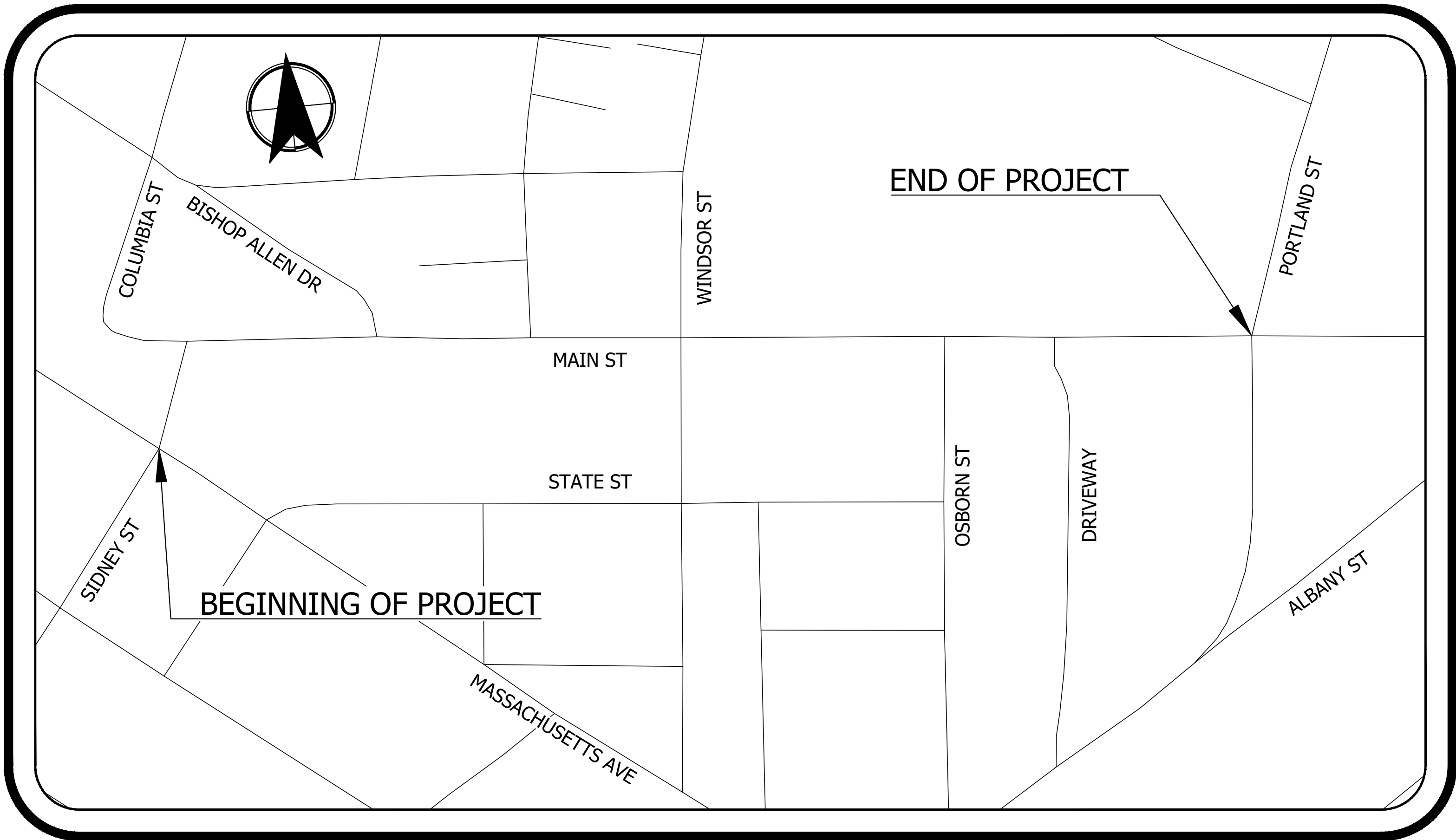


MAIN STREET QUICK BUILD DESIGN

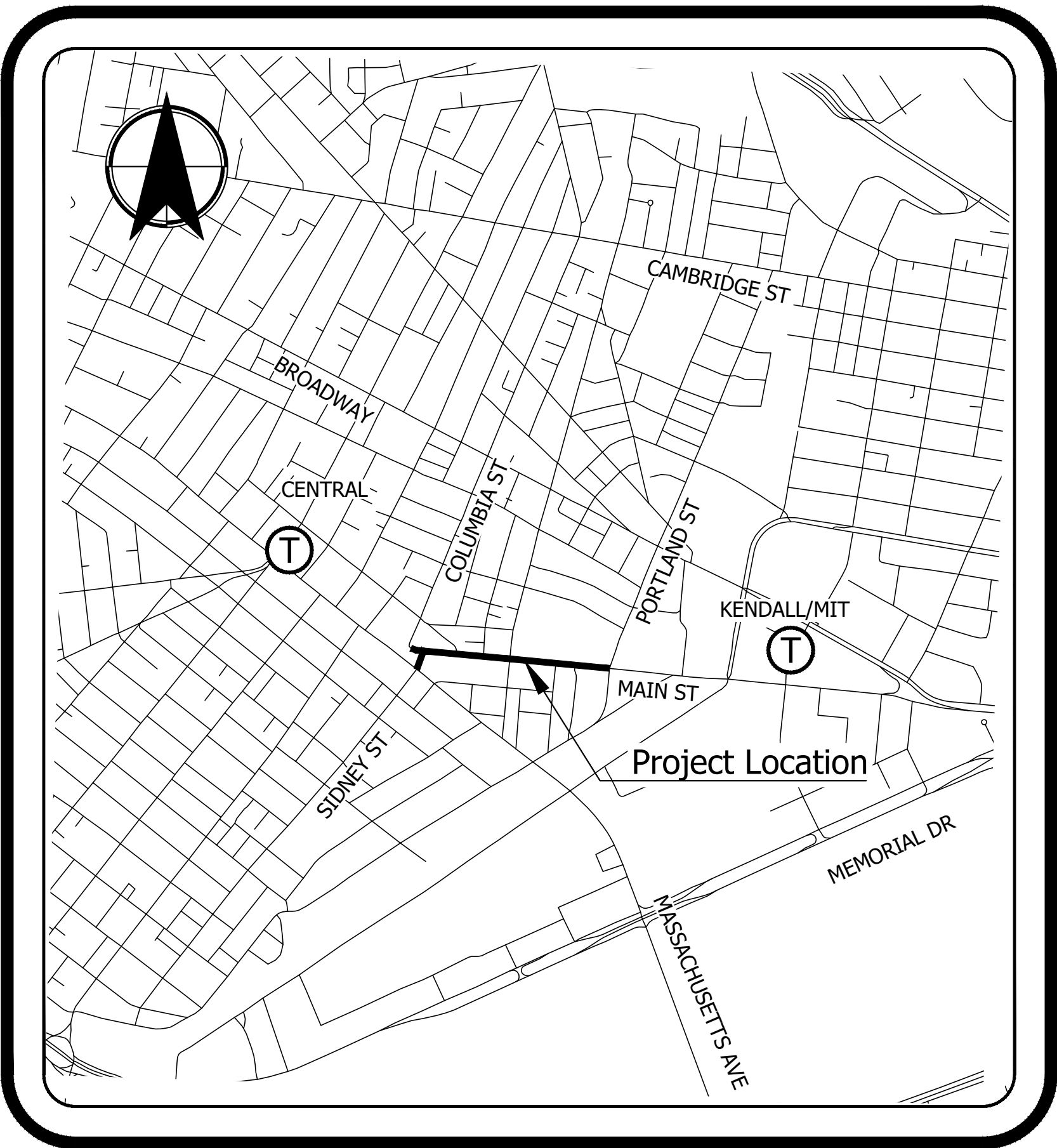
SIDNEY STREET TO PORTLAND STREET

PREPARED FOR:
CITY OF CAMBRIDGE, MASSACHUSETTS



SITE MAP

SCALE: NTS



VICINITY MAP

SCALE: NTS

BASIS OF MEASUREMENT:

ALL DIMENSIONS AND LOCATIONS ARE BASED ON PHOTO-IDENTIFIABLE STREET FEATURES AND CURB-TO-CURB FIELD MEASUREMENTS. PLANS DEVELOPED BASED ON AERIAL PHOTOGRAPHY. NO TOPOGRAPHIC DATA WERE COLLECTED.

SITE INFORMATION:

THE SITE IS MAIN STREET BETWEEN SIDNEY STREET AND PORTLAND STREET.

DATUM:

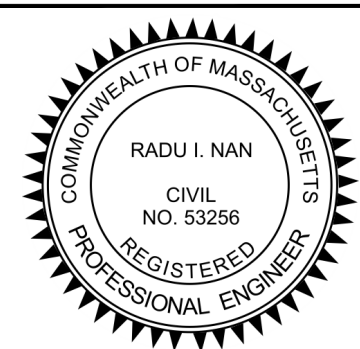
HORIZONTAL DATUM
THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM,
(ZONE 3601) NAD83.

PROJECT CONTACTS

CLIENT
CITY OF CAMBRIDGE, MA
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ENGINEER
KITTELSON & ASSOCIATES, INC.
CONTACT: RADU NAN, P.E.
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BOSTON, MA 02108
(617) 377-4004
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INDEX	
SHEET NUMBER	SHEET TITLE
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T-2	GENERAL NOTES & LEGEND
T-3	CONSTRUCTION DETAILS
PM-1 - PM-4	PAVEMENT MARKING PLAN
FP-1 - FP-4	FLEX POST PLAN
SP-1 - SP-4	SIGNING & METER PLAN
SP-5	TRAFFIC SIGN INVENTORY



These plans have been digitally signed and sealed by Radu I. Nan, PE on the date affixed by the seal using a Digital Certificate.

Date: 2025.05.30
14:08:02-04'00'

#	DATE	REVISION	APP'D

Submission Date: 05/30/2025		
Drawn: SSS	Designed: SSS	Checked: RIN

PROJECT NO.
27477.04

MAIN STREET QUICK BUILD BIKE LANES	TITLE SHEET
	SHEET NO. T-1

GENERAL NOTES

1. ALL DIMENSIONS AND LOCATIONS ARE BASED ON PHOTO-IDENTIFIABLE STREET FEATURES AND CURB-TO-CURB FIELD MEASUREMENTS. PLANS DEVELOPED BASED ON AERIAL PHOTOGRAPHY. NO TOPOGRAPHIC DATA WERE COLLECTED.
2. THE CONTRACTOR SHALL VERIFY BASE MAPPING IN THE FIELD PRIOR TO BEGINNING WORK. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER PRIOR TO START OF WORK. WHEN THESE PLANS ARE IN CONFLICT WITH ACTUAL SITE CONDITIONS, PROPOSED STRIPING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
3. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, MATERIAL TYPE, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE THE ENGINEER FOR RESOLUTION.
