

Water Service #25322
SERVICE 34082 (FS)

NEW BEDFORD WATER WORKS
APPLICATION FOR SERVICE AND METER

NEW BEDFORD 8-5-2020 to 8-5-2021

I HEREBY ACKNOWLEDGE the receipt of a copy of the Regulations prescribed in the Ordinance of the City, for the use of Water, and I request that the water may be furnished through a

6" inch DI meter 23 + 21 Popes Island

P. 60. L 20

at such rates as may from time to time be established by the City.

I hereby agree to pay promptly the bill for the Service pipe laid down for my premises, and to pay all dues for water, and I agree to conform to the said Regulations and to all provisions of the Water Ordinances, until written notice is given by me or my agent to cut off the supply.

Business

Sean McGrath, 23 Popes Island, New Bedford, MA

** See attached for signature

02740

TELEPHONE 508-999-6266 ext. 520

Service laid Wc Smith & Son

Size and kind of pipe

6" DI

From Extend service + hydrant on 8" main off of Popes Island - US # 6 St.

Turned on

Meter Set

Reading

Location

Building rates

Paid

Cost of Service

Paid

31-727

\$ 900.00

check # 30817

1025322

TB - 19-3210

60
127

Water Service #25322
SERVICE 34082 (FS)

NEW BEDFORD WATER WORKS

APPLICATION FOR SERVICE AND METER

NEW BEDFORD

I HEREBY ACKNOWLEDGE the receipt of a copy of the Regulations prescribed in the Ordinance of the City, for the use of Water, and I request that the water may be furnished through a

6" inch DI meter 23 + 21 Popes Island

P.L.O. L 20

at such rates as may from time to time be established by the City.

I hereby agree to pay promptly the bill for the Service pipe laid down for my premises, and to pay all dues for water, and I agree to conform to the said Regulations and to all provisions of the Water Ordinances, until written notice is given by me or my agent to cut off the supply.

Business

Sean McGrath, 23 Popes Island, New Bedford, MA 02740

**

TELEPHONE 508-999-6266 ext. 520

Service laid W.C. Smith & Son Size and kind of pipe 6" DI

From Extend Service + Hydrant on 8" main off of Popes Island - US # 6 St.

Turned on Meter Set

Reading Location

Building rates Paid

Cost of Service \$ 900.00 Paid

31-727

FAIRHAVEN SHIPYARD COMPANIES, INC.

30817

VENDOR: CITY OF NEW BEDFORD

07/29/20

0000030817

OUR REF. NO.	YOUR INV. NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
	34082	07/29/20	900.00	900.00	0.00	900.00

\$*****900.00

30817

FAIRHAVEN SHIPYARD COMPANIES, INC.

50 FORT STREET
FAIRHAVEN, MA 02719

ROCKLAND TRUST COMPANY
FAIRHAVEN, MA 02719

53-447/113

CHECK NO.

CHECK DATE

VENDOR NO.

07/29/20

Nine Hundred Dollars and 00/100

CHECK AMOUNT

\$*****900.00

PAY TO THE ORDER OF
CITY OF NEW BEDFORD
PO BOX 844551
BOSTON, MA 02284-4551


AUTHORIZED SIGNATURE

Security features. Details on back.

⑈030817⑈ ⑈011304478⑈ 017118175⑈



Commonwealth of Massachusetts
CITY OF NEW BEDFORD

City Hall, Room 308, 133 William Street New Bedford, MA 02740 (508) 979-1540



No. B-19-3210

BUILDING PERMIT

4/9/2020

MSBC Sect. 110.14 - Any permit issued shall be deemed abandoned and invalid unless the work authorized by it shall have been commenced within six (6) months after its issuance.

FEE PAID: **\$7,697.00**

This certifies that John A. Carvalho

Contractor Lic. # 40935

ParcelID 60-20

owner/contractor has permission to: Alteration - Commercial

on: 23 POPES ISLAND

Providing that the person accepting this permit shall in every respect conform to the terms of application therefore on file in this office; to the provisions of the statute of the Commonwealth and to the by-laws of the City of New Bedford relating to the inspection, erection, enlarging, altering, raising, moving, repairing, or tearing down of a building.

Permit is issued subject to the following special requirements: (Restrictions)

CITY DEPARTMENT/COMMISSION COMMENTS

The following department/commission has expressed concern about the issuance of this permit. You are advised to contact that agency and resolve this matter.

Department/Commission: _____

BUILDING DEPARTMENT COMMENTS

Scope of Work

Renovation of existing building, former "Fairhaven Hardware", to function as a diesel engine repair shop with related product sales.

All work to be constructed as per plans submitted

Architect - Anson Courtright - No. 7214
781-630-2293
2courtright2comcast.net

YOUR AREA INSPECTOR IS: Matthew Silva

Tel. (508) 979-1540 Between 8:00am - 9:00am

**NOTICE: NOTIFY INSPECTOR 48 HOURS IN
ADVANCE OF APPLYING SHEATHING OR LATHING**

OCCUPANCY PERMIT REQUIRED BEFORE OCCUPANCY

No Building or Structure shall be used or occupied until the Certificate of Use and Occupancy shall have been issued by the Building Commissioner - MSBC, Sect. 120.1

This Card Must Be Displayed in a Conspicuous Place on the Premises and Not Torn Down or Removed Until Completion of Work

SUBJECT TO MASSACHUSETTS
STATE BUILDING CODE

Building Commissioner



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Jonathan L. Gulliver, Highway Administrator



5-2020-0299

PERMIT – NEW BEDFORD

Subject to all terms, conditions, and restrictions printed or written below, permission is hereby granted to **NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE**, Stephanie Crampton, 1105 Shawmut Avenue, New Bedford, MA 02746 to enter upon the State Highway in the City of **NEW BEDFORD** on Auto Route 6, locally known as Popes Island Road, for the purpose of performing water line improvements within the State Highway Layout.

This Permit is being granted to provide access to perform water main improvements on Route 6 to service an existing commercial building being renovated, located at #23 Popes Island Road. The work will include installing new valves, extending the existing 8" watermain, installing a 6" ductile iron water service line for a fire suppression system, removing an existing hydrant and installing a new hydrant.

An opening will be made over the existing 8" water main on the northerly side of the roadway to install a 8" x 8" tee, an 8" gate valve, approximately 30 linear feet of 8" water main, an 8" x 8" x 6" anchor & tee valve, remove an existing hydrant and install a new hydrant and assembly. The new water service line for the fire suppression system will be tied into the extended water main on the northerly side of the roadway, at approximate Station 33+00. The water service will proceed northerly within an open cut to the property and out of the State Highway Layout, as shown on the approved plan.

The Grantee must use the uploaded TMP (Figure 10) for lane closure, from MassDOT Work Zone Safety 2017 Edition. Crash truck in shoulder not needed as shoulder is too narrow.

Please be advised that this section of roadway was recently resurfaced by MassDOT, Highway Division and therefore falls under a five (5) year moratorium on roadway openings. Therefore, the Permit is being granted with the following conditions.

