

Addendum No. 4 to IFB #25-73



CITY OF SOMERVILLE, MASSACHUSETTS
Department of Procurement and Contracting Services
KATJANA BALLANTYNE
MAYOR

To: All Parties on Record with the City of Somerville as Holding IFB #25-73
East Somerville Water Main Upgrades

From: Jordan T. Remy

Date: 6/24/2025

Re: Fuel Use Factor Clarifications, Updated Price Form and Plan Revisions

Addendum No. 4 to IFB #25-73

Please acknowledge receipt of this Addendum by signing below and including this form in your proposal package. Failure to do so may subject the proposer to disqualification.

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ **#2** _____ **#3** _____ **#4** _____

Addendum No. 4 to IFB #25-73

Fuel Use Factor Clarification

Question 1: Per measurement and payment for Bid Item 01 2200.1, the fuel use factor percentage is noted as 2.5%-5%. But per Revised Itemized Bid List, the fuel use factor is noted as 0.5% - 2.5%. They both contradict each other, which is true?

Answer: 2.5% - 5% is the correct range. Itemized Bid List, Revision 2, is attached.

Question 2: To which Bid Items will 01 2200.1 be applicable to, please specify?

Answer: The Measurement and Payment for Bid Item 01 2200.1 describes how these price adjustments are applied, which vary by the type of adjustment included in the allowance.

Attachments:

1. Itemized Bid List Revised 6.24.2025
2. Sheet TG-1 revision
3. Sheet TMP-1 through Sheet TMP-6 revisions
4. Sheet TD-1 revision

CITY OF SOMERVILLE, MA
EAST SOMERVILLE WATER MAIN UPGRADES
PROJECT ITEMIZED BID LIST **REVISED 6.24.2025**

BASE BID (East Somerville):

Item No.	Description	Estimated Quantity	Extended Total
01 2200.1	Allowance for Price Adjustment <u>Twenty thousand</u> Dollars (\$ 20,000) Allowance	1	\$ 20,000
01 3004.1	Mobilization (2%) <u></u> Dollars (\$) Lump Sum	1	\$
01 4000.1	Quality Control and Testing <u>Fourteen thousand, seven hundred</u> Dollars (\$) Allowance	1	\$ 14,700
01 5500.1	Traffic and Pedestrian Management <u></u> Dollars (\$) Lump Sum	1	\$
01 5500.2	Remote Controlled Changeable Message Sign <u></u> Dollars (\$) per WEEK	9	\$
01 5713.1	Sedimentation and Erosion Control <u></u> Dollars (\$) Lump Sum	1	\$

01 8000.1	Temporary Utility Support and Coordination Dollars (\$)) Lump Sum	1	\$
01 8000.2	Survey Construction Layout and Baseline, As-Builts Dollars (\$)) Lump Sum	1	\$
02 4100.1	Disposal of Bituminous Concrete Dollars (\$)) per TON	4,720	\$
02 6000.1	OHM – Soil and Waste Management Dollars (\$)) Lump Sum	1	\$
02 6001.1	OHM - Disposal of Soil - Less Than RCS-1 (Class A) Dollars (\$)) per TON	2,360	\$
02 6001.2	OHM - Disposal of Soil - Daily Cover Unlined Landfill (Class B-1) Dollars (\$)) per TON	2,360	\$
02 6001.3	OHM - Disposal of Soil - Daily Cover Lined Landfill (Class B-2) Dollars (\$)) per TON	330	\$
02 6001.4	OHM - Disposal of Soil - Non-Hazardous Solid Waste Asphalt Batching (Class B-3) Dollars () per TON	300	\$

02 6001.5	OHM - Disposal of Soil - Non-Hazardous Solid Waste Thermal Treatment (Class B-4)	300	\$
	Dollars (\$) _____) per TON		
02 6001.6	OHM - Disposal of Soil - Non-Hazardous Solid Waste (Class B-5)	300	\$
	Dollars (\$) _____) per TON		
31 0000.1	Test Pits	130	\$
	Dollars (\$) _____) per CY		
31 0000.2	Vacuum Excavation	5	\$
	Dollars (\$) _____) per DAY		
31 0000.3	Controlled Density Fill for Backfill	90	\$
	Dollars (\$) _____) per CY		
31 0000.5	Rock Removal	25	\$
	Dollars (\$) _____) per CY		
31 2319.1	Treatment of Construction Dewatering	2	\$
	Dollars (\$) _____) per DAY		

31 3113.1	Pest Control	1	\$
	Dollars (\$)) Lump Sum		
32 1090.1	Tree Protection and Maintenance	1	\$
	Dollars (\$)) Lump Sum		
32 1216.1	Temporary Asphalt (Trench Width and Temporary Ramps)	1,930	\$
	Dollars (\$)) per TON		
32 1216.2	Temporary Asphalt (MassDOT Highway)	110	\$
	Dollars (\$)) per SY		
32 1216.3	Permanent Asphalt (MassDOT Highway)	60	\$
	Dollars (\$)) per TON		
32 1216.4	Mill and Overlay 2" Asphalt Top Course	14,550	\$
	Dollars (\$)) per SY		
32 1216.5	Brick Crosswalk	40	\$
	Dollars (\$)) per SF		
32 1216.6	Remove and Reset Granite Curb (Straight and Curved)	910	\$
	Dollars (\$)) per LF		

32 1216.7	Driveways and Sidewalks	670	\$
	Dollars (\$) _____) per SY		
32 1216.8	Cast-in-Place Detectable Tile	160	\$
	Dollars (\$) _____) per SF		
32 1723.1	4-Inch to 8-Inch Reflectorized Pavement Markings – Yellow and White Thermoplastic	640	\$
	Dollars (\$) _____) per LF		
32 1723.2	Pavement Arrows and Square Foot Legend Refl. White (Thermoplastic)	150	\$
	Dollars (\$) _____) per SF		
32 1723.3	Crosswalks and Stop Lines Square Foot Refl. White (Thermoplastic)	3,160	\$
	Dollars (\$) _____) per SF		
32 1723.4	High Friction Surface Treatment	500	\$
	Dollars (\$) _____) per SF		
33 1416.1	16" DI Water Main	150	\$
	Dollars (\$) _____) per LF		

