



# Case History

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Performance**

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**Specializing in:  
Deep Foundations  
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**Problem:**

Shaw Environmental needed to provide structural support to existing sewer mains and manhole locations adjacent to roadways with contaminated soil.

**Solution:**

Helitech® designed and constructed a 900 sf, Earth Retention Wall System, comprised of 36 A. B. Chance soil screws, steel wire fabric, Hydraway 2000 drain system, and a 4” – 6” thick shotcrete facing. The purpose of the Earth Retention Wall System was to support the adjacent roadway during construction.

**Resolution:**

The Earth Retention System remained in place after modifications to the sewer main was completed and provided a barrier against contaminated soil. The A.B. Chance Soil Screw System contained the existing contaminated embankment and eliminated the necessity of any spoil removal. The Earth Retention Wall System offered a practical, economical and efficient solution to the shoring requirements necessary for this project.



## Helitech Memberships:

