

# WASHINGTON PARK BIKE TRAIL

## SITE PLAN

CHARLOTTESVILLE, VIRGINIA

### SCOPE OF WORK:

THIS PROJECT CONSISTS OF THE INSTALLATION OF A PAVED CYCLING TRAIL CONNECTING MADISON AVENUE WITH THE WASHINGTON PARK PARKING LOT. ANCILLARY WORK ITEMS INCLUDE MINOR STORM SEWER IMPROVEMENTS AND PROPOSED MODULAR BLOCK RETAINING WALLS.

### PROJECT SUMMARY

NAME OF PROJECT: WASHINGTON PARK BIKE TRAIL

PROJECT LOCATION: 1001 PRESTON AVENUE  
CHARLOTTESVILLE, VIRGINIA 22902

DEVELOPMENT TYPE: BY-RIGHT

#### APPLICANT/OWNER:

CONTACT: CHRIS GENSCIC  
CITY OF CHARLOTTESVILLE  
ADDRESS: 501 EAST MAIN STREET  
CHARLOTTESVILLE, VA 22902  
PHONE: 434-970-3021  
EMAIL: GENSCIC@CHARLOTTESVILLE.ORG

#### ENGINEER OF RECORD:

CONTACT: LINE AND GRADE CIVIL ENGINEERING  
DANIEL C. HYER, PE  
ADDRESS: 113 4TH STREET NE; STE 100  
CHARLOTTESVILLE, VA 22902  
PHONE: 434-262-0169  
EMAIL: DHYER@LINE-GRADE.COM

#### SOURCE OF SURVEY AND TOPOGRAPHY:

SOURCE: ACTUAL GROUND SURVEY (SEE SHEET C0.1 FOR BENCHMARK)  
CONTACT: DRAPER ADEN ASSOCIATES  
CHERYL STOCKTON  
ADDRESS: 110 AVON STREET  
CHARLOTTESVILLE, VA 22902  
PHONE: 434-295-2105  
EMAIL: CSTOCKTON@DAA.COM

#### PARCELS:

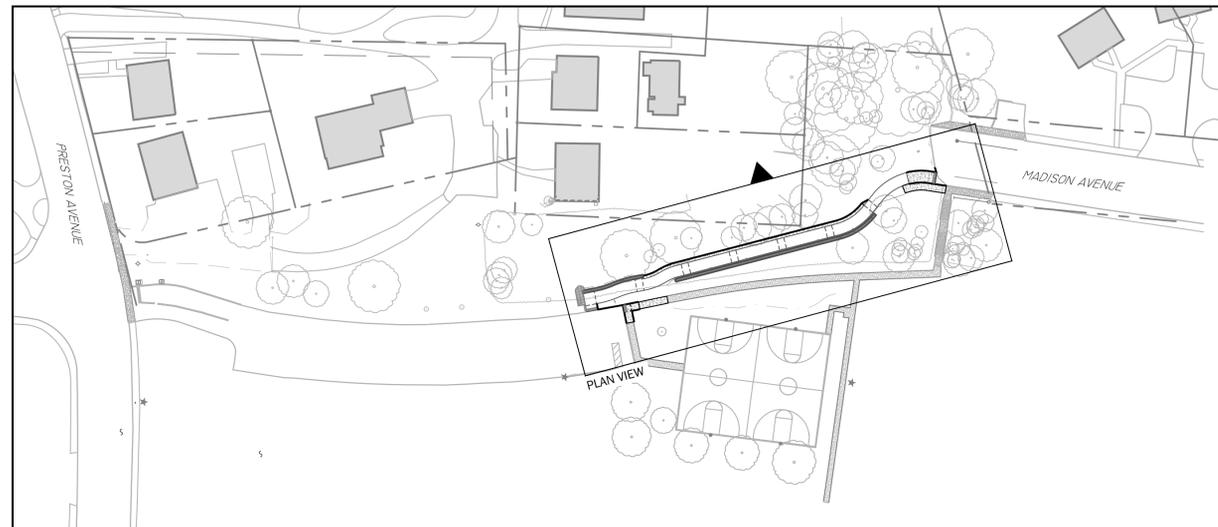
PARCEL ID: 30095000  
OWNER: CITY OF CHARLOTTESVILLE  
CONTACT: 5029 STONEY POINT RD  
BARBOURSVILLE, VA 22923  
ZONED: MLTP (MULTIPLE)  
OVERLAYS: PUBLIC PARK PROTECTION  
USE: PUBLIC PARK  
LEGAL AREA: 12.117 AC  
527,816.52 SF

