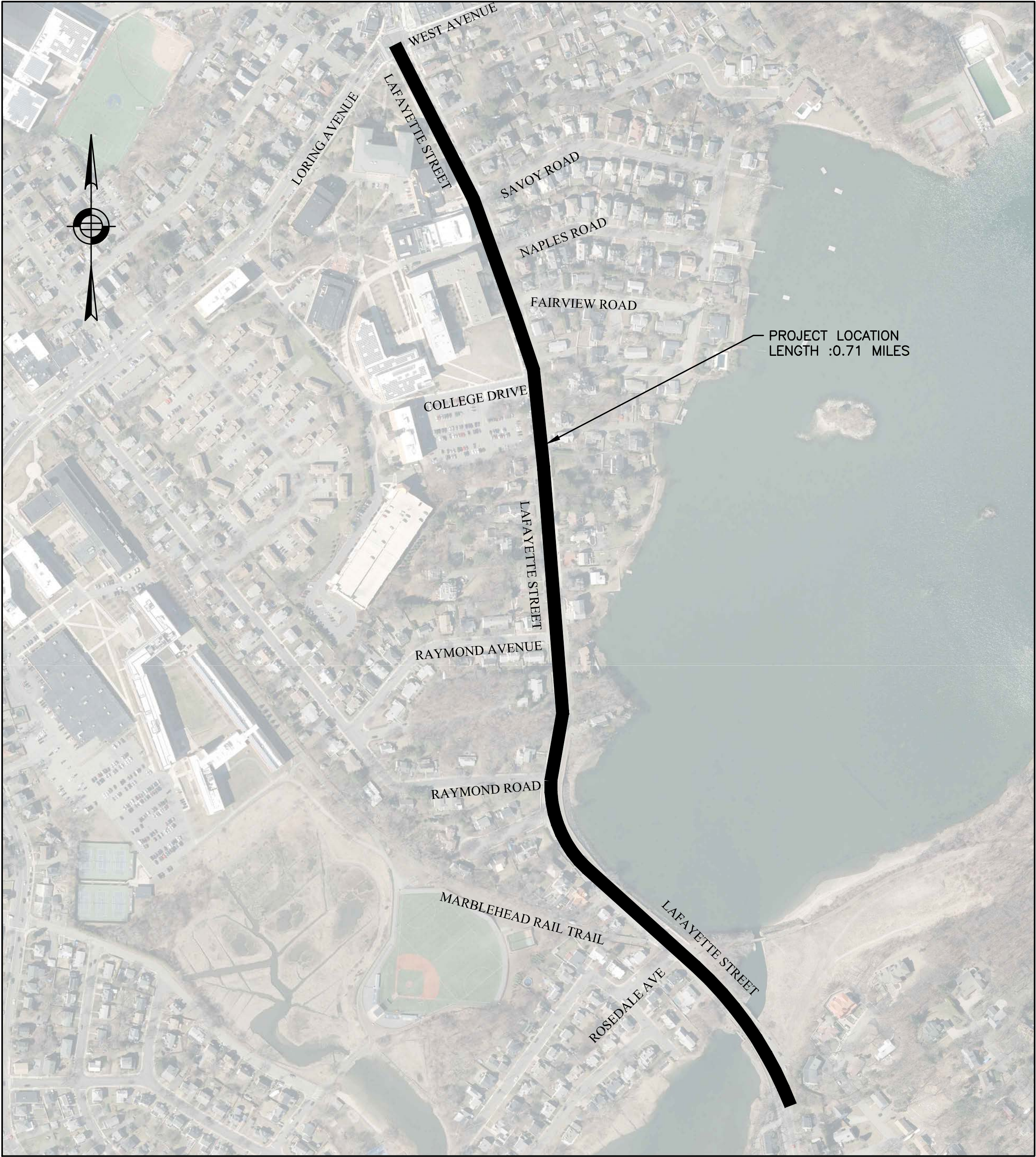


# CITY OF SALEM

## PEDESTRIAN AND BICYCLE IMPROVEMENTS

### LAFAYETTE STREET FROM WEST AVENUE TO MARBLEHEAD TOWN LINE




LOCUS PLAN  
1"=250'

ALL WORK SHALL CONFORM TO THESE PLANS, THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2020, THE MASSDOT SUPPLEMENTAL SPECIFICATIONS DATED SEPTEMBER 30, 2020, THE MASSDOT INTERIM SUPPLEMENTAL SPECIFICATIONS DATE OCTOBER 17, 2014, THE MASSDOT 2017 CONSTRUCTION STANDARD DETAILS, THE MASSDOT 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009 EDITION, AND ALL INTERIM REVISIONS PUBLISHED BY FEDERAL HIGHWAY ADMINISTRATION.

