



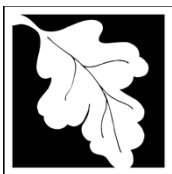
Conservation Commission AGENDA

Thursday, February 13, 2025 - 6:00 PM

Regular Meeting
Agawam Senior Center
954 Main Street
Agawam, MA 01001

A. Conservation Commission

- 1) REQUEST FOR DETERMINATION CONT-409,411,421, 427 Southwick Street-Cascio & Metz
- 2) PUBLIC HEARING CONT.-NOTICE OF INTENT-1014 North St Ext-VIP Homes & Assocaites, LLC
- 3) PUBLIC HEARING CONT.-NOTICE OF INTENT-Westfield River Interceptor Sewer Relocation Project-Agawam DPW
- 4) Write Order of Conditions-180 South West Street-Western Massachusetts Electric Company dba Eversource Energy
- 5) ENFORCEMENT ORDER UPDATES
- 6) Approval of Minutes-January 23, 2025
- 7) Coorespondence and Complaints



Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

WPA Form 1- Request for Determination of Applicability

Agawam

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Municipality

A. General Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Anne Casico & Jennifer Metz

First Name

Last Name

421 & 427 Southwick Street

Address

Feeding Hills

MA

01030

City/Town

State

Zip Code

Phone Number

Email Address

2. Property Owner (if different from Applicant):

Same as applicant

First Name

Last Name

Address

City/Town

State

Zip Code

Phone Number

Email Address (if known)

3. Representative (if any)

Robert

Levesque

First Name

Last Name

R Levesque Associates, Inc.

Company Name

40 School Street

Address

Westfield

MA

01085

City/Town

State

Zip Code

(413) 568-0985

robl@rlaland.com

Phone Number

Email Address (if known)

B. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

409, 411, 421 & 427 Southwick Street

Agawam

Street Address

City/Town

42.06549

-72.69799

Latitude (Decimal Degrees Format with 5 digits after decimal
e.g. XX.XXXXX)

Longitude (Decimal Degrees Format with 5 digits after
decimal e.g. -XX.XXXXX)

B9-2

3, 4, 5, & 7

Assessors' Map Number

Assessors' Lot/Parcel Number

b. Area Description (use additional paper, if necessary):

Please see the attached narrative

c. Plan and/or Map Reference(s): (use additional paper if necessary)

Conservation Filing Plan

12-9-2024

Title

Date

Title

Date

[How to find Latitude and Longitude](#)

[and how to convert to decimal degrees](#)



Massachusetts Department of Environmental Protection

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Municipality

B. Project Description (cont.)

2. a. Activity/Work Description (use additional paper and/or provide plan(s) of Activity, if necessary):

The applicant is requesting the determination of delineated wetland resource areas as shown on the accompanying site plan.

- b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

-
3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

- b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)
-



Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

WPA Form 1- Request for Determination of Applicability Agawam
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 Municipality

C. Determinations

1. I request the Agawam make the following determination(s). Check any that apply:
Conservation Commission

☒ a. whether the **area** depicted on plan(s) and/or map(s) referenced above is an area subject to jurisdiction of the Wetlands Protection Act.

☒ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced above are accurately delineated.

c. whether the **Activities** depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.

☒ d. whether the area and/or Activities depicted on plan(s) referenced above is subject to the jurisdiction of any **municipal wetlands' ordinance or bylaw** of:

Town of Agawam

Name of Municipality

☐ e. whether the following **scope of alternatives** is adequate for Activities in the Riverfront Area as depicted on referenced plan(s).

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

[Signature]
Signature of Applicant

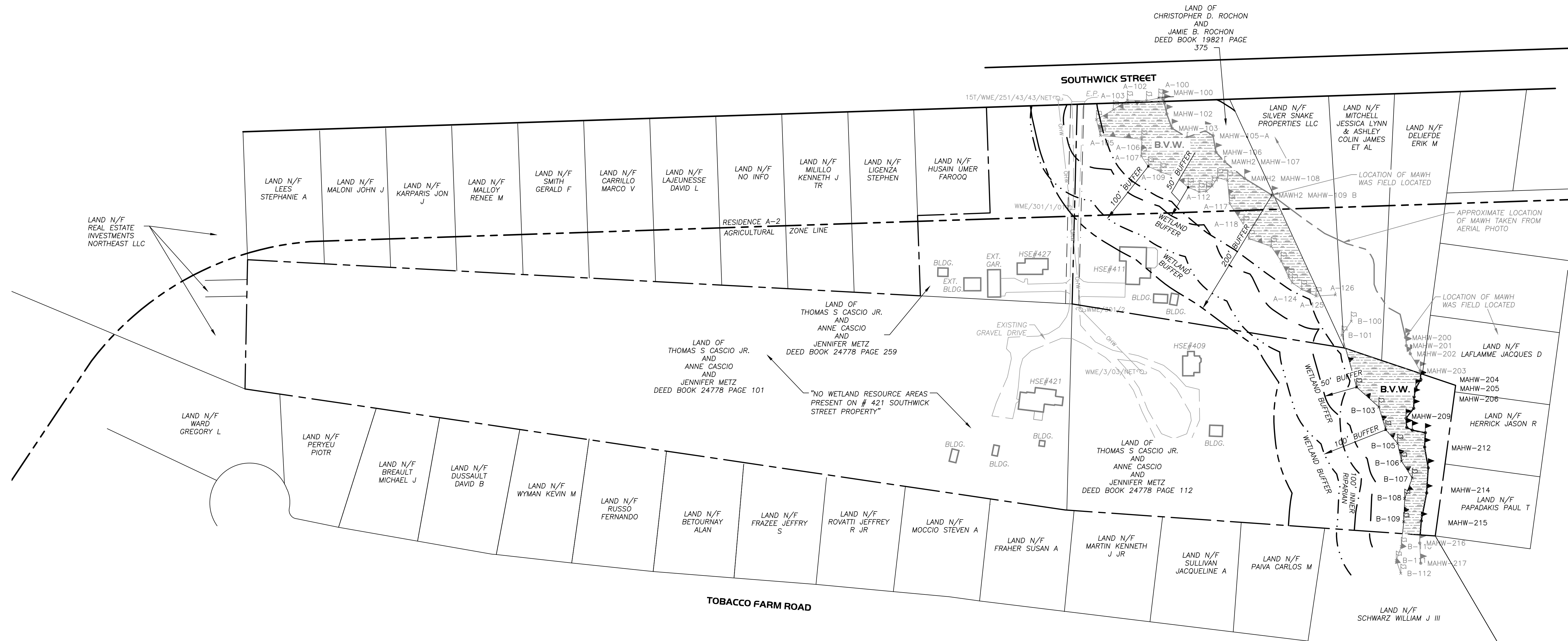
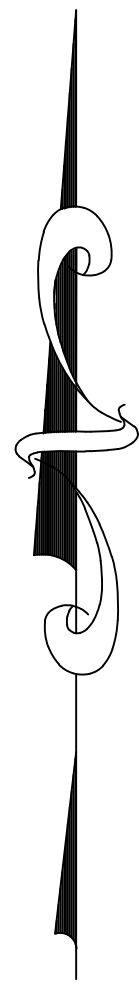
9-23-24
Date

[Signature]
Signature of Representative (if any)

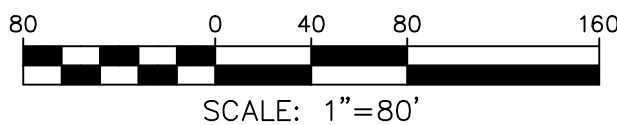
9/26/24
Date

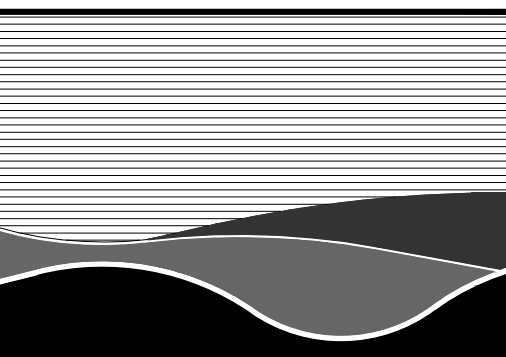
NOTES

1. THE RECORD OWNER OF THE SUBJECT PARCELS IS THOMAS CASCIO JR. ET.AL. SEE HAMPDEN COUNTY REGISTRY OF DEEDS BOOK 24778 PAGE 101, 112 AND 259.
2. THE PROPERTY LINES SHOWN HEREON ARE BASED UPON TOWN AGAWAM GIS AND ARE APPROXIMATE PROPERTY LINES
3. THIS PLAN HAS BEEN PREPARED FOR CONSERVATION PURPOSES AND SHALL NOT BE USED FOR THE CONVEYANCE OF LAND OR FOR ANY OTHER USE
4. THE SUBJECT PROPERTIES SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PROPERTIES. THE LOCATION AND EXTENT OF ANY SUCH RIGHTS AND EASEMENTS IS NOT THE SUBJECT OF THIS PLAN.
5. WETLANDS AND M.A.H.W. BOUNDARIES DELINEATED BY R. LEVESQUE ASSOCIATES INC IN SEPTEMBER 2024. OFFSITE WETLANDS ARE NOT THE SUBJECT OF THIS FILING AND HAVE BEEN SHOWN TO DEPICT THE LIMITS OF BUFFER ZONE.
6. ADJACENT PROPERTY LINES SHOWN HEREON ARE REFERENCED FROM THE TOWN OF AGAWAM GIS MAPPING.
7. SUBJECT PARCEL IS ZONED AS SHOWN.
8. THE SUBJECT PARCEL IS NOT LOCATED WITHIN A SPECIAL FLOOD ZONE AREA ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 58013C0379E - EFFECTIVE DATE: 7-16-2013.
9. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP) JURISDICTION.



S:\Projects\2024\240919 - Moore - Southwick St., Agawam\05 Civil\3D\240919 - RDA 80 Scale.dwg





RLA
R LEVESQUE ASSOCIATES INC
Landscape Architects
Civil Engineers - Land Surveyors
Environmental Consultants
ph: 413.568.0985 fax: 413.568.0986
40 School Street
Westfield, MA 01085
rlaland.com

CONSERVATION FILING PLAN

**409, 411, 421, and 427 Southwick Street
Agawam MA.**



12/9/24

PREPARED FOR:

Anne Cascio & Jennifer Metz
421 & 427 Southwick Street
Feeding Hills, MA.

ISSUANCE DATE: December 5, 2024	
REVISIONS:	DATE:
ENTIRE PARCELS SHOWN	12/9/24
DRAFTED BY: t.o.	
UNAUTHORIZED ALTERATION OF THIS DOCUMENT IS A VIOLATION OF MASSACHUSETTS STATE LAW	
SCALE: As Noted	
RLA PROJ. NUMBER: 240919	
DRAWING#	REV.
W-1	A

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 411 Southwick St City/County: Agawam Sampling Date: 11-26-2024
 Applicant/Owner: Scott Moore State: MA Sampling Point: T1-UP
 Investigator(s): Ryan Nelson, Soil Scientist Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): Concave
 Slope (%): 5% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Merrimac fine sandy loam or Saco variant silt loam NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No X (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Hydric Soil Present? Yes _____ No <u>X</u>	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes _____ No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) <u>Currently in drought status declared 10/1/2024 by Mass EEA</u> <u>Transect location within maintained lawn</u>	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☐ Saturation (A3)	☐ Marl Deposits (B15)	☐ Moss Trim Lines (B16)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Dry-Season Water Table (C2)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Crayfish Burrows (C8)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ Shallow Aquitard (D3)
☐ Sparsely Vegetated Concave Surface (B8)		☐ Microtopographic Relief (D4)
		☐ FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes _____ No <u>X</u>	Depth (inches): _____	Wetland Hydrology Present? Yes _____ No _____
Water Table Present? Yes _____ No <u>X</u>	Depth (inches): _____	
Saturation Present? Yes _____ No <u>X</u>	Depth (inches): _____	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION – Use scientific names of plants.

Sampling Point: TI-UP

Tree Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Red Maple (Acer rubrum)</u>	<u>5</u>	<u>N</u>	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. <u>Apple (unknown)</u>	<u>5</u>	<u>N</u>	<u>?</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
<u>10</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>30'</u>)				
1. <u>N/A</u>	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10'</u>)				
1. <u>grass (Lolium Perenne)</u>	<u>60</u>	<u>Y</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0 ¹ ☐ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ☐ Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>white clover (Trifolium repens)</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	
3. <u>Broadleaf plantain (Plantago major)</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>10'</u>)				
1. <u>N/A</u>	_____	_____	_____	Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Hydrophytic Vegetation Present? Yes _____ No <u>X</u>				
Remarks: (Include photo numbers here or on a separate sheet.) <u>Maintained lawn with limited woody vegetation</u>				

Sampling Point: T1-up

Sampling Point:

T1-Up

A
B_w

[illegible]¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.²Location: PL=Pore Lining, M=Matrix.

Indicators for Problematic Hydric Soils³:

- | | | |
|---|--|--|
| ☐ Histosol (A1) | ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| ☐ Histic Epipedon (A2) | ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) | ☐ Coast Prairie Redox (A16) (LRR K, L, R) |
| ☐ Black Histic (A3) | ☐ Loamy Mucky Mineral (F1) (LRR K, L) | ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Gleyed Matrix (F2) | ☐ Dark Surface (S7) (LRR K, L) |
| ☐ Stratified Layers (A5) | ☐ Depleted Matrix (F3) | ☐ Polyvalue Below Surface (S8) (LRR K, L) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Redox Dark Surface (F6) | ☐ Thin Dark Surface (S9) (LRR K, L) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Dark Surface (F7) | ☐ Iron-Manganese Masses (F12) (LRR K, L, R) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) | ☐ Piedmont Floodplain Soils (F19) (MLRA 149B) |
| ☐ Sandy Gleyed Matrix (S4) | | ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| ☐ Sandy Redox (S5) | | ☐ Red Parent Material (TF2) |
| ☐ Stripped Matrix (S6) | | ☐ Very Shallow Dark Surface (TF12) |
| ☐ Dark Surface (S7) (LRR R, MLRA 149B) | | ☐ Other (Explain in Remarks) |

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Hydric Soil Present? Yes _____ No X

Type: _____

Depth (inches): _____

Remarks:

moist after recent rainfall on 11-26-24

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: 411 Southwick St City/County: Agawam Sampling Date: 11-26-24
 Applicant/Owner: Scott Moore State: MA Sampling Point: T1-WET
 Investigator(s): Ryan Nelson, Soil Scientist Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 2-3% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Merrimac fine Sandy loam NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No X (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Hydric Soil Present? Yes <u>X</u> No _____	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes <u>X</u> No _____	

Remarks: (Explain alternative procedures here or in a separate report.)

Drought Status as of 10/1/2024
Area cleared of woody vegetation, formerly lawn w/ only herbaceous plants

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
<u>X</u> Surface Water (A1)	_____ Water-Stained Leaves (B9)	_____ Surface Soil Cracks (B6)
<u>X</u> High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Drainage Patterns (B10)
<u>X</u> Saturation (A3)	_____ Marl Deposits (B15)	_____ Moss Trim Lines (B16)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Dry-Season Water Table (C2)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Crayfish Burrows (C8)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	_____ Stunted or Stressed Plants (D1)
_____ Iron Deposits (B5)	_____ Thin Muck Surface (C7)	_____ Geomorphic Position (D2)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Other (Explain in Remarks)	_____ Shallow Aquitard (D3)
_____ Sparsely Vegetated Concave Surface (B8)		_____ Microtopographic Relief (D4)
		_____ FAC-Neutral Test (D5)

Field Observations:		Wetland Hydrology Present? Yes <u>X</u> No _____
Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u><1"</u>		
Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>N/A</u>		
Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>Surface</u> (includes capillary fringe)		

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Recent rain, unable to decipher between groundwater versus weeping

VEGETATION – Use scientific names of plants.

Sampling Point: T1-WET

Tree Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Catalpa (Catalpa speciosa)</u>	<u>3</u>	<u>N</u>	<u>FACU</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
		<u>3</u>	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>NIA</u>	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
		_____	= Total Cover	

Herb Stratum (Plot size: <u>10'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Calico Aster (Symphyotrichum lateriflorum)</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	
2. <u>Tall Fescue (Festuca arundinacea)</u>	<u>35</u>	<u>Y</u>	<u>FACU</u>	
3. <u>Mugwort (Artemisia vulgaris)</u>	<u>10</u>	<u>N</u>	<u>UPL</u>	
4. <u>Reed Canary grass (Phalaris arundinacea)</u>	<u>3</u>	<u>N</u>	<u>FACW</u>	
5. <u>Deertongue grass (Dichanthelium clandestinum)</u>	<u>3</u>	<u>N</u>	<u>FACW</u>	
6. <u>Smooth blue Aster (Symphyotrichum laeve)</u>	<u>3</u>	<u>N</u>	<u>FACU</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
		<u>70</u>	= Total Cover	

Woody Vine Stratum (Plot size: <u>10'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>NIA</u>	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
		<u>0</u>	= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

No woody vegetation
Wet meadow by roadside

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

____ Rapid Test for Hydrophytic Vegetation

____ Dominance Test is >50%

____ Prevalence Index is ≤3.0¹

____ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No X

NOTES

1. THE RECORD OWNER OF THE SUBJECT PARCELS IS THOMAS CASCO JR. ET AL. - SEE HAMPSHIRE COUNTY REGISTRY OF DEEDS BOOK 24778 PAGE 101, 112 AND 259.
2. THE PROPERTY LINES SHOWN HEREON ARE BASED UPON TOWN AGAMAM GIS AND ARE APPROXIMATE PROPERTY LINES.
3. THIS PLAN HAS BEEN PREPARED FOR CONSERVATION PURPOSES AND SHALL NOT BE USED FOR THE CONVEYANCE OF LAND OR FOR ANY OTHER USE.
4. THE SUBJECT PROPERTIES SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PROPERTIES. THE LOCATION AND EXTENT OF ANY SUCH RIGHTS AND EASEMENTS IS NOT THE SUBJECT OF THIS PLAN.
5. WETLANDS AND M.A.H.W. BOUNDARIES DELINEATED BY R. LEVESQUE ASSOCIATES INC. IN SEPTEMBER 2024. OFFSITE WETLANDS ARE NOT THE SUBJECT OF THIS FILING AND HAVE BEEN SHOWN TO DEPICT THE LIMITS OF BUFFER ZONE.
6. ADJACENT PROPERTY LINES SHOWN HEREON ARE REFERENCED FROM THE TOWN OF AGAMAM GIS MAPPING.
7. SUBJECT PARCEL IS ZONED AS SHOWN.
8. THE SUBJECT PARCEL IS NOT LOCATED WITHIN A SPECIAL FLOOD ZONE AREA ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 58013C03786 - EFFECTIVE DATE: 7-16-2013.
9. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP) JURISDICTION.



RLA
R LEVESQUE ASSOCIATES
 Landscape Architects
 Civil Engineers - Land Surveys
 Environmental Consultants
 ph: 413.568.0985 fax: 413.568.0986
 40 School Street
 Westfield, MA 01085
 rland.com

CONSERVATION FILING PLAN
 409, 411, 421, and 427 Southwick Street
 Agawam MA.

PREPARED FOR:
 Anne Casco & Jennifer Metz
 471 & 427 Southwick Street
 Westfield, MA.

ISSUANCE DATE: October 10, 2024

REVISIONS	DATE

DRAFTED BY: ls

UNAUTHORIZED ALTERATION OF THIS DOCUMENT IS A VIOLATION OF MASSACHUSETTS STATE LAW.

SCALE: As Shown

RLA PROJ. NUMBER: 240919

DRAWN/REV	REV
W-1	-

January 29, 2025

Mr. Henry Kozloski, Chair
Town of Agawam Conservation Commission
750 Cooper Street
Agawam, MA 01001

Re: Notice of Intent – Single Family Home
1014 North Street Extension
Feeding Hills, Massachusetts 01030
(Map D13, Block 2, Parcel 10)
DEP File # 087-0684
Third Party Review-Supplemental Review 2

Dear Mr. Kozloski and Commissioners:

Per your request, Stockman Associates LLC performed a peer review of the revised Notice of Intent site plan submitted for 1014 North Street Extension in Feeding Hills, MA (Map D13, Block 2, Parcel 10). Due to the continuances and additional site visits requested by the applicant's representative, the remaining peer review budget only allowed for a brief, partial review of the revised site plan. A site inspection to field verify the revisions has not been made.

Materials Reviewed

- Revised January 8, 2025 site plan entitled "*Conservation Filing Plan 1014 North Street Extension Parcel ID# D13 2 10 Feeding Hills, MA*" prepared by R Levesque Associates Inc.

Site Visit

A site inspection to field verify the revisions has not been made.

Review Findings

- 1) Stockman Associates does not concur with the delineation of the BVW boundaries depicted on the revised January 8, 2025 site plan entitled "*Conservation Filing Plan 1014 North Street Extension Parcel ID# D13 2 10 Feeding Hills, MA*" prepared by R Levesque Associates Inc.
 - a. The revised plan does not depict the location of data plots established by Michael Mock Environmental Consultant. Previously submitted data forms were reviewed in the field in October of 2023. As documented in the December 4, 2023 peer review letter, dominant wetland plant communities, wetland hydrology, and hydric soils were observed in areas identified as upland by Mr. Mocko. These areas underwent another field review with Mr. Mock in June 2024; however, the identified wetlands are not illustrated on the updated site plans.
 - b. The revised plan does not appear to fully depict the BVW previously identified beyond the boundary demarcated by flag W101B and W107. A BVW replication

area is proposed proximal to the area in question. The BVW boundary within the property should be fully delineated.

- 2) Stockman Associates does not concur with the depicted classification of historical impacts as “*non-jurisdictional drainage channels*”. As previously presented, entire sections and/or portions of these features contain hydric soils, wetland hydrology, sparsely vegetated groundcover or dominant wetland vegetation.

Excerpted from the April 20, 2023 peer review letter-

- f. A historically excavated channel extends from the depicted wetland proximal to flags W7-W8 northwesterly to the depicted wetland proximal to flag W13. Hydric soil and inundation were observed within the channel. The excavated channel appears to meet the criteria for a disturbed BVW under 310 CMR 10.55(2)(c)3.
- g. Additional shallow channels were observed within the forested landscape where construction of the house is proposed. As indicated in the NOI narrative, these channels appear to be associated with historic attempts to drain the area. Areas within and proximal to the shallow channels contained wetland indicator plant species and should be revisited.

Excerpted from the December 4, 2023 peer review letter-

- e. The historically excavated channel extending from the depicted wetland proximal to flags W7-W8 northwesterly to the depicted wetland proximal to flag W13 has not been delineated in the field. Hydric soil and inundation were observed within the channel. The excavated channel appears to meet the criteria for a disturbed BVW under 310 CMR 10.55(2)(c)3. The mapped soil series is the Ridgebury fine sandy loam, which is listed as a hydric soil. An examination of historic aerial images indicates a network of distinct linear features displaying wetland signatures in 1980, after the enactment of the Massachusetts Wetlands Protect Act (1972).



- f. Additional shallow channels were observed within the forested landscape where construction of the house is proposed. As indicated in the NOI narrative, these

channels appear to be associated with historic attempts to drain the area. Areas within and proximal to the shallow channels contained wetland indicator plant species and should be revisited.

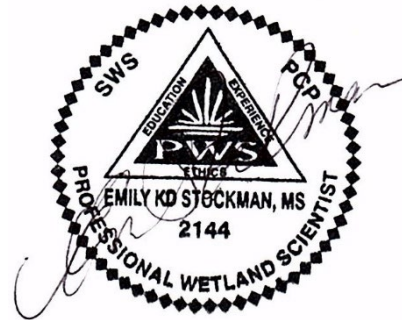
- 3) As detailed in previous peer review letters, additional areas of BVW are located within the property. These areas are not depicted on the revised site plan. The proposed construction impacts additional BVW and the performance standards under 310 CMR 10.55(4) have not been met.

I trust that the above comments will assist the Commission in their review of the previously referenced NOI submittal. Please do not hesitate to contact me with any questions.

Sincerely,



Emily Stockman, M.S., P.W.S.
Senior Scientist/Principal
Stockman Associates LLC

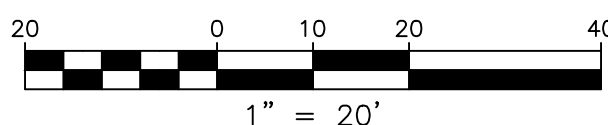


1. THE RECORD OWNER OF THE SUBJECT PARCEL IS VIP HOMES & ASSOCIATES, LLC. SEE HAMPSHIRE COUNTY PROPERTY DEEDS BOOK 16005 PAGE 452 & BOOK 20074 PAGE 89.
2. THE PROPERTY LINES SHOWN ARE BASED ON THE ABOVE DEED REFERENCES AND ARE APPROXIMATE.
3. PROPERTY IS SUBJECT TO DEED RESTRICTIONS IN DEED BOOK 20074 PAGE 89 WHICH STATE:
 - 3.1. "ANY ACCESS TO THE PROPOSED HOME BY V.I.P. HOMES & ASSOCIATES, LLC OR ANY ENTITY FOR A DRIVEWAY WILL NOT BE ON ANY PART OF ALEXANDER AVENUE, FEEDING HILLS, MASSACHUSETTS 01030."
 - 3.2. "THERE WILL BE NO CONSTRUCTION OF ANY KIND ON ANY PART OF ALEXANDER AVENUE, FEEDING HILLS, MASSACHUSETTS 01030."
 - 3.3. "ANY CONSTRUCTION OF A HOME BY V.I.P. HOMES & ASSOCIATES, LLC, OR ANY ENTITY WILL BE AT LEAST 25 WEST OF THE WESTERN BOUNDARY OF ALEXANDER AVENUE, FEEDING HILLS, MASSACHUSETTS 01030."
4. THE EXISTING BUILDING(S) SHOWN HEREON ARE BASED ON AN APPROXIMATE MEASUREMENT OF THE OUTSIDE PERIMETER OF THE EXISTING STRUCTURES. THE ACTUAL LOCATION OF THE EXISTING BUILDING WORK AND CORNER POINTS SHOULD BE VERIFIED IN THE FIELD PRIOR TO ANY CONSTRUCTION WORK THAT WOULD ABUT OR TAKE PLACE ADJACENT TO THE EXISTING BUILDING(S). IF THE PLAN HEREON IS USED FOR CONSTRUCTION LAYOUT PURPOSES, THE PARTIES CONDUCTING LAYOUT SHALL CONTACT R. LEVESQUE ASSOCIATES INC. PRIOR TO SAID LAYOUT TO DETERMINE PROPER CONTROL. PLEASE NOTE WHILE THE BUILDING(S) ARE SHOWN TO BE SQUARE, IT SHOULD NOT BE ASSUMED THAT THE WALLS ARE SQUARE OR PLUMB. R. LEVESQUE ASSOCIATES TAKES NO RESPONSIBILITY FOR THIRD PARTY LAYOUT OF THE PLAN SHOWN HEREON.
5. THIS PLAN HAS BEEN PREPARED FOR CONSERVATION PERMITTING PURPOSES AND SHALL NOT BE USED FOR THE CONVEYANCE OF LAND OR FOR ANY OTHER USE.
6. SUBJECT PARCEL CONTAINS APPROXIMATELY 2.25 ACRES.
7. THE SUBJECT PROPERTIES SHOWN HEREON MAY BE SUBJECT TO RIGHTS AND EASEMENTS AS CONTAINED IN THE VARIOUS DEEDS OF RECORD DESCRIBING SAID PROPERTIES. THE LOCATION AND EXTENT OF ANY SUCH RIGHTS AND EASEMENTS IS NOT THE SUBJECT OF THIS PLAN.
8. WETLAND RESOURCE AREAS WERE DELINEATED BY MIKE MOCKO ENVIRONMENTAL. R LEVESQUE ASSOCIATES MAKES NO ASSERTION AS TO ACCURACY OF WETLAND DELINEATION.
9. THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON NOAA LIDAR DATA.
10. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, AND AVAILABLE RECORD DATA. R LEVESQUE ASSOCIATES, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. R LEVESQUE ASSOCIATES, INC. FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HERE ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION. NOT ALL UTILITIES HAVE BEEN SHOWN.
11. ADJACENT PROPERTY LINES AND BUTTERS SHOWN HEREON ARE REFERENCED FROM AGAWAM GIS AND ARE APPROXIMATE.
12. SUBJECT PARCEL IS SPLIT ZONED RESIDENCE A2 AND AGRICULTURAL ACCORDING TO THE AGAWAM ZONING MAP.
13. THE SUBJECT PARCEL IS NOT LOCATED WITHIN A SPECIAL FLOOD ZONE AREA ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 25013C00383E -- EFFECTIVE DATE: 7-16-2013.
14. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM (NHESP) JURISDICTION.

