LEGEND

- LIMITS OF DISTURBANCE
- PROPOSED STREAM CENTERLINE AND BANKFUL LIMITS
- EXISTING RESOURCE PROTECTION AREA
- PROPOSED ACCESS ROUTE
- PROPOSED REACH LIMITS
- EXISTING TREE CANOPY
- EXISTING PROPERTY LINE
- EXISTING STREAM & CENTERLINE
- EXISTING WETLANDS
- EXISTING CONTOURS (½ FOOT INTERVAL)
- EXISTING SPOT
- TREES PROPOSED FOR REMOVAL
- PROPOSED CROSS-VANE
- PROPOSED ROCK SILL
- PROPOSED MODIFIED CROSS-VANE

DESIGN NARRATIVE

IN SEVERAL PLACES THE STREAM CHANNEL FLOWING THROUGH THE BANKS PROPERTY AND ADJACENT KROC PROPERTY IS PIPED, RIPRAP OR CEMENT LINED, OR INCISED AND ACTIVELY ERODING. THE GOAL OF THIS PROJECT IS TO DAYLIGHT THE PIPED SECTIONS OF THE CHANNEL, CREATE A CHANNEL WITH A STABLE PATTERN, PROFILE, AND DIMENSION, AND IMPROVE FLOODING CONDITIONS FURTHER DOWNSTREAM. NATURAL CHANNEL DESIGN HAS BEEN UTILIZED, ALONG WITH DATA COLLECTED FROM AN IDENTIFIED REFERENCE REACH, TO DEVELOP THE LIMITS FOR THE DESIGN.

CONTOUR INTERVAL = 0.5 FOOT

50' 0' 25' 50' 100' 150'

EMERGENCY POLICE – FIRE – RESCUE 911 JULY 2013

FAIRFAX COUNTY, VIRGINIA

DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA 22035-0052

COMMONWEALTH OF VIRGINIA
DAVID B. POWERS
Lic. No. 032243
07-17-13
PROFESSIONAL ENGINEER

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1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474
150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544
Environmental Consultants

△#	BY	DATE
1	DAVID POWERS	7/17/13

QUALITY CHECK

REVISIONS

△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE STORMWATER PLANNING DIVISION

STORMWATER PLANNING DIVISION
703-324-5500

BANKS PROPERTY STREAM RESTORATION
MASTER PLAN

CONTRACT NO. CN 13316003
PROJECT NO. SD-000009-002
SCALE H: 1"=50'
DESIGNED BY: C. PLUMMER
DRAFTED BY: C. PLUMMER
CHECKED BY: D. POWERS
SHEET 5 OF 49

FUND # 300-C30090