

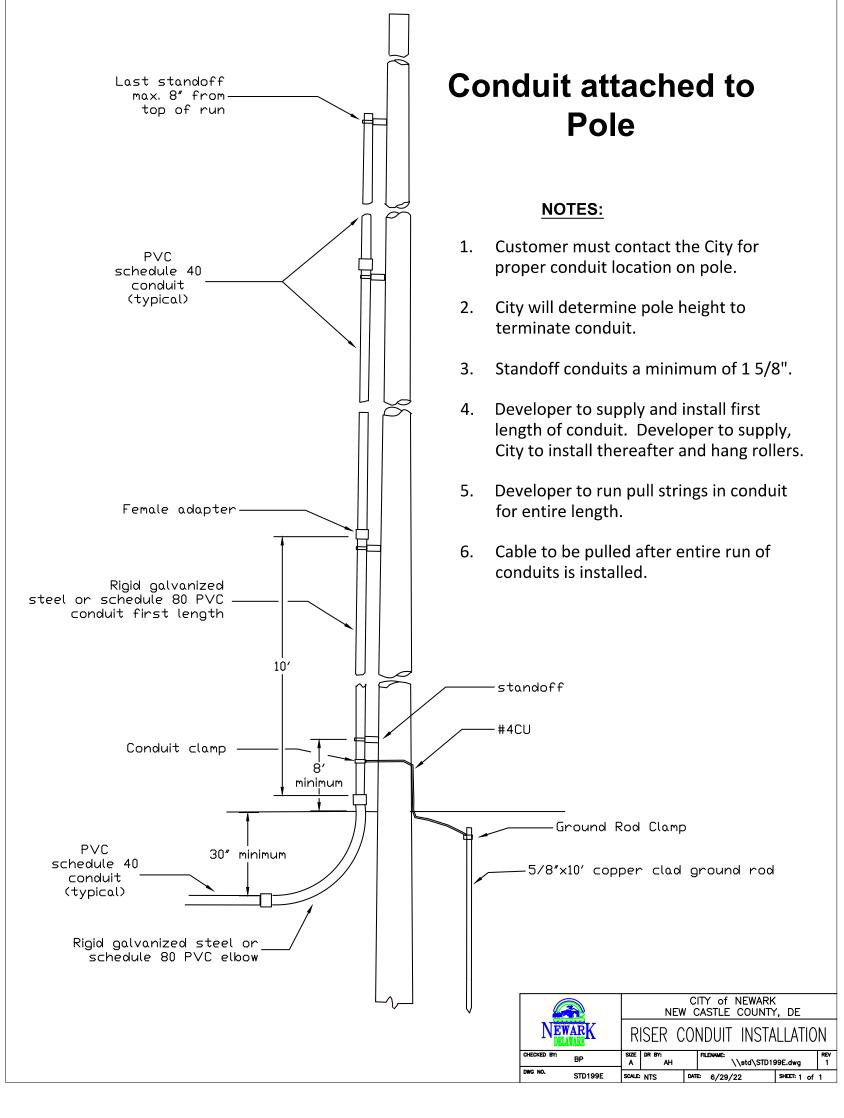
physically above the copper conductors.

