE SMALLER HANDHOLES AS REQUIRED AND SHOWN ON PLAN TO INDIVIDUAL LIGHTING POLE STRUCTURES. HANDHOLES SHALL MATCH W.A.P.A.'S MANHOLE DESIGN STANDARDS.

V.I.W.A.P.A.'S TYPICAL ELECTRICAL MANHOLE DETAILS

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE A/E CANNOT GUARANTEE AGAINST HUMAN ERROR. THE CONTRACTOR ON THE JOB MUST CHECK ALL DIMENSIONS, DETAILS, AND THE CONSTRUCTION SITE AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES NOTED ON THE DRAWINGS OR IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE A/E IS NOTIFIED.



10 SINGLE-LINE DIAGRAM
E3.0 SCALE: NONE

SINGLE-LINE DIAGRAM NOTES

- REFER TO DRAWING E0.0 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO DRAWING E1.0 FOR SITE PLAN AND REFERENCED SITE DETAILS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE FOUR (4) 2-LAMP INDUSTRIAL TYPE LIGHTING FIXTURES IN EACH ELECTRIC ROOM WITH 1-POLE WALL SWITCHES AT DOOR (S), CONNECT TO RESPECTIVE ROOM "LRP" ASSIGNED CIRCUITS IN RESPECTIVE PANELBOARD, REFER TO SCHEDULE ON DRAWING E2.0. LIGHTING MANUFACTURER SHALL BE CRESCENT, CAT. NO. SCF240-ASYF48
- ELECTRICAL CONTRACTOR SHALL PROVIDE FOUR (4) GROUNDED TYPE DUPLEX RECEPTACLES IN ELECTRIC ROOM, CONNECT TO ASSIGNED BRANCH CIRCUITS IN RESPECTIVE "LRP" PANELBOARD, REFER TO SCHEDULE ON DRAWING E2.0 AND ELECTRICAL SPECIFICATIONS FOR MANUFACTURER.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE A/E CANNOT GUARANTEE AGAINST HUMAN ERROR. THE CONTRACTOR ON THE JOB MUST CHECK ALL DIMENSIONS, DETAILS, AND THE CONSTRUCTION SITE AND BE RESPONSIBLE FOR SAME.

REVISIONS	REMARKS	DATE	NO.

RISER & WIRING DIAGRAM AND DETAILS

PROPOSED BATHROOM & CONCESSION BUILDINGS
FOR: LEHA TRACK & FIELD ATHLETIC FACILITY
OWNER: VIRGIN ISLANDS DEPARTMENT OF EDUCATION
No. 172 ESTATE NAZARETH
ST. THOMAS, USVI

DRAWN BY: H.A.P.

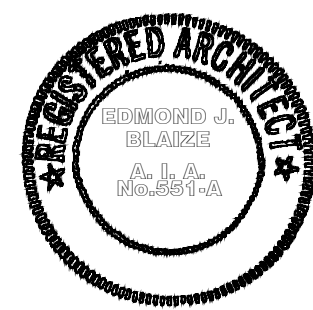
CHECKED BY: EB

APPROVED BY: EB

CONTRACT NO.:

PROJECT NO.:

DATE: MAY 27, 2016



SHEET NO.:

E3.0

SHEET NO. OF 28 SHEETS

RELEASED FOR CONSTRUCTION