#### **MONTAGUE CAPITAL IMPROVEMENTS COMMITTEE**

#### **REVISED MEETING AGENDA**

### **Meeting Accessible Via Zoom Only**

https://us02web.zoom.us/j/83065170159?pwd=Z7ioCPjgbTdgo

w0p6jUGAIDGL9WZAl.1 or Phone: (646) 931-3860

Meeting ID: 830 6517 0159 Passcode: 853626

Wednesday, January 29, 2025 from 3:30 to 5:00 pm

#### **Votes May Be Taken**

- 1. Call to Order and Approve any outstanding meeting minutes: 1/22/25
- 2. Review of Committee report to February 12, 2025 Special Town Meeting
- 3. Review of Selectboard Capital Article Requests to Annual Town Meeting
  - a. FRTA bus stop improvements (Industrial Blvd/Millers Falls Rd) (\$60,000)
  - b. Montague Center Complete Streets Design (\$91,200)
- 4. Review slate of all capital requests: updates and discussion
- 5. Next steps in the FY26 Capital Planning Cycle
- 6. Topics not anticipated in the 48 hour posting requirements
- 7. Set next meeting date and time
- 8. Adjournment

#### MONTAGUE CAPITAL IMPROVEMENTS COMMITTEE

#### **Meeting Minutes**

#### **Meeting Accessible Via Zoom Only**

https://us02web.zoom.us/j/82139538190?pwd=jscrkx3TWlOxKPaiyiw0MaAxZB8dhc.1 or

Phone: (646) 931-3860

Meeting ID: 821 3953 8190 Passcode: 025405

#### In Attendance:

CIC Members: Gregory Garrison (GG), Chris Menegoni (CM), Ariel Elan (AE), Lynn Reynolds (LR), Jason Burbank (JB) (arrived at 4:02 PM)

Town Staff: Christopher Nolan-Zeller (CNZ)- Assistant Town Administrator, Jon Dobosz (JD) – Director of Parks & Recreation, Caitlin Kelley (CK) – Library Director, Tricia Perham (TP) – Library Trustee

#### Meeting called to order 3:31PM, GG Presiding

1. Call to Order and Approve any outstanding meeting minutes: 1/15/25

MOTION to approve the minutes of 1/15/25, by GG, LR Seconded. CM-AYE, GG-AYE, LR-AYE, AE-ABSTAIN, JB-ABSENT. MOTION PASSED

- 2. **3:30 PM:** Review of Parks & Recreation Capital Article Requests for Annual Town Meeting (Director of Parks & Recreation Jon Dobosz, invited)
  - a. Unity Park playground improvements (\$125,000)

JD explained that his request includes the installation of new pour-in-place surfacing, as well as replacement of a tube slide. The current pour-in-place is from 2012, with a typical life expectancy of 10-12 years. The Department has worked with DPW to patch where possible, but this has not consistently been feasible. Pour-in-place is expensive, but vital for providing an ADA-accessible facility, providing far better accessibility than wood fiber, and helping the park to receive and accessibility award 10 years ago. The tube slide is the playground's most popular feature. It dates back to 2000 and is showing its age. Unfortunately, no known grant sources are available to fund these improvements, with the Town's PARC and CDBG awards being used on other projects.

GG asked whether the slide was attached to a structure, and what the cost for each of these improvements was. JD responded that the slide was freestanding, and the estimates for pour-in-place and the new tube slide were \$100,000 and \$25,000, respectively.

AE asked whether there was any issue with how the old infrastructure was installed, and whether any alternative surfaces to pour-in-place were available that were not petroleum-based. JD responded that the infrastructure had been installed well, but was merely nearing the end of its useful life, and that he was not aware of any feasible surfacing that is not petroleum-based, with artificial turf no longer being permissible due to its pellets, and rubberized matting not being feasible in our climate due to frost heaving.

- 3. **4:00 PM:** Review of Public Libraries Capital Article Requests for Annual Town Meeting (Library Director Caitlin Kelley, invited)
  - a. Millers Falls Library storefront renovation (\$39,000)

CK discussed that she had chosen to advance this project instead of the Carnegie Library roof replacement, despite the latter being listed first on previous versions of the Capital Improvement Plan, due to the uncertain future of the Carnegie building. The storefront is the last section of the Millers Falls Library to see improvements, currently dating back to the 50s-60s. A regular building façade would be preferable. TP provided specifications. Replacing the ceiling was originally added, but would almost double the cost, with the ceiling alone being estimated at another \$34,000.

GG asked about the current age of the ceiling. TP responded that it likely dates back to when the building served as an appliance store. GG noted that the ceiling would need to be dealt with eventually, with TP noting it could have benefits for heating and cooling, but explaining that renovating the storefront is a higher priority.

AE recommended the two improvements be submitted as two separate articles, and that she would be interested in hearing JB's interpretation of the importance of replacing the ceiling from a heating conservation standpoint.

GG asked if drawings were available. TP responded that they were not yet, but Renaissance Builders had discussed recommendations and cost estimates. They proposed keeping the layout the same, but with two fixed casement windows for light, with more privacy and wall space than the current arrangement. An ADA-compliant door and improved energy efficiency would also be included.

CM asked whether replacing the Carnegie roof was still a high priority. CK responded that it was not, and can realistically wait until the future of that building is more known.

JB and TP discussed different ceiling materials.

GG explained that the requests would be split for additional review, and recommended to CK that the updated requests cite the energy savings advantages of both projects.

AE added that rudimentary sketches should be included for review at Town Meeting. TP responded that these would be included.

JB asked about how the newly-renovated Carnegie basement was holding up in the cold. CK responded that the new mini-splits take a while to heat up, but do well once they get going, noting that the HVAC subcontractor did a great job.

4. Review of Committee report to February 12, 2025 Special Town Meeting

GG expressed approval with most of the report, but requested that a piece be added about the fact that CWF staff would be providing in-house labor for the breakroom renovation project. LR and CM expressed agreement. AE requested that some of the conditional language be changed to reflect more present tense.

5. Status review of ongoing major capital projects

CNZ provided updates on the following projects

- a. Avenue A Streetscape improvements

  Construction is set to begin in mid-late March, starting with the block of storefronts on the even side between 2<sup>nd</sup> and 3<sup>rd</sup> Street.
- b. Turners Falls Manhole Rehabilitation
  The contract has been awarded, and a construction kickoff meeting with the contractor, engineer, and Town staff will be taking place in the next two weeks.
  All work must be completed by June 30, 2025.
- c. Strathmore Mill Demolition design
  The project remains in design, with the Town aiming for a late Spring-Summer bidding period.
- d. CWF fine bubble aerators/diffusers
  The contract for materials has been awarded, and the Town will be installing these prior to a grant-required deadline of June 30, 2025.
- 6. Topics not anticipated in the 48 hour posting requirements

None.

7. Establish next meeting date(s)

The next meeting would be virtual at 3:30PM on 1/29.

8. Adjournment

MOTION to close the meeting at 4:32PM by CM, JB Seconded. CM-AYE, GG-AYE, LR-AYE, AE-AYE, JB-AYE. MOTION PASSED

Respectfully Submitted,

Christopher Nolan-Zeller



# Annual Town Meeting SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year **FY 26** 

This form is intended for use with capital article submissions ≥ \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

$\geq$	Check Here if this an ex	spedited request for Winter 2024	Special Town Meeting
Department:	Selectboard	Submitted by:	Chris Nolan-Zeller, Asst. Town Admin.
Item/Project Cost:	\$60,000	Date Prepared:	11/06/2024
Item/Project Title:	Millers Falls Rd and Ind	ustrial Blvd – FRTA Bus Stop Imp	provements

#### **Proposed Article Wording:**

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$60,000**, or any other amount, for the purpose of supplementing grant funds received by the Franklin Regional Transit Authority for bus stop improvements at Millers Falls Road and Industrial Boulevard, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

#### **Detailed Description for Background Materials**: (Provide a full description of the item or service. <u>Use attachments as needed</u>.)

The Franklin Regional Transit Authority (FRTA) was awarded a grant from MassDOT's Shared Streets and Spaces program in the amount of \$178,376 to fund improvements to the two bus stops on either side of Millers Falls Road at the intersection with Industrial Boulevard. Proposed improvements included four possible alternates, consisting of either Rectangular Rapid Flashing Beacons (RRFB) or HAWK Beacons for pedestrian crossing, and of either Simme-Seats or bus shelters for the comfort and convenience of transit users.

A deficit of \$57,287 exists between the grant award and the project engineer's opinion of probable cost for the least expensive of the four alternates, which includes RRFBs and Simme-Seats. As a result, the FRTA is now approaching the Town and other stakeholder organizations, such as the Franklin Regional Housing and Redevelopment Authority (FCRHRA), to request assistance with funding this shortfall.

Scoping Questions Please elaborate in the comme	nts box at bottom of the pa	Yes ge	No	
Do you have a written estimate		of work?		
Is there a lease option for this e	expense?		$\boxtimes$	
Will this item or project replace	e a capital asset?		$\boxtimes$	
Will this create ongoing costs o	r savings?		$\boxtimes$	
Will this leverage grant or othe	r external funding?	$\boxtimes$		
Is this request identified on the	Capital Improvement Plan	?	$\boxtimes$	
Describe how the project/ pur	chase will be managed			
Who will manage procurement a	and execution of the project? \	Will external resources b	pe required for design,	
engineering, procurement, or co	nstruction oversight?			
The project will be fully managed	d and administered by the FR <sup>-</sup>	ГА.		
Why is it essential that the Tox				
Make your argument for why this process of inaction.	oject is necessary and timely. Ar	ticulate the benefits of the	e project. If necessary, describe th	ie
If the FRTA is unable to secure s would need to be surrendered at for all users at a bus stop locatio during peak hours.	nd the project would not mov	e forward. The project	as designed would improve sa	
Relative Priority: Your assessm	nent of the how important	this is to the Town at	the present time.	
Critical Importance	Highly Important	Moderately Importa	nt	
0	0	ОХ		
Comments and additional info	rmation:			

Special Article Request: Capital Expense (rev 9.26.24)

L	 	 	

# FRTA – INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS

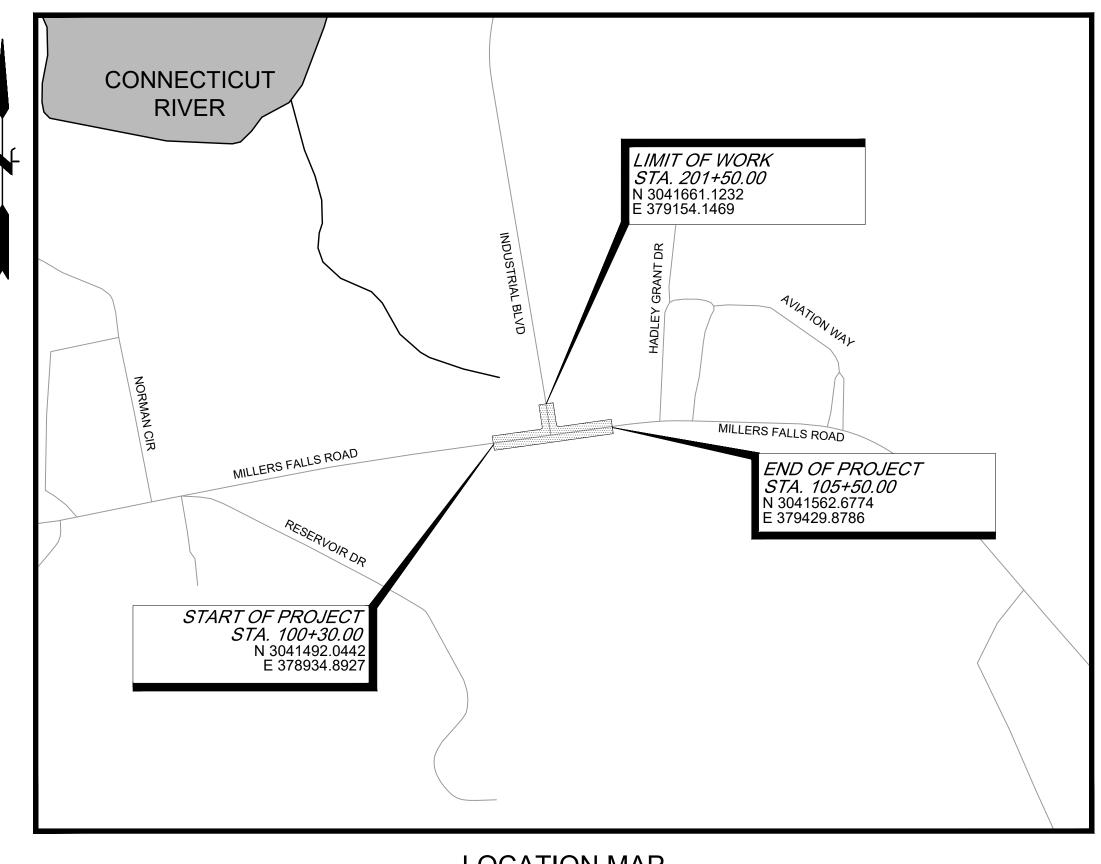
MONTAGUE · MASSACHUSETTS

# PRELIMINARY DESIGN SUBMITTAL NOT FOR CONSTRUCTION

AUGUST 2024

# **SHEET INDEX**

Page no.	Sheet no.	Sheet Title
1	GI-001	COVER SHEET
2	GI-002	LEGEND & GENERAL NOTES
3	GI-301	TYPICAL SECTIONS
4	CS-101	CONSTRUCTION PLANS
5-6	CR-201-202	ROADWAY PROFILES
7	CG-101	GRADING & BASELINE TIE PLANS
8	CT-101	PAVEMENT MARKING & SIGNING PLANS
9	CT-601	STANDARD TRAFFIC SIGN SUMMARY SHEET
10	CT-102	TRAFFIC SIGNAL PLANS
11-13	CT-103-105	TEMP. TRAFFIC MANAGEMENT PLANS
14	CT-602	TEMP. TRAFFIC SIGN SUMMARY SHEET
15-17	CD-501-503	CONSTRUCTION DETAILS
18	RW-101	ANTICIPATED ROW OF WAY IMPACT



LOCATION MAP SCALE: 1" = 400'

LENGTH OF PROJECT = 580 FEET = 0.1098 MILES

PREPARED BY

FUSS& O'NEILL

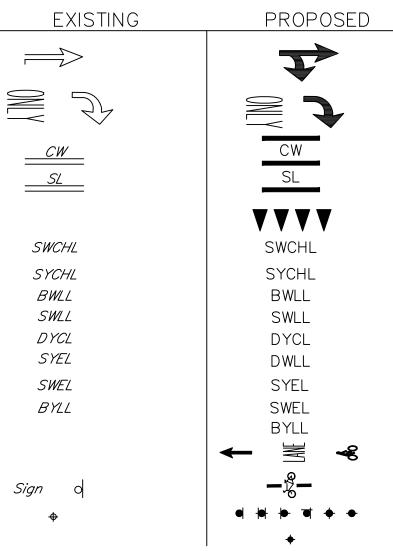
1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.452.0445 www.fando.com PREPARED FOR

FRANKLIN REGIONAL TRANSIT AUTHORITY

12 OLIVE STREET GREENFIELD, MA 01301 PROJ. No.: 20240059.A10
DATE: AUGUST 2024

GI-001

# PAVEMENT MARKINGS AND SIGNING SYMBOLS



PAVEMENT ARROW AND LEGEND

CROSSWALK, 2-12" WHITE LINES (WIDTH NOTED) STOP LINE, 12" WHITE LINE 4.0' BEHIND CW (TYP) YIELD LINE, 24" x 36" WHITE TRIANGLE, 36" O.C. SOLID WHITE CHANNELIZING LINE-SIZE AS NOTED SOLID YELLOW CHANNELIZING LINE-SIZE AS NOTED BROKEN WHITE LANE LINE - 4" SOLID WHITE LANE LINE - 4" DOUBLE YELLOW CENTERLINE - 4" DASHED WHITE LANE LINE - 4" SOLID YELLOW EDGE LINE - 4" SOLID WHITE EDGE LINE - 4" BROKEN YELLOW LANE LINE - 4" BICYCLE LANE BICYCLE DETECTION LEGEND SIGN AND POST DELINEATOR

# REGULATORY REQUIREMENTS

- 1. ALL WORK SHALL CONFORM WITH THE ORDER OF CONDITIONS (OOC) ISSUED FOR THE
- 2. NOTIFY CITY OF EASTHAMPTON CONSERVATION COMMISSION A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
- 3. FIELD INSPECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
- 4. POST DEP SIGN NUMBER ASSIGNED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
- 5. APPROVED PLANS SHALL BE ON SITE AT ALL TIMES.
- 6. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS. 7. THE CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM
- CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL
- 8. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.

#### **GENERAL NOTES:**

- 1. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. NO GUARANTEE TO THE ACCURACY OF THE EXISTING UTILITIES FACILITIES SHOWN IN THIS PROJECT IS EXPRESSED OR IMPLIED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL CONTACT "Mass DIG-SAFE", 1-888-344-7233. CONTRACTOR SHALL MAINTAIN MARKINGS WHERE NEEDED DURING PROJECT. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES AND SERVICE LATERALS PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH LOCATIONS OF LIGHT POLES, TREES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND PERMITS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK INCLUDING BUT NOT LIMITED TO TOWN SIDEWALK AND EXCAVATION PERMITS AND ASSOCIATED BONDING.
- 3. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND STRUCTURES. THOSE OF WHICH HAVE BEEN DAMAGED SHALL BE PROMPTLY REPAIRED TO EXISTING OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- 4. THE ROADWAY IS TO BE GRADED SMOOTHLY AND EVENLY IN ACCORDANCE WITH THE GRADING AND TIE PLANS, PROFILE, AND CROSS SECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR INSURING A POSITIVE DRAINAGE FLOW TO ALL CATCH BASINS WITHOUT CREATING ANY FLAT SPOTS THAT WILL RESULT IN STANDING WATER.
- 5. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS TO REMOVE ANY PERSONAL ITEMS, LANDSCAPING, PLANT BULBS, PAVERS LOCATED IN THE TEMPORARY EASEMENT AND CITY LAYOUT.
- 6. ANY PUBLIC OR PRIVATE PROPERTY DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED AS QUICKLY AS POSSIBLE AND TO THE SATISFACTION OF THE ENGINEER.
- 7. HOURS OF WORK SHALL BE DEFINED IN THE CONTRACT DOCUMENTS. THE TOWN RESERVES THE RIGHT TO ADJUST THESE HOURS IN THE INTEREST OF PUBLIC SAFETY. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES. FOR SECURITY

REASONS ALL PRIVATELY OWNED FENCING THAT IS TO BE REMOVED SHALL BE

REPLACED WITHIN 72 HOURS OF REMOVAL. 9. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. EXISTING AND PROPOSED CATCH BASINS DOWNGRADE OF ALL WORK AREAS SHALL UTILIZE SILT SACKS DURING CONSTRUCTION

# MAP REFERENCE

- 1.1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE COMPILED FROM SURVEY PERFORMED BY SHERMAN & FRYDRYK. BETWEEN JULY 12, 2024 AND JULY 15, 2024, AN AUTOCAD FILE PROVIDED BY THE SHERMAN & FRYDRYK ON AUGUST 21, 2024, AND FUSS & O'NEILL SITE INVESTIGATIONS ON July 9, 2024.
- 1.2. HORIZONTAL DATUM REFERS TO THE MASSACHUSETTS COORDINATE SYSTEM, NAD83, MAINLAND ZONE, VERTICAL DATUM IS NAVD88. BOTH DATUM'S ARE ESTABLISHED AT THE SITE BY LOCAL GPS OBSERVATION ON THE MASSCORS NETWORK.

