

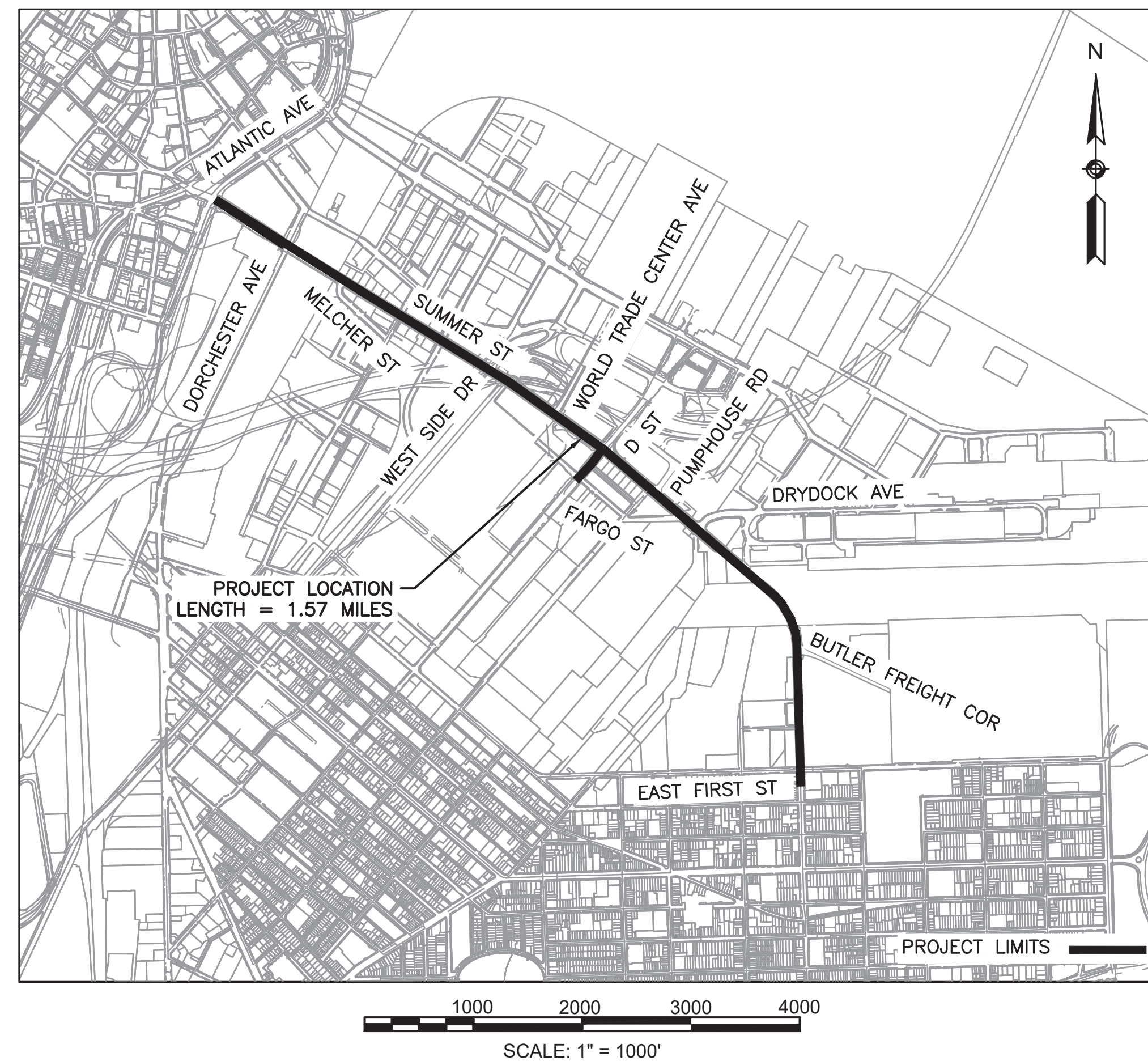
BOSTON TRANSPORTATION DEPARTMENT

SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR

BOSTON, MA

INDEX

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ALL WORK SHALL CONFORM TO THESE PLANS, THE BOSTON PUBLIC WORKS ROADWAY DESIGN STANDARDS AND SPECIAL PROVISIONS, THE BOSTON TRANSPORTATION DEPARTMENT TRAFFIC SIGNAL OPERATIONS DESIGN GUIDELINES DATED JULY 2018, THE SIGN CODE GUIDE DATED MAY 2018, THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2023, THE CONSTRUCTION STANDARD DETAILS DATED OCTOBER 2017, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (2009 EDITION) WITH MASSACHUSETTS AMENDMENTS, THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, AND ALL INTERIM REVISIONS PUBLISHED BY AASHTO. WHERE CONFLICTS EXIST, THE BOSTON TRANSPORTATION DEPARTMENT STANDARDS AND SPECIFICATIONS SHALL GOVERN.



Conor Murphy
2023.08.24 16:58:23 -0400

REVIEWED FOR GENERAL DESIGN &
CONFORMITY TO CITY STANDARDS



BOSTON TRANSPORTATION DEPARTMENT

DRAWING PREPARED BY MCMAHON



DESIGNED BY S. MCLAUGHLIN
DRAWN BY M. WEINTRAUB
CHECKED BY C. MURPHY
APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
TITLE SHEET & INDEX
SUMMER STREET
BOSTON

AREA: 3
DISTRICT: 5
SCALE: 1" = 1000'

DATE: 8/25/2023

PS&E SUBMISSION

GENERAL NOTES

- NOTE:
1. THESE PLANS DEPICT IN SCHEMATIC FORM THE APPROACH TO THE LAYOUT AND PLANNING OF THE WORK SHOWN ON THE PLANS. THIS PLAN CONTAINS NO EXPRESS OR IMPLIED REPRESENTATIONS AS TO THE CONSTRUCTABILITY OF ANY ASPECT OF THE WORK. THE CONSTRUCTION CONTRACTOR REMAINS EXCLUSIVELY RESPONSIBLE FOR THE PLANNING, MEANS, METHODS, SEQUENCES, PROCEDURES AND EXECUTION OF THE WORK, AND FOR THE PROPER AND TIMELY IMPLEMENTATION OF ALL INCIDENTAL AND/OR REQUIRED SAFETY PRECAUTIONS AND PROGRAMS. NOTHING IN THIS PLAN SHALL RELIEVE, OR OTHERWISE DIMINISH THE RESPONSIBILITY OF THE CONTRACTOR FOR THIS EXCLUSIVE RESPONSIBILITY. THE PREPARER OF THESE PLANS HAS NO RESPONSIBILITY FOR THE IMPLEMENTATION OF THE WORK SHOWN ON THE PLANS.
 2. ALL PAVEMENT MARKING LINES SHALL BE THERMOPLASTIC (UNLESS OTHERWISE NOTED) EXCEPT AS FOLLOWS: ALL GREEN PAVEMENT MARKINGS SHALL BE GREEN TRAFFIC PAINT AND ALL RED PAVEMENT MARKINGS SHALL BE RED TRAFFIC PAINT.
 3. ALL PROPOSED PARKING SIGNS SHALL BE INSTALLED AT A 30°-45° ANGLE TO THE CURB.
 4. THE MINIMUM MOUNTING HEIGHT OF POST-MOUNTED SIGNS, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE CURB OR SIDEWALK, OR TO THE ELEVATION OF THE NEAR EDGE OF THE TRAVELED WAY, SHALL BE 7 FEET UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 5. PLANS WERE PREPARED USING THE CITY OF BOSTON GIS BASE MAPPING. EXISTING CONDITIONS SHALL BE CONFIRMED IN FIELD PRIOR TO PAVEMENT MARKING AND SIGNAGE INSTALLATION. THE STATUS OF STREETS AND WAYS SHOWN ARE BASED UPON RECORD INFORMATION AND WAS NOT DETERMINED AS PART OF THIS DESIGN.
 6. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE BOSTON TRANSPORTATION DEPARTMENT (BTD) SIGN CODE STANDARDS, MUTCD AND MASSDOT REVISIONS.
 7. CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS AND SHALL BAG OR REMOVE SIGNAGE THAT CONFLICTS WITH CONSTRUCTION PERIOD TRAFFIC PATTERNS; ALL WITH THE APPROVAL OF THE ENGINEER.
 8. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN, TO THE MAXIMUM EXTENT POSSIBLE, ACCESSIBLE SPACES, PEDESTRIAN AND BICYCLE PATH OF TRAVEL, AND BUS STOP ACCESS WHERE VEHICULAR TRAFFIC IS ALSO PERMITTED, OTHERWISE PROVIDING SAFE, REASONABLE, AND CONTINUOUS DETOURING AT THE ENGINEER'S DISCRETION.
 9. BOSTON TRANSPORTATION DEPARTMENT METER SHOP SHALL TURN OFF AFFECTED METERS REMOTELY. CONTRACTOR SHALL BAG OR REMOVE ANY METERS IMPACTED BY PROPOSED RESTRICTIONS.
 10. EXISTING CROSSWALK, STOP LINE, LANE DESIGNATION ARROWS, AND ONLY TEXT PAVEMENT MARKINGS SHALL BE REPAINTED AS NEEDED PER THE ENGINEER AS SHOWN ON PLANS.
 11. PROPOSED SIGNAL EQUIPMENT TO BE INSTALLED SHALL NOT IMPEDE, OBSTRUCT OR NARROW PEDESTRIAN PATHWAYS LESS THAN 4 FEET.
 12. ANY HP-DV ACCESSIBLE SPACES NOT SPECIFICALLY INDICATED IN THE PLANS WHICH ARE TO BE AFFECTED, RELOCATED, OR REMOVED AS PART OF THE PROJECT SHALL BE BROUGHT TO THE COMMISSION FOR PERSONS WITH DISABILITIES FOR REVIEW AND APPROVAL.

PAVEMENT MARKING LEGEND

EXISTING	PROPOSED	
	SWL	6" SOLID WHITE LINE
	12" SWL	12" SOLID WHITE LINE (BUS LANE)
	SYL	6" SOLID YELLOW LINE
	BWLL	6" BROKEN WHITE LANE LINE 10' MARK - 30' SKIP
	DWLL	6" DOTTED WHITE LANE LINE 2' MARK - 4' SKIP
	12" DWLL	12" DOTTED WHITE LANE LINE (BUS LANE) 2' MARK - 4' SKIP
	SYLEx	6" SOLID YELLOW EDGE LINE EXTENSION 2' MARK - 4' SKIP
	SYCHL	8" SOLID YELLOW CHANNELIZATION LINE
	DYCL	2-4" YELLOW CENTER LINES, 4" GAP
	SL	WHITE STOP LINE (12" UNLESS OTHERWISE SPECIFIED)
	CW	WHITE - CROSS WALK (12" LINES, 4' O.C.; 12" LONGITUDINAL LINES, 4' O.C.) (UNLESS OTHERWISE SHOWN)
	SWCHL	8" SOLID WHITE CHANNELIZATION (20' O.C. @ 45'). 8" SOLID WHITE CHANNELIZATION (10' O.C. @ 45').
		VEHICLE LANE WHITE PAVEMENT ARROW AND LEGEND
		BIKE LANE WHITE PAVEMENT ARROW AND LEGEND
		COLORIZED PAVEMENT FOR BIKES - GREEN TRAFFIC PAINT
		COLORIZED PAVEMENT FOR BUSES - RED TRAFFIC PAINT
		PROPOSED OR RELOCATED SIGN

TRAFFIC SIGNAL LEGEND

REMOVE/ABANDON	EXISTING (TO REMAIN)	PROPOSED	DESCRIPTION
			CONTROLLER CABINET
			SIGNAL POST
			MAST ARM
			VEHICULAR SIGNAL
			PEDESTRIAN SIGNAL
			PAN TILT ZOOM CAMERA
			PEDESTRIAN PUSH BUTTON
			PULL BOX
			CONDUIT
			SYSTEM DETECTOR
			360 DEGREE DETECTION CAMERA

ABBREVIATIONS

ABAN	ABANDON
ADJ	ADJUST
B.O.	BY OTHERS
C.I.T.	CHANGE IN TYPE
D.I.P.	DUCTILE IRON PIPE
EX	EXISTING
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
LP	LIGHT POLE
MA	MAST ARM
MOD	MODIFY
MT	MOUNT
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
PROP	PROPOSED
R&D	REMOVE AND DISCARD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R&T	REMOVE AND TRANSPORT
R.C.P.	REINFORCED CONCRETE PIPE
REM	REMOVE
RET	RETAIN
TEMP	TEMPORARY
TS	TRAFFIC SIGNAL
TYP	TYPICAL
UP	UTILITY POLE

STREET FURNITURE LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGN POST
		STREET LIGHT
		HYDRANT
		MAILBOX
		FIRE ALARM BOX
		WHEELCHAIR RAMP
		MUNICIPAL TRASH/RECYCLING BIN
		TREE PIT
		BIKE RACK
		PARKING PAY STATION
		PARKING METER
		FLEXPOST



REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS

BOSTON TRANSPORTATION DEPARTMENT

DRAWING PREPARED BY MCMAHON

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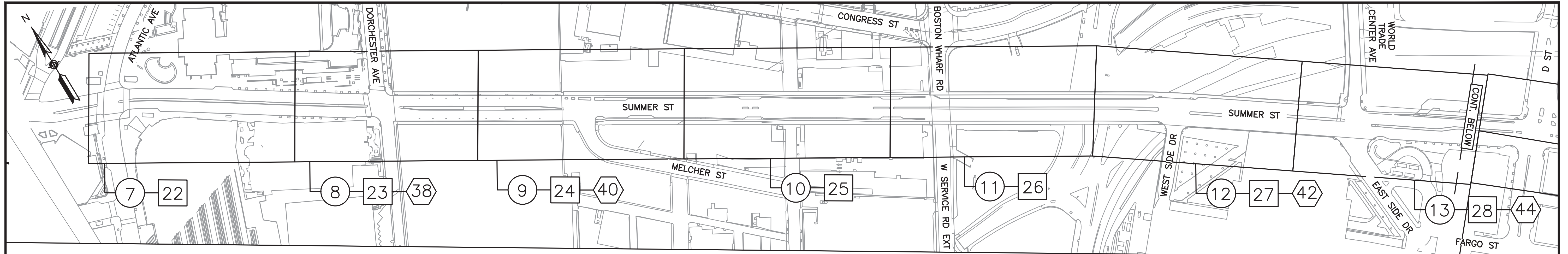
DESIGNED BY S. MCLAUGHLIN
DRAWN BY M. WEINTRAUB
CHECKED BY C. MURPHY
APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
**SUMMER STREET
GENERAL NOTES & LEGEND**
BOSTON

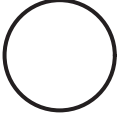
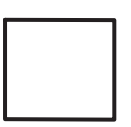

AREA: 3
DISTRICT: 5
SCALE: N/A

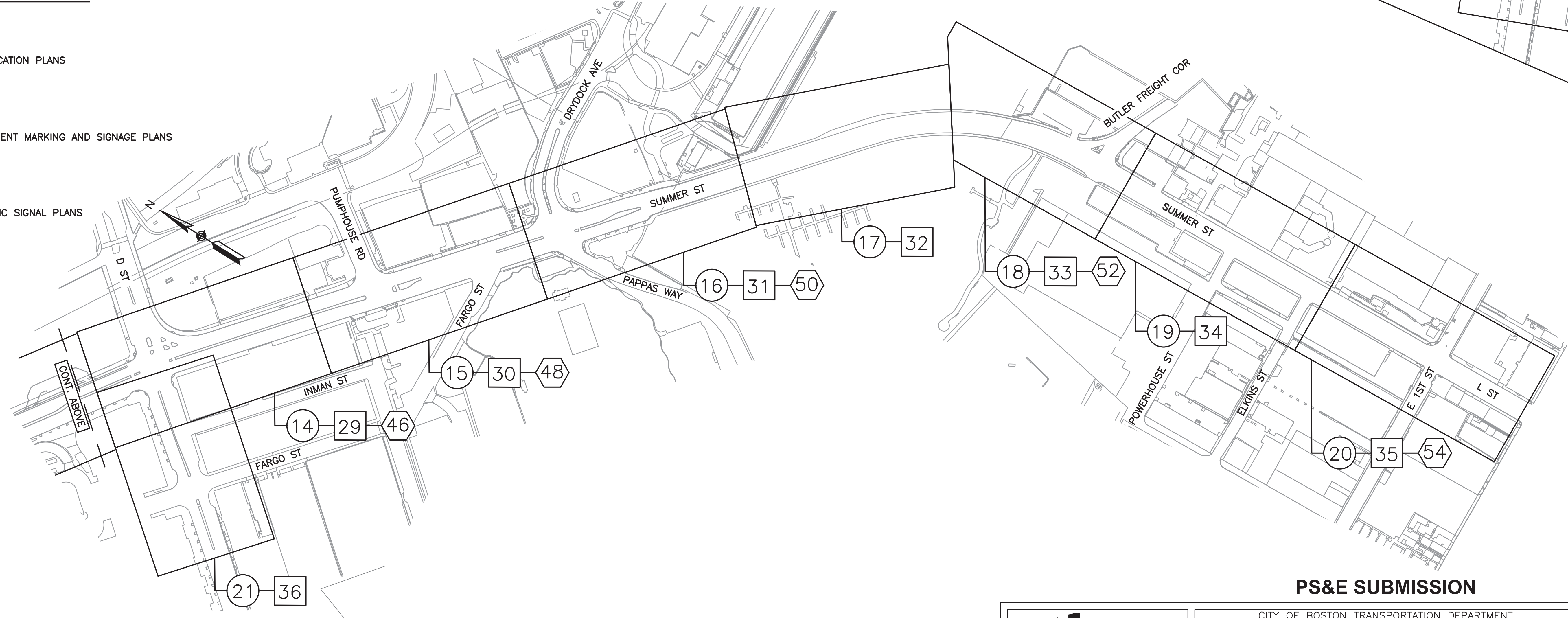
DATE: 8/25/2023

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KEY PLAN LEGEND


-  ERADICATION PLANS
-  PAVEMENT MARKING AND SIGNAGE PLANS
-  TRAFFIC SIGNAL PLANS



PS&E SUBMISSION

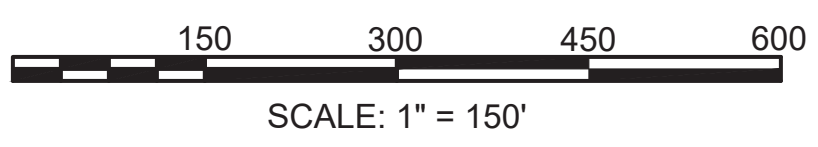
CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
**SUMMER STREET
 KEY PLAN**
 BOSTON

AREA: 3
 DISTRICT: 5
 SCALE: 1" = 150'
 DATE: 8/25/2023



BOSTON
TRANSPORTATION
DEPARTMENT

DESIGNED BY	S. MCLAUGHLIN
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APPROVED BY	C. MURPHY



REVIEWED FOR GENERAL DESIGN &
 CONFORMITY TO CITY STANDARDS

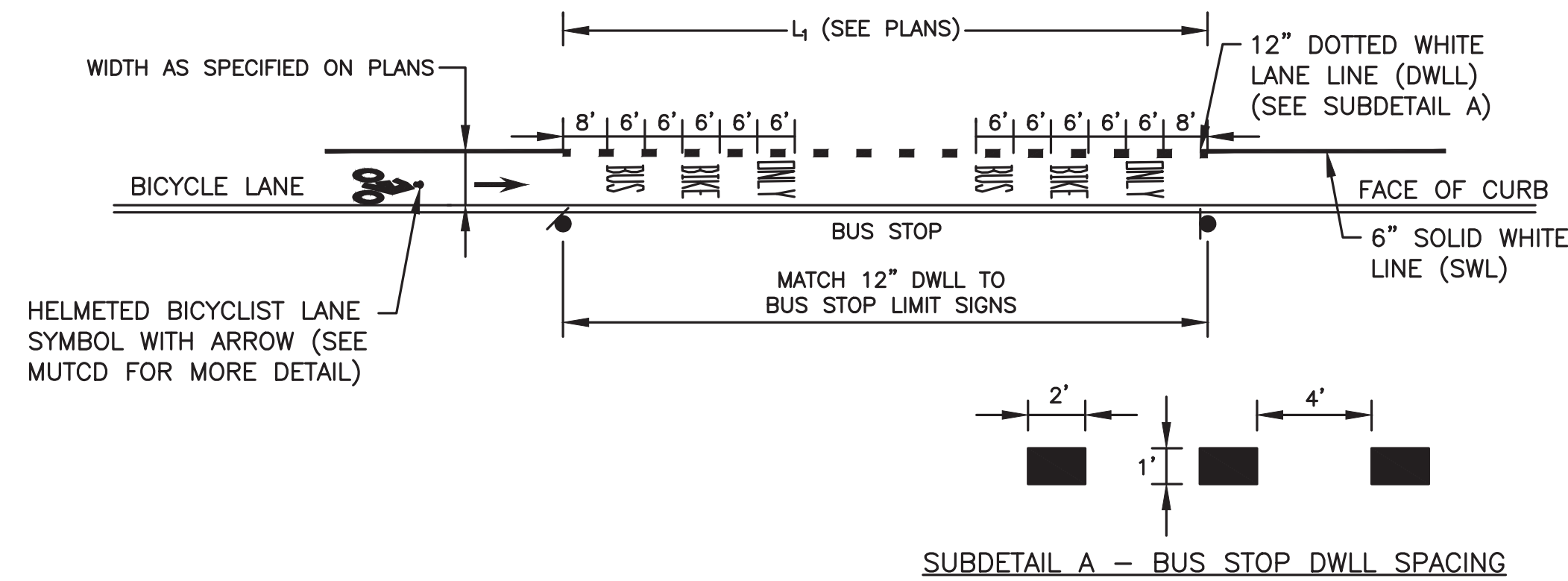


BOSTON TRANSPORTATION DEPARTMENT

DRAWING PREPARED BY MCAHON

NOTES:

