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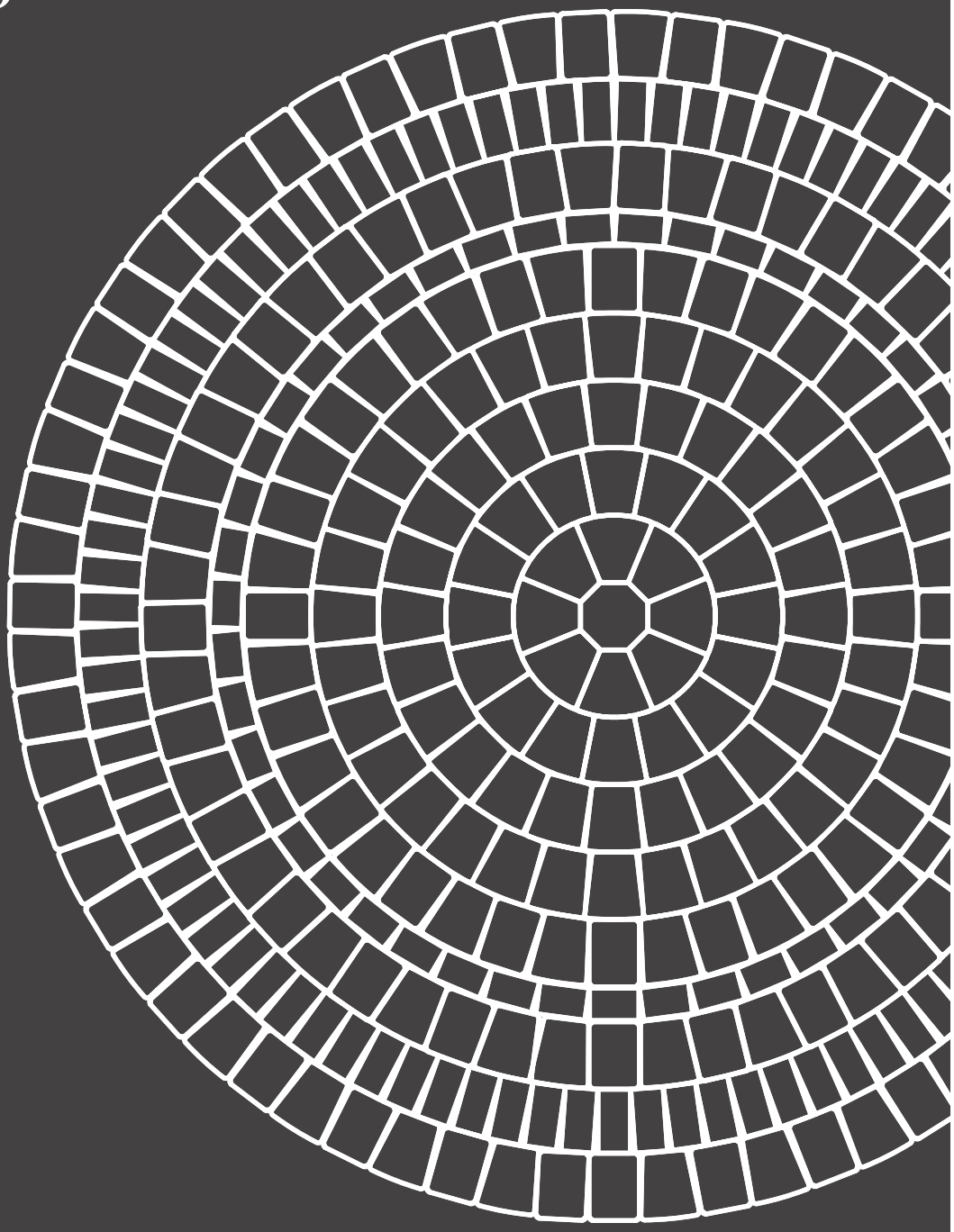
Barkman Landscape Kits

Circle Patio



CANADIAN FAMILY-OWNED SINCE 1948

Materials

This kit measures 2.36 x 147 in (118 sqft)

MATERIALS INCLUDED:
- 1 Pallet Roman Circle Kit
- 6" x 8" Roman Paver – 1 piece
- 4" x 8" Roman Paver – 1 piece
- 4" x 8" Split-Face Roman Paver – 92 pieces
- 4" x 6" Split-Face Roman Paver – 48 pieces
- Polymeric Sand
- Gloves
- Instruction Guide