# ABBREVIATIONS

	GENERAL				UTILITIES
ABAN	ABANDON	- NTS	NOT TO SCALE	ACCMP	ASPHALT COATED CORRIGATED METAL PIPE
ADJ	ADJUST	PGL	PROFILE GRADE LINE	CAP	CORRUGATED ALUMINUM PIPE
APPROX	APPROXIMATE	PROP	PROPOSED	CIP	CAST IRON PIPE
BIT	BITUMINOUS	PVM'T	PAVEMENT	CIT	CHANGE IN TYPE
BOS	BOTTOM OF SLOPE			COND	CONDUIT
		REM	REMOVE	DIP	DUCTILE IRON PIPE
(B.O.)	BY OTHERS	REMOD	REMODEL	FES	FLARED END SECTION
CLF	CHAINLINK FENCE	RET	RETAIN	F&C	FRAME AND COVER
CONC	CONCRETE	R&D	REMOVE AND DISCARD	F&G	FRAME AND GRATE
ELEV	ELEVATION	R&R	REMOVE AND RESET	HDPE	HIGH DENSITY POLYETHYLENE PIPE
EOP	EDGE OF PAVEMENT	R&S	REMOVE AND STACK	HW	HEADWALL
EXIST	EXISTING	RT	RIGHT	HYD	HYDRANT
FND	FOUNDATION	STA	STATION	INV	INVERT
GRAN	GRANITE	TEMP	TEMPORARY	PVC	POLYVINYLCHLORIDE PIPE
HMA	HOT MIX ASPHALT	TOS	TOP OF SLOPE	PWW	PAVED WATER WAY
LOAM	LOAM BORROW	TYP	TYPICAL	RCP	REINFORCED CONCRETE PIPE
LT	LEFT			TSV&B	TAPPING SLEEVE VALVE AND BOX
MAX	MAXIMUM			UP	UTILITY POLE
MIN	MINIMUM			UF	OTILITI FOLE

ALI	GNMENT/GRADING
CC	CENTER OF CURVE
HP	HIGH POINT
LP	LOW POINT
PC	POINT OF CURVE
PI	POINT OF INTERSECTION
PNT	POINT
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
25.45	SPOT ELEVATION
•	

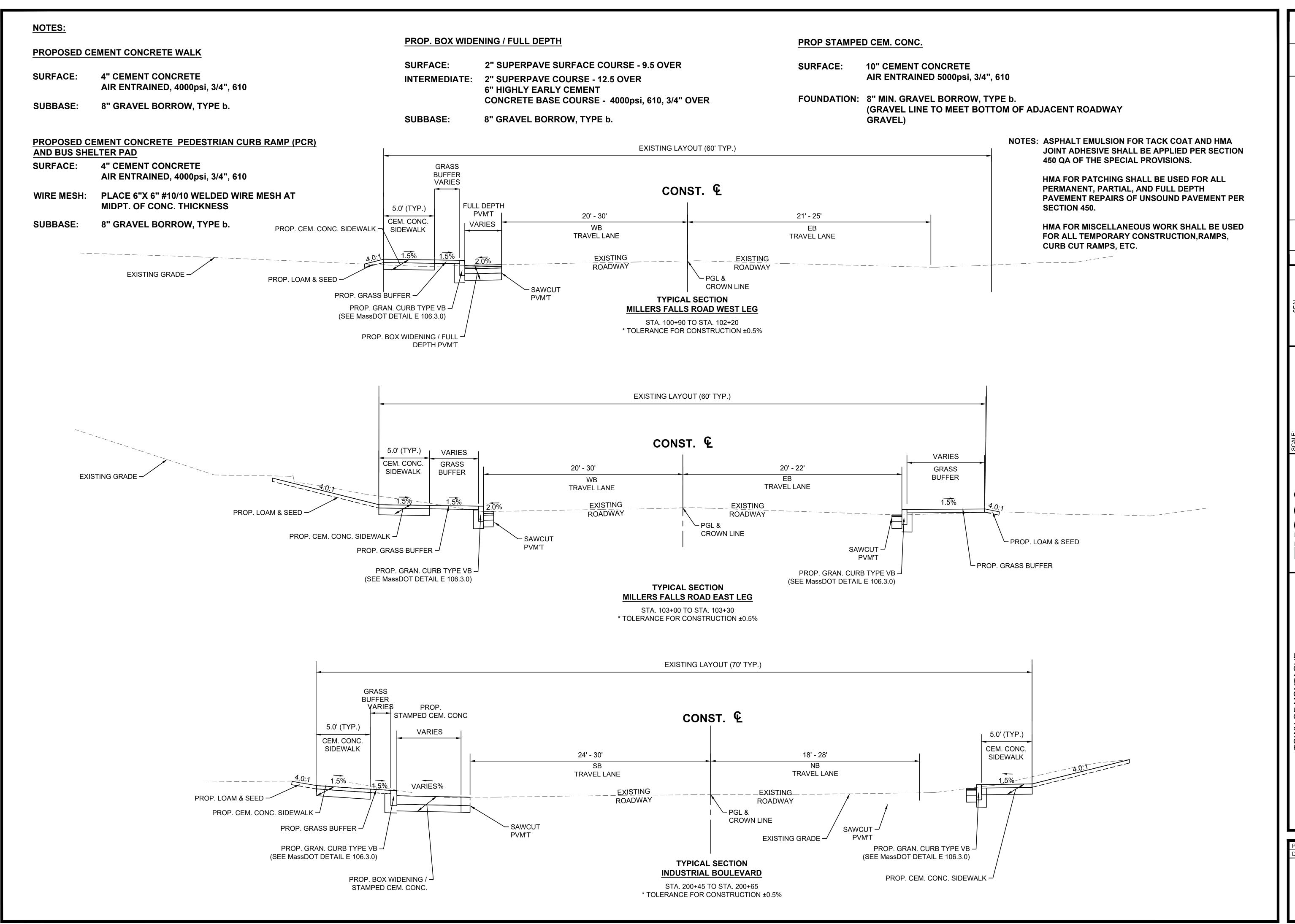
AD	ALGEBRAIC DIFFERENCE IN RATES OF
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ELEV	ELEVATION
HSD	HORIZONTAL SIGHT DISTANCE
K	RATE OF VERTICAL CURVATURE
⊃VI	POINT OF VERTICAL INTERSECTION
PVC	POINT OF VERTICAL CURVE
⊃VT	POINT OF VERTICAL TANGENT
PVRC	POINT OF VERTICAL REVERSE CURVE
⊃VCC	POINT OF VERTICAL COMPOUND CURV
SD	STOPPING SIGHT DISTANCE
VC	VFRTICAL CURVF

PROFILES

TR.	AFFIC SIGNAL SYSTEMS
R	STEADY CIRCULAR RED
Υ	STEADY CIRCULAR YELLOW
G	STEADY CIRCULAR GREEN
FR	FLASHING CIRCULAR RED
$-FR \rightarrow$	FLASHING RED ARROW
FY	FLASHING CIRCULAR YELLOW
$-FY \rightarrow$	FLASHING YELLOW ARROW
G	STEADY VERTICAL GREEN ARROW
G X-	STEADY LEFT ARROW (RED, YELLOW OR GREEN PREFIX)
$-\times \rightarrow$	STEADY RIGHT ARROW (RED, YELLOW OR GREEN PREFIX)
W	STEADY WALK-WHITE
DW	STEADY DON'T WALK-PORTLAND ORANGE
FDW	FLASHING DON'T WALK-PORTLAND ORANGE

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

GI-002



HORZ.: NOT TO SCALE
VERT.:
DATUM:
HORZ.: VERT.: -

FUSS & O'NEILL

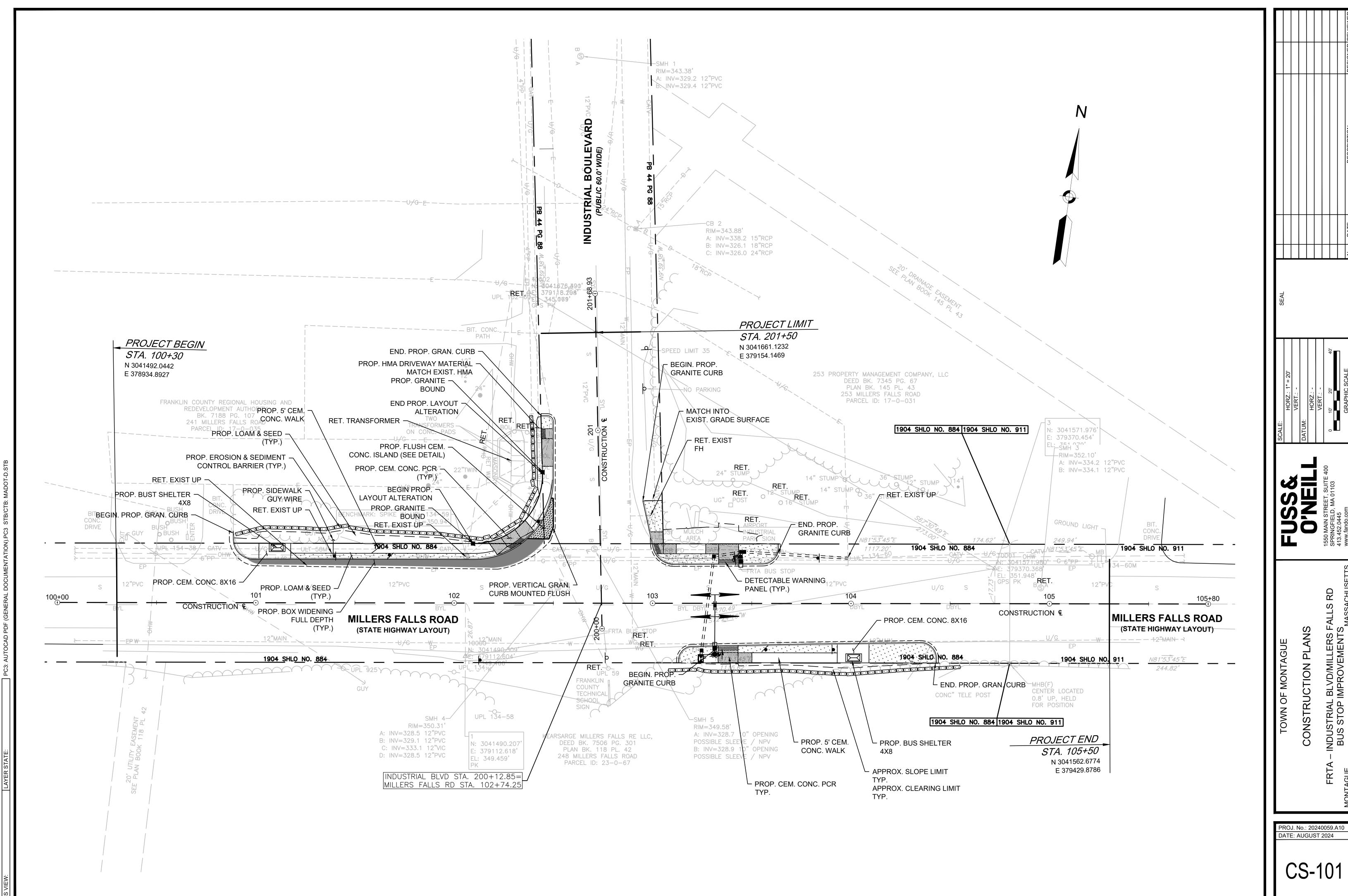
TYPICAL SECTIONS

OUSTRIAL BLVD/MILLERS FALLS RD

FRTA – II

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

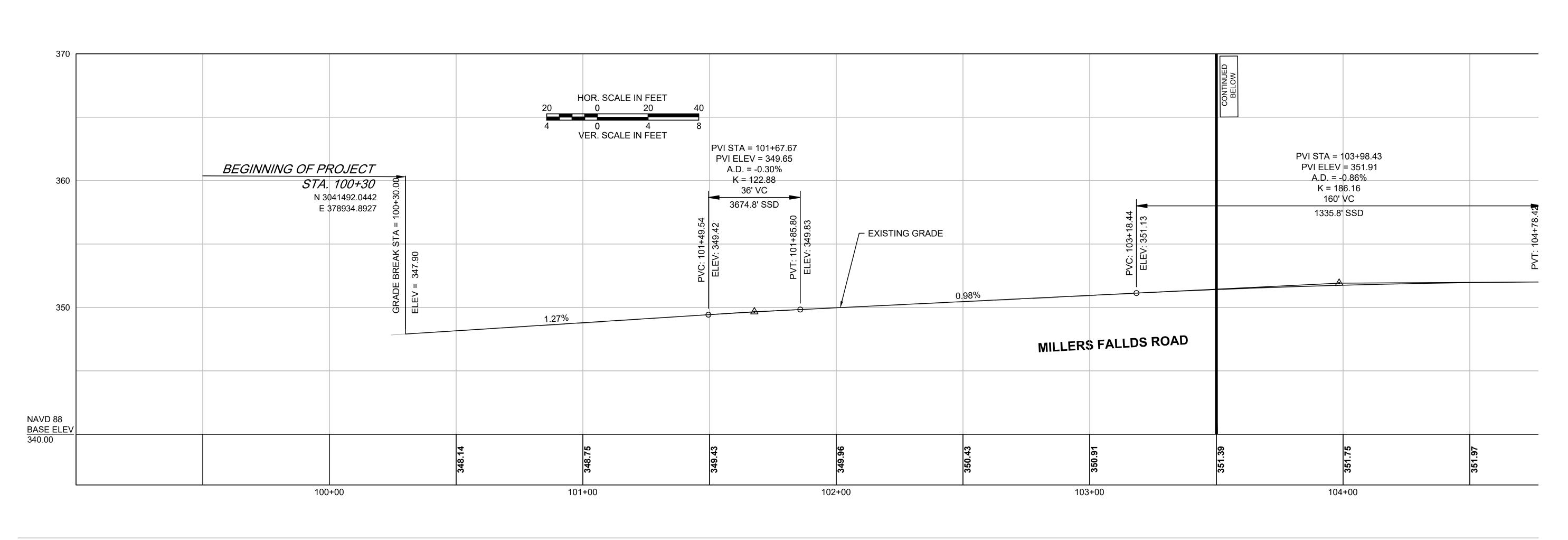
GI-301

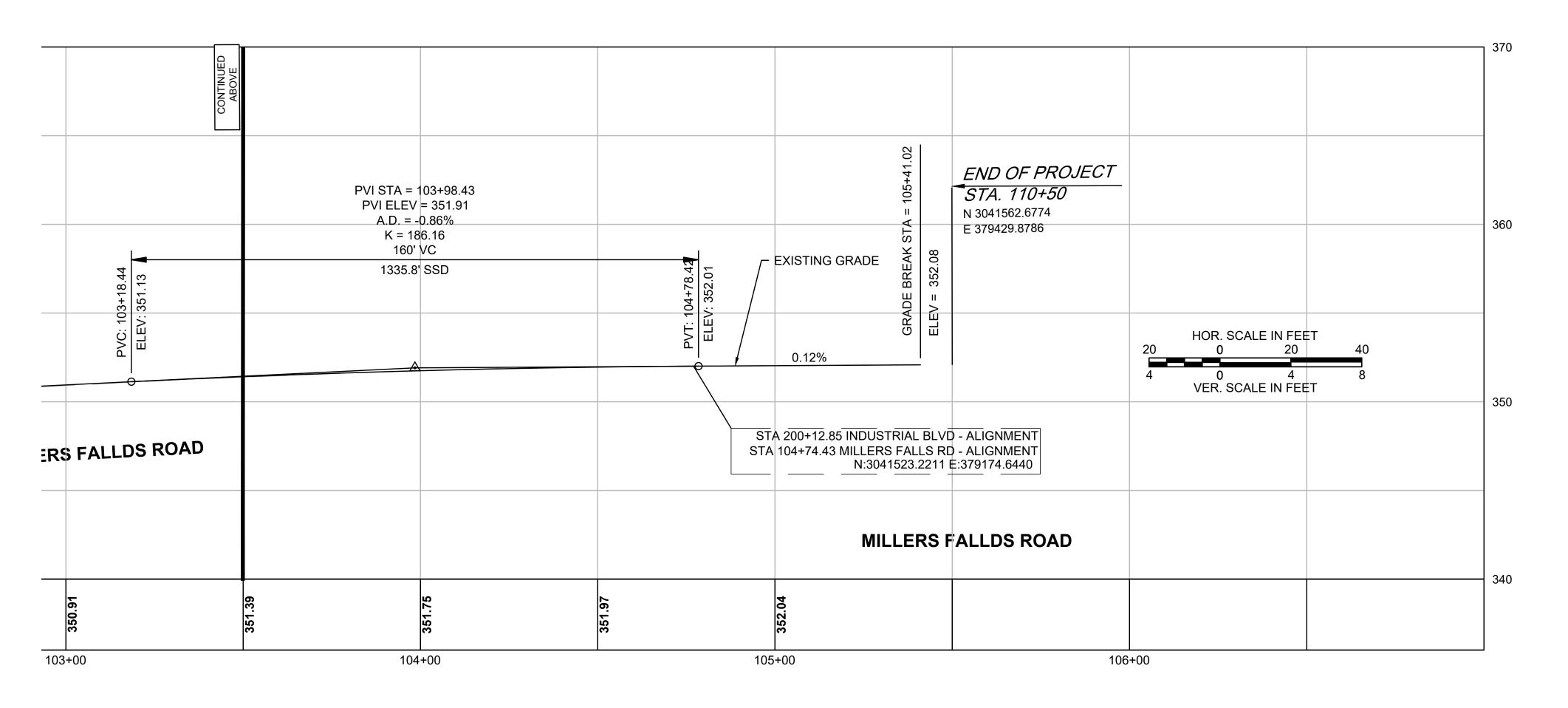


SS&

DATE: AUGUST 2024

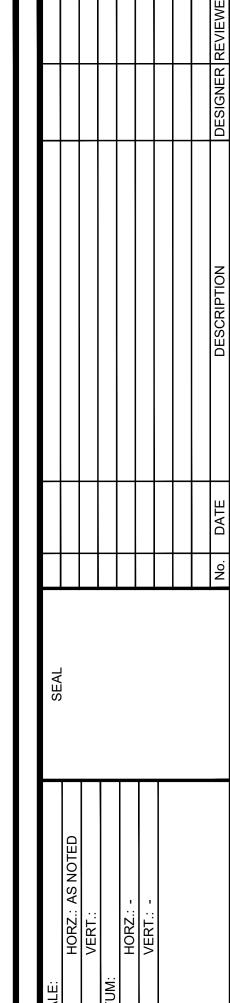
CS-101





# NOTES:

- 1. THE ROADWAY PROFILE WILL REMAIN UNCHANGED. THE PROPOSED BOX WIDENING WILL MATCH THE EXISTING GRADE EXACTLY.
- 2. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE ELEVATION OF WIDENED SECTION ALIGNS SEAMLESSLY WITH THE CURRENT ROADWAY GRADE, WITH NO CHANGES TO EXISTING ROADWAY PROFILE.