33 1416.2	12" DI Water Main	530	\$
	Dollars (\$) per LF		
33 1416.3	10" DI Water Main	240	\$
	Dollars (\$) per LF		
33 1416.4	8" DI Water Main	8,390	\$
	Dollars (\$) per LF		
33 1416.5	6" DI Water Main	390	\$
	Dollars (\$) per LF		
33 1416.6	Fittings, Couplings and Restraints	41,590	\$
	Dollars (\$) per LB		
33 1416.7	Valve Operation and Repair Allowance	1	\$50,000
	<u>Fifty thousand</u> Dollars (\$ 50,000) Allowance		
33 1417.1	Water Service Replacement	2,120	\$
	Dollars (\$) per LF		
33 1417.2	Water Service Private Property Replacement & Connection to Meter	870	\$
	Dollars (\$) per LF		

33 1417.3	Reconnection of Existing Water Services	250	\$
	Dollars (\$) _____) per EACH		
33 1419.1	16" Gate Valve and Gate Box	4	\$
	Dollars (\$) _____) per EACH		
33 1419.2	12" Gate Valve and Gate Box	6	\$
	Dollars (\$) _____) per EACH		
33 1419.3	10" Gate Valve and Gate Box	3	\$
	Dollars (\$) _____) per EACH		
33 1419.4	8" Gate Valve and Gate Box	36	\$
	Dollars (\$) _____) per EACH		
33 1419.5	6" Gate Valve and Gate Box	29	\$
	Dollars (\$) _____) per EACH		
33 1419.6	8" Linestop / Insertion Valve	3	\$
	Dollars (\$) _____) per EACH		
33 1420.1	Hydrant	28	\$
	Dollars (\$) _____) per EACH		

33 1421.1	Temporary Bypass Piping	1	\$
	Dollars (\$) _____) Lump Sum		
33 1422.1	Cured in Place Pipe – 16-inch	1,210	\$
	Dollars (\$) _____) per LF		
33 1423.1	Reconnect, Repair, or Relocate Existing Sanitary Sewer and Storm Drain Laterals	50	\$
	Dollars (\$) _____) per LF		

2.5% - 5%

Fuel Use Factor (Contractor shall indicate fuel use factor between ~~0.5% - 2.5%~~ as described in the measurement and payment for item 01 2200.1):

_____%
(Amount in figures)

(Amount in words)

Total Amount of Base Bid (Items 01 2200.1 through 33 1423.1) inclusive:

\$ _____
(Amount in figures)

(Amount in words)

ALTERNATE BID

The Alternate Bid consists of additional water main rehabilitation as the Owner's budget permits. Failure to provide a cost for the Alternate Bid will be basis for rejection of the bid.

ALTERNATE A (East Somerville, Arlington / Hathorn):

Item No.	Description	Estimated Quantity	Extended Total
01 3004.1A	Mobilization (2%)	1	\$
	Dollars (\$)) Lump Sum		
01 4000.1A	Quality Control and Testing	1	\$ 1,500
	One thousand, five hundred Dollars (\$)) Allowance		
01 5500.1A	Traffic and Pedestrian Management	1	\$
	Dollars (\$)) Lump Sum		
01 5713.1A	Sedimentation and Erosion Control	1	\$
	Dollars (\$)) Lump Sum		
01 8000.1A	Temporary Utility Support and Coordination	1	\$
	Dollars (\$)) Lump Sum		

01 8000.2A	Survey Construction Layout and Baseline, As-Built	1	\$
	Dollars (\$)) Lump Sum		
02 4100.1A	Disposal of Bituminous Concrete	550	\$
	Dollars (\$)) per TON		
02 6000.1A	OHM – Soil and Waste Management	1	\$
	Dollars (\$)) Lump Sum		
02 6001.1A	OHM - Disposal of Soil - Less Than RCS-1 (Class A)	280	\$
	Dollars (\$)) per TON		
02 6001.2A	OHM - Disposal of Soil - Daily Cover Unlined Landfill (Class B-1)	280	\$
	Dollars (\$)) per TON		
02 6001.3A	OHM - Disposal of Soil - Daily Cover Lined Landfill (Class B-2)	40	\$
	Dollars (\$)) per TON		
02 6001.4A	OHM - Disposal of Soil - Non-Hazardous Solid Waste Asphalt Batching (Class B-3)	40	\$
	Dollars () per TON		
02 6001.5A	OHM - Disposal of Soil - Non-Hazardous Solid Waste Thermal Treatment (Class B-4)	40	\$
	Dollars (\$)) per TON		

02 6001.6A	OHM - Disposal of Soil - Non-Hazardous Solid Waste (Class B-5)	40	\$
	Dollars (\$) _____) per TON		
31 0000.2A	Vacuum Excavation	1	\$
	Dollars (\$) _____) per DAY		
31 3113.1A	Pest Control	1	\$
	Dollars (\$) _____) Lump Sum		
32 1090.1A	Tree Protection and Maintenance	1	\$
	Dollars (\$) _____) Lump Sum		
32 1216.1A	Temporary Asphalt (Trench Width and Temporary Ramps)	220	\$
	Dollars (\$) _____) per TON		
32 1216.4A	Mill and Overlay 2" Asphalt Top Course	1,830	\$
	Dollars (\$) _____) per SY		
32 1216.6A	Remove and Reset Granite Curb (Straight and Curved)	63	\$
	Dollars (\$) _____) per LF		
32 1216.7A	Driveways and Sidewalks	33	\$
	Dollars (\$) _____) per SY		

32 1723.1A	4-Inch to 8-Inch Reflectorized Pavement Markings – Yellow and White Thermoplastic	17	\$
	Dollars (\$) _____) per LF		
32 1723.2A	Pavement Arrows and Square Foot Legend Refl. White (Thermoplastic)	30	\$
	Dollars (\$) _____) per SF		
32 1723.3A	Crosswalks and Stop Lines Square Foot Refl. White (Thermoplastic)	450	\$
	Dollars (\$) _____) per SF		
33 1416.2A	12" DI Water Main	40	\$
	Dollars (\$) _____) per LF		
33 1416.4A	8" DI Water Main	980	\$
	Dollars (\$) _____) per LF		
33 1416.5A	6" DI Water Main	50	\$
	Dollars (\$) _____) per LF		
33 1416.6A	Fittings, Couplings and Restraints	4,450	\$
	Dollars (\$) _____) per LB		

