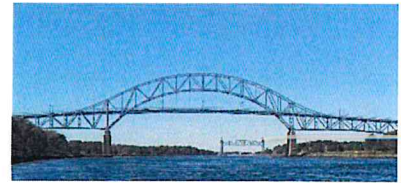


Board of Selectmen Meeting Notice AGENDA AMENDED



Date

March 1, 2022

Time

7:00 PM

Location

Bourne Veteran's Memorial Community Center
239 Main Street, Buzzards Bay

Note this meeting is being televised, streamed or recorded by Bourne TV. If anyone in the audience is recording or video-taping, they need to acknowledge such at this time.

All items within the meeting agenda are subject to deliberation and vote(s) by the Board of Selectmen.

7:00 PM Call Public Session to Order in Open Session

1. Moment of Silence to recognize our Troops and our public safety personnel. The Select Board wishes to recognize the contribution to Bourne from former Select Person Judith Conron.
2. Salute to the Flag. Cub Scout Pack 44, Den 2 will lead the salute to the flag.
3. Vision: Bourne is a proud community that embraces change while respecting the rich heritage of the town and its villages. It is a municipality based on strong fiscal government with a durable economy that recognizes the rights of all citizens, respects the environment, especially the coastal areas of the community and the amenities that it affords. Bourne embraces excellent education, and offers to citizens a healthy, active lifestyle.
4. Mission: Bourne will maximize opportunities for social and economic development while retaining an attractive, sustainable and secure coastline and environment for the enjoyment of residents and visitors. Through responsible and professional leadership and in partnership with others, Bourne will strive to improve the quality of life for all residents living and working in the larger community.
5. Public Comment on Non-Agenda Items
 - a. Public comments are allowed for up to a total of 12 minutes at the beginning of each meeting. Each speaker is limited to 3 minutes for comment. Based on past practice, members of the Board are not allowed to comment or respond.
6. Selectmen's Business
 - a. Recognize Coreen Moore for her years of service to the Town of Bourne.
 - b. Congressman William Keating, State Senator Susan Moran, State Representative David Vieira and State Representative Steven Xiarhos are invited guests to the meeting. Our Federal and State delegation will report on pertinent issues to the community.
 - c. Discussion and possible vote to allow a sign at Buzzards Bay Park – Judith Riordan will provide a brief presentation.
 - d. Discussion and possible vote to appoint members of the South Side Fire Station Building Committee.

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2022 FEB 24 AM 4:21
TOWN CLERK BOURNE

- e. Discussion and possible vote relative to storm water improvements at Monks Park – Tim Lydon will give a concise presentation on the proposed storm water improvements.
- f. Discussion and possible vote to allow construction vehicle access over 280 Standish Road to maintain a stabilized coastal bank– Bracken Engineering will provide a presentation.
- g. Discussion and possible vote relative to the Fiscal Year 2023 Budget and Fiscal Year 2023 Capital Plan.

7. Appointments and Licenses

- a. Discussion and possible vote to approve the Annual Cliff Walk Event Fundraiser for ALS - September 11, 2022 - 7:30 a.m. to 4:00 p.m. – Buzzards Bay Park -Mary Ann Singersen.
- b. Discussion and possible vote to approve an Application for Telling Fortunes by M. Layton.

8. Town Administrator

- a. Food truck permitting update

9. Minutes: 1/13/2021 and 1/18/21 and **Exec Session Minutes from 4/8/21**

10. Correspondence

11. Committee Reports

12. Adjourn

**Board of Selectmen
Minutes of Tuesday, March 1, 2022
Bourne Veterans' Community Center
Buzzards Bay, MA**

**TA Marlene McCollem
ATA Glenn Cannon**

**RECEIVED
2022 JUN 29 PM 1:45
TOWN CLERK BOURNE**

Board of Selectmen

Peter Meier, Chair
George Slade, Clerk
Judy Froman, Vice Chair
Mary Jane Mastrangelo
Jared MacDonald

Others: State Representative David Vieira, State Representative Steven Xiarhos, State Senator Susan Moran, Mike Jackman, Chief of Staff for Congressman Bill Keating, Timothy Lydon, Engineering Department, and Coreen Moore.

7:00 PM Call Public Session to Order in Open Session

Chair Meier took a point of personal privilege to recognize the first Board of Selectmen meeting of the new Town Administrator, Marlene McCollem, and to welcome her to the Town of Bourne. Chair Meier also recognized Ms. McCollem as being the first woman Town Administrator in the Town of Bourne's history. Chair Meier also congratulated Assistant Town Administrator Glenn Cannon for being offered the position of Town Administrator in the Town of Rochester. He also thanked Mr. Cannon for all he has done for the Town of Bourne.

The cub scouts from Pack 44, Den 2 introduced themselves before the moment of silence and before leading the group in the Pledge of Allegiance.

- 1. Moment of Silence to recognize our Troops and our public safety personnel.**
- 2. Salute to the Flag. Cub Scout Pack 44, Den 2 will lead the salute to the flag.**

Chair Meier said that the cub scout troop was at the meeting at the request of Mary Jane Mastrangelo as part of working on one of their badges. Ms. Mastrangelo told the troop that they did a great job. Jared MacDonald told the troop to reach as far as they can and enjoy their time as a scout. State Rep. David Vieira invited Cub Scout Pack 44 to the Statehouse.

Chair Meier also recognized the passing of former Select Board member Judith Conron. He said that she was on the Finance Committee and was involved in many aspects of the Town. Ms. Mastrangelo stated how much Judy Conron will be missed and about how involved she was with the community. George Slade spoke about how she went about helping the Town and how he will miss her. Judy Froman talked about how Judy Conron inspired other members in Town. Mr. MacDonald talked about how he respected Judy Conron and how much she will be missed.

3. **Vision:** Bourne is a proud community that embraces change while respecting the rich heritage of the town and its villages. It is a municipality based on strong fiscal government with a durable economy that recognizes the rights of all citizens, respects the environment, especially the coastal areas of the community and the amenities that it affords. Bourne embraces excellent education, and offers to citizens a healthy, active lifestyle.
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6. **Selectmen's Business**
 - a. **Recognize Coreen Moore for her years of service to the Town of Bourne.**
 - b. **Congressman William Keating, State Senator Susan Moran, State Representative David Vieira and State Representative Steven Xiarhos are invited guest to the meeting. Our Federal and State delegation will report on pertinent issues to the community.**
 - c. **Discussion and possible vote to allow a sign at Buzzards Bay Park – Judith Riordan will provide a brief presentation.**
 - d. **Discussion and possible vote to appoint members of the South Side Fire Station Building Committee.**
 - e. **Discussion and possible vote relative to stormwater improvements at Monks Park – Tim Lydon will give a concise presentation on the proposed stormwater improvements.**
 - f. **Discussion and possible vote to allow construction vehicle access over 280 Standish Road to maintain a stabilized coastal bank – Bracken Engineering will provide a presentation.**
 - g. **Discussion and possible vote relative to the Fiscal Year 2023 Budget and Fiscal Year 2023 Capital Plan.**
- 6.a. **Recognize Coreen Moore for her years of service to the Town of Bourne.**

Chair Meier said that this is the public's way of thanking Coreen Moore for all she has done for the Town of Bourne. He said the list of her accomplishments goes on and on, and he read aloud the list that Mr. Cannon prepared of these accomplishments.

Chair Meier said that State Representatives David Vieira and Steven Xiarhos, State Senator Susan Moran, and Mike Jackman, Chief of Staff for Congressman Bill Keating had something to give to Ms. Moore for her dedication to the Town of Bourne. Mr. Jackman presented Ms. Moore with a citation from Congress in recognition of 26 years of dedicated service upon her retirement from the Town of Bourne as the Town Planner. Ms. Moran said that her citation from the Massachusetts Senate is being sent to her. She also thanked Ms. Moore for her service and her ability to take advantage of technology as it became available to her. Mr. Vieira talked about a memorable trip that he had with Ms. Moore and others and how professional she was when an issue arose. He

thanked her for her dedication to the Town of Bourne. Mr. Xiarhos said that to be there to honor Ms. Moore, was his honor. He read aloud a citation from the Massachusetts House of Representatives that was given to Ms. Moore. Chair Meier also gave Ms. Moore a certificate of appreciation on behalf of the Board of Selectmen.

Ms. Moore said that she enjoyed working for the Town of Bourne. She said that she felt as though the department of Planning was like working with family. She introduced her family and the staff that she worked with. She thanked everyone and received a standing ovation.

Voted: Mary Jane Mastrangelo moved, and Judy Froman seconded to proclaim January 31, 2022, as Coreen Moore Day in the Town of Bourne.

Vote: 5-0-0.

6.b. Congressman William Keating, State Senator Susan Moran, State Representative David Vieira and State Representative Steven Xiarhos are invited guests to the meeting. Our Federal and State delegations will report on pertinent issues to the community.

Mr. Jackman explained that the House was in session so Congressman Keating could not attend the meeting, and he was there on his behalf. Mr. Jackman said there are two issues that he was there to talk about, and one issue is the bridges. He said that at the federal level, their role is to figure out how to pay for the bridges and that the bridges are beyond their life of use. He said there are some optimistic prospects for getting funding for the new bridges. He said they are working on getting some funding for the bridges from the President's budget and through the Infrastructure Bill, through the Bridge Investment Program. The Bridge Investment Program was designed to fund the replacement of major bridges across the country and there is a grant application process that will be coming up over the next year. He said the Congressman and the delegation have had extensive conversations with the Army Corps of Engineers about funding the construction of the new bridges.

Chair Meier said that Bourne would like their seat at the table for any discussions about the new bridge construction and the removal of the existing bridges. He said that the bridges affect the daily lives of the residents and staff and leaders of Bourne need to be made aware of what is going on about the bridges.

Chair Meier also explained the Calamar project that is across from Town Hall and the fact that people have been told that it would be done by a certain time, and they are giving up their current living situations with those promises. He asked Mr. Jackman if there is anything that the Federal government can do to help get these people temporary housing. He said that affordable housing in the community needs to be looked at also.

Jared MacDonald reiterated what Chair Meier said about the bridges and said if they are not done correctly, it could affect the character of the Town. Judy Froman said that even small updates are good for the town of Bourne. George Slade said that this is a one-time opportunity to work on the surface roads to benefit the towns of the Cape and the Islands and to make the right changes. Mary Jane Mastrangelo said that she feels the same as Ms. Froman and that small updates will benefit everyone. She also talked about the universal housing problem. Mr. Cannon said that the bridges should not be downplayed, and he asked if there is anything that Bourne can do, Mr. Jackman said he would find out, and he said that the grant application is high level.

Mr. Jackman said that the other issue that he would like to talk about is the decommissioning of the Pilgrim Power Plant in Plymouth. He said that the State established a Nuclear-Decommissioning Citizens Advisory Panel a few years ago. They meet about six times a year. At their meeting in November, the DPH brought up the fact that there are a million gallons of water from the cooling tower that is being dismantled, that needs to be disposed of. Holtec, the company that is doing the decommissioning, said they have not decided how they will do it yet. Mr. Jackman said that his office subsequently learned from the Nuclear-Decommissioning Citizens Advisory Panel that Holtec had notified them that they plan to dispose of this water into Cape Cod Bay. There has been a lot of press and public outcry and Holtec made the announcement that they will not discharge the water into the bay during the calendar year 2022.

Mr. Jackman said the other options would be to truck it offsite to a licensed storage facility or to evaporate the water, which has its own environmental impacts. Ms. Mastrangelo said that the Board of Selectmen did write a letter in opposition to the disposal of the water into Cape Cod Bay.

State Senator Susan Moran gave a quick update on the ARPA funds. She said that 4 billion dollars was approved last year, and the spending was mostly concentrated in health care at 964 million, housing at 624 million, infrastructure at 414 million, education at 389 million, and Economic Development at 267million. The ARPA money must be committed by the end of 2024 and spent by the end of 2026.

Ms. Moran said that her office has been made aware that Main Street Fire Station needs \$40,000. for a boiler replacement and they were able to get that moving and \$100,000. for the town generator replacement. She said that she and Senator Cyr were able to obtain 2 million dollars for Housing Assistance Corporation for two housing projects, one of them being in Bourne, which will provide 56 affordable housing units. She talked about some funding that will be going to the schools, public safety, family care, and environmental issues.

Ms. Moran said that she filed a bill called the Act Relative to the Discharge of Radioactive Materials. This legislation will ban the disposal of radioactive materials directly or indirectly into coastal or inland waters, tidewater, or land owned by another person with fines ranging from \$10,000. to \$25,000. per offense and liability for all damages to the Commonwealth. There was some more discussion about the bridges and the generator.

State Representative David Vieira said that the current license that Holtec has does not allow the discharge in Cape Cod Bay. He said that for them to get that approval, that license must be amended. He said they are keeping an eye on this as the leverage point along with some outside things like the legislature that was filed. He said that if Holtec applies to amend the license, then everyone should send letters to the appropriate authorities.

Mr. Vieira said that the 350 million dollars for the bridge approaches, which is for the roadways leading everywhere up to where the Army Corps currently owns, has been authorized in a bond bill from Massachusetts. With the authorization was an agreement that the Commonwealth will take ownership of new bridges after they are completed. During construction, MassDOT will coordinate with communities and with the Army Corps, so they are basically the project manager.

Mr. Vieira talked about the home rule for the Police Chief. He also talked about a replacement for the Governor's appointment to the Bourne Recreation Authority to get the board up to full membership. He talked about some ARPA funding for the roof on the Buzzards Bay station and the Bourne Rail Trail. Mr. Vieira said they also are working on what they can do to support an upgrade to the pier at Mass Maritime Academy. He also talked about the ship Ernestina that will be used as a training vessel at Mass Maritime Academy.

State Representative Steven Xiarhos introduced himself to the Board. Mr. Xiarhos said that he has three of Bourne's precincts – Sagamore Beach, Sagamore, and a section around Clay Pond Road and when the re-districting happens next year, he will have Buzzards Bay. He talked about what he is working on and one of the things that he has taken personally was the shooting of Sean Gannon, and his dog Nero, on April 12, 2018, by a person with 125 prior crimes and out on the streets selling drugs, armed with illegal guns. That incident is what led him to leave policing and run for office. He is proud to say that they filed the Nero Bill, which is if a police dog is injured in the line of duty, it is now legal for paramedics to use first aid to help the dog, as they would a human. Mr. Xiarhos said that on April 12, 2022, the bill will be signed into law by Governor Baker at the new Yarmouth Police Station, which was built in Sean Gannon's memory, and he said all are welcome to attend.

Mr. Xiarhos said the issues that he is working on are the opioid crisis and behavioral health and he has some bills on these issues currently. He talked about some of the other bills that he is working on.

Chair Meier asked about the Armory and said that the land could be beneficial for the Town, and Mr. Vieira said that the Armory is still being used. Mr. Meier also mentioned House Bill 3821 and there was some discussion about the bill.

6.c. Discussion and possible vote to allow a sign at Buzzards Bay Park – Judith Riordan will provide a brief presentation.

Judith Riordan said she is representing the Historical Commission looking for authorization and approval to place a sign in Buzzards Bay Park, and it is part of a CPA project. She said the Design Review Committee approved the proposal. She passed around a photo of what the sign would look like. The sign would be approximately 24"x36" and 36" in height and is fiberglass.

Voted: Judy Froman moved, and Jared MacDonald seconded to allow the Historic Commission to install a historic sign within the Buzzards Bay Park near Buzzards Bay Bank pediment. The exact location of the sign would be approved by the Bourne Superintendent of Public Works, Shawn Patterson, along with consultation regarding the pediment.

Vote: 5-0-0.

6.d. Discussion and possible vote to appoint members of the South Side Fire Station Building Committee.

Chair Meier said that the previous South Side Fire Station Committee has been disbanded and the new committee has been reconstituted and the membership now is a member of the Board of Selectmen, a member of the Finance Committee, a member of Capital Outlay, Fire Chief and a second member from the Fire Department and four at large members. He said that some of the applicants for the at-large positions were there tonight and he also said that his father, William

Meier has applied, and he is not available this evening. He invited the applicants to speak regarding their applications. Peter Lindberg, Scott Meyer, Rob Christenson, and Dr. Spector explained their intentions to be on this committee, and they gave some background of their experience, and Chair Meier spoke on William Meier's behalf.

Voted: George Slade moved, and Judy Froman seconded to put William Meier, Peter Lindberg, Scott Meyer, Rob Christenson, and Dr. Spector into nomination.

Vote: 5-0-0.

Mary Jane Mastrangelo said that this is a hard decision for her, and she expressed her concerns about response times.

Jared MacDonald chose Peter Lindberg, Scott Meyer, Rob Christenson, and Dr. Spector.

Judy Froman chose Peter Lindberg, Scott Meyer, Dr. Spector, and William Meier.

George Slade chose Rob Christenson, Dr. Spector, Scott Meyer, and William Meier.

Mary Jane Mastrangelo chose Peter Lindberg, Rob Christenson, William Meier, and Scott Meyer.

Peter Meier chose Peter Lindberg, Scott Meyer, Rob Christenson, and William Meier.

Voted: Judy Froman moved, and Jared MacDonald seconded to appoint the following individuals to the South Side Fire Station Building Committee with a term to expire until revoked or the project is completed.

1. Peter Lindberg
2. Scott Meyer
3. Rob Christenson
4. William Meier

Vote: 5-0-0.

6.e. Discussion and possible vote relative to stormwater improvements at Monks Park – Tim Lydon will give a concise presentation on the proposed stormwater improvements.

Tim Lydon, Engineering Technician, Town of Bourne, talked about the stormwater improvement project at Little Bay. He said that his department worked with other departments on this project such as the Department of Natural Resources, Conversation, The Planning Department, the Acting Town Administrator, and the DPW.

Mr. Lydon said that the Cape Cod Conservation District is overseeing administering 20 million dollars from the USDA. He said that this is year 1 of 3 years of projects, and from that 20 million Bourne got \$27,000. which will fund the design 100%, and there is an article with capital this year for a 25% match. Mr. Lydon talked more about the design, about installing pavement and the rain garden. There was some discussion on the whole project.

Voted: Mary Jane Mastrangelo moved, and Judy Froman seconded to support the stormwater improvements at Monks' Park as presented tonight and shown on a plan titled Proposed Layout, Grading and Drainage Plan dated February 8, 2022, by Bracken Engineering, Inc. and furthermore, outreach will be taken place to advocate for this project.

Vote: 5-0-0.

6.f. Discussion and possible vote to allow construction vehicle access over 280 Standish Road to maintain a stabilized coastal bank – Bracken Engineering will provide a presentation.

Town Administrator McCollem said that this has been withdrawn without purpose.

6.g. Discussion and possible vote relative to the Fiscal Year 2023 Budget and Fiscal Year 2023 Capital Plan.

Mr. Cannon said that this is a placeholder.

7. Appointments and Licenses

a. Discussion and possible vote to approve the Annual Cliff Walk Event Fundraiser for ALS – September 11, 2022 – 7:30 AM to 4:00 PM – Buzzards Bay Park – Mary Ann Singersen.

b. Discussion and possible vote to approve an application for Telling Fortunes by M. Layton

7.a. Discussion and possible vote to approve the Annual Cliff Walk Event Fundraiser for ALS – September 11, 2022 – 7:30 AM to 4:00 PM – Buzzards Bay Park – Mary Ann Singersen.

Chair Meier said that the proof of insurance has been submitted.

Voted: Mary Jane Mastrangelo moved, and George Slade seconded to allow Mary Ann Singersen on behalf of ALS to use Buzzards Bay Park as a staging area for a seven (7) mile walk along the Cape Cod Canal service road setting up on September 10, 2022, from 9:00 AM to 4:00 PM with the walk occurring on September 11, 2022, from 7:30 AM to 4:00 PM, subject to review with the Police Department 30 days prior to the event.

Vote: 5-0-0.

7.b. Discussion and possible vote to approve an application for Telling Fortunes by M. Layton

This item is not going forward at the recommendation of the Police Department. Mr. Cannon said that this is the first fortune-telling license that has been done in Bourne, and the Police Department has some questions and needs clarification.

8. Selectmen's Business

a. Food truck permitting update.

8.a. Food truck permitting update.

Mr. Cannon said that the staff has been working to get the process for getting food trucks approved and to try to streamline the process.

9. Minutes: 1/13/2021 and 1/18/21 and Exec Session Minutes from 4/8/21

Voted: Judy Froman moved, and Mary Jane Mastrangelo seconded to approve the minutes of January 13, 2021

Vote: 5-0-0.

The date was incorrect – Judy Froman withdrew her motion and Mary Jane Mastrangelo withdrew her second.

Minutes of January 18, 2021 - Deferred – incorrect date on agenda.

Exec Session Minutes from 4/8/21:

Chair Meier said that there is a correction – Jim Potter was listed twice, and Chair Meier was not listed.

Voted: Judy Froman moved, and George Slade seconded to approve the Executive Session minutes of April 8, 2021, with the correction made.

Vote: 4-0-1. Mary Jane Mastrangelo abstained.

Voted: Judy Froman moved, and Jared MacDonald seconded to release for disclosure the Executive Session minutes of April 8, 2021, after being corrected and sent to the Records Access Officer.

Vote: 4-0-1. Mary Jane Mastrangelo abstained.

10. Correspondence

Clerk Gero Slade listed the correspondence:

- Robert Wheeler – Talent Bank form submitted for the Energy Advisory Committee.
- Judith House – Talent Bank form for the Historic Commission.
- Stephen Mealy - Talent Bank form seeking re-appointment as Town Representative to the Cape Cod Commission.
- Alexander Fleming - Talent Bank form for being interested in serving on the Bourne Cultural Council.
- Kara Garcia - Talent Bank form seeking re-appointment as Human Services Representative to the Bourne Housing Authority.
- Several letters related to the clean-up regarding Holtec.
- EPA letter dated 2/17/22 regarding Holtec.
- Upper Cape Tech School Committee minutes of January 13, 2022.
- An abutter notices for 4 Kennebec Avenue seeking to raze a building and 2 sheds and re-build one new dwelling.

Mr. Slade said that these documents can be reviewed on the Town website in the calendar section under today's date – click on BOS meeting and scroll to correspondence.

- 11. Committee Reports** – Judy Froman said that this past week the Cape Cod Metropolitan Planning Organization meeting was held. She said they are in full force planning the 2023 to 2027 TIP (Transportation Improvement Projects) projects. She said that some of the things that they talked about were the trolley that was promised to Bourne a few years ago and select projects with the Unified Planning Work Program regarding complete streets and roadway safety. They talked about electric vehicle charging stations and there is some money out there for that. She said there also was an update from a gentleman from MassDOT regarding the bridges, and he said that they are looking at utilities in the area and they are finishing up the borings to understand the sediment in the area. Ms. Froman concluded her report by saying in March they will be voting on the 2023 to 2027 TIP.

12. Adjourn

Voted: George Slade moved, and Jared MacDonald seconded to adjourn.

Vote: 5-0-0.

Respectfully Submitted,

Kim Johnson, Recording Secretary

January 7, 2022

To: Glenn Cannon, Acting Town Administrator

From: Judith Riordan Bourne Hist. Comm.

Re: Sign for Buzzards Bay Park

Glenn, So sorry to have to bother you w these matters at such a busy time at Town Hall. However, Barry identified you as the point person for these matters. The Design Review Comm approved the proposal, as you are aware. You requested photos prior to determining any Selectboard review. These photos show how the sign would look and what would be displayed on it. I do think that there would be some coloring to enhance the sign itself. The original Buzzards Bay photo is in black and white. The money has a yellow tint to it in the actual photo that is in the archives. The sign is anticipated to be 24"x36" and 36" high. I am available to meet with the Selectboard if needed. The sign would be placed adjacent to the Buzzards Bay Bank pediment that is located near the band stand. The sign company will provide a template prior to completing the actual sign. I do not want to engage work until we have approval. The Historical Commission would like to obtain authorization to move ahead with the expectation that the sign might be ready for the summer season. Thank you for your time and attention.

Judith Riordan



A handwritten signature in blue ink, appearing to read "Judith", written over the redacted area.

Fiberglass Embedment (FE)

When Pannier created the art of Fiberglass Embedment, it was primarily to serve the needs of the transit industry. They needed durable outdoor graphics. Since then, that tough-as-nails sign has evolved, and been made beautiful to serve museums, zoos, parks, college campuses, and so on. We have not stopped improving the product, and through utilizing better raw materials, improved processes, and advanced technology, FE has become the only product on the market today that has proven its endurance – since 1978.

Pannier's embedment process ensures optimum graphics quality that stand the test of time. Each sign and panel features solid, one-piece construction, leaving no seal to compromise.

Fiberglass signs and panels are virtually maintenance free, giving you sustainability and cost-effectiveness over time.

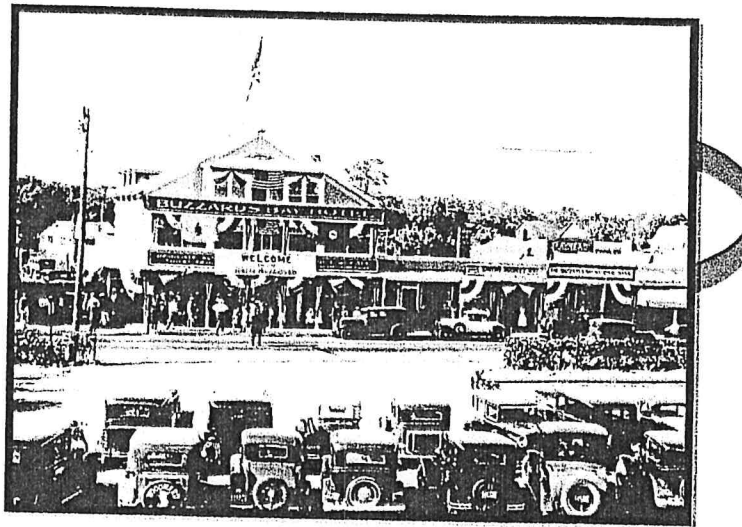


Type here to search



3:30 PM

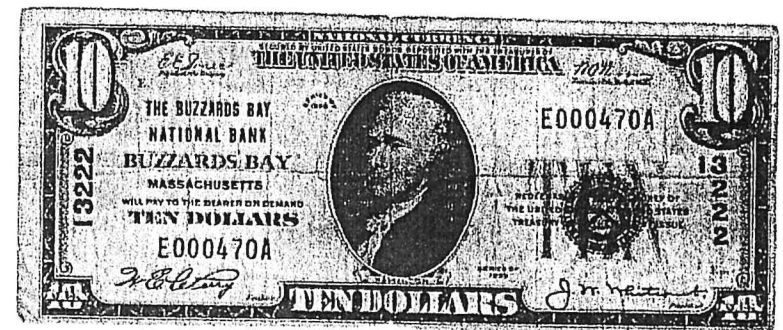
Buzzards Bay National Bank Main Street, Buzzards Bay



The village of Buzzards Bay was a thriving center of business through the decades of the 1930's, 1940's and 1950's. The Buzzards Bay National Bank opened its doors at 73 Main Street, Buzzards Bay on Monday, July 16, 1928.

The Buzzards Bay Bank eventually moved to 121 Main Street and had three branches: Pocasset, Sandwich, and Buzzards Bay. Total Assets were \$15,889,000 and Total Deposits were \$14,459,000. The Bank was assigned Charter Number 13222. This number was used by the Bank when, as needed, it printed money.

In 1929 the Bank printed 998 sheets of \$5 dollar bills, 584 sheets of \$10 dollar bills, and 182 sheets of \$20 bills. The Bank also printed 1,194 individual bank notes of \$5; 520 bank notes of \$10; and 150 bank notes of \$20. The Bank printed money for eight years.



**South Side Fire Station
Building Committee Charge
and Membership**

COMMITTEE CHARGE

The South Side Fire Station Building Committee is appointed by and reports to the Board of Selectmen. The charge of the committee is to make recommendations to the Board of Selectmen and Town Meeting regarding the feasibility, design, siting and construction of a new replacement Fire/EMS station or stations on the south side of the Cape Cod Canal.

To carry out this charge, committee members will:

1. Review previous documents and studies, review current and anticipated call volumes, determine the departmental and facility needs, recommend solutions including the physical space requires for a modern fire station (meeting room, sleeping area, etc.), conduct a response time study for all current and proposed fire station locations in the Town, and recommend potential fire station locations based on current and anticipated call volumes.
2. Formulate recommendations to the Board of Selectmen and Town Meeting that include plans, locations, staffing, timelines and funding strategies.
3. The committee will make quarterly progress reports to the Board of Selectmen until the project is completed. The Board of Selectmen will assess progress of the committee every 12 months. Annual reports to the Town Meeting are recommended.
4. Once the project is authorized by Town Meeting, and a debt exclusion ballot vote if required, the building committee shall be responsible for the oversight of all work relating thereto, including site planning, preliminary architectural drawings, final plans and the oversight of all construction and approval of all invoices.
5. Report to the Board of Selectmen on Committee activities, projects and construction progress at major milestones, such as recommendation on location and preliminary building design.
6. Subject to the approval of the Town Administrator utilize funding that has been previously appropriated by Town Meeting and the services of the Owners Project Manager and Architect that have been contracted under the previous Town Administrator appointed South Side Fire Station Feasibility and Design Building Committee.