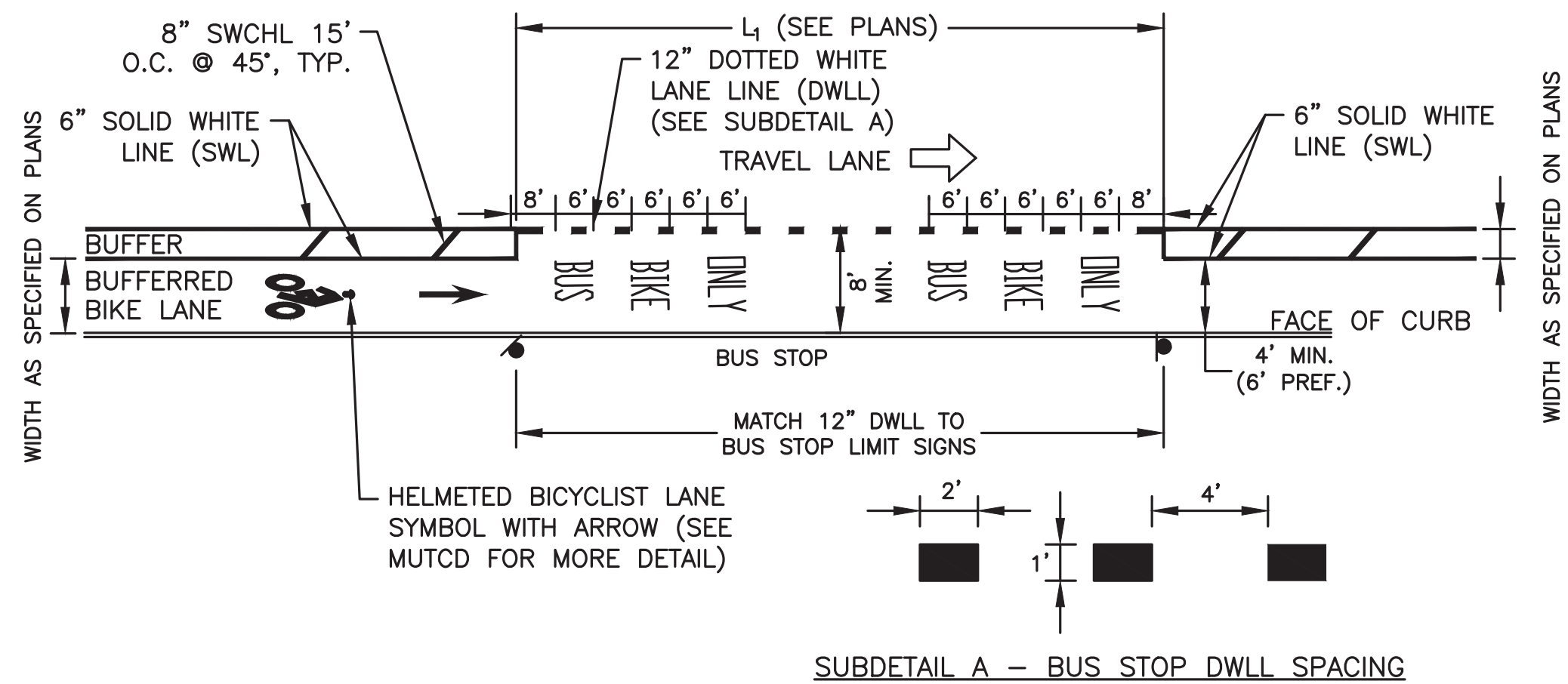
1. MATCH EDGE OF LANE LINES TO R7-107aR & R7-107bL SIGNS (SEE TRAFFIC SIGN SUMMARY). IF A BUS STOP LIMIT SIGN DOES NOT EXIST, USE DIMENSIONS SHOWN ON PLANS.
2. ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
3. DESIGN PLAN SHOULD BE CONSULTED FOR VARIATIONS.
4. LEGEND DIMENSIONS FOR BUS STOP LENGTHS GREATER THAN 100'.



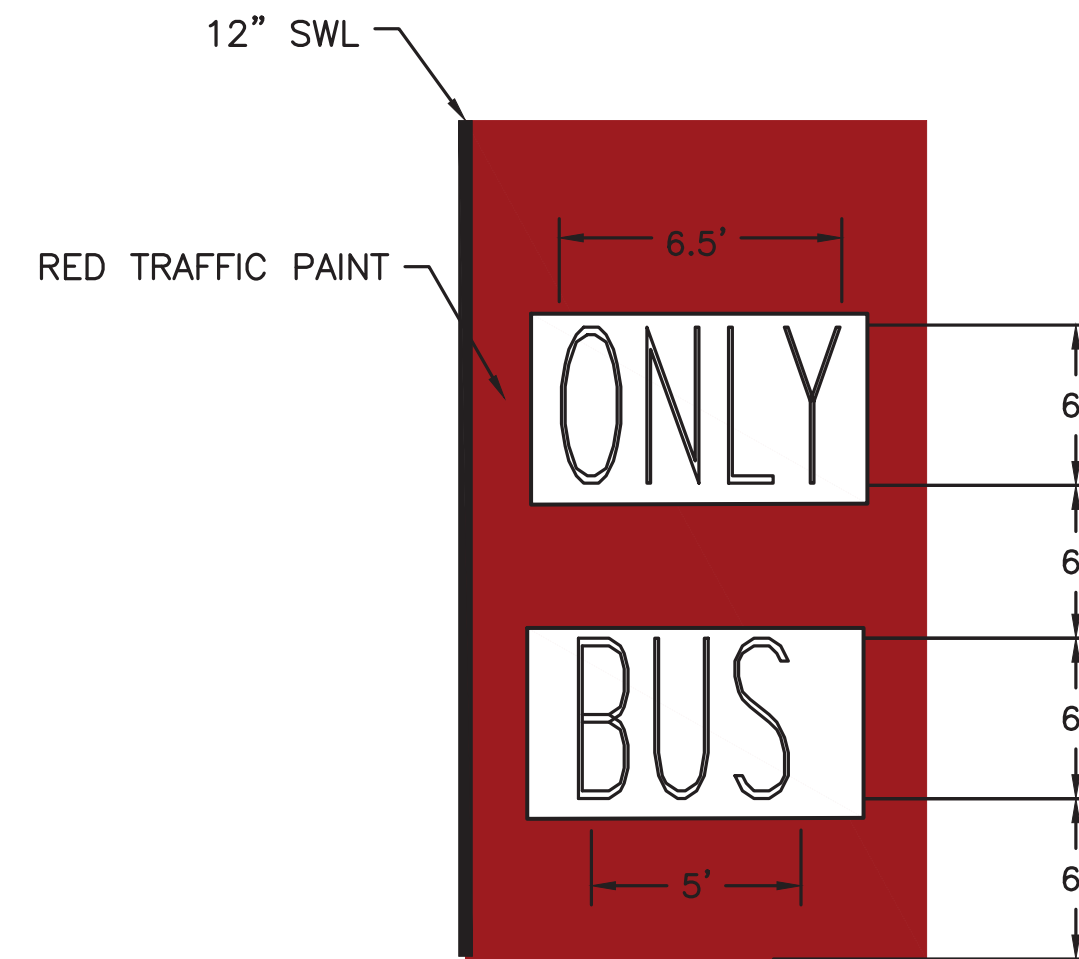
BIKE LANE THROUGH BUS STOP DETAIL - BTD SPEC A707
NOT TO SCALE

NOTES:

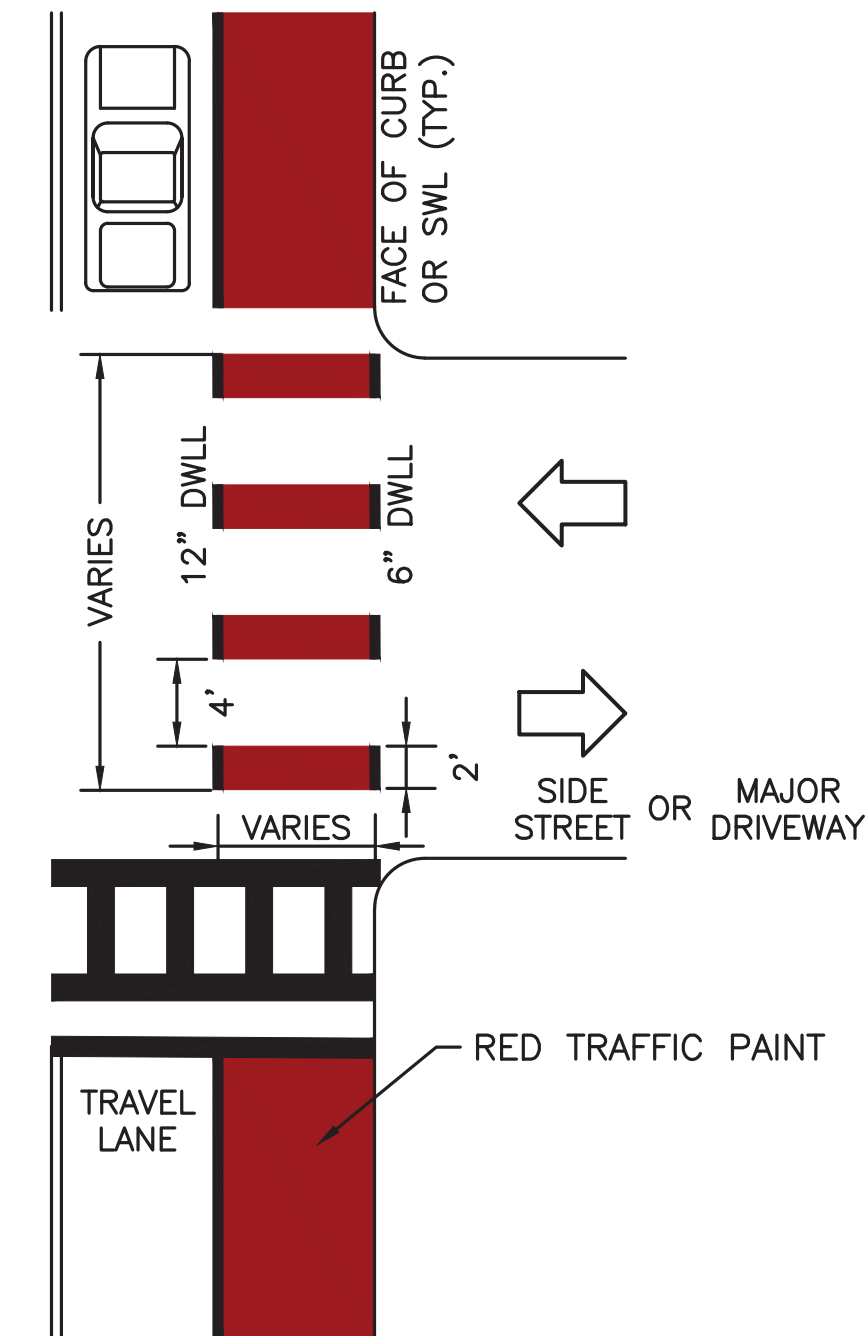
1. MATCH EDGE OF LANE LINES TO BUS STOP LIMIT SIGNS (I.E. SIGN WITH ARROW IN ONE DIRECTION). IF A BUS STOP LIMIT SIGN DOES NOT EXIST, USE DIMENSIONS SHOWN ON PLANS.
2. ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
3. DESIGN PLAN SHOULD BE CONSULTED FOR VARIATIONS.
4. LEGEND DIMENSIONS FOR BUS STOP LENGTHS GREATER THAN 100'.



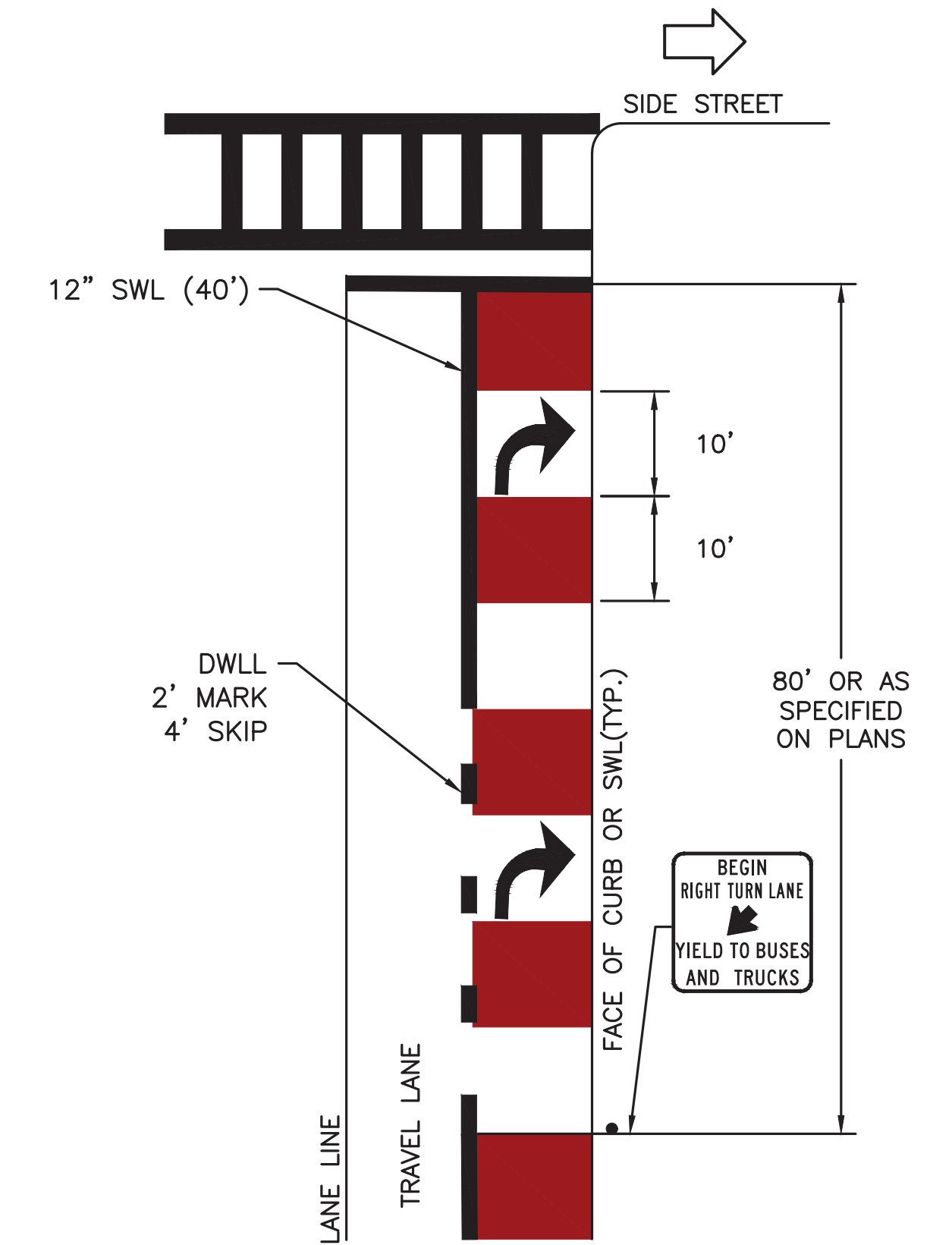
BUFFERED BIKE LANE THROUGH BUS STOP DETAIL - BTD SPEC A708
NOT TO SCALE



BUS-TRUCK LANE LEGEND DETAILS
NOT TO SCALE



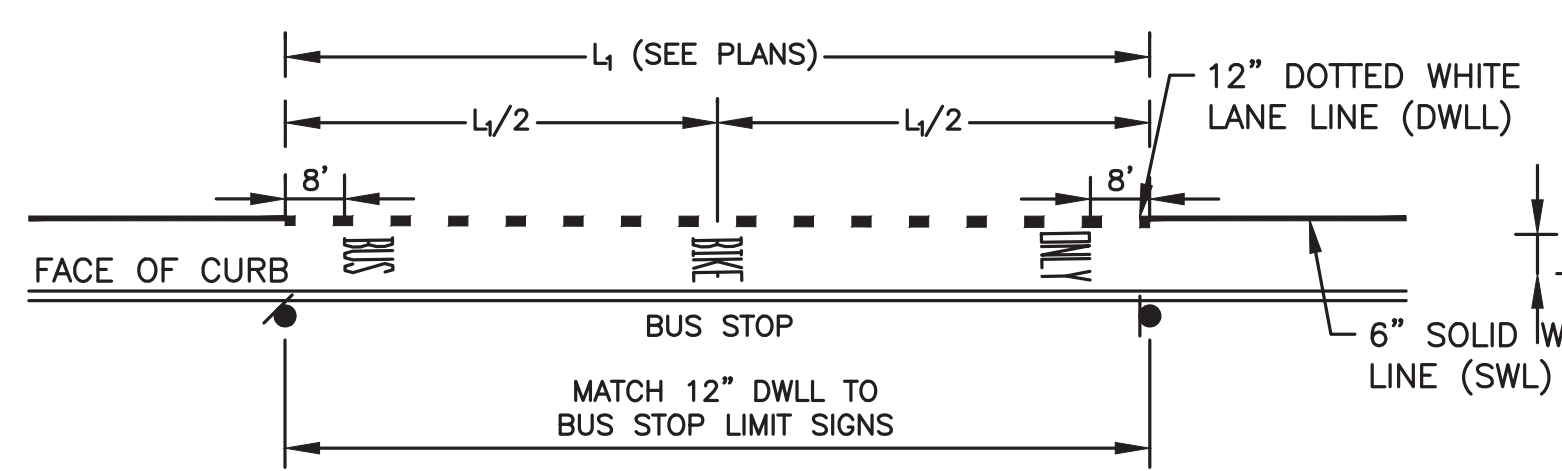
BUS-TRUCK LANE INTERSECTION TREATMENT
NOT TO SCALE



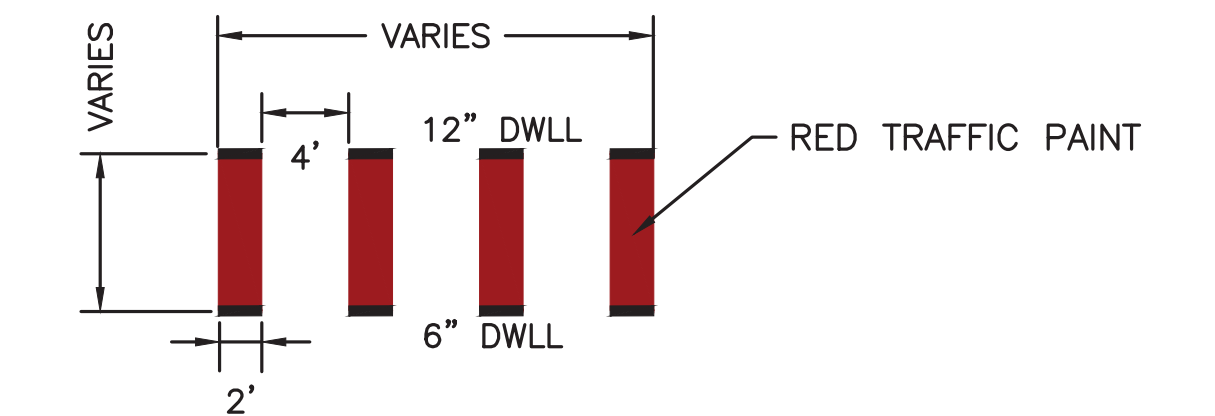
SHARED BUS-TRUCK LANE RIGHT TURN LANE MARKING
NOT TO SCALE

NOTES:

1. LEGEND DIMENSIONS FOR BUS STOP LENGTHS LESS THAN 100'.



BUS STOP LEGEND DETAIL
NOT TO SCALE



BUS-TRUCK LANE MERGE ZONE TREATMENT
NOT TO SCALE



REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS

BOSTON TRANSPORTATION DEPARTMENT



DESIGNED BY S. MCLAUGHLIN
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APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR

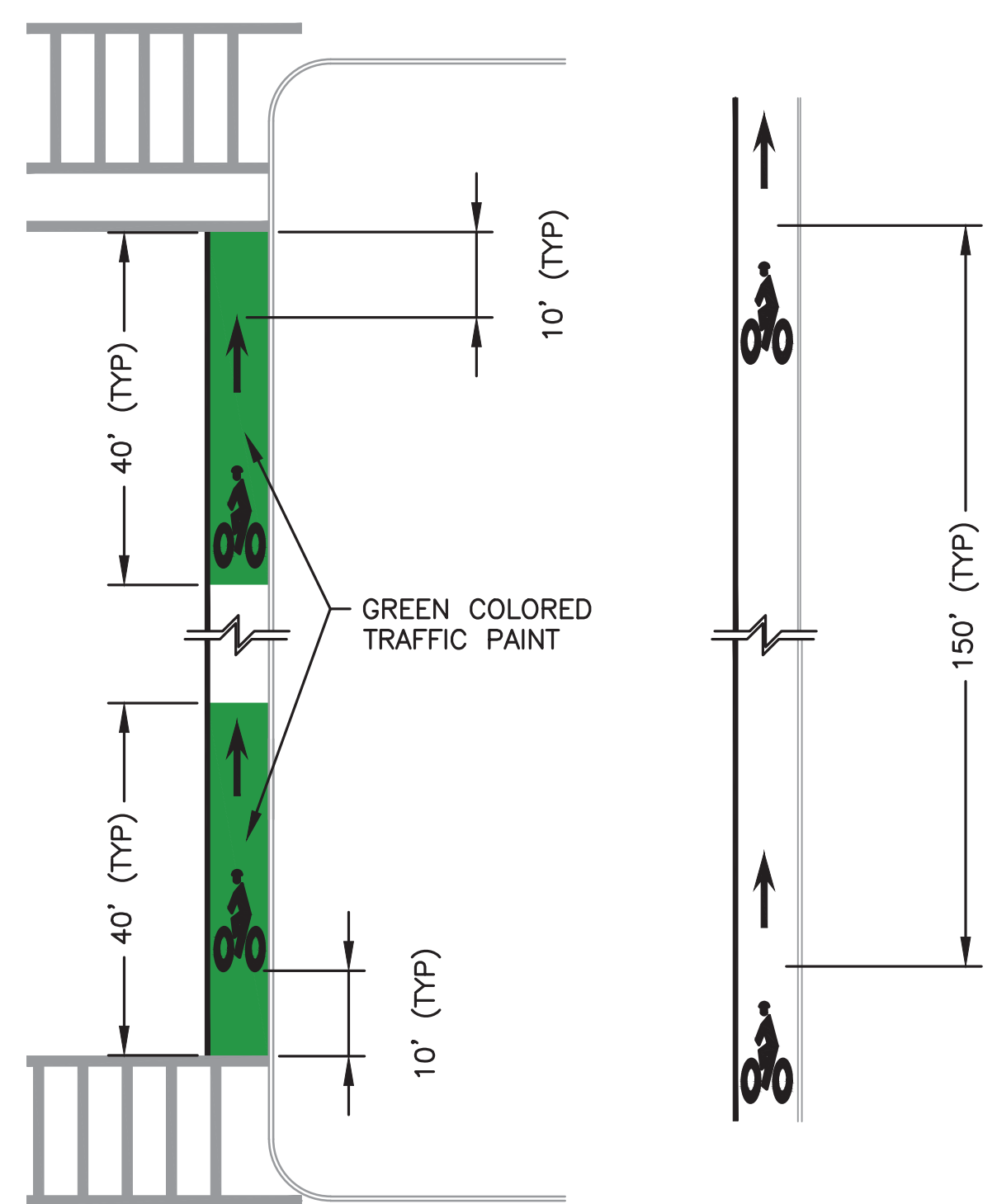
CONSTRUCTION DETAILS
SUMMER STREET

BOSTON

AREA: 3
DISTRICT: 5
SCALE: AS NOTED

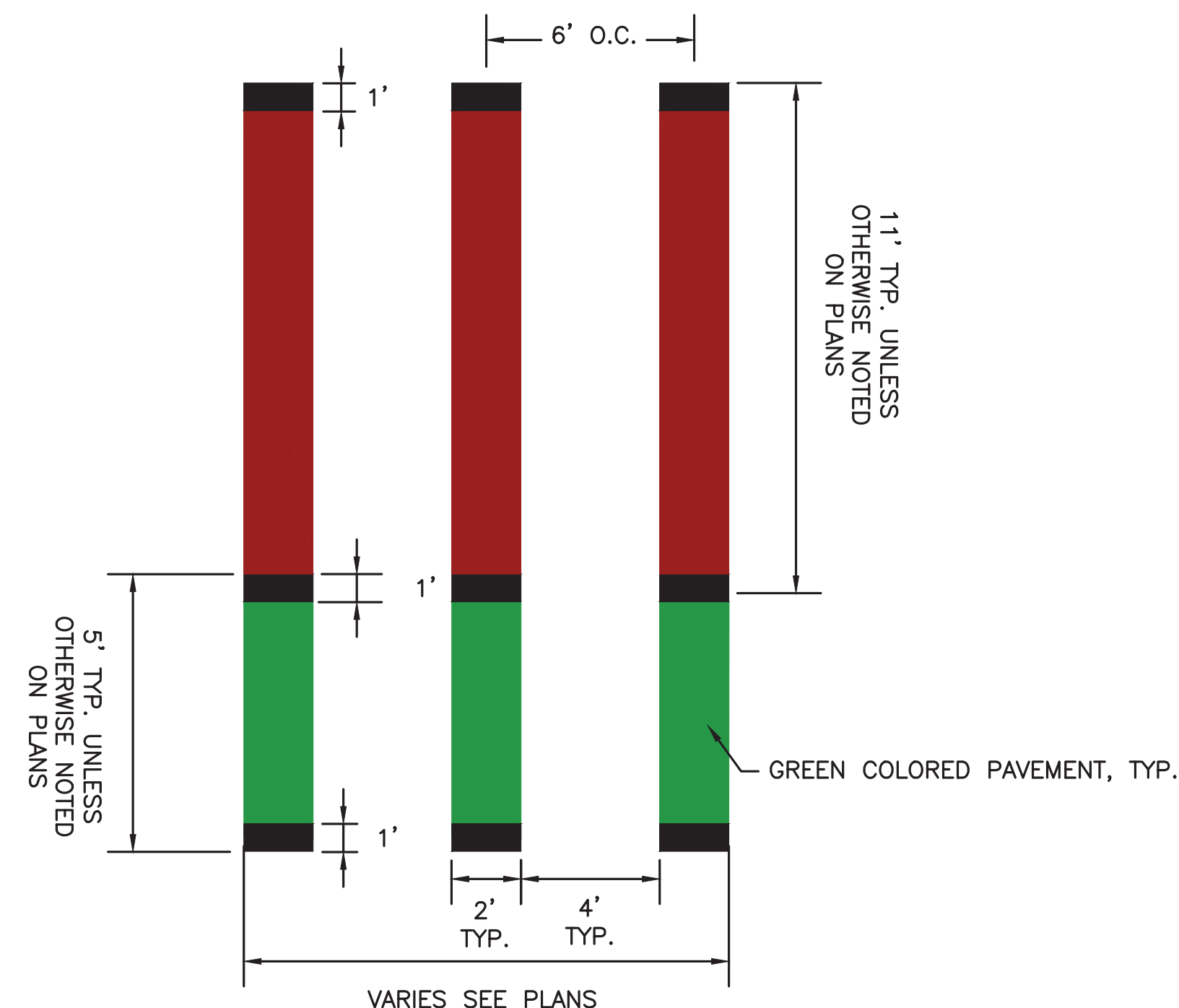
DATE: 8/25/2023

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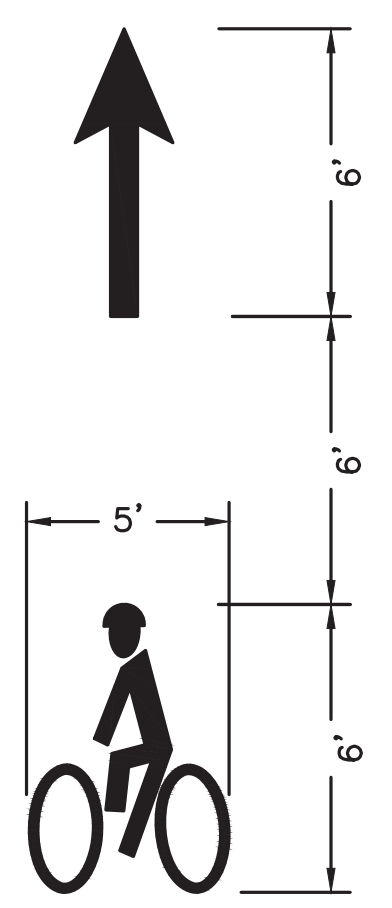
NOTES:
1. DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS

BICYCLE LANE SYMBOL SPACING DETAIL – BTD SPEC A710
NOT TO SCALE



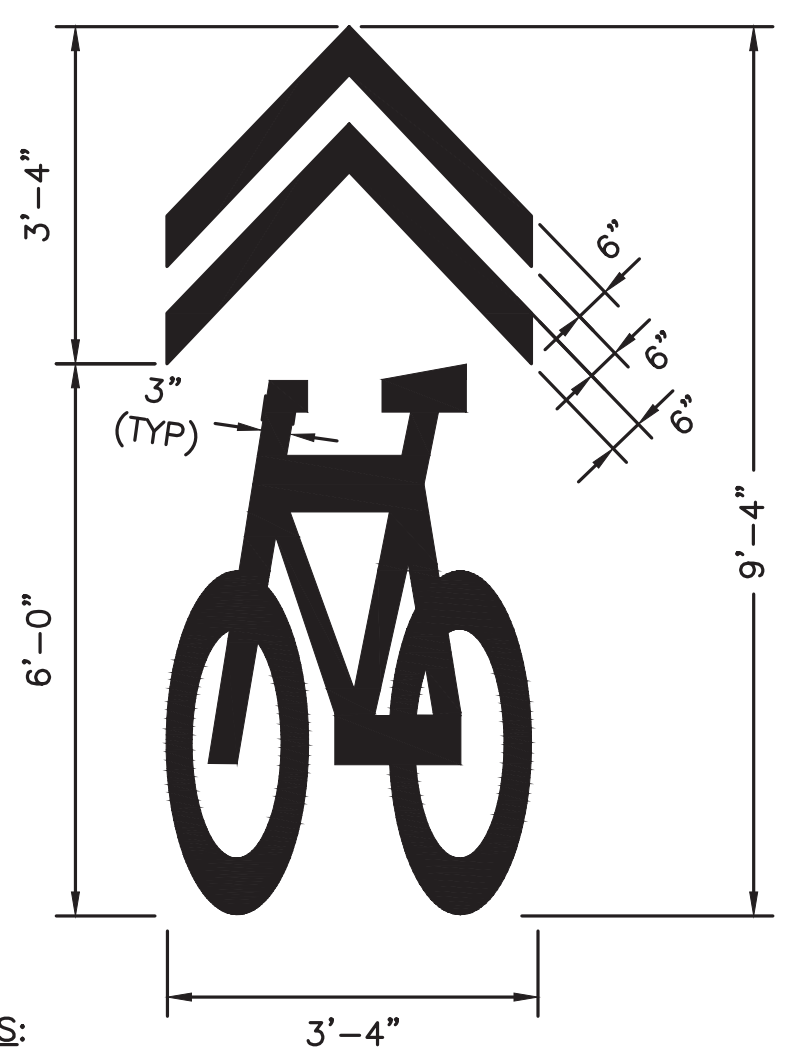
NOTES:
1. GREEN AND RED COLORED DOTTED PAVEMENT IS USED WHERE MOTOR VEHICLE TRAFFIC CAN TURN ACROSS THE BICYCLE LANE. SEE PLANS FOR LOCATIONS.
2. INSTALL GREEN AND RED COLORED PAVEMENT BETWEEN 2' DOTTED WHITE LANE LINES AS SHOWN ON PLANS.
3. INSTALL GREEN AND RED COLORED PAVEMENT SO THAT CROSSWALK MARKINGS ARE NOT DISTURBED.
4. TRAVEL LANE WIDTHS ARE AS SHOWN ON PLANS.

TYPICAL BIKE AND BUS LANE INTERSECTION TREATMENT DETAIL
NOT TO SCALE



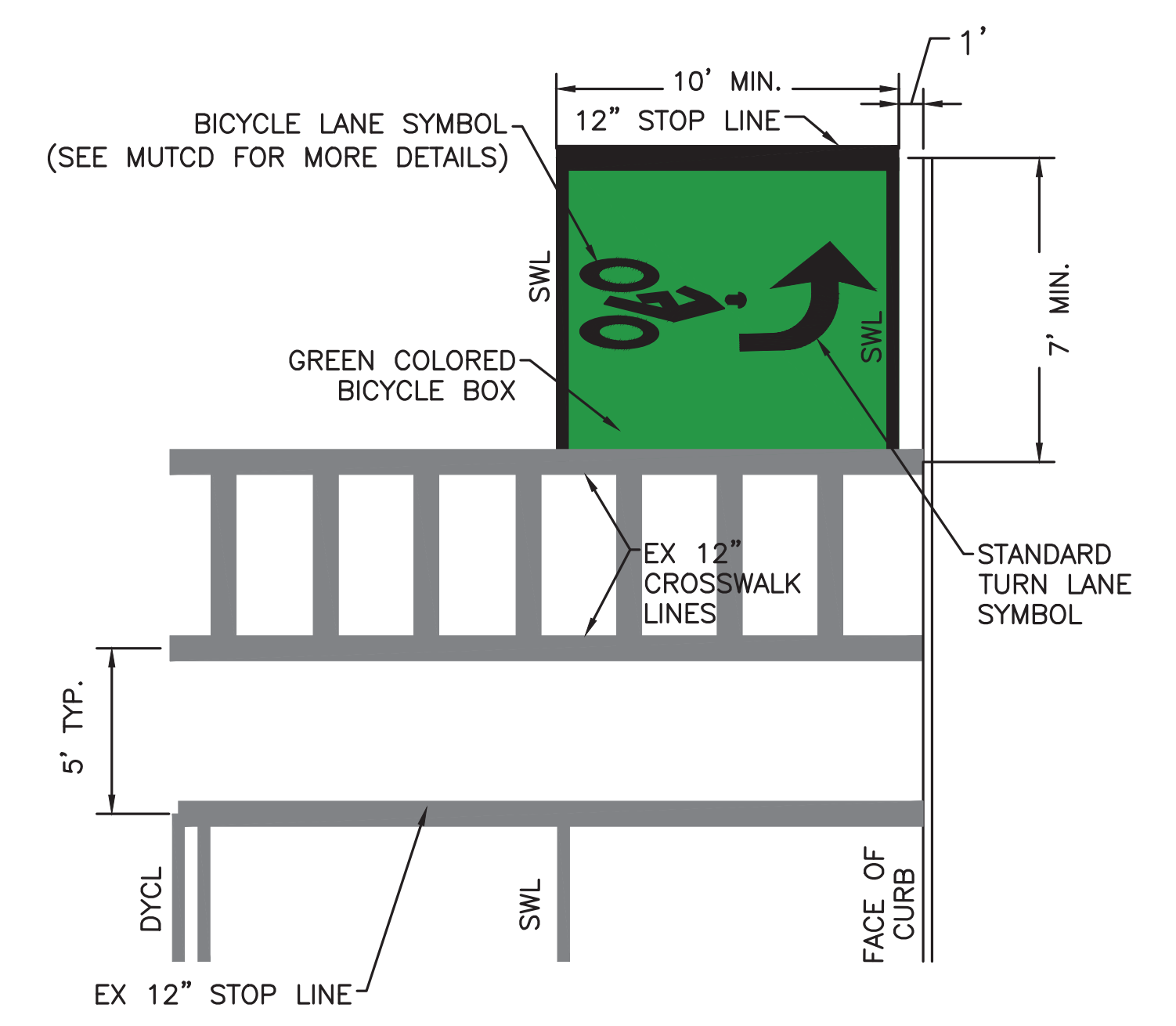
NOTES:
1. BIKE LANE PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
2. DO NOT PLACE SYMBOL ON LANE LINES.
3. PLACE BICYCLE LANE SYMBOLS WITHIN CENTER OF BICYCLE LANE.
4. SEE PLAN SHEETS FOR SYMBOL LOCATIONS.
5. DO NOT PLACE SYMBOL WITHIN DASHED LINES.
6. SEE MUTCD FOR MORE DETAILS ON BICYCLE LANE SYMBOL.

BICYCLE LANE PAVEMENT LEGEND DETAIL
NOT TO SCALE



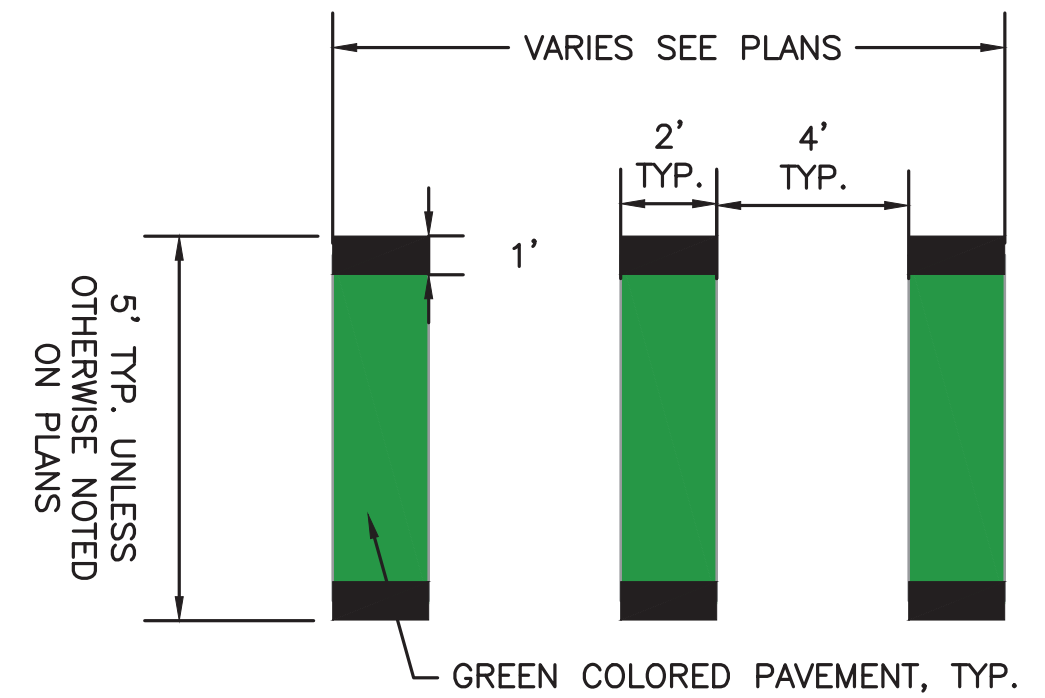
NOTES:
1. REFER TO FIGURE 9C-9 IN THE MUTCD FOR MORE DETAIL.
2. SHARED LANE MARKINGS SHALL BE THERMOPLASTIC.
3. WHERE USED IN SHARED BUS BIKE LANES, SHARED LANE MARKINGS SHALL BE CENTERED IN THE LANE.
4. DO NOT PLACE SYMBOLS ON LANE LINES.
5. SEE PLANS FOR SYMBOL LOCATIONS

SHARED LANE PAVEMENT LEGEND DETAIL
NOT TO SCALE



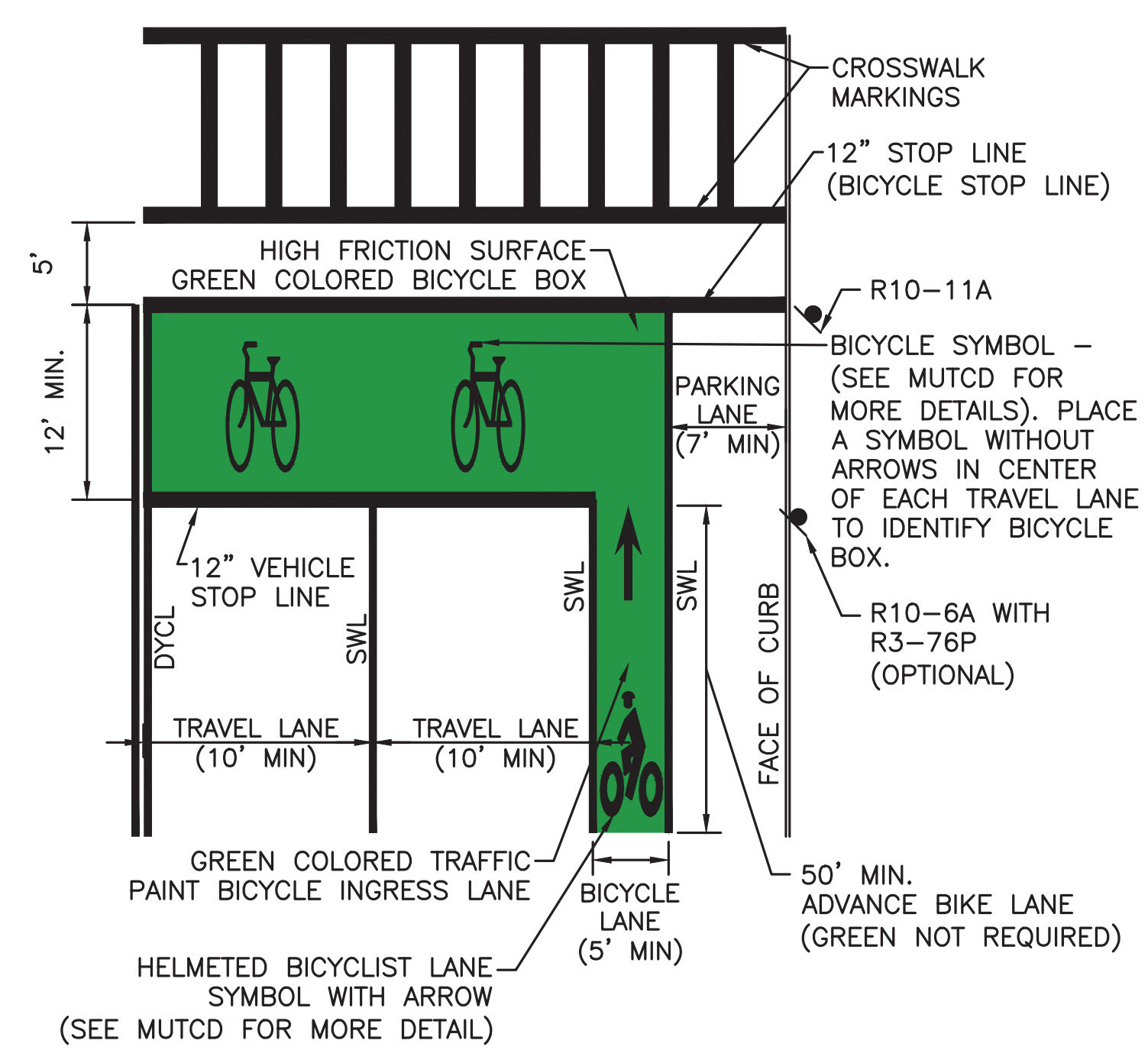
NOTES:
1. PLACE LEFT-TURN QUEUE BOX BEHIND PATH OF CROSS STREET TRAFFIC OF THE INTERSECTING STREET.
2. DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS.