FUSS & O'NEILL 1550 MAIN STREET, SUITE 400

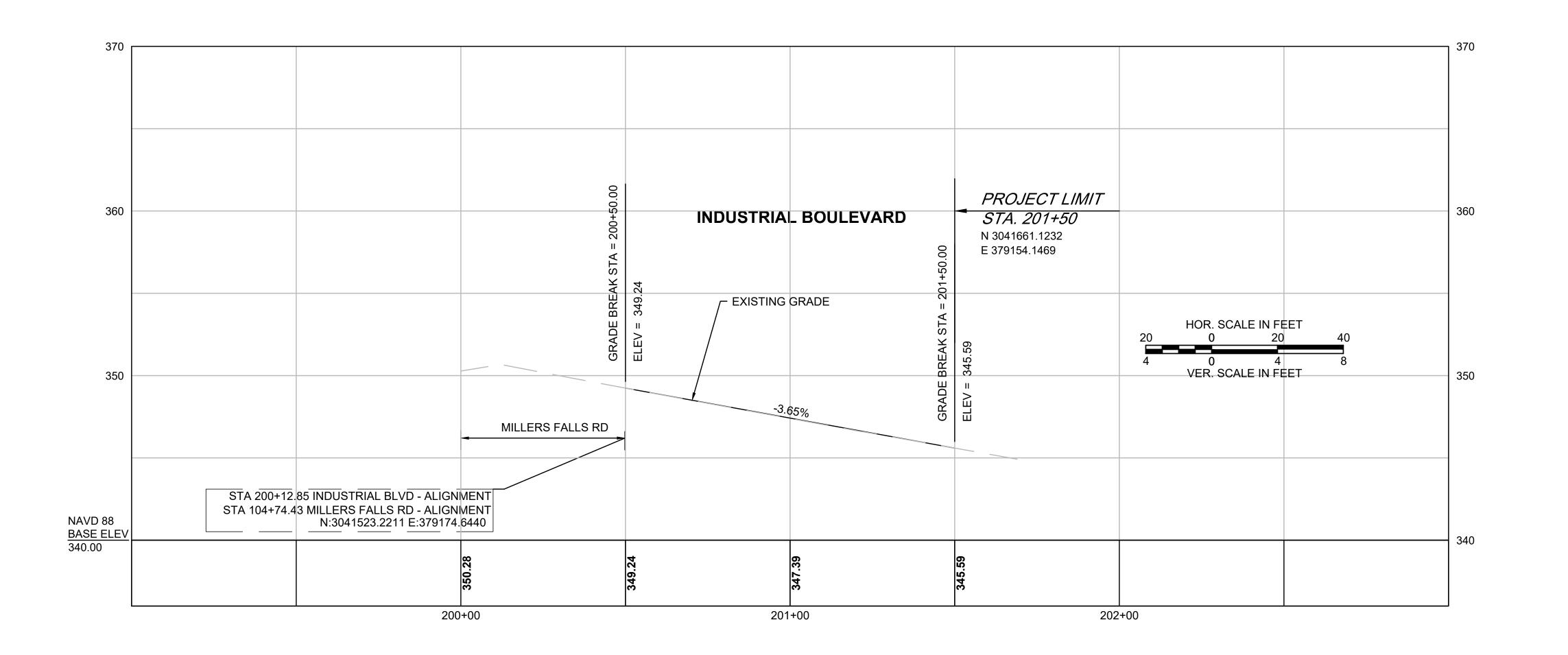
ADWAY PROFILES TRIAL BLVD/MILLERS FALLS RD

> FRTA – INI MONTAGUE

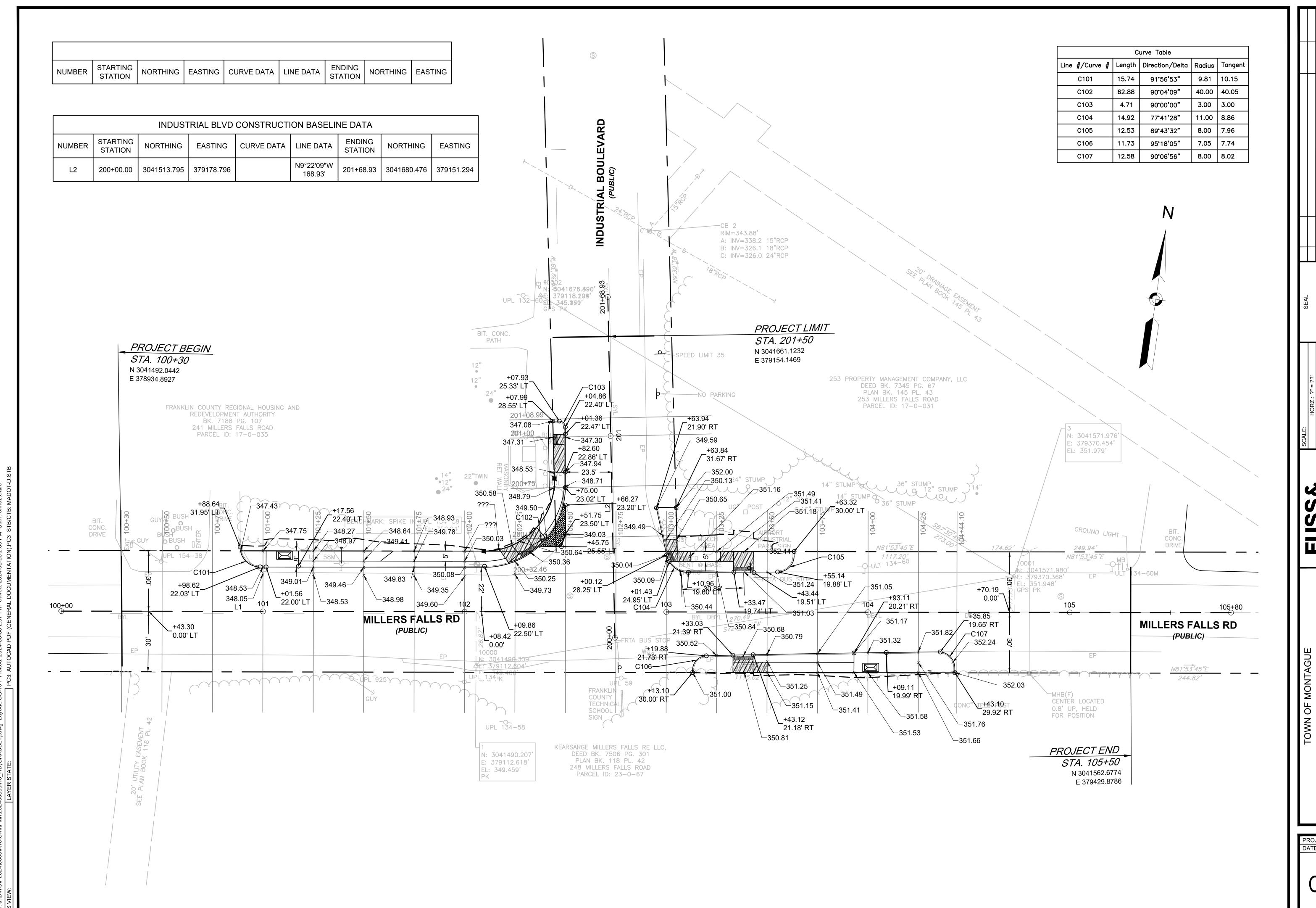
PROJ. No.: 20240059.A10 DATE: AUGUST 2024

CR-201

- 1. THE ROADWAY PROFILE WILL REMAIN UNCHANGED. THE PROPOSED BOX WIDENING WILL MATCH THE EXISTING GRADE EXACTLY.
- 2. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE **ELEVATION OF WIDENED SECTION ALIGNS** SEAMLESSLY WITH THE CURRENT ROADWAY GRADE, WITH NO CHANGES TO EXISTING ROADWAY PROFILE.



PROJ. No.: 20240059.A10
DATE: AUGUST 2024

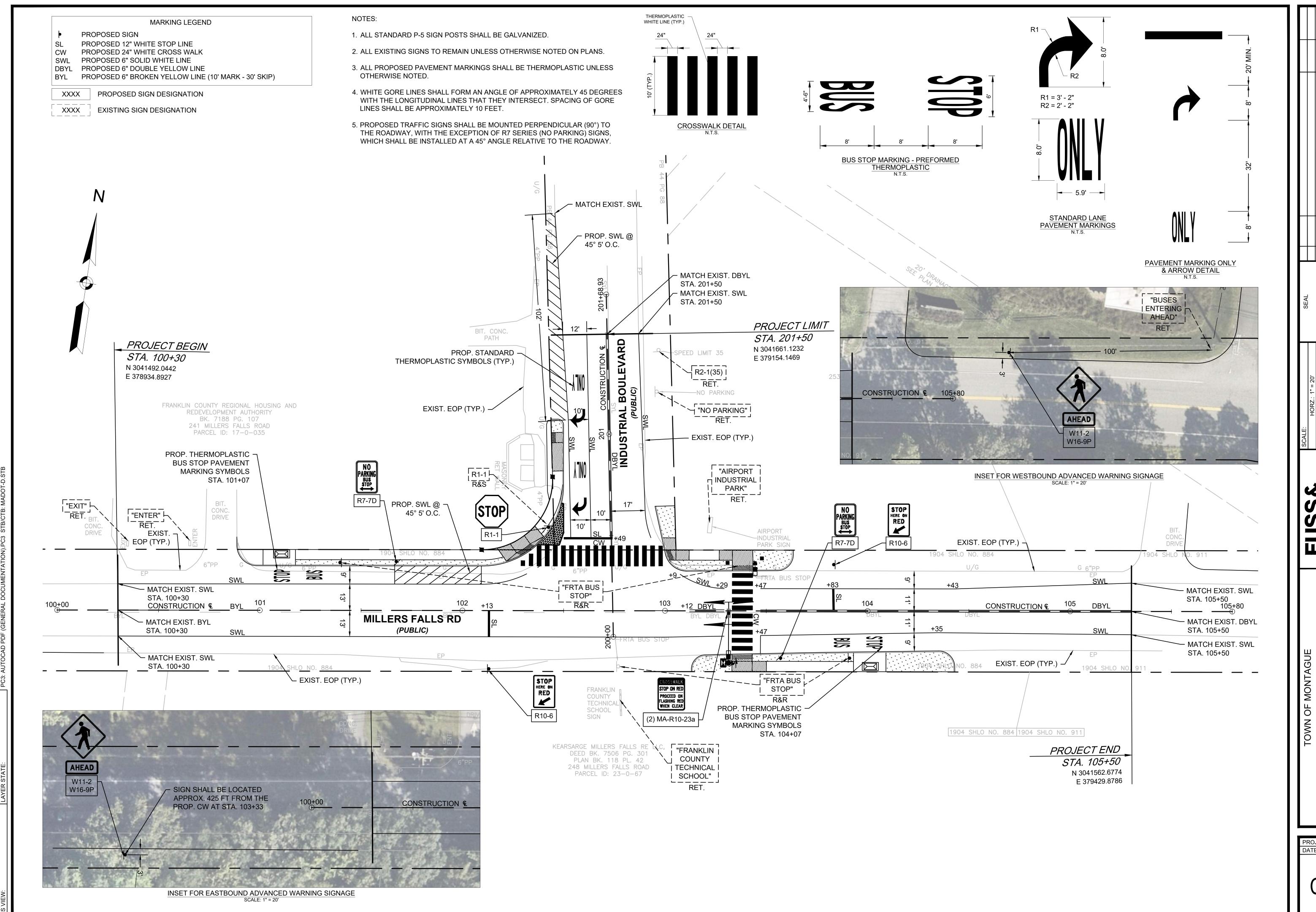


USS& O'NEIL

INDUSTRIAL BLVD/MILLERS FALLS RD BUS STOP IMPROVEMENTS

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

CG-101



USS& DATUM:

1550 MAIN STREET, SUITE 400 SPRINGFIELD, MA 01103 413.452.0445

AVEMENT MARKING & SIGNING PLANS

RTA – INDUSTRIAL BLVD/MILLERS FALLS RD

BUS STOP IMPROVEMENTS

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

NOTES

IDENTIFI-	SIZE O	F SIGN		TEXT	T DIMENSION	S (IN)	NUMBER OF		COLOR		POST SIZE AND	SIGN FACE	TOTAL
CATION NUMBER	WIDTH (IN)	HEIGHT (IN)	TEXT	LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	SIGNS REQUIRED	BACK- GROUND	LEGEND	BORDER	NUMBER REQUIRED	AREA (S.F.)	AREA (S.F.)
R1-1	30	30	STOP	HIGHV	IWA 2004 STA VAY SIGNS M GLISH VERSI	ANUAL	1	RED	WHITE	WHITE	P-5 1 REQ'D	6.25	6.25
R10-6	24	36	STÖP HERE ØN RED				2	WHITE	BLACK	BLACK	P-5 2 REQ'D	6.00	12.00
W11-2	30	30					2	YELLOW	BLACK	BLACK	P-5 2 REQ'D	6.25	12.50
W16-9P	24	12	AHEAD	V			2	YELLOW	BLACK	BLACK	MOUNTED W/ W11-2	2.00	4.00
MA-R10-23a	24	30	STOP ON RED PROCEED ON FLASHING RED WHEN CLEAR	4C 4C 3.5C 3.5C 3.5C	2.5 3.5 4.5 2 2 3	N/A	2	YELLOW WHITE	BLACK	BLACK	O'HEAD MOUNT	5.00	10.00
R7-7D	12	18	NO PARKING BUS \$TOP	3C 3B 2C 2C	0.875 0.625 0.625 1.5 2	0.75 x 7.75 (ARROW)	2	WHITE	RED	RED	P-5 2 REQ'D	1.50	3.00

HORZ.: NOT TO SCALE

VERT.:

DATUM:

HORZ.: 
VERT.: -

FUSS & O'NEILL

UMMARY SHEET

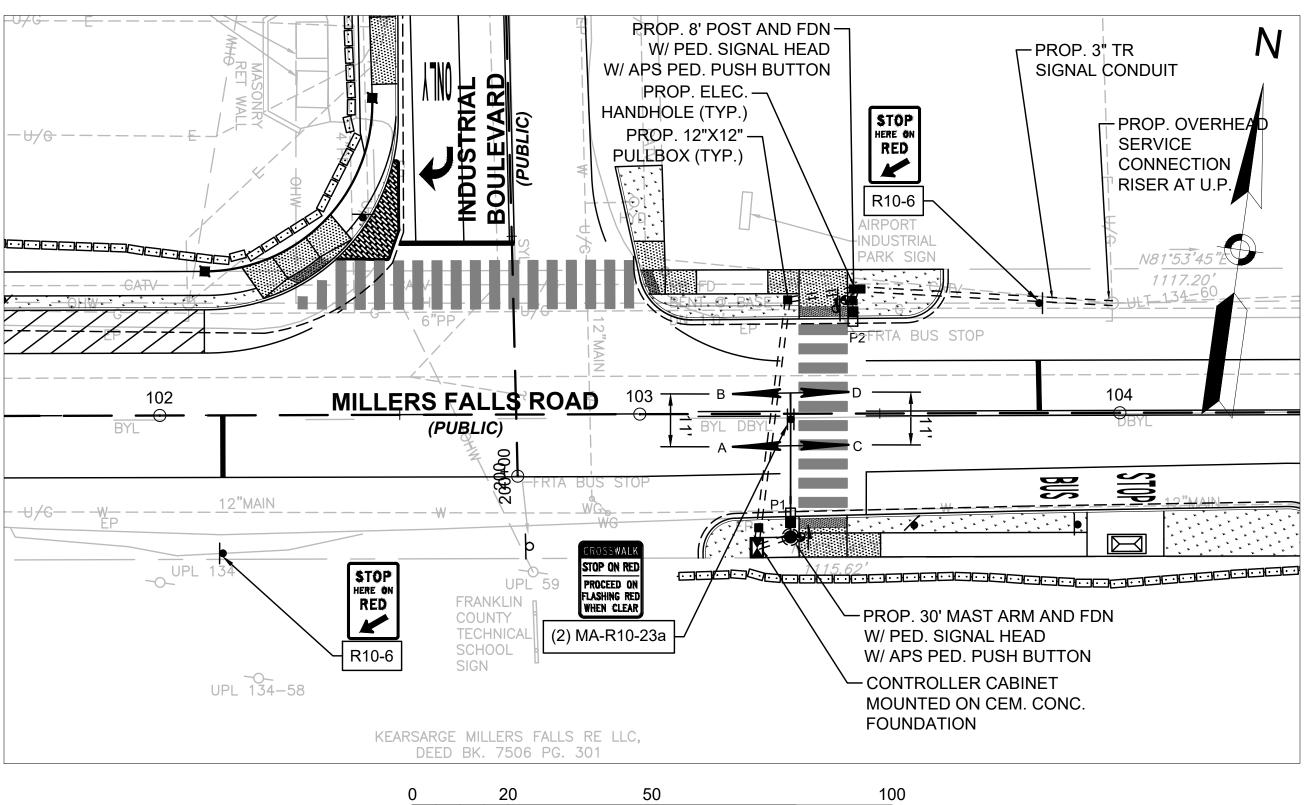
VD/MILLERS FALLS RD

PROVEMENTS

TRAFFIC SIGN

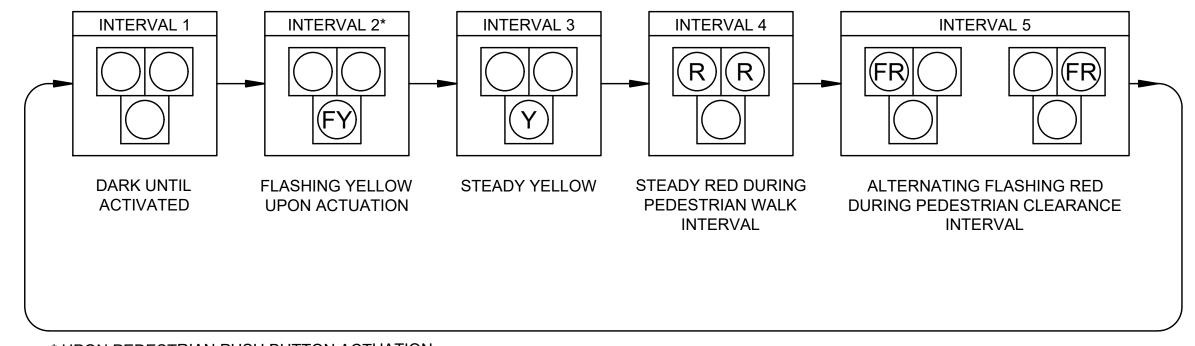
PROJ. No.: 20240059.A10 DATE: AUGUST 2024

HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE 2009
"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE 1990 MDPW "STANDARD DRAWINGS FOR SIGNS AND
SUPPORTS", AND ALL AMENDMENTS WILL GOVERN.



# HAWK (PEDESTRIAN) PHASE SEQUENCE

SCALE: 1" = 20'



\* UPON PEDESTRIAN PUSH BUTTON ACTUATION

R = STEADY RED

FR = FLASHING RED

Y = STEADY YELLOW FY = FLASHING YELLOW

# LEGEND

PROPOSED MAST ARM & POLE

PROPOSED SIGNAL POST

FLASH

FY

FY

OUT

DARK

DARK

DW

A PROPOSED SIGNAL HEAD

PROPOSED PEDESTRIAN HEAD

PROPOSED PEDESTRIAN PUSH BUTTON

PROPOSED 12X12 PULL BOX

==== PROPOSED 3" PVC CONDUIT TYPE NM

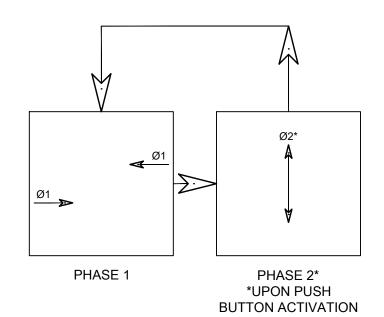
PROPOSED CONTROLLER CABINET

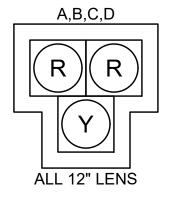
# **CONSTRUCTION NOTES:**

- 1. THE TOP OF ALL MAST ARM FOUNDATIONS IN SIDEWALK AREAS SHALL BE LOCATED FLUSH WITH FINISH GRADE.
- 2. THE TOP OF ALL MAST ARM FOUNDATIONS IN GRASSY AREAS SHALL BE LOCATED 3"± ABOVE FINISHED GRADE.
- 3. TS POST/POLE WITH PEDESTRIAN PUSH BUTTON NOT LOCATED WITHIN A PAVED SURFACE SHALL BE POSITIONED TO PROVIDE A 10" MAX CLEAR REACH ZONE BETWEEN THE PEDESTRIAN PUSH BUTTON AND THE PAVED SURFACE PER 521 CMR AND AS SHOWN IN THE CONSTRUCTION DETAILS.

#### MAJOR ITEMS REQUIRED PAY ITEM QUANTITY ITEM 804.3 150 3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL) 12" X 12" PULL BOX (SD2-031) 811.31 2 ELECTRIC HANDHOLE - SD2.022 811.22 SERVICE CONNECTION SIGNAL POST & BASE STANDARD - 8' INCL FOUNDATION 30' MAST ARM - STEEL, INCL BASE & FOUNDATION 1 SIGNAL HEAD 1 WAY - 3 SECTION 12" LED LENS 16" LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN 815.1 ACCESSIBLE PEDESTRIAN SIGNAL WITH PUSHBUTTON, SIGN AND SADDLE TRAFFIC SIGNAL CONTROLLER AND CABINET ENCLOSURE MOUNTED ON CEM. CONC. FOUNDATION PLUS ALL WIRE, CABLE, MOUNTING HARDWARE, EQUIPMENT & MATERIALS NECESSARY TO COMPLETE THE INSTALLATION

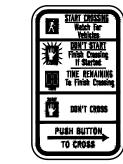
# PREFERENTIAL PHASE SEQUENCE







# PROPOSED R10-3E



TO BE MOUNTED WITH **EACH PROPOSED** ACCESSIBLE PEDESTRIAN SIGNAL

# PROPOSED SIGNAL INDICATIONS

ALL SIGNAL HEADS SHALL BE RIGID MOUNTED & EQUIPPED WITH CAP VISORS AND ±5" NON-LOUVERED BACKPLATES WITH 3" YELLOW REFLECTIVE BORDERS.