OTHER ITEMS NEEDED:
- Measuring Tape
- Base Material: 3/4" down crushed limestone or equivalent
- Coarse Sand
- Shovel
- Rake
- Broom
- Trowel
- Hammer
- Saw
- Small Plate Compactor (rental)
- Screed Board and Pipes
- Leaf Blower (optional)

Center Stone Paver

Small Circle Paver

Middle Circle Paver

Large Circle Paver

6 x 8 Split Face Paver

4 x 8 Split Face Paver

4 x 6 Split Face Paver

NOTES:
1. If you are adding on to your existing oasis circular patio, then you will need to perform the necessary excavation before you can proceed.
2. Pick up compactor after excavation is done and base is levelled to minimize rental costs.
3. If you are planning on installing another kit or other heavier unit (ie. hot tub) on your patio, then we recommend that you use option 2 as the excavation depth.
4. Before any digging, contact your local utility companies for the location and depth of pipes, cables and conduits.

EXCAVATION DEPTH ESTIMATION

	PEDESTRIAN TRAFFIC	LIGHT VEHICULAR TRAFFIC
Pavers	2 3/8"	2 3/8"
Sand	1"	1"
Gravel Base (Compacted)	4"–6"	8"–12"
Total Excavation Depth	7"–9"*	11"–15"*

BASE MATERIAL ESTIMATION

GRANULAR BASE					
Square footage of pavers	×	$\frac{\text{Depth of Base}}{12}$	÷ 27	=	Cubic yards of base needed
BEDDING SAND					**1" DEPTH**
Square footage of pavers	×	.0031		=	Cubic yards of sand needed

GRAVEL BASE: Use minimum depths in a well drained area or undisturbed soil. Use maximum depths in poorly drained areas or disturbed soil. 1/2" less is required to compensate compacting of pavers. If soil is saturated more than 50% of the time, filter fabric and extra base should be used.

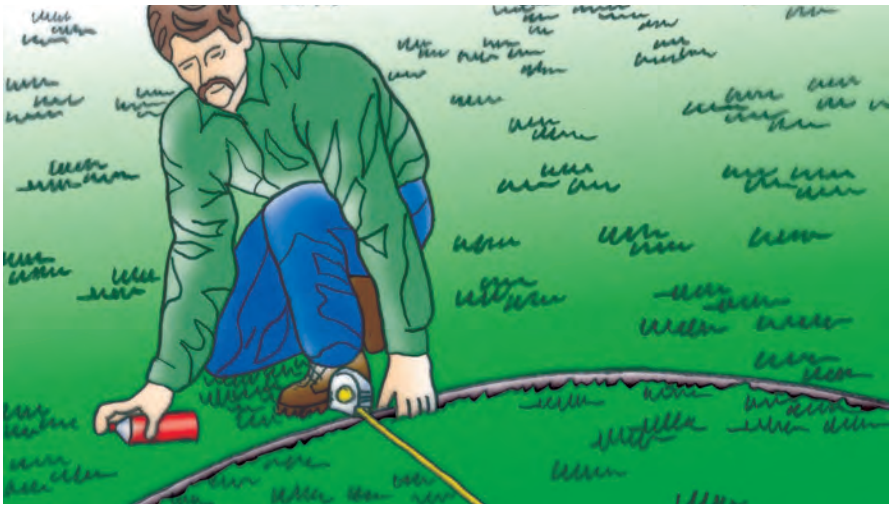
*When installing thicker pavers (Broadway 4" and Navarro 3.15"), add 3/4" to total excavation depth.

Instructions

1 CREATE OUTLINE

A The first step is to take your completed design and transfer it onto the ground where you will be installing your patio.

