



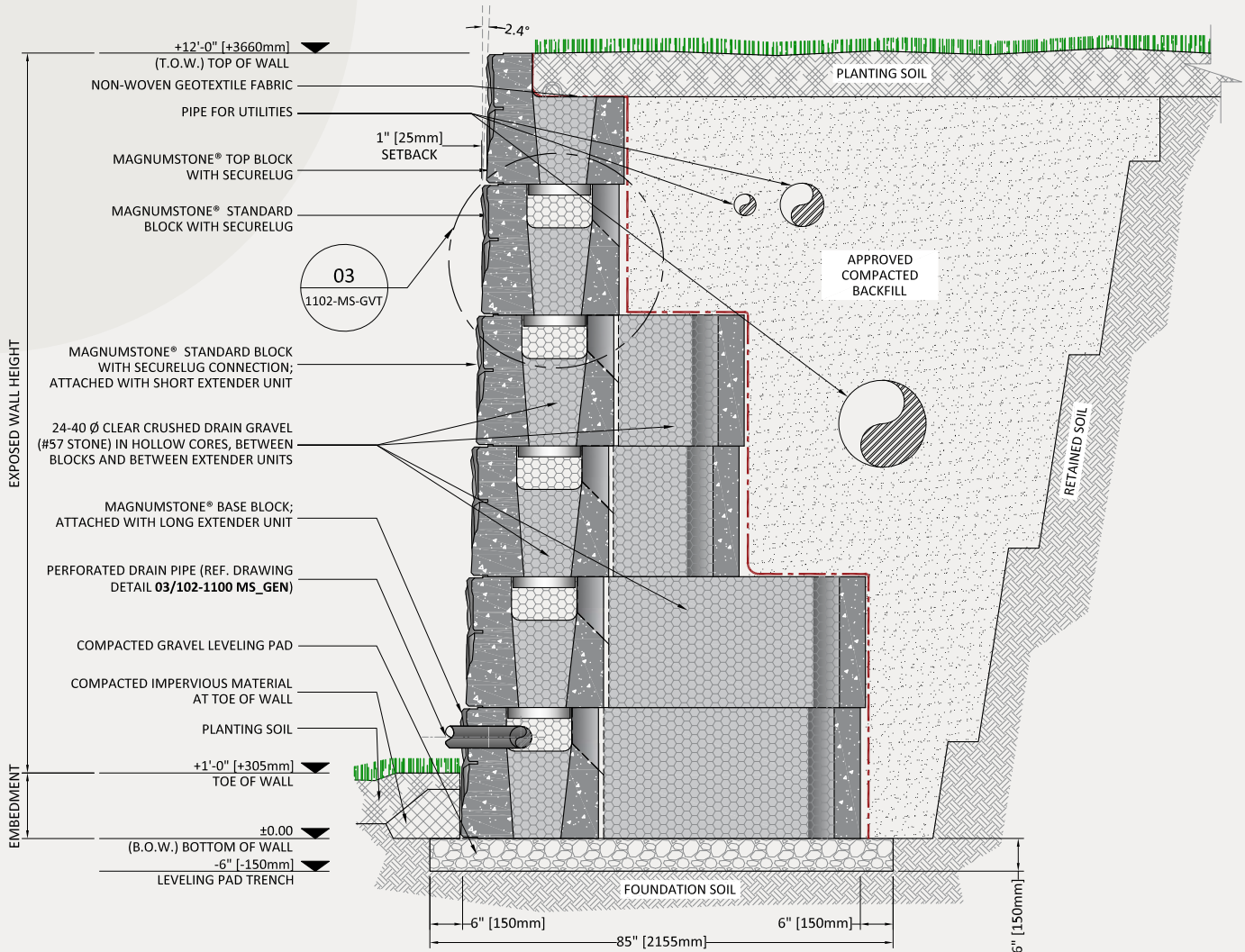
**LET MAGNUMSTONE[®]
DRIVE YOUR DESIGN**

