

LANDMARK®

PRODUCT GUIDE



STRONG, EFFICIENT AND VERSITILE INTERLOCKING WALLS AND BLOCKS

Creative Design
Functionality

LANDMARK® WALLS

RETAINING WALL SYSTEMS

By using full height blocks (600 mm), or half blocks (300 mm), or a combination of half and full height (300 & 600 mm) LANDMARK® is able to achieve a 5 degree, 7.5 degree or 10 degree setback to suit any heavy construction application.

300MM WALL



LANDMARK® is primarily utilized by transport and municipal engineers, as well as landscape architects. This wall system is structurally sound and blends aesthetically.

600MM WALL



LANDMARK® WALL INSTALLATION

The LANDMARK® block is a fast efficient way to retain soil on both large and small projects. Walls over 4 feet (1.2 m) require engineered drawings to provide guidance on soil tests, geogrid, proper base and back fill. Brooklin Concrete Products can help provide creative design ideas to install large walls requiring as little back fill as possible.

All LANDMARK® retaining wall blocks must be installed by a crane or an excavator at the site. A clamp is provided to make the installation quick and easy. It should be noted that LANDMARK® can also be manufactured as a flat bottom unit so that the first course of the wall can be installed level.

The following sizes are manufactured to assemble fully interlocked inside and outside corners without having to cut the blocks. It also allows for erecting walls with staggered joints.

HEIGHT	WIDTH	LENGTH	WEIGHT
600mm	550mm	1800mm	3150 lbs. (1428.8 kg)
600mm	550mm	1200mm	2100 lbs. (952.5 kg)
600mm	550mm	900mm	1575 lbs. (714.4 kg)
600mm	550mm	600mm	1050 lbs. (476.2 kg)
300mm	550mm	1800mm	1575 lbs. (714.4 kg)
300mm	550mm	1200mm	1050 lbs. (476.2 kg)
300mm	550mm	900mm	790 lbs. (358.3 kg)
300mm	550mm	600mm	525 lbs. (238.1 kg)

Corner Blocks

600mm	550mm	1500mm	3150 lbs. (1190.4 kg)
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LANDMARK® blocks are a fast efficient way to install a retaining wall as each full size block cover 11.6 face sq. ft.

4.8 kPa SURCHARGE, NO BACKSLOPE							
GEOGRID REQUIREMENTS							
MAX. WALL HEIGHT (m)	GEOGRID LENGTH (m)	GEOGRID ELEVATIONS TOP OF UNIT NO.*					BEARING CAPACITY REQUIRED (kPa)
1.20	NOT REQ'D	-	-	-	-	-	45
1.80	1.50	1	-	-	-	-	55
2.40	1.80	1	2	-	-	-	65
3.00	2.00	1	3	-	-	-	75
3.60	2.20	1	2	4	-	-	85
4.20	2.60	1	3	3	-	-	100
4.80	3.00	1	2	4	6	-	110
5.40	3.30	1	3	3	7	-	125