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D-01	3	CONSTRUCTION DETAILS
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	ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.							CITY OF SALEM		LAFAYETTE STREET PROTECTED BIKE LANES	DATE 9/23/2022
	DSGN	OC									DRAWING NO. G-01
	DR	OC									
	CHK	PB								SHEET NO. 1 OF 18	
	APVD		NO.	DATE	REVISION	BY	APVD				

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GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS. STRIPING WORK SHALL ALSO MEET ALL APPLICABLE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. BASE MAPPING WAS ESTABLISHED UTILIZING GIS DATA PROVIDED BY THE CITY OF SALEM.
3. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED FEATURES TO THE ENGINEER.
4. ALL PAVEMENT MARKINGS SHALL MEET MUTCD STANDARD SPECIFICATIONS.
5. IF PROPOSED PAVEMENT MARKINGS ARE SHOWN IN THE AREA OF EXISTING PAVEMENT MARKINGS, ERADICATE ANY CONFLICTING MARKINGS USING AN APPROVED NON-DESTRUCTIVE METHOD SUCH THAT NO TRACES OF EXISTING MARKINGS ARE VISIBLE. THE CONTRACTOR SHALL NOT INSTALL NEW PAVEMENT MARKINGS WITHOUT ERADICATING EXISTING PAVEMENT MARKINGS FIRST AND AS APPROVED BY THE TOWN OF ACTON.
6. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS, AND FEATURES ADJACENT TO THE LIMITS OF WORK. AS DIRECTED BY THE ENGINEER, AND AT THE CONTRACTOR’S OWN EXPENSE, THE CONTRACTOR SHALL REPAIR, REPLACE, OR OTHERWISE MAKE GOOD ANY DAMAGE CAUSED BY THE CONTRACTOR’S OPERATIONS.
7. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH ARE A RESULT OF THE CONTRACTOR’S ACTIVITIES OR METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGED UTILITIES AND RESTORE SERVICE IN A TIMELY MANNER, PRIOR TO PROCEEDING WITH CONSTRUCTION, AT THE CONTRACTOR’S EXPENSE.
8. WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
9. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR’S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.
10. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, REMOVING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND STACK" (R&S), OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
11. THE TERM "MEET EX" MEANS TO MEET BOTH THE EXISTING HORIZONTAL ALIGNMENT AND ELEVATION.
12. STRIPED PARKING SPACES SHALL MAINTAIN A MINIMUM DISTANCE OF 4’ FROM ALL DRIVEWAYS UNLESS OTHERWISE NOTED. CENTER PARKING SPACES BETWEEN DRIVEWAYS WHERE APPLICABLE.
13. FLEXPOSTS TO BE CENTERED IN BUFFER SPACE UNLESS OTHERWISE NOTED.

LEGEND AND ABBREVIATIONS

EXISTING	PROPOSED	
	--- --	LIMIT OF PAVEMENT MARKINGS
	BE →	BEGIN ERADICATION
	EE →	END ERADICATION
	ES →	ERADICATE SYMBOL
	EX	EXISTING
	MNT	MOUNT
	R&R	REMOVE AND RESET
		EXISTING VERTICAL GRANITE CURB
		SIGN POST
		HYDRANT
		FLEX POST
		TRASH BARREL
		STREET LIGHT
		TRAFFIC SIGNAL
		PUSH BUTTON
		UTILITY POLE
		TREE
		DOUBLE HEAD METER
		SINGLE HEAD METER
		MULTI-SPACE METER
		ELECTRIC BOX
		BOLLARD
		BICYCLE RACK
		WHEELCHAIR RAMP
		FENCE
		WALL
		RAILROAD TRACKS
		BICYCLE LANE SYMBOL
		SHARED LANE MARKING SYMBOL
	SWEL	4" SOLID WHITE EDGE LINE
	SWLL	4" SOLID WHITE LANE LINE
	BWLL	4" BROKEN WHITE LANE LINE (10’ MARK, 20’ SPACE)
	DWLL	4" DOTTED WHITE LANE LINE (2’ LINE, 4’ SPACE)
	SYEL	4" SOLID YELLOW EDGE LINE
	SYCL	4" SOLID YELLOW CENTER LINE
	BYCL	4" BROKEN YELLOW CENTER LINE (10’ MARK, 20’ SPACE)
	DYCL	2-4" DOUBLE YELLOW CENTER LINES
	DDYCL	2-4" DOTTED DOUBLE YELLOW CENTER LINES (2’ LINE, 4’ SPACE)
	SDYCL	4" SINGLE DOTTED YELLOW CENTER LINES (2’ LINE, 4’ SPACE)
	SWCHL	8" SOLID WHITE CHANNELIZATION LINE
	SYCHL	8" SOLID YELLOW CHANNELIZATION LINE
	SL	12" MINIMUM WHITE STOP LINE (UNLESS OTHERWISE NOTED)
	CW	12" MINIMUM WHITE CROSSWALK LINES WITH 12" LONGITUDINAL LINES AT 4’ O.C. (UNLESS OTHERWISE SHOWN)
		8" SWCHL OR SYCHL (10’ O.C. AT 45° UNLESS OTHERWISE NOTED)
		WHITE PAVEMENT ARROW AND LEGEND
		COLORIZED PAVEMENT – MATERIAL AS SPECIFIED ON PLANS
		NEW OR RELOCATED SIGN