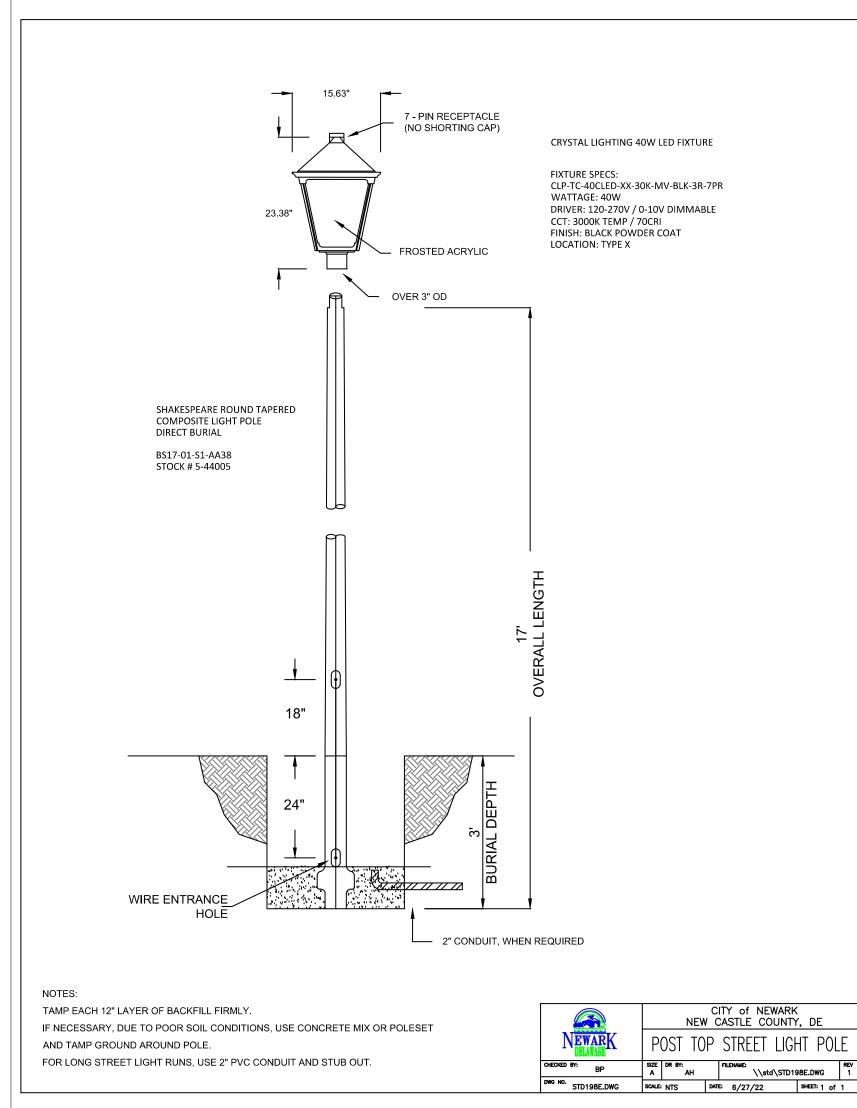
manufacturers recommendations.

anti-oxidant compound and make connection immediately.

connector from end to end using full number of indents as per

CAUTION: Do not nick or cut conductors in stripping process!







Approved Padmount Transformer Secondary Lugs for 3-phase transformers

NO EXCEPTIONS Six conductors per phase maximum

Conductor AL/CU	Burndy Part #
1/0 Stranded	YA25A7
2/0 Stranded	YA26A3
4/0 Stranded	YA28A5
250 kcmil	YA29A3
350 kcmil	YA31A3
500 kcmil	YA34A3
600 kcmil	YA36A3
750 kcmil	YA39A5
1000 kcmil	YA44A3

- Single Phase Padmounts up to 75kVA six 350 kcmil conductors maximum per spade
- 100kVA six 500 kcmil conductors max, contingent on space for conduits contact Electric Department for prior approval – connectors supplied by the City of Newark

Standard Primary Pull Box

36"X48"X36" Deep High Density Polyethylene Pencell PEM3648X with 2 PEM3648-6 Spacers Identification- ELECTRIC Note: Contact City of Newark Electric Department

if pullbox will be subject to vehicular traffic

Approved Aerial Commercial Service Entrance Connector

(For use on customer owned service conductors connected to aerial City owned conductors – usually triplex or quadriplex)

> Burndy (FCI) - Unitap NSI Industries – Polaris System

Note: Contact City of Newark Electric Department to review the number of conductors City will supply.