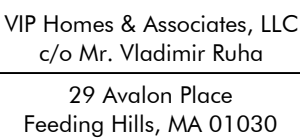
TYPE (MINIMUM)	REQUIRED	PROPOSED
AREA	20,000 FT ²	2.25± ACRES
FRONTAGE	120 FT	177± FT
FRONT YARD	35 FT	180+ FT
SIDE YARD	15 FT	41.4± FT
REAR YARD	20 FT	150+ FT
HEIGHT (MAX)	35 FT	35 FT
BUILDING COVERAGE (MAX)	NONE	1.8%

TYPE (MINIMUM)	REQUIRED	PROPOSED
AREA	15,000 FT ²	2.25 ACRES
FRONTAGE	110 FT	177± FT
FRONT YARD	30 FT	180+ FT
SIDE YARD	15 FT	41.4± FT
REAR YARD	20 FT	150+ FT
HEIGHT (MAX)	35 FT	35 FT
BUILDING COVERAGE (MAX)	40%	1.8%

KEY	SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/SPACING
FP		10	FRAXINUS PENNSYLVANICA	GREEN ASH	5-6' HEIGHT
AR		10	ACER RUBRUM	RED MAPLE	5-6' HEIGHT
VC		12	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	2-3' HEIGHT
LB		5	LINDERA BENZOIN	SPICEBUSH	2-3' HEIGHT
IV		5	ILEX VERTICILLATA	WINTERBERRY	2-3' HEIGHT
-			NEW ENGLAND WETLAND PLANTS "WET-MIX"		
					RATE PER SUPPLIER REC.



PERMITTING



ISSUANCE DATE: January 8, 2025

REVISIONS:	DATE:
------------	-------

DRAFTED BY: J.L. & R.N

UNAUTHORIZED ALTERATION OF
THIS DOCUMENT IS A VIOLATION
OF MASSACHUSETTS STATE LAW

SCALE: As Noted

RLA PROJ. NUMBER: 240713

DRAWING#	REV.
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W-1

WETLAND REPLICATION NOTES:
SCHEDULE:

1. WETLAND REPLICATION WORK SHALL TAKE PLACE DURING THE GROWING SEASON. WETLAND REPLICATION WORK SHALL BE DONE CONCURRENT WITH SITE WORK.
2. THE AGAWAM CONSERVATION COMMISSION (ACC) SHALL BE CONTACTED 48 HOURS IN ADVANCE OF THE START OF WORK AND A PRECONSTRUCTION SITE MEETING SHALL BE HELD WITH THE ACC, THE REGISTERED LANDSCAPE ARCHITECT (RLA) OR WETLAND SCIENTIST, AND THE APPLICANT.
3. THE RLA/WETLAND SCIENTIST, OR HIS REPRESENTATIVE, SHALL BE ON SITE AT THE START OF WORK AND CHECK ON THE PROGRESS OF THE PROJECT REGULARLY DURING WORK IN WETLANDS AND AT OTHER CRITICAL POINTS DURING CONSTRUCTION. AT A MINIMUM, THE RLA/WETLAND SCIENTIST SHALL BE PRESENT: AT THE START OF WORK; TO VERIFY SUBGRADES; AT THE BEGINNING OF PLANTING; AND TO VERIFY THAT WORK IS COMPLETE.
4. AN INSPECTION REPORT SHALL BE SUBMITTED TO THE WCC BY THE RLA DURING THE WETLAND CONSTRUCTION PERIOD.

CONSTRUCTION SEQUENCE:

1. THE RLA/WETLAND SCIENTIST SHALL STAKE OUT THE LIMITS OF THE WETLAND REPLICATION AREA BEFORE CONSTRUCTION COMMENCES AND MARK GRADE STAKES FOR CUT TO PROPER DEPTH BELOW PROPOSED FINISH GRADE FOR REPLICATION AREA.
2. INSTALL EROSION CONTROL AND SILTATION BARRIERS AT LOCATIONS SHOWN ON PLAN, PRIOR TO CONSTRUCTION. NO EQUIPMENT TRAFFIC OR OTHER ALTERATION IS PERMITTED BEYOND SEDIMENT BARRIERS OR IN WETLAND AREAS, EXCEPT FOR GRADING AS SHOWN ON THE PLAN. BARRIERS WITHIN THE WETLAND SHALL BE INSTALLED SO AS TO MINIMIZE DISTURBANCE OF THE WETLAND. SILT FENCING SHALL BE TRENCHED IN BY HAND IN WETLAND AREAS. STRAW BALES MAY BE SET DIRECTLY ON THE WETLAND SURFACE WITHOUT TRENCHING, BUT MUST BE WELL STAKED, TIGHTLY BUTTED, AND JOINTS CHINKED WITH LOOSE HAY.
3. CLEAR AND GRUB THE REPLICATION AREA AND REMOVE TOPSOIL FOR STOCKPILING ON ADJACENT LAND AS PER THESE PLANS. EXCAVATE SUBSOIL TO THE DEPTH BELOW THE FINAL GRADE SHOWN ON PLANS TO ALLOW FOR INLAY OF ORGANIC SOIL. DO NOT STOCKPILE TOPSOIL, SUBSOIL, STUMPS OR DEBRIS WITHIN RESOURCE AREAS.
4. EXCAVATION WORK SHALL BE DONE FROM OUTSIDE THE EXISTING WETLAND AND SHALL PROGRESS FROM THE WETLAND EDGE INTO THE UPLAND.
5. THE GROUNDWATER ELEVATION SHALL BE VERIFIED IN THE WETLAND REPLICATION AREA BY THE RLA ONCE THE REPLICATION AREA HAS BEEN EXCAVATED TO SUB-GRADE. IF SEASONAL HIGH GROUNDWATER IS NOT PRESENT AT OR WITHIN SUFFICIENT DEPTH TO SUPPORT WETLAND VEGETATION, MODIFICATIONS TO THE PROPOSED REPLICATION AREA TOPOGRAPHY SHALL BE MADE IN THE FIELD UNDER THE SUPERVISION OF THE RLA/WETLAND SCIENTIST.
6. REPLACE 12 INCHES OF ORGANIC SOIL INLAY TO THE REPLICATION AREA TO ACHIEVE FINAL GRADE. ORGANIC SOIL SHALL BE AN ORGANIC FINE SANDY LOAM APPROVED BY THE RLA/WETLAND SCIENTIST. IT IS ANTICIPATED THAT THE TOPSOIL EXCAVATED FROM THE REPLICATION SITE WILL BE AMENDED FOR THE WETLAND SOIL INLAY.

7. AVOID COMPACTION OF SUBSOILS AND PLACED WETLAND SOILS. EQUIPMENT TRAFFIC IN THE REPLICATION AREA IS TO BE MINIMIZED BY USING TRACK INSTEAD OF WHEEL MACHINES. THERE SHALL BE NO TRAFFIC ON WETLAND SOILS ALREADY PLACED.
8. WETLAND PLANT MIX, AS SPECIFIED ON THE PLANS, SHALL BE OBTAINED FROM A NURSERY IN THE NEW ENGLAND STATES. SEE NOTICE OF INTENT FILING FOR PLANTING REPLICATION AREA PLANTING SCHEDULE.
9. ALL EXPOSED SOIL WITHIN THE RESOURCE AREA(S) SHALL BE SEEDED WITH A WETLAND MIXTURE (SEE SPECIFICATION) AND MULCHED WITH WET MEADOW HAY, SALT HAY OR STRAW TO PREVENT EROSION UNTIL VEGETATION IS ESTABLISHED AND A CERTIFICATE OF COMPLIANCE IS RECEIVED FROM THE LOCAL CONSERVATION COMMISSION.
10. FINAL WETLAND REPLICATION AREA ELEVATIONS SHALL BE CERTIFIED BY THE RLA/WETLAND SCIENTIST.
11. IMPACT TO ADJACENT WETLAND AREAS SHALL BE AT A MINIMUM. STORAGE OF ANY CONSTRUCTION MATERIALS OR MACHINERY IN ADJACENT WETLAND AREAS IS PROHIBITED. USE OF HEAVY MACHINERY IN ADJACENT WETLAND AREAS IS PERMITTED FOR CONSTRUCTION OF THE REPLICATION AREA ONLY WITHIN THE LIMITS OF THE EROSION CONTROL BARRIERS. ANY ADJACENT WETLAND DISTURBED DURING CONSTRUCTION WILL BE REESTABLISHED TO ITS PRE-CONSTRUCTION CONDITION AT THE CONTRACTOR'S EXPENSE.

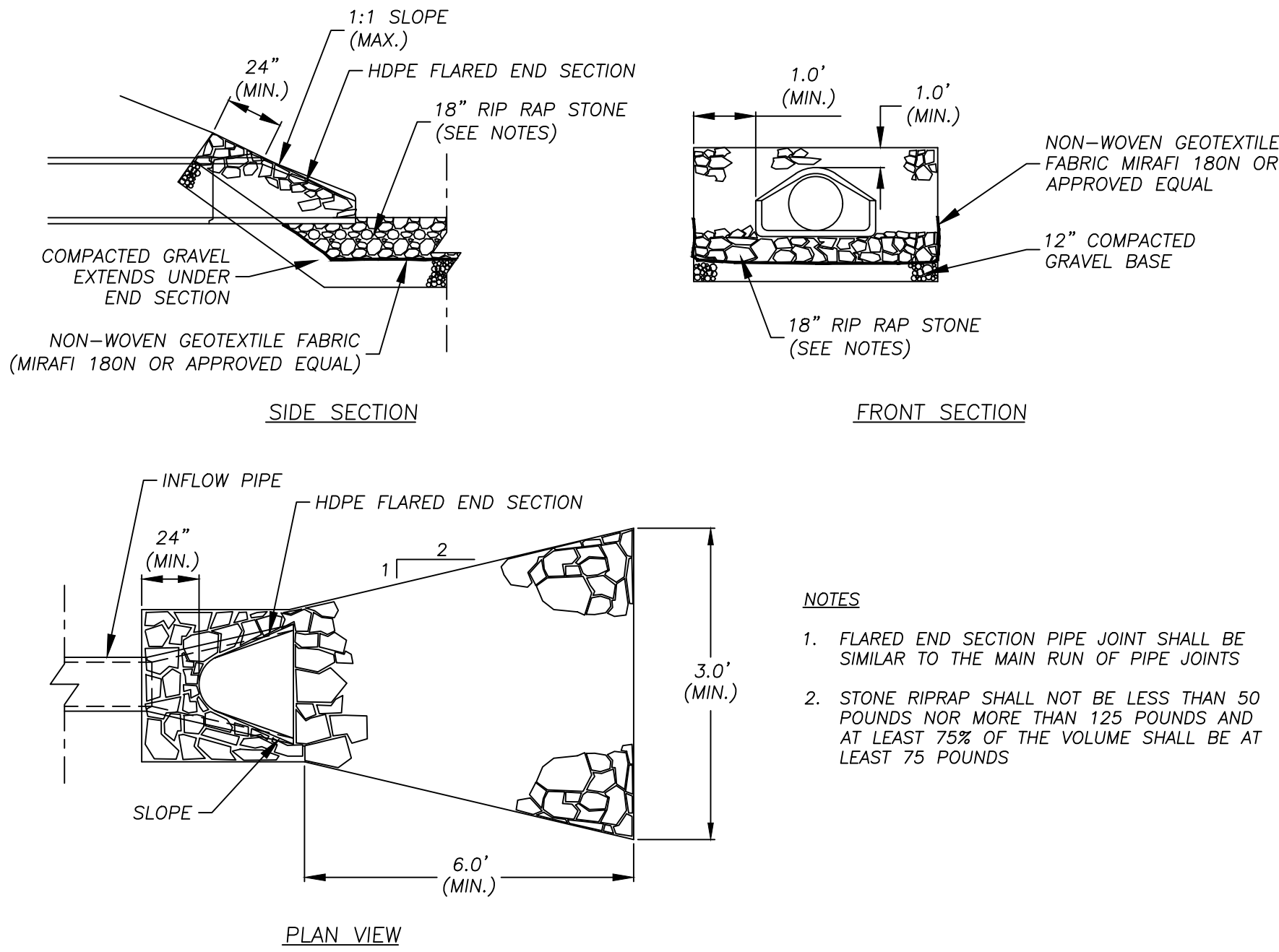
12. ALL SLOPES AND FILL AREAS IN BUFFER ZONE SHALL BE SEEDED AND MULCHED UPON COMPLETION OF CONSTRUCTION TO PREVENT ANY POSSIBLE IMPACT TO ADJACENT WETLAND.
13. UPON COMPLETION OF THE CONSTRUCTION PHASE OF THE WETLAND REPLICATION, THE CONTRACTOR SHALL CONTACT THE RLA/WETLAND SCIENTIST FOR AN INSPECTION. THE RLA/WETLAND SCIENTIST SHALL NOTIFY THE LOCAL CONSERVATION COMMISSION AS TO THE COMPLETION DATE.

ESTABLISHMENT & MONITORING:

1. AT THE END OF EACH GROWING SEASON, AND UNTIL COMPLIANCE WITH THE PERFORMANCE STANDARDS SET FORTH IN 310 CMR 10.55(4)(B)1-7 IS ACHIEVED, A PROGRESS REPORT SHALL BE SUBMITTED BY A REGISTERED LANDSCAPE ARCHITECT OR WETLAND SCIENTIST, TO THE LOCAL ISSUING AUTHORITY.
2. ALL WORK SHALL COMPLY WITH 310 CMR 10.55 (4)(B)1-7: WITHIN TWO GROWING SEASONS AFTER COMPLETION, AT LEAST 75% OF THE REPLICATION AREA SHALL BE ESTABLISHED WITH INDIGENOUS WETLAND PLANT SPECIES. IF AT THE END OF THE FIRST OR THE SECOND GROWING SEASON (OR BOTH), THE SUCCESS RATE IS NOT EXPECTED TO BE 75%, PLANTING AND/OR RE-SEEDING OF THE REPLICATION AREA SHALL BE UNDERTAKEN. VEGETATION MAY BE CUT OR REMOVED SELECTIVELY TO ELIMINATE NUISANCE OR INVASIVE PLANTS AND ENCOURAGE WETLAND SPECIES.

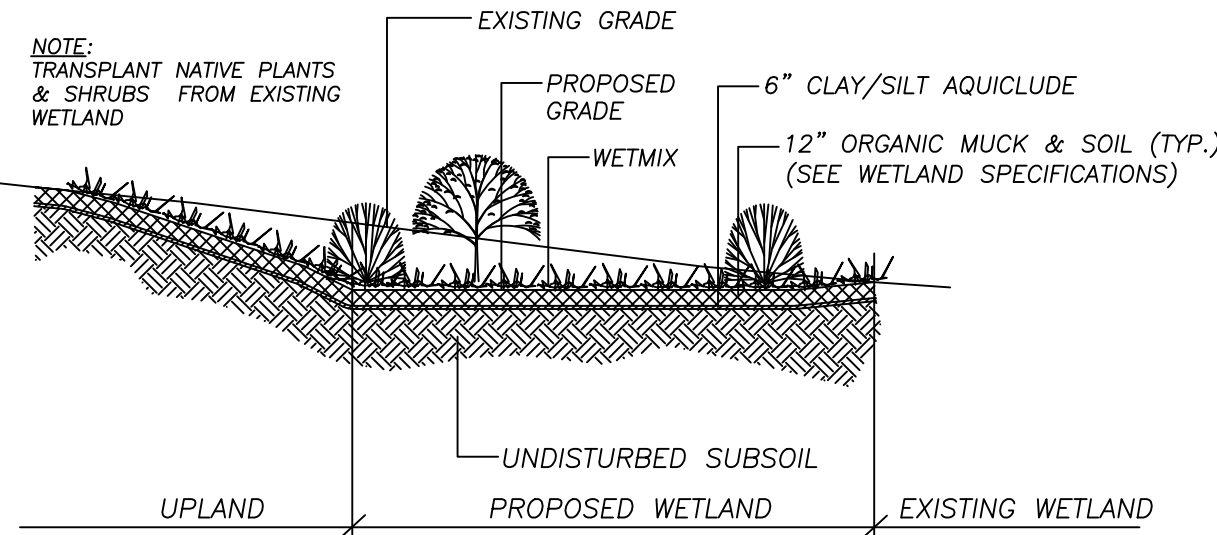
MAINTENANCE:

1. AFTER SUCCESSFUL ESTABLISHMENT OF WETLAND VEGETATION AND RECEIPT OF A CERTIFICATE OF COMPLIANCE, THE AREA SHALL BE PERMITTED TO GROW WITHOUT DISTURBANCE. NO CONTINUING MAINTENANCE IS REQUIRED, EXCEPT FOR THE POSSIBLE SELECTIVE PRUNING OR REMOVAL OF NUISANCE AND/OR INVASIVE SPECIES THAT MAY HAVE INVADDED THE REPLICATION AREA.

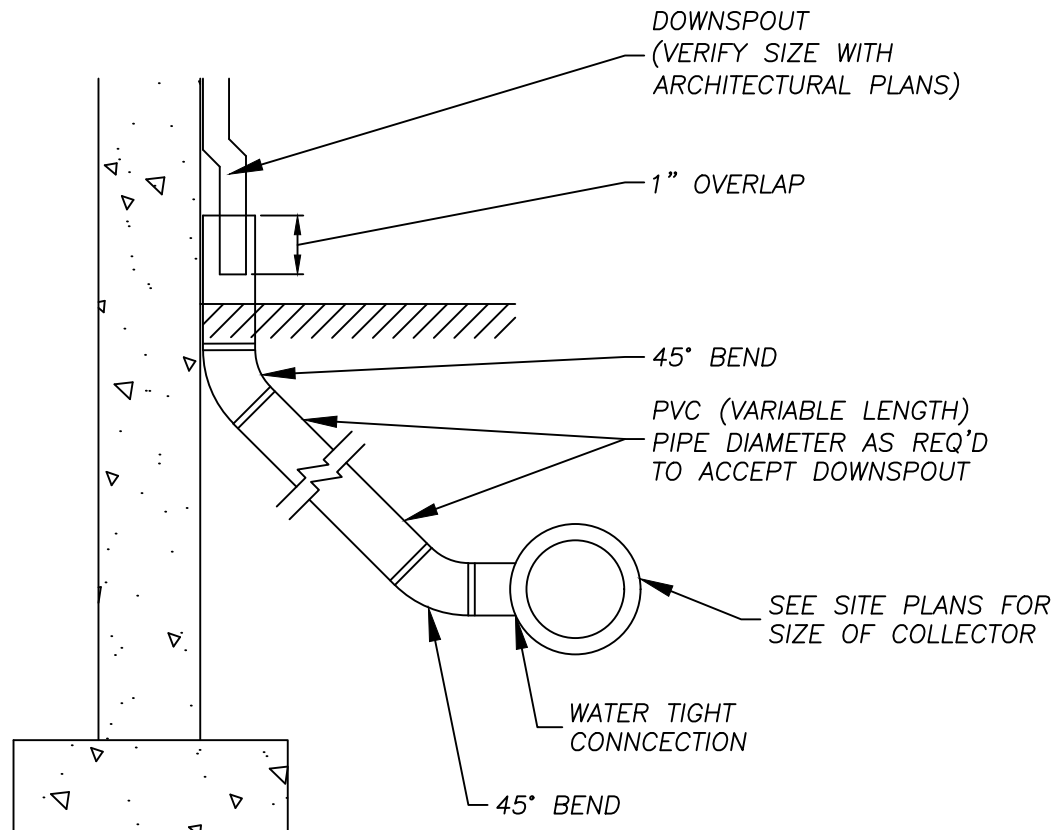


STANDARD RIP RAP PIPE OUTLET
NO SCALE

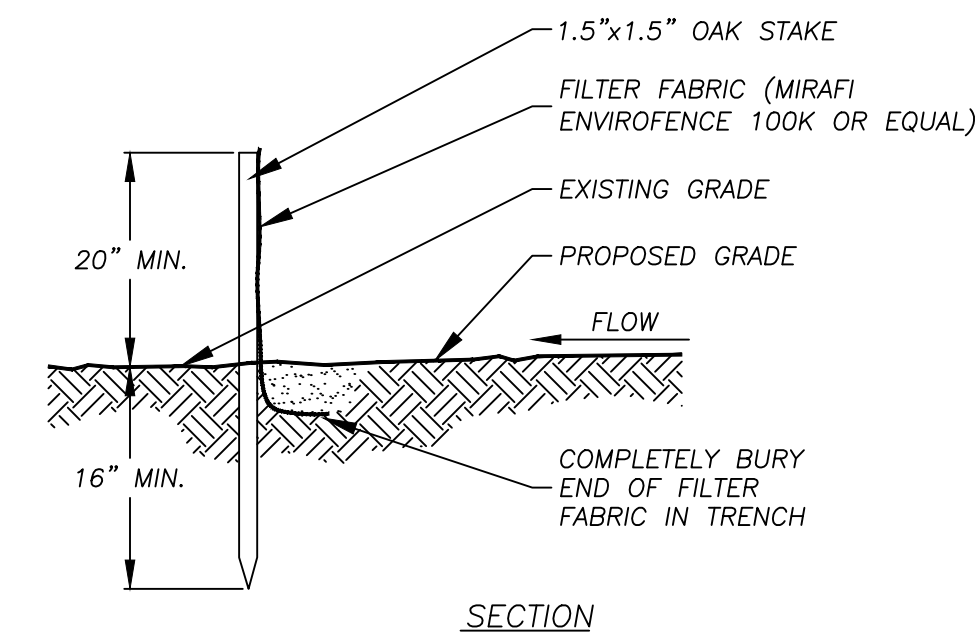
SEED WETLAND REPLICATION AREA WITH "NEW ENGLAND WETMIX" BY NEW ENGLAND WETLAND PLANTS, INC., OR EQUAL APPROVED BY LANDSCAPE ARCHITECT/WETLAND SCIENTIST. SEED MIXTURE TO BE APPLIED AT A RATE OF 1.0 LB/2,500 S.F.