The Committee shall meet at least monthly and more often if required. A majority of members must be present for the Committee to meet and conduct any business scheduled before it. All meetings of the Committee or any Sub-Committee are to be held in a public location, properly posted and open to the public, in accordance with the Massachusetts Open Meeting Law, as amended. Minutes of each meeting shall be prepared and approved by the Committee in conformity with applicable state and local requirements and shall, at a minimum, be distributed to the Town Clerk.

COMMITTEE MEMBERSHIP

The South Side Fire Station Building Committee shall consist of up to nine members with a knowledge of or experience in engineering, construction, finance and/or Fire/EMS administration and construction management or as a representative of south side or other residents. Membership shall include one member of each of the following:

- The Board of Selectmen appointed by its membership.
- The Finance Committee shall select one of its members.
- The Capital Outlay Committee shall select one of its members.
- The Fire Chief shall be a voting member.
- Second member of the Fire Department who shall be a voting member.

The Board of Selectmen shall appoint up to four at-large members with experience in the areas described above. The Town Administrator or designee shall serve as a non-voting *ex-officio* member and shall attend meetings. The term of each Committee member is until the project is completed or until revoked.

TALENT BANK FORM

ACT NOW- SERVE YOUR COMMUNITY

Town government needs citizens who are willing to give time in the service of their community. The Talent Bank was adopted by the Selectmen, Moderator and Town Administrator as a means of compiling names of interested citizens to serve on a voluntary basis, on boards and committees and working groups. This file is available for use by the public as well as the Moderator, Selectmen and Town Administrator. Talent bank forms are being updated to include categories consistent with the changing needs of the Town. Indicate your preference and return the form to:

TOWN GOVERNMENT TALENT BANK

c/o Town
Administrator,
24 Perry Avenue
Buzzards Bay, MA
02532

BOURNE BD OF SELECTMEN
ROUD 2022 FEB 9 AM 10:24

NAME: Larry Specter DATE: 2/6/22
ADDRESS: [REDACTED] Precinct: 6
OCCUPATION: Retired TELEPHONE: [REDACTED]
BACKGROUND: Emergency medicine physician for 38.5 years/ EMD knowledge worked w/

Boys & Girls Club
Sex 14.5
year

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	VETERANS GRAVES OFFICER
	OTHER (please list)

TALENT BANK FORM

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TOWN GOVERNMENT TALENT BANK

c/o Town Administrator,

24 Perry Avenue

Buzzards Bay, MA 02532

BOURNE BD OF SELECTMEN
ROUD 2022 FEB 8 PM3:16

NAME: PETER C. LINDBERG

DATE: 2/7/2022

ADDRESS: [REDACTED] RD, MONUMENT BEACH PRECINCT: 7

OCCUPATION: RETIRED/SELF EMPLOYED TELEPHONE # [REDACTED]

BACKGROUND: LIFE LONG RESIDENT, RETIRED FIREFIGHTER, ASSOCIATES DEGREE IN ARBORCULTURE + PARK MANAGEMENT, STOCKBRIDGE SCHOOL OF AGRICULTURE, PAST MEMBER OF SOUTH SIDE FIRE STATION COMMITTEE

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	TASK FORCE ON LOCAL POLLUTION/PHASE II STORMWATER MANAGEMENT COMMUNITY OVERSIGHT PROGRAM - membership shall consist of seven (7) members of the general public, at least two of whom, if possible, shall have a professional background in science, law or engineering.
	PRIVATE ROADS ACCEPTANCE - On an annual basis we will have to establish a prioritization process to see what roads will be brought before the town for consideration.
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	RECYCLING - Provide advice and assistance to the Board of Selectmen, the ISWM General Manager and Town residents concerning recycling requirements and procedures. Assist the Board of Selectmen with public education concerning recycling, composting and source reduction.
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	SPECIAL WORKS OPPORTUNITY PROGRAM - SWOP's mission statement is to provide social opportunities to adults with intellectual disabilities residing in the Town of Bourne. We do this through social settings that foster independence and cultivate respect and support through community involvement.
	STREET AND TRAFFIC – Look into the current street lighting.
	TOWN ADMINISTRATORS ADVISORY COMMITTEE ON PEDESTRIAN BICYCLE PATHWAY - to assist in the creation of a pedestrian and bicycle pathway within the geographic boundaries of the Town of Bourne, connecting with the Shining Sea pathway in Falmouth
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	VETERANS GRAVES OFFICER
	OTHER (please list)

Message:

To the honorable Select Board,

Good afternoon, my name is Robb Christensen, I reside at [REDACTED] I am writing to you to express my interest in joining the Southside Fire Building Station Committee. As a retired Fire Lt./EMT from the Yarmouth Fire & Rescue Department, I believe I can be a great asset in assisting not only the town, but working in conjunction with the Bourne Fire Dept. I retired from the Fire Service in 2015 and from YFD in 2011. My career with Yarmouth Fire started at the age of 16 in June of 1983 as an Auxiliary Firefighter, being promoted to the Call Dept. at 18 years old in 1984. Along with my time with Yarmouth FD, I was also a Fire Instructor at the Barnstable County Fire Academy from 1991.

During my time at YFD, I served on several committees such as the Safety Committee, Muscular Dystrophy Association (MDA) serving as President for 2 years, Response Time and New Fire Station location study committee representing Local-2122, Fire Engine design committee, and Ladder Truck committee. For 10 years I was S.A.F.E. (Safety Awareness for Fire Education) Instructor, delivering fire safety to the elementary schools in town and bringing home kitchen safety awareness to the elderly at the senior center, retirement communities, and housing authority. I developed an Ice Safety Awareness program in conjunction with the American Red Cross which I delivered a hands-on class to elementary and middle school students

I have also been a CPR/AED Instructor since 2001. My current time is spent being a Vaccinator for the Brewster Ambulance Co. through the PFFM, Last Mile Vaccine Delivery/Mascon along with vaccine administration and Covid testing.

In closing, I believe my experience of being in the fire service for over 30 years, my position in helping attain a new Fire Station Number 3 with the YFD. Working with the company hired by the town of Yarmouth to study apparatus response time throughout my previous home town. For all of these aforementioned reasons, I feel like my experience and rich knowledge base of the fire service will be a great benefit in working with Bourne Fire and the town of Bourne.

Sincerely,

Robb C. Christensen

This email has been scanned for spam and viruses by Proofpoint Essentials. Click [here](#) to report this email as spam.

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TOWN GOVERNMENT TALENT BANK

c/o Town
Administrator,
24 Perry Avenue
Buzzards Bay, MA
02532

NAME: ROBB C. CHRISTENSEN

DATE: 8/3/2021

ADDRESS: [REDACTED]

PRECINCT: 3

OCCUPATION: RETIRED TELEPHONE # [REDACTED]

BACKGROUND: I AM A RETIRED VERNON H. L. INVESTIGATOR / EMT
1983-2011 / ALSO RETIRED FIRE INSTRUCTOR 1991-2005
PASS SUBSTITUTE TEACHER SANDWICH, DIGHTON - TRENBOTH

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	VETERANS GRAVES OFFICER
	OTHER (please list)

BOURNE BD OF SELECTMEN
RCUD 2021 AUG 3 AM 11:59

South Side Fire Station Building Committee

The Bourne Board of Selectmen is seeking up to four Bourne residents to serve as at-large members on the South Side Fire Station Building Committee. Members shall have a knowledge of, or experience in, engineering, construction, finance and/or Fire/EMS administration and construction management. In addition to the at-large members there will be a representative from the Selectmen, the Finance Committee, Capital Outlay Committee as well as the Fire Chief and one other Fire Department representative.

The Committee will report to the Board of Selectmen and make recommendations regarding the feasibility, design, siting and construction of a new replacement FIRE/EMS station on the south side of the Cape Cod Canal.

Any interested applicants should complete a Talent Bank Form, available in the Office of the Board of Selectmen, 24 Perry Ave., Buzzards Bay and on the South Side Fire Station Building Committee page on the Town website at www.townofbourne.com. Forms must be received by 4:00 pm on Thursday, Feb. 24, 2022 either at Town Hall or by email to kthut@townofbourne.com.

Publication Date: Feb. 11, 2022; Bourne Enterprise

BOURNE BD OF SELECTMEN
FEB 16 PM 12:35

William W. Meier

Buzzards Bay, MA 02532

2/16/2022

Mr. George Slade
Bourne Board of Selectmen
24 Perry Avenue
Buzzards Bay, MA 02532

Dear Mr. Slade:

I, William W Meier, would like to be considered for a position on the Bourne South Side Fire Station Building Committee.

I am a lifelong resident of the town presently serving as an elected member of the Bourne Veteran's Memorial Community Building, Board of Trustees, Bourne Board of Health and an Alternate Member of the Bourne Planning Board.

The Bourne Town Administrator previously appointed me to this committee. As well as, the New Bourne Police Building Committee and the Wastewater Facility Building Committee.

The Town of Bourne Moderator appointed me to the Bourne Intermediate School Building Committee.

Your Board appointed me to the Public Works Facility Building Committee.

Thank you for your consideration to this matter.

Respectfully,



William W Meier



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c/o Town Administrator,
24 Perry Avenue
Buzzards Bay, MA 02532

NAME: William W. Meier

DATE: 02/23/22

ADDRESS: [REDACTED] Buzzards Bay, MA 02532

PRECINCT: 3

OCCUPATION: heavy Equipment Operator **PHONE** [REDACTED]

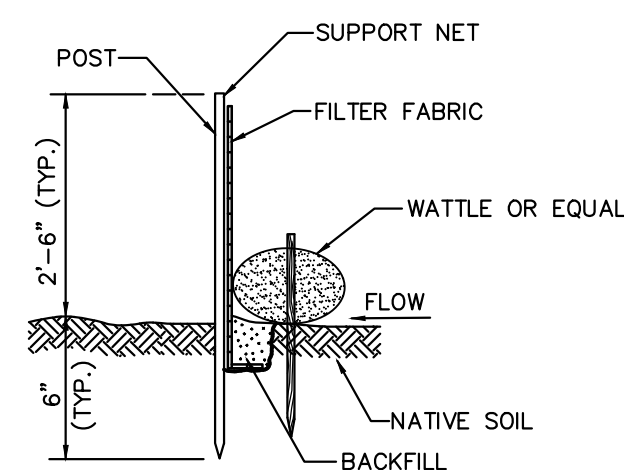
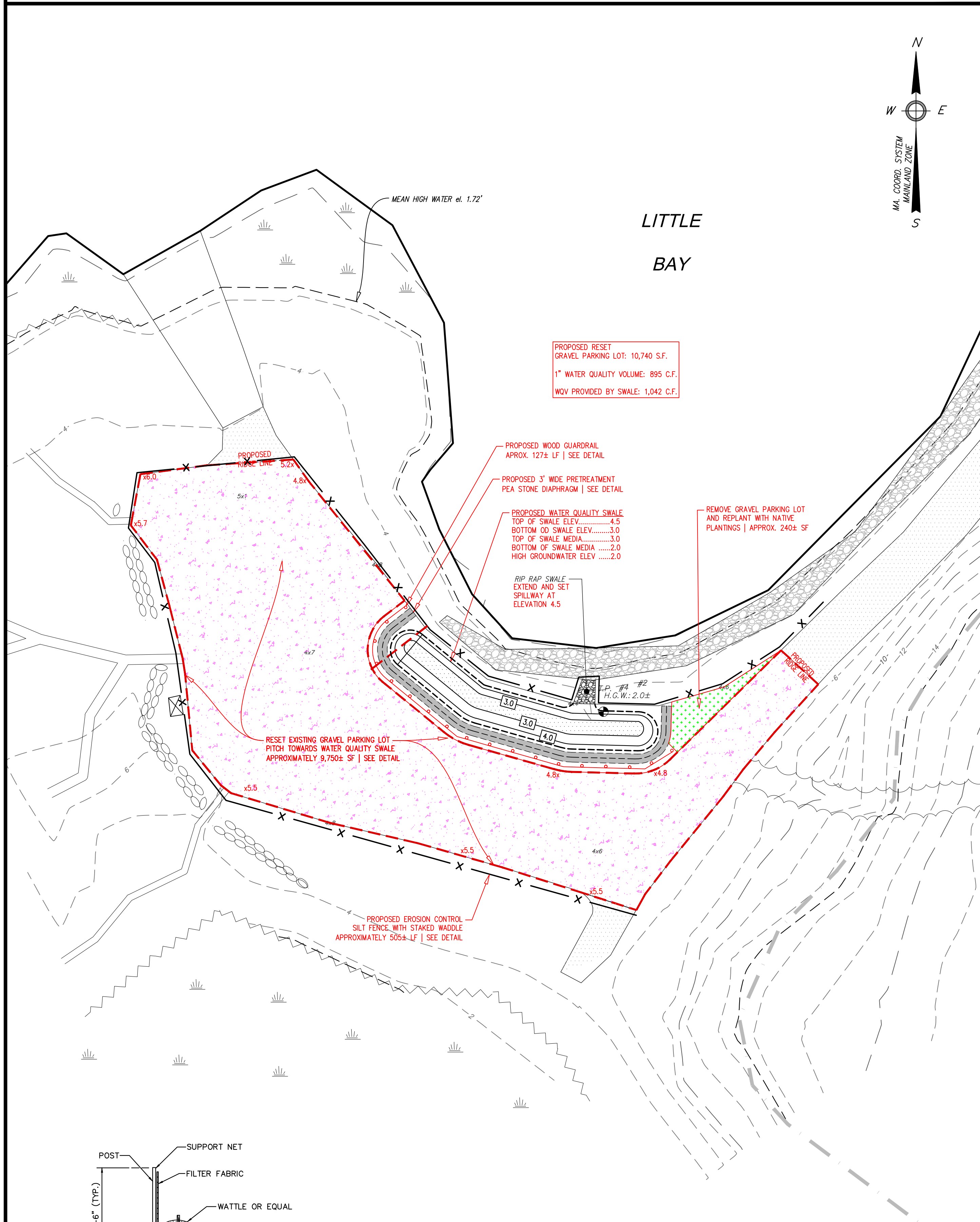
BACKGROUND: Lifelong resident of town presently serving as Trustee on Veteran's Memorial Community Building, Board of Health and Alternate Planning Board Member

Check	AREAS OF INTEREST (LIST ORDER OF PREFERENCE)
	AFFORDABLE HOUSING TRUST - provides the Town with many tools to create and preserve affordable housing, including the ability to option, lease, purchase, renovate, and lease out or sell real estate.
	ZONING BOARD OF APPEALS - The Board of Appeals shall have and exercise all the powers granted to it by Chapters 40A, 40B, and 41 of the General Laws, and by this Bylaw, those powers being to hear and decide applications for Special Permits upon which the Board is empowered to act under this Bylaw; to hear and decide petitions for variances, excluding variances for use; to hear and decide other appeals from any aggrieved person, officer, or board, or the Cape Cod Planning and Economic Development Commission, to issue comprehensive permits as provided by Sections 20-23, Ch.40B, G.L., and in special cases to issue withheld building permits, as provided by Section 81Y, Ch.41, G.L.
	BOARD OF ASSESSORS
	BARNSTABLE COUNTY COASTAL RESOURCES - is the County's coastal advisory committee, serves as a liaison between towns and the County on coastal issues and is the local governance committee for the Cape Cod region of the Massachusetts Bays Program.
	BARNSTABLE COUNTY HOME CONSORTIUM - is comprised of 15 communities on Cape Cod. Jurisdiction to receive and disburse HOME funds.
	BARNSTABLE COUNTY HUMAN RIGHTS COMMISSION - To promote and protect the basic human rights of all persons in Barnstable County
	BUZZARDS BAY ACTION - The mission of the Buzzards Bay Action Committee is to improve collaboration among watershed municipalities.
	BY-LAW COMMITTEE - Reviews and also recommends updates or changes to the Town By-laws
	CABLE ADVISORY COMMITTEE- performs research/makes recommendations for cable license renewal
	CAPE & VINEYARD ELECTRIC COOPERATIVE - was organized on September 12, 2007. Provides for the establishment of energy cooperatives.
	CAPE COD COMMISSION - is an agency within Barnstable County regional government, but with its own separate and unique funding source, the Cape Cod Environmental Protection Fund.
	CAPE COD WATER PROTECTION COLLABORATIVE - to help Cape Cod and Islands towns pay for necessary wastewater infrastructure and water quality remediation projects.

	CAPE LIGHT COMPACT - mission is to serve our 205,000 customers through the delivery of proven energy efficiency programs, effective consumer advocacy, and renewable competitive electricity supply.
	CAPITAL OUTLAY COMMITTEE – Reviews requests and makes recommendations to the Town Administrator on large equipment or building projects
	CHARTER COMPLIANCE COMMITTEE – Hears and adjudicates complaints filed alleging Charter Violations
	CHARTER REVIEW COMMITTEE –Reviews Charter every five years
	COMMISSION ON DISABILITIES - cause the integration and participation of people with disabilities; assists municipal officials in ensuring compliance with the ADA and other state/federal laws
	COMMUNITY ACTION COMMITTEE OF CAPE COD & ISLANDS, INC. - is a private, non-profit organization that provides a variety of services to low-income individuals and families to help them improve the quality of their lives and achieve self-sufficiency.
	COMMUNITY ENGAGEMENTS - mission is to sponsor and encourage community events, projects, activities, services, programs, and public improvements which are of mutual interest to the visitors and residents of the Town of Bourne, and, which strengthen the Town by fostering community involvement and spirit. The Committee shall create an application for funding and invite organizations or individuals to submit on events or activities that will benefit the Town of Bourne and its citizens. In no event may a Member present a project before the Committee. The committee shall provide quarterly reporting to the Board of Selectmen and Town Administrator.
	COMMUNITY PRESERVATION COMMITTEE will give preference to proposals Are eligible for Community Preservation Act (CPA) funding according to the requirements described in the CPA legislation; specifically, The acquisition, creation, and preservation of open space. The acquisition, preservation, rehabilitation, and restoration of historic resources. The acquisition, creation, and preservation of land for recreational use. The creation, preservation, and support of community housing (including items such as annual payments to the housing authority to preserve or expand the affordable housing supply). The rehabilitation and restoration of open space, land for recreational use, and community housing that is acquired or created using monies from the fund.
	CONSERVATION COMMISSION- administers the Wetlands Protection Act, Local Wetlands bylaws
	COUNCIL ON AGING- coordinates programs designed for the needs of aging in coordination with the MA Executive Office of Elder Affairs
	CULTURAL COUNCIL - reviews applications for local arts and cultural events and awards grant funds received from the MA Cultural Council.
	DESIGN REVIEW BOARD (DRB)- reviews alterations, including demolitions of properties located within the demarked areas, adopts design guidelines, rules/regulations
	EDUCATION/SCHOLARSHIP
	FINANCE COMMITTEE- reports to town meeting on the proposed budget of town manager and any warrant articles having a fiscal impact on the Town.
	HISTORICAL COMMISSION - caretakers of the Town history.
	HOUSING PARTNERSHIP - addresses local housing needs through a collaborative effort between local govt., community organizations, banks and the private sector.
	HUMAN SERVICES - The Committee is charged with recommending policies and potential programs to the Town Administrator related to the delivery of human services to the citizens of Bourne.
	LANDFILL BUSINESS PROJECT MODEL WORKING GROUP-Make recommendations on long term viability of the Integrated Solid Waste Management Department to the Town Administrator and Selectmen
	LOCAL EMERGENCY PLANNING COMMITTEE - mission is to provide residents with an emergency response program for hazardous materials incidents, extreme weather, and other high impact events.

	OPEN SPACE COMMITTEE - was formed in 1999 for the purpose of recommending acquisitions of interest in real property to be owned or managed by the Conservation Commission or other designated nonprofit organization or in the case of interests to acquire sites for future wellhead development for a Water Resource District.
	TASK FORCE ON LOCAL POLLUTION/PHASE II STORMWATER MANAGEMENT COMMUNITY OVERSIGHT PROGRAM - membership shall consist of seven (7) members of the general public, at least two of whom, if possible, shall have a professional background in science, law or engineering.
	PRIVATE ROADS ACCEPTANCE - On an annual basis we will have to establish a prioritization process to see what roads will be brought before the town for consideration.
	RECREATION COMMITTEE – Works with the Director of Recreation on long term planning for the recreational needs of the Town
	RECYCLING - Provide advice and assistance to the Board of Selectmen, the ISWM General Manager and Town residents concerning recycling requirements and procedures. Assist the Board of Selectmen with public education concerning recycling, composting and source reduction.
	REGISTRAR OF VOTERS - The Board of Registrars responsibilities include registering voters, making local listings of residents, certifying nomination papers and petitions, processing absent voter applications and administering election recounts.
	SELECTMEN’S ENERGY ADVISORY COMMITTEE - assist the Board of Selectmen on the investigation, research and consideration of siting and utilizing alternative forms of energy for municipal purposes.
XXX	SOUTH SIDE FIRE STATION BUILDING COMMITTEE - To make recommendations regarding the feasibility, design, siting and construction of new, replacement Fire/EMS station on south side of Cape Cod Canal.
	SHORE AND HARBOR COMMITTEE – Works on plans, future development and recommends regulatory change and enforcement
	SPECIAL WORKS OPPORTUNITY PROGRAM - SWOP’s mission statement is to provide social opportunities to adults with intellectual disabilities residing in the Town of Bourne. We do this through social settings that foster independence and cultivate respect and support through community involvement.
	STREET AND TRAFFIC – Look into the current street lighting.
	TOWN ADMINISTRATORS ADVISORY COMMITTEE ON PEDESTRIAN BICYCLE PATHWAY - to assist in the creation of a pedestrian and bicycle pathway within the geographic boundaries of the Town of Bourne, connecting with the Shining Sea pathway in Falmouth
	TRANSPORTATION ADVISORY COMMITTEE - shall have the following responsibilities on transportation-related projects proposed by the town and others and shall include, but not limited to, highways and other roadways, rail services, bus services, shuttle services and transportation facilities.
	WASTEWATER ADVISORY COMMITTEE - To serve as advisors to the Town Administrator and Bourne Board of Sewer Commissioners in the areas of public policy and long-range planning as it relates to the implementation of the Comprehensive Wastewater Management Plan.
	WASTEWATER FACILITY DESIGN AND BUILDING - To serve as advisors to the Town Administrator and Bourne Board of Sewer Commissioners as it prepares the final design, siting and construction of a 100,000 gpd facility within Buzzards Bay.
	UPPER CAPE REGIONAL TRANSFER STATION - is the body that oversees all operations for the municipally-owned regional solid waste transfer station located on Joint Base Cape Cod (JBCC) in Sandwich.
	VETERANS GRAVES OFFICER
	OTHER (please list)

SCALE: 1"=20'

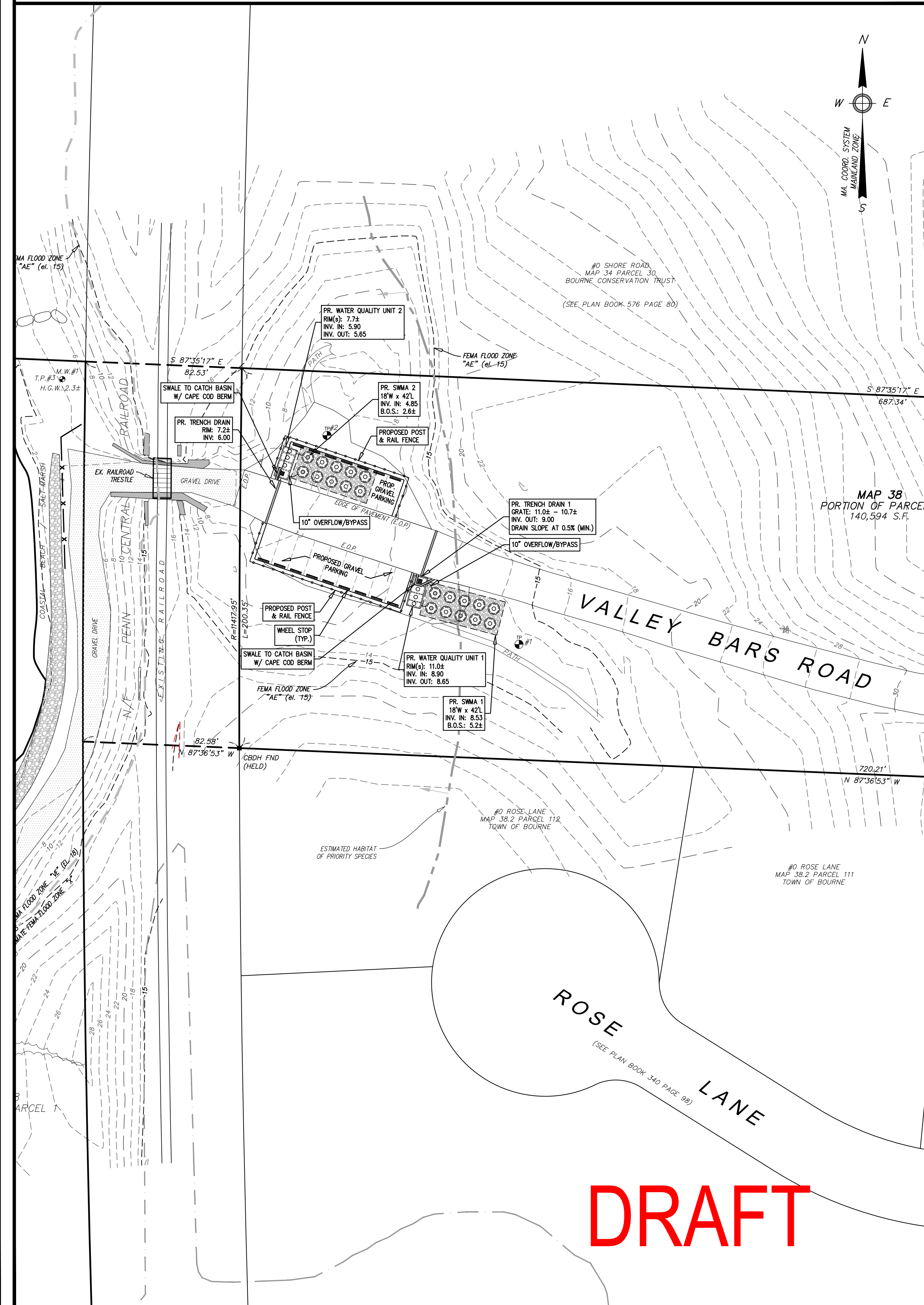


SILTATION FENCE DETAIL
NOT TO SCALE

WATER QUALITY / WET SWALE PLANT SCHEDULE							
SYMB.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	SPACING	QUANTITY	
SHRUBS							
CA	<i>Galearia dioica</i>	Sweet Pepperbush	18"-24" HT.	3 GAL.	PLANT 4' o.c.	27	
VC	<i>Vaccinium corymbosum</i>	Highbush Blueberry	18"-24" HT.	3 GAL.	PLANT 5' o.c.	23	
SHADE & ORNAMENTAL TREES							
PCC	<i>Pyrus calleryana</i> 'Chanticleer'	Cleveland Select Callery Pear	3" Cal.	B & B	AS SHOWN	1	
ORNAMENTAL GRASSES & PERENNIALS							
CAK	<i>Calamagrostis acutiflora</i> 'Karl Foerster'	Feather Reed Grass	36" HT.	1 GAL.	plant 18" o.c.	5	
HJR	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	18" HT.	1 GAL.	plant 12" o.c.	12	

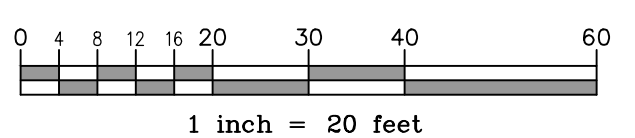
NE WETMIX (WETLAND SEED MIX) - SPREAD AT A RATE OF 1 POUND PER 2800 S.F. ALONG THE BOTTOM AND SIDES OF WET SWALE.
NE WETMIX SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC., 820 WEST STREET AMHERST, MA

SCALE: 1"=20'




1. DISTURBANCE OF SOIL SURFACES IS REGULATED BY STATE LAW. ALL WORK SHALL COMPLY WITH THE CRITERIA OUTLINED TO PREVENT OR MINIMIZE SOIL EROSION.
2. THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL COMPLY WITH ALL OF THE TOWN OF BOURNE, THE STATE OF MASSACHUSETTS AND FEDERAL REGULATIONS IN CONSTRUCTING THE EROSION AND SEDIMENTATION CONTROLS INDICATED ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DRAINAGE SWALES, TEMPORARY SEDIMENT BASINS AND OTHER METHODS TO MANAGE THE STORMWATER RUNOFF ON AND FROM THE SITE DURING THE DURATION OF SITE CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN ROADS, CONTROL DUST, AND TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.
5. THE CONTRACTOR IS RESPONSIBLE FOR TIMELY INSTALLATION, INSPECTION, REPAIR OR REPLACEMENT OF EROSION CONTROL DEVICES TO ENSURE PROPER OPERATION.
6. THE CONTRACTOR SHALL INSPECT AND REPAIR EROSION SEDIMENT CONTROL DEVICES AT THE END OF EACH WORKING DAY AND AFTER EACH STORM.
7. ANY EXISTING OR PROPOSED STORMWATER DRAINAGE STRUCTURES WHICH MAY BE SUBJECT TO SEDIMENTATION PROCESSES, INCLUDING CATCH BASINS (GRATES), INLET/OUTLET STRUCTURES, AND OUTFALL AREAS SHALL BE PROTECTED WITH SLOTTED WITH HAYBALES, CRUSHED STONE FILTERS, OR A SILT SACKS THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD, AS DIRECTED.
8. ALL TEMPORARY SOIL STOCKPILE AREAS AND TRENCH EXCAVATION SPOILS SHALL BE PROTECTED WITH A ROW OF STAKED HAYBALES AND/OR SILT FENCE AND WITH A NETTING OR EXCLOSER EROSION CONTROL MATTING) WHEN LEFT EXPOSED FOR LONG PERIODS OF TIME. ANY SUCH STOCKPILE AREAS SHALL BE PLACED IN AN APPROPRIATE UPLAND LOCATION AND COMPLETELY REMOVED PRIOR TO PROJECT CLOSE-OUT.
9. THE EROSION CONTROL MEASURES SHOULD BE CONSIDERED MINIMUM STANDARDS.
10. A SILT FENCE BARRIER IS TO BE INSTALLED AT THE PROPOSED DOWN GRADIENT TOE OF SLOPE AT ALL LOCATIONS WHERE EARTHWORK IS PROPOSED.
11. FILTER FABRIC SHALL BE "MIRAFI 140 N" PHILLIPS "SUPAC 5-P" OR APPROVED EQUAL. CONTRACTOR SHALL ADHERE TO MANUFACTURER SPECIFICATIONS FOR PLACEMENT AND INSTALLATION.
12. THE CONTRACTOR MUST KEEP ON-SITE, AT ALL TIMES, ADDITIONAL SILT FENCE FOR EMERGENCY INSTALLATION OR FOR INSTALLATION AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE, THE ENGINEER, OR THE TOWN OF ROCKLAND REPRESENTATIVE.
13. WHEN SILT HAS BUILT UP TO ONE-HALF THE HEIGHT OF THE EROSION CONTROL, IT IS TO BE REMOVED.
14. EXPOSED SLOPES GREATER THAN 50° IN LENGTH ARE TO HAVE HAYBALE CHECK DAMS, TERRACES AND/OR MULCHING INSTALLED IN ORDER TO REDUCE EROSION AND TO ENHANCE SURFACE STABILIZATION. IF CHECK DAMS ARE USED THEY SHOULD BE PLACED APPROXIMATELY 50' O/C, PARALLEL WITH THE FACE OF THE SLOPE.
15. AT THE END OF CONSTRUCTION ALL DRAINAGE STRUCTURES ARE TO BE CLEANED OF SILT, STONES AND OTHER DEBRIS. HAYBALES TO BE REMOVED AND DISPOSED OF IN ACCORDANCE TO ALL LOCAL REQUIREMENTS.
16. ALL EARTHEN PERIMETER SIDE SLOPES THAT ARE USED AND ARE NOT SCHEDULED FOR PERMANENT STABILIZATION WITHIN 30 DAYS OF COMPLETION ARE TO BE COVERED WITH HAY OR WOOD CHIP MULCH, BIODEGRADABLE EROSION CONTROL FABRIC, OR HYDROSEEDING WITH A TEMPORARY GRASS MIXTURE IF WEATHER CONDITIONS WILL BE CONDUCTIVE TO GERMINATION OF THE SEED.

