

# CITY OF MARLBOROUGH MEETING POSTING

Meeting Name: Conservation Commission

Date: March 17, 2022

Time: 7:00 PM

Location: 140 Main St. – Marlborough City Hall – 3<sup>rd</sup> Floor (Memorial Hall)

RECEIVED  
CITY CLERK'S OFFICE  
CITY OF MARLBOROUGH

2022 MAR 11 P 1:00

**ALL MEETINGS WILL BE IN PERSON AT CITY HALL** Mask Advisory-Marlborough Board of Health advises all community members to wear a face-covering when indoors in crowded areas and/or if you are at high risk of severe COVID-19 disease.

Agenda Items to be addressed:

**Approval of Minutes:** March 3, 2022 and February 17, 2022

**Public hearings:**

7:00 PM **Abbreviated Notice of Intent (continued from 3/3/2022)**  
74 & 82 Paquin Dr. - Scott Ferrecchia  
Proposes to build a retaining wall along the shoreline of Ft. Meadow Reservoir.

**Violation Updates:**

- 896 Boston Post Rd. – Continued from 2/3/2022
- 630 Forest St. – Project update

**Certificate of Compliance:**

- DEP 212-1214 615 Williams St. (continued from 3/3/2022)

**Discussion/Project Updates:**

- 293 Lakeshore Dr. – dock design approval
- Memorial Forest/Desert Natural Area turtle survey – permission
- 689 Pleasant St. – preliminary Open Space Development Plan
- Felton Conservation Land – mowing
- Installation of water main on a portion of Pleasant St. and Fitchburg St. – DPW – minor exempt project
- SuAsCo Steering Committee – request to accept the \$3,000 CISMA Small Grant for 2011.

**Correspondence/Other Business**

- Yearly Operational Plan – 2022 – DPW
- MDAR – control vegetation along rights of way – a 5 yr. Vegetation Management Plan

**Next Conservation Commission meetings:** April 7<sup>th</sup> and April 21, 2022

**Adjournment**

The listing of topics that the chair reasonably anticipates will be discussed at the meeting is not intended as a guarantee of the topics that will have been discussed. Not all topics listed may in fact be discussed, and other topics not listed may also be brought up for discussion to the extent permitted by law.

## CONSERVATION COMMISSION

Minutes

DRAFT

February 17, 2022 (Thursday)

Marlborough City Hall – 3<sup>rd</sup> Floor, Memorial Hall

7:00 PM

**Present:** Edward Clancy-Chairman, Allan White, Dennis Demers, John Skarin, David Williams, Karin Paquin and William Dunbar. Priscilla Ryder - Conservation Officer was also present.

**Absent:** none

**Acceptance of Minutes:** February 3, 2022 were reviewed and on a motion by Mr. White second by Mr. Clancy, to approve. The Commission voted unanimously approved 7-0.

**Public hearings:** None

### **Discussion/Project Updates:**

- Ghiloni Park Native Pollinator Garden Proposal (Feb. 2022) – Paul Goldman and Karin Paquin  
Paul Goldman introduced himself as a retired research scientist who has agreed to work with Commission member Karin Paquin to install a native pollinator garden. Ms. Paquin explained that the Native Pollinator task force group which she is a part, are looking to add pollinator gardens in all 32 communities in the SuAsCo watershed. The goal is to return native plants to the area (not cultivars or genetically altered seeds) to feed and support the native bees, wasps, butterflies and other insect pollinators which are in steep decline. The concern is that with the urbanization of our landscape native plants have been pushed aside and the native pollinators have declined in large numbers. An experiment was done in Southborough to naturalize a field with native plants and after ??? years the native pollinators that were not present are back and thriving. This spurred the idea of creating these gardens in each community to educate and encourage the public to add these native plants to their gardens and thereby ushering in the return of these endangered pollinators. There are already volunteers lining up to help from the garden clubs, AMSA, Girl Scouts etc. Signage, educational programs and information on the web site will be part of this project. A site at Ghiloni Park has been identified and approved by the Recreation Department and DPW inside the track near one of the ponds. Mr. Goldman presented a power point with slides showing the gardens location, layout, design and budget. A grant for \_\_\_\_ has been received for this work. Mr. Goldman asked if the Commission would be willing to allocate any funds towards this habitat improvement project. The Commission discussed the seedlings, stone dust vs. gravel path (Mr. Demers will donate stone), signage and invasive plant removal in the area including oriental bittersweet, and the ongoing survey that will be done to determine what and when pollinators return. The Commission then discussed funding and agreed to allocate \$750 towards the purchase of seedlings in the garden. On a

motion by Mr. Demers second by Mr. Clancy to provide \$750 from the Conservation Fund towards this project, the Commission voted unanimously 7-0 to approve.

- **Annual Review of Policies (continued from Feb. 3, 2022)**
  - Wetland Setback Policy – Draft - The Commission reviewed the revised policy to include a 30' wetland setback to replace the 20' wetland setback policy. After a few minor edits, on a motion by Mr. White second by Mr. Clancy to approve the new wetland setback policy as drafted and amended on this date 2/17/22. The Commission voted unanimously in favor 7-0. It was agreed that Ms. Ryder will distribute this new policy to all contractors and city council and city departments that deal with construction.
  - Tree Removal Policy – Draft - the Commission reviewed the revised tree removal policy for trees within the wetland buffer zone. After some discussion and a few amendments, on a motion by Mr. White, second by Mr. Clancy to approve the Tree Removal Policy as drafted and amended on this date 2/17/22. The Commission voted unanimously in favor 7-0.
- **Snow dump and salt** – continue discussion – This discussion was continued to a future meeting.

#### **Correspondence/Other Business**

- Letter from Beaver Solutions dated 1/28/2022 RE: 2020 routine maintenance on Flexible Pond Leveler pipe system(s) - The Commission reviewed the annual maintenance agreement and agreed it was worth continuing. On a motion by Mr. Demers, second by Mr. Clancy, to spend \$335 on this annual maintenance agreement, the Commission voted unanimously 7-0 to approve.
- **Next Conservation Commission meetings:** March 3<sup>rd</sup> and 17<sup>th</sup>, 2022
- **Adjournment-** There being no further business, the meeting was adjourned at 8:08 PM.

Respectfully submitted,

Priscilla Ryder

Conservation/Sustainability Officer

# CONSERVATION COMMISSION

Minutes

DRAFT

March 3, 2022 (Thursday)

Marlborough City Hall – 3<sup>rd</sup> Floor, Memorial Hall

7:00 PM

**Present:** Edward Clancy-Chairman, Allan White, Dennis Demers, John Skarin, David Williams, and William Dunbar. Priscilla Ryder - Conservation Officer was also present.

**Absent:** Karin Paquin

## Public hearings:

### Abbreviated Notice of Intent

74 & 82 Paquin Dr. - Scott Ferrecchia

Mr. Ferrecchia was present and explained that his land and his next-door neighbors' land – Dave Domke- is being undermined by the waves and he'd like to reinforce a section of the bank of the lake to keep it from eroding any further. The work is under the 50' bank disturbance threshold. There are two trees on the bank as well that they'd like to save. He'd like to install a footing with crushed stone for the wall and then build it up a few feet. They will use blocks that are 2'x2'x4' and will stretch 48' along the bank. One layer in ground and one above if they find suitable base soil. The Commission discussed the tree roots and the location of the 262' lake elevation, which is where the private property ends and city land under the lake begins. After some discussion, it was determined that a survey plan showing these elevations would be required to verify that the wall will be built above the high-water mark and on private property. The type of excavator and access locations were discussed. Mr. Domke has a boat access on his property that could be used to bring some of the materials in. They will return to the March 17<sup>th</sup> meeting with a revised surveyed plan. It was noted that if the wall is more than 4' high from the ground a building permit will be required.

### Request for Determination of Applicability

35 Red Spring Rd. – Mr. & Mrs. Hause

Propose to construct an addition to the existing house near Ft. Meadow Reservoir.

At the applicants request prior to the meeting, this item was continued to April 7, 2022.

### Certificate of Compliance:

- DEP 212-1214 615 Williams St.- This item was continued until the erosion controls are removed and the drainage system inspected.

### Violation Updates:

- 896 Boston Post Rd. – continued from 2/3/2022 - The owner of this is still away, he will attend one of the next few meetings.

✓ 7xR

- 630 Forest St. - Ms. Ryder explained that she has issued an Enforcement Order for work on this property done without any permits. She noted that the 3 items needing to be addressed this evening are: 1.) Ratify the Enforcement Order; 2.) Confirm next steps for site stabilization and ongoing monitoring until it is stable - currently lots of silt downstream and need for wetland consultant; 3.) File plan to be approved to proceed with final solution.

Steve Turner and Pete Venuto were present. Mr. Turner explained that he owns 630 Forest St. He noted that there was a sinkhole on the property which had gotten quite big between the driveway and upstream pipe inlet. Met with Ms. Ryder and IPG (downstream neighbor) in December to discuss the need to repair the pipe in some way. He was concerned about road stability and wanted to know how bad the drainpipe condition was to determine next steps. They did investigate with camera then started digging to see if they could reveal the pipe. At which point they were asked to stop by Ms. Ryder and several Commission Members who had observed the work and a 16' deep hole with huge stockpiles and lots of large stones.

