

Docket Optical System - RERC 3&4 Project (08-SPPE-1) - Additional Information for Transmission Engineering (113560)

From: <mtatterson@powereng.com>
To: <Fmiller@energy.state.ca.us>
Date: 7/22/2008 7:50 AM
Subject: RERC 3&4 Project (08-SPPE-1) - Additional Information for Transmission Engineering (113560)
CC: <whitney.mereness@powereng.com>, <dtateosian@powereng.com>, <allanori@comcast.net>, <bgill@riversideca.gov>, <Dfine@riversideca.gov>, <harry.hall@powereng.com>
Attachments: permit Overall One-Line Diagram.pdf; ECS0E4101-05_RA Model (1).pdf; ECGSKE-2 (2).pdf; ECGSKE-3 (2).pdf

Hello Felicia:

Attached is additional preliminary engineering information including the following:

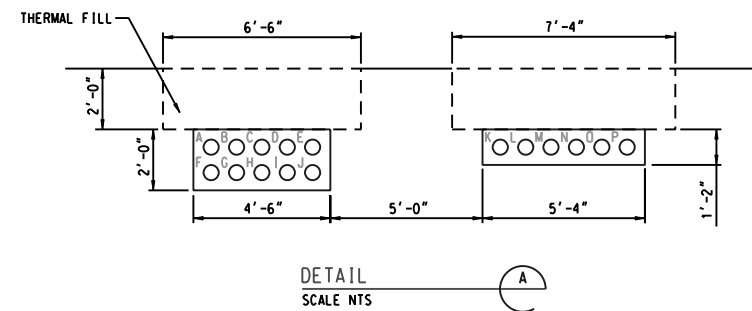
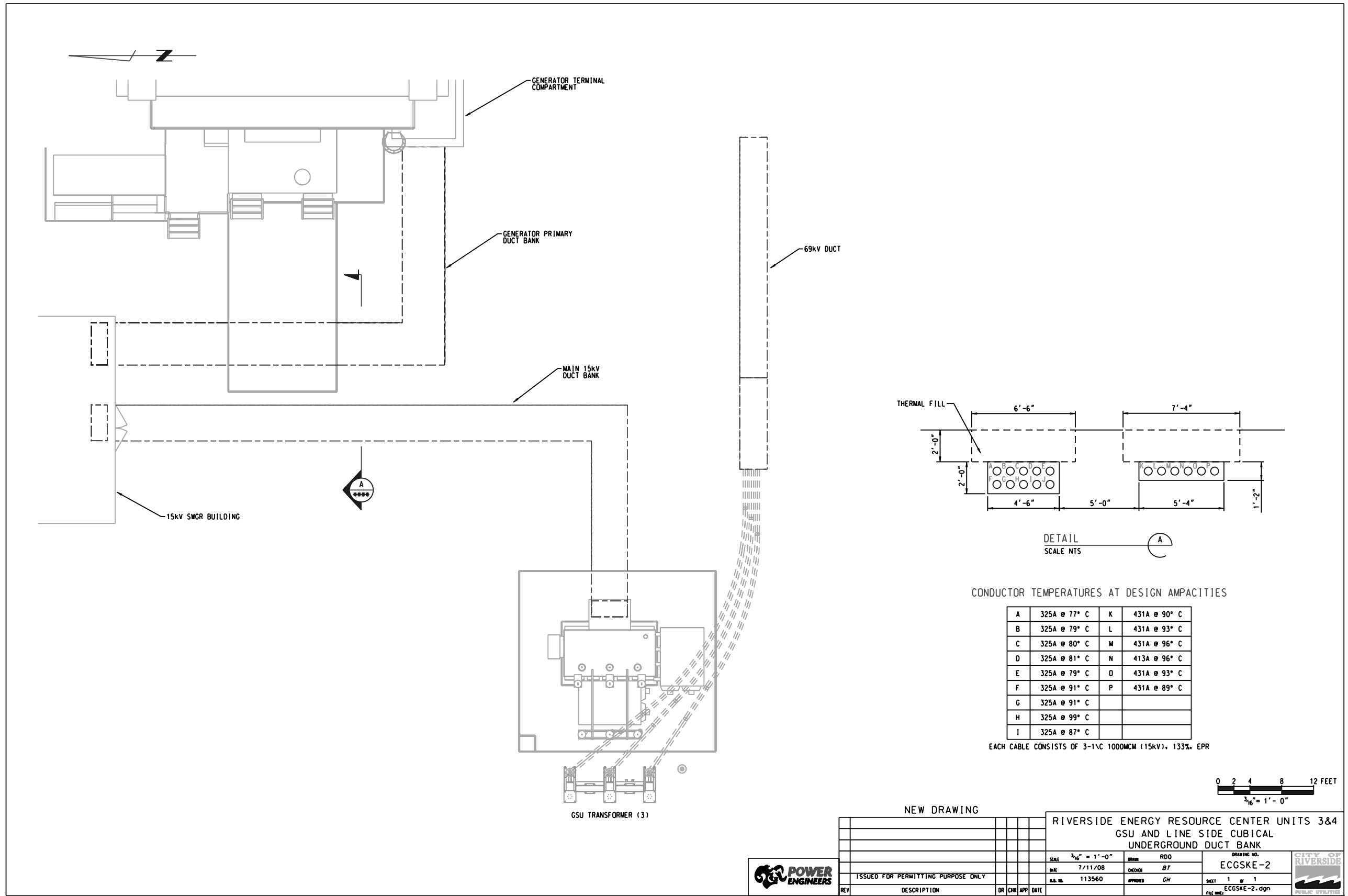
- 1) Sketches ECGSKE-2 and ECGSKE-3 depicting the GSU and lineside cubical and duct bank.
- 2) Permit overall one-line diagram annotated with 69kV feeder, main 15kV duct, and generator primary locations.
- 3) Drawing ECS0E4101-05 RA Model (1) depicting the 69kV switchyard sections.

