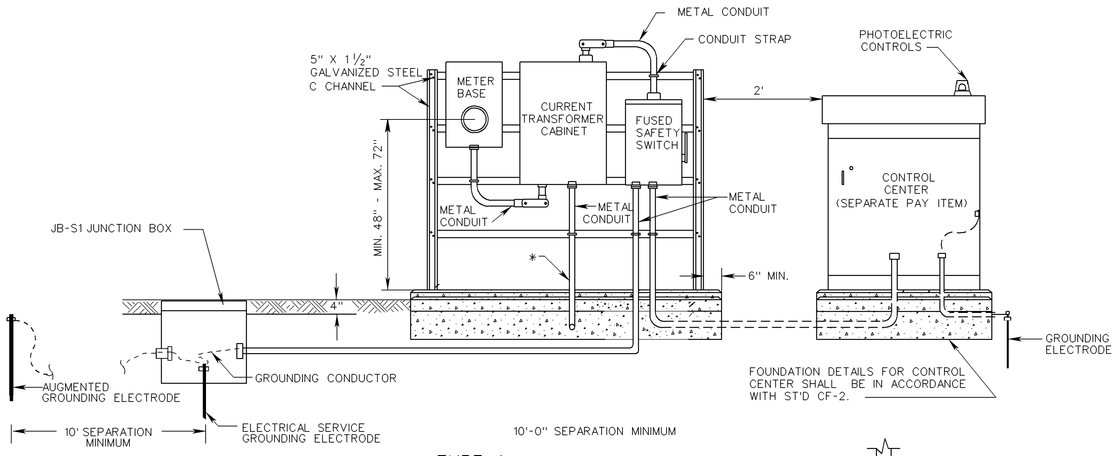
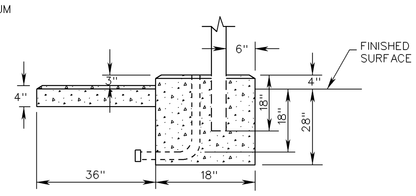


TYPE A



SERVICE ENTRANCE FOUNDATION DETAIL

NOTES:

THIS STANDARD IS APPLICABLE FOR 480Y/277 ELECTRICAL SERVICE ONLY.

NO OTHER CONDUCTORS SHALL BE RUN IN THE SAME CONDUIT WITH ELECTRICAL SERVICE CABLE.

ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED ¾".

GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH END OF METAL CONDUITS.

EMPTY CONDUITS SHALL BE PLUGGED TO PREVENT MOISTURE AND RODENT ENTRY.

BELL ENDS SHALL BE INSTALLED ON THE ENDS OF PVC CONDUITS.

LOCAL POWER COMPANY WILL INSTALL SERVICE CABLE FROM THEIR POWER SOURCE TO THE CURRENT TRANSFORMER CABINET AND METER BASE.

OPEN ENDS OF CONDUITS WITH CONDUCTORS INSTALLED SHALL BE SEALED WITH AN APPROVED SOFT, PLIABLE, AND EASILY REMOVABLE WATERPROOF SEALANT. THE SEALANT SHALL NOT HAVE A DELETERIOUS EFFECT ON CABLE COVERINGS.

SAFETY SWITCH, METER BASE, WIREWAY, CURRENT TRANSFORMER CABINET AND CONTROL CENTER SHALL BE ATTACHED TO THE CHANNELING WITH ⅜" GALVANIZED BOLTS, LOCK WASHERS AND NUTS. FOUR CROSS CHANNELS SHALL BE UTILIZED.

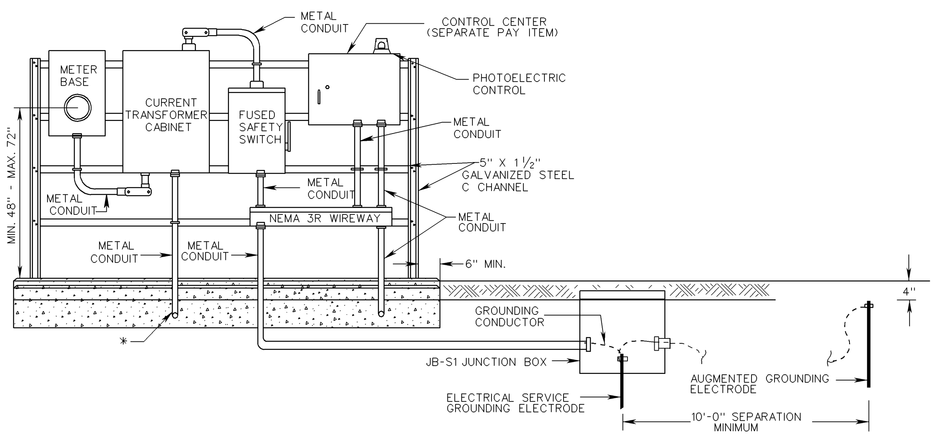
EACH FOUNDATION SHALL BE PERMANENTLY MARKED TO INDICATE ALL SIDES FROM WHICH CONDUITS PASS. THIS MARK SHALL BE MADE WITH A TROWEL WHEN FINISHING THE CONCRETE AND SHALL BE ¼" DEEP AND 4" TO 6" LONG.

