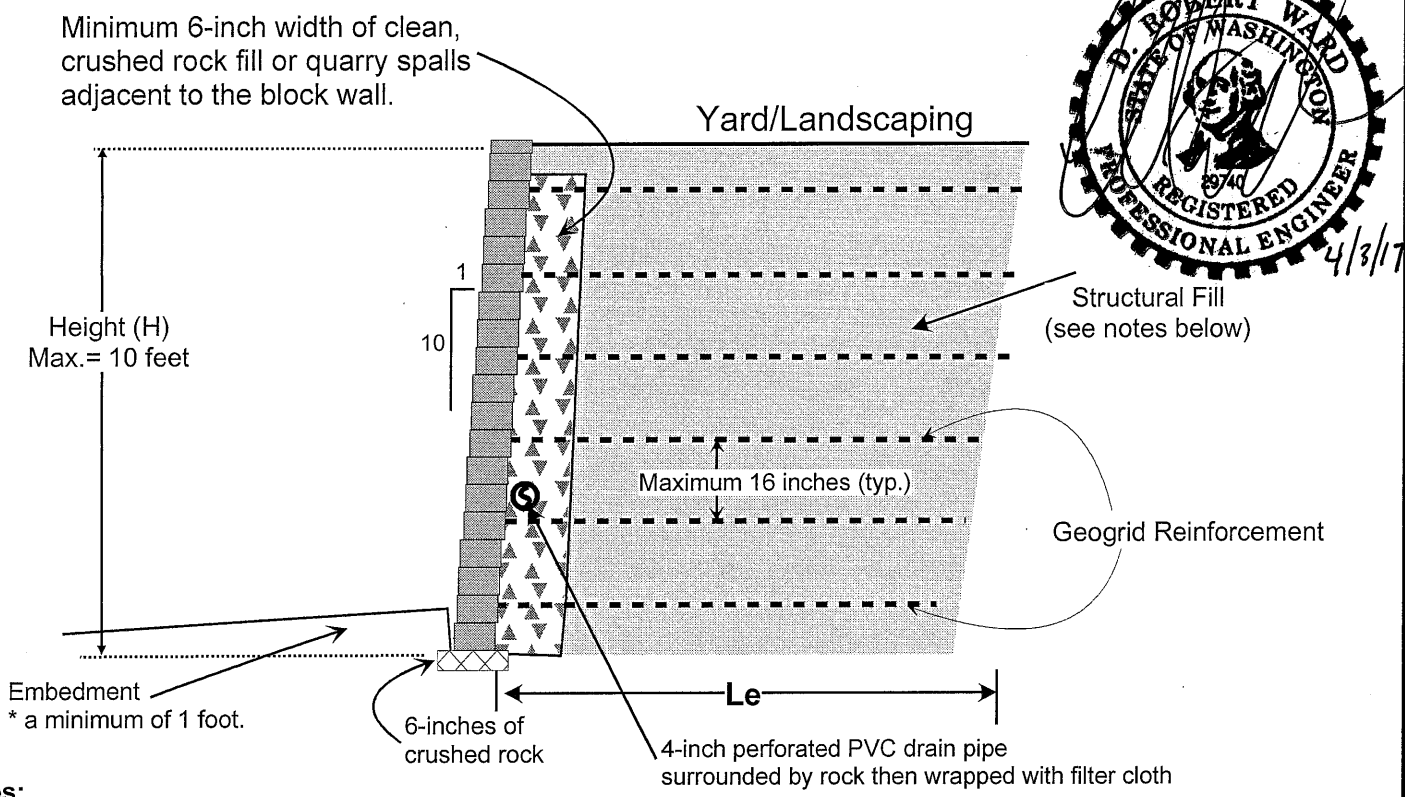

D. ROBERT WARD
STATE OF WASHINGTON
29740
REGISTERED
PROFESSIONAL ENGINEER
4/3/17

Notes:

1. Segmental block walls shall be constructed by an experienced contractor in accordance with this detail.

2. Geogrid reinforcement shall be Huesker 35/20-20 or equivalent, with a maximum separation of 16 inches between geogrid layers. Any substitutions must be approved by the geotechnical engineer. The lowest grid shall be placed between the 1st and 2nd row of blocks. The site soils should be overexcavated as illustrated. The embedment length of the geogrid, Le, should be equal to 0.67H. Le is measured from the back of blocks.

3. The minimum block width is 12 inches.

4. The base of the blocks shall bear on firm, existing soils. Some compaction of existing soils may be needed. The geogrids and structural fill should be placed horizontally.

5. Structural fill should be compacted as it is placed. No on-site soil should be used in the geogrid zone. Imported, granular structural fill should be used in geogrid zones. The geogrids and structural fill should be placed horizontally. Structural fill should have a fines content (material passing the #200 sieve) of less than 5 percent. A sample of any potential structural fill material must be submitted to the geotechnical engineer for approval before use at the site. The fill shall be compacted in a maximum of 12-inch lifts to at least 95 percent of the maximum dry density as determined by Modified Proctor (ASTM D-1557). Density tests should be taken as the fill is placed.

6. Surface water must be prevented from infiltrating into the Compacted Structural Fill. To accomplish this, the ground surface should be paved or covered with plastic immediately following completion of the reinforced fill.

7. Exposed slopes should be vegetated or hydroseeded following completion to reduce the potential for erosion.

GEOTECH
CONSULTANTS, INC.

SEGMENTAL BLOCK WALL DETAIL

82XX West Mercer Way
Mercer Island, Washington

Job	Date:		Plate:
14348	Mar. 2017		