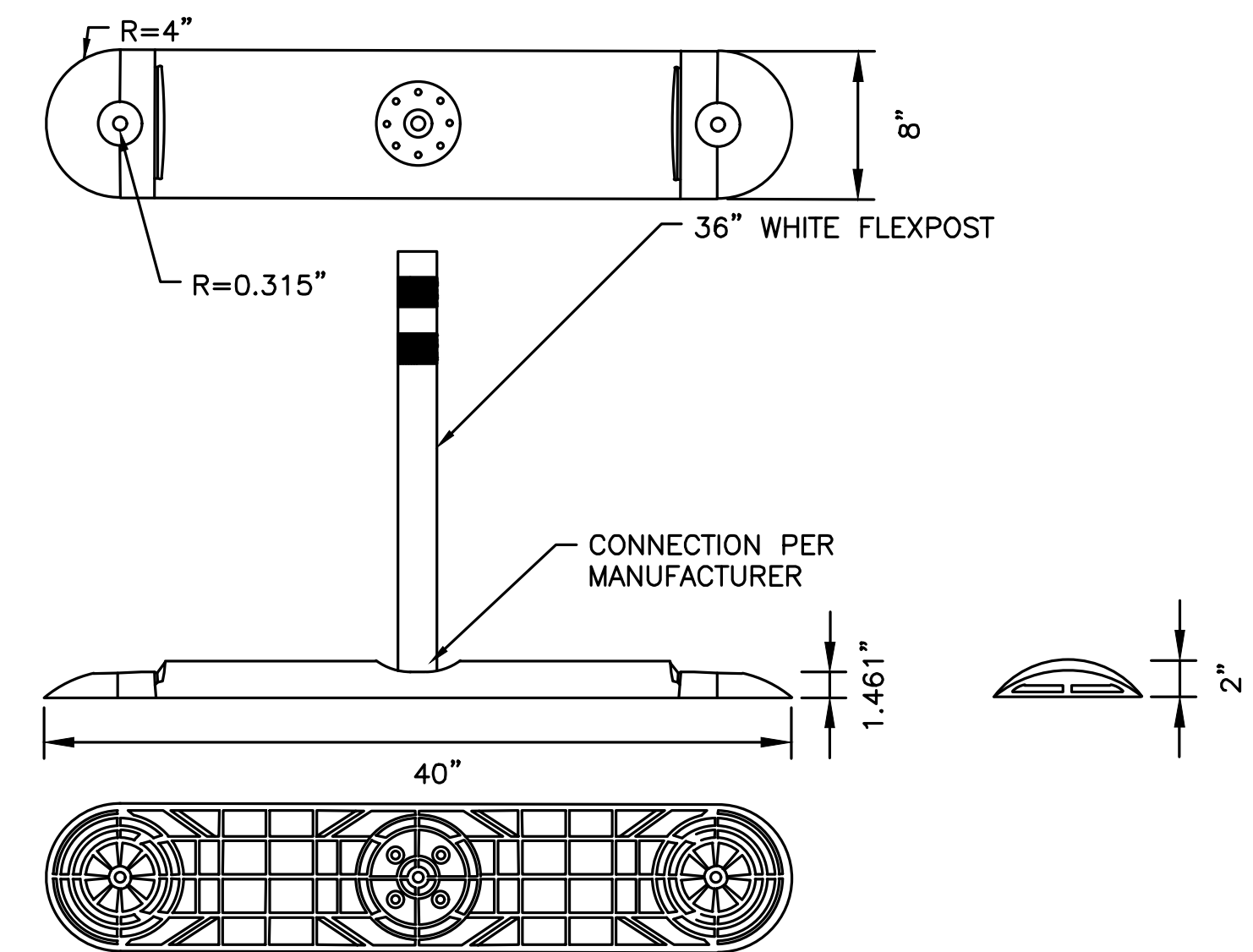
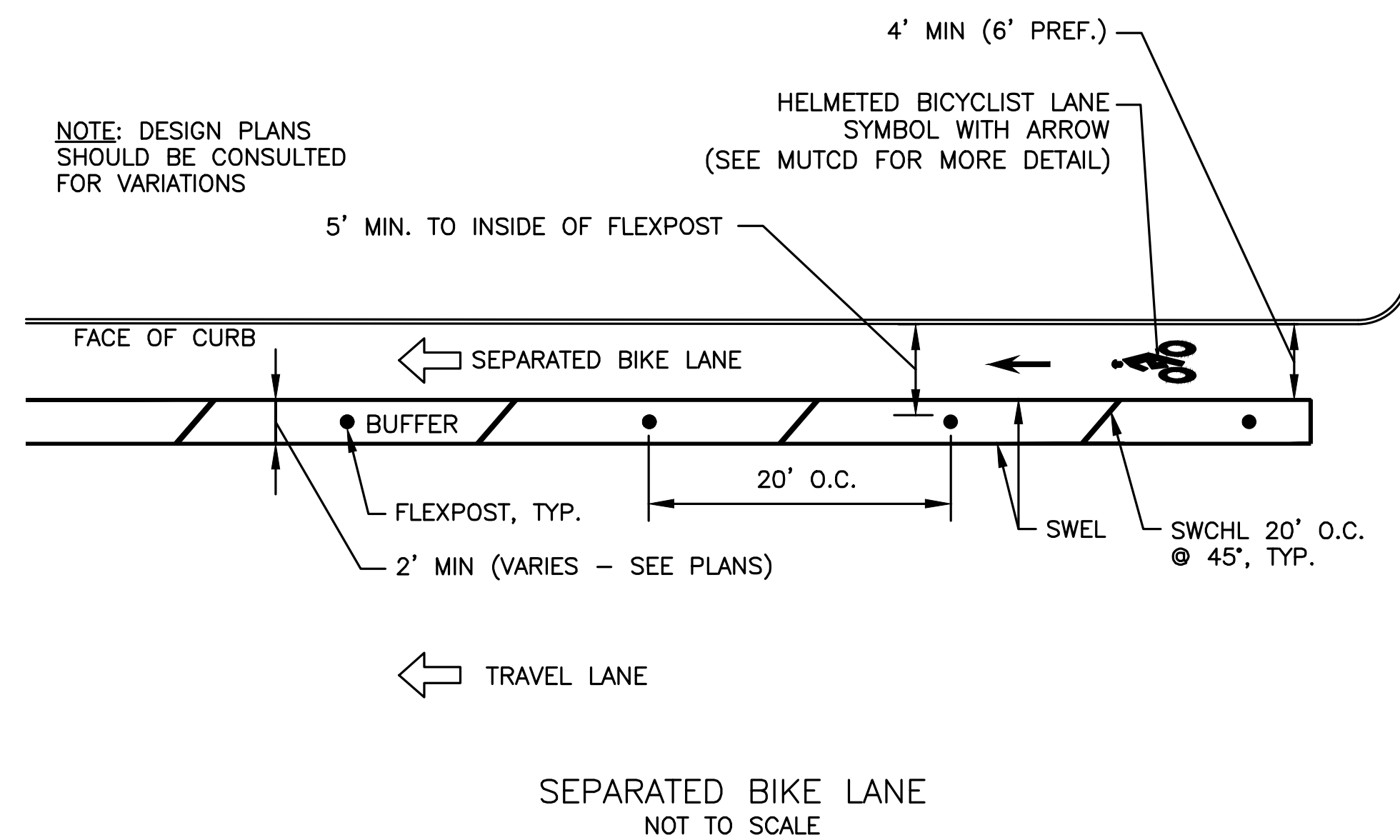
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	ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.						LAFAYETTE STREET PROTECTED BIKE LANES			DATE 9/23/2022		
	DSGN	OC									DRAWING NO. G-02	
	DR	OC									SHEET NO.	
	CHK	PB									2 OF 18	
	APVD		NO.	DATE	REVISION	BY	APVD					



