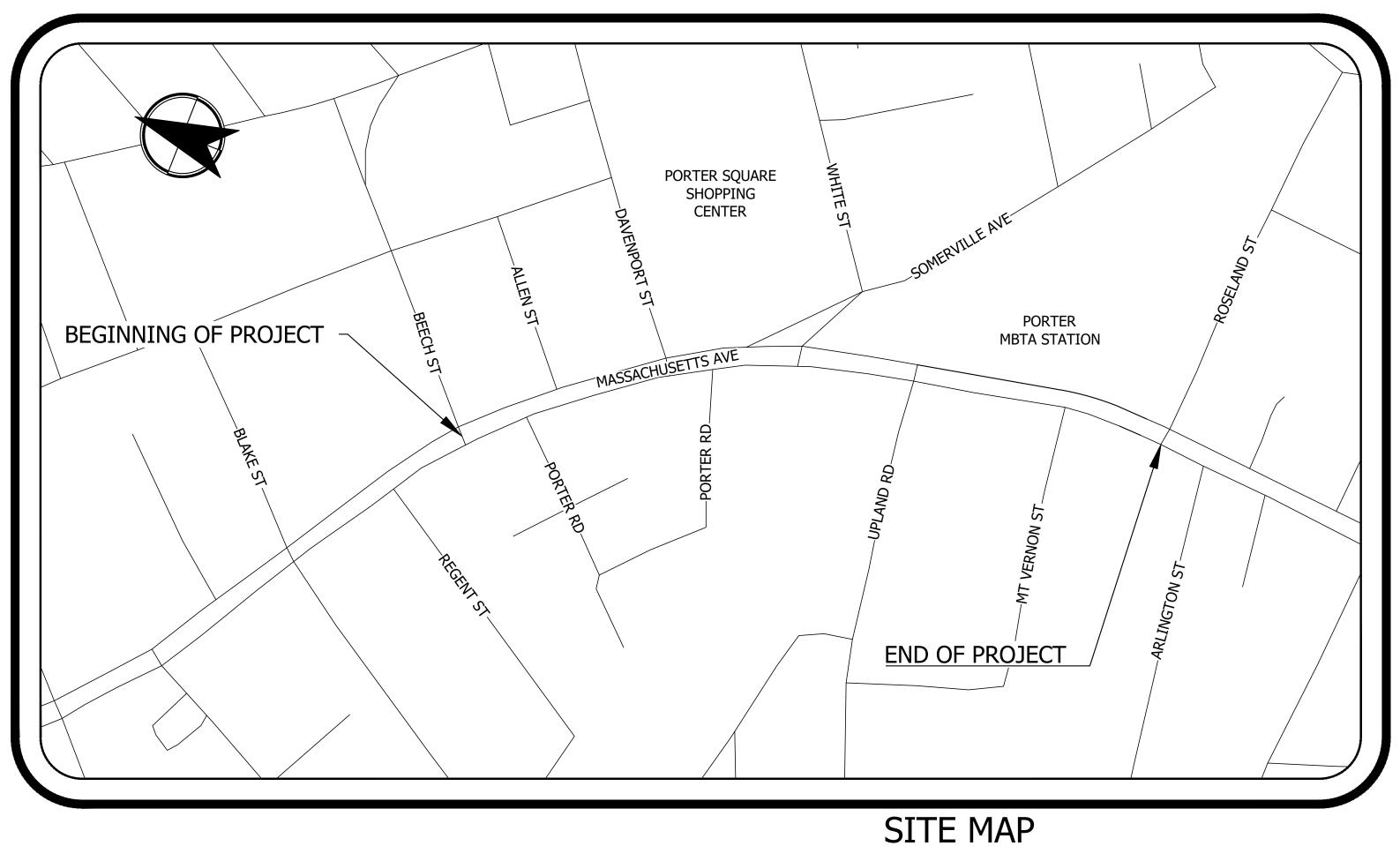
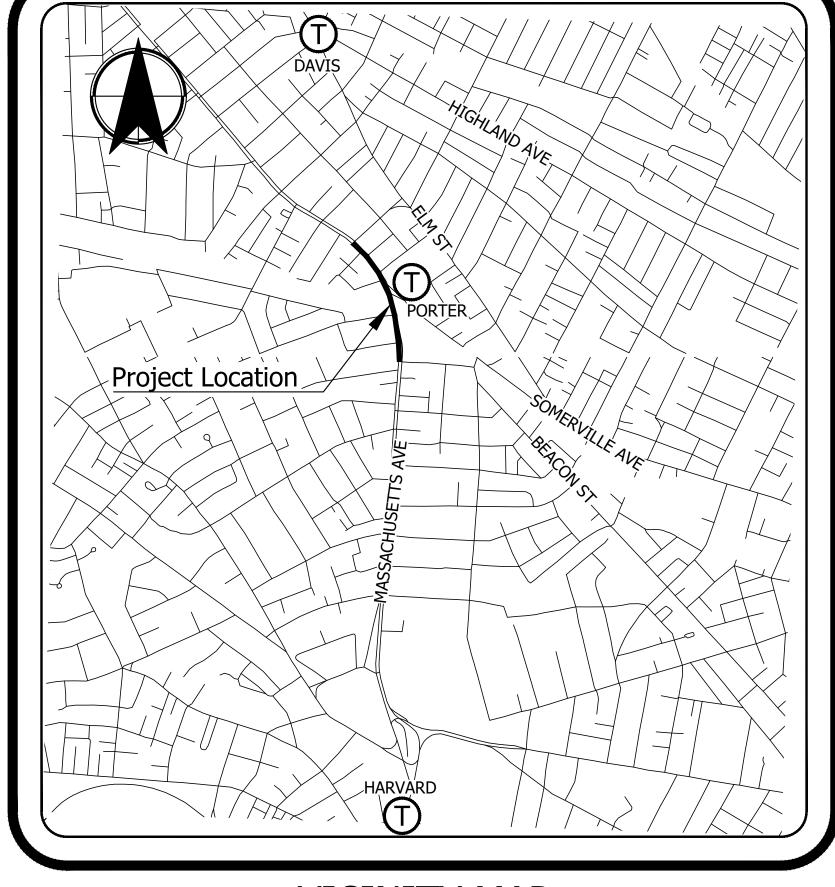
PREPARED FOR: CITY OF CAMBRIDGE, MASSACHUSETTS