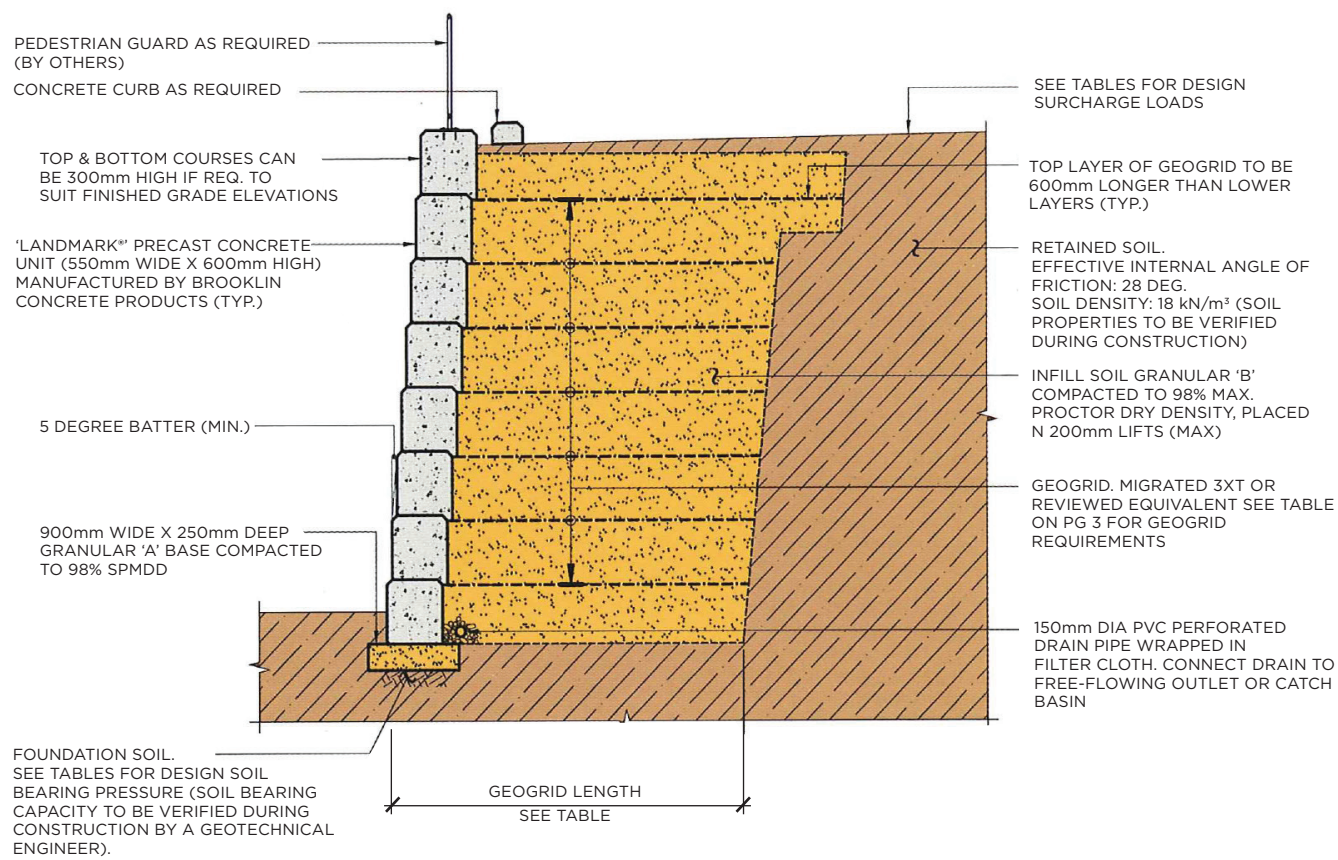
12 kPa SURCHARGE, NO BACKSLOPE							
GEOGRID REQUIREMENTS							
MAX. WALL HEIGHT (m)	GEOGRID LENGTH (m)	GEOGRID ELEVATIONS TOP OF UNIT NO.*					BEARING CAPACITY REQUIRED (kPa)
1.20	1.00	-	-	-	-	-	45
1.80	1.50	1	-	-	-	-	55
2.40	2.10	1	3	-	-	-	75
3.00	2.40	1	3	-	-	-	90
3.60	2.60	1	2	4	-	-	100
4.20	2.80	1	2	3	5	-	115
4.80	3.20	1	2	3	6	-	130
5.40	3.60	1	2	3	7	7	150

3:1 kPa HORIZONTAL TO VERTICAL BACKSLOPE							
GEOGRID REQUIREMENTS							
MAX. WALL HEIGHT (m)	GEOGRID LENGTH (m)	GEOGRID ELEVATIONS TOP OF UNIT NO.*					BEARING CAPACITY REQUIRED (kPa)
1.20	NOT REQ'D	-	-	-	-	-	45
1.80	1.80	1	-	-	-	-	55
2.40	1.80	1	2	-	-	-	75
3.00	2.20	1	3	-	-	-	90
3.60	2.80	1	2	4	-	-	100
4.20	3.20	1	2	3	5	-	110
4.80	3.80	1	2	3	5	6	130
5.40	4.20	1	2	3	5	7	150