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## MANUFACTURING INFORMATION

1. INJECTION MOLDED
2. UV STABILIZED HDPE
3. COLOR: WHITE

INTENDED USE

1. CRASHWORTHINESS TESTED  
TO 2009 M.A.S.H. STANDARD

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS.
4. IF LOCATED ON BRIDGE BASE MUST BE GLUED TO BRIDGE DECK INSTEAD OF CORED.

TRAFFIC SEPARATOR CURB (MODULAR BASE)  
NOT TO SCALE

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		DSGN	OC								DATE 9/23/2022	
		DRN	OC								DRAWING NO. D-02	
		CHK	PB								SHEET NO. 4 OF 18	
		APVD									NO.	DATE





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								LAFAYETTE STREET PROTECTED BIKE LANES		DATE 9/23/2022
		DSGN	OC							DRAWING NO. E-01
		DR	OC							SHEET NO. 5 OF 18
		CHK	PB							
		APVD		NO.	DATE	REVISION	BY	APVD		

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NOTES:  
1. IN-FIELD OBSERVATIONS ON 8/12/2020 DIFFER FROM EXISTING CONDITIONS DEPICTED ON AERIAL IMAGERY. THE OBSERVED PAVEMENT MARKINGS HAVE BEEN ADDED ON TOP OF THE AERIAL IMAGERY IN THE AREAS INDICATED.


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ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.							LAFAYETTE STREET PROTECTED BIKE LANES				DATE 9/23/2022		
DSGN		OC									DRAWING NO. E-02		
DR		OC											
CHK		PB											
APVD			NO.	DATE	REVISION	BY	APVD	SHEET NO. 6 OF 18					





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ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.						LAFAYETTE STREET PROTECTED BIKE LANES				DATE 9/23/2022		
DSGN		OC									DRAWING NO. E-03	
DR		OC									SHEET NO. 7 OF 18	
CHK		PB										
APVD		NO.	DATE	REVISION	BY	APVD						









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	DSGN	OC							DATE 9/23/2022				
	DR	OC							DRAWING NO. E-05				
	CHK	PB							SHEET NO. 9 OF 18				
	APVD		NO.	DATE	REVISION	BY	APVD						





