

The following is to be read and form part of the contract documents for the above project.

RESPONSES TO QUESTIONS DURING TENDERING

1) Section 26 05 43.01

2.2.1 – Are the concrete cable markers required on concrete encased duct banks or only on direct buried cables?

Response: Concrete cable markers are not required. This will be removed from the specifications.

2.2.2 – Is plastic ribbon required above the concrete encased duct banks? (It is not shown on the cross sections of the duct banks within each package)

Response: Plastic ribbon is required above duct banks and direct buried cables.

2) Is there a location to permanently stockpile trench tailings on the property or does it need to be removed from site?

Response: Tailings to be removed from site.

3) Drawing E1-01-01

- What Detail should I use for the Manhole to Building A-6 Pump House?

Response: E3-01-02, detail #4.

4) Drawing E1-02-01 vs Drawing E1-03-01

- Detail 12 on E1-02-01 does not match Detail 2 on E1-03-01 ... which duct bank configuration is correct?

Response: Duct bank configuration shown on E1-02-01 and E3-02-01 is correct. E1-03-01 and E3-03-01 will be revised in future addendum.

- Is the Pull Pit on E1-03-01 required as it is not shown on E1-02-01?

Response: Pull pit is not required. Duct bank for C-29/C-30 E-house to be installed in WP02 to a point 3 meters south of the E-house. Final portion to be included in WP03.

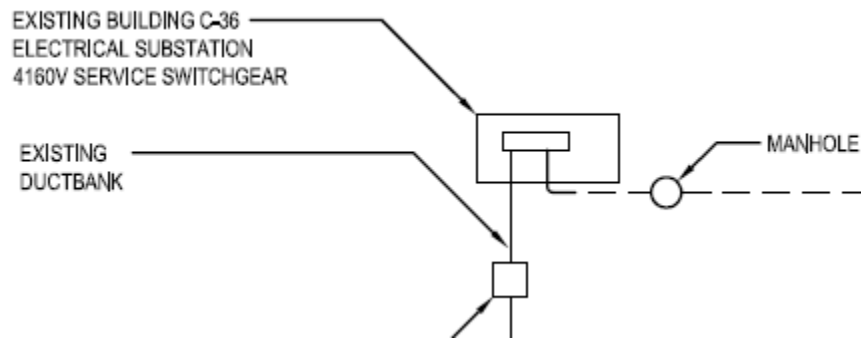
5) Drawing E3-05-01 vs Drawing E1-05-01

- Confirm the 125mm DBII asked for on E3-05-01 (Detail 0) is correct as E1-05-01 has references to 100mm ducts (Detail 3 & Detail 7).

Response: All ducts to be 125mm.

6) Drawing E1-01-01

- Please confirm these 2 manholes and duct bank are existing from the Substation to the Detail 12 duct bank (or provide Detail references for new duct bank required):



Response: All manholes and ductbanks are new. Detail 12 drawing E3-01-01 shall apply for the duct bank from C-36 west to the southernmost manhole.

7) Drawing E2-02-01 Detail 2

- During the site walk we had concerns with getting an MCC into the penthouse electrical room ... Looking at E7-02-05 there appears to be no motor starters – only overcurrent protection.

Please clarify:

- 1) If these are starters ... can loose combo starters, fed from splitter(s), be used in place of an MCC?

Response: Changing loose starters fed from splitter to MCC. MCC to be used. Drawings will be revised in next addendum.