Fred Keylor of H.W. Moore P.E., who was recently hired by Mr. Turner, explained that going forward they would like to get approval of the revised plans which had been previously prepared by Mr. Bruce Saluk P.E. Ms. Ryder noted that she had not seen this plan before yesterday only a hand sketch in December. Mr. Keylor explained that he has made some modifications to Mr. Saluk' plan and will be working out the details with Mr. Saluk, who was in the audience. Ms. Ryder showed pictures of the project, down stream siltation and upstream sandbags that were installed after being requested by her and City Engineer. The Commission expressed dismay and concern that so much work would be done without a plan to start, nothing on site to control erosion, and inadequate pumping and water diversion AND no permit. Once instructed to do so erosion controls and sandbags were gathered and installed. No engineer was directing the show, and no plan had been approved by the city- all these failures have resulted in the problem noted by Commission Members as a "huge embarrassment to the developer. This should not have happened."

Mr. Bruce Saluk explained that he had originally drawn up the plan with specific requirements for bypass, utility protection, rain contingencies etc. but he had been hired by IPG to do this design and works for them. Unless his client is agreeable, he is not working for Mr. Turner. Mr. Turner and Mr. Venuto explained that they would reach out to IPG and get this resolved.

There was discussion about the pipe elevation, the headwalls and lead time for ordering materials. After much discussion about the problems, contractor and future actions, the Commission took the following actions and made the following requirements:

1. Ratify Enforcement Order - The Commission on a motion by Mr. White second by Chair to ratify the Enforcement Order as written, voted unanimously 6-0 to ratify.
2. A stamped engineered plan shall be provided to the Conservation Officer and City Engineer. If approved, then the applicant can start ordering the supplies needed.

3. At the next meeting on March 17, 2022, the applicant shall return with their contractor, engineer, and property owners to discuss next steps and sequence of construction. If necessary, an Emergency Order will be considered at this time.
4. A notice of intent shall be filed with the Commission to cover all this work. This shall be submitted for the March 17<sup>th</sup> or April 7<sup>th</sup> meeting agenda.

The applicants agreed to return to the next meeting with items as noted above.

- 92 Crowley Dr. - Last week additional mud was leaving the site and entering the downstream wetland at the end of Crowley Dr. Ms. Ryder and Mr. Dunbar investigated the site and found several areas with raw dirt draining towards unprotected catch basins. The applicant was responsive and corrected the problem that day and are providing e-mail updates after every rain event. A violation notice will be sent for this violation.

**Discussion/Project Updates:**

- 78 Roosevelt St. – Cole Motz - tree removal request - Ms. Ryder and Mr. Dunbar visited this site to check out a leaning tree reported by the new owner Mr. Motz. Photos of the tree were shared with the Commission. The tree is in fact leaning towards the house and is entwined with a huge bittersweet vine. Not clear who's land the tree is on so homeowner would need to figure that out. Commission agreed this was a dangerous tree and authorized Ms. Ryder to provide permission for it's removal as long as a snag 10-15' tall was left in for wildlife habitat. On a motion by Mr. Dunbar second by Mr. Clancy, the Commission voted 6-0 to authorize this tree removal. Ms. Ryder will convey to the homeowner.

**Next Conservation Commission meetings:** March 17<sup>th</sup> and April 7<sup>th</sup>, 2022

**Adjournment** - There being no further business the meeting was adjourned at 8:13 PM

Respectfully submitted,

Priscilla Ryder  
Conservation/Sustainability Officer



# City of Marlborough Conservation Commission

140 Main Street  
Marlborough, Massachusetts 01752  
Tel. (508) 460-3768 Facsimile (508) 460-3747

Edward Clancy - Chairman  
Allan White  
David Williams  
Dennis Demers  
John Skarin  
Karin Paquin  
William Dunbar  
Priscilla Ryder - Conservation Officer

March 10, 2022

Barbara Fenby, Chairwomen  
Planning Board  
City Hall  
Marlborough, MA 01752

RE: 689 Pleasant St. Open Space Development Concept Plan

Dear Chairwomen and Members:

I have reviewed the preliminary subdivision plans titled: "Beauchemin Estates 689 Pleasant St. Conventional concept plan and Open Space Concept Plan" by D.K. Engineering, dated 2/10/22. Unfortunately, I failed to add this to the Conservation Commission agenda earlier so the Commission will review this at their meeting on March 17<sup>th</sup> and may have some additional comments. The comments below are my own and not necessarily those of the Conservation Commission.

1. At its February 17, 2022, meeting the Conservation Commission amended its wetland setback policy to expand the no disturb wetland buffer zone to 30', therefore this will need to be adjusted on the plans as they show a 25' wetland buffer zone. These changes may impact the number of houses and the location of detention basin which needs to be outside the 30' no disturb wetland buffer zone. A realistic look at driveway locations in relation to this setback should also be reviewed to ensure that the house lots can reasonably fit.
2. The Conventional Concept plan does not show a location for a detention basin. This should be shown to determine realistic number of lots. The Open Space Concept Plan shows the detention basin in the open space parcel which the regulations do not allow.
3. The 2.55+ acres of open space is an important wetland that feeds Flagg Brook and then Ft. Meadow Reservoir. Providing ample protection to this wetland will in turn help to preserve Ft. Meadow. Therefore, this Open Space parcel would be acceptable for open space. I do note that normally we don't encourage these isolated pockets of open space as they become difficult to maintain etc. But in this situation, it can be protected for its wetland and habitat value and not necessarily for public use or trail access. With climate change and warmer temperatures our wetlands and woodlands will need to work harder to keep the air cooler and provide habitat and shade to wetland dependent critters.

7/2/22

4. If the project moves forward with the Open Space concept, the Commission will usually recommend that the conveyance the proposed open space parcel be to the city of Marlborough for conservation and open space protection purposes. As has been done for all other open space developments \$5,000 should be requested to be deposited to the city's conservation maintenance fund for future maintenance of this site. The applicant also has the option to have the land held by a homeowner's association as outlined in the ordinance, if they so choose.
5. Once the plan has been updated, I can provide comments on how the plan meets the design guidelines as outlined in the ordinance.

I will pass along any additional comments the Conservation Commission may have, and we look forward to reviewing the revised plans once the items noted above have been addressed.

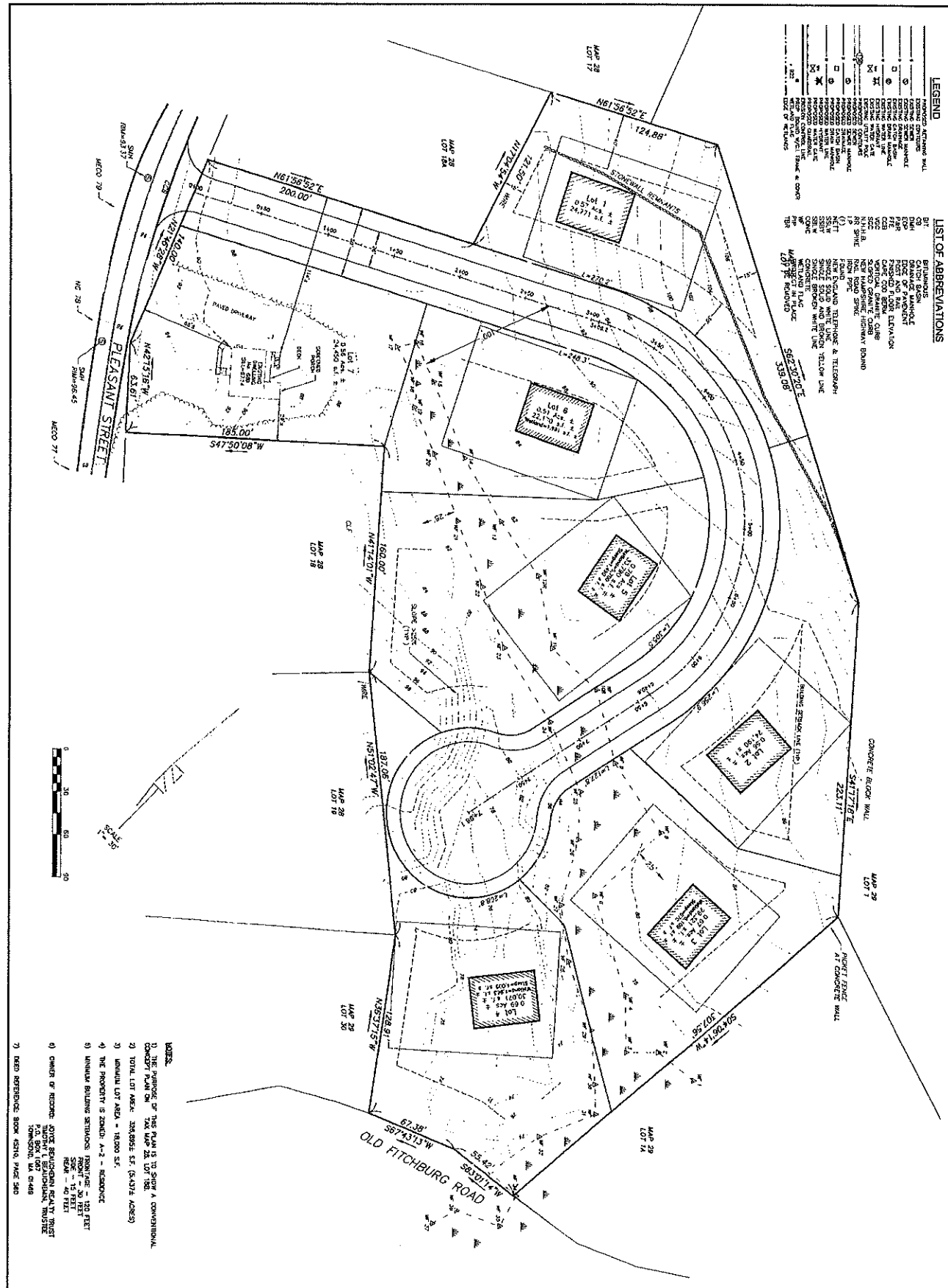
If you have any questions, please let me know.