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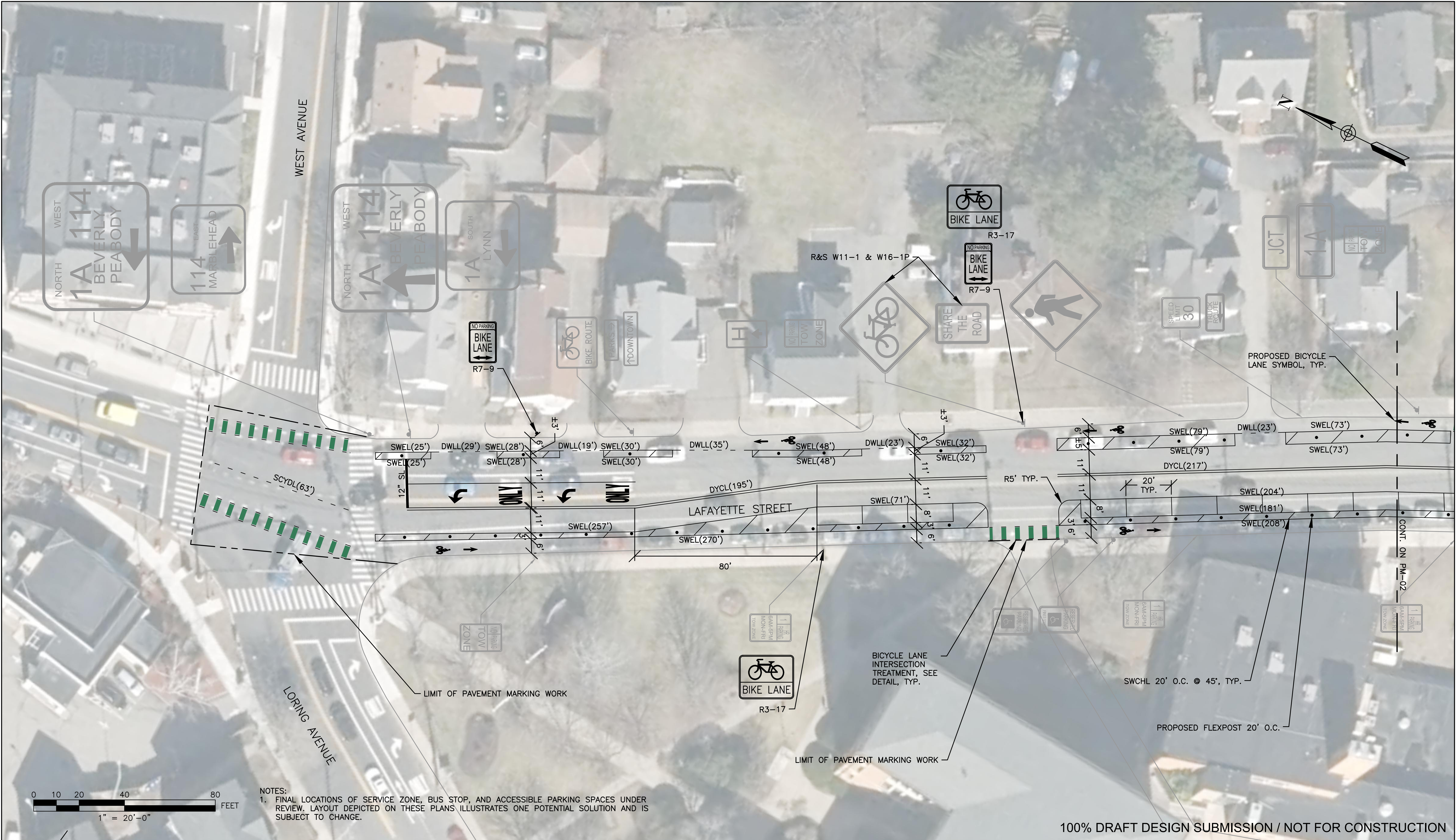
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		ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.								DATE 9/23/2022		
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		CHK	PB									
	APVD		NO.	DATE	REVISION	BY	APVD		SHEET NO. 10 OF 18			






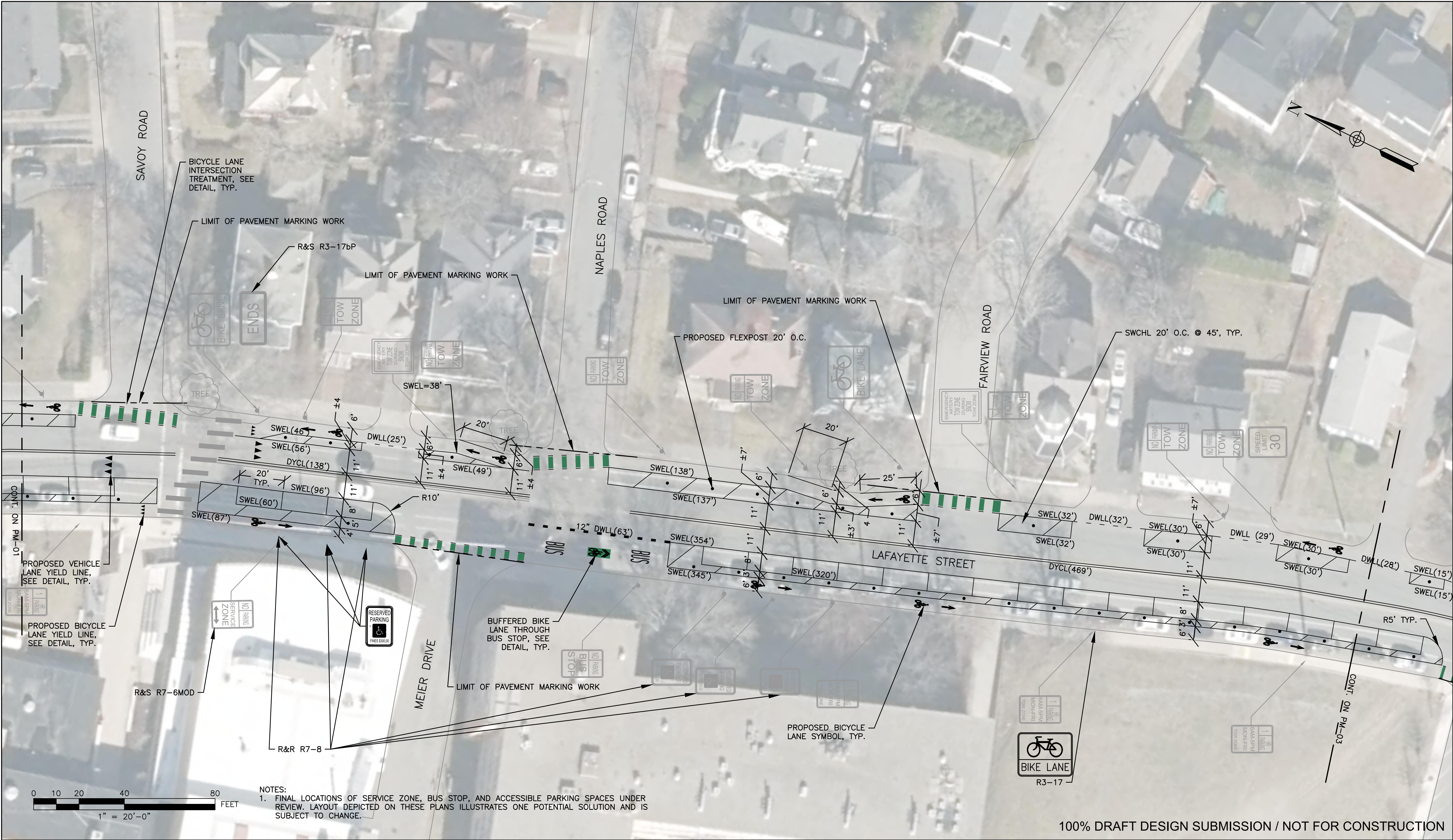
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		ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.											DATE	9/23/2022
		DSGN	OC									DRAWING NO.	E-07	
		DR	OC											
		CHK	PB											
		APVD		NO.	DATE	REVISION	BY	APVD			SHEET NO.	11 OF 18		