JULY 13, 2022

SCALE: 1"=50'





BASIS OF STATIONING:

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

SITE INFORMATION:

LOCATED BETWEEN NORTH CAMBRIDGE, BALDWIN AND NEIGHBORHOOD NINE, THE STRETCH OF MASSACHUSETTS AVENUE BETWEEN BEECH STREET AND ROSELAND STREET.

DATUM:

(ZONE 3601) NAD83.

HORIZONTAL DATUM THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM,

PROJECT CONTACTS

CLIENT CITY OF CAMBRIDGE, MA CONTACT: ANDREAS WOLFE

ADDRESS: 344 BROADWAY CAMBRIDGE, MA 02139 (617) 349-9162 PHONE:

AWOLFE@CAMBRIDGEMA.GOV

ENGINEER

KITTELSON & ASSOCIATES, INC. RADU NAN, P.E. ADDRESS: ONE WASHINGTON MALL, SUITE 1101

BOSTON, MA 02108 (617) 377-4004 PHONE: RNAN@KITTELSON.COM **EMAIL:**

VICINITY MAP

SCALE: NTS

INDEX				
SHEET NUMBER	SHEET TITLE			
1	TITLE SHEET			
2	LEGEND, GENERAL NOTES & DETAILS			
3 - 5	EXISTING SIGNS			
6 - 8	SIGNING AND PAVEMENT MARKING PLAN			
9	TRAFFIC SIGN INVENTORY			
10 - 12	PAVEMENT MARKINGS ONLY			

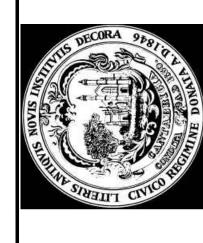
CIVIL NO. 53256 NO. 53250

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NO. 53250 These plans have been digitally signed and sealed by Radu I. Nan, PE on the date affixed by the seal using a Digital Signature.



Submission Date: 07/13/2022 Designed: Checked: JML RIN

PROJECT NO.

23826.003

SHEET NO.