Sincerely,

Priscilla Ryder  
Conservation Officer

Cc: Tom DiPersio, City Engineer  
Tin Htway, Building Commissioner  
Conservation Commission





**LEGEND**

- |    |                       |
|----|-----------------------|
| SP | SUBJECT PROPERTY      |
| DP | DEVELOPER             |
| OP | OWNER                 |
| CP | CONTRACTOR            |
| AP | ARCHITECT             |
| EP | ENGINEER              |
| GP | GEOLOGIST             |
| HP | HISTORIC PRESERVATION |
| IP | INSURANCE             |
| JP | JUDICIAL              |
| KP | KEY                   |
| LP | LOCAL                 |
| MP | MATERIAL              |
| NP | NEIGHBORHOOD          |
| OP | OFFICE                |
| PP | PUBLIC                |
| RP | RECORD                |
| SP | SUBJECT               |
| TP | TOWN                  |
| UP | UNDEVELOPED           |
| VP | VEGETATION            |
| WP | WATER                 |
| XP | UTILITY               |
| YP | YIELD                 |
| ZP | ZONING                |
| AP | ADJACENT PROPERTY     |
| BP | BORDER                |
| CP | CORNER                |
| DP | DEVELOPMENT           |
| EP | EXISTING              |
| FP | FEASIBILITY           |
| GP | GRADING               |
| HP | HIGHWAY               |
| IP | IRREGULAR             |
| JP | JUNCTION              |
| KP | KEY                   |
| LP | LOCAL                 |
| MP | MATERIAL              |
| NP | NEIGHBORHOOD          |
| OP | OWNER                 |
| PP | PUBLIC                |
| RP | RECORD                |
| SP | SUBJECT               |
| TP | TOWN                  |
| UP | UNDEVELOPED           |
| VP | VEGETATION            |
| WP | WATER                 |
| XP | UTILITY               |
| YP | YIELD                 |
| ZP | ZONING                |

**LIST OF ABBREVIATIONS**

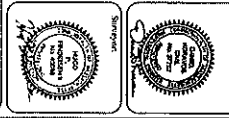
- |    |                      |
|----|----------------------|
| AD | ADJACENT DEVELOPMENT |
| AG | AGRICULTURE          |
| AL | ALLIANCE             |
| AN | ANIMAL               |
| AP | APPROVED             |
| AR | ARCHITECT            |
| AS | ASBESTOS             |
| AT | AT                   |
| AV | AVIATION             |
| BA | BATHING              |
| BB | BLOCK                |
| BC | BLOCK                |
| BD | BLOCK                |
| BE | BLOCK                |
| BF | BLOCK                |
| BG | BLOCK                |
| BH | BLOCK                |
| BI | BLOCK                |
| BJ | BLOCK                |
| BK | BLOCK                |
| BL | BLOCK                |
| BM | BLOCK                |
| BN | BLOCK                |
| BO | BLOCK                |
| BP | BLOCK                |
| BQ | BLOCK                |
| BR | BLOCK                |
| BS | BLOCK                |
| BT | BLOCK                |
| BU | BLOCK                |
| BV | BLOCK                |
| BW | BLOCK                |
| BX | BLOCK                |
| BY | BLOCK                |
| BZ | BLOCK                |

- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW A CONVENTIONAL CONCEPT PLAN ON TAX MAP 29, LOT 18E.
  - TOTAL LOT AREA: 308,958 SF. (5.812 ACRES)
  - INDIVIDUAL LOT AREA: 18,200 SF.
  - THE PROPERTY IS ZONED: A-2 - RESIDENCE
  - MINIMUM BUILDING SETBACKS: FRONTAGE = 102 FEET, SIDE = 15 FEET, REAR = 40 FEET
  - OWNER OF RECORD: JUNE BEAUCHEMIN REALTY TRUST, INC., BOX 1697, TOMSONG, VA 01468
  - NEED REFERENCE BOOK 5819, PAGE 388

Beauchemin Estates  
689 Pleasant St.

**DK Engineering LLC**  
Office: 47 Delaware Blvd., #1, Rehoboth Beach, DE 19970  
Meeting Address: 69 Granite Road, Chester, PA 19380  
Tel: (302) 800-1688 • Fax: (302) 800-1688 • Email: daniel@dkeng.com

**FINDLSEN SURVEY & DESIGN, LLC**  
47 Middle Road, Rehoboth Beach, DE 19970  
P.O. Box 212, Rehoboth Beach, DE 19970  
Tel: (302) 800-1807 / Fax: (302) 800-1877



**DANIEL KORAVOS**  
59 GRANITE LANE  
CHESTER, PA 19380  
EPA 100000001

**JOSEPH BEAUCHEMIN**  
TRUSTEE  
7300 W. 11TH AVENUE  
TOWNSHIP, PA 01469

NO.	DATE	BY	DESCRIPTION

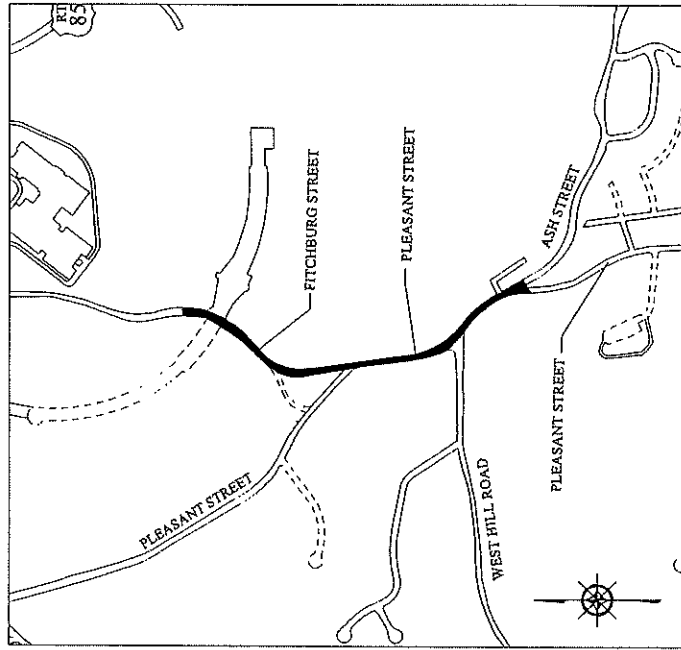
NOT RELEASED FOR CONSTRUCTION

Sheet No. **1**



# INSTALLATION OF WATER MAIN ON A PORTION OF PLEASANT STREET & FITCHBURG STREET

LOCUS  
1"=200'



COVER SHEET	1
CONSTRUCTION NOTES & LEGENDS	2
CONSTRUCTION PLANS	3-5
CONSTRUCTION DETAILS	6-9
TRAFFIC MANAGEMENT PLAN	10

PREPARED BY:  
CITY OF MARLBOROUGH  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
135 NEIL STREET  
MARLBOROUGH, MA 01752

CONTRACT NO. ED XXXX-XX  
JULY 16, 2021

UNLESS OTHERWISE INDICATED FOR THE PROJECT SPECIFICATIONS, THE FOLLOWING DOCUMENTS SHALL GOVERN THE CONSTRUCTION ON THIS PROJECT:

- THE 1992 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AS AMENDED
- THE SUPPLEMENTAL SPECIFICATIONS DATED JUNE 8, 2002, AS AMENDED
- THE 2006 PROJECT DEVELOPMENT & DESIGN GUIDE, AS AMENDED
- THE 1977 CONSTRUCTION STANDARDS, AS AMENDED
- THE AMERICAN STANDARD FOR ROSSERY STOCK (ANSI Z39.1, 1996), AS AMENDED