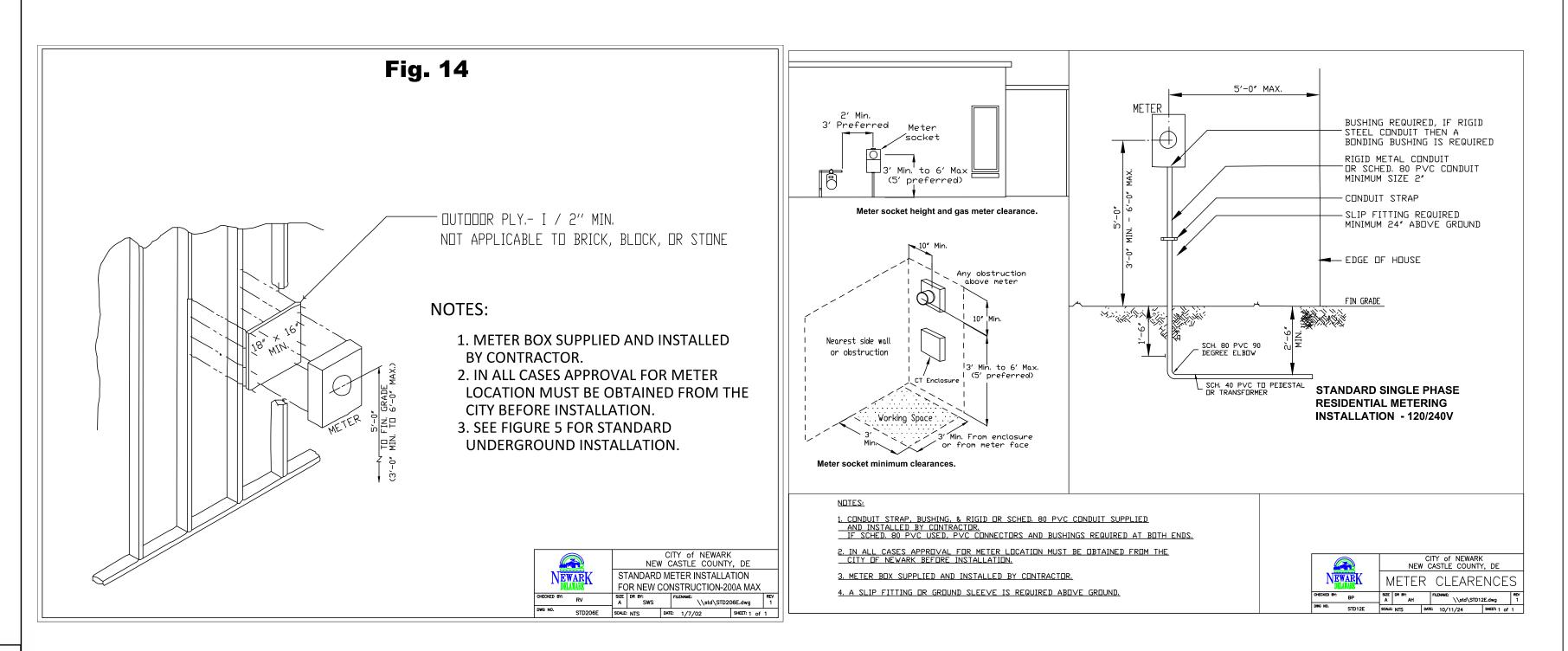
Approved Secondary Lugs for conductors directly connected to Aerial Transformer **Bushings**

Up to 500 kcmils City supplies 6 position eyebolt connectors YA36A3 600 kcmil **YA39A5** 750 kcmil 1000 kcmil

YA44A3 CITY OF NEWARK **NEW CASTEL COUNTY, DE APPROVED SECONDARY CONNECTORS** SIZE DR BY: FILENAME: REV CHECKED BY: BP \\std\STD201E.dwg

