

TOWN OF NORTH ATTLEBOROUGH LISENSED DRAINLAYER INFORMATION PACKAGE



TOWN OF NORTH ATTLEBOROUGH

**North Attleborough
Board of Public Works**

49 Whiting Street
North Attleborough, MA 02760

BOARD OF PUBLIC WORKS

LICENSED DRAINLAYER INFORMATION PACKAGE (rev. 05/11)

This informational Package is intended to provide a general overview of the Departments policies and procedures, and does not cover all requirement of the *Town of North Attleborough's Board of Public Works Standard Specifications and Details* manual, which is available through the Department of Public Works Administration Division. These rules are subject to changes.

Please note that no street openings will be allowed, between November 15 and April 1 during the winter season (these dates may change at the discretion of the Highway Superintendent). Any disconnections by the Owner/Contractor during the winter season will be accomplished on the subject private property and will be considered temporary until the street can be opened for permanent connection as required.

NOTE: At all stages of the construction of the water and sewer service connections and repairs must be inspected by the Water and Sewer Construction Inspector for acceptance. Call the Water and Sewer Division offices, Mon. – Fri., 7:00am – 3:00pm at (508) 695-7790, 48 hours in advance to schedule an appointment.

GENERAL:

All contractors performing work on water and sewer infrastructure, both on private property or within the public way, are required to be licensed by the Board of Public Works, and bonded and insured for all proposed work.

Permits for Water, Sewer and Roadways shall be fully executed prior to Public Works sign-off on any building permit. Applications shall comply with the rules and regulations of the *North Attleborough Board of Public Works Standard Specifications and Details*

Contractors shall be responsible for maintaining trenches for a period of one year following completion of the work. Contractors working in the public way shall be required to obtain any street opening and trench permits, as needed. Contractors shall notify DIGSAFE and shall be responsible for maintaining all markouts.

Contractors shall be responsible for the repair of any damaged utilities that have been properly marked. All work within 3 feet of a marked utility shall be done by hand.

Backfill material for trenches shall be subject to the approval of the Highway Superintendent. Flowable fill shall be required, as necessary.

Failure for contractors to fully comply with the Town's rules, regulations and policies may result in immediate revocation of their drainlayer's license, and/or taking of any bonds.

NEW CONSTRUCTION- WATER

All water services to new homes shall be shown on an engineered building plan (to scale) to be included in the permit application, subject to approval of the W&S Inspector. Water services shall, in general, run perpendicular to the main, unless otherwise approved by the W&S Inspector.

Materials;

- All water service piping will be made of Type “K” copper.
- All water service fittings/connectors, such as; corporations curb stops, rods, & couplings will be per Town of North Attleborough Board of Public Works Standard Specifications.
- Curb stop access box shall be per Town of North Attleborough Board of Public Works Standard Specifications.
- The curb stop and its access box will be installed, generally, outside of the edge of road and sidewalk, at the property line. If the *CURB STOP BOX* is installed in a sidewalk or driveway, paved or gravel, a standard *STREET BOX (Buffalo box)* will be installed around the curb box for protection from traffic and damage.
- Water services with a length of over 100’ from the curb box shall require a meter pit .
- For new services that are larger than 1” the Owner/Contractor shall provide a new meter(s), as manufactured by NEPTUNE TECHNOLOGY GROUP INC. of Tallassee, AL 36078, USA, and shall be responsible for purchasing a Datamatic Firefly Automatic Meter Reading Transmitter through the W&S Administration office. Meters 1” or under shall be supplied by the Town, at the cost of the owner.