PLAN SCALE



Prepared By:



BRACKEN
ENGINEERING, INC.

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Sheet Title:

PROPOSED LAYOUT, GRADING & DRAINAGE PLAN

Project:

EXISTING PARKING LOT PROPOSED
STORM WATER IMPROVEMENTS

PREPARED FOR:
TOWN OF BOURNE
MONK'S PARK | HOG HOUSE POINT
MAP 38 LOT 1

No.	Date	Revision	Description	By
Date:	FEBRUARY 8, 2022	Drawn:	BEI	Checked: ZLB/AMG Sheet: - of -

DRAFT

GENERAL CONSTRUCTION NOTES:

- ALL NECESSARY POLICE DETAIL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
- ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLING ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE TOWN, AND "DIGSAFE" (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACURATELY SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER, AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COST RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL UTILIZE ALL PRECAUTIONS AND MEASURES TO ENSURE THE SAFETY OF THE PUBLIC, ALL PERSONNEL, AND PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH OSHA STANDARDS, INCLUDING BARRICADES, SAFETY LIGHTING, CONES, POLICE DETAIL AND/OR FLAG MEN AS DETERMINED NECESSARY BY THE ENGINEER AND/OR TOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF POLICE DETAIL AND FOR COORDINATING WITH THE LOCAL OR STATE POLICE DEPARTMENT FOR ALL REQUIRED POLICE DETAIL.
- ALL TRENCHING WORK WITHIN A ROADWAY SHALL BE COORDINATED WITH THE PROPER LOCAL & STATE AGENCY. TRENCH SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INCLUDING ANY LOCAL AND/OR STATE PERMITS REQUIRED FOR THE TRENCH WORK. THIS WORK MAY BE REQUIRED TO TAKE PLACE OUTSIDE OF NORMAL HOURS OF OPERATION FOR THE FACILITY, THE CONTRACTOR SHALL PLAN ACCORDINGLY.
- THE CONTRACTOR SHALL MAKE ALL CONNECTION ARRANGEMENTS WITH UTILITY COMPANIES, AS REQUIRED.
- ALL IMPORTED MATERIAL, IF REQUIRED, SHALL BE CLEAN. NO MATERIAL WILL BE ACCEPTED FROM AN EXISTING OR FORMER SITE AS DEFINED BY THE MASSACHUSETTS CONTINGENCY PLAN 310 CMR 40.0000.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL GRADE STAKES SET BY THE SURVEYOR. GRADE STAKES SHALL REMAIN UNTIL A FINAL INSPECTION OF THE ITEM HAS BEEN COMPLETED BY THE ENGINEER. ANY RE-STAKING OF PREVIOUSLY SURVEYED SITE FEATURES SHALL BE THE RESPONSIBILITY (INCLUDING COSTS) OF THE CONTRACTOR.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (THE MASSACHUSETTS HIGHWAY DEPARTMENT 1988 STANDARD SPECIFICATION FOR HIGHWAYS AND BRIDGES, THE 2002 SUPPLEMENTAL SPECIFICATIONS AND THE 2006 SPECIAL PROVISIONS).
- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
- SOLID WASTES SHALL BE COLLECTED AND STORED IN A SECURED DUMPSTER. THE DUMPSTER SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS.
- THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, OTHER LANDSCAPING, AND/OR NATURAL FEATURES. WHEREAS THE PLANS DO NOT SHOW ALL LANDSCAPE FEATURES, EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK. ANY DAMAGED LANDSCAPING, SHRUBS AND/OR TREES SHALL BE REPAIRED AND/OR REPLACED AT THE SOLE COST OF THE CONTRACTOR.
- ALL UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 6-INCHES OF LOAM INSTALLED AND BE SEED WITH NATIVE SEED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAM AND SEEDS AREAS UNTIL PLANT GROWTH IS ESTABLISHED AND APPROVED BY THE ENGINEER AND/OR OWNER.
- ALL PROPOSED STRUCTURES SHALL BE DESIGNED BY THEIR MANUFACTURERS FOR AASHTO H-20 LOADING. PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED HEREIN.
- LEDGE OR BOULDER EXCAVATION IS NOT ANTICIPATED FOR THIS SITE. HOWEVER, THE CONTRACTOR SHALL PROVIDE A UNIT PRICE COST IN CUBIC YARD MEASURE FOR LEDGE AND/OR BOULDER REMOVAL. LEDGE AND/OR BOULDERS LESS THAN 1 CUBIC YARD IN SIZE BASED ON THE AVERAGE DIMENSIONS WILL NOT BE CONSIDERED PAYABLE ROCK. UNIT PRICE SHALL BE GIVEN FOR BOTH ON AND OFF SITE DISPOSAL. COST OF REPLACEMENT MATERIAL SHALL BE INCLUDED IF ADDITIONAL FILL MATERIAL IS REQUIRED.
- THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO AN APPROVED DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
- CONCRETE, ASPHALT OR CONSTRUCTION VEHICLES SHALL NOT BE WASHED ONSITE. ANY CEMENT, CONCRETE AND/OR DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- BURIAL OF ANY STUMPS, SOLID DEBRIS, AND/OR STONES/BOULDERS ONSITE IS PROHIBITED. NO ROAD SALT OR OTHER DE-ICING CHEMICALS SHALL BE USED ON THE PARKING AREAS, DURING OR AFTER CONSTRUCTION.
- IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER. ANY WORK REQUIRED TO BE MODIFIED, THAT WAS NOT PRE-APPROVED BY THE OWNER AND/OR ENGINEER SHALL BE REMOVED AND/OR CORRECTED AT THE CONTRACTOR'S SOLE EXPENSE.
- AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF ALL THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.

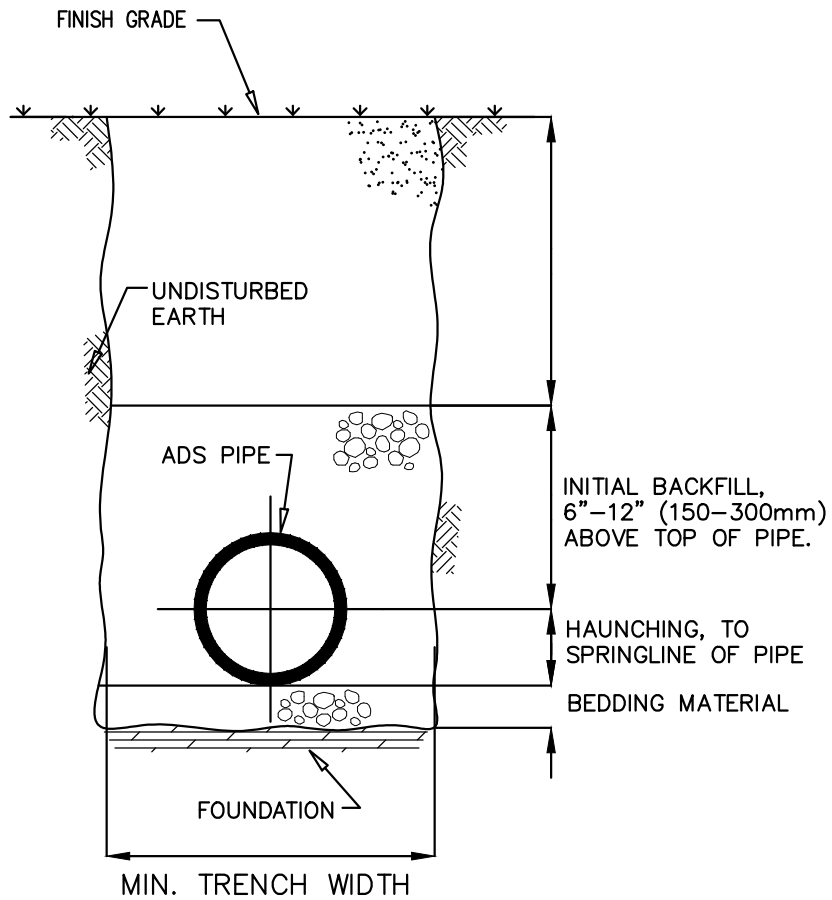
GENERAL GRADING & DRAINAGE NOTES:

- ALL CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AND/OR GRAVEL AREAS AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE TRANSITION.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- PROPOSED ELEVATIONS ARE SHOWN TO FINISH SITE GRADE UNLESS NOTED OTHERWISE.
- BACKFILL ADJACENT TO PIPES AND STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED SIX INCHES IN THICKNESS AND COMPACTED TO A DENSITY OF 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN +/- 2% OF OPTIMUM. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99. TESTING OF BACKFILL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COMPACTION TESTING RESULTS SHALL BE PROVIDED TO THE ENGINEER AND OWNER.

STORMWATER FACILITY OPERATION & MAINTENANCE:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME THAT THE PARKING LOT, AND ASSOCIATED UTILITIES ARE ACCEPTED BY THE OWNER AND THE ENGINEER.
- THE CONTRACTOR SHALL INSPECT AND RESTORE/CLEAN ALL FACILITIES (INLETS, MANHOLES, WATER QUALITY SWALES RAIN GARDENS, ETC.) OF SEDIMENT AND DEBRIS PRIOR TO THE OWNER'S ACCEPTANCE.
- ALL SEDIMENT AND DEBRIS SHALL BE DISPOSED OF PROPERLY IN A PRE-APPROVED LOCATION.
- THE CONTRACTOR SHOULD REFER TO THE OPERATION & MAINTENANCE PLAN FOR ADDITIONAL INFORMATION PERTAINING TO STORMWATER FACILITY OPERATION AND MAINTENANCE REQUIREMENTS AND SHALL MAINTAIN A WORKING COPY ON SITE AT ALL TIMES.
- ALL STORMWATER FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AFTER EVERY MAJOR RAINFALL EVENT OF 1" OR GREATER FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT AND THE FIRST 3 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION. ANY REPAIRS REQUIRED TO REPAIR THE SITE AFTER ANY MAJOR RAIN EVENT SHALL BE THE SOLE RESPONSIBILITY AND COST OF THE CONTRACTOR UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

NOTE: OPERATION AND MAINTENANCE CHECKLIST AVAILABLE UPON REQUEST



NOTES:

- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321. "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.

- BEDDING, HAUNCHING & INITIAL BACKFILL:** SUITABLE MATERIAL SHALL CONSIST OF CLEAN, HARD, PARTICLES OF GRAVEL MEETING THE FOLLOWING:

SIEVE SIZES	PASSING %
NO. 4	85-95%
NO. 8	5-15%
NO. 8	0-2%

MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100-600MM) AND 42"-48" (1050-1200MM) CORRUGATED POLYETHYLENE PIPE (CPEP); 6" (150MM) FOR 30"-36" (750-900MM) CPEP.

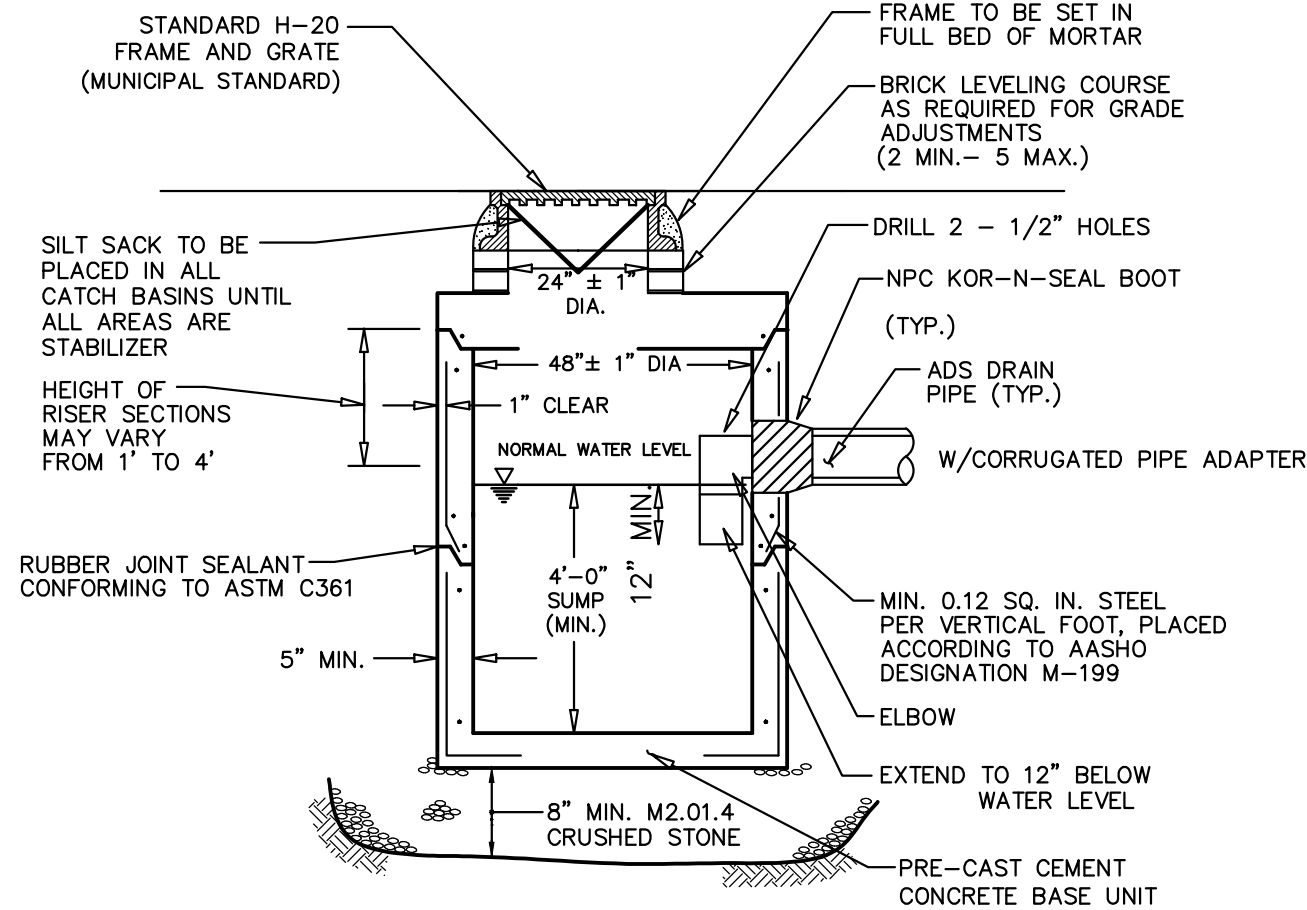
NOMINAL ϕ in (mm)	MIN. RECOMMENDED TRENCH WIDTH in (mm)
8 (200)	25 (630)
10 (250)	28 (710)
12 (300)	31 (790)
15 (375)	34 (860)
18 (450)	39 (990)

SURFACE LIVE LOADING CONDITION	COVER in (mm)
H25 (FLEXIBLE PAVEMENT)	12 (300)*
H25 (RIGID PAVEMENT)	12 (300)
E80 RAILWAY	24 (610)
HEAVY CONSTRUCTION	48 (1220)

*TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION

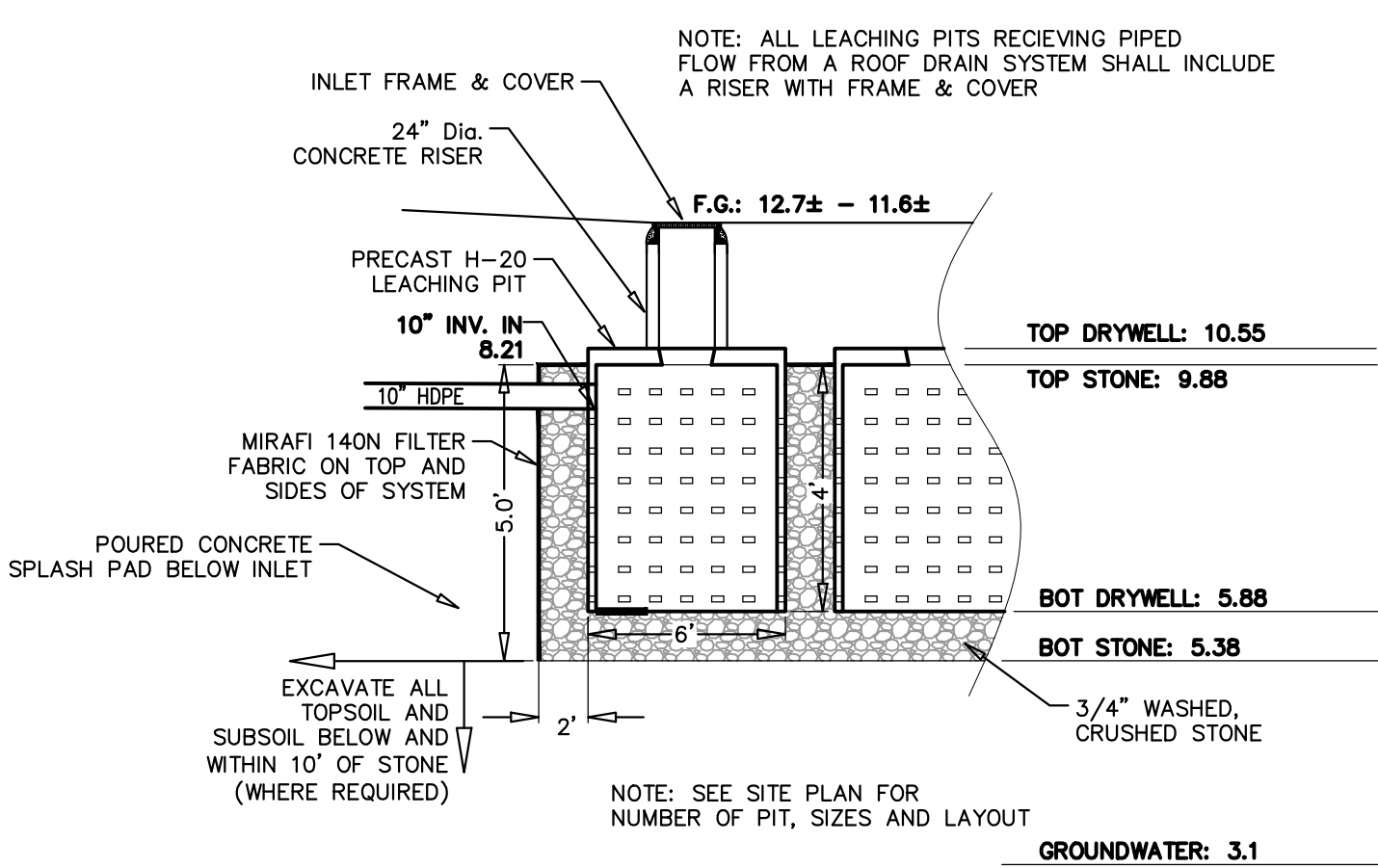
TRENCH CROSS-SECTION & A.D.S. PIPE INSTALLATION DETAIL

NOT TO SCALE



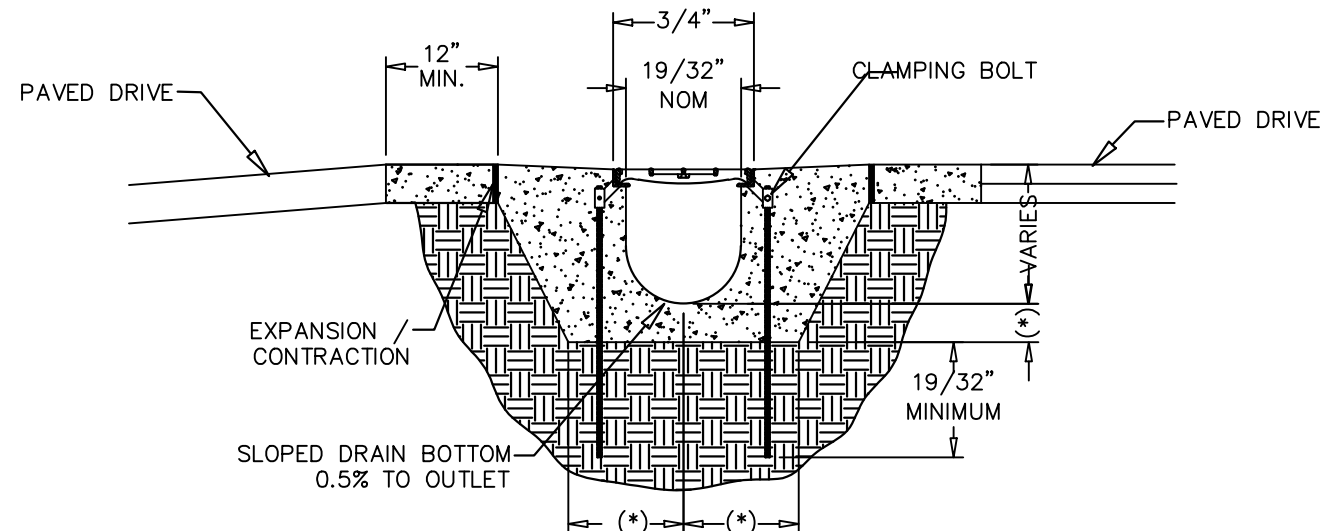
PRE-CAST CONCRETE CATCH BASIN

NOT TO SCALE



STORMWATER MANAGEMETN AREA #1 DETAIL

NOT TO SCALE

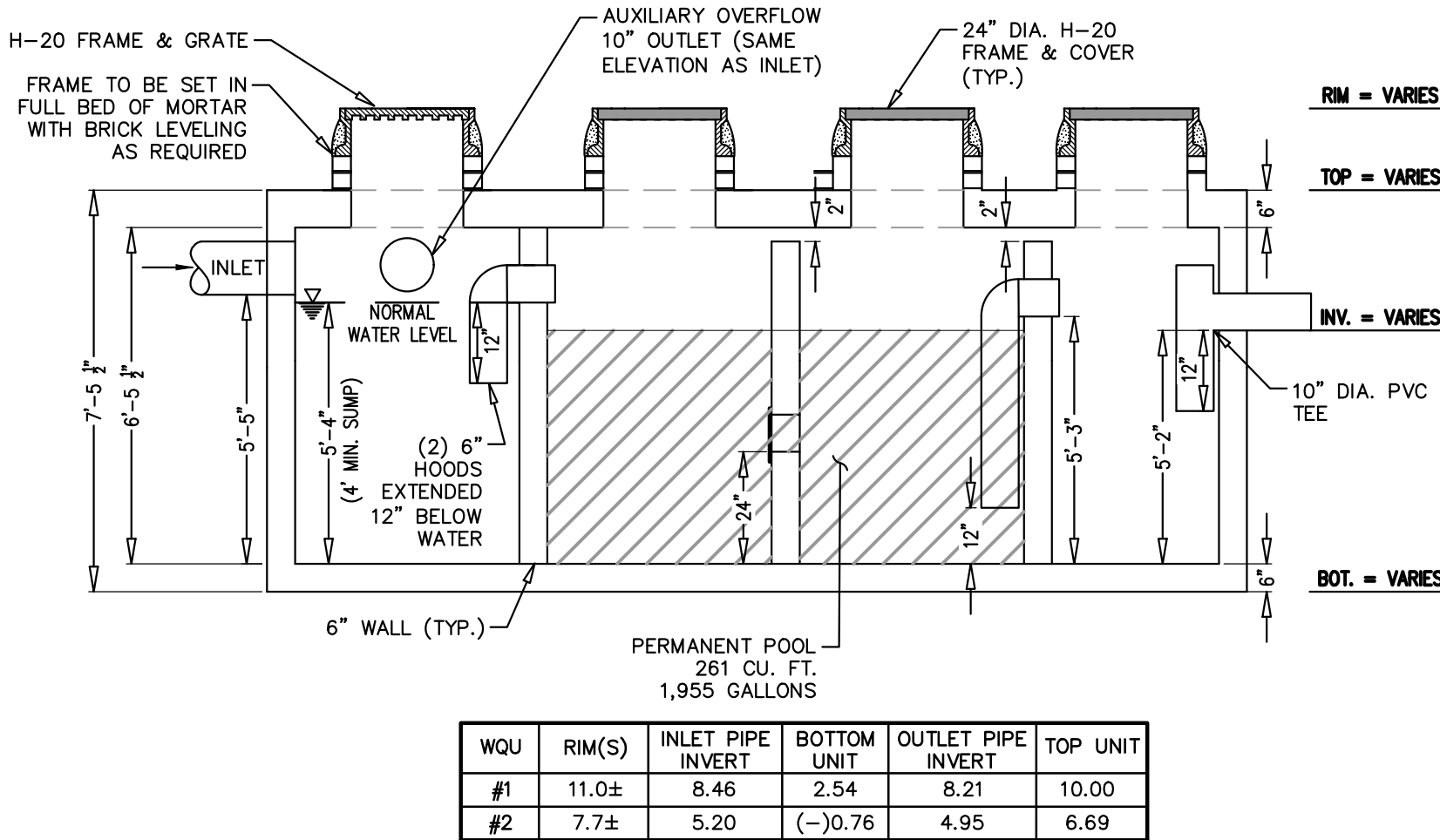
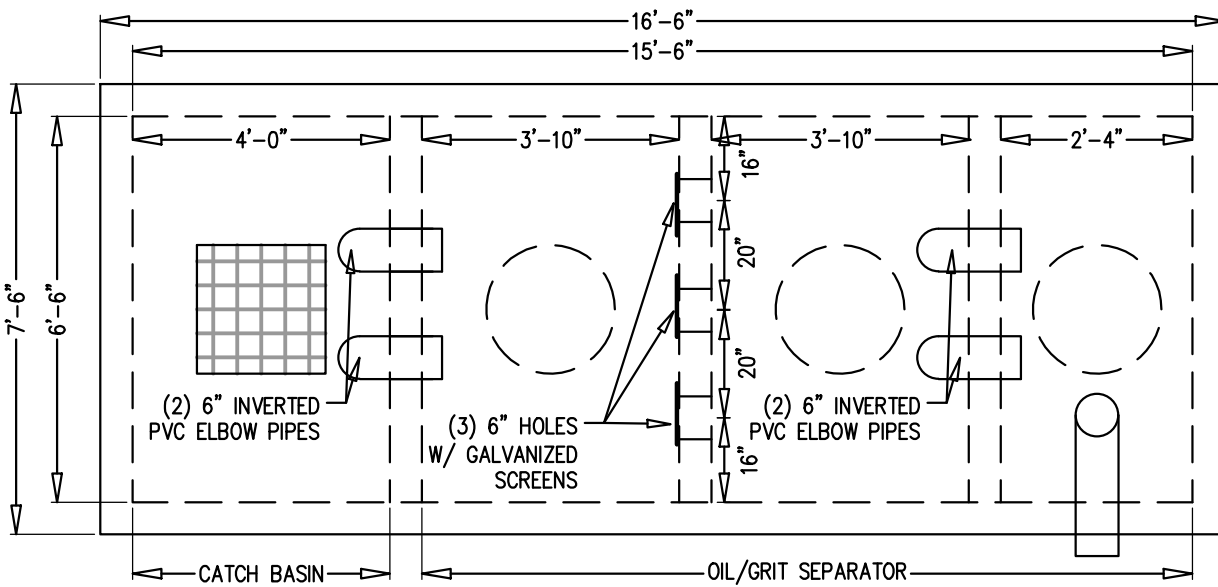