T-1

TTS AVENUE E QUICK BUILD

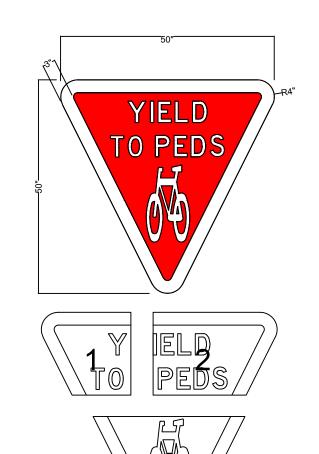
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GENERAL NOTES

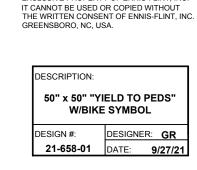
- 1. DETAILS FOR THESE PLANS HAVE BEEN GENERATED FROM FIELD VISITS AND BASE MAPPING PREPARED FROM AERIAL DATA PROVIDED BY THE CITY OF CAMBRIDGE. THIS PLAN IS NOT BASED UPON AN ON-THE-GROUND SURVEY.
- 2. THE CONTRACTOR SHALL VERIFY BASE MAPPING IN THE FIELD PRIOR TO BEGINNING WORK. ANY DISCREPANCIES MUST 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.
- FIRE HYDRANTS SHOWN ON THE DRAWINGS ARE BASED 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 BICYCLE LANE SYMBOLS SHALL BE WHITE. LONGITUDINAL LOCATIONS FOR BICYCLE 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 AN APPROVED METHOD SUCH THAT NO TRACES OF EXISTING MARKINGS ARE SHOWN. THE CONTRACTOR SHALL NOT INSTALL NEW PAVEMENT MARKINGS WITHOUT ERADICATING EXISTING PAVEMENT MARKINGS FIRST.
- 10. STRIPING PLANS SHOW SIGNING ASSOCIATED WITH BICYCLE 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 AND 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.
- 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.

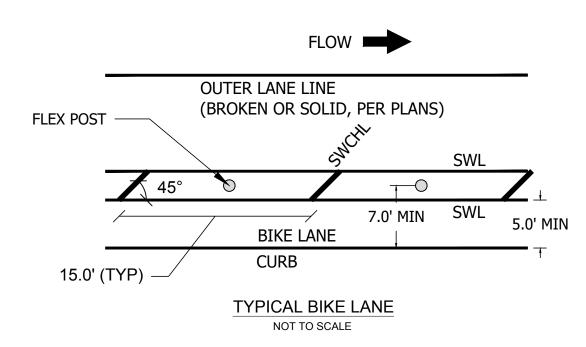
DETAILS

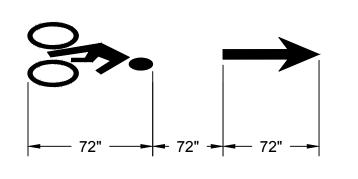
BIKE YIELD TO PED MARKING











BICYCLE LANE MARKING
NOT TO SCALE

TRAFFIC MANAGEMENT:

- 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 CITY APPROVAL.
- 3. ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED UPON THE CITY'S REQUEST.
- 4. ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROPERLY SECURED.
- 5. ALL DRUMS NOT OTHERWISE SPECIFIED SHALL BE EQUIPPED WITH TYPE "C" -STEADY BURN WARNING LIGHTS.
- 6. TEMPORARY TRAFFIC LANES WITHIN THE WORK ZONE SHALL BE A MINIMUM OF 10 FEET.
- 7. ADVISORY SPEED LIMITS SHALL BE POSTED AS DIRECTED BY THE CITY.
- 8. NON-ESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORK HOURS.
- 9. ALL TRAVEL WAYS SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS AT ALL TIMES.
- 10. TRAFFIC CONTROL INCLUDES NECESSARY STREET SWEEPING AND SNOW REMOVAL WITHIN THE WORK ZONE.
- 11. VEHICULAR AND PEDESTRIAN SHALL BE ALLOWED ACCESS TO PRIVATE PROPERTY AT ALL TIMES DURING CONSTRUCTION.
- 12. 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, VEHICULAR AND EMERGENCY TRAFFIC THROUGH WORK AREAS BOTH DURING AND AFTER WORK HOURS.
- 13. 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.
- 14. CONSTRUCTION WORK ZONE SHALL BE STAGED AS TO ALLOW FOR CONTINUOUS ACCESS AT DRIVE ENTRANCES AND TO MINIMIZE DETOURS TO CAMBRIDGE ROADS.
- 15. 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.
- 16. 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.
- 17. PEDESTRIAN WALKWAYS SHALL BE PROTECTED ALONG WORK ZONE WITH CONCRETE BARRIERS AND FENCING.
- 18. POLICE DETAILS SHALL BE SCHEDULED AND COORDINATED BY THE CONTRACTOR TO MAINTAIN THE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- 19. DETOURS SHALL ONLY BE ALLOWED AS INDICATED OR AS APPROVED BY THE CITY OF CAMBRIDGE TRAFFIC, PARKING, AND TRANSPORTATION DEPARTMENT.

