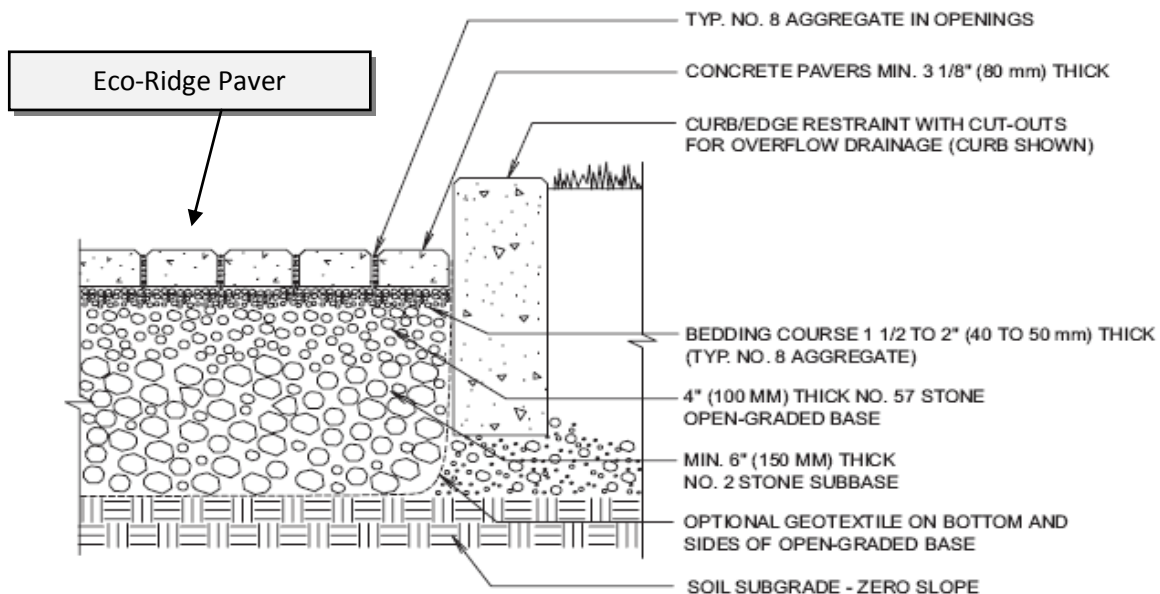




Permeable Interlocking Concrete Pavement Guidelines



Typical Permeable Paver:

3-1/8" thick heavy-duty paver

Eco-Ridge: ~ 13% open area/SF 3/8" joint

Rectangle: 4-3/4" x 9-1/2"

Manufacturing Standard: ASTM C936 (8,000 psi, max 5% absorption, F/T resistant)

Project Material Needs:

Pavers – Permeable Interlocking Concrete Pavers designed and installed to absorb to infiltrate stormwater

Edge Restraint – Curb, pre-cast concrete, cut stone, or as specified by Engineer; min. 6" wide and 12" deep

Sub-base - No. 2 stone – Minimum 6" or as specified for commercial applications

Base - No. 57 stone – 4"

Bedding Layer - No. 8 stone – 2"

Infill – Typically No. 8 stone



Installation:

Typically project bid specification - CSI 32 14 13.19 (95Master Format Section 02795)

1. Subgrade – level, adequate bearing capacity, capable of infiltration, do not compact unless specified
2. Install non-woven separation fabric and underdrain piping if specified
3. Moisten, spread, and vibratory compact (13,500 lbf) No. 2 stone subbase in 6-inch lifts
4. Moisten, spread, and vibratory compact (13,500 lbf) No. 57 stone base in one 4-inch lift
5. Moisten and spread No. 8 bedding stone, 2” thick
6. Lay permeable pavers and fill joints with No. 8 stone
7. Compact pavers with 5,000 # compaction force plate compactor with rubber pad, two passes
8. Re-fill openings and joints with No. 8 stone, remove excess stone and sweep pavers clean
9. Compact pavers again (two passes), fill openings with No. 8 stone as needed
10. Final surface tolerance shall be +/- 3/8” over 10 ft. and check for no lippage greater than 1/8”.

Property Owner Considerations:

1. Provides an aesthetic, long-lasting pavement surface supporting large traffic loads
2. Reduces project runoff up to 100%, increases groundwater recharge and minimizes flooding
3. Improves quality of water through stone and soil filtering
4. Open-graded aggregate base provides a high water storage capacity (35-40% void space)
5. Provides a stormwater management structure and pavement; two benefits in one system
6. Qualifies as a Best Management Practice (BMP) solution for stormwater control
7. Eliminates snow melt re-freezing, and reduces snow accumulation and de-icing costs
8. Easy to maintain and repair; rapid access for utility work; reuse of pavers
9. Eligible for LEED® credit
10. ADA compliant - meets max 1/2” joint opening and 1/4” max surface lip, is slip/skid resistant