\*\*\*\*ALL PROPOSED MAST ARMS, SIGNAL POSTS, BASES, BACKPLATES, AND BRACKETS SHALL BE FACTORY COATED BLACK\*\*\*\*

# ACCESSIBLE PEDESTRIAN SIGNALS (APS):

ALL PROPOSED ACCESSIBLE PEDESTRIAN SIGNALS MUST FULLY COMPLY WITH THE UNITED STATES ACCESS BOARD PROWAG SUPPLEMENTAL TECHNICAL REQUIREMENTS UNDER CHAPTER 4. THIS INCLUDES OPERABLE PARTS (R403), CLEAR SPACES (R404), AND REACH RANGES (R406) AS RELATES TO ACCESSIBLE PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS.

# ACCESSIBLE PEDESTRIAN SIGNALS (APS) SPEECH **MESSAGE NOTE:**

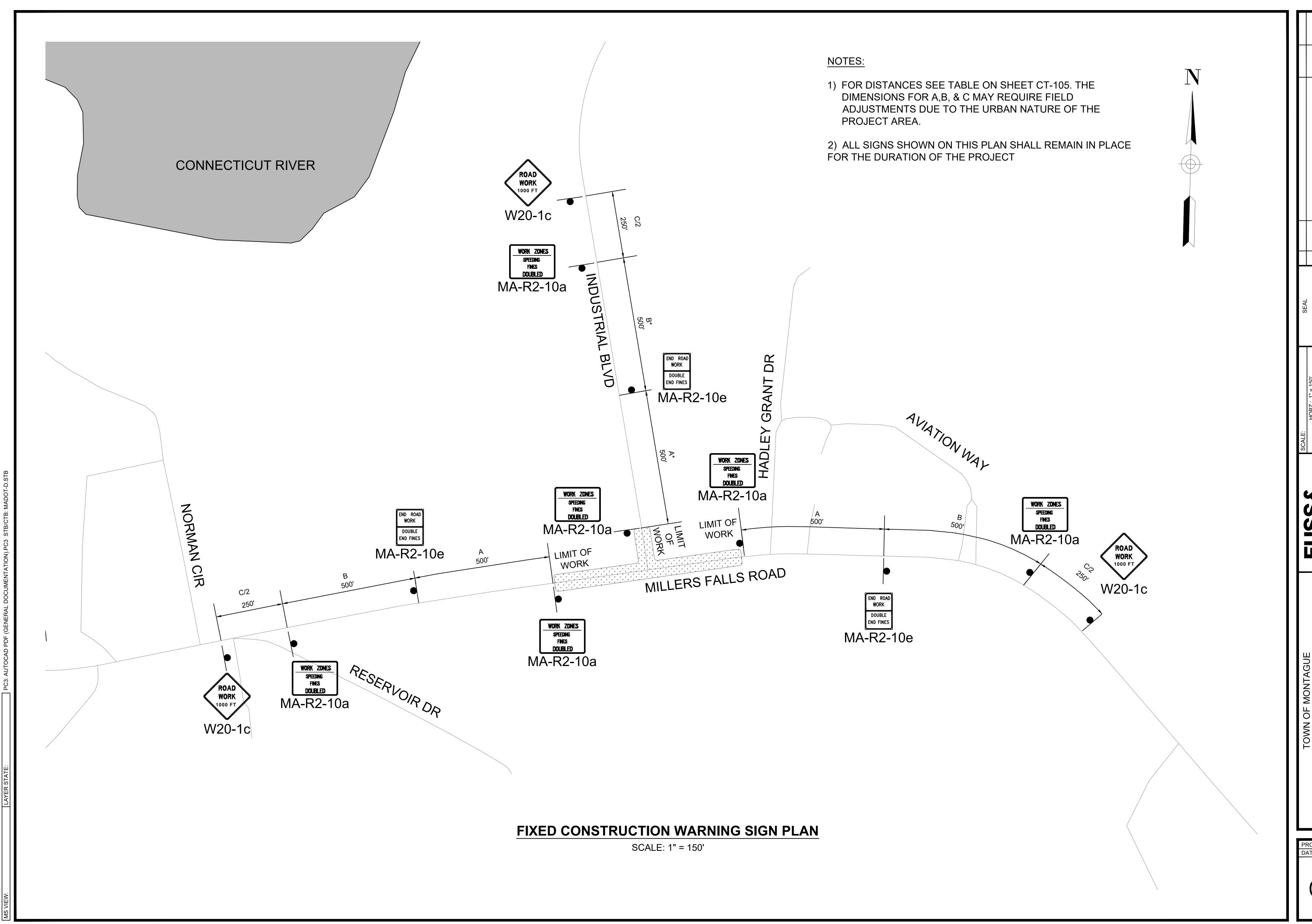
ALL PUSH BUTTONS AT THIS INTERSECTION SHALL BE PROGRAMMED WITH THE APPROPRIATE SPEECH MESSAGE FOR WALK INDICATING THE STREET CROSSING.

ISS&

BLVD/MILLERS FINPROVEMENTS

INDUSTRIAL BUS STOP I

PROJ. No.: 20240059.A10 DATE: AUGUST 2024



DATUM:

VERT.: 
DATUM:

HORZ.: 
VERT.: 
O 125' 150' 300'

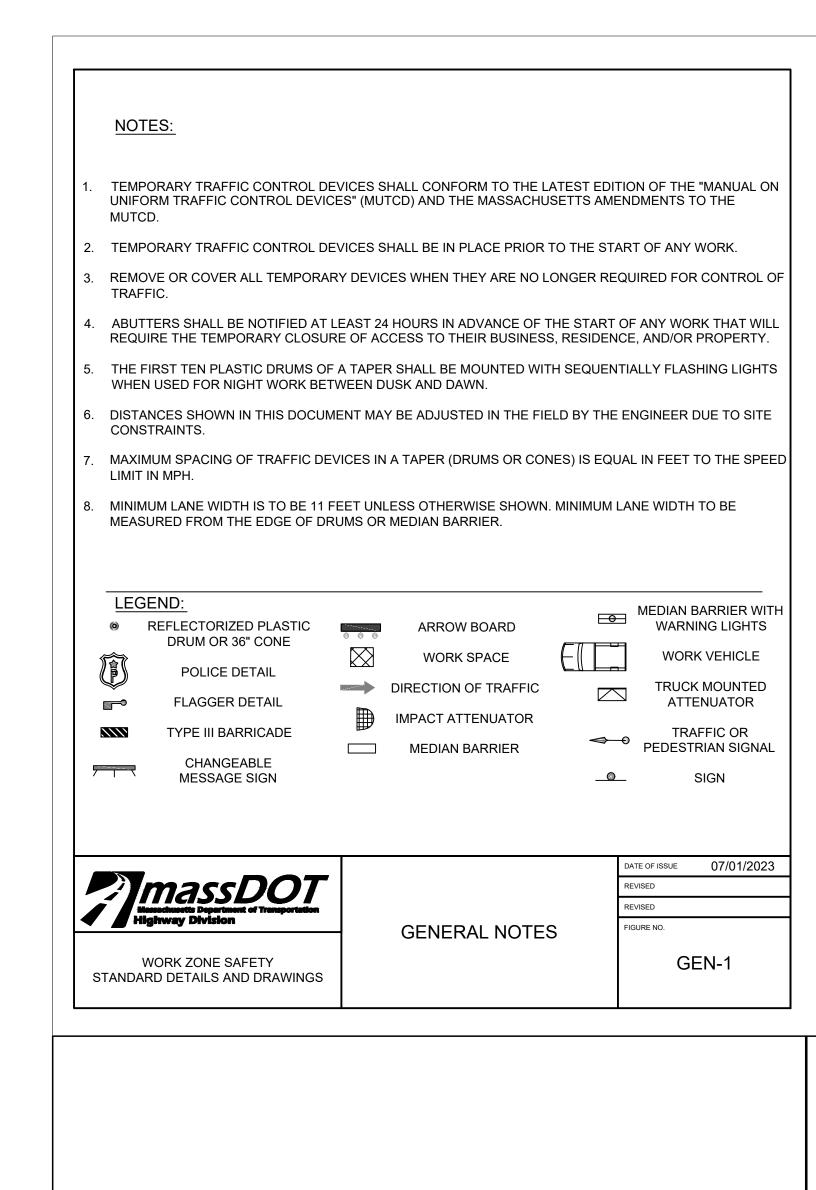
GRAPHIC SCALE

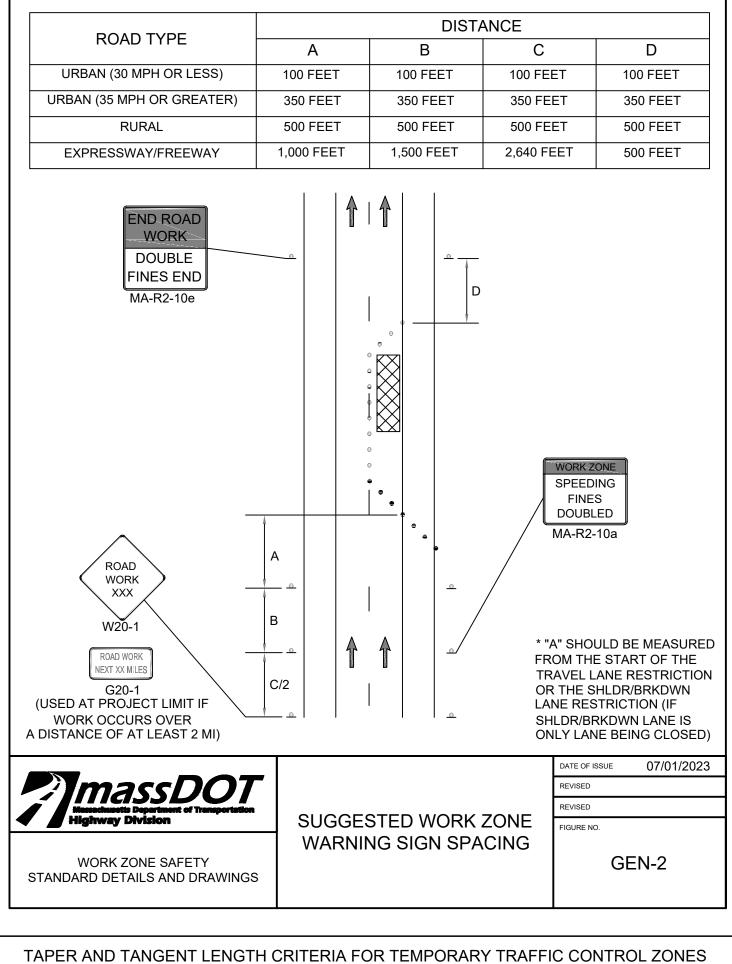
FUSS & O'NEELL 1550 MAIN STRET, SUITE 400 SPRINGFIELD, MA 01103

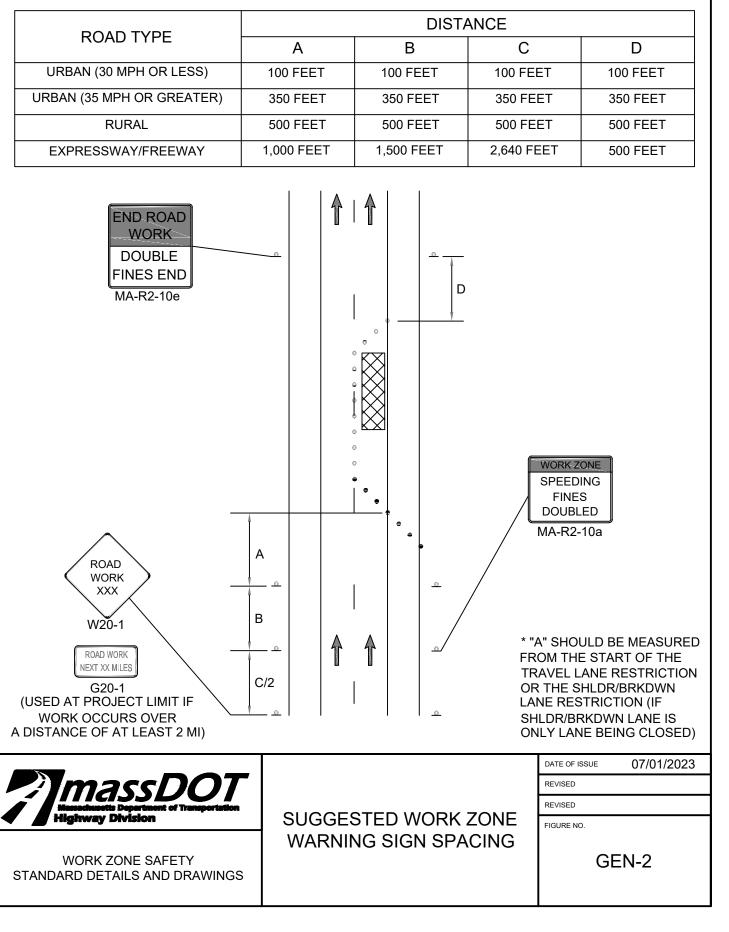
AFFIC MANAGEMENT PLANS STRIAL BLVD/MILLERS FALLS RD

TEMP. TRAFFIC MAN

PROJ. No.: 20240059.A10 DATE: AUGUST 2024







* ", FR TR OF LA SH	WORK ZONE SPEEDING FINES DOUBLED MA-R2-10a  A" SHOULD BE MEASURED OM THE START OF THE RAVEL LANE RESTRICTION R THE SHLDR/BRKDWN NE RESTRICTION (IF BLDR/BRKDWN LANE IS BLY LANE BEING CLOSED)	*POSTED SPEED, OFF-OPERATING SPEED THESE VALUES MAY B THE DISTANCES IN THE	E USED TO DETER	SPEED* (mph)  20 25 30 35 40 45 50 55 60 65 70 75  ENTILE SPEE	DIS DIS DIS DIS DISTRICT DISTR	STANCE (ft)  115 155 200 250 305 360 425 495 570 645 730 820  FO WORK STA	ARTING, O	OR THE ANTICIPATED FER SPACES. FER SPACING.	
ESTED WORK ZONE IING SIGN SPACING	DATE OF ISSUE 07/01/2023 REVISED REVISED FIGURE NO.  GEN-2	WORK ZONE S STANDARD DETAILS A	AFETY	ZON STOPPII	NE CAP. NG SIG	ERAGE W ACITIES & HT DISTA ON OF SP	, NCE	DATE OF ISSUE 07/01/2023 REVISED REVISED FIGURE NO.  GEN-3	
FOR TEMPORARY TRAFFI									
LENGTH									
AT LEAST				1 1					
AT LEAST 0									
50 FT MIN. 100 F									
50 FT MIN. 100 FT MAX	K. PER LANE								
AT LEAST 2	PL	_				<u> </u>	n^	WNSTREAM TAPER	
* Use Table 6C-4 to o ** Tangent Length Measured E	calculate L Between Two Tapers							WING FILE AND FIXE EXC	
MINING TAPER LENGTHS	3	TERMINATION AREA:						ATERAL BUEFFR OF ACE	
TAPER LENGTH (L) IN FEET		LETS TRAFFIC RESUME NORMAL OPERATIONS						ATERAL BUFFER SPACE	
L= WS2 60		_						- LONGITUDINAL BUFFER SPACE: PROVIDES PROTECTION FOR	

MEASURED AVERAGE WORK ZONE CAPACITIES

THE IDEAL CAPACITY OF A MAJOR HIGHWAY IS GENERALLY CONSIDERED TO BE 1900 PASSENGER CARS PER

HOUR PER LANE (PCPHPL). IN WORK ZONES ON A MULTI-LANE DIVIDED HIGHWAY, THE FOLLOWING VOLUME

GUIDELINES HAVE BEEN SUGGESTED:

AVERAGE CAPACITY

VEHICLES PER

1.170

1,340

2,980

4,560

VEHICLES PER

**HOUR PER** 

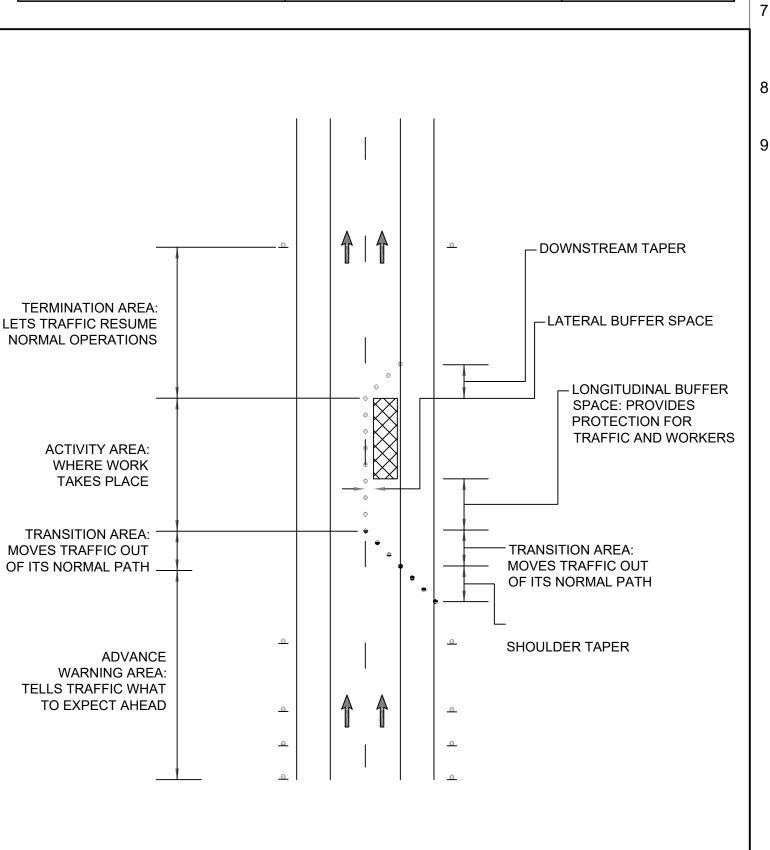
1,340 1,370 1.480

1,490

NUMBER OF LANES

(TO TRAFFIC)

(EXISTING)



# **GENERAL NOTES:**

- ONE LANE OF TRAFFIC SHALL BE MAINTAINED AS OPEN IN EACH APPROACH DIRECTION AT ALL TIMES. THE CONTRACTOR MAY DEPLOY LANE SHIFTS. NO DETOURS ARE ANTICIPATED TO BE NEEDED. ANY PROPOSED DETOUR MUST BE APPROVED BY THE ENGINEER AND TOWN OF MONTAGUE.
- 2. ALL TRAFFIC MANAGEMENT CONFIGURATIONS SHALL CONFORM TO THE STANDARD MassDOT DETAILS ON THE FOLLOWING SHEETS AND APPLY TO ALL LOCATIONS INCLUDED IN THE CONTRACT.
- 3. THE CONTRACTOR SHALL BE PERMITTED TO PERFORM TEMPORARY ROADWAY OR LANE CLOSURES FROM 7:00 A.M. TO 3:30 P.M. CHANGES TO THESE TIMES REQUIRE APPROVAL FROM THE TOWN OF MONTAGUE.
- ALL TRENCHES IN THE ROADWAY SHALL EITHER BE BACKFILLED AND PATCHED WITH HOT MIX ASPHALT, COVERED WITH BEVELED EDGES STEEL PLATES, OR HOT MIX ASPHALT AROUND STEEL PLATES BEFORE REOPENING THE ROADWAY TO TRAFFIC. UNBEVELED STEEL PLATE MAY BE USED IF HMA WEDGES ARE PLACED IN ACCORDANCE WITH THE LONGITUDINAL DROP OFF DETAIL.
- 5. COVER ALL EXISTING SIGNAGE THAT CONFLICTS WITH THE TRAFFIC MANAGEMENT SETUP IN PLACE.
- PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) SHALL BE USED ON THE PROJECT SITE; THESE SIGNS SHALL ADVISE MOTORISTS TO EXPECT DELAYS, AND ADVISE TRAILER TRUCKS OF RESTRICTED LANE WIDTHS (AND POSSIBLE DETOUR ROUTES) ON SPECIFIC APPROACHES DURING CERTAIN STAGES OF CONSTRUCTION.
- 7. THE CONTRACTOR SHALL PLACE TWO PORTABLE CHANGEABLE MESSAGE BOARDS (PCMB) ON THE PROJECT SITE, FOR SEVEN DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL ADVANCED SIGNAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
- IF FLAGGERS ARE USED FOR TRAFFIC CONTROL, THE FLAGGER SIGN (W20-7a) SHALL BE SUBSTITUTED FOR THE POLICE OFFICER AHEAD (W20-7b) SIGN.