Construction Requirements;

During the construction process the W&S Inspector will visit the site periodically, and as requested for final inspections. If the contractor requests inspections and it is found that the work is not ready for inspection, the W&S Inspector will reschedule at the cost of the contractor, as applicable;

- At no time does the Town supply free water,
- The Owner/Contractor may coordinate with the W&S Inspector to install a temporary meter with vacuum breaker to provide construction water, please note that the Owner/Contractor is responsible for the temporary service connection and parts to prevent damage from weather or other conditions at the site,
- The W&S Inspector will record initial readings at the temporary meter,
- The Owner/Contractor will notify the W&S Inspector when the new permanent water connection is to be made;
- New services require a new tap at the main. If an existing service from the main is copper, the Owner/Contractor may tie onto the service at the curb stop, with approval of the W&S Inspector.
- Abandoned services will be shut-off and capped at the main. The Owner/Contractor will repair corporations leaking at the main.
- A direct tap, up to 1 ½” diameter, may be made in a main at least 6” diameter. For services larger than 1 ½” diameter a saddle must be used to tap the main.
- Water service lines shall be set in a trench with a minimum of 6” (six inches) of fine to medium sand all around and to cover by 6”. **THE W&S INSPECTOR MUST INSPECT THIS WORK.**
- All new service material shall be a minimum of 5’ (five feet) below finished grade from the main to the building foundation. **THE W&S INSPECTOR MUST INSPECT THIS WORK.**

- New water service lines shall be laid as straight as possible (90-degrees from main, typical) between the curb stop and the building foundation with as few unions as possible. No soldered joints will be allowed between the curb stop and the building foundation, only compression fittings are allowed. **THE W&S INSPECTOR MUST INSPECT THIS WORK.**
- The new line will enter the house thru the foundation at a minimum of 12" above finished floor, unless no basement is provided,
- New water service lines will enter the structure no closer than 6' (six feet) from the proposed location of the electrical service box,
- If the new copper pipe rises vertically thru the floor the pipe will be protected from damage to 8" above the finished floor,
- Water lines shall be laid 10ft. (ten feet) away from sanitary sewer lines where practicable. **THE W&S INSPECTOR MUST INSPECT THIS WORK.**
- No services will be permitted to be laid thru or under garage slabs.
- The Owner/Contractor will provide at least 36" (inches) of new copper pipe from the basement entry point for access by the Water Division workers.
- W&S Inspector must visually inspect the work of the Owner/Contractor for proper connections, proper installation of new pipe and correction of entry conditions prior to backfilling.

Service Meters;

- The Owner/Contractor will coordinate with the W&S Administration Office to set up appointments for installation of new permanent service meters upon approval of *all* work by the W&S Inspector
- No permanent water meters shall be installed prior to a final inspection by the W&S Inspector (or his designee) to ensure that the property is ready for a meter, including raising curb box and meter pit to final grade, loam and seed, and proper fittings within the building to accept the new meter(s) ; Any punch list items that cannot be completed to seasonal weather, will be allowed to be completed at a later date, only if requested by written letter and held under the contractor's bond.
- Irrigation lines, prior to the primary meter, must be metered prior to supply of water.
- The Owner/Contractor will pay for all costs of new meters per the policies and specifications of the Town of North Attleborough,
- W&S personnel will install, by appointment, meters and record the pertinent information to begin the billing process. If the plumbing is not ready for a meter to be installed, the appointment will be rescheduled at the cost of the owner.

NEW CONSTRUCTION_SEWER

All sewer services to new homes shall be shown on an engineered building plan (to scale), showing plan and profile to be included in the permit application, subject to approval of the W&S Inspector. Sewer Services shall, generally, run perpendicular the main with a minimum number of bends. Clean-outs may be required, as needed.

Materials;

- New sanitary service pipe from a residence to the main shall be 6" diameter SDR 35 PVC with O-ring, "Push On" connection. The use of FERNCO couplings is approved as needed. **THE W&S INSPECTORS MUST INSPECT THIS WORK PRIOR TO BACKFILL.**

- The new sewer pipe shall be bedded with a minimum of 6" (six inches) of ¾" crushed stone. After the pipe is laid the trench will be filled with ¾" crushed stone to 6" above the top of the pipe.