33 1417.1A	Water Service Replacement	200	\$
	Dollars (\$) _____) per LF		
33 1417.2A	Water Service Private Property Replacement & Connection to Meter	20	\$
	Dollars (\$) _____) per LF		
33 1417.3A	Reconnection of Existing Water Services	21	\$
	Dollars (\$) _____) per EACH		
33 1419.2A	12" Gate Valve and Gate Box	2	\$
	Dollars (\$) _____) per EACH		
33 1419.4A	8" Gate Valve and Gate Box	5	\$
	Dollars (\$) _____) per EACH		
33 1419.5A	6" Gate Valve and Gate Box	3	\$
	Dollars (\$) _____) per EACH		
33 1420.1A	Hydrant	3	\$
	Dollars (\$) _____) per EACH		

Total Amount of Alternate A (Items 01 3004A through 33 1420.1A) inclusive:

\$ _____
(Amount in figures)

(Amount in words)

ALTERNATE B (East Somerville, Ellsworth, Pearl, Flint):

Item No.	Description	Estimated Quantity	Extended Total
01 3004.1B	Mobilization (2%)	1	\$
	_____ Dollars (\$)) Lump Sum		
01 4000.1B	Quality Control and Testing	1	\$ 1,190
	One thousand, one hundred ninety _____ Dollars (\$)) Allowance		
01 5500.1B	Traffic and Pedestrian Management	1	\$
	_____ Dollars (\$)) Lump Sum		
01 5713.1B	Sedimentation and Erosion Control	1	\$
	_____ Dollars (\$)) Lump Sum		

01 8000.1B	Temporary Utility Support and Coordination	1	\$
	Dollars (\$)) Lump Sum		
01 8000.2B	Survey Construction Layout and Baseline, As-Builts	1	\$
	Dollars (\$)) Lump Sum		
02 4100.1B	Disposal of Bituminous Concrete	460	\$
	Dollars (\$)) per TON		
02 6000.1B	OHM – Soil and Waste Management	1	\$
	Dollars (\$)) Lump Sum		
02 6001.1B	OHM - Disposal of Soil - Less Than RCS-1 (Class A)	220	\$
	Dollars (\$)) per TON		
02 6001.2B	OHM - Disposal of Soil - Daily Cover Unlined Landfill (Class B-1)	220	\$
	Dollars (\$)) per TON		
02 6001.3B	OHM - Disposal of Soil - Daily Cover Lined Landfill (Class B-2)	30	\$
	Dollars (\$)) per TON		
02 6001.4B	OHM - Disposal of Soil - Non-Hazardous Solid Waste Asphalt Batching (Class B-3)	30	\$
	Dollars () per TON		

02 6001.5B	OHM - Disposal of Soil - Non-Hazardous Solid Waste Thermal Treatment (Class B-4)	30	\$
	Dollars (\$) _____) per TON		
02 6001.6B	OHM - Disposal of Soil - Non-Hazardous Solid Waste (Class B-5)	30	\$
	Dollars (\$) _____) per TON		
31 0000.2B	Vacuum Excavation	1	\$
	Dollars (\$) _____) per DAY		
31 0000.4B	Over Excavation and Backfill of Geotechnically Unsuitable Material	80	\$
	Dollars (\$) _____) per CY		
31 3113.1B	Pest Control	1	\$
	Dollars (\$) _____) Lump Sum		
32 1090.1B	Tree Protection and Maintenance	1	\$
	Dollars (\$) _____) Lump Sum		
32 1216.1B	Temporary Asphalt (Trench Width and Temporary Ramps)	190	\$
	Dollars (\$) _____) per TON		

32 1216.4B	Mill and Overlay 2" Asphalt Top Course	1,360	\$
	Dollars (\$) _____) per SY		
32 1216.6B	Remove and Reset Granite Curb (Straight and Curved)	27	\$
	Dollars (\$) _____) per LF		
32 1216.7B	Driveways and Sidewalks	17	\$
	Dollars (\$) _____) per SY		
32 1723.1B	4-Inch to 8-Inch Reflectorized Pavement Markings – Yellow and White Thermoplastic	83	\$
	Dollars (\$) _____) per LF		
32 1723.3B	Crosswalks and Stop Lines Square Foot Refl. White (Thermoplastic)	380	\$
	Dollars (\$) _____) per SF		
33 1416.1B	16" DI Water Main	20	\$
	Dollars (\$) _____) per LF		
33 1416.2B	12" DI Water Main	20	\$
	Dollars (\$) _____) per LF		

33 1416.4B	8" DI Water Main	770	\$
	Dollars (\$)) per LF		
33 1416.5B	6" DI Water Main	60	\$
	Dollars (\$)) per LF		
33 1416.6B	Fittings, Couplings and Restraints	3,760	\$
	Dollars (\$)) per LB		
33 1417.1B	Water Service Replacement	170	\$
	Dollars (\$)) per LF		
33 1417.3B	Reconnection of Existing Water Services	22	\$
	Dollars (\$)) per EACH		
33 1419.4B	8" Gate Valve and Gate Box	5	\$
	Dollars (\$)) per EACH		
33 1419.5B	6" Gate Valve and Gate Box	3	\$
	Dollars (\$)) per EACH		
33 1420.1B	Hydrant	3	\$
	Dollars (\$)) per EACH		

Total Amount of Alternate B (Items 01 3004B through 33 1420.1B) inclusive:

\$ _____
(Amount in figures)

(Amount in words)

Total Amount of Bid: Equals total amount of Base Bid plus total amount of Alternates A and B.

\$ _____
(Amount in figures)

(Amount in words)

Determination of the lowest responsible Bidder will be accomplished in the following manner. First, bids for the Base Bid will be compared against available funds (as determined by the Owner). If available funds remain following that comparison, the Alternate Bid will be added to the Base Bid until available funds are exhausted, or all Alternate Items have been added, and the determination of the lowest responsible Bidder will be determined on that basis.