#### PROPOSED SITE PLAN INFORMATION

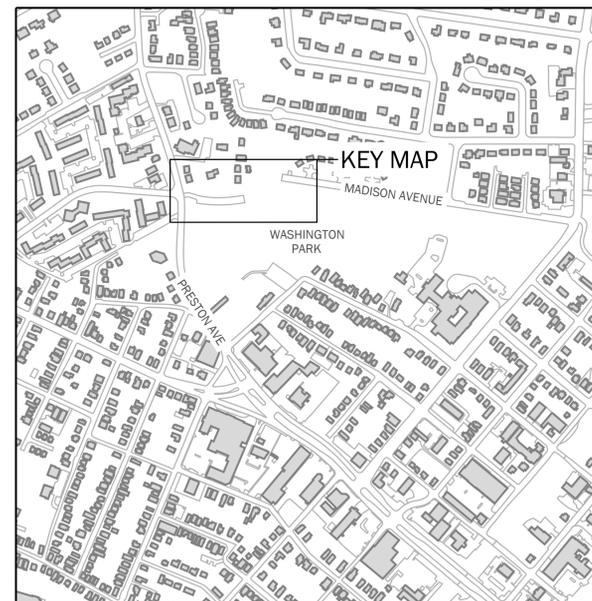
DISTURBANCE AREA: 0.13 AC (5,771 SF)  
PROPOSED IMPERVIOUS AREA: 3,865 SF  
12 DIGIT HUC CODE: 20802040401

### DESIGN INFORMATION

DESIGN MANUALS REFERENCED:  
VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK  
CITY OF CHARLOTTESVILLE STANDARDS AND DESIGN MANUAL  
ARCHITECTURAL BARRIERS ACT  
ACCESS BOARD TRAIL GUIDELINES



VICINITY MAP  
SCALE: 1" = 4000'



LOCATION MAP  
SCALE: 1" = 500'

### STANDARD ABBREVIATIONS

ABAN	ABANDON	ID	INSIDE DIAMETER	R&D	REMOVE AND DISPOSE
AC	ACRES	LA	LANDSCAPED AREA	R&R	REMOVE AND RESET
ADJ	ADJUST	LF	LINEAR FEET	R&S	REMOVE AND STACK
APPROX	APPROXIMATE	LOD	LIMITS OF DISTURBANCE	SB	SOUTHBOUND
ASPH	ASPHALT	LT	LEFT	SF	SQUARE FEET
⊕	BASELINE	MAX	MAXIMUM	SSD	STOPPING SIGHT DISTANCE
BLDG	BUILDING	MIN	MINIMUM	STA	STATION
BM	BENCHMARK	ME	MATCH EXISTING	SW	SIDEWALK
⊖	CENTERLINE	NIC	NOT IN CONTRACT	TEMP	TEMPORARY
CF	CUBIC FEET	N.T.S.	NOT TO SCALE	TRANS	TRANSITION
CG	CURB AND GUTTER	NB	NORTHBOUND	TYP	TYPICAL
CONC	CONCRETE	OC	ON CENTER	WB	WESTBOUND
CONST	CONSTRUCTION	OD	OUTSIDE DIAMETER	WSEL	WATER SURFACE ELEVATION
DI	DROP INLET	PRKG	PARKING		
DND	DO NOT DISTURB	PROJ	PROJECT		
EB	EASTBOUND	PROP	PROPOSED		
EL	ELEVATION	PVMT	PAVEMENT		
EX	EXISTING	PM	PAVEMENT MARKING		
FND	FOUNDATION	REM	REMOVE		
GRVL	GRAVEL	ROW	RIGHT-OF-WAY		
HC	HANDICAP	RT	RIGHT		