Construction Requirements;

- Sump pumps, perimeter drains and any other ground water accumulation systems will not be allowed to enter the sanitary sewer system.
- Sewer line layouts shall be reviewed and approved by the W&S INSPECTOR .
- New sanitary lines will be laid with a straight slope (minimum ¼ inch/foot) to the main, with neither high spots nor low spots.
- Sanitary sewer lines shall be laid 10' (ten feet) away from water lines where practicable. **THE W&S INSPECTORS MUST INSPECT THIS WORK.**
- If work is backfilled *prior* to the requisite inspection, the work will not be accepted until fully exposed.
- Sewer service connections shall not be made into existing manholes. Connections shall be made using a mechanical tap and wye saddle. If mechanical taps are not possible, a section of the existing main shall be replaced with a pvc factory wye. The main line of the replacement section shall be the same size as the existing main and shall be fitted with appropriate couplings (Ferncos).
- At no time, shall groundwater be allowed to enter the sewer system. All groundwater shall be removed from the trench.
- Sewer chimneys, if required, shall be constructed of pvc and shall be properly bedded.

DEMOLITION (Tear-downs)

Cut & Cap existing services;

- Owner/Contractor must call for appointment, 48 hours in advance to coordinate with the W&S Inspector,
- Existing water connections are to be shut off and disconnected at the corporation stop on the water main. The Owner/Contractor will repair corporations leaking at the main, and replace with a new corporation stop.
- Require a visual inspection and sign off by W&S Inspector,
- W&S Inspector to record existing meter readings and have the meter removed,
- W&S Inspector report meter out of service to W&S Administration office
- Require horizontal ties to permanent structures to be recorded.

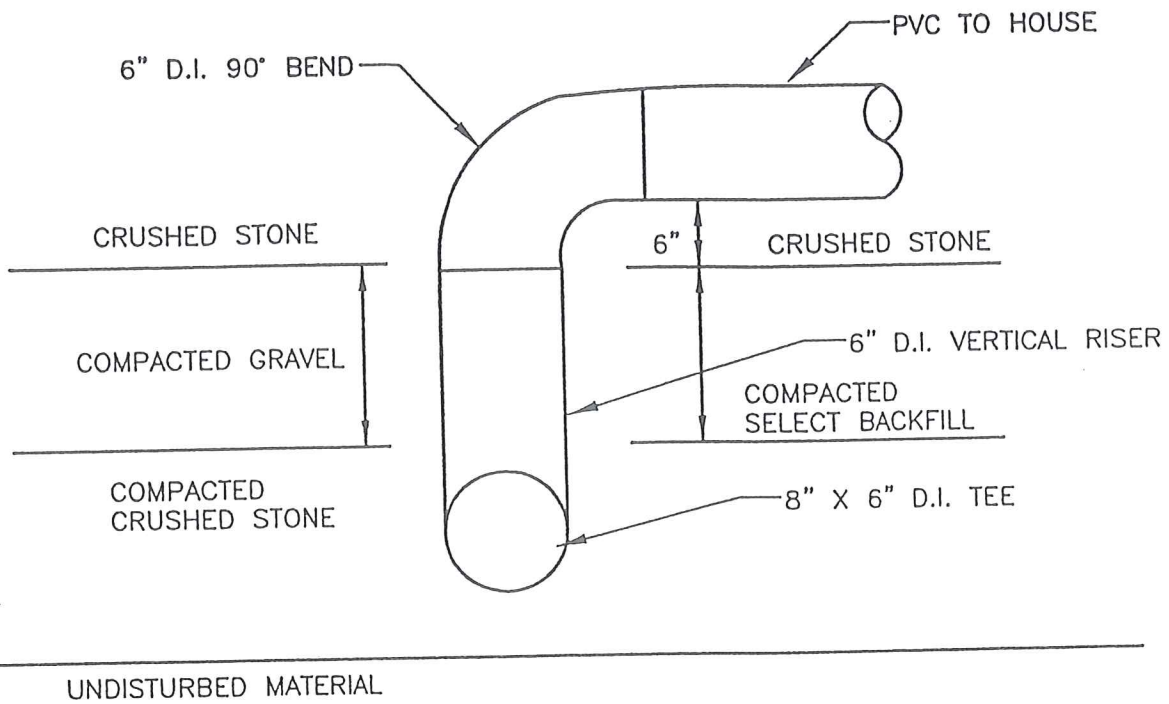
REPAIR OF EXISTING SERVICES (WATER AND SEWER)

All applications for water or sewer service repairs shall include a sketch of the proposed work, including all pertinent information (see attached sample). An existing plot plan may be also be used.

