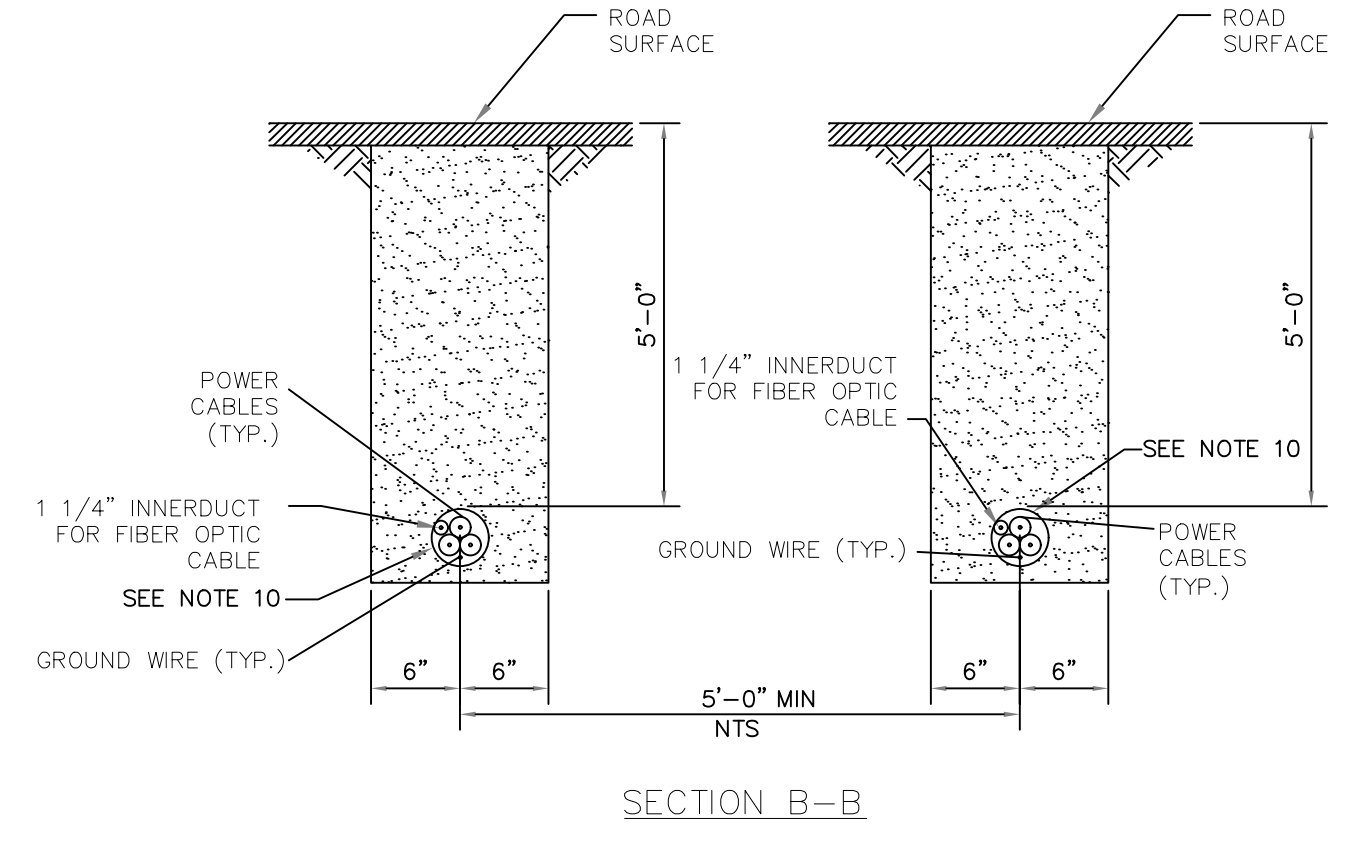
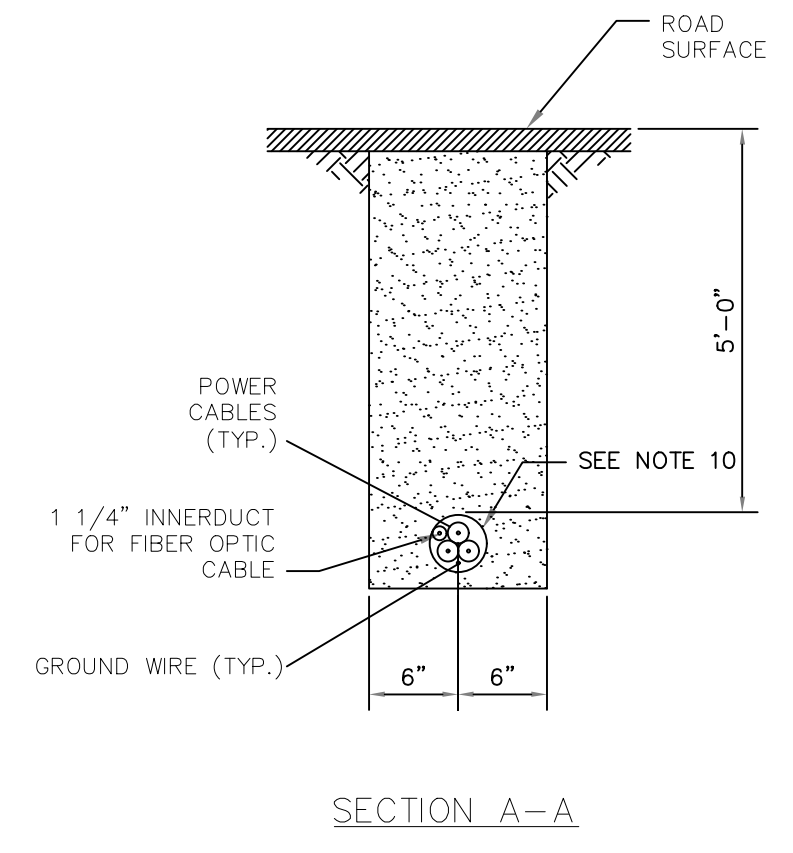