4. THE CONTRACTOR SHALL BE CAREFUL WHEN WORKING IN THE VICINITY OF EXISTING TREES SUCH THAT THERE IS NO DAMAGE TO THE TREES DURING CONSTRUCTION. ANY DAMAGE TO EXISTING TREES SHALL BE REPAIRED (OR REPLACED) AT THE COST OF THE CONTRACTOR. NO PAYMENT SHALL BE MADE IF THE CONTRACTOR CHOOSES TO PROTECT THE TREES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS, AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS. SIGN AND STRIPING WORK SHALL ALSO MEET ALL APPLICABLE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND CITY OF CAMBRIDGE STANDARD SPECIFICATIONS AND CONTRACT SPECIAL PROVISIONS.
6. FIRE HYDRANTS SHOWN ON THE DRAWINGS ARE FOUND UPON FIELD OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL FIRE HYDRANT LOCATIONS. IF ADDITIONAL FIRE HYDRANTS ARE FOUND THE PAVEMENT MARKING SHALL BE ADJUSTED BASED ON THE ENGINEER'S DIRECTION.
7. MARKED CROSSWALKS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
8. TEXT, ARROWS, AND BIKE LANE SYMBOLS SHALL BE WHITE. LONGITUDINAL LOCATIONS FOR BIKE LANE SYMBOLS AND SHARED LANE MARKINGS ARE APPROXIMATE UNLESS DIMENSIONS GIVEN. SEE DRAWINGS FOR SYMBOL LOCATIONS.
9. IF PROPOSED PAVEMENT MARKINGS ARE SHOWN IN THE AREA OF EXISTING PAVEMENT MARKINGS, ERADICATE ANY CONFLICTING MARKINGS USING A CITY APPROVED METHOD SUCH THAT NO TRACES OF EXISTING MARKINGS ARE SHOWN. THE CONTRACTOR SHALL NOT INSTALL NEW PAVEMENT MARKINGS WITHOUT ERADICATING CONFLICTING EXISTING PAVEMENT MARKINGS FIRST.
10. PLANS SHOW SIGNING ASSOCIATED WITH BIKE LANES. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL PROPOSED SIGNS AND ANY MODIFICATIONS TO EXISTING SIGNS.
11. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS, AND FEATURES OUTSIDE OF THE LIMITS OF WORK AND SHALL REPAIR, REPLACE, OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED AT NO ADDITIONAL COST TO THE CITY.
12. ALL EXISTING PEDESTRIAN RAMP LOCATIONS SHOWN ARE APPROXIMATE. EXISTING PEDESTRIAN RAMPS HAVE NOT BEEN REVIEWED FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT. THIS CONTRACT DOES NOT INCLUDE RECONSTRUCTING NON-COMPLIANT PEDESTRIAN RAMPS.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK SUCH THAT THERE WILL BE NO CONFLICTS AT ANY TIME BETWEEN TRAFFIC PATTERNS AND TRAFFIC CONTROL DEVICES (NEW OR TEMPORARY) WITHIN THE LIMITS OF CONSTRUCTION. NEW SIGNS SHALL BE FULLY INSTALLED AT THE SAME TIME OR PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS. SIGNS CONFLICTING WITH EXISTING PAVEMENT MARKINGS SHALL BE COVERED UNTIL THE FINAL PAVEMENT MARKINGS ARE INSTALLED. ONCE THE NEW PAVEMENT MARKINGS ARE INSTALLED, SIGNS SHALL BE PROMPTLY UNCOVERED.