SCALE: NTS | DATE: 10/13/2005 | SHEET: 1 of 1

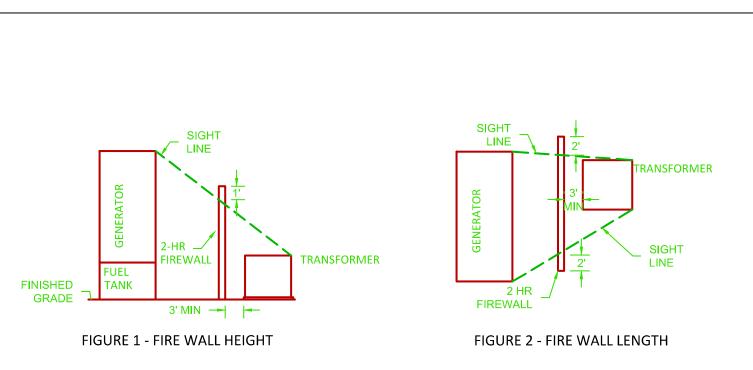
DWG NO. STD201E



CITY of NEWARK NEW CASTLE COUNTY, DE

TAP CONNECTIONS

SCALE: NTS DATE: 8/19/08 SHEET: 1 of 1



ENGINEERING NOTES:

A. A MINIMUM 20-FOOT SEPARATION / CLEARANCE IS REQUIRED BETWEEN CON ELECTRICAL FACILITIES IN OUTDOOR LOCATIONS WHERE FIRE OR EXPLOSION HAZARDS MAY EXIST.

THE ABOVE SEPARATIONS ALSO APPLY BETWEEN CON PAD MOUNTED EQUIPMENT AND CUSTOMER'S INSTALLED

GENERATORS UTILIZING ANY OF THE FOLLOWING FUELS: GASOLINE DIESEL FUEL

COMPRESSED NATURAL GAS (CNG) LIQUEFIED NATURAL GAS (LNG) LIQUEFIED PETROLEUM GAS (LPG) HYDROGEN IN A GASEOUS FORM (GH2)

HYDROGEN IN A LIQUID FORM (LH2)

IF THE MINIMUM 20-FOOT SEPARATION CAN NOT BE MAINTAINED, A FIRE BARRIER / FIRE WALL SHALL BE INSTALLED BETWEEN THE EQUIPMENT AND THE GENERATOR.

THE FIRE BARRIER / FIRE WALL SHALL HAVE A MINIMUM 2-HOUR FIRE RATING. THE FIRE WALL HEIGHT SHALL EXTEND AT LEAST 1-FOOT ABOVE THE LINE OF SIGHT BETWEEN ANY POINT ON THE TOP OF THE EQUIPMENT AND ANY POINT ON THE TOP OF THE GENERATOR. THE FIRE WALL SHALL ALSO EXTEND AT LEAST 2-FEET HORIZONTALLY BEYOND THE LINE OF SIGHT BETWEEN ANY POINT OF THE EQUIPMENT AND ANY POINT OF THE GENERATOR. A MINIMUM OF 3-FEET SEPARATION SHALL BE MAINTAINED BETWEEN THE FIRE WALL AND SIDE OF CON PAD MOUNTED EQUIPMENT EXCEPT FROM THE SIDE OF AN AUTOMATIC TRANSFER SWITCH CONTAINING THE CONTROL BOX WHERE A 6-FOOT SEPARATION SHALL BE MAINTAINED. SEE FIGURES 1 AND 2 FOR ILLUSTRATION.

- B. A MINIMUM 7-FEET 5-INCH HORIZONTAL CLEARANCE IS REQUIRED BETWEEN GENERATORS/CON PAD MOUNTED EQUIPMENT AND HIGH VOLTAGE AERIAL POWER.
- C. A MINIMUM 13-FEET 5-INCH VERTICAL CLEARANCE IS REQUIRED BETWEEN GENERATORS/CON PAD MOUNTED EQUIPMENT AND HIGH VOLTAGE AERIAL POWER.