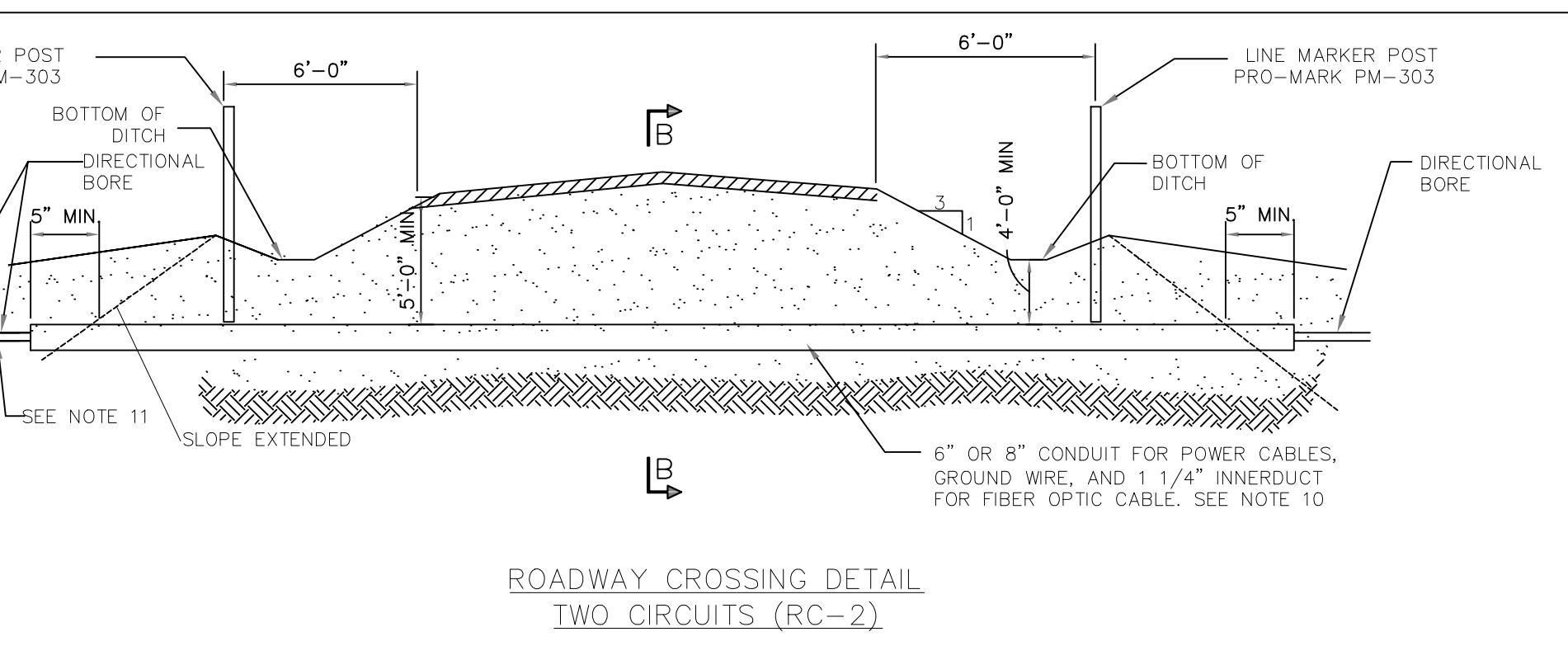