### ALIGNMENT/GRADING ABBREVIATIONS

BC	BACK OF CURB	PC	POINT OF CURVATURE
BOC	BOTTOM OF CURB	PCC	POINT OF COMPOUND CURVATURE
BR	BOTTOM OF RAMP	PI	POINT OF INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION	PNT	POINT
BVCE	BEGIN VERTICAL CURVE ELEVATION	PR	PROPOSED ELEVATION
BW	BOTTOM OF WALL	PRC	POINT OF REVERSE CURVATURE
D OR Δ	DELTA ANGLE	PT	POINT OF TANGENCY
EC	EDGE OF CONCRETE	PVC	POINT OF VERTICAL CURVATURE
EG	EXISTING GRADE	PVI	POINT OF VERTICAL INTERSECTION
EP	EDGE OF PAVEMENT	PVT	POINT OF VERTICAL TANGENCY
EVCS	END VERTICAL CURVE STATION	R	RADIUS
EVCE	END VERTICAL CURVE ELEVATION	TAN	TANGENT DISTANCE
FG	FINISHED GRADE	TC	TOP OF CURB
FL	FLOWLINE	THT	THROAT
HP	HIGH POINT	TR	TOP OF RAMP
INV	INVERT	TW	TOP OF WALL
L	LENGTH	STA	STATION
LP	LOW POINT	SP	SADDLE POINT
LVC	LENGTH OF VERTICAL CURVATURE	OFF	OFFSET

### SHEET INDEX

Sheet Number	Sheet Title
C0.0	Title Sheet
C0.1	General Notes
C1.0	Demolition and Erosion & Sediment Control Plan
C1.1	Erosion & Sediment Control Details
C2.0	Site Plan
C2.1	Grading Insets and Site Details
C2.2	Site Sections
C3.0	Drainage Map
C3.1	Storm Profiles and Calculations
C4.0	Site Details
C4.1	Retaining Wall and Drainage Details
X0.0	Survey
12	TOTAL SHEETS

### SUBMITTAL LOG

SUBMISSION	DESCRIPTION	RECIPIENT	SUBMITTAL DATE
1	1ST SUB	NEIGHBORHOOD DEVELOPMENT SERVICES	3/6/2020
2	2ND SUB	NEIGHBORHOOD DEVELOPMENT SERVICES	7/31/2020
3	3RD SUB	NEIGHBORHOOD DEVELOPMENT SERVICES	10/12/2020
4	4TH SUB FOR APPROVAL	NEIGHBORHOOD DEVELOPMENT SERVICES	6/8/2021
5	5TH SUB FOR APPROVAL	NEIGHBORHOOD DEVELOPMENT SERVICES	08/20/2021