TWO STAGE BIKE BOX DETAIL – BTD SPEC A713
NOT TO SCALE



NOTES:
1. GREEN COLORED DOTTED PAVEMENT IS USED WHERE MOTOR VEHICLE TRAFFIC CAN TURN ACROSS THE BICYCLE LANE. SEE PLANS FOR LOCATIONS.
2. INSTALL GREEN COLORED PAVEMENT BETWEEN 2' DOTTED WHITE LANES LINES AS SHOWN ON PLANS.
3. INSTALL GREEN COLORED PAVEMENT SO THAT CROSSWALK MARKINGS ARE NOT DISTURBED.
4. TRAVEL LANE WIDTHS ARE AS SHOWN ON PLANS.

TYPICAL BIKE LANE INTERSECTION TREATMENT – BTD SPEC A711
NOT TO SCALE



NOTES:
1. ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
2. DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS.
3. NO PARKING WITHIN 20' OF STOP BAR.

TYPICAL BIKE BOX DETAIL – BTD SPEC A712
NOT TO SCALE



REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS

DRAWING PREPARED BY MCAHON



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APPROVED BY C. MURPHY

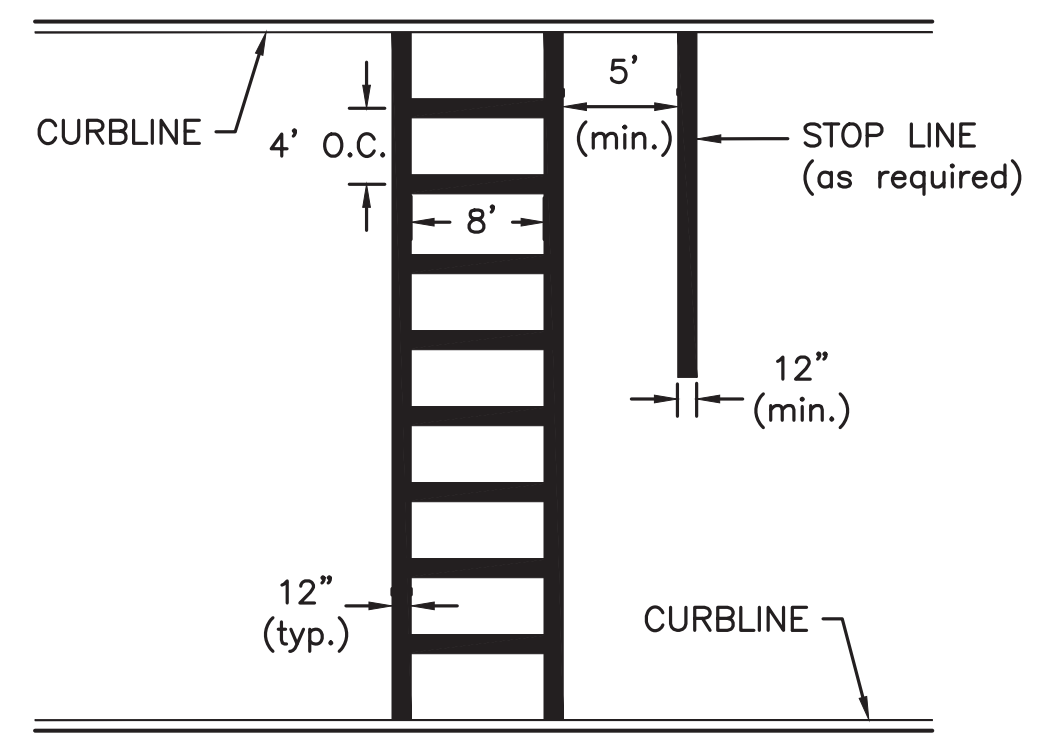
CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
CONSTRUCTION DETAILS
SUMMER STREET
BOSTON

AREA: 3
DISTRICT: 5
SCALE: AS NOTED

DATE: 8/25/2023

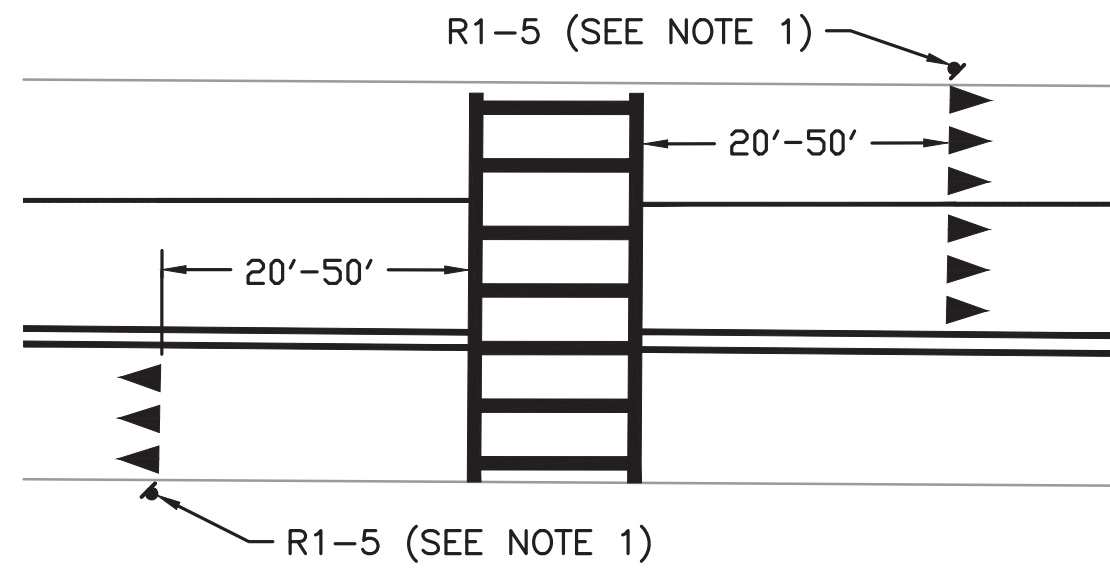
PS&E SUBMISSION

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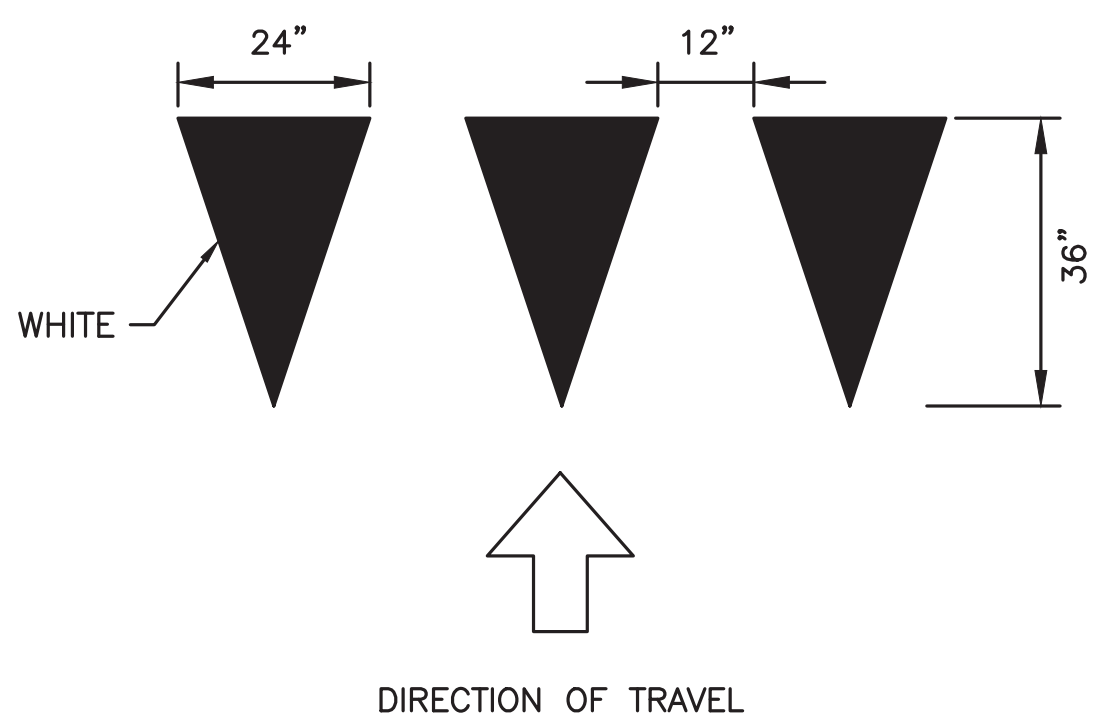
- NOTES:**
- ALL TWELVE INCH (12") THERMOPLASTIC LINES SHALL BE APPLIED IN ONE (1) APPLICATION, NO COMBINATION OF LINES (I.E. TWO 6" LINES) WILL BE ACCEPTED.
 - LAYOUT OF CROSSWALKS SHALL BE APPROVED BY A BOSTON TRANSPORTATION DEPARTMENT (BTD) ENGINEER PRIOR TO THERMOPLASTIC BEING APPLIED.
 - ALL CROSSWALKS INSTALLED SHALL CONFORM TO ALL RELEVANT PROVISIONS OF THE MASSACHUSETTS HIGHWAY DEPARTMENT "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES" DATES 1988, SECTION 860 REGARDING REFLECTORIZED PAVEMENT MARKINGS & MATERIAL M7.01.20, LATEST REVISIONS.
 - "SPECIAL EMPHASIS" CROSSWALKS SHALL BE INSTALLED AT THE DIRECTION OF A BOSTON TRANSPORTATION DEPARTMENT ENGINEER ONLY.

SPECIAL EMPHASIS CROSSWALKS DETAIL – BTD SPEC A308
NOT TO SCALE



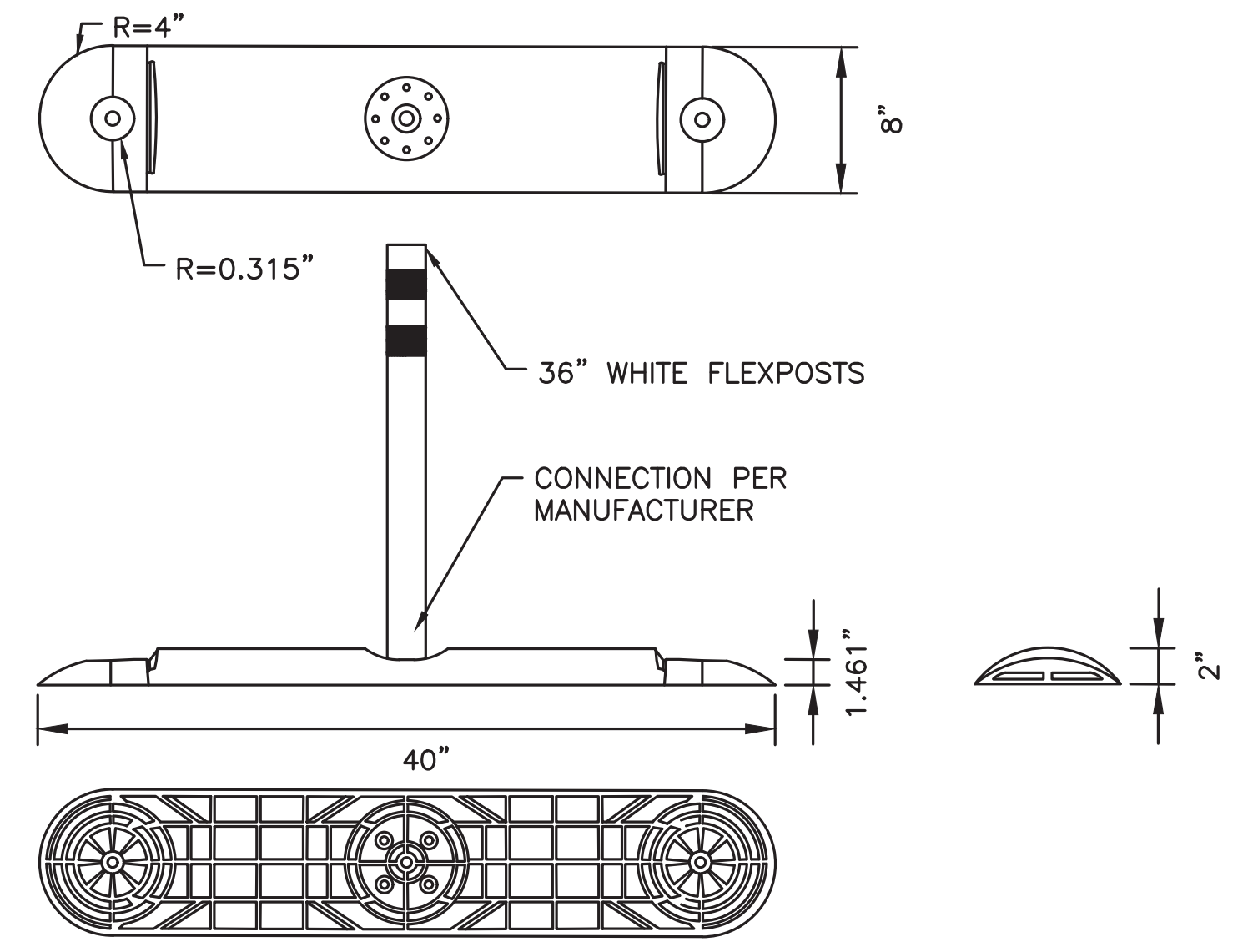
- NOTES:**
- R1-5 IS REQUIRED FOR MULTILANE APPROACHES
 - DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS

YIELD MARKINGS AT MIDBLOCK CROSSWALKS DETAIL – BTD SPEC A719
NOT TO SCALE



- NOTES:**
- SMALLER YIELD MARKINGS MAY BE USED FOR NARROW, SLOW-SPEED FACILITIES SUCH AS SEPARATED BIKE LANES. SEE BTD DETAIL NO. A718.
 - DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS

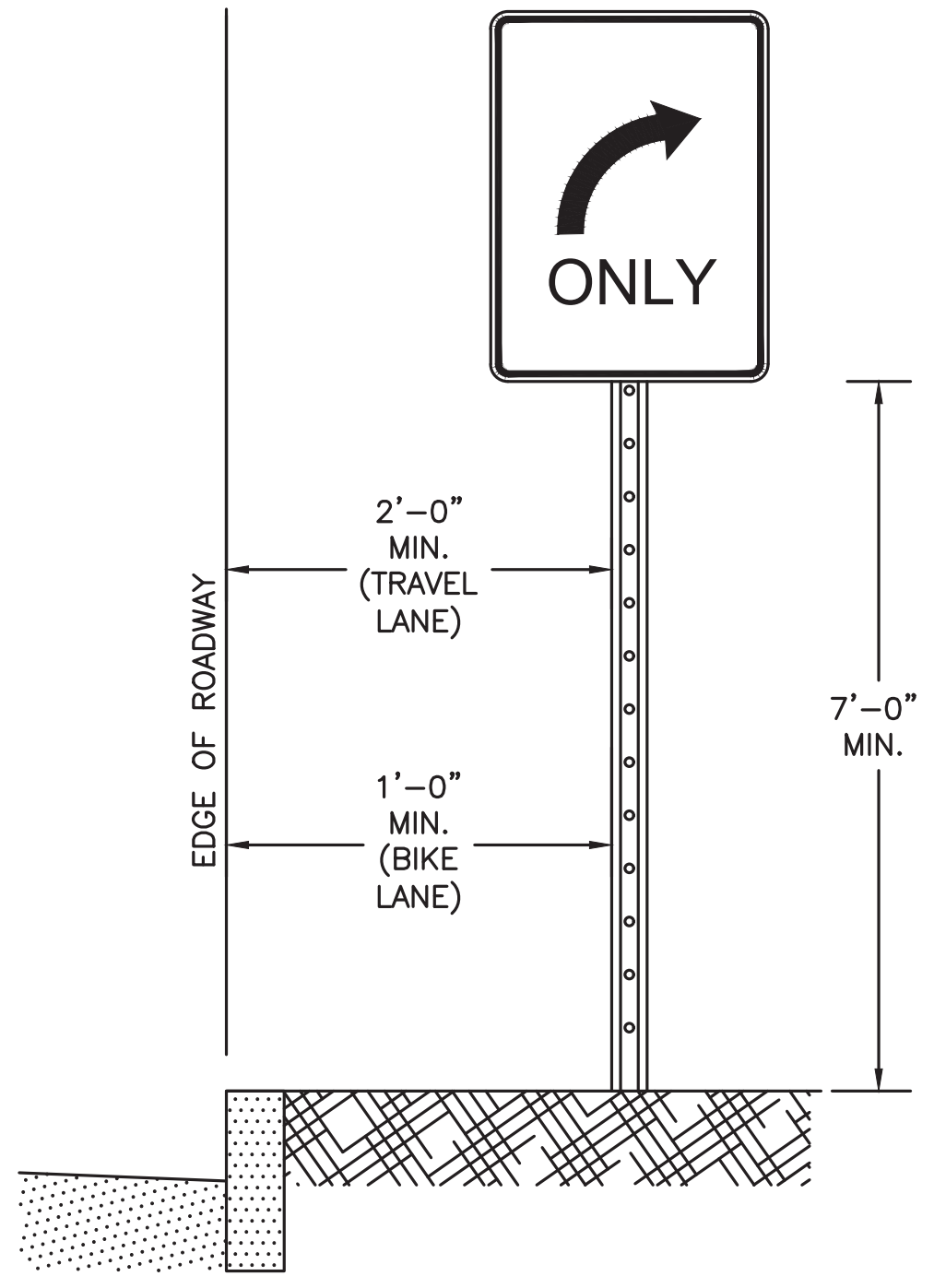
YIELD MARKINGS DETAIL – BTD SPEC A717
NOT TO SCALE



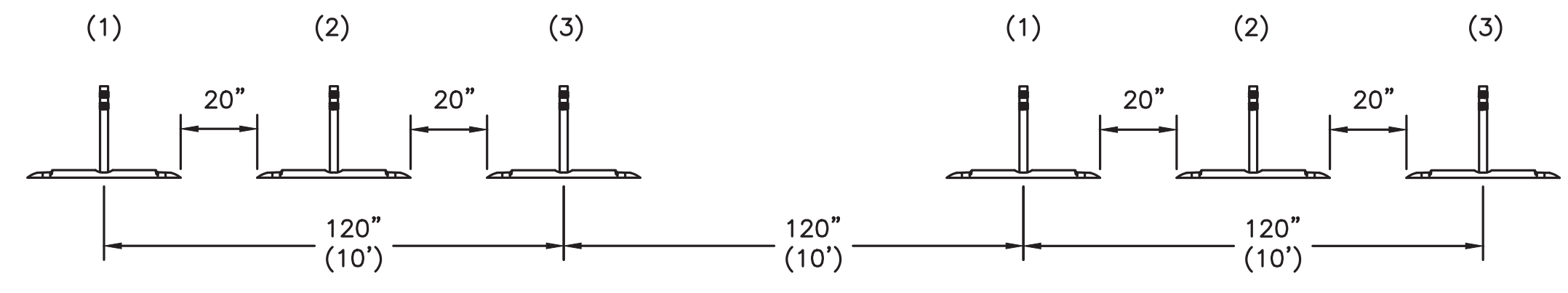
- | | |
|--|--|
| MANUFACTURING INFORMATION | INTENDED USE |
| <ol style="list-style-type: none"> INJECTION MOLDED UV STABILIZED HDPE COLOR: WHITE | <ol style="list-style-type: none"> CRASHWORTHINESS TESTED TO 2009 M.A.S.H. STANDARD |

- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - DIMENSIONS, MATERIALS, AND ATTACHMENTS MAY VARY BETWEEN MANUFACTURERS.
 - PER CITY OF BOSTON SPECS FOR IN-GROUND CORED-BASE FLEXPOST.
 - DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS.
 - IF LOCATED ON BRIDGE BASE MUST BE GLUED TO BRIDGE DECK INSTEAD OF CORED.
 - ALL INSTALLATIONS ADJACENT TO BIKE LANES MUST MEET A MINIMUM CLEARANCE OF 7.5' FROM THE EDGE OF ROADWAY/ FACE OF CURB TO THE NEAREST EDGE OF THE TRAFFIC SEPARATOR CURB BASE.

TRAFFIC SEPARATOR CURB (MODULAR BASE) DETAIL – BTD SPEC A720
NOT TO SCALE



TYPICAL INSTALLATION FOR ROADSIDE SIGNS
NOT TO SCALE



- NOTES:**
- FLEXPOSTS PLACED BETWEEN WEST SIDE DRIVE AND EAST SIDE DRIVE ADJACENT TO THE BOSTON CONVENTION AND EXHIBITION CENTER SHALL BE SPACED AS SHOWN ABOVE, WITH A SPACING OF 10' O.C. BETWEEN FLEXPOST (1) AND (3), FOR PICK-UP, DROP-OFF ACCESS TO THE CURB.

