

# MONTICELLO AVENUE FROM RIDGE STREET TO QUARRY ROAD CITY OF CHARLOTTESVILLE, VIRGINIA

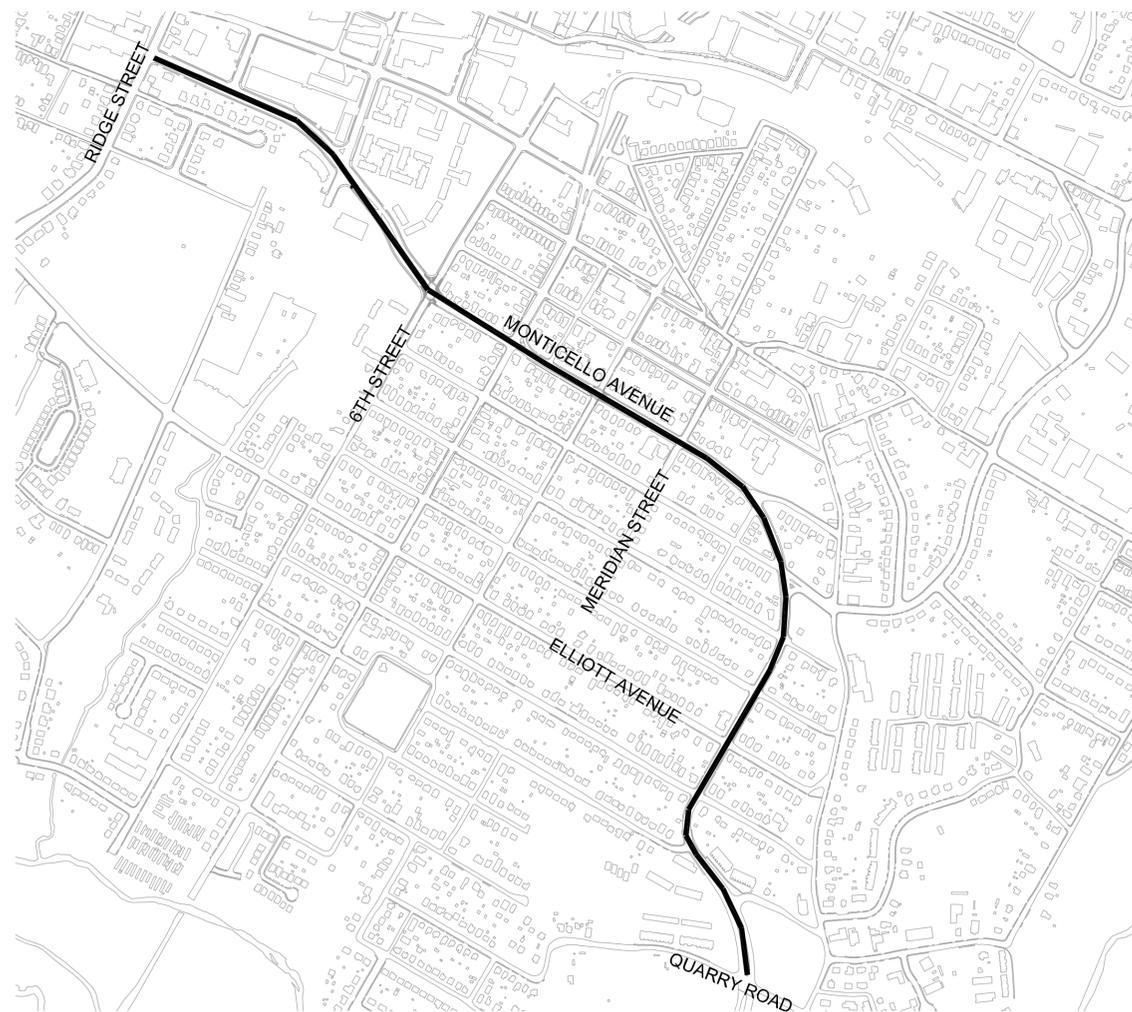
90% PLANS SUBMISSION  
AUGUST 2, 2016

SHEET INDEX

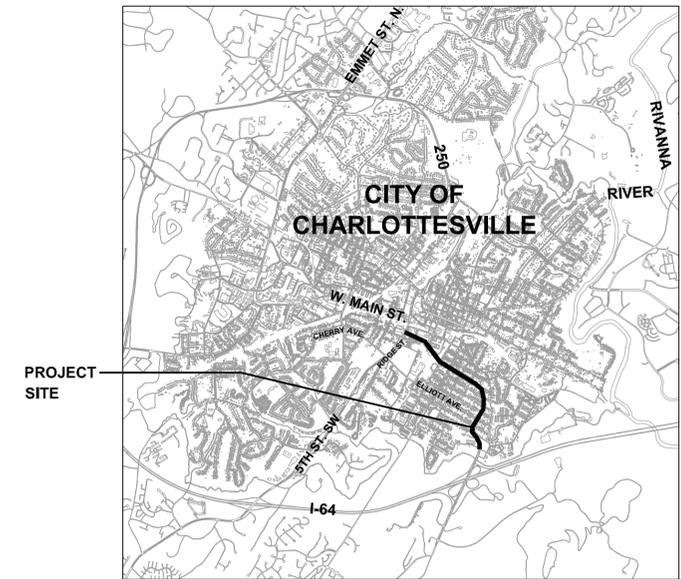
01	C0.0 TITLE SHEET, LEGEND & DRAWING INDEX
02	C1.0 GENERAL NOTES
03-07	C3.0 TYPICAL DETAILS
08-22	C4.0-C4.14 SIGNING & MARKING PLANS

ALIGNMENT/GRADING ABBREVIATIONS

BC	BOTTOM OF CURB
BOC	BACK OF CURB
BR	BOTTOM OF RAMP
D OR Δ	DELTA ANGLE
FOC	FACE OF CURB
L	LENGTH
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PNT	POINT
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
R	RADIUS
T	TANGENT DISTANCE
TC	TOP OF CURB
TR	TOP OF RAMP



**LOCATION MAP**  
SCALE 1" = 500'



**KEY MAP**  
SCALE 1" = 4000'



8484 GEORGIA AVENUE, SUITE 800, SILVER SPRING, MD 20910  
PHONE: (301) 927-1900 FAX: (301) 927-2800  
www.tooledesign.com

**MONTICELLO AVENUE**  
RIDGE STREET TO CITY LIMITS  
CHARLOTTESVILLE, VA

PREPARED: MMN  
CHECKED: MAB  
DATE  
08/02/2016  
REV. 1 -  
REV. 2 -  
REV. 3 -

SHEET NAME  
TITLE SHEET

DRAWING NUMBER  
**C0.0**

SHEET NUMBER  
**01** OF **24**

90% SUBMITTAL - NOT FOR CONSTRUCTION

## GENERAL NOTES

### UTILITIES

- PRIOR TO CONSTRUCTION OR EXCAVATION, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY OF LOCATING ANY AND ALL UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST WITHIN OR CROSS THROUGH THE AREA OF CONSTRUCTION WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CALL 'MISS UTILITY OF VIRGINIA' AT 1-800-552-7001. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS SOLE EXPENSE, ANY EXISTING UTILITY DAMAGED DURING CONSTRUCTION.
- THE PLAN DOES NOT GUARANTEE THE EXISTENCE, NONEXISTENCE, SIZE, TYPE, LOCATION, ALIGNMENT, OR DEPTH OF ANY OR ALL UNDERGROUND UTILITIES OR OTHER FACILITIES. WHERE SURFACE FEATURES (MANHOLES, CATCH BASINS, VALVES, ETC.) ARE UNAVAILABLE OR INCONCLUSIVE. INFORMATION SHOWN MAY BE FROM UTILITY OWNER'S RECORDS AND/OR ELECTRONIC LINE TRACING, THE RELIABILITY OF WHICH IS UNCERTAIN. THE CONTRACTOR SHALL PERFORM TEST EXCAVATIONS OR OTHER INVESTIGATION AS NECESSARY TO VERIFY LOCATION AND CLEARANCES.
- WHEN THE WORK CROSSES EXISTING UTILITIES, THE EXISTING UTILITIES SHALL BE ADEQUATELY SUPPORTED AND PROTECTED FROM DAMAGE DUE TO THE WORK. ALL METHODS FOR SUPPORTING AND MAINTAINING THE EXISTING UTILITIES SHALL BE APPROVED BY THE RESPECTIVE UTILITY COMPANY AND/OR THE ENGINEER. CONTRACTOR SHALL EXERCISE CARE TO INSURE THAT THE GRADE AND ALIGNMENT OF EXISTING UTILITIES ARE MAINTAINED AND THAT NO JOINTS OR CONNECTIONS ARE DISPLACED. BACKFILL SHALL BE CAREFULLY PLACED AND COMPACTED TO PREVENT FUTURE DAMAGE OR SETTLEMENT TO EXISTING UTILITIES. ANY UTILITIES REMOVED AS PART OF THE WORK, AND NOT INDICATED TO BE REMOVED OR ABANDONED, SHALL BE RESTORED USING MATERIALS AND INSTALLATION EQUAL TO THE UTILITY'S STANDARDS.
- CONTRACTOR SHALL NOTIFY LANDOWNERS, TENANTS AND THE ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY SERVICES. SERVICE INTERRUPTIONS SHALL BE KEPT TO A MINIMUM. UTILITY SERVICES MAY NOT BE INTERRUPTED WITHOUT WRITTEN APPROVAL OF THE UTILITY OWNER AND THE ENGINEER.
- CONTRACTOR TO MAKE ANY NECESSARY ADJUSTMENTS TO ALL UTILITY JUNCTION BOXES, VALVE BOXES, MANHOLES, CLEAN-OUTS, AND OTHER GRADE RELATED ITEMS IN SIDEWALK, ROADWAY, AND/OR ADJACENT AREAS TO MATCH FINISHED GRADE. COSTS ARE TO BE INCLUDED UNDER THE VARIOUS UNIT BID ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

### EROSION CONTROL & WORK AREA PROTECTION AND MAINTENANCE

- CONTRACTOR IS PERMITTED TO WORK IN THE PUBLIC RIGHT-OF-WAY AND ANY TEMPORARY OR PERMANENT EASEMENT SHOWN ON THE PLANS. HOWEVER, CONTRACTOR SHALL NOTIFY PROPERTY OWNER(S) FORTY-EIGHT (48) HOURS PRIOR TO WORKING ON ANY PRIVATE PROPERTY TO COORDINATE ACCESS AND TO DETERMINE A STORAGE AREA FOR MATERIALS IF NEEDED. COORDINATION OF ACCESS TO PUBLIC RIGHT-OF-WAY AND STORAGE OF MATERIALS THEREON SHALL BE COORDINATED WITH THE ENGINEER. CONTRACTOR'S FAILURE TO NOTIFY AND COORDINATE WITH PROPERTY OWNERS AND/OR THE ENGINEER MAY RESULT IN DELAYS. NO ADDITIONAL COMPENSATION OR TIME FOR PERFORMANCE WILL BE GIVEN FOR ANY SUCH DELAYS.
- CONTRACTOR SHALL, AT HIS EXPENSE, MAINTAIN THE WORK SITE IN A CLEAN AND ORDERLY APPEARANCE AT ALL TIMES. ALL DEBRIS AND SURPLUS MATERIAL COLLECTED SHALL BE DISPOSED OF OFF THE WORK SITE BY CONTRACTOR, AT HIS EXPENSE.
- EXISTING LAWNS, TREES, SHRUBS, FENCES, UTILITIES, CULVERTS, WALLS, WALKS, DRIVEWAYS, POLES, SIGNS, RIGHT-OF-WAY MONUMENTS, MAILBOXES AND THE LIKE SHALL BE PROTECTED FROM DAMAGE DURING THE WORK. ANY DAMAGE CAUSED TO SUCH ITEMS SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST. PROPERTY PINS DISTURBED BY CONTRACTOR THAT ARE NOT SHOWN ON THE PLANS TO BE DISTURBED SHALL BE RESTORED BY LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- MEASURES TO CONTROL EROSION AND SILTATION SHALL BE PROVIDED PURSUANT TO AND IN COMPLIANCE WITH CURRENT FEDERAL, STATE AND LOCAL REGULATIONS. THE INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND/OR APPROVAL OF THE PLANS SHALL IN NO WAY RELIEVE THE CONTRACTOR OR HIS AGENT OF ANY LEGAL RESPONSIBILITY WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA OR ANY ORDINANCE ENACTED BY THE CITY OF CHARLOTTESVILLE. CONTRACTOR SHALL PROVIDE THE NECESSARY DIVERSION DITCHES, DIKES, OR TEMPORARY CULVERTS REQUIRED TO PREVENT MUD AND DEBRIS FROM BEING WASHED ONTO THE STREETS OR ADJACENT PROPERTY. CONTRACTOR'S VEHICLES SHALL BE KEPT CLEAN TO PREVENT MUD OR DUST FROM BEING DEPOSITED ON STREETS. NO AREA SHALL BE LEFT DENUDE FOR MORE THAN SEVEN (7) CALENDAR DAYS.
- CONTRACTOR SHALL CLEAN UP, RESTORE, SEED AND MAINTAIN ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF WORK. TOPSOIL, SEED, FERTILIZER AND MULCH SHALL BE PLACED IN ACCORDANCE WITH CITY STANDARDS ON ALL DISTURBED AREAS. A PERMANENT STAND OF GRASS ADEQUATE TO PREVENT EROSION SHALL BE ESTABLISHED PRIOR TO FINAL ACCEPTANCE. ALL EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED WITHIN 30 DAYS AFTER THE PROJECT IS STABILIZED. (MS-18)
- FOR FURTHER REQUIREMENTS AND DETAILS OF TREE PRESERVATION, PLANTING, EROSION AND SEDIMENT CONTROL, REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- AN EROSION AND SEDIMENT CONTROL CONTRACTOR CERTIFICATION (E.S.C.C.) IS REQUIRED FOR ALL LAND DISTURBANCE ACTIVITIES.
- THE CONTRACTOR SHALL PROPERLY INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS FOR THE LIFE OF THE PROJECT; AND ROUTINELY CHECK CONTROL DEVICES BEFORE, DURING AND AFTER STORM EVENTS.