VARIABLES	DEFINITION
А	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2
В	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2
С	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2
D	WORK ZONE WARNING SIGN SPACING (SEE SHEET GEN-2
L	LENGTH IN FEET
S	SPEED LIMIT
W	WIDTH OF OFFSET IN FEET
Т	TANGENT LENGTH, AT LEAST 2L

Source: Table 6	6C-4 MUTCD LATEST EDIT	ΓΙΟΝ				
		TYPICAL T	APER LENG	THS (L)		
	SPEED (S)	V	VIDTH OF OFF	SET (W) IN	FT.	
	IN MPH	9	10	11	12	
	25 OR BELOW	95	105	115	125	
	30	135	150	165	180	
	35	185	205	225	245	
	40	240	270	295	320	
	45	405	450	495	540	
	50	450	500	550	600	
	55	495	550	605	660	
	60	540	600	660	720	
	65	585	650	715	780	
	70	630	700	770	840	

FORMULAS FOR DETERMINING TAPER LENGTHS

L= WS

SPEED (S)

40 MPH OR LESS

45 MPH OR MORE

W = WIDTH OF OFFSET IN FEET

WHERE: L = TAPER LENGTH IN FEET

Messechusetts Department of Transportation Highway Division TAPER GUIDANCE GEN-6 WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS

Massechusetts Department of Transportation Highway Division WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS

07/01/2023 DATE OF ISSUE TYPICAL COMPONENTS OF A TEMPORARY TRAFFIC **CONTROL SETUP** GEN-7

Massechusetts Department of Transportation
Highway Division WORK ZONE SAFETY STANDARD DETAILS AND DRAWINGS

**ABBREVIATIONS** 

DATE OF ISSUE

IGURE NO.

07/01/2023 GEN-4

MERGING TAPER

SHIFTING TAPER

SHOULDER TAPER

ONE-LANE, TWO-WAY TRAFFIC TAPER

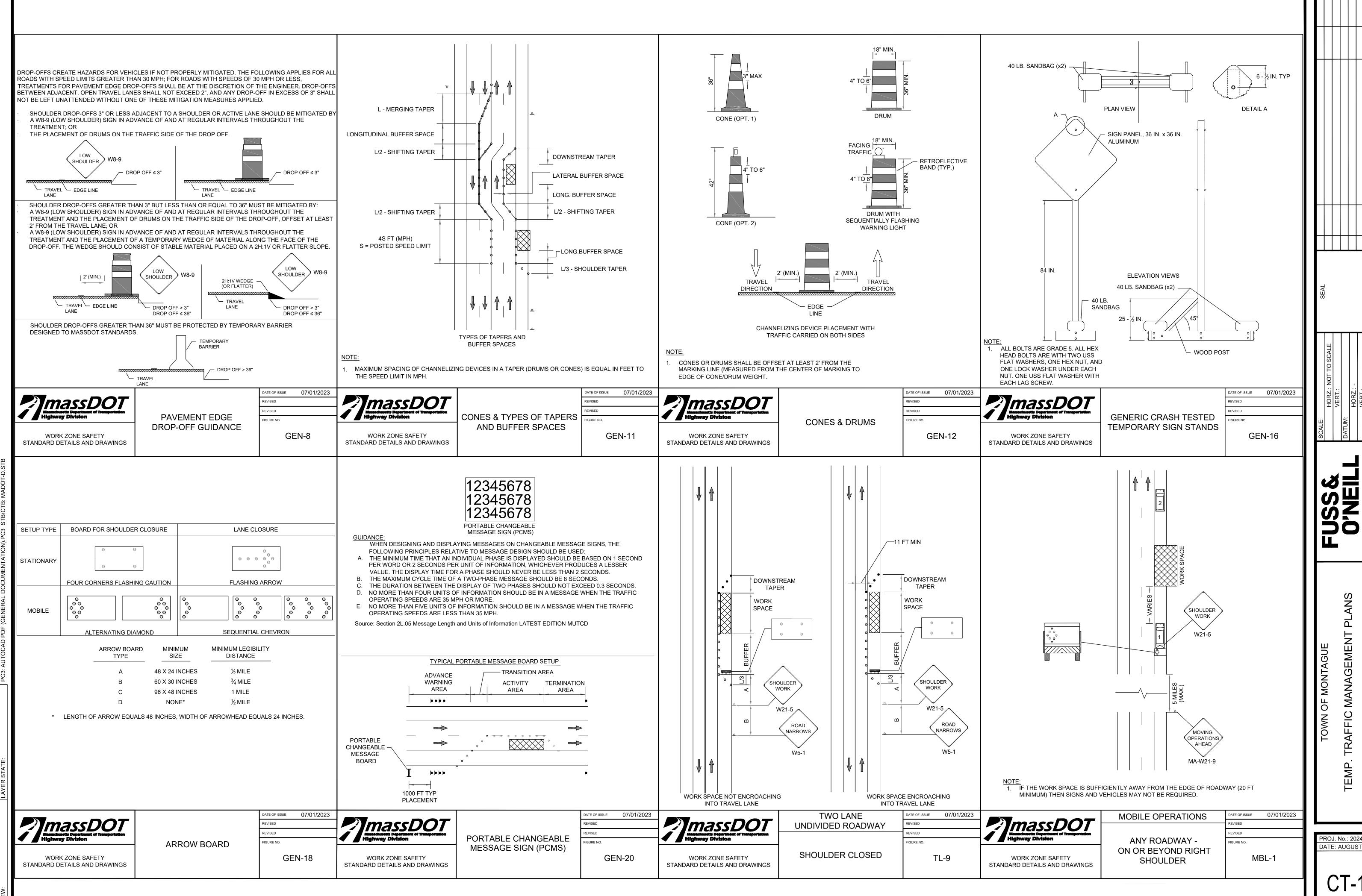
DOWNSTREAM TAPER

TANGENT LENGTH\*\*

Source: Table 6C-3 MUTCD LATEST EDITION

ISS&

PROJ. No.: 20240059.A10 DATE: AUGUST 2024



PROJ. No.: 20240059.A10 DATE: AUGUST 2024

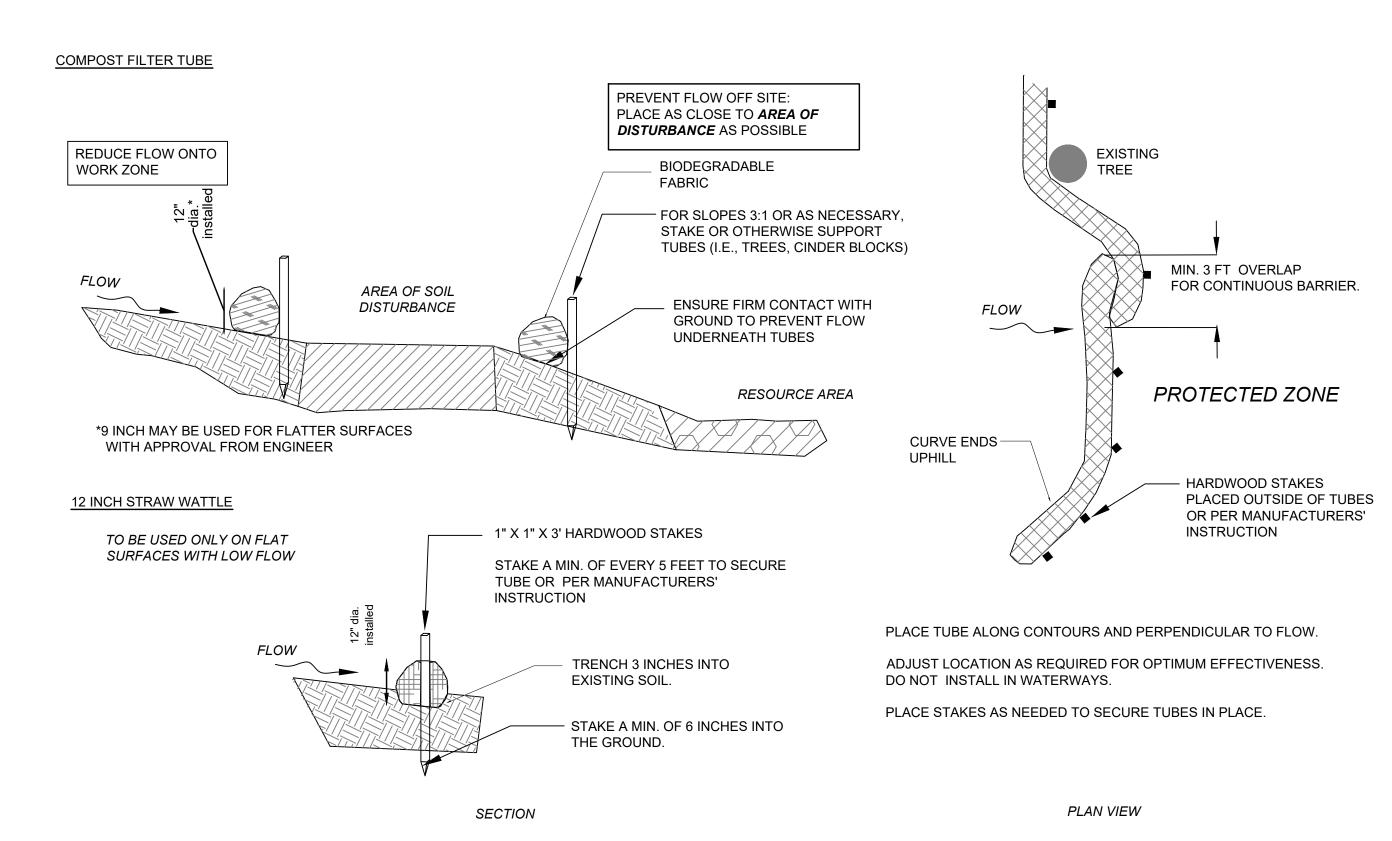
# TYPICAL CONSTRUCTION SIGNING

N.T.S.

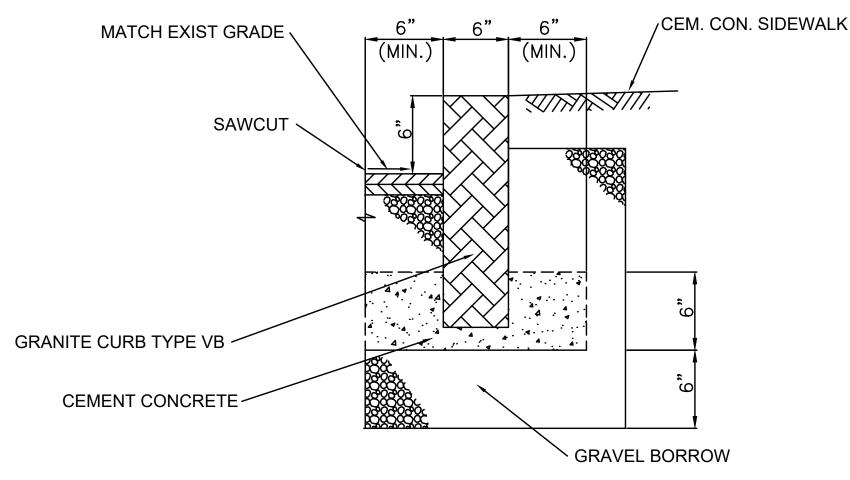
IDENTIFI-	DENTIFI- SIZE OF SIG					TEXT DIMENSIONS (in)			COLOR			ESTIMATED
CATION NUMBER	WIDTH (IN)	HEIGHT (IN)	TEXT	LETTER HEIGHT	VERTI SPAC	ICAL ING	ARROW RTE. MKR	BACK- GROUND	LEGEND	BORDER	AREA (S.F.)	QTY
MA-R2-10a	48	36	WORK ZONES SPEEDING FINES DOUBLED		EE MassE IDARD S			FLOUR. ORANGE WHITE	BLACK	BLACK	12.00	6
MA-R2-10e	36	48	END ROAD WORK  DOUBLE FINES END					FLOUR. ORANGE WHITE	BLACK	BLACK	12.00	3
MA-W21-9	36	36	MOVING OPERATIONS AHEAD		V		V	FLOUR. ORANGE	BLACK	BLACK	9.00	2
W20-1c	36	36	ROAD WORK 1000 FT	HIGHV 20	HWA 200 VAY SIGI 012 SUPI NGLISH	NS MA PLEME	NUAL & ENT	FLOUR. ORANGE	BLACK	BLACK	9.00	3
W21-5	36	36	SHOULDER					FLOUR. ORANGE	BLACK	BLACK	9.00	2
W5-1	36	36	ROAD					FLOUR. ORANGE	BLACK	BLACK	9.00	3
W8-9	36	36	LOW SHOULDER					FLOUR. ORANGE	BLACK	BLACK	9.00	2

PROJ. No.: 20240059.A10 DATE: AUGUST 2024



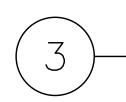


# SEDIMENT BARRIERS - COMPOST FILTER TUBES SCALE: N.T.S.



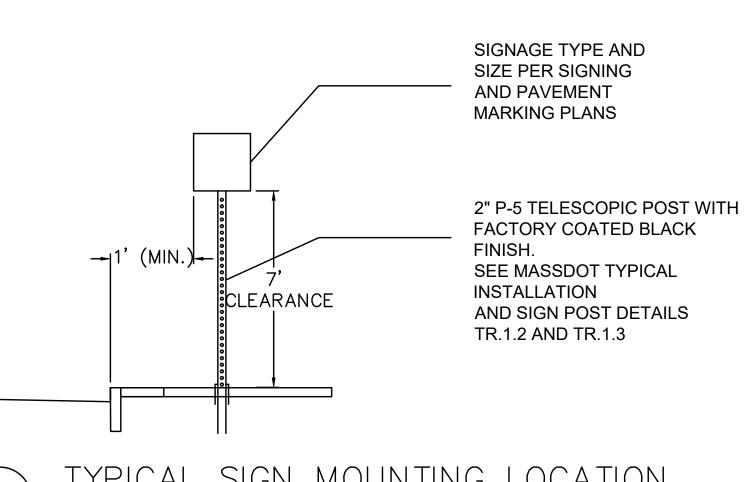
# NOTES:

- 1. LENGTH OF CURB VARIES TO FIT RADIUS. 2 FT. MIN.
- 2. ENDS SHALL BE SQUARE TO TOP AND RADIAL TO FACE.
- 3. BUTT ENDS TOGETHER AS CLOSE AS POSSIBLE. MAXIMUM SPACE OF 1/2" ALLOWED. 8" DOWN FROM TOP. JOINT SHALL BE MORTARED FULL DEPTH.
- 4. 1/2" EXPANSION JOINT EVERY 50± FEET.
- 5. CURBS TO BE SET ON A RADIUS OF 100 FEET OR LESS SHALL BE CUT TO THE CURVE REQUIRED, AND THEIR ENDS CUT ON RADIAL LINES.
- 6. SAWCUT SHALL BE 6" FROM THE PROPOSED FACE OF CURB.

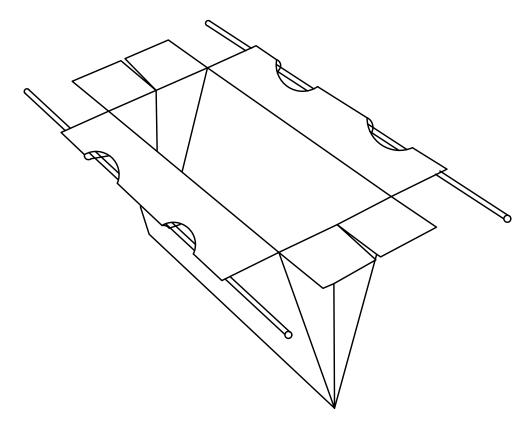


GRANITE CURB

SCALE: N.T.S.



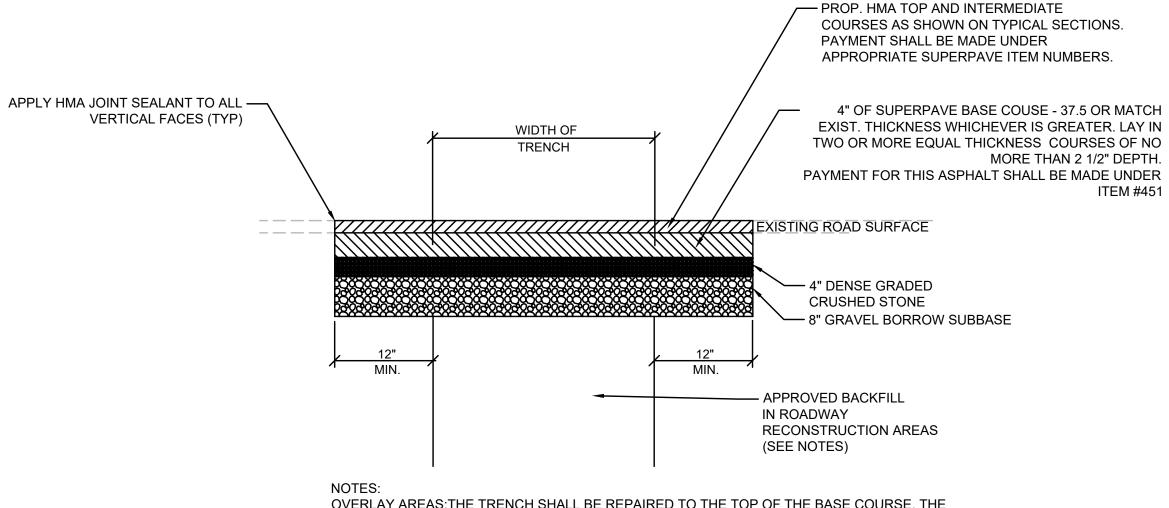
TYPICAL SIGN MOUNTING LOCATION SCALE: N.T.S.



# NOTES:

- 1. SIZED TO FIT ANY SIZE OR SHAPE CATCH BASIN.
- 2. ALL SEAMS DOUBLE STITCHED.
- 3. PERMEABILITY REGULAR FLOW SILTSACK 40 gal./min./sq. ft. HI - FLOW SILTSACK - 200 gal./min./sq. ft.





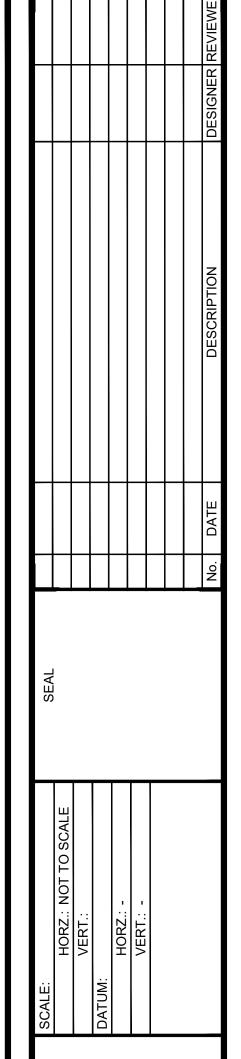
OVERLAY AREAS: THE TRENCH SHALL BE REPAIRED TO THE TOP OF THE BASE COURSE. THE TOP COURSES SHALL BE PLACED WITH OVERLAY OF THE ROADWAY

ROADWAY TRENCHING OUTSIDE OF FULL DEPTH AND OVERLAY: THE TRENCH SHALL BE REPAIRED WITH TOP COURSES INSTALLED WITH THE BASE COURSE.

CONTROLLED DENSITY FILL MAY BE USED IN LIEU OF APPROVED BACKFILL IN PAVEMENT MILLING AND OVERLAY AREAS. **USE OF CONTROLLED DENSITY FILL TO BACKFILL TRENCHES** SHALL BE APPROVED BY THE TOWN OF MONTAGUE PRIOR TO PLACEMENT.

PERMANENT ASHPALT SHALL BE PAID FOR UNDER ITEM #451.





