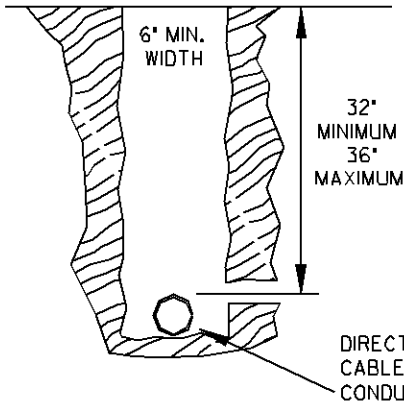
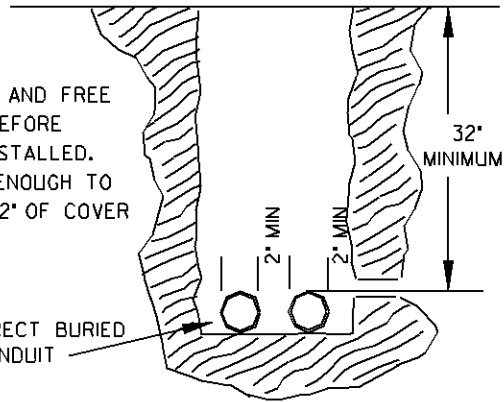


### SINGLE CONDUIT (RESIDENTIAL) TRENCH



### MULTI CONDUIT (COMMERCIAL OR INDUSTRIAL) TRENCH



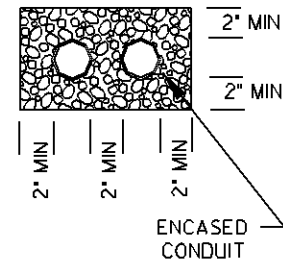
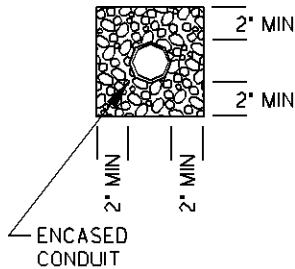
TRENCH MUST BE CLEAN AND FREE OF ROCKS AND DEBRIS BEFORE CABLE OR CONDUIT IS INSTALLED. TRENCH MUST BE DEEP ENOUGH TO ALLOW FOR AT LEAST 32" OF COVER OVER DUCT OR CABLE

#### MINIMUM CONDUIT SIZES:

- RESIDENTIAL - 3" ID
- COMMERCIAL - 5" ID FOR URD CABLES
- COMMERCIAL - 6" ID FOR POWER CABLES

ALL CONDUIT MUST BE UL LISTED AND HAVE A SCHEDULE 40 (SCH.40) RATING. A 90°C TEMPERATURE RATING IS REQUIRED.

WHEN CONDUIT IS CONCRETE ENCASED, THE CONDUIT MUST BE COVERED BY A MINIMUM OF 2" OF CONCRETE ON ALL SIDES

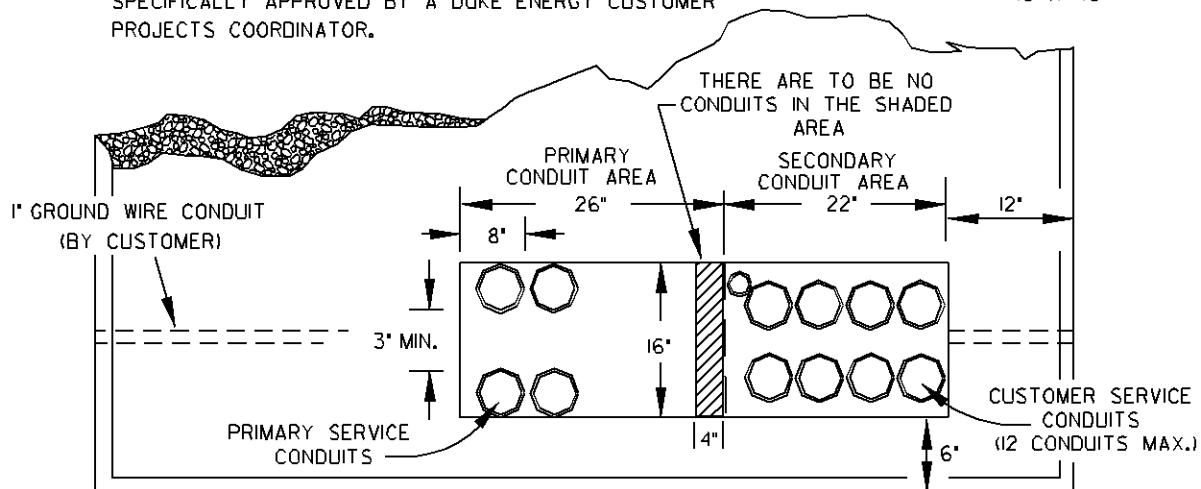


### THREE - PHASE TRANSFORMER BOXOUT DETAILS

CUSTOMER TO INSTALL CONDUIT INTO PAD BOXOUT AS SHOWN.

- PRIMARY CONDUIT MUST BE INSTALLED AS SHOWN.
- SECONDARY/SERVICE DUCTS MUST BE INSTALLED WITHIN THE 16" X 22" SECONDARY BOXOUT AREA. THERE ARE TO BE NO CONDUIT IN THE SHADED AREA IN THE DETAIL.
- CONDUIT SHOULD EXTEND AT LEAST 3" ABOVE THE BOTTOM OF THE BOXOUT BUT NOT ABOVE THE SURFACE OF THE PAD.
- THE MAXIMUM NUMBER OF CONDUITS ENTERING INTO THE SECONDARY AREA OF THE PAD OPENING SHALL BE 12 (4" DIA.) UNLESS SPECIFICALLY APPROVED BY A DUKE ENERGY CUSTOMER PROJECTS COORDINATOR.

TOTAL BOX - OUT OPENING  
16" X 48"



MAXIMUM SPACE AVAILABLE FOR SECONDARY/SERVICE DUCTS IS  
16" X 22"