

Installation

Installation requires simple tools with common sense planning and skills. EvoPave™ maybe installed onto a prepared concrete, asphalt or crushed rock base* .

Sub-Surface Requirements

Drainage ~ above grade installations should have a least a 1% fall. For below grade installations, the 1% fall should lead to a drain. Both types of construction must not allow for water accumulation.

Surface Variation ~ in any case, this should not exceed 3mm in a 3m span, measured in any direction

Concrete ~ all cracks and holes must be patched and new concrete should be cured for at least 30 x days before installation. Concrete must be smooth, dry and cleaned of dust, dirt and oil before installation. The recommended method for cleaning for maximum adhesion is by pressure washer. If curing agents were used in the concrete, the surface must be acid etched for maximum adhesion. In all cases, surface must be absolutely dry before installation.

Asphalt ~ all cracks and holes must be patched and new asphalt should be cured for at least 14 x days before installation. Asphalt must be smooth, dry and cleaned of dust, dirt and oil before installation. The recommended method for cleaning for maximum adhesion is by pressure washer.

Crushed Rock Base ~ should be compacted road type base 100 to 200mm deep (depending on soil conditions) leading to an underground drain. Drainage must be adequate to prevent heaving of surface due to water saturation. The layer above that should be a minimum depth of 35mm of fine sand compacted to 90% dry density. * **Only 45mm thick pavers can be installed on this type of base. EP 15mm, EP 20mm and EP 25mm can only be installed on an asphalt or concrete base.**

Actual Installation

Follow the transverse lines of the area to be surfaced and chalk line out onto the base these lines in the “North/South” direction and likewise, in the “East/West” direction.

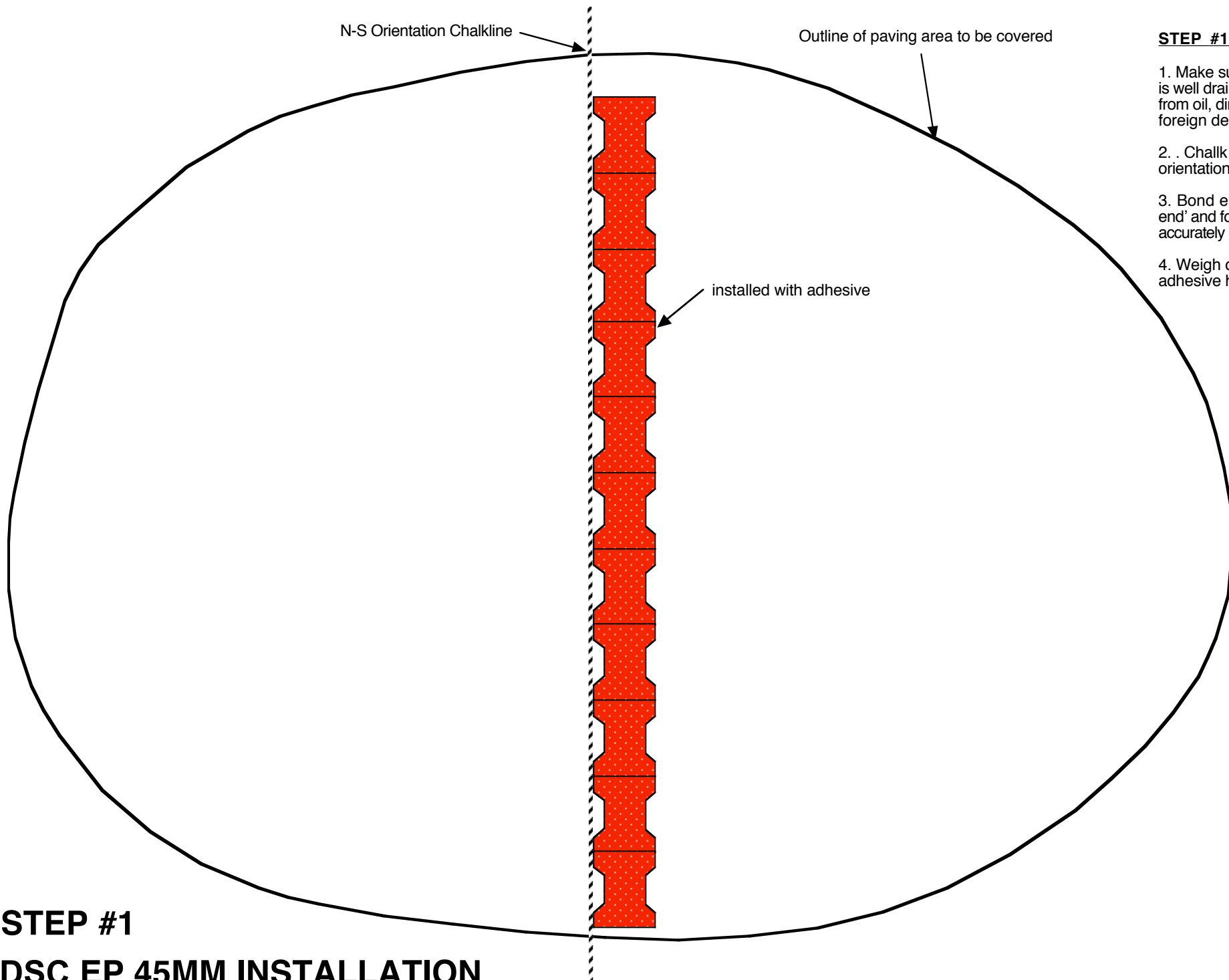
By way of a notched trowel (2~3mm notch), apply the adhesive to the base along the area following the “North/South” direction to a width of approximately four pavers and do likewise, in the “East/West” direction. You can apply the adhesive in strips. Set the first paver at the corner of the chalk line cross point. Apply a strip of adhesive against a face of the second paver. Set the next paver against the first following the “North/South” chalk line budding the adhesive face of this paver against the first paver. Follow this again with the third, fourth, etc. ensuring always that you accurately follow the chalk line, visually checking the alignment and that the pavers themselves are tightly joined.