BCEC FLEXPOST SPACING DETAIL
NOT TO SCALE

PS&E SUBMISSION

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
CONSTRUCTION DETAILS
SUMMER STREET
BOSTON

DESIGNED BY	S. MCLAUGHLIN
DRAWN BY	M. WEINTRAUB
CHECKED BY	C. MURPHY
APPROVED BY	C. MURPHY

AREA: 3
DISTRICT: 5
SCALE: AS NOTED
DATE: 8/25/2023

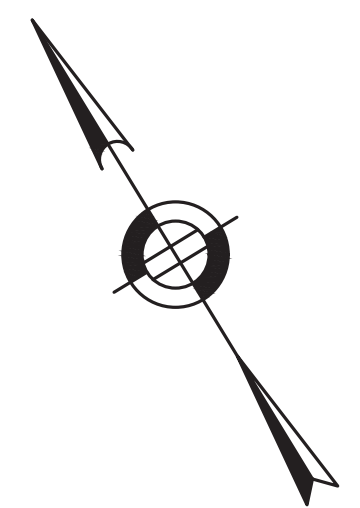


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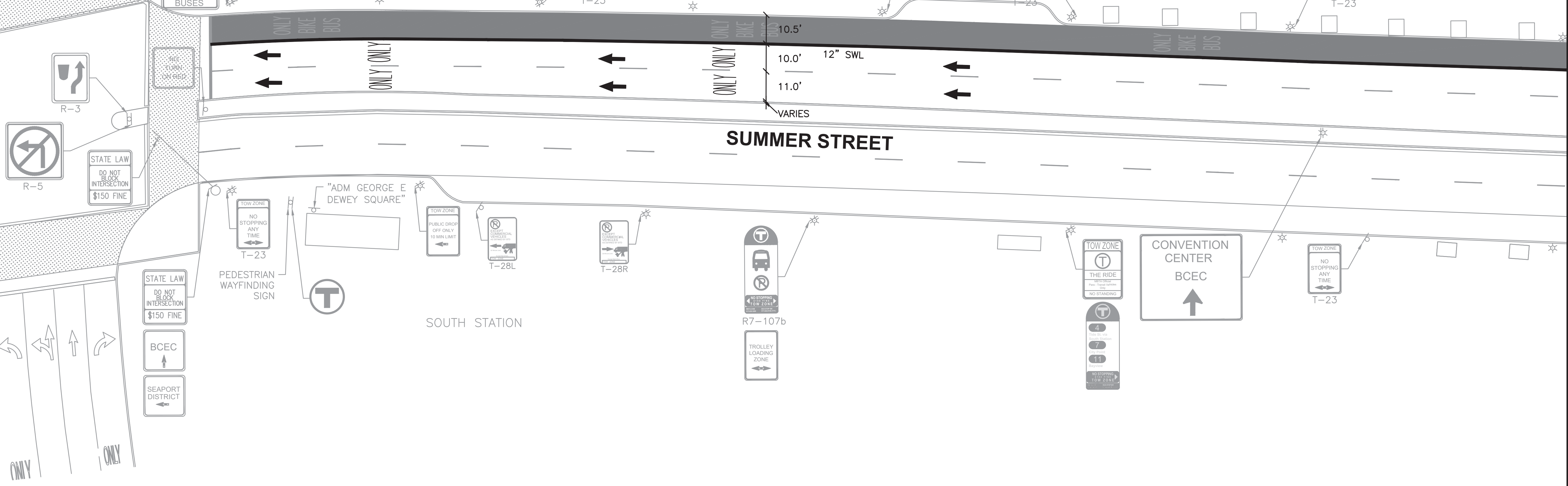
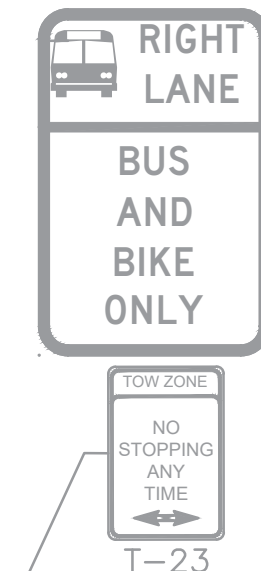
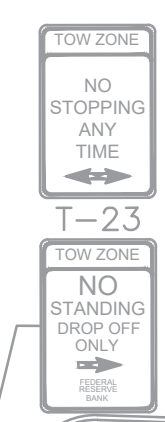
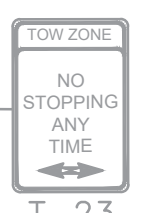
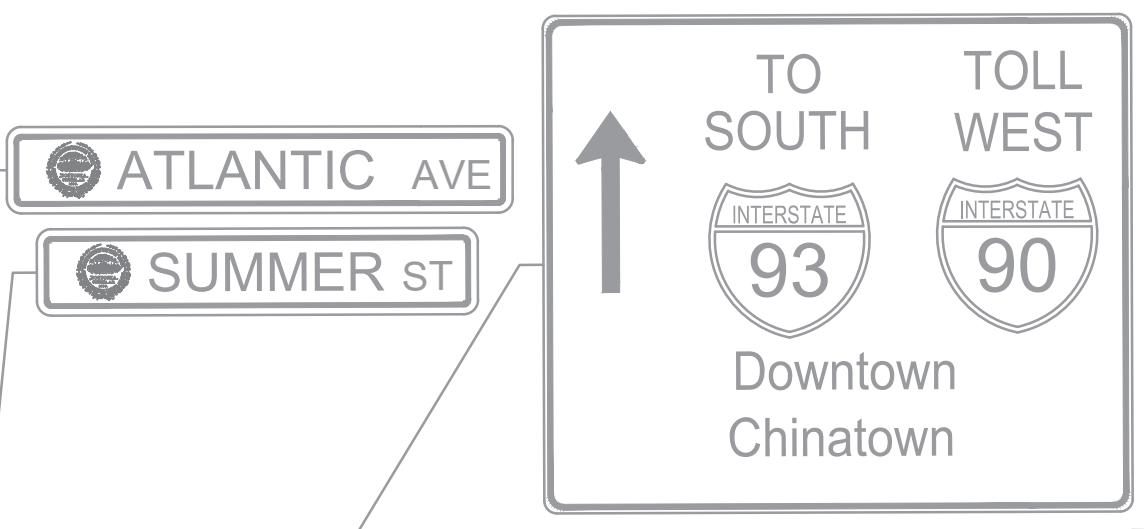
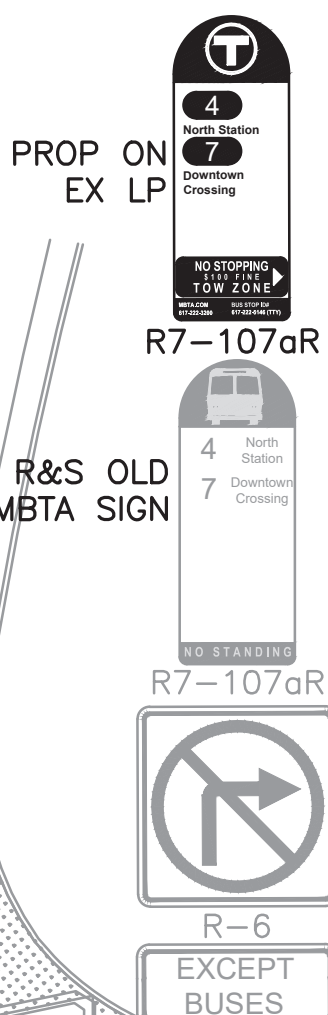
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BOSTON TRANSPORTATION DEPARTMENT

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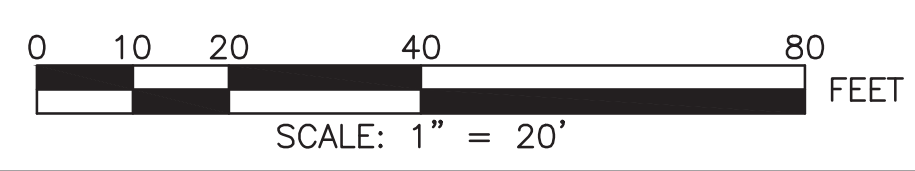


ATLANTIC AVENUE



NOTES:

- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
- 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
- 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



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BOSTON TRANSPORTATION DEPARTMENT

DRAWING PREPARED BY MCAHON



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 DRAWN BY J. VERESPEJ
 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

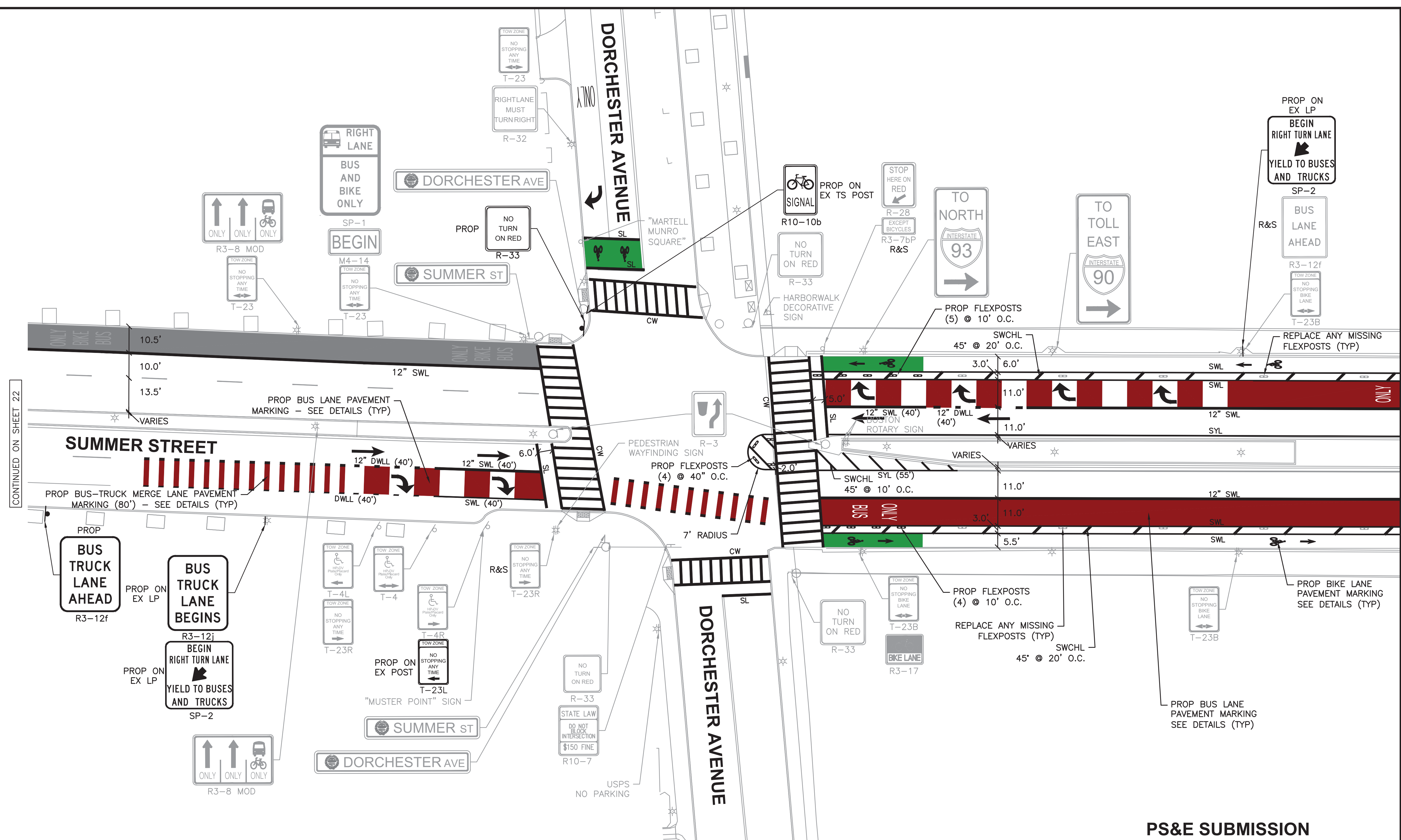
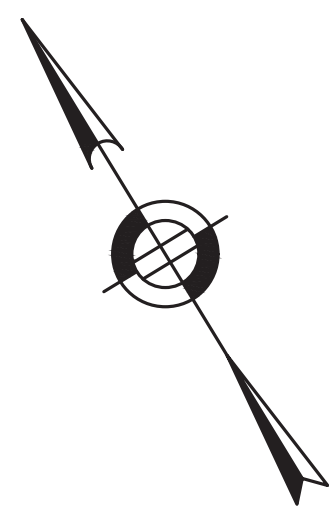
CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
 SUMMER STREET
 BOSTON

AREA: 3
 DISTRICT: 5
 SCALE: 1" = 20'

DATE: 8/25/2023

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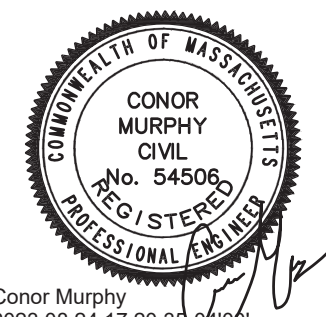
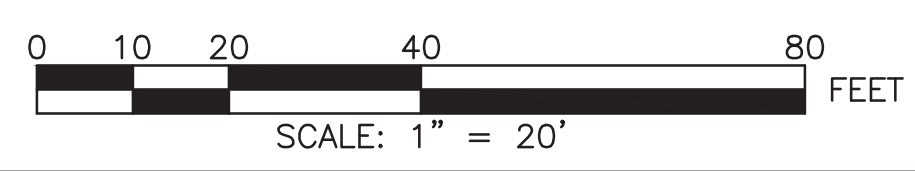
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CONTINUED ON SHEET 22

CONTINUED ON SHEET 24

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.
 - 4) ALL FLEXPOSTS INSTALLED ON BRIDGE DECK TO BE AFFIXED WITH EPOXY TO ROADWAY SURFACE.



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 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

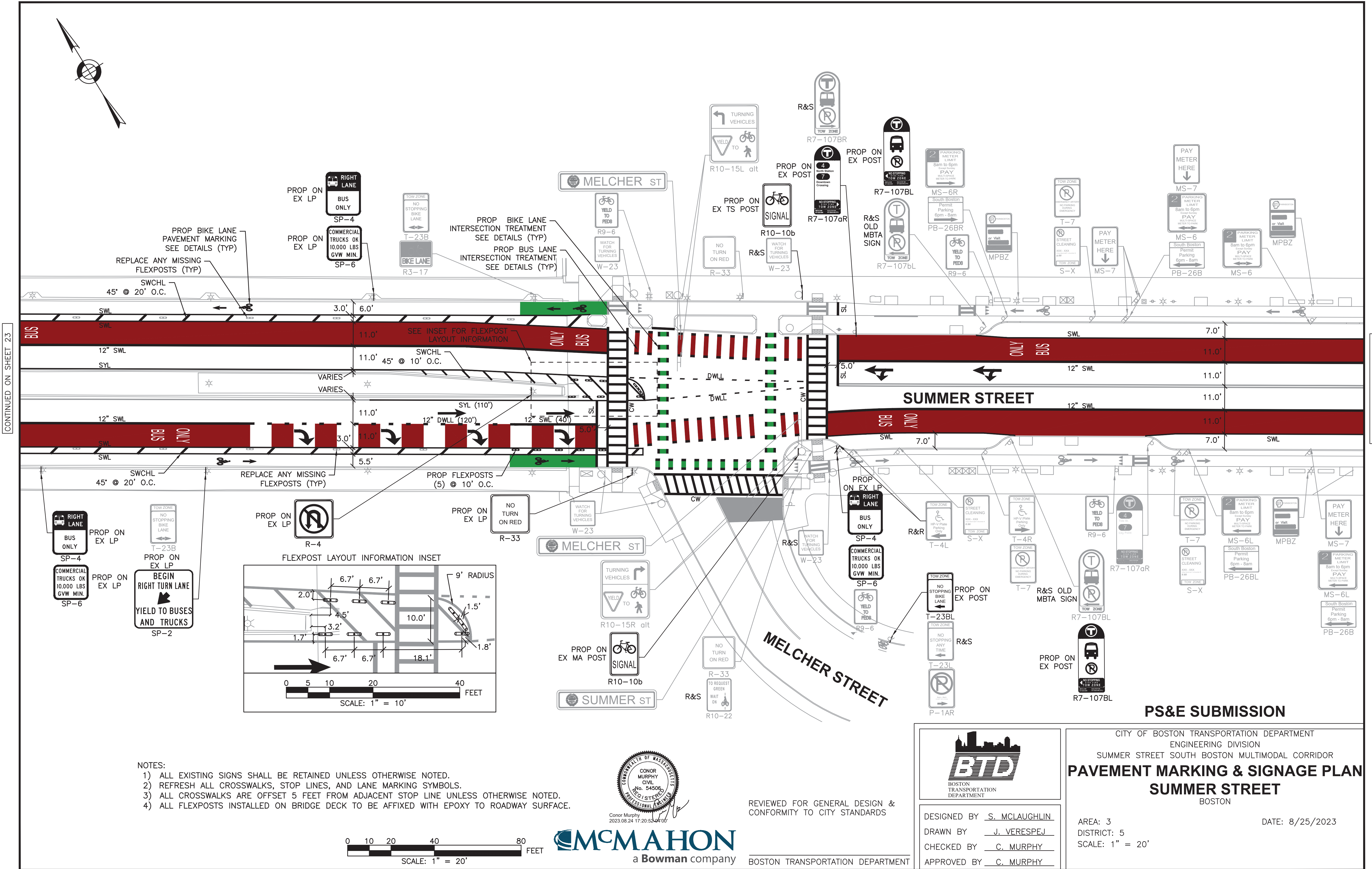
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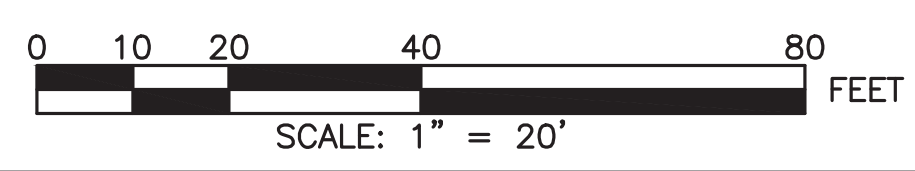
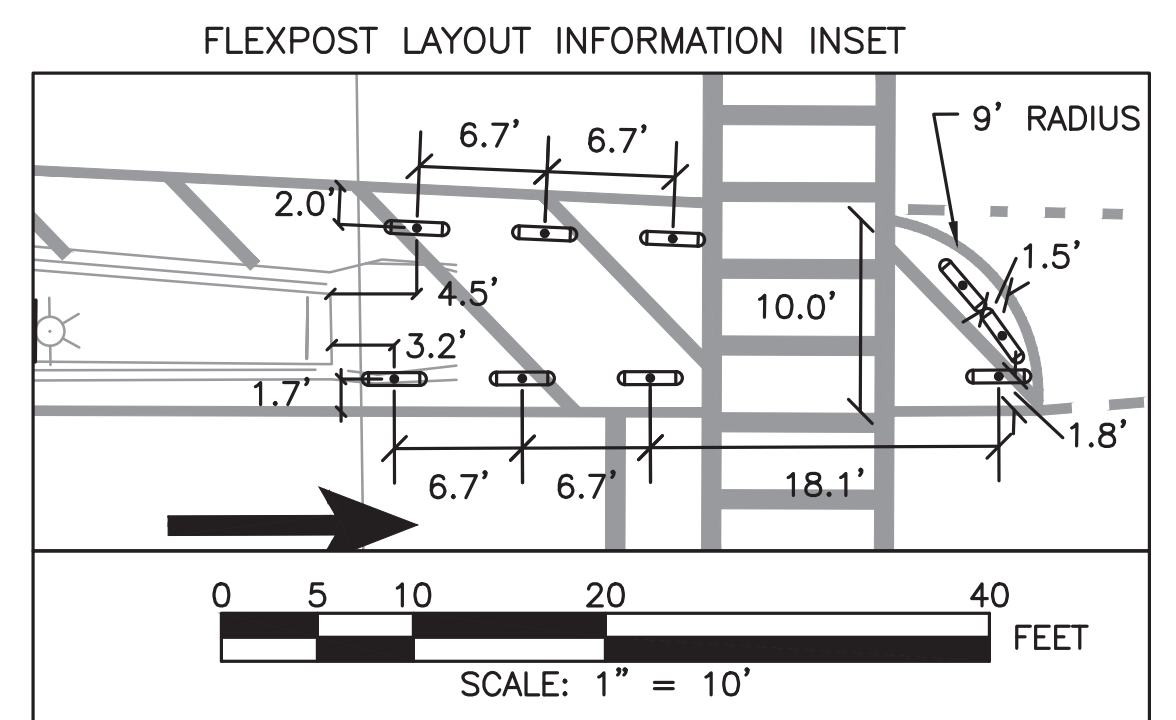
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CONTINUED ON SHEET 23

CONTINUED ON SHEET 25

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.
 - 4) ALL FLEXPOSTS INSTALLED ON BRIDGE DECK TO BE AFFIXED WITH EPOXY TO ROADWAY SURFACE.