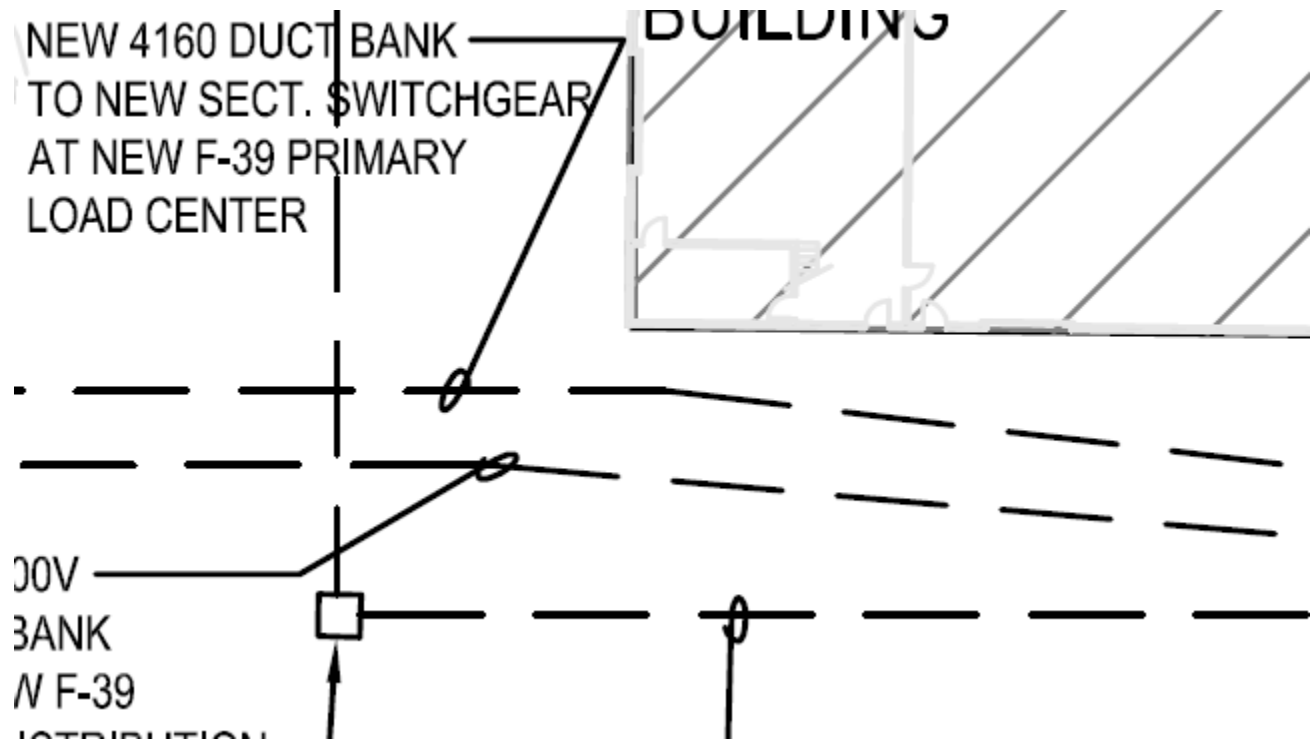
- 2) If these are over current only feeding existing starters ... can we install a CDP in place of an MCC?

Response: Motor starters are required. MCC to be used.

8) Drawing E1-05-01

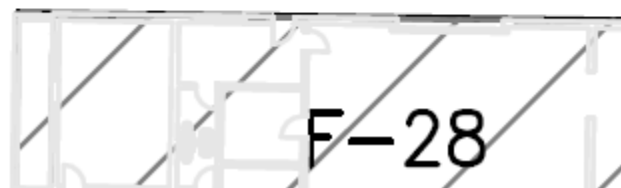
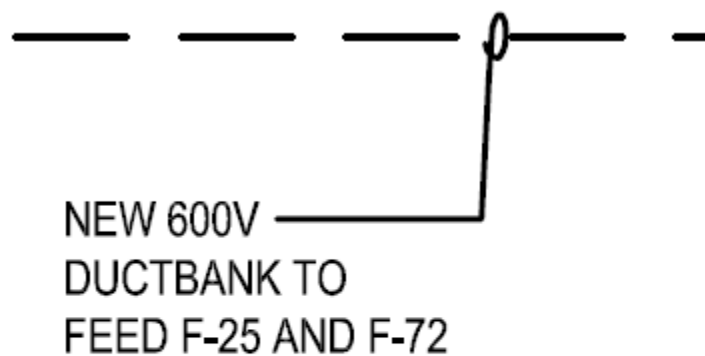
- Do the ducts shown for Detail 3 need to be spread out as shown on the plan ... or can they be installed in the same trench as depicted in Detail 3?

Response: Ducts can be installed in same trench as depicted.



- Despite the note stating 'New 600V Ductbank to Feed F-25 and F-72' I don't see the Ductbank link to F-25. Is this note accurate?

