

ECO-MSE® BAG WALL CONFIGURATION

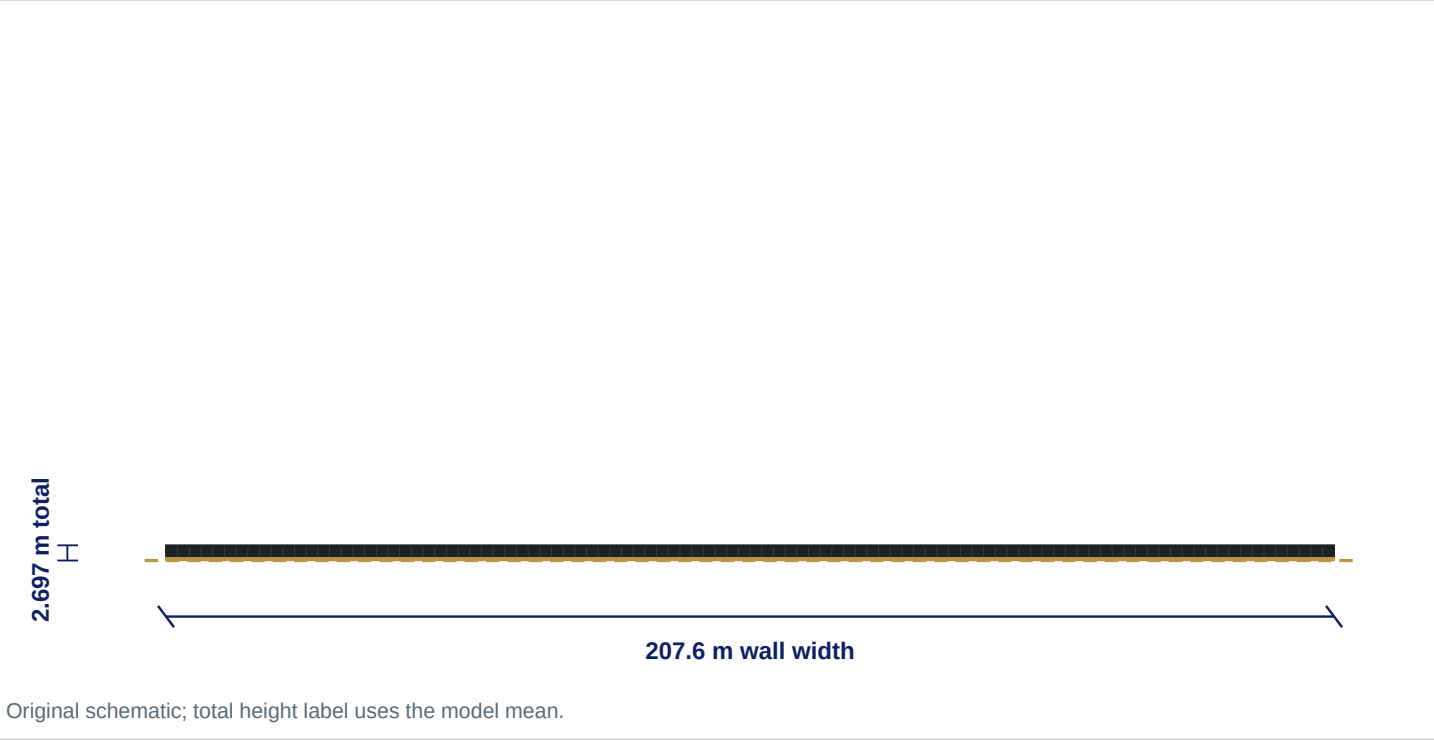
01 RIGHT-HAND SWALE

CLOSED WALL / 207.6 m toe perimeter / 2.397 m mean exposed / 0.30 m burial / 85° batter