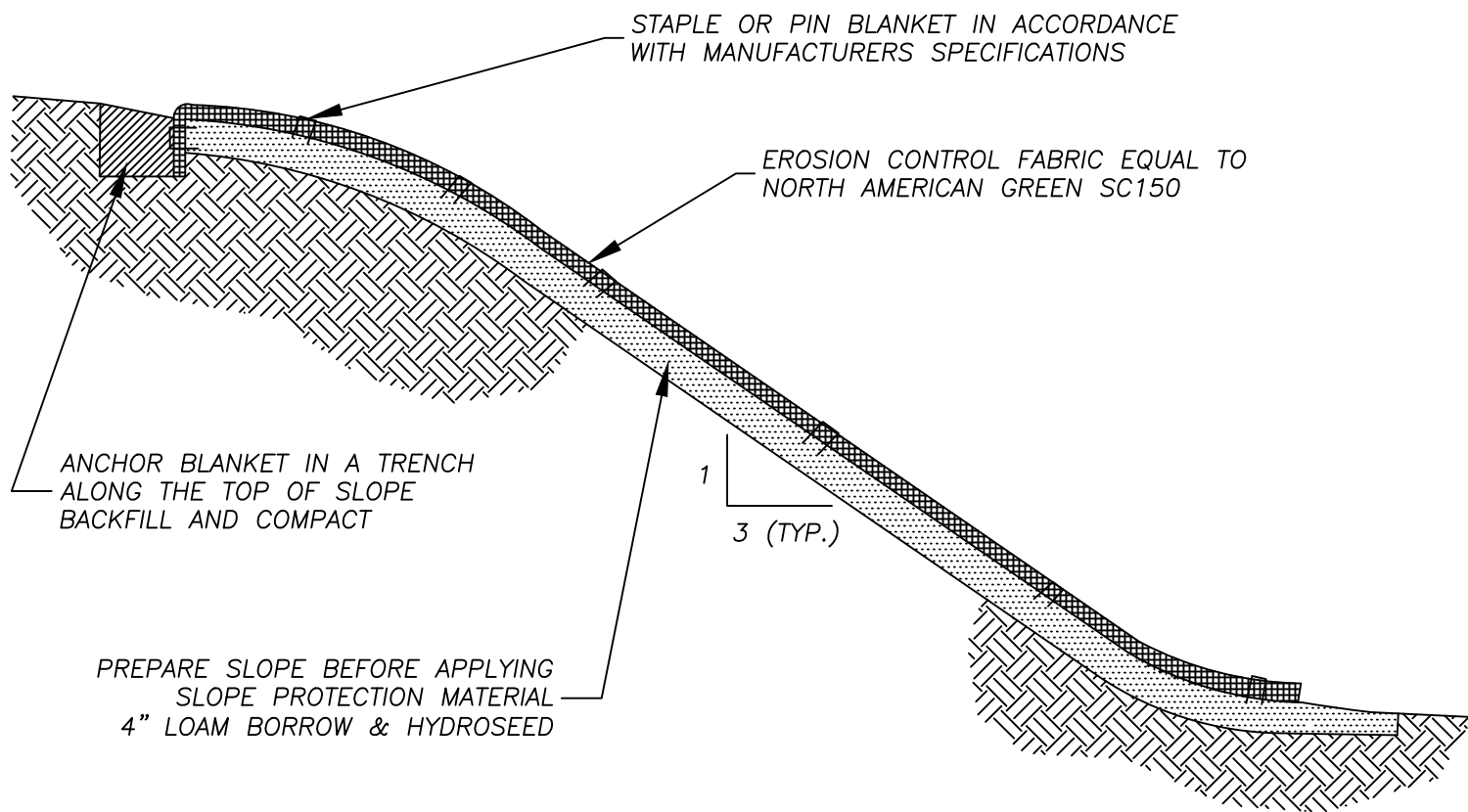
TYPICAL WETLAND REPLICATION AREA - CROSS SECTION
NO SCALE



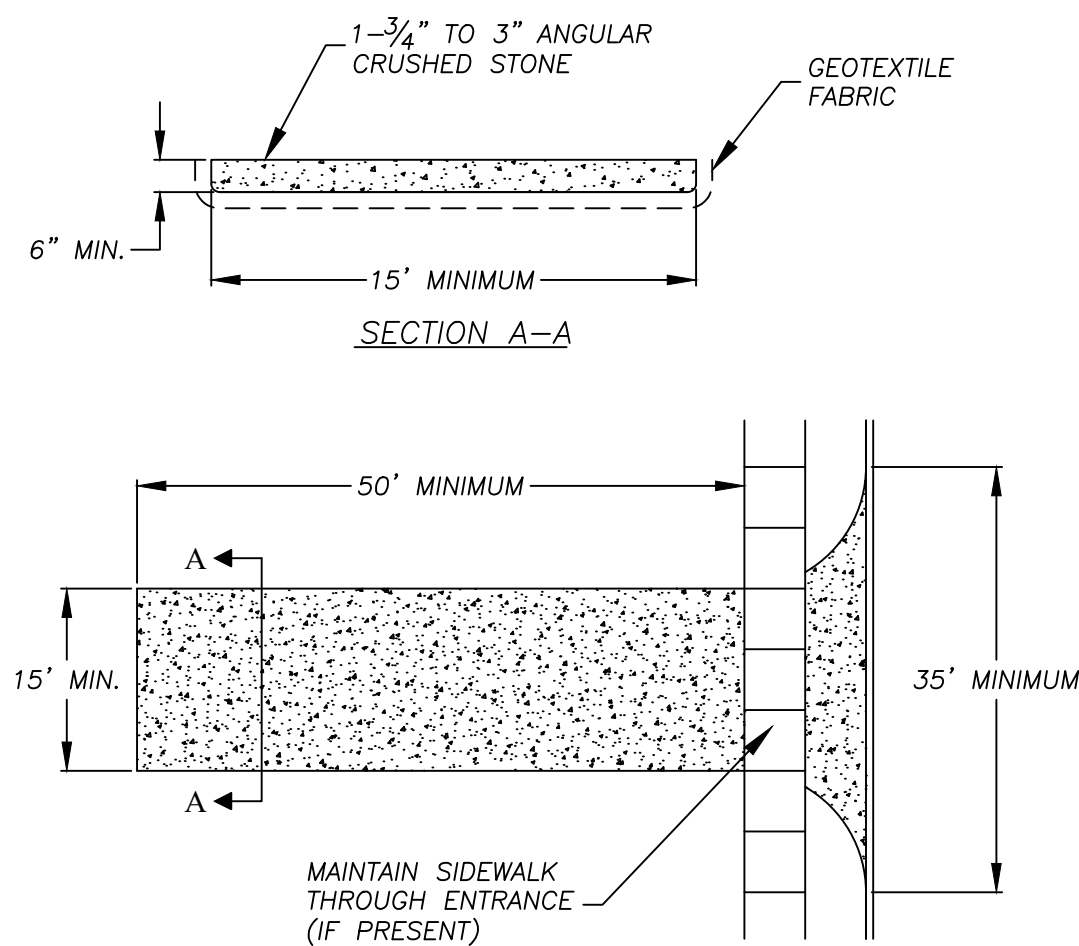
DOWNSPOUT COLLECTOR DETAIL
NO SCALE



SILT FENCE DETAIL
NO SCALE



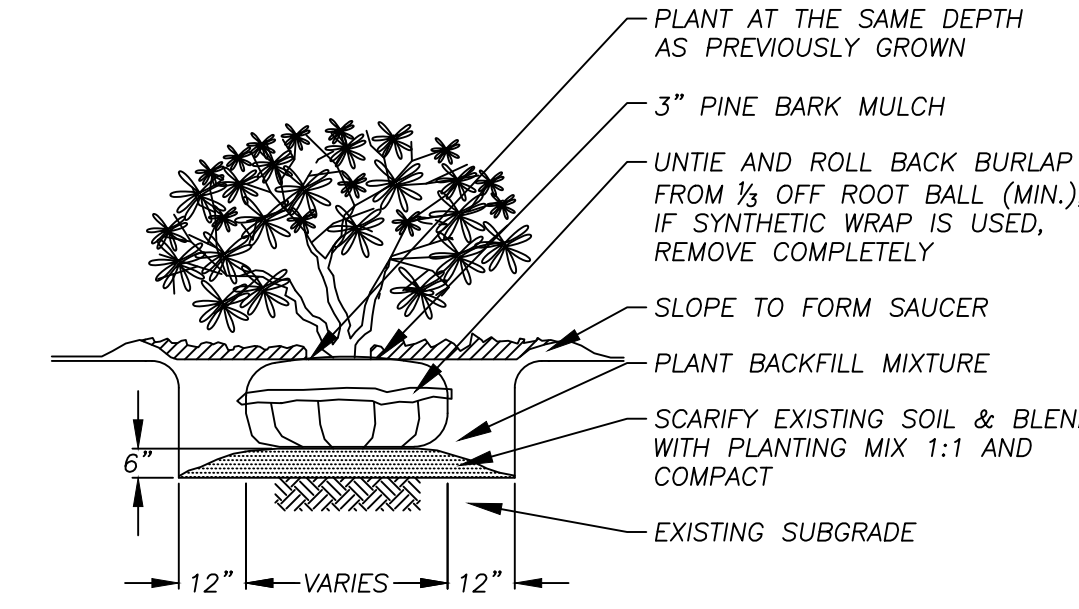
SLOPE PROTECTION MATERIAL INSTALLATION (AS REQ'D)
NO SCALE



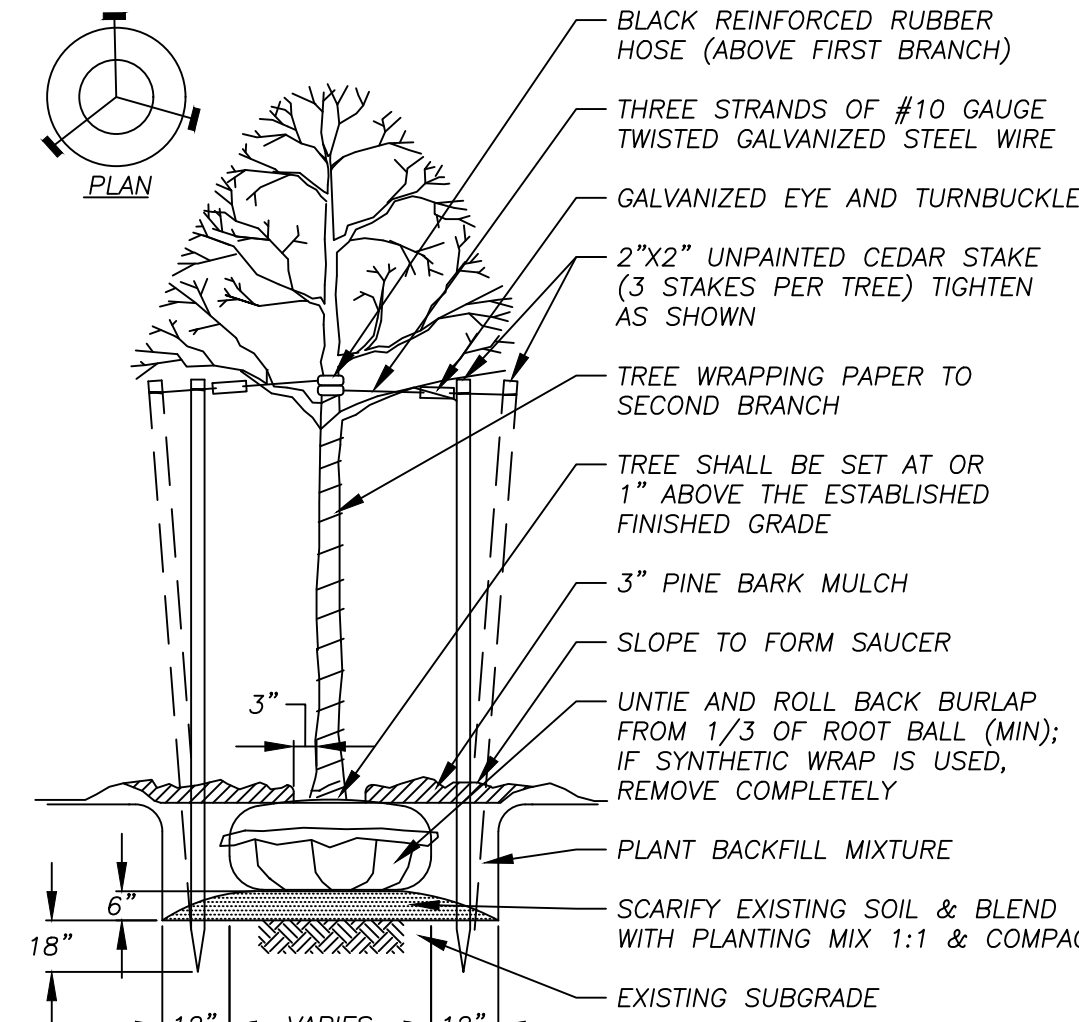
NOTES

1. EACH SITE ENTRANCE IS TO HAVE A TEMPORARY CONSTRUCTION ENTRANCE.
2. STONE IS TO BE 1-3/4" TO 3" ANGULAR CRUSHED STONE.
3. PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. ANY SEDIMENT TRACKED INTO THE ROADWAY NEEDS TO BE CLEANED IMMEDIATELY.
5. ADDITIONAL STONE IS TO BE ADDED TO THE PAD AS NEEDED TO MAINTAIN THE ORIGINAL DEPTH.
6. ANY SIDEWALK DAMAGED DURING CONSTRUCTION MUST BE REPLACED AT THE CONTRACTORS/DEVELOPERS EXPENSE.
7. SIDEWALK MUST REMAIN PASSABLE, IF THE SIDEWALK BECOMES UNSAFE OR IMPASSABLE, A TEMPORARY SIDEWALK/ SIDEWALK DETOUR MUST BE PROVIDED.

ANTI-TRACKING APRON (AS REQ'D)
NO SCALE



SHRUB PLANTING DETAIL
NO SCALE



TREE PLANTING DETAIL
NO SCALE

PERMITTING

RLA
R LEVESQUE ASSOCIATES INC.
Landscape Architects
Civil Engineers - Land Surveyors
Environmental Consultants
ph: 413.568.0985 fax: 413.568.0986
40 School Street
Westfield, MA 01085
rlaland.com

DETAILS
1014 North Street Extension
Parcel I.D. #D13 2 IO
Feeding Hills, Mass.

PREPARED FOR:
VIP Homes & Associates, LLC
c/o Mr. Vladimir Ruha
29 Avalon Place
Feeding Hills, MA 01030
ISSUANCE DATE: January 8, 2025
REVISIONS: DATE:
DRAFTED BY: J.L. & R.N.
UNAUTHORIZED ALTERATION OF THIS DOCUMENT IS A VIOLATION OF MASSACHUSETTS STATE LAW
SCALE: As Noted
RLA PROJ. NUMBER: 240713
DRAWING# REV.
W-2 -



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Agawam

City/Town

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

Main Street

a. Street Address

Agawam

b. City/Town

01001

c. Zip Code

Latitude and Longitude:

42.0871

d. Latitude

-72.6207

e. Longitude

See attached Table 1

f. Assessors Map/Plat Number

g. Parcel /Lot Number

2. Applicant:

Mario

a. First Name

Mazza

b. Last Name

Superintendent, Agawam Department of Public Works

c. Organization

1000 Suffield Street

d. Street Address

Agawam

e. City/Town

MA

f. State

01001

g. Zip Code

(413) 821-0600

h. Phone Number

i. Fax Number

mmazza@agawam.ma.us

j. Email Address

3. Property owner (required if different from applicant): ☒ Check if more than one owner

See attached Table 1

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

Melissa

a. First Name

Coady

b. Last Name

Tighe & Bond, Inc.

c. Company

53 Southampton Road

d. Street Address

Westfield

e. City/Town

MA

f. State

01085

g. Zip Code

(413) 572-3224

h. Phone Number

(413) 562-5317

i. Fax Number

MPCoady@TigheBond.com

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

N/A - Municipal Project

a. Total Fee Paid

N/A - Municipal Project

b. State Fee Paid

N/A - Municipal Project

c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Agawam

City/Town

A. General Information (continued)

6. General Project Description:

The project involves replacing approximately 870 linear feet of the Westfield River Sewer to an alignment farther from the bank of the Westfield River, as well as restoration of surfaces along the new alignment (pavement, lawn, etc.). Refer to the attached narrative for additional details.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. ☐ Single Family Home | 2. ☐ Residential Subdivision |
| 3. ☐ Commercial/Industrial | 4. ☐ Dock/Pier |
| 5. ☒ Utilities | 6. ☐ Coastal engineering Structure |
| 7. ☐ Agriculture (e.g., cranberries, forestry) | 8. ☐ Transportation |
| 9. ☐ Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☒ Yes ☐ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

310 CMR 10.53(3)(d) - public utilities (sewer)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Hampden

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. ☒ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Agawam

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Bank	1. linear feet	2. linear feet
b. ☐ Bordering Vegetated Wetland	1. square feet	2. square feet
c. ☐ Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. ☐ Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. ☐ Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. ☒ Riverfront Area	Westfield River (inland) 1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- ☐ 25 ft. - Designated Densely Developed Areas only
- ☐ 100 ft. - New agricultural projects only
- ☒ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 4,100
square feet

4. Proposed alteration of the Riverfront Area:

<u>4,100</u>	<u>500</u>	<u>3,600</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☒ No

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☒ Yes ☐ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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Bureau of Resource Protection - Wetlands

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. ☐ Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. ☐ Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. ☐ Coastal Banks	1. linear feet	
g. ☐ Rocky Intertidal Shores	1. square feet	
h. ☐ Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. ☐ Land Under Salt Ponds	1. square feet 2. cubic yards dredged	
j. ☐ Land Containing Shellfish	1. square feet	
k. ☐ Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above 1. cubic yards dredged	
l. ☐ Land Subject to Coastal Storm Flowage	1. square feet	

4. ☐ Restoration/Enhancement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. ☐ Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. ☐ Yes ☒ No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

August 1, 2021

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. ☐ Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. ☐ Assessor's Map or right-of-way plan of site

2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

(a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) ☐ Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mas-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) ☐ MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) ☐ Vegetation cover type map of site

- (e) ☐ Project plans showing Priority & Estimated Habitat boundaries

- (f) OR Check One of the Following

1. ☐ Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing.

a. NHESP Tracking #

b. Date submitted to NHESP

3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. ☐ Not applicable – project is in inland resource area only b. ☐ Yes ☐ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and
the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

- c. ☐ Is this an aquaculture project? d. ☐ Yes ☐ No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. ☐ Yes ☒ No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. ☐ Yes ☒ No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. ☐ Yes ☒ No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. ☐ Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. ☐ Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. ☐ A portion of the site constitutes redevelopment
 3. ☐ Proprietary BMPs are included in the Stormwater Management System.
- b. ☒ No. Check why the project is exempt:
1. ☐ Single-family house
 2. ☐ Emergency road repair
 3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

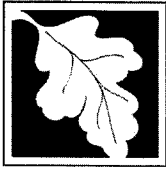
D. Additional Information

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. ☒ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

3. ☒ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

Westfield River Interceptor Sewer Relocation Project

a. Plan Title

Tighe & Bond, Inc.

b. Prepared By

December 2023

d. Final Revision Date

c. Signed and Stamped by

Varies

e. Scale

f. Additional Plan or Document Title

g. Date

5. ☒ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☒ Attach NOI Wetland Fee Transmittal Form
9. ☒ Attach Stormwater Report, if needed.

E. Fees

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

3. Signature of Property Owner (if different)

5. Signature of Representative (if any)

2. Date

4. Date

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Town of Agawam

Department Of Public Works

DPW
1000 Suffield Street
Agawam, MA 01001
Phone: 413-821-0600
Fax: 413-821-0631

MEMORANDUM

To: Conservation Commission
CC: File
From: Engineering Division
Date: March 4, 2024
Subject: PW 470 – Westfield River Interceptor Sewer Relocation – Main Street

Per your request, we have reviewed the Notice of Intent for the proposed Westfield River Interceptor Sewer Relocation Project; Prepared by Tighe & Bond; Dated: February, 2024. Based on our review, we have the following comments:

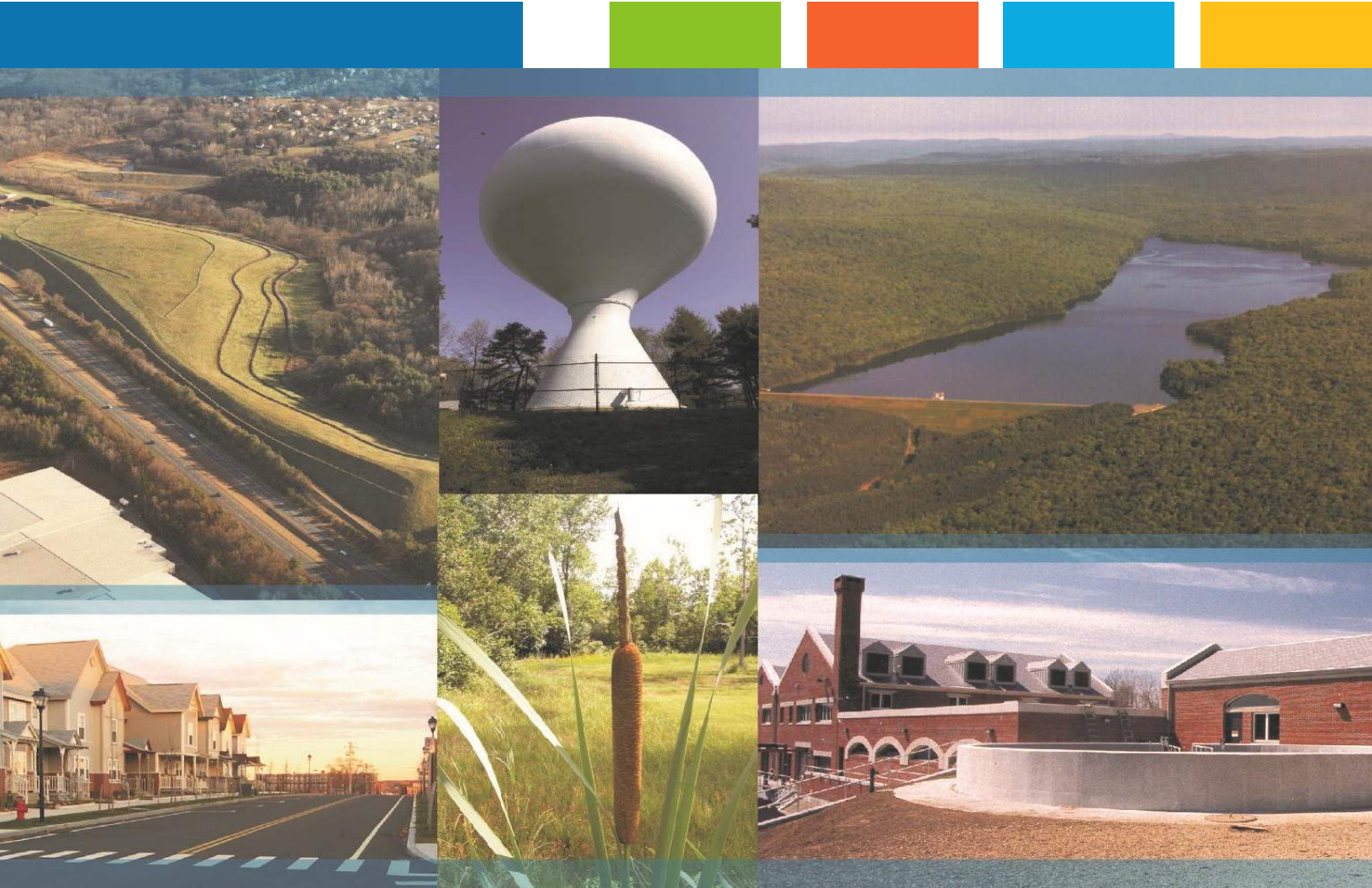
1. Engineering recommends that the abandoned SMH #9 be filled with flowable fill rather than gravel. Over time, gravel could shift within the manhole structures, potentially causing sinkholes within the parking lot of #141 Main Street.

Engineering reserves the right to make additional comments as new information is submitted. If you have any questions, please do not hesitate to contact this division.

Sincerely,

Michael F. Albro, P.E.
Assistant Town Engineer

Michelle C. Chase, P.E.
Town Engineer



Westfield River Interceptor Sewer Relocation Project
Agawam, Massachusetts

NOTICE OF INTENT

Town of Agawam
Department of Public Works

February 2024

Tighe&Bond

A-5000-005
February 21, 2024

Agawam Conservation Commission
36 Main Street
Agawam, MA 01001

Re: **Notice of Intent**
Westfield River Interceptor Sewer Relocation Project
Agawam, Massachusetts

Dear Members of the Commission:

On behalf of the Town of Agawam Department of Public Works (DPW), Tighe & Bond is submitting this Notice of Intent (NOI) for the Town's project to relocate a section of existing cross-country 24-inch diameter sewer that runs beneath a failing slope along the south side of the Westfield River. The proposed sewer alignment is approximately 870 feet long and passes through private property at 141 Main Street, 159 Main Street and 175 Main Street. The realignment will locate the sewer farther from the Westfield River than its current alignment.

Although the sewer realignment is exempt from the requirements for the Riverfront Area, an Order of Conditions is required for work within the 100-foot Buffer Zone to inland Bank.

Please advertise this matter for public hearing at the next regularly scheduled Commission meeting on March 14, 2024. We trust these materials are sufficient for the Commission to issue an Order of Conditions, confirming that the proposed activities will not compromise the statutory interests of the Massachusetts Wetlands Protection Act (MA WPA). Should you have any questions or require any additional information, please contact me at (413) 572-3224, or at MPCoady@tighebond.com.

Very truly yours,

TIGHE & BOND, INC.



Melissa P. Coady
Project Manager

Copy: MassDEP – Western Regional Office Division of Wetlands and Waterways
Mario Mazza, Superintendent, Agawam DPW
John Decker, Deputy Superintendent, Agawam DPW
Michelle Chase, PE, Agawam Town Engineer

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Appendices

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 - Orthophotograph (Figure 3)
 - Resource Areas (Figure 4)
 - FEMA Flood Profile
 - FEMA FIRM
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 - List of Abutters
 - Abutter Notification Form



Massachusetts Department of Environmental Protection
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City/Town

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

Main Street

a. Street Address

Agawam

b. City/Town

01001

c. Zip Code

Latitude and Longitude:

42.0871

d. Latitude

-72.6207

e. Longitude

See attached Table 1

f. Assessors Map/Plat Number

g. Parcel /Lot Number

2. Applicant:

Mario

a. First Name

Mazza

b. Last Name

Superintendent, Agawam Department of Public Works

c. Organization

1000 Suffield Street

d. Street Address

Agawam

e. City/Town

MA

f. State

01001

g. Zip Code

(413) 821-0600

h. Phone Number

i. Fax Number

mmazza@agawam.ma.us

j. Email Address

3. Property owner (required if different from applicant): ☒ Check if more than one owner

See attached Table 1

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

Melissa

a. First Name

Coady

b. Last Name

Tighe & Bond, Inc.

c. Company

53 Southampton Road

d. Street Address

Westfield

e. City/Town

MA

f. State

01085

g. Zip Code

(413) 572-3224

h. Phone Number

(413) 562-5317

i. Fax Number

MPCoady@TigheBond.com

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

N/A - Municipal Project

a. Total Fee Paid

N/A - Municipal Project

b. State Fee Paid

N/A - Municipal Project

c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The project involves replacing approximately 870 linear feet of the Westfield River Sewer to an alignment farther from the bank of the Westfield River, as well as restoration of surfaces along the new alignment (pavement, lawn, etc.). Refer to the attached narrative for additional details.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. ☐ Single Family Home | 2. ☐ Residential Subdivision |
| 3. ☐ Commercial/Industrial | 4. ☐ Dock/Pier |
| 5. ☒ Utilities | 6. ☐ Coastal engineering Structure |
| 7. ☐ Agriculture (e.g., cranberries, forestry) | 8. ☐ Transportation |
| 9. ☐ Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. ☒ Yes ☐ No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)
- 310 CMR 10.53(3)(d) - public utilities (sewer)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Hampden

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. ☐ Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. ☒ Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. ☐ Bank	1. linear feet	2. linear feet
b. ☐ Bordering Vegetated Wetland	1. square feet	2. square feet
c. ☐ Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. ☐ Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. ☐ Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. ☒ Riverfront Area	Westfield River (inland) 1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- ☐ 25 ft. - Designated Densely Developed Areas only
- ☐ 100 ft. - New agricultural projects only
- ☒ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 4,100
square feet

4. Proposed alteration of the Riverfront Area:

<u>4,100</u>	<u>500</u>	<u>3,600</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☒ No

6. Was the lot where the activity is proposed created prior to August 1, 1996? ☒ Yes ☐ No

3. ☐ Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. ☐ Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. ☐ Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. ☐ Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. ☐ Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. ☐ Coastal Dunes	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. ☐ Coastal Banks	1. linear feet	
g. ☐ Rocky Intertidal Shores	1. square feet	
h. ☐ Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. ☐ Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. ☐ Land Containing Shellfish	1. square feet	
k. ☐ Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. ☐ Land Subject to Coastal Storm Flowage	1. square feet	
4. ☐ Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	a. square feet of BVW	b. square feet of Salt Marsh
5. ☐ Project Involves Stream Crossings		
	a. number of new stream crossings	b. number of replacement stream crossings



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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C. Other Applicable Standards and Requirements

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. ☐ Yes ☒ No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

August 1, 2021

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. ☐ Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. ☐ Assessor's Map or right-of-way plan of site

2. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

(a) ☐ Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) ☐ Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mas-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

- (c) ☐ MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) ☐ Vegetation cover type map of site
- (e) ☐ Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following

1. ☐ Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. ☐ Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

- a. ☐ Not applicable – project is in inland resource area only b. ☐ Yes ☐ No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and
the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

- c. ☐ Is this an aquaculture project? d. ☐ Yes ☐ No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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Provided by MassDEP:

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Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

C. Other Applicable Standards and Requirements (cont'd)

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
a. ☐ Yes ☒ No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
a. ☐ Yes ☒ No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
a. ☐ Yes ☒ No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
a. ☐ Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. ☐ Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
2. ☐ A portion of the site constitutes redevelopment
3. ☐ Proprietary BMPs are included in the Stormwater Management System.
b. ☒ No. Check why the project is exempt:
1. ☐ Single-family house
2. ☐ Emergency road repair
3. ☐ Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- ☐ This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. ☒ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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D. Additional Information (cont'd)

3. ☒ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

Westfield River Interceptor Sewer Relocation Project

a. Plan Title

Tighe & Bond, Inc.

b. Prepared By

December 2023

d. Final Revision Date

c. Signed and Stamped by

Varies

e. Scale

f. Additional Plan or Document Title

g. Date

5. ☒ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☒ Attach NOI Wetland Fee Transmittal Form
9. ☒ Attach Stormwater Report, if needed.

