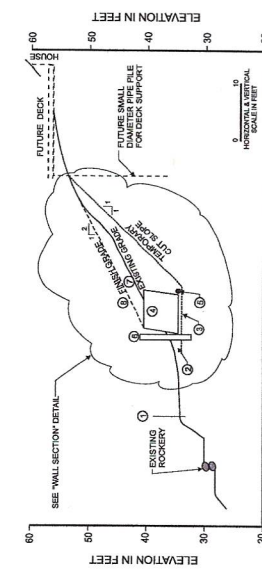
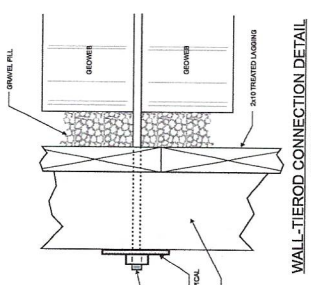


EX. 1094
1/13

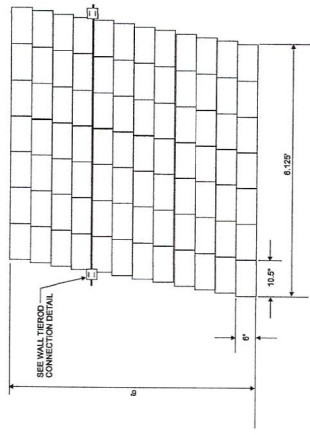


SLOPE CROSS SECTION A-A

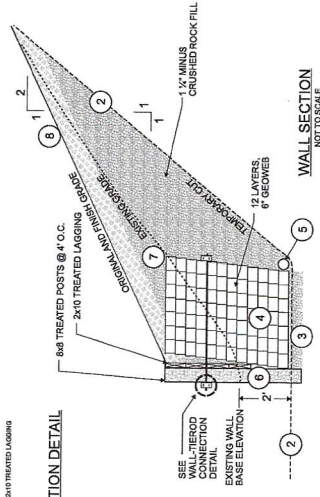
- ① Install fill fence/retention control per City of Mercer Island requirements.
- ② Excavate 2' minimum for wall base. Recompact subgrade to 92% of ASTM D-1557. Dispose of excess soil debris.
- ③ Install 6" thickness of 1-1/4" minus crushed rock leveling pad. Compact rock to 95% of ASTM D-1557.
- ④ Compact 6-foot wide by 6-foot high Geoweb reinforced fill using GW30068XX (XX in number of cells) per manufacturer's specifications. Fill Geoweb and surrounding area using 1-1/4" crushed rock.
- ⑤ Install 4" diameter perforated rigid PVC drain at base of GEOWEB. Extend drain to discharge at approved location.
- ⑥ Install treated timber wall. Provide anchor rods at each vertical post. Note: timber wall is a non-structural landscape element.
- ⑦ Fill to within 1 foot of finish grade using 1-1/4" crushed rock. Top 1 foot of fill to consist of Plastic Topsoil Winter Mix Topsoil, or equivalent.
- ⑧ Replant and match slope per owner. Remove temporary erosion control after vegetation is established.



