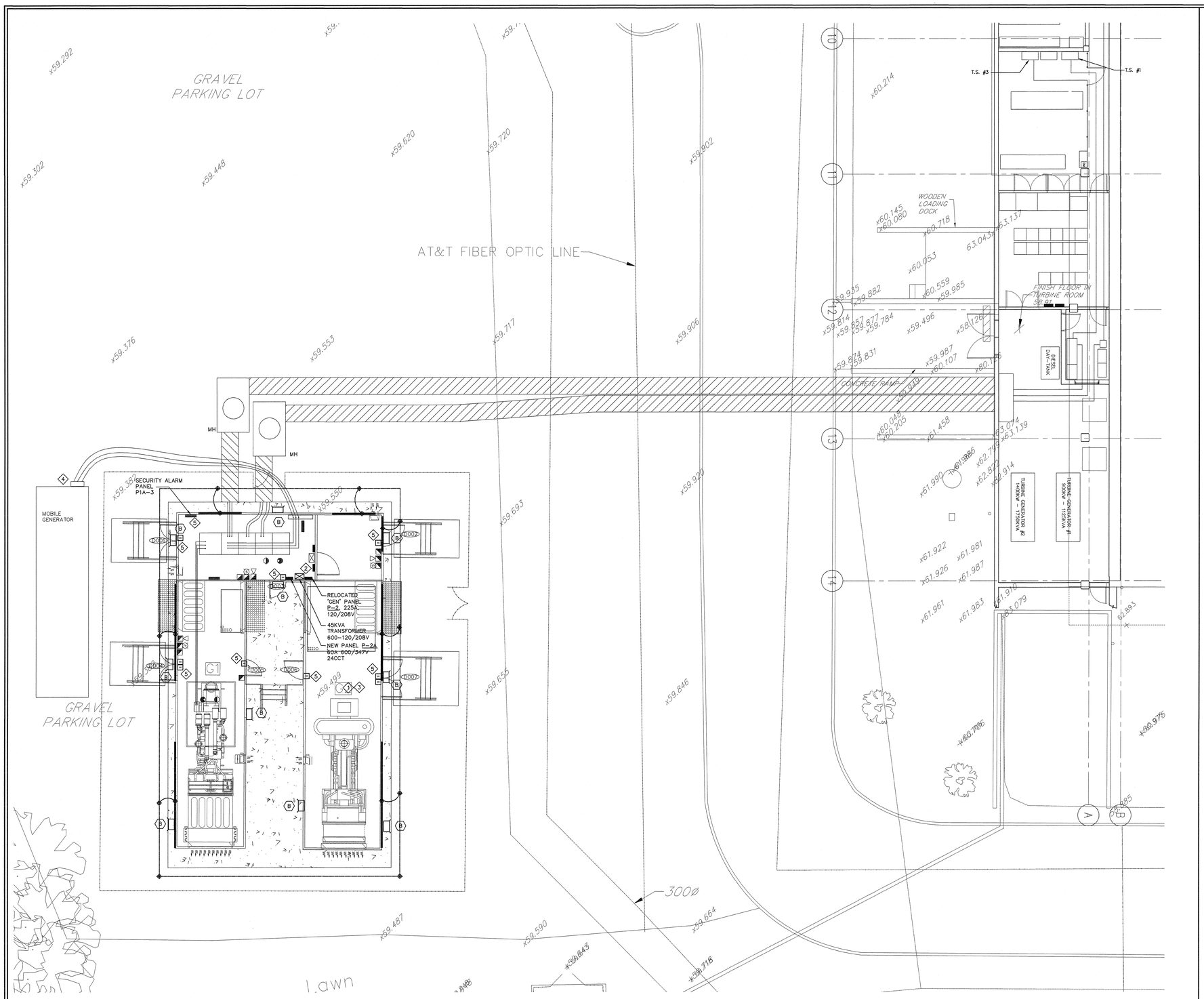

1 / E7 POWER AND SYSTEMS – NEW LAYOUT – STAGE 7

SCALE 1:100

SEQUENCE OF IMPLEMENTATION – STAGE 7

NOTE: BEFORE STARTING STAGE 7 WORK, CONTRACTOR MUST REVIEW THE CONDITION OF GENSET G2 AT 875 HERON RD SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISCONNECT, TRANSPORT, RELOCATE THE GENSET TO THE CURRENT WORK SITE.

1. ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE FOR ACCESS AT 875 HERON RD SITE. IT IS PART OF THIS CONTRACT TO PUT IN PLACE THE GENERATOR AND ENCLOSURE AND ALL ASSOCIATED EQUIPMENT.
2. TEST AND COMMISSION DIESEL GENERATOR G2 PRIOR TO CONNECTING TO ELECTRICAL DISTRIBUTION SYSTEM.
3. SET A.T.S. IN ESB–1 TO SUPPORT ALL LOADSROM GENERATOR G1 ONLY.
4. DISCONNECT TEMPORARY GENERATOR UNIT AND REMOVE CONNECTION FROM EXTERIOR SPLITTER TO ESB–1.
5. PROVIDE WIRE AND CONDUIT FROM GENERATOR G2 TO ESB–1 AS INDICATED.
6. DISCONNECT PANEL P–1 FROM FEEDER COMING FROM EXISTING PANEL BP–2. CONNECT PANEL P–1 TO FEEDER COMING FROM EXISTING PANEL PP1.
7. CONNECT RELOCATED PANEL P–2 TO FEEDER COMING FROM EXISTING PANEL BP–2.
8. SET A.T.S. IN ESB–1 BACK TO 'AUTO', TO SUPPORT LOAD FROM G1 AND G2.

NOTES:

1. REFER TO DRAWING E10 FOR DISCONNECTION AND RELOCATION OF EXISTING GENSET AND ENCLOSURE AT 875 HERON RD.
2. CONNECT FEEDER FROM EXISTING PANEL BP–2 INSTALLED IN STAGE 5 TO NEW PANEL P–2A AND RELOCATED EQUIPMENT FROM 875 HERON RD; 45KVA TRANSFORMER AND 'GEN' PANEL P–2. FEED FROM PANEL BP–2 INSIDE THE BUILDING AS INDICATED
3. MOUNT AND SECURE GENERATOR G2 ON CONCRETE PAD. PROVIDE ALL NECESSARY WIRING TO CONNECT THE FOLLOWING EXISTING SYSTEMS:
   - EMERGENCY GENERATOR POWER
   - GENERATOR CONTROL
   - GENERATOR BATTERY CHARGER
   - BLOCK HEATER
   - FIRE ALARM SYSTEM
   - LIGHTING AND RECEPTACLES
4. UPON COMPLETION OF G2 INSTALLATION, DISCONNECT AND REMOVE TEMPORARY MOBILE GENERATOR
5. PROVIDE SECURITY ALARM PANEL AND ASSOCIATED DEVICES AS INDICATED. REFER TO DETAIL 6/E9 FOR CONNECTION DETAIL. CONNECT TO MAIN SECURITY PANEL IN THE BUILDING

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A / C — A detail no. / no. du détail; B location drawing no. / sur dessin no.; C drawing no. / dessin no.

A / B C

project / projet

GOUVERNEMENT OF CANADA

TURBINE REPLACEMENT

drawing / dessin

ELECTRICAL –
POWER AND SYSTEMS –
NEW LAYOUT STAGE 7

designed / date	A.M/M.E.M.	concu
drawn / date	M.E.M./I.M.	dessiné
revised / date	M.E.M.	revisé
approved / date	A.M.	approuvé
Tender / PWC Project Manager	C. CAMPBELL	Soumission / Administrateur de projet

project no. / no du projet: R.055763.002

drawing no. / no du dessin: E7 OF 15

2013/02/28

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