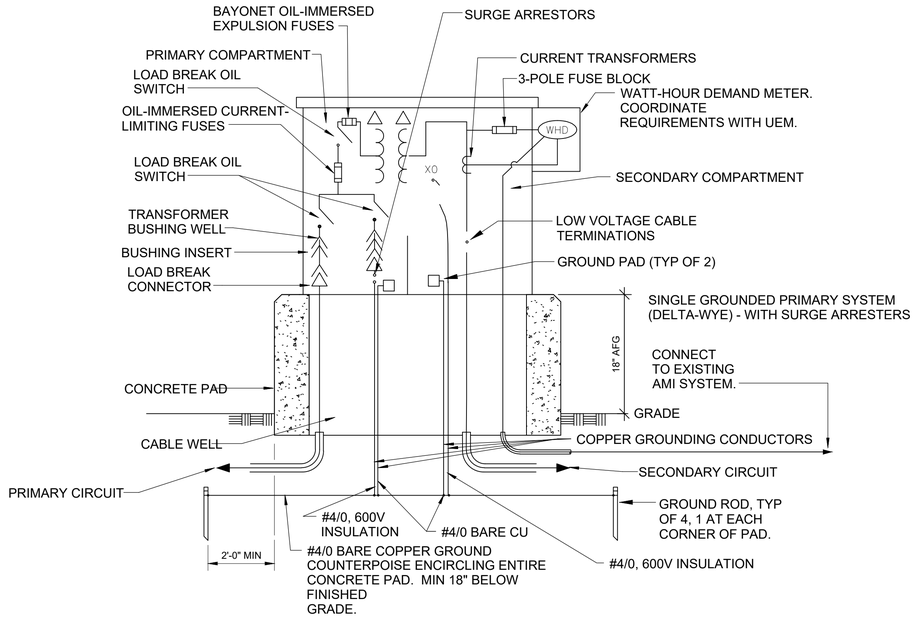
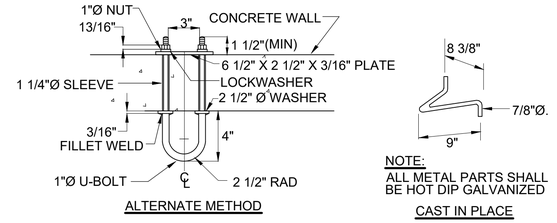
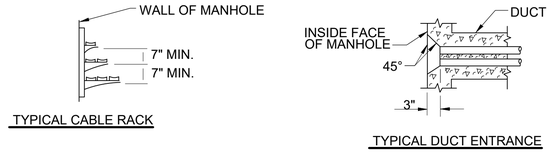


C1 THREE PHASE PAD-MOUNTED TRANSFORMER

NOT TO SCALE

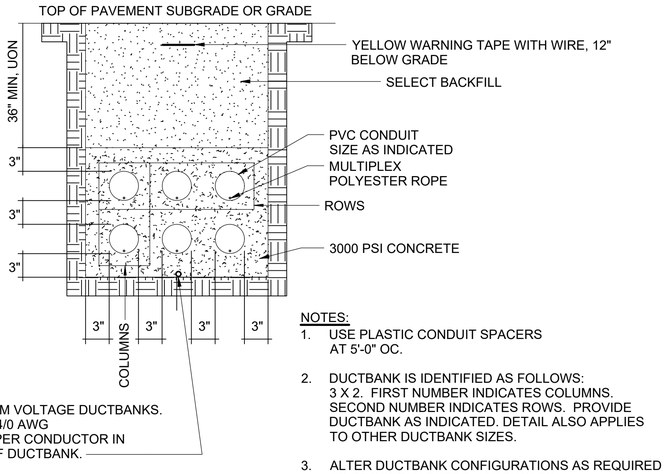


DETAIL OF PULLING-IN IRON



C3 PULLING-IN IRONS, CABLE RACK AND DUCT ENTRANCE

NOT TO SCALE

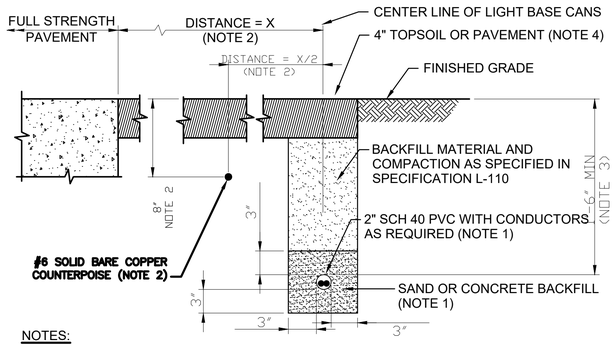


NOTES:

1. USE PLASTIC CONDUIT SPACERS AT 5'-0" OC.
2. DUCTBANK IS IDENTIFIED AS FOLLOWS: 3 X 2. FIRST NUMBER INDICATES COLUMNS. SECOND NUMBER INDICATES ROWS. PROVIDE DUCTBANK AS INDICATED. DETAIL ALSO APPLIES TO OTHER DUCTBANK SIZES.
3. ALTER DUCTBANK CONFIGURATIONS AS REQUIRED TO PROPERLY ENTER HANDHOLES.