	ISSUED FOR BID

CITY OF MARLBOROUGH \_\_\_\_\_ DATE \_\_\_\_\_

/ . 7x0

## CONSTRUCTION NOTES

1. BASE PLANS AND TOPOGRAPHIC INFORMATION WERE PREPARED FROM SURVEY DATA COMPILED BY THE CITY OF MARLBOROUGH, DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CITY OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL UNDERGROUND UTILITIES.
3. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH PROPOSED WORK, THE TYPE, LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE CITY ENGINEER FOR RESOLUTION OF THE CONFLICT.
4. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
5. THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR WHERE APPLICABLE, AND APPROVED BY THE CITY ENGINEER, RE-USING EXISTING MATERIALS SUCH AS THOSE IDENTIFIED AS "REMOVE AND RESET" (RAR). JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH HOT PAIRED RUBBERIZED ASPHALT SEALER AND BACKSANDS.
6. THE CONTRACTOR SHALL NOT ALLOW DEWATERING TO BE DIRECTLY DISCHARGED INTO WETLANDS. SEDIMENTATION BASINS SHALL BE CONSTRUCTED AS NECESSARY (SEE DETAIL). NO WORK SHALL TAKE PLACE UNTIL SUCH TIME AS SALT SACS HAVE BEEN PLACED/INSTALLED IN EXISTING CATCH BASINS AND APPROVED BY THE CITY ENGINEER.
8. IT IS CRITICAL THAT THE CONTRACTOR STAY WITHIN THE RIGHT-OF-WAY LAYOUT OR LIMIT OF WORK AS SHOWN ON THE DRAWINGS.
9. UTILITY SERVICE CONNECTIONS TO HOUSES ARE NOT SHOWN OR ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING REPAIRS MADE TO ANY UTILITY SERVICES DISTURBED DURING EXCAVATION AT NO ADDITIONAL COMPENSATION.
10. GAS MAINS AND TELEPHONE LINES ARE ASSUMED TO HAVE 3 FEET OF COVER UNLESS NOTED OTHERWISE. WATER MAINS ARE ASSUMED TO HAVE 5 FEET OF COVER UNLESS NOTED OTHERWISE. IT IS NOT WARRANTED THAT ALL UTILITIES ARE SHOWN OR THAT THEY ARE PLACED AT THESE ASSUMED DEPTHS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY CONFLICTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. RELOCATION OF UTILITIES AND/OR THEIR DEPTHS ARE TO BE ACCOMMODATE THE NEW WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE COST INFORMATION CONCERNING RELOCATION OF UTILITIES SEE SPECIFICATIONS GENERAL CONDITIONS 25 "RELOCATE UTILITIES".
11. ALL EXISTING STATE, COUNTY, CITY AND TOWN LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED.
12. BACKFILL SHALL BE UNIFORMLY PLACED IN LAYERS, EACH LAYER BEING THOROUGHLY COMPACTED BEFORE THE SUCCEEDING LAYER IS PLACED. THE ENTIRE WIDTH OF THE TRENCH SHALL BE MECHANICALLY OR HAND TAMPED IN TWELVE (12) INCH LIFTS, AND MECHANICALLY TAMPED THE REMAINDER OR THE FULL IN LIFT DEPTH FOR EACH OF THE TWELVE (12) LIFTS. THE BOTTOM LAYER OF BACKFILL SHALL BE FOURTEEN (14) INCHES (OR A TEMPORARY TRENCH) AND TWELVE (12) INCHES (IN A PERMANENT TRENCH) OF GRAVEL COMPACTED TO 97% OF MAXIMUM DENSITY.

## CONSTRUCTION LEGEND

EXIST. LEGEND

(---)	SHRUBS
(---)	TREE
(---)	MAILBOX
(---)	UTILITY POLE
(---)	SIGN
(---)	WATER SERVICE/GATE
(---)	GAS GATE
(---)	DRAIN MANHOLE
(---)	SEWER MANHOLE
(---)	WATER CHECK VALVE
(---)	ELECTRIC MANHOLE
(---)	ELECTRICAL BOX
(---)	TRAFFIC CONTROL BOX
(---)	GUARD RAIL
(---)	STONE WALL
(---)	POST & RAIL FENCE
(---)	CHAINLINK FENCE
(---)	PACKET FENCE
(---)	POST & RAIL FENCE
(---)	WALKWAY
(---)	BRICK WALKWAY
(---)	PROPERTY RIGHT OF WAY LINE
(---)	WETLANDS

PROP. LEGEND

(---)	SHRUBS
(---)	TREE
(---)	MAILBOX
(---)	UTILITY POLE
(---)	SIGN
(---)	WATER SERVICE/GATE
(---)	GAS GATE
(---)	DRAIN MANHOLE
(---)	SEWER MANHOLE
(---)	WATER CHECK VALVE
(---)	ELECTRIC MANHOLE
(---)	ELECTRICAL BOX
(---)	TRAFFIC CONTROL BOX
(---)	GUARD RAIL
(---)	STONE WALL
(---)	POST & RAIL FENCE
(---)	CHAINLINK FENCE
(---)	PACKET FENCE
(---)	POST & RAIL FENCE
(---)	WALKWAY
(---)	BRICK WALKWAY
(---)	PROPERTY RIGHT OF WAY LINE
(---)	WETLANDS

## CONSTRUCTION ABBREVIATIONS

ADL=	ADJUT
BT=	BITUMINOUS
CB=	CATCH BASIN
CONC=	CONCRETE
DMR=	DRAIN MANHOLE
GG=	GAS GATE
EXST=	EXISTING PAVEMENT
EXST=	EXISTING
GU=	GUY WIRE
HTD=	HYDRANT
LB=	LAND COURT BOUND
OHV=	OVERHEAD WIRE
PROP=	PROPOSED
PWT=	PAVEMENT
RAR=	REMOVE & RESET
ROR=	RIGHT OF WAY
SWM=	SEWER MANHOLE
SW=	SIDEWALK
TOB=	TRAFFIC CONTROL BOX
TP=	TYPICAL
UP=	UTILITY POLE
WR=	WHEEL CHAIR RAMP
W=	WATER GATE




City of Marlborough  
Department of Public Works  
Engineering Division  
135 Neil Street  
Marlborough, MA 01752  
P. (508) 824-6910  
F. (508) 824-7689  
www.marlborough.ma.gov

No.	Date	Description
1.		

Drawn By: _____	Checked By: _____	Approved By: _____
Date: _____	Date: _____	Date: _____

Project Title:  
**INSTALLATION OF  
WATER MAIN ON A  
PORTION OF  
PLEASANT STREET &  
FITCHBURG STREET**

Sheet Title: <b>CONSTRUCTION PLAN</b>		
Contract No.: ED-XXXX-XX	Sheet No.: 2	Drawn By: 7/18/2021
Date:		Scale: N.T.S.

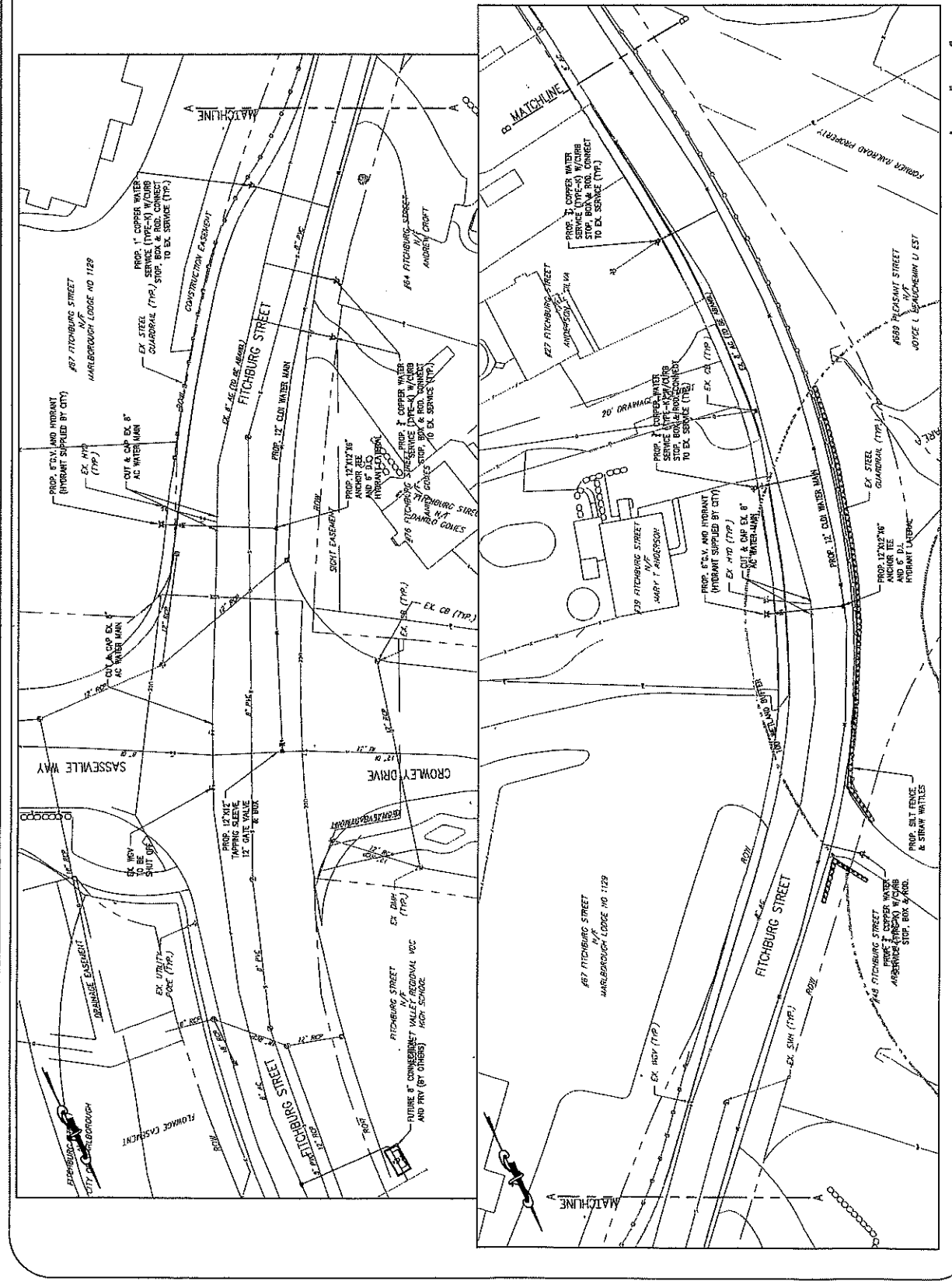
**CITY OF MARLBOROUGH**  
  
**DEPARTMENT OF PUBLIC WORKS**  
 Engineering Division  
 138 Neil Street  
 Marlborough, MA 01752  
 P. (508) 924-8910  
 www.marlborough.ma.gov

REVISIONS	No.	Date	Description
1.			