E. Fees

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



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Bureau of Resource Protection - Wetlands

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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery of certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

3. Signature of Property Owner (if different)

5. Signature of Representative (if any)

2. Date

4. Date

2/21/2024

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

TABLE 1List of Property Owners¹

Parcel ID	Property Address	Owner	Owner Address	Owner City	Owner State	Owner Zip
K14 2 3 ²	141 Main Street	Ricom, LLC	141 Main Street	Agawam	MA	01001
K14 2 4 ²	159 Main Street	Cooper's Commons LLC	159 Main Street	Agawam	MA	01001
K14 2 5	175 Main Street	Carando Gourmet Frozen Foods Corp	175 Main Street	Agawam	MA	01001

¹Information based on *MassGIS, February 15, 2024*²Activities within these parcels are exempt from MAWPA



Massachusetts Department of Environmental Protection
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NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

Main Street

a. Street Address

N/A

c. Check number

Agawam

b. City/Town

N/A (fee exempt)

d. Fee amount

2. Applicant Mailing Address:

Mario

a. First Name

Mazza

b. Last Name

Superintendent, Agawam Department of Public Works

c. Organization

1000 Suffield Street

d. Mailing Address

Agawam

e. City/Town

MA

f. State

01001

g. Zip Code

(413) 821-0600

h. Phone Number

i. Fax Number

mmazza@agawam.ma.us

j. Email Address

3. Property Owner (if different):

See attached Table 1

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



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B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Fee Exempt (Municipal Project)			

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee: _____ Fee Exempt
a. Total Fee from Step 5

State share of filing Fee: _____
b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: _____
c. 1/2 Total Fee **plus** \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

SECTION 1

Section 1

Introduction

1.1 Project Background and Purpose

This Notice of Intent (NOI) is being submitted on behalf of the Town of Agawam Department of Public Works (DPW) for activities associated with relocating part of the sewer section that abuts the Westfield River and restabilizing the bank where it is currently located.

The DPW has identified vulnerabilities due to slope failure concerns along the southern bank of the Westfield River. The concerns are particularly relevant to the 24-inch diameter sewer that extends cross-country from 141 Main Street to Agawam's municipal sewer pump station behind the HP Hood facility at 233 Main Street. Slope stabilization designed by the Army Corps of Engineers (ACOE), which includes steel sheeting installed near the toe of the bank, had been installed to stabilize the bank. However, despite the slope stabilization efforts, the Town has observed signs of potential bank failure close to its 24-inch sewer at the location shown on Figure 1 in Appendix A. As a result, the Town has determined that realigning the sewer away from the river is the most cost effective and suitable means of addressing the system.

SECTION 2

Section 2

Existing Environment

This section provides a site description and wetland characterization for the project area. Land use in the general vicinity of the proposed sewer main is primarily developed and consists of mostly commercial use.

2.1 Project Locus

The Project Locus, as that term is defined at 310 CMR 10.02, is comprised of the three (3) parcels of land summarized in Table 2-1. The majority of the Project Locus is land situated between the Westfield River and Main Street. The land is developed and in commercial and/or industrial use. Land surrounding the Project Locus is also developed and in commercial, industrial, and residential use.

2.1.1 Project Site

The Project Site (i.e. Limits of Work) comprises approximately 27,300 square feet (sf) within existing sewer easements and private property on the south side of Westfield River. The proposed work will mainly take place within paved and other routinely maintained areas between the Carando Gourmet Foods, Cooper's Commons, Cooper's Gifts, and the Main Street Deli Restaurant buildings.

TABLE 2-1
Site Parcel Information¹

Parcel ID	Location	Owner
K14 2 3	141/143/145 Main Street	Ricom, LLC
K14 2 4	159 Main Street	Cooper's Commons LLC
K14 2 5	175 Main Street	Carando Gourmet Frozen Foods Corp

¹Information based on *MassGIS, February 15, 2024*

The project location is shown on the USGS Site Location Map (Figure 1) provided in Appendix A. The site and surrounding area are also shown on the Massachusetts Department of Environmental Protection (MassDEP) Priority Resources Map (Figure 2), and Orthophotograph Site Plan (Figure 3) in Appendix A. Photographs of the Project Site and surrounding area are provided in Appendix C.

2.2 Methodology of Resource Area Investigations

On December 5, 2018, Tighe & Bond conducted wetland resource area field investigations in the vicinity of the project limits in general accordance with the MassDEP guidelines, 310 CMR 10.00, and the United States Army Corps of Engineers Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (January 2012). Follow-up site reconnaissance was conducted on August 10, 2021.

2.3 Summary of Jurisdictional Wetland Resource Areas

The following wetland resource areas have been identified within or near the limits of the Project Site, and are subject to protection and jurisdiction under the Massachusetts Wetlands Protection Act (MA WPA; M.G.L. c. 131, § 40), which is administered by the Town of Agawam Conservation Commission:

- Inland Bank (Westfield River)
- Bordering Land Subject to Flooding (BLSF)
- Riverfront Area (Westfield River)

2.3.1 Inland Bank

The inland Bank of the Westfield River was delineated north of the Project Site. The Westfield River flows to the east, approximately 180 feet north of the Project Site. The Bank of the Westfield River is vegetated with trees and shrubs. Vegetation observed along the Bank of the river included ash-leaved maple (*Acer negundo*; FAC), green ash (*Fraxinus pennsylvanica*; FACW), sugar maple (*Acer saccharum*; FACU), black locust (*Robinia pseudoacacia*; FACU), Japanese knotweed (*Fallopia japonica*; FACU), multiflora rose (*Rosa multiflora*; FACU), and Oriental bittersweet (*Celastrus orbiculatus*; UPL).

2.3.2 Bordering Land Subject to Flooding

A review of the FEMA Flood Insurance Study (FIS) and Flood Insurance Rate Map (FIRM; Panel No. 25013C0403E, effective date July 16, 2013), indicates the Project Site is not situated within the limits of 100-year flooding associated with the Westfield River, which has a FEMA-determined Base Flood Elevation (BFE) of 61 feet (NAVD88). The limits of BLSF are shown on Figure 4 in Appendix A. A copy of the FEMA flood profile and FIRM are also provided in Appendix A.

2.3.3 Riverfront Area

As previously noted, the Westfield River is located to the northeast of the proposed Project Site. Riverfront Area within the Project Locus is comprised of upland forest, gravel access roads, degraded pavement, maintained lawn, and other vegetated areas. Within the Project Locus, there is approximately 4,100 square feet of Riverfront Area.

2.4 Rare Species

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) Atlas (August 1, 2021) and MassGIS online (August 2021) were consulted during the preparation of this application. According to these sources, the proposed Project Site and surrounding area are not within the limits of Priority Habitats or Rare Species or Estimated Habitats of Rare Wildlife. A map showing Priority Resources (Figure 2) is provided in Appendix A.

SECTION 3

Section 3

Project Description

3.1 Proposed Activities

The Westfield River Interceptor Sewer Relocation Project involves relocating a section of existing cross-country 24-inch diameter sewer that runs beneath a failing slope along the southern bank of the Westfield River, behind Cooper's Gifts, at 159 Main Street in Agawam. The proposed 24-inch sewer alignment is approximately 870 feet long and will be tied into an existing sewer within Main Street at a new sewer manhole (S.M.H. #1) and directed through the paved entrance of the Main Street Deli, at 141 Main Street, to a new sewer manhole (S.M.H. # 5). The sewer main alignment will also be directed southeast within Main Street to a new sewer manhole (S.M.H #2), then northeast within a maintained lawn area adjacent to the edge of the pavement to a new sewer manhole (S.M.H #3) between Cooper's Commons, at 159 Main Street, and Carando Gourmet Foods, at 175 Main Street. The proposed sewer main will continue northeast to a new sewer manhole (S.M.H. #4) behind Cooper's Gifts, at 161 Main Street. Cooper's Gifts currently utilizes a septic sewage treatment system but will be connected into the new sewer main after construction. The former sewer main will be decommissioned and abandoned in place. The locations of the existing and proposed sewer line and manholes are provided in the Project Drawings in Appendix B.

3.1.1 Anticipated Construction Sequence

The Town anticipates starting construction as soon as possible with plans to complete all work by November 2024, dependent upon weather, resource availability, and following the receipt of all regulatory approvals. The following is a description of the anticipated construction sequence for work of this nature. The actual sequence and schedule will be determined by the selected contractor.

- Submit inquiry to Dig Safe® to mark out underground utilities
- Install sediment and erosion controls
- Prepare staging and stockpile areas within easement
- Conduct vegetation clearing activities
- Conduct removal of structures and pavement
- Implement sewer bypass system
- Install proposed sewer main and backfill trenches with native soil
- Remove sewer bypass system
- Patch pavement surface with bituminous concrete trench repair
- Abandon existing sewer main
- Mill and overlay pavement surface
- Loam and seed exposed soils
- Remove erosion and sediment controls following stabilization

3.1.2 Access, Staging, and Stockpiling

The Project Site will be accessed from Main Street and the driveways encircling the Cooper's Common plaza. The road and driveways are visible on Figure 3 in Appendix A.

During work hours, staging areas for equipment and material stockpiles will be located within the limits of the construction easement, which covers the driveway in front of Cooper's Gifts and the maintained lawn to the east. At the end of each work day, mechanical equipment and stockpiles will be removed from the jurisdictional areas. Staging and stockpile locations will be generally located along viable access routes for removal of project-related materials from the site.

3.1.3 Sewer Abandonment

Once the sewer is completely transferred to the new line, the original sewer line will be abandoned. The inlet and outlet pipes of sewer manhole #9 will be plugged with brick and mortar, and the manhole will be filled with gravel. The frame and cover will then be removed. The inlet and outlet pipes of sewer manholes #10 and #11 will also be plugged with brick and mortar. These manholes will not be filled with gravel and their frames and covers will remain in place due to a lack of accessibility of equipment. The upstream pipes at sewer manholes #1, #4, and #7 will also be plugged with brick and mortar.

3.1.4 Site Restoration

Upon completion of the project, the disturbed areas will be restored. The proposed restoration activities include loaming and seeding, and mulching with straw, the maintained lawn area.

3.1.5 Long-Term Operation and Management

Following the completion of construction activities, the sewer main will be maintained by the Town, as needed.

3.2 Construction Period Protective Measures

Construction period erosion and sediment control measures will be installed between the work area and wetland resource areas as necessary to minimize potential impacts to these resource areas. Any sediment and erosion controls installed will be removed and properly disposed of off-site once construction and stabilization activities are complete. In the event groundwater is encountered during excavation activities, appropriate dewatering measures will be implemented, as necessary, prior to infiltration into upland areas.

Effluent present in the sewer main will be bypassed above ground in a sealed pipe while the relevant sections of sewer are replaced and installed.

3.3 Alternatives Considered

The Town had originally addressed this problem with a lesser invasive method by stabilizing the slope where the sewer main currently is. Slope stabilization designed by the Army Corps of Engineers (ACOE), which included steel sheeting installed near the toe of the bank, had been installed to stabilize the bank. However, despite the slope stabilization efforts, the Town has observed signs of potential bank failure close to the 24-inch sewer at the location shown on Figure 1 in Appendix A.

SECTION 4

Section 4

Regulatory Compliance

This section summarizes the project's relationship to and compliance with the MA WPA and other pertinent regulatory programs.

4.1 Massachusetts Wetland Protection Act

The proposed activities will occur within areas subject to protection and jurisdiction under the MA WPA. These areas consist of the 100-foot Buffer Zone and the 200-foot Riverfront Area of the Westfield River. The proposed activities will generally occur within approximately 4,100 square feet of the Riverfront Area altogether, with 500 square feet of that in the 100-foot Buffer Zone. The total work area, including the footprint of work outside MA WPA jurisdiction, will be approximately 27,300 square feet. The proposed activities are generally between elevations of 77 feet and 83 feet, which is at least 16 feet above the BLSF elevation of 61 feet.

TABLE 4-1

Summary of MA WPA Jurisdictional Alterations

Activity	200-foot Riverfront Area	
	0-100 feet	100-200 feet
New Sewer Within Maintained Lawn	0 sf	600 sf
Sewer Within Area of Unmanaged Vegetation	500 sf	3,000 sf
Total:	500 sf	3,600 sf

4.1.1 Exemptions

The following exemptions apply to the Westfield River Interceptor Sewer Relocation Project.

4.1.1.1 Exempted Activities

Per 310 CMR 10.58(6)(h), the construction, expansion, repair, restoration, alteration, replacement, operation and maintenance of public or private local or regional wastewater treatment plants and their related structures, conveyance systems, and facilities, including utility lines shall be considered exempt from the requirements for Riverfront Area.

4.1.2 Limited Project Status

The proposed sewer extension project qualifies for consideration as a Limited Project per 310 CMR 10.53(3)(d):

*The construction, reconstruction, operation and maintenance of underground and overhead public utilities, such as electrical distribution or transmission lines, or communication, **sewer** [emphasis added], water and natural gas lines, may be permitted...*

It is not necessary to invoke Limited Project status because the proposed activities are exempt from the requirements for the Riverfront Area.

4.1.3 Stormwater Management

No new impervious surfaces or point source discharges will result from the proposed activities. Per the recommended final decision issued on July 29, 2016 in the Matter of Berkshire Community College Docket # WET-2015-023 from the MassDEP Office of Appeals and Dispute Resolution, it was ruled that 310 CMR 10.05(6)(k) through (q) does not apply to a project that does not propose a "point source" or "stormwater discharge" within resource areas or their Buffer Zones.

4.2 Public Notice

Abutters were notified in accordance with the MA WPA 310 CMR 10.05(4)(a). Copies of the abutter notification form and list of abutters are provided in Appendix E.

4.3 Other Regulatory Programs

4.3.1 NPDES Construction General Permit

The project will not result in the disturbance of one (1) or more acres of land. As such, coverage under the National Pollution Discharge Elimination System (NPDES) Construction General Permit (CGP) and a Storm Water Pollution Prevention Plan (SWPPP) are not required.

J:\A\A5000 Agawam\005 Main St Interceptor Relocation\Permitting\NOI\Draft\Narrative.docx

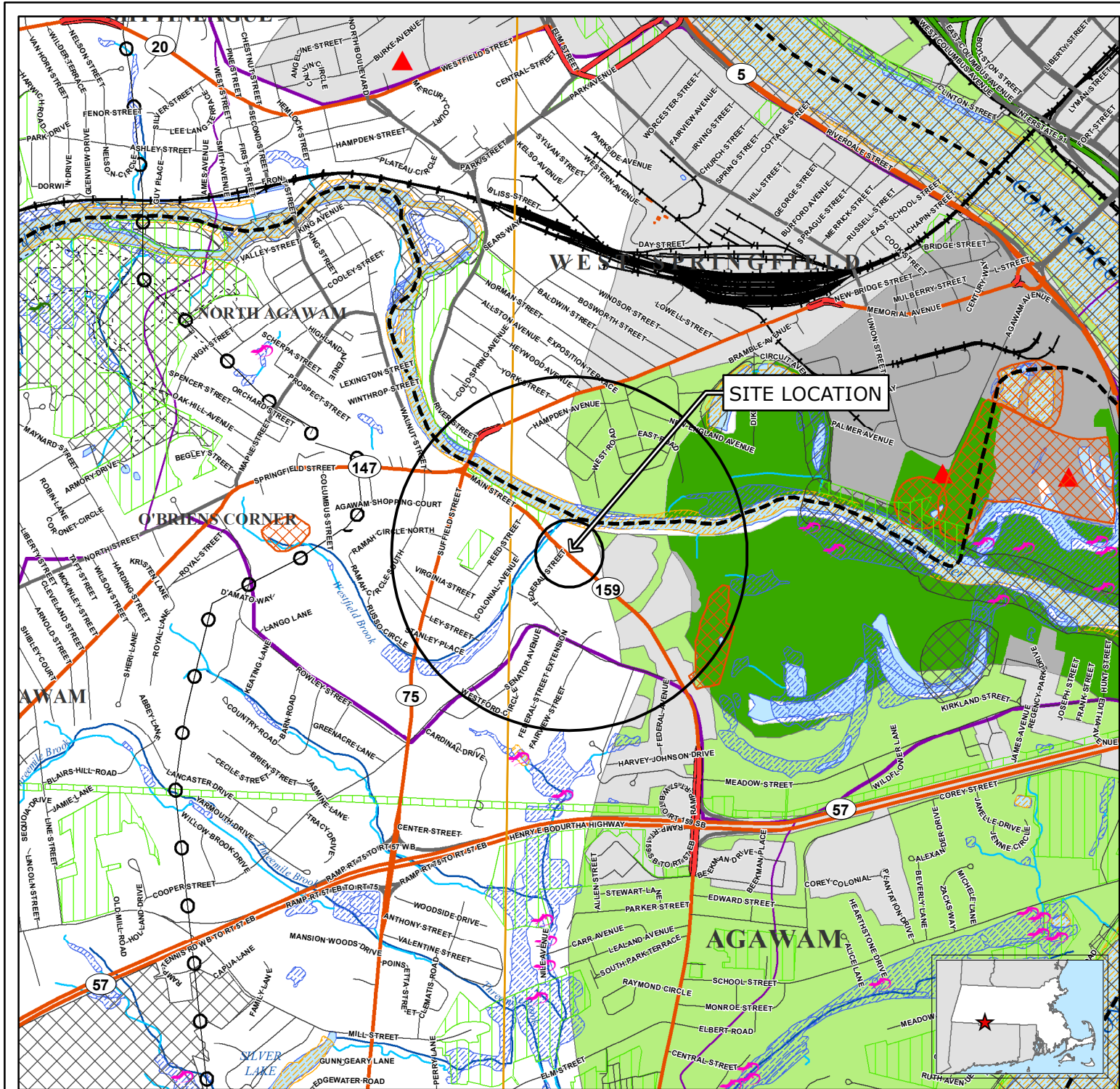
APPENDIX A



FIGURE 1
SITE LOCATION

Westfield River Sewer Relocation
Main Street
Agawam, Massachusetts

February 2024



Legend

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Non-Landfill Solid Waste Sites
- Proposed Well
- Emergency Surface Water
- Community Public Water Supply - Surface Water
- Community Public Water Supply - Groundwater
- Non-Community Non-Transient Public Water Supply
- Non-Community Transient Public Water Supply
- Limited Access Highway
- Multi-Lane Highway, NOT Limited Access
- Other Numbered Route
- Major Road - Arterials and Collectors
- Minor Street or Road
- Aqueducts
- Hydrologic Connections
- Stream/Intermittent Stream
- Powerline
- Pipeline
- Track or Trail
- Trains
- Public Surface Water Supply Protection Area (Zone A)
- DEP Approved Wellhead Protection Area (Zone I)
- DEP Approved Wellhead Protection Area (Zone II)
- DEP Interim Wellhead Protection Area (IWPA)
- Protected and Recreational Open Space
- Solid Waste Landfill
- Area of Critical Environmental Concern (ACEC)
- NHESP Priority Habitats for Rare Species
- NHESP Estimated Habitats for Rare Wildlife
- EPA Designated Sole Source Aquifer
- Major Drainage Basin
- Sub Drainage Basin
- MassDEP Open Water
- MassDEP Inland Wetlands
- MassDEP Coastal Wetlands
- MassDEP Not Interpreted Wetlands
- Public Surface Water Supply (PSWS)
- Water Bodies
- Non-Potential Drinking Water Source Area - High Yield
- Non-Potential Drinking Water Source Area - Medium Yield
- Potentially Productive Medium Yield Aquifer
- Potentially Productive High Yield Aquifer
- County Boundary
- Municipal Boundary
- USGS Quadrangle Sheet Boundary

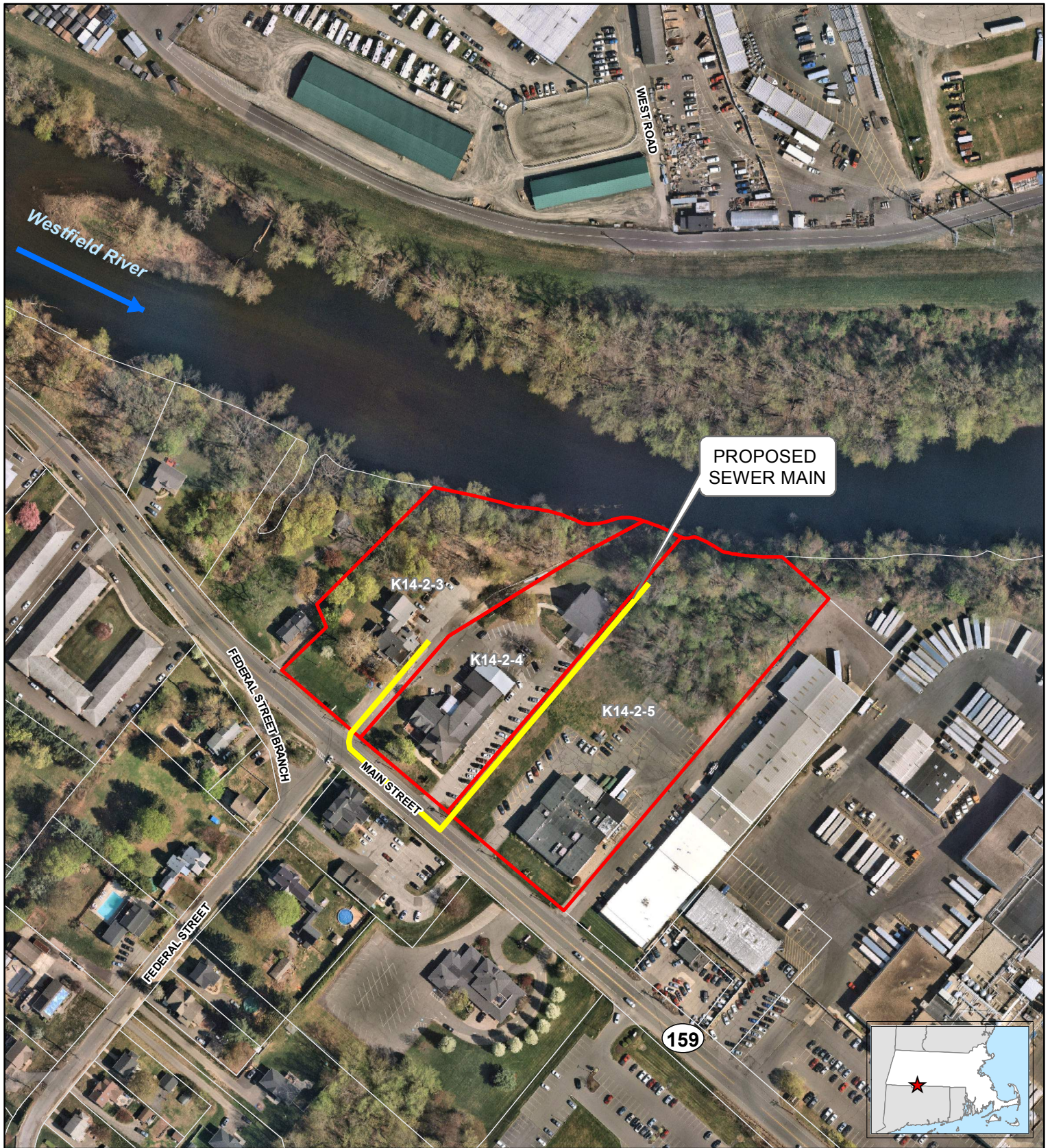
FIGURE 2 PRIORITY RESOURCES

Westfield River Sewer Relocation
Main Street
Agawam, Massachusetts

Data source: Bureau of Geographic Information (MassGIS),
Commonwealth of Massachusetts, Executive Office of Technology.
Circles indicate 500-foot and half-mile radii.
Data valid as of February 2024.

February 2024

Tighe & Bond



Legend

- Proposed Sewer Main
- Project Parcels
- Parcel Boundary
- River Flow Direction

Tighe&Bond

Based on Nearmap Color Orthophotography (2023).

1:2,400
0 100 200
Feet

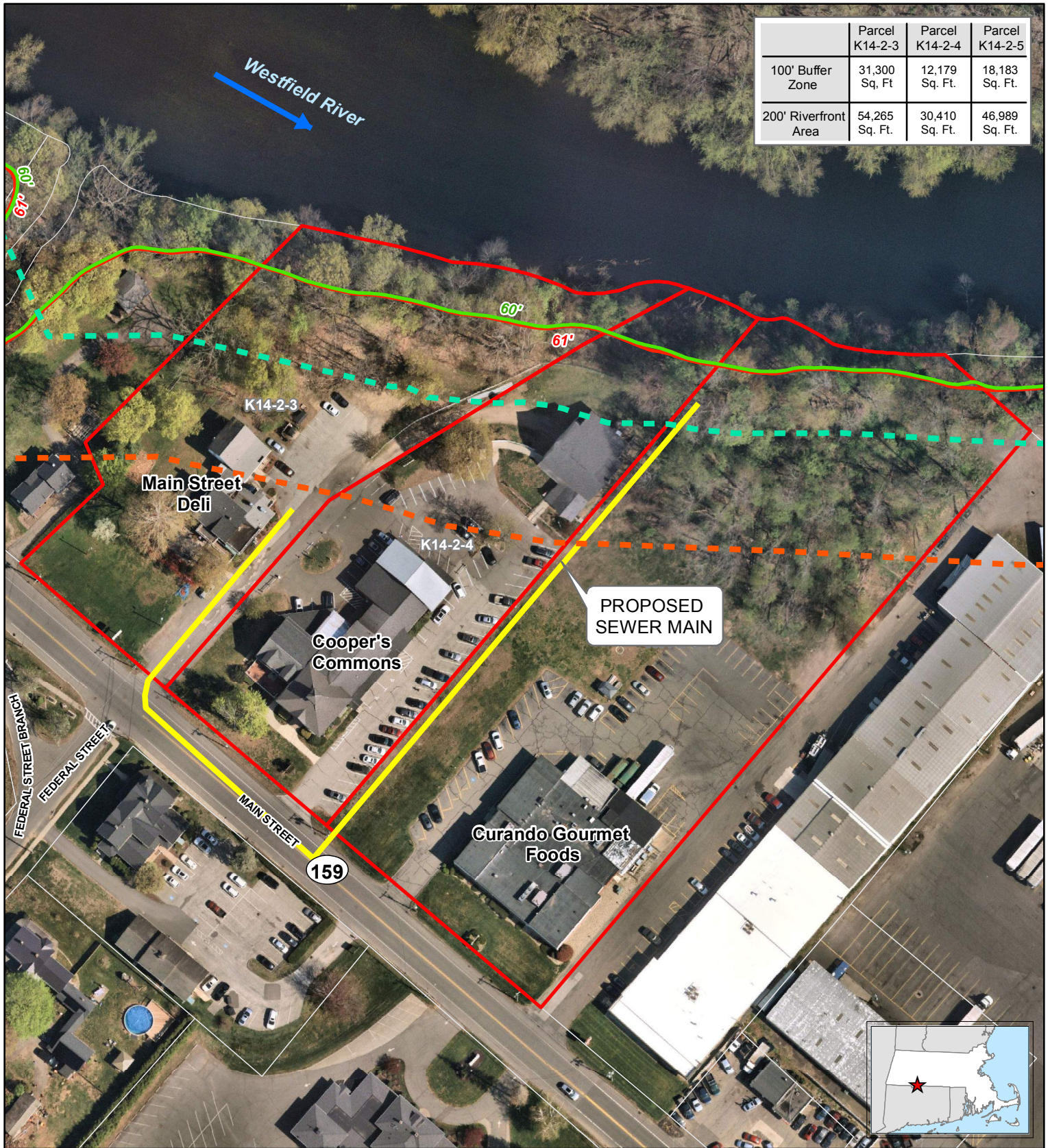


FIGURE 3

ORTHOGRAPH

Westfield River Sewer Relocation
Main Street
Agawam, Massachusetts

February 2024



Elevation Contour

60'

61' - Limits of Bordering

Land Subject to Flooding (BLSF)

Proposed Sewer Main



Project Parcels



Parcel Boundary



100' Buffer Zone



200' Riverfront Area



River Flow Direction

NOTE: 60' and 61' contours represent FEMA's calculated Base Flood Elevation (BFE) for a 100-year storm.