TRAFFIC MANAGEMENT NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL SIGN LOCATIONS ARE SHOWN SCHEMATICALLY. FINAL LOCATIONS SHALL BE DETERMINED BASED ON ACTUAL FIELD CONDITIONS AND THE ENGINEER'S APPROVAL.
3. ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROPERLY SECURED.
4. ALL DRUMS AND DELINEATORS NOT OTHERWISE SPECIFIED SHALL BE EQUIPPED WITH TYPE "C" -STEADY BURN WARNING LIGHTS.
5. TEMPORARY TRAFFIC LANES WITHIN THE WORK ZONE SHALL BE A MINIMUM OF 10 FEET.
6. ADVISORY SPEED LIMITS SHALL BE POSTED AS DIRECTED BY THE CITY.
7. NON-ESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORK HOURS.
8. ALL TRAVEL WAYS SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS AT ALL TIMES.
9. TRAFFIC CONTROL INCLUDES NECESSARY STREET SWEEPING AND SNOW REMOVAL WITHIN THE WORK ZONE.
10. VEHICULAR, PEDESTRIAN, AND BICYCLIST TRAFFIC SHALL BE ALLOWED ACCESS TO PRIVATE PROPERTY AT ALL TIMES DURING CONSTRUCTION.
11. ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES. WORK MAY REQUIRE ADDITIONAL SIGNAGE AND OTHER TRAFFIC CONTROL DEVICES, GRADING AND TEMPORARY PAVEMENT FOR PASSAGE OF PEDESTRIAN, BICYCLIST, VEHICULAR AND EMERGENCY TRAFFIC THROUGH WORK AREAS BOTH DURING AND AFTER WORK HOURS.
12. EACH ABUTTER SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS.
13. CONSTRUCTION WORK ZONE SHALL BE STAGED AS TO ALLOW FOR CONTINUOUS ACCESS AT DRIVE ENTRANCES AND TO MINIMIZE DETOURS TO CAMBRIDGE ROADS.
14. SAFE PEDESTRIAN WALKWAYS SHALL BE PROVIDED AND ACCESS TO LOCAL BUSINESSES AND RESIDENCES. PUBLIC WALKWAYS SHALL REMAIN OPEN AND ACCESSIBLE UNLESS OTHERWISE DIRECTED BY CITY.
15. ALL EXISTING PEDESTRIAN CROSSINGS SHALL BE MAINTAINED. ALTERNATIVE CROSSINGS SHALL BE PROVIDED WHEN EXISTING CROSSINGS ARE DISRUPTED BY CONSTRUCTION ACTIVITY. TEMPORARY LOCATIONS, SAFETY SIGNAGE AND SAFETY CONTROLS SHALL BE APPROVED BY THE CITY PRIOR TO IMPLEMENTATION.
16. PEDESTRIAN WALKWAYS SHALL BE PROTECTED ALONG WORK ZONE WITH CONCRETE BARRIERS AND FENCING.
17. POLICE DETAILS SHALL BE SCHEDULED AND COORDINATED BY THE CONTRACTOR TO MAINTAIN THE SAFETY OF PEDESTRIAN, BICYCLIST, AND VEHICULAR TRAFFIC.
18. DETOURS SHALL ONLY BE ALLOWED AS INDICATED OR AS APPROVED BY THE CITY OF CAMBRIDGE TRAFFIC, PARKING,AND TRANSPORTATION DEPARTMENT.

ABBREVIATIONS

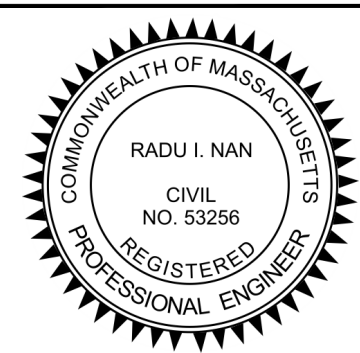
EXIST	EXISTING	R	RADIUS
LP	LIGHT POLE	REM	REMOVE
MIN	MINIMUM	RET	RETAIN
MNT	MOUNT	R&R	REMOVE AND RESET
O.C.	ON CENTER	TS	TRAFFIC SIGNAL
PROP	PROPOSED	TYP	TYPICAL
PVMK	PAVEMENT MARKING		

LEGEND

	EXISTING STREET LIGHT		
	EXISTING UTILITY POLE		
	EXISTING SIGN		PROPOSED SIGN (STEEL POST UNLESS OTHERWISE NOTED)
	EXISTING SIGNAL POLE		
	EXISTING FIRE HYDRANT		
	EXISTING SINGLE HEAD METER		PROPOSED SINGLE HEAD METER
	EXISTING DOUBLE HEAD METER		
	EXISTING SIGN		PROPOSED SIGN
			PROPOSED FLEX POST