Project Title:  
**INSTALLATION OF WATER MAIN ON A PORTION OF PLEASANT STREET & FITCHBURG STREET**

Sheet Title:  
**CONSTRUCTION PLAN**

Project No.: CD-XXXX-XX Date: 7-16-2021 Scale: 1"=20' Sheet No.: <b>3</b>
--





# CITY OF MARLBOROUGH



Engineering Division  
226 Rail Street  
Marlborough, MA 01752  
P: (508) 824-9310  
www.marlbrough.ma.gov

No.	Date	Description
1.		

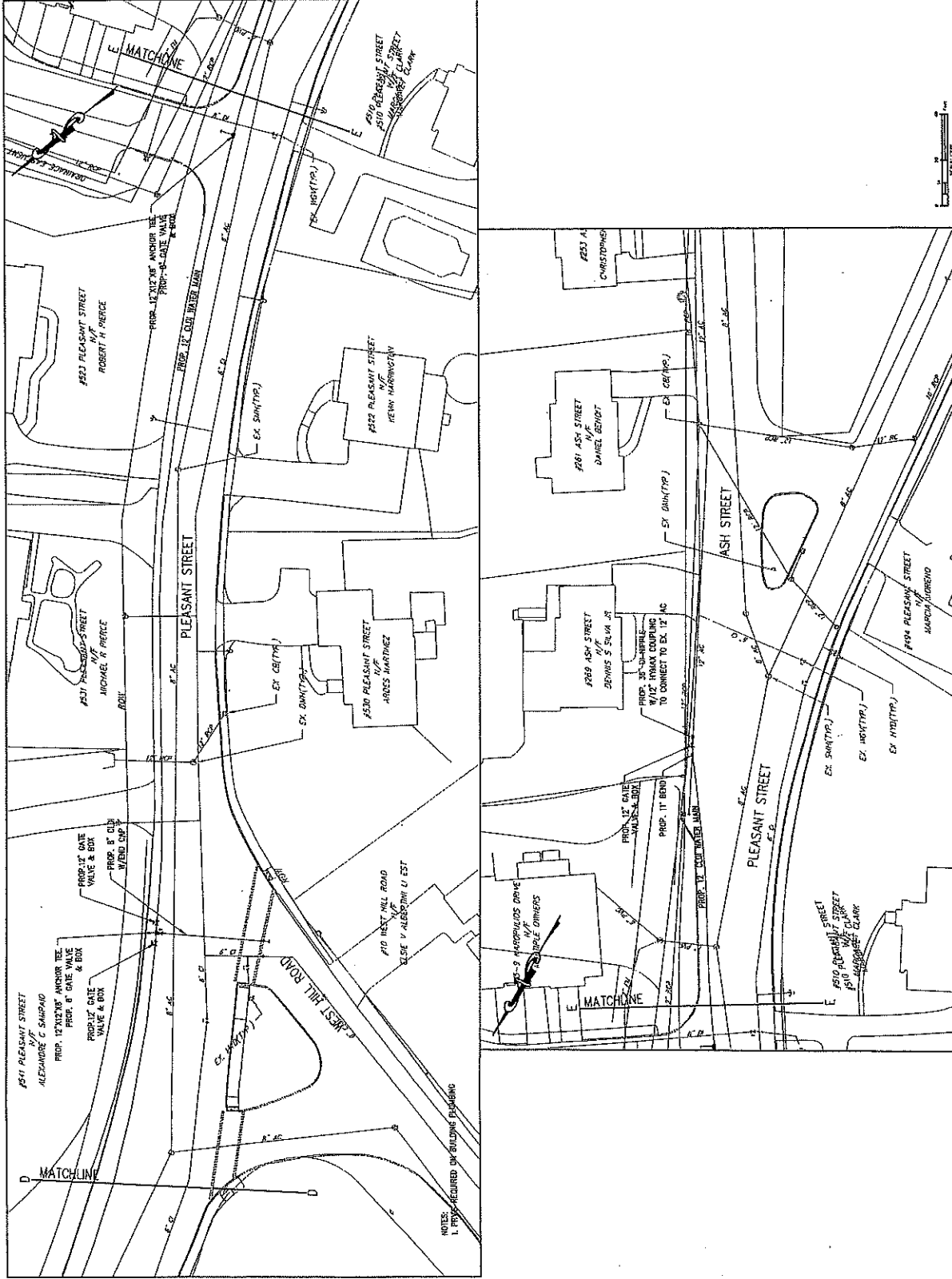
Drawn By: [Signature]  
Checked By: [Signature]  
Revised By: [Signature]

Project Title:  
**INSTALLATION OF  
WATER MAIN ON A  
PORTION OF  
PLEASANT STREET &  
FITCHEBURG STREET**

Sheet Title:  
**CONSTRUCTION PLAN**

Project No. ED-XXXX-XX  
Date 7-16-2021  
Scale 1"=20'

Sheet No.	5
-----------	---



No.	Date	Description
1.		

Project Title: **INSTALLATION OF WATER MAIN ON A PORTION OF PLEASANT STREET & FITCHBURG STREET**

Sheet Title: **TRENCH DETAILS**

Drawn By: **7/16/2021**

Scale: **6**

N.T.S.

**CONSTRUCTION NOTES**

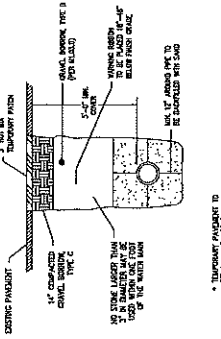
THE FOLLOWING REQUIRES MATERIALS AND METHODS AS THEY PERTAIN TO ROAD OPENING WORK. ALL SURFACE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND ALL MATERIALS SHALL BE APPROVED BY THE SUPERVISOR OF HIGHWAYS.

**BACKFILL MATERIALS**  
 EXCAVATIONS IN THE STREET PAVEMENT AREAS SHALL BE CAREFULLY BACKFILLED WITH LAYERS OF COMPACTED GRAVEL OR OTHER SUITABLE MATERIALS AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. ALL MAJOR ROADWAYS OF THE CITY OR AS DIRECTED BY THE COMMISSIONER OF PUBLIC WORKS.

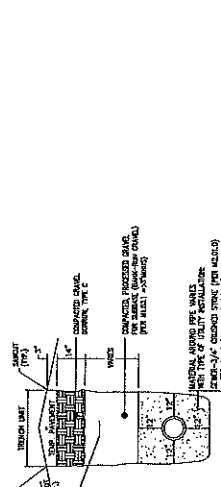
**GRAVEL**  
 GRAVEL SHALL BE WASHED AND SCREENED TO REMOVAL OF ALL MATERIALS FINER THAN NO. 100 SIEVE. GRAVEL SHALL BE PLACED IN LAYERS NOT EXCEEDING 4 INCHES THICK AND COMPACTED TO 95% OF MAXIMUM DENSITY.

**TEMPORARY PAVING**  
 TEMPORARY PAVING SHALL BE PLACED ON A PERMANENT BED OF GRAVEL, COMPACTED TO 95% OF MAXIMUM DENSITY. TEMPORARY PAVING SHALL BE CLASS 1 BITUMINOUS CONCRETE TYPE 1.1 THREE (3) INCHES THICK OR EQUIVALENT. TEMPORARY PAVING SHALL BE PLACED IN A MANNER THAT WILL NOT CAUSE TRAFFIC DIFFICULTY AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK.

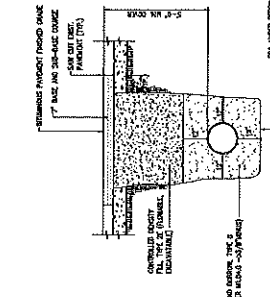
**PERMANENT PAVING**  
 THE FINAL BITUMINOUS CONCRETE SURFACE SHALL NOT BE PLACED ANY EARLIER THAN 48 HOURS OR NO MORE THAN 30 DAYS AFTER THE COMPLETION OF THE TRENCH WORK. THE TEMPORARY PAVING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PERMANENT PAVING. THE PERMANENT PAVING SHALL BE PLACED IN A MANNER THAT WILL NOT CAUSE TRAFFIC DIFFICULTY AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK.