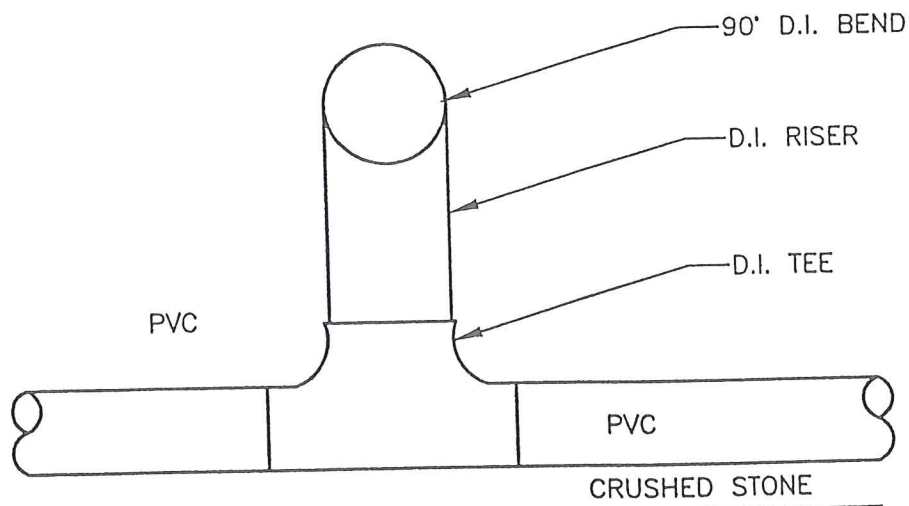
- Contractor shall obtain all necessary permits to perform work prior to excavation, unless an approved emergency by the W&S Inspector. If an emergency repair is allowed, the contractor shall be responsible for obtaining all required permits and paying all fees on the next business day.
- Permit fees shall be based on submitted sketch. If the work materially differs from the proposed plan, the contractor will be responsible for any additional permit costs, and, if re-application, if necessary.

- If the curb box or curb stop is not functioning properly, the contractor shall notify the Department immediately and shall leave the trench open for the Water Division to replace.
- If the contractor damages any of the Town's infrastructure, they shall be responsible for the repair or replacement.
- All materials shall be per the Board of Public Works Standard Specifications.
- For any work performed within the Town's Right of Way, the contractor shall be responsible for obtaining all required permits and shall be responsible for the maintenance of any trench for a period of one year from acceptance of the work.

If you have any questions please contact the Water and Sewer Division offices, Mon. – Fri., 7:00am – 3:00pm at (508) 695-7790.



