

*Southern California Edison*  
**MESA PTC A.15-03-003**

**DATA REQUEST SET A.15-03-003 ED-SCE-01**

**To:** ENERGY DIVISION  
**Prepared by:** Scott Lacy, P.E.  
**Title:** Project Engineer  
**Dated:** 05/22/2015

---

**Question Q.41:**

**Retaining Walls**

Provide locations and associated temporary disturbance areas for the retaining walls that would be constructed or demolished during the proposed substation construction phases.

**Response to Question Q.41:**

All retaining walls would be constructed within the boundary of the overall substation construction area, therefore the associated disturbance areas are already captured within the calculated areas for grading provided in the PEA.

Two permanent retaining walls are required. The first would be located on the north side of the substation along Potrero Grande Drive, approximately 1,500 feet long, and would be a maximum of approximately 18 feet tall. The second would be located on the northeast side of the substation along Greenwood Avenue, approximately 250 feet long, and would be a maximum of approximately 16 feet tall. In both cases, the 10 foot tall substation perimeter wall would be mounted to the top of the retaining wall. In these cases, the exterior view of the substation, looking from either Potrero Grande Drive and Greenwood Avenue, would only be the 10' perimeter wall.

In addition, two temporary retaining walls are expected to be needed during initial site grading in the southwest portion of the substation, near the existing 220 kV transmission lattice steel towers, in order to create sufficient areas to assemble and erect the replacement towers in that area. When the new towers are constructed, the retaining walls will be removed and grading around those areas would be free to complete.

The approximate locations of the retaining walls described above, both permanent and temporary, are shown on the attachment titled "Mesa Sub - DR#1 Q41 - Retaining Wall exhibit.pdf."