

PROJECT MANAGER: MOHAMAD EL KAISSE, P.E. (703) 877-5736  
 SURVEYED BY: DATE FAIRFAX COUNTY (703) 324-5151, JULY 2019  
 DESIGN BY: WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717  
 SUBSURFACE UTILITY BY: DATE ACCUMARK (800) 542-2990, OCTOBER 2019

Curve SUP01  
 PI = 101+00.42  
 DELTA = 8° 47' 13.57" (RT)  
 D = 47' 44" 47"  
 T = 9.22'  
 L = 18.40'  
 R = 120.00'  
 PC = 100+91.20  
 PT = 101+09.60  
 V = 20 mph  
 e = 2% RT

Curve SUP04  
 PI = 105+00.52  
 DELTA = 6° 16' 28.56" (LT)  
 D = 47' 44" 47"  
 T = 6.58'  
 L = 13.14'  
 R = 120.00'  
 PC = 104+93.95  
 PT = 105+07.09  
 V = 20 mph  
 e = 2% LT

Curve SUP02  
 PI = 101+43.98  
 DELTA = 8° 55' 54.27" (LT)  
 D = 47' 44" 47"  
 T = 9.37'  
 L = 18.71'  
 R = 120.00'  
 PC = 101+34.60  
 PT = 101+53.31  
 V = 20 mph  
 e = 2% LT

Curve SW01  
 PI = 20+57.51  
 DELTA = 90° 00' 00.00" (LT)  
 D = 327' 24" 16"  
 T = 17.50'  
 L = 27.49'  
 R = 17.50'  
 PC = 20+40.01  
 PT = 20+67.50  
 V = N/A  
 e = 2% LT

Curve SUP03  
 PI = 103+90.81  
 DELTA = 6° 12' 20.89" (RT)  
 D = 47' 44" 47"  
 T = 6.51'  
 L = 13.00'  
 R = 120.00'  
 PC = 103+84.30  
 PT = 103+97.30  
 V = 20 mph  
 e = 2% RT

Begin Project 2G40-088-074  
 Begin Construction Sta. 100+63.70

End Project 2G40-088-074  
 End Construction Sta. 105+45.00

**LEGEND**

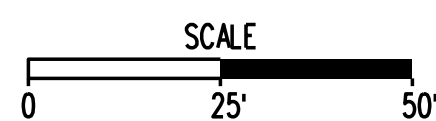
- Remove Existing Asphalt Walkway
- Proposed Asphalt Shared Use Path
- Proposed "V" Ditch
- Proposed Grading Hinge Point
- Proposed Temporary Construction Easement
- Existing Right of Way
- Existing Wetlands
- Denotes Construction Limit in Cut
- Denotes Construction Limit in Fill

- 10' WIDE SHARED USE PATH
- DETECTABLE WARNING SURFACE
- ST'D VDOT HR-1, TYPE III
- ST'D VDOT RW-3
- 5' WIDE CONCRETE SIDEWALK
- MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALL
- ASPHALT SAWCUT
- DO NOT DISTURB EXISTING UTILITY
- ST'D VDOT CG-2

**NOTES:**

1. GRADE AROUND SHARED USE PATH TO ENSURE POSITIVE DRAINAGE (2" MAX).
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT FROM HARM OR REPLACE UNDER LICENSED LAND SURVEYOR ALL PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION.
3. THE LIMITS OF CLEARING AND GRADING SHOWN WITHIN THE RESOURCE PROTECTION AREA (RPA) MUST BE STRICTLY OBSERVED AND ENFORCED. ANY ADDITIONAL ENCROACHMENT INTO OR DISTURBANCE OF THE RPA IS CONSIDERED A VIOLATION OF THE CHESAPEAKE BAY PRESERVATION ORDINANCE (CBPO) AND IS SUBJECT TO THE PENALTIES OF CBPO ARTICLE 9 (VIOLATIONS AND PENALTIES).
4. AT THE TIME OF CONSTRUCTION, THE COUNTY INSPECTOR SHALL DETERMINE IF THE EXISTING RAMP NEEDS TO BE RECONSTRUCTED.

\* AREA IS NOT AVAILABLE FOR CONTRACTOR'S USE.



**REFERENCES**  
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

|                               |             |
|-------------------------------|-------------|
| Shared Use Path Profile       | 3A(1)       |
| Sidewalk Profile              | 3A(2)       |
| Bridge & Retaining Wall Plans | 4(1)-4(28)  |
| Typical Sections              | 2B(1)-2B(2) |

**EMERGENCY POLICE - FIRE - RESCUE 911**

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

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|--|---|
| OFFICE OF CAPITAL FACILITIES<br>703-324-5800     |   |
| ROUTE 50 WALKWAY - BEAR BRANCH PEDESTRIAN BRIDGE |   |
| PLAN SHEET                                       |   |
| PROJECT NO: 2G40-088-074                         |   |
| SCALE<br>1"=25'                                  | DESIGNED: TLL<br>DRAFTED: WRA<br>CHECKED: RBH |
| SHEET<br>3                                       |   |

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

FUND # 400-C40011



**Whitman, Requardt & Associates, LLP**  
 12700 Fair Lakes Circle, Suite 300, Fairfax, Virginia 22033

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|--|---|
|  |   |
| Whitman, Requardt & Associates<br>Richmond, Virginia<br>HYDRAULIC ENGINEER | Whitman, Requardt & Associates<br>Fairfax, Virginia<br>ROADWAY ENGINEER |