The Owner reserves the right, at any time during the progress of the work, to restore all or part of any items omitted from the initial contract award at the price(s) bid.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

CITY OF SOMERVILLE, MASSACHUSETTS

EAST SOMERVILLE WATER MAIN UPGRADES

PROJECT

JUNE 2025

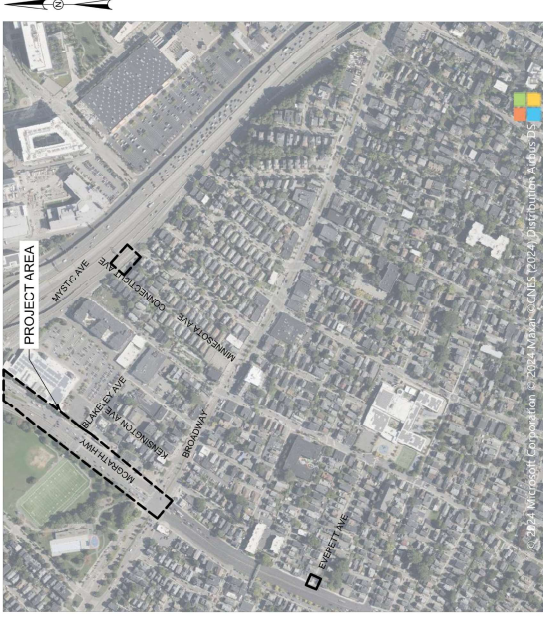
DRAWING LIST	
SHEET NUMBER	SHEET TITLE
1	COVER

MAYOR

KATJANA BALLANTYNE

DIRECTOR OF ENGINEERING

BRIAN POSTLEWATE



LOCUS PLAN
(N.T.S.)

DRAWING LIST	
SHEET NUMBER	SHEET TITLE
--	COVER
G-1	PROJECT OVERVIEW
G-2	GENERAL NOTES
G-3	GENERAL NOTES AND LEGEND
G-4	WATER SERVICE NOTES
CG-1	WATER MAIN DETAILS I
CG-2	WATER MAIN DETAILS II
CG-3	WATER MAIN DETAILS III
CG-4	WATER MAIN DETAILS IV
C-1	WATER MAIN PLAN - MCGRATH STA 0+00 TO STA 4+40
C-2	WATER MAIN PLAN - MCGRATH STA 4+50 TO STA 5+75
C-3	WATER MAIN PLAN - MCGRATH STA 5+75 TO STA 13+74
	WATER MAIN PLAN - KENSINGTON AND BLAKEY ST STA 100+00 TO STA 105+69 AND STA 200+00 TO STA 204+13
C-6	WATER MAIN PLAN - MINNESOTA & CONNECTICUT STA 300+00 TO STA 309+38
C-6	WATER MAIN PLAN - WISCONSIN & RHODE ISLAND STA 309+38 TO STA 318+02
C-7	WATER MAIN PLAN - VERMONT, NEW HAMPSHIRE, & LINCOLN STA 400+00 TO STA 411+16
C-8	WATER MAIN PLAN - INDIANA & MAINE STA 500+00 TO STA 507+95
C-9	WATER MAIN PLAN - AUSTIN & MAINE TERRACE 307+46 TO STA 510+04
C-10	WATER MAIN PLAN - HATHORN & ARLINGTON STA 600+00 TO STA 603+44 AND STA 800+00 TO STA 804+97
C-11	WATER MAIN PLAN - CUTLER ST STA 1000+00 TO STA 1007+83
C-12	WATER MAIN PLAN - BROOK ST & ELLSWORTH STA 1100+00 TO STA 1105+44 AND STA 1200+00 TO STA 1202+48
C-13	WATER MAIN PLAN - WYOMING PLANT AVE. & BEAR ST STA 1300+00 TO STA 1304+38, STA 1400+00 TO STA 1402+22 AND STA 700+00 TO STA 701+68
C-14	WATER MAIN PLAN - EVERETT STA 1500+00 TO STA 1507+72
TD-1	TRAFFIC MANAGEMENT NOTES
TD-2	TRAFFIC MANAGEMENT DETAILS I
TD-3	TRAFFIC MANAGEMENT DETAILS II
TMP-1	TRAFFIC MANAGEMENT PLAN - MCGRATH PHASE 1A
TMP-2	TRAFFIC MANAGEMENT PLAN - MYSTIC AVE PHASE 1B
TMP-3	TRAFFIC MANAGEMENT PLAN - MCGRATH PHASE 2A
TMP-4	TRAFFIC MANAGEMENT PLAN - MYSTIC AVE PHASE 2B
TMP-5	TRAFFIC MANAGEMENT PLAN - EVERETT AVE
TMP-6	TRAFFIC MANAGEMENT PLAN - MYSTIC AVE
TD-1	TRAFFIC DETOUR PLAN - BLAKEY AVE

BID
DOCUMENTS

CONSTRUCTION SIGN LEGEND

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH HEIGHT	SIGN	TEXT DIMENSIONS AND COLOR
M4-Sb	24" 18"		SEE 2023 MUTCD
M4-R(L)	30" 24"		
M4-R(R)	30" 24"		
M4-SL	30" 24"		
M4-SR	30" 24"		
M4-SV	30" 24"		
M4-10L	48" 18"		
M4-R2-10a	48" 30"		SEE MASSDOT STANDARD SIGNS
M4-R19-2a	36" 48"		
M4-M4-7L	36" 36"		
M4-M4-7R	36" 36"		
R1-2	30" 24.5"		SEE 2023 MUTCD
R2-1	24" 24"		
R3-7L	30" 30"		
R3-7R	30" 30"		
R4-1	24" 30"		
R5-9	24" 24"		
R5-10	24" 24"		
R5-10aL	24" 24"		
R5-10aR	24" 24"		
R11-4	48" 30"		
R11-2	48" 30"		
W1-4L	30" 30"		
W1-4R	30" 30"		
W5-1	36" 36"		
W20-1a	36" 36"		
W20-2	36" 36"		
W20-5R	36" 36"		
W21-5	36" 36"		

