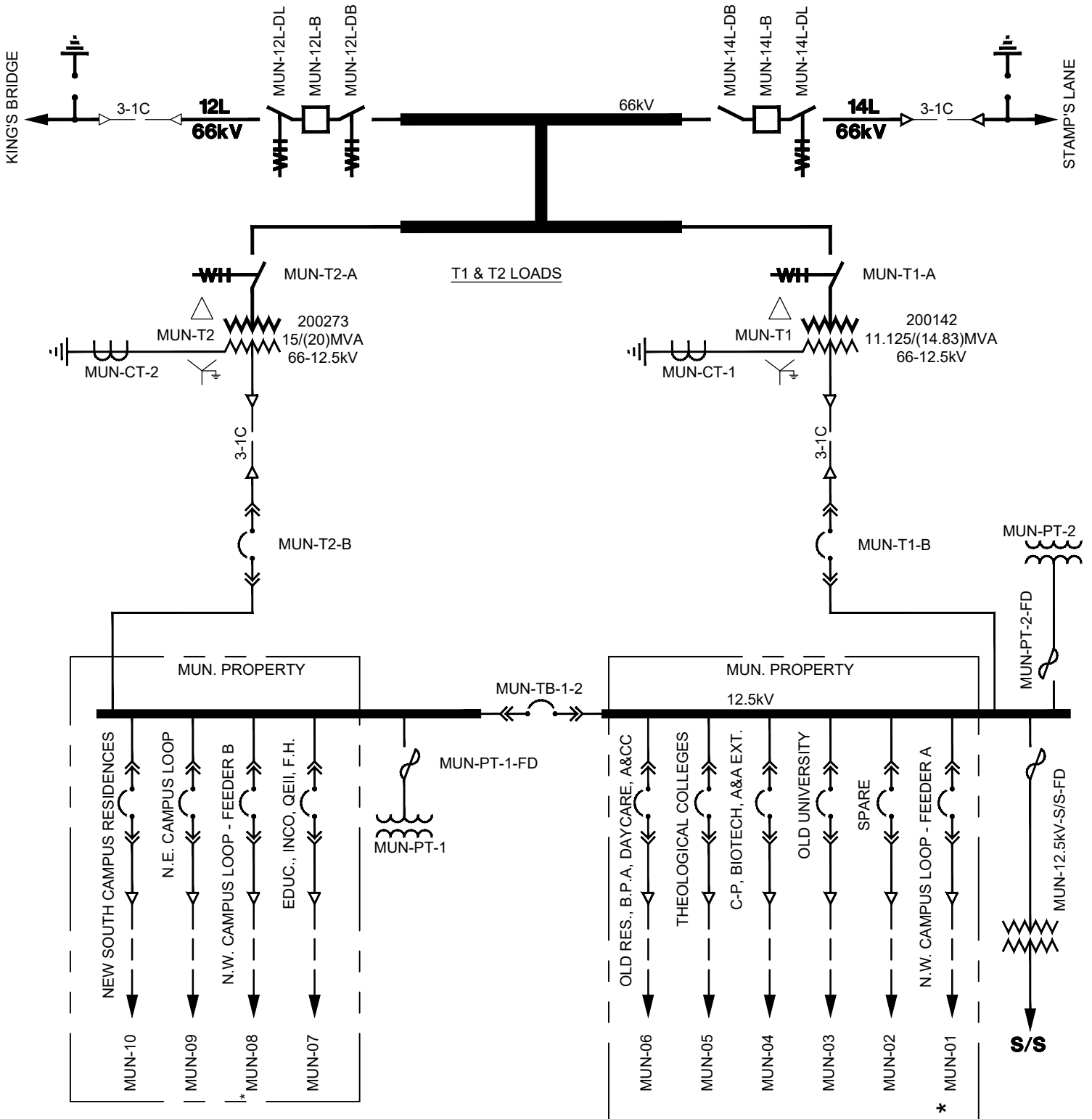


- 1 **Q. (Reference CA-NP-030) Please provide line diagrams for the MUN, LPD, RFD**
2 **and LCV Substations showing line entrances, buses, switchgear, circuit**
3 **breakers and transformers.**
4
- 5 A. Attachment A provides the single line diagram for Memorial Substation.
6
7 Attachment B provides the single line diagram for Long Pond Substation.
8
9 Attachment C provides the single line diagram for Roycefield Tap Substation.
10
11 A single line diagram for Lower Cove Substation is not available as the substation is not
12 owned by Newfoundland Power.