### VEGETATION

- TREE AND PLANT ROOTS OR BRANCHES THAT MAY INTERFERE WITH THE WORK SHALL BE TRIMMED OR CUT ONLY WITH THE APPROVAL OF THE OWNER AND ENGINEER. ANY TREES OR PLANTS WHICH ARE SHOWN TO REMAIN THAT DO NOT INTERFERE WITH THE WORK, BUT ARE DAMAGED BY CONTRACTOR OR HIS SUB-CONTRACTORS, SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST.

### EARTH WORK AND SITE CONDITIONS

- EXCEPT AS OTHERWISE SHOWN ON THE PLANS, ALL CUTS AND FILLS SHALL MATCH EXISTING SLOPES OR BE NO GREATER THAN 4:1.
- UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, ALL FILL MATERIALS SHALL BE COMPACTED TO 95% OF THEORETICAL MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 METHOD A, WITHIN PLUS OR MINUS 2% OF OPTIMUM MOISTURE, FOR THE FULL WIDTH AND THE DEPTH OF THE FILL.
- ALL GRADING AND IMPROVEMENTS TO BE CONFINED TO THE PROJECT AREA UNLESS OTHERWISE INDICATED.
- PROPOSED GRADES SHALL BE FIELD ADJUSTED TO CONFORM TO THE INTENT OF THE TYPICAL SECTIONS. A SMOOTH GRADE SHALL BE MAINTAINED FOR THE BASELINE TO THE PROPOSED EDGE OF PAVEMENT OR FACE OF CURB TO PRECLUDE THE FORMING OF FALSE GUTTERS AND/OR PONDING OF WATER ON ALL PAVED SURFACES.
- ALL MATERIALS AND INSTALLATION DETAILS SHALL CONFORM TO THE CITY OF CHARLOTTESVILLE ENGINEERING DIVISION STANDARDS AND ALL OTHER APPLICABLE CITY ORDINANCES.
- ANY UNUSUAL OR UNANTICIPATED SUBSURFACE CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO BEGINNING WORK, AND IMMEDIATELY NOTIFY THE ENGINEER IN THE EVENT THERE ARE ANY DISCREPANCIES BETWEEN SUCH CONDITIONS AND THOSE SHOWN ON THE PLANS AND SPECIFICATIONS.

### CONCRETE AND ASPHALT

- ALL MATERIAL INSIDE FORMS SHALL BE CLEAN AND FREE OF ALL ROCKS AND OTHER LOOSE DEBRIS. SUB-BASE MATERIAL SHALL BE COMPACTED BY MECHANICAL MEANS.
- CONCRETE SHALL NOT BE PLACED UNLESS THE AIR TEMPERATURE IS AT LEAST 40 DEGREES FAHRENHEIT (F) IN THE SHADE AND RISING.
- CONCRETE SHALL NOT BE PLACED UNTIL STEEL DOWELS HAVE BEEN INSTALLED IN EXISTING CONCRETE IN ACCORDANCE WITH CITY STANDARDS.
- 1/2" PREMOLDED EXPANSION JOINT MATERIAL SHALL BE PLACED AT A MAXIMUM OF 30' INTERVALS ON NEW SIDEWALK, CURB, CURB & GUTTER, AT EACH END OF DRIVEWAY ENTRANCES, AT EACH END OF HANDICAP RAMPS, SOME POINT ON ENTRANCE WALKS AND STEPS ADJUSTMENTS, AND ALONG BUILDINGS AND WALLS WHERE NEW CONCRETE SIDEWALKS ARE PLACED AGAINST THEM.
- ALL EXISTING CURBS, CURB & GUTTER, SIDEWALK AND STEPS TO BE REMOVED SHALL BE TAKEN OUT TO THE NEAREST JOINT. DEMOLITION AND DISPOSAL COST TO BE INCLUDED IN OTHER UNIT BID ITEMS. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- EXISTING ASPHALT CONCRETE PAVEMENT SHALL BE SAW CUT AND REMOVED AS PER THE SPECIFICATIONS. REMOVAL SHALL BE DONE IN SUCH A MANNER AS TO NOT TEAR, BULGE OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL, ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE DIRECTION OF TRAFFIC.
- DISPOSAL OF ALL EXCESS AND DEMOLITION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.

### DRAINAGE

- CONTRACTOR SHALL EXERCISE CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, TO PROVIDE POSITIVE DRAINAGE. ANY AREAS WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL COST. POSITIVE DRAINAGE OF ALL ROADWAY AREAS TO THE STORM DRAIN INLETS OR OTHER ACCEPTABLE DRAINAGE CHANNELS AS NOTED ON THE PLANS IS REQUIRED.
- CONTRACTOR SHALL MAINTAIN EXISTING STREAMS, DITCHES, DRAINAGE STRUCTURES, CULVERTS AND FLOWS AT ALL TIMES DURING THE WORK. CONTRACTOR SHALL PAY FOR ALL PERSONAL INJURY AND PROPERTY DAMAGE WHICH MAY OCCUR AS A RESULT OF FAILING TO MAINTAIN ADEQUATE DRAINAGE.
- ALL PIPES, D/S AND OTHER STRUCTURES SHALL BE INSPECTED BY THE ENGINEER BEFORE BEING BACKFILLED OR BURIED. THE ENGINEER MAY REQUIRE CONTRACTOR, AT NO ADDITIONAL COST, TO UNCOVER AND RE-COVER SUCH STRUCTURES IF THEY HAVE BEEN BACKFILLED OR BURIED WITHOUT SUCH INSPECTION.

### GENERAL

- ALL BASE INFO IS BASED ON GIS, CONTRACTOR SHALL FIELD VERIFY PLANS FOR ACCURACY.

### INCIDENTAL NOTES

- CLEARING AND GRUBBING SHALL BE CONFINED TO THOSE AREAS NEEDED FOR CONSTRUCTION.
- DISTURBED AREAS BEYOND THE ROADWAY CURB AND WHERE INDICATED ON THE PLANS SHALL RECEIVE TOPSOIL AS NECESSARY AND AS DIRECTED. SEEDING MIXTURE SHALL BE DETERMINED BY THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, SECTION 3.32

### GENERAL NOTES FOR MAINTENANCE OF TRAFFIC

- THE VIRGINIA WORK AREA PROTECTION MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL GOVERN ALL TEMPORARY TRAFFIC CONTROL OPERATIONS THROUGHOUT CONSTRUCTION OF THIS PROJECT. ADHERENCE TO APPLICABLE PROVISIONS OF THE MANUAL IS REQUIRED OF THE CONTRACTOR EVEN THOUGH DETAILED REFERENCE TO ALL SUCH PROVISIONS MAY NOT BE CONTAINED IN THE PLANS.
- ALL EXISTING RESIDENTIAL AND COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- NO TEMPORARY PAVEMENT MARKING SHALL BE ALLOWED ON THE FINAL ASPHALT SURFACE COURSE.
- THE CONTRACTOR SHALL MAINTAIN ALL LANES OF TRAVEL OPEN FROM 6:30 AM TO 9:00 AM AND 3:00 PM TO 6:00 PM UNLESS APPROVED BY THE ENGINEER. SHORT PERIODS OF ONE WAY FLAGGING OPERATIONS MAY BE CONDUCTED OUTSIDE THE HOURS MENTIONED ABOVE.
- ALL TRAFFIC SIGNALS SHALL BE ADJUSTED BY THE ENGINEER AS DEEMED NECESSARY BY THE ENGINEER PRIOR TO ANY TRAFFIC CHANGES.
- WHEN WORK IN THE EXCAVATION AREA IS DISCONTINUED FOR A SHORT PERIOD OF TIME, AS AT NIGHT, THE CONTRACTOR SHALL BACKFILL THE CUT AREAS ADJACENT TO THE EXISTING PAVEMENT WITH A 'FILLET OF MATERIAL'. THE FILLET SHALL BE COMPOSED OF THE SAME MATERIAL (EXCAVATION, BORROW, BASE COURSE, ETC.) ALL COSTS FOR PLACING AND REMOVING THIS FILLET OF MATERIAL SHALL BE INCLUDED IN THE PRICE BID FOR OTHER BID ITEMS OF WORK ON THIS PROJECT, AND NO ADDITIONAL CHARGE WILL BE ALLOWED.
- EXISTING SURFACE, AGGREGATE BASE AND SUBBASE MATERIAL WHICH WILL BE DEMOLISHED OR OBLITERATED DURING CONSTRUCTION AND WHICH IS SUITABLE FOR MAINTENANCE OF TRAFFIC AS DETERMINED BY THE ENGINEER, SHALL BE SALVAGED AND UTILIZED FOR MAINTENANCE OF TRAFFIC PRIOR TO THE USE OF COMMERCIAL MATERIAL. WHEN NOT SPECIFIED AS A SEPARATE PAY ITEM, THE REMOVAL AND SALVAGING OF EXISTING SURFACES AND AGGREGATE BASE AND SUBBASE MATERIAL WILL BE MEASURED AND PAID FOR AS REGULAR EXCAVATION IN ACCORDANCE WITH SECTION 303 OF THE SPECIFICATIONS.
- TEMPORARY TRAFFIC BARRIER SERVICE SHALL BE INSTALLED AND REMOVED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC.
- CONTRACTOR SHALL NOTIFY TRANSIT PROVIDERS A MINIMUM OF TWO WEEKS PRIOR TO ANY IMPACT OR DISRUPTION TO REGULAR SERVICE OR STOPS.
- ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE ERADICATED.
- INSTALLATION AND REMOVAL OF TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE SECTION 6G.25 OF THE WORK AREA PROTECTION MANUAL.
- USE APPROPRIATE SIGNS TO SHIFT PEDESTRIAN TRAFFIC AS NEEDED.
- CONTRACTOR SHALL ASSURE ENDS OF TEMPORARY CONCRETE BARRIER DO NOT OBSTRUCT INTERSECTION SIGHT LINES.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE WORK AREA AT ALL TIMES.

### AMERICANS WITH DISABILITIES ACT

- CURB RAMPS AND PEDESTRIAN PUSH BUTTONS MUST BE MODIFIED OR REPLACED AT EACH PROPOSED CROSSWALK IF THE EXISTING FEATURE IS NOT CURRENTLY ADA ACCESSIBLE.