UNDISTURBED MATERIAL



UNDISTURBED MATERIAL

TOWN OF NORTH ATTLEBOROUGH
 BOARD OF PUBLIC WORKS
 STANDARD SPECIFICATIONS AND
 DETAILS

Department of Public Works
 240 Smith Street North Attleboro, MA 02760



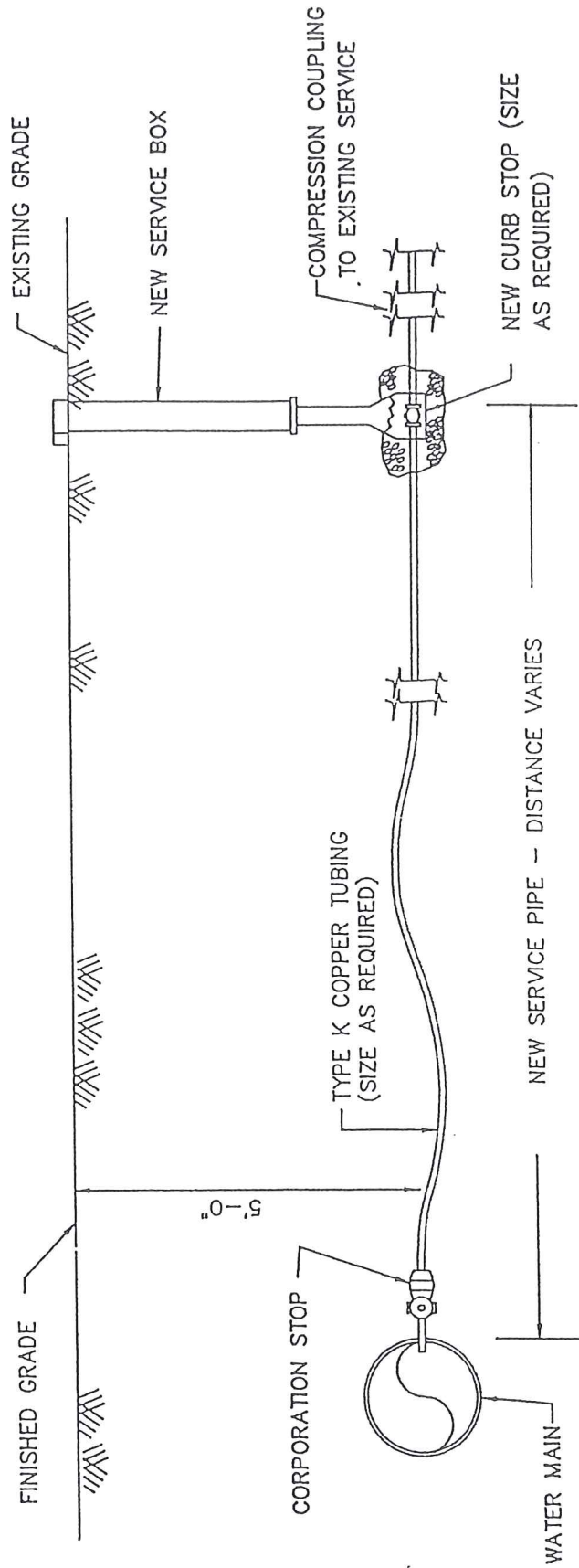
SEWER CHIMNEY 5' AND OVER

DRAWN BY
 BETA GROUP, INC.