PROJ. No.: 20240059.A10 DATE: AUGUST 2024

CD-501

STANDARD CONCRETE SIDEWALK-NO REINFORCEMENT

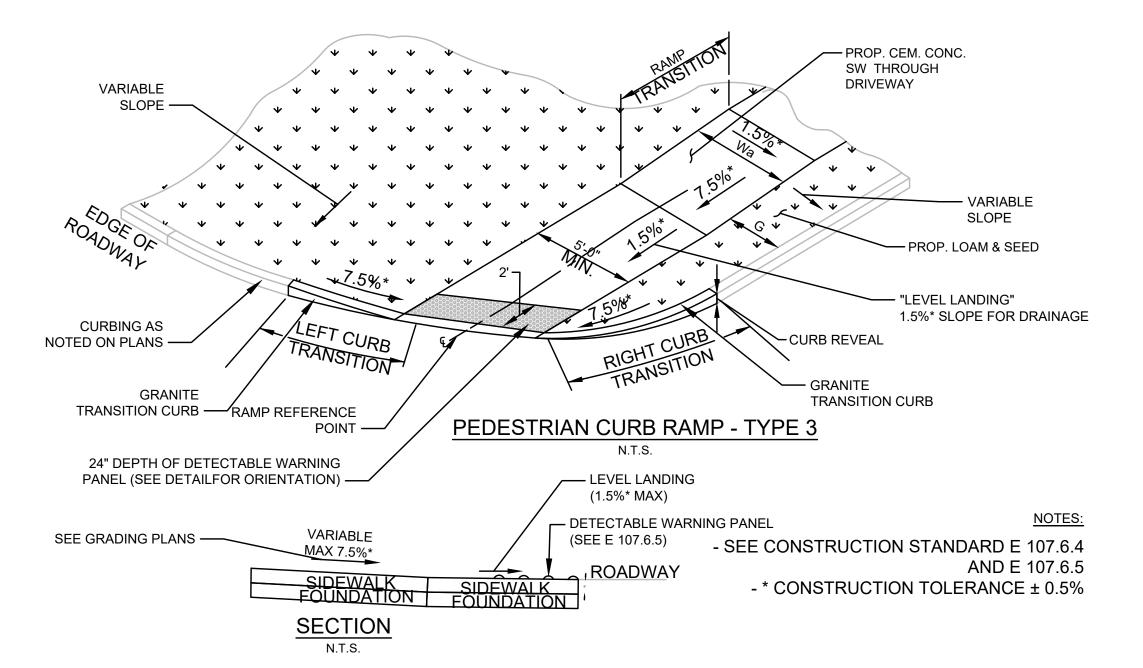
SCALE: N.T.S.

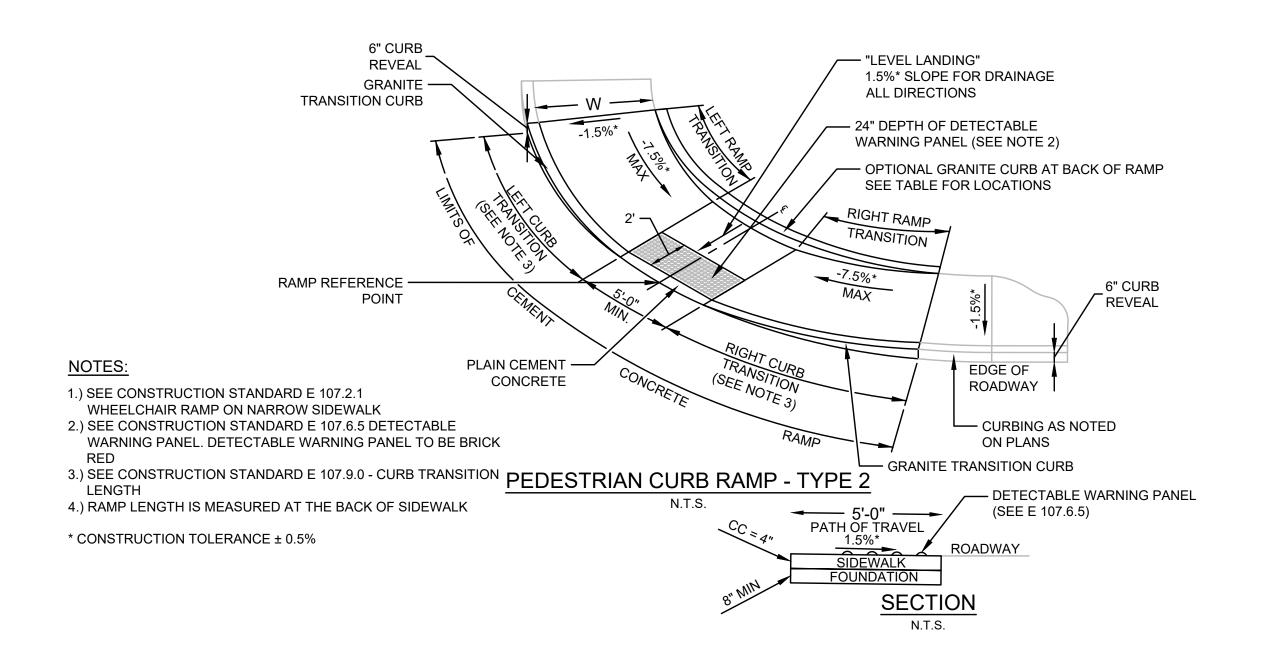
SECTION A-A 1/4" CLEAR ACRYLIC GLAZING (TYP.) QUANTITY (2) SHELTERS THUS: SPECIFICATIONS: DARK BRONZE ANODIZED ALUMINUM FINISH 1/4" CLEAR ACRYLIC GLAZING AND HORIZONTAL MULLION STANDING SEAM HIP ROOF (BLACK) 6" FASCIA WITH INTEGRAL GUTTER SYSTEM 5' WALL MOUNT BENCH WITH BACKREST

PEDESTRIAN BUS SHELTER SCALE: N.T.S.

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

CD-502





SCALE

SCALE

No. Date Description Designer Reviewer

SCALE:

HORZ:: NOT TO SCALE

VERT::

DATUM:

HORZ:: 
VERT:: -

TUSS MAIN STREET, SUITE 400

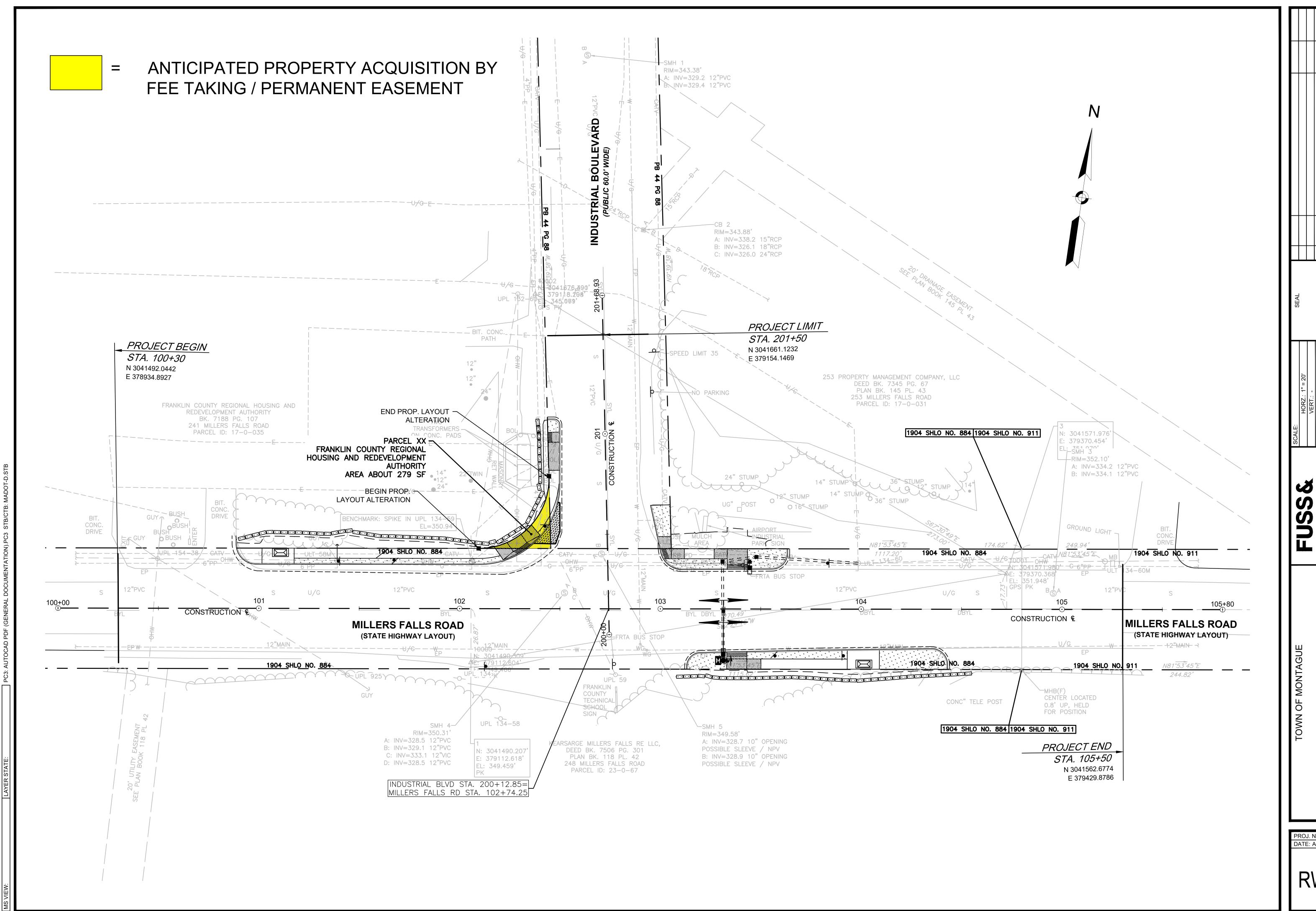
CURB RAMP DETAILS

L BLVD/MILLERS FALLS RD
PIMPROVEMENTS

PEDESTRIAN CURB RA FRTA – INDUSTRIAL BLVD/MI

PROJ. No.: 20240059.A10 DATE: AUGUST 2024

CD-503



 SEAL
 Control of the property of the pr

VERT.: 
DATUM:

HORZ.: 
VERT.: 
VERT.: 
VERT.: 
VERT.: 
VERT.: 
VERT.: -

JOURNAL SUITE 400 SPRINGFIELD, MA 01103

ICIPATED ROW OF IMPACT

DUSTRIAL BLVD/MILLERS FALLS RD

PROJ. No.: 20240059.A10

DATE: AUGUST 2024

RW-101

# FUSS & O'NEILL

# FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements Montague, MA Preliminary Design Estimate 9/11/2024 PRELIMINARY DESIGN COST ESTIMATE SUMMARY

CONCEPT STAGE	DATE	TOTA	۱L
KITTLESON CONCEPT OPINION OF COST	March 2022	\$	178,376
KITTLESON CONCEPT OPINION INFLATION ADJUSTED	Sept 2024	\$	223,375

#### PRELIMINARY DESIGN ALTERNATIVE

ALTERNATIVE #1 OVERHEAD RRFB W/ SIMME SEATS		\$ 235,663
ALTERNATIVE #2 OVERHEAD RRFB W/ BUS SHELTERS		\$ 343,453
ALTERNATIVE #3 PEDESTRIAN HYBRID BEACON (HAWK) W/SIMME SEATS	Sept 2024	\$ 436,831
ALTERNATIVE #4 PEDESTRIAN HYBRID BEACON (HAWK) W/BUS SHELTERS		\$ 544,818



#### FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements Montague, MA Preliminary Design Estimate 9/11/2024

#### ALTERNATIVE #1 OVERHEAD RRFB W/ SIMME SEATS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	PART. COST	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0.00	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,337.50	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,874.74	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155.00	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425.00	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575.00	\$1,575
745.01	2	EA	SIMME SEAT BENCH	\$2,000.00	\$4,000.00	\$4,000
748.	1	LS	MOBILIZATION	\$5,968.68	\$5,968.68	\$5,969
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400.00	\$400
767.121	370	FT	SEDIMENT CONTROL BARRIER	\$6.50	\$2,405.00	\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD RRFB	\$30,000.00	\$30,000.00	\$30,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125.00	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257.00	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680.00	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870.00	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$342.50	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526.00	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530.18	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87.00	\$87
	· · · · · · · · · · · · · · · · · · ·		•	Subtotal:	\$204,925	\$204,925
Perliminary Co Estimate Prepa	onstruction Cost ared For:			Uniformed Traffic Officer Control:	\$10,246	\$10,246
				10% Construction Contingency:	\$20,492	\$20,492

Grand Total:

\$235,663

\$235,663

RTA

FUSS & O'NEILL



#### FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements Montague, MA Preliminary Design Estimate

# 9/11/2024 ALTERNATIVE #2 OVERHEAD RRFB W/ BUS SHELTERS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,42
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575
745.	2	EA	PEDESTRIAN BUS SHELTER	\$47,500.00	\$95,000
748.	1	LS	MOBILIZATION	\$8,698.68	\$8,699
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,50
765.	200	SY	SEEDING	\$2.00	\$400
767.121*	370	FT	SEDIMENT CONTROL BARRIER	\$6.50	\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD RRFB	\$30,000.00	\$30,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87
				Subtotal:	\$298,65
rliminary Co	nstruction			Uniformed Traffic Officer Control:	\$14,933

10% Construction Contingency:

Grand Total:

\$343,453

Cost Estimate Prepared F

FRTA

FUSS & O'NEILL

# FUSS & O'NEILL

#### FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements Montague, MA Preliminary Design Estimate 9/11/2024

#### ALTERNATIVE #3 PEDESTRIAN HYBRID BEACON (HAWK) W/SIMME SEATS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	PART. COST	TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00	\$7,000.00	\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25	\$0.00	\$0
120.	70	CY	EARTH EXCAVATION	\$40.00	\$2,800.00	\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00	\$2,500.00	\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75	\$3,337.50	\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00	\$1,350.00	\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00	\$2,240.00	\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82	\$1,874.74	\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50	\$1,155.00	\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50	\$36,425.00	\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00	\$11,600.00	\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00	\$3,840.00	\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00	\$5,900.00	\$5,900
697.1	1	EA	SILT SACK	\$165.00	\$165.00	\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00	\$12,750.00	\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00	\$9,800.00	\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00	\$1,575.00	\$1,575
745.01	2	EA	SIMME SEAT BENCH	\$2,000.00	\$4,000.00	\$4,000
748.	1	LS	MOBILIZATION	\$11,063.68	\$11,063.68	\$11,064
751.	50	CY	LOAM FOR ROADSIDES	\$120.00	\$6,000.00	\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00	\$10,500.00	\$10,500
765.	200	SY	SEEDING	\$2.00	\$400.00	\$400
767.121	370	FT	SEDIMENT CONTROL BARRIER	\$6.05	\$2,238.50	\$2,239
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD PHB (HAWK)	\$200,000.00	\$200,000.00	\$200,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50	\$1,125.00	\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00	\$1,750.00	\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00	\$8,750.00	\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00	\$6,600.00	\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05	\$2,257.00	\$2,257
856.	120	DAY	ARROW BOARD	\$17.00	\$2,040.00	\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00	\$3,600.00	\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00	\$2,921.00	\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40	\$1,680.00	\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00	\$3,920.00	\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15	\$3,870.00	\$3,870
866.112	50	FT	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85	\$342.50	\$343
867.106	700	FT	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18	\$1,526.00	\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00	\$340.00	\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09	\$530.18	\$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00	\$87.00	\$87
				Subtotal:	\$379,853	\$379,853
Perliminary Co Estimate Prepa	onstruction Cost ared For:			Uniformed Traffic Officer Control:	\$18,993	\$18,993
·				10% Construction Contingency:	\$37,985	\$37,985

Grand Total:

\$436,831

\$436,831

RTA

FUSS & O'NEILL

# FUSS & O'NEILL

#### FRTA – Industrial Blvd/Millers Falls Rd Bus Stop Improvements Montague, MA Preliminary Design Estimate

#### eliminary Design Estimat 9/11/2024

#### ALTERNATIVE #4 PEDESTRIAN HYBRID BEACON W/ BUS SHELTERS

ITEM NO.	PART. QUANTITY	UNIT	DESCRIPTION	UNIT PRICE		TOTAL
100	1	LS	SCHEDULE OF OPERATIONS - FIXED PRICE \$7000	\$7,000.00		\$7,000
102.1	0	FT	TREE TRIMMING	\$14.25		\$0
120.	70	CY	EARTH EXCAVATION	\$40.00		\$2,800
141.101*	10	CY	TEST PIT FOR EXPLORATION-VACUUM TRUCK	\$250.00		\$2,500
151.	50	CY	GRAVEL BORROW	\$66.75		\$3,338
170.	225	SY	FINE GRADING AND COMPACTING - SUBGRADE AREA	\$6.00		\$1,350
450.22	7	TON	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	\$320.00		\$2,240
450.23	7	TON	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	\$267.82		\$1,875
482.3	210	FT	SAWCUTTING ASPHALT PAVEMENT	\$5.50		\$1,155
506.	310	FT	GRANITE CURB TYPE VB - STRAIGHT	\$117.50		\$36,425
506.1	80	FT	GRANITE CURB TYPE VB - CURVED	\$145.00		\$11,600
509.	40	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - STRAIGHT	\$96.00		\$3,840
509.1	50	FT	GRANITE TRANSITION CURB FOR PEDESTRIAN CURB RAMPS - CURVED	\$118.00		\$5,900
697.1	1	EA	SILT SACK	\$165.00		\$165
701.*	150	SY	CEMENT CONCRETE SIDEWALK	\$85.00		\$12,750
701.2*	70	SY	CEMENT CONCRETE PEDESTRIAN CURB RAMP	\$140.00		\$9,800
701.3	15	SY	STAMPED & COLORED CEMENT CONCRETE	\$105.00		\$1,575
745	2	EA	PEDESTRIAN BUS SHELTER	\$47,500.00		\$95,000
748.	1	LS	MOBILIZATION	\$13,798.68		\$13,799
751.	50	CY	LOAM FOR ROADSIDES	\$120.00		\$6,000
756.*	1	LS	NPDES STORMWATER POLLUTION PREVENTION PLAN	\$10,500.00		\$10,500
765.	200	SY	SEEDING	\$2.00		\$400
767.121	370	SY	SEDIMENT CONTROL BARRIER	\$6.50		\$2,405
815.1	1	LS	TRAFFIC CONTROL SIGNAL LOCATION NO. 1- OVERHEAD PHB (HAWK)	\$200,000.00		\$200,000
832.	50	SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	\$22.50		\$1,125
847.12*	7	EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL (BLACK)	\$250.00		\$1,750
851.1	70	DAY	TRAFFIC CONES FOR TRAFFIC MANAGEMENT	\$125.00		\$8,750
852.	220	SF	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	\$30.00		\$6,600
854.1	740	SF	PAVEMENT MARKING REMOVAL	\$3.05		\$2,257
856.	120	DAY	ARROW BOARD	\$17.00		\$2,040
856.12	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN	\$30.00		\$3,600
859.	2,921	DAY	REFLECTORIZED DRUM	\$1.00		\$2,921
864.04	200	SF	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	\$8.40		\$1,680
865.*	560	SF	CROSS WALKS REFLECTORIZED WHITE (THERMOPLASTIC)	\$7.00		\$3,920
866.106	1,800	FT	6 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$2.15		\$3,870
866.112	50	FT.	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	\$6.85		\$343
867.106	700	FT.	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	\$2.18		\$1,526
874.	2	EA	STREET NAME SIGN	\$170.00		\$340
874.2	2	EA	TRAFFIC SIGN REMOVED AND RESET	\$265.09		\$540 \$530
874.4	1	EA	TRAFFIC SIGN REMOVED AND STACKED	\$87.00		\$87
017.4	<u>'</u>	LA	THE THE GIGHT REMOVED AND STACKED	φοτ.υυ	Subtotal:	\$473,755

Perliminary Construction
Cost Estimate Prepared For:

FRTA

Subtotal: \$473,755
Uniformed Traffic Officer Control: \$23,688

10% Construction Contingency: \$47,375

Grand Total: \$544,818





# Annual Town Meeting SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year **FY 26** 

This form is intended for use with capital article submissions ≥ \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due 10/31/2024.