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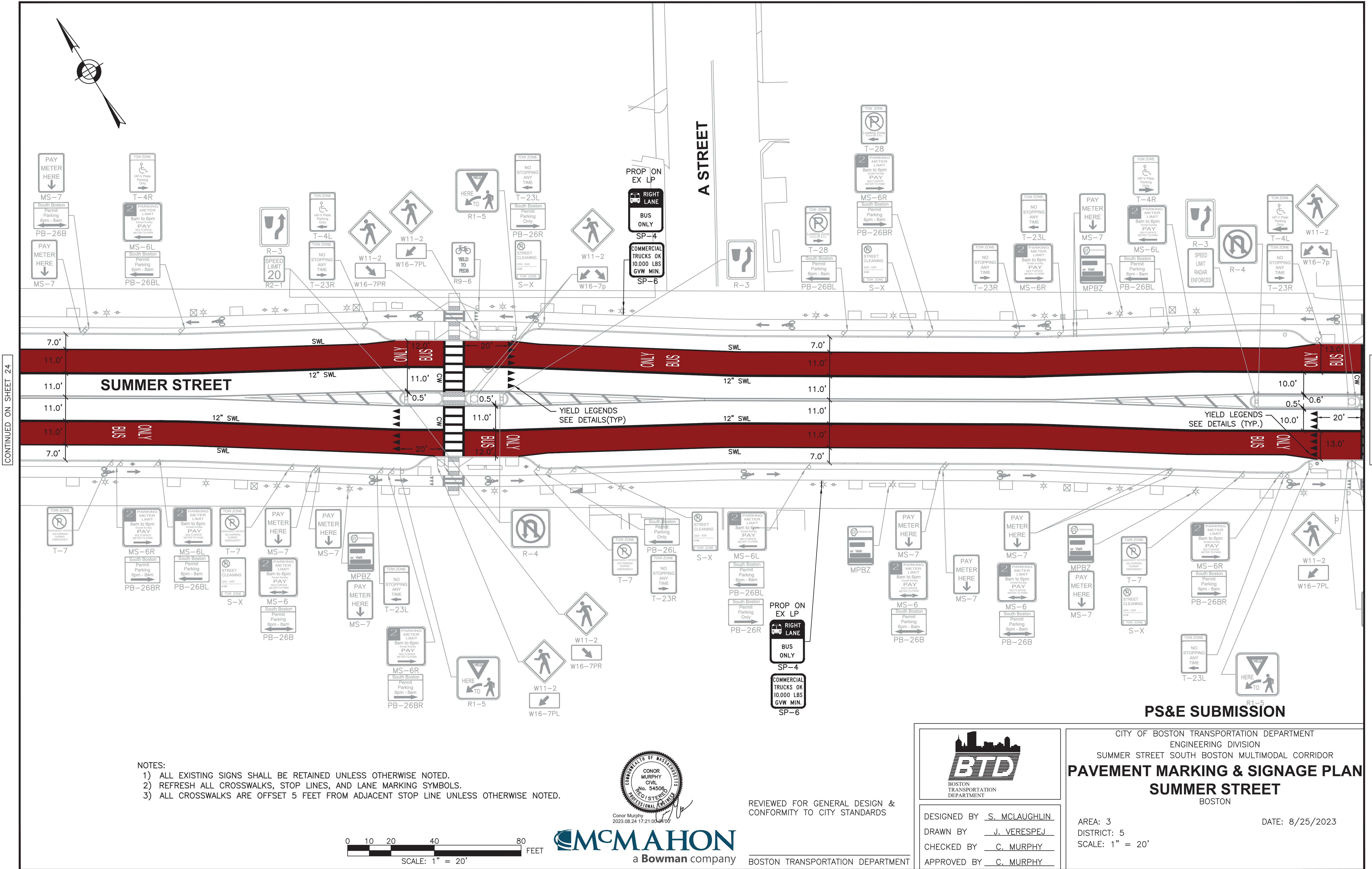
DESIGNED BY S. MCLAUGHLIN
DRAWN BY J. VERESPEJ
CHECKED BY C. MURPHY
APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
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AREA: 3
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DATE: 8/25/2023

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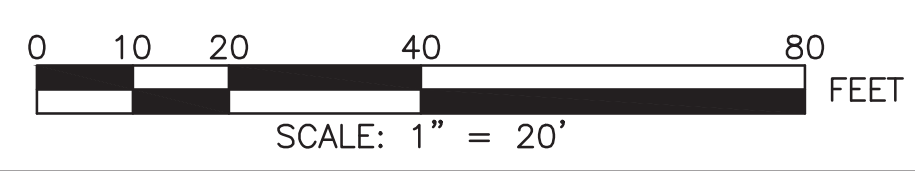
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CONTINUED ON SHEET 24

CONTINUED ON SHEET 26

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



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BOSTON TRANSPORTATION DEPARTMENT



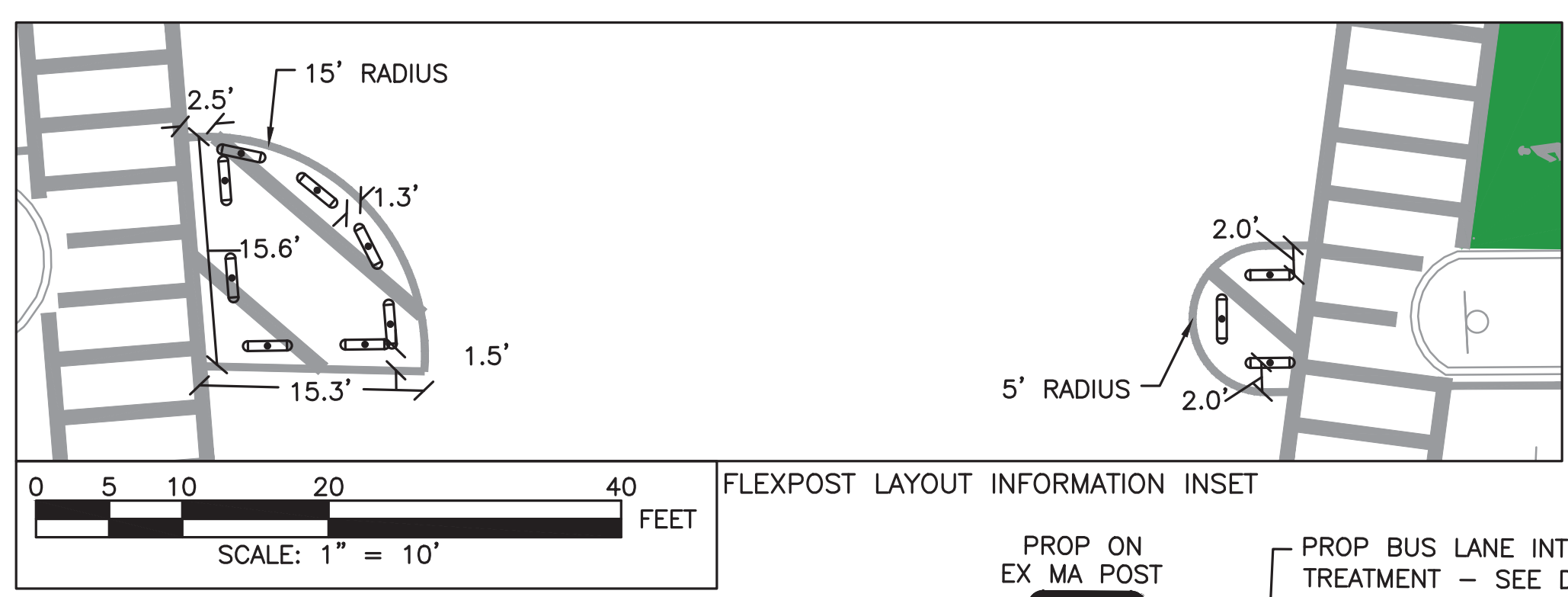
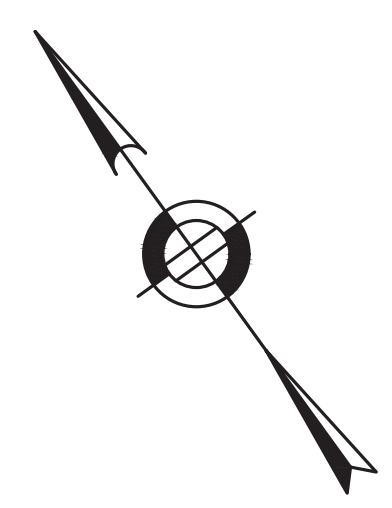
DESIGNED BY S. MCLAUGHLIN
DRAWN BY J. VERESPEJ
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CITY OF BOSTON TRANSPORTATION DEPARTMENT
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SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
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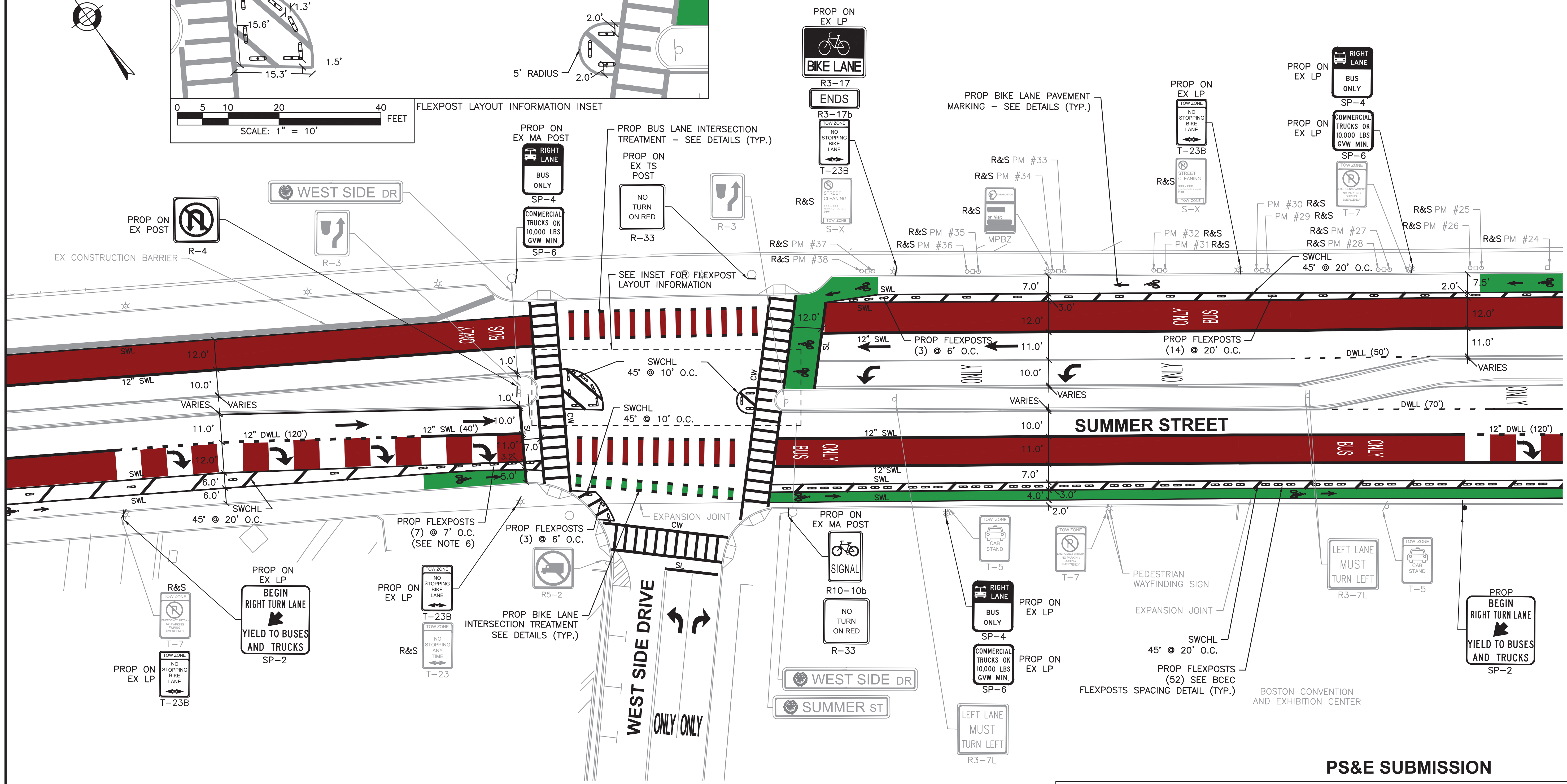
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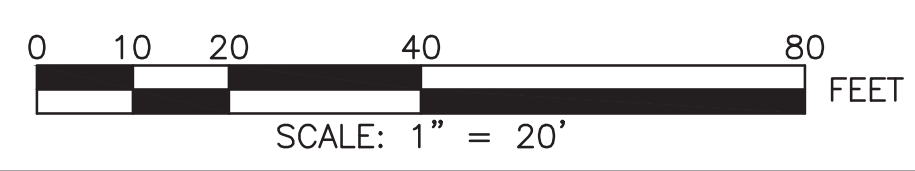


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- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.
 - 4) EXISTING PARKING METERS ON BRIDGE SHALL BE DEACTIVATED AND REMOVED BY BTD.
 - 5) ALL FLEXPOSTS INSTALLED ON BRIDGE DECK TO BE AFFIXED WITH EPOXY TO ROADWAY SURFACE.
 - 6) FLEXPOSTS MAY OVERLAP WITH BUFFER. BUS LANE LINE TO MAINTAIN 7.5' FT CLEARANCE FOR BTD SURFACE MAINTENANCE VEHICLE.



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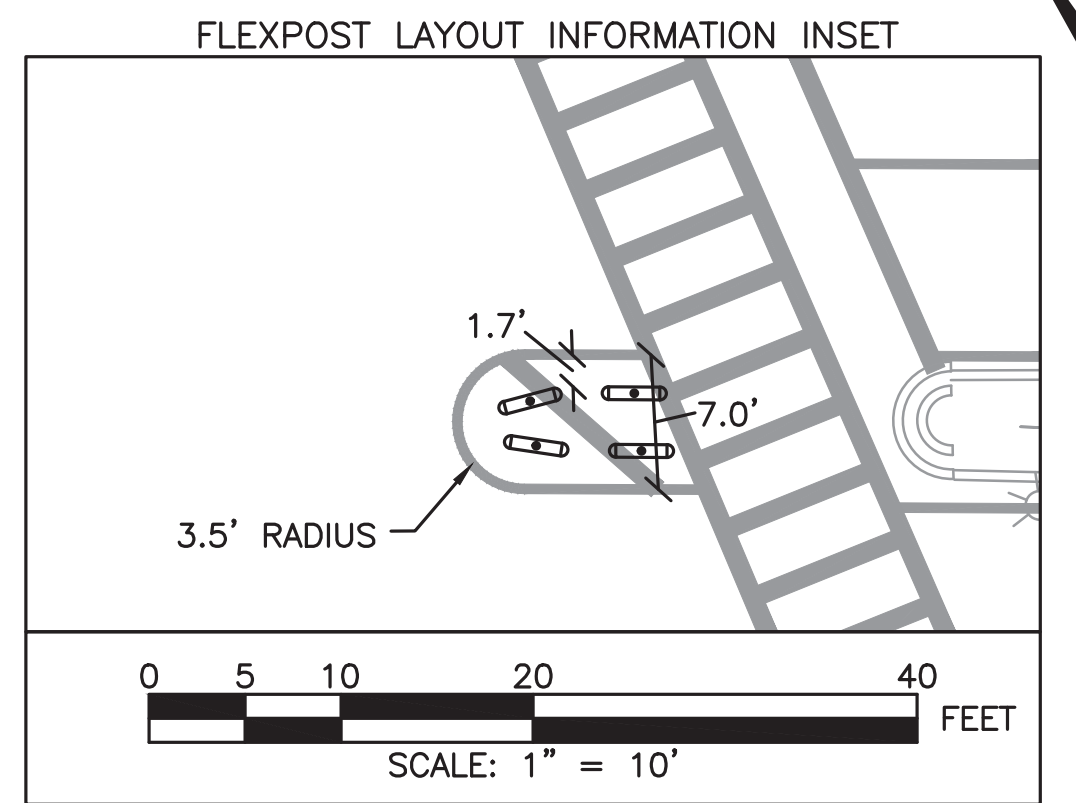
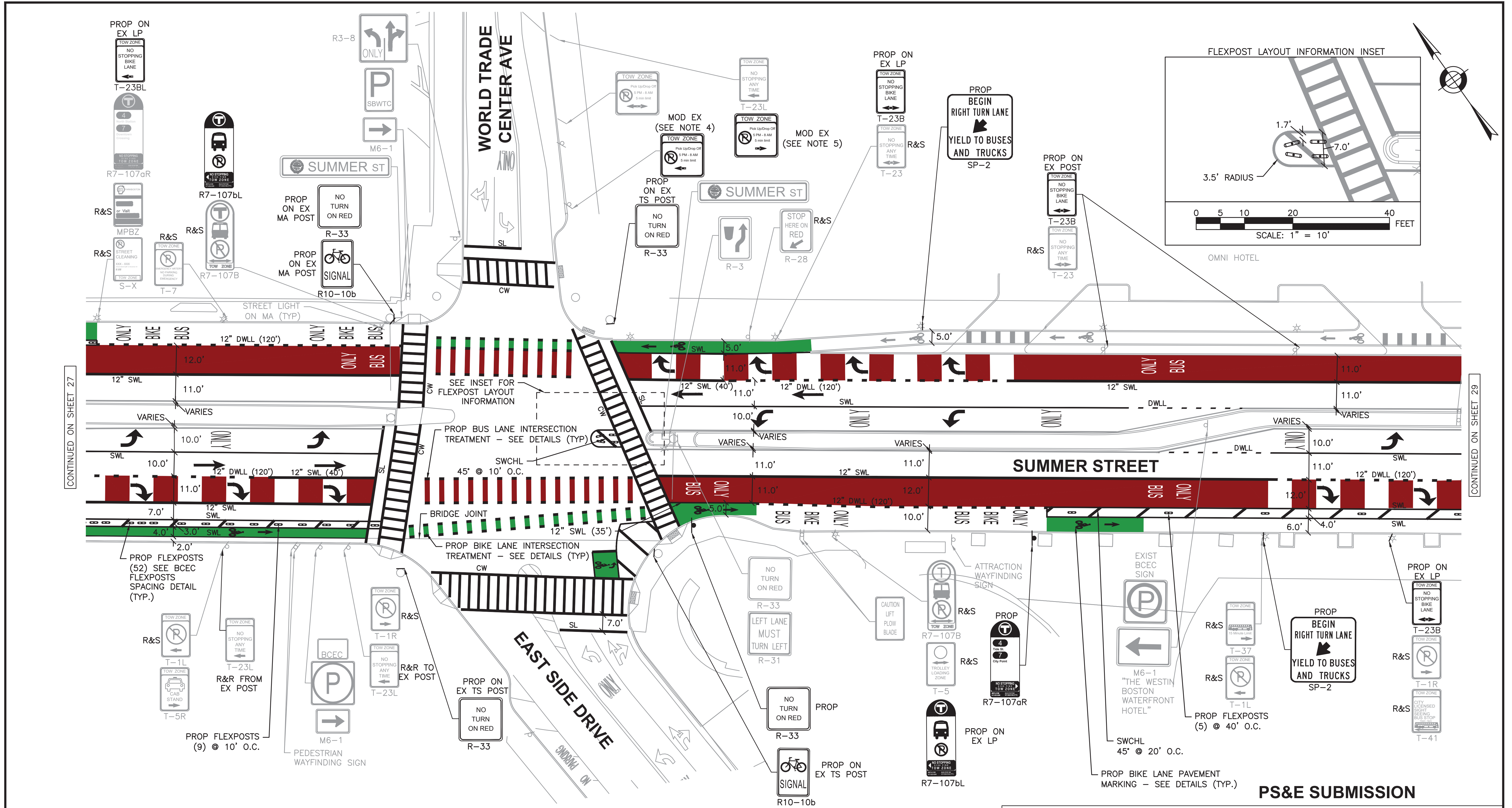


DESIGNED BY S. MCLAUGHLIN
 DRAWN BY J. VERESPEJ
 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
SUMMER STREET
 BOSTON

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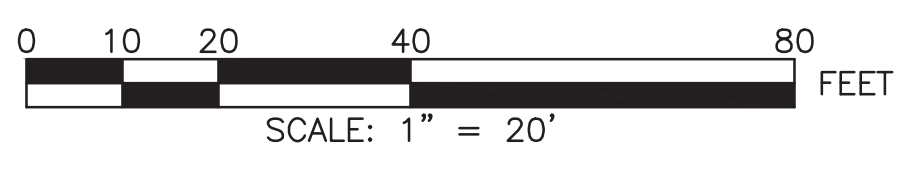
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CONTINUED ON SHEET 27


CONTINUED ON SHEET 29

- NOTES:**
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.
 - 4) MODIFY EXISTING SIGN TO ONLY SHOW LEFT ARROW.
 - 5) MODIFY EXISTING SIGN TO ONLY SHOW RIGHT ARROW.
 - 6) ALL FLEXPOSTS INSTALLED ON BRIDGE DECK TO BE AFFIXED WITH EPOXY TO ROADWAY SURFACE.