PAVEMENT MARKING LEGEND

	6" BROKEN WHITE LINE - 10' MARK, 30' SKIP		8" SOLID WHITE CHANNELIZATION LINES - 45°, 15' O.C.
	6" DASHED WHITE LINE - 2' MARK, 4' SKIP		8" SOLID YELLOW CHANNELIZATION LINES - 45°, 15' O.C.
	6" DASHED YELLOW LINE - 2' MARK, 4' SKIP		PAVEMENT ARROW - WHITE
	4" DOUBLE YELLOW CENTER LINE		BIKE LANE PAVEMENT MARKING
	4" DASHED DOUBLE YELLOW CENTER LINE - 2' MARK, 4' SKIP		YIELD LINE
	6" SOLID WHITE LINE		PROPOSED HIGH FRICTION GREEN SURFACE TREATMENT
	6" SOLID YELLOW LINE		PROPOSED TAN-COLORED MMA LANE TREATMENT WITH ANTI-SKID (OR EQUAL)
	10' CROSSWALK - 2' BAR, 2' GAP		

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Submission Date: 05/30/2025		
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PROJECT NO.
27477.04

BIKE LANE BUFFER DETAIL

NOT TO SCALE

TYPICAL LATERAL DISTANCE OF FLEXPOST FROM CURB
(UNLESS OTHERWISE NOTED ON PLANS)
NOT TO SCALE

36" WHITE CORED
BASE FLEXPOST DETAIL
NOT TO SCALE

FLEXPOST NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
3. COLOR OF POST SHALL MATCH COLOR OF APPLICABLE EDGE LINE.
4. PER CITY OF BOSTON SPECIFICATIONS FOR IN GROUND CORED BASE FLEXPOST.

CITY POST MODEL EAC 36" POST
NOT TO SCALE

TYPICAL SHARED LANE MARKING WITH GREEN
NOT TO SCALE

BIKECROSS NOTES:

1. PREFORMED THERMOPLASTIC GREEN PANELS ARE USED AS SHOWN ON THE PLANS.
2. INSTALL PREFORMED THERMOPLASTIC GREEN PANELS BETWEEN 2' DOTTED WHITE LANE LINES AS SHOWN ON PLANS.
3. INSTALL PREFORMED THERMOPLASTIC GREEN PANELS SO THAT CROSSWALK MARKINGS ARE NOT DISTURBED.
4. INSTALL PREFORMED THERMOPLASTIC GREEN PANELS SO NOT TO COVER ANY UTILITY MANHOLES AND/OR GATES.

TYPICAL BIKECROSS
NOT TO SCALE

- NOTES**
1. BIKES YIELD TO PEDS PAVEMENT MARKING DETAIL SHALL BE MADE BY ENNIS-FLINT OR APPROVED EQUAL.
 2. ENNIS-FLINT DETAIL 50" X 50" YIELD TO PEDS" W. BIKE SYMBOL, DESIGN #21-658-01.

BIKES YIELD TO PEDS
PAVEMENT MARKING DETAIL
NOT TO SCALE

YIELD LINE MARKINGS
NOT TO SCALE

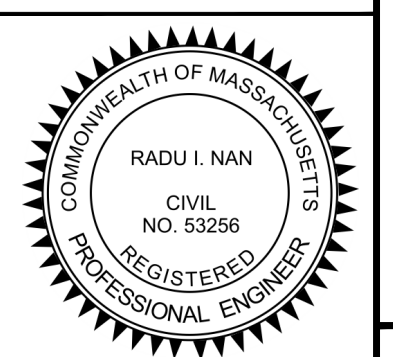
TAN BUFFER DETAIL
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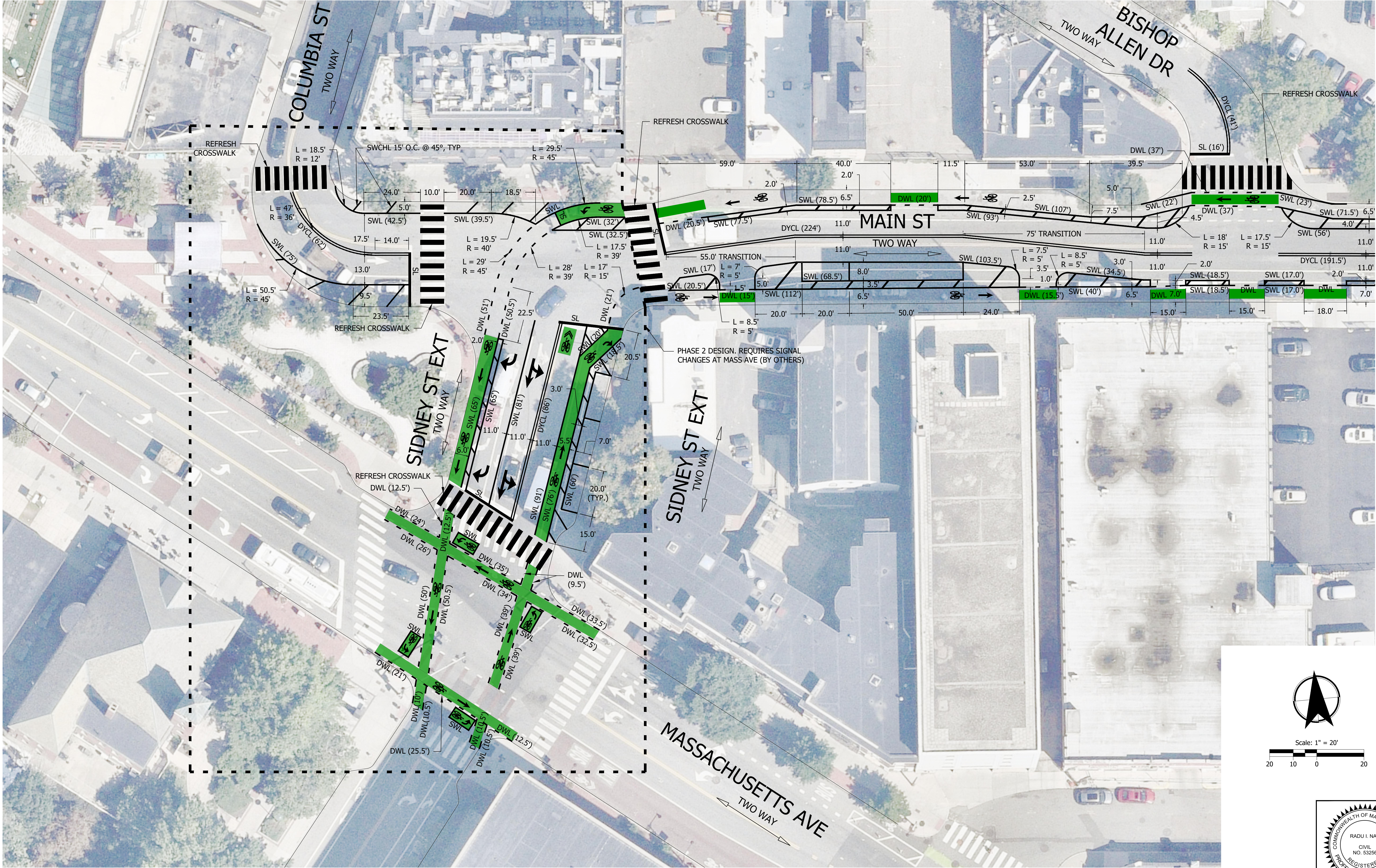
TYPICAL BIKE LEFT TURN PANEL
NOT TO SCALE