Weights must be used to hold down the pavers. Then start the “East/West” run doing exactly the same as described above

Adhesive ~ Our pavers should be bonded to the prepared sub-surface with PU88 Adhesive, a high grab strength, 2-component, high solids curing urethane adhesive which becomes tacky and bonds tenaciously. It cures at ambient temperatures to become a strong, tack free heat and chemically resistant adhesive. It has outstanding water resistance and exterior durability even in hostile climates.

The adhesive is applied outdoors under adverse and highly variable weather conditions. Preferred application is by trowel.

The use of a high grab strength adhesive is vital in the play paver installation as its helps overcome the tendency of the product to separate, curl, bubble, creep, slip and wrinkle without having to resort to the use of too many weights or excessive rolling.



N-S Orientation Chalkline

Outline of paving area to be covered

installed with adhesive

STEP #1 PROCEDURE

1. Make sure the sub-floor is well drained, clean, free from oil, dirt or any kind of foreign deposits.

2. . Chalk Line Out N-S orientation on to base

3. Bond end to end' and follow chalk line accurately

4. Weigh down pavers until adhesive has set.

STEP #1

DSC EP 45MM INSTALLATION

N-S Orientation Chalkline

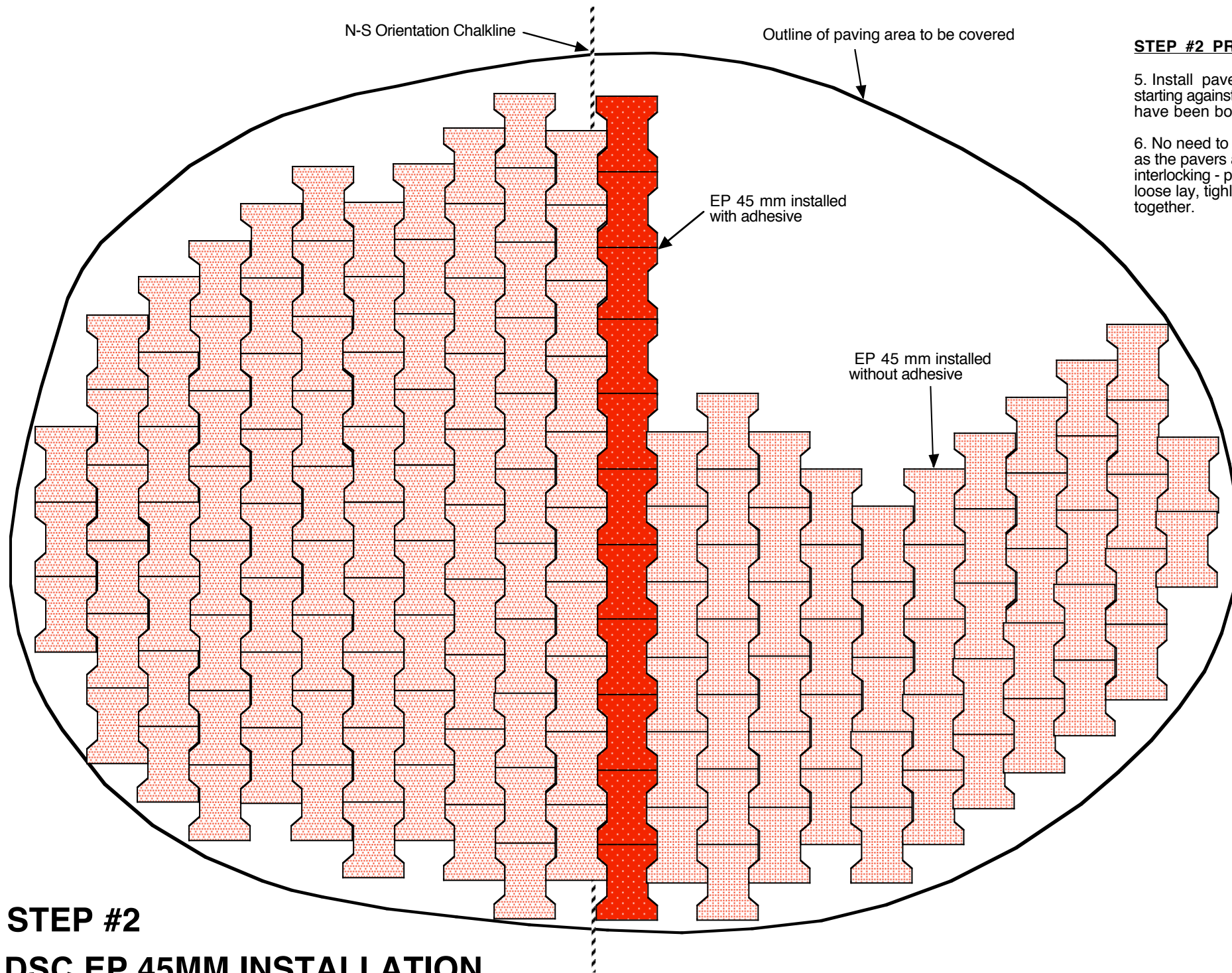
Outline of paving area to be covered

STEP #2 PROCEDURE

5. Install pavers starting against those that have been bonded down.
6. No need to use adhesive as the pavers are interlocking - proceed to loose lay, tightly butt-jointed together.