### MARKING LEGEND

EXISTING	PROPOSED	
	BE	BEGIN ERADICATION
	EE	END ERADICATION
	ES	ERADICATE SYMBOL
		SIGN AND POST
		BICYCLE LANE SYMBOL
		SHARED LANE SYMBOL
		BIKE BOX SYMBOL
	4" SWL	4" SOLID WHITE LANE LINE OR INSIDE BICYCLE LANE LINE
	6" SWL	6" SOLID WHITE OUTSIDE BICYCLE LANE LINE
	4" BWL	4" BROKEN WHITE LANE LINE (10' STRIPE, 30' SKIP)
	4" DWL	4" DOTTED WHITE ILINE (2' STRIPE, 4' SKIP)
	6" DWL	6" DOTTED WHITE LINE (2' STRIPE, 4' SKIP)
	4" SYL	4" SOLID YELLOW LANE LINE
	4" SYCL	4" SOLID YELLOW CENTERLINE
	4" DSYCL	4" DOUBLE SOLID YELLOW CENTERLINE
	4" BYCL	4" DOUBLE BROKEN YELLOW CENTERLINE (10' STRIPE, 30' SKIP)
	4" DDYCL	4" DOUBLE DOTTED YELLOW CENTERLINE (2' STRIPE, 4' SKIP)
	4" SBYCL	4" SOLID YELLOW LANE LINE WITH 4" BROKEN YELLOW LANE LINE (10' STRIPE, 30' SKIP)
	6" SWCHL	6" SOLID WHITE CHANNELIZATION LINE
	6"-24" SYCHL	6"-24" SOLID YELLOW CHANNELIZATION LINE
	12" SL	12" STOP LINE
		CROSSWALK WITH 6" SWL FOR PARALLEL LINES AND 2" SWL (4' O.C. AT 90° ALIGNED WITH CURB, UNLESS OTHERWISE NOTED)
		GORE MARKINGS WITH 6" SWCHL OR 6"-24" SYCHL (5' O.C. AT 45° UNLESS OTHERWISE NOTED)
		WHITE PAVEMENT ARROW AND TEXT
		COLORIZED COATING
		EXISTING FIRE HYDRANT
		PROPOSED FLEXIBLE BOLLARD
		EXISTING BUS STOP

### SIGN LEGEND

- ✕ EXISTING SIGN TO BE REMOVED
- △ EXISTING SIGN TO BE RELOCATED
- ▲ RELOCATED LOCATION OF EXISTING SIGN
- NEW SIGN TO BE INSTALLED

PREPARED: MMN  
 CHECKED: MAB

DATE  
 08/02/2016

REV. 1 -  
 REV. 2 -  
 REV. 3 -

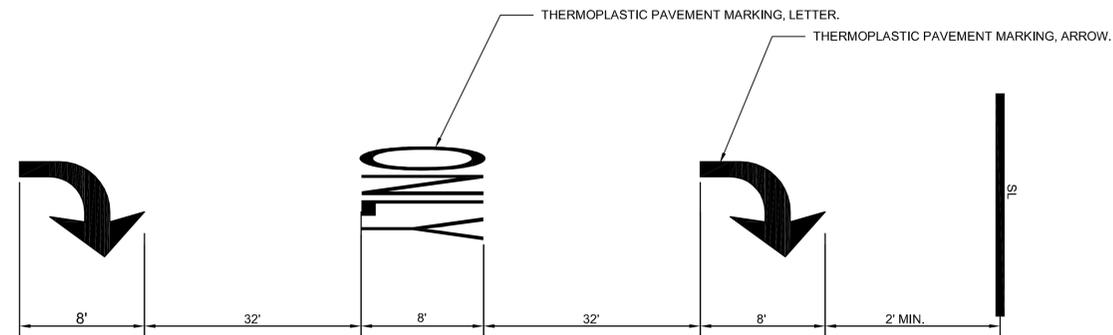
SHEET NAME  
 GENERAL NOTES

DRAWING NUMBER

**C1.0**

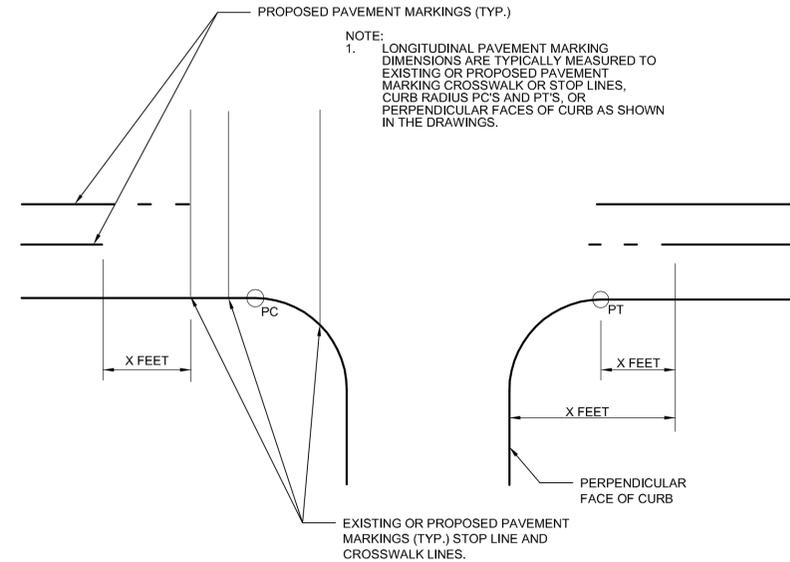
SHEET NUMBER

**02** OF **24**



PAVEMENT MARKING ARROW AND ONLY SYMBOL PLACEMENT, UNLESS OTHERWISE NOTED ON THE PLANS

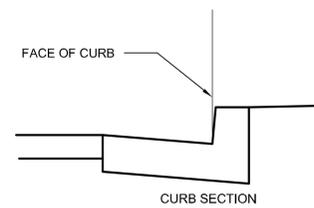
N.T.S.



TYPICAL LONGITUDINAL STRIPING DIMENSIONS

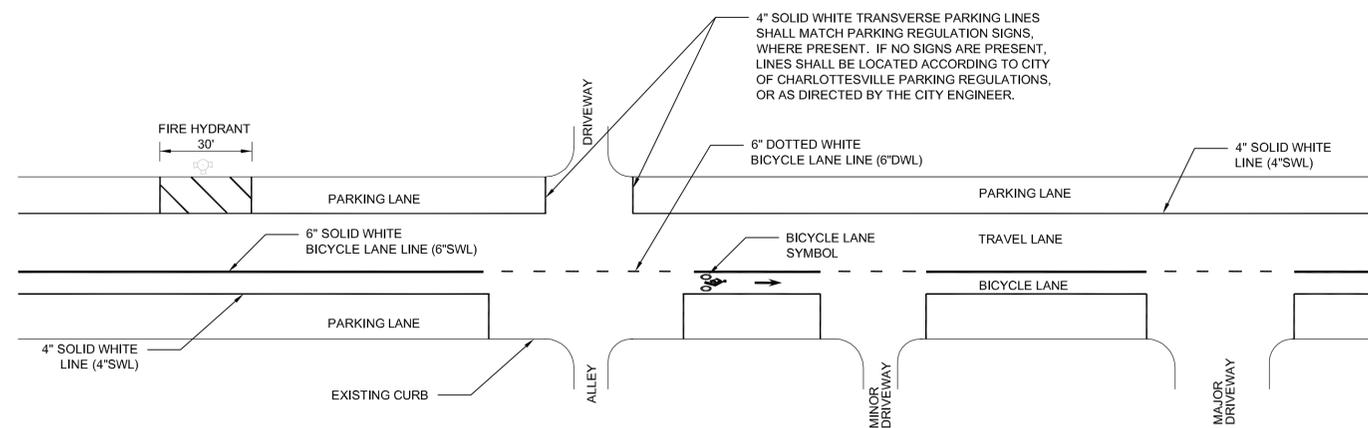
N.T.S.

NOTE:  
1. LATERAL PAVEMENT MARKING DIMENSIONS ARE TYPICALLY MEASURED TO AN ADJACENT FACE OF CURB OR TO THE CENTERLINE OF AN ADJACENT PAVEMENT MARKING AS SHOWN IN THE DRAWINGS.



TYPICAL LATERAL STRIPING DIMENSIONS

N.T.S.



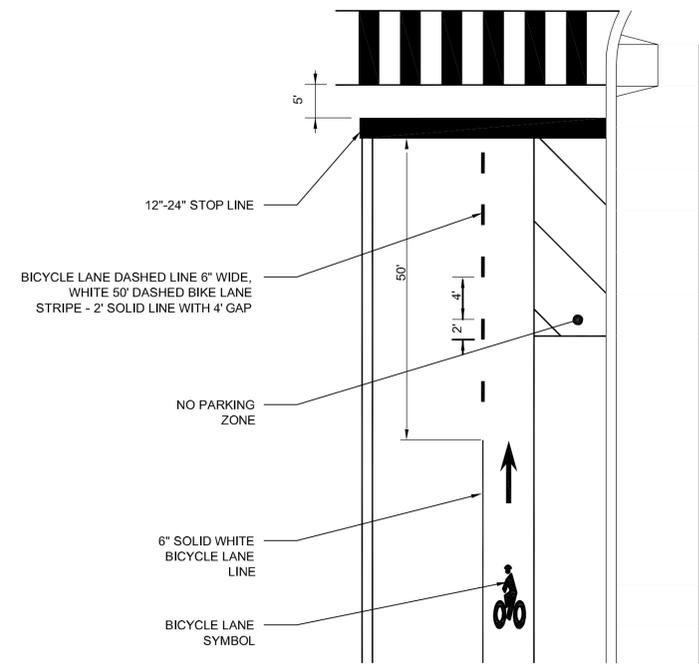
TYPICAL LANE STRIPING - BICYCLE LANE

N.T.S.

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA

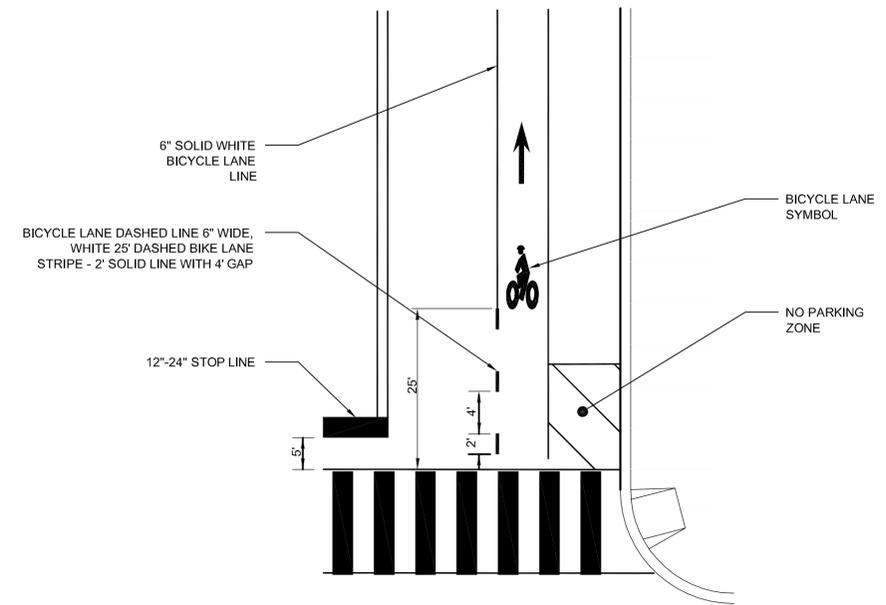
PREPARED: MNM  
 CHECKED: MAB  
 DATE: 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -  
 SHEET NAME: TYPICAL DETAILS

DRAWING NUMBER: **C3.1**  
 SHEET NUMBER: **04** OF **24**



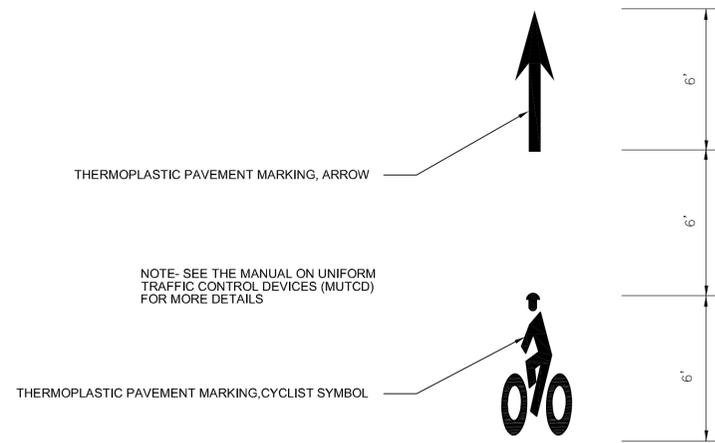
TYPICAL BICYCLE LANE STRIPING NEAR SIDE OF INTERSECTION

N.T.S.



TYPICAL BICYCLE LANE STRIPING FAR SIDE OF INTERSECTION

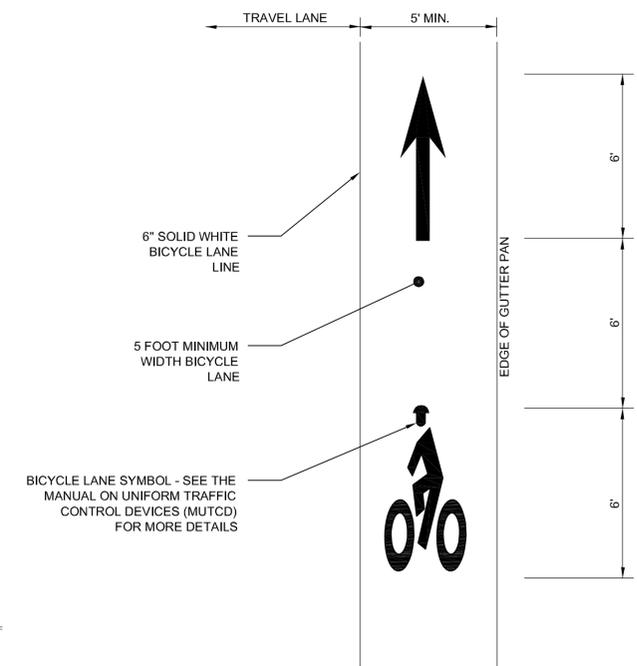
N.T.S.



