



# Standard Drawing Report

**Date:** October 4, 2017

**Technical Owner:** Civil – Brett I. Kesterson, P.E.

**Standard Drawing No.** P-572      **Calculation Book No.**

**Drawing Title:** Sidewalk – Concrete Pavers



Expires 06/30/2019

## Background Information, Including Reference Material:

Design based on Interlocking Concrete Pavement Institute drawing ICPI-16 for patio, sidewalk, plaza concrete pavers on compacted aggregate base.

## Assumption Made:

No major assumptions were made.

## Design Narrative:

Drawing was developed as an option to replace sidewalk around trees that buckled the sidewalk over time. The flexible nature of the concrete pavers allows the sidewalk to somewhat conform the tree roots rather than cutting roots. It is also easier for the adjacent property owner to repair the sidewalk as it is heaved up over time by re-setting the pavers.

The ICPI design calls for geotextile between the sand bedding and aggregate base, and between the aggregate base and subgrade. If the paver surfaces are exposed to vehicle traffic, then geotextile is needed. However, in a sidewalk setting with little to no vehicle traffic, geotextile was not deemed necessary.