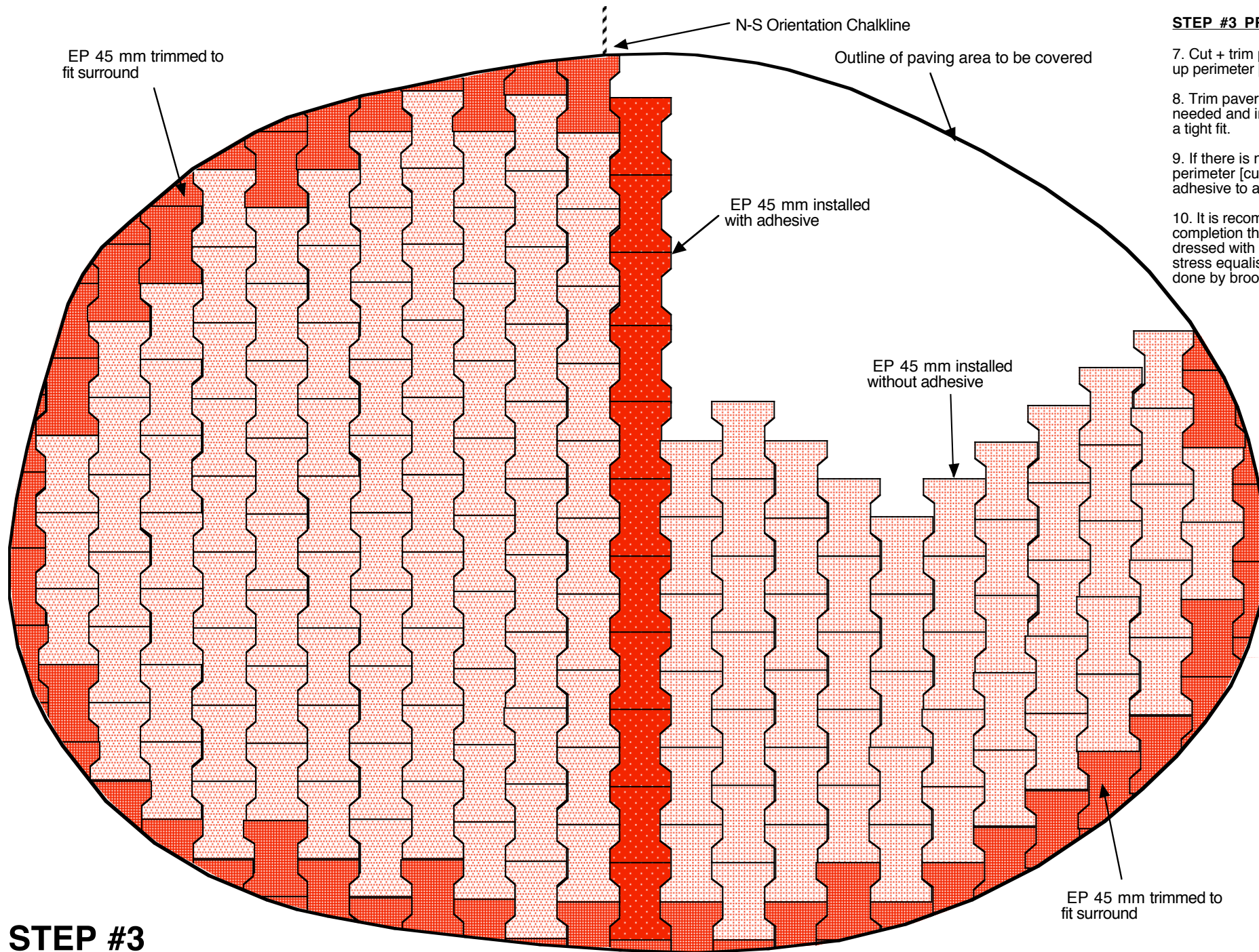
EP 45 mm installed with adhesive

EP 45 mm installed without adhesive



STEP #2

DSC EP 45MM INSTALLATION



STEP #3 PROCEDURE

7. Cut + trim pavers to fit stand up perimeter [curb].
8. Trim paver slightly larger than needed and insert. This ensures a tight fit.
9. If there is no stand up perimeter [curb] bond pavers with adhesive to act as retaining edge.
10. It is recommended that upon completion the whole surface is dressed with a fine silica sand to stress equalise surface. This is done by brooming.

**STEP #3
DSC EP 45MM INSTALLATION**