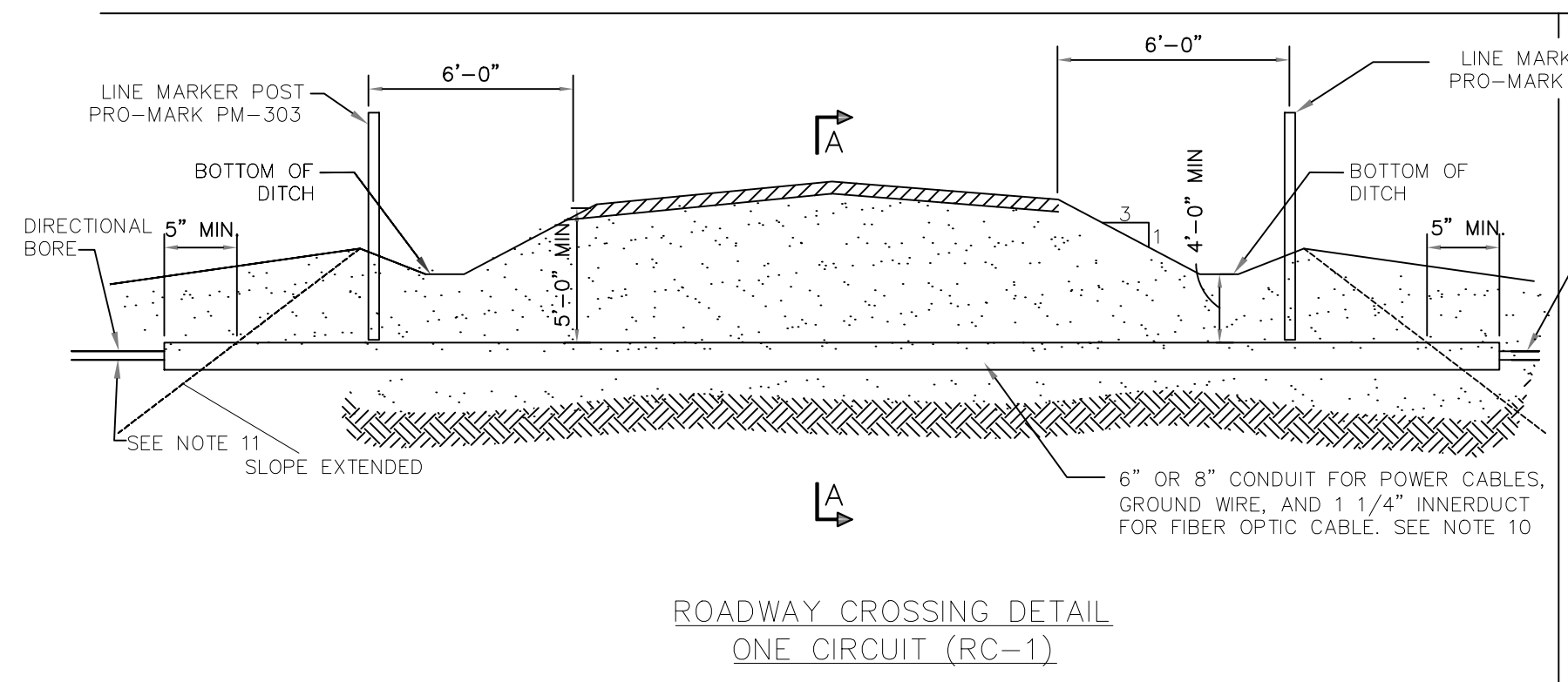
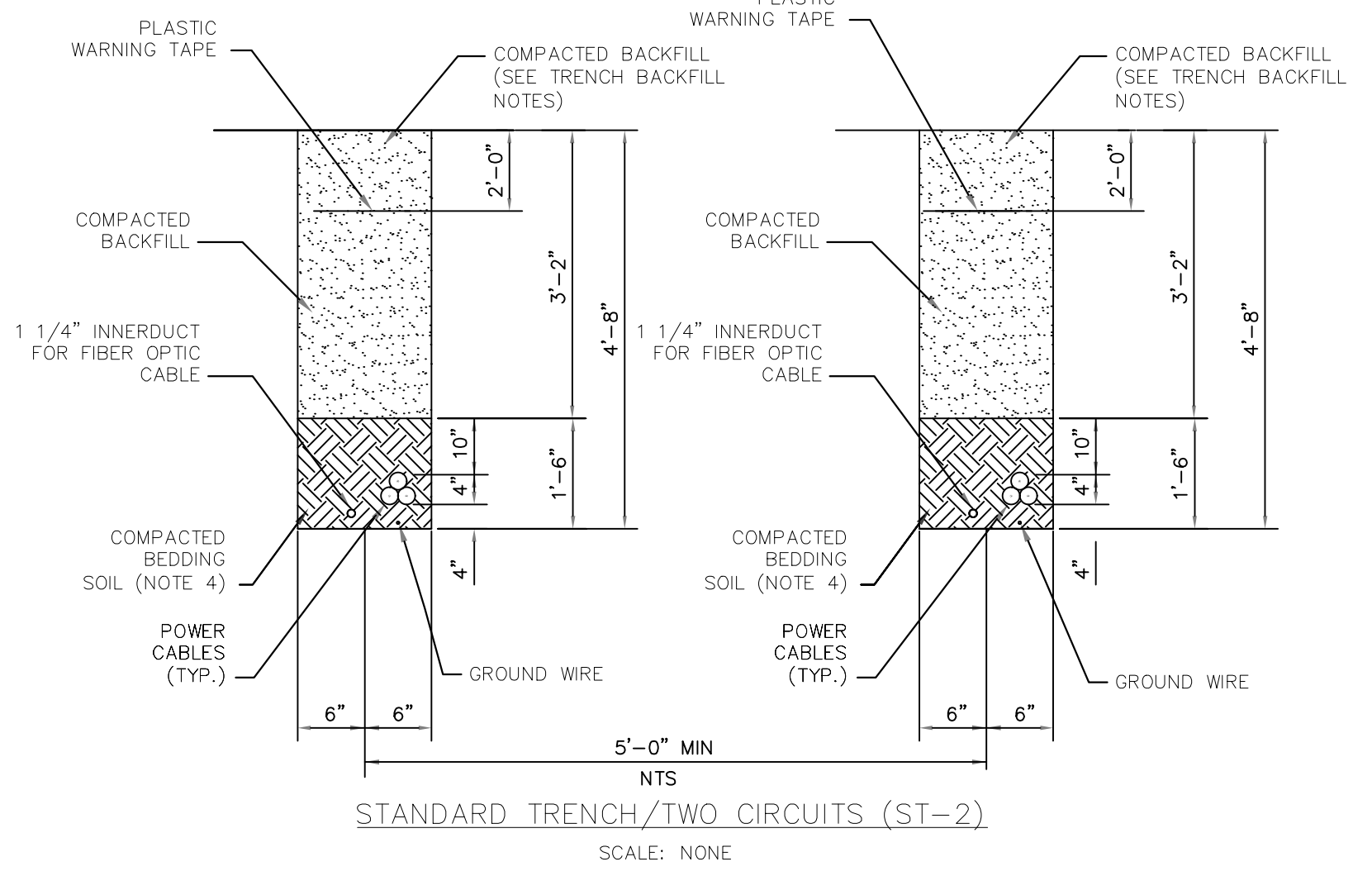