BICYCLE LANE STRIPING NOTES:

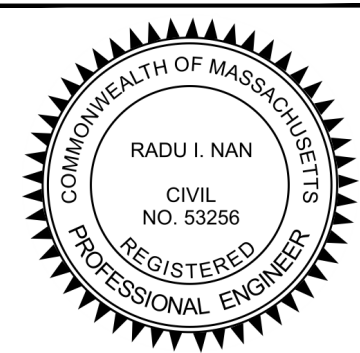
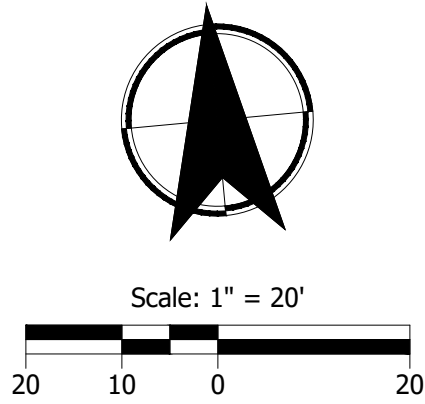
1. DO NOT PLACE SYMBOLS ON LANE LINES.
2. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE LANE.
3. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.
4. TRAVEL AND PARKING LANE WIDTHS ARE AS SHOWN ON THE DRAWINGS.
5. DO NOT PLACE SYMBOLS WITHIN DASHED LINES.

TYPICAL BICYCLE LANE MARKING SYMBOL
NOT TO SCALE



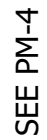


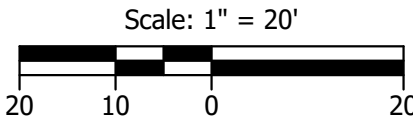
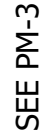
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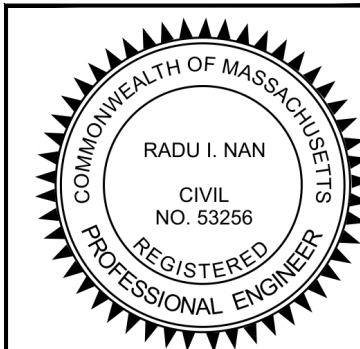
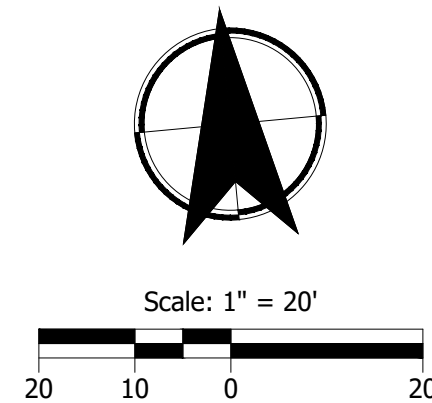
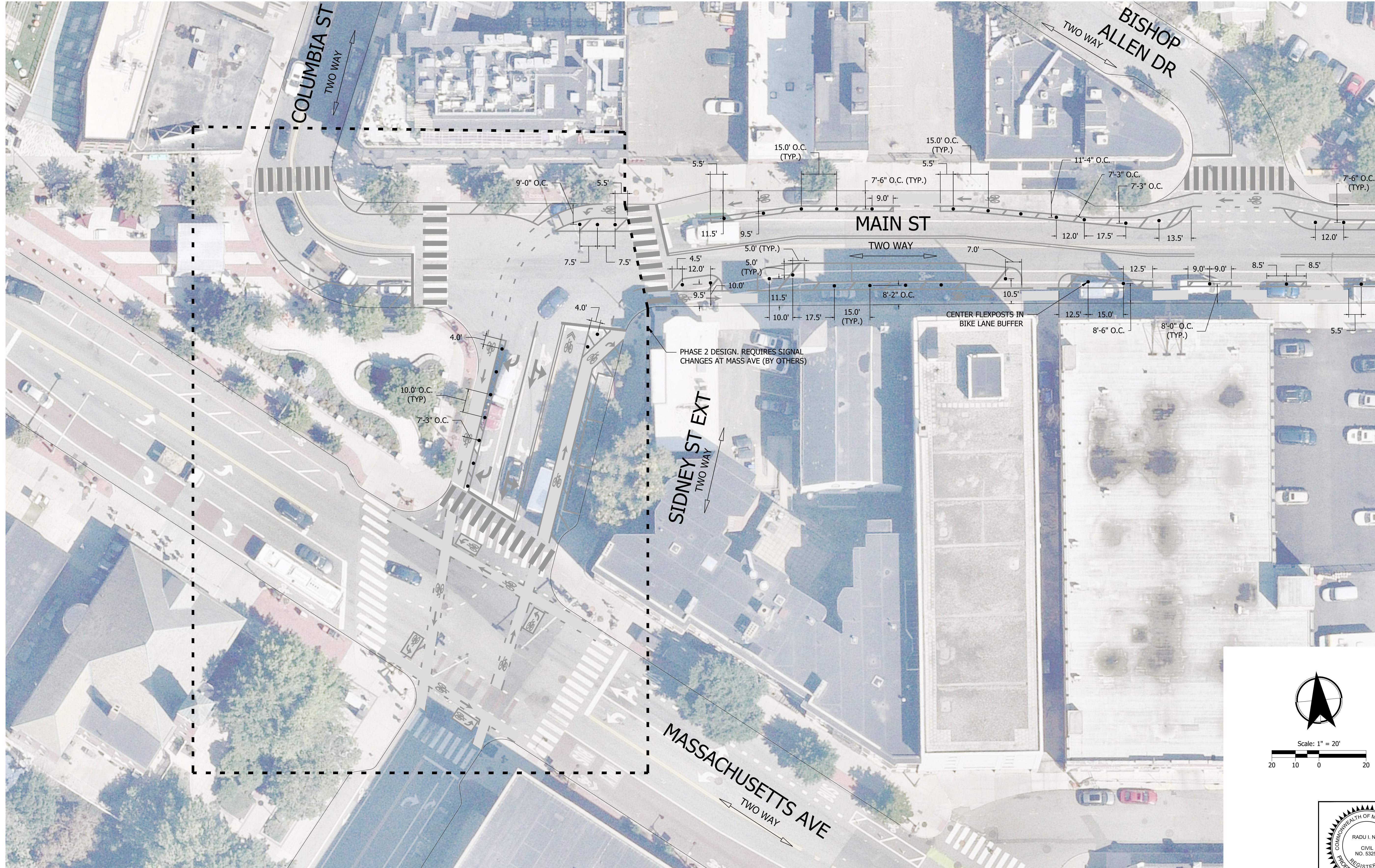