THE PAVEMENT REPAIR WILL REQUIRE MILLING AND OVERLAYING WITH 2" (INCHES) OF SURFACE COURSE FROM EXISTING CURB LINE TO THE CENTERLINE OF THE ROADWAY, A MINIMUM OF 10' (FT.) ON EITHER SIDE OF THE TRENCH. THE PERMANENT REPAIR OF THE TRENCH, INCLUDING THE MILLING AND OVERLAYING, MUST BE DONE AS DESCRIBED IN THIS PERMIT.

FINAL PAVEMENT REPAIR JOINTS MUST BE SQUARE AND PERPENDICULAR TO THE DIRECTION OF TRAVEL.

The permanent trench repair shall be done as indicated below. Please note that the final trench repair must include a minimum of 7" (inches) of Hot Mix Asphalt or match the existing thickness of the Hot Mix Asphalt for the roadway, whichever is larger.

1. 8" (inches) of gravel plus 4" (inches) Dense Graded Crushed Stone (DGCS) over it.
2. 3" (inch) Intermediate or Base Course
3. 2" (inch) Intermediate Course
4. 2" (inch) Surface Course
5. Asphalt emulsion tack coat (RS-1H) must be placed between each course.
6. All vertical edges must be coated with hot poured joint sealer.
7. All damaged pavement markings shall be restriped in kind.

All pavement compositions must meet MassDOT's latest Standards and Specifications for Highways and Bridges.

All work is to be done as described herein and as shown on the plan(s) entitled "Proposed Mods. Site Plan – Fairhaven Shipyard, 23 Popes Island Road" as drafted by FOTH Infrastructure & Environment, LLC, 15 Creek Road, Marion, MA 02738.

THIS PERMIT IS BEING ISSUED FOR WORK WITHIN THE STATE HIGHWAY LAOUT (S.H.L.O.) ONLY. AUTHORIZATION TO PERFORM ASSOCIATED WORK OUTSIDE OF S.H.L.O. MUST BE GRANTED BY IMPACTED PROPERTY OWNERS.

Until or unless Executive Orders and conditions related to the COVID-19 crisis change or are otherwise amended:

The Grantee should exercise all required COVID-19 guidelines, including providing, and ensuring workers are wearing, Personal Protection Equipment (PPE), where required, while practicing social distancing and other protective measures found in the order.

www.mass.gov/covid-19-guidelines-and-procedures-for-all-construction-sites-and-workers-at-all-public-work

Only those permits with work or activities meeting the current guidelines of "Reopening Massachusetts" will be allowed to work. Work schedules must be approved prior to commencing any work or activities.

<https://www.mass.gov/info-details/reopening-massachusetts>

Prior to any work being done within the State Highway Layout, the Grantee(s) must upload/submit a Work Request in State Highway Access Permit System (SHAPS) to obtain approval for the proposed work schedule. Said form to be completed/uploaded can be found under the Forms and Sample Submission Documents tab and is entitled "Work Request Form D1 - D5". One (1) of these forms must be uploaded by the close of business every Thursday for the entire duration of the project in order to request approval for the following week's work schedule.

The Grantee(s) must adhere to 520 CMR 14.00: Excavation and Trench Safety as promulgated by the Department of Public Safety in conjunction with the Division of Occupational Safety pursuant to authority granted by M.G.L. c. 82a §1. If not already approved, a Trench Permit Rider must be completed and uploaded to SHAPS before any trench work is performed under this Permit.

The Grantee(s) shall be responsible for all litter and debris generated from their property during the work as described herein and/or from all prospective residents, visitors or patrons of all existing or proposed facilities mentioned herein. This responsibility shall remain in effect for the entirety of all current or future owners of said property. The Grantee(s) shall perform routine inspections and upkeep within the State Highway Layout. If conditions warrant an individual to enter in or within the proximity of a travelled way, the Grantee(s) shall assume all liability and responsibility for the removal of all litter and debris or the hiring of an appropriate party to perform such duties. Significant work within the travelled way may require a police detail. In consideration to all abutters, the Grantee(s) must take notice to the drifting of debris and the removal thereof. If it is found that this requirement is not being fulfilled in a satisfactory manner, MassDOT, Highway Division may decide to clean the area at the Grantee's expense.

THE BACKFILLING METHOD FOR WORK WITHIN THE HARDENED SURFACE WILL BE AS FOLLOWS:

The pavement shall be saw cut in neat, true lines along the length of the trench. The trench shall then be excavated, the utility work performed, and backfilled with Controlled Density Fill (CDF – M4.08.0, Type 2E Flowable and Excavatable). The CDF shall flow under and around the pipe or conduit, providing uniform support without leaving voids and placed to a minimum depth of 19" (inches) below the finished grade of the existing roadway surface. The 19" (inches) of permanent patch shall consist of a minimum of 7" (inches) of Hot Mix Asphalt over 4" (inches) of Dense Graded Crushed Stone (DGCS) over 8" (inches) of Gravel.

The trench shall then be SECURELY PLATED AND RAMPED WITH HOT MIX ASPHALT overnight to allow the Controlled Density Fill to cure. The plates may need to be recessed to the finished grade of the roadway as directed by the Engineer. **Special attention must be given during the winter months.** Unless circumstances are beyond control due to an emergency, **PLATES SHALL NOT BE LEFT OVER THE WEEKEND.**

All abutting vertical edges of the existing pavement shall then be coated with Bitumen for Tack Coat RS-1 Emulsion immediately prior to the placement of the permanent Hot Mix Asphalt (HMA) patch.

The permanent Hot Mix Asphalt (HMA) patch shall consist of 7" (inches) of Hot Mix Asphalt or match the existing pavement thickness, whichever is larger. The 7" (inches) must consist of 3" (inches) of Hot Mix Asphalt Base Course, 2" (inches) of Hot Mix Asphalt Binder Course and 2" (inches) of Hot Mix Asphalt Modified Top Course.

The infra-red method must be used in conjunction with the permanent patch (for small openings) to create a smooth driving surface consistent with the existing roadway surface. The District Office must be notified two business days prior to starting this work, so that an inspector may be assigned.

All disturbed traffic pavement markings shall be replaced in kind.

The Grantee(s) shall be responsible for the maintenance and repair of this portion of the roadway and shall perform routine inspections for deficiencies such as settling, heaving, cracks, etc. This responsibility shall remain in effect until the resurfacing of this particular portion of roadway is performed by MassDOT, Highway Division.

If it becomes necessary, MassDOT, Highway Division, shall assign an inspector on any project and the inspector will be paid under a reimbursable account by the Grantee(s).

THE BACKFILLING METHOD FOR WORK WITHIN THE SHOULDER AREA WILL BE AS FOLLOWS:

Backfill for conduit or pipe shall be selected from excavation free from large lumps, clods or rock placed between the pipe and the walls of the trench in layers not exceeding 6" (inches) in depth and thoroughly compacted. Each layer, if dry, shall be moistened and then compacted by rolling or by tamping with mechanical rammers. Special care should be taken to thoroughly compact the fill under the haunches of the pipe or conduit. This method of filling and compacting shall be continued until the material is level with the top of the pipe or conduit. The remainder of the filling shall consist of suitable material placed in successive layers not more than 6-inch in depth. Each layer shall be thoroughly compacted as specified above.