NOTES TO THE SPECIFIER:

- ADD REBAR AS REQUIRED
- SPECIFY REQUIRED DIMENSIONS (LABELED WITH *) USING 6" EACH SIDE OF STEEL FRAME AND BELOW EPS FORM AS A RECOMMENDED MINIMUM.
- SHOW TOP OF GRATE ELEVATION IN PLAN VIEW 4. EXPANSION / CONTRACTION JOINT PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES
- STANDARD CHANNEL LENGTH IS 8'-0" (96")
- STANDARD CHANNEL SLOPE IS 0.5%
- MINIMUM OF 4" CONCRETE TO BE PLACED OVER OUTLET PIPE

EconoDrain SERIES #12 INSTALLATION DETAIL

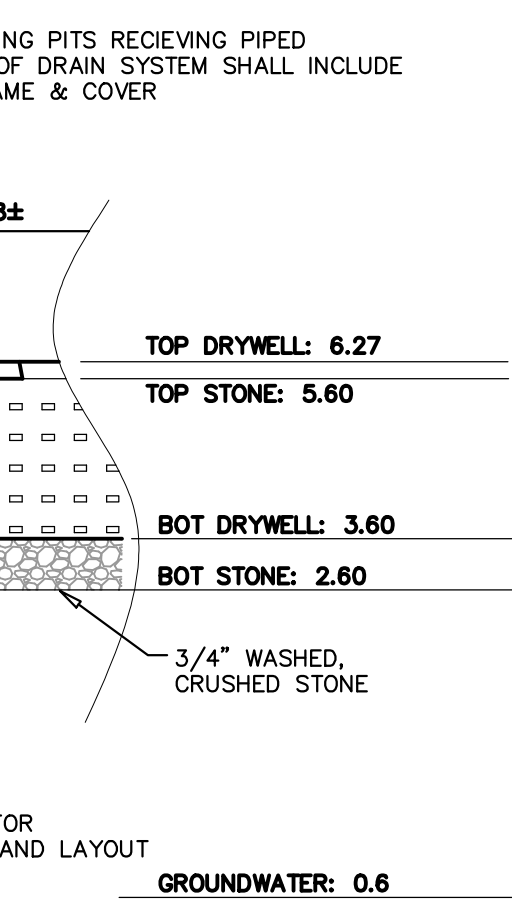
NOT TO SCALE



WQU	RM(S)	INLET PIPE INVERT	BOTTOM UNIT	OUTLET PIPE INVERT	TOP UNIT
#1	11.0 \pm	8.46	2.54	8.21	10.00
#2	7.7 \pm	5.20	(-0.76)	4.95	6.69

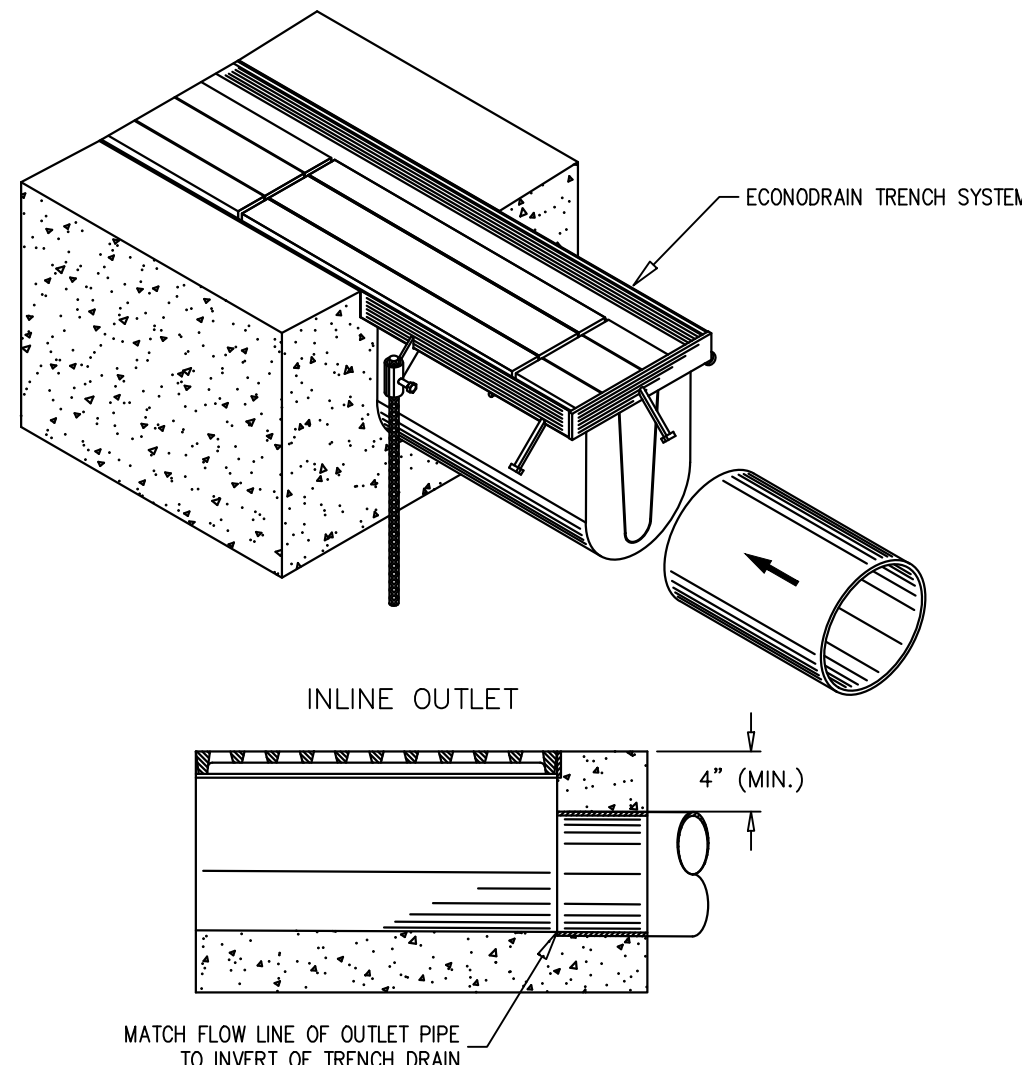
USE 4,000 GALLON SEPTIC TANK MANUFACTURED BY WIGGIN MEANS PRECAST (OR APPROVED EQUAL)
COMBINATION CATCH BASIN & OIL/GRIT SEPARATOR

NOT TO SCALE



STORMWATER MANAGEMETN AREA #2 DETAIL

NOT TO SCALE



DRAFT

Prepared By:

BRACKEN
ENGINEERING, INC.

49 HERRING POND ROAD
BUZZARDS BAY, MA 02532

(tel) 508.833.0070
(fax) 508.833.2282

19 OLD SOUTH ROAD
NANTUCKET, MA 02554

(tel) 508.325.0044
www.brackeneng.com

Sheet Title:

**CONSTRUCTION NOTES &
DETAILS**

Project:

**EXISTING PARKING LOT PROPOSED
STORM WATER IMPROVEMENTS**

PREPARED FOR:

TOWN OF BOURNE

**MONK'S PARK | HOG HOUSE POINT
MAP 38 LOT 1**

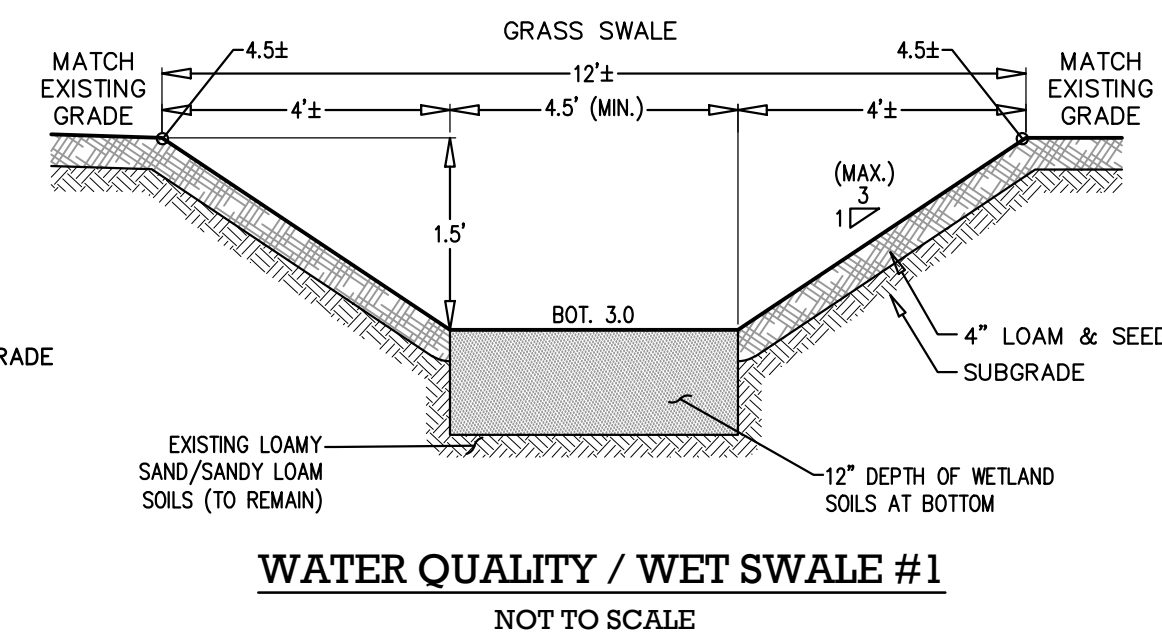
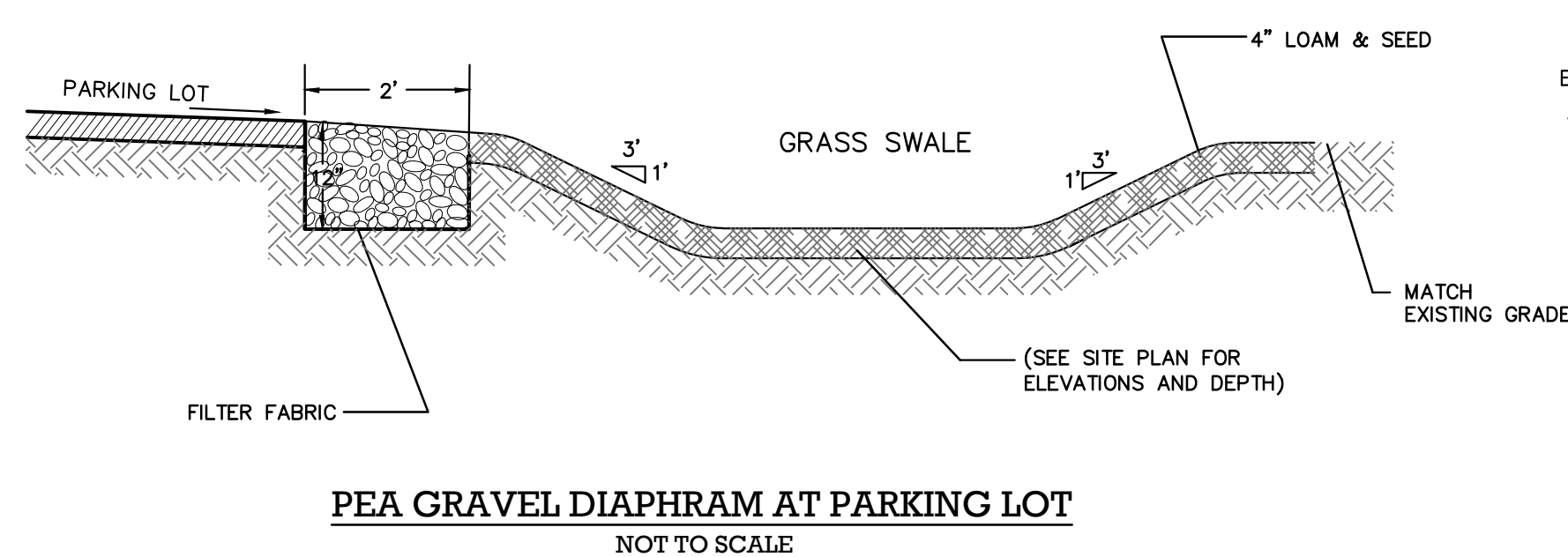
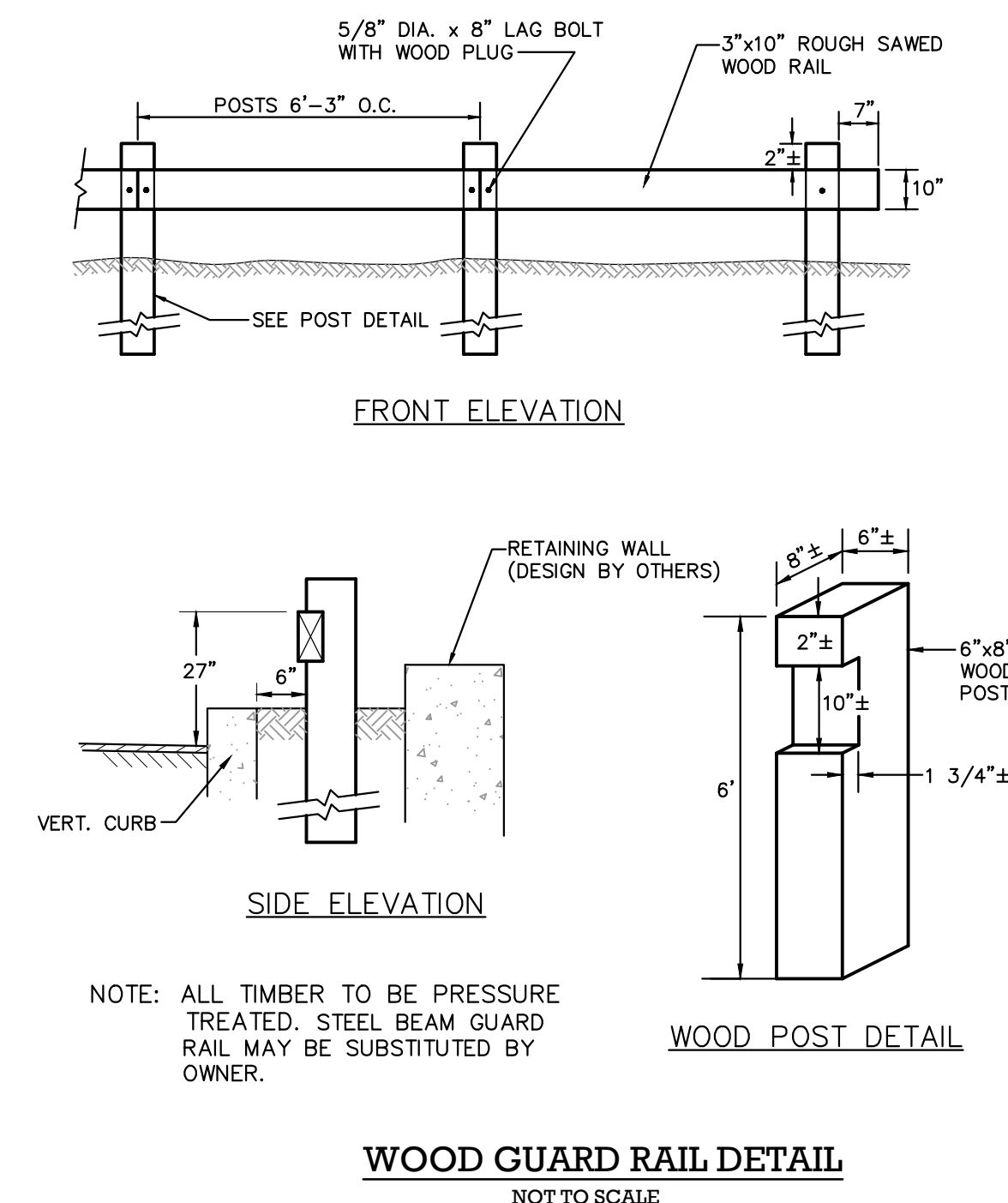
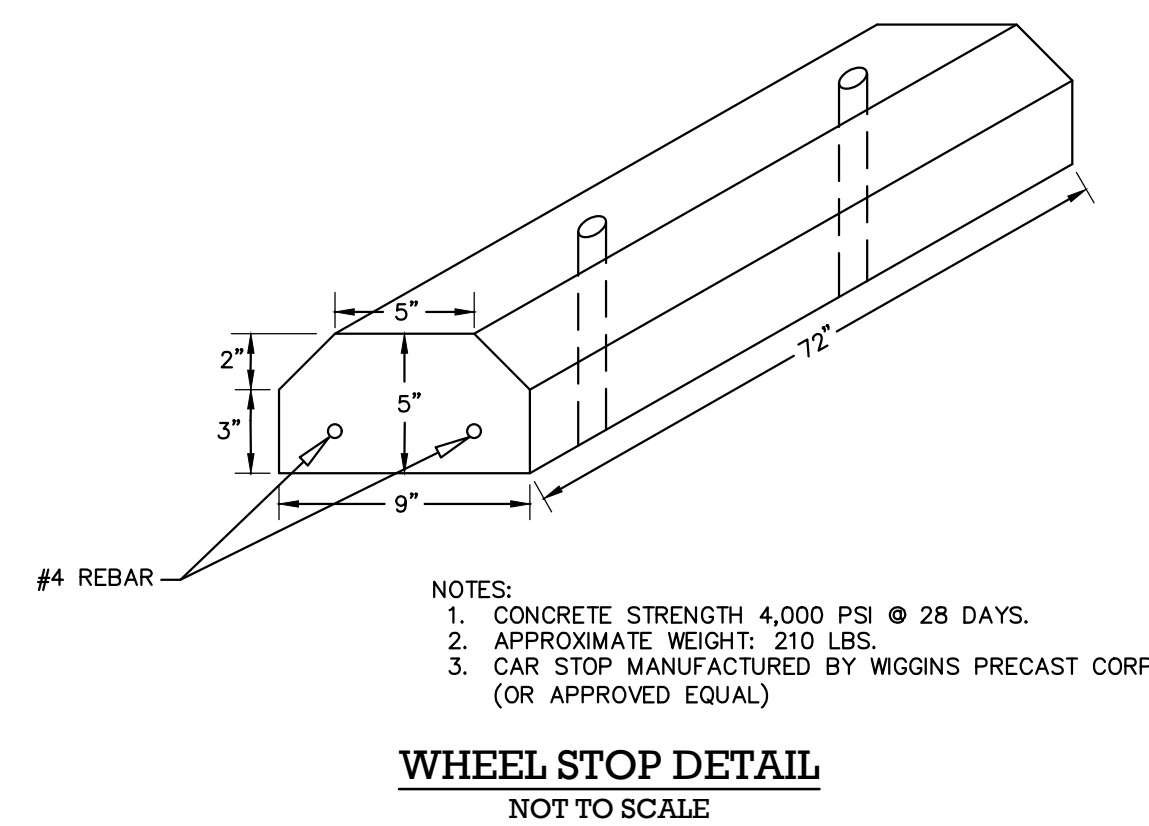
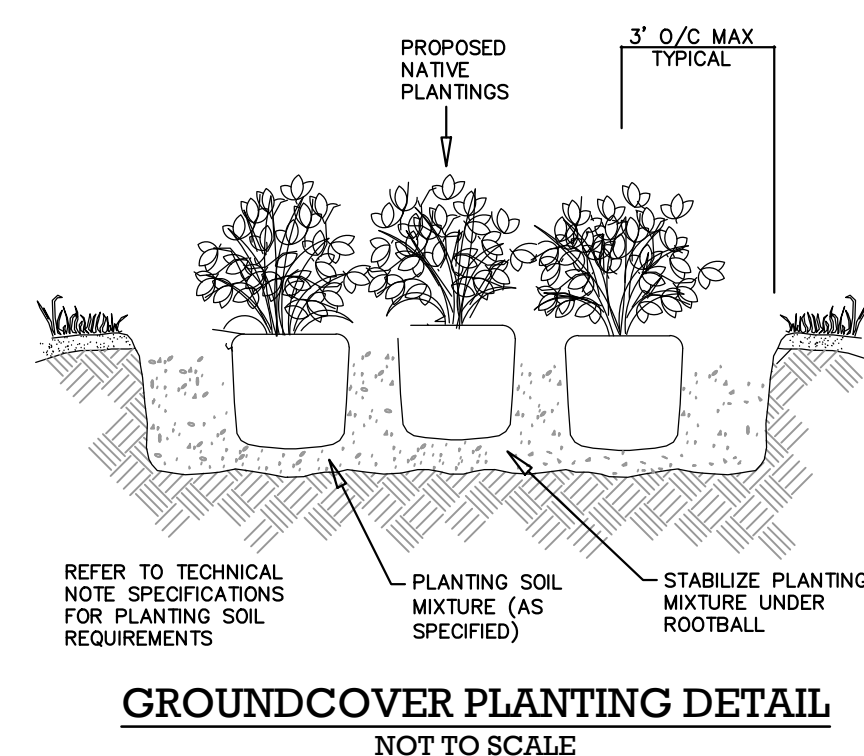
No.	Date	Revision	Description	By
Date:	FEBRUARY 8, 2022	Drawn:	Checked:	Sheet:
		BEI	ZLB/AMG	of

ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

DRAFT

LANDSCAPING NOTES:

1. ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 NURSERY STOCK, LATEST EDITION (AMERICAN ASSOCIATION OF NURSESMEN, INC.)
2. 4" AGED PINEBARK MULCH SHALL BE APPLIED TO ALL SHRUB & GROUNDCOVER BEDS.
3. PLANT PIT BACKFILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 1 PART OF DEHYDRATED COG MANURE. USE EXISTING ON SITE TOPSOIL AS PART OF BACKFILL WHEN AVAILABLE.
4. ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEEDING OR SODDING AS INDICATED ON PLANS.
5. ALL SOD, SEED, SHRUB AND TREE AREAS SHALL RECEIVE 6"PH CORRECTED TOPSOIL. AFTER TOP-SOIL IS SPREAD EVENLY OVER ENTIRE AREA, ALL CLODS, LUMPS, STONES AND OTHER DELETERIOUS MATERIAL SHALL BE RAKED UP AND REMOVED.
6. APPLICATION OF GRASS SEED, FERTILIZERS, LIME AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED.
7. NEWLY GRADED AREAS REQUIRING SLOPE PROTECTION OUTSIDE OF NORMAL SEEDING SEASON SHALL RECEIVE HAY MULCH AT THE APPROXIMATE RATE OF NO MORE THAN 3 TONS PER ACRE.
8. ANY CHANGES IN PLANT LOCATIONS OR TYPE SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
9. CLEAR AND GRUB (TO LIMITS SHOWN ON GRADING PLAN) TO REMOVE TREES, ROCKS, DEBRIS, ROOTS, ETC. STUMPS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH STATE REGULATIONS. AFTER CLEARING, ROTOTILL, STRIP AND STOCKPILE ALL ON-SITE TOPSOIL FOR REUSE TO THE MAXIMUM EXTENT POSSIBLE.
10. FOR SEED AND SOD AREAS G.C. TO USE EXISTING TOPSOIL, IF AVAILABLE, FOR A 4" DEPTH AND TOP DRESS WITH 2" OF SCREENED TOPSOIL, UNLESS OTHERWISE NOTED ON PLAN.
12. ALL TREES, SHRUBS AND SOD SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE.



Prepared By:

BRACKEN

ENGINEERING, INC.

49 HERRING POND ROAD
BUZZARDS BAY, MA 02532

(tel) 508.833.0070
(fax) 508.833.2282

19 OLD SOUTH ROAD
NANTUCKET, MA 02554

(tel) 508.325.0044
www.brackeneng.com

Sheet Title:

CONSTRUCTION NOTES & DETAILS

Project:

EXISTING PARKING LOT PROPOSED STORM WATER IMPROVEMENTS

PREPARED FOR:

TOWN OF BOURNE

MONK'S PARK | HOG HOUSE POINT
MAP 38 LOT 1

No.	Date	Revision Description	By
Date:	FEBRUARY 8, 2022	Drawn:	BEI
		Checked:	ZLB/AMG
		Sheet:	_ of _

MAIN OFFICE:

49 Herring Pond Road
Buzzards Bay, MA 02532
TEL: (508) 833-0070
FAX: (508) 833-2282

**NANTUCKET OFFICE:**

19 Old South Road
Nantucket, MA 02554
TEL: (508) 325-0044
www.brackeneng.com

February 17, 2022

Town of Bourne Board of Selectmen
24 Perry Avenue
Buzzards Bay, MA 02532

**RE: Request for Construction Vehicle Access for Maintenance
280 Standish Road (Map 4, Parcel 14)**

Dear Members of the Board:

On behalf of our clients and the owners of the following identified properties: 4, 6, 8, 10 & 16 Fisher Lane, Bracken Engineering, Inc. (BEI) cordially requests biannual (twice per year) access over the Town of Bourne property known as 280 Standish Road (Map 4, Parcel 14). The purpose of the access is to allow earth moving construction vehicles access to the bottom of the stabilized Coastal Bank shared between the above referenced properties. The bank was previously stabilized under Orders of Conditions SE7-2087 through SE-2091 and requires maintenance and supplemental sand nourishment.

After the most recent storms of 2022, there is some sand loss that must be replenished. The intent is to accomplish this initial maintenance prior to the April 1st construction deadline. This deadline is set by the Natural Heritage and Endangered Species Program and correlates to the nesting season of the piping plovers which reside along the beach. BEI respectfully requests that this application be considered at the next Selectmen's meeting.

Thank you for your consideration of this request. Should you require any further information or have any questions, please contact our office at 508-833-0070 or email the undersigned at zac@brackeneng.com.

