

**Project:** Vulcan Materials Quarry

**Location:** Stafford, VA

**Project Details:**

Aaron Enterprises, Inc. was contracted to complete a design build emergency repair of an 800' section of 72" corrugated metal storm water culvert. Erosion caused the hillside above the pipe to give way leaving an 85' cliff and 800' of pipe collapsed. Aaron Enterprises, Inc. proposed hand tunneling a 66" steel casing into place and slip lining it with 63" HDPE to complete the repair. The 72" corrugated metal pipe was intersected by the 78" casing with no alignment issues. The 63" HDPE was then pulled into place in one continuous section.

**Final Product:** 78" steel casing, 63" HDPE carrier pipe

**Geology:** Sand, boulders, unconsolidated ground

**Project Profile**

Engineering Services

**Completion Date**

April 2011

**Installation Methods:**

Pipe Jacking and Tunneling

Pipe Rehabilitation

Engineering Services

**Markets Served:**

Heavy Civil Construction

Storm Water

Communication, Commercial & Building



**Owner:**

Vulcan Quarry

**Engineer:**

Aaron Enterprises, Inc.

**Contractor:**

Aaron Enterprises, Inc.

**For More Information:**

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Reference Job # 1129566