If the work is to be performed within the soft shoulder, the excavation might be performed within the immediate area along the edge of road and may diminish the integrity of the hardened surface. Therefore, if the excavation directly abuts or tapers under the hardened surface of the roadway, the opening must be backfilled with Controlled Density Fill (CDF) to prevent undermining and preserve the roadway.

The Grantee(s) shall be responsible for the shoulder and roadway areas affected by the proposed work to be performed as described herein and shall routinely inspect said areas for deficiencies such as settling, heaving, cracks etc. This responsibility shall remain until work is performed at the subject location by MassDOT, Highway Division.

SIDEWALK RECONSTRUCTION

The sidewalk shall match the existing conditions and shall be reconstructed with 4" dense graded crushed stone with a 3" hot mix asphalt top course laid in 2 lifts of 1.75" and 1.25", respectively, or 4" of cement concrete. If the cement concrete sidewalk crosses a driveway, the driveway apron shall be constructed with 6" cement concrete.

The reconstructed sidewalk must be compacted and graded in such a manner that no ponding of water occurs within the Highway Layout. If such ponding results, the Grantee(s) shall be responsible for its correction.

Sidewalks and concrete wheelchair ramps shall be in conformance with the Architectural Access Board Regulations within all sidewalk areas located at drives or roadway intersections that may be included in this project.

The Grantee(s) shall be responsible for the maintenance and repair of the portion of the proposed sidewalk located within the State Highway Layout and shall routinely inspect the sidewalk for deficiencies such as settling, heaving, cracks etc. This responsibility shall remain in effect until MassDOT, Highway Division, or the Town reconstructs the sidewalk.

Upon completion of the work, the Grantee or Agent must upload into SHAPS, a letter from the local building inspector or governing authority, indicating the installed ramps and sidewalks are in conformance with AAB and ADA regulations.

UTILITY WORK IN DRIVE

Whereas the proposed work is to be performed within the apron of an existing drive, the Grantee(s) shall restore the drive with an eight-inch gravel base that has been machine compacted then paved with 4" (inches) of hot mix asphalt laid in two (2) courses consisting of a 2-1/2" (inch) intermediate course and a 1-1/2" (inch) surface course. Any hot mix asphalt berm or granite edging that exists in the driveway area must be sawcut and removed. The new pavement must butt into and not overlap the edge of the hardened surface of the roadway.

All abutting edges of the existing pavement shall be coated with hot poured joint sealer immediately prior to the placement of the permanent bituminous concrete.

The Grantee(s) shall be responsible for this portion of the drive and shall routinely inspect it for deficiencies such as settling, heaving, cracks etc. Such deficiencies shall be corrected at the cost of the Grantee(s) and to the satisfaction of the Engineer.

TIME RESTRICTIONS AND NOTIFICATIONS

Special attention shall be given when performing work that will impact MassDOT, Highway Division, snow and ice operations.

No work shall be performed in the hardened surface of the roadway between November 15th and April 1st of any year without prior written approval from the District Highway Director.

No pavement shall be laid between November 15th and April 1st of any year without prior written approval from the District Highway Director.

No work shall be performed on this project on Saturdays, Sundays, and Holidays, or on the Friday after a Thursday Holiday. Work is also restricted on the day before and the day after a long Holiday weekend without prior written approval by the District Highway Director.

No equipment, trucks, etc., shall occupy any part of the travelled way except between the hours of **9:00 a.m. and 3:00 p.m., Monday - Friday**. In no case will operations exceed the specified hours. This includes the placement of traffic control devices, equipment, or anything that restricts the flow of traffic through the construction zone. Any change in work hours will require prior written approval by the District Highway Director. The 12-minute rule will remain in effect for the duration of the permit.

All other work, off the pavement on this project is restricted to a normal 8-hour day, Monday - Friday, with the prime Contractor and all subcontractors working on the same shift. Any change in work hours will require prior written approval by the District Highway Director.

GENERAL TRAFFIC MANAGEMENT AND SAFETY REQUIREMENTS

If required by MassDOT, Highway Division District 5, variable message boards (VMBs) shall be utilized as part of the approved traffic management plan under this Permit which must be properly secured with regards to hacking and unauthorized tampering prevention. The Grantee(s) shall adhere to all appropriate security specifications and take all necessary precautions to mitigate the risk of the boards being hacked. All VMBs shall be stored in a secured area and shall have a lockable, weatherproof enclosure for the operator interface, removable local keyboards which shall be removed whenever possible, and a password protected controller with local administrative passwords changed on a regular basis.

When any portion of the roadway will be blocked with equipment to facilitate the proposed work, the Grantee(s) will be required to adhere to the attached Traffic Management Plan (TMP) or submit a proposed TMP to MassDOT, Highway Division, to be reviewed and approved by the District Traffic Maintenance Engineer prior to working within or impacting the roadway. The plan must include information relating to proper signing, traffic control device placement and police details.

It is imperative to maintain two-way traffic at all times and these operations are managed so that motorists travel "delay" is minimized. At any time during the operation when a traffic delay of over twelve (12) minutes occurs and the situation is worsening, the Resident Engineer, Contractor, or Police Detail will begin to suspend operations.

Continuously increasing "delays" of over twelve (12) minutes are not to be permitted.

If traffic must be "stopped", the duration shall not be more than five (5) minutes.

Uniformed State/Local Police Officer(s) and their official vehicle(s) may be necessary to provide protection for those installing and removing all temporary traffic warning signs and devices and to perform all traffic management as required.

The Grantee(s) will monitor the flow of traffic during peak traffic volumes and if necessary, shall suspend all operations. Work will resume at the discretion of the Police detail officer and/or to the satisfaction of the supervising MassDOT, Highway Division, Engineer.

In the event of inclement weather or dense fog, which lessens the visibility of advance warning signs, vehicles and workers, the Grantee(s) will suspend all operations so as not to interfere with the safety of the motoring public and the operations of work. In the event of snow or icing conditions, all vehicles and equipment must be removed from the roadway and/or shoulder area so as not to interfere with Snow and Ice Operations.

The Grantee(s) shall provide safe and ready means of access and egress to all public and private roads and drives 24 hours per day. Every effort must be made as not to interfere with or inconvenience all abutters throughout the duration of this project.

Signs and traffic control devices are required for advance notice of the work and within the work area.

The Grantee(s) or Applicant will supply all required signs and traffic warning devices and shall be in accordance with the Massachusetts Manual on Uniform Traffic Control Devices. The number and location of all signs and devices shall be as deemed necessary by the Engineer for the safe and efficient performance of the work and the safety of the travelling public.

All warning devices shall be subject to removal, replacement, and/or repositioning by the applicant as often as deemed necessary by the Engineer.

Cones or non-reflectorized warning devices shall not be left in operating position on the highway when the daytime operations have ceased. If it becomes necessary for MassDOT, Highway Division, to remove the construction warning devices or their appurtenances from the project due to negligence by the applicant, all costs for this work will be charged to the Grantee(s).