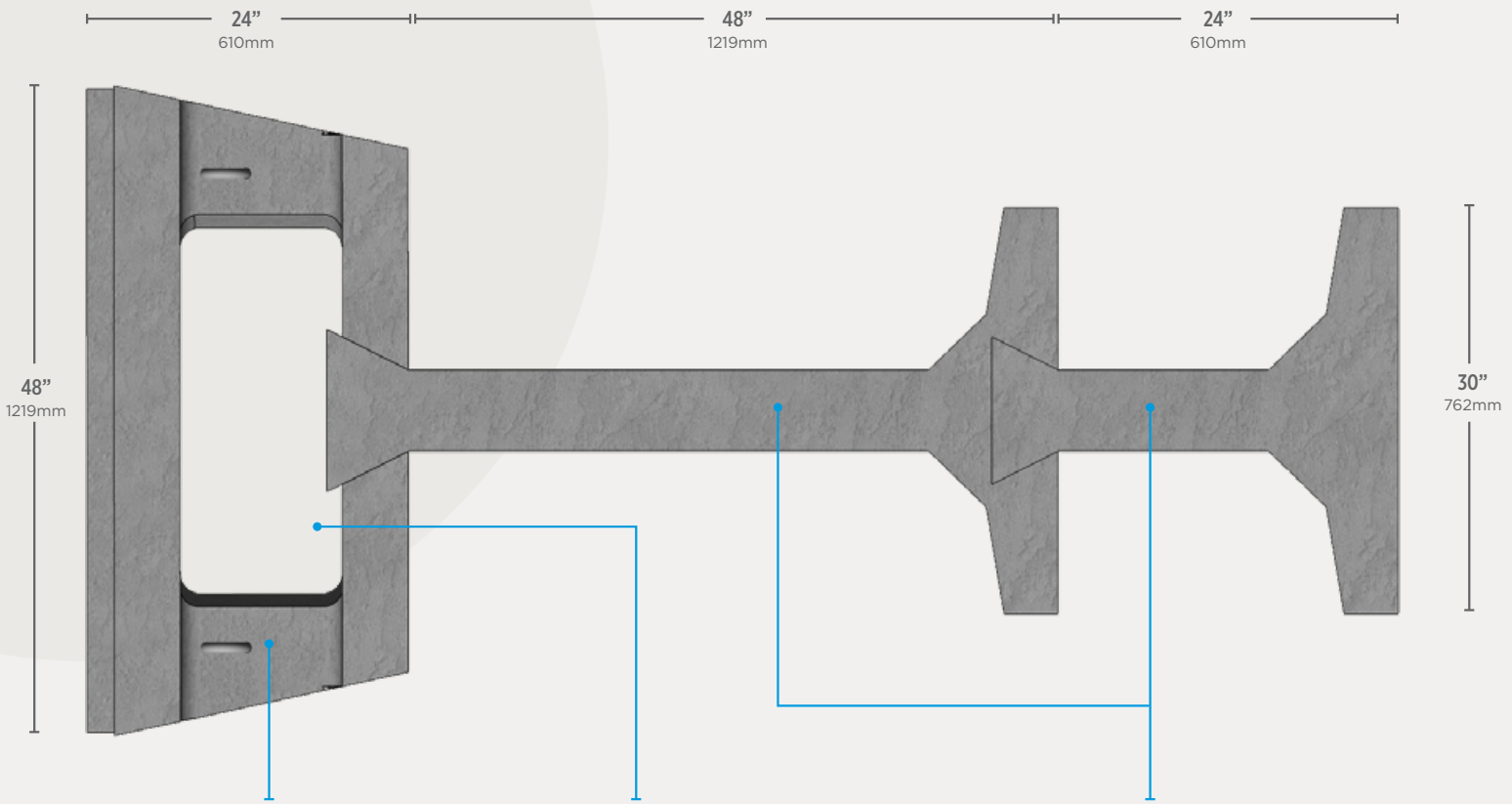
 **MagnumStone[®]**
RETAINING WALLS



YOUR GRAVITY WALL JUST GOT TALLER

MagnumStone® Gravity Retaining Wall Extenders replace Geogrid reinforcements by using a tongue-and-groove concrete system to meet or exceed the demands of engineers. This system reduces the massive footprint of traditional cantilevered gravity retaining walls and gives developers and owners greater use of land above the wall.