CONOR MURPHY
 CIVIL
 No. 54506
 REGISTERED PROFESSIONAL ENGINEER
 BOSTON TRANSPORTATION DEPARTMENT
 DRAWING PREPARED BY MCAHON

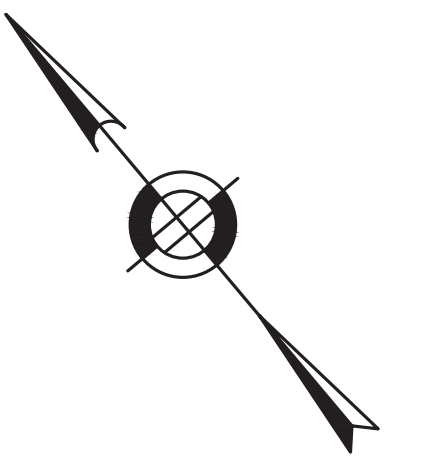
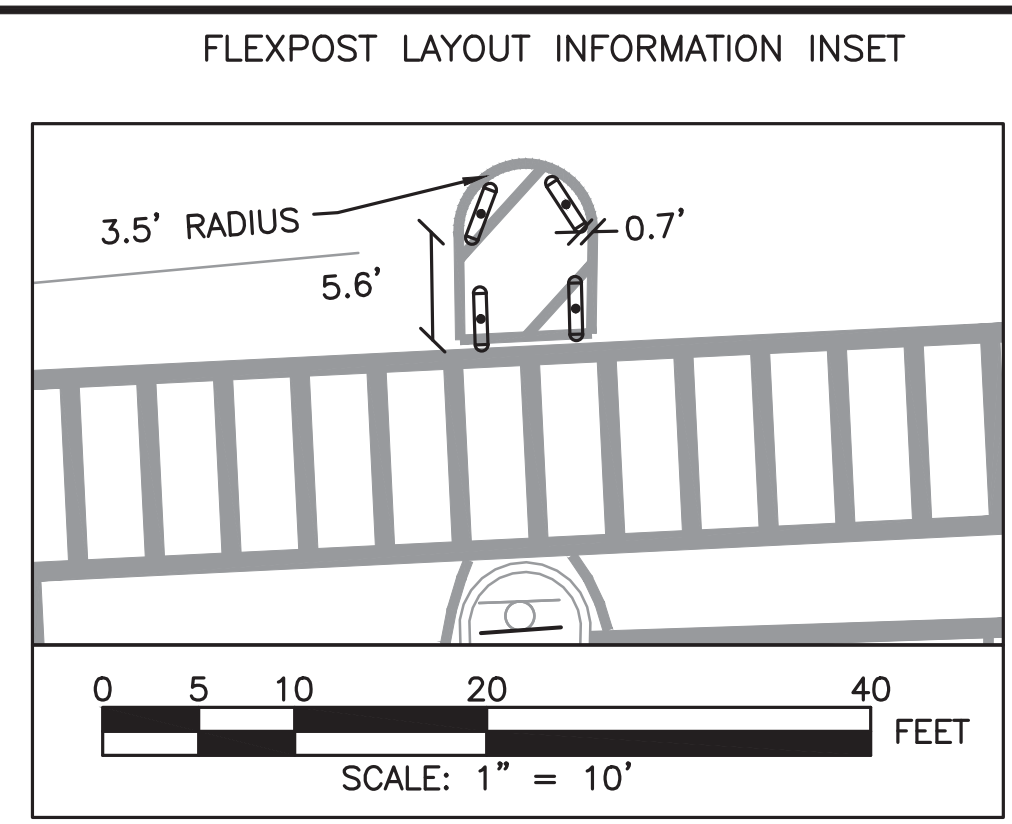
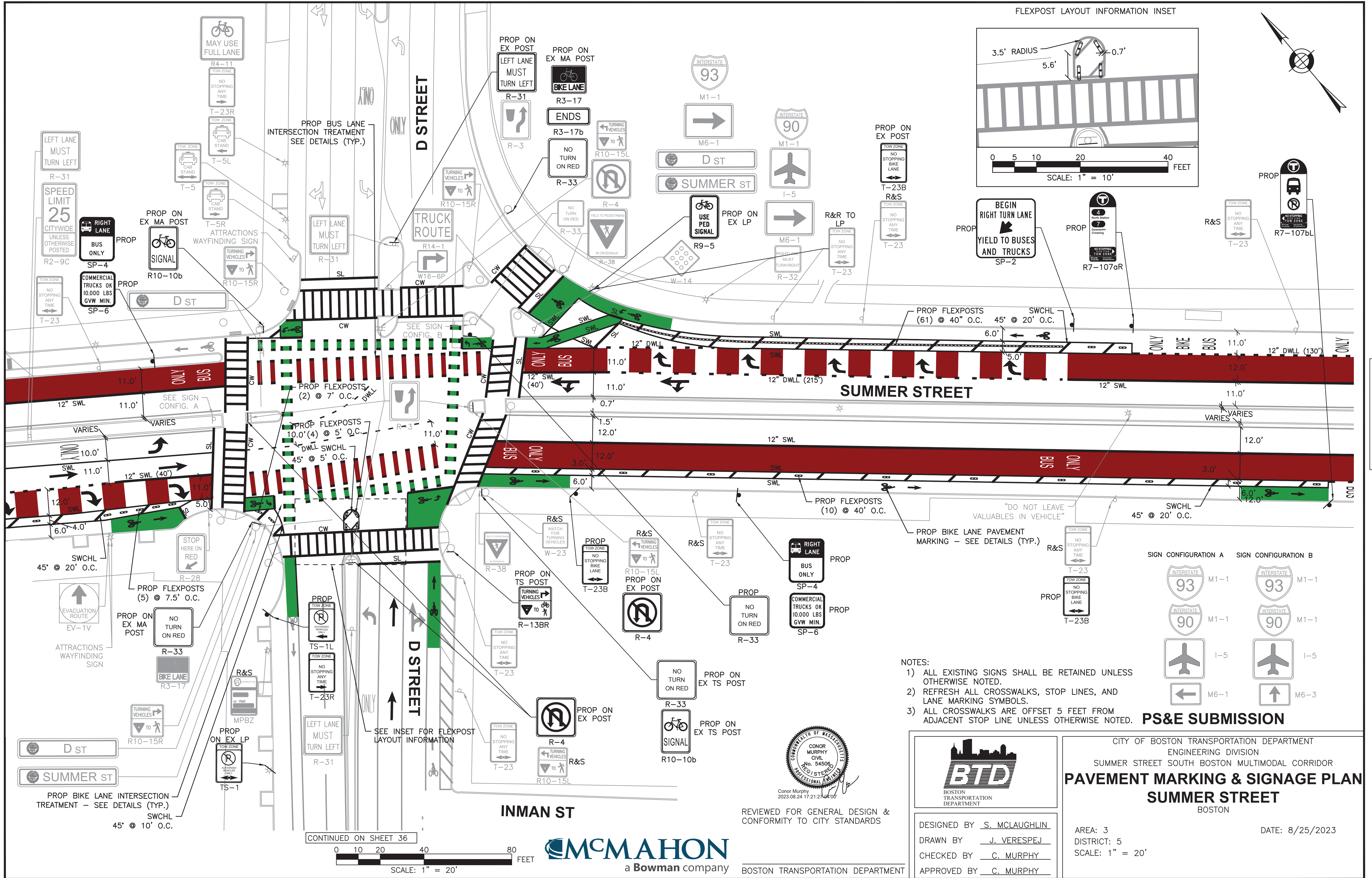
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BID
 BOSTON TRANSPORTATION DEPARTMENT
 DESIGNED BY S. MCLAUGHLIN
 DRAWN BY J. VERESPEJ
 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
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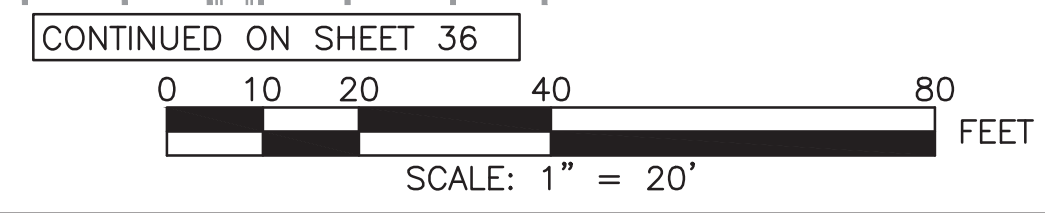
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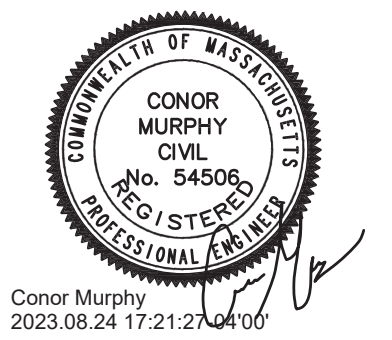


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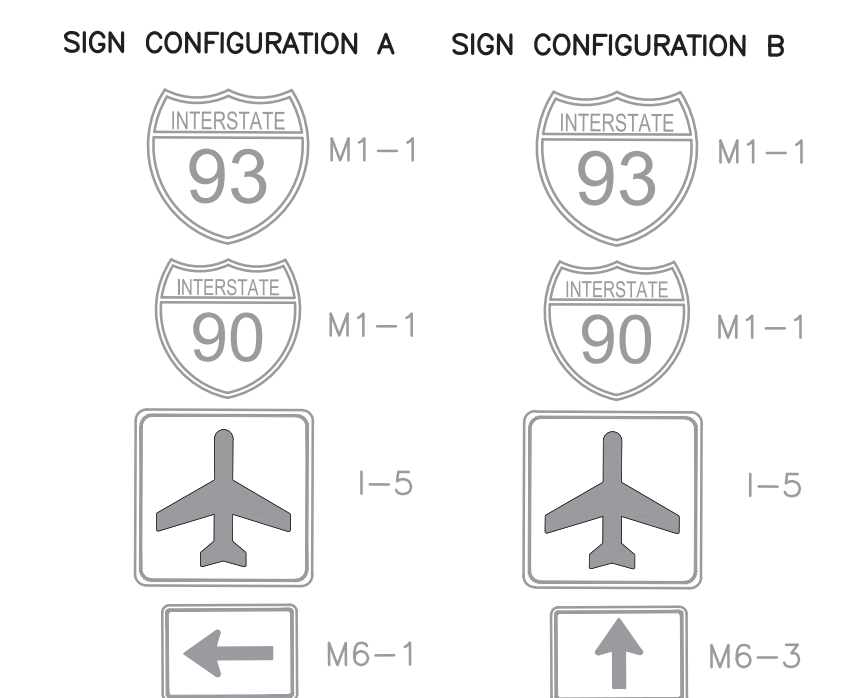
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- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



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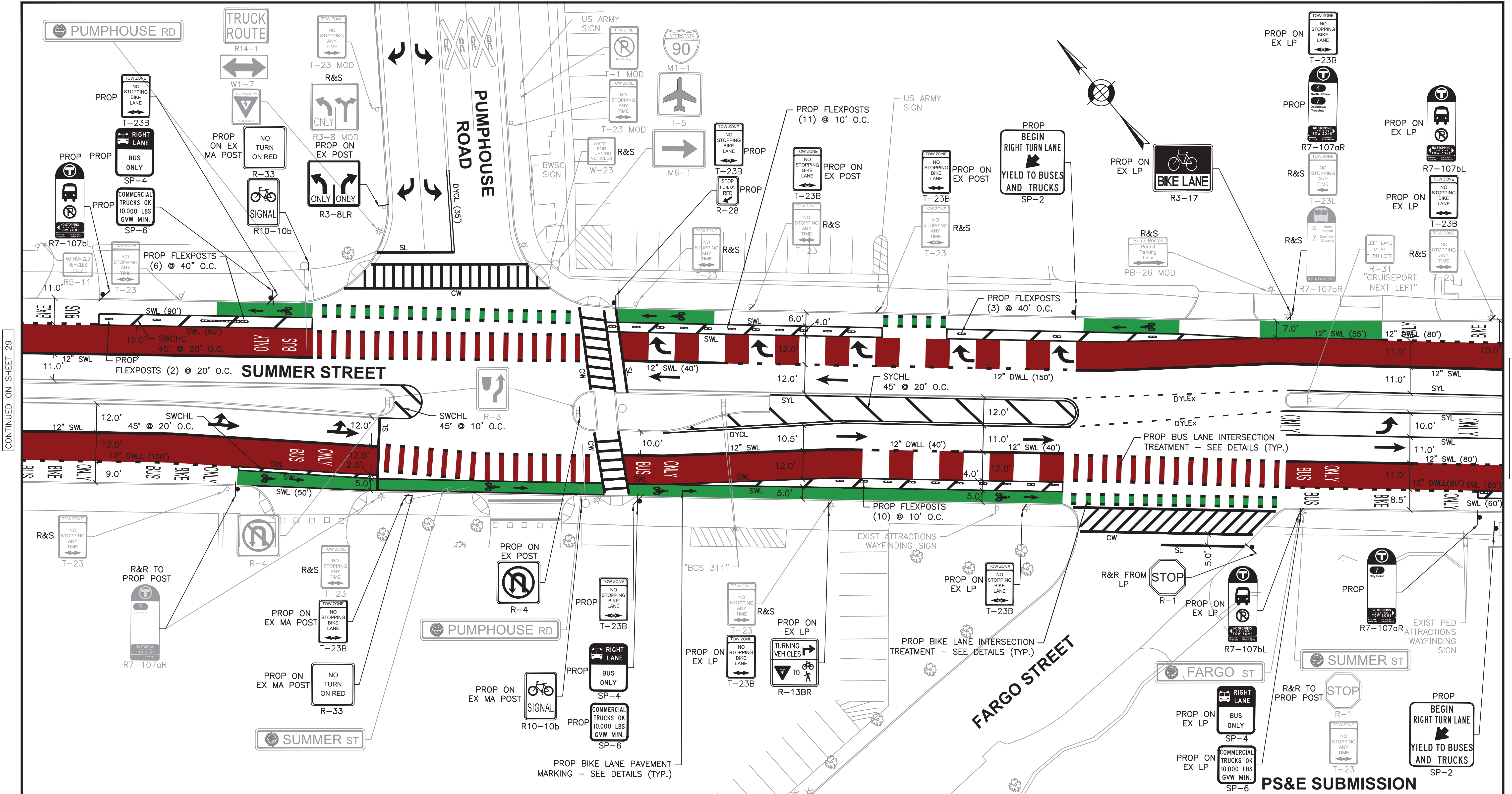


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CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
 SUMMER STREET
 BOSTON

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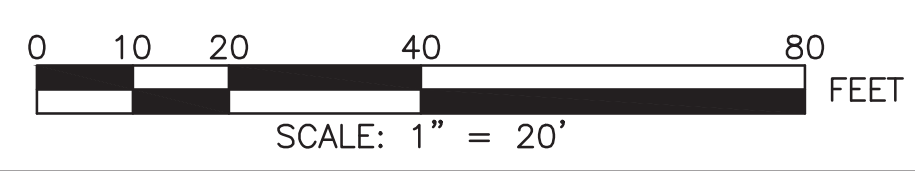
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CONTINUED ON SHEET 29

CONTINUED ON SHEET 31

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
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BOSTON TRANSPORTATION DEPARTMENT



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DRAWN BY J. VERESPEJ
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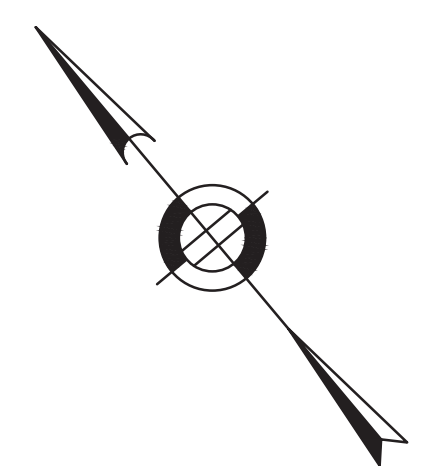
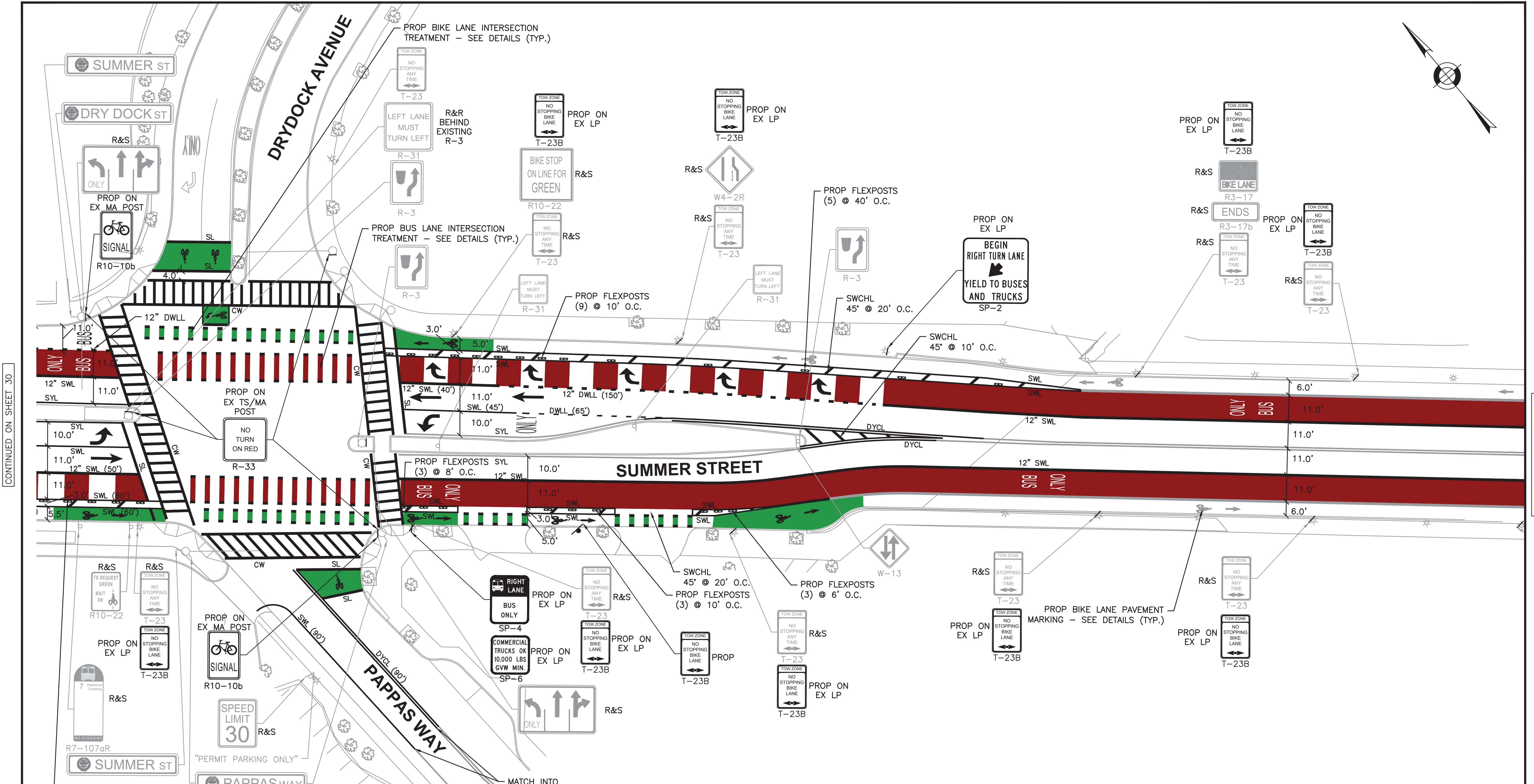
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ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
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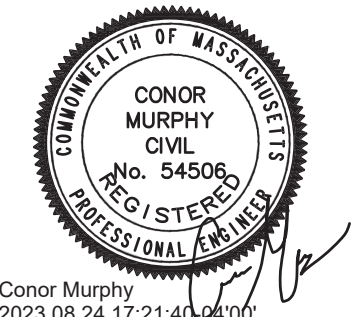
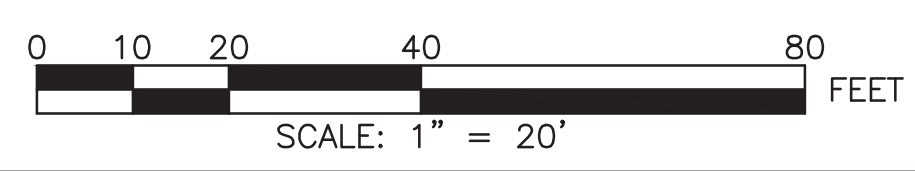
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CONTINUED ON SHEET 30

CONTINUED ON SHEET 32

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



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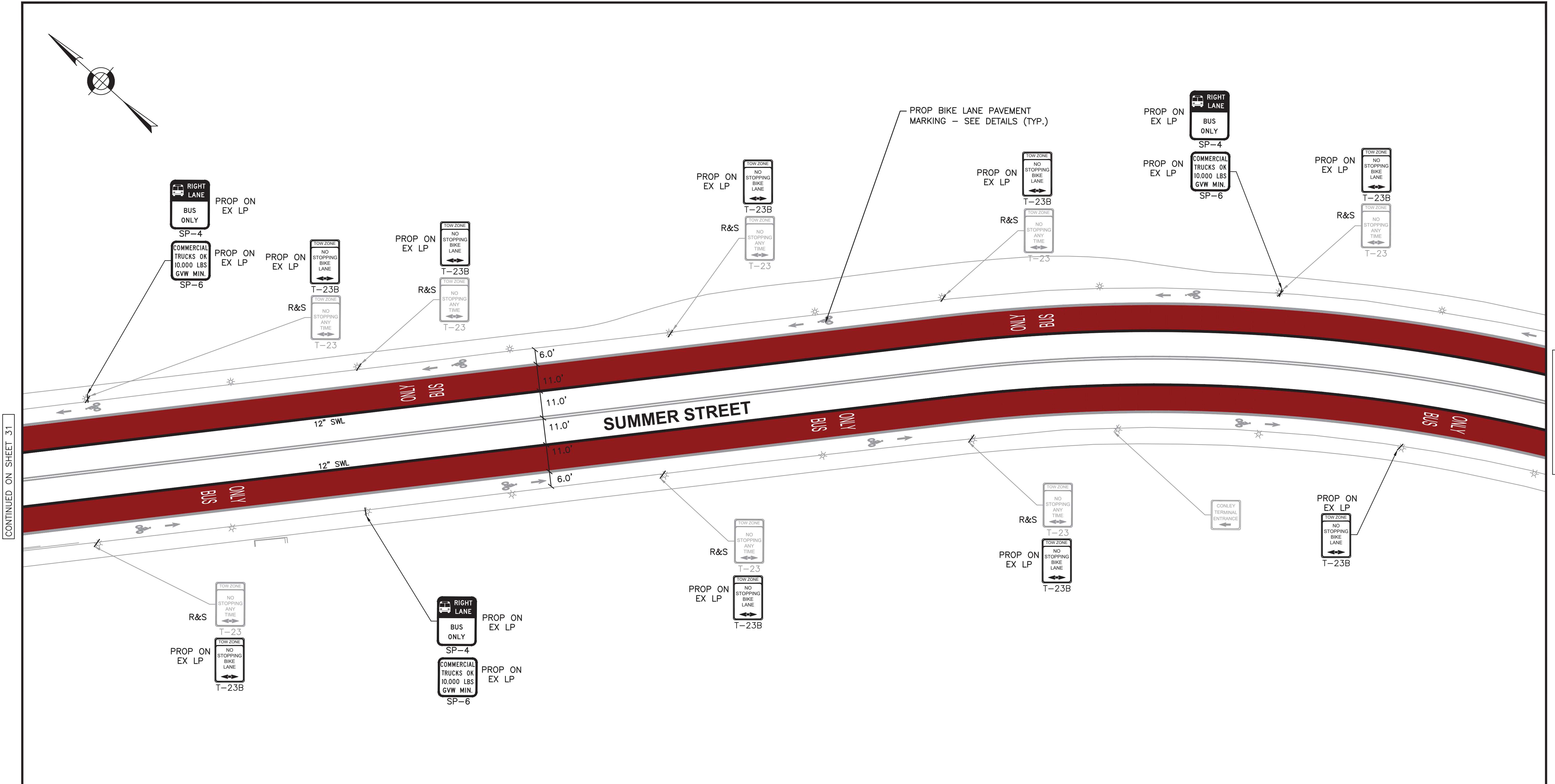
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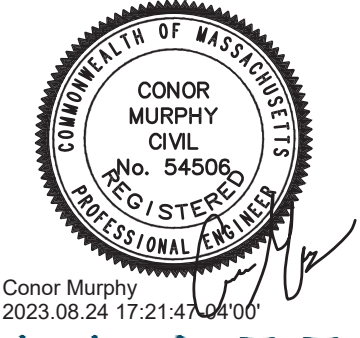
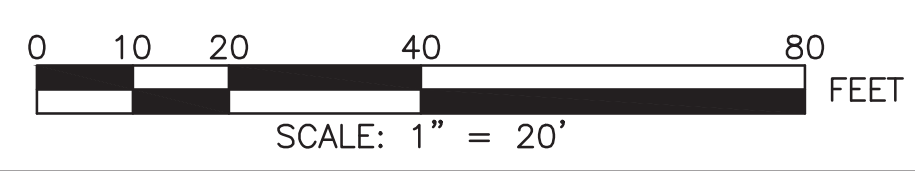
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CONTINUED ON SHEET 31

