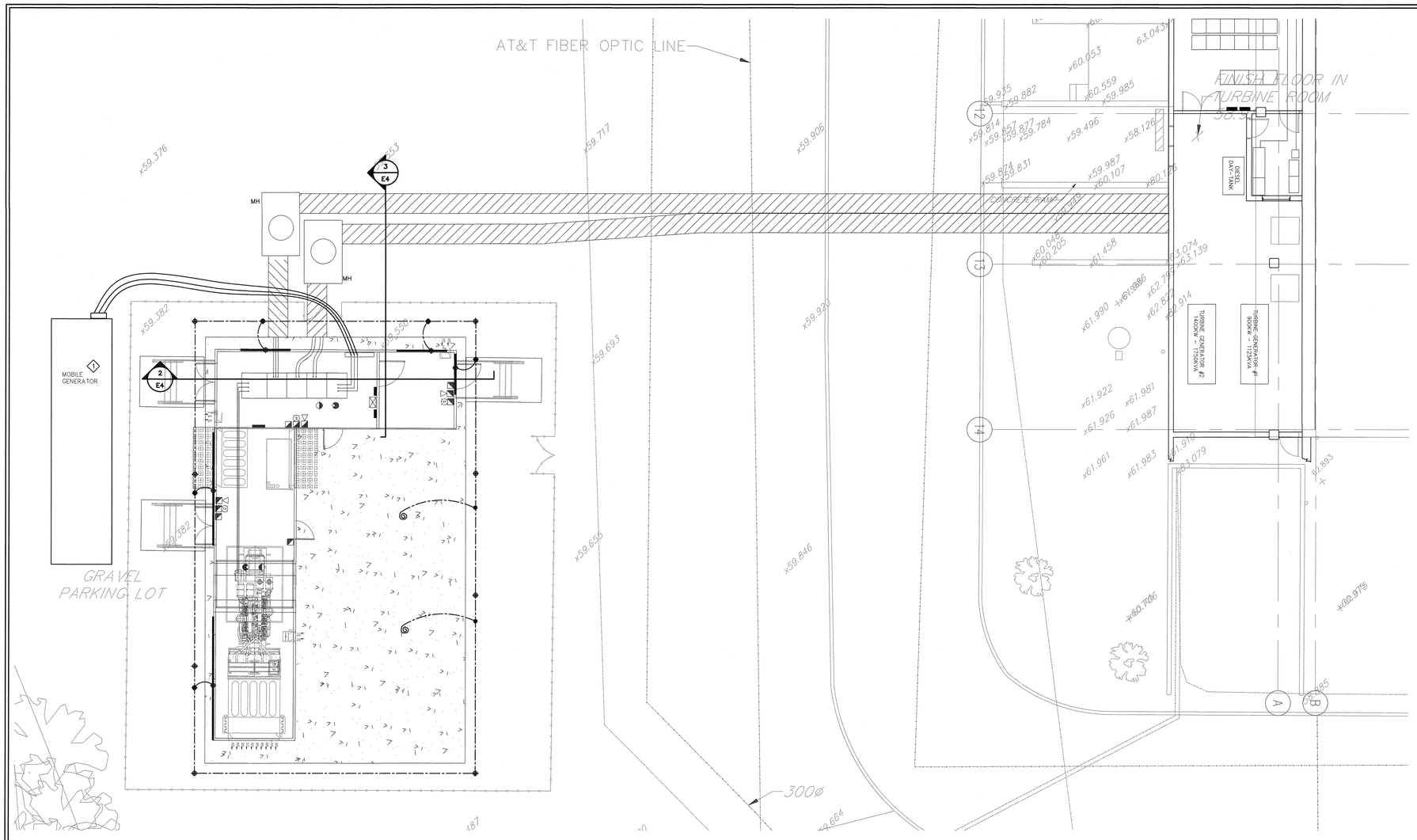


1 / E4 POWER AND SYSTEMS – NEW LAYOUT – STAGE 4

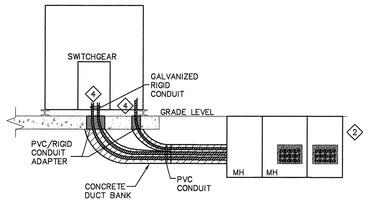
SCALE 1:100

SEQUENCE OF IMPLEMENTATION – STAGE 4

1. PROVIDE UNDERGROUND DUCT BANK AS INDICATED.
2. PROVIDE NEW GENERATOR G1 COMPLETE WITH WALK-IN ENCLOSURE AND ALL ASSOCATED ELECTRICAL EQUIPMENT AS INDICATED.
3. PROVIDE WIRE AND CONDUIT FROM GENERATOR TO ESB-1 AS INDICATED. REFER TO SINGLE LINE DIAGRAM FOR CONNECTIONS DETAILS.
4. PROVIDE TEMPORARY GENERATOR AND CONNECT TO ESB-1 AS INDICATED. TEMPORARY GENERATOR IS TO BE SUPPLIED FOR THE ENTIRE TIME UNTIL SECOND GENERATOR RELOCATED FROM 875 HERON RD SITE AND CONNECTED TO THE ELECTRICAL DISTRIBUTION SYSTEM.
5. SET THE SWITCHBOARD ESB-1 ATS SCHEME TO MANUAL MODE WITH GENSET 1 AS THE PREFERRED SOURCE.