THE CONTRACTOR SHALL LEAVE A SUFFICIENT AMOUNT OF CONDUCTOR CABLE COILED INSIDE THE CURRENT TRANSFORMER CABINET TO PERMIT THE LOCAL POWER COMPANY TO MAKE THEIR CONNECTION.

CONCRETE PAD SHALL BE INSTALLED IN FRONT OF CABINET DOORS, SIZED TO MATCH THE FOUNDATION WIDTH, AND SLOPED TO DRAIN (MIN. 20" X36")

* CONDUIT SHALL BE STUBBED OUT 6" PAST CONCRETE FOUNDATION PAD. LOCATION OF THE STUBBED CONDUIT SHALL BE AS REQUIRED BY THE LOCAL POWER COMPANY.

VDOT ROAD AND BRIDGE STANDARDS	ELECTRICAL SERVICE INSTALLATION DETAILS	SPECIFICATION REFERENCE
SHEET 1 OF 2 / 1312.90	VIRGINIA DEPARTMENT OF TRANSPORTATION	700
REVISION DATE 06-15-2009		



TYPE B

NOTES:

THIS STANDARD IS APPLICABLE FOR 480Y/277 ELECTRICAL SERVICE ONLY.

NO OTHER CONDUCTORS SHALL BE RUN IN THE SAME CONDUIT WITH ELECTRICAL SERVICE CABLE.

ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED ¾".

GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH END OF METAL CONDUITS.

EMPTY CONDUITS SHALL BE PLUGGED TO PREVENT MOISTURE AND RODENT ENTRY.

BELL ENDS SHALL BE INSTALLED ON THE ENDS OF PVC CONDUITS.

LOCAL POWER COMPANY WILL INSTALL SERVICE CABLE FROM THEIR POWER SOURCE TO THE CURRENT TRANSFORMER CABINET AND METER BASE.

OPEN ENDS OF CONDUITS WITH CONDUCTORS INSTALLED SHALL BE SEALED WITH AN APPROVED SOFT, PLIABLE, AND EASILY REMOVABLE WATERPROOF SEALANT. THE SEALANT SHALL NOT HAVE A DELETERIOUS EFFECT ON CABLE COVERINGS.

SAFETY SWITCH, METER BASE, WIREWAY, CURRENT TRANSFORMER CABINET AND CONTROL CENTER SHALL BE ATTACHED TO THE CHANNELING WITH ⅜" GALVANIZED BOLTS, LOCK WASHERS AND NUTS. FOUR CROSS CHANNELS SHALL BE UTILIZED.

EACH FOUNDATION SHALL BE PERMANENTLY MARKED TO INDICATE ALL SIDES FROM WHICH CONDUITS PASS. THIS MARK SHALL BE MADE WITH A TROWEL WHEN FINISHING THE CONCRETE AND SHALL BE ¼" DEEP AND 4" TO 6" LONG.

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CONCRETE PAD SHALL BE INSTALLED IN FRONT OF CABINET DOORS, SIZED TO MATCH THE FOUNDATION WIDTH, AND SLOPED TO DRAIN (MIN. 20" X36")

* CONDUIT SHALL BE STUBBED OUT 6" PAST CONCRETE FOUNDATION PAD. LOCATION OF THE STUBBED CONDUIT SHALL BE AS REQUIRED BY THE LOCAL POWER COMPANY.

SPECIFICATION REFERENCE	ELECTRICAL SERVICE INSTALLATION DETAILS	VDOT ROAD AND BRIDGE STANDARDS
700	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE 06-15-2009 / SHEET 2 OF 2 / 1312.91

NEW 6/15/09
SPECIAL DESIGN SECTION
DRAWING NO. TS13_33

PLAN NO.
PROJECT
FILE NO.
SHEET NO.

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 VA.
FEDERAL AID PROJECT
ROUTE
STATE PROJECT
SHEET NO.

PROJECT MANAGER
SURVEYED BY
DESIGN SUPERVISED BY
DESIGNED BY

Design File = N:\2009_R&B_Standards\Revisions\June_2009_Revision\Inserts\Sheets\Ts13_33.dgn
Design levels on = 63