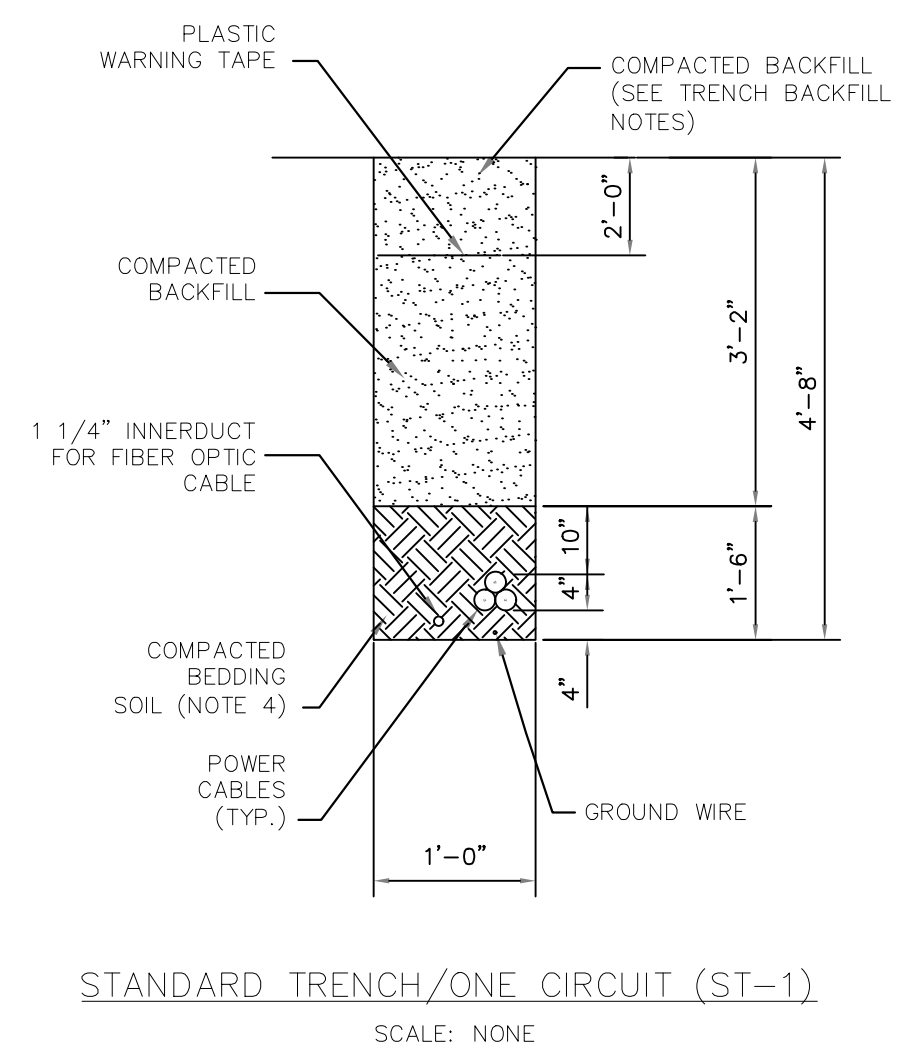