MAGNUMSTONE® UNIT

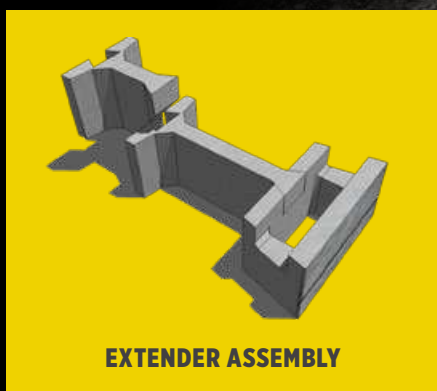
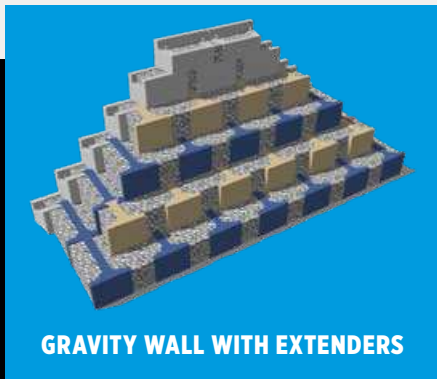
Units are made from high strength, wet cast concrete to provide durability and resistance to weathering.

HOLLOW CORE

Makes it easy to saw cut, add special lighting, or place fence posts into when adding creative details.