STREET OPENING PERMIT NOTES

- NO ACTIVITY SHALL BEGIN BEFORE 7:00 AM, OR EXTEND BEYOND 4:00 PM, MONDAY THROUGH FRIDAY, UNLESS APPROVED BY THE DPW COMMISSIONER OR THE DIRECTOR OF OPERATIONS.
- NO MATERIALS SHALL BE STORED IN THE AREA OF THE STREET AND SIDEWALK OUTSIDE OF WORKING HOURS UNLESS APPROVED BY THE CITY. ANY MATERIALS OR EQUIPMENT STORED WITHIN THE CITY RIGHT OF WAY SHALL BE PROTECTED WITH ILLUMINATION, LIGHTING AND SAFETY BARRICADES.
- IF THE CONTRACTOR CANNOT MAINTAIN AN ADA/AA ACCESSIBLE ROUTE DURING CONSTRUCTION, A SIDEWALK OCCUPANCY PERMIT IS REQUIRED.
- WHEN FOR REASON OF SAFETY IT IS NECESSARY FOR WORK TO BE DONE OUTSIDE OF WORKING HOURS, THE CONTRACTOR WILL BE NOTIFIED TO TAKE CORRECTIVE ACTION. IF THE CONTRACTOR CANNOT BE CONTACTED OR FAILS TO COOPERATE, THE CITY WILL TAKE CORRECTIVE ACTION AND BILL THE CONTRACTOR.
- ANY DAMAGE TO SIDEWALKS IN THE VICINITY OF THE PROPOSED WORK SHOULD BE DOCUMENTED WITH THE ENGINEERING DIVISION PRIOR TO THE START OF WORK. ANY DAMAGED SIDEWALK PANELS NOT PREVIOUSLY NOTED OR DAMAGED DURING CONSTRUCTION MUST BE REPAIRED/REPLACED BY THE CONTRACTOR COMPLETING THE WORK.
- PERMIT APPLICATIONS SHALL INDICATE ANY SIDEWALK SLAB, ADJACENT TO THE WORK THAT IS CRACKED, BROKEN, SCALED, OR IS RAISED MORE THAN ONE-HALF INCH (1/2") WHEN COMPARED TO ADJUTING PANEL. IF NOT SHOWN ON THE PLAN THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT.
- PER CONTRACT, CONTRACTOR IS RESPONSIBLE FOR RESTORATION IN KIND OF ANY PEDESTRIAN ISLANDS, SIDEWALKS, BRICK CROSSWALKS, PAVEMENT MARKINGS, FLEXPOISTS, ETC IF IMPACTED.
- CONTRACTOR MUST MAINTAIN WORK ZONE TO MAINTAIN TWO LANES OF VEHICULAR TRAVEL ON BROADWAY AT ALL TIMES. CONTRACTOR SHALL REMOVE ADDITIONAL TRAVEL LANES, PARKING LANES, TURNING LANES, AND BIKE LANES IN THAT ORDER OF PRIORITY WHEN ADDITIONAL SPACE IS NEEDED TO ACCOMMODATE A SECOND TRAVEL LANE.
- CONTRACTOR MAY ONLY REDUCE BROADWAY DOWN TO ONE VEHICULAR TRAVEL LANE WITH WRITTEN APPROVAL FROM ENGINEERING. TWO SOMERVILLE POLICE DETAILS ARE REQUIRED TO COORDINATE SINGLE LANE, TWO-WAY ALTERNATING TRAFFIC PATTERN.
- CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGNAGE AT LEAST 48 HOURS PRIOR TO OCCUPYING SIDEWALK FOR STAGING OR CONSTRUCTION IN ANY WORK ZONE. CONTRACTOR MUST ADAPT 311 AFTER THE TEMPORARY NO PARKING SIGNS ARE INSTALLED TO PARKING SIGNS OR BE INSTALLED FOR A ONE WEEK PERIOD. NEW TEMPORARY NO PARKING SIGNS MUST BE INSTALLED PRIOR TO THE START OF WORK ON THE WORK ZONE.
- CONTRACTOR MUST MAINTAIN WORK ZONE TO MAINTAIN SIDEWALK INTERSECTION TO THE ADJACENT PRACTICAL.
- CONTRACTOR MUST INSTALL TRAFFIC CONTROL SIGNS TO ALLOW TRAFFIC ACCESS TO PRIVATE PROPERTY.
- IF THE PROPOSED PARKING IMPACTS RESULT IN THE LOSS OF AN ADA PARKING SPACE OR LOADING ZONE, CONTRACTOR SHALL PROVIDE A TEMPORARY SPACE AT FIRST AVAILABLE LEGAL PARKING SPACE.
- CONTRACTOR MUST PIN AND SHOW ALL ROAD PLATES WHEN USED IN AREAS WHERE ACTIVE CONSTRUCTION IS NOT OCCURRING.
- PLATES THAT ARE IN DEDICATED BIKE LANES SHALL HAVE A HIGH FRICTION COATING. ANY PLATE THAT IS SCHEDULED TO BE UNUSED FOR MORE THAN FOUR WEEKS MUST BE RECESSED.

BIKEWAY TRAFFIC NOTES:

- BIKEWAY TRAFFIC SHALL BE ACCOMMODATED ON ALL PUBLIC STREETS EITHER WITHIN BIKEWAY LANES WHERE EXISTING OR IN VEHICULAR TRAVEL LANES.
- PROPOSED LANE SHIFTS MAY REQUIRE BIKE LANE CLOSURES ON BROADWAY. CONTRACTOR SHALL INSTALL BIKEWAY LANE CLOSURE SIGNAGE (R4-11) AT LEAST 100' AHEAD OF THE LANE SHIFT.
- WHERE BIKEWAY LANES ARE NOT PRESENT, PROVIDE A SHARED VEHICLE LANE AS WIDE AS PHYSICALLY FEASIBLE.
- WHEN TRAVEL LANES ARE RESTRICTED TO LESS THAN 14 FEET IN WIDTH, WARNING SIGNAGE (W11-1/1W16-1) COMBINATION - BIKEWAY WARNING SYMBOL WITH SHARE THE ROAD PLACARD SHALL BE PLACED WARNING MOTOR VEHICLE OPERATORS OF THE PRESENCE OF BICYCLES IN THE ROADWAY.
- IF THE DISRUPTION OCCURS IN A BIKEWAY LANE OVER A SHORT DISTANCE (APPROXIMATELY 500 FEET OR LESS), BICYCLISTS SHOULD BE ROUTED TO SHARE A MOTOR VEHICLE LANE.
- ON PROJECTS WHERE THE DISRUPTION OCCURS OVER A LONGER DISTANCE (MORE THAN 500 FEET), AND ON BUSY ROADWAYS, A TEMPORARY BIKEWAY LANE OR WIDE OUTSIDE LANE (AT LEAST 14 FEET) SHOULD BE PROVIDED. IF THAT IS NOT FEASIBLE, PROVIDE ACCESS, INCLUDING RAMPS IF NECESSARY, FOR BICYCLISTS TO HAVE THE OPTION OF USING SIDEWALKS EXCEPT WITHIN ZONES WHERE SIDEWALK BICYCLE RIDING IS PROHIBITED BY THE CITY.
- DEBRIS SHOULD BE SWEEPED TO MAINTAIN A REASONABLY CLEAR RIDING SURFACE IN THE BIKEWAY LANES OR, WHERE THERE ARE NO BIKEWAY LANES, THE OUTER 5 OR 6 FEET OF ROADWAY. PROMPTLY REMOVE GRAVEL, DEBRIS, LITTER, SAND, STONE, AND OTHER OBSTRUCTIONS FROM BIKEWAY LANES AND TRAVEL LANES.
- ADVANCE CONSTRUCTION SIGNS SHALL NOT BE PLACED IN BIKEWAY LANES AND SHALL NOT OTHERWISE OBSTRUCT BICYCLISTS' PATH.