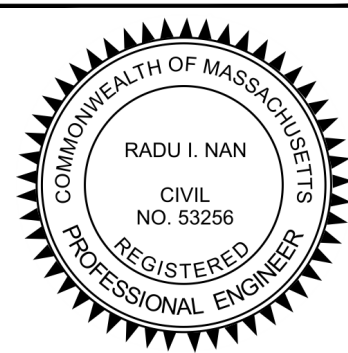
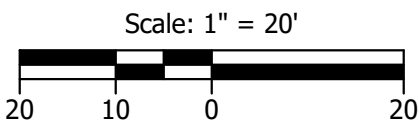
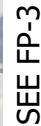
Department of Transportation																					
CITY OF CAMBRIDGE																					
KITTELSON & ASSOCIATES	ONE BEACON STREET, SUITE 2300 BOSTON, MA 02108 P 617.377.4000																				
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Submission Date: 05/30/2025																					
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PROJECT NO. 27477.04																					
MAIN STREET QUICK BUILD BIKE LANES PAVEMENT MARKING PLAN - 1																					
SHEET NO. PM-1																					





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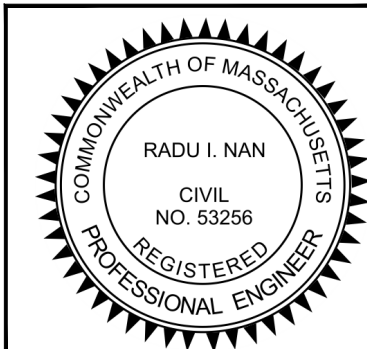
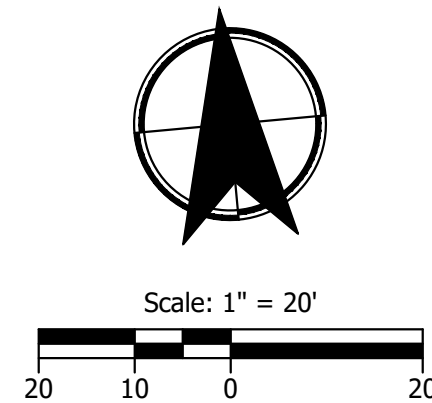
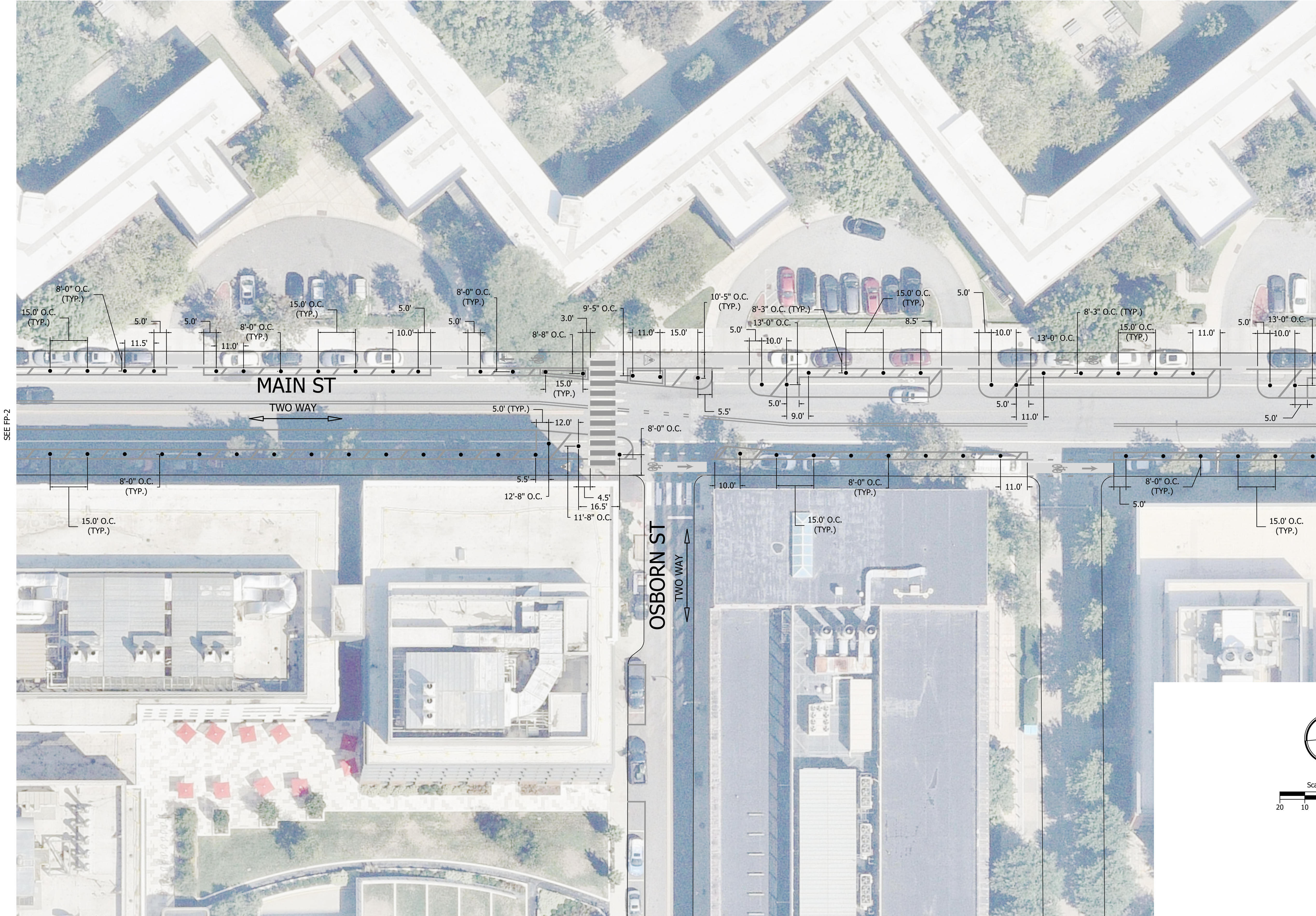