REVISION DATE
 SEPTMEBER, 2002

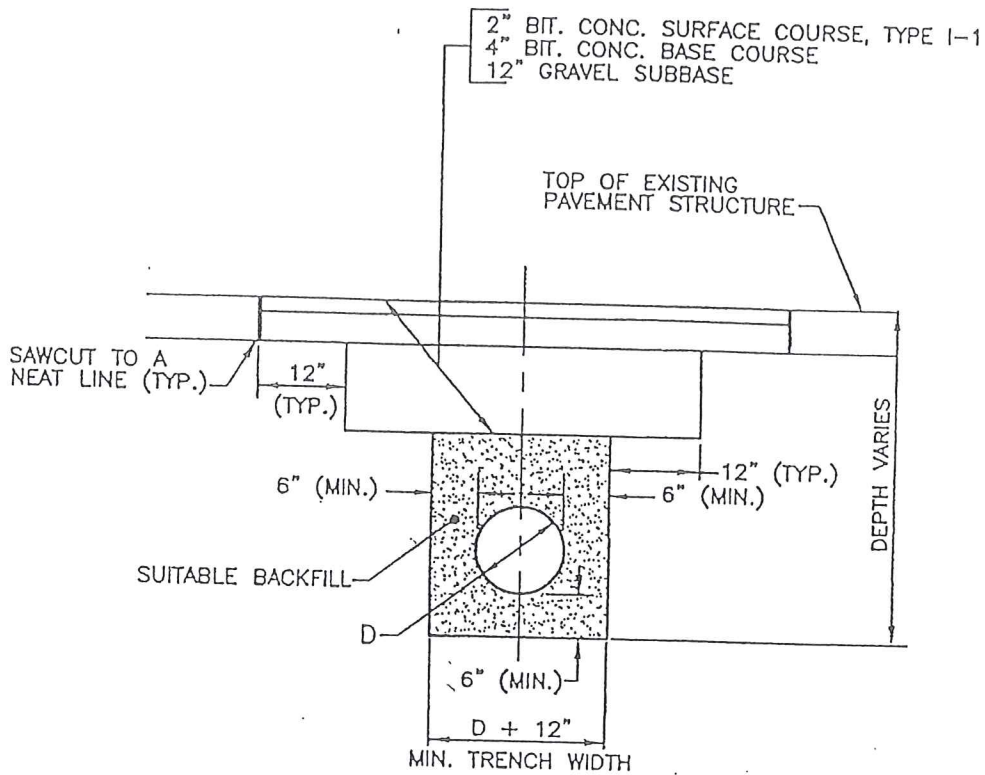
SCALE: NONE

DWG No.
 D-2-3

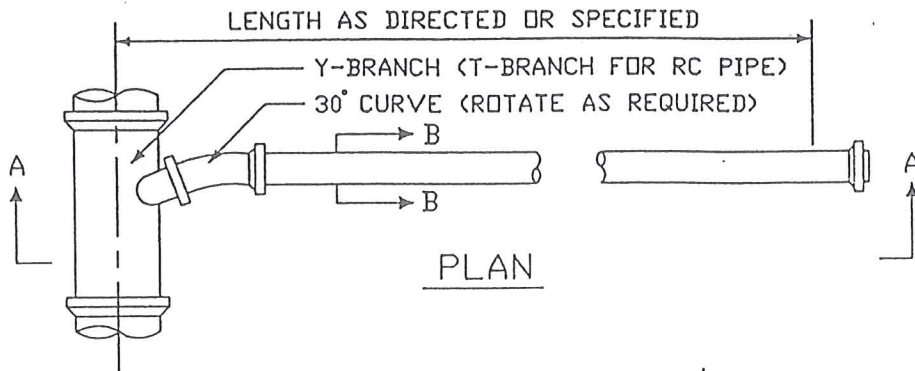


CAL HOUSE SERVICE CONNECTION
 TOWN OF
 NORTH ATTLEBOROUGH

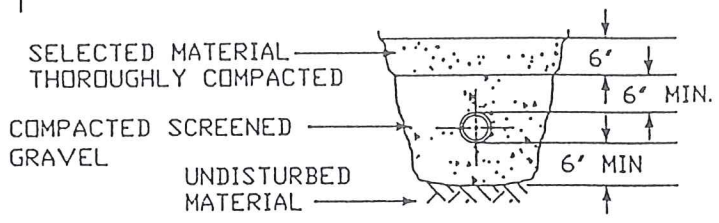
REV. NO.	BY	DATE
DATE: JULY 2002	SCALE: NONE	D-7