BICYCLE LANE SYMBOL

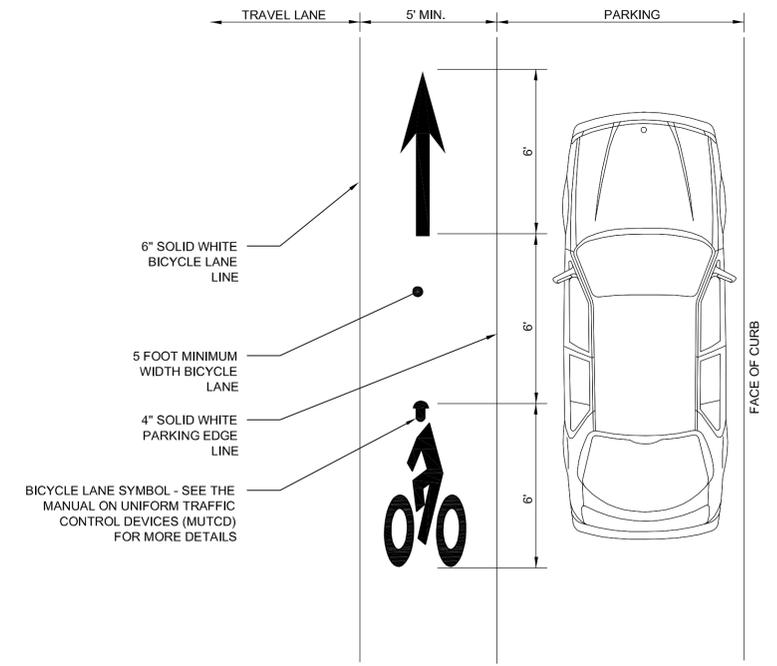
N.T.S.

- BICYCLE LANE SYMBOL PLACEMENT NOTES:  
 1. DO NOT PLACE SYMBOLS ON LANE LINES.  
 2. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE LANE.  
 3. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.



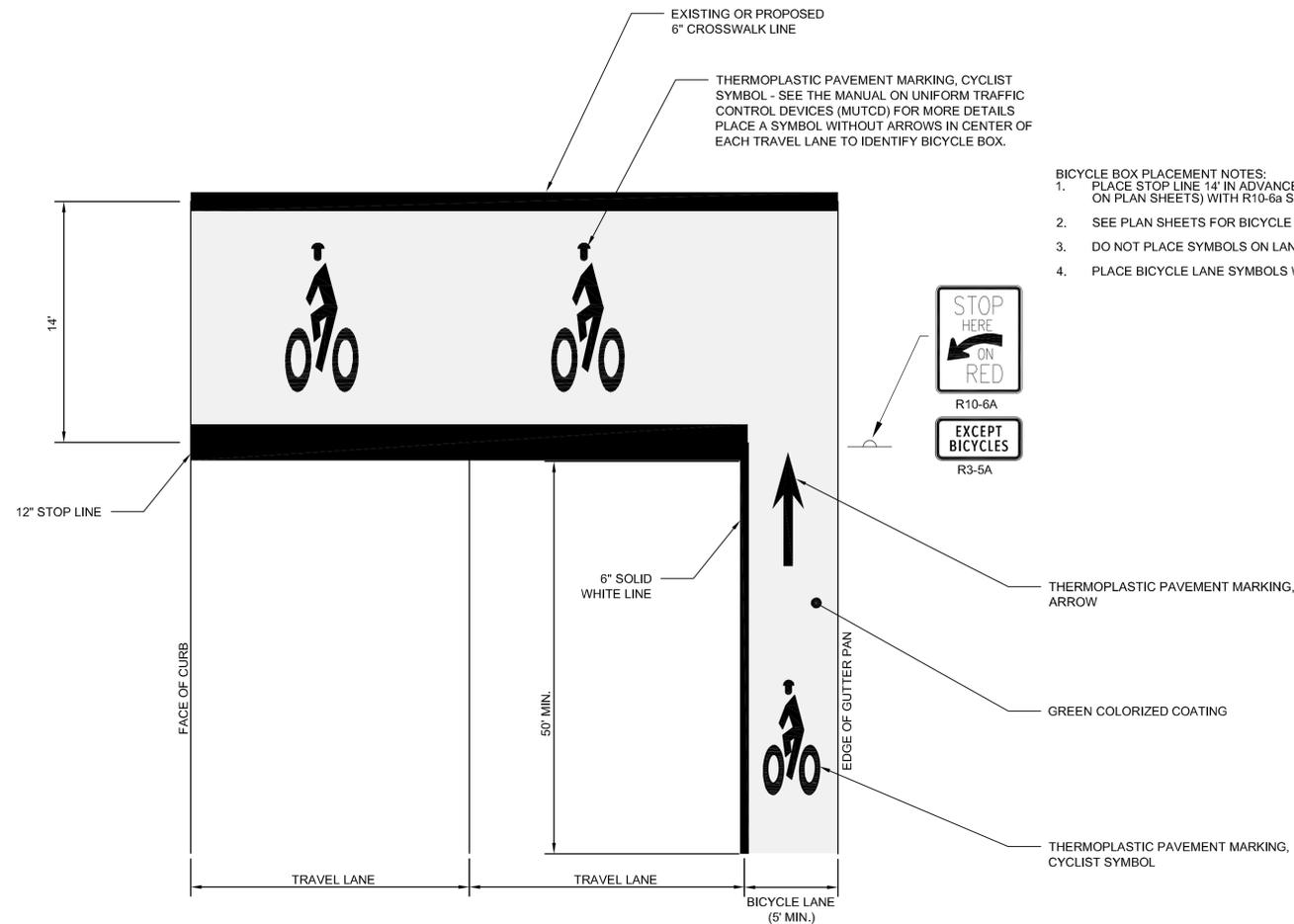
BICYCLE LANE STRIPING ADJACENT TO CURB WITHOUT PARKING

N.T.S.



BICYCLE LANE STRIPING ADJACENT TO PARKING

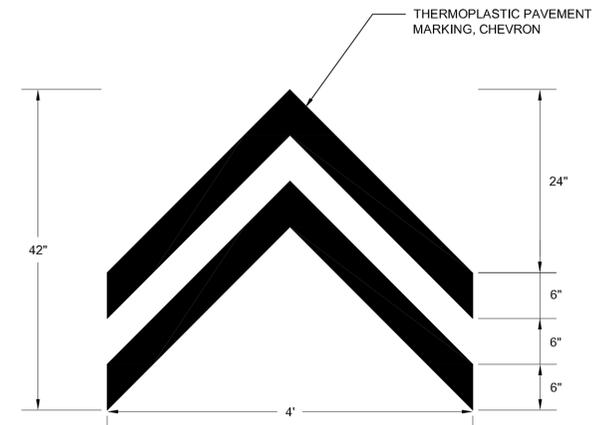
N.T.S.



TYPICAL BICYCLE BOX PLACEMENT

N.T.S.

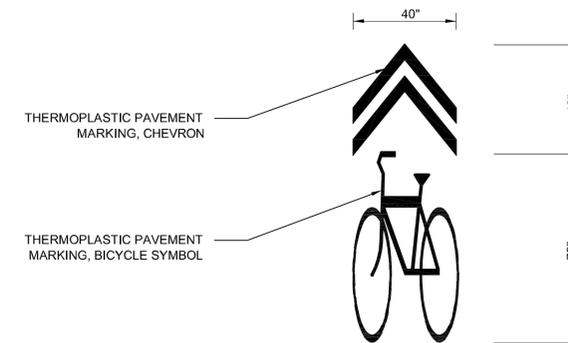
- BICYCLE BOX PLACEMENT NOTES:
1. PLACE STOP LINE 14" IN ADVANCE OF CROSSWALK (UNLESS NOTED OTHERWISE ON PLAN SHEETS) WITH R10-6a SIGN. BREAK STOP LINE AT BICYCLE LANE.
  2. SEE PLAN SHEETS FOR BICYCLE BOX LOCATIONS AND SYMBOL LOCATIONS.
  3. DO NOT PLACE SYMBOLS ON LANE LINES, CROSSWALK LINES, OR STOP LINES.
  4. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE BOX.



CHEVRON

N.T.S.

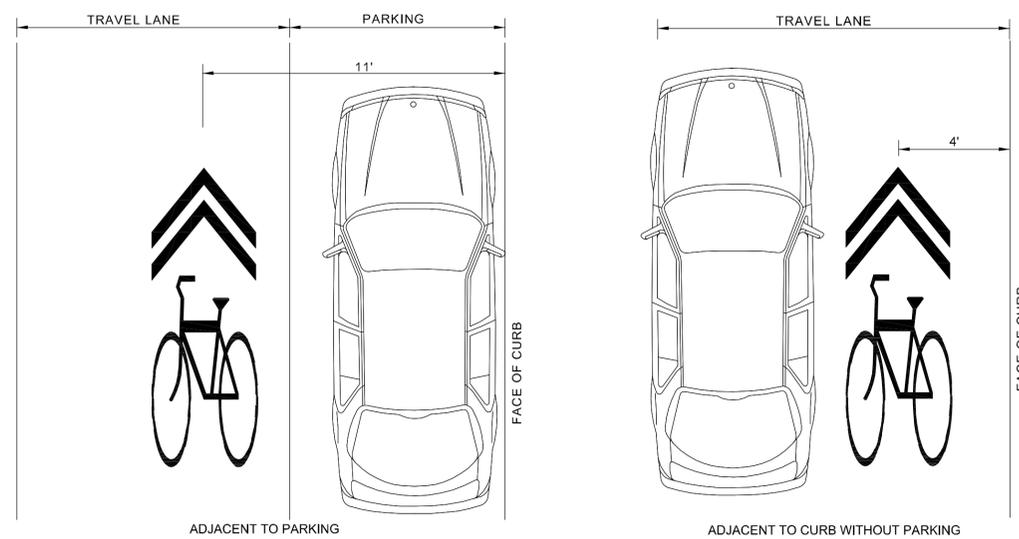
NOTE:  
SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR MORE DETAILS



SHARED LANE MARKING SYMBOL

N.T.S.

- SHARED LANE MARKING SYMBOL PLACEMENT NOTES:
1. IN LOCATIONS WITH ON-STREET PARKING, SHARED LANE MARKING SYMBOLS SHALL BE PLACED SO THAT THEIR CENTERS ARE A MINIMUM OF 11 FEET FROM THE ADJACENT FACE OF CURB, UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.
  2. IN LOCATIONS WITHOUT PARKING, SHARED LANE MARKING SYMBOLS SHALL BE PLACED SO THAT THEIR CENTERS ARE 4 FEET FROM THE ADJACENT FACE OF CURB, UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.
  3. IF LOCATED IN A TURN LANE, SHARED LANE MARKING SYMBOLS SHALL BE CENTERED IN THE LANE UNLESS OTHERWISE NOTED ON THE PLAN SHEETS.
  4. DO NOT PLACE SYMBOLS ON LANE LINES.
  5. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.



SHARED LANE MARKING SYMBOL PLACEMENT

N.T.S.