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		ALL DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE FOR THIS PROJECT. REUSE OR ALTERATION IS AT THE USER'S SOLE RISK.								LAFAYETTE STREET PROTECTED BIKE LANES		DATE 9/23/2022
		DSGN	OC									DRAWING NO. PM-01
		DR	OC									
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	APVD		NO.	DATE	REVISION	BY	APVD			SHEET NO. 12 OF 18		



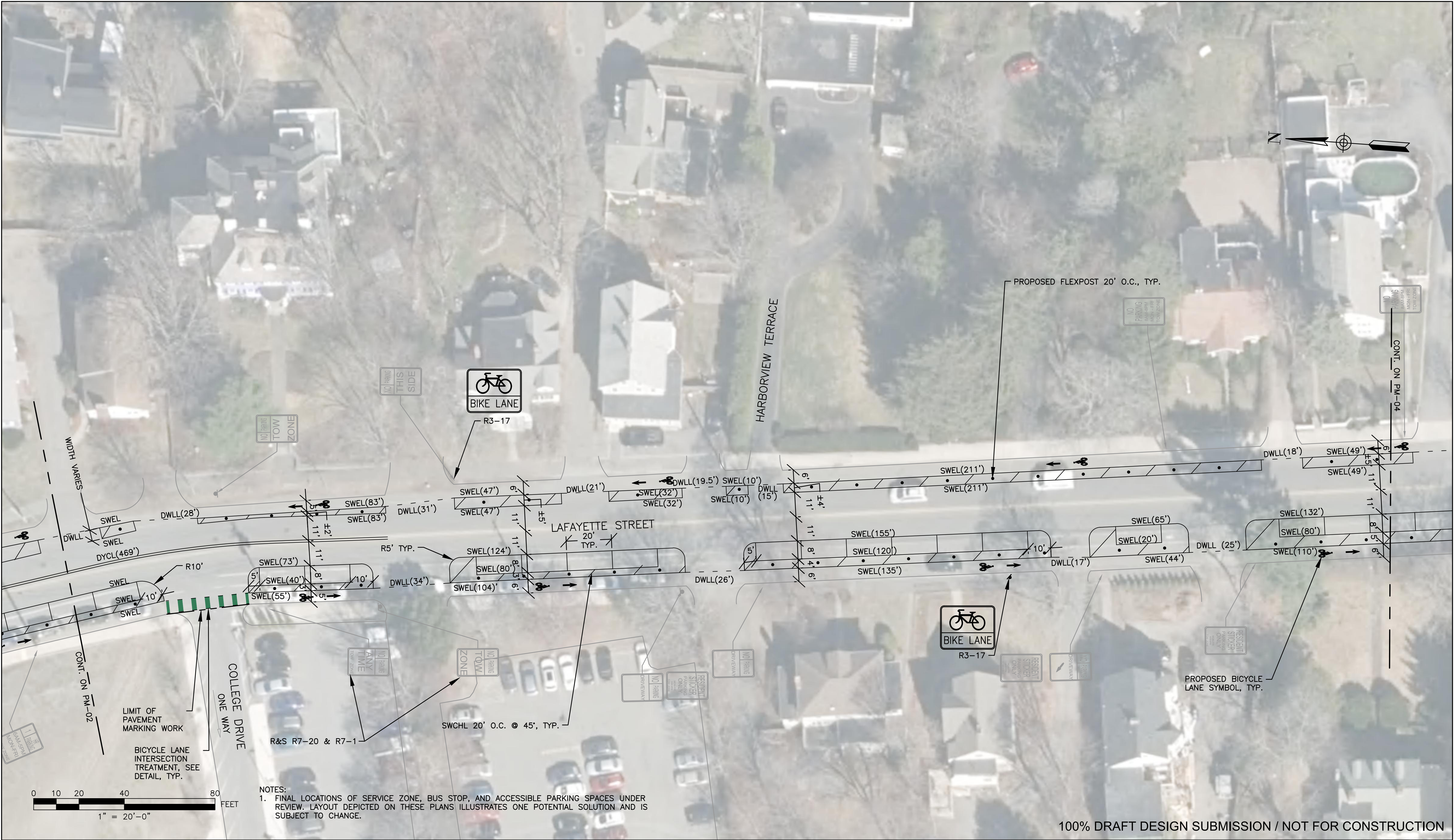


NOTES:  
1. FINAL LOCATIONS OF SERVICE ZONE, BUS STOP, AND ACCESSIBLE PARKING SPACES UNDER REVIEW. LAYOUT DEPICTED ON THESE PLANS ILLUSTRATES ONE POTENTIAL SOLUTION AND IS SUBJECT TO CHANGE.


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	DSGN	OC								DATE 9/23/2022		
	DR	OC								DRAWING NO. PM-02		
	CHK	PB								SHEET NO. 13 OF 18		
	APVD		NO.	DATE	REVISION	BY	APVD					