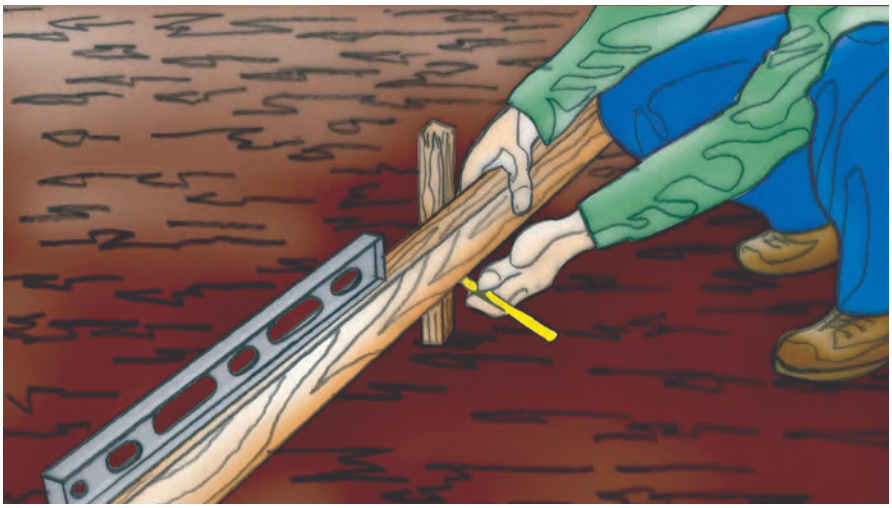
B You can use spray paint to mark the outline.



2 SET ELEVATIONS

A Next, use a 2 x 4, stakes and a level to set the slope of your patio (a slope of approximately 1" to every 8' is usually ideal).

B Set your stakes and string lines to mark the top of the finished patio. Please refer to the Depth Estimation Chart.

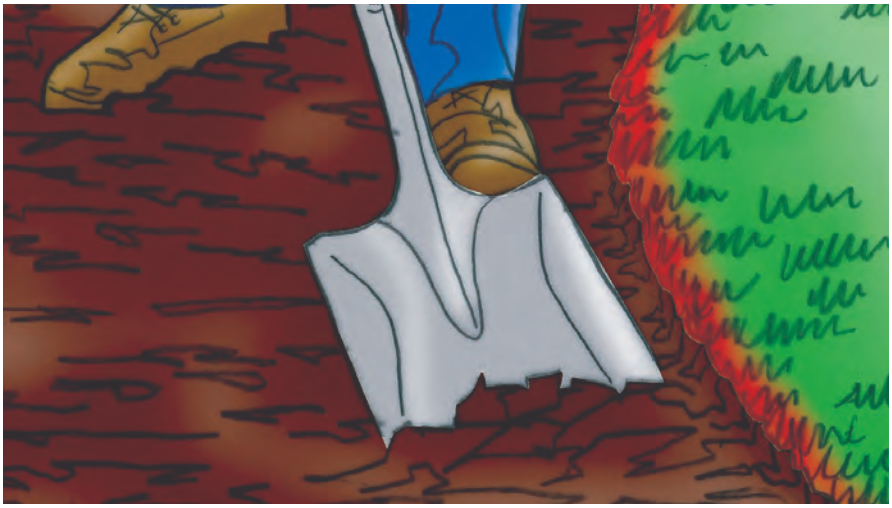


3 EXCAVATE

A Using your grid work of stakes and guide strings, excavate material below the string lines to the depth needed.

B To determine depth, refer to the Depth Estimation Chart.

Note:
Before any digging, contact your local utility companies for the location and depth of pipes, cables and conduits.



4 SPREAD GRANULAR BASE

A You are now ready to spread and compact the coarse granular base.

B Please refer to the Base Material Estimation Chart to estimate the base material you will require.

