

PROJECT MANAGER JOHN DRESSER, P.E. (703) 877-5812
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

VA STATE GRID NORTH
NAD 83 NORTH ZONE

Curve SUP01
PI • 100+26.44
DELTA • 5° 51' 50.24" (RT)
D • 28° 38' 52"
T • 10.24'
L • 20.47'
R • 200.00'
PC • 100+16.20
PT • 101+36.67
V • 25 mph
e • 2%

Curve SUP02
PI • 100+91.66
DELTA • 6° 00' 30.95" (LT)
D • 28° 38' 52"
T • 10.50'
L • 20.97'
R • 200.00'
PC • 100+81.16
PT • 101+02.14
V • 25 mph
e • 2%

Curve SUP03
PI • 103+47.01
DELTA • 12° 12' 42.62" (RT)
D • 47° 44' 34"
T • 12.84'
L • 25.58'
R • 120.00'
PC • 103+34.17
PT • 103+59.75
V • 25 mph
e • 2%

Curve SUP04
PI • 104+03.26
DELTA • 12° 16' 50.29" (LT)
D • 47° 44' 34"
T • 12.91'
L • 25.72'
R • 120.00'
PC • 103+90.35
PT • 104+16.07
V • 25 mph
e • 2%

Construction Baseline Alignment Data

Beginning chain SUPBL description
Point BL009 N 7,000,451.77 E 11,836,943.33 Sta 99+50.00
Course from BL009 to PC SUP01 N 88° 07' 44.75" E Dist 66.20
Curve Data

Curve SUP01
P.I. Station 100+26.44 N 7,000,454.26 E 11,837,019.73
Delta 5° 51' 50.24" (RT)
Degree 28° 38' 52.40"
Tangent 10.24
Length 20.47
Radius 200.00
External 0.26
Long Chord 20.46
Mid. Ord. 0.26
P.C. Station 100+16.20 N 7,000,453.93 E 11,837,009.49
P.T. Station 100+36.67 N 7,000,453.55 E 11,837,029.95
C.C. Station 100+26.44 N 7,000,254.03 E 11,837,016.02

Back S 88° 07' 44.75" E
Ahead S 86° 00' 25.01" E
Chord Bear S 88° 56' 20.13" E
Course from PT SUP01 to PC SUP02 S 86° 00' 25.01" E Dist 44.49
Curve Data

Curve SUP02
P.I. Station 100+91.66 N 7,000,449.72 E 11,837,084.81
Delta 6° 00' 30.95" (LT)
Degree 28° 38' 52.40"
Tangent 10.50
Length 20.97
Radius 200.00
External 0.28
Long Chord 20.96
Mid. Ord. 0.27
P.C. Station 100+81.16 N 7,000,450.45 E 11,837,074.34
P.T. Station 101+02.14 N 7,000,450.09 E 11,837,095.30
C.C. Station 100+91.66 N 7,000,649.97 E 11,837,088.26