Check Here if this an expedited req	uest for Winter 2024	Special Town Meeting
Selectboard/Planning	Submitted by:	Christopher Nolan-Zeller
\$91,200	Date Prepared:	January 27, 2025
Montague Center Complete Street	s Design	
ling:		
<b>\$91,200</b> , or any other amount, fo tabs for the Montague Center Co	r the purpose of fir	nal design, project specifications, and
or Background Materials: (Provide a fo	ull description of the item	o or service. <u>Use attachments as needed</u> .)
ements in Montague Center. These is accommodations on Main Street, and the grant is eligible to fund constant expenses must come from other days and the additional street.	include North Street, and improvements a truction phase servic er sources. services that are nec	/Main Street/Town Common t the FRTA bus stop on Main Street in tes, including administration and tessary for the projects to move forward.
	\$91,200  Montague Center Complete Street  ing:  vill vote to raise and appropriate, \$91,200, or any other amount, for tabs for the Montague Center Compass any vote or votes in relation  or Background Materials: (Provide a formation of the sum of \$499,60)  ements in Montague Center. These is accommodations on Main Street, and the grant is eligible to fund consists any expenses must come from other day and quote to provide the additional strends in clude Final Design (\$74,400),	\$91,200  Montague Center Complete Streets Design  ling:  vill vote to raise and appropriate, transfer from avaitable for the Montague Center Complete Streets programs any vote or votes in relation thereto.  The Background Materials: (Provide a full description of the item and was awarded the sum of \$499,682.80 from MassDO ements in Montague Center. These include North Street, accommodations on Main Street, and improvements a hile the grant is eligible to fund construction phase services sary expenses must come from other sources.  In a quote to provide the additional services that are neconding include Final Design (\$74,400), Project Specification

Scoping Questions		Yes	No					
Please elaborate in the comments box a  Do you have a written estimate or proportions attach the estimate		? 🗵						
If yes, attach the estimate Is there a lease option for this expense?			$\boxtimes$					
Will this item or project replace a capita	l asset?		$\boxtimes$					
Will this create ongoing costs or savings	?		$\boxtimes$					
Will this leverage grant or other externa	I funding?	$\boxtimes$						
Is this request identified on the Capital I	mprovement Plan?		$\boxtimes$					
Describe how the project/ purchase will	ll be managed							
Who will manage procurement and execution of the project? Will external resources be required for design, engineering, procurement, or construction oversight?  The Town will contract with the engineering firm VHB, who assisted the Town in the development of its successful Complete Streets application, and who have agreed to provide construction administrative and oversight services. No need for grant-ineligible outside services is anticipated beyond what is included in VHB's 1/15/25 proposal to the Town. The Assistant Town Administrator will serve as the Town's project manager.								
Why is it essential that the Town make Make your argument for why this project is new consequences of inaction.		ne benefits of the project	. If necessary, describe the					
The substantial award from MassDOT for these three projects in Montague Center presents a rare opportunity to leverage outside resources for improving vehicular, pedestrian, and bicyclist safety in the village center. Allowing these projects to advance presents significant cost savings as compared to the Town relying on its own capital funds to cover nearly \$500,000 worth of construction costs on these essential improvements. This area has been the subject of several discussions related to local traffic safety in recent years, with community input identifying traffic calming and bike/pedestrian safety improvements in this neighborhood as top priorities.								
Relative Priority: Your assessment of the Critical Importance Highly	•	the Town at the pre	esent time.					

XOX

0

0

Comn	nents and addit	ional informatio	n:		
<u> </u>				 	 





January 14, 2025

Maureen Pollock Town Planner 1 Avenue A Montague, MA 01376

Via email: mpollock@montague-ma.gov

#### Dear Maureen Pollock:

Thank you for your Tier 3 submission to the Compete Streets Funding Program during Round 2 of the Fiscal Year 2025 application solicitation. We received many applications and had a very competitive application pool from which to select. I am pleased to notify you that Montague's application has been approved for \$499,682.80.

Awarded municipalities will enter into a contract with MassDOT for the completion of approved work. A member of the Community Grants Group will reach out shortly to gather all necessary information to begin the contracting process. It is anticipated that the Notice to Proceed (NTP) will be issued by April 1, 2025, and the deadline for construction will be December 31, 2026. MassDOT-funded work may not proceed until the NTP is issued.

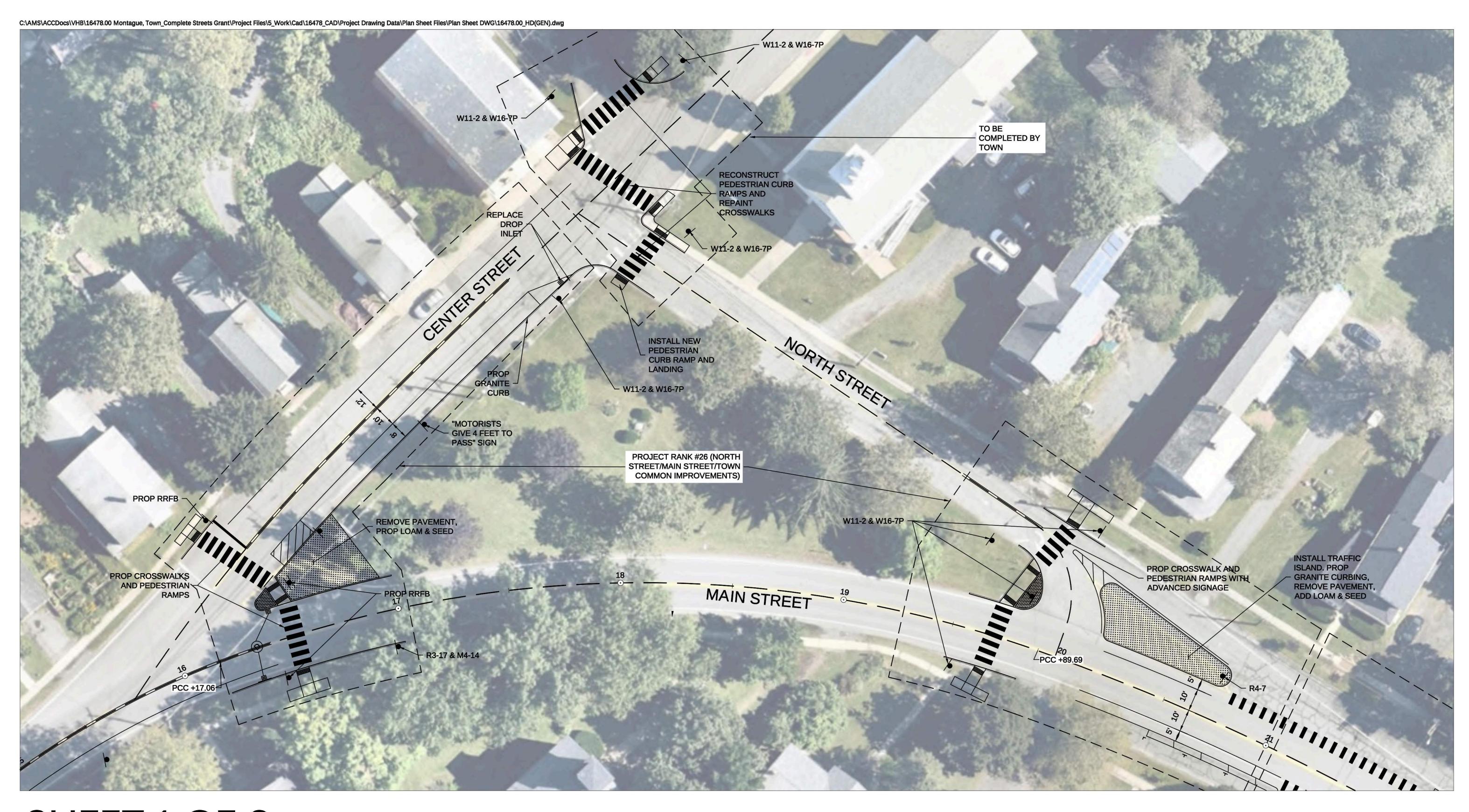
Please note that as detailed in the Program Guidance, design is not an eligible grant cost. Design work for this project may begin at any time and must be completed by a MassDOT Prequalified Contractor. Construction funds awarded through this program are paid via the reimbursement of approved costs. Reimbursement requests are processed by your District State Aid Engineer in the same manner as Chapter 90 projects on Grant Central.

Please email <u>CompleteStreetsProgram@dot.state.ma.us</u> with questions related to this award. Thank you for your commitment to improving safety, access, and mobility for all roadway users in your community and for your participation in the Complete Streets Funding Program. MassDOT looks forward to working with you on this important project.

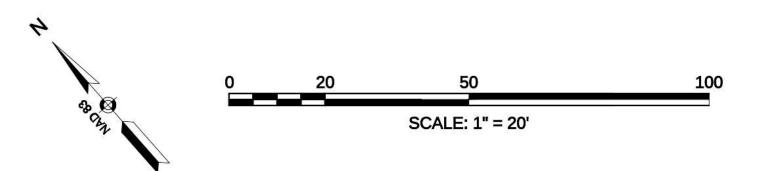
Sincerely,

Jonathan L. Gulliver Highway Administrator

cc: Kristen Rebelo, MassDOT Community Grants Program Administrator Patricia Leavenworth, MassDOT District 2 Highway Director Walter Ramsey, Montague Town Administrator



SHEET 1 OF 3
COMPLETE STREETS
MONTAGUE, MA





SHEET 2 OF 3
COMPLETE STREETS
MONTAGUE, MA







SHEET 3 OF 3
COMPLETE STREETS
MONTAGUE, MA







# **Complete Streets Funding Program Exhibit B: Preliminary Estimate Form**

Municipality:	Montague	Date:	29-Sep-24
Project Name:	North Street/Main Street/Town Common Improvements		
Project Rank:	26	Please use one tab per project. Dele	te unused tabs.

Item #	Item Description	Unit	Quantity	Unit Price	Total Cost
120.1	Unclassified Excavation	CY	138	\$ 60.00	\$ 8,280.00
151	Gravel Borrow	CY	30	\$ 65.00	\$ 1,950.00
170	Fine Grading and Compacting - Subgrade Area	SY	130	\$ 8.00	\$ 1,040.00
209.1	Drop Inlet Type DF	EA	3	\$ 5,000.00	\$ 15,000.00
222.3	Frame and Grate (or cover) - Municipal Standard	EA	3	\$ 1,200.00	\$ 3,600.00
227.3	Removal of Drainage Structure Sediment	CY	6	\$ 13.00	\$ 78.00
241.12	12 Inch Reinforced Concrete Pipe Class III	LF	25	\$ 130.00	\$ 3,250.00
433	Water for Roadway Dust Control	MGL	1.35	\$ 100.00	\$ 135.00
452	Asphalt Emulsion for Tack Coat	GAL	2	\$ 16.00	\$ 32.00
482.3	Sawcutting Asphalt Pavement	FT	400	\$ 7.00	\$ 2,800.00
506	Granite Curb Type VB- Straight	LF	100	\$ 96.00	\$ 9,600.00
506.1	Granite Curb Type VB- Curved	LF	280	\$ 108.00	\$ 30,240.00
509	Granite Transition Curb For Pedestrian Curb Ramps - Straight	LF	36	\$ 100.00	\$ 3,600.00
509.1	Granite Transition Curb For Pedestrian Curb Ramps - Curved	LF	16	\$ 100.00	\$ 1,600.00
451	Hot Mix Asphalt for Patching	TON	5	\$ 285.00	\$ 1,425.00
570	Hot Mix Asphalt Berm - Option	LF	200	\$ 40.00	\$ 8,000.00
701	Cement Concrete Sidewalk	SY	25	\$ 90.00	\$ 2,250.00
701.2	Cement Concrete Pedestrian Curb Ramp	SY	100	\$ 138.00	\$ 13,800.00
751	Loam For Roadsides	CY	50	\$ 91.00	\$ 4,550.00
765	Seeding	SY	26	\$ 3.00	\$ 78.00
825.2	RRFB (2-Post Assembly System) Solar	EA	1	\$ 30,000.00	\$ 30,000.00
832	Warning-Regulatory and Route Marker - Aluminum Panel (Type A)	SF	69	\$ 20.00	\$ 1,380.00
847.1	Sign Sup (N/Guide)+RTE MKR W/1 Brkway Post Assembly - Steel	EA	11	\$ 275.00	\$ 3,025.00
854.1	Pavment Marking Removal	SF	800	\$ 5.00	\$ 4,000.00
860.104	4 Inch Reflectorized White Line (Painted)	FT	400	\$ 3.00	\$ 1,200.00
860.112	12 Inch Reflectorized White Line (Painted)	FT	690	\$ 12.00	\$ 8,280.00
861.104	4 Inch Reflectorized Yellow Line (Painted)	FT	200	\$ 3.00	\$ 600.00
864	Pavement Arrow and Legends Reflectorized White (Painted)	SF	150	\$ 15.00	\$ 2,250.00
874.2	Traffic Sign Removed and Reset	EA	2	\$ 190.00	\$ 380.00
	SUB-TOTAL				\$ 162,423.00
	Construction Contingency (10%)				\$ 16,242.30
	Traffic Police (5%)				\$ 8,121.15
	Construction Engineering/Oversight (0%)				
	Mobilization (3%)				\$ 4,872.69
TOTAL	M	lassDOT re	quest not to e	xceed \$500,000	\$ 191,659.14

When developing cost estimates, municipalities may use the State Aid Reimbursable Programs Estimating

 $\underline{\textbf{Tool (SARPET) found online at www.mass.gov/state-aid-reimbursable-programs-estimating-tool.}}$ 

Do not exceed MassDOT Allowances for Contingency, Construction Engineering Oversight, Mobilization, or Police.

See MassDOT Standard Allowances tab of this document.

Standard MassDOT Item numbers can be found at https://hwy.massdot.state.ma.us/CPE/ItemSearch.aspx.

HED-614 (R) Supervisor/Foreman Date



HED-614 (R)

# Complete Streets Funding Program Exhibit B: Preliminary Estimate Form

Municipality:	Montague	Date:	29-Sep-24							
Project Name:	Bicycle Accommodation on Main Street									
Project Rank:	Please use one tab per project. Delete unused tabs.									
Item #	Item Description	Unit	Quantity	Unit Price		Total Cost				
832	Warning-Regulatory and Route Marker - Aluminum Panel (Type A)	SF	25	\$ 20.00	\$	500.00				
847.1	Sign Sup (N/Guide)+RTE MKR W/1 Brkway Post Assembly - Steel	EA	4	\$ 275.00	\$	1,100.00				
854.1	Pavment Marking Removal	SF	2400	\$ 5.00	\$	12,000.00				
860.104	4 Inch Reflectorized White Line (Painted)	FT	3,555	\$ 3.00	\$	10,665.00				
861.104	4 Inch Reflectorized Yellow Line (Painted)	FT	3555	\$ 3.00	\$	10,665.00				
863.1	High Friction Green Bicycle Facility Surface Treatment	SF	535	\$ 11.00	\$	5,885.00				
864	Pavement Arrow and Legends Reflectorized White (Painted)	SF	360	\$ 15.00	\$	5,400.00				
	SUB-TOTAL				\$	46,215.00				
	Construction Contingency (10%)				\$	4,621.50				
	Traffic Police (5%)				\$	2,310.75				
	Construction Engineering/Oversight (0%)									
	Mobilization (3%)				\$	1,386.45				
TOTAL	Ma	assDOT red	quest not to e	xceed \$500,000	\$	54,533.70				
Tool (SARPET) for Do not exceed Ma See MassDOT St	g cost estimates, municipalities may use the State Aid Reimbursab bound online at www.mass.gov/state-aid-reimbursable-programs-es assDOT Allowances for Contingency, Construction Engineering Oversig andard Allowances tab of this document.	timating-to	ool. ation, or Police	_						

Supervisor/Foreman

Date



# Complete Streets Funding Program Exhibit B: Preliminary Estimate Form

Municipality: Montague				29-Sep-24
Project Name:	Improvements at the FRTA Bus Stop on Main Street in Mont	ague Center		
Project Rank:	34	Please use one tab per proje	ect. Delet	e unused tabs.

Item # Item Description		Unit	Quantity	Unit Price		Total Cost
120.1	Unclassified Excavation	CY	61	\$ 60.00	\$	3,660.00
151	Gravel Borrow	CY	103	\$ 65.00	\$	6,695.0
170	Fine Grading and Compacting - Subgrade Area	SY	220	\$ 8.00	\$	1,760.0
209.1	Drop Inlet Type DF	EA	5	\$ 5,000.00	\$	25,000.0
220.3	Drainage Structure Change in Type	EA	2	\$ 2,000.00	\$	4,000.0
223.2	Frame and Grate/Cover R&D	EA	2	\$ 100.00	\$	200.00
222.3	Frame and Grate (or cover) - Municipal Standard	EA	7	\$ 1,200.00	\$	8,400.0
227.3	Removal of Drainage Structure Sediment	CY	10	\$ 13.00	\$	130.0
241.12	12 Inch Reinforced Concrete Pipe Class III	LF	188	\$ 130.00	\$	24,440.0
415.3	Pavement Micro Milling	SY	350	\$ 27.00	\$	9,450.0
433	Water for Roadway Dust Control	MGL	1.4	\$ 100.00	\$	140.0
452	Asphalt Emulsion for Tack Coat	GAL	35	\$ 16.00	\$	560.0
460.23	Superpave Surface Course - 12.5 (SIC -12.5)	TON	70	\$ 180.00	\$	12,600.0
460.53	Superpave Leveling Course - 12.5 (SIC -12.5)	TON	30	\$ 200.00	\$	6,000.0
482.3	Sawcutting Asphalt Pavement	FT	220	\$ 7.00	\$	1,540.0
506	Granite Curb Type VB- Straight	LF	230	\$ 96.00	\$	22,080.0
506.1	Granite Curb Type VB- Curved	LF	180	\$ 108.00	\$	19,440.0
509	Granite Transition Curb For Pedestrian Curb Ramps - Straight	LF	16	\$ 100.00	\$	1,600.0
509.1	Granite Transition Curb For Pedestrian Curb Ramps - Curved	LF	8	\$ 100.00	\$	800.00
451	Hot Mix Asphalt for Patching	TON	5	\$ 285.00	\$	1,425.0
570	Hot Mix Asphalt Berm - Option	LF	40	\$ 40.00	\$	1,600.0
701	Cement Concrete Sidewalk	SY	60	\$ 90.00	\$	5,400.0
701.2	Cement Concrete Pedestrian Curb Ramp	SY	100	\$ 138.00	\$	13,800.0
734	Sign Removed and Reset	EA	1	\$ 650.00	\$	650.0
751	Loam For Roadsides	CY	12	\$ 91.00	\$	1,092.0
765	Seeding	SY	100		\$	300.0
825.2	•	EA	1	\$ 30,000.00	\$	30,000.0
832	Warning-Regulatory and Route Marker - Aluminum Panel (Type A)	SF	50		\$	1,000.0
847.1	Sign Sup (N/Guide)+RTE MKR W/1 Brkway Post Assembly - Steel	EA	2		\$	550.0
	Pavment Marking Removal	SF	100		\$	500.0
	12 Inch Reflectorized White Line (Painted)	FT	560		\$	6,720.0
	High Friction Green Bicycle Facility Surface Treatment	SF	120		\$	1,320.0
	Pavement Arrow and Legends Reflectorized White (Painted)	SF	120		\$	1,440.0
	Traffic Sign Removed and Reset	EA	2		\$	380.0
874.4	Traffic Sign Removed and Stacked	EA		\$ 75.00	\$	150.0
	SUB-TOTAL				\$	214,822.0
	Construction Contingency (10%)				\$	21,482.2
	Traffic Police (5%)				\$	10,741.1
	Construction Engineering/Oversight (0%)				7	10,. 71.1
	Mobilization (3%)	1			\$	6,444.6
ΓAL		assDOT red	quest not to e	xceed \$500,000	ě	253,489.9

When developing cost estimates, municipalities may use the State Aid Reimbursable Programs Estimating

Tool (SARPET) found online at www.mass.gov/state-aid-reimbursable-programs-estimating-tool.

Do not exceed MassDOT Allowances for Contingency, Construction Engineering Oversight, Mobilization, or Police.