All vehicles, except passenger's cars, which are assigned to the permitted project and which operate on the site at speeds of 25 MPH or less, shall have an official SLOW-MOVING VEHICLE emblem displayed. All vehicles and equipment on this project must be equipped with back-up alarms.

All personnel who are working on the travelled way or breakdown lanes shall wear approved safety vests and hard hats.

GENERAL CONDITIONS AND APPROVED PROCEDURES

The Grantee(s) must contact the "Dig Safe" Center at 811 to obtain a "Dig Safe" number prior to starting the proposed excavation for the purpose of identifying the location of underground utilities.

IF THE PROPOSED WORK FALLS WITHIN THE AREA OF A SIGNALIZED INTERSECTION, the Grantee(s) must contact the District Traffic Maintenance Engineer at (508) 884-4208 at least two (2) weeks prior to the commencement of said work to locate the existing traffic signal conduit/detectors and to coordinate this work so as not to disturb the traffic signals. The Grantee(s) shall provide the District Traffic Maintenance Engineer with the Permit number, the approximate Stations where the work will take place, and the limits of the work. The Grantee(s) will be responsible for marking the limits of the work in the field so that MassDOT, Highway Division, can mark the locations of all existing traffic signal conduit/detectors within those limits. The Grantee(s) will be responsible to repair/replace all damaged items and will be billed for any cost incurred to restore normal operation to MassDOT, Highway Division, signal equipment to the satisfaction of the Engineer.

Unless otherwise stated, no hardened surface of the State Highway may be disturbed.

When an opening in the roadway is required and permitted herein, the opening must be as small as possible to perform the proposed work.

If the integrity of any existing sidewalks, catch basins, manholes or any other underground structures or equipment is compromised, the Grantee(s) will reconstruct and/or replace all items according to MassDOT, Highway Division, Standards at the cost of the Grantee(s) and to the satisfaction of the Engineer.

The Grantee(s) must not disturb or remove any MassDOT, Highway Division, bound(s) (MHB) associated with this project. If so disturbed or missing, the bound(s) must be reset/replaced by a Registered Land Surveyor. All procedures and materials must be in compliance with Massachusetts Design and Construction Standards. A copy of the paid bill must be submitted to this office upon completion of said work.

All traffic safety lines if disturbed shall be replaced in kind.

All disturbed areas within the State Highway Layout must be graded, loamed, and seeded to the Engineer's satisfaction.

All debris and litter remaining from the proposed construction shall be removed by the Grantee(s) and the area left clean

daily.

DRAINAGE IMPACTS

Note that existing drainage lines are not located/marked out by Dig-Safe, therefore, care should be taken during excavation operations to ensure that drainage components located within the limit(s) of work are not impacted during work to be performed under this Permit. The Grantee may request drainage plans in anticipation of the work with the Highway Maintenance Section at 508-884-4220. Be advised that if additional information is needed, the Grantee will require performing survey work of the drainage structures to identify the location of the drainage components.

If the work under this Permit includes the installation or relocation of drainage structures or work alters the existing State drainage system, the Grantee shall be responsible to clean the drainage system, including any other structure/drainage line/outfall within the project limits to ensure the drainage system works adequately.

The Grantee(s) shall be responsible for any damage that occurs to said drainage components as a result of the work.

DRAINAGE AND UTILITY CASTINGS

"The use of risers to adjust drainage and utility structures will not be allowed. All adjustment work done to existing or new drainage structures shall conform to Section 220 of MassDOT, Highway Division, Standard Specifications and according to Plates 201.3.0 and 2029.0 of MassDOT, Highway Division, Construction Standards."

ENVIRONMENTAL LIABILITY AND COMPLIANCE

The Grantee(s) assumes all risk associated with any environmental condition within the subject property and shall be solely responsible for all costs associated with evaluating, assessing, and remediating, in accordance with all applicable laws, any environmental contamination (1) discovered during Grantee's work or activities under this Permit to the extent such evaluation, assessment or remediation is required for Grantee's work, or (2) resulting from the Grantee's work or activities under this Permit. The Grantee(s) shall notify MassDOT, Highway Division, of any such assessment and remediation activities.

The Grantee(s) is hereby held solely responsible for obtaining and maintaining any and all environmental compliance permits required by local, state, and federal laws and regulations when regular or emergency work is proposed within, or in close proximity to, any wetland area. These environmental compliance requirements include, but are not limited to, a Negative Determination of Applicability or Order of Conditions from the local Conservation Commission, a Water Quality Certificate from the Department of Environmental Protection, and a Programmatic General Permit from the U.S. Army Corps of Engineers. The Grantee(s) shall forward to MassDOT, Highway Division, a copy of each such environmental compliance permit.

CLOSING CONDITIONS

ALL OF SAID WORK SHALL COMPLY WITH THE TERMS AND CONDITIONS HEREIN, AND MUST BE DONE AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER

All work done under this contract shall be in conformance with the Massachusetts Highway Department "Standard Specifications for Highways and Bridges" 2020 Edition and any subsequent "Supplemental Specifications". All construction shall conform to the June 2017 edition of the Massachusetts Department of Transportation, Highway Division "Construction Standard Details (English Edition)"; the latest Manual on Uniform Traffic Control Devices with Massachusetts Amendments; the latest edition to the following: the 1996 Construction and Traffic Standard Details (as related to Traffic Standard details only); the 1990 Standard Drawings for Traffic Signs and Supports; the 1968 Standard Drawings for Traffic Signals and Highway Lighting; the latest edition of American Standard for Nursery Stock; the Plans and these Special Provisions. These publications can be access from the SHAPS dashboard of from the following link: <https://www.mass.gov/lists/miscellaneous-publications#miscellaneous-publications->

The Grantee(s) shall indemnify and save harmless the Commonwealth and MassDOT, Highway Division, against all suits, claims or liability of every name and nature arising at the time out of or in consequence of the acts of the Grantee(s) in the performance of the work covered by this Permit and/or failure to comply with the terms and conditions of this Permit whether by themselves or their employees or subcontractors.

It is noted that the Grantee(s) will be responsible for future corrective actions resulting from defective work under the subject permit. Any damage to roadway and/or shoulder as a result of the permitted work is the Grantee's responsibility and shall be repaired at his/her expense.

THE GRANTEE(S) SHALL SUBMIT A COMPLETION OF WORK FORM, BY REQUESTING A SIGN-OFF USING THE ACTION LINK IN THE SHAPS DASHBOARD, WHEN THE WORK REQUIRED UNDER THIS PERMIT HAS BEEN COMPLETED IN ORDER FOR A FINAL INSPECTION TO BE PERFORMED BY MASSDOT, HIGHWAY DIVISION. THE LIABILITY ASSUMED UNDER THIS PERMIT WILL CONTINUE UNTIL THE WORK HAS BEEN SIGNED OFF AS COMPLETE.

A COPY OF THIS PERMIT MUST BE ON THE JOB SITE AT ALL TIMES FOR INSPECTION. FAILURE TO HAVE THIS PERMIT AVAILABLE AT THE SITE WILL RESULT IN SUSPENSION OF THE RIGHTS GRANTED BY THE PERMIT.

