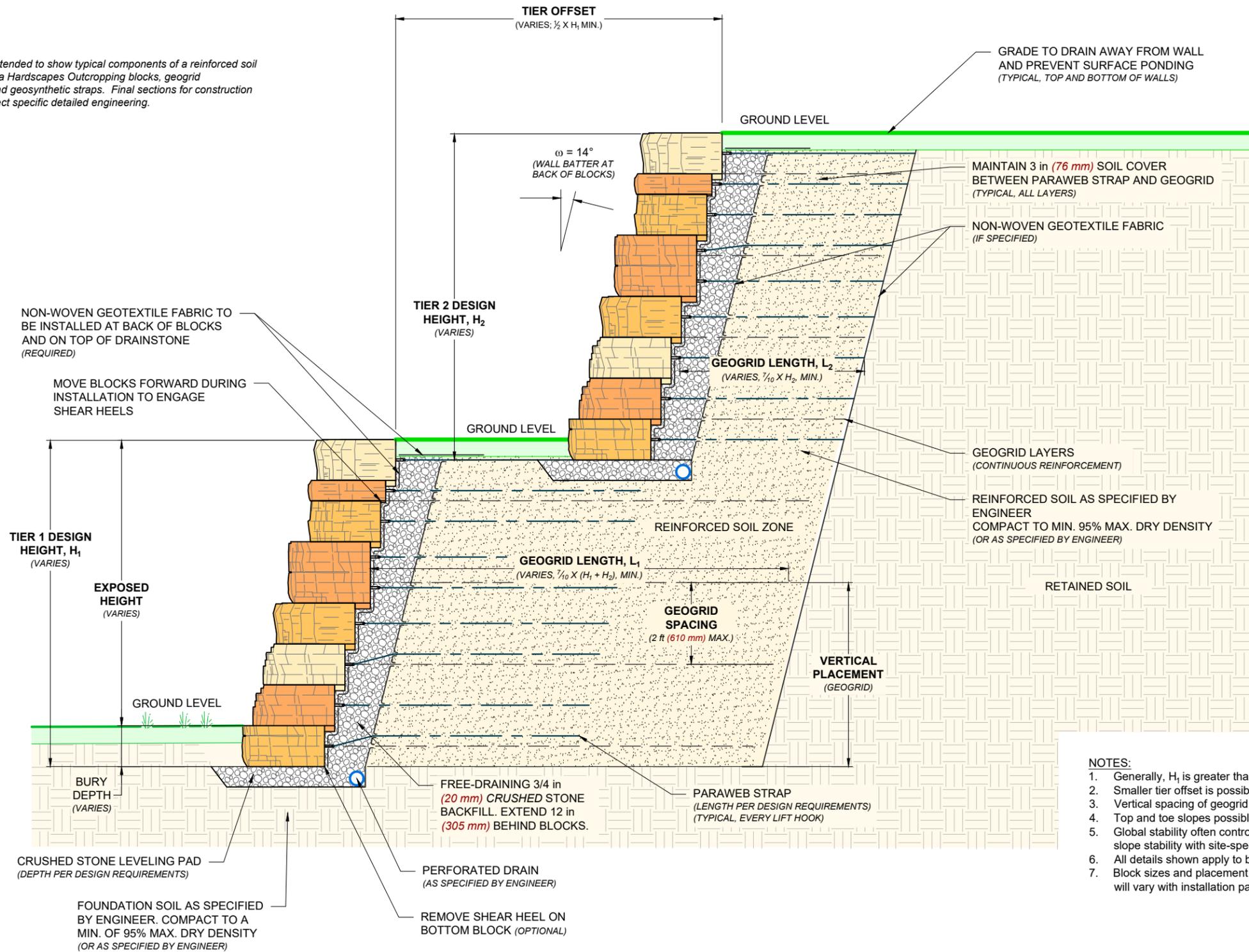


This drawing is intended to show typical components of a reinforced soil wall using Rosetta Hardscapes Outcropping blocks, geogrid reinforcement, and geosynthetic straps. Final sections for construction must be per project specific detailed engineering.



GRADE TO DRAIN AWAY FROM WALL AND PREVENT SURFACE PONDING (TYPICAL, TOP AND BOTTOM OF WALLS)

MAINTAIN 3 in (76 mm) SOIL COVER BETWEEN PARAWEB STRAP AND GEOGRID (TYPICAL, ALL LAYERS)

NON-WOVEN GEOTEXTILE FABRIC (IF SPECIFIED)

NON-WOVEN GEOTEXTILE FABRIC TO BE INSTALLED AT BACK OF BLOCKS AND ON TOP OF DRAINSTONE (REQUIRED)

MOVE BLOCKS FORWARD DURING INSTALLATION TO ENGAGE SHEAR HEELS

TIER 2 DESIGN HEIGHT, H_2 (VARIES)

GEOGRID LENGTH, L_2 (VARIES, $\frac{1}{10} \times H_2$, MIN.)

GEOGRID LAYERS (CONTINUOUS REINFORCEMENT)

REINFORCED SOIL AS SPECIFIED BY ENGINEER COMPACT TO MIN. 95% MAX. DRY DENSITY (OR AS SPECIFIED BY ENGINEER)

TIER 1 DESIGN HEIGHT, H_1 (VARIES)

EXPOSED HEIGHT (VARIES)

REINFORCED SOIL ZONE

GEOGRID LENGTH, L_1 (VARIES, $\frac{1}{10} \times (H_1 + H_2)$, MIN.)

RETAINED SOIL

GEOGRID SPACING (2 ft (610 mm) MAX.)

VERTICAL PLACEMENT (GEOGRID)

GROUND LEVEL

BURY DEPTH (VARIES)

CRUSHED STONE LEVELING PAD (DEPTH PER DESIGN REQUIREMENTS)

FOUNDATION SOIL AS SPECIFIED BY ENGINEER. COMPACT TO A MIN. OF 95% MAX. DRY DENSITY (OR AS SPECIFIED BY ENGINEER)

PERFORATED DRAIN (AS SPECIFIED BY ENGINEER)

REMOVE SHEAR HEEL ON BOTTOM BLOCK (OPTIONAL)

FREE-DRAINING 3/4 in (20 mm) CRUSHED STONE BACKFILL. EXTEND 12 in (305 mm) BEHIND BLOCKS.

PARAWEB STRAP (LENGTH PER DESIGN REQUIREMENTS) (TYPICAL, EVERY LIFT HOOK)

NOTES:

1. Generally, H_1 is greater than or equal to H_2 .
2. Smaller tier offset is possible with site-specific engineering.
3. Vertical spacing of geogrid reinforcing generally less than or equal to 2 feet (610 mm).
4. Top and toe slopes possible with site-specific engineering.
5. Global stability often controls tiered wall design. Geotechnical engineer should analyze slope stability with site-specific conditions.
6. All details shown apply to both tiers.
7. Block sizes and placement shown are for reference only. Individual Outcropping blocks will vary with installation pattern.

TYPICAL SECTION
(NO SCALE)

LEGEND:

- = GEOGRID
- - - = PARAWEB STRAP

DRAWN BY:
N. Lindwall/MRV
APPROVED BY:
J. Johnson
DATE:
16-MAR-2026
SHEET NO. :
1 of 1

TITLE:
TYPICAL REINFORCED TIERED WALL SECTION
DRAWING FILE:
Tiered Reinforced Wall - Typical Section.dwg

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed Professional Engineer using the actual conditions of the proposed site.

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