1:1,300
0 50 100
Feet

Tighe&Bond

Based on Nearmap Color Orthophotography (2023).

FIGURE 4

RESOURCE AREAS

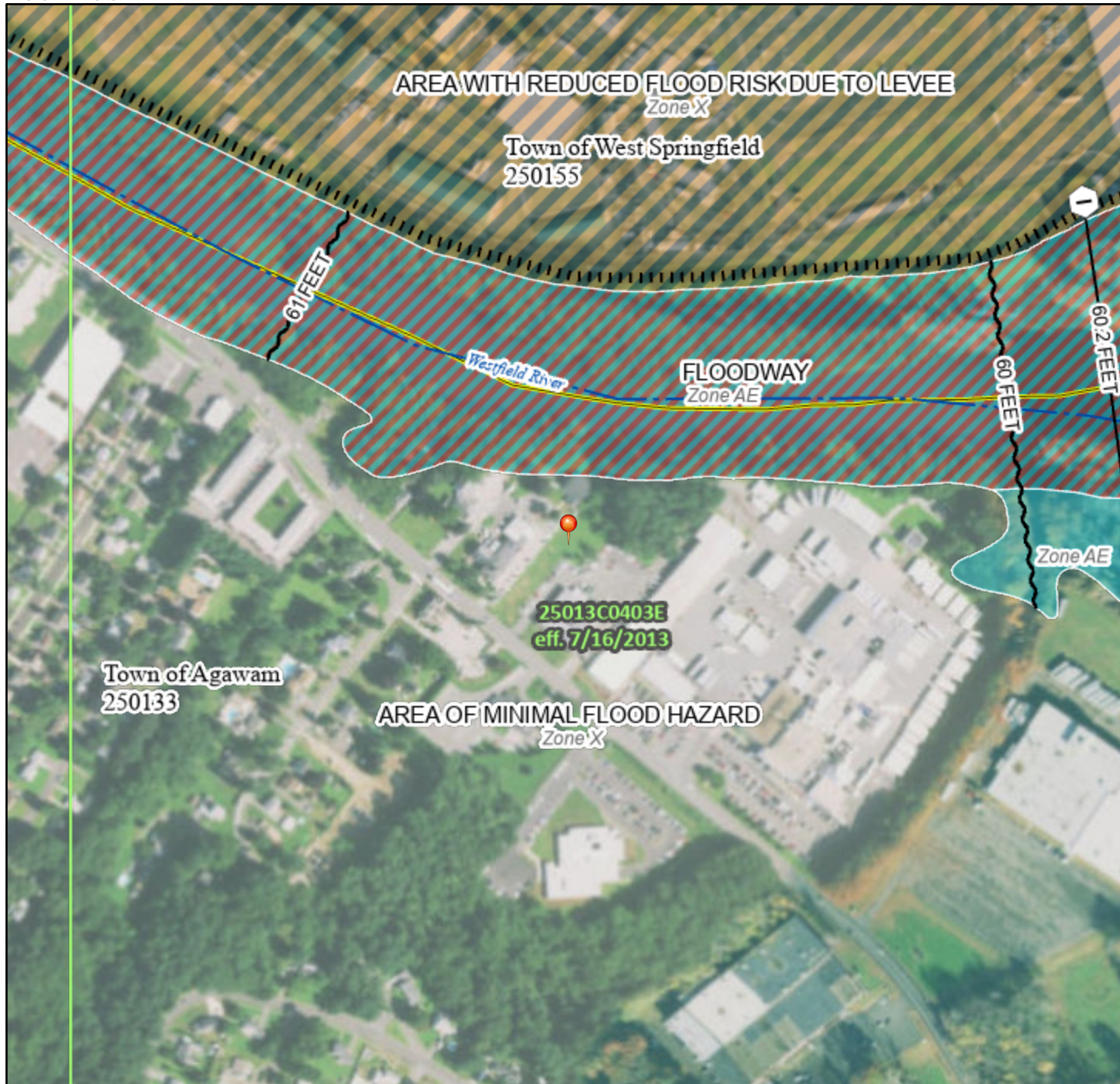
Westfield River Sewer Relocation
Main Street
Agawam, Massachusetts

February 2024

National Flood Hazard Layer FIRMette



72°37'32"W 42°5'25"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/6/2021 at 9:54 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

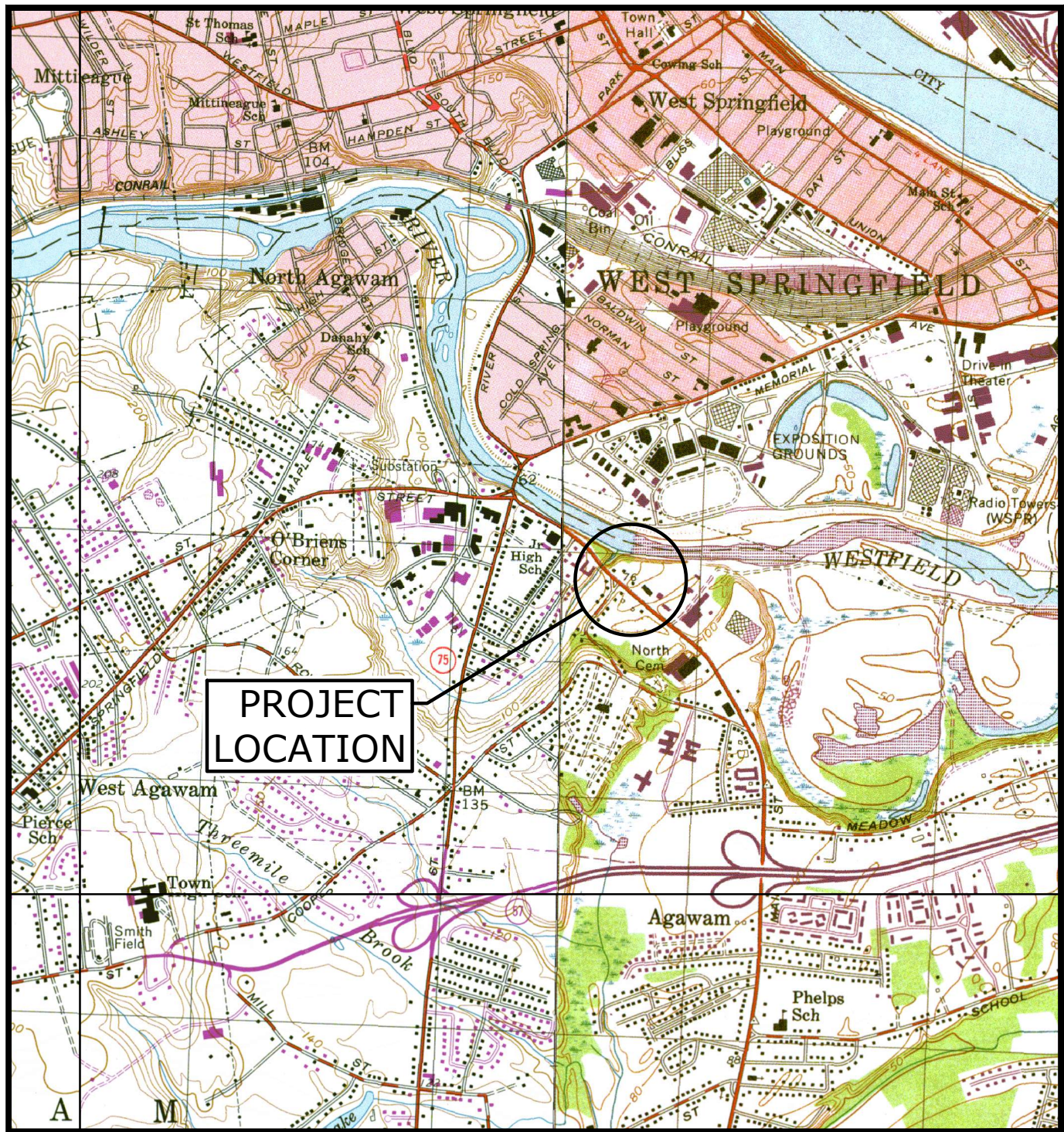
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX B

TOWN OF AGAWAM, MASSACHUSETTS WESTFIELD RIVER INTERCEPTOR SEWER RELOCATION PROJECT

JANUARY 2024

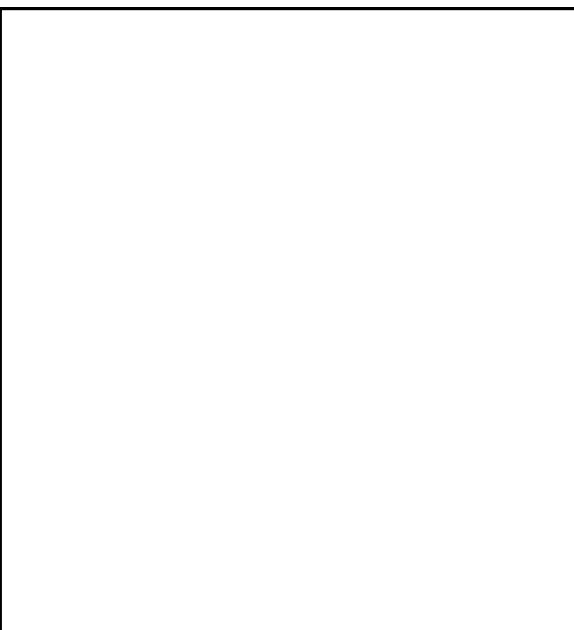
LIST OF DRAWINGS		
SHEET NO.	DRAWING NO.	DRAWING TITLE
GENERAL		
1	G-001	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
CIVIL		
2	C-101	SEWER PLAN LAYOUT
3	C-102	SEWER PROFILES
4	C-201	SEWER DETAILS
5	C-202	MISCELLANEOUS DETAILS
6	C-203	TRAFFIC CONTROL DETAILS



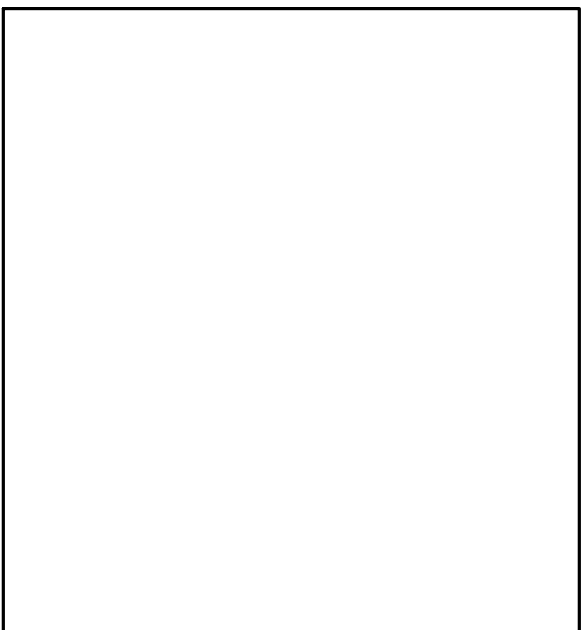
LOCATION MAP
SCALE: 1" = 2000'

PREPARED BY:

Tighe&Bond



DAVID J. PARTRIDGE, PE



MATTHEW A. KIRK, PE

MAYOR
WILLIAM P. SAPELLI

SUPERINTENDENT OF PUBLIC WORKS
MARIO MAZZA

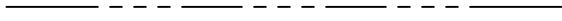
DEPUTY SUPERINTENDENT OF PUBLIC WORKS
JIM DENI

TOWN ENGINEER
MICHELLE C. CHASE, PE

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CONSTRUCTION PURPOSES.

COMPLETE SET 6 SHEETS

LEGEND

	POST INDICATOR VALVE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER MANHOLE
	LIGHT POLE
	GROUND LIGHT
	DECIDUOUS TREE
	REINFORCING BAR FOUND
	IRON PIN FOUND
	SURVEY PIN
	EXISTING DRAIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	TELEPHONE MANHOLE
	EXISTING STORM DRAIN
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING WATER LINE
	INDEX CONTOURS
	INTERMEDIATE CONTOURS
	PROPERTY LINE
	EASEMENT LINE
	EXISTING GUARDRAIL
	TREE LINE
	EXISTING WOOD FENCE
	EDGE OF WATER
	100-FOOT BUFFER ZONE
	200-FOOT RIVERFRONT AREA
	PROPOSED EROSION CONTROL BARRIER
	PROPOSED TREELINE
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC
	EDGE OF ROAD

ABBREVIATIONS

BIT	BITUMINOUS
BK	BOOK
CONC	CONCRETE
ELEV	ELEVATION
HORIZ	HORIZONTAL
HYD	HYDRANT
INV	INVERT ELEVATION
LF	LINEAR FEET
LCD	LAND COURT DOCUMENT
LP	LIGHT POLE
PG	PAGE
PIV	POST INDICATOR VALVE
PVC	POLYVINYLCHLORIDE PIPE
R/WALLS	RETAINING WALLS
S	SEWER
SMH	SEWER MANHOLE
TBM	TEMPORARY BENCH MARK
VERT	VERTICAL
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM

GENERAL NOTES

3. NOTIFY DIGSAFE AT 1-888-344-7233 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE DIGSAFE LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
2. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
3. NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
4. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
5. TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
6. EXCAVATE ADDITIONAL TEST PITTS TO LOCATE EXISTING UTILITIES AS DIRECTED OR APPROVED BY THE ENGINEER.
7. NOTIFY THE ENGINEER OF ANY UTILITIES IDENTIFIED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS OR THAT DIFFER IN SIZE OR MATERIAL.
8. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY; COORDINATION WITH THE OWNER, ALL SUBCONTRACTORS, AND WITH OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, THE MEANS AND METHODS OF CONSTRUCTING THE PROPOSED WORK.
9. OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
10. SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
11. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
12. PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
13. NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER AND AT NO COST TO THE PROPERTY OWNER.
15. TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
16. NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
17. THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
18. MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
19. WHEN WORKING IN THE ROAD, PROVIDE THE OWNER AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES A DETAILED PLAN OF APPROACH INDICATING METHODS OF PROPOSED TRAFFIC ROUTING ON A DAILY BASIS. PROVIDE COORDINATION TO ENSURE COMMUNICATION AND COORDINATION BETWEEN THE OWNER, CONTRACTOR AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES THROUGHOUT THE CONSTRUCTION PERIOD.
20. REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
21. THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
22. ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.
23. PROVIDE BARRIER AROUND CONSTRUCTION ZONE AT ALL TIMES WHEN ADJACENT BUSINESSES ARE OPEN TO PROTECT THE PUBLIC.
24. DO NOT OBSTRUCT PUBLIC ACCESS TO THE ADJACENT BUSINESS. THIS MAY REQUIRE THAT THE WORK BE PERFORMED IN PHASES.

SURFACE RESTORATION NOTES

1. ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. PROVIDE SITE GRADING AT ACCESSIBLE SIDEWALK RAMPS, SIDEWALKS, AND BUILDING ENTRANCES THAT IS CONSISTENT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND MA ARCHITECTURAL ACCESS BOARD REQUIREMENTS (AAB). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTES, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
 - ACCESSIBLE PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
 - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
 - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
3. PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, MAIL BOXES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALKWAYS, TREES, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
4. IF REMOVAL OF PROJECT FEATURES IS REQUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE SITE FEATURES ONLY UPON APPROVAL OF ENGINEER. REPLACE ALL REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITEMS REMOVED.
5. EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
6. COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHED PAVING.
7. REPAIR DISTURBED PAVED SURFACES AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
8. TRANSFER ALL TEMPORARY BENCHMARKS, AS NECESSARY.
9. RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
10. REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE SURFACES TO EXISTING OR PROPOSED CONDITIONS AS INDICATED ON THE DRAWINGS.
11. PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS AND WALKING SURFACES.

BASE PLAN NOTES

1. THE EXISTING CONDITIONS INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE FOLLOWING:
 - SURVEY DRAWINGS PROVIDED BY SHERMAN & FRYDRYK, LLC, DATED JUNE 2018 & SEPTEMBER 2023
 - FIELD INVESTIGATIONS PERFORMED BY TIGHE & BOND
 - ON DECEMBER 5, 2018, TIGHE & BOND CONDUCTED WETLAND RESOURCE AREA FIELD INVESTIGATIONS IN THE VICINITY OF THE PROJECT LIMITS IN GENERAL ACCORDANCE WITH THE MASSDEP GUIDELINES, 310 CMR 10.00, AND THE UNITED STATES ARMY CORPS OF ENGINEERS REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (JANUARY 2012). FOLLOW-UP SITE RECONNAISSANCE WAS CONDUCTED ON AUGUST 10, 2021.
2. UTILITY LOCATIONS SHOWN WERE PLOTTED FROM INFORMATION SUPPLIED BY RESPECTIVE UTILITY COMPANIES AND DATA OBTAINED FROM FIELD SURVEYS AND AS BUILT DRAWINGS. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS IS NOT GUARANTEED. DETERMINE THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH MAY AFFECT CONSTRUCTION OPERATIONS.
3. THE DRAWINGS ARE BASED ON THE FOLLOWING DATUMS: HORIZONTAL- NAD83 ; VERTICAL- NAVD88
4. THE EXISTING CONDITIONS SHOWN ARE APPROXIMATE. FIELD VERIFY EXISTING CONDITIONS.

EROSION CONTROL AND RESOURCE AREA PROTECTION NOTES

1. PROVIDE ALL EROSION CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
2. PRIOR TO STARTING WORK, CLEARLY STAKE WORK LIMITS. DO NOT DISTURB VEGETATION AND TOPSOIL BEYOND THE PROPOSED LIMITS. COORDINATE WITH THE ENGINEER FOR LOCATIONS OF TEMPORARY STOCKPILING OF TOPSOIL DURING CONSTRUCTION.
3. INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
4. SETTLE OR FILTER ALL SILT-LADEN WATER FROM DEWATERING ACTIVITIES IN A SEDIMENTATION OR FILTER BAG TO REMOVE SEDIMENTS PRIOR TO RELEASE USING A SEDIMENTATION OR FILTER BAG LOCATED DOWN-GRADIENT OF THE DEWATERED AREA.
5. REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRECONSTRUCTION CONDITION.
6. SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.

PLAN SET	ISSUE TITLE
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CONSTRUCTION PURPOSES.

Westfield River Interceptor Sewer Relocation Project

Department of
Public Works

Agawam,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:		A5000-005
DATE:		DECEMBER 2023
FILE:		A5000-005 general notes.dwg
DRAWN BY:		LMK
DESIGNED/CHECKED BY:		MAK
APPROVED BY:		DJP
GENERAL NOTES, LEGEND, AND ABBREVIATIONS		
SCALE:		NO SCALE
 G-001 SHEET 1 OF 6		



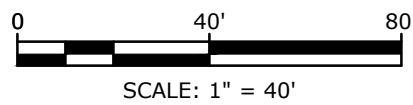
Westfield River Interceptor Sewer Relocation Project

Agawam,
Massachusetts

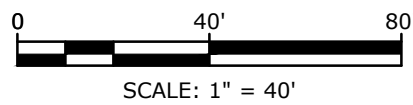
MARK	DATE	DESCRIPTION
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DATE:	DECEMBER 2023	
FILE:	A5000-005 Plan.dwg	
DRAWN BY:	LMK	
DESIGNED/CHECKED BY:	MAK	
APPROVED BY:	DJP	

SCALE: 1"=40'H; 1"=4'V

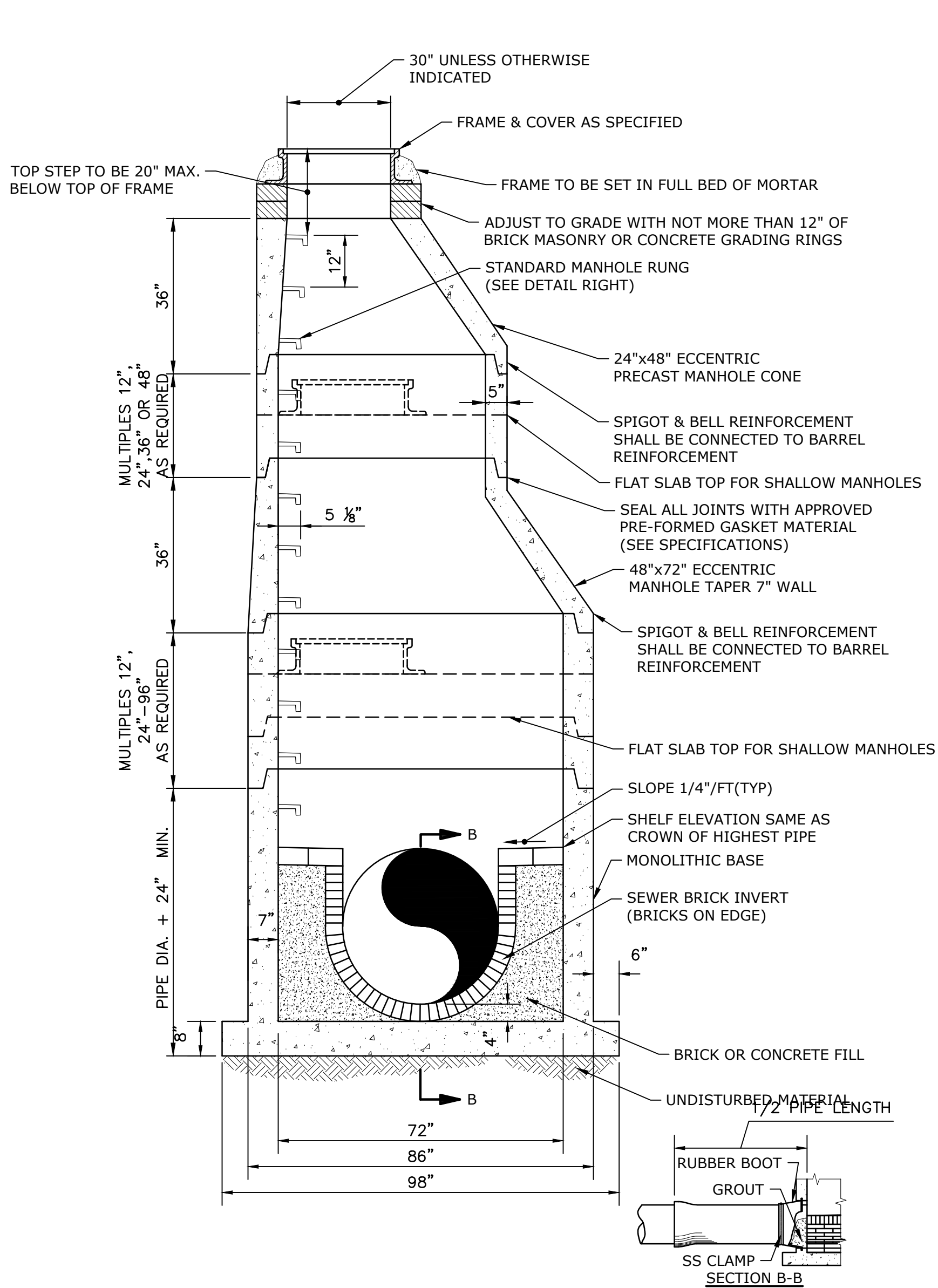
SHEET 3 OF 6



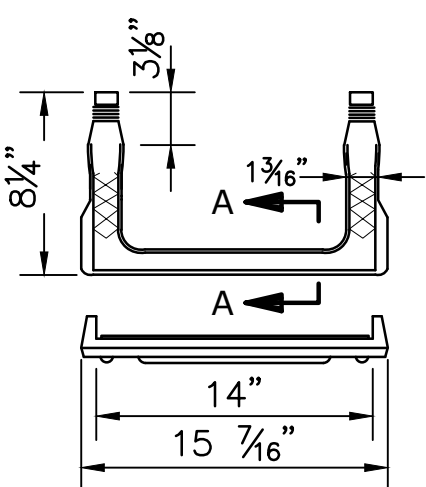
2. LOCATIONS OF PROPOSED SANITARY SEWER MAINS, SANITARY SEWER SERVICES, STORM DRAINS, AND STRUCTURES ARE APPROXIMATE AND MAY BE ADJUSTED DURING CONSTRUCTION AFTER INVESTIGATIVE WORK. FINAL SANITARY SEWER MAIN/STORM DRAIN LOCATIONS, AND ASSOCIATED STRUCTURES, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ADJUSTMENTS TO THE PROPOSED SANITARY SEWER/STORM DRAIN LAYOUTS AND ELEVATIONS SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL PAYMENTS. THE CONTRACTOR SHALL NOT MAKE PROPOSED SANITARY SEWER/ STORM DRAIN LAYOUT AND ELEVATION ADJUSTMENTS WITHOUT APPROVAL FROM THE ENGINEER.
3. MANHOLES SHALL BE 48-INCH DIAMETER, UNLESS NOTED OTHERWISE.
4. PROPOSED SANITARY SEWER SERVICE LATERALS SHALL BE 6-INCH DIAMETER PVC, UNLESS NOTED OTHERWISE, AND INSTALLED FROM THE PROPOSED SANITARY SEWER MAIN TO THE PROPERTY LINE FOR EACH PROPERTY IDENTIFIED AS REQUIRING A SANITARY SEWER SERVICE ON THE DRAWINGS.
5. MINIMUM PITCH FOR BUILDING SERVICE PIPES SHALL BE ¼ INCH PER FOOT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. DISTANCES AND SLOPES OF PROPOSED SANITARY SEWERS/STORM DRAINS ARE BASED ON DISTANCES FROM CENTERLINE TO CENTERLINE OF STRUCTURES.
7. DELIVER EXISTING FRAMES, COVERS AND GRATES OF STRUCTURES TO BE REMOVED TO THE DEPARTMENT OF PUBLIC WORKS YARD OR OTHER LOCATION DESIGNATED BY THE OWNER.
8. ACTUAL LOCATION OF PROPOSED SANITARY SEWER/STORM DRAIN TERMINAL MANHOLES MAY BE ADJUSTED IN THE FIELD BASED ON THE LOCATION OF SANITARY SEWER SERVICE CONNECTIONS.
9. MAINTAIN UNINTERRUPTED SANITARY SEWER SERVICE DURING CONSTRUCTION. PROVIDE BYPASS PUMPING OF SEWAGE FLOWS AND/OR TEMPORARY CONNECTIONS, AS NECESSARY.
10. MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF AT LEAST 10 FEET FROM ANY EXISTING OR PROPOSED WATER MAIN. IF SITE CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, A LESSER DISTANCE WILL BE ALLOWED IF THE SANITARY SEWER/STORM DRAIN IS CONSTRUCTED IN A SEPARATE TRENCH WITH THE TOP OF THE SANITARY SEWER/ STORM DRAIN AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN.
11. WHENEVER A PROPOSED SANITARY SEWER/STORM DRAIN MUST CROSS A WATER MAIN, CONSTRUCT THE SANITARY SEWER SO THE TOP OF THE SANITARY SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. THE SANITARY SEWER JOINTS SHALL BE EQUIDISTANT AND LOCATED AS FAR AWAY AS POSSIBLE FROM THE WATER MAIN JOINTS. WHEN THE PROPOSED SANITARY SEWER CANNOT MEET THE ABOVE REQUIREMENTS, ENCASE THE PROPOSED SANITARY SEWER IN CONCRETE.
12. SMH-11 SHALL BE TEMPORARILY CONNECTED TO SMH-4 UNTIL ALL SEWER FLOW HAS BEEN DIRECTED INTO THE PROPOSED SEWER MAIN. ONCE ALL PIPE IS INSTALLED, TESTED, AND PUT INTO SERVICE, ABANDON THE INVERT INTO SMH-4 FROM SMH-11.