TRAFFIC MANAGEMENT GENERAL NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE ENGINEER OR OWNER'S REQUEST.
- ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROPERLY SECURED.
- ALL DRUMS NOT OTHERWISE SPECIFIED SHALL BE EQUIPPED WITH TYPE "C" - STEADY SURF WARNING LIGHTS. ALL DRUMS SHALL BE SET @ 5' O.C. MAX. UNLESS OTHERWISE NOTED OR ADJUSTED BY THE ENGINEER OR OWNER.
- TEMPORARY TRAFFIC LANES WITHIN THE WORK ZONE SHALL BE A MINIMUM WIDTH OF 11 FEET.
- NON-ESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORK HOURS.
- ALL TRAVEL WAYS SHALL BE PROTECTED FROM DUST AND CONSTRUCTION DEBRIS AT ALL TIMES.
- CONSTRUCTION WORK ZONE SHALL BE STAGED AS TO ALLOW FOR CONTINUOUS ACCESS AT DRIVE ENTRANCES AND TO MINIMIZE DETOURS TO SOMERVILLE ROADS.
- SAFE PEDESTRIAN WALKWAYS AND ACCESS TO LOCAL BUSINESSES AND RESIDENCES SHALL BE PROVIDED. PUBLIC WALKWAYS SHALL REMAIN OPEN AND ACCESSIBLE UNLESS OTHERWISE DIRECTED BY THE CITY.
- 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 ENGINEER OR OWNER PRIOR TO IMPLEMENTATION.
- THE CITY OF SOMERVILLE POLICE DETAILS SHALL BE SCHEDULED AND COORDINATED BY THE CONTRACTOR TO MAINTAIN THE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- DETOURS SHALL ONLY BE ALLOWED AS INDICATED OR AS APPROVED BY THE CITY OF SOMERVILLE.
- PARKING SHALL BE RESTRICTED WITHIN WORK ZONES, AND BUFFER AND TAPER LENGTHS.
- THE CONTRACTOR SHALL COORDINATE WITH THE METRA AS NECESSARY FOR PROVIDING TEMPORARY BUS STOPS OR AREAS WHERE BUS STOPS NEED TO BE RELOCATED DUE TO ACTIVE CONSTRUCTION.
- ALL R9-9 AND R9-11 (L OR R) SIGNS ARE TO BE ON TYPE II BARRICADES.

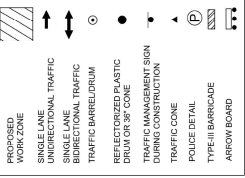
BLUEBIKE HUBS TO REMAIN ACCESSIBLE

BLUEBIKE HUB ID	LOCATION
S32017	BROADWAY AND ILLINOIS AVE

MBTA BUS STOPS TO REMAIN ACCESSIBLE

BUS STOP	MBTA BUS STOP NUMBER	BUS LINE
BROADWAY @ ILLINOIS AVE	#2719	89, 90, 101
BROADWAY @ AUSTIN ST	#2718	89, 90, 101
CROSS ST @ OTIS STREET	#2749	90
CROSS ST @ ELLSWORTH ST	#2746	90

TMP LEGEND



One Beacon Street, Suite 8100
Somerville, MA 02143
Phone: 617-487-7884
www.kleinfelder.com



Drawn By: ANGUS O'LEARY
#5119

REV	DESCRIPTION	DATE
4	ADDENDUM 4	6/23/2025

SCALE VERIFICATION
THIS BAR IS 1" INCH IN LENGTH ON ORIGINAL DRAWING
IF ITS NOT 1" INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 24" X 36"

TRAFFIC MANAGEMENT NOTES

EAST SOMERVILLE
WATER MAIN UPGRADES PROJECT



CITY OF SOMERVILLE
ENGINEERING DEPARTMENT
1 FRANEY RD
SOMERVILLE, MA 02145

BID DOCUMENTS

PROJECT NO.	24000505
ISSUE DATE	05/08/2024
CURRENT REVISION	-
DESIGNED BY	CD
DRAWN BY	CD
CHECKED BY	JN
APPROVED BY	GC

BID
DOCUMENTS

TG-1

REV	DESCRIPTION	DSN	CHK	DATE
4	ADDENDUM 4			6/23/2025

SCALE VERIFICATION
THIS BAR IS 1" INCH IN LENGTH
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SHEET ADJUST YOUR
SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 24" x 34"

**TRAFFIC MANAGEMENT PLAN -
MCGRATH PHASE 1A**

EAST SOMERVILLE
WATER MAIN UPGRADES PROJECT

CITY OF SOMERVILLE
ENGINEERING DEPARTMENT
1 FRANEY RD
SOMERVILLE, MA 02145

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PROJECT NO.	2400505
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CHECKED BY	JN
APPROVED BY	GO
SHEET	25 of 32

TMP-1

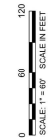


CONSTRUCTION PHASE	DESCRIPTION
1A	CIPP LINING ON MCGRATH HIGHWAY FROM BROADWAY TO BLAKELEY AVENUE
1B	CIPP LINING ON MCGRATH HIGHWAY FROM BLAKELEY AVENUE TO MYTIC AVENUE
2A	WATER MAIN REPLACEMENT ON MCGRATH HIGHWAY FROM BROADWAY TO BLAKELEY AVENUE
2B	WATER MAIN REPLACEMENT ON MCGRATH HIGHWAY FROM BLAKELEY AVENUE TO MYTIC AVENUE

NOTES:
1. CONTRACTOR SHALL COORDINATE LOCATION AND MESSAGE FOR VARIABLE MESSAGE BOARDS WITH THE CITY AND MASSDOT DURING CONSTRUCTION.
2. LIGHTED TRAFFIC LABELS TO BE USED.