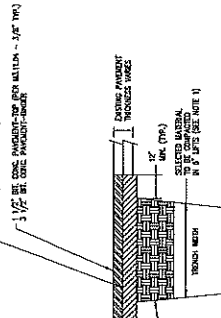
TYPICAL WATER TRENCH



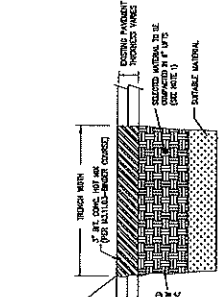
TYPICAL EXCAVATION TRENCH



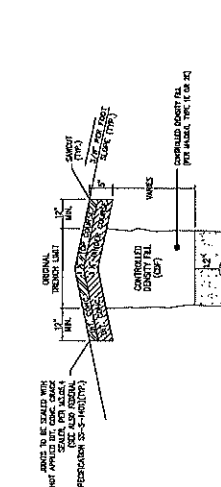
TYPICAL GROSS TRENCH DETAIL



TYPICAL TRENCH DETAIL



TYPICAL TEMPORARY TRENCH PAVING



TYPICAL FLOWABLE FILL TRENCH

CONSTRUCTION NOTES:

1. ALL MATERIALS SHALL BE APPROVED BY THE SUPERVISOR OF HIGHWAYS.

2. ALL SURFACE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

3. THE TRENCH SHALL BE EXCAVATED TO THE DEPTH SHOWN AS TYPICAL.

4. THE TRENCH SHALL BE BACKFILLED WITH LAYERS OF COMPACTED GRAVEL OR OTHER SUITABLE MATERIALS AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

5. THE TRENCH SHALL BE COVERED WITH A TEMPORARY PAVEMENT AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.

6. THE TRENCH SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK.

7. THE PERMANENT PAVING SHALL BE PLACED IN A MANNER THAT WILL NOT CAUSE TRAFFIC DIFFICULTY AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK.

8. THE FINAL BITUMINOUS CONCRETE SURFACE SHALL NOT BE PLACED ANY EARLIER THAN 48 HOURS OR NO MORE THAN 30 DAYS AFTER THE COMPLETION OF THE TRENCH WORK.

9. THE TEMPORARY PAVING SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE PERMANENT PAVING.

10. THE PERMANENT PAVING SHALL BE PLACED IN A MANNER THAT WILL NOT CAUSE TRAFFIC DIFFICULTY AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK.





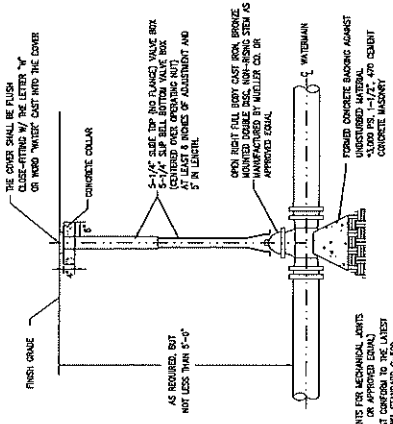
REVISIONS	
No.	Description
1.	

Drawn By: Checked By: Approved By:  
 Date: Date: Date:

Project Title:  
**INSTALLATION OF WATER MAIN ON A PORTION OF PLEASANT STREET & FITCHBURG STREET**

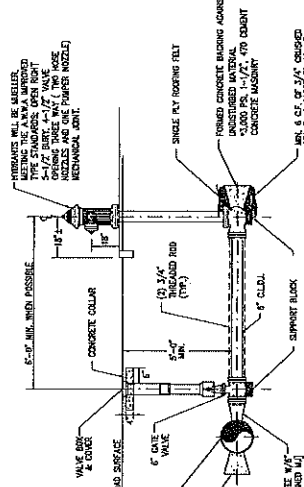
Sheet Title:  
**WATER DETAILS**

Contract No. ED-XXXX-XX  
 Date 7/7/16/2021  
 Scale N.T.S.  
 Sheet No. 8



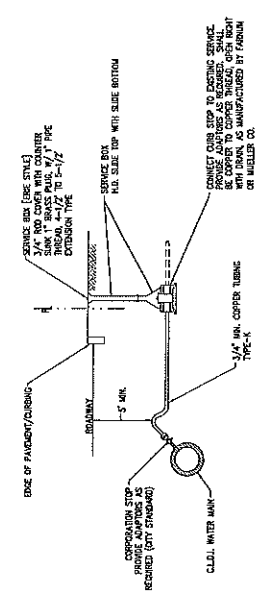
**TYPICAL GATE VALVE**

- NOTES:**
1. PROVIDE RESTRAINTS FOR MECHANICAL JOINTS (DETAILED HERE OR APPROVED EQUAL)
  2. GATE VALVE MUST BE PERMANENTLY LUBRICATED
  3. MECHANICAL JOINTS MUST BE LUBRICATED



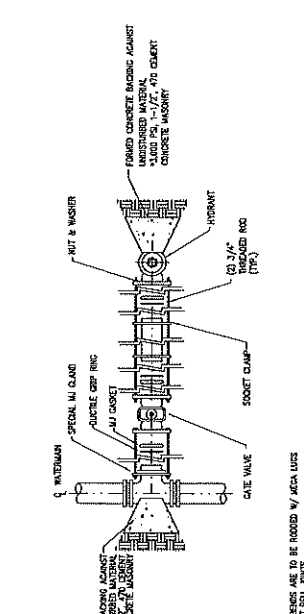
**HYDRANT SETTING WITH VALVE**

- NOTES:**
1. PROVIDE HYDRANT AND VALVE JOINTS WITH MECHANICAL JOINTS BECAUSE OF APPROVED EQUAL
  2. SUPPORT BLOCKS TO BE PRESSURE TREATED WOOD OR CONCRETE MASONRY BLOCKS
  3. ALL VALVES OPEN RIGHT.



**TYPICAL SERVICE CONNECTION**

- NOTES:**
1. FLUSH ALL NEW SERVICE LINES PRIOR TO CONNECTION
  2. LAPS CONNECTION, INSULATE AND PROTECT OF ROAD SERVICE
  3. CURB FROM CONNECTION VALVE TO CURB STOP, CURB STOP 12\"/>



**VALVE CONNECTION**

- NOTE 1:**  
 ALL STEEL COUPLERS AND FITTINGS ARE TO BE REBRED W/ AREA LUGS OR PRESSURE CLAMPS AT BALL JOINTS

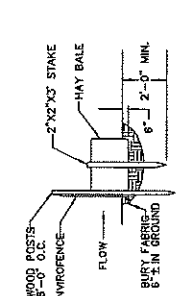
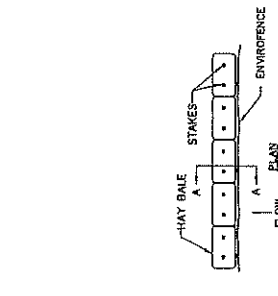
**CITY OF MARLBOROUGH**  
 ENGINEERING DIVISION  
 135 NAIL STREET  
 MARLBOROUGH, MA 01752  
 P. (508) 624-9310  
 F. (508) 624-7699  
 www.marborough-ma.gov

REV. NO.	DATE	DESCRIPTION

Project Title:  
 INSTALLATION OF WATER MAIN ON A PORTION OF PLEASANT STREET & FITCHBURG STREET

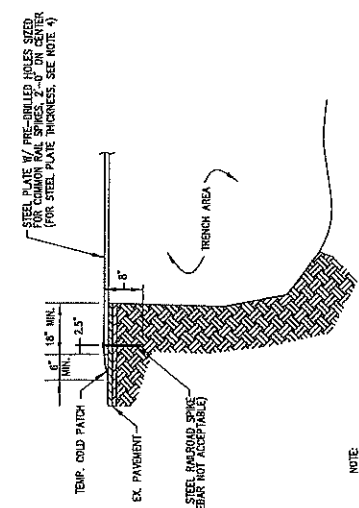
Street Title:  
 CONSTRUCTION DETAILS

Drawn By: ED-XXXX-XX  
 Date: 7/18/2021  
 N.T.S.      9



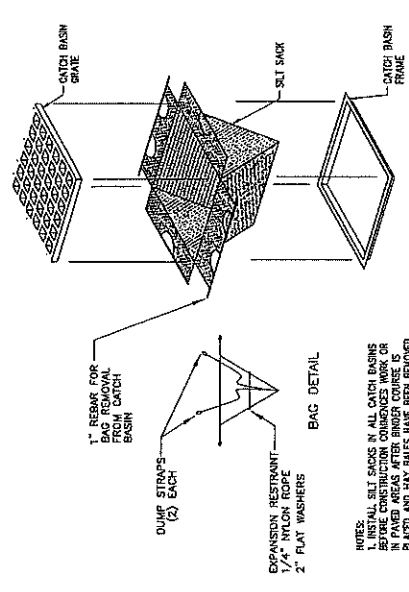
Note:  
 All details shall be subject to change without notice. Public use of this City of Marlborough Department of Engineering drawing is prohibited. Please refer to the drawing for the most up to date version.

EROSION CONTROL BARRIER  
 N.T.S.