Response: Note is incorrect. Should feed only F-72



- Site Plan Key Note 5 – Are there at least 4 ducts in the existing duct bank – 3 occupied & 1 spare? That is, can we install the new parallel 4c/350MCM Teck (from F-39 to F-25) without removing both of the existing 600V 200A & 600V 400A feeds (from F-39 to F-25) and the 4160V 600A (from F-39 to C-36)?

Response: Based on existing drawing information, existing ductbank contains only 3 ducts. Can be reviewed again when ductbank layout is verified.

9) Section 01 71 00

1.3 – Can you confirm which elements of the job require formal survey? During the walk through (and described in 1.5) the routing of underground ducts seemed quite flexible with proper consultation ... is it fair to say that only E-Houses, Generator Houses, Manholes and Pull Pits (Foundations & Major Site Improvements as described in 1.6) require documented horizontal and vertical data?

Response: All newly installed infrastructure (E-houses, Generator houses, man holes, pull pits, and duct banks) will require formal survey information to be provided.

1.4 – Can you confirm what the expectation are for as-builts related to existing below grade services? That is, are we locating underground services only to safely install the new work or is there an expected deliverable at the conclusion of the project?

Response: As-built findings related to existing underground services shall be recorded on final as-builts for future reference.

- 10) Can you provide guidelines for construction of temporary fences inside the walls and when they are required?

Response: Temporary fences will be required for open trenches.

11) Section 01 52 00

1.7 – Please confirm contractor is required to have 24hr/7 day a week security personnel when not on site.

Response: Security personnel is required for when construction personnel are not on site.

- 12) Bid Submissions – Is there a location in Saskatchewan that is acceptable to submit bids?

Response: No.

- 13) Are panel schedules available for new and existing branch panels to determine breaker count/ampereage? Detailed breaker count/ampereage are provided for CDP's but I haven't been able to find this level of detail for Branch Panels. In the absence of panel schedules ... can you confirm number of circuits in each panel and types of breakers we are suppose to provide for our bid?

Response: Panel schedules are not available for all existing branch panels. In the absence of this information, presume each panel is 42 circuits with 70% 15A1P, 10% - 20A1P, 10% - 15A3P, 10% - 20A3P. Actual counts and breaker sizes to be confirmed on site prior to ordering.

14) Specification (4160V Cabling)

- Please provide a specification for the 4160V cabling required on this project (Single Conductor and Teck).

Response: Specification provided in this addendum.

15) Drawing E3-01-01 (Structural)

- Please provide structural details of piles/pad beneath the padmount transformer and 4160V sectionalizer near C-31.

Response: Details will be provided in next addendum.

16) Drawing E1-05-01 (Structural)

- Please provide requirements and dimensions of the vault/manhole beneath the new sectionalizer near F-72.
- Please provide structural details of piles/pad beneath the padmount transformer and 4160V sectionalizer near F-39.

Response: Details will be provided in next addendum.

17) Drawing E3-01-02 (Fire Alarm)

- Note 1 – Please confirm the manufacturer of the fire alarm system we are to interface with in Building A4.
- Is a pull station and smoke detector required in the Generator E-House?
- Should the run/fault status from the Generator also head to Building A4?
- Are we to use a spare 5" duct in the new duct bank to run the fiber to Building A4?

Response: Fire alarm devices will be removed from scope of work. Fire alarm installation to be done within separate contract involving the site wide fire alarm upgrade.

18) Drawing E3-02-01 (Fire Alarm)

- Detail 22 – Please define where the fire alarm signal for E-House 'BE', 'BE-1' and 'BW' is to interface to.
- Please confirm the manufacturer of the fire alarm system at these locations.
- Are we to use a spare 5" duct in the new duct bank(s) to run fiber to the designated points?

Response: Fire alarm devices will be removed from scope of work. Fire alarm installation to be done within separate contract involving the site wide fire alarm upgrade.

19) Drawing E3-03-01 (Fire Alarm)

- Detail 7 – Please define where the fire alarm signal for E-House 'C29' is to interface to.
- Please confirm the manufacturer of the fire alarm system at these locations.
- Are we to use a spare 5" duct in the new duct bank to run fiber to the designated point?

Response: Fire alarm devices will be removed from scope of work. Fire alarm installation to be done within separate contract involving the site wide fire alarm upgrade.