"FOLLOWING CONDITIONS APPLY TO PERMITS"

Conditions Relating Particularly to Permits for the Laying of Pipes, Conduits, etc.

After any pipes, conduits, drains or other underground structures are laid, or any excavation is made in the roadway, the trenches or openings shall be properly backfilled with suitable material, the back-filling shall be thoroughly tamped, and the surface of the road over said structures shall be left even with the adjoining ground. If the work is done in cold weather no frozen material shall be used for backfilling.

Wherever the hardened surface of the roadway, gutters, or any part of the surface of the highway is disturbed it shall be replaced in as good condition as before it was disturbed, and if new materials are required they shall correspond with those already in place on the road.

Where service pipes are to cross the highway the connections shall be made without disturbing the hardened surface of the roadway, by driving the pipes under the roadway, or the service pipes shall be carried under and across the road in a larger pipe, unless otherwise ordered by the Director.

The Grantee shall maintain the surface of the roadway over said structures as long as MassDOT may deem necessary, until all signs of the trenches shall have been eliminated.

Conditions Relating Particularly to Permits for the Erection of Poles, Wires, and Overhead Structures, and the Cutting and Trimming of Trees

In the erection of pole lines, unless otherwise herein provided, no trees located within the limits of the State Highway shall be cut or trimmed. No guy wires shall be attached to trees without a special permit from MassDOT, and in no event shall they be so attached as to girdle the trees or in any way interfere with their growth. The wires shall be so protected at all time and places that they shall not interfere with or injure the trees either inside or outside the location of the highway.

Where the cutting or trimming of trees is authorized by this permit, only such cutting and trimming shall be done as may be designated by the Director.

In the construction or reconstruction of pole lines no guy wires shall be erected nearer to the surface of the ground than six feet; provided, however, that the owners of such lines may maintain such guy wires at a lower elevation than six feet from the ground until such time as MassDOT shall notify them to remove said wires or to the elevation first stated.

In order to protect the trees through which any wires may pass, said wires shall be insulated and such other tree guards used as may be directed by the Director.

Where high tension wires are erected under this permit, they shall be so located that, under conditions of maximum severity as regards a coating of ice or snow, there shall be a space of at least eight feet between such high-tension wires and other wires.

The Grantee shall, within sixty days from the date of completion of the work, file in the office of MassDOT a plan showing the location of each pole erected in accordance with the permit, said plan to be of such size and in such form as MassDOT may direct.

General and Additional Conditions

Whenever the word "MassDOT" is used herein it shall mean the Massachusetts Department of Transportation of the Commonwealth of Massachusetts.

Whenever the word "Director" is used herein it shall mean the District Highway Director or other authorized representative of MassDOT.

Whenever the word "Grantee" is used herein it shall mean the person or persons, corporation or municipality to whom this permit is granted, or their legal representatives.

During the progress of the work all structures underground and above ground shall be properly protected from damage or injury; such barriers shall be erected and maintained as may be necessary for the protection of the traveling public; the same shall be properly lighted at night; and the Grantee shall be responsible for the damages to persons or property due to or resulting from any work done under this permit.

Except as herein authorized, no excavation shall be made, or obstacle placed within the limits of the State highways in such a manner as to interfere unnecessarily with the travel over said road.

If any grading of sidewalk work done under this permit interferes with the drainage of the State highway in any way, such catch basins and outlets shall be constructed as may be necessary, in the opinion of the Director, to take proper care of such drainage.

Wherever the hardened surface of the roadway is disturbed and the Director may consider it necessary or advisable to do so, said surface will be restored by the employees of MassDOT, at such time as MassDOT may direct, and the expense thereof shall be borne by the Grantee, who shall purchase and deliver on the road the materials necessary for said work if and when directed by the Director. All payments to the supplier and to laborers, inspectors, etc., employed by MassDOT for or on account of the work herein contemplated shall be made by said Grantee forthwith on receipt of written orders, pay rolls, or vouchers approved by MassDOT.

IF THE GRANTEE DOES ANY WORK CONTRARY TO THE ORDERS OF THE DIRECTOR, AND, AFTER DUE NOTICE, FAILS TO CORRECT SUCH WORK OR TO REMOVE STRUCTURES OR MATERIALS ORDERED TO BE REMOVED, OR FAILS TO COMPLETE WITHIN THE SPECIFIED TIME THE WORK AUTHORIZED BY TIDS PERMIT, MASSDOT MAY, WITH OR WITHOUT NOTICE, CORRECT OR COMPLETE SUCH WORK IN WHOLE OR IN PART, OR REMOVE SUCH STRUCTURES OR MATERIALS, AND THE GRANTEE SHALL REIMBURSE MASSDOT FOR ANY EXPENSE INCURRED IN CORRECTING AND/OR COMPLETING THE WORK OR REMOVING THE STRUCTURES OR MATERIALS.

ALL OF THE WORK HEREIN CONTEMPLATED SHALL BE DONE UNDER THE SUPERVISION AND TO THE SATISFACTION OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, AND THE ENTIRE EXPENSE THEREOF SHALL BE BORNE BY THE GRANTEE.

On the completion of the work herein contemplated all rubbish and debris shall be removed and the roadway and roadsides shall be left neat and presentable and satisfactory to the Director.

MassDOT hereby reserves the right to order the change of location or the removal of any structure or structures authorized by this permit at any time, said change or removal to be made by and at the expense of the Grantee or its successors or assigns.

This permit may be modified or revoked at any time by MassDOT without rendering said MassDOT or the Commonwealth of Massachusetts liable in any way.

The Grantee shall pay the salary, subsistence and travel expenses of any inspector appointed by MassDOT to supervise the work herein contemplated.

5-2020-0299

All of the above conditions shall be applicable to the work herein authorized, unless the same are inconsistent with the conditions on the face of the permit, in which case the conditions written or printed on the face of the permit shall apply.

The acceptance of this permit or the doing of any work thereunder shall constitute an agreement by the Grantee to comply with all of the conditions and restrictions printed or written herein.



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Jonathan L. Gulliver, Highway Administrator