- NOTE:
1. THE CITY RESERVES THE RIGHT NOT TO ALLOW THE USE OF STEEL PLATES TO SECURE EXCAVATIONS AT ANY TIME THROUGHOUT CONSTRUCTION.
  2. STEEL PLATES SHALL BE INSTALLED ON FIRM, STRONG, UNIFORM FINISH PLATES, TO A MINIMUM OF 100 FT. TO PROVIDE BRIDGES WITH ADVANCED NOTICE. SEE TRAFFIC MANAGEMENT PLAN FOR PLACEMENT OF BRIDGES.
  3. NOT MORE THAN ONE (1) STEEL PLATE SHALL BE USED AT ANY TIME, AND CAN NOT BE USED ON EXCAVATIONS GREATER THAN 7- FEET WIDE.
  4. STEEL PLATE DIMENSIONS AND THICKNESS SHALL BE DESIGNED BY THE CONTRACTOR.
  5. STEEL PLATE THICKNESS SHALL BE DESIGNED TO ALLOW DEFLECTION OF NOT MORE THAN 0.25".
  6. PROVIDE WOOD "KEDDIES" UNDER PLATE BRISSES AT UNEVEN SURFACES TO MINIMIZE MOVEMENT.

STEEL PLATE DETAIL  
 N.T.S.



- NOTE:
1. INSTALL SILT SACKS IN ALL CATCH BASINS AND UNDER BRIDGES AND OTHER STRUCTURES IN PAVED AREAS AFTER BRIDGE CONSTRUCTION IS COMPLETED AND HAY BALES HAVE BEEN REMOVED.
  2. SACKS MUST BE PLACED OVER SILT SACKS.
  3. SACKS MUST BE INSPECTED AND REPLACED WITH ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

SILT SACK DETAIL  
 N.T.S.





*Sudbury, Assabet and Concord Rivers Cooperative Invasive Species Management Area*  
Partner Grant Memorandum of Understanding (MOU)  
2022 Funding

Congratulations! The SuAsCo Steering Committee has accepted your request for the Cisma Small Grants for 2022! This agreement is designed to describe the conditions of funding and the agreed upon scope of work to be completed with the funding granted.

**Organization Name:** City of Marlborough

**Total Funding:** \$3,000

**Contact person:** Priscilla Ryder

**Address:** 140 Main St. City Hall

**Email address:** pryder@Marlborough-ma.gov

**Funding effective date:** March 1, 2022

**Title:** Conservation/Sustainability Officer

**Town:** Marlborough

**Telephone:** 508-460-3768

**Project Overview: (From Proposal):**

Goal 1: Reduction of Oriental Bittersweet (OBS) abundance around the track and around two small ponds at Ghiloni Park. In the more heavily infested and steeper areas (Areas 1 and 2), we anticipate using a cut surface treatment method applied by licensed applicators. In the less infested areas (Areas 3 and 4) and where access by volunteers is more practical and the terrain is flatter, community volunteers will be trained as part of a Weed Warrior program.

Goal 2: Develop and use existing educational materials and signage to raise public awareness about bittersweet, why it's so detrimental in the environment and best practices for safe and effective removal. Recruit members of various community groups such as trail committee members, garden club members, Girl and Boy Scouts and others in this effort and join a local Weed Warrior program.

**Funding Terms:**

The proposal hasn't been fully funded. These awarded funds are contingent on the applicant working with a member of the Steering Committee to finetune your plan with the bulk of the money going towards the licensed applicator. Projects funded by the SuAsCo Cisma must request funds by July 10, 2022, even if work is still underway. At time of request the applicant must submit a report stating their current project status.

**Communication:**

Recipients of funding must request and receive approval from the SuAsCo Cisma Steering Committee for significant change(s) in projected timeline provided in their approved application (a change of more than 3 months from scheduled start and/or completion), change(s) in a task or activities, or a significant shift (greater than 10% of total budget) of funding between tasks. Written requests for a change(s) must be received one month prior to

1  
✓ 7/12



anticipated need to allow time for the SuAsCo CISMA Steering Committee to discuss and vote on any proposed changes. If deemed necessary, a request for an extension to the project timeline should be sent to the Steering Committee Chair no later than July 10, 2022 explaining why additional time is needed to allow time for the Steering Committee to vote on any proposed changes.

The Steering Committee requires that partners present on their work at CISMA Fall Meeting on November 8, 2022 or provide an on-site tour for the Steering Committee and other CISMA partners.

**Reporting:**

Funds need to be requested by July 10, 2022 with a status report for the project to Sudbury Valley Trustees ([kobrien@svtweb.org](mailto:kobrien@svtweb.org) unless notified otherwise). A final report should be submitted no later than October 31, 2022 (if an extension was granted a report to date will be accepted). This report can be short but should include:

- A description of project implementation and any changes from the original workplan.
- A budget narrative, explaining an overall accounting of spending, and a final reimbursement request (see below).
- Next steps (monitoring, planting etc.)

**Payment:**

Funding is through reimbursement if costs are incurred prior to July 10, 2022. If work is not completed by then the funds will be issued in advance or work by July 15, 2022. Requests for funds should detail expenditures against the approved budget and explaining any significant variances from the original project budget (variance greater than 10%). The SuAsCo CISMA reserves the right to request receipts for expenditures at its discretion.

These documents should be sent to the CISMA Coordinator at [kobrien@svtweb.org](mailto:kobrien@svtweb.org) for review and authorization for payment.

As a recipient of this funding and authorized representative of my organization, I agree to the terms listed in this application and the applicable requirements related to the cooperative agreement.

*Grantee*

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Rec 2-28-2022

THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS



Department of Agricultural Resources  
251 Causeway Street, Suite 500, Boston, MA 02114  
617-626-1700 fax: 617-626-1850 www.mass.gov/agr



CHARLES D. BAKER  
Governor

KARYN E. POLITO  
Lt. Governor

KATHLEEN A. THEOHARIDES  
Secretary

JOHN LEBEAUX  
Commissioner

**NOTICE**

Pursuant to the provisions of the **Rights of Way Management Regulations, 333 CMR 11:00**, In order to apply herbicides to control vegetation along rights of way, a 5-year Vegetation Management Plan (VMP) and a Yearly Operational Plan (YOP) must be approved by the Massachusetts Department of Agricultural Resources (MDAR). Therefore, notice of receipt of a YOP and procedures for public review is hereby given as required by Section 11.06 (3).

A Yearly Operational Plan (YOP) has been submitted for: The City of Marlborough.

This plan has been prepared by and submitted to the Department by: Mr. Christopher White, General Foreman Forestry, Parks, & Cemetery

Areas identified in the YOP as locations where treatment of Rights of Way with herbicides will be carried out in calendar year 2022 are: Streets and Roads in the City of Marlborough.

The applicant has described in the YOP the Rights of Way scheduled for treatment.

**Public Review**

MDAR in particular seeks the verification of sensitive area locations reported in the Yearly Operational Plan (YOP). The Department itself has a limited ability to survey the geography, land use, and the water supplies in all the communities through which the rights of way are located. Municipalities, however, have most of this information readily available, and the particular knowledge with which to better certify the sensitive areas in their communities. Therefore, MDAR requests, and urges, the assistance of the "affected" municipality in reviewing the completeness and accuracy of the maps contained in the submitted document. MDAR has established the following procedures for this review.

Yearly Operational Plans (YOP) and a copy of this notice will be sent by the applicant to the Conservation Commission, Board of Health (or designated health agent), and to the head of government (Mayor, City Manager, Chair of the Board of Selectmen) of the municipality where herbicides are to be applied along the rights of way during the calendar year 2022. Municipal agencies and officials will have forty-five (45) days following receipt of the YOP to review the maps contained in the document that indicate the location of "sensitive areas not readily identifiable in the field" for inaccuracies and omissions. "Sensitive areas" will be defined as in Section 11.02 a-f.

YOP can be view at: <https://www.mass.gov/service-details/rights-of-way-vegetation-management-vmps-yops-and-notices>

Municipal agencies and officials are requested to forward the YOP to other appropriate official(s) in their municipality qualified to certify the accuracy of sensitive area locations as indicated on the maps. The maps should be "corrected" and returned to the applicant, also a copy of the maps with these corrections indicated should be sent to MDAR to the address listed below, within the forty-five day review period. If the city or town needs more time to carry out this review, it should send a written request for an extension to MDAR and cite why there is a "good cause" for requesting additional time.

✓ 7XX

All corrections will be required to be made by the applicant, and corrected maps sent back to the city/town before the YOP can be considered "approved" by MDAR for vegetation maintenance in that municipality. Any dispute on the part of the applicant regarding corrections made by municipal authorities should be indicated in writing to MDAR and to the city/town, which requested the disputed changes within (15) fifteen days of receipt of the request. MDAR will decide whether or not YOP should be approved with or without the requested changes. MDAR will consider the "final approval" of a YOP individually for the municipality.

The final (21) twenty-one days of the public review period can serve concurrently to provide public notification as required by section 11.07 of the Rights-of-Way Management regulations, if the applicant has an approved VMP and if all the requisite city/town offices which have received copies of the YOP have completed their review and corrections have been duly made by the applicant and approved by the Department.

A failure by the city/town to respond to the applicant's submission of the YOP within the forty-five day public review period will be considered by MDAR to indicate agreement by municipal officials with the sensitive area demarcations as provided by the applicant in their YOP.