** UNIT NUMBER IS COUNTED FROM BOTTOM OF WALL UP
GEOGRID IS SOLD AT YOUR LOCAL BROOKLIN CONCRETE BRANCH

SUGGESTED LANDMARK® CONFIGURATION

600mm FULL SIZE BLOCKS 5° SETBACK



TYPICAL CROSS SECTION



LANDMARK® is truly an amazing retaining wall system that combines both strength and versatility to suit heavy duty wall applications.

LANDMARK® BLOCKS



600 SERIES FLAT

SIZE

- 600 x 1800 NAT Flat
- 600 x 1200 NAT Flat
- 600 x 900 NAT Flat
- 600 x 600 NAT Flat



600 SERIES KEY

SIZE

- 600 x 1800 NAT Key
- 600 x 1200 NAT Key
- 600 x 900 NAT Key
- 600 x 600 NAT Key



300 SERIES FLAT

SIZE

- 300 x 1800 NAT Flat
- 300 x 1200 NAT Flat
- 300 x 900 NAT Flat
- 300 x 600 NAT Flat



300 SERIES KEY

SIZE

- 300 x 1800 NAT Key
- 300 x 1200 NAT Key
- 300 x 900 NAT Key
- 300 x 600 NAT Key



CORNERS NO POCKET

SIZE

- 600 x 1500 LMDK 90° OS CNR WP FLT
- 600 x 1500 LMDK 90° OS CNR WP KEY



CORNERS WITH POCKET

SIZE

- 600 x 1500 LMDK 90° OS CNR WP FLT
- 600 x 1500 LMDK 90° OS CNR WP KEY



OUTSIDE CORNERS

Requires 1500 Corner Blocks



INSIDE CORNERS

All 1800 Series Blocks Work With The Inside Corner

Brooklin Concrete Products has developed cross sectional drawings and charts in CAD format showing a variety of engineered wall applications.

NOTE: Custom sizes and angles can be manufactured according to drawings.

45° CORNER BLOCKS

SIZE

- 600 LDMK 45° IS CNR LH FLT
- 600 LDMK 45° IS CNR LH KEY
- 600 LDMK 45° OS CNR LH KEY
- 600 LDMK 45° OS CNR LH FLT
- 600 LDMK 45° IS CNR RH FLT
- 600 LDMK 45° IS CNR RH KEY
- 600 LDMK 45° OS CNR RH KEY
- 600 LDMK 45° OS CNR RH FLT

CUSTOM ANGLES AVAILABLE UPON REQUEST



INSIDE RIGHT
CORNER RIGHT FLAT
RIGHT



Inside Left 45°



Inside Right 45°



Since 1952, Brooklin has been serving the needs of construction professionals, architects and specifiers as well as homeowners throughout Ontario. As a leading producer of innovative precast products, Brooklin has a complete line of Hardscape, Septic Tanks, Utility Structures and Specialty Precast Units.



BROOKLIN OFFICE

brooklinsales@brooklin.com

6760 Baldwin Street,
Brooklin, ON, Canada L1M 1X8

T: 905-655-3311 | 1-800-655-3430
F: 905-655-3847

NEWMARKET OFFICE

newmarketsales@brooklin.com

18599 Yonge Street North,
East Gwillimbury, ON, Canada L9N 0J1

T: 905-895-2373 | 1-888-407-6443
F: 905-898-3264

HUNTSVILLE / HALIBURTON OFFICE

huntsvillesales@brooklin.com

21 Stephenson Road 12 (East of Hwy 11),
Huntsville, ON, Canada P1H 2K8

T: 705-789-2338 | 1-800-264-3302
F: 705-789-9829

WWW.BROOKLIN.COM