20) Drawing E1-05-01 (Fire Alarm)

- Is a pull station and smoke detector required in the Generator E-House?
- Please confirm where the run/fault status from the Generator is to be routed to.
- Please confirm the manufacturer of the fire alarm system at this location.
- Are we to use a spare 5" duct in the new duct bank to run fiber to the designated point?

Response: Fire alarm devices will be removed from scope of work. Fire alarm installation to be done within separate contract involving the site wide fire alarm upgrade.

AMENDMENTS TO PROJECT - GENERAL

1. All branch circuit breakers feeding inmate cells, sleeping areas, etc. shall be AFCI/GFCI type.
2. E-houses will require building permits from the city of Prince Albert. Permitting is expected to take 2-3 weeks based on discussions with the city.

AMENDMENTS TO THE SPECIFICATIONS

Reference: 13 34 23 E-HOUSE PREFABRICATED BUILDINGS

1. Revised section 2.1.1.
2. Added Section 3.3.

Reference: 01 21 00 - ALLOWANCES

1. Added section 1.2.8.1.1.

Reference: 26 05 22 – POWER CABLE – 5KV & 25KV

1. Added specification to contract documents.

Reference: 26 05 43.01 – INSTALLATION OF CABLES IN TRENCHES AND DUCTS

2. Delete section 2.2.1.

AMENDMENTS TO THE DRAWINGS

Reference: E0-00-01 – COVER PAGE

1. Updated drawing revisions.

Reference: E1-01-01 – ELECTRICAL SITE PLAN

1. Ductbank between A-6 Pump House and C-36 to be new as per detail 12 on drawing E3-01-01.
2. Man holes between A-6 Pump house and C-36 to be new as per key note 11 on drawing.

Reference: E3-01-02 – ELECTRICAL DETAILS

1. Delete requirement for fire alarm devices and integration with penitentiary fire alarm system.

Reference: E3-02-01 – ELECTRICAL DETAILS

1. Revise feeder labeling on details 12 and 13 to read 'BW' in lieu of 'B8'.
2. Added local panel board and transformer for shore power to E-house.
3. Delete requirement for fire alarm devices and integration with penitentiary fire alarm system.

Reference: E3-03-01 – ELECTRICAL DETAILS

1. Delete requirement for fire alarm devices and integration with penitentiary fire alarm system.
2. Added local panel board and transformer for shore power to E-house.

Reference: E6-02-01 – ELECTRICAL DISTRIBUTION SCHEDULES

1. Added distribution panelboards to E-houses.

Reference: E6-02-02 – ELECTRICAL EQUIPMENT AND MCC

1. Added transformers to E-houses.
2. Revised transformer names for panel EA and EB in B-2.

Reference: E6-03-01 – ELECTRICAL SCHEDULES

1. Added 2PPC29-E1.

Reference: E6-03-02 – ELECTRICAL SCHEDULES

1. Added TXC29-E1.

Reference: E6-04-01 – ELECTRICAL SCHEDULES

1. Added transformers for replacement in Unit 6.

Reference: E7-02-06 – NEW BE & B-4 LOAD CENTER

1. Added transformer and panelboard for BE E-house shore power.

Reference: E7-02-07 – NEW BE1 & BW LOAD CENTER

1. Added transformers and panelboards for BE1 & BW E-house shore power.

Reference: E7-03-03 – NEW C-13 LOAD CENTER

1. Added digital metering unit to 6CDPC24-E1.

Reference: E7-04-05 – NEW UNIT 6 LOADCENTER

1. Revise existing 150kVA transformer to be replaced with new.

Reference: E1-05-01 – ELECTRICAL SITE PLAN

1. Revise references to 100mm ducts to 125mm ducts to align with typical duct bank details.
2. Delete text and leader for 'New 600V Ductbank to Feed F-25 and F-72'. Located on duct bank south of building F-28.

Attachments:

01 21 00 – Allowances
13 34 23 – E-house Prefabricated Buildings
26 05 22 – Power Cable – 5kV & 25kV
E0-00-01
E3-02-01
E3-03-01
E6-02-01
E6-02-02

E6-03-01

E6-03-02

E6-04-01

E7-02-06

E7-02-07

E7-03-03

E7-04-05

END OF ADDENDUM NO. 2