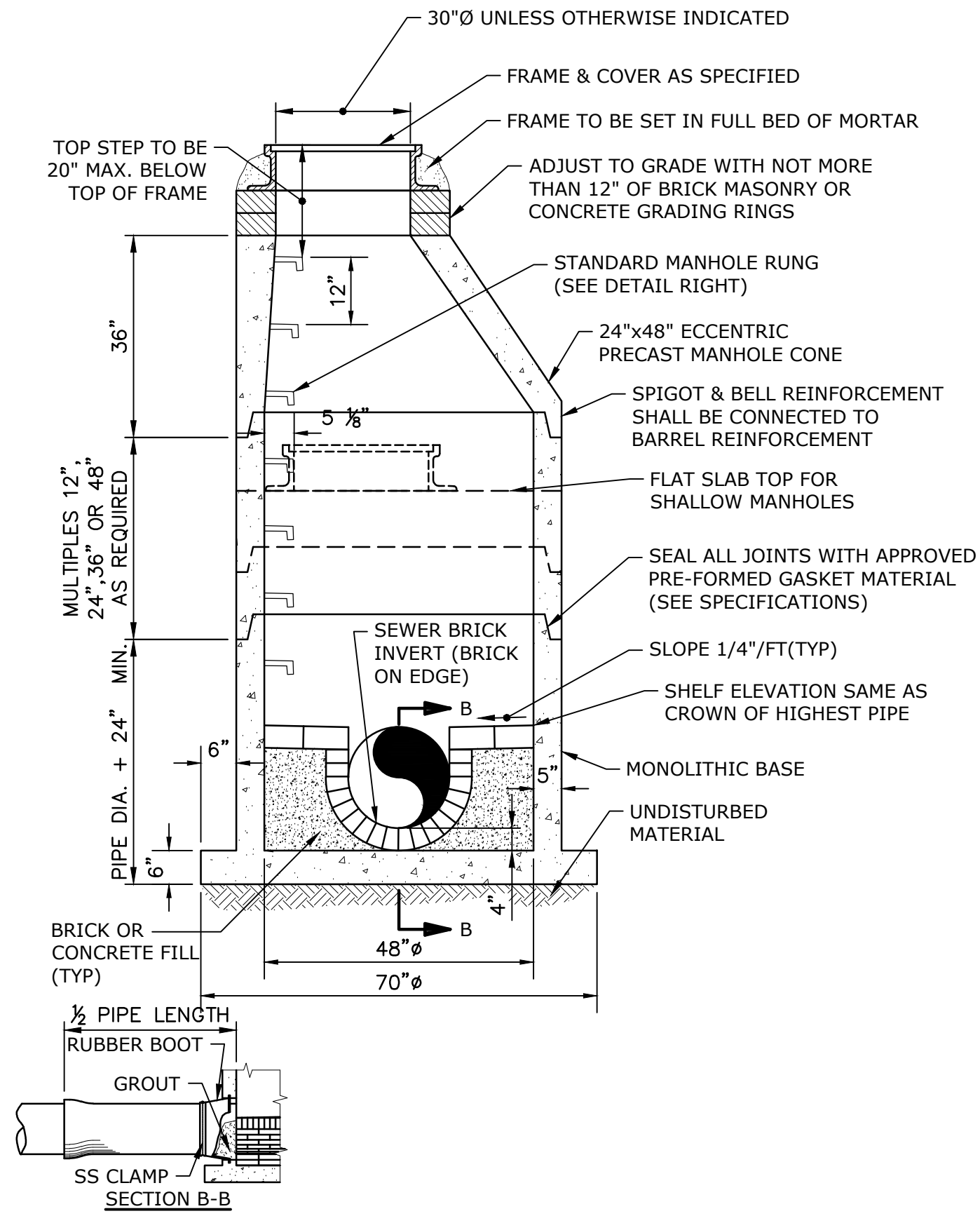
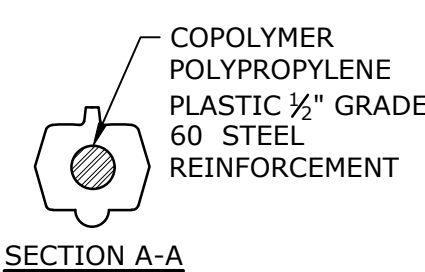
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Plotted On: Dec 20, 2023 11:33am
Tighe & Bond\23\A\5000 Agawam\05 Main St Interceptor Relocation\Drawings Figures\AutoCAD\Sheet\A5000-005 Details.dwg



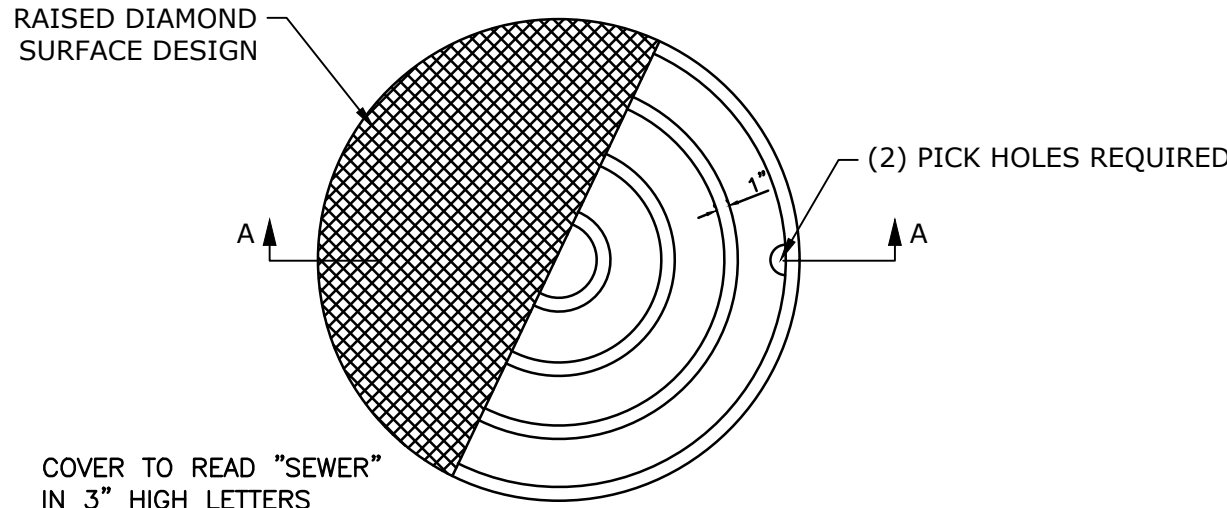
72" PRECAST SANITARY SEWER MANHOLE
NO SCALE



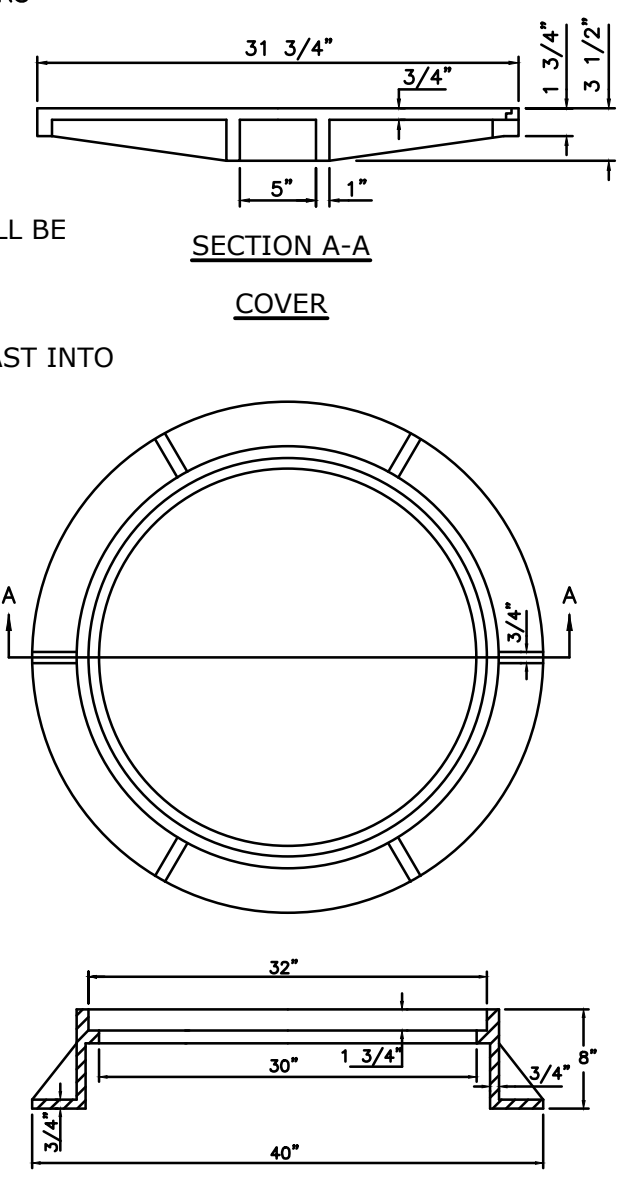
STANDARD MANHOLE RUNG
NO SCALE



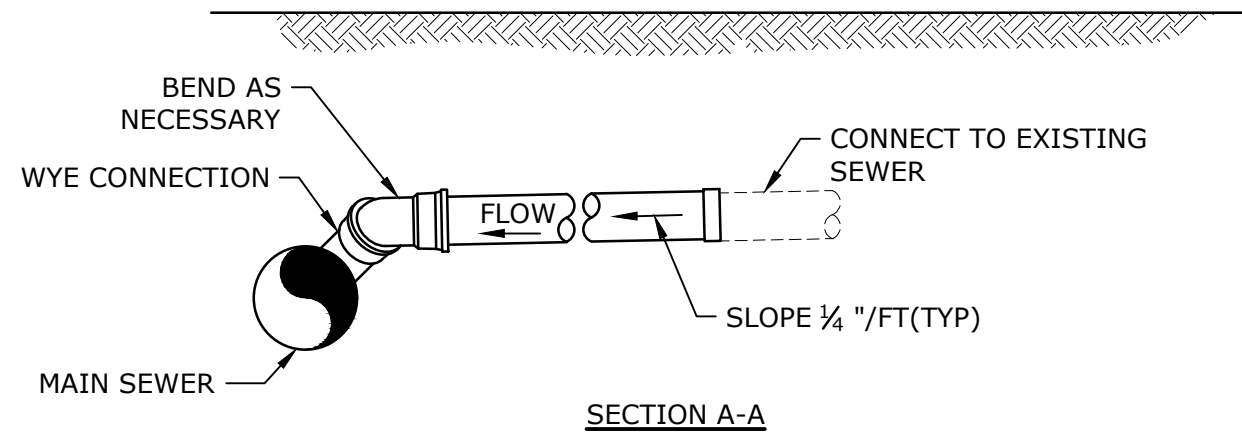
48" PRECAST SANITARY SEWER MANHOLE
NO SCALE



- NOTES:
1. FRAME AND COVER SHALL BE PROVIDED BY THE SAME MANUFACTURER.
 2. LETTERING SHALL BE CAST INTO COVERS AS SPECIFIED.

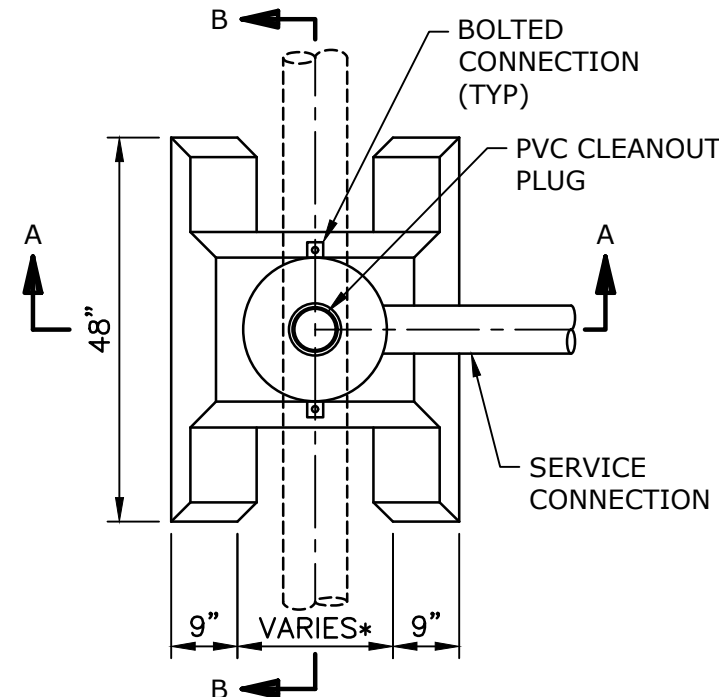


30" SEWER MANHOLE FRAME AND COVER
NO SCALE



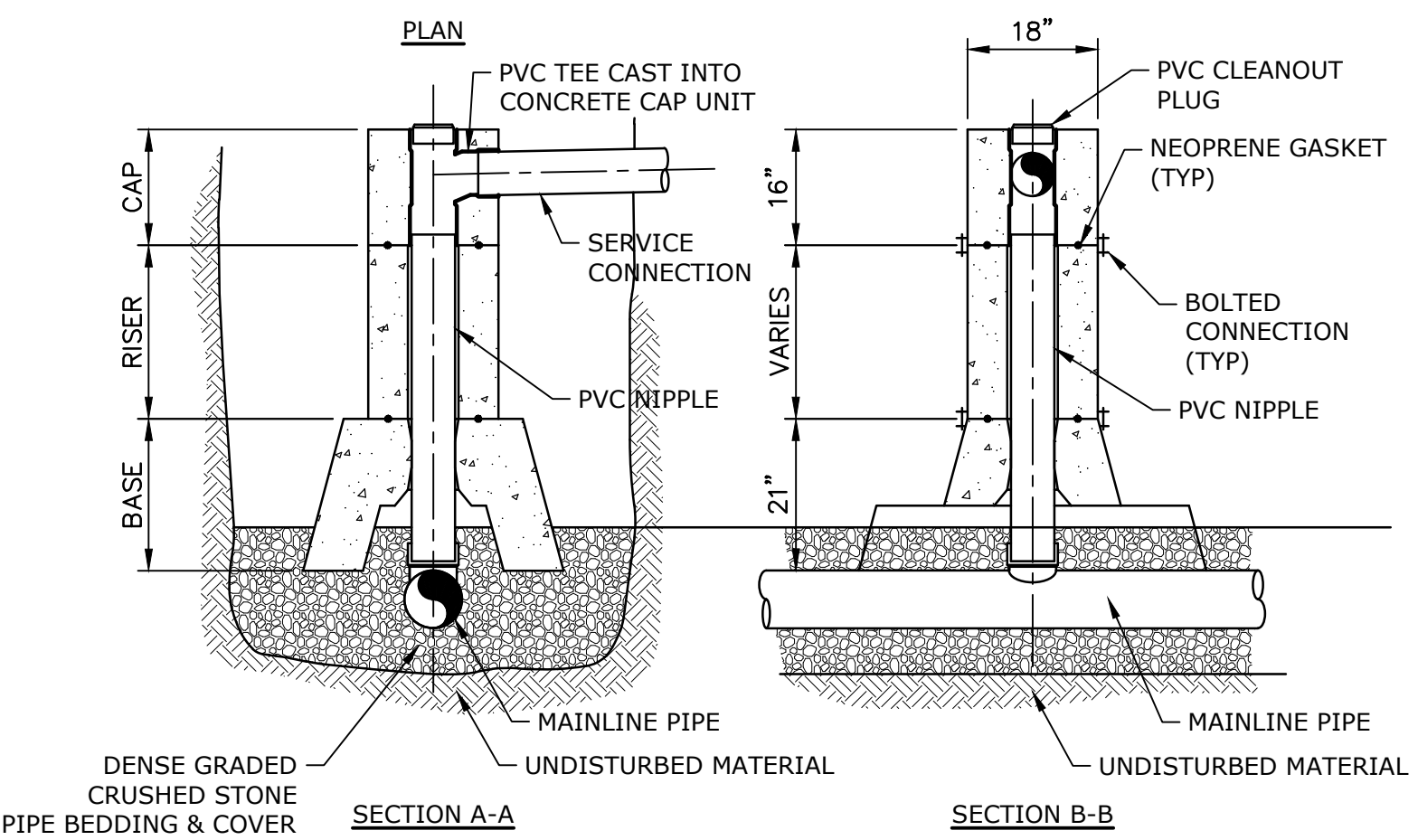
- NOTES:
1. MINIMUM PITCH FOR SERVICE LATERALS IS 1/4" PER FOOT.
 2. LOCATIONS OF SERVICE LATERALS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 3. THIS DETAIL IS APPLICABLE FOR SEWER MAIN PIPE DIAMETERS UP TO 27". FOR LARGER PIPE THE CONTRACTOR SHALL PROVIDE 6" CONNECTION WITH SADDLE AND TAP.

SANITARY SERVICE LATERAL
NO SCALE



- NOTES:
1. CONCRETE STRENGTH SHALL BE 5000 PSI AT 28 DAYS.
 2. REINFORCING STEEL PER ASTM A615
 3. FILL VOID BETWEEN PIPE AND CHIMNEY WITH BEDDING MATERIAL.
 4. THE SERVICE CHIMNEY SHALL TRANSFER LOADS AT THE TOP OF THE CAP AWAY FROM THE MAINLINE PIPE.

*-WIDTHS:
18" FOR MAINLINE PIPE THRU 15" DIA
30" FOR MAINLINE PIPE >30" DIA



SERVICE CHIMNEY
NO SCALE

**PLAN SET
ISSUE TITLE**

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CONSTRUCTION PURPOSES.

**Westfield
River
Interceptor
Sewer
Relocation
Project**

Department of
Public Works

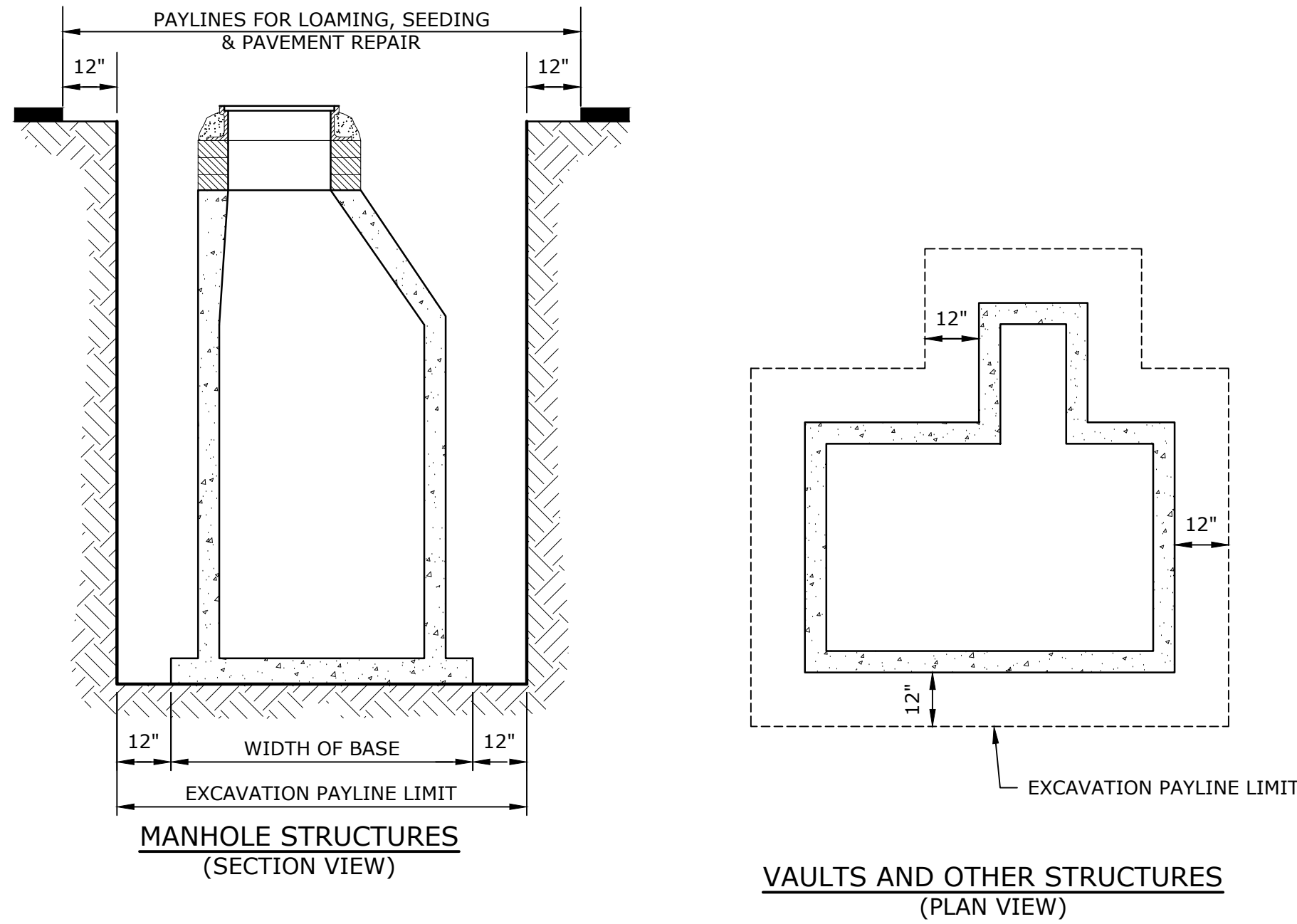
Agawam,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	A5000-005	
DATE:	DECEMBER 2023	
FILE:	A5000-005 Details.dwg	
DRAWN BY:	LMK	
DESIGNED/CHECKED BY:	MAK	
APPROVED BY:	DJP	

SEWER DETAILS

SCALE: AS SHOWN

Last Saved: 12/20/2023 11:25am By: LKauffman
Plotted On: Dec 20, 2023 11:25am
Tighe & Bond 231A-05000 Agawam Interceptor Relocation Drawings Figures AutoCAD Sheet A5000-005 Details.dwg



PAYLINES FOR STRUCTURES
NO SCALE

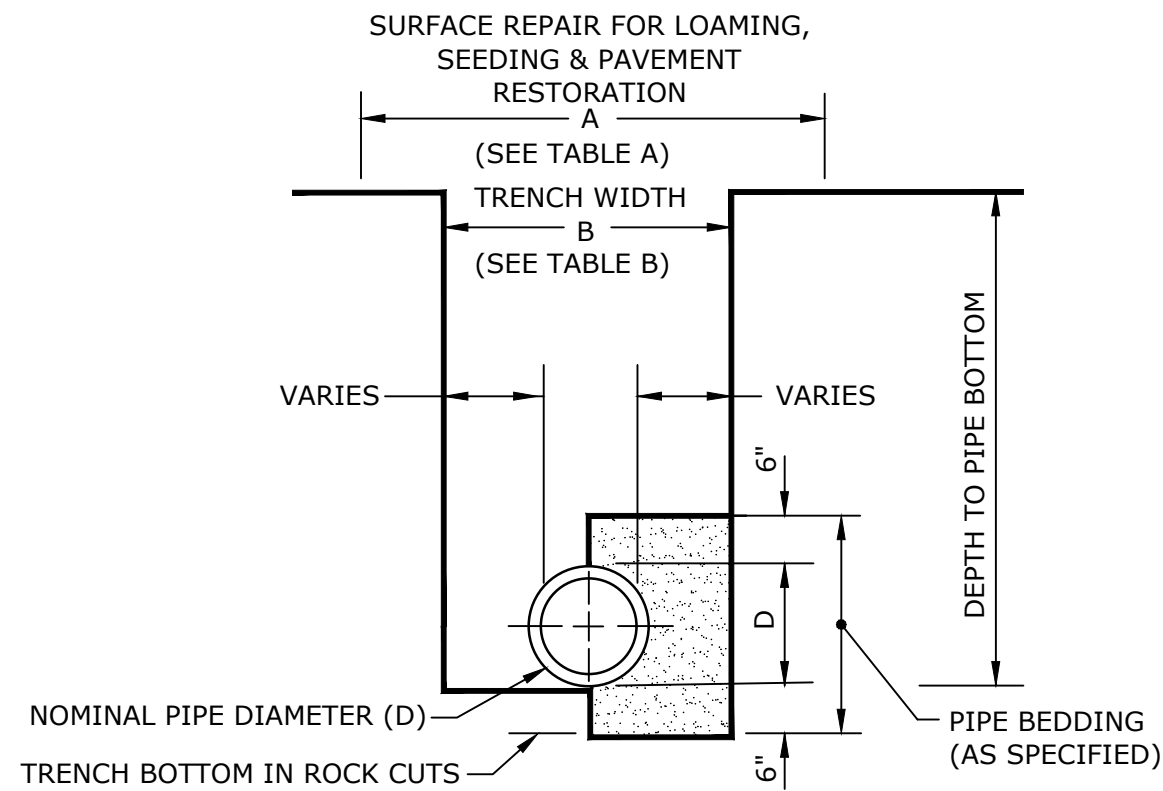
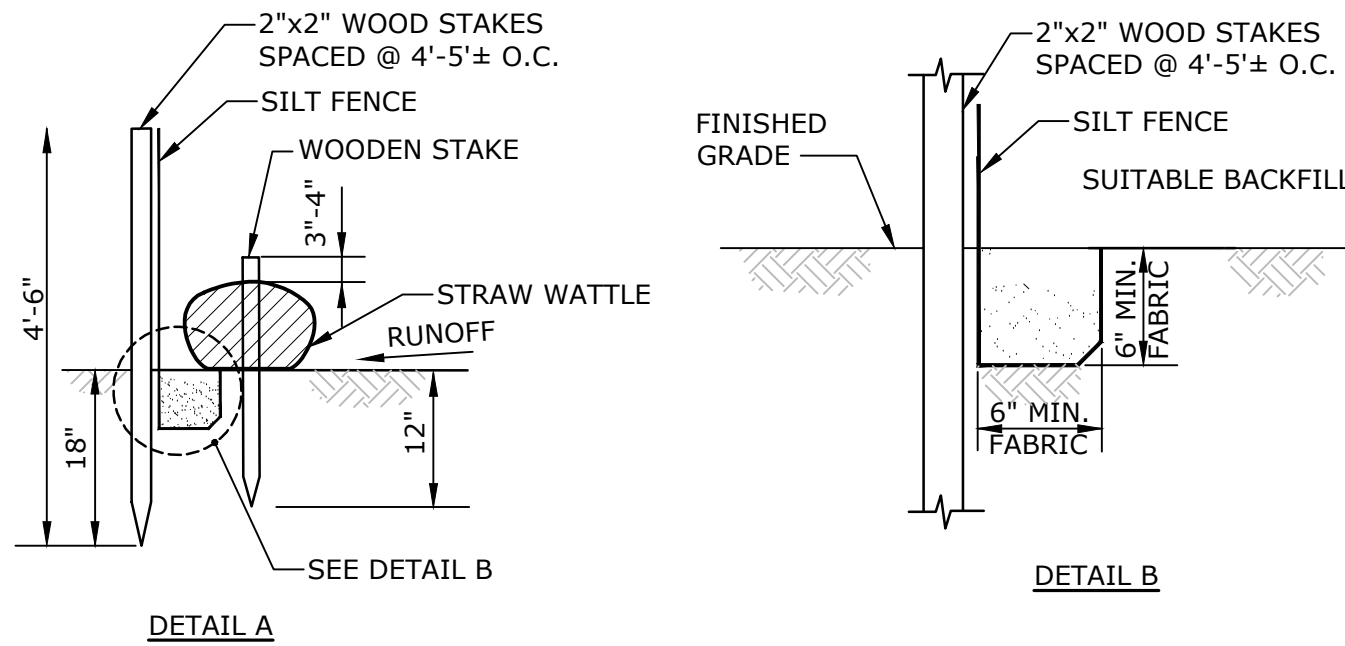