I will also be sending more information via separate email later today. Call me at 208-890-3576 if you have any questions.

Kindest Regards,

Mike Tatterson
 RERC 3&4 Permitting Lead
 POWER Engineers, Inc.

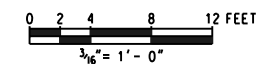
DOCKET	
08-SPPE-1	
DATE	<u>JUL 22 2008</u>
RECD.	<u>JUL 25 2008</u>



CONDUCTOR TEMPERATURES AT DESIGN AMPACITIES

A	325A @ 77° C	K	431A @ 90° C
B	325A @ 79° C	L	431A @ 93° C
C	325A @ 80° C	M	431A @ 96° C
D	325A @ 81° C	N	413A @ 96° C
E	325A @ 79° C	O	431A @ 93° C
F	325A @ 91° C	P	431A @ 89° C
G	325A @ 91° C		
H	325A @ 99° C		
I	325A @ 87° C		

EACH CABLE CONSISTS OF 3-1XC 1000MCM (15kV), 133%, EPR



NEW DRAWING

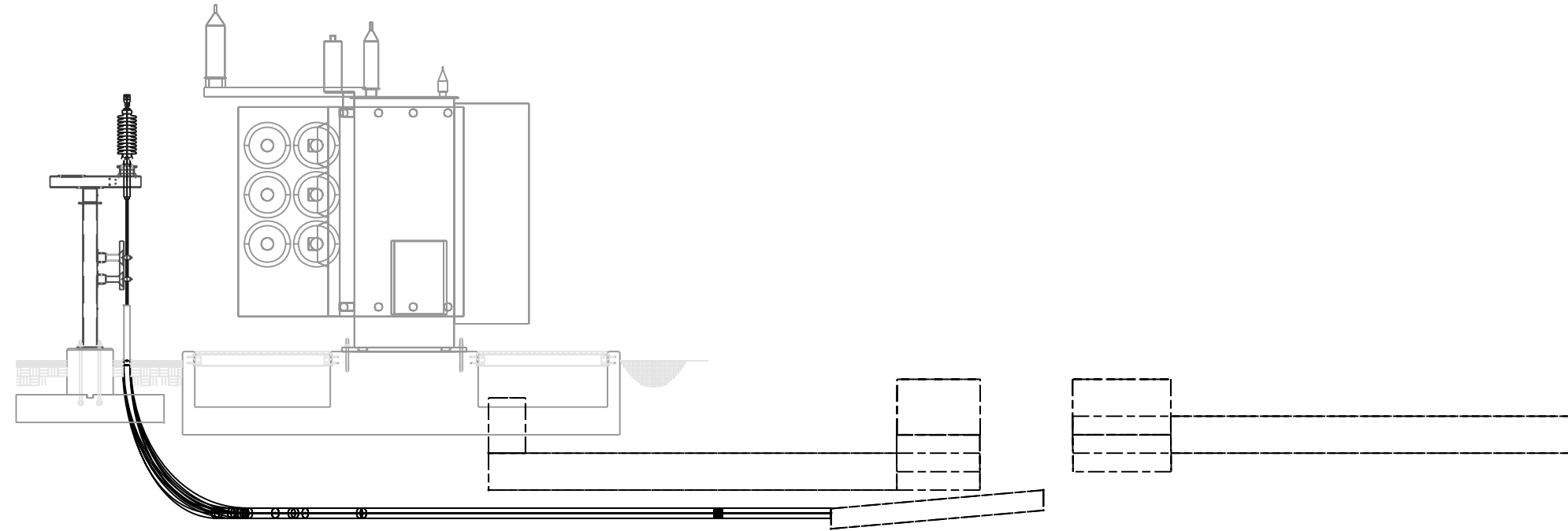
RIVERSIDE ENERGY RESOURCE CENTER UNITS 3&4
GSU AND LINE SIDE CUBICAL
UNDERGROUND DUCT BANK



REV	DESCRIPTION	DR	CHK	APP	DATE

SCALE	3/16" = 1'-0"	DATE	7/11/08	DRAWN	RDO	CHECKED	BT	APPROVED	GH	DRAWING NO.	ECGSKE-2
ISSUED FOR PERMITTING PURPOSE ONLY		S.A. NO.	113560							SHEET	1 OF 1
										FILE NAME	ECGSKE-2.dgn





GSU TRANSFORMER (3)



NEW DRAWING

RIVERSIDE ENERGY RESOURCE CENTER UNITS 3&4
 GSU AND LINE SIDE CUBICAL
 UNDERGROUND DUCT BANK



REV	DESCRIPTION	DR	CHK	APP	DATE

SCALE	1/4" = 1'-0"
DATE	7/14/08
S.D. NO.	113560

DRAWN	RDO
CHECKED	BT
APPROVED	GH

DRAWING NO.	ECKSKE-3
SHEET	1 of 1
FILE NAME	ECKSKE-3.dgn