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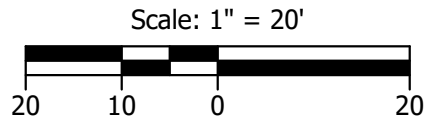
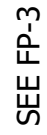
Submission Date: 05/30/2025		
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PROJECT NO.
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MAIN STREET QUICK BUILD BIKE LANES	FLEX POST PLAN - 2
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CITY OF CAMBRIDGE Department of Transportation	
KITTELSON & ASSOCIATES ONE BEACON STREET, SUITE 2300 BOSTON, MA 02108 P 617.377.4000	
SUBMISSION DATE: 05/30/2025	
DRAWN: SSS DESIGNED: SSS CHECKED: RIN	
PROJECT NO. 27477.04	
MAIN STREET QUICK BUILD BIKE LANES	
FLEX POST PLAN - 3	
SHEET NO. FP-3	



MAIN STREET
QUICK BUILD BIKE LANES

FLEX POST PLAN - 4

SHEET NO.
FP-4



**KITTELSON
& ASSOCIATES**

ONE BEACON STREET, SUITE 2300
BOSTON, MA 02108
P 617.377.4000

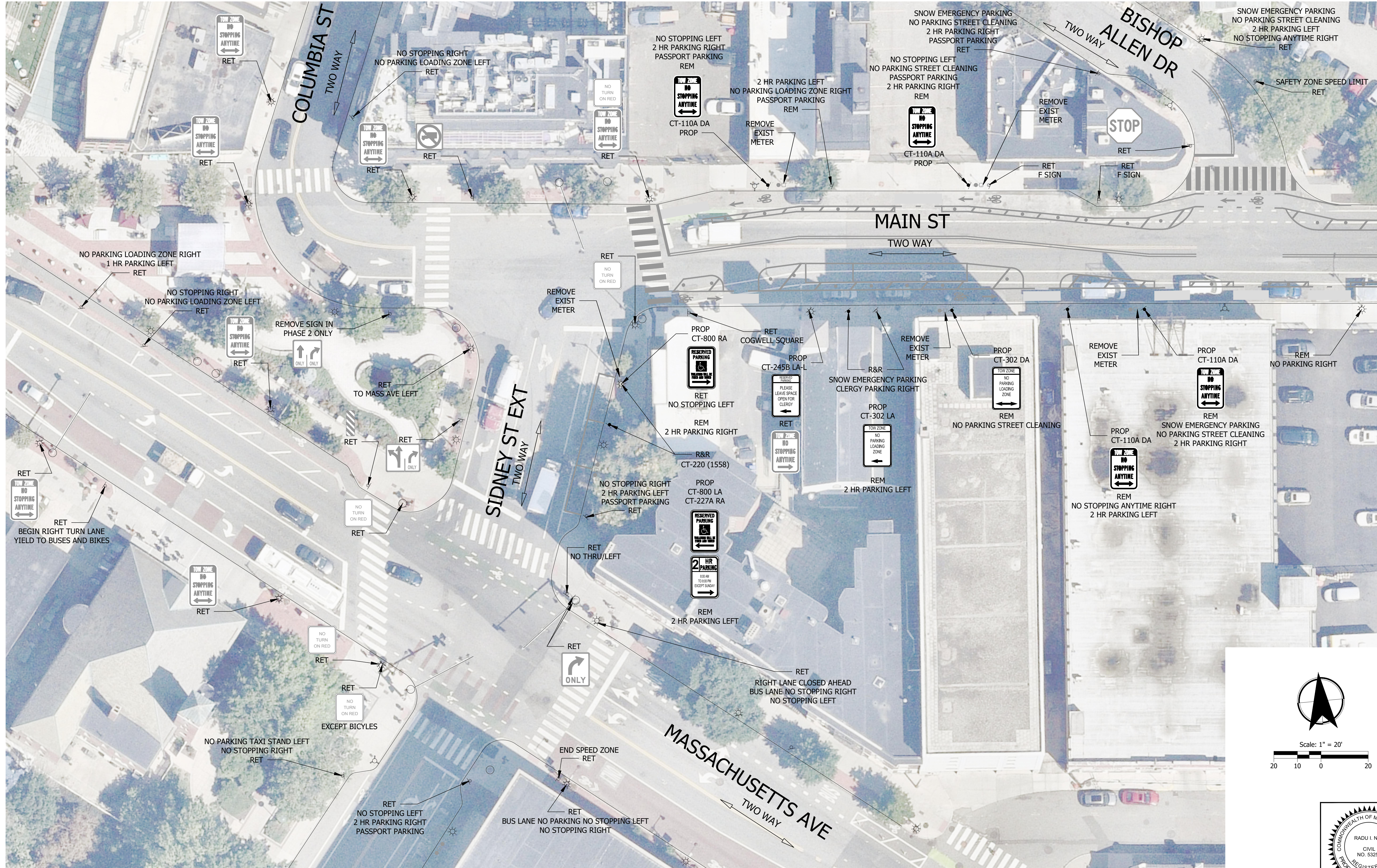
Department of Transportation

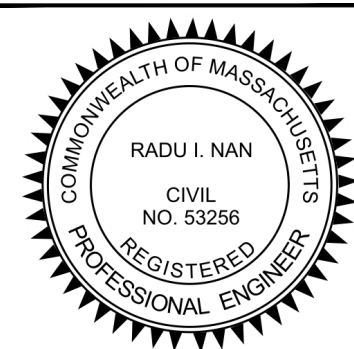
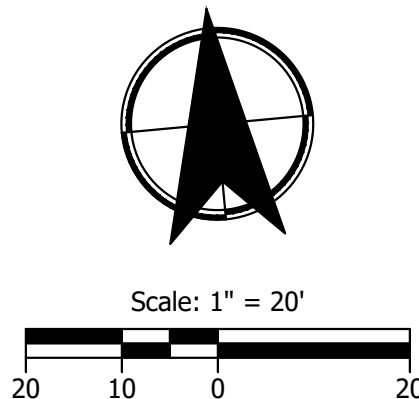
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CAMBRIDGE**

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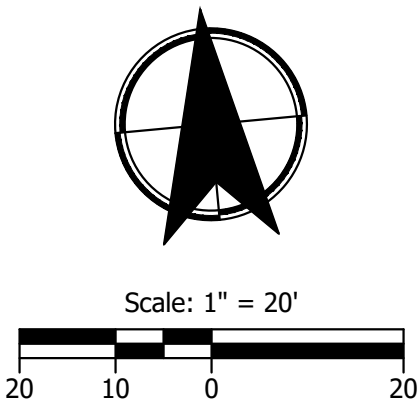
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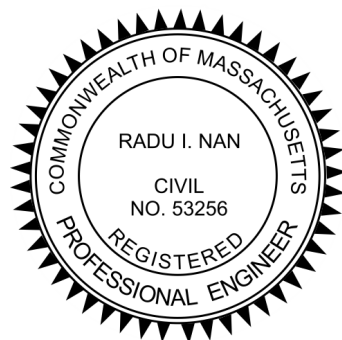
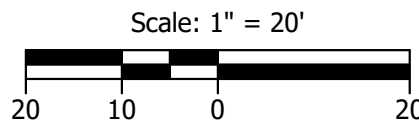
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27477.04

MAIN STREET QUICK BUILD BIKE LANES

SIGNING & METER PLAN - 3

SHEET NO
SP-3



TRAFFIC SIGN SUMMARY

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
	WIDTH	HEIGHT			BACK- GROUND	LEGEND	BORDER			
CT-110A DA	12"	18"	TOW ZONE NO STOPPING ANYTIME DOUBLE ARROW	20	WHITE	RED	RED	MNT ON NEW POST (1) MNT ON EXIST POST (14) MNT ON POLE (5)	1.50	30.0