Sincerely,

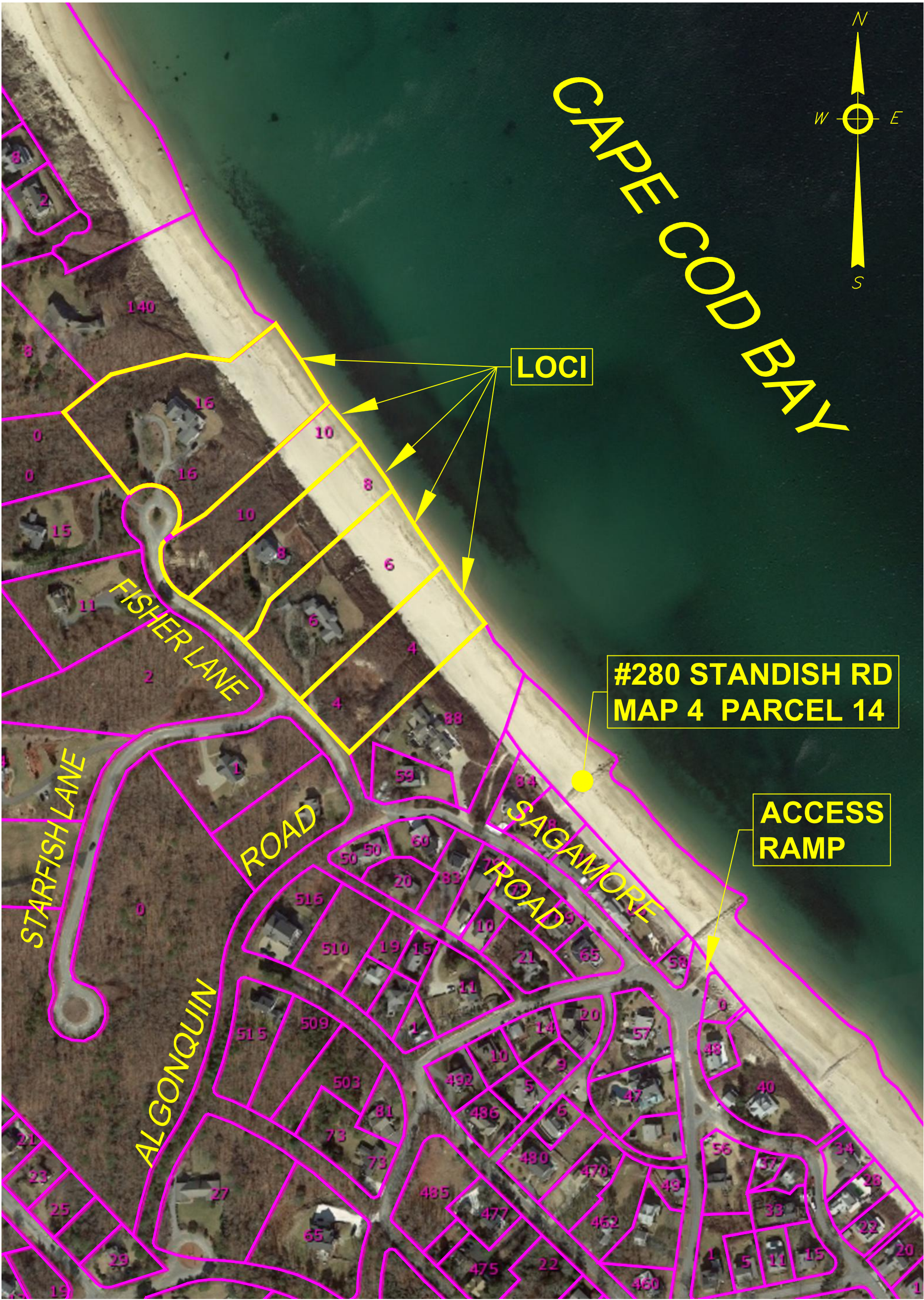
BRACKEN ENGINEERING, INC.

A handwritten signature in black ink, appearing to read 'Zachary L. Basinski', written over a horizontal line.

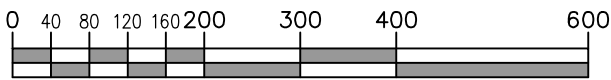
Zachary L. Basinski, P.E., C.F.M.
Project Manager

A handwritten signature in black ink, appearing to read 'Robert E. Dewar', written over a horizontal line.

Robert E. Dewar, EIT
Project Engineer



PLAN SCALE



1 inch = 200 feet



49 HERRING POND ROAD
BUZZARDS BAY, MA 02532

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19 OLD SOUTH ROAD
NANTUCKET, MA 02554

(tel) 508.325.0044
www.brackeneng.com

ACCESS EXHIBIT PLAN
IN BOURNE, MA

Prepared for:
4 FISHER LANE
to
16 FISHER LANE
MAP 2.0 PARCELS 4, 5, 8, 9, 10



Town of Bourne
Interdepartmental Advisory Form



Start Date:	11/10/2021
Owner/Applicant:	Mary Ann Singersen [REDACTED] m A.L.S. Family Charitable Foundation, Inc. One Trowbridge Road, Ste322, Bourne, MA 02532
Project Location:	Buzzards Bay Gazebo Park
Nature of Request:	Event: September 11, 2022 - 7:30 a.m. to 4:00 p.m. Setup: September 10, 2022 - 9:00 a.m. to 4:00 p.m. 26th Annual Cliff Walk Fundraiser for ALS - is a 7 mile walk along the Cape Cod Canal to raise funds for patients and families in New England living with ALS. We will follow whatever COVID protocols are in place in Massachusetts regarding attendance. Insurance Certificate will be provided. Rental of handicap porta potty, if needed. Use of the playground if needed. 3 or 4 food trucks be serving food and we will require electricity. Tent & Table company will provide tents that are weighted down and do not require stakes. There will be live entertainment (band or DJ) Estm attendance: 400
Liability Insurance Naming Town of Bourne as Additional Insured	Has applicant provided insurance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Map:	24.3	Parcel:	22.00	District:	
-------------	------	----------------	-------	------------------	--

☐ **Engineering:**

Date of Recording:		Lot Area:	1.87	Frontage:		Zone:	VB
Resource District:	No	Town Road:	Yes	Paved:	Yes	Contiguous Lots:	No
Flood Zone:	X	Within 100' of Wetland:	Yes				

Owner:
Remarks:

12/9/2021 Timothy P Lydon
Date Department Head

☐ **Planning Department/Planning Board:** ☒ Concurs ☐ Does Not Concur

Remarks:

12/7/2021 CMoore/jlc
Date Town Planner

☐ **Conservation Commission:** ☐ Must File ☐ Determination ☐ Notice of Intent
☒ Need not File

Remarks:

1/13/2022
Date

Stephanie Fitch
Conservation Agent

☐ Board of Health: ☒ Concur ☐ Does Not Concur

Remarks: Food trucks will need food permits no less than 30 days prior to the event.

1/24/2022
Date

Terri Guarino
Health Agent

☐ Building Inspector: ☒ Concur ☐ Does Not Concur

Remarks: No propane, no heaters, no smoking under tents. Tent permit is required. \$35 per tent.

12/6/2021
Date

Ken Murphy/ag
Building Inspector

☐ Sewer Commissioners: ☐ Approved ☐ Disapproved ☒ Not Under Sewer Jurisdiction

Remarks:

1/13/2022
Date

K. Thut/admin
Department Head

☐ Town Collector: ☐ Outstanding Taxes ☒ Taxes Paid In Full

FY	RE	\$0.00	FY	RE	\$0.00	FY	RE	\$0.00
FY	RE	\$0.00	FY	RE	\$0.00	FY	RE	\$0.00
FY	RE	\$0.00	FY	RE	\$0.00	FY	RE	\$0.00

Remarks: N/A

11/16/2021
Date

A Dastous
Town Collector

☐ Town Clerk:
If not corporation has business certificate been issued? ☐ Yes ☒ No

Remarks: Not Applicable

11/16/2021
Date

CCobb
Clerk's Office

☐ Assessors:
This individual has (have) completed the Form of List? ☐ Yes ☐ No

Remarks: na

02/02/22 9:46 AM

M:\Exec\Completed Routing Slips\Annual Cliffwalk.doc

1/12/2022

JPotter

Date

Assessors Office

☐ Department of Public Works: ☒ Approved ☐ Disapproved ☐ Not Under DPW Jurisdiction

Remarks:

11/15/2021

Matthew Quinn

Date

Department Head

☐ Department of Natural Resources: ☐ Approved ☐ Disapproved ☒ Not Under DNR Jurisdiction

Remarks:

11/16/2021

Chris Southwood

Date

Department Head

☐ Recreation Department: ☐ Concur ☐ Does Not Concur ☒ Not Under Jurisdiction

Remarks:

11/17/2021

Krissanne M. Caron

Date

Department Head

☐ Police Department: ☒ Concur ☐ Does Not Concur ☐ Not Under Police Jurisdiction

Remarks:

12/6/2021

Lt. John R. Stowe

Date

Department Head

☐ Fire Department: ☒ Concur ☐ Does Not Concur

Remarks: Will need an inspection for the food trucks and tent. Any propane for the tent would need a permit.

11/16/2021

David S. Pelonzi, Assistant Chief

Date

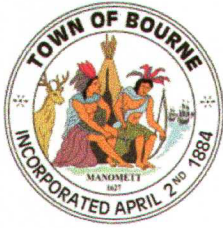
Department Head

☐ Town Administrator/Board of Selectmen: ☐ Concur ☐ Does Not Concur

Remarks:

Date

Town Administrator/Board of Selectmen Chairman



Town of Bourne

Special Event Permit Application for Buzzards Bay Park

Date of Application

November 2, 2021

Name of Organization

ALS Family Charitable Found.

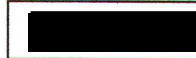
Organization's Mailing Address

One Trowbridge Rd., Ste. 322, Bourne, MA 02532

Contact Person

Mary Ann Singersen

Cell Phone #



Contact Person's Mailing Address

Same

Event Information: 26th Annual Cliff Walk for A.L.S. Fundraiser

Event Date

9/11/22

Start Time

7:30 AM

End Time

4:00 PM

Set Up Date

9/10/22

Set Up Time

9:00 AM

End Clean Up Time

4:00 PM

Click here to enter a date.

Description of

Event: Use of Buzzards

Bay Park

of Participants

400

of

Spectators

Will your event require street closing? ☐ Yes ☒ No If Yes, see Bourne Police

Will there be food? ☒ Yes ☐ No If Yes, see Board of Health

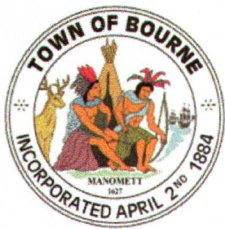
Will there be vendors? ☒ Yes ☐ No If Yes, see Board of Selectmen's Office and the Board of Health

Use of electricity/generators? ☒ Yes ☐ No If Yes, see Bourne DPW

Will the Event require water? ☒ Yes ☐ No If Yes, for what purpose?

Use of Tents? ☒ Yes ☐ No If Yes, please see Building Inspector

Wish to block parking spaces? ☒ Yes ☐ No If Yes, see DPW



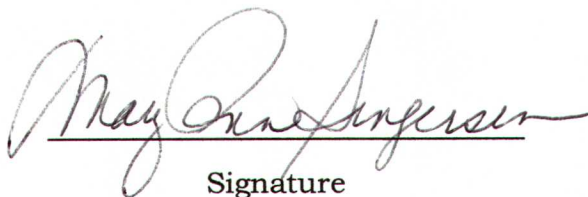
INDEMNIFICATION AND RELEASE

Town of Bourne Facility Rentals

THIS IS A LEGALLY BINDING DOCUMENT. DO NOT SIGN IT UNTIL YOU HAVE READ THE CONTENTS HEREOF AND UNDERSTAND THE SAME. IF YOU ARE IN DOUBT, CONSULT AN ATTORNEY PRIOR TO SIGNING THIS DOCUMENT.

In consideration of the permission granted to it by the Town of Bourne for the purpose of using playing fields and recreational properties owned by the Town of Bourne, the undersigned, in recognition of the fact that Bourne has no lawful obligation to permit said usage by any person, group or other entity not sponsored by the Recreation Department, does hereby release the Town of Bourne, its agents, servants, employees and volunteers from any liability whatsoever in the event of injury to any persons or any actual or perceived infringement of the personal security of any person using the said playing fields and/or recreation areas while engaged in usage authorized by the Town or to any person attending such activity and the undersigned intends this release to be effective and binding on himself/herself and all members, guests, invitees or observers of the group activity which she/he herein represents. This release is provided in addition to, and without limitation on, any and all defenses available to the Town of Bourne pursuant to the Massachusetts General Law and common law.

The undersigned, on behalf of him/herself and the members of the group or entity he/she represents, does hereby agree to indemnify the Town and its agents, servants, employees and volunteers against any and all claims, suits, actions, debts, damages, costs, charges and expenses including court costs and attorney's fees, and against all liability, losses and damages of any nature whatsoever, that the Town shall or may at any time sustain or be put to by reason of the usage of the Town owned property, as contemplated herein.


Signature

November 2, 2021
Date

President & Co-Founder
Title

A.L.S. Family Charitable Foundation
Name of Organization



ALSFAMI-01

NFRISBY

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/10/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

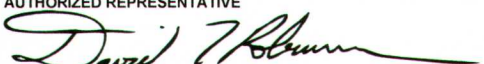
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER RogersGray, Inc. 434 Rte 134 South Dennis, MA 02660	CONTACT NAME: PHONE (A/C, No, Ext): (800) 553-1801 E-MAIL ADDRESS: mail@rogersgray.com FAX (A/C, No): (877) 816-2156 INSURER(S) AFFORDING COVERAGE INSURER A: Mount Vernon Fire Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 26522
INSURED ALS Family Charitable Foundation Inc One Trowbridge Rd, Ste322 Bourne, MA 02532		

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X	CL2753270	9/11/2021	9/12/2022	EACH OCCURRENCE \$ 3,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COM/OP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Additional Insured: Town of Bourne 24 Perry Avenue, Buzzards Bay, MA 02532

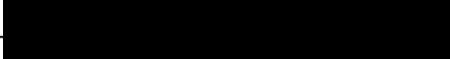
CERTIFICATE HOLDER Town of Bourne 24 Perry Avenue Buzzards Bay, MA 02532	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

**TOWN OF BOURNE
BOARD OF SELECTMEN**

APPLICATION FOR TELLING OF FORTUNES

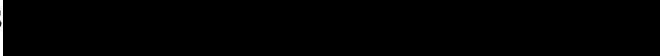
The undersigned makes application for a Fortune Teller's License under the provisions of M.G.L. Chapter 140, Section 185 (I). Fortune Telling includes the forecasting of the future, or the reading of the past, by any means.

NAME OF APPLICANT: Marcie J. Layton

ADDRESS OF APPLICANT:  Sagamore Beach MA
02562

TELEPHONE: 

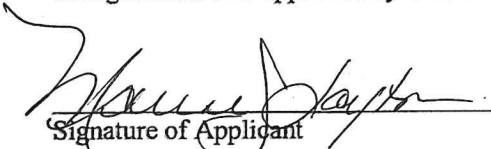
NAME OF BUSINESS: Marcie J Layton dba Aries-Stella

BUSINESS ADDRESS  Sagamore Beach MA
02562

DESCRIBE BUSINESS: Tarot Readings over phone, through zoom and private parties. also charities and fundraisers.

Are you a resident of Bourne yes If so, for how long 20 years

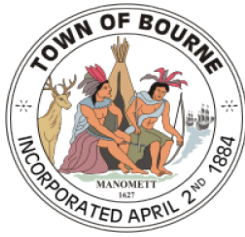
I am aware that I must appear before the Board of Selectmen for consideration of the above license. Any changes should be approved by the Board of Selectmen.


Signature of Applicant

2/24/2022

Date

2/24/22
pd. \$2 cash



Selectmen's Correspondence

March 1, 2022

- A. R. Wheeler – Talent Bank Form
- B. J. House – Talent Bank Form
- C. Upper Cape Tech Minutes 1.13.22
- D. Abutter notice – 4 Kennebec Ave.
- E. Xfinity channel cancellation
- F. S. Mealy – reappointment request to CC Commission
- G. EPA letter 2.17.22 Pilgrim response
- H. A. Flemming – Letter of Interest – Bourne Cultural Council
- I. K. Garcia - reappoint request to Human Services Committee
- J. DEP letter – response to Pilgrim Plant discharge
- K. DEP letter – JBCC groundwater study
- L. DEP letter – Old Grenade Courts
- M. DEP letter – National Cemetery Well Determination
- N. DEP letter – Supplemental Feasibility study
- O. DEP letter – Remedial Investigation PFAS Work Plan Flight Line
- P. MA Dept. of Public Utilities letter re increase in electric base distribution rates

TALENT BANK FORM

ACT NOW- SERVE YOUR COMMUNITY

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TOWN GOVERNMENT TALENT BANK

c/o Town Administrator,

24 Perry Avenue

Buzzards Bay, MA 02532

NAME: ROBERT WHEELER

DATE: 2/18/22

ADDRESS: [REDACTED]

PRECINCT: 6

OCCUPATION: RETIRED(IT) TELEPHONE # [REDACTED]

BACKGROUND: INFORMATION TECHNOLOGY

Check	AREAS OF INTEREST (LIST ORDER OF PREFERENCE)
	AFFORDABLE HOUSING TRUST - provides the Town with many tools to create and preserve affordable housing, including the ability to option, lease, purchase, renovate, and lease out or sell real estate.
	ZONING BOARD OF APPEALS - The Board of Appeals shall have and exercise all the powers granted to it by Chapters 40A, 40B, and 41 of the General Laws, and by this Bylaw, those powers being to hear and decide applications for Special Permits upon which the Board is empowered to act under this Bylaw; to hear and decide petitions for variances, excluding variances for use; to hear and decide other appeals from any aggrieved person, officer, or board, or the Cape Cod Planning and Economic Development Commission, to issue comprehensive permits as provided by Sections 20-23, Ch.40B, G.L., and in special cases to issue withheld building permits, as provided by Section 81Y, Ch.41, G.L.
	BOARD OF ASSESSORS
	BARNSTABLE COUNTY COASTAL RESOURCES - is the County's coastal advisory committee, serves as a liaison between towns and the County on coastal issues and is the local governance committee for the Cape Cod region of the Massachusetts Bays Program.
	BARNSTABLE COUNTY HOME CONSORTIUM - is comprised of 15 communities on Cape Cod. Jurisdiction to receive and disburse HOME funds.
	BARNSTABLE COUNTY HUMAN RIGHTS COMMISSION - To promote and protect the basic human rights of all persons in Barnstable County
	BUZZARDS BAY ACTION - The mission of the Buzzards Bay Action Committee is to improve collaboration among watershed municipalities.
	BY-LAW COMMITTEE - Reviews and also recommends updates or changes to the Town By-laws
	CABLE ADVISORY COMMITTEE- performs research/makes recommendations for cable license renewal
	CAPE & VINEYARD ELECTRIC COOPERATIVE - was organized on September 12, 2007. Provides for the establishment of energy cooperatives.
	CAPE COD COMMISSION - is an agency within Barnstable County regional government, but with its own separate and unique funding source, the Cape Cod Environmental Protection Fund.
	CAPE COD WATER PROTECTION COLLABORATIVE - to help Cape Cod and Islands towns pay for necessary wastewater infrastructure and water quality remediation projects.

BOURNE BD OF SELECTMEN
 2022 FEB 22 AM 10:55

	CAPE LIGHT COMPACT - mission is to serve our 205,000 customers through the delivery of proven energy efficiency programs, effective consumer advocacy, and renewable competitive electricity supply.
	CAPITAL OUTLAY COMMITTEE – Reviews requests and makes recommendations to the Town Administrator on large equipment or building projects
	CHARTER COMPLIANCE COMMITTEE – Hears and adjudicates complaints filed alleging Charter Violations
	CHARTER REVIEW COMMITTEE –Reviews Charter every five years
	COMMISSION ON DISABILITIES - cause the integration and participation of people with disabilities; assists municipal officials in ensuring compliance with the ADA and other state/federal laws
	COMMUNITY ACTION COMMITTEE OF CAPE COD & ISLANDS, INC. - is a private, non-profit organization that provides a variety of services to low-income individuals and families to help them improve the quality of their lives and achieve self-sufficiency.
	COMMUNITY ENGAGEMENTS - mission is to sponsor and encourage community events, projects, activities, services, programs, and public improvements which are of mutual interest to the visitors and residents of the Town of Bourne, and, which strengthen the Town by fostering community involvement and spirit. The Committee shall create an application for funding and invite organizations or individuals to submit on events or activities that will benefit the Town of Bourne and its citizens. In no event may a Member present a project before the Committee. The committee shall provide quarterly reporting to the Board of Selectmen and Town Administrator.
	COMMUNITY PRESERVATION COMMITTEE will give preference to proposals Are eligible for Community Preservation Act (CPA) funding according to the requirements described in the CPA legislation; specifically, The acquisition, creation, and preservation of open space. The acquisition, preservation, rehabilitation, and restoration of historic resources. The acquisition, creation, and preservation of land for recreational use. The creation, preservation, and support of community housing (including items such as annual payments to the housing authority to preserve or expand the affordable housing supply). The rehabilitation and restoration of open space, land for recreational use, and community housing that is acquired or created using monies from the fund.
	CONSERVATION COMMISSION- administers the Wetlands Protection Act, Local Wetlands bylaws
	COUNCIL ON AGING- coordinates programs designed for the needs of aging in coordination with the MA Executive Office of Elder Affairs
	CULTURAL COUNCIL - reviews applications for local arts and cultural events and awards grant funds received from the MA Cultural Council.
	DESIGN REVIEW BOARD (DRB)- reviews alterations, including demolitions of properties located within the demarked areas, adopts design guidelines, rules/regulations
	EDUCATION/SCHOLARSHIP
	FINANCE COMMITTEE- reports to town meeting on the proposed budget of town manager and any warrant articles having a fiscal impact on the Town.
	HISTORICAL COMMISSION - caretakers of the Town history.
	HOUSING PARTNERSHIP - addresses local housing needs through a collaborative effort between local govt., community organizations, banks and the private sector.
	HUMAN SERVICES - The Committee is charged with recommending policies and potential programs to the Town Administrator related to the delivery of human services to the citizens of Bourne.
	LANDFILL BUSINESS PROJECT MODEL WORKING GROUP-Make recommendations on long term viability of the Integrated Solid Waste Management Department to the Town Administrator and Selectmen
	LOCAL EMERGENCY PLANNING COMMITTEE - mission is to provide residents with an emergency response program for hazardous materials incidents, extreme weather, and other high impact events.

	OPEN SPACE COMMITTEE - was formed in 1999 for the purpose of recommending acquisitions of interest in real property to be owned or managed by the Conservation Commission or other designated nonprofit organization or in the case of interests to acquire sites for future wellhead development for a Water Resource District.
	TASK FORCE ON LOCAL POLLUTION/PHASE II STORMWATER MANAGEMENT COMMUNITY OVERSIGHT PROGRAM - membership shall consist of seven (7) members of the general public, at least two of whom, if possible, shall have a professional background in science, law or engineering.
	PRIVATE ROADS ACCEPTANCE - On an annual basis we will have to establish a prioritization process to see what roads will be brought before the town for consideration.
	RECREATION COMMITTEE – Works with the Director of Recreation on long term planning for the recreational needs of the Town
	RECYCLING - Provide advice and assistance to the Board of Selectmen, the ISWM General Manager and Town residents concerning recycling requirements and procedures. Assist the Board of Selectmen with public education concerning recycling, composting and source reduction.
	REGISTRAR OF VOTERS - The Board of Registrars responsibilities include registering voters, making local listings of residents, certifying nomination papers and petitions, processing absent voter applications and administering election recounts.
/	SELECTMEN'S ENERGY ADVISORY COMMITTEE - assist the Board of Selectmen on the investigation, research and consideration of siting and utilizing alternative forms of energy for municipal purposes.
	SOUTH SIDE FIRE STATION BUILDING COMMITTEE - To make recommendations regarding the feasibility, design, siting and construction of new, replacement Fire/EMS station on south side of Cape Cod Canal.
	SHORE AND HARBOR COMMITTEE – Works on plans, future development and recommends regulatory change and enforcement
	SPECIAL WORKS OPPORTUNITY PROGRAM - SWOP's mission statement is to provide social opportunities to adults with intellectual disabilities residing in the Town of Bourne. We do this through social settings that foster independence and cultivate respect and support through community involvement.
	STREET AND TRAFFIC – Look into the current street lighting.
	TOWN ADMINISTRATORS ADVISORY COMMITTEE ON PEDESTRIAN BICYCLE PATHWAY - to assist in the creation of a pedestrian and bicycle pathway within the geographic boundaries of the Town of Bourne, connecting with the Shining Sea pathway in Falmouth
	TRANSPORTATION ADVISORY COMMITTEE - shall have the following responsibilities on transportation-related projects proposed by the town and others and shall include, but not limited to, highways and other roadways, rail services, bus services, shuttle services and transportation facilities.
	WASTEWATER ADVISORY COMMITTEE - To serve as advisors to the Town Administrator and Bourne Board of Sewer Commissioners in the areas of public policy and long-range planning as it relates to the implementation of the Comprehensive Wastewater Management Plan.
	WASTEWATER FACILITY DESIGN AND BUILDING - To serve as advisors to the Town Administrator and Bourne Board of Sewer Commissioners as it prepares the final design, siting and construction of a 100,000 gpd facility within Buzzards Bay.
	UPPER CAPE REGIONAL TRANSFER STATION - is the body that oversees all operations for the municipally-owned regional solid waste transfer station located on Joint Base Cape Cod (JBCC) in Sandwich.
	VETERANS GRAVES OFFICER
	OTHER (please list)

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TOWN GOVERNMENT TALENT BANK

c/o Town
Administrator,
24 Perry Avenue
Buzzards Bay, MA

02532

NAME: Judith L House (Judy) DATE: 2/8/22

ADDRESS: [REDACTED] Pocasset PRECINCT: 5

OCCUPATION: retired TELEPHONE # [REDACTED]

BACKGROUND: physics/engineer: communication systems for DoD

hobby: buy houses that are in disrepair + fix

real estate broker, paralegal certificate, architecture

Check	AREAS OF INTEREST (LIST ORDER OF PREFERENCE) <i>courses</i>
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	ROAD ACCEPTANCE ADVISORY COMMITTEE
	ROADWAY TRAFFIC SAFETY COMMITTEE - This committee is a review and clearing house for all issues relating to the roadways and traffic or other related safety issues in the Town of Bourne.
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	VETERANS GRAVES OFFICER
	OTHER (please list)

JUDY HOUSE



Interested in an Associate Member position on the Bourne Historic Commission

BOURNE BD OF SELECTMEN
RCVD 2022 FEB 14 AM 11:15

Engineering Experience Summary

Systems Engineer/Project Manager – (16 years) Designed communications systems for the Department of Defense including satellites, submarine radars, world-wide networks, and phones. Designed and analyzed security of computer systems. Defined and wrote security policy for government agencies. Defined schedules, assigned & tracked tasking, trained staff, chaired meetings, gave briefings, wrote proposals. Developed training courses on systems engineering and computer security. Developed and wrote documentation and reports including concept of operations. system requirements, and specifications. 1979-2019

Software Engineer – (9 years) C++, C, Assembly Languages, Java, Ada. 1979-2019

Other Relevant Experience

Dedham Historical Society & Museum part-time employment as Membership Coordinator, 2019 – 2020. Volunteer 2018 – 2021

Architecture Design Worked for Drummey Rosane Anderson while taking courses at Boston Architectural Center. Designed floor layout for renovation of the Saltonstall Building for temporary use as a courthouse and jail. Designed floor layout and auditorium elevation for Milton middle school. 2002

Real Estate Broker – Worked for RE/MAX offices in Needham and Wellesley years ago. More recently, worked for myself and represented my personal sales and purchases of houses.

Buy houses and repair them - Have fixed up and sold about 10 houses over the years. Excluding the plumbing and electrical work, do most of the work myself including reroofing houses, building a bulkhead and basement entry, installing underground drainage system, updating kitchens and baths, replacing light fixtures, landscaping and gardening.

EDUCATION

BS in Physics with Honors
First year of law School
Paralegal certificate
Architecture courses

Northeastern University
Suffolk University Law School
Northeastern University
Boston Architecture Center and
MassBay Community College

UPPER CAPE COD REGIONAL TECHNICAL SCHOOL DISTRICT COMMITTEE
JANUARY 13, 2022 MEETING HELD AT THE SCHOOL
220 SANDWICH ROAD, BOURNE, MA 02532

BOURNE BO OF SELECTION
ROUD 2022 FEB 17 AM 10:09

PRESENT: Robert Fichtenmayer, Chair; Ellen Barber; Dominic Cammarano; Thomas Corriveau; Mary Crook; Michael Degan; Christine Marcolini; David P. Sampson; Roger Forget; Josh Greeley; Sharon Brito, Recording Secretary.

ABSENT: Maryann Smith.

The meeting was called to order at 6:23 p.m. followed by the Pledge of Allegiance to the Flag. Mr. Fichtenmayer announced that the meeting was being recorded via an audio device.

Mr. Forget called for nominations for the position of Chairperson to the School Committee for the current term.

Chairperson Position:

Mr. Corriveau nominated Mr. Fichtenmayer for Chairperson, seconded by Mr. Cammarano. Roll call vote. Motion passed unanimously.

Mr. Fichtenmayer was re-elected as Chairperson to the Upper Cape Cod Regional Vocational-Technical School District.

