

1 (April 2, 2012)

2 **Specific Erection Requirements for Precast Concrete Block Faced**
3 **Structural Earth Walls**

4 **Landmark Retaining Wall**

5 When placing each course of concrete blocks, the Contractor shall pull the
6 blocks towards the front face of the wall until the male key of the bottom
7 face of the upper block contacts and fits into the female key of the top face
8 of the supporting block below.

9
10 A maximum gap of 1/8-inch is allowed between adjacent concrete blocks,
11 except for the base course set of concrete blocks placed on the leveling
12 pad. A maximum gap of 1-inch is allowed between adjacent base course
13 concrete blocks, provided geosynthetic reinforcement for drains is in place
14 over the gap at the back face of the concrete blocks.

15
16 Lock bars shall be installed in the female key of the top face of all concrete
17 block courses receiving geogrid reinforcement. Gaps between adjacent
18 lock bars in the key shall not exceed 3-inches. The lock bar shall be
19 installed flat side up, with the angled side to the back of the concrete block,
20 as shown in the shop drawings.

21
22 Geogrid reinforcement shall be placed and connected to concrete block
23 courses specified to receive soil reinforcement. The leading edge of the
24 geogrid reinforcement shall be maintained within 1-inch of the front face of
25 the supporting concrete blocks below. Geogrid panels shall be abutted for
26 100 percent backfill coverage with less than a 4-inch gap between
27 adjacent panels.

28
29 Backfill shall be placed and compacted level with the top of each course of
30 concrete blocks, and geogrid reinforcement placed and connected to
31 concrete block courses specified to receive soil reinforcement, before the
32 Contractor may continue placing the next course of concrete blocks.

33
34 **Mesa Wall**

35 For all concrete block courses receiving geogrid reinforcement, the fingers
36 of the block connectors shall engage the geogrid reinforcement apertures,
37 both in the connector slot in the block, and across the block core. For all
38 concrete block courses with intermittent geogrid coverage, a #3 steel
39 reinforcing bar shall be placed, butt end to butt end, in the top block
40 groove, with the butt ends being placed at a center of a concrete block.