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DOCUMENTS

MCGRATH PHASE 1A CIPP SETUP
SCALE: 1" = 60'



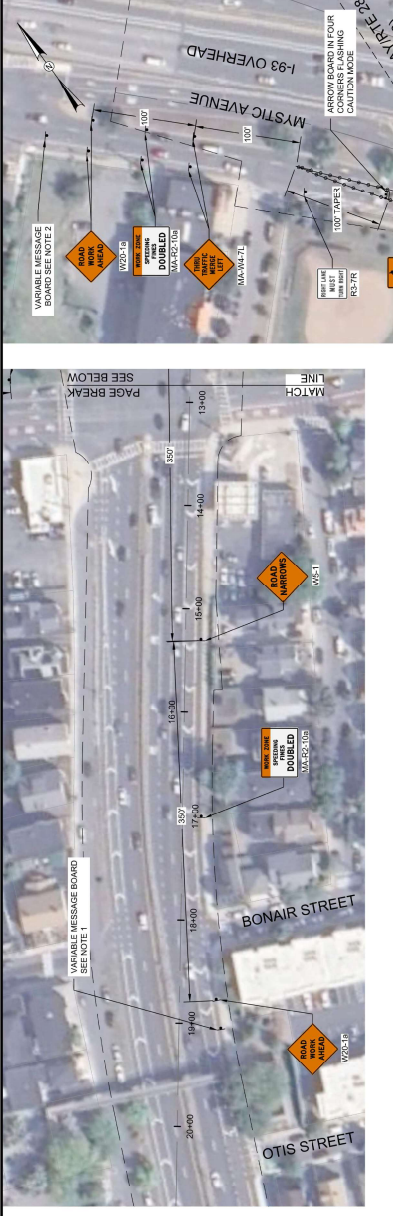
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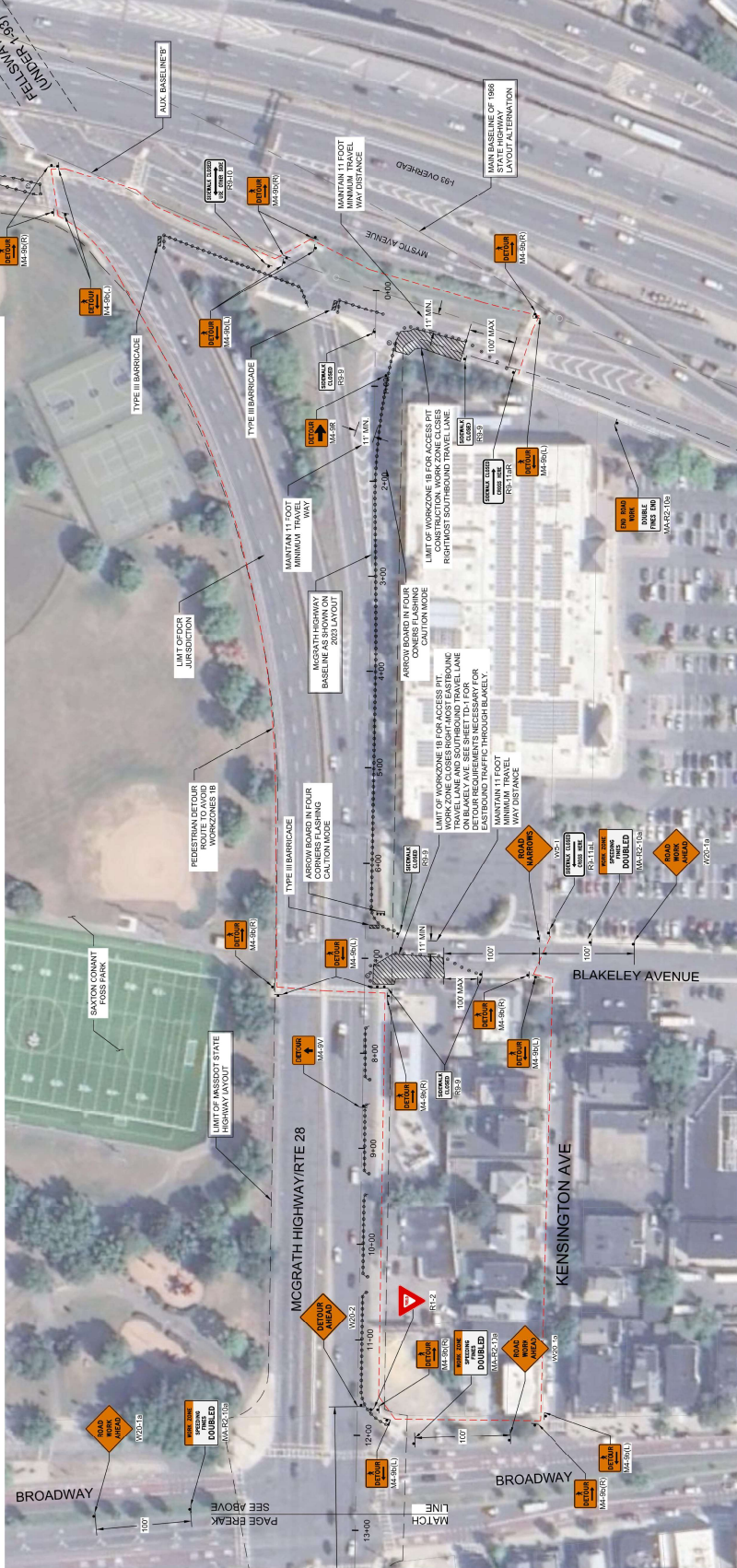
ANGUS J. O'LEARY
Professional Engineer
No. 51135
State of Massachusetts

6/16/2025
Signed By: ANGUS O'LEARY # 51135

REV	DESCRIPTION	DATE
4	ADDENDUM 4	6/23/2025



CONSTRUCTION PHASE	DESCRIPTION
1A	CIPP LINING ON MCGRATH HIGHWAY FROM BROADWAY TO BLAKEY AVENUE
1B	CIPP LINING ON MCGRATH HIGHWAY FROM BLAKEY AVENUE TO MYSTIC AVENUE
2A	WATER MAIN REPLACEMENT ON MCGRATH HIGHWAY FROM BROADWAY TO BLAKEY AVENUE
2B	WATER MAIN REPLACEMENT ON MCGRATH HIGHWAY FROM BLAKEY AVENUE TO MYSTIC AVENUE



BID DOCUMENTS

MYSTIC AVE PHASE 1B CIPP SETUP
SCALE: 1" = 60'

0 60 120
SCALE IN FEET

NOTES:
1. CONTRACTOR SHALL COORDINATE LOCATION AND MESSAGE FOR VARIABLE MESSAGE BOARDS WITH THE CITY AND MASSDOT DURING THE CONSTRUCTION PHASE.
2. CONTRACTOR SHALL COORDINATE PEDESTRIAN TRAFFIC AND CROSSINGS TO DIRECT PEDESTRIAN TRAFFIC AROUND CLOSED PORTION OF HIGHWAY.
3. CONTRACTOR SHALL COORDINATE LOCATION AND MESSAGE FOR VARIABLE MESSAGE BOARDS WITH THE CITY AND MASSDOT DURING THE CONSTRUCTION PHASE.
4. LIGHTED TRAFFIC BARRELS TO BE USED.