See MassDOT Standard Allowances tab of this document.

Standard MassDOT Item numbers can be found at https://hwy.massdot.state.ma.us/CPE/ItemSearch.aspx.

HED-614 (R) Supervisor/Foreman Date



Engineers Scientists Planners Designers

One Federal Street, Building 103-3B, Springfield, Massachusetts 01105

P 413.747.7113

F 413.747.0916 www.vhb.com

## **Client Authorization**

	New Contract	Date:	January 15, 2025	
	Amendment No.	Project No.	87437.24	
	Project Name: Montague Complete Streets Design			
			Cost Esti	mate
To:	Maureen Pollock		Amendment	Contract Total
	Town Planner	Labor		\$151,400.00
	Town of Montague	Expenses		
	1 Avenue A Turners Falls, MA 01376	TOTAL		\$151,400.00
Email:	mpolluck@montague-ma.gov	X	Lump Sum	☐ Time & Expenses
			Cost + Fixed Fee	Labor Multiplier

Phone No: (413) 863-3200 Estimated Date of Completion: Eighteen (18) months from notice to proceed

At the request of the Town of Montague (the "Town"), VHB is providing this proposal for professional engineering services for the final design and part-time construction phase services for three (3) Complete Streets projects. The project sketches for these projects were prepared under a Complete Streets Review contract with the Town dated July 29, 2024. The following scope will advance the design of these sketches and will consist of survey, final design, preparation of final bid documents and part-time construction phase services; permitting is not anticipated nor included.

#### **PROJECT LOCATIONS**

The project locations are based on the sketches VHB completed as part of the previous Complete Streets contract with the town. These sketches were submitted with the October 1, 2024, grant application and will be used as the basis for this scope of services. The following summarizes the three (3) project locations:

- 1.) Tier 2 Complete Street Project Priority #26 North Street/Main Street/Town Common Improvements
- 2.) Tier 2 Complete Street Project Priority #33 Bicycle Accommodations on Main Street
- 3.) Tier 2 Complete Street Project Priority #34 Improvements at the FRTA Bus Stop on Main Street in Montague Center

#### Task 1 – Survey and Base Plan Development

VHB will coordinate with a local (in Palmer) MassDOT qualified surveyor (Hancock Associates, previously Sherman Frydryk, LLC) to prepare an existing conditions base plan for the three (3) Project locations. The following summarizes the goal of survey for each project:

- The surveyed base plan for Project Priority #26 and #34 will obtain ground surface features, underground utilities based on record and field observed information, rim and inverts of storm and sanitary sewer structures, approximate right-of-way locations, spot grades and existing contours will be developed.
- Survey obtained for Project Priority #33 will be limited to features within the roadway curb to curb, line painting, and visible surface utility structures. This is proposed as a cost saving measure since the work will be limited to the removal and installation of pavement markings and signage only.
- A section of North Street between Main Street and Center Street that is not part of the three (3) projects will also be surveyed to obtain right-of way lines, pavement markings, surface utilities and sidewalk

Ref: 87437.24 January 15, 2025 Page 2



location. The purpose of this is to complete the right-of-way layout for the Common and abutting roadways and provide a seamless transition between the proposed improvements and existing conditions. This information can also be used by the Town for future projects and improvements since this area has not been documented.

The Hancock Associates survey scope is attached to this Agreement for more details. Under this task VHB has budgeted time to conduct a field walk to review existing conditions base plans prepared by Hancock Associates and the surrounding area prior to advancing final design. The improvements for these three (3) locations assume that construction will be within the existing Town Layout so it is anticipated that right-of-way (easements, takings, or other) will not be need. It is assumed the town will work with abutters to advise on the potential work to be completed outside the roadway layout (such as grading or other tie ins), this includes right-of-entries or other information to document approval.

#### Task 2 – Montague Historical Commission Coordination

The project area encompassing the three (3) projects is within the Montague Center Historic District. The Montague Village Common is identified on the National Register of Historic Places (NRHP) and is identified as Article 97 land owned by the Town. The improvements propose extensions of the Common's grass area at the apex of the Main Street intersections with Center Street and North Street to accommodate new crosswalks. Proposed new curbing and re-establishing the deteriorated grass area along the south side of Center Street (north side of the Common) will help protect the Montague Village Common Watering Trough also identified on the NRHP. The Montague Village Common War Memorial within the Common will not be impacted by the proposed improvements. These improvements are not anticipated have adverse effects to the historical characteristics of the Common and are assumed to be considered acceptable on this land. The buildings along Main Street, Center Street and North Street are listed on the NRHP, and the proposed design is not anticipated to impact this area.

VHB will assist Town Staff in coordinating with the local Historic Commission. VHB will attend meetings, make minor adjustments to the design based on comments received from the Historic Commission. VHB anticipating having to identify improvements that may need approval from the commission such as ornamental traffic signal post bases, material type for sidewalk, and colors of pedestrian detectable warning panels. VHB will provide photos and specifications for up to four (4) items within the project limits that fall under the jurisdiction of the commission. If an application needs to be prepared for commission approval, VHB has assumed that the town will prepare any applications needed with the information provided by VHB.

VHB has budgeted one (1) virtual meeting with Town staff and one (1) virtual meeting with the Montague Historical Commission with up to two (2) VHB staff in attendance. VHB has not budgeted for coordinating with the Massachusetts Historic Commission (MHC) or other Agencies that may have jurisdiction within the project area. Color 2D or 3D renderings are not anticipated to be needed and therefore are not included in this Agreement.

#### Task 3 - Final Design

Using the existing conditions surveyed base plan from Task 1, and the conceptual sketches that were prepared by VHB, final design plans will be provided for the three (3) locations. Plans will provide general information, details, and notes to construct the project. Since the three locations are connected and two of them overlap, the design will be prepared and bid as one (1) project. The plans will incorporate critical information such as spot grading, designed pedestrian curb ramps, raised crosswalks, new curb locations and the design of one (1) transit shelter pad where related amenities will be placed. The rectangular rapid flashing beacons (RRFBs) proposed will be solar powered, the feasibility of solar power will be coordinated with a vendor at this stage. If solar power is not feasible, and the design needs to accommodate electrical power, an Amendment to this Agreement will be required.

Ref: 87437.24 January 15, 2025 Page 3



Plans will be presented in a format using 24"x36" sheets and plans will be prepared at a 1"=20' scale. VHB will update the previously prepared itemized construction cost estimates. There will be three (3) estimates prepared and then combined into one (1) for bidding purposes. Combining the three will occur under Task 4. VHB will submit the design to the Town for review and VHB will address agreed upon comments before finalizing the design.

Three (3) virtual meetings are budgeted with the Town to review plan progress prior to finalizing this task, up to two (2) VHB staff in attendance.

### **Task 4 – Project Specifications**

VHB will prepare project related special provisions based on the latest editions of the MassDOT Standard Specifications for Highways and Bridges and Supplemental Specifications for the appropriate items in the itemized estimate. Special provisions are anticipated to be drafted for a specific or unique activity that needs to be performed by the contractor.

VHB will also combine the itemized estimate prepared in Task 3 above. Finally, VHB will perform a final internal review of the plans, specifications, and estimate.

#### Task 5 - Bid Documents and Bid Tabs

This task anticipates that the town will compile the bid package utilizing the above task deliverables prepared by VHB. It is also expected that the town will coordinate the bidding process, advertisement, issuance of plans, issuance of addendum, and will award the project. VHB will assist the Town in this process and more specifically provide the following:

- Final bid documents with plans and specifications that address agreed upon comments from the town.
- Bid tabs using the items in the construction cost estimate. VHB will coordinate combining the items from each of the project cost estimates into one bid tab and identify if add alternatives need to be coordinated due to budget constraints. VHB is budgeting for up to two (2) add alternates in the bid package in the event that the final construction cost estimate is higher than the preliminary.
- Provide support to the town once the project is out to bid (budget 21 hours):
  - Review/answer questions from contractors related to VHB's design during bidding.
  - o Provide specifics to the town related to VHB's design for town issuance of addendum(s).
  - Review high and low bids received by the town and make recommendation of award.

#### Task 6 – Construction Phase Services (Part-Time)

VHB will provide part-time construction phase services. It is anticipated that construction will take no more than four (4) months. Limitation of Responsibilities: VHB will not supervise or have control over site safety and the Contractor's safety precautions or programs in connection with the work, nor for the Contractors' work, construction ways, means, methods, techniques, sequences or procedures selected by the Contractors in connection with the Work. VHB will not be responsible for the acts or omissions of any Contractor, or of any subcontractor or supplier, or any of the Contractor(s), or subcontractor's or supplier's agents or employees, or any other persons (except VHB's own employees and agents) at the site or otherwise furnishing or performing any of the Contractor(s)'s work. VHB has budgeted 172 hours for the following:

- Review up to five (5) Highway Shop Drawings.
- Review Request for Information (RFI) from the contractor. VHB has budgeted for up to four (4) RFIs.



- Attend the following four (4) meetings with up to two (2) VHB staff in attendance.
  - o One (1) in-person Pre-Construction Meeting.
  - o Two (2) virtual meetings with the Town to answer questions and review construction status.
  - One (1) in-person meeting is budgeted to close out the project with the town and the contractor.
- Perform one field visit bi-weekly to conduct field checks during construction reviewing the contractor's progress. This is not full-time (daily) construction observations, and each field visit is anticipated to take no more than two (2) hours. VHB will use these limited field visits to coordinate with the town and document the construction progress. The timing of these meetings with the contractor will need to be coordinated.
- Perform one (1) traffic signal and Rectangular Rapid Flashing Beacon (RRFB) Inspection.
- Develop a punch list letter summary for the town and contractor once the project is substantially complete.

#### SERVICES NOT INCLUDED

The following services are not anticipated and, therefore, not included in this proposal at this time:

- As-built survey or updates to the design plans post construction.
- Pavement testing (cores, test pits, probes, etc.) and/or pavement design.
- Abutter coordination or outreach meetings for the work to be performed.
- Full-time construction phase services.
- Requesting and obtaining State prevailing wages.
- Evaluate conditions or design of retaining walls, fencing, bridges, bollards, or other structural aspects.
- Design and sizing of storm and sanitary sewer mains. Minor drainage work proposed will tie into the existing roadway drainage system.
- Coordination of hearings for tree removals or other permitting associated with the proposed improvements.
- Right-of-Way (ROW) plans will not be prepared. Work will be proposed within the existing Town ROW to the maximum extent practicable. If this changes, VHB will advise during Task 2, as the survey will confirm property boundaries vs. the proposed improvements.
- Alterations to the roadway layouts will not be developed. It is assumed that the extension of the grassed area at the Main Street and Center Street intersection will be done within the existing roadway layout and not require new property bounds for the Town Common.
- Article 97 permitting and coordination of any kind, coordination with the Massachusetts Historical Commission, or the National Register of Historic Places (NRHP).
- Subsurface Utility Engineering (SUE) level A and B will not be collected as part of this project.
- Design reviews will be conducted only by the Town and there will be no reviews or involvement by the Massachusetts Department of Transportation (MassDOT) or other state or federal agency.
- Electrical design for traffic control device connections.
- Testing for or disposal calculations for contaminated soils.
- Police protection services.

Should services be required in these areas, or areas not previously described, VHB will provide a proposal or Amendment, at the Town's written request, that contains the Scope of Services, Compensation, and Schedule to complete the unanticipated services.

Ref: 87437.24 January 15, 2025 Page 5



#### **COMPENSATION FOR VHB SERVICES**

1. VHB will perform the Scope of Services contained in this Agreement on a Lump Sum fee basis which includes expenses. The Limit for Labor and Expenses for this Scope of Services is \$ 151,400.00, allocated approximately as follows:

	Labor Fees
Task 1 – Survey and Base Plan Development	\$ 18,800.00
Task 2 – Montague Historical Commission Coordination	\$ 6,800.00
Task 3 – Final Design	\$ 74,400.00
Task 4 – Project Specifications	\$ 6,400.00
Task 5 – Bid Documents and Bid Tabs	\$ 10,400.00
Task 6 – Construction Phase Services (Part-Time)	\$ 33,600.00

Costs for expenditures made specifically for this project such as printing and copies, travel and mileage, and shipping/postage are included with the tasks above.

TOTAL CONTRACT VALUE:

\$ 151,400.00

- 2. The total Lump Sum Fee for services rendered in Tasks 1 thru 6 (as stated above) will be invoiced monthly as a percentage of completion.
- 3. VHB will not exceed the total estimated Lump Sum Fee or estimated direct costs as stated herein without the written approval of the Town.
- 4. The schedule is dependent upon when survey is completed (weather dependent), the project is advertised by the Town and then awarded, and on the contractor's schedule to build the project. VHB estimates 12 to 18 months.
- 5. The fees in this proposal may be subject to change if not accepted within 60 days from the date of issue.

•	ed by: James J Czach, PE ed By: MJC	Doc	ument Approval: Robert Penfield, PE				
	execute this Client Authorization for VHB to proceed with the above duntil it is signed and returned to VHB.	e scop	e of services at the stated estimated costs. No services will be				
×	Subject to attached terms & conditions		Subject to terms & conditions in our original agreement dated				
VANA	SSE HANGEN BRUSTLIN, INC. AUTHORIZATION	CLII	CLIENT AUTHORIZATION (Please sign original and return)				
Ву:		1	зу:				
Print:		Pri	nt:				
Title:		Tit	le:				
Date:		Da	te:				

Montague FY26 Capital Cycle Reque	ests As of January 27, 2025				1	1	l		
Working de 1120 capital eyele nedac	27, 2023	On	Amount	Quote	CIC Vote	Winter	Annual	Funding	Notes/Comments
Submitted by	Project Decription	Cap Plan	Requested	Received		STM	ATM	Source	,
	·								
								\$21,218.40 from	
		YES (from						unexpended past articles;	
		original						\$27,281.60 from CWF	
CWF	Admin building break room/meeting room rehab	project)	\$48,500	NO	5 Y	Х		Retained Earnings	
CWF	Purchase used mini-excavator	NO	\$60,000	YES				CWF Retained Earnings	
CWF	Portable emergency generator	YES	\$30,000	YES				CWF Retained Earnings	
CWF	Lake Pleasant station generator	YES	\$37,800	YES				CWF Retained Earnings	
CLUE	71.1	VEC	4404000	VEC				CIME Constant Charlette and an	
CWF	Thickened sludge pump replacement (x2)	YES	\$104,000	YES				CWF Capital Stabilization	
								Dobt solit hotuson Town	
DPW/Selectboard	Phase 2 - Sewer Collection System Rehabilitation	YES	\$3,000,000	YES				Debt - split between Town and CWF	
DPW/Selectboard	Replace 2003 International 7400 10 wheel dump	TES	\$3,000,000	153				una cvvr	
DPW	truck	YES	\$365,000	NO					
	Replace 2002 International 4900 dump truck	YES	\$305,000	NO					
	Replace 2001 Ford E450 camera van	YES	\$70,000	NO					
	Replace 2007 Ford F-150 pickup	YES	\$65,000	NO					
	Oakman St slope stabilization	NO	\$60,000	YES					
	Meadow Rd guardrail/culvert work	NO	\$200,000	NO				Possible DER Culvert Grant	
DPW	Equipment and major repairs (Discretionary)	YES	\$100,000	n/a				TOSSIBLE DEN CUIVER Grunt	Amount will be decreased based on fund balance as of 3/1/25
	Alley and non-Ch90 road paving	YES	\$30,000	n/a					Amount will be decreased based on raile balance as of 5/1/25
Library	Millers Falls Library storefront renovation	YES	\$39,000	YES					
Parks & Recreation	Unity Park playground improvements	YES	\$125,000	YES					
	FRTA bus stop improvements (Industrial Blvd/Millers		, ,,,,,,,						
Selectboard/Planning	Falls Rd)	NO	\$60,000	YES				Cannabis Impact Fees	
Selectboard/Planning	Montague Center Complete Streets Design	NO	\$91,200	YES				·	
Total			\$4,810,500						
Capital Projects in development (no	ot ready for FY26 ATM)		On CIP					<b>Current Funding Source Bala</b>	nces (11/13/2024)
Selectboard	Town Hall Annex buildout		YES					Town Capital Stab.	\$2,510,430
GMRSD	Sheffield Admin repointing/exterior work		YES					CWF Capital Stab.	\$269,469
	Sheffield Admin window replacements		YES					CWF Retained Earnings	\$337,395
	Sheffield Admin ADA restrooms		YES					Cannabis Impact Fees	\$234,301
	MSBA New Elem School Feasibility Study		YES						
CWF	Secondary and primary clarifiers upgrade		YES					Key Dates for Capital Plannin	
	Off-road sewer lines relining		YES						Vote STM articles
	Swamp Road bridge rehab match		YES						Finalize Draft CIC report to STM, Vote ATM articles
DPW	Avenue A traffic signal replacements (2)		YES						Winter Special Town Meeting
EV26 Grant funded southel australia		grant value	On CIP			-		, ,	CIC meets with FinComm to review capital article slate CIC meets with Selectboard to review capital article slate
FY26 Grant funded capital projects Congressional Earmark	Avenue A streetscape improvements	\$960,000				1			CIC meets with Selectboard to review capital article state CIC capital article report to FinComm / Selectboard
	Phase 1 - sewer collection system rehab	\$500,000							Annual Town Meeting
	Strathmore Demo Design	\$132,700						3/1/2023	Annual Town Flooring
	Strathmore Mill demolition	\$9,920,000							
	Downtown parking lots (3rd and 4th St)	\$125,953							
DEP GAP II	CWF fine bubble aerators/diffusers	\$150,000							
	Screw Pump Replacement	\$860,000							
State Earmark	COA infrastructure improvements	\$50,000							
	Montague Center traffic safety improvements	\$499,682							
		\$13,198,335							
	<u> </u>	Y13,170,333	1		1	1		1	I .

Dear Town Meeting Members,

As Chairman of the Capital Improvements Committee (CIC) for the Town of Montague, I am pleased to address you as we consider the capital improvement articles for approval. Over the past decade, and particularly during my tenure as Chairman for the last four years, I have witnessed a significant and positive shift toward proactive measures and interdepartmental cooperation. These efforts have allowed the town to address numerous pressing capital projects while saving Montague taxpayers and ratepayers hundreds of thousands of dollars.

Two departments, in particular, stand out for their resourcefulness and dedication: the Montague Department of Public Works (DPW) and the Montague Clean Water Facility (CWF). Their staff have undertaken complex projects in-house, resulting in substantial cost savings and stabilized ratepayer costs. I want to commend Superintendent Sam Urkiel (and previously Tom Bergeron) of the DPW, as well as Chelsey Little of the CWF, for their exceptional leadership and contributions.

Highlighted projects managed by the CWF include:

- **Industrial Blvd Pump Station Rehab**: Funded by a \$169,000 RST Development Grant, saving over \$330,000 by avoiding external contractor costs.
- Main Generator and Transfer Switch Replacement: Supported by \$310,544 from the Enterprise Fund and \$100,000 from the Commonwealth of Massachusetts, with site work by CWF staff saving approximately \$75,000.
- **G St and J St Pump Station Generator Replacements**: Funded by \$95,000 from the Enterprise Fund, with staff efforts saving \$10,000-\$20,000.
- **Septage Receiving Station Upgrades**: Funded by \$264,000 from ARPA, with in-house work saving \$50,000.
- **HVAC Stabilization Repairs**: Managed by the CWF mechanic, manufacturing parts in-house for a cost avoidance of approximately \$50,000.

The DPW has similarly excelled, completing:

- The **24-inch asbestos concrete culvert on S Ferry Rd was replaced** with a precast box culvert, meeting stream crossing standards and ensuring aquatic passage.
- Pavement overlays are being installed on multiple roads, including E Mineral Rd, W Mineral Rd, School St, Lyman St, Grand Ave, and N Park St.
- Sidewalk replacement on Masonic Ave (in progress).

These achievements exemplify the value of the leadership provided by these two departments. Additionally, I would like to acknowledge the department heads and staff who collaborate across departments to minimize costs and the tremendous efforts of Walter Ramsey, Maureen Pollock, Chris Nolan-Zeller, and others in securing tens of millions of dollars in grants to support our town.

The town's department leaders continuously support these initiatives, which reflect a shared commitment to Montague's progress and fiscal responsibility.

Sincerely,

Gregory Garrison Chairman, Capital Improvements Committee