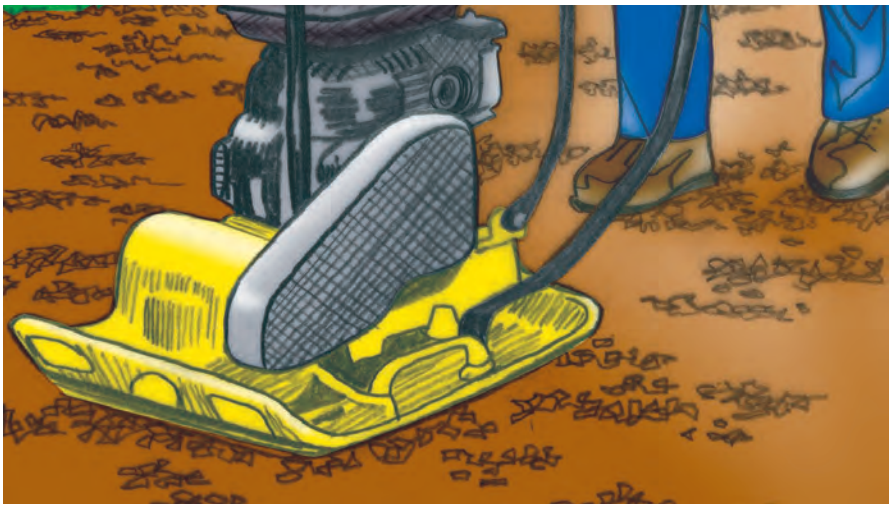
5 COMPACT BASE

A The granular base should be levelled and compacted (use a plate compactor) in layers of not more than 4”.

B Wet, but do not soak the gravel base while compacting.

C Level the base to approximately 3” below the desired surface level.

D Make sure the base is level and conforms to the shape and elevation of the finished job by measuring down from the string lines you have established on the stakes.



6 SPREAD BEDDING SAND

A Begin screeding(spreading) a 1" layer of sand. Lay your screed guides (1" pipe, electrical conduit or wood strips) onto compacted base.

B Set the proper heights of the guides by pulling a string across the area to be paved at the finished grade level. The top of the screed guides should be 1.5” down from the string.

C Pack sand around the guides to set them in place.

D Fill with sand and slide the 8’ to 10’ screed board along the guides to smooth and level.

7 LAY PAVERS

A After screeding the sand pull out the screed guides and fill any voids with sand using a trowel or small board.

B Do not walk on or work from the screeded sand.

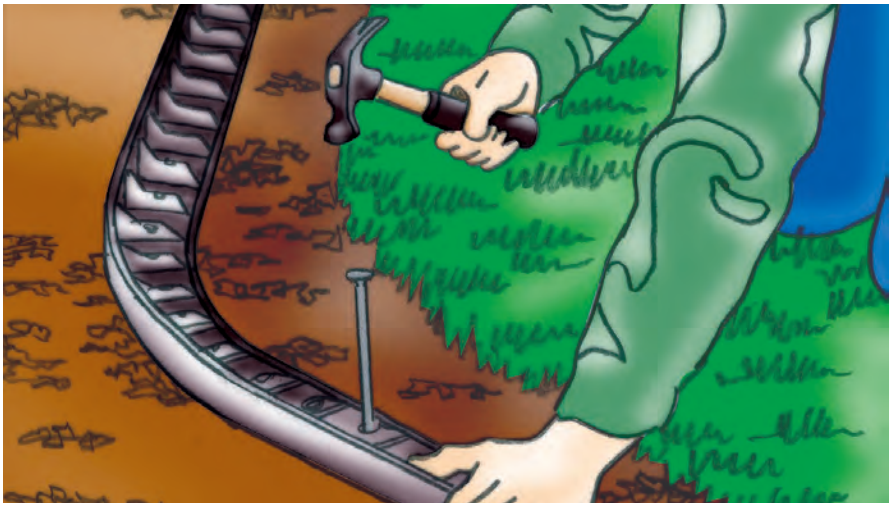
C Begin laying your pavers. Begin in the exact center of the patio using the octagon paver as the starter block.

D Refer to the laminated paving pattern diagram to achieve the proper layout for the pavers. Space pavers where necessary.

8 INSTALL EDGE RESTRAINT (OPTIONAL)

A If you have purchased landscape edging for your circle patio, install it now.

B Edge restraint should be installed on the compacted base around the entire patio.



9 COMPACT

A Sweep off the surface completely and use the plate compactor to tamp the pavers to a uniform level.

B Run the compactor in a parallel direction across the pavers, overlapping on each pass.

C Make a second series of passes in a perpendicular direction.

10 SPREAD SAND

A Ensure that the patio is completely dry before applying the sand.

B Sweep polymeric sand into all spaces between the finished pavers. Lightly compact, and repeat if necessary until all joints between the pavers are filled.

C Once all the joints are filled, sweep all excess sand off of the patio.

D Use a leaf blower (if available) to remove any remaining dust.

E Note: It is very important that excess sand is completely removed from the patio surface because once sand is wet, it will be very difficult to remove.

F Once excess sand has been removed, then wet the patio as per the instructions on the polymeric sand packaging.

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