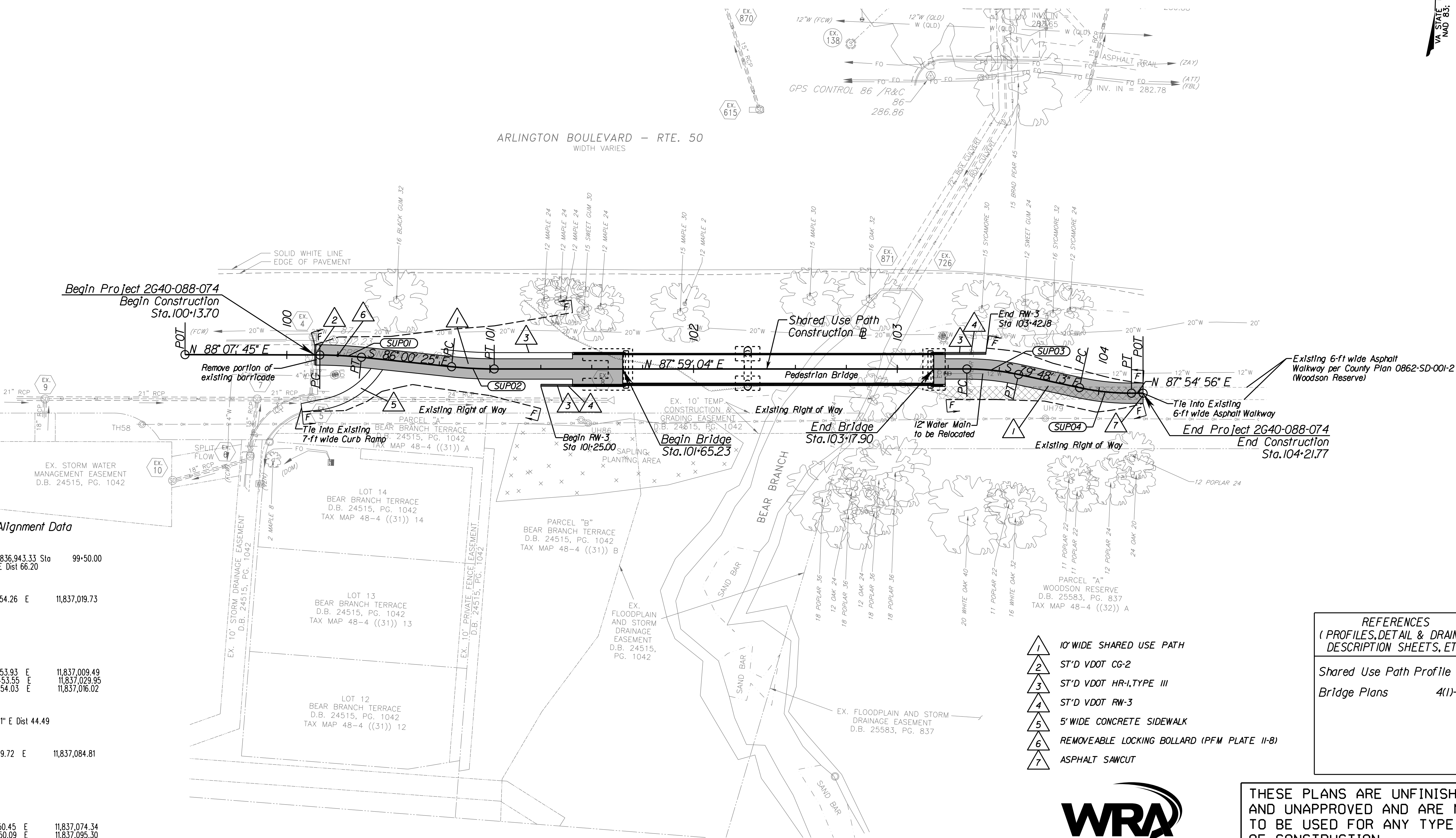
Back S 86° 00' 25.00" E
Ahead S 87° 59' 04.05" E
Chord Bear S 89° 00' 40.48" E
Course from PT SUP02 to PC SUP03 N 87° 59' 04.05" E Dist 232.03
Curve Data

Curve SUP03
P.I. Station 103+47.01 N 7,000,458.70 E 11,837,340.01
Delta 12° 12' 42.62" (RT)
Degree 47° 44' 47.34"
Tangent 12.84
Length 25.58
Radius 120.00
External 0.68
Long Chord 25.53
Mid. Ord. 0.68
P.C. Station 103+34.17 N 7,000,458.25 E 11,837,327.18
P.T. Station 103+59.75 N 7,000,456.43 E 11,837,352.65
C.C. Station 103+47.01 N 7,000,338.32 E 11,837,331.41

Back N 87° 59' 04.05" E
Ahead S 79° 48' 13.33" E
Chord Bear S 85° 54' 34.64" E
Course from PT SUP03 to PC SUP04 S 79° 48' 13.33" E Dist 30.60
Curve Data

Curve Data
Curve SUP04
P.I. Station 104+03.26 N 7,000,448.73 E 11,837,395.47
Delta 12° 16' 50.29" (LT)
Degree 47° 44' 47.34"
Tangent 12.91
Length 25.72
Radius 120.00
External 0.69
Long Chord 25.67
Mid. Ord. 0.69
P.C. Station 103+90.35 N 7,000,451.01 E 11,837,382.77
P.T. Station 104+16.07 N 7,000,449.20 E 11,837,408.37
C.C. Station 104+03.26 N 7,000,569.12 E 11,837,404.01
Back S 79° 48' 13.33" E
Ahead N 87° 54' 56.37" E
Chord Bear S 86° 56' 38.48" E
Course from PT SUP04 to BL008 N 87° 54' 56.37" E Dist 5.70
Point BL008 N 7,000,449.40 E 11,837,414.07 Sta 104+21.77
Ending chain SUPBL description

ARLINGTON BOULEVARD - RTE. 50
WIDTH VARIES



- 1 10' WIDE SHARED USE PATH
- 2 ST'D VDOT CG-2
- 3 ST'D VDOT HR-1, TYPE III
- 4 ST'D VDOT RW-3
- 5 5' WIDE CONCRETE SIDEWALK
- 6 REMOVEABLE LOCKING BOLLARD (PFM PLATE II-B)
- 7 ASPHALT SAWCUT

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

Shared Use Path Profile 3A
Bridge Plans 4(1)-4(5)



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

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION.

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				
R E V I S I O N S				
OFFICE OF CAPITAL FACILITIES 703-324-5800				
ROUTE 50 SHARED USE PATH AT BEAR BRANCH				
PLAN SHEET				
PROJECT NO: 2G40-088-074				
SCALE 1"=25'		DESIGNED: TLL DRAFTED: WRA CHECKED: RBH		SHEET 3
△#	DESCRIPTION	BY	APPROVED	DATE
APPROVED BY THE TRANSPORTATION DESIGN DIVISION				

FUND # 400-C40011