*Brian J. Haluska*  
NDS DIRECTOR SIGNATURE

12-16-21  
DATE

CITY ENGINEER SIGNATURE

DATE

LINE + GRADE  
CIVIL ENGINEERING

WASHINGTON PARK BIKE TRAIL

SITE PLAN  
CHARLOTTESVILLE, VIRGINIA

TITLE SHEET



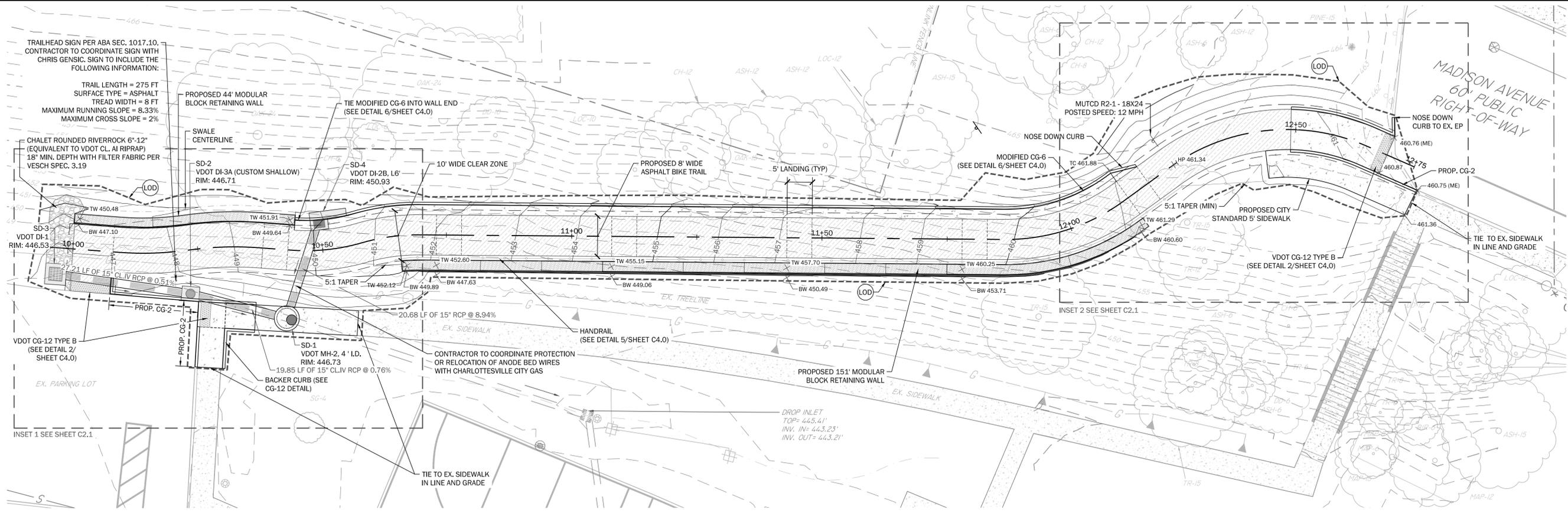
APPROVED DCH

SUBMISSION NO. 5

PROJECT 2001004

THE WORK OF LINE + GRADE

C0.0



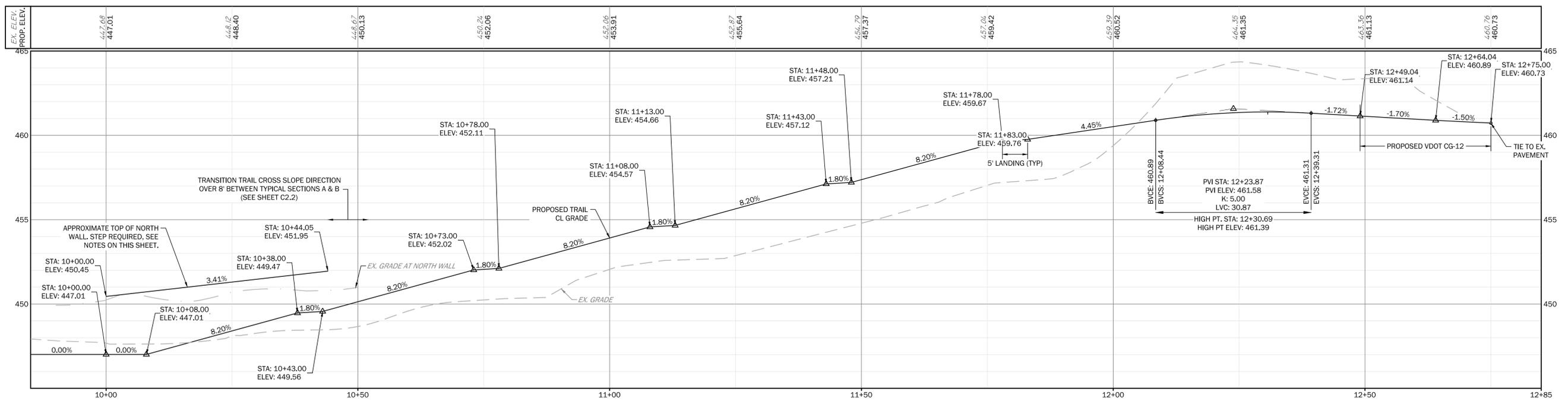
**1** SITE PLAN  
1" = 10': 0 10 20

**SITE PLAN NOTES**

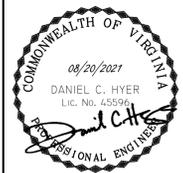
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A MODULAR BLOCK RETAINING WALL DESIGN SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF VIRGINIA TO THE SATISFACTION OF THE CITY OF CHARLOTTESVILLE CITY ENGINEER. THE RETAINING WALL DESIGN WILL REQUIRE A SEPARATE PERMIT. THE ACQUISITION OF THIS PERMIT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR.
- UTILITY PROFILES AND STORM CALCULATIONS ARE NOT PROVIDED, AS A STORMWATER MANAGEMENT PLAN IS NOT REQUIRED DUE TO THE DISTURBANCE LIMITS. HOWEVER, APPROPRIATE