Vice-Chairperson Position:

Mr. Degan nominated Mr. Corriveau for Vice-Chairperson, seconded by Ms. Marcolini. Roll call vote. Motion passed unanimously.

Mr. Corriveau was re-elected as Vice-Chairperson to the Upper Cape Cod Regional Vocational-Technical School District.

Treasurer Position:

Mr. Corriveau nominated Mr. Degan for Treasurer, seconded by Mr. Fichtenmayer. Roll call vote. Motion passed unanimously.

Mr. Degan was re-elected as Treasurer to the Upper Cape Cod Regional Vocational-Technical School District.

Secretary Position:

Mr. Degan nominated Ms. Brito for Secretary, seconded by Ms. Crook. Roll call vote. Motion passed unanimously.

Ms. Brito was re-elected as Secretary to the Upper Cape Cod Regional Vocational-Technical School District Committee.

STUDENT ADVISORY REPRESENTATIVE: Brandon Doyle, a junior in Environmental Technology, and Matthew Wright, a senior in Information Technology from Sandwich, updated the committee on school activities including an update on the winter athletic teams and initiatives of the extra-curricular clubs. They discussed upcoming events such as the Winter Fire and Ice formal dance and a movie night for students.

NEW BUSINESS:

Professional Development / English Department Update – Michelle DeChristopher, Teacher Leader for English and Chair of the Professional Development Committee, began her presentation by stating that, in addition to herself, Tim Lizotte and Caitlin Siderwicz, also serve on the Professional Development Committee. She discussed some of the recent professional development workshops that have taken place for staff, highlighting a recent staff in-service day where the academic teachers participated in an exploratory program of the technical shops like the freshmen do during their exploratory. Ms. DeChristopher also discussed the extensive professional development that was devoted to remote learning. Next, she provided an overview of current happenings in the English department. The department consists of seven teachers with 122 years of collective teaching experience. She discussed the English curricula, content delivery, remote learning, department goals, grade-by-grade highlights, cross-curricular activities with the technical programs, the career portfolio website and the UCT library.

STUDENT SPOTLIGHT / CURRICULUM UPDATE: No report.

PUBLIC PARTICIPATION: None.

APPROVAL OF MINUTES: A motion was made by Mr. Degan, seconded by Ms. Crook, for approval of the minutes of the December 9, 2021 regular meeting. Seven in favor; Ms. Marcolini abstained. Motion passed.

COMMUNICATIONS: The Superintendent read a letter from Bourne Fire Lieutenant Philip Tura regarding an interaction Bourne Fire EMS had with a Health Technology student who is working at Cape Cod Senior Residences. Lt. Tura stated that the student provided the paramedics with “the best verbal patient care report we have received from there and one of the best reports from any of our nursing or assisted living residences.” He commended UCT for the excellent job done educating our future health care providers. He also read a letter from a member of the maintenance staff, Kevin Brand,

indicating his intention to retire on April 29, 2022. Mr. Brand has been a member of the staff for the past twenty years.

REPORT OF COMMITTEES:

Budget – Mr. Forget reported that the next Budget Sub-Committee meeting has been scheduled for Monday, January 31st at 5 p.m.

Negotiations – Ms. Crook reported that negotiations with Unit A are moving along in a productive manner with regular meetings scheduled until the end of February.

Policy – A policy sub-committee meeting is scheduled for Monday, January 31st at 4:30 p.m.

TREASURER'S REPORT: Mr. Degan distributed the Treasurer's Report for warrants #24 and #26 highlighting the larger expenditures on the warrants including utilities, cafeteria food, student bussing and the purchase of a hydraulic vehicle lift and a welding station for Automotive Collision Repair. He also discussed revenue received from the wind turbine with ConEd and net metering credits from the solar canopies.

SUPERINTENDENT'S REPORT: Mr. Forget informed the committee that he is awaiting the cherry sheet numbers so that he may prepare a draft budget for FY23. The numbers are expected to be released on January 26th so he expects to have a draft budget to present to the Budget Sub-Committee at their January 31st meeting. He shared that the chairlift in the stairway is no longer working and cannot be repaired which is leaving us out of compliance with the Americans with Disabilities Act. The Superintendent has been in contact with the Massachusetts Operational Services Division and has been granted a waiver which will allow the district to circumvent the procurement process due to the lack of vendors for this purchase. A new lift can be purchased and installed in April from Garaventa which is the company that installed the current lift in 1996. The expected cost is approximately \$65,000. The existing lift cost \$41,000 when purchased in 1996. Approval of this purchase will be an agenda item at the February meeting. The ESSR III grant application has been approved which will allow for the purchase of mini splits for the classrooms on the second floor. The Kubota's that we were looking to purchase are not available. The current pricing on those is \$20,000 so Mr. Forget recommended that we hold on to the purchase order and purchase something of a similar nature. The Superintendent concluded his report by providing an update on COVID. He picked up 90 test kits at Barnstable High School on New Year's Day. He then split the test kits, which each came with two tests, so that there would be enough tests for all staff to take when they arrived at school after the holiday vacation. Staff members tested in their vehicles before entering the building. Finally, Mr. Forget informed the committee that two children at the Early Learning Center tested positive and, as a result, the ELC was closed today and will be again tomorrow.

PRINCIPAL'S REPORT: Mr. Greeley, Acting Principal, continued the conversation on COVID remarking that the decision to pause athletics for a week last month seemed to help bring the number of positive cases down a bit. He stated that the winter teams are doing well, in particular the girls' varsity basketball team with a current record of six wins and two losses. The ASVAB test will be administered next week and a second vaccine clinic for staff and students is taking place tomorrow. The Robotics Team will be participating in a competition at Mashpee High School next week and the Drama Club is practicing for their production of "You're a Good Man, Charlie Brown" which will take place in March. Additionally, the Chess Club is starting up again for the first time in several years. The freshmen students have finished the exploratory program and have all been placed in their chosen shops. Finally, Mr. Greeley reported that 28 Health Technology students have completed the Department of Public Health requirements to become Certified Nursing Assistants and are ready for testing.

NEW BUSINESS:

Sub-Committee Assignments – Mr. Fichtenmayer informed the members that the sub-committees will remain as follows:

Negotiations: Mary Crook, Chair; Thomas Corriveau, Maryann Smith

Policy Book: Mary Crook, Chair; Thomas Corriveau, Robert Fichtenmayer

Budget: Michael Degan, Chair, Dominic Cammarano, Robert Fichtenmayer, Maryann Smith

Curriculum: Mary Crook, Michael Degan, David Sampson

Land Use: Ellen Barber, Michael Degan, David Sampson

Health and Safety: Dominic Cammarano, Christine Marcolini, David Sampson

Sick Leave Bank: Michael Degan, Christine Marcolini

Superintendent Evaluation: Mary Crook, Chair; Ellen Barber, Maryann Smith

Long-Range Planning / Goals: Ellen Barber, Michael Degan, Robert Fichtenmayer, David Sampson

Building: Dominic Cammarano, Thomas Corriveau, Robert Fichtenmayer

Approval of a Capital Reserve Fund for the Cape Cod Collaborative – Mr. Forget referenced the communication from the Cape Cod Collaborative that was included in the meeting mailout, explaining that the Collaborative is looking to establish a capital reserve fund similar to the reserve fund that we have. He went on to state that the establishment of this fund would not affect UCT but the Collaborative does need approval from their member school district committees in order to establish this fund. Mr. Degan made a motion, seconded by Ms. Marcolini, to approve the establishment of a capital reserve fund by the Cape Cod Collaborative, as long as there is no negative impact to Upper Cape Tech. Mr. Degan then withdrew his motion and Ms. Marcolini withdrew her second. Mr. Cammarano made a motion, seconded by Mr. Sampson, to table this agenda item. Motion passed unanimously.

Approval of Fall Program Advisory Minutes – Mr. Cammarano made a motion, seconded by Mr. Degan, to approve the minutes of the fall program advisory meetings as presented. Motion passed unanimously.

Update on the FY21 Purchase of a Ford F-350 – Mr. Forget informed the committee that he has not spoken with the owner of Colonial Motor Group since the last meeting. He added that he did receive an e-mail stating the truck is scheduled to be built by the end of January and should be in transit to the dealer in three to four weeks. The Superintendent stated that he will keep the committee updated on this matter.

Mr. Degan made a motion, seconded by Ms. Crook, to adjourn the regular meeting at 7:25 P.M. Motion passed unanimously.

A True Copy Attest

Date: 2-10-2022
(Seal)


Sharon R. Brito, Secretary

Documents reviewed / referred to:

- 01/13/2022 School Committee Packet
- Professional Development/English Department PowerPoint Presentation
- E-Mail Dated 12/09/2021 from Bourne Fire Lieutenant Philip Tura
- Letter of Retirement Dated 12/15/2021 from K. Brand
- Treasurer's Notes Dated 01/13/2022

**NOTIFICATION TO ABUTTERS UNDER THE
MASSACHUSETTS WETLANDS PROTECTION ACT
Chapter 131, Section 40**

RECEIVED OF SELECTMEN
ROD 2022 FEB 17 AM 10:22

In accordance with the 2nd paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the Applicant is: **Christina Winterfeldt**
- B. The Applicant has filed a Notice of Intent (NOI) with the Bourne Conservation Commission seeking permission to perform work which might: remove, fill, dredge or alter an Area Subject to Protection Under the Wetlands Protection Act (General Laws, Chapter 131, Section 40).
- C. Description of the Project:
The project consists of the raze and rebuild of a single-family dwelling, the razing of two (2) sheds, installation of a Title 5 septic system, utility upgrades, associated grading and landscaping.
- D. The location where the activity is proposed is:
4 Kennebec Avenue (Map 47.1, Parcel 45).
- E. Copies of the Notice of Intent may be examined at the Bourne Conservation office, Town Hall 24 Perry Avenue, between the hours of 8:30 a.m. and 4:30 p.m. (Monday – Friday) Tel. 508-759-0600 Ex 1344 or can be obtained from the Applicant's Representative: Bracken Engineering, Inc., 49 Herring Pond Road, Buzzards Bay, MA 02532, between the hours of 8:00 a.m. and 5:00 p.m. (Monday – Friday) Tel: 508-833-0070.
- F. T The Public Hearing is scheduled for **Thursday, March 3rd at 7:00 p.m.** via ZOOM until further notice.

NOTE: Notice of the scheduled Public Hearing:

1. Will be published at least five (5) days in advance in the Bourne Enterprise newspaper; and,
2. Meeting agendas are posted on the Town of Bourne's website no less than 48 hours in advance of the hearing. www.townofbourne.com/conservation

NOTE: You may also contact the Department of Environmental Protection Southeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP's Southeast Regional Office: 508-946-2800



February 15, 2022

Board of Selectmen
Town of Bourne
24 Perry Avenue
Buzzards Bay, MA 02532

Dear Chairman and Members of the Board:

As part of our ongoing commitment to keep you and our customers informed about changes to Xfinity TV services, we wanted to update you that effective March 31, 2022, Fox Life will cease operations.

Customers are receiving notice of this information in their bill. Please feel free to contact me at **Michael_Galla@cable.comcast.com** should you have any questions.

Very truly yours,

Michael Galla

Michael Galla, Sr. Manager
Government Affairs

Cannon, Glenn

From: [REDACTED]
Sent: Tuesday, February 22, 2022 12:33 PM
To: All Selectmen
Cc: Cannon, Glenn
Subject: Mealy Requests reappointment to Cape Cod Commission
Attachments: 20220222 Public Service History Resume, Stephen Mealy.doc

Dear Board Members:

I am requesting to be reappointed to the Cape Cod Commission for a second term.

I have served on the Commission since 2019 and have participated in all meetings. Last year I was voted as Vice-Chairman of the Commission and continue to support the work of the Executive Committee.

Among the many subcommittees I have served on, I served on the Climate Action Subcommittee from June 2020 until the July of 2021, supporting the integration of a Private Petition to address Climate Change withing the Regional Policy Plan. This large work resulted in a successful adaptation and release of a Climate Action Plan in the summer of 2021. I served as Chairman of the Subcommittee which reviewed the Bourne Landfill Expansion project thoroughly reviewing the application with other members prior to the review before the entire Commission.

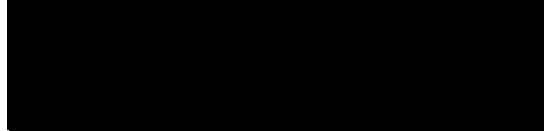
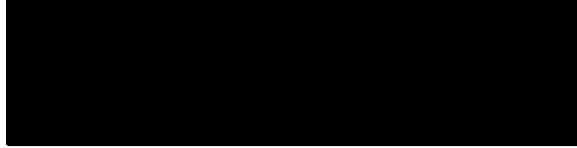
I extend my thanks to the Board members for their consideration. I would make myself available to the Board should they have any questions. A summary of my community services is attached. I have greatly enjoyed my service to the Cape community and the Commission and wish to continue at the pleasure of the Select Board and residents of Bourne.

Best Regards,

Stephen Mealy

This email has been scanned for spam and viruses by Proofpoint Essentials. Click [here](#) to report this email as spam.

Stephen F. Mealy



September 2021

Local Government Experience

Association to Preserve Cape Cod, 2019-
Member, Board of Directors

Cape and Islands Select Board Member and Councilors Association, Executive Board
Member and Treasurer

Bourne's Representative to the Cape Cod Commission, 2019-
Vice Chairman, Cape Cod Commission, 2020-
Member, Climate Change Subcommittee, 2020-2021

Bourne Wastewater Advisory Committee, 2017-2019

Bourne Charter Compliance Committee, 2017-

Bourne Charter Review Committee, 2020-
Chairman, 2020-

Bourne Select Board, 2014 – 2017
Chairman 2015, Clerk 2014

Bourne Select Board, 2006-2012
Clerk 2013, Vice Chairman 2007, Chairman 2008

Board Liaison to:

Massachusetts Maritime Academy
Main Street Steering Committee
Community Building Trustee
Wastewater Advisory Committee
Cape Cod Water Protection Collaborative
Financial Project Working Group
Recycling Committee

Bourne Transportation Advisory Committee, 2018-

Town Administrator Search Committee, Chairman, 2019

Bourne Finance Community, 1979 – 1986

Chairman, 1984 – 1986

Bourne Planning Board, 1986 – 1990

Chairman, 1989

Bourne Shore and Harbor Committee, 1992 – 2006

Chairman, 1996 – 2006

Bourne Computer Advisory Committee

1988 – 1990

Bourne Capital Outlay Committee

Worcester Polytechnic Alumni Association, Cape Cod Region

Falmouth Hospital Upper Cape Regional Advisory Board



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

February 17, 2022

Mr. Kelly Trice
Holtec Decommissioning International
Krishna P. Singh Technology Campus
1 Holtec Blvd
Camden, NJ 08104
k.trice@holtec.com

Dear Mr. Trice:

This letter is in response to Holtec's January 27, 2022, letter and "Information Sheet" to "Stakeholders, Elected Officials, Advocacy Groups and Community Members" regarding the decommissioning of Pilgrim Nuclear Power Station (PNPS). We want to make very clear that, contrary to the implication in the letter that discharges of spent fuel pool water are allowed by EPA, any such discharge is explicitly prohibited by the company's Clean Water Act (CWA) discharge permit, unless there are no CWA-regulated pollutants present. While radioactive materials regulated by the Nuclear Regulatory Commission are not considered CWA pollutants, EPA regulates a wide range of other contaminants and the presence of any of those would require further analysis and permitting before any discharge could be allowed by EPA. The permit clearly states that it was not designed to cover such undisclosed discharges associated with decommissioning and that EPA expects that a more detailed characterization of the pollutants in the spent fuel pool water would be required before any discharge would be authorized under the CWA.

Both your letter and information sheet discuss the EPA's role in the regulation of water discharges from PNPS to Cape Cod Bay and make general reference to the National Pollutant Discharge Elimination System (NPDES) Permit for PNPS (NPDES Permit No. MA0003557), which EPA Region 1 re-issued in January 2020. Your letter states that, at the November 2021 meeting of the Pilgrim Nuclear Decommissioning Citizens Advisory Panel, "a discussion was held regarding the discharge of **processed and filtered water** from the Pilgrim station as part of the ongoing decommissioning." (*emphasis added*). Your letter continues: "... it is well known that **these discharges** are normal for nuclear plants and are very well regulated by the United States Nuclear Regulatory Commission (NRC). **These discharges** are also allowed by the EPA ..." (*emphases added*). While the letter does not define the term "processed and filtered water," it

appears to be a reference to spent fuel pool water and other water associated with decommissioning the reactor.

As noted above, the Clean Water Act prohibits the discharge of any “pollutant” except in compliance with the limits and conditions contained in an NPDES permit, 33 USC § 1311(a), but the term “pollutant” excludes “radioactive materials” regulated by the Nuclear Regulatory Commission under the Atomic Energy Act of 1954 (i.e., source, byproduct, and special nuclear materials). 40 CFR § 122.2 (defining “pollutant”). Thus, an NPDES permit can neither prohibit nor authorize the discharge of such radioactive materials. If, on the other hand, a discharge contains “pollutants” within the meaning of the Clean Water Act, then the discharge must be authorized under an NPDES permit in order to be lawful. The NPDES Permit for PNPS explicitly prohibits the “discharge of pollutants in spent fuel pool water” and other water associated with decommissioning. *See* NPDES Permit No. MA0003557 at Part I.B.2-4. The suggestion by Holtec in its January 27, 2022, letter and information sheet that discharges of spent fuel pool water or other water associated with decommissioning are authorized by EPA in the company’s NPDES permit has engendered considerable public confusion. As EPA has previously explained to the company, and as reflected in the plain, unambiguous text of the permit, discharges of spent fuel pool water that contain CWA-regulated pollutants are expressly prohibited by the company’s permit. (EPA observes that the company did not dispute this straightforward reading of the permit in its Petition for Review of the Permit filed before the Environmental Appeals Board.) In other words, a discharge of spent fuel pool water would be prohibited by the permit unless it contained no CWA-regulated pollutants. As recently as November 3, 2021, representatives from EPA Region 1 met with representatives from Holtec and PNPS and pointed out these provisions of the NPDES Permit. At that time, the company did not provide any alternative reading of these clear and relevant prohibitions. So that there is no misunderstanding regarding the authorization provided by the NPDES Permit, I write to remind you of the plain language of the Permit and reiterate what it does and does not allow.

The NPDES Permit authorizes PNPS to discharge pollutants to Cape Cod Bay, a Class SA water, “in accordance with effluent limitations, monitoring requirements and other conditions set forth” in the Permit. These discharges are in Part I.A.1 (circulating water and commingled waste streams), Part I.A.2 (non-thermal backwash water), Part I.A.3 (low volume waste), Part I.A.4 (intake screen washwater), Part I.A.5 (stormwater), Part I.A.6 (municipal water), Part I.A.7 (station heating system water, cooling water from heat exchangers of the Turbine Building Closed Cooling Water (TBCCW) system and Reactor Building Closed Cooling Water (RBCCW) system, drainage from the floor drains in the boiler room (station heating water), SSW system chlorinated salt water from various sumps in the Turbine and Reactor buildings, and reject water from the demineralizer system), Part I.A.8 (cooling water from heat exchangers of the Turbine Building Closed Cooling Water (TBCCW) system and Reactor Building Closed Cooling Water (RBCCW) system, SSW system chlorinated salt water from various sumps in the Turbine and Reactor buildings, and reject water from the emergency standby liquid control system), and Part I.A.9 (cooling water from heat exchangers of the Turbine Building Closed Cooling Water (TBCCW) system and Reactor Building Closed Cooling Water (RBCCW) system, SSW system

chlorinated salt water from various sumps in the Turbine and Reactor buildings, and reject water from the emergency standby liquid control system) of the NPDES Permit.

As noted above, the NPDES permit also lists specific discharges that are not authorized. *See* Part I.B.1-4. Specifically, unauthorized discharges include: pollutants in spent fuel pool water, Part I.B.2, pollutants in stormwater associated with construction activity, including activities, physical alterations, or additions associated with the dismantlement and demolition of plant systems, structures, and buildings, Part I.B.3, and pollutants associated with contaminated site dewatering, pipeline and tank dewatering, collection structure dewatering, or dredge-related dewatering, and including but not limited to physical alterations or additions resulting in the discharge of pollutants associated with the dismantlement and decontamination of plant systems and structures and/or the demolition of buildings, Part I.B.4. Further, EPA noted in the Response to Comments accompanying the NPDES Permit that

the Final Permit ***does not authorize*** the discharge of pollutants associated with the spent fuel pool water. Similarly, the Final Permit ***does not authorize*** the discharge of pollutants associated with other activities related to the decommissioning at PNPS, including, but not limited to, contaminated site dewatering, pipeline and tank dewatering, collection structure dewatering, dredge-related dewatering, or dismantlement and decontamination of plant systems and structures. If pollutants in these or similar wastestreams, or other wastestreams not expressly authorized by the Final Permit are expected to be discharged, the Permittee must either seek coverage for such discharges under another NPDES permit (i.e., an applicable General Permit)^[footnote omitted] or obtain a modification to the Final Permit. . . . ***[T]he Agencies are clarifying that the NPDES Permit only authorizes the discharge of pollutants associated with the wastestreams named in Part I.A of the Final Permit and that the discharge of pollutants in other wastestreams are not authorized.***

NPDES Permit No. MA0003557, Response to Comments at 275-77 (emphases added). Notably, although Holtec appealed some provisions of the NPDES Permit in 2020 to EPA's Environmental Appeals Board, it did **not** appeal the provisions at Part I.B.2-4.

Holtec has never provided EPA with a pollutant characterization of spent fuel pool water or other water associated with decommissioning the reactor. Holtec's January 27, 2022, letter and information sheet lay out three possible options for "water disposition," the first of which is to discharge such water to Cape Cod Bay. This is not an available option at this time, however, unless, as explained above, there are no CWA pollutants present. As EPA explained on the permit record, and as reflected in the permit itself, should Holtec wish to discharge any such water, it should first provide EPA with a full characterization of pollutants present in such water to determine whether Clean Water Act requirements apply and if they do, either apply for, and obtain, a modification of its existing individual NPDES Permit pursuant to 40 CFR part 122 or apply for, and obtain, authorization under an applicable NPDES general permit. In addition, since such discharges are likely to be considered new and/or increased discharges from the facility, they would be subject to an antidegradation review by the Massachusetts Department of Environmental Protection. *See* 40 CFR § 131.12; 314 CMR 4.04. The other two options for

water disposition named in your letter and information sheet (evaporation or off-site transportation and disposal) are unlikely to require any change to your current NPDES Permit or alternative NPDES coverage in EPA Region 1, since they do not appear from your description to involve a discharge of pollutants to waters in EPA Region 1.¹

I hope this letter clarifies what your NPDES Permit does (and does not) allow and your options for ensuring compliance with the Clean Water Act. If you have any questions, feel free to contact Damien Houlihan at (617) 918-1586.

Sincerely,

Ken Moraff, Director
Water Division

cc: NDCAP
Lealdon Langley, MassDEP

¹ NPDES coverage in another state might be required for option 3, if “disposition” in such case involves discharging pollutants to waters of the US. In addition, all three options require compliance with state and federal laws beyond the Clean Water Act.

To Whom It May Concern,

I am excited to formally submit this Letter of Interest for filling one of the vacancies on the Bourne Cultural Council. As a freelance film industry producer, I live bi-coastal and split my time between Los Angeles and Bourne. I was proudly raised in Bourne and went through the Bourne Public Schools system to receive my early education. The district's huge incorporation of the arts influenced me fundamentally. I wholeheartedly believe in the exposure of a wide variety of arts at the local level. It is time for me to give back to the community that I am still so happy to be a part of. My profession and education has exposed me to a diverse array of artistic experiences that will be an asset to the Bourne Cultural Council. This would directly impact my decisions while reviewing applications for local arts and cultural events as well as awarding grant funds received from the Massachusetts Cultural Council.

During my time in the Bourne Public Schools I was involved in the award winning theater program as well as the schools' state-of-the-art broadcast/journalism program. Upon graduation, I was accepted into the elite arts conservatory at the University of North Carolina School of the Arts where I received my B.F.A in Filmmaking. My concentration was in Producing and Screenwriting.

Professionally, I have had the privilege of working for high profile entertainment companies such as Bunin-Murray Productions (specifically on Project Runway: Season 15), Lantern Entertainment, Spyglass Media Group, and the boutique international sales and production company called 13 Films. Most recently, I have been spearheading my own projects as a producer. This fall, I was hired to produce a rock concert documentary in London at Royal Albert Hall. The subjects are the extremely talented southern rock band, Black Stone Cherry, and the film will be distributed on DVD/Blu-Ray and streaming worldwide. I have also recently produced a music video in Nashville for American Idol's Grace Leer. However, one of my proudest projects allowed me to blend together Hollywood and Bourne. During the pandemic I was able to produce a music video for Black Stone Cherry (*In Love With the Pain*) that starred Bourne natives alongside Jack Alcott (Showtime's star of *Dexter: New Blood*). I was so pleased when my lobbying to film on Cape Cod and to have the majority of the cast be our talented Bourne locals paid off. I hope to bring more productions locally in the future.

I believe that my entertainment industry background and arts-focused education make me uniquely qualified to be a member of the Bourne Cultural Council. It would be an honor to serve as a member of this council. Thank you for your consideration and I look forward to hearing from you.

Best regards,
Alexander Fleming





BOURNE HOUSING AUTHORITY

871 Shore Road • Pocasset, MA 02559 • (508) 563-7485 • FAX (508) 564-7531 • email: info@bournehousing.org

February 17, 2022

Town of Bourne
Attn: Peter Meier
24 Perry Ave
Buzzards Bay, MA 02532

Re: Reappointment to Bourne Human Services Committee

Dear Mr. Meier,

I write to you to day in regards to my position as the current Bourne Housing Authority Rep on the Human Services Committee.

I have served now for the past three years, and my appointment to this committee is up this year.

I would like to be considered for reappointment as the Bourne Housing Authority Representative.

Should you have any questions or concerns I can be reached here at the Housing Authority, Monday through Thursday, 7:30a to 3:30pm or via email kgarcia@bournehousing.org

Thank you for your time.

Sincerely,

Kara G Garcia
Housing Manager- MRVP and HCVP Admin
Bourne Housing Authority

cc: Glenn Cannon
Barry Johnson



Equal Opportunity Housing and Employment





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

February 16, 2022

Glenn Cannon
Acting Town Administrator
Bourne, MA
gcannon@townofbourne.com

Dear Mr. Cannon

I am responding to your February 4, 2022, letter to EPA Administrator Regan, in which the Town of Bourne expresses its opposition to Holtec's plan to discharge spent fuel pool water from the Pilgrim Nuclear Power Station (PNPS) into Cape Cod Bay.

EPA Region 1 shares your commitment to protect and maintain the environmental integrity of this important water body. Before providing an update on the status of Holtec's request to discharge spent fuel pool water, some background could be useful.

Holtec's decommissioning process is subject to an interlocking set of statutes and regulations to ensure any discharges of pollutants or radiological releases fully comply with the law and protect human health and the environment. The Clean Water Act (CWA) generally prohibits the discharge of "pollutants," as that term is defined in the statute, into the waters of the United States unless authorized by a National Pollutant Discharge Elimination System (NPDES) Permit. These CWA permits protect water quality through the imposition of effluent limitations and permit conditions, which, among other things, implement applicable state water quality standards and other applicable requirements.

While the NPDES Permit limits the types and amounts of pollutants that Pilgrim Nuclear Power Station may discharge and places conditions on the use of its cooling water intake structure, EPA's authority to regulate the facility under the CWA does not extend to radioactive materials regulated by a separate federal agency under a different statute—the Nuclear Regulatory Commission (NRC) under the Atomic Energy Act of 1954 (AEA). Spent fuel pool water could contain "pollutants" under the CWA or "radioactive materials" under the AEA, or both. If a discharge contains CWA-regulated pollutants, then it must be authorized under an NPDES permit in order to be lawful.

On January 30, 2020, EPA reissued the NPDES Permit for the discharge of pollutants regulated by the CWA from PNPS. The permit does *not* authorize Holtec to discharge CWA-regulated pollutants in spent fuel pool water or associated with other activities related to the decommissioning at PNPS, including, but not limited to, contaminated site dewatering, pipeline and tank dewatering, collection structure dewatering, dredge-related dewatering, or dismantlement and decontamination of plant systems and

structures. Upon learning that Holtec was contemplating the discharge of spent fuel pool water, representatives from EPA Region 1 immediately contacted the company and met with them to underscore that the NPDES Permit, jointly issued with the Massachusetts Department of Environmental Protection (MassDEP), does not authorize the discharge of CWA-regulated pollutants in spent fuel pool water. During the meeting, MassDEP also advised that such discharge is not authorized under state authority.