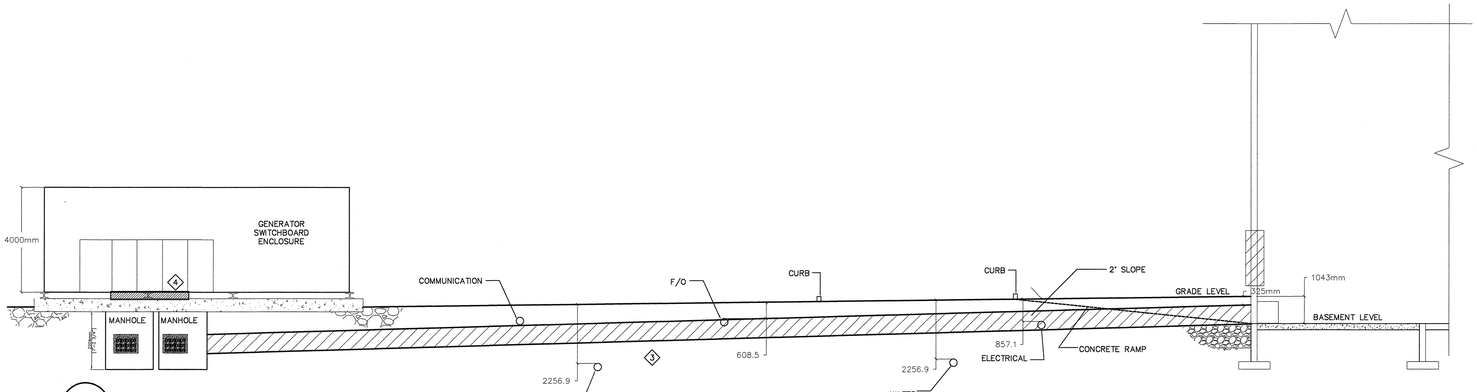
NOTES:

1. PROVIDE TEMPORARY MOBILE GENERATOR AND CONNECT TO ELECTRICAL DISTRIBUTION SYSTEM THROUGH SPLITTER BOX AS INDICATED. MOBILE GENERATOR IS TO BE AVAILABLE UNTIL COMPLETION WORK ON GENERATOR G2. PROVIDE MOBILE GENERATOR FEEDERS ABOVE GROUND COMPLETE WITH PROTECTIVE COVER
2. COORDINATE MANHOLE DEPTH WITH CIVIL REQUIREMENTS.
3. COORDINATE DUCT BANK INSTALLATION WITH CIVIL REQUIREMENTS AND EXISTING SERVICES.
4. PROVIDE FRAMED OPENING IN ENCLOSURE AS INDICATED AS TO ALLOW INSERTION OF FEEDERS TO THE ENCLOSURE. RETAIN THE SERVICE OF A STRUCTURAL ENGINEER TO CUSTOM DESIGN THE STRUCTURAL RE-INFORCEMENT BENEATH THE ENCLOSURE.



3 / E4 ENCLOSURE AND DUCT BANK ELEVATION DETAIL

SCALE 1:100



2 / E4 ENCLSOURE AND DUCT BANK RUN DETAIL

SCALE 1:100

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

National Centre of Expertise
Architectural and Engineering Services
Real Property Services Branch

Centre d'expertise national
Services d'architecture et génie
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PROVINCE OF ONTARIO

révisions	description	date
00	ISSUED FOR TENDER	FEB 28,2013

A / C — A detail no. / no. du détail; B location drawing no. / no. 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 4 DWG 2

designed / concu	A.M/M.E.M.
date	
drawn / dessiné	M.E.M./I.M.
date	
revised / revisé	M.E.M.
date	
approved / approuvé	A.M.
date	
Tender / Soumission	C. CAMPBELL
PWC Project Manager / Administrateur de projet	
project no. / no du projet	R.055763.002
drawing no. / no du dessin	E4 OF 15

2013/02/28

G:\2012\B012\B012-035\MBBP Drawings\Elect\3- Issued for Tender\B012035_E3_E4_Stage 4.dwg