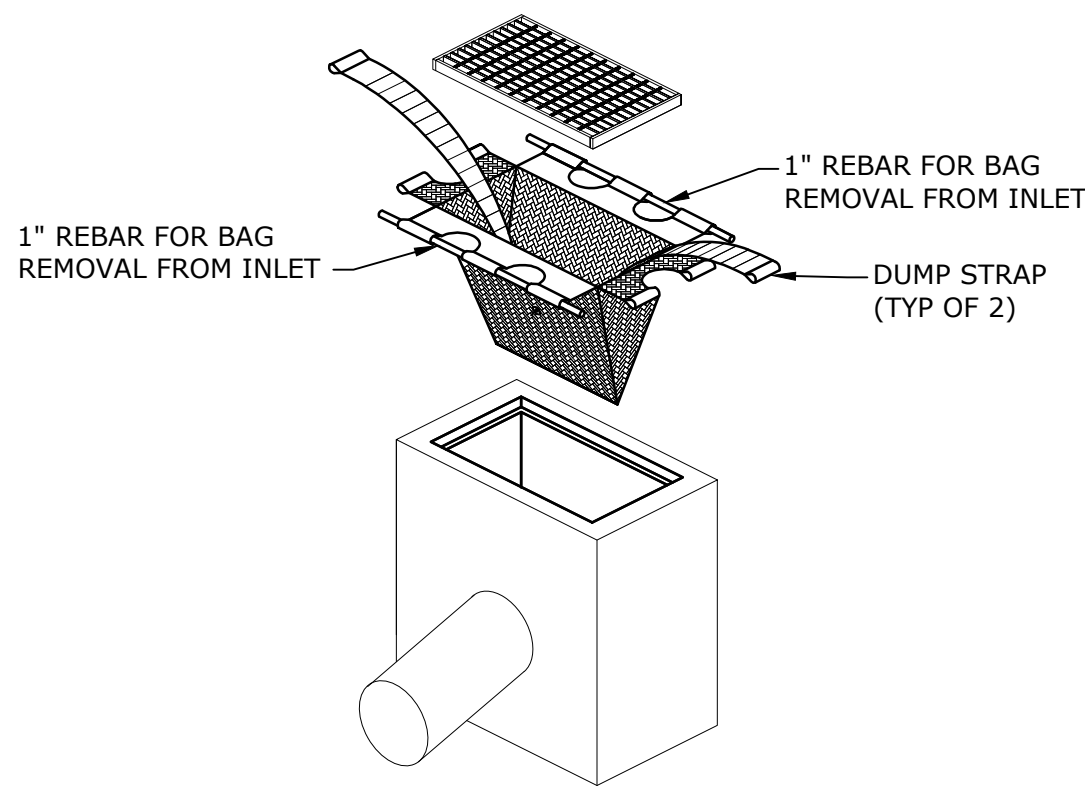
TABLE A - MAXIMUM SURFACE REPAIR PAY WIDTHS (SEE NOTE)			
OUTSIDE PIPE DIAMETER 0 - 24"		OUTSIDE PIPE DIAMETER GREATER THAN 24"	
TEMPORARY PAVEMENT 6'-6" MAX.	PERMANENT PAVEMENT & LOAMING & SEEDING 8'-6" MAX.	TEMPORARY PAVEMENT D + 4'-0" MAX.	PERMANENT PAVEMENT & LOAMING & SEEDING D + 6'-0" MAX.
TABLE B - MAXIMUM TRENCH EXCAVATION PAY WIDTHS (SEE NOTE)			
OUTSIDE PIPE DIAMETER 0 - 24"		OUTSIDE PIPE DIAMETER GREATER THAN 24"	
5'-0"		D + 3'-0"	

- NOTES:
1. THE PAYLINE DIMENSIONS SHOWN REPRESENT THE MAXIMUM PAYLINE LIMITS TO BE PAID. WHEN THE ACTUAL SURFACE REPAIR OR TRENCH WIDTH IS LESS, THE ACTUAL WIDTH SHALL BE PAID FOR AT THE APPLICABLE UNIT PRICE.
 2. TRENCH SURFACE REPAIR WIDTH SHALL BE 6'-6" MAX. FOR PIPES 0"-24" DIAMETER AND D+4'-0" MAX FOR PIPES GREATER THAN 24" DIAMETER.
 3. INCLUDES TEMPORARY PAVEMENT PATCHES FOR SIDEWALKS AND DRIVEWAYS.
 4. INCLUDES PERMANENT REPAIRS FOR DRIVEWAYS, SIDEWALKS, LAWN AREAS (LOAM & SEED), BERMS AND CURBS.

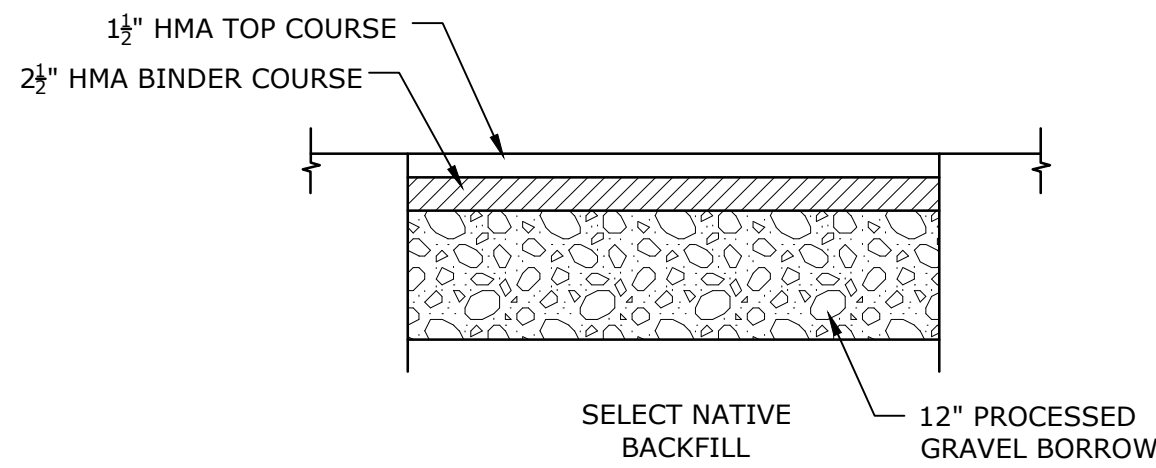
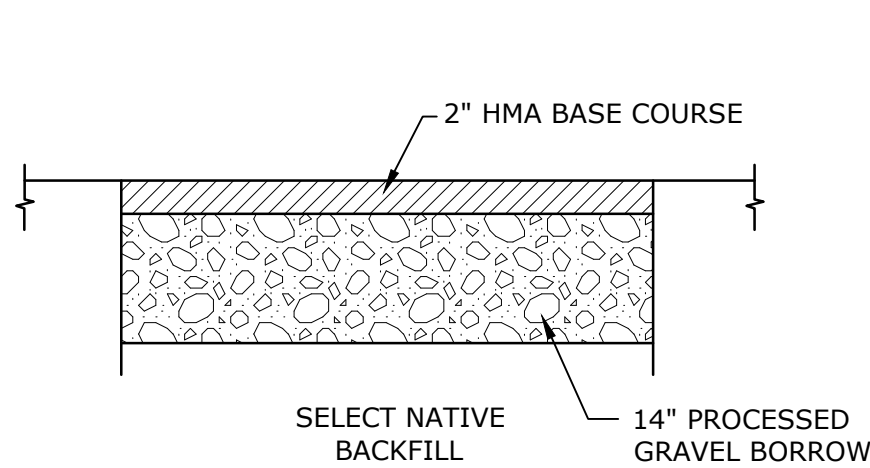
TRENCH EXCAVATION AND SURFACE REPAIR PAYLINES



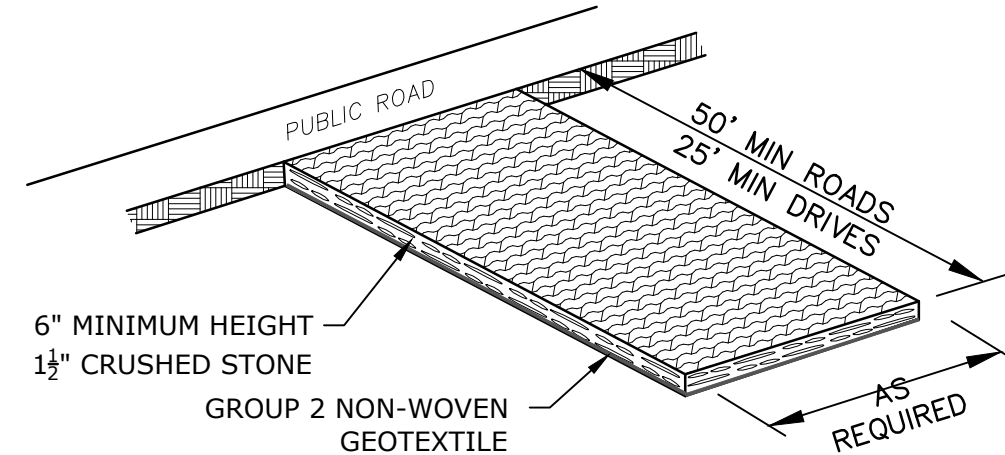
EROSION CONTROL BARRIER - STRAW WATTLES
NO SCALE



- NOTES:
1. "SILT SACKS", "DANDY BAG II," "BLOCKSON & CO. NATURAL FIBER INLET FILTER MAT" OR OTHER SIMILAR SILT RETENTION DEVICE SHALL BE INSTALLED IN LIEU OF HAY BALES FOR CATCH BASINS LOCATED IN EXISTING PAVED AREAS.

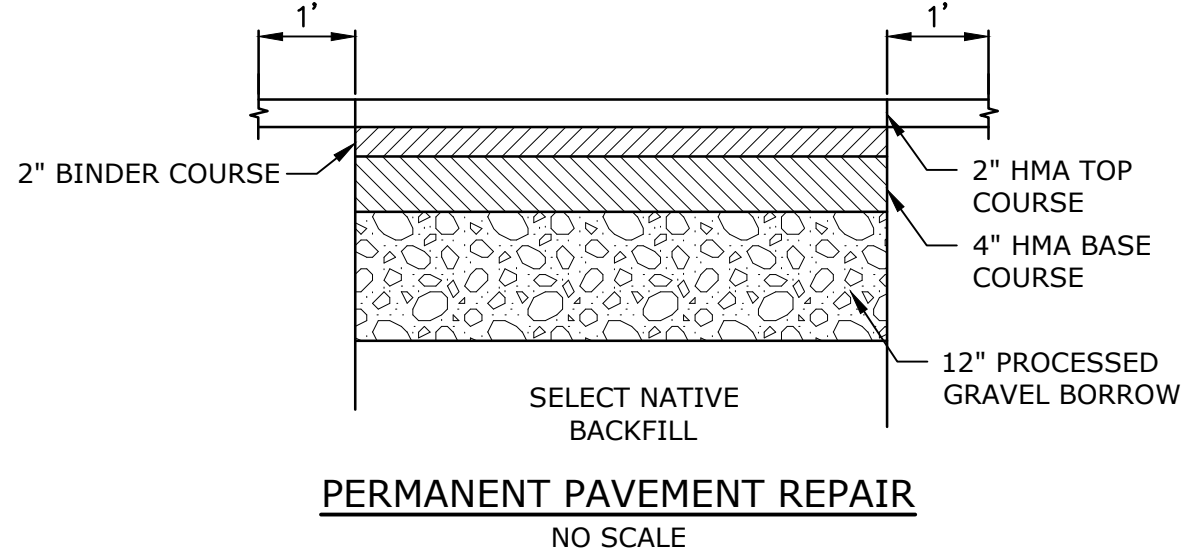
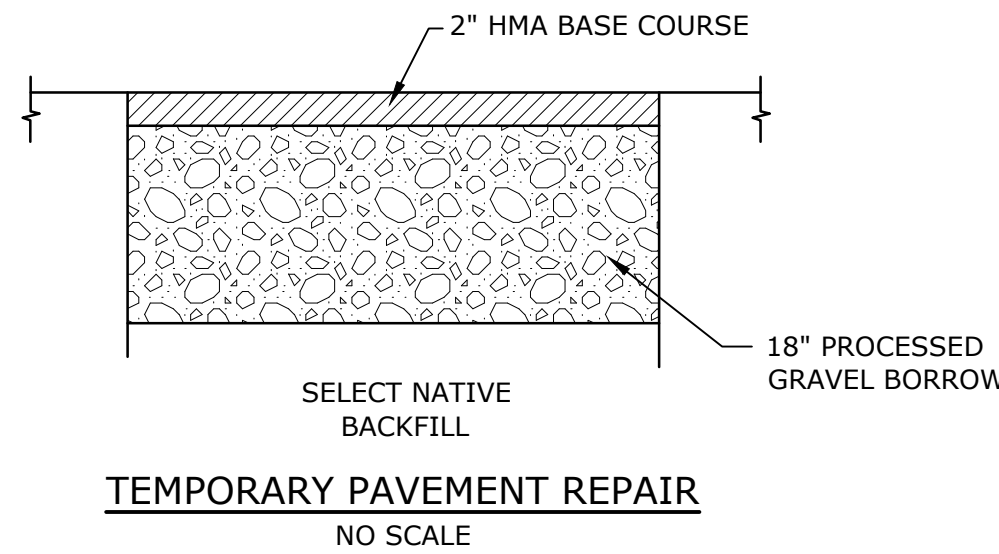


OLD MEADOW ROAD SURFACE RESTORATION

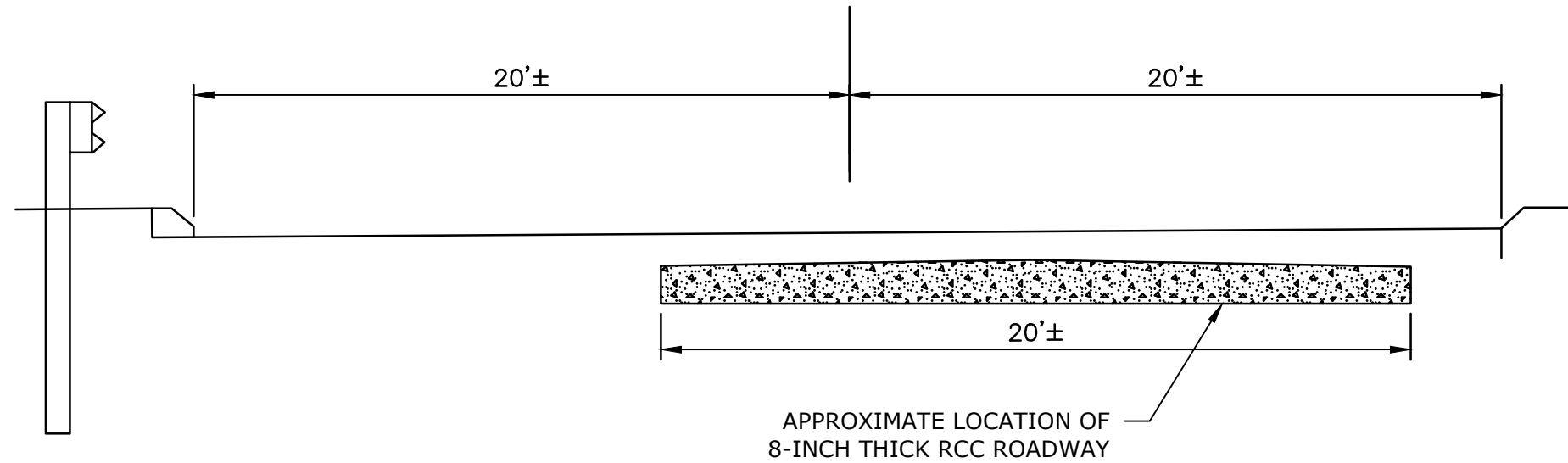


- NOTES:
1. REMOVE AND RESTORE FOLLOWING CONSTRUCTION.

TEMPORARY CONSTRUCTION ENTRY PAD
NO SCALE



MAIN STREET SURFACE RESTORATION



- NOTES:
1. REINFORCED CONCRETE ROAD BASE REMOVAL SHALL BE LIMITED TO THE SURFACE REPAIR PAYLINES OF 6.5' WIDTH

MAIN STREET ROADWAY CROSS SECTION
NO SCALE

PLAN SET
ISSUE TITLE

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Westfield
River
Interceptor
Sewer
Relocation
Project

Department of
Public Works

Agawam,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:		A5000-005
DATE:		DECEMBER 2023
FILE:		A5000-005 Details.dwg
DRAWN BY:		LMK
DESIGNED/CHECKED BY:		MAK
APPROVED BY:		DJP

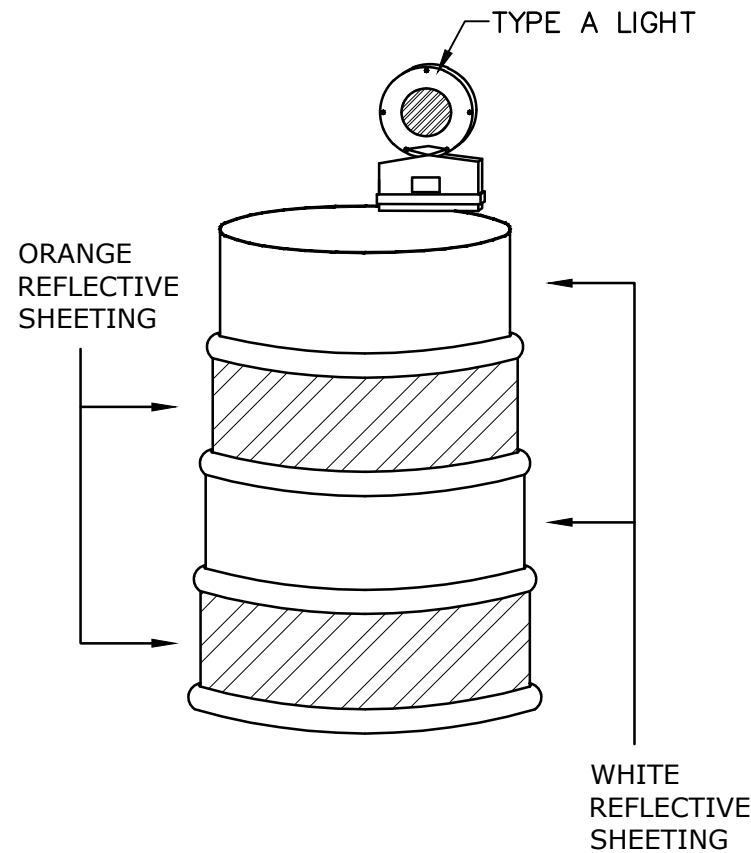
MISCELLANEOUS DETAILS

SCALE: AS SHOWN

C-202

SHEET 5 OF 6

Last Saved: 12/19/2023 10:03am By: LKlaiffman
Plotted On: Dec 19, 2023 10:03am
Figure & Bond 23: A5000-005 Agawam 002 Main St Interceptor Relocation Drawings Figures AutoCAD Sheet A5000-005 Traffic Control Details.dwg



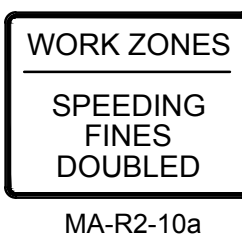
NOTES:

1. DRUM DESIGN AND APPLICATION SHALL BE AS PER THE CURRENT EDITION OF THE MUTCD.
2. DRUMS SHALL BE APPROXIMATELY 36" IN HEIGHT, HAVING A MINIMUM WALL THICKNESS OF 3/32" AND A MINIMUM DIAMETER OF 18" REGARDLESS OF ORIENTATION.
3. DRUM MATERIAL MUST BE APPROVED UV RESISTANT, LOW DENSITY, IMPACT RESISTANT, LINEAR POLYETHYLENE (OR APPROVED EQUIVALENT).
4. SHEETING SHALL BE APPROVED ORANGE AND WHITE TYPE IV REFLECTORIZED SHEETING CONFORMING TO M.9.30.0.
5. ALL DRUMS SHALL BE WELL MAINTAINED INCLUDING REMOVAL OF DUST OR ROAD FILM, SO AS NOT TO REDUCE REFLECTIVE EFFICIENCY. WHEN A DRUM LOSES TARGET VALUE IT SHALL BE REPLACED.
6. STORE UNUSED DRUMS IN ONE LOCATION, AWAY FROM ALL TRAFFIC, OR REMOVE FROM SITE ENTIRELY.

PLASTIC DRUMS

LEGEND

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- P/F POLICE/FLAGGER DETAIL
- TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- ARROW BOARD
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR
- MEDIAN BARRIER
- MEDIAN BARRIER WITH WARNING LIGHTS
- WORK VEHICLE
- TRUCK MOUNTED ATTENUATOR
- TRAFFIC OR PEDESTRIAN SIGNAL
- SIGN
- CHANNELIZING DEVICE BARREL



R2-10
60"x48"

WORK ZONE LIMIT SIGNS

SEE NOTE 12

SPEED LIMIT (S)	TAPER LENGTH (L) FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

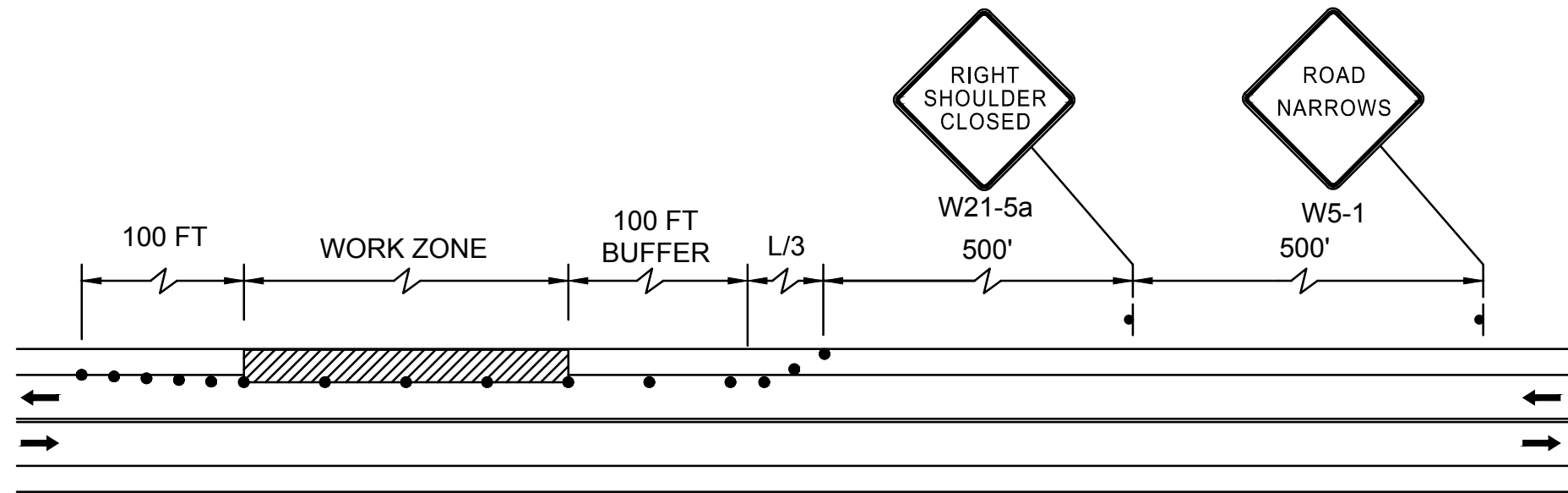
WHERE:

L = TAPER LENGTH IN FEET

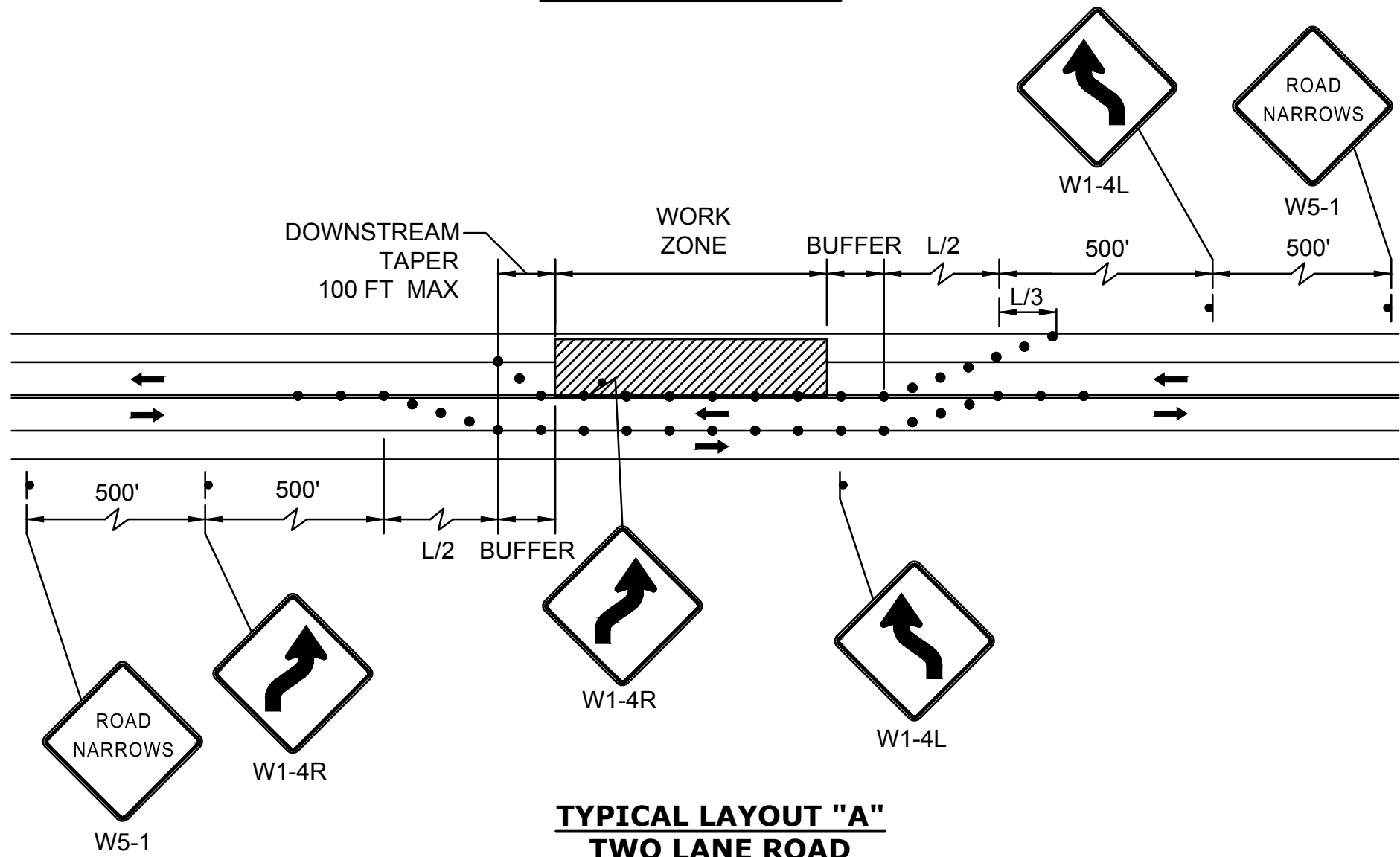
W = WIDTH OF OFFSET IN FEET

S = POSTED SPEED LIMIT, OR
OFF-PEAK 85TH-PERCENTILE
SPEED PRIOR TO WORK STARTING,
OR THE ANTICIPATED OPERATING
SPEED IN MPH

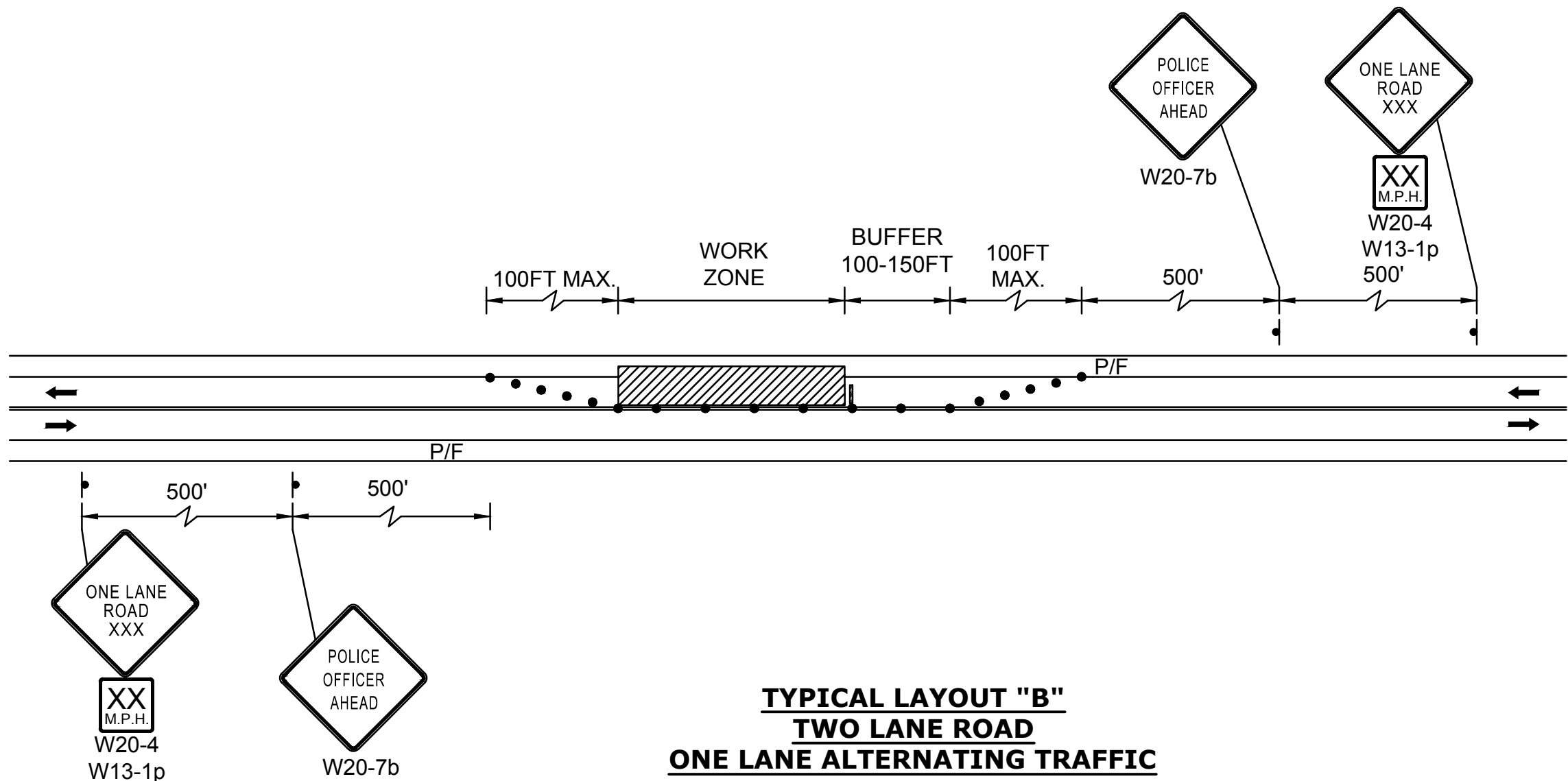
FORMULAS FOR DETERMINING TAPER LENGTHS



TWO LANE ROAD SHOULDER CLOSED



TYPICAL LAYOUT "A" TWO LANE ROAD SHOULDER AND TRAVEL LANE CLOSED



TYPICAL LAYOUT "B" TWO LANE ROAD ONE LANE ALTERNATING TRAFFIC

GENERAL NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
2. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
6. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
7. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
8. MINIMUM LANE WIDTH IS TO BE 10 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
9. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
10. SIGN MA-R2-10a AND MA-R2-10e SHALL BE LOCATED AT THE PROJECT LIMITS FOR THE DURATION OF THE WORK.
11. ALL WARNING SIGNS SHALL BE BLACK LEGEND ON A REFLECTIVE ORANGE BACKGROUND.
12. TYPICAL LAYOUTS:
"A" SHALL BE USED WHEN THE TRAVEL WIDTH FROM THE CHANNELING DEVICES TO THE EDGE OF PAVEMENT IS GREATER THAN 22 FEET.
TYPICAL LAYOUT "B" SHALL BE USED WHEN THE TRAVEL WIDTH FROM THE CHANNELING DEVICES TO THE EDGE OF PAVEMENT IS LESS THAN 22 FEET.
13. FOR TYPICAL LAYOUT B THE CONTRACTOR SHALL MAINTAIN ONE OPEN TRAVEL LANE OF NOT LESS THAN 12 FEET AT ALL TIMES.
14. THE WORK ZONE AS SHOWN ON THESE PLANS IS REPRESENTATIVE ONLY AND MAY VARY IN BOTH LENGTH AND LOCATION AS CONSTRUCTION PROGRESSES. REGARDLESS OF THESE VARIATIONS, THE OFFSET DISTANCES TO THE TRAFFIC CONTROL DEVICES SHOWN SHALL BE MAINTAINED.
15. NO CONSTRUCTION EQUIPMENT OR MATERIALS (EXCEPT THOSE IN USE) SHALL BE STORED CLOSER THAN 8 FEET TO THE EDGE OF TRAVELED LANES.
16. THE NUMBER AND LOCATION OF ALL SIGNS AND DEVICES SHALL BE AS DEEMED NECESSARY BY THE ENGINEER AND POLICE DEPARTMENT FOR THE SAFE AND EFFICIENT PERFORMANCE OF THE WORK AND THE SAFETY OF THE TRAVELING PUBLIC. ALL WARNING DEVICES SHALL BE SUBJECT TO REMOVAL, REPLACEMENT AND/OR REPOSITIONING BY THE CONTRACTOR AS OFTEN AS DEEMED NECESSARY BY THE ENGINEER.
17. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. IF IT BECOMES NECESSARY FOR SAID TRENCH TO BE LEFT OVERNIGHT, THEN IT SHALL BE COVERED WITH STEEL PLATES AT THE APPROVAL OF THE OWNER.
18. ALL SIGNS AND SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH MASSDOT STANDARDS.
19. REFLECTORIZED DRUMS SHALL REMAIN IN PLACE DURING CONSTRUCTION ACTIVITIES AND/OR WHEN A ROADSIDE HAZARD EXISTS. ANY REFLECTORIZED DRUMS REQUIRED TO REMAIN IN PLACE DURING DARKNESS SHALL BE EQUIPPED WITH STEADY BURN (TYPE C) PER MUTCD.
20. ALL DISTANCES SHOWN ARE MINIMUM AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS, WITH APPROVAL OF THE ENGINEER.
21. DAYTIME WORK ZONE SIGNAGE SHALL BE COVERED OR REMOVED AT THE END OF EACH WORK DAY.
22. DURING ALL CONSTRUCTION ACTIVITIES ON THE ROADWAYS INCLUDING EARTHWORK AND GRADING, A MINIMUM OF ONE LANE ALTERNATING TRAFFIC FLOW SHALL BE MAINTAINED.
23. FULL ROADWAY WIDTH MUST BE RETURNED AT THE END OF EACH WORK DAY.
24. ONE LANE TRAFFIC FLOW SHALL BE REQUIRED DURING ALL OPERATIONS WHICH REDUCE DRIVE LANE(S) LESS THAN 12'.
25. HALF WIDTH CONSTRUCTION METHODS SHALL BE UTILIZED FOR ROAD RECLAMATION, BASE PREPARATION, AND PAVING OPERATIONS.
26. AS CONSTRUCTION OPERATIONS CHANGE, SO SHALL WARNING SIGNS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND ARRANGING SIGNS AS CONSTRUCTION VARIES AND PROCEEDS.

Tighe&Bond

PLAN SET ISSUE TITLE

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Westfield River Interceptor Sewer Relocation Project

Department of
Public Works

Agawam,
Massachusetts

MARK	DATE	DESCRIPTION
PROJECT NO:	A5000-005	
DATE:	DECEMBER 2023	
FILE:	A5000-005 Traffic Control Details.dwg	
DRAWN BY:	LMK	
DESIGNED/CHECKED BY:	MAK	
APPROVED BY:	DJP	

TRAFFIC CONTROL DETAILS

SCALE: NO SCALE

C-203

SHEET 6 OF 6

APPENDIX C

Appendix C - Photographic Log

Client: Town of Agawam

Job Number: A-5000-005

Westfield River Interceptor Sewer Relocation Project

Site: Main Street, Agawam, Massachusetts

Photograph No.: 1	Date: 2/2/2024	Direction Taken: Northeast
Description: View of vegetation southeast of Cooper’s Gifts that will be cleared for construction of the relocated sewer main and new sewer manhole #4.		
		

Photograph No.: 2	Date: 2/2/2024	Direction Taken: North
Description: View of south corner of Cooper’s Gifts where existing septic system will tie into the relocated sewer main.		
		

Appendix C - Photographic Log

Client: Town of Agawam

Job Number: A-5000-005

Westfield River Interceptor Sewer Relocation Project

Site: Main Street, Agawam, Massachusetts



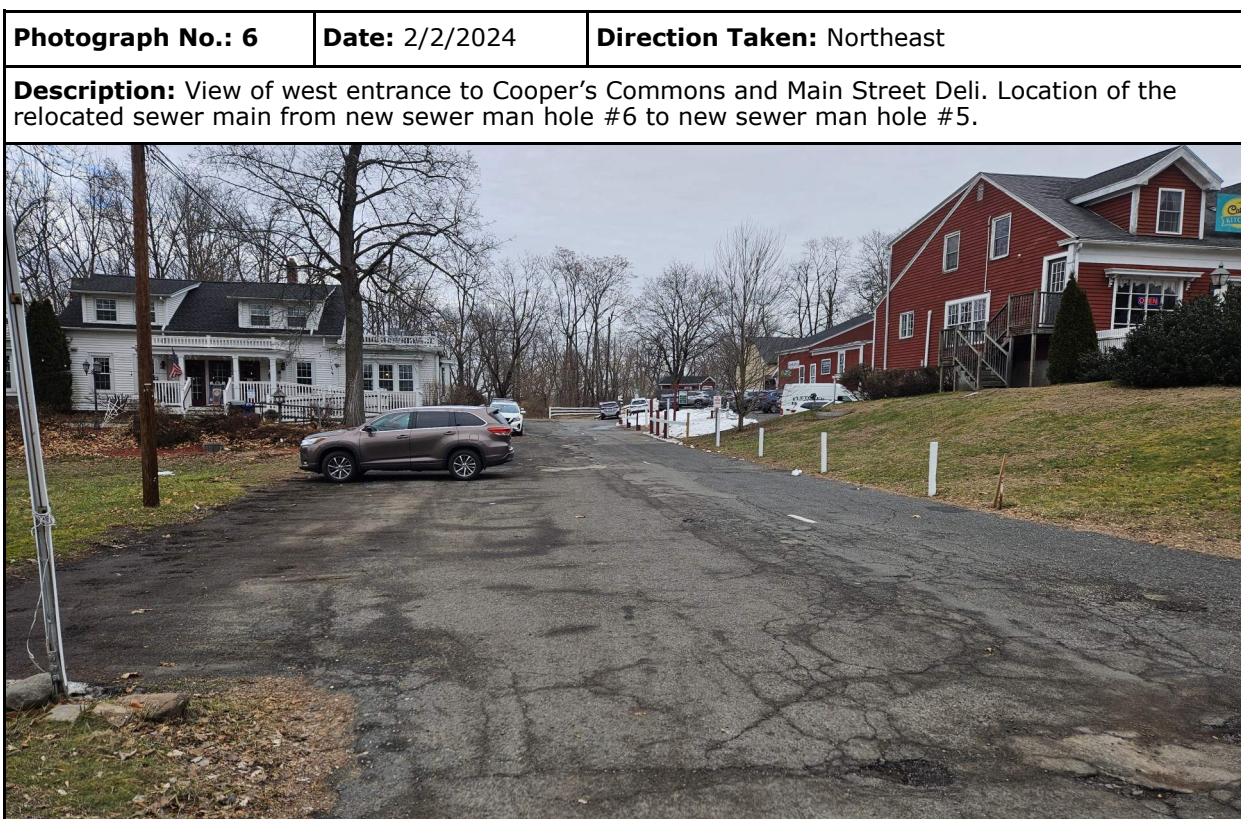
Appendix C - Photographic Log

Client: Town of Agawam

Job Number: A-5000-005

Westfield River Interceptor Sewer Relocation Project

Site: Main Street, Agawam, Massachusetts



Appendix C - Photographic Log

Client: Town of Agawam

Westfield River Interceptor Sewer Relocation Project

Site: Main Street, Agawam, Massachusetts

Job Number: A-5000-005

Photograph No.: 7	Date: 2/2/2024	Direction Taken: Southwest
Description: View of west entrance to Cooper's Commons and Main Street Deli. Location of the relocated sewer main and new sewer manhole #5 (note sewer manhole #7 in right of photo).		
		

Photograph No.: 8	Date: 2/2/2024	Direction Taken: East
Description: View of sewer manhole #9 which will be decommissioned after construction of the new sewer line.		
		

APPENDIX D

TABLE D-1

Parcels within 100 Feet of Project Locus (Parcels: K14 2 3, K14 2 4, and K14 2 5)

ID	Address	Owner	Owner Address	Owner City	Owner State	Owner Zip
K14 1 3	12 Federal Street	Cicia Joshua A	12 Federal Street	Agawam	MA	01001
K14 1 4	140 Main Street	Frogameni Marlow Tust	140 Main Street	Agawam	MA	01001
K14 2 2	137 Main Street	Wheeler Kimberly	137 Main Street	Agawam	MA	01001
K14 2 3	141 Main Street	Ricom, LLC	141 Main Street	Agawam	MA	01001
K14 2 4	159 Main Street	Cooper's Commons LLC	159 Main Street	Agawam	MA	01001
K14 2 5	175 Main Street	Carando Gourmet Frozen Foods Corp	175 Main Street	Agawam	MA	01001
K14 2 6	197 Main Street	McLean Realty Co	197 Main Street	Agawam	MA	01001
K14 2 8	233 Main Street	HP Hood Inc	6 Kimball Lane	Lynnfield	MA	01940
K14 3 3	184 Main Street	Agawam Funeral Home Inc	184 Main Street	Agawam	MA	01001
K14 3 4	158 Main Street	170 Main Street LLC	3640 Main Street, Suite 304	Springfield	MA	01107

NOTIFICATION TO ABUTTERS – PUBLIC HEARING

As required by the Massachusetts Wetlands Protection Act

In accordance with the second paragraph of the Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is: The Town of Agawam, Department of Public Works.
- B. The applicant has filed a Notice of Intent (NOI) with the Conservation Commission for the municipality of Agawam seeking permission to alter an Area Subject to Protection or within 100 feet of an area Subject to Protection, under the Massachusetts Wetlands Protection Act (MA WPA; M.G.L. Chapter 131 § 40).
- C. The proposed work will involve relocating a section of existing cross-country sewer main that runs behind a failing slope along the southern bank of the Westfield River. The proposed sewer alignment is approximately 870 feet long and passes through private property between 141, 159, and 175 Main Street.
- D. Copies of the NOI may be examined prior to the hearing at the Agawam Town Hall, 36 Main Street, Agawam, MA 01001, between the hours of 8:30 a.m. to 4:30 p.m. on the following days of the week: Monday through Friday. Please call (413) 786-0400 to verify arrangements.
For more information on the filing or proposed work, call: (413) 572-3224 (Attn: Melissa Coady) between the hours of 8:00 a.m. and 5:00 p.m. on the following days of the week: Monday through Friday. Check One: This is the applicant ☐, representative ☒, or other (specify): ☐.
- E. Copies of the NOI may be obtained from either (check one) the applicant ☐, or the applicant's representative ☒, by calling this telephone number: (413) 572-3224 (Attn: Melissa Coady) between the hours of 8:00 a.m. and 5:00 p.m. on the following days of the week: Monday through Friday.
- F. The public hearing will take place at 6:00 p.m. on Thursday, March 14, 2024, at the Agawam Senior Center, 954 Main Street, Agawam, MA 01001. Information regarding the date, time and place of the public hearing may be obtained from the Agawam Conservation Commission by calling (413) 786-0400, ext. 8737, during the hours listed in D above.

NOTE: Notice of the public hearing, including its date, time and place will be published at least five (5) days in advance.

NOTE: You also may contact the Western Regional Office of the Massachusetts Department of Environmental Protection (MassDEP) for more information about this application or the Wetlands Protection Act. To contact the Western Regional Office of the MassDEP, call (413) 784-1100.



AGAWAM CONSERVATION COMMISSION
January 23, 2025

MEMBERS PRESENT:

Jill Ward, Acting Chair
Magda Galiatsos
Keven Brown
S Page Fallon
Sheryl Becker

MEMBERS ABSENT:

Henry Kozloski, Chairman
Frank Meagher

ALSO PRESENT:

Taryn Egerton
Stefanie Kesecker

Ms. Ward called the meeting to order at 6:00pm.

1. 6:00PM PUBLIC HEARING-NOTICE OF INTENT-180 South West Street-
Western Massachusetts Electric Company dba Eversource Energy

Carlene Eaton and Timothy Grace with Tighe&Bond, and John Ivanisin and David Askew with Eversource Energy were present for this agenda item. Ms. Eaton stated on January 15, 2025, an onsite had occurred with the Commission. Ms. Eaton stated the proposed project is for a “show-up facility” where company vehicles are stored and employees pick up their company vehicles and return at the end of the work day to pick up their personal vehicles. The proposed work at the project site includes interior building renovations, repair of existing gravel driveway area, a gravel laydown lot, and stormwater management improvements. Ms. Eaton stated the parcel is 80.11 acres, and the area of work is 3.7 acres. The proposed improvements include a gravel lay down area, stormwater management improvements, vegetation clearing and grubbing for the lay down area (no trees will be removed), regrading and expansion of the gravel area, and restoration of previously disturbed areas with native plants. These plants include winterberry, arrowwood viburnum, and northern bayberry.

Ms. Eaton stated the stormwater system will treat both the quantity and quality of the stormwater discharge from the gravel laydown area. The sediment forbay will treat the stormwater before entering the bioretention basin. She went on to say there will also be erosion controls in place during construction. She went on to say the proposed projects impact will be a total proposed 23,950 sq. ft. of 100-foot Buffer Zone alteration this includes: 7,230 sq. ft. of vegetation clearing, 1,490 sq. ft. for gravel driveway restoration, and 15,230 sq. ft. for alterations for the stormwater management system.

Ms. Eaton stated the gravel laydown area will be for storage of wires, spools, and utility poles for emergency use only and will be stored on a trailer when present.

Ms. Eaton went on to say the Planning Board had approved the SITE PLAN on August 15, 2024. The Building Inspector issued a Zoning Determination on September 27, 2024, and the submittal of a Special Permit application to the ZBA will be subsequent to the NOI.

Mr. Brown stated during the onsite the flags were true to what was stated on the plan.

Ms. Ward ask how the plants were selected for the bioretention basin. Mr. Grace stated these all plants listed in the Massachusetts Stormwater Handbook as appropriate for planting in a bioretention basin.

Ms. Ward opened the meeting for public comment.

Charlene Waite, 5 Tobacco Farm Road, stated the application refers to 12 Eversource vehicles for Building number 2. Another part of the application refers to 12 Eversource vehicles in the gravel lot. Her concern was to make sure the make number of vehicles was 12 and not 24. Mr. Grace stated there will be 4 Eversource line trucks and up to 8 employee personal vehicles.

Dale Boglish, 202 S. West Street, asked if there was a drainage swale to keep water from coming into his back yard. Mr. Grace stated the sediment forbay. Mr. Boglish stated due to elevations the water pitches his way. Mr. Grace stated there was at least 2 ft. of difference. Mr. Grace then went over the topography. Mr. Boglish stated most of the soil is sandy loam, and what seals the pond, since there will be more runoff. Mr. Grace explained the purpose of the bioretention basin is to mitigate storm events. Mr. Boglish stated Leonard Pond backs up almost 2-1/2 ft. He stated it backs up northerly to the culvert on Barry St. and the culvert at Stillbrook Park. He stated these water issues have always existed. Mr. Grace stated as part of the Massachusetts Stormwater Standards any project being proposed cannot add more runoff than what currently exists. He stated that is why the bioretention basin is being proposed to offset the runoff from the hardpack. Mr. Boglish spoke about the high water table. Mr. Grace stated soil texture and ground water elevation were studied.

Diane Boglish, 202 S. West Street, asked how many times the soil texture and water elevation were studied, as water level fluctuates.

Mr. Grace stated the seasonal high was looked at and it stains the soils. He stated the tests pits were 6-1/2 and 8 ft., and water levels were looked at historically for the highest they have ever been.

Mr. Boglish, 202 S. West Street, expressed his concerns about contaminants coming onto his property. Mr. Grace stated the Building Inspector had requested a trench drain system be installed to prevent contaminants.

Mr. Boglish asked about chemically treated poles being stored onsite. David Askew, Eversource Environmentalist stated the poles are CCA treated which is basic pressure treated wood and there will be no permanent storage of poles on site. Poles may be on the back of a truck for show up, but will not be stored long term. He further explained they would not be in contact with the ground.

Richard Waite, 5 Tobacco Farm Road, stated the Notice of Intent refers to the fuel and management of vehicle within the building. Mr. Grace stated no fuel will be stored in the building. He stated this is a boiler plate document to cover worse case scenarios and is not a direct reflection of what will occur on site. Mr. Grace stated these are federal regulations that have to be included for what-if scenarios.

Aline Stolar, 54 Kosak Court, asked if the Eversource trucks would be fueled on site. Mr. Grace stated there is no fuel storage on site and fueling would occur off site.

Motion was made by Ms. Galiatsos and seconded by Mr. Fallon to close the Public Hearing, 180 South West Street-Western Massachusetts Electric Company dba Eversource Energy.

VOTE 5-0-0

The Commission will write the Order of Conditions at the February 13, 2025 meeting.

2. REQUEST FOR DETERMINATION CONT.-409, 411, 421, 427 Southwick Street-Cascio & Metz

The Commission received a requested to continue this agenda item to the February 13, 2025 meeting.

Motion was made by Ms. Becker and seconded by Mr. Brown to continue the REQUEST FOR DETERMINATION CONT.-409, 411, 421, 427 Southwick Street-Cascio & Metz to the February 13, 2025 meeting, as requested.

VOTE 5-0-0

3. PUBLIC HEARING CONT.-NOTICE OF INTENT-1014 North St Ext-VIP Homes & Associates, LLC (previously continued to February 13, 2025)
4. PUBLIC HEARING CONT.-NOTICE OF INTENT-Westfield River Interceptor Sewer Relocation Project-Agawam DPW

The Commission received a requested to continue this agenda item to the February 13, 2025 meeting.

Motion was made by Mr. Brown and seconded by Ms. Becker to continue the PUBLIC HEARING CONT.-NOTICE OF INTENT-Westfield River Interceptor Sewer Relocation Project-Agawam DPW to the February 13, 2025, as requested.

VOTE 5-0-0

5. ENFORCEMENT ORDER UPDATES

None

6. APPROVAL OF MINUTES-January 9, 2025

Motion was made by Ms. Galiatsos and seconded by Mr. Fallon to approve the January 9, 2025 minutes, as written.

VOTE 4-0-1(Becker)

7. Correspondence and Complaints

The Commission received a complaint for 54 Colonial Avenue concerning rocks being placed into the stream. The homeowner stated this has been occurring for a while and water is being diverted and causing erosion.

The Commission will send a letter to adjacent abutters advising them this is a jurisdictional area.

Motion was made by Mr. Brown and seconded by Ms. Galiatsos to adjourn the meeting.

VOTE 5-0-0

Meeting adjourned at 6:30pm.