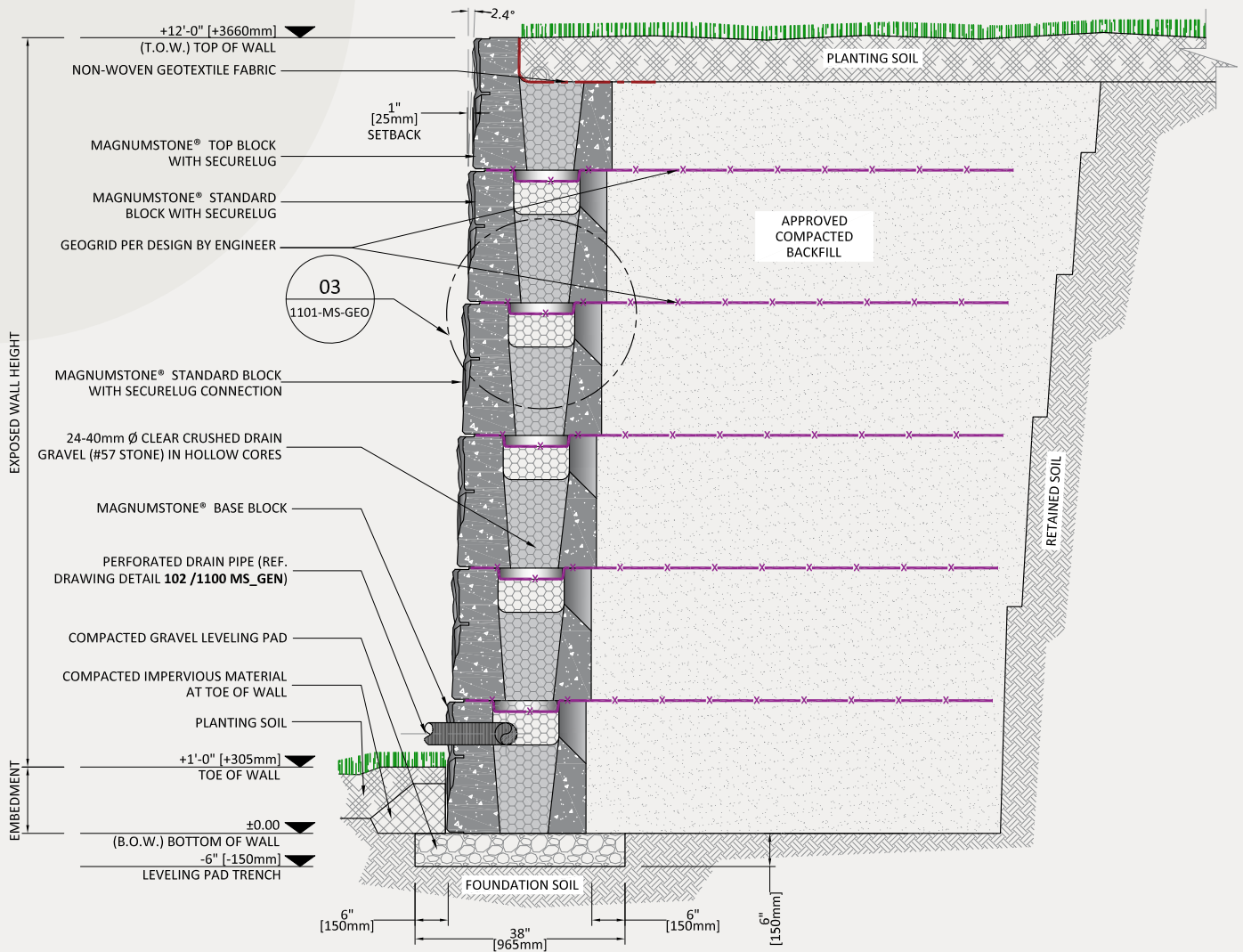
4FT & 2FT EXTENDERS

MagnumStone® Extenders can be used in any combination of standard lengths.



GEOGRID WALLS

Geogrid is used to reinforce the soil mass behind the MagnumStone® units to create tall retaining wall systems. Geogrid helps resist pressures from loads such as parking lots, roadways, water applications or positive slopes. Geogrid with the appropriate lengths, layers, and compacted backfill materials will resist forces above and behind the wall. The use of Geogrid reinforcements with the MagnumStone® system is highly cost effective for very tall wall structures. For walls higher than 3.0 ft, consult a qualified engineer.





GRAVITY WALL

GEOGRID WALL

POSITIVE CONNECTION WALL

PLANTER WALLS

DESIGN APPS



SOIL NAILING WALLS

CANTILEVER WALL

STORMWATER MANAGEMENT



FENCE POSTS

COMMON APPLICATIONS

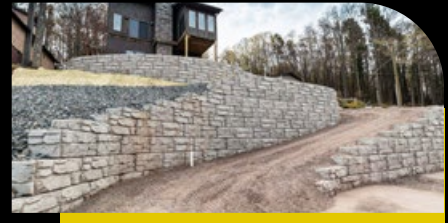
GRAVITY WALLS

Gravity retaining walls can be built in tight areas with limited excavation space. MagnumStone's gravity retaining wall extenders offer designers the ability to build taller gravity retaining walls by increasing the wall depth in 2 ft. or 4 ft. increments. Gravity extenders deliver impactful performance while further fortifying retaining wall outside corners.



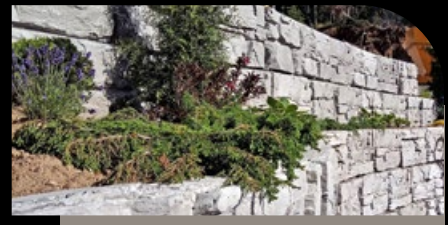
GEOGRID WALLS

Geogrid retaining wall designs are used to reinforce soil mass and help designers build retaining walls that will resist active forces from above and behind the wall. MagnumStone SecureLug connection offers a superior interlock between the specified grids and the block-to-block connection.



TERRACES WITH PLANTERS

Terraced plantable retaining wall designs work in harmony with MagnumStone's big block retaining wall system. The lightweight, large units allow wall designers the flexible solutions with environmental benefits. The hollow core provides a plantable pocket to increase greenery and reduce the spread of heat island effect, commonly found in concrete surfaces.



WATER APPLICATIONS

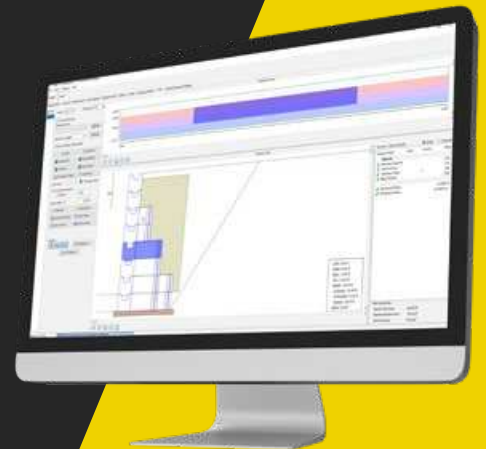
MagnumStone's hollow core offers internal vertical and horizontal drainage design advantages. This minimizes the effects of hydrostatic pressures behind the wall. MagnumStone's wet-cast units provide durable 4,000 psi (27.5 MPa) concrete that's resistant to freeze-thaw cycles and saturated conditions. MagnumStone blocks are optimal for stormwater management solutions including dry ponds, retention ponds and drainage channels.