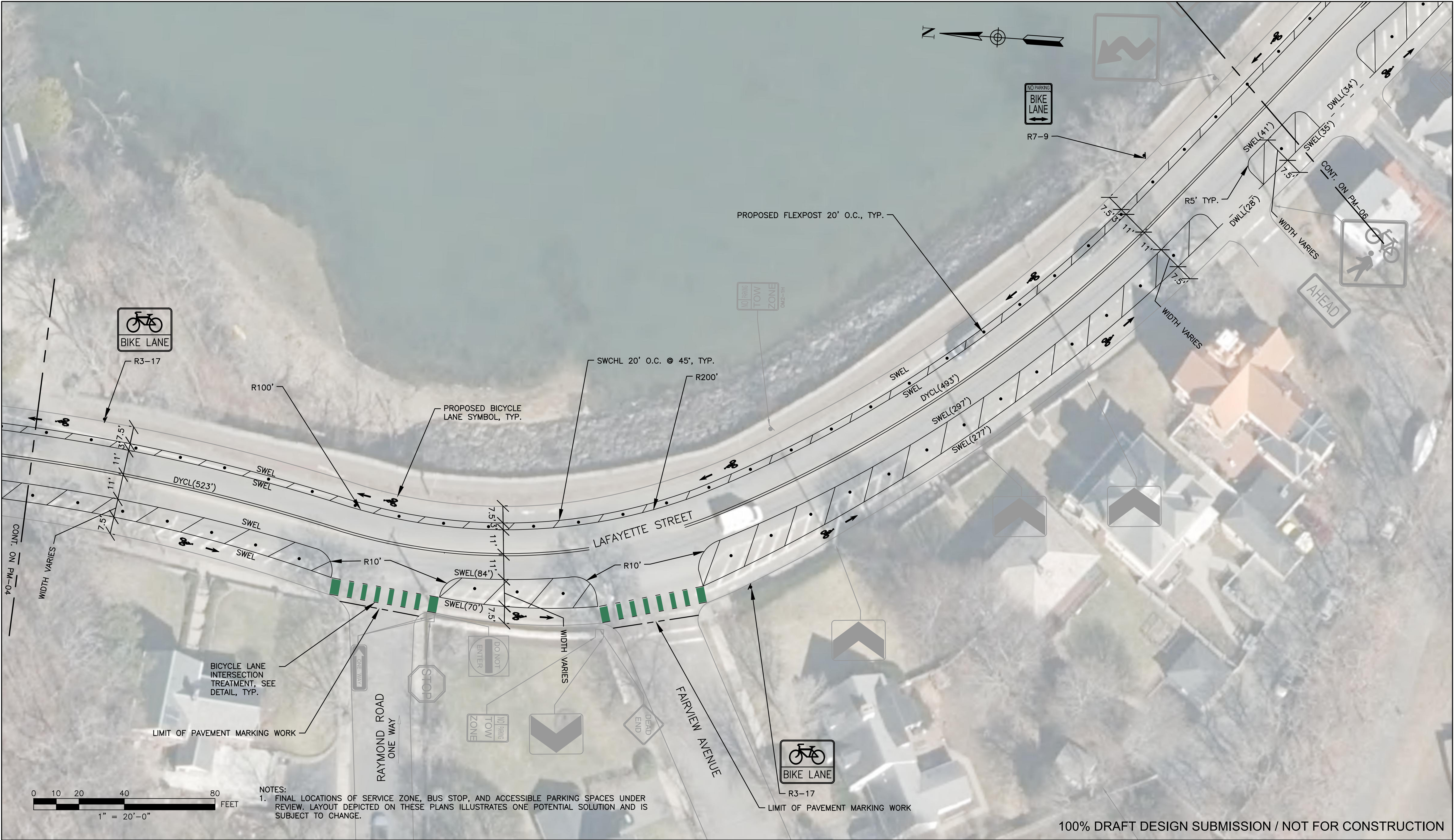
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	DSGN	OC							CITY OF SALEM	LAFAYETTE STREET PROTECTED BIKE LANES	DATE 9/23/2022		
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	CHK	PB									SHEET NO. 14 OF 18		
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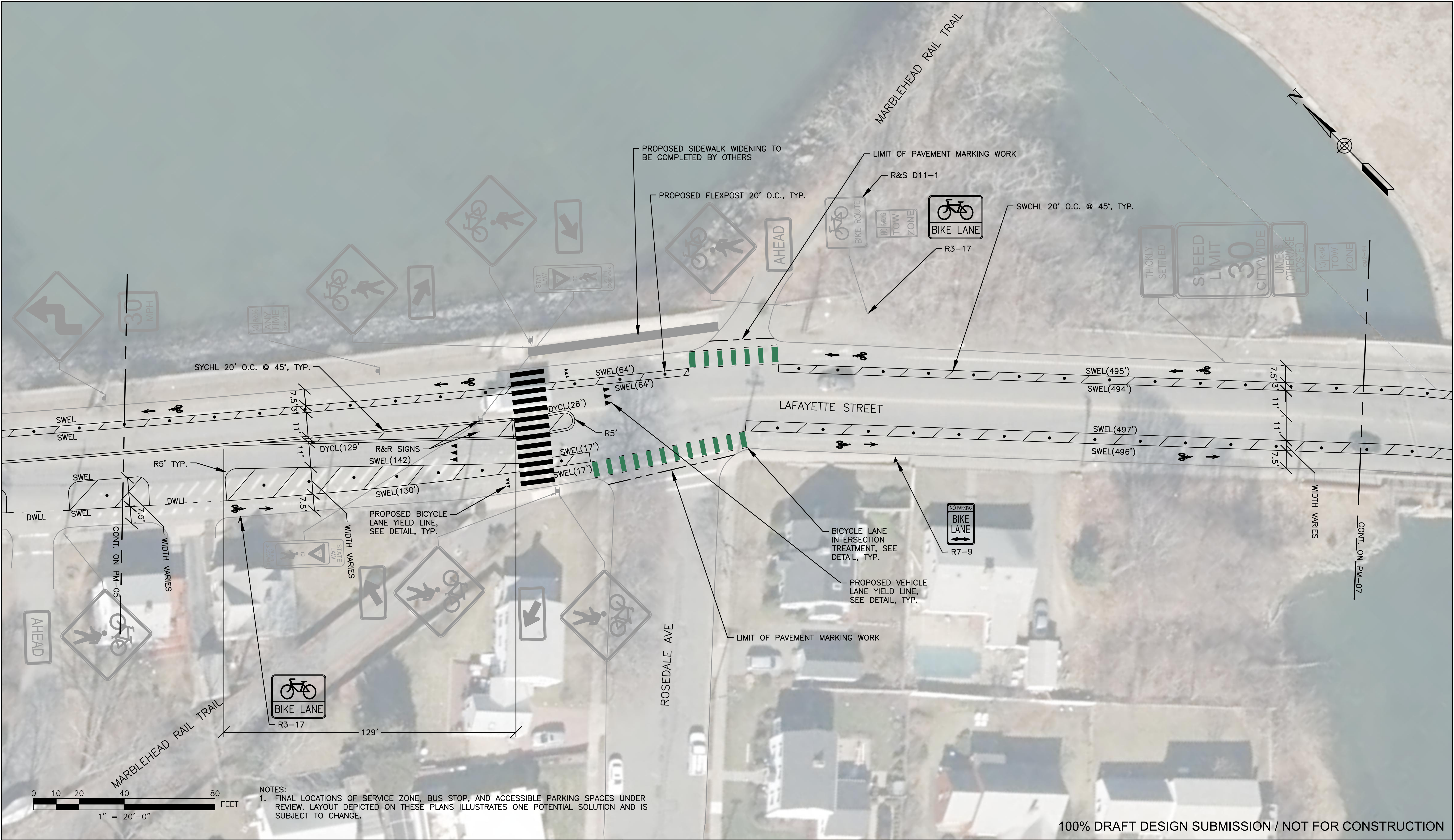






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							LAFAYETTE STREET PROTECTED BIKE LANES	DATE 9/23/2022
		DSGN	OC			TOOLE DESIGN 2 OLIVER STREET, SUITE 305 BOSTON, MA 02109 PHONE: 617.619.9910 FAX: 301.927.2800 www.tooledesign.com		DRAWING NO. PM-05
		DR	OC					SHEET NO.
		CHK	PB					16 OF 18
		APVD		NO.	DATE	REVISION	BY	APVD





NOTES:  
1. FINAL LOCATIONS OF SERVICE ZONE, BUS STOP, AND ACCESSIBLE PARKING SPACES UNDER REVIEW. LAYOUT DEPICTED ON THESE PLANS ILLUSTRATES ONE POTENTIAL SOLUTION AND IS SUBJECT TO CHANGE.

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<div>LAFAYETTE STREET PROTECTED BIKE LANES</div>										DATE 9/23/2022			
										DRAWING NO. PM-06			
										SHEET NO. 17 OF 18			
										DSGN	OC		
	DR	OC											
	CHK	PB											
	APVD		NO.	DATE	REVISION	BY	APVD						