5-2020-0299

Approved Signature

Mary-Joe Perry by R.F.
District Highway Director

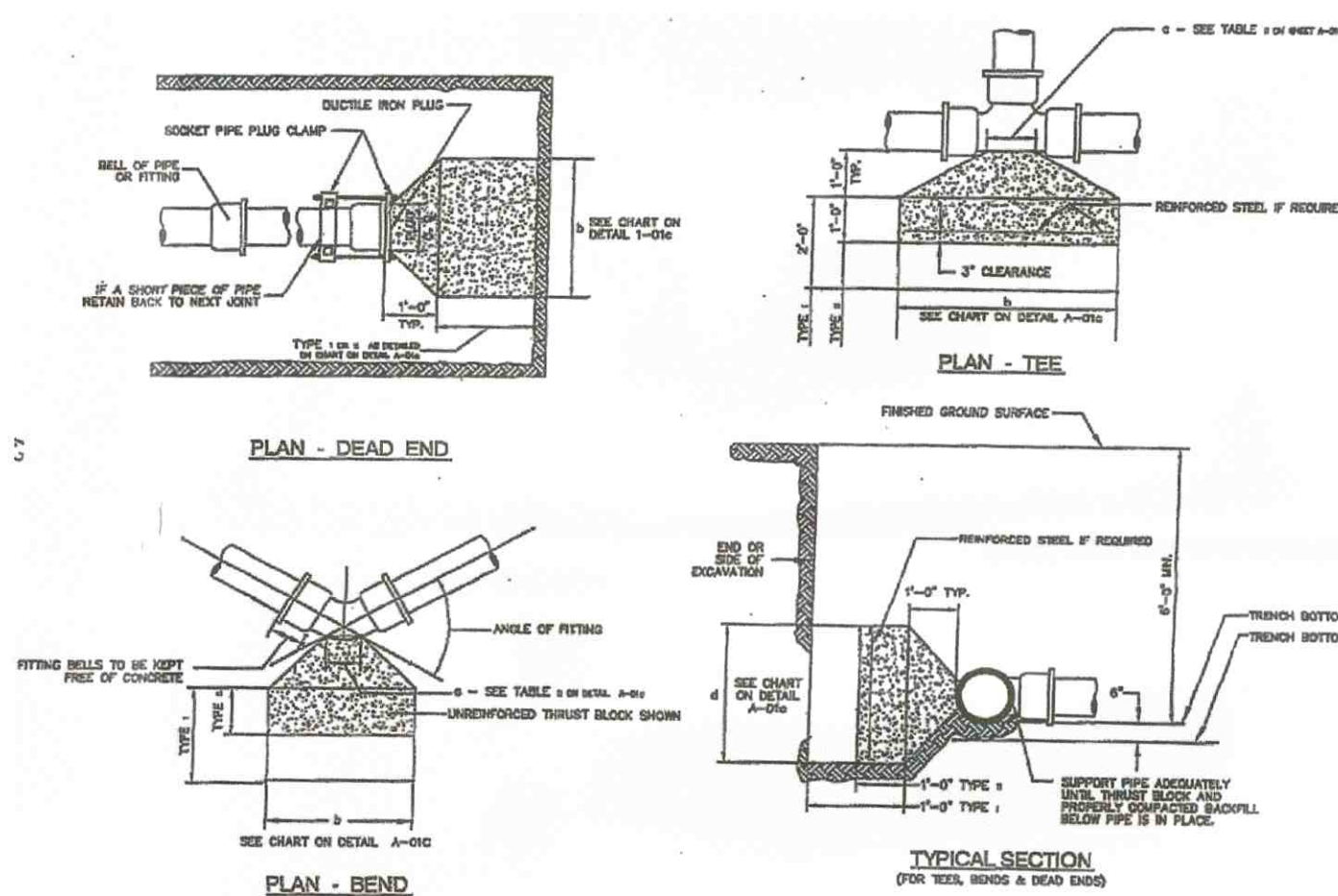
Date of Issue: July 27, 2020

Permit Expiration: Tuesday, July 27, 2021

WATER MAIN CONSTRUCTION NOTES:

1. ALL WATER MAIN INSTALLATION WORK SHALL MEET CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE (DPI) CONSTRUCTION STANDARDS AND SPECIFICATIONS REQUIREMENTS FOR ITEMS RELATING TO WATER MAIN INSTALLATION, WATER SERVICES INSTALLATION, BACKFILLING, AND COMPACTING.
2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO PERFORM ALL TRENCHING, FOR PIPES AND APPURTENANCES, INCLUDING DRAINAGES, FILLING, BACKFILLING, DISPOSAL OF SURPLUS MATERIAL AND RESTORATION OF TRENCHED SURFACES.
2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED TO INSTALL, DISINFECT, AND TEST DUCTILE IRON PIPE AND FITTINGS.
3. DUCTILE IRON PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C900 EXCEPT WHERE OTHER MODIFIED BY DPI STANDARDS.
4. SEE DPI STANDARDS FOR HYDRANT ASSEMBLY INSTALLATION INFORMATION.
5. ALL DUCTILE IRON PIPE SHALL HAVE A MINIMUM OF 4' OF COVER UNLESS OTHERWISE NOTED.
6. ALL NEW WATER LINES SHALL BE INSTALLED A MINIMUM OF 10' FROM ANY EXISTING SEWER LINE.
7. THE CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL THRUST BLOCKS AT ALL BENDS, TEES, AND HYDRANTS AS SHOWN ON STANDARD DETAILS. SEE DPI STANDARDS FOR THRUST BLOCK INSTALLATION DETAILS.
8. ALL EXCAVATION AND TRENCHING SHALL COMPLY WITH OSHA SAFETY STANDARDS AND STATE REQUIREMENTS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MEASUREMENTS PRIOR TO CONSTRUCTION.
10. EXACT LOCATION OF SERVICE CONNECTIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
11. THE VERIFICATION OF UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
12. PRIOR TO BACKFILLING OF THE TRENCHES, INSPECTIONS OF UTILITY LINES AND MAINS SHALL BE PERFORMED BY THE PROPER AGENCIES.
13. CONTRACTOR SHALL PROVIDE AN AS-BUILT PLAN OF ANY FIELD CHANGES MADE TO THE PLAN FOR COORDINATION WITH THE PROJECT ENGINEER AND SUBMITTAL TO DPI.
14. CONTRACTOR SHALL COVER AND GRADE ALL OPEN TRENCHES AT THE END OF EACH DAYS WORK TO ALLOW LOCAL TRAFFIC TO PASS.

© COPYRIGHT 2018, FOTH INFRASTRUCTURE & ENVIRONMENT, LLC.