For more common applications of MagnumStone retaining walls (Steel/Concrete Walls, Soil Nailing, Steel Grid, Free-Standing Walls) visit magnumstone.com

DESIGN SOFTWARE

The MagnumStone® Wall Designer program is designed with the Engineer in mind. It includes multiple methodologies, MagnumStone® gravity systems, geogrid friction, and positive reinforcement options for the designer to choose from. Select and edit soil information, input loads and slopes above and below the retaining wall.



UNIT SPECIFICATIONS



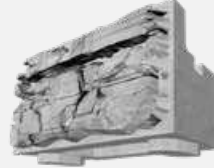
STANDARD

1370 lbs (621 kgs)



STANDARD BASE

1345 lbs (610 kgs)



STANDARD TOP

1220 lbs (553 kgs)



HALF-HIGH

750 lbs (340 kgs)



HALF-HIGH BASE

725 lbs (328 kgs)



HALF-HIGH TOP

680 lbs (308 kgs)



HALF-WIDE

835 lbs (378 kg)



HALF-WIDE BASE

823 lbs (373 kgs)



HALF-WIDE TOP

760 lbs (345 kgs)



*STANDARD CORNER

1700 lbs (771 kg)



*BASE CORNER

1675 lbs (760 kg)



*TOP CORNER

1500 lbs (680 kg)



2 SIDED FREESTANDING

900 lbs (408 kgs)

12" H x 26" D x 48" W
(305 x 660 x 1220 mm)



3 SIDED FREESTANDING

900 lbs (408 kgs)

12" H x 26" D x 48" W
(305 x 660 x 1220 mm)



2 SIDED QUARTER BLOCK

441 lbs (200 kgs)

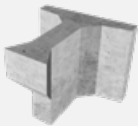
12" H x 26" D x 24" W
(305 x 660 x 610 mm)



3 SIDED QUARTER BLOCK

450 lbs (204 kgs)

12" H x 26" D x 24" W
(305 x 660 x 610 mm)



2FT EXTENDER

520 lbs (236 kgs)

24" H x 24" D x 30" W
(610 x 610 x 762 mm)



4FT EXTENDER

820 lbs (372 kgs)

24 H x 48 D x 30 In W
(610 x 1219 x 762 mm)



CORNER/END

340 lbs (154 kgs)

24" H x 8" D x 2" TW x 4" BW
(610 x 203 x 51 x 102 mm)



HALF-HIGH CORNER/END

170 lbs (77 kgs)

12" H x 9" D x 3" TW x 4" BW
(305 x 229 x 76 x 102 mm)



STEP/CAP

580 lbs (263 kgs)

6" H x 24" D x 48" W
(152 x 609 x 1219 mm)

Height	24"	610mm
Depth	24"	610mm
Face Width	48"	1219mm
Back Width	39"	991mm
Face Area	8 sq ft	0.745 m2
Setback	2.4°	

Height	12"	305mm
Depth	24"	610mm
Face Width	48"	1219mm
Back Width	39"	991mm
Face Area	4 sq ft	0.37 m2
Setback	2.4°	

Height	24"	610mm
Depth	24"	610mm
Face Width	24"	610mm
Face Area	4 sq ft	0.37 m2
Setback	2.4°	

Height	24"	610mm
Depth	23"	585mm
Face Width	47"	1195mm
Face Area	11.7 sq ft	1.08 m2
Setback	2.4°	

*Corner units available in left/right

A full list of specifications can be found on our website. Dimensions and weights may vary. Please check with local producer.

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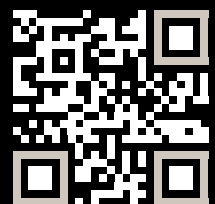
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SCAN
FOR PHOTOS



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