Any questions or comments on the information provided in this Notice and the procedures established for the municipal review as outlined above, should be addressed to:

Right of Way Program  
Massachusetts Department of Agricultural Resources  
Pesticide Bureau  
251 Causeway Street, Suite 500  
Boston, MA 02114-2151

Any additional questions or comments on any information provided as part of the proposed YOP should be addressed in writing to:

Mr. Christopher White  
City of Marlborough  
Department of Public Works  
Forestry, Parks, & Cemetery  
131 Neil Street  
Marlborough, Massachusetts 01752

A copy should be sent to the Rights-of-Way program at the above address.

**COMMENT PERIOD ENDS AT THE CLOSE OF BUSINESS (5pm), Friday, April 22, 2022**



Rec  
2-28-2022



CITY OF MARLBOROUGH  
*Department of Public Works*  
*Forestry, Parks, & Cemetery Division*  
135 Neil Street  
Marlborough, Massachusetts 01752  
(508) 624-6910  
Facsimile (508) 624-7699 TDD (508) 460-3610

**YEARLY OPERATIONAL PLAN**  
**2022**

Prepared and submitted by:

Christopher White,  
General Foreman  
Forestry, Parks & Cemeteries Division  
City of Marlborough  
Department of Public Works  
135 Neil Street  
Marlborough, MA. 01752

February 7, 2022

City of Marlborough  
2022 Yearly Operational Plan

✓  
Tdd

# Table of Contents

## Title Page No.

Cover	
Table of Contents	
Program Purpose .....	1
Individual Supervising YOP .....	3
Municipal Department Performing Herbicide Treatment .....	4
Herbicide(s) Proposed .....	5
Herbicide Application Techniques and Alternative Control Proposed.....	6-7
Target Vegetation.....	8
Description of Methods Used to Flag or Otherwise Designate Sensitive Areas .....	9
Procedures & Locations for Handling, Mixing & Loading of Herbicide Concentrates .....	11
Remedial Plan to Address Spills and Related Accidents .....	11
Emergency Contacts .....	12

## Appendices

- A- Locus map
- B- Herbicide Fact Sheets Web Site
- C- Labels Web Site
- D- U.S.G.S. Quadrangle Map
- E- Floodplain & Wetlands Protection District Map with Sensitive Areas
- F- Narrative of Sensitive Area Boundaries
- G- Municipal Sign off letters from Chief Elected Official (Mayor), Board of health
- H- Daily Vegetation report

## Program Purpose

The purpose of 333 CMR 11.00, Right of Way Management, is to promote the implementation of integrated pest management techniques and to establish standards requirements and procedures necessary to minimize the unreasonable adverse effects on human health and the environment associated with the use of herbicides to maintain streets. These regulations establish procedure, which guarantee ample opportunity for public and municipal agency review and input on the right-of-way maintenance plans.

A Yearly Operational Plan or YOP must be submitted to the Department of Agricultural Resources (Department) every year herbicides are intended for use to maintain rights-of-ways (ROW). The YOP provides a detailed program for vegetation management for the year. A five-year Vegetation Management Plan (VMP) has been approved by the Department and is available for review at the Board of Health, Conservation Commission, and office of the chief-elected official of the municipality.

Upon receipt of this YOP, the Department publishes a notice in the Environmental Monitor. The applicant must provide a copy of the proposed YOP and Environmental Monitor notice to the Board of Health, Conservation Commission, and the chief-elected municipal official for the city or town in which the herbicide treatment is proposed. The Department allows a 45-day comment period on the proposed YOP beginning with publication of the notice in the Environmental Monitor and receipt of the YOP and Environmental Monitor notice by each municipality.

Public notification and herbicide application to the streets is made at least 21 days in advance of the treatment by a separate notice. Notice is made to the Department of Food and Agriculture, the Mayor, City Manager or Chairman of the Board of Selectman, the Board of Health, and the Conservation Commission of the municipality where the streets lie.

Any comments on this YOP should be directed to the contact person listed herein as the person/s supervising the YOP or person/s performing the treatment.

City of Marlborough  
2022 Yearly Operational Plan

JLN

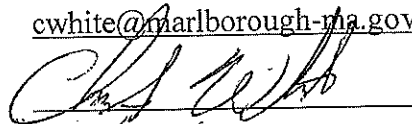
This Yearly Operational Plan, approved by the Department of Agricultural Resources pursuant to the Rights of Way Management Regulations (333 CMR 11.00), has been adopted by the following municipality and agency. As the representative of the municipality and agency, the undersigned hereby acknowledges that the conditions of this Yearly Operational Plan, approved by the Department of Food and Agriculture pursuant to the Right-of-Way Management Regulations (333 CMR 11.00) has been adopted by the City of Marlborough. The undersigned hereby acknowledges that the conditions of this Yearly Operational Plan will be adopted and complied with.

MUNICIPALITY City of Marlborough  
NAME Christopher White  
AGENCY Marlborough Department of Public Works  
ADDRESS 135 Neil Street  
Marlborough, MA. 01752

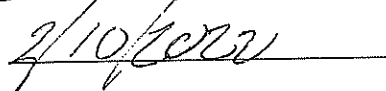
TELEPHONE (508)-624-6910 ext.33601

Email: [cwhite@marlborough-ma.gov](mailto:cwhite@marlborough-ma.gov)

SIGNATURE



DATE

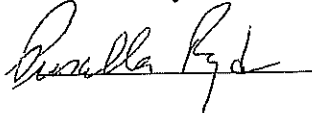


Signature of conservation official acknowledging that wetlands in the municipality have been delineated.

CONSERVATION OFFICER

Priscilla Ryder

SIGNATURE



Date: 2-10-22

## Herbicides Proposed Including Application Rates, Carriers, Adjuvants

Herbicides that may be used on municipal roadways are limited to the following:  
Chemicals For Use Around Sensitive Areas:

<u>Trade Name</u>	<u>EPA reg. No.</u>	<u>Active Ingredients</u>	<u>Guidelines</u>
Roundup Pro	524-475	Glyphosate	See Label
Oust Extra	352-622	Sulfometuron Methyl	See Label
		Metsulfuron Methyl	
Garlon 4	62719-040	Triclopyr 3,5,6 trichloro 2 Pyridinyloxyacetic butoxyethyl ester	See label
Arsenal	241-431	Isopropylamine salt Imazapyr	See Label

### Chemicals For Use Outside of Sensitive Area (Generic)

<u>Trade Name</u>	<u>EPA reg. No.</u>	<u>Active Ingredients</u>	<u>Guidelines</u>
Roundup			
QuikPRO	524-535	Glyphosate/Diquat dibromide	See Label
Roundup			
PROMax	524-579	Glyphosate	See label
Scythe	62719-529	Pelargonic Acid	See Label

### Tank Mixed Adjuvants:

<u>Trade Name</u>	<u>EPA reg. No.</u>	<u>Active Ingredients</u>	<u>Guidelines</u>
Microyl		Paraffin base Petroleum Oil, Sufactant Blend	See Label
LI 700		Methylacetic acid Phosphatidylcholine, alkyl polyoxyethylene ether	See label

The names and active ingredients of the herbicides proposed and the names of any carriers, adjuvant or additives to be used. Herbicide Fact Sheets/Labels for the Herbicides proposed are found in Appendices.

<u>Control Method</u> <u>Application %/ acre</u>	<u>Herbicide(s) Mixture %</u>	<u>Carriers/Adjuvant</u>
Foliar Treatment Per Label	Glyphosate per label Sulfometuron Methyl Metsulfuron Methyl 2.33/3oz-Acre Diquat dibromide Pelargonic Acid Triclopyr Imazapyr	Listed above

**Herbicide Application Techniques and Alternative Control Procedures**

The herbicide(s) will be applied in accordance with the instructions in the attached manufacturer’s information. Alternative control procedures, applicable at the designated “No Spray Zones” will consist of hand cutting, mowing, or selective trimming (mechanical). Other alternative controls will include routine street sweeping along with crack and road repairs.

Foliar Treatment

Foliar treatments involve the selective application of an herbicide diluted in water, to the foliage. Several types of equipment for foliar treatments may be used. These could include: backpack sprayers, hand-held pump sprayers or a motorized truck-mounted sprayer. Foliar treatments with backpack and hand-held pump sprayers are used on low-density target vegetation. The herbicide solution will be diluted to the lowest possible percent that will provide effective control of target species. Motorized application equipment may be used for foliar treatment on areas where the vegetation density is high and the use of a backpack spray may not be as effective. In both cases, the herbicide solution is applied to lightly wet the target plant/ target area. These techniques have few limitations with the exception being reduced effectiveness on tall, high-density target vegetation and will not be used on vegetation over 12 feet in height.

Cut Stump Surface Treatment

Cut stump treatments consist of mechanical cutting of target species using chain saws followed by herbicide treatment applied with a squirt bottle, a hand pump sprayer, or painted on the freshly cut surface of the stump. The cutting procedure is identical to that outlined in the Hand Cutting section of this VMP. Cut stump application can be effective during the dormant period, however may not be effective during times of sap flow (i.e., maples and birches during the months of February through early April), as flowing sap will limit the herbicide from being absorbed into the stump down to the roots. Certain

7/18