PREPARED: MNM  
 CHECKED: MAB

DATE  
 08/02/2016

REV. 1 -  
 REV. 2 -  
 REV. 3 -

SHEET NAME  
 TYPICAL DETAILS

DRAWING NUMBER  
**C3.2**

SHEET NUMBER  
**05** OF **24**

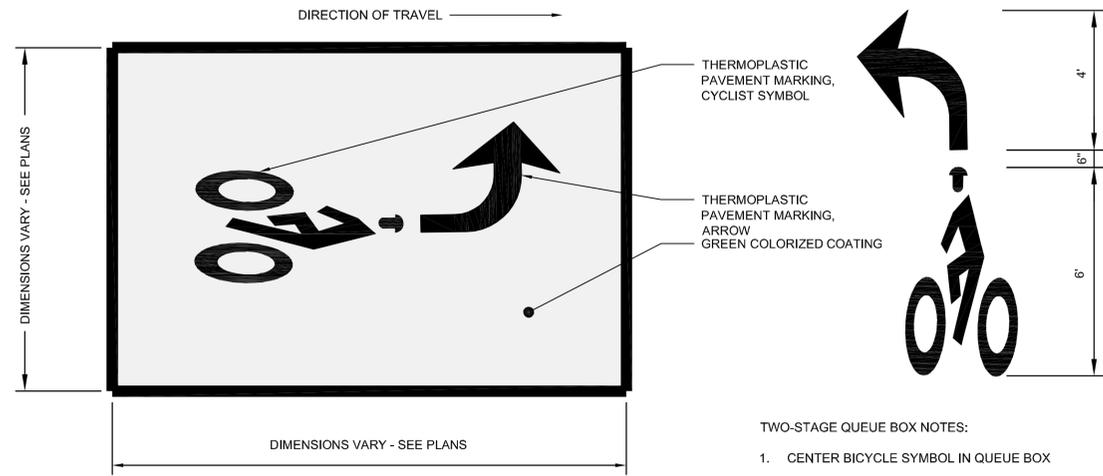
**MONTICELLO AVENUE  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA**

**BUS STOP STRIPING NOTES:**

1. MATCH EDGE OF PARKING LANE LINES TO BUS STOP LIMIT SIGNS (I.E. SIGN WITH ARROW IN ONE DIRECTION). IF A BUS STOP LIMIT SIGN DOES NOT EXIST, USE DIMENSIONS AS SHOWN.
2. FOR MIDBLOCK BUS STOPS, INSTALL DOTTED BICYCLE LANE LINE A MINIMUM OF 150' CENTERED ON BUS STOP LIMITS IF SIGNS ARE LESS THAN 150'.
3. FOR NEARSIDE BUS STOPS, INSTALL DOTTED BICYCLE LANE LINE A MINIMUM OF 100' PRIOR TO THE STOP LINE.
4. FOR FARSIDE BUS STOPS, INSTALL DOTTED BICYCLE LANE LINE A MINIMUM OF 80' FROM THE EDGE OF THE INTERSECTION.

**GENERAL PARKING LANE LINE NOTES:**

1. MATCH EDGE OF PARKING LANE LINES TO LIMITS OF EXISTING SIGNS (I.E. NO PARKING SIGN WITH ARROW IN ONE DIRECTION).
2. IF A PARKING LIMIT SIGN DOES NOT EXIST, USE THE MINIMUM DIMENSIONS AS SHOWN.

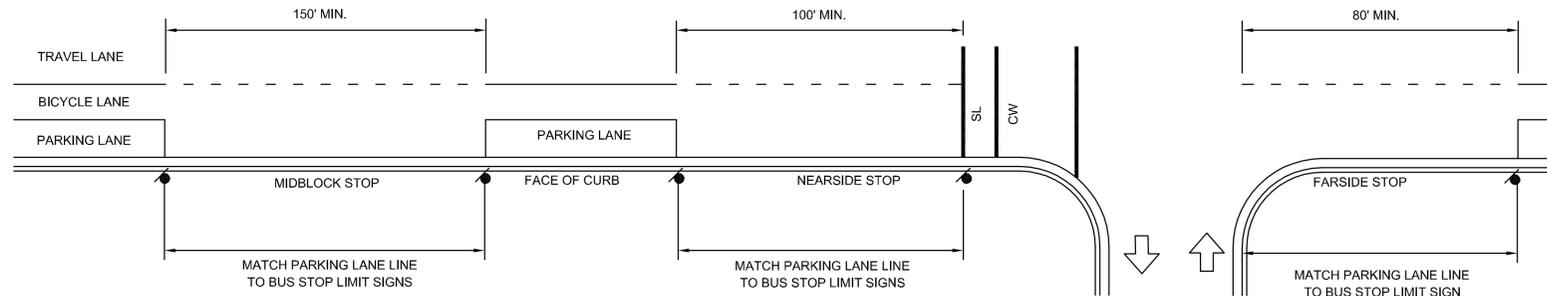


**TWO-STAGE QUEUE BOX NOTES:**

1. CENTER BICYCLE SYMBOL IN QUEUE BOX
2. SEE PLAN FOR LOCATION

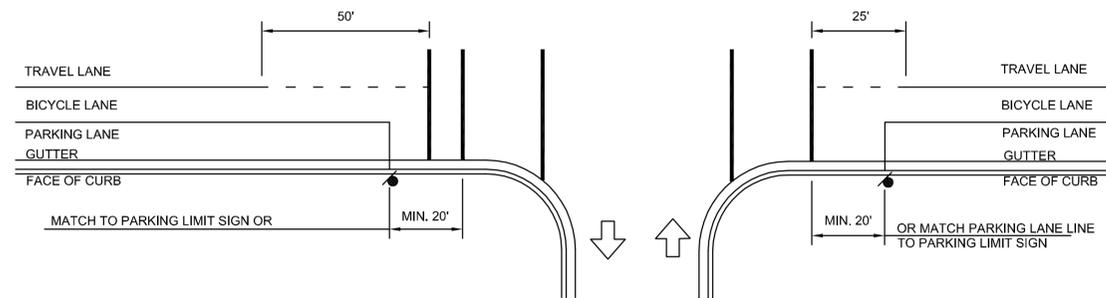
**TWO STAGE QUEUE BOX**

N.T.S.



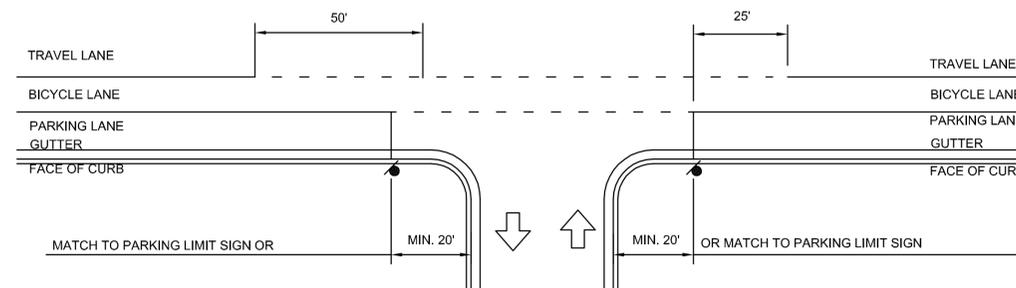
**TYPICAL STRIPING WITH BUS STOP**

N.T.S.



**TYPICAL INTERSECTION STRIPING WITH CROSSWALKS OR STOPLINES**

N.T.S.



**TYPICAL INTERSECTION STRIPING WITHOUT CROSSWALKS OR STOPLINES**

N.T.S.

PREPARED: MNM

CHECKED: MAB

DATE

08/02/2016

REV. 1 -

REV. 2 -

REV. 3 -

SHEET NAME

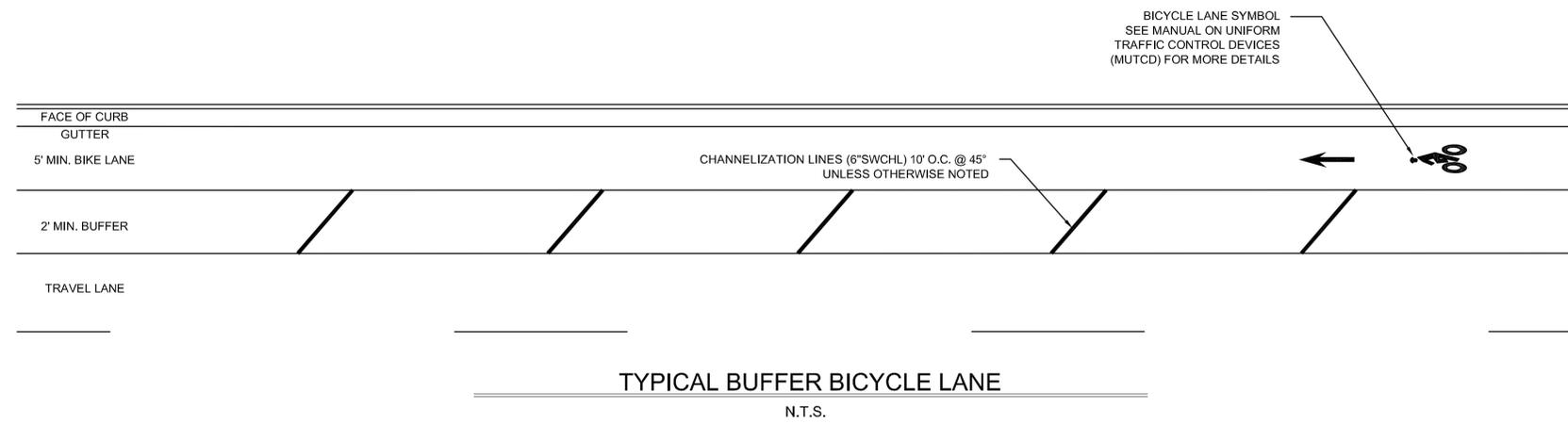
TYPICAL DETAILS

DRAWING NUMBER

**C3.3**

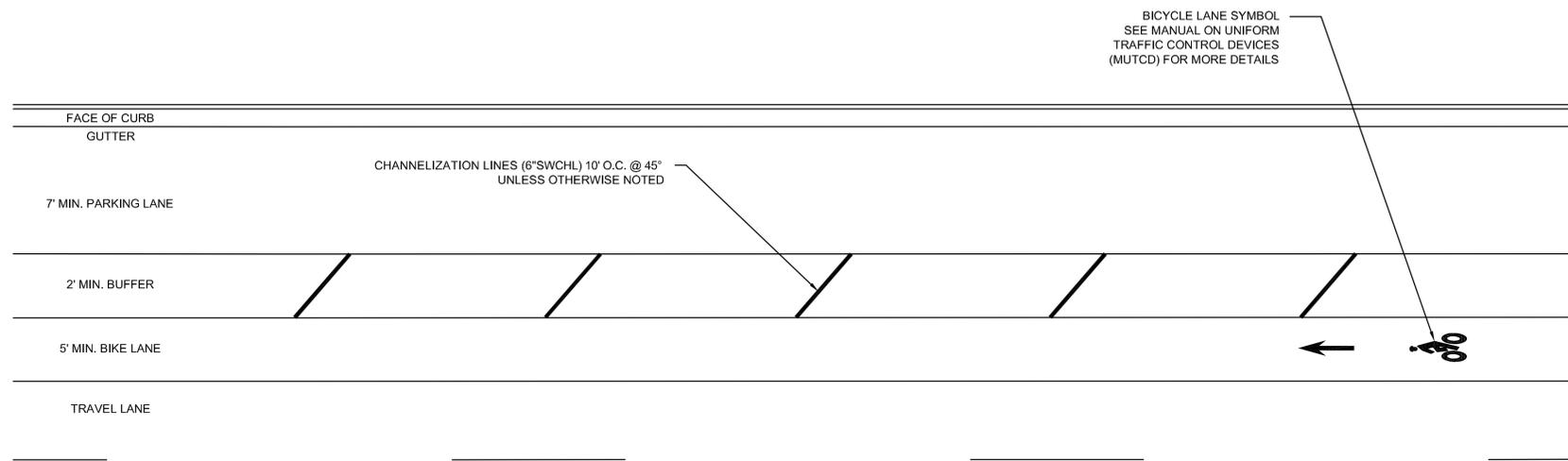
SHEET NUMBER

**06** OF **24**



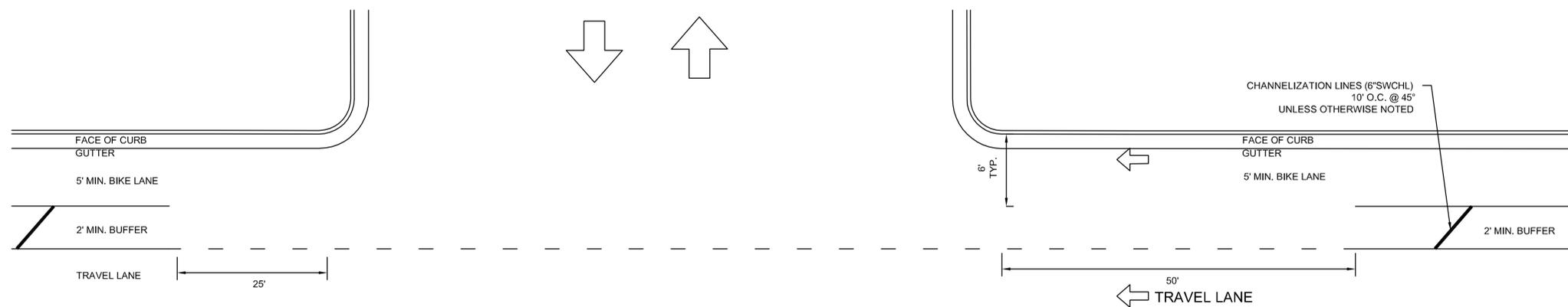
TYPICAL BUFFER BICYCLE LANE

N.T.S.



TYPICAL BUFFERED BICYCLE LANE WITH PARKING

N.T.S.