- TRENCH BACKFILL NOTES
- BACKFILLING OPERATIONS SHALL NOT BE CONDUCTED UNDER FREEZING TEMPERATURE OR FROZEN SOIL CONDITIONS.
 - THE BEDDING AND PADDING BACKFILL MATERIAL FOR THE TRENCH SHALL BE EXCAVATED SOIL FREE OF ROCKS (NO ROCKS LARGER 3/8" DIAMETER) AND FREE OF WOOD, ROOTS, VEGETABLE MATTER, TOPSOIL OR OTHER DELETERIOUS MATERIAL.
 - TOPSOIL CONSISTS OF ORGANIC SILT AND SILTY SAND IN ACCORDANCE WITH THE UNITED SOIL CLASSIFICATION SYSTEMS (USCS).
 - SUITABLE PROTECTIVE BEDDING AND PADDING SOIL WITH A MINIMUM COVER ON ALL SIDES OF ALL CABLE AND / OR CONDUIT SYSTEMS SHALL BE PROVIDED. CONTRACTOR TO INSTALL GPS BALL MARKER AT EACH BORING PIT, NO DEEPER THAN 5'-0"
 - ALL THE LAYERS SHALL BE SUFFICIENTLY COMPACTED TO ACHIEVE THE NECESSARY THERMAL RESISTIVITY. COMPACTING BY FLOODING SHALL NOT BE PERMITTED.
 - BACKFILL SHALL BE PLACED IN THREE LIFTS (1 FOOT BOTTOM LIFT, 1 FOOT CENTER LIFT AND 2 FOOT TOP LIFT WITH TOPSOIL HEAPED FOR FINAL COMPLETION).
 - COMPACTED BACKFILL ABOVE CABLE SHALL NOT HAVE ROCKS LARGER THAN 1.5" DIAMETER.
 - ALL BACKFILL SHALL BE 140CM/W (TO BE VERIFIED BY AMPA MODELING) OR LESS, AT 2% MOISTURE CONTENT SHALL BE USED.
 - ALL BACKFILL SHALL BE COMPACTED TO THE LESSOR OF 93% OF THE ASTM D698 DRY-DENSITY VALUE OR THE NATIVE IN-SITU DENSITY.
 - USE 6" BORE-GARD SCHEDULE 40 FOR POWER CABLES 4/0 AWG TO 500 MCM, USE 8" HDPE SDR 13.5 FOR POWER CABLES 750 MCM TO 1250 MCM.