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZES 24" x 34"

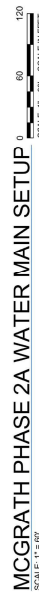
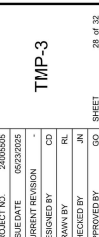
TRAFFIC MANAGEMENT PLAN - MYSTIC AVE PHASE 1B

EAST SOMERVILLE
WATER MAIN UPGRADES PROJECT

CITY OF SOMERVILLE
ENGINEERING DEPARTMENT
1 FRANEY RD
SOMERVILLE, MA 02145

BID DOCUMENTS

PROJECT NO.	24000505
ISSUE DATE	05/23/2025
DESIGNED BY	CD
DRAWN BY	RL
CHECKED BY	JN
APPROVED BY	GO
SHEET	27 of 32

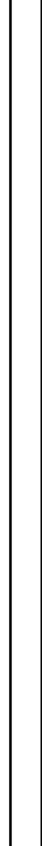


CONSTRUCTION PHASE	DESCRIPTION
1A	CPII LUNING ON MCGRAW-HILL FROM BROADWAY TO BLAKEY AVENUE
1B	CPII LUNING ON MCGRAW-HILL FROM BLAKEY AVENUE TO MYSTIC AVENUE
2A	WATER MAIN REPAIR/ACCRETION ON MCGRAW-HILL FROM BROADWAY TO BLAKEY AVENUE
2B	WATER MAIN REPAIR/ACCRETION ON MCGRAW-HILL FROM BLAKEY AVENUE TO MYSTIC AVENUE

NOTES:
1. CONTRACTOR SHALL COORDINATE LOCATION AND MESSAGE FOR VARIABLE MESSAGE BOARDS WITH THE CITY AND MASSDOT DURING THE CONSTRUCTION PHASE.
2. LIGHTED TRAFFIC BARRELS TO BE USED.



LIGHTED TRAFFIC BARRELS TO BE USED.

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ISSUE DATE	05/23/2025
CURRENT REVISION	-
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ISSUE DATE	05/23/2025
CURRENT REVISION	-
DESIGNED BY	CD
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EVERETT WATER MAIN SETUP

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NOTES:
CONTRACTOR SHALL COORDINATE LOCATION AND MESSAGE FOR VARIABLE MESSAGE BOARDS WITH THE CITY AND MASSDOT DURING THE CONSTRUCTION PHASE.
LIGHTED TRAFFIC BARRELS TO BE USED

One Beacon Street, Suite 8100
Boston, MA 02108
phone: 617-497-7808
www.kleinfield.com



	REVISIONS	DESCRIPTION	ISSN	CHECK DWI APP	DATE
V		ADDENDUM 4			02/20/2026

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH
ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS
SHEET ADJUST YOUR
SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

TRAFFIC MANAGEMENT PLAN
MYSTIC AVENUE

**EAST SOMERVILLE
WATER MAIN UPGRADES PROJECT**



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ISSUE DATE	05/23/2025
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PLAN
SCALE: 1" = 20'



0 20 40 60,000
SCALE: 1" = 20'
SCALE IN FEET

BID
DOCUMENTS

NOTE:
1. LIGHTED TRAFFIC BARRELS TO BE USED

One Beacon Street, Suite 8100
Boston, MA 02108
Phone: 617-497-7800
www.Melnfelder.com

[illegible]

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SCALES ACCORDINGLY

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TRAFFIC DETOUR PLAN

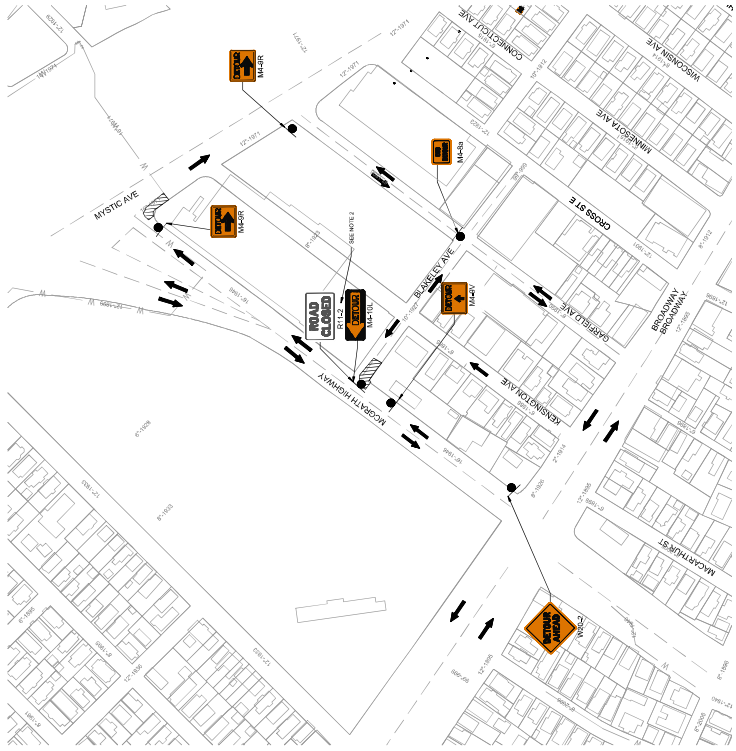
**EAST SOMERVILLE
WATER MAIN UPGRADES PROJECT**



CITY OF SOMERVILLE
ENGINEERING DEPARTMENT
1 FRANEY RD
SOMERVILLE, MA 02145

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PROJECT NO.	240066005
ISSUE DATE	12/4/2024
CURRENT REVISION	-
DESIGNED BY	RI
DRAWN BY	EA
CHECKED BY	JN
APPROVED BY	GO

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DOCUMENTS

BLAKELEY VEHICULAR DETOUR PLAN



NOTES:

1. CONTRACTOR SHALL POST PROPOSED DETOUR SIGNS ON SHEET TD-1 AT ANY PROPOSED CHANGES IN EXISTING TRAFFIC CONDITIONS
2. SIGN R11-2 SHALL BE ON A TYPE III BARRICADE