HYDRAULIC AND HYDROLOGIC CALCULATIONS HAVE BEEN PERFORMED, AND ALL PROPOSED STORM SEWER ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE APPROPRIATE CITY STANDARDS.
- CONTRACTOR TO ENSURE THE SLOPES OF ALL RAMPS (INCLUDING THOSE ON CG-12S) DO NOT EXCEED 8.33% (1:12) IN ANY DIRECTION AT ANY POINT ALONG THE RAMPS.
- CONTRACTOR TO ENSURE THE SLOPES OF ALL LANDINGS (INCLUDING THOSE ON CG-12S) DO NOT EXCEED 2% (1:50) IN ANY DIRECTION AT ANY POINT ON THE LANDINGS.
- TOP OF WALL ON SOUTH SIDE OF TRAIL SHALL BE SET A MINIMUM OF 6" ABOVE TRAIL EDGE ALONG THE ENTIRE LENGTH OF THE WALL. WALL ENGINEER TO DETERMINE WALL STEP LOCATIONS TO MAINTAIN THIS MINIMUM.
- STEPPING OF THE WALL LEVELING PADS AND TOPS WILL BE NECESSARY. LOCATIONS OF STEPS SHALL BE DETERMINED BY THE WALL ENGINEER IN ORDER TO MATCH TOP OF WALL ELEVATIONS SHOWN ON PLANS AND TO MEET EMBEDMENT DEPTH MINIMUMS (SEE WALL DETAILS ON SHEET C4.1). WALL ENGINEER TO COORDINATE STEP LOCATIONS WITH ENGINEER OF RECORD IF MINIMUMS CANNOT BE MET.