ABBREVIATIONS

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

LEGEND

-	EXISTING STREET LIGHT		
	EXISTING UTILITY POLE	0	PROPOSED FLEX POST
•	EXISTING SIGN	•	PROPOSED SIGN (STEEL POST UNLESS OTHERWISE NOTED)
\bigcirc	EXISTING SIGNAL POLE		
SPEED LIMIT 25	EXISTING SIGN	SPEED LIMIT 25	PROPOSED SIGN

PAVEMENT MARKING LEGEND

BWL DWL DYCL	6" BROKEN WHITE LINE - 10' MARK, 30' SKIP 6" DASHED WHITE LINE - 2' MARK, 4' SKIP	SWCHL SYCHL	6" SOLID WHITE CHANNELIZATION LINES - 45°, 15' O.C. 6" SOLID YELLOW CHANNELIZATION LINES - 45°, 15' O.C.
SWL	6" DOUBLE YELLOW CENTER LINE 6" SOLID WHITE LINE	•	PAVEMENT ARROW - WHITE BIKE LANE PAVEMENT MARKING
SYL CW	6" SOLID YELLOW LINE	3 → →	YIELD LINE
CW	10' CROSSWALK		PROPOSED HIGH FRICTION GREEN SURFACE TREATMENT EXISTING HIGH FRICTION GREEN SURFACE TREATMENT
			LAISTING HIGHT RICTION GREEN SURFACE TREATMENT



KITTELSON

& ASSOCIATES

NASHINGTON MALL, SUITE TIOT

DIN, MA 02108

Submission Date:
07/13/2022

Drawn: Designed: JML Checked:
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PROJECT NO.

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MASSACHUSETTS AVENUE
RTER SQUARE QUICK BUILD

MASSACHUSE -Jaha PORTER SQUARI

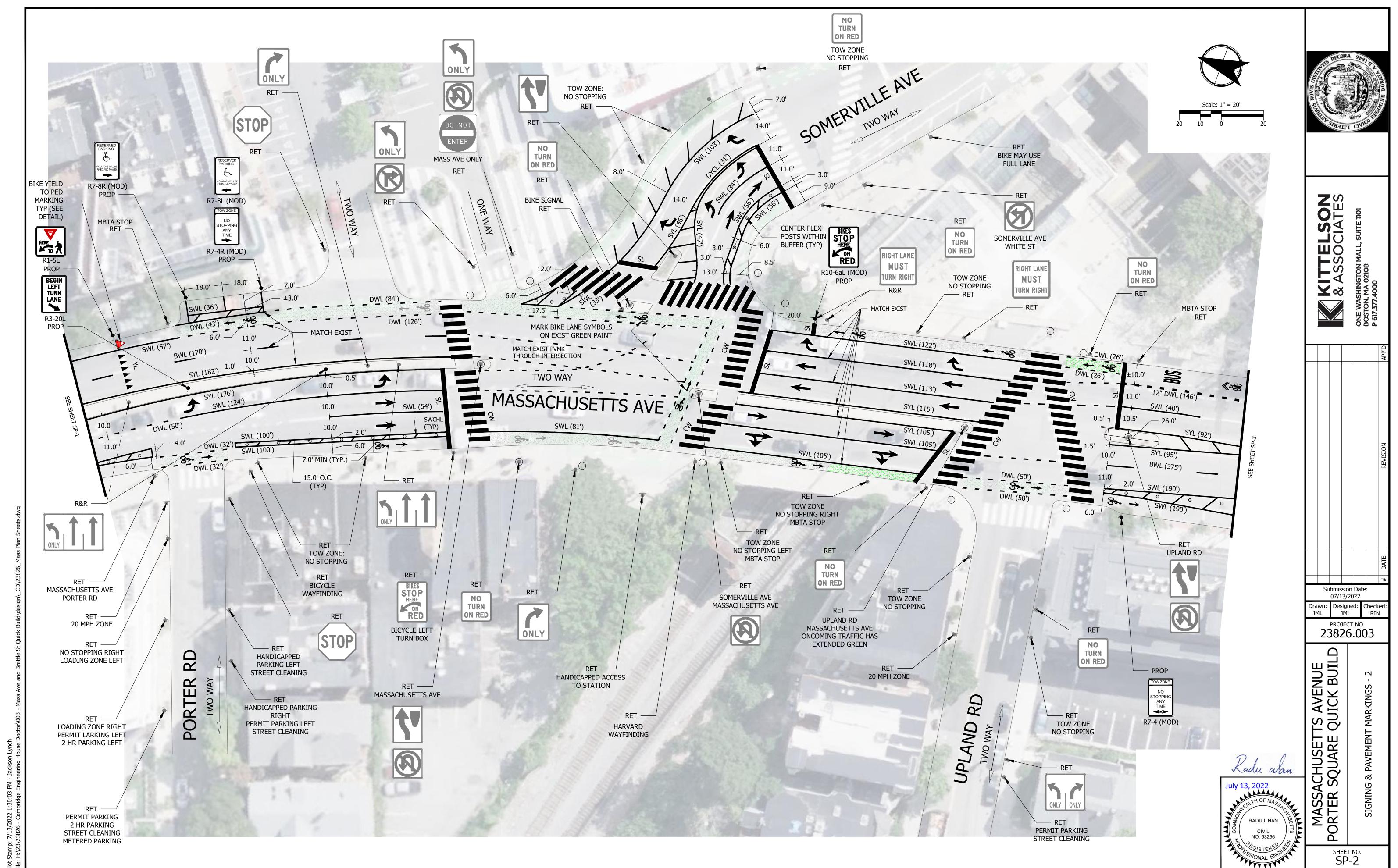
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SHEET NO. **EX-3**