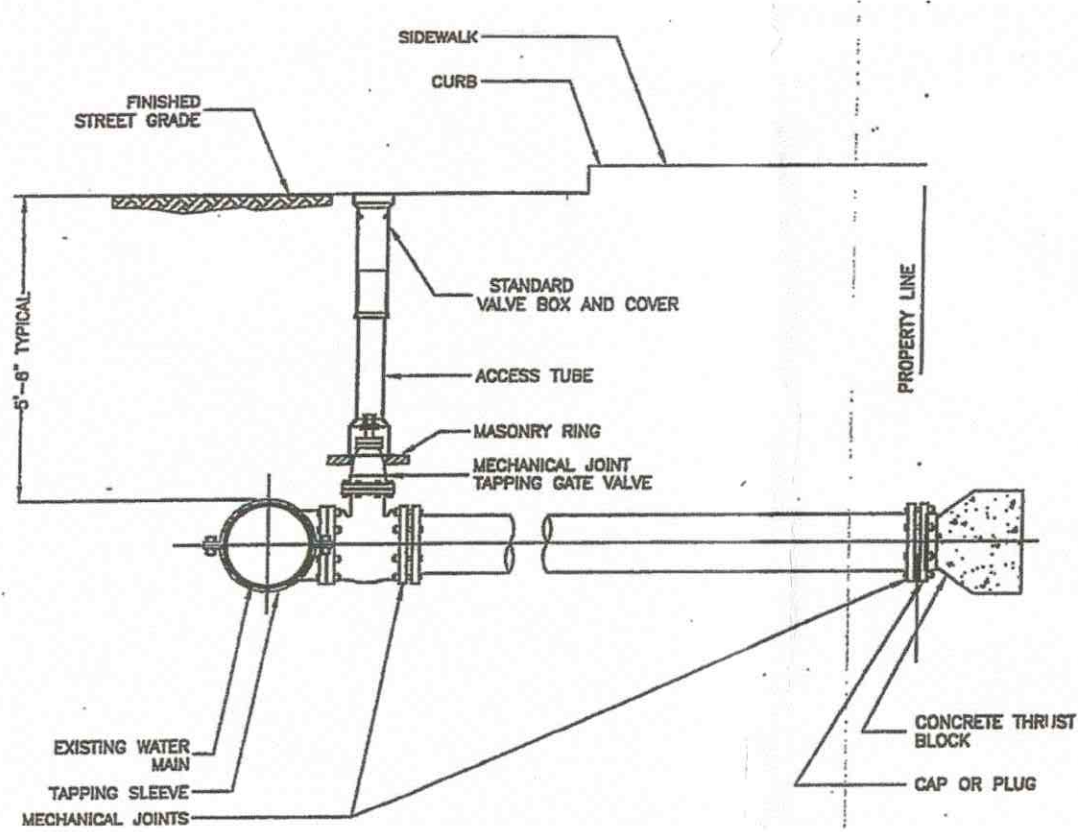
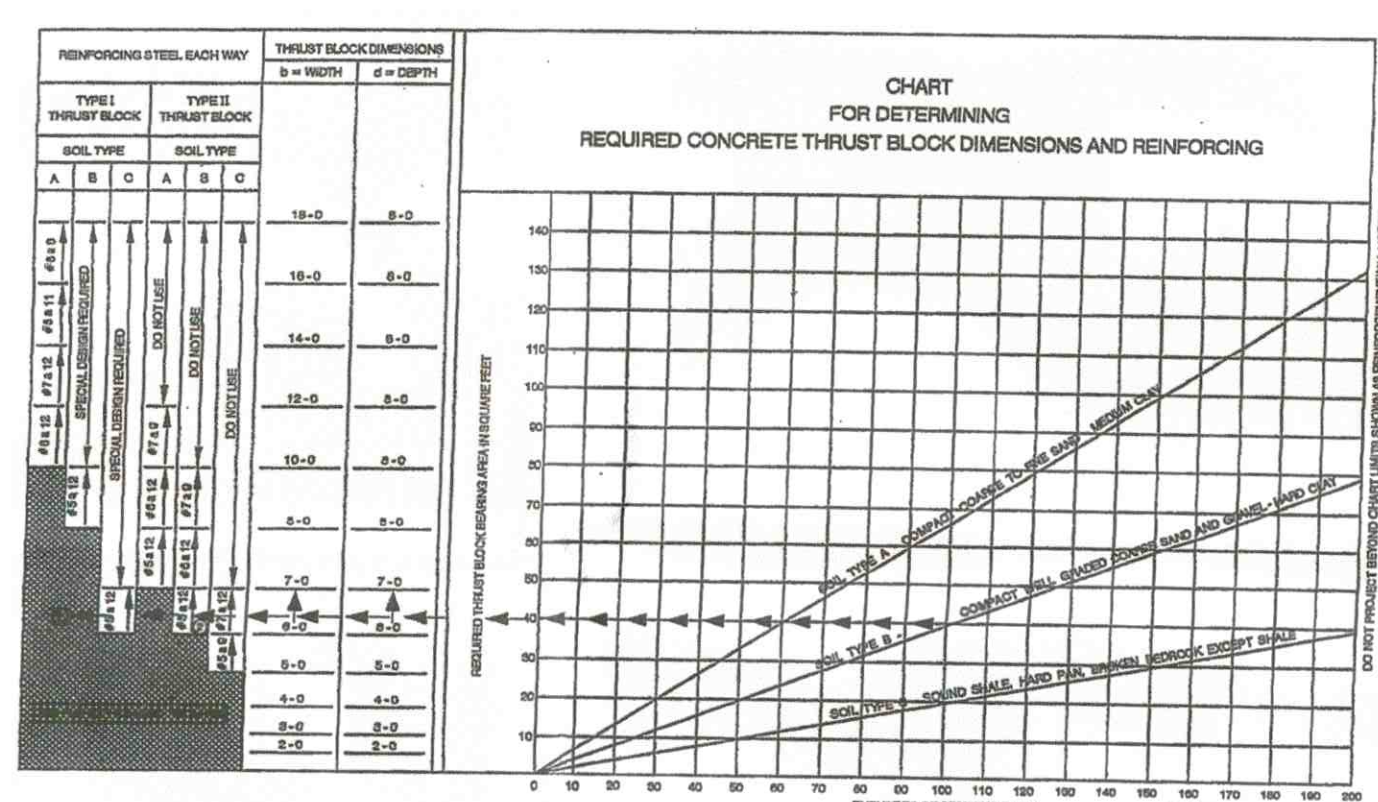


THRUST BLOCK DETAILS
SCALE: N.T.S.

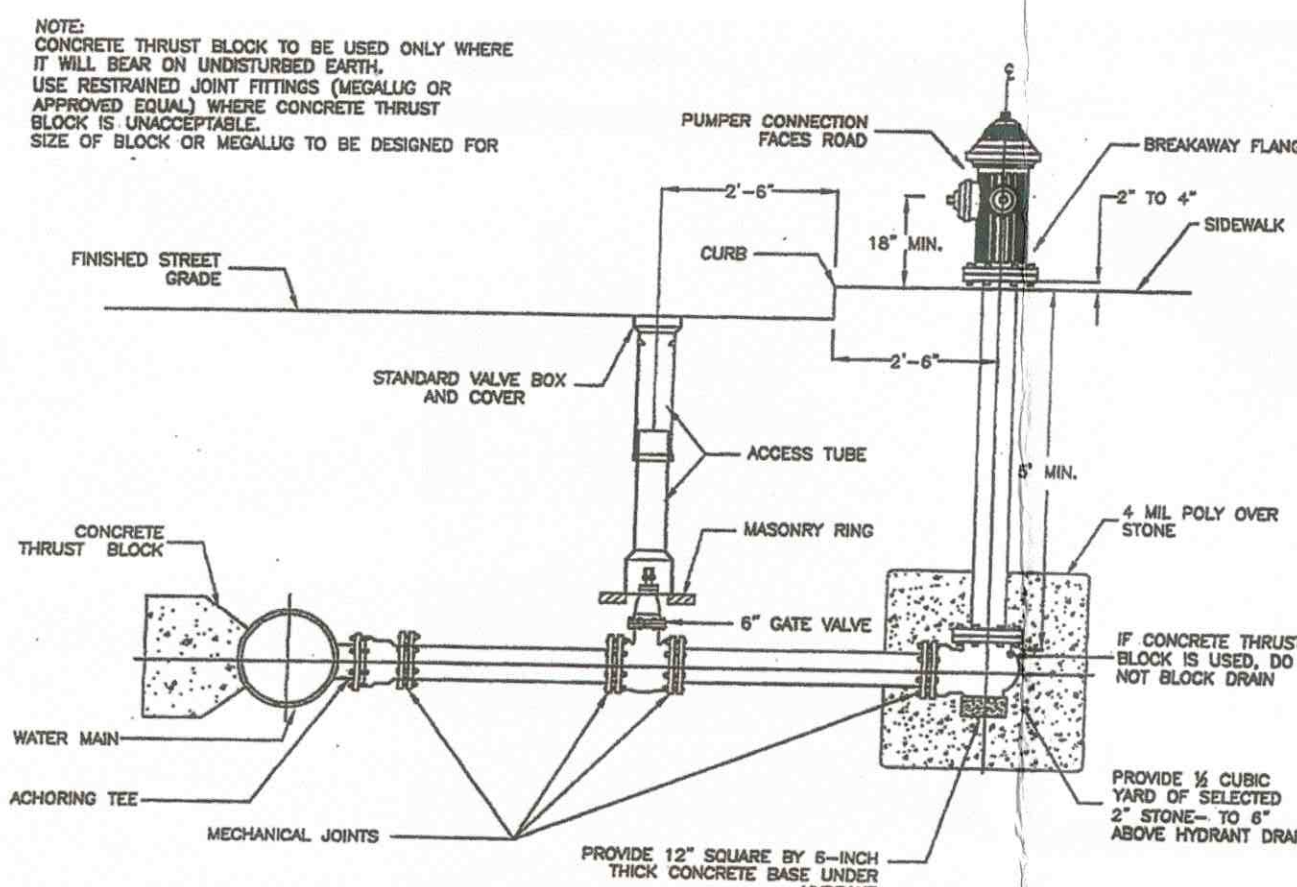
PIPE DIAMETER (INCHES)	8	10	12	14	16	18	20	24	30	36	42
LOAD (KIPS)	5.0	10.0	15.0	20.0	25.0	30.0	35.0	45.0	60.0	80.0	105.0
THRUST (KIPS)	7.5	15.0	22.5	30.0	37.5	45.0	52.5	67.5	90.0	120.0	157.5
THRUST (KIPS)	10.0	20.0	30.0	40.0	50.0	60.0	70.0	90.0	120.0	160.0	210.0

