

NOTES:

MAJOR COMPONENTS ON THE EXISTING POLE TO BE RELOCATED INCLUDES:

- PRIMARY CABLE TRANSITION TO EXISTING UNDERGROUND SERVICE C/W TERMINATIONS
- POLE MOUNTED TRANSFORMER COMPLETE WITH SECONDARY CABLE TRANSITION TO EXISTING UNDERGROUND SERVICE C/W TERMINATIONS. TO EXPEDITE THE EXISTING SERVICE CUT-OVER PROVIDE NEW POLE, CROSS ARM, DOWN GUYS AND ALL APPERTURANCES AT NEW LOCATION AND SHALL BE PREP READY FOR THE RELOCATION OF SERVICES.

PRODUCT

1. AERIAL CABLE: BARE ACSR CONDUCTOR TO MATCH EXISTING.
2. POLE INCLUDING GUYING, GUY PISA, CROSS ARM AND POLE HARDWARE. POLE SHALL BE PRESERVATIVE TREATED SOUTHERN YELLOW PINE OR IDENTICAL WOOD SPECIES TO THE EXISTING. POLE HEIGHT AND POLE CLASS SHALL MATCH EXISTING.
3. PROVIDE FUSED ISOLATION SWITCH/CUTOUT (FUSE SIZE 25A) COMPLETE WITH A GROUP OPERATED VISIBLE BREAK LOAD INTERRUPTING DEVICE CAPABLE OF MAKING AND INTERRUPTING ITS FULL LOAD RATING, LIGHTNING ARRESTERS AND CABLE GUARDS FOR ALL CABLE TRANSITIONS TO UNDERGROUND SERVICES.
4. PROVIDE GROUNDING AT POLE C/W BARE COPPER CONDUCTOR AND LOCAL GROUND ROD.

EXECUTION LINE INSTALLATION SHALL CONSIST OF:

- SITE INSPECTION
- POLE INSTALLATION
- SERVICE RELOCATION AND EXTENSION:
 - CABLE INSTALLATION
 - NEW PAD MOUNT TRANSFORMER C/W PRECAST CONCRETE PAD AND GROUNDING
 - LINE ENERGIZATION

SITE INSPECTION/ INSPECT SITE CONDITION, VERIFY:

- POLE LOCATIONS WITH RESPECT TO POSSIBLE CONFLICTS
- UNDERGROUND SERVICES AND CLEARANCE TO ADJACENT STRUCTURE -HAVE POLE LINE ROUTING AND POLE LOCATIONS REVIEWED AND APPROVED BY THE OWNER

POLE INSTALLATION:

- SET POLES IN PLACE TO THE DEPTH REQUIRED BY CODE. ASSEMBLE AND INSTALL THE AERIAL CABLE, CROSS ARM, GUYING AND POLE HARDWARE. THE POLE GUY, PISA SHALL BE INSTALLED BEFORE LINE CONDUCTORS ARE STRUNG. AFTER LINE CONDUCTORS ARE STRUNG ADJUST THE GUY TENSION. THE MINIMUM HEIGHT REQUIREMENT FOR THE POLE IS 12.2 METERS.

-PROVIDE A GRADIENT CONTROL MAT THAT WILL BE LOCATED UNDER THE GROUP-OPERATED POLE MOUNTED SWITCH AND THAT IT IS CONNECTED TO THE OPERATING HANDLE WITH A MINIMUM OF TWO 2/0 GROUNDING CONDUCTORS AS DETAILED IN ACCORDANCE WITH RULE 36-310.

-WOOD POLE IS TO BE "SPECIES-TREATMENT" COMBINATIONS LISTED IN THE OESC.

CABLE INSTALLATION:

- THE CABLE INSTALLATION SHALL INCLUDE MOUNTING ON POLES, STRINGING, TRAINING IT FOR TRANSITION TO UNDERGROUND SERVICES, TESTING, TERMINATION AND ENERGIZATION

LINE ENERGIZATION:

- THE LINE OUTAGE AND ENERGIZATION SHALL BE COORDINATED WITH THE OWNER. ON COMPLETION, CONFIRM THE CONDUCTOR/ CABLES, PHASING AND MEGGAR TEST THE CABLES.

V:\01691\ACTIVE\140010092\DESIGN\DRAWINGS\ELECTRICAL\WORKING\140010092_E-600.DWG
8/22/2012 3:23 PM

ORIGINAL SHEET - ANSI A

AUG. 2012
140010092



Stantec

Stantec Consulting Ltd.
 100-401 Wellington Street West
 Toronto ON Canada
 M5V 1E7
 Tel. 416.596.6666
 Fax. 416.596.7892
 www.stantec.com

Client/Project

BCI
 FINANCE AND PAROLE
 BUILDING

Figure No.

SK-5

Title

SINGLE LINE DIAGRAM