**LEGEND**

	LIMITS OF DISTURBANCE
	PROPOSED ASPHALT
	RETAINING WALL
	PROPOSED CONCRETE
	GRADE BREAK LINE
	DETECTABLE WARNING STRIP



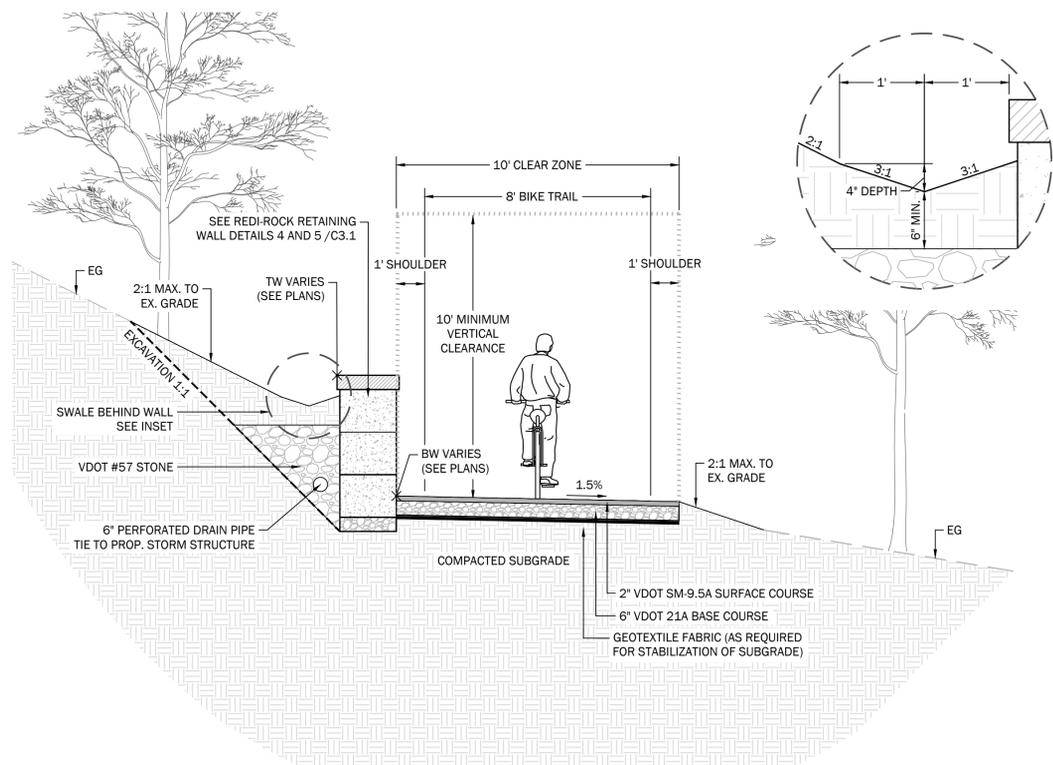
**2** BIKE TRAIL VERTICAL PROFILE  
H: 1" = 10': 0 10 20  
V: 1" = 3': 0 3 6