WALL-TIERED CONNECTION DETAIL
NOT TO SCALE



GEOWEB DETAIL
NOT TO SCALE



WALL SECTION
NOT TO SCALE

- NOTES:**
- SITE AND FOUNDATION PREPARATION**
1. Start site preparation by removing debris and vegetative cover from the installation area.
 2. Excavate, shape and/or fill the foundation soils to the grades, elevations and dimensions shown on the construction drawings. In cut situations, the extent and scheduling of temporary excavations shall be approved by the project engineer.
 3. Geotechnical engineer should approve foundation soil to ensure that it meets minimum strength requirements assumed for the design. Remove unacceptable materials and replace with approved compacted fill.
- BASE AND SPREAD FOOTING INSTALLATION**
1. Place and compact 8-inch thickness of 1-1/4 inch minus crushed rock for base of wall. Compact to minimum 95% ASTM D-1557.
 2. Place drainage composites and/or pipes as required.
- INFILL**
3. Expand the specified GEOWEB Cellular Confinement System footing sections, dimensioned according to construction drawings, into designated position. Hold individual sections open in the expanded position using one of the following options. Other options are also accepted.
 - a. Rubber U-Clips, dimensioned according to section width and positioned inside selected outer cell walls.
 - b. Straight rebar stakes
 - c. Stretcher frames, assembled from common construction materials.
 4. Confirm that each GEOWEB Cellular Confinement System section is expanded uniformly to required dimensions and that outer cells are correctly aligned.
 5. Align and back-buff each back the edges of adjacent sections according to when side-wall profiles about. In all cases, ensure that the upper surfaces of adjoining GEOWEB Cellular Confinement System sections are flush at the top of joint. Fasten the adjoining sections together with staples.
 6. Placement of Cell Infill Material. Depending on site access conditions and available equipment for placing infill, sections can be filled as each section is expanded into position or infill placement can begin after all sections are expanded. Infill should be placed in 12 inch layers, compacted to a minimum of 95% of ASTM D-1557. In cut areas, extend the backfill to the limit of the cut slope. Heavy compaction equipment can be used to compact backfill material to a maximum of 0.9 m (3 ft) during placement. Overfill the cells with the specified granular infill material and level the surface to approximately 25 mm (1 in) above the top of the cell walls. This condition requires that material handling equipment traffic over the GEOWEB Cellular Confinement System sections, the operator must maintain sufficient granular cover to prevent damage to the cell walls.
 7. Compact the cell fill material to a minimum 90% Modified Proctor Dry Density (ASTM D-1557) and flush with the top of cell walls, using conventional compaction equipment and section or distention of a particular cell.
 8. Placement of Cellular Backfill. Cellular Confinement System wall and fascia sections and sections adjacent to a minimum 90% Modified Proctor Dry Density (ASTM D-1557) Cellular Confinement System wall or fascia section. As stated above, use lighter walk-behind compaction equipment to compact backfill material directly behind the wall sections. Outward lateral displacement of the GEOWEB Cellular Confinement System wall section is an indication that excessive compaction is occurring.
 9. When positioning the next layer, ensure that the proper setback for each layer is established per contract drawings and that the overall batter of the GEOWEB Cellular Confinement System wall face is maintained. In addition, proper side-to-side cell alignment needs to be maintained to prevent loss of cell infill material.
 10. After completion of each layer, remove excess infill materials flush to the top of the cell walls. The top of the cellular structure should be visible.
 11. Place, fill, and compact subsequent layers according to steps 1 through 8.

- INSTALLATION OF CELLULAR CONFINEMENT SYSTEM WALL AND FASCIA SECTIONS: INFILL PLACEMENT**
1. Expand specified GEOWEB Cellular Confinement System sections, dimensioned according to construction drawings, into designated position. Hold individual sections open in the expanded position using one of the following options. Other options are also accepted.
 - a. Rubber U-Clips, dimensioned according to section width and positioned inside selected outer cell walls.
 - b. Straight rebar stakes
 - c. Stretcher frames, assembled from common construction materials.
 2. Confirm that each GEOWEB Cellular Confinement System section is expanded uniformly to required dimensions and that outer cells are correctly aligned.
 3. Align and back-buff each back the edges of adjacent sections according to when side-wall profiles about. In all cases, ensure that the upper surfaces of adjoining GEOWEB Cellular Confinement System sections are flush at the top of joint. Fasten the adjoining sections together with staples.
 4. Placement of Cell Infill Material. Depending on site access conditions and available equipment for placing infill, sections can be filled as each section is expanded into position or infill placement can begin after all sections are expanded. Infill should be placed in 12 inch layers, compacted to a minimum of 95% of ASTM D-1557. In cut areas, extend the backfill to the limit of the cut slope. Heavy compaction equipment can be used to compact backfill material to a maximum of 0.9 m (3 ft) during placement. Overfill the cells with the specified granular infill material and level the surface to approximately 25 mm (1 in) above the top of the cell walls. This condition requires that material handling equipment traffic over the GEOWEB Cellular Confinement System sections, the operator must maintain sufficient granular cover to prevent damage to the cell walls.
 5. Compact the cell fill material to a minimum 90% Modified Proctor Dry Density (ASTM D-1557) and flush with the top of cell walls, using conventional compaction equipment and section or distention of a particular cell.
 6. Placement of Cellular Backfill. Cellular Confinement System wall and fascia sections and sections adjacent to a minimum 90% Modified Proctor Dry Density (ASTM D-1557) Cellular Confinement System wall or fascia section. As stated above, use lighter walk-behind compaction equipment to compact backfill material directly behind the wall sections. Outward lateral displacement of the GEOWEB Cellular Confinement System wall section is an indication that excessive compaction is occurring.
 7. When positioning the next layer, ensure that the proper setback for each layer is established per contract drawings and that the overall batter of the GEOWEB Cellular Confinement System wall face is maintained. In addition, proper side-to-side cell alignment needs to be maintained to prevent loss of cell infill material.
 8. After completion of each layer, remove excess infill materials flush to the top of the cell walls. The top of the cellular structure should be visible.
 9. Place, fill, and compact subsequent layers according to steps 1 through 8.

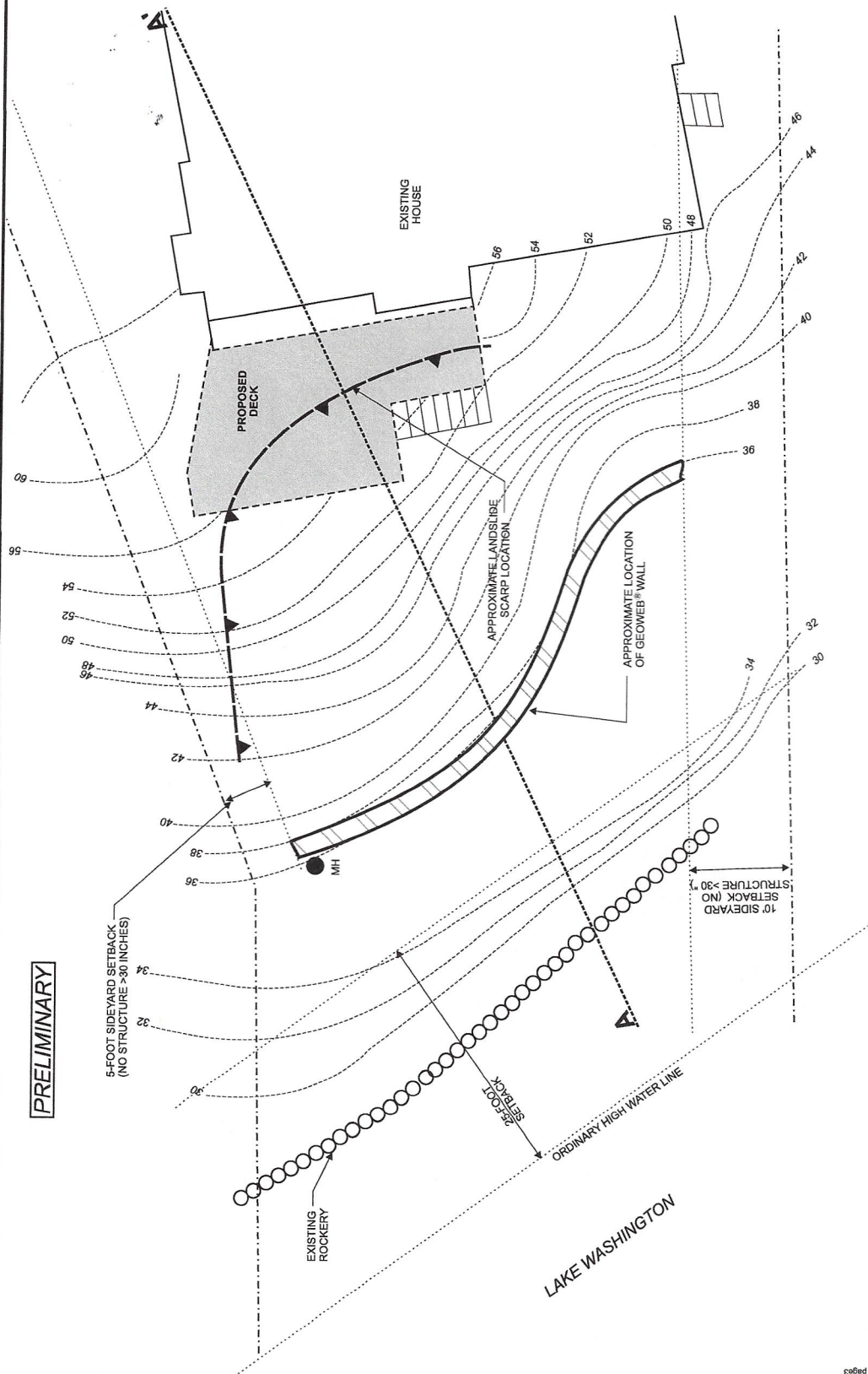
Associated Earth Sciences, Inc.



**COSON WALL
COSON SLOPE
MERCER ISLAND, WASHINGTON**

SHEET 1
DATE 6/03
PROJ. NO. KE03047A

EX. 1094
3/13



PRELIMINARY



SHEET 2
DATE 6/03
PROJ. NO. KEG03A7A

**SITE PLAN
COSON WALL
MERCER ISLAND, WASHINGTON**

REFERENCE: MAP PROVIDED BY CLIENT.
Associated Earth Sciences, Inc.

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