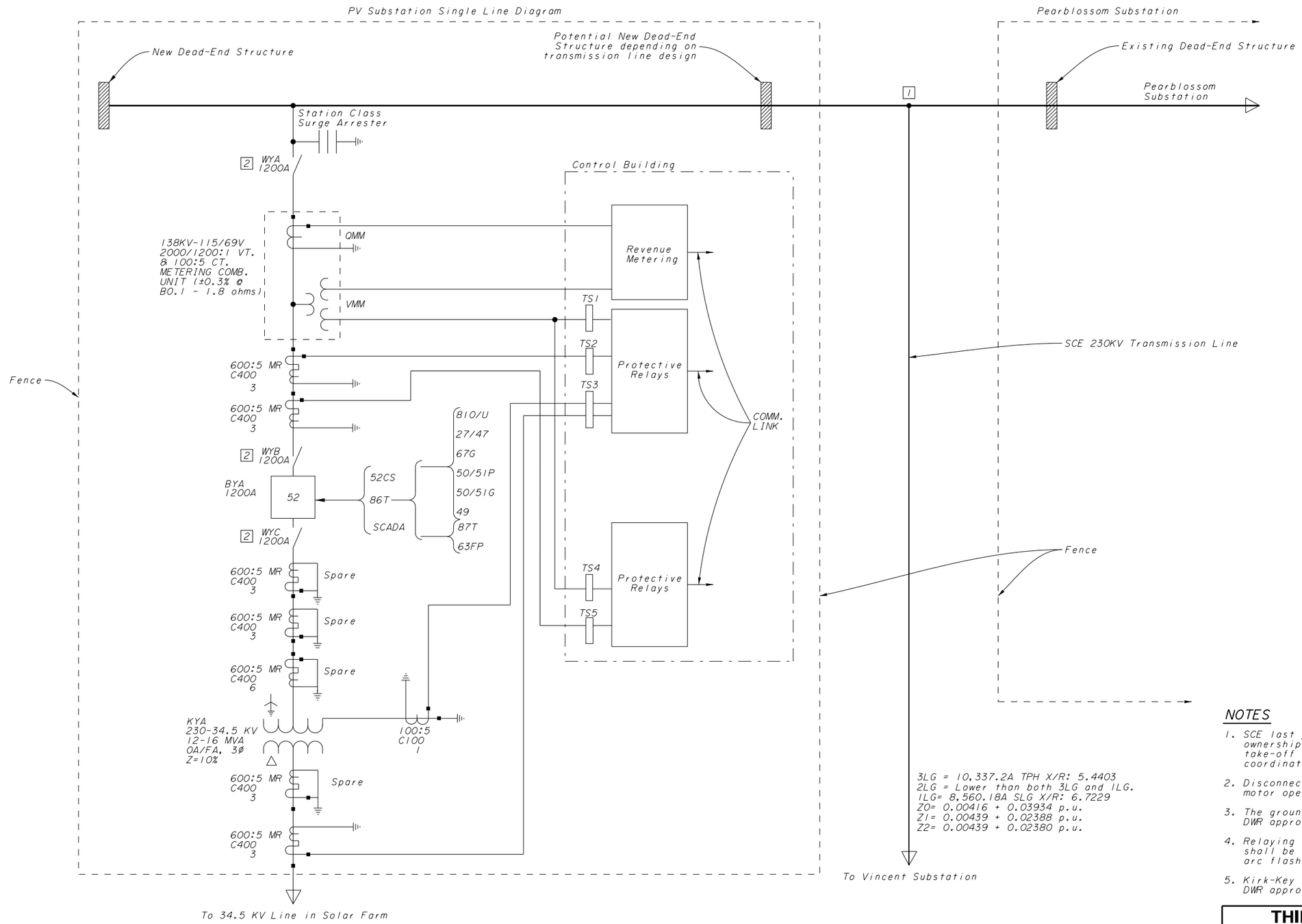

3LG = 10,337.2A TPH X/R: 5.4403
2LG = Lower than both 3LG and 1LG.
1LG= 8,560.18A SLG X/R: 6.7229
Z0= 0.00416 + 0.03934 p.u.
Z1= 0.00439 + 0.02388 p.u.
Z2= 0.00439 + 0.02380 p.u.

NOTES

1. SCE last pole and proposed point of change of ownership. DWR proposes re-design to allow take-off in either direction. This is to be coordinated with SCE.
2. Disconnect Switches shall be equipped with electric motor operators.
3. The ground grid design shall be submitted for DWR approval.
4. Relaying shown is typical. The actual relaying shall be determined by short circuit, coordination, arc flash studies, and SCE requirements.
5. Kirk-Key interlock system shall be submitted for DWR approval.

THINK SAFETY – ACT SAFELY

REV.	DATE	DESCRIPTION	SUB.	APP'D

DESIGNED: Babak Kaviani
CHECKED: Derrick Bell
DRAWN: Eric Gifford
REVIEWED: Melissa R. McKeand, REG. E.E. No. 17283
SUBMITTED: Melissa R. McKeand, REG. E.E. No. 17283

APPROVAL RECOMMENDED: DATE:
APPROVAL RECOMMENDED: DATE:
APPROVED: DATE:

REGISTERED PROFESSIONAL ENGINEER MELISSA R. MCKEAND No. 17283 Exp. 6-30-16 ELECTRICAL STATE OF CALIFORNIA

STATE OF CALIFORNIA
CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF ENGINEERING
STATE WATER FACILITIES

CALIFORNIA AQUEDUCT–MOJAVE DIVISION
PEARBLOSSOM SOLAR SUBSTATION
PROPOSED SINGLE LINE DIAGRAM

SPEC. No.
DRAWING No.
REV. SHEET No.

4/14/2015

Pre-2015 Archive Drawings