A1 TYPICAL CONCRETE ENCASED DUCT BANK

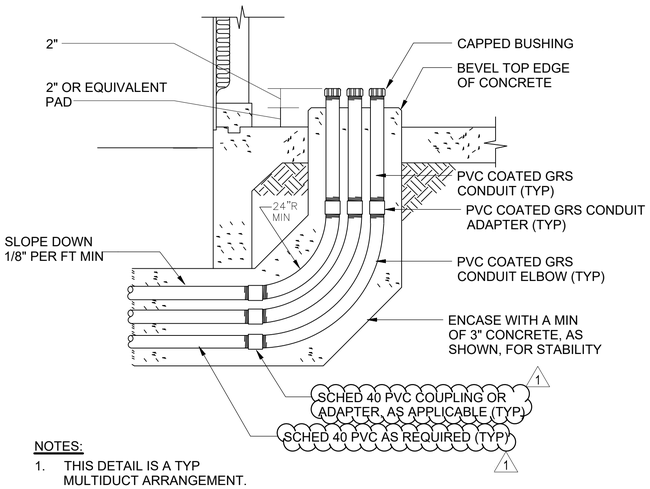
NOT TO SCALE



NOTES:

1. SEE PLANS FOR NUMBER OF CONDUITS TO BE PROVIDED WHERE DUCTS ARE UNDER FULL STRENGTH PAVEMENT. WHERE TWO OR MORE CONDUITS ARE INSTALLED IN ONE TRENCH, PROVIDE PLASTIC CONDUIT SPACERS AT 5' OC LONGITUDINALLY TO ENSURE UNIFORM SPACING BETWEEN CONDUITS. ENSURE SPACERS ARE SECURED IN TRENCH TO PREVENT MISALIGNMENT. CONDUITS MAY BE SPACED VERTICALLY OR HORIZONTALLY. SPACING BETWEEN CONDUITS SHALL BE 3" MINIMUM WITH A 3" THICKNESS OF CONCRETE SURROUNDING THE GROUP OF CONDUITS AS SHOWN. PROVIDE MINIMUM CONDUIT SLOPE OF 0.5 PERCENT WHERE POSSIBLE.
2. ENSURE COUPLINGS OF ADJACENT CONDUITS ARE STAGGERED A MINIMUM OF 12" APART FOR CONDUITS 2" DIAMETER OR SMALLER AND 24" APART FOR CONDUITS LARGER THAN 2" DIAMETER.
3. ENSURE ALL EMPTY DUCTS OVER 15' IN LENGTH ARE PROVIDED WITH A 200 LB. TENSILE STRENGTH POLYPROPYLENE PULL ROPE.
4. CONDUITS MAY BE PLACED IN A SINGLE LAYER WHEN NECESSARY TO MEET VERTICAL CLEARANCES.

A3 TYPICAL EDGE CONDUIT DUCTBANK



NOTES:

1. THIS DETAIL IS A TYP MULTIDUCT ARRANGEMENT.

A4 TYPICAL CONCRETE ENCASED DUCT BANK RISER

SYM	DESCRIPTION	DATE	APPR
1	AMENDMENT 005	04/15/2023	
0	ISSUE FOR CONSTRUCTION	9/26/2022	

NAVFAC

COMMONWEALTH OF VIRGINIA
JIMMY CLARK HIGGINS
Lic. No. 0402057076
9/26/2022
PROFESSIONAL ENGINEER
SEAL

Wiley|Wilson | BURNS MCDONNELL
JOINT VENTURE

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JCH | DRW JCH | CHK PO

PMDM

BRANCH MANAGER

CHIEF ENG/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD

NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
WASHINGTON, DC

JOINT BASE ANDREWS NAVAL AIR FACILITY
CAMP SPRINGS, MD

P-3002 RELOCATE HAZARDOUS CARGO PAD AND EOD PROFICIENCY RANGE

ELECTRICAL DETAILS

SCALE: AS NOTED

EPROJECT NO.: 1396650

CONSTR. CONTR. NO. N40080-15-D-0452

NAVFAC DRAWING NO. 13132535

SHEET 190 OF 212

E-504

DRAWFORM REVISION: 06 APRIL 2017