ATTACHMENT A:

Memorial Substation Single Line Diagram



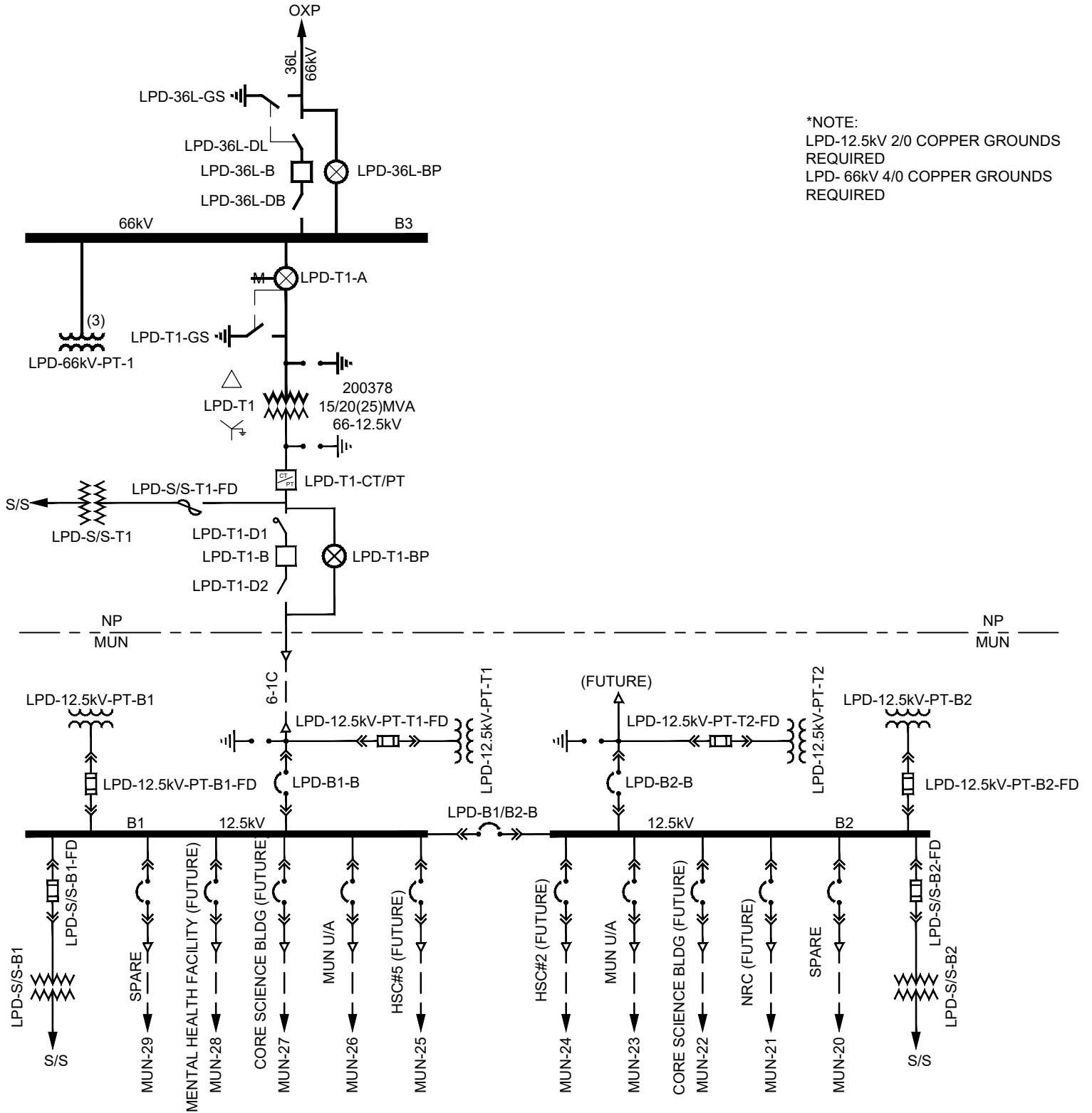
* MUN-01 & MUN-08 SERVICES THE HEALTH SCIENCES COMPLEX & THE UTILITIES ANNEX

NOTE:
MUN-12kV 4/0 COPPER GROUNDS REQUIRED
MUN-66kV 4/0 COPPER GROUNDS REQUIRED

MEMORIAL SUBSTATION

ATTACHMENT B:

Long Pond Substation Single Line Diagram

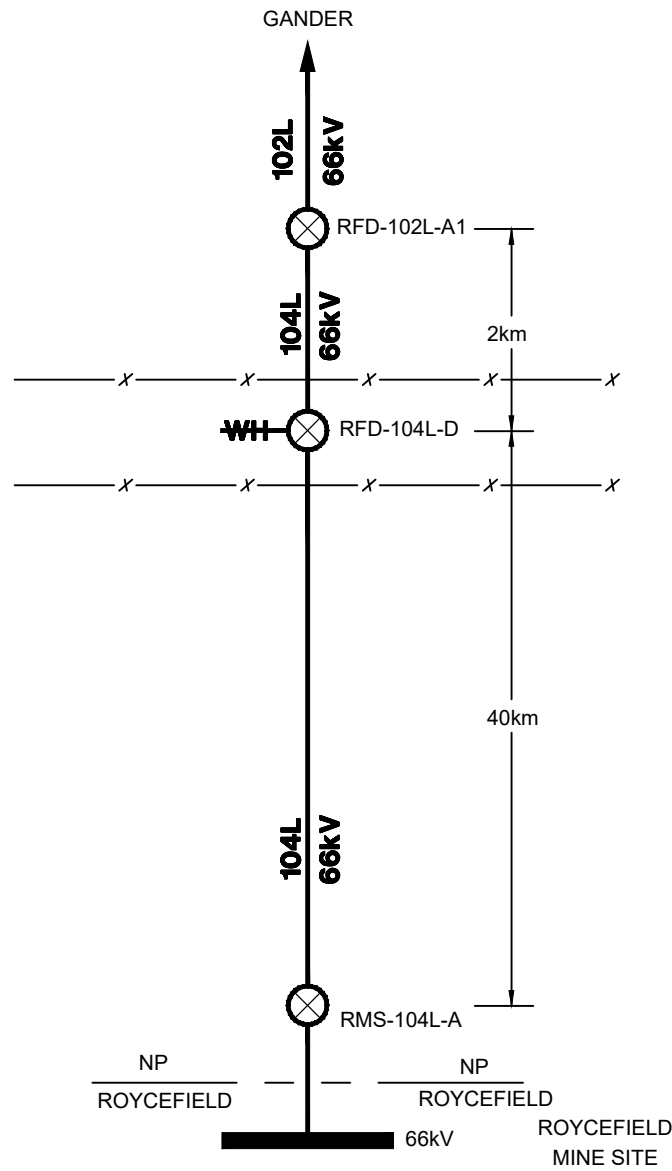


*NOTE:
LPD-12.5kV 2/0 COPPER GROUNDS
REQUIRED
LPD- 66kV 4/0 COPPER GROUNDS
REQUIRED

LONG POND SUBSTATION

ATTACHMENT C:

Roycefield Tap Substation Single Line Diagram



ROYCEFIELD TAP SUBSTATION