APPROVED DCH  
SUBMISSION NO. 5  
PROJECT 2001004

THE WORK OF  
LINE + GRADE

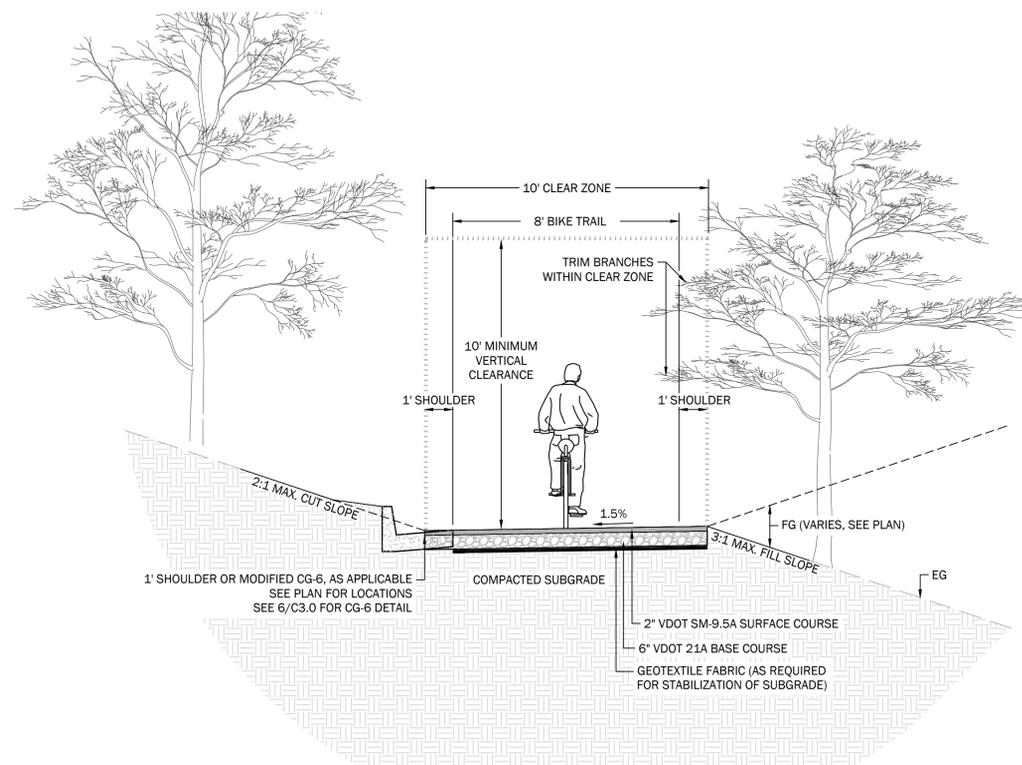
**C2.0**



1 TYPICAL SECTION A

1" = 3'-0" 3 6

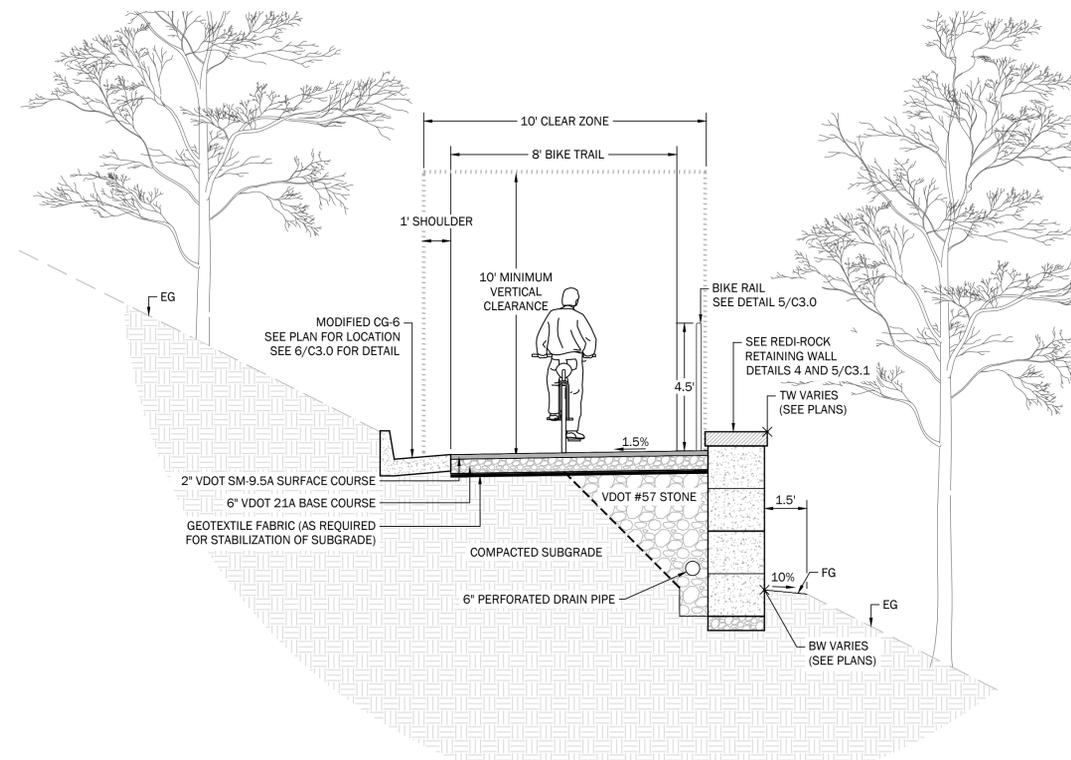
Start Sta.	End Sta.
10+00	10+44



2 TYPICAL SECTION B

1" = 3'-0" 3 6

Start Sta.	End Sta.	Left Edge Treatment
10+52	10+65	Modified CG-6
12+13	12+18	Modified CG-6
12+18	12+75	Shoulder



3 TYPICAL SECTION C

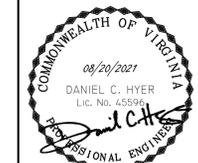
1" = 3'-0" 3 6

Start Sta.	End Sta.
10+65	12+13

WASHINGTON PARK BIKE TRAIL

SITE PLAN  
CHARLOTTESVILLE, VIRGINIA

SITE SECTIONS



APPROVED DCH

SUBMISSION NO. 5

PROJECT 2001004

THE WORK OF  
LINE + GRADE

C2.2