R1: POOL CROSS-SECTION 2 - LOOKING DOWNSTREAM:
- POOR FLOODPLAIN CONNECTIVITY
- D50 = 35 MM, D84 = 55 MM
- 70% GRAVEL, 20% SAND, 10% COBBLE

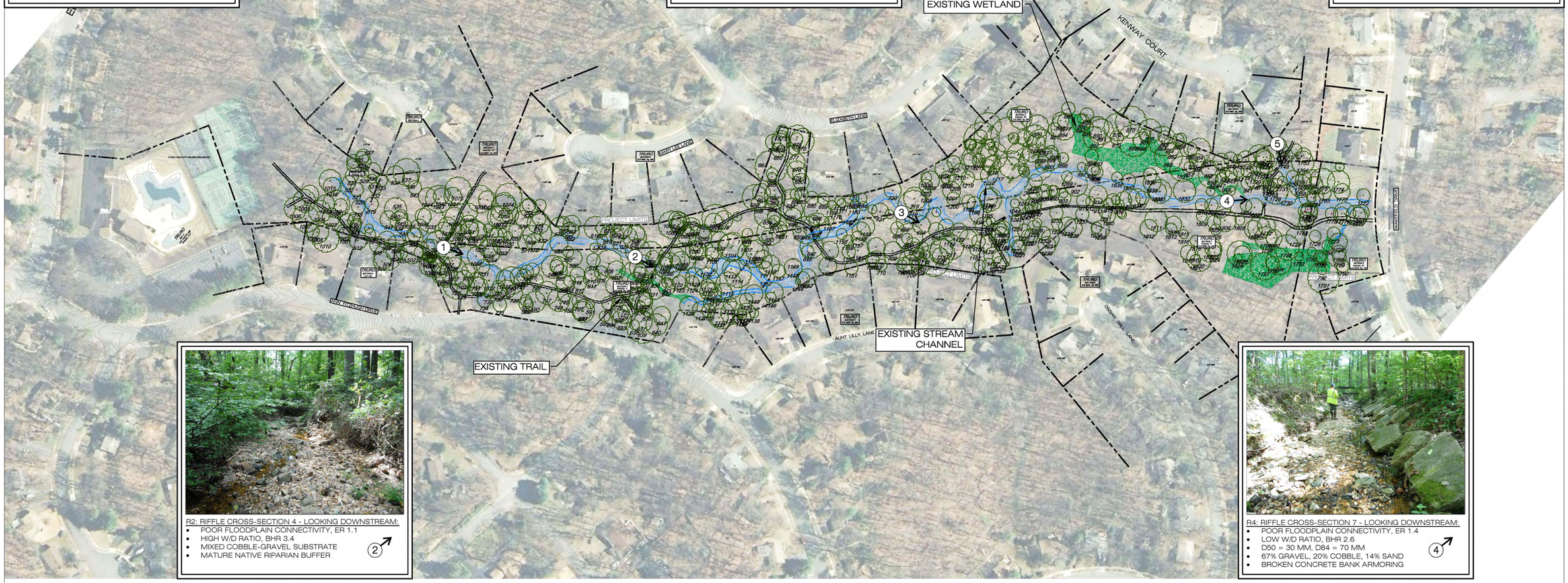
1

R3: RIFFLE CROSS-SECTION 6 - LOOKING DOWNSTREAM:
- MODERATE FLOODPLAIN CONNECTIVITY, ER 1.7
- MODERATE W/D RATIO, BHR 2.8

3

T5: RIFFLE CROSS-SECTION 8 - LOOKING DOWNSTREAM:
- POOR FLOODPLAIN CONNECTIVITY, ER 1.6
- LOW W/D RATIO, BHR 3.0
- D50 = 54 MM, D84 = 120 MM
- MATURE NATIVE RIPARIAN BUFFER

5



R2: RIFFLE CROSS-SECTION 4 - LOOKING DOWNSTREAM:
- POOR FLOODPLAIN CONNECTIVITY, ER 1.1
- HIGH W/D RATIO, BHR 3.4
- MIXED COBBLE-GRAVEL SUBSTRATE
- MATURE NATIVE RIPARIAN BUFFER

2

R4: RIFFLE CROSS-SECTION 7 - LOOKING DOWNSTREAM:
- POOR FLOODPLAIN CONNECTIVITY, ER 1.4
- LOW W/D RATIO, BHR 2.6
- D50 = 30 MM, D84 = 70 MM
- 67% GRAVEL, 20% COBBLE, 14% SAND
- BROKEN CONCRETE BANK ARMORING

4

CONTOUR INTERVAL = 0.5 FOOT

100' 0' 50' 100' 200' 300'

WILLIAMSBURG ENVIRONMENTAL GROUP, INC.

5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869

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

EMERGENCY POLICE – FIRE – RESCUE 911

REVISED: DECEMBER, 2012

FAIRFAX COUNTY, VIRGINIA

DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES PLANNING & DESIGN DIVISION
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA 22035–0052

STORMWATER PLANNING DIVISION
703–324–5500

TURKEY RUN STREAM RESTORATION
FINAL CONCEPT DESIGN
EXISTING CONDITIONS

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE PLANNING AND DESIGN DIVISION

CONTRACT NO. PROJECT NO.

SCALE
VERT. 1" = N/A
HORIZ. 1" = 100'

DESIGNED BY:
DRAFTED BY:
CHECKED BY:

SHEET
E1 OF

FUND# 000