PIPE DIAMETER (INCHES)	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"
W (FEET)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0

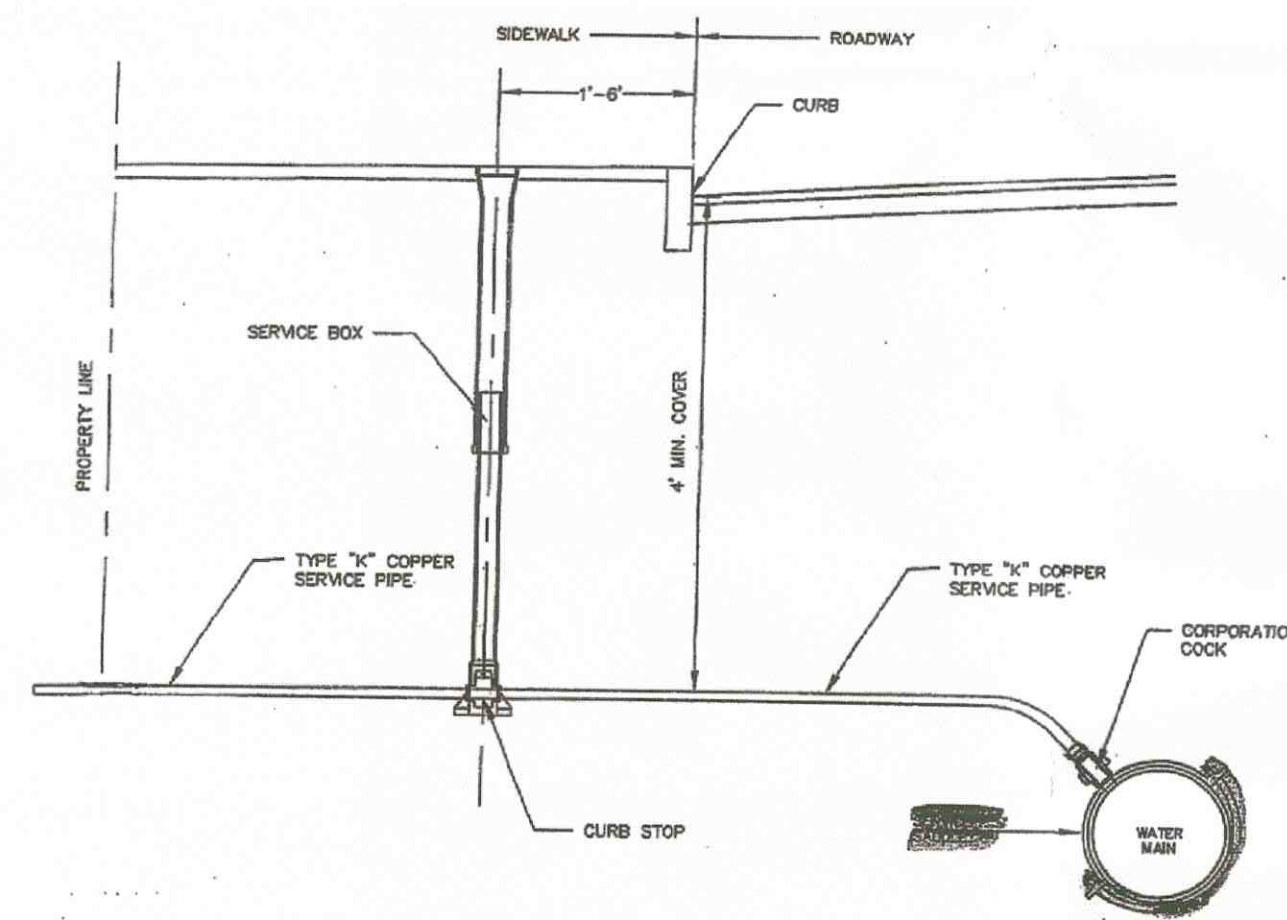
PIPE SIZE	NUMBER OF RODS PER TIE	DIAMETER OF RODS
8"	4	1/2"
10"	4	3/4"
12"	4	1"
14"	4	1 1/4"
16"	4	1 1/2"
18"	4	1 3/4"
20"	4	2"



TAPPING SLEEVE & GATE VALVE DETAILS
SCALE: N.T.S.



HYDRANT ASSEMBLY DETAIL
SCALE: N.T.S.



CURB STOP DETAIL
SCALE: N.T.S.



THIS DOCUMENT MAY NOT BE USED WITHOUT THE WRITTEN APPROVAL OF FOTH INFRASTRUCTURE & ENVIRONMENT, LLC. IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. ANY CHANGES, ADDITIONS, DELETIONS, OR OMISSIONS INDICATED IN THIS DOCUMENT ARE THE SOLE RESPONSIBILITY OF THE USER. INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS.

**FAIRHAVEN SHIPYARD
23 POPES ISLAND
PROPOSED EXTERIOR MODS.
23 POPES ISLAND**

REVISIONS	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PROPOSED MODS. SITE PLAN

PROJECT NO:
SHEET NUMBER
C-100

