PaveDrain Case Study: Highland Avenue Parking Lot, Melbourne, FL

- Engineer: E-Sciences, Orlando
- E.O.R.: Ryan Mitchell, PE
- Runoff Area: 1.4 Acres
- PaveDrain Area: 8,868 SF
- Parking Lot Cross-section
  - 5.6” PaveDrain
  - 6” AASHTO #57 (crushed granite)
  - 3.5’ AASHTO #2 open gravel
  - FDOT Index 199, Type D2 geotextile envelope
- Stormwater Runoff Retention: 2.5”
- Stormwater Quality Improvements:
  - Reduce TSS by 95%
  - Reduce Nitrogen by 95%
  - Reduce Phosphorous by 95%
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PaveDrain Layout Drawings
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Original Limerock Parking Lot

Excavation of Gravel Reservoir
Placement of Gravel Reservoir

Compaction of #57 Stone Subbase
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Starting in NE Corner with End Blocks and Half Blocks

Colored Blocks Installed Throughout
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PaveDrain Installation

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Completed PaveDrain Installation