Recent press reports indicate the company has also been in dialogue with elected officials, and on January 12, 2022, it was reported that Holtec stated that it is continuing to delay any decision on whether to discharge and will not plan to discharge any process water in 2022. In the meantime, you should be assured that EPA is monitoring this situation closely and fully expects that Holtec will remain in dialogue with EPA, in addition to NRC and the Massachusetts Department of Environmental Protection, as necessary, to apprise the agencies of its plans regarding PNPS's spent fuel pool water. To ensure that there is no misunderstanding about our position, we have transmitted a copy of this letter to Holtec as well.

I hope this email helps addresses your concerns.

Should you have further concerns or questions, please contact Damien Houlihan via email at houlihan.damien@epa.gov or by phone at 617-918-1586.

Sincerely

A handwritten signature in black ink, reading "Deborah A. Szaro". The signature is fluid and cursive, with the first name "Deborah" being the most prominent part.

Deb Szaro

Deputy Regional Administrator

Cc: Martin Suuberg, Commissioner, Massachusetts Department of Environmental Protection
Lealdon Langley, Massachusetts Department of Environmental Protection
Seth Pickering, Massachusetts Department of Environmental Protection
Jack Priest, Massachusetts Department of Public Health
David Noyes, Pilgrim Station, Comprehensive Decommissioning International
Andrea Sterdis, Holtec Decommissioning International, LLC



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

February 18, 2022

Impact Area Groundwater Study Program
ATTN: Mr. Mark Leeper, Remediation Manager
ARNG Cleanup & Restoration Branch
111 George Mason Drive
Arlington, VA, 22204

RE: **BOURNE--BWSC**
Release Tracking Number: 4-0015031
Joint Base Cape Cod (JBCC), **Draft**
Technical Memorandum Demolition Area
1 Groundwater Extraction System Well
Field Design – MW-533, Comments

Dear Mr. Leeper:

The Massachusetts Department of Environmental Protection (MassDEP) has reviewed the document **“Draft Technical Memorandum Demolition Area 1 Groundwater Extraction System Well Field Design – MW-533”** (the “Tech Memo”) dated February 2022. The Tech Memo was prepared for the National Guard Bureau Impact Area Groundwater Study Program (IAGWSP) at Joint Base Cape Cod (JBCC). The Tech Memo details the rationale and process for completing the design of a new extraction and infiltration well and modular treatment unit (MTU) to address elevated concentrations of perchlorate recently detected in the Demolition Area 1 groundwater plume.

MassDEP notes that the descriptions for Simulations 3A and 4A on page 4 of the Tech Memo are incomplete. In addition to increasing the extraction well pumping rate, treatment and infiltration capacity at the base boundary treatment system, Figure 5 *Demolition Area 1-Project Note Zone 3 Well Optimization Analysis Simulations 3A & 4A* indicates that Simulations 3A and 4A also include the installation of a MTU and a new extraction well and reinjection well along Fredrickson Road. Please clarify in the Tech Memo on page 4 that Simulations 3A and 4A include the installation of a MTU, a new extraction well and reinjection well along Fredrickson Road approximately 200 ft downgradient of MW-533M1, extracting groundwater at the MTU maximum of 125 gpm.

Please incorporate this letter into the Administrative Record for the Demolition Area 1 groundwater. If you have any questions regarding this matter, please contact me at (508) 946-2871 or Elliott Jacobs at (508) 946-2786.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

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Sincerely,

A handwritten signature in black ink, appearing to read "Pinaud", enclosed within a circular outline.

Leonard J. Pinaud, Chief
Federal Site Management
Bureau of Waste Site Cleanup

P/ej

Ec: Upper Cape Boards of Selectmen
Upper Cape Boards of Health
JBCC Cleanup Team
MassDEP Boston/Southeast Region



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

February 8, 2022

Air Force Civil Engineer Center/JBCC
Attn: Ms. Rose H. Forbes
Remediation Program Manager
322 East Inner Road
Otis ANG Base, Massachusetts 02542

RE: **BOURNE – BWSC**
Release Tracking Number: 4-0000037, Joint Base
Cape Cod, **Draft Comprehensive Site Evaluation
Phase II Uniform Federal Policy – Quality
Assurance Project Plan Addendum 2:
Supplemental Investigation, Old Grenade Courts
Munitions Response Area- MOR**, Comments

Dear Ms. Forbes:

The Massachusetts Department of Environmental Protection (MassDEP) has received the Memorandum of Resolution (the MOR) dated February 2022, issued for the document **“Draft Comprehensive Site Evaluation Phase II Uniform Federal Policy-Quality Assurance Project Plan Addendum 2: Supplemental Investigation, Old Grenade Courts Munitions Response Area”** (the UFP-QAPP) dated July 2021 and the red-lined UFP-QAPP dated September 2021. The UFP-QAPP describes the management and technical approach proposed to be employed by the Air Force Civil Engineer Center (AFCEC) during execution of a supplemental investigation for munitions and explosives of concern (MEC) at the Old Grenade Courts Munitions Response Area (MRA). MassDEP has no comments on the MOR.

Please incorporate this letter into the Administrative Record for the Old Grenade Courts MRA at Joint Base Cape Cod. If you have any questions regarding this letter, please contact me at (508) 946-2871.

Sincerely,

Leonard J. Pinaud, Chief
Federal Site Management
Bureau of Waste Site Cleanup

P/lp

Ec: Upper Cape Boards of Selectmen
Upper Cape Boards of Health
JBCC Cleanup Team
MassDEP Boston/Southeast Regional Office

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

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MassDEP Website: www.mass.gov/dep

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Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

February 17, 2022

AFCEC/JBCC
Attn: Rose Forbes
Remediation Program Manager
322 East Inner Road
Otis ANG Base
Massachusetts 02542

RE: **BOURNE - BWSC**
Release Tracking Number: 4-0000037
Joint Base Cape Cod (JBCC)
**Draft Technical Evaluation/Well
Determinations for Former IRP
Extraction Well and Planned VA
Irrigation Well, Comments**

Dear Ms. Forbes:

The Massachusetts Department of Environmental Protection (MassDEP) has reviewed the documents **"Draft Technical Evaluation/Well Determinations for Former IRP Extraction Well 27EW0005 and Planned VA Irrigation Well VAIW-03 Associated with the VA Cemetery Expansion Project"** dated August 2021 (the Well Determinations). The well determinations were prepared by the Air Force Civil Engineer Center (AFCEC) to assess whether proposed U.S. Veterans Administration (VA) irrigation well (VAIW-03), associated with the Massachusetts National Cemetery, which if constructed would be located within the Landfill-1 (LF-1) groundwater plume operable unit Land Use Control (LUC) Area, and AFCEC LF-1 groundwater plume remediation extraction well 27EW0005, which is located within the Landfill-1 (LF-1) groundwater plume LUC area, would be suitable to use as a source of irrigation water at the Massachusetts National Cemetery located on JBCC. MassDEP offers the following comments on the Well Determinations.

A planned expansion of the Massachusetts National Cemetery will necessitate an increase in the irrigation water demand for the cemetery and to meet that demand the VA proposes the conversion of a former LF-1 groundwater contaminant plume extraction well (27EW0005) to an irrigation well (VAIW-02) and the installation of a new irrigation well (VAIW-03) upgradient of VAIW-02. The Well Determinations state that extraction well 27EW0005 was installed as the northern-most groundwater extraction well for the LF-1 groundwater remediation system designed to intercept the LF-1 groundwater plume at the JBCC base boundary. The AFCEC is continuing to actively recover and treat impacted groundwater migrating from the landfill. Extraction well 27EW0005 operated between 1999 and 2019 to remediate the on-JBCC portion of the LF-1 northern lobe groundwater contamination predominantly defined by trichloroethene (TCE) at concentrations above the federal Maximum Contaminant Level of 5 micrograms per liter (µg/L). Irrigation well VAIW-03 is proposed for installation by the VA approximately 2,550 feet upgradient of

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

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extraction well 27EW0005. The proposed location of VAIW-03 is within the former footprint of the LF-1 northern lobe TCE plume.

Aquifer pump tests were conducted in June 2021 at 27EW0005 and at a test well for VAIW-03 and a modeling-based capture zone analysis was completed to estimate the extent of hydraulic influence of proposed VAIW-02 and VAIW-03 in relation to the current LF-1 groundwater contaminant plume. Although the results of the capture zone analysis predict that the operation of the proposed VA irrigation wells is not expected to redirect flow from the LF-1 groundwater contaminant plume, the modeling does indicate the capture zones could potentially intercept a portion of the landfill which was the source of volatile organic compound (VOC) contaminants to the groundwater and may also be a source of per- and polyfluoroalkyl substances (PFAS). The emerging contaminants 1,4-dioxane and PFAS were discovered in the LF-1 groundwater plume in 2013, and 2016, respectively, including in the LF-1 Northern Lobe. There are groundwater monitoring wells located in the northeast portion of the capture zones for the irrigation wells (near the landfill) that in the past have been used to monitor VOCs in the groundwater but have not been used to monitor PFAS. The extent of PFAS contamination has not been fully assessed at JBCC.

Influent groundwater samples were collected for PFAS analysis on day 1 and day 5 of the pump test. No PFAS were detected in the sample collected on day 1 of the pump test, however, low, estimated concentrations of PFAS was reported in the sample collected on day 5, indicating that with prolonged pumping PFAS concentrations in the water pumped from the proposed irrigation wells could increase.

The Well Determination for 27EW0005 states **“Based on the evaluation of data collected at and near 27EW0005 including during a 5-day multi-well pump test presented in this well determination, use of this well as a source of irrigation water for the VA cemetery property at the permitted limits is unlikely to draw in groundwater containing any of the LF-1 legacy COCs, PFAS, or 1,4-dioxane above risk-based drinking water standards or advisories. Furthermore, based on a prior capture zone analysis and groundwater monitoring conducted by AFCEC, operation of 27EW0005 for irrigation at the permitted flow rates up to 500 gpm is not expected to have any effect on the ongoing remedial actions for the main body of the LF-1 plume located to the south.”** The Well determination for VAIW-03 states **“Based on the evaluation of available data including PFAS data collected during a pumping test at the VA’s planned irrigation well sites and a modeling-based capture zone analysis specifically designed to assess the planned operation of the irrigation wells, use of an irrigation well near the VA temporary well VAIW-03PT as a source of irrigation water for the VA cemetery property within the permitted limits is unlikely to draw in groundwater containing any of the LF-1 legacy COCs, PFAS, or 1,4-dioxane above risk-based drinking water standards or advisories. Furthermore, based on a capture zone analysis completed by Horsley Witten, operation of a VA irrigation well in this area at the permitted rate is not expected to have any effect on the ongoing remedial actions for the main body of the LF-1 plume located to the south...”**

MassDEP is concerned that if PFAS-contaminated groundwater exists in the capture zones of the proposed irrigation wells then the pumping of these wells could increase the rate of contaminant migration and inadvertently move this potential contamination to the irrigation wells and to areas in the aquifer that contribute to Public Water Supply wells in the future. Given the potential for PFAS contaminated groundwater to occur in the vicinity of these proposed irrigation wells in the future, a long-term monitoring program should be conducted to determine if changes in the concentration of PFAS in the water from the proposed irrigation wells warrants some action in the future.

MassDEP requests that the AFCEC sample the following existing LF-1 groundwater monitoring wells to help define the extent of PFAS6 concentrations above the MMCL along the northwestern PFAS6 boundary: 27MW0015A,B,C (or alternatively 27MW0016A,B,C), 27MW2081 (or alternatively 27MW2082), 27MW0701/701A, and 27MW0071/27MW2071. This is a total of eight wells at 4 locations that are screened at a variety of depths and are spatially aligned along the longitudinal axis of the composite capture zone for the proposed VA cemetery irrigation wells VAIW-02 and VAIW-03.

Please incorporate this letter into the Administrative Record for the Landfill-1 groundwater operable unit. If you have any questions regarding this matter, please contact me at (508) 946-2871 or Elliott Jacobs at (508) 946-2786.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Pinaud", enclosed within a circular outline.

Leonard J. Pinaud, Chief
Federal Site Management
Bureau of Waste Site Cleanup

Ec: Upper Cape Boards of Selectmen
Upper Cape Boards of Health
JBCC Cleanup Team
MassDEP Boston/Southeast Region



Commonwealth of Massachusetts
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Secretary

Martin Suuberg
Commissioner

February 17, 2022

AFCEC/JBCC
Attn: Rose Forbes
Remediation Program Manager
322 East Inner Road
Otis ANG Base
Massachusetts 02542

RE: **BOURNE - BWSC**
Release Tracking Number: 4-0000037
Joint Base Cape Cod (JBCC)
**Draft Supplemental Feasibility Study
Report for 1,4-Dioxane and Per- and
Polyfluoroalkyl Substances at Landfill-1,
Comments**

Dear Ms. Forbes:

The Massachusetts Department of Environmental Protection (MassDEP) has reviewed the document **"Draft Supplemental Feasibility Study Report for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances at Landfill-1"** dated January 2022 (the LF-1 FS). The LF-1 FS, prepared for the Air Force Civil Engineer Center (AFCEC) Installation Restoration Program (IRP) at Joint Base Cape Cod (JBCC), summarizes the findings of a Supplemental Feasibility Study (FS) for 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS) in groundwater associated with the Landfill-1 (LF-1) groundwater plume at JBCC. MassDEP offers the following comments on the LF-1 FS.

General Comment:

1. The AFCEC states at numerous places in the LF-1 FS that for the active remedial alternatives, groundwater treatment plant effluent samples would be collected to assess remedial performance and ensure that 1,4-dioxane and PFAS concentrations do not exceed the proposed effluent discharge criteria (i.e., the site-specific, risk-based remediation goal (RG) of 0.46 µg/L (micrograms per liter) and the PFAS6 Massachusetts Contaminant Level (MMCL) of 0.02 µg/L) in the effluent. As you are aware, 1,4-dioxane and PFAS-contaminated groundwater can be treated to non-detectable concentrations with granular activated carbon (GAC) as has been demonstrated at various IRP groundwater treatment plants at JBCC. Consistent with the long established JBCC IRP compliance goal of no detections of contaminants of concern in the effluent of JBCC treatment systems, and compliant with the *Operations and Maintenance Plan for Groundwater Extraction and Treatment Systems* (2018), PFAS6 compounds and 1,4-dioxane must be treated to non-detectable concentrations prior to effluent discharge from a groundwater treatment system since it is technically feasible to do so and will prevent any further degradation of groundwater quality in the sole source aquifer.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

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2. MassDEP notes that Figure 1-3 *LF-1 PFAS6 Detections in Groundwater* indicates that there is some uncertainty regarding the northern extent of the LF-1 PFAS groundwater contamination along the northwestern portion of the PFAS6 groundwater contamination located immediately downgradient of the landfill. (i.e., between monitoring wells 27MW0095 and 27MW1012). PFAS6 concentrations above the MMCL were detected in 2016 (the only time these wells were sampled for PFAS) in 27MW0095, 27MW1009A and 27MW1012A, B and were detected above the U.S. Environmental Protection Agency (EPA) Lifetime health Advisory (LHA) for Per- and Polyfluoroalkyl Substances (PFAS) of 0.07 µg/L in 27MW1012B. The PFAS6 detections in 27MW0095 and 27MW1012A are particularly concerning since these two wells are screened deep in the aquifer (i.e., approx. 250 feet below ground surface), and the presence of PFAS6 groundwater contamination at this depth immediately downgradient of the landfill very likely indicate a potential contaminant source upgradient of the landfill. Please indicate what data the AFCEC used to establish the LF-1 PFAS6 boundary to the northwest of these wells. Additional groundwater investigation upgradient of these wells appears to be necessary.

MassDEP recommends that the AFCEC sample the following wells to help define the extent of PFAS6 concentrations above the MMCL along the northwestern PFAS6 boundary: 27MW0015A,B,C (or alternatively 27MW0016A,B,C), 27MW2081 (or alternatively 27MW2082), 27MW0701/701A, and 27MW0071/27MW2071. This is a total of eight wells at 4 locations that are screened at a variety of depths and are spatially aligned along the longitudinal axis of the composite capture zone for the proposed VA cemetery irrigation wells VAIW-02 (27EW0005) and VAIW-03.

3. MassDEP notes that on October 2, 2020, MassDEP published final regulations establishing a Massachusetts Maximum Contaminant Level (MMCL) for drinking water, and prior to this, on December 27, 2019 MassDEP promulgated groundwater standards under the Massachusetts Contingency Plan (MCP – 310 CMR 40.0000) for the sum of six per- and polyfluoroalkyl substances (PFAS): perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorohexane sulfonic acid (PFHxS), perfluorononanoic acid (PFNA), perfluoroheptanoic acid (PFHpA), and perfluorodecanoic acid (PFDA).

The AFCEC states on page 1-2 of the LF-1 FS, **“PFDA, which is one of the PFAS included in the PFAS6 MMCL, was not included in the PFAS analytical scope at JBCC during the collection of the data that supported the Supplemental RI (AFCEC 2018a). However, a groundwater sample was collected in the core of the LF-1 PFAS plume area at extraction well 27EW0001 in 2019 (Figures 1-3 and 1-4), and PFDA was not detected (Table 1-3). Extraction well 27EW0001 has consistently had the highest PFAS concentrations of all the LF-1 extraction wells. Given that the highest PFAS concentrations are detected in the area upgradient of 27EW0001, it can be concluded that PFDA is not a significant factor at LF-1, and it is unlikely PFDA is present at concentrations that would require a reevaluation of the nature and extent of PFAS. Note that PFDA has now been added to the JBCC PFAS analytical suite and future monitoring will include the reporting of PFDA concentrations. Data collected to date at other JBCC PFAS sites indicate that PFDA concentrations are not significant in comparison to the more commonly detected PFAS (i.e., PFOS, PFOA and PFHxS) that are reported at higher concentrations.”** MassDEP acknowledges that PFDA is not usually seen as a major contributor to the total PFAS6 concentration at the IRP JBCC PFAS sites, however, recent PFAS sampling performed by the Impact Area Groundwater Study Program (IAGWSP) at JBCC detected PFAS6 concentrations above the MMCL in several J-2 North plume monitoring wells in the northern portion of JBCC. PFDA was the primary PFAS6 constituent in these wells. Therefore, MassDEP recommends that the AFCEC sample a representative subset of LF-1 monitoring wells for PFAS6 (including PFDA) given the uncertainties in

the evolving understanding of PFAS6 distribution and composition at JBCC, prior to finalizing the LF-1 FS.

4. The AFCEC states on page 3-18 of the LF-1 FS, **“With the startup of the additional infrastructure in 2025, the Alternative 3 transport simulation indicates hydraulic capture of the PFAS plume at the base boundary and a slight decrease in the size of the PFAS plume (Figure 3-6) in comparison to Alternative 2 (Figure 3-4) by 2030. By 2044 the majority of the PFAS plume that is within the usable portion of the aquifer has been remediated, and by approximately 2075 the modeling indicates the aquifer is restored. For 1,4-dioxane, system operation under Alternative 3 shortens the cleanup of the usable portion of the aquifer by two years (i.e., 2031 versus 2033), however, residual 1,4-dioxane contamination lingers through 2079 in nonproductive portions of the aquifer near the bedrock surface (Appendix F).”** MassDEP notes that the LF-1 groundwater contaminants of concern PCE and TCE currently dictate the predicted aquifer restoration timeframe of approximately 2045 for the LF-1 groundwater operable unit. MassDEP requests that the AFCEC provide a remedial alternative in the LF-1 FS that achieves aquifer restoration for PFAS6 and 1,4-dioxane more consistent with the current predicted aquifer restoration timeframe of approximately 2045.

Page-specific Comments:

1. Page 1-12, Section 1.3, Updated PFAS Conceptual Site Model:

The AFCEC states, **“PFAS contamination generally follows the flow path of the existing LF-1 PCE/TCE plume. While there is one monitoring well within the footprint of the landfill (27MW0017A) with a PFAS6 concentration of 0.0295J µg/L, just above the MMCL of 0.02 µg/L (Figure 1-3, Table 1-3), the main body of the PFAS plume is detached from the landfill source area and extends to the extraction fence where it is being captured. This zone of PFAS contamination is approximately 9,000 ft long, up to 1,100 ft wide, and up to 100 ft thick (AFCEC 2018a). The highest PFAS6 concentration, 1.076J µg/L, was detected at 27MW1003A, which is located approximately 1,700 ft hydraulically upgradient of the extraction fence (Figures 1-3 and 1-4).”** MassDEP notes that Figure 1-3 *LF-1 PFAS6 Detections in Groundwater* indicates that there is some uncertainty regarding the eastern extent of the LF-1 PFAS groundwater contamination along the northeastern portion of the PFAS contamination located immediately downgradient of the landfill (i.e., between monitoring wells 27MW2134 and 27MW0097). Please indicate what data the AFCEC used to establish the LF-1 PFAS6 groundwater contaminant boundary to the east of these wells. It is possible that the operation of the Chemical Spill-10 (CS-10) In-plume extraction wells may redirect PFAS from the eastern edge of the landfill towards the CS-10 groundwater plume.

The AFCEC states on page 3-4 of the *Final Supplemental Remedial Investigation Report for 1,4-Dioxane at Chemical Spill-10* (the CS-10 1,4-dioxane RI) dated March 2017, **“Modeling conducted during system design in 1999 indicated that operation of CS-10 IP extraction wells 03EW2102, 03EW2104, and 03EW2107 would redirect groundwater flow in the eastern edge of the Landfill-1 (LF-1) plume to the west toward CS-10 (AFCEE 2000a, 2000b).”** MassDEP notes that PFAS data received from the AFCEC for the active CS-10 In-plume extraction wells, which were sampled in July 2021, indicate that PFAS6 was detected in extraction well 03EW2107 at a concentration of 0.045 µg/L, which is above the MMCL of 0.02 µg/L. The PFAS results for extraction well 03EW2107 are concerning as they greatly expand the extent of known PFAS6 contamination above the MMCL in the CS-10 main plume body (i.e., 03EW2107 is located upgradient of the CS-10 Southwest infiltration trench and is located over one mile northwest of 03EW2111, which previously defined the western extent of the Flight Line PFAS groundwater contamination). The source of the PFAS contamination in extraction well 03EW2107 has

not been determined and could possibly originate from LF-1, the westernmost portion of the JBCC Flight Line, or an unknown source within the CS-10 groundwater plume. Please indicate under what operable unit the AFCEC intends to evaluate the PFAS contamination detected in July 2021 in CS-10 In-plume extraction wells 03EW2103, 03EW2105 and 03EW2107 located to the west of 03EW2111.

2. Page 1-12, Section 1.3, Updated PFAS Conceptual Site Model:

The AFCEC indicates, **“The PFAS6 concentrations were above the MMCL of 0.02 µg/L at all of the operational LF-1 extraction wells except 27EW0004 (Table 1-3). Following the consolidation of flow from the five remaining LF-1 extraction wells with flow from CS-4 and CS-21 extraction wells for treatment at HATF in March 2019, the combined influent at HATF was sampled in December 2019 and the PFAS6 influent concentration was 0.0577J µg/L (Table 1-3). The combined influent was resampled in December 2020 and the PFAS concentration was 0.0748J µg/L (Table 1-3). PFAS are treated by GAC with varying effectiveness (Kempisty 2014). The PFAS6 effluent concentrations have been lower than the corresponding influent concentration each time HATF has been sampled for PFAS, indicating that PFAS are adsorbed by GAC at the HATF (Table 1-3). This is consistent with similar observations at Ashumet Valley (AFCEC 2017).”** MassDEP notes that concentrations of PFAS6 have been detected above the MMCL in the effluent of several IRP groundwater treatment plants at JBCC, including the Hunter Avenue treatment plant (see table below). Most of these treatment systems have been operating for approximately fifteen years and have only recently been sampled for PFAS. The AFCEC notified the regulatory agencies in 2015 that a breakthrough of PFAS from the Ashumet Valley groundwater treatment plant impacted private drinking water wells for residences located along and downgradient of Currier Road in Falmouth. This breakthrough of PFAS resulted in the AFCEC taking response actions to prevent exposure to PFAS and performing an investigation to determine the extent of groundwater impacted by the breakthrough of PFAS. MassDEP requests that the AFCEC evaluate groundwater downgradient of every area where PFAS6 has been discharged from an IRP groundwater treatment system, including the HATF, for the presence of PFAS6.

JBCC GROUNDWATER TREATMENT PLANT INFLUENT/EFFLUENT PFAS DATA

JBCC Treatment Plant	Sample Date(s)	*Total PFAS Influent Concentration µg/L	*Total PFAS Effluent Concentration µg/L	Effluent PFAS Sample Frequency	Effluent Discharge Location	Comments
Ashumet Valley	July 2014 – April 2021	0.274 – 0.903	ND - 0.093	Annual 2014; Semiannual 2015, 2019, 2020; Quarterly 2016 - 2018	Infiltration trench at Sandwich Road	Discharge to Currier Road infiltration trench ceased September 2015. Carbon changeout on June 2018 based on PFOS/PFOA effluent concentration nearing EPA HA
Fuel Spill-1	June and July 2018	0.363 – 0.384	0.0777 - July 2018	Effluent only sampled once	SW bubbler to Quashnet River	FS-1 offline since August 2019
Landfill-1	February 2016	0.136	0.0494	Effluent only sampled once	Infiltration trench and reinjection well. Some water diverted to VA cemetery for irrigation.	Discharge to the LF-1 infiltration gallery and reinjection well ceased in March 2019 when all the LF-1 effluent was redirected to the Hunter Ave treatment system
HATF (LF-1/CS-23)	February 2016, June 2019, December	0.046 in February 2016 – 0.075 in	ND – 0.0627 85PLT01005	Effluent sampled in February 2016, December	Hunter Avenue infiltration trenches (2)	June 2019 – December 2020 influent data = LF-1 combined w/CS-4/CS-21

	2019 June 2020 December 2020	December 2020		2019, June 2020, and December 2020		
HATF (CS-4/CS-21) effluent only	NA	NA	0.0278 – 0.0633 85PLT01003	Effluent in sampled December 2019, June 2020 and December 2020	SWOU RI wells (5) and infiltration trenches (2)	Flow discontinued to all trenches January/February 2020 and redirected to 4 RI wells; June -December 2020 flow to HATF East trench and 3 RIs
SRTF CS-10 Sandwich Road	September 2017, February 2020, August 2020, February 2021, May 2021, June 2021, July 2021	0.049 – 0.064	0.0004 – 0.022	Effluent sampled June and December 2018, August 2020, February 2021, May 2021, June 2021, July 2021	SD-5 North RI wells (8) and Sandwich Road RI wells (3)	Treated SRTF CS-10 Sandwich Road and Northern Lobe influent is discharged as combined effluent.
SRTF CS-10 Northern Lobe	September 2017, February 2020, August 2020, February 2021, May 2021, June 2021, July 2021	0.021 – 0.0645	N/A	N/A	Same as above	
CS-10 In-plume Plant A Plant B Plant C Plant D	April 2021	0.0534 0.0072 0.0534 0.0418	0.0176		Effluent is discharged to CS-10 Southern/SW infiltration trenches	

*Total PFAS based on summation PFOS + PFOA + PFHpA + PFHxS + PFNA. PFDA was not reported in the AFCEC data tables until 2021.

3. Pages 1-12 and 1-13, Section 1.3, Updated PFAS Conceptual Site Model:

The AFCEC states, “**The former PFOS/PFOA plume boundary presented in the Supplemental RI that was defined by to the EPA LHA of 0.07 µg/L was expanded as a result of being defined by the PFAS6 MMCL of 0.02 µg/L. One of these areas of PFAS6 contamination is near the former LF-1 reinjection well and infiltration gallery with PFAS6 detected at monitoring well 27MW0093 at an estimated PFAS6 concentration of 0.0668J µg/L (Figure 1-3, Table 1-3). Groundwater samples collected at 27MW0093 are representative of the treatment plant effluent being introduced deep in the aquifer via reinjection well 27RIW0001 which became operational in February 2008; the 27MW0093 monitoring well screen is located immediately adjacent to the reinjection well (AFCEE 2009). Therefore, it is probable that the PFAS detected at 27MW0093 were in the treatment plant effluent rather than migrating in the aquifer from upgradient. PFAS6 MMCL exceedances are not observed in monitoring wells located upgradient or downgradient of this monitoring well (Figure 1-3). As discussed previously, PFAS are treated by GAC with varying degrees of effectiveness (Kempisty 2014).**”

Further on page 1-13, the AFCEC indicates, “**Under the revised operation between 2008 and 2019 (when the LF-1 treatment plant was shut down), the timeframe between GAC exchanges has ranged**

from approximately six months to 14 months. Therefore, the LF-1 remedial system was incidentally treating the PFAS contamination most of the time, but when the GAC was in service for longer time periods the adsorption capacity of the GAC may have been reached, possibly resulting in breakthrough of detectible concentrations of PFAS. This was likely the case when 27MW0093 was sampled for PFAS6 in April 2016 because the GAC at the LF-1 treatment plant had been in service for over nine months (previous carbon exchange was 29 June 2015, subsequent carbon exchange was 24 May 2016). The sub-MMCL PFAS6 detections observed at the Bourne PWSWs (see Section 1.4, Appendix C) is also further evidence that PFAS may have been periodically discharged in the LF-1 effluent in the periods immediately prior to GAC exchanges for the LF-1 COCs while the LF-1 reinjection well was operational.” As noted in Page-specific Comment #2, it is very likely that the discharge of PFAS from the various IRP treatment plants has impacted groundwater to varying degrees depending upon the PFAS effluent concentration, duration of the discharge, and the number of times a discharge of PFAS to groundwater may have occurred. Therefore, MassDEP requests that the AFCEC evaluate groundwater downgradient of any area where PFAS6 has been discharged from an IRP groundwater treatment system, including the HATF, for the presence of PFAS6.