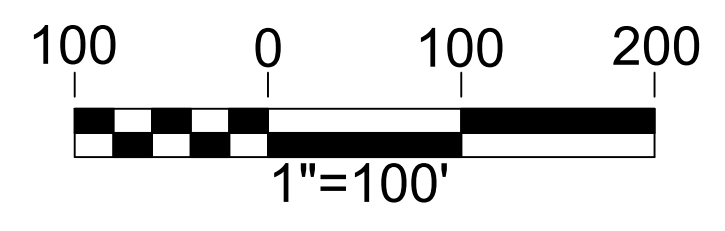
UNDERGROUND OR EMBEDDED UTILITIES MAY BE LOCATED WITHIN OR ADJACENT TO THE AREA IN WHICH EXCAVATION, DEMOLITION, FOUNDATION, OR MODIFICATION WORK IS TO BE PERFORMED.

REFERENCES RELATING TO THE UNDERGROUND OR EMBEDDED UTILITIES ARE PROVIDED TO ASSIST THE CONTRACTOR/INSTALLER IN THE FIELD LOCATING THOSE UTILITIES AND OTHER POSSIBLE UNDERGROUND OR EMBEDDED INTERFERENCES WITH THE WORK.

THE CONTRACTOR/INSTALLER SHALL EXERCISE DUE CAUTION DURING ALL EXCAVATION/FOUNDATION/DEMOLITION WORK.



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



REV	DESCRIPTION	DATE	DES	CHK	APP
A	ISSUE FOR REVIEW	06/20/19	KGM	PRG	CS
B	RE-ISSUE FOR REVIEW	12/05/19	KGM	PRG	CS

TRC 124 Grove Street
Franklin MA, 02038

PROJECT NO: 327851

PRG DESIGNED
AMW DRAWN
KGM CHECKED
CS APPROVED

PRELIMINARY
34.5 KV COLLECTION TRENCH, BORING AND CROSSING DETAILS
EAST POINT ENERGY CENTER
EAST POINT ENERGY CENTER, LLC
SCHOHARIE CO., NY

SHARON

04/17/19 DATE AS NOTED SCALE

TRC

CS-001

REV. B