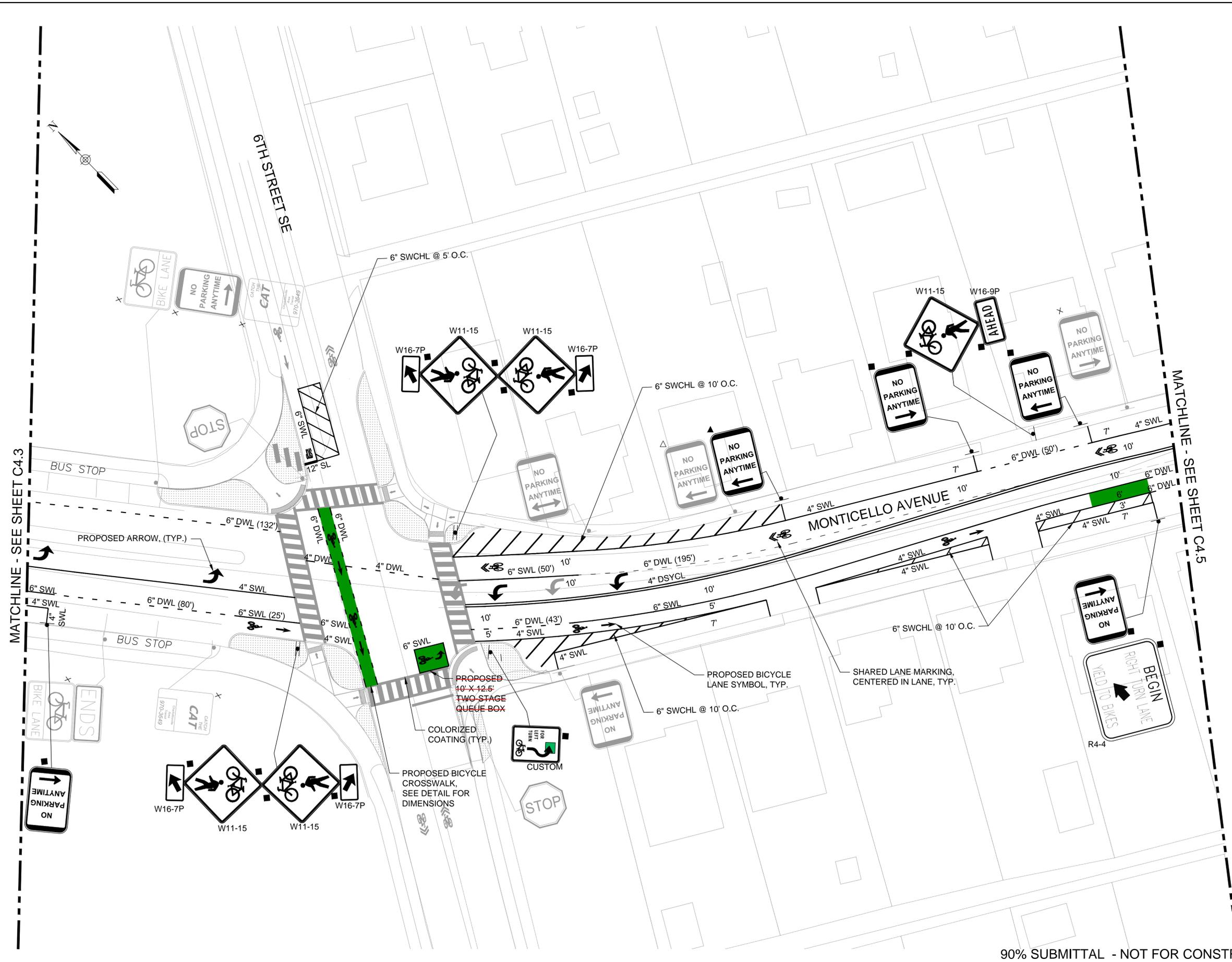
TYPICAL BUFFERED BICYCLE LANE INTERSECTION CROSSING

N.T.S.

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE: 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -  
 SHEET NAME: SIGNING & MARKING  
 DRAWING NUMBER: C4.4  
 SHEET NUMBER: 12 OF 24



90% SUBMITTAL - NOT FOR CONSTRUCTION

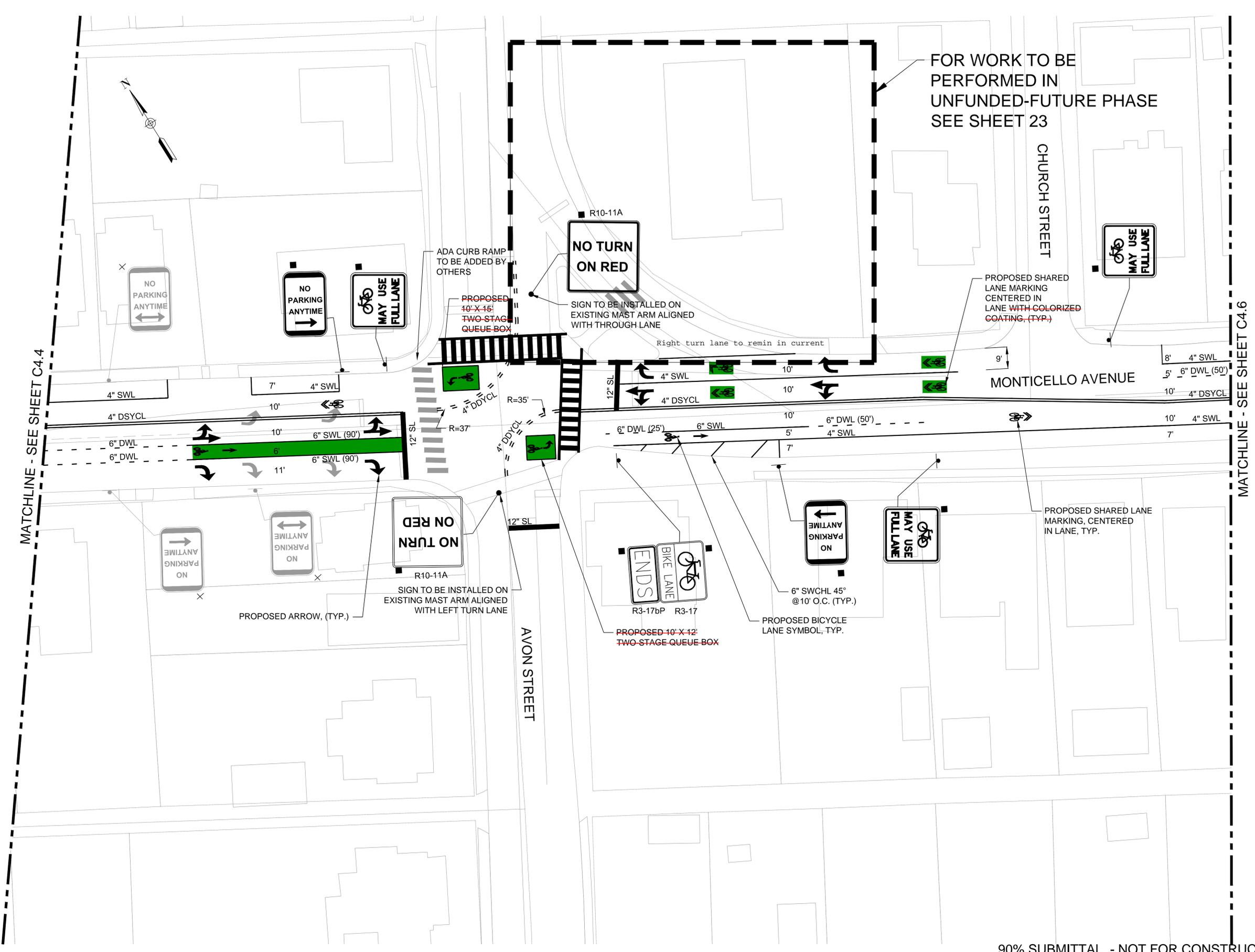
**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE  
 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -

SHEET NAME  
**SIGNING & MARKING**  
 DRAWING NUMBER  
**C4.5**

SHEET NUMBER  
**13 OF 24**



FOR WORK TO BE PERFORMED IN UNFUNDED-FUTURE PHASE SEE SHEET 23

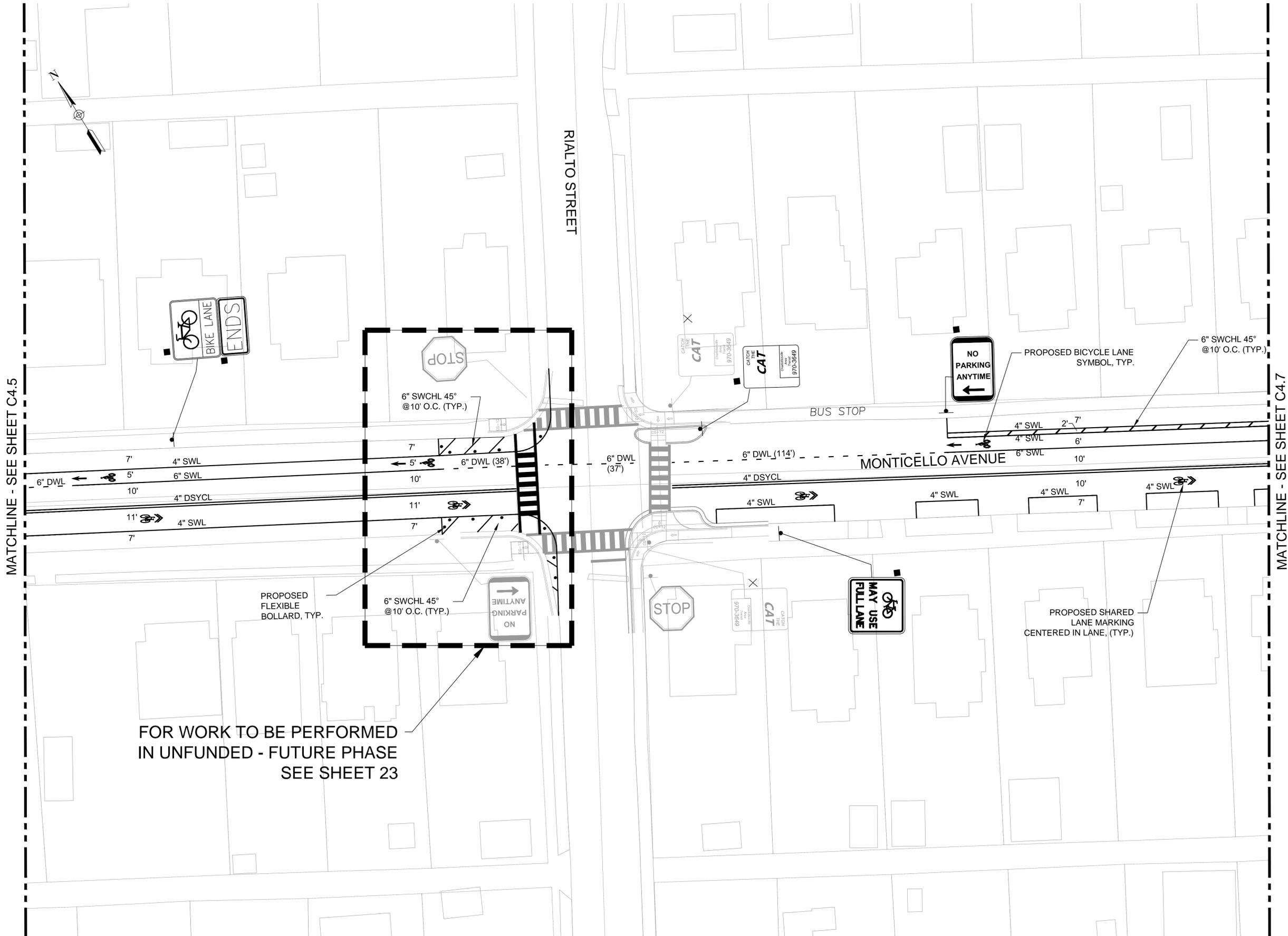
CHURCH STREET

MONTICELLO AVENUE

AVON STREET

MATCHLINE - SEE SHEET C4.4

MATCHLINE - SEE SHEET C4.6



MATCHLINE - SEE SHEET C4.5

MATCHLINE - SEE SHEET C4.7

FOR WORK TO BE PERFORMED  
IN UNFUNDED - FUTURE PHASE  
SEE SHEET 23

90% SUBMITTAL - NOT FOR CONSTRUCTION

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE  
 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -

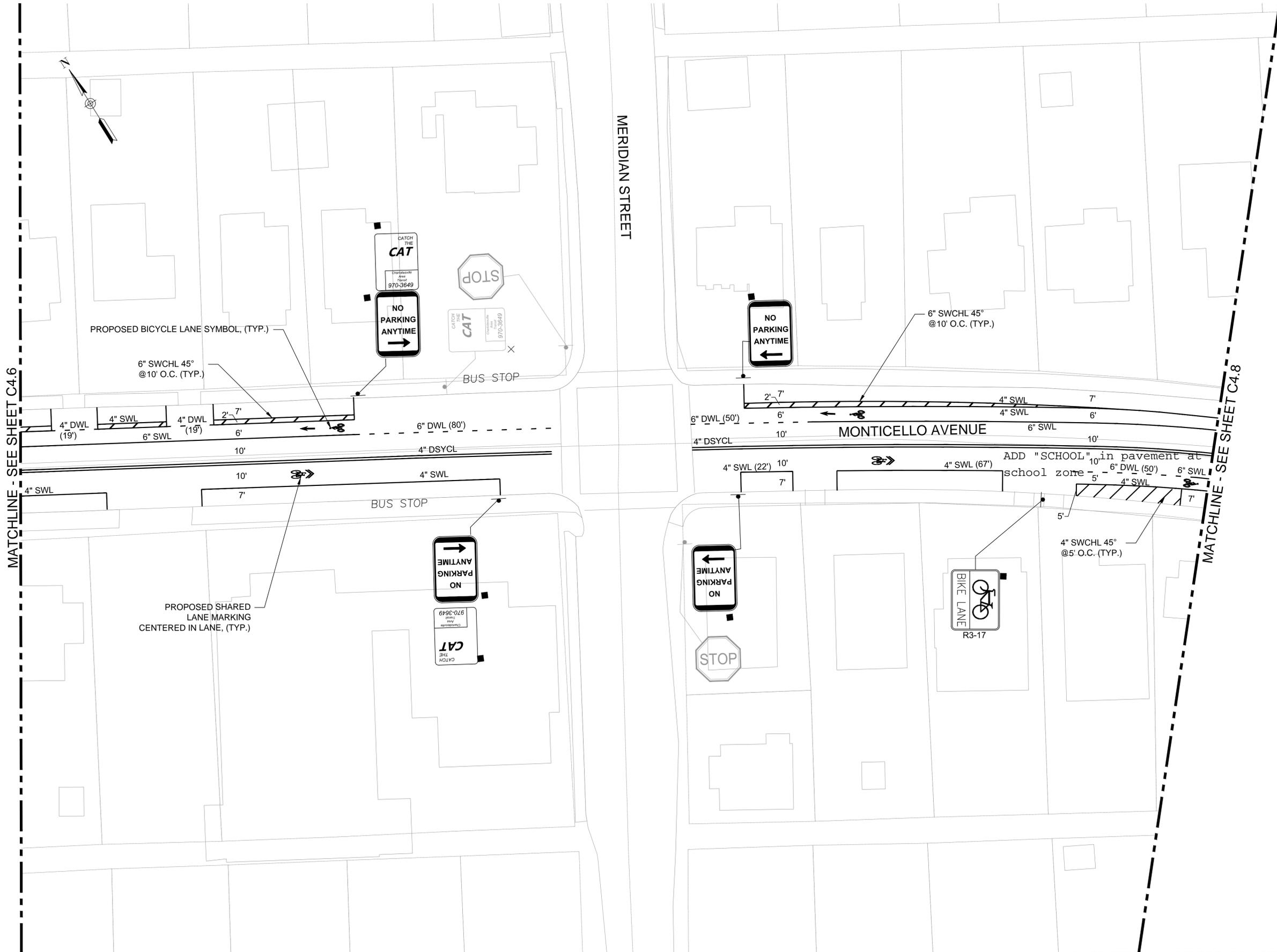
SHEET NAME  
**SIGNING & MARKING**

DRAWING NUMBER

**C4.6**

SHEET NUMBER

**14 OF 24**



MATCHLINE - SEE SHEET C4.6

MATCHLINE - SEE SHEET C4.8

MERIDIAN STREET

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE  
 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -

SHEET NAME  
**SIGNING & MARKING**  
 DRAWING NUMBER  
**C4.7**

SHEET NUMBER  
**15** OF **24**

90% SUBMITTAL - NOT FOR CONSTRUCTION



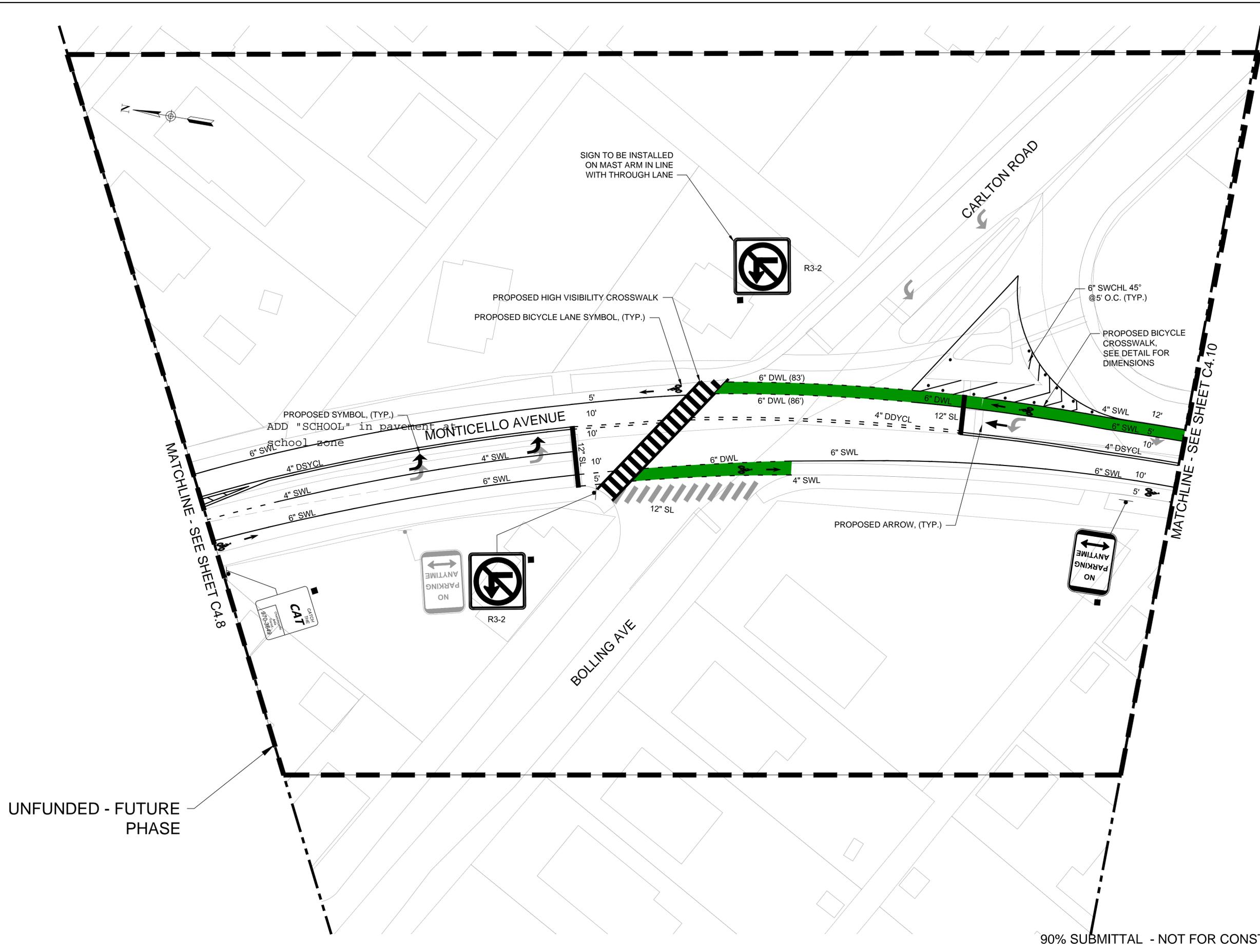
**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE  
 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -

SHEET NAME  
**SIGNING & MARKING**  
 DRAWING NUMBER  
**C4.9**

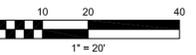
SHEET NUMBER  
**17** OF **24**



UNFUNDED - FUTURE PHASE

90% SUBMITTAL - NOT FOR CONSTRUCTION

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: SB  
 CHECKED: PB

DATE  
 11/19/14

REV. 1 -  
 REV. 2 -  
 REV. 3 -

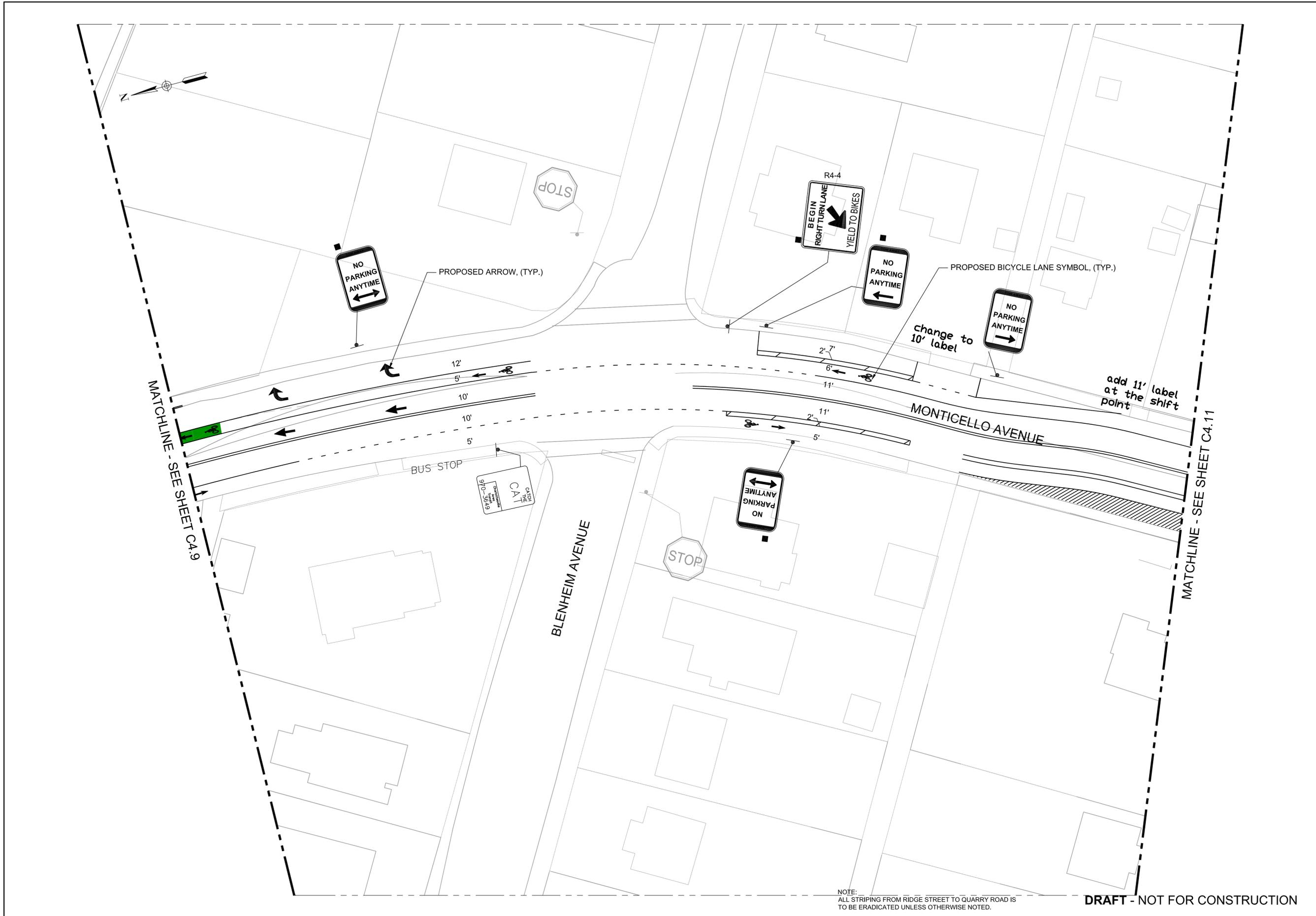
SHEET NAME  
 SIGNING & MARKING  
 PLANS