4. Page 3-9, Section 3.3.1, Modeling of Groundwater Alternatives, Model Setup:

The AFCEC states, **“MNA processes contribute to the concentration reduction as the 1,4-dioxane plume migrates to the LF-1 extraction fence at the base boundary under the Alternative 1 flow conditions (Table 1-2).”** In addition, the AFCEC indicates on page 1-8 of the LF-1 FS, **“Once in groundwater, 1,4-dioxane contamination would travel on the same flow path and likely concurrent with the LF-1 PCE/TCE plume and contamination would be transported through advection and dispersion with natural attenuation processes (primarily dispersion and dilution) reducing the mass, volume, and concentration over time.”** MassDEP notes that most natural attenuation processes (i.e., volatilization, adsorption, degradation (particularly anaerobic)) are generally ineffective for 1,4-dioxane and, as noted in the text from page 1-8, dispersion will likely be the only significant natural attenuation process affecting 1,4-dioxane concentrations in the LF-1 groundwater plume. Please clarify the text.

Please incorporate this letter into the Administrative Record for the Landfill-1 groundwater operable unit. If you have any questions regarding this matter, please contact me at (508) 946-2871 or Elliott Jacobs at (508) 946-2786.

Sincerely,



Leonard J. Pinaud, Chief
Federal Site Management
Bureau of Waste Site Cleanup

P/EJ

Ec: Upper Cape Boards of Selectmen
Upper Cape Boards of Health
JBCC Cleanup Team
MassDEP Boston/Southeast Region



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Charles D. Baker
Governor

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Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

February 11, 2022

AFCEC/JBCC
Attn: Rose Forbes
Remediation Program Manager
322 East Inner Road
Otis ANG Base
Massachusetts 02542

RE: **BOURNE - BWSC**
Release Tracking Number: 4-0000037
Joint Base Cape Cod (JBCC)
**Draft Remedial Investigation Work Plan
for Per- and Polyfluoroalkyl Substances
at the Flight Line Operable Unit,**
Comments

Dear Ms. Forbes:

The Massachusetts Department of Environmental Protection (MassDEP) has reviewed the document **"Draft Remedial Investigation Work Plan for Per- and Polyfluoroalkyl Substances at the Flight Line Operable Unit, Joint Base Cape Cod, MA"** dated January 2022 (the RI Work Plan). The RI Work Plan was prepared for the Air Force Civil Engineer Center (AFCEC) Installation Restoration Program (IRP) at Joint Base Cape Cod (JBCC) and details the actions that will be taken to complete a Remedial Investigation (RI) for per- and polyfluoroalkyl substances (PFAS) contamination in soil and groundwater at the Flight Line Area Operable Unit at JBCC. The objectives of the RI are to characterize the nature and extent of PFAS contamination in soil, groundwater, sediment, and surface water at the Flight Line Area Operable Unit and evaluate its fate and transport. The characterization data will be used to determine if potentially unacceptable risks to human health and the environment exist from exposure to PFAS that would require mitigation and/or remedial actions. MassDEP offers the following comments on the RI Work Plan.

General Comments:

1. On page 9, Work Sheet 9, *Project Scoping Session Participants Sheet* the AFCEC states, **"In addition, groundwater and surface water data collected in the FS-1 area indicated that the source of PFAS contamination was not the same as the source for the legacy fuel-related FS-1 contamination (AFCEC 2012). The FS-1 site is in the site closure process (AFCEC 2021a). The PFAS discovered near FS-1 will be investigated as part of the adjacent Former Building 118-Runway 32 site in this RI."** MassDEP notes that there is ample and compelling evidence that the Eastern and Western Aircraft Turnaround areas, which are the source areas for the legacy fuel-related Fuel Spill-1 (FS-1) groundwater contamination, are also the source of much, if not all, of the PFAS groundwater

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contamination identified within the former footprint of the FS-1 ethylene dibromide (EDB) groundwater plume.

On Page 4-7 of the *Final Expanded Site Inspection Report for Per- and Polyfluoroalkyl Substances at the Flight Line Area Sites, Joint Base Cape Cod, MA* dated August 2021 (the PFAS SI), the AFCEC states, **"The FS-1 site is in the area of a former ethylene dibromide (EDB) groundwater plume that resulted from surficial releases of aviation gasoline at the Eastern and Western Aircraft Turnaround areas within the northeastern portion of the Flight Line Area (AFCEC 2012). The FS-1 source area (Eastern and Western Aircraft Turnaround areas) for legacy contaminants is bordered by undeveloped vegetated areas to the north, east, and west, and a paved additional aircraft turnaround area to the south (Figure 4-2a). The geographic coordinates of the area are 41°39'05.67" N Latitude and 70°30'38.22" W Longitude. Historical water level information from the site and former EDB plume monitoring indicate that the groundwater in this area flows in a south to southeasterly direction, toward the Quashnet River and bogs (AFCEC 2012). The Eastern and Western Aircraft Turnaround areas were used from 1955 to 1970 to test fuel dump valves on EC-121 Super Constellation aircraft. As part of the tests, fuel was intentionally released directly onto the ground (AFCEC 2012). Although there are no known uses or documented releases of AFFF in this area while being used for testing fuel dump valves, the timeframe the site was used is close to the start of AFFF use for suppressing aircraft and vehicle fires as well as vapor suppression on fuel releases (approximately 1970). The Eastern and Western Aircraft Turnaround areas were identified in the PA (AFCEC 2015b) and the Focused SI confirmed the presence of PFOS+PFOA with concentrations of up to 0.086 µg/L in a groundwater sample collected near the Aircraft Turnaround areas (AFCEC 2017)."**

On October 2, 2020, MassDEP published final regulations establishing a Massachusetts Maximum Contaminant Level (MMCL) for drinking water, for the sum of six per- and polyfluoroalkyl substances (PFAS6). The MMCL is 20 nanograms per liter (ng/L, or parts per trillion (ppt)), which is equal to 0.02 µg/L (micrograms per liter or parts per billion (ppb)) for what the regulations call PFAS6, or the sum of six PFAS compounds: perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorohexane sulfonic acid (PFHxS), perfluorononanoic acid (PFNA), perfluoroheptanoic acid (PFHpA), and perfluorodecanoic acid (PFDA). The PFAS6 MMCL meets the applicable or relevant and appropriate requirements (ARARs) pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

MassDEP notes that Figure 4 *Proposed RI Sampling Locations-Former Building 118-Runway 32* of the RI Work Plan identifies the Eastern and Western Aircraft Turnaround areas as the approximate FS-1 operable unit site boundary identified in the PA. PFAS6 concentrations above the MMCL were identified in nearly all the monitoring wells (5 of 6) and in one drive point well installed within or near the FS-1 site boundary identified on Figure 4. These wells are screened either at the groundwater table or at shallow depths in the aquifer, and the presence of PFAS6 in these wells indicates that the source of the PFAS contamination in these wells is at or near the Eastern and Western Aircraft Turnaround areas.

PFAS6 has been detected above the MMCL of 20 ng/L in 5 drive points and 11 monitoring wells within the FS-1 groundwater area of contamination. PFAS6 was also detected above the MMCL in FS-1 groundwater extraction well 36EW0011 and in numerous surface water samples from the Quashnet River and bog complex. PFAS6 is widespread in the aquifer throughout the FS-1 area of contamination, extending from the FS-1 source area to the Quashnet River, the likely discharge point for the PFAS6 contamination. PFAS6 concentrations above the MMCL have been observed over a

100-foot vertical span in the aquifer at drive point 36DP0306 where a maximum PFAS6 detection of 3,705 ng/L was detected. The groundwater model particle track provided on Figure 2 *Particle Tracks from Flight Line Area Operable Unit Sites* of the RI Work Plan indicates that the groundwater from the Eastern and Western Aircraft Turnaround areas flows in a southerly direction and eventually discharges to the Quashnet Bogs.

On page 4-11 of the PFAS SI, the AFCEC indicates, **“Based on measurements in monitoring wells, the depth to groundwater ranges from approximately 50 ft bgs at the Eastern and Western Aircraft Turnaround area to less than two feet adjacent to the Quashnet River and bogs. Historical water level information collected during the investigation and remediation of the former FS-1 EDB plume indicate that the groundwater that originates at the Eastern and Western Aircraft Turnaround areas flows in a southerly direction off-base and upwells to discharge into the Quashnet River and bogs (AFCEC 2012) (Figure 3-2). Based on the groundwater sampling results, PFOS/PFOA contamination has impacted groundwater in the Eastern and Western Aircraft Turnaround area and in downgradient areas with PFAS being partially captured by off-base extraction well 36EW0011 when operating prior to August 2019.”**

Please provide a detailed explanation based upon the known hydrologic setting and distribution of PFAS in the FS-1 groundwater operable unit study area to support the conclusion on Worksheet #9, page 9 in the RI Work Plan **“In addition, groundwater and surface water data collected in the FS-1 area indicated that the source of PFAS contamination was not the same as the source for the legacy fuel-related FS-1 contamination (AFCEC 2012).”** Please provide specific monitoring well information and an explanation regarding how surface water data is interpreted to support this conclusion.

2. MassDEP does not agree with the proposal to investigate the occurrence of PFAS within the FS-1 groundwater operable unit study area as part of the adjacent Former Building 118-Runway 32 site as proposed in the PFAS RI. On page 5-3 of the PFAS SI, the AFCEC indicates, **“To streamline the work planning and implementation of the RI, the six Flight Line Area sites that will proceed to an RI will be managed collectively as a Flight Line Area Operable Unit. Consistent with this operable unit site management approach and as described in Section 3.7, AFCEC has expanded the PFAS private well outreach area (Figure 3-4) to cover the off-base area where PFAS are potentially migrating in groundwater from the Flight Line Area Operable Unit sites. The purpose of this outreach area is to identify, monitor, and potentially mitigate exposure to PFAS contaminated groundwater via private drinking water wells while CERCLA remedial actions proceed. As noted in Section 4.2, the FS-1 site is undergoing site closure for the legacy fuel related contaminants; the PFAS discovered near FS-1 will continue to be investigated as part of the Flight Line Area Operable Unit.”**

MassDEP understands the approach to investigate PFAS contamination in the FS-1 groundwater operable unit study area as part of the Flight Line Area Operable Unit to facilitate closure of the FS-1 legacy fuel related contaminants. However, much of the PFAS contamination in the FS-1 groundwater study area is located far upgradient or cross-gradient of the adjacent Former Building 118-Runway 32 site, and MassDEP finds scant evidence to link these two sites. Perhaps an alternative approach would be to designate groundwater contaminated with PFAS within the FS-1 groundwater operable unit study area as a separate Flight Line area site.

Page-Specific Comments:**1. Page 10, Work Sheet #9, Project Scoping Session Participants Sheet:**

The AFCEC states, **“Characterization results will, in general, be provided weekly to the regulatory agencies via e-mail. In addition, the data will be presented to the regulatory agencies at Technical Update Meetings and the need for additional data will be determined at those meetings. This RI is being completed to determine the nature and extent of PFAS contamination in the Flight Line Area Operable Unit and to gather the data required to complete an RI report. The RI Report will include a determination of site risks and an assessment of whether additional remedial alternatives and/or treatment options need to be considered according to EPA guidance (EPA 1988).”** MassDEP notes that PFAS data received from the AFCEC for the active Chemical Spill-10 (CS-10) In-plume groundwater extraction wells, which were sampled in July 2021, indicate that PFAS6 was detected in CS-10 In-plume groundwater extraction wells 03EW2103, 03EW2105 and 03EW2107 at concentrations at or above the MMCL.

The PFAS results from these groundwater extraction wells are concerning as they greatly expand the extent of known PFAS6 contamination above the MMCL in the CS-10 main groundwater plume body (i.e., 03EW2107 is located upgradient of the CS-10 Southwest infiltration trench and is located over one mile northwest of 03EW2111, which currently defines the western extent of the Flight Line PFAS groundwater contamination). The source of the PFAS contamination in these extraction wells has not been determined and could possibly originate from the Landfill-1 (LF-1) operable unit, the westernmost portion of the JBCC Flight Line, or an unknown source within the CS-10 groundwater plume. Please indicate under what operable unit the AFCEC intends to evaluate the PFAS groundwater contamination detected in July 2021 in CS-10 In-plume groundwater extraction wells 03EW2103, 03EW2105 and 03EW2107 located to the west of 03EW2111.

2. Page 11, Work Sheet #9, Project Scoping Session Participants Sheet:

The AFCEC indicates, **“Laboratory analysis of groundwater samples will provide the necessary data to meet the RI work plan data quality objectives for human health risk screening of contaminants of potential concern (COPCs) and concentrations will be compared to the EPA HAs for PFOS and PFOA, the EPA RSLs for PFOA, PFOS, and PFBS which are based on human exposure via drinking water, and the PFAS6 MMCL (Table 9-1).”** MassDEP recommends including the PFAS6 MMCL on Table 9-1.

3. Page 16, Worksheet #10, Conceptual Site Model and Remedial Investigation Approach, Section 10.1.1, ANG Motor Pool, RI Approach:

The AFCEC states, **“Additional groundwater vertical profile or soil borings will be completed as needed to adequately define the extent of contamination.”** MassDEP notes that Figure 3 *Proposed RI Sampling Locations-ANG Motor Pool* of the RI Work Plan indicates that CS-10 In-plume extraction well 03EW2111 is currently the westernmost sampling location in the Flight Line Area Operable Unit with detected PFAS6 concentrations above the MMCL. Please see Page-Specific Comment #1 of this letter regarding the need to evaluate the PFAS contamination detected in July 2021 in CS-10 In-plume extraction wells 03EW2103, 03EW2105 and 03EW2107 located to the west of 03EW2111.

4. Page 17, Worksheet #10, Conceptual Site Model and Remedial Investigation Approach, Section 10.1.2, Former Building 118-Runway 32, Site Location and Description:

The AFCEC states, **“The Former Building 118-Runway 32 site has also been expanded to the east to include PFAS contamination discovered near the FS-1 area. There are no known uses or**

documented releases of AFFF in the FS-1 area and groundwater and surface water data collected in the FS-1 area indicated that the source of PFAS contamination was not the same as the source for the legacy fuel-related contaminations in the FS-1 area. The FS-1 site is in the process of being closed for the legacy fuel-related contaminants (AFCEC 2021a).” Please refer to General Comments #1 and #2 of this letter regarding this characterization and the inclusion of PFAS contamination located in the FS-1 groundwater operable unit study area into the Former Building 118-Runway 32 site. MassDEP notes that there is ample and compelling evidence that the Eastern and Western Aircraft Turnaround areas, which are the source areas for the legacy fuel-related FS-1 groundwater contamination, are also the source of much, if not all, the PFAS groundwater contamination identified within the former footprint of the FS-1 ethylene dibromide (EDB) groundwater plume.

5. Page 18, Worksheet #10, Conceptual Site Model and Remedial Investigation Approach, Section 10.1.2, Former Building 118-Runway 32, Focused SI and Expanded SI Results:

The AFCEC indicates, **“The Focused SI field program at the Eastern and Western Aircraft Turnaround areas (former FS-1 source areas) included the sampling of two monitoring wells (36MW0002 and 36MW0007). Twenty-two additional monitoring wells, seven direct push groundwater vertical profile borings, the FS-1 treatment plant ports, one surface water location at a pond located near the FS-1 source area, and eight surface water and three sediment locations in the Quashnet River and bogs were sampled during the Expanded SI (Figure 4).”** MassDEP recommends that the FS-1 particle track provided on Figure 2 *Particle Tracks from Flight Line Area Operable Unit Sites* of the RI Work Plan also be included for reference on Figure 4 *Proposed RI Sampling Locations-Former Building 118-Runway 32*. MassDEP notes that drive points 36DP0300 and 36DP0302 on Figure 4 should be coded red due to PFAS6 detections above the MMCL in samples from these drive points and to match Figure 2 of the RI Work Plan.

6. Page 18, Worksheet #10, Conceptual Site Model and Remedial Investigation Approach, Section 10.1.2, Former Building 118-Runway 32, Focused SI and Expanded SI Results:

The AFCEC states, **“The highest PFOS+PFOA concentration (3.392 µg/L), highest PFOS concentration (3.3 µg/L), highest PFAS6 concentration (3.705 µg/L), and greatest vertical thickness of contamination (approximately 100 ft) was detected at downgradient off-base boring 36DP0306 (Figure 4).”** MassDEP notes that the vertical thickness of PFAS groundwater contamination at downgradient off-base boring 36DP0306 cannot be determined since a PFAS6 concentration of 0.592 µg/L was reported in the deepest sample (i.e., 166.5 feet below ground surface) obtained from this drive point, which exceeds the PFAS6 MMCL of 0.02 µg/L.

7. Page 20, Worksheet #10, Conceptual Site Model and Remedial Investigation Approach, Section 10.1.3, Former Fire Department Building 122, Focused SI and Expanded SI Results:

MassDEP notes that Table 10-1 of the RI Work Plan does not include results for the former Fire Department Building 122 site. Please include all results to date for the former Fire Department Building 122 site in Table 10-1.

Please incorporate this letter into the Administrative Record for the Flight Line Area Operable Unit. If you have any questions regarding this matter, please contact me at (508) 946-2871 or Elliott Jacobs at (508) 946-2786.

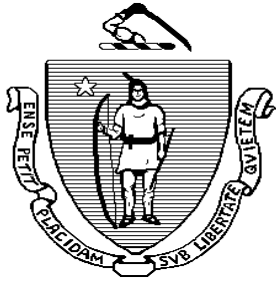
Sincerely,

A handwritten signature in black ink, appearing to read "L. Pinaud", enclosed within a circular stamp or seal.

Leonard J. Pinaud, Chief
Federal Site Management
Bureau of Waste Site Cleanup

P/EJ

Ec: Upper Cape Boards of Selectmen
Upper Cape Boards of Health
JBCC Cleanup Team
MassDEP Boston/Southeast Region



The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC UTILITIES

NOTICE OF FILING, PUBLIC HEARINGS, AND PROCEDURAL CONFERENCE

D.P.U. 22-22

January 28, 2022

Petition of NSTAR Electric Company, doing business as Eversource Energy, pursuant to G.L. c. 164, § 94 and 220 CMR 5.00, for Approval of a General Increase in Base Distribution Rates for Electric Service and a Performance-Based Ratemaking Plan.

On January 14, 2022, NSTAR Electric Company, doing business as Eversource Energy ("NSTAR Electric" or "Company"), filed a petition with the Department of Public Utilities ("Department") for an increase in electric base distribution rates. The Department has docketed this matter as D.P.U. 22-22 and has suspended the effective date of the proposed rate increase until December 1, 2022, to investigate the propriety of the Company's request. The Company represents that it will implement any change in rates beginning on January 1, 2023. The Company was last granted an increase in base distribution rates in NSTAR Electric Company/Western Massachusetts Electric Company, D.P.U. 17-05 (2017).

NSTAR Electric seeks to increase its rates to generate \$89,477,862 in additional revenues. The Company proposes to transfer costs recovered through certain reconciling mechanisms, which totaled \$58,184,827 in calendar year 2020, to base distribution rates, effective December 1, 2022. Based on this proposal, the proposed overall increase to distribution revenues is \$147,662,689, which represents a 13.2 percent increase in distribution revenue.

The Company also proposes to implement a performance-based ratemaking ("PBR") plan, which would allow NSTAR Electric to adjust its base distribution rates on an annual basis through the application of a revenue-cap formula. The Company proposes to implement the PBR plan for a term of ten years with certain conditions, including the filing of mid-term rate schedules to update the cost of service and to provide sales and capital expenditure forecasts through the end of the proposed PBR term. Within the proposed ten-year PBR plan, NSTAR Electric proposes to invest \$955.6 million to address its reliability-based electrification plans, which the Company states includes the installation of new substations, feeders, and distribution and transmission lines necessary to support customer demand over the long term. NSTAR Electric also proposes numerous individual performance metrics to gauge the Company's progress on its PBR plan commitments. As an alternative to the proposed ten-year PBR plan, NSTAR Electric proposes a PBR plan with a five-year term.

As part of its filing, NSTAR Electric also makes proposals regarding the implementation of advanced metering infrastructure and associated cost recovery, and the review and treatment of certain grid modernization, SMART program, and solar investments. Further, NSTAR Electric proposes certain changes to its storm fund mechanism, vegetation management program, and service quality reporting. The Company also makes proposals regarding the recovery of certain property taxes and prior period pension costs. Additionally, NSTAR Electric proposes post-test year adjustments to certain expense categories and to the Company's capital structure.

NSTAR Electric's filing also includes a number of rate design proposals, including refining existing tariff definitions and rate classes in the small and medium general service categories; introducing or expanding non-demand price options for small general service customers; eliminating unique, legacy rate designs involving declining blocks or seasonal pricing; eliminating or closing certain small, optional time-of-use rate classes; and revising the allocation and design of transmission rates, the allocation factors applicable to reconciling rates, and LED streetlight pricing.

The foregoing is not intended to be an exhaustive list of issues set forth in NSTAR Electric's filing. Additional information regarding the foregoing proposals, and all other proposals set forth by NSTAR Electric, can be found in the Company's filing.

NSTAR Electric states that if its petition is approved as requested, customers can expect the following bill impacts:

For residential non-heating customers:

- A typical residential non-heating customer using 530 kilowatt-hours ("kWh") of electricity per month in the Company's Eastern Massachusetts service area can expect a monthly bill increase of \$7.14 (5.2 percent);
- A typical residential non-heating customer using 549 kWh of electricity per month in the Company's Western Massachusetts service area can expect a monthly bill increase of \$7.29 (5.4 percent);
- A typical residential non-heating low-income customer using 480 kWh of electricity per month in the Company's Eastern Massachusetts service area can expect a monthly bill increase of \$4.32 (5.9 percent); and
- A typical residential non-heating low-income customer using 586 kWh of electricity per month in the Company's Western Massachusetts service area can expect a monthly bill increase of \$4.86 (5.5 percent).

For residential heating customers:

- A typical residential heating customer using 744 kWh of electricity per month in the Company's Eastern Massachusetts service area can expect a monthly bill increase of \$17.12 (9.5 percent);
- A typical residential heating customer using 805 kWh of electricity per month in the Company's Western Massachusetts service area can expect a monthly bill increase of \$18.29 (9.9 percent);
- A typical residential heating low-income customer using 843 kWh of electricity per month in the Company's Eastern Massachusetts service area can expect a monthly bill increase of \$12.16 (9.9 percent); and
- A typical residential heating low-income customer using 993 kWh of electricity per month in the Company's Western Massachusetts service area can expect a monthly bill increase of \$13.99 (10.2 percent).

For Commercial and Industrial Customers:

Commercial and industrial customers can expect bill impacts to vary depending on usage and rate class. Commercial and industrial customers should contact the Company, as indicated below, for specific bill impacts.

The Attorney General of the Commonwealth of Massachusetts ("Attorney General") has filed a notice of intervention in this matter pursuant to G.L. c. 12, § 11E(a). Further, pursuant to G.L. c. 12, § 11E(b), the Attorney General has filed a notice of retention of experts and consultants to assist in her investigation of the Company's filing and has requested Department approval to spend up to \$550,000 in this regard. Pursuant to G.L. c. 12, § 11E(b), the costs incurred by the Attorney General relative to her retention of experts and consultants may be recovered in the Company's rates.

Due to certain ongoing safety measures and precautions relating to in-person events as a result of the COVID-19 pandemic, the Department will conduct two virtual public hearings to receive comments on the Company's filing. The Department will conduct the two public hearings using Zoom videoconferencing on **March 29, 2022, beginning at 10:00 a.m. and March 31, 2022, beginning at 6:00 p.m.**

Attendees can join the March 29, 2022, hearing at 10:00 a.m. by entering the link, <https://us06web.zoom.us/j/81264695266>, and the March 31, 2022, hearing at 6:00 p.m. by entering the link, <https://us06web.zoom.us/j/86393406014>, from a computer, smartphone, or tablet. No prior software download is required. For audio only access to the hearings, attendees can dial in to either hearing at (646) 558-8656 or (301) 715-8592 (not toll free) and

then enter the Webinar ID: 812 6469 5266 for the March 29, 2022, hearing and Webinar ID: 863 9340 6014 for the March 31, 2022, hearing. If you anticipate providing comments via Zoom during either public hearing, please send an email by **March 28, 2022**, to marc.tassone@mass.gov with your name, email address, mailing address, and hearing date.

When using the Zoom platform, you will be able to listen to the hearing and provide comments in English, Spanish, Portuguese, or Mandarin. To access interpretation services through Zoom during the hearing, click on the “Interpretation” button on the menu at the bottom of the Zoom application screen and select your language (*i.e.*, English, Spanish, Portuguese, or Mandarin).

Alternately, any person interested in commenting on the Company’s filing may submit written comments to the Department no later than the close of business (5:00 p.m.) on **April 1, 2022**. To the extent a person or entity wishes to submit comments in accordance with this Notice, electronic submission, as detailed below, is sufficient.

Any person who desires to participate in the evidentiary phase of this proceeding shall file a petition for leave to intervene no later than 5:00 p.m. on **February 16, 2022**. A petition for leave to intervene must satisfy the timing and substantive requirements of 220 CMR 1.03. Receipt by the Department, not mailing, constitutes filing and determines whether a petition has been timely filed. A petition filed late may be disallowed as untimely, unless good cause is shown for waiver under 220 CMR 1.01(4). To be allowed, a petition under 220 CMR 1.03(1) must satisfy the standing requirements of G.L. c. 30A, § 10. All responses to petitions to intervene must be filed by the close of business (5:00 p.m.) on the second business day after the petition to intervene was filed. Any person who seeks to intervene in this matter and also desires to comment on the Attorney General’s notice of retention of experts and consultants must file the comments no later than the close of business (5:00 p.m.) on **February 16, 2022**.

The Department will conduct a virtual procedural conference in this matter on **March 1, 2022, at 2:00 p.m.** The Department will contact the parties under separate cover with instructions on how to attend the procedural conference.

All documents submitted to the Department pursuant to this Notice must be submitted in **pdf format** by e-mail attachment to dpu.efiling@mass.gov and marc.tassone@mass.gov. The text of the e-mail must specify: (1) the docket number of the proceeding (D.P.U. 22-22); (2) the name of the person or company submitting the filing; and (3) a brief descriptive title of the document. All documents submitted in electronic format will be posted on the Department’s website as soon as practicable at <https://eeaonline.eea.state.ma.us/DPU/Fileroom>. Importantly, all large files submitted must be broken down into electronic files that do not exceed 20 MB. A copy of any documents

submitted to the Department also should be emailed to the Company's attorney Cheryl M. Kimball, Esq. at ckimball@keeganwerlin.com.

Ordinarily, all parties would follow Sections B.1 and B.4 of the Department's Standard Ground Rules (D.P.U. 15-184-A, App. 1 (March 4, 2020)) regarding the filing of documents. However, at this time, all filings will be submitted to the Department only in electronic format, consistent with the Department's June 15, 2021, Memorandum addressing continued modified filing requirements. Until further notice, parties must retain the original paper version of the filing and the Department will later determine when the paper version must be filed with the Department Secretary.

At this time, a paper copy of the Company's filing or the Attorney General's notice of retention of experts and consultants will not be available for public viewing at the Company's offices, the Department's offices, or at any location (e.g., public library, town hall) within the Company's service area. All documents, pleadings and filings submitted to the Department or issued by the Department related to these proceedings will be available on the Department's website at <https://eeaonline.eea.state.ma.us/DPU/Fileroom/dockets/bynumber> (enter "22-22"). To request materials in accessible formats for people with disabilities (Braille, large print, electronic files, audio format), contact the Department's ADA coordinator at DPUADACoordinator@mass.gov.

Any person desiring further information regarding the Company's filing, or a paper copy of the filing, should contact Cheryl M. Kimball at (617) 951-1400 or ckimball@keeganwerlin.com. For further information regarding this notice, please contact Marc J. Tassone, Hearing Officer, at marc.tassone@mass.gov.