

**PROJECT: COLLINS HILL / WILDCAT CREEK STREAM RESTORATION**

SITE PLAN



DESCRIPTION

**PROJECT DESCRIPTION**

Georgia Development Partners contracted with Gwinnett County to construct over 550 linear feet of stream channel between the backyards of residential homes and an operating golf course. GDP's stream team installed 8 J-hooks and 1 cross vane as hydrological controls and graded in new bankfull benches within the channel to handle high volume events. GDP also creatively engineered a new rock filter dam and a new outlet control of an undocumented storm drain so that water passively sheet flows into the receiving stream during storm events, thus preventing far bank erosion at the discharge point. The banks were stabilized with Bio-D matting, and new trees were planted throughout the site. GDP completed the job within the 120 day window despite one of the wettest and coldest winters on record. Access to the site was through the driveway and side yard of a homeowner, and upon completion, the area was restored. The family was so pleased at the end of the project that they hosted the team to a large homemade meal.

**CLIENT**

Gwinnett County, Georgia

**ROLE**

General Contractor  
Stream Restoration  
Streambank Stabilization  
Landscaping  
Stormwater Controls

**PERIOD**

2013 - 14

**SIZE**

550 linear feet of stream  
9 structures  
By-Pass Pumping

**COST**

\$ 232,000