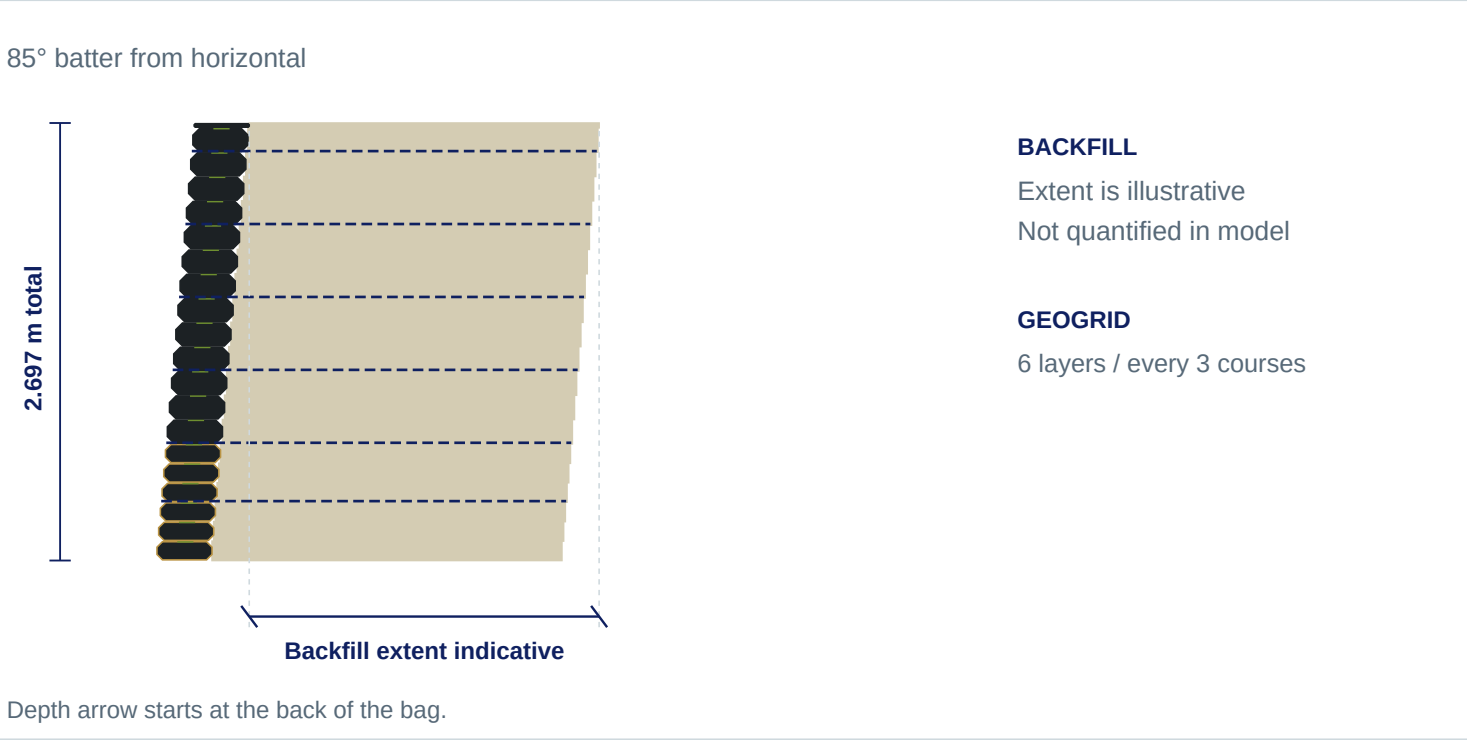
CONFIGURATION SUMMARY / CURRENT MODEL ESTIMATES

For reference only. Schematic, not a construction design.

01 FRONT ELEVATION



02 PROJECTED END SECTION



03 YOUR WALL CONFIGURATION

Closed toe perimeter	207.586 m
Exposed / retained height	2.397 m mean
Exposed height range	2.229 - 2.555 m
Burial allowance below base	0.30 m (included in quantities)
Total wall height including burial	2.697 m mean
Total / granular / soil courses	19-21 / 6 / 13-15 (partial top courses)
Granular zone / soil course height	0.72 m (6 x 120 mm) / 150 mm nominal
Wall batter / nominal bag plan	85° from horizontal / 780 x 340 mm
Base level / crest level	17.74 - 17.85 m / 20.06 - 20.34 m
Total face area / coverage rate	559.92 m² / 13 bags per m²
Usable land gained / optional fence	961.38 m² / 1.20 m high, 0.50 m setback
Backfill volume / fixed geogrid cut size	Not specified in the current model

04 ESTIMATED MATERIALS

Soil-filled bags	5,336	Granular-filled bags	1,944
410.46 m² soil face		149.46 m² granular face	
Total ECO-MSE® bags	7,280	Geogrid area	3,114 m²
Includes 0.30 m burial		6 layers	

05 ARRANGEMENT & ESTIMATE BASIS

Quantities use the current model geometry at 13 bags/m², with each fill rounded up separately. The first 0.72 m is granular filled and includes the 0.30 m burial. Soil bags fill the remaining height. The swale uses a length-weighted height; the model includes partial top courses. No waste allowance is added. Geogrid extents are illustrative; all quantities and areas remain estimates subject to change pending final design.

ECO-MSE® / GEOGRID LAYER SCHEDULE

01 RIGHT-HAND SWALE

207.6 m closed toe perimeter / 6 layers / 3,114 m² model allowance

LAYER AREAS AND POSITIONS FROM THE CURRENT MODEL				Layer areas are illustrative plan areas, not a cutting schedule.
Layer	Installation position	Above wall bottom	Above local base	Model area, m²
01	After course 3	0.36 m	0.06 m	517.55
02	After course 6	0.72 m	0.42 m	518.05
03	After course 9	1.17 m	0.87 m	518.67
04	After course 12	1.62 m	1.32 m	519.29
05	After course 15	2.07 m	1.77 m	519.91
06	After course 18	2.52 m	2.22 m	520.53
TOTAL GEOGRID ALLOWANCE				3,114 m²

ESTIMATE BASIS
Each row represents one continuous modelled layer around the closed wall. Layer areas come directly from the model; the total uses unrounded values. Displayed row areas are rounded to two decimals.
Layers occur after every third course, measured from the bottom of the buried wall. The first six courses are 120 mm high; subsequent courses are nominally 150 mm. No geogrid is placed on a course that is the top course.

CUTTING, BACKFILL & LEVELS
The current models do not specify rectangular cut sizes, roll-width seams, anchorage lengths, laps, waste allowances or backfill volumes. These are to be confirmed through final design.
Variable levels from the 20 PDF cross-sections. Unsampled end caps use the trend of the nearest two profiles; these end levels are indicative.

All quantities and areas are estimates, subject to change pending final design.

View this model: <https://northminster-models.greengravitywalls.com/#swale/installed>