SHEET NO. SP-1



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TRAFFIC SIGN SUMMARY

IDENTIFI-	SIZE OF SIGN			NUMBER OF		COLOR		POST SIZE AND	UNIT	AREA IN
CATION NUMBER	WIDTH	HEIGHT	TEXT	SIGNS REQUIRED	BACK- GROUND	LEGEND	BORDER	NUMBER REQUIRED	AREA (S.F.)	SQUARE FEET
R1-5L	36	36	TURNING VEHICLES YIELD TO PEDESTRIANS [LEFT]	2	WHITE	BLACK/ RED	BLACK	MOUNT ON 2" POST (2)	9.00	18.00
R3-20L	24	36	BEGIN LEFT TURN LANE	1	WHITE	BLACK	BLACK	MOUNT ON 2" POST (1)	6.00	6.00
R10-6a (MOD)	24	36	BIKES STOP HERE ON RED	1	WHITE	BLACK	BLACK	MOUNT ON 2" POST (1)	6.00	6.00
R7-4 (MOD)	12	18	TOW ZONE NO STOPPING ANYTIME [TWO-WAY]	6	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (4) MOUNT ON LP (2)	1.50	9.00
R7-4L (MOD)	12	18	TOW ZONE NO STOPPING ANYTIME [LEFT]	3	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (3)	1.50	4.50
R7-4R (MOD)	12	18	TOW ZONE NO STOPPING ANYTIME [RIGHT]	3	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (3)	1.50	4.50
R7-6-VL	12	18	TOW ZONE NO PARKING VALET ONLY 24 HOURS [LEFT]	1	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (1)	1.50	1.50
R7-6-VR	12	18	TOW ZONE NO PARKING VALET ONLY 24 HOURS [RIGHT]	1	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (1)	1.50	1.50
R7-6-15L	12	18	TOW ZONE NO PARKING LOADING ZONE 15 MIN LIMIT [LEFT]	1	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (1)	1.50	1.50
R7-6-15R	12	18	TOW ZONE NO PARKING LOADING ZONE 15 MIN LIMIT [RIGHT]	2	WHITE	RED/ BLACK	RED	MOUNT ON 2" POST (2)	1.50	3.00
R7-8L (MOD)	12	18	TOW ZONE RESERVED PARKING [LEFT]	3	WHITE	GREEN/ BLUE	GREEN	MOUNT ON 2" POST (3)	1.50	4.50
R7-8R (MOD)	12	18	TOW ZONE RESERVED PARKING [RIGHT]	3	WHITE	GREEN/ BLUE	GREEN	MOUNT ON 2" POST (3)	1.50	4.50





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