DRAWING NUMBER

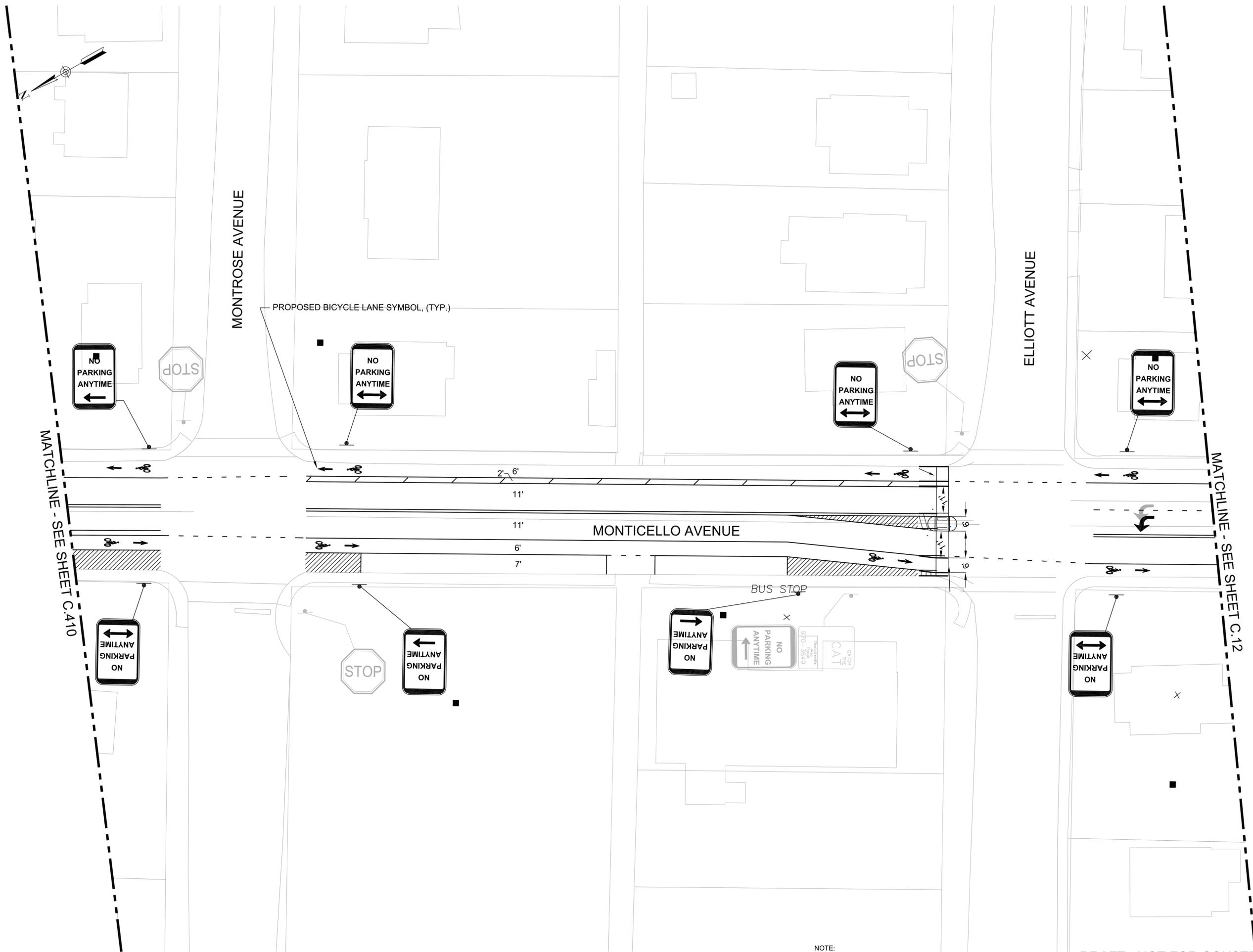
**C4.10**

SHEET NUMBER

**18** OF **22**



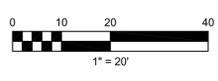
**DRAFT - NOT FOR CONSTRUCTION**



NOTE:  
ALL STRIPING FROM RIDGE STREET TO QUARRY ROAD IS  
TO BE ERADICATED UNLESS OTHERWISE NOTED.

**DRAFT - NOT FOR CONSTRUCTION**

**MONTICELLO AVENUE**  
RIDGE STREET TO CITY LIMITS  
CHARLOTTESVILLE, VA

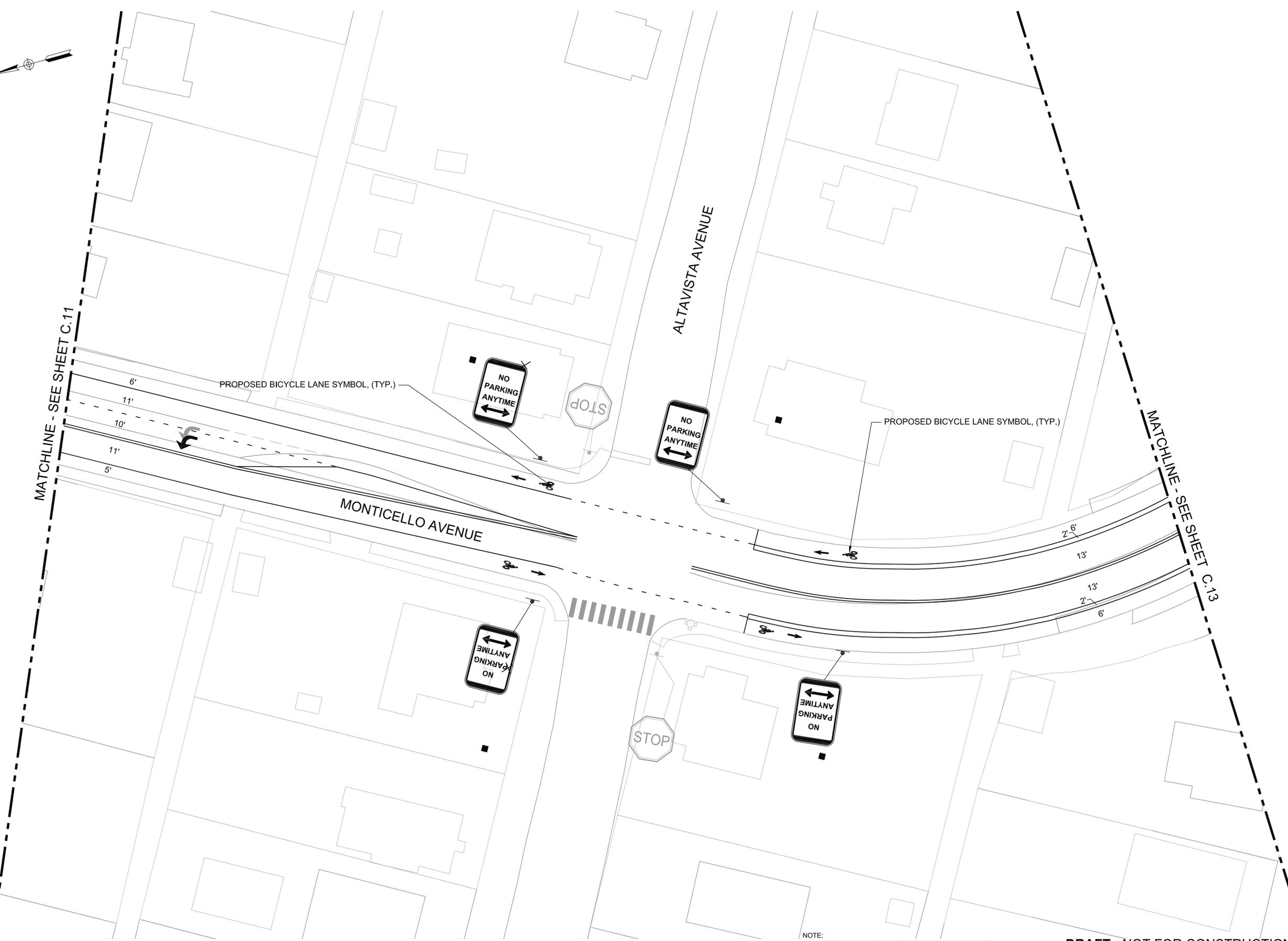


PREPARED:	SB
CHECKED:	PB
DATE:	11/19/14
REV 1:	-
REV 2:	-
REV 3:	-
SHEET NAME:	SIGNING & MARKING PLANS
DRAWING NUMBER:	<b>C4.11</b>
SHEET NUMBER:	<b>19</b> OF <b>22</b>



MATCHLINE - SEE SHEET C.11

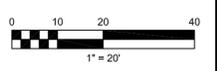
MATCHLINE - SEE SHEET C.13



NOTE:  
 ALL STRIPING FROM RIDGE STREET TO QUARRY ROAD IS  
 TO BE ERADICATED UNLESS OTHERWISE NOTED.

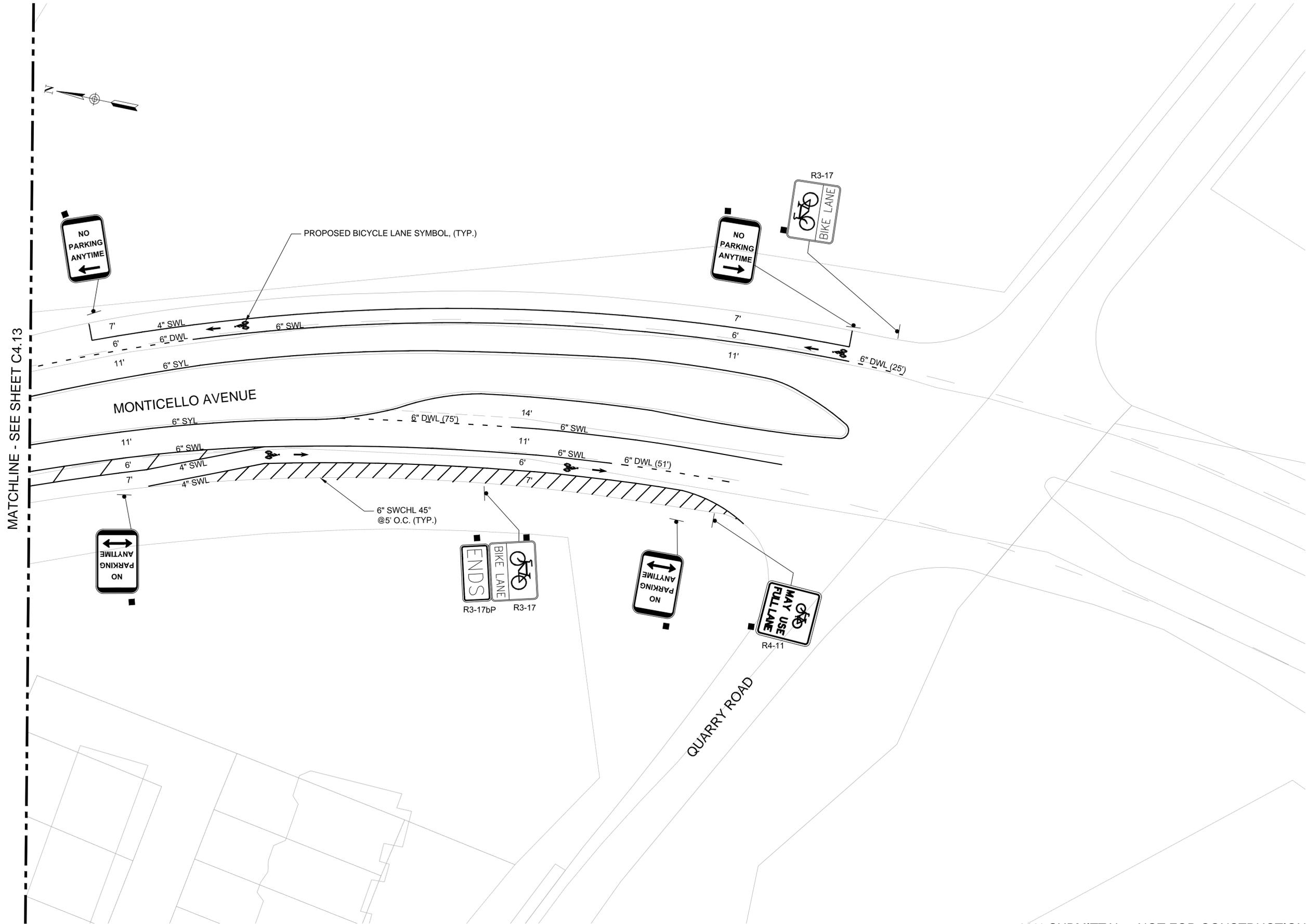
**DRAFT - NOT FOR CONSTRUCTION**

**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: SB  
 CHECKED: PB  
 DATE  
 11/19/14  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -  
 SHEET NAME  
 SIGNING & MARKING  
 PLANS  
 DRAWING NUMBER  
**C4.12**  
 SHEET NUMBER  
**20** OF **22**





**MONTICELLO AVENUE**  
 RIDGE STREET TO CITY LIMITS  
 CHARLOTTESVILLE, VA



PREPARED: MNM  
 CHECKED: MAB  
 DATE  
 08/02/2016  
 REV. 1 -  
 REV. 2 -  
 REV. 3 -

SHEET NAME  
**SIGNING & MARKING**  
 DRAWING NUMBER  
**C4.14**

SHEET NUMBER  
**22** OF **24**