CONTINUED ON SHEET 33

- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



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BOSTON TRANSPORTATION DEPARTMENT

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ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
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SUMMER STREET
BOSTON

AREA: 3
DISTRICT: 5
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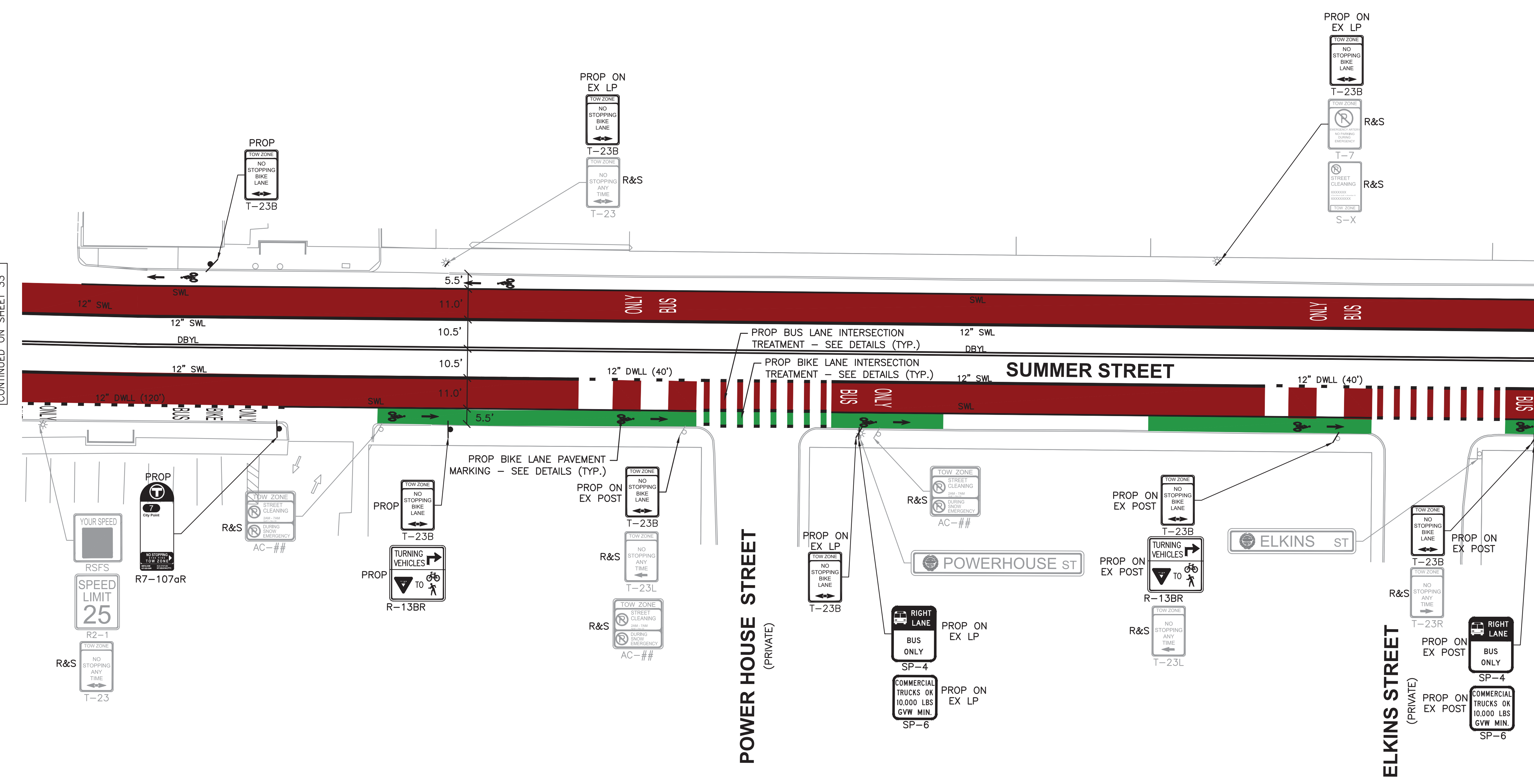
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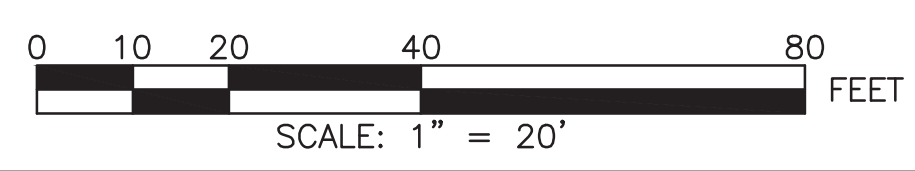
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- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
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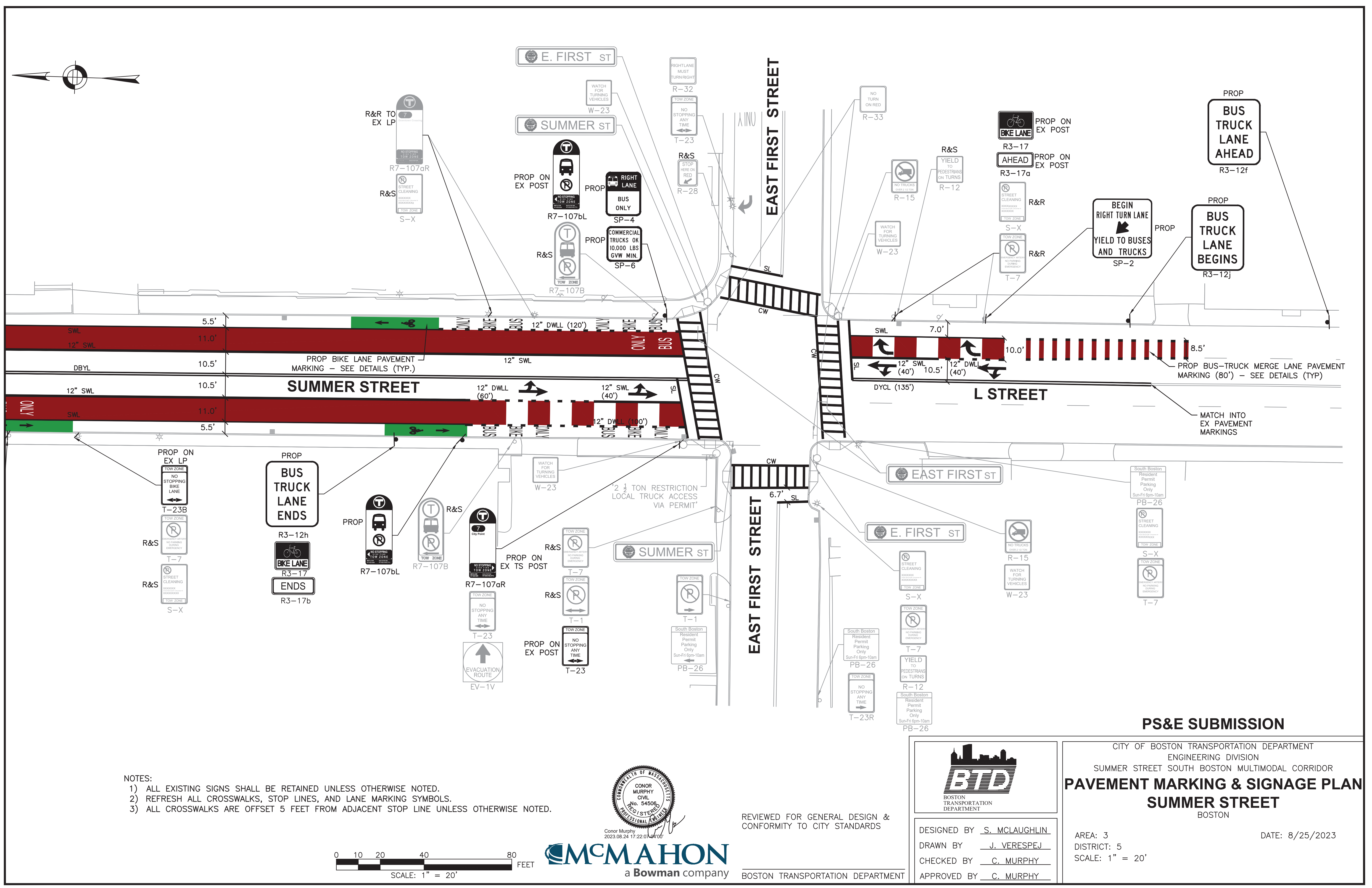
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 SCALE: 1" = 20'

DATE: 8/25/2023

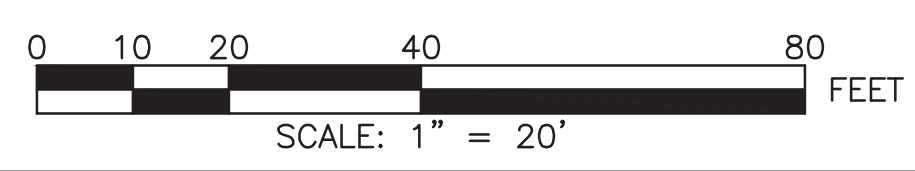
PS&E SUBMISSION

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CONTINUED ON SHEET 34



- NOTES:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) REFRESH ALL CROSSWALKS, STOP LINES, AND LANE MARKING SYMBOLS.
 - 3) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINE UNLESS OTHERWISE NOTED.



REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS

BOSTON TRANSPORTATION DEPARTMENT

DRAWING PREPARED BY MCAHON

PS&E SUBMISSION



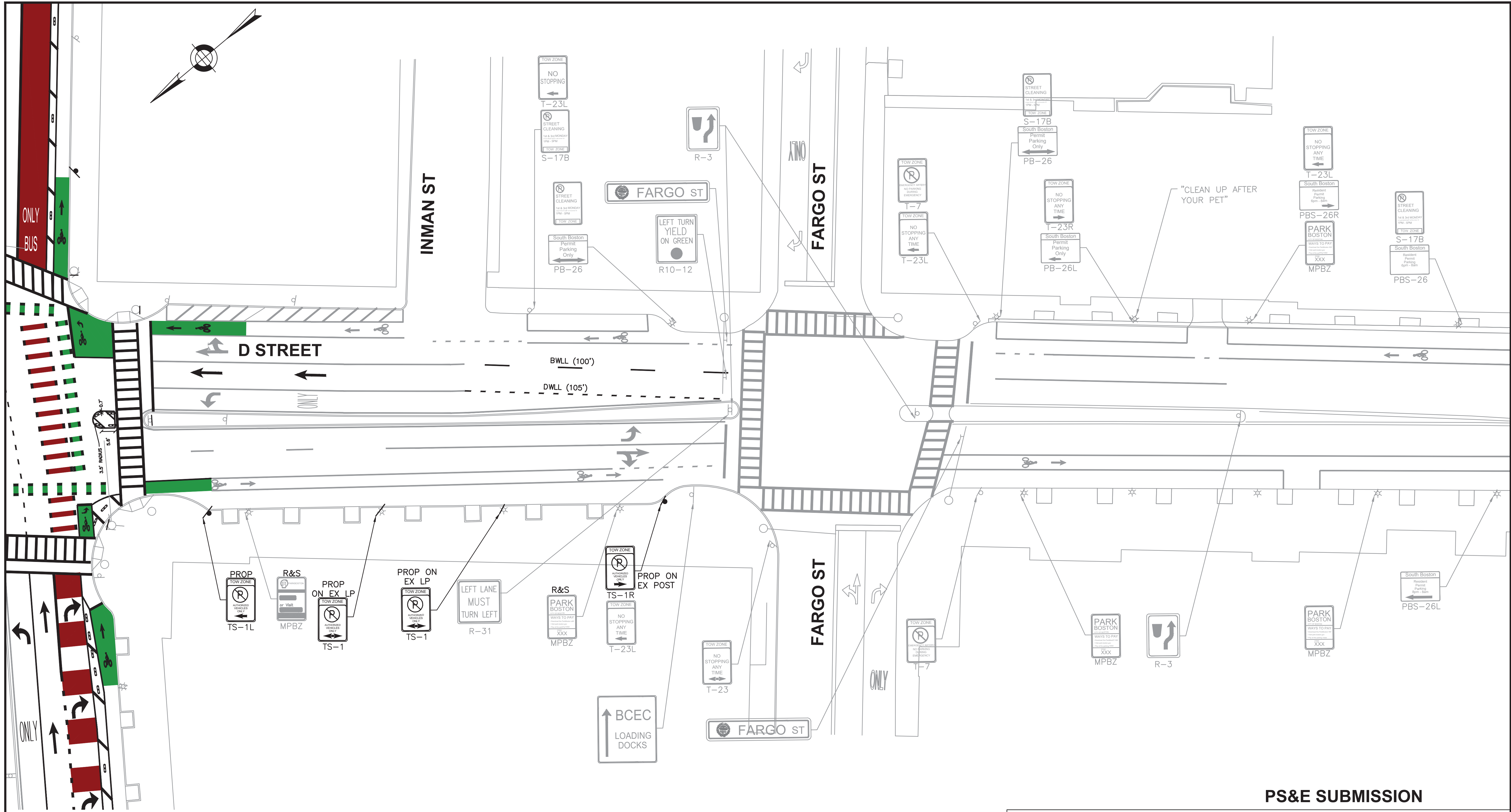
DESIGNED BY S. MCLAUGHLIN
 DRAWN BY J. VERESPEJ
 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
SUMMER STREET
 BOSTON

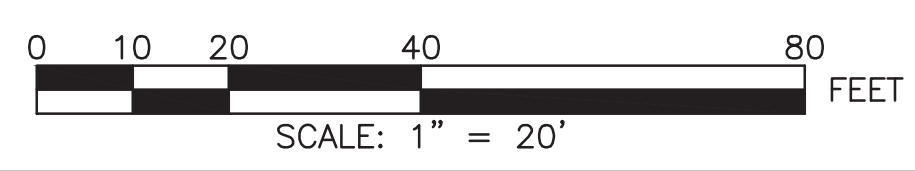
AREA: 3
 DISTRICT: 5
 SCALE: 1" = 20'
 DATE: 8/25/2023

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CONTINUED ON SHEET 29



- NOTE:
- 1) ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
 - 2) ALL CROSSWALKS ARE OFFSET 5 FEET FROM ADJACENT STOP LINES UNLESS OTHERWISE NOTED.



MCAHON
a Bowman company

REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS

BOSTON TRANSPORTATION DEPARTMENT



DESIGNED BY S. MCLAUGHLIN
 DRAWN BY J. VERESPEJ
 CHECKED BY C. MURPHY
 APPROVED BY C. MURPHY

PS&E SUBMISSION

CITY OF BOSTON TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION
 SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
PAVEMENT MARKING & SIGNAGE PLAN
 SUMMER STREET
 BOSTON

AREA: 3
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Q:\NEW ENGLAND REGION\MCAHON\DEPT\ANALYSIS\BOSTON TRANSPORTATION DEPARTMENT\SUMMER ST, S BOSTON MULTIMODAL CORRIDOR\CAD\DWG\LOT\SUMMER_ST_SS

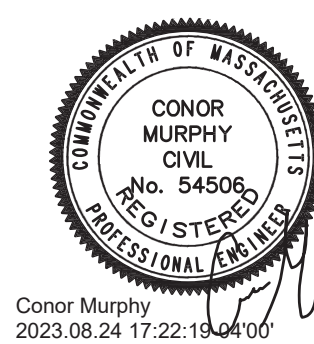
TRAFFIC SIGN SUMMARY													
IDENTIFICATION NUMBER	SIZE OF SIGN (IN)		TEXT	TEXT DIMENSIONS (IN)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (SF)	AREA (SF)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR		BACKGROUND	LEGEND	BORDER			
R3-12f	24	30		4D 4D 4D 4D	3.3 2.5 2.5 3.2		2	WHITE	BLACK	BLACK	PROP BTD SIGN POST (2)	5.00	10.00
R3-12h	24	30		4D 4D 4D 4D	3.3 2.5 2.5 3.2		1	WHITE	BLACK	BLACK	MT W/ R3-17 (1)	5.00	5.00
R3-12j	24	30		4D 4D 4D 4D	3.3 2.5 2.5 3.2		2	WHITE	BLACK	BLACK	LP (1) PROP BTD SIGN POST (1)	5.00	10.00
SP-2	36	36		4C 4B 4C 4C	1.8 2 11.4 3 1.8		14	WHITE	BLACK	BLACK	LP (9) PROP BTD SIGN POST (4) EX BTD SIGN POST (1)	9.00	126.00
SP-4	24	30		3D 3D 3D 3D	1 12 4 3 4		23	WHITE BLACK	BLACK/WHITE	BLACK	LP (15) MA POST (1) PROP BTD SIGN POST (6) EX BTD SIGN POST (1)	5.00	115.00
SP-6	24	24		3C 3C 3C 3D	2.6 2.3 2.2 2.3 2.6		23	WHITE	BLACK	BLACK	LP (15) MA POST (1) EX BTD SIGN POST (1) MT W/ SP-4 (6)	4.00	92.00
R7-107aR	12	32		SEE MBTA STANDARDS			8	SEE MBTA STANDARDS			LP (2) PROP BTD SIGN POST (4) EX BTD SIGN POST (1) MA POST (1)	2.67	21.33
R7-107bL	12	32		SEE MBTA STANDARDS			11	SEE MBTA STANDARDS			LP (2) PROP BTD SIGN POST (4) EX BTD SIGN POST (4) MA POST (1)	2.67	29.33
R3-8LR	30	36		SEE MUTCD STANDARDS			1	SEE MUTCD STANDARDS			EX BTD SIGN POST (1)	7.50	7.50
R3-17	24	18					9				LP (5) MA POST (2) PROP BTD SIGN POST (1) EX BTD SIGN POST (1)	3.00	27.00
R3-17a	24	8					2				EX BTD SIGN POST (1) MA POST (1)	1.33	2.67
R3-17b	24	8					3				LP (1) MA POST (1) MT W/ R3-17 (1)	1.33	4.00
R9-5	12	18					1				LP (1)	1.50	1.50
R10-10b	12	18					14				TS POST (4) MA POST (10)	1.50	21.00
											TOTAL	721.00	

NOTES:

1) MBTA SIGNS (R7-107aR, R7-107bL, and R7-107b) SHALL BE PROVIDED BY THE MBTA. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE SIGNS IN ACCORDANCE WITH MBTA AND BTD STANDARDS. CONTRACTOR SHALL NOTIFY MBTA PRIOR TO INSTALLATION OF MBTA SIGNS.

TRAFFIC SIGN SUMMARY													
IDENTIFICATION NUMBER	SIZE OF SIGN (IN)		TEXT	TEXT DIMENSIONS (IN)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (SF)	AREA (SF)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR		BACKGROUND	LEGEND	BORDER			
R-4	24	24		SEE BTD STANDARDS			6	SEE BTD STANDARDS			LP (1) EX BTD SIGN POST (5)	4.00	24.00
R13-BR	30	30					4				LP (1) TS POST (1) EX BTD SIGN POST (1) MT W/ T-23B (1)	6.25	25.00
R-28	24	36					1				MT W/ T-23B (1)	6.00	6.00
R-31	30	30					1				EX BTD SIGN POST (1)	6.25	6.25
R-33	24	24					21				LP (2) TS POST (7) MA POST (6) MA (1) PROP BTD SIGN POST (3)	4.00	84.00
T-23	12	18					1				EX BTD SIGN POST (1)	1.50	1.50
T-23B	12	18					59				LP (42) MA POST (1) PROP BTD SIGN POST (5) EX BTD SIGN POST (9) MT W/ SP-4 (2)	1.50	88.50
T-23BL	12	18					3				LP (1) EX BTD SIGN POST (2)	1.50	4.50
T-23L	12	18					1				EX BTD SIGN POST (1)	1.50	1.50
T-23R	12	18					1				MT W/ TS-1L (1)	1.50	1.50
TS-1	12	18					2				LP (2)	1.50	3.00
TS-1L	12	18					1				PROP BTD SIGN POST (1)	1.50	1.50
TS-1R	12	18					1				EX BTD SIGN POST (1)	1.50	1.50
											TOTAL	721.00	

PS&E SUBMISSION



Conor Murphy
2023.08.24 17:22:15 04100

REVIEWED FOR GENERAL DESIGN & CONFORMITY TO CITY STANDARDS



DESIGNED BY S. MCLAUGHLIN
DRAWN BY J. VERESPEJ
CHECKED BY C. MURPHY
APPROVED BY C. MURPHY

CITY OF BOSTON TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
SUMMER STREET SOUTH BOSTON MULTIMODAL CORRIDOR
TRAFFIC SIGN SUMMARY
SUMMER STREET
BOSTON

AREA: 3
DISTRICT: 5
SCALE: N/A

DATE: 8/25/2023



BOSTON TRANSPORTATION DEPARTMENT