CT-110A LA	12"	18"	TOW ZONE NO STOPPING ANYTIME LEFT ARROW	4	WHITE	RED	RED	MNT BELOW OTHER SIGN (4)	1.50	6.0
CT-110A RA	12"	18"	TOW ZONE NO STOPPING ANYTIME RIGHT ARROW	5	WHITE	RED	RED	MNT BELOW OTHER SIGN (5)	1.50	7.5
CT-200 DA	12"	18"	PARKING BY PERMIT ONLY EXCEPT SUNDAYS DOUBLE ARROW	3	WHITE	BLACK	BLACK	MNT ON EXIST POST (3)	1.50	4.50
CT-200 LA	12"	18"	PARKING BY PERMIT ONLY EXCEPT SUNDAYS LEFT ARROW	5	WHITE	BLACK	BLACK	MNT ON NEW POST (4) MNT ON EXIST POST (1)	1.50	7.5
CT-200 RA	12"	18"	PARKING BY PERMIT ONLY EXCEPT SUNDAYS RIGHT ARROW	5	WHITE	BLACK	BLACK	MNT ON NEW POST (4) MNT ON EXIST POST (1)	1.50	7.5
CT-220 (1558)	12"	18"	PASSPORT PARKING ZONE: 1558	2	WHITE	BLACK	BLACK	MNT BELOW OTHER SIGN (2)	1.50	3.0
CT-227A LA	12"	18"	2 HR PARKING 8:00AM - 8:00PM, EXCEPT SUNDAY ZONE: 1558 LEFT ARROW	1	WHITE	GREEN	GREEN	MNT ON EXIST POST (1)	1.50	1.50
CT-227A RA	12"	18"	2 HR PARKING 8:00AM - 8:00PM, EXCEPT SUNDAY ZONE: 1558 RIGHT ARROW	2	WHITE	GREEN	GREEN	MNT BELOW OTHER SIGN (1) MNT ON NEW POST (1)	1.50	3.0
CT-245B LA	12"	18"	RESERVED PARKING PLEASE LEAVE SPACE OPEN FOR CLERGY LEFT ARROW	1	WHITE	RED	RED	MOUNT ON POLE (1)	1.50	1.50
CT-302 DA	12"	18"	TOW ZONE NO PARKING LOADING ZONE DOUBLE ARROW	1	WHITE	RED	RED	MNT ON EXIST POST (1)	1.50	1.50
CT-302 LA	12"	18"	TOW ZONE NO PARKING LOADING ZONE 7:00AM - 6:00 PM LEFT ARROW	2	WHITE	RED	RED	MNT ON NEW POST (2)	1.50	3.0
CT-302 RA	12"	18"	TOW ZONE NO PARKING LOADING ZONE 7:00AM - 6:00 PM RIGHT ARROW	1	WHITE	RED	RED	MNT BELOW OTHER SIGN (1)	1.50	1.50
CT-800 LA	12"	18"	RESERVED PARKING VIOLATORS WILL BE FINED AND TOWED LEFT ARROW	2	WHITE	BLUE/ GREEN	GREEN	MNT ON NEW POST (2)	1.50	3.0
CT-800 RA	12"	18"	RESERVED PARKING VIOLATORS WILL BE FINED AND TOWED RIGHT ARROW	1	WHITE	BLUE/ GREEN	GREEN	MNT ON POLE (1)	1.50	1.50