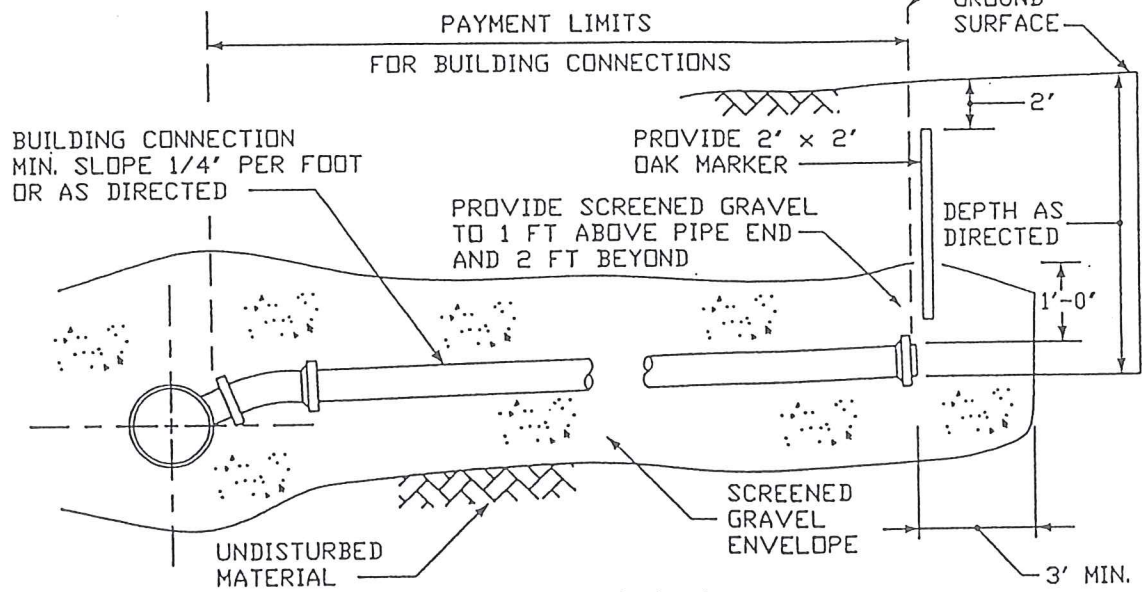
**PERMANENT TRENCH PATCH DETAIL
(NTS)**



PLAN



SECTION B-B



SECTION A-A

TOWN OF NORTH ATTLEBOROUGH
 BOARD OF PUBLIC WORKS
 STANDARD SPECIFICATIONS AND
 DETAILS
 Department of Public Works
 240 Smith Street North Attleboro, MA 02760



BUILDING CONNECTION
 (FOR PVC PIPE)

DRAWN BY
 BETA Engineering

REVISION DATE
 October, 1999

SCALE: NONE

DWG No.
 D-2-1

NEW WATER INSTALLATION FEES**3/4" WITHOUT METER PIT**

ISSUANCE FEE	\$25.00
SERVICE	\$1,000.00
INSPECTION	\$40.00
TURN ON	\$40.00
METER	\$100.00
MIU	\$110.00
SUB-TOTAL	\$1,315.00
TRENCH PERMIT	\$25.00
TOTAL	\$1,340.00

3/4" WITH METER PIT

ISSUANCE FEE	\$25.00
SERVICE	\$1,000.00
INSPECTION	\$40.00
TURN ON	\$40.00
METER	\$120.00
MIU	\$135.00
SUB-TOTAL	\$1,360.00
TRENCH PERMIT	\$25.00
TOTAL	\$1,385.00

1" WITHOUT METER PIT

ISSUANCE FEE	\$25.00
SERVICE	\$2,000.00
INSPECTION	\$40.00
TURN ON	\$40.00
METER	\$200.00
MIU	\$110.00
SUB-TOTAL	\$2,415.00
TRENCH PERMIT	\$25.00
TOTAL	\$2,440.00

1" WITH METER PIT

ISSUANCE FEE	\$25.00
SERVICE	\$2,000.00
INSPECTION	\$40.00
TURN ON	\$40.00
METER	\$215.00
MIU	\$135.00
SUB-TOTAL	\$2,455.00
TRENCH PERMIT	\$25.00
TOTAL	\$2,480.00

STREET OPENING PERMITS

APPLICATION	\$100.00
RESTORATION FEE	BASED ON SIZE OF TRENCH

OTHER FEES:

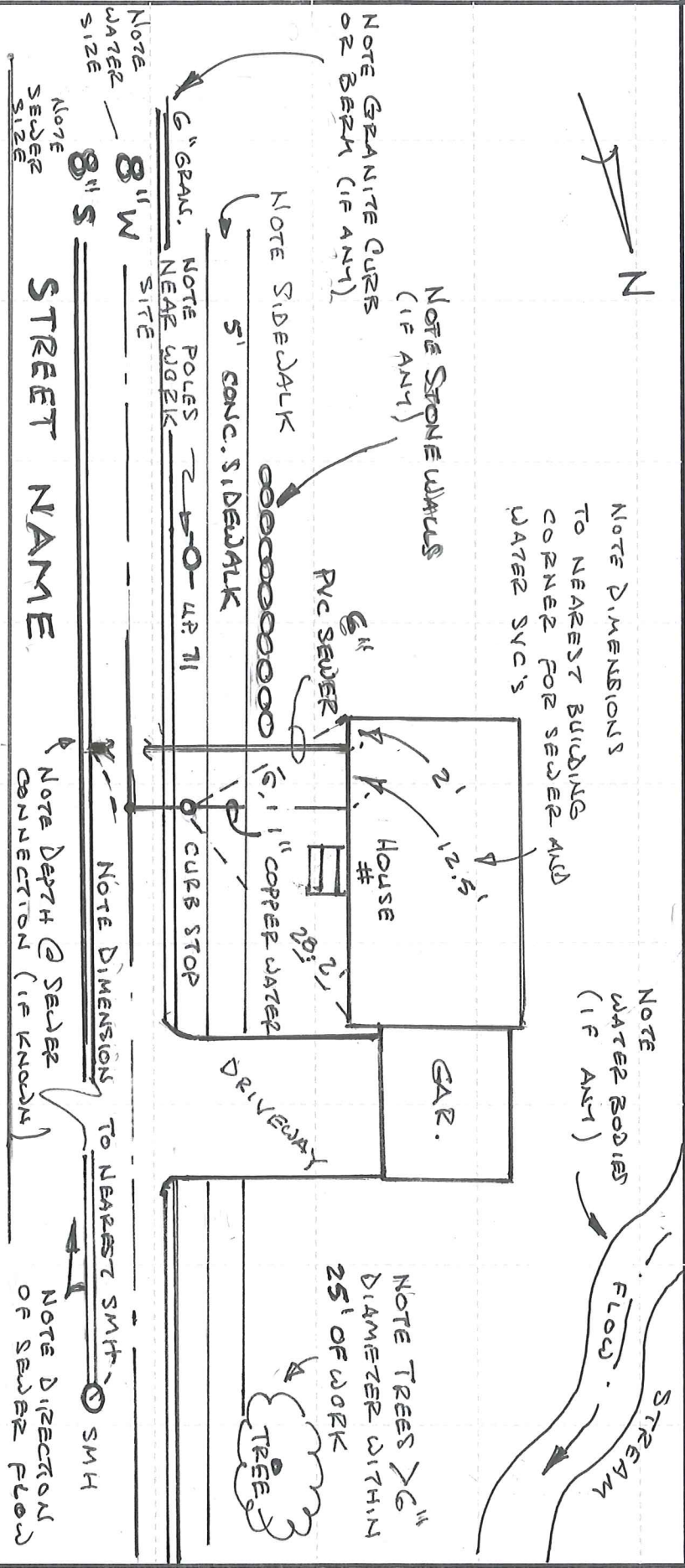
PERMIT ISSUANCE FEE	\$25.00	(for all permits- Good for 1 year)
SERVICE REPAIR FEE	\$40.00	
WATER TURN ON/OFF	\$40.00	
AFTER HOURS SERVICE	\$125.00	(minimum. Hourly rate after 4 hours)
NEW MAIN INSPECTION	\$180.00	(per 200')
Service Connections:	5/8", 3/4"	\$1,000.00
	1"	\$2,000.00
	>1 to 2"	\$3,000.00
Water Main Extension:	4", 6", 8"	\$10,000.00
	10"	\$15,000.00
	12"	\$20,000.00

*Note: Fees are subject to change upon Board of Public Works Hearing



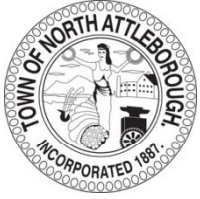
TOWN OF NORTH ATTLEBOROUGH PUBLIC WORKS UTILITY REPAIR PLAN

Note: New service requires 40-scale plot plan



Required Information:

- Address(es) of area of work is proposed
- Description and sketch of proposed work to general scale
- North Arrow
- All property lines, utility poles (with #'s), mailboxes, trees, etc.
- Measurements for new services and house dimensions to nearest foot
- All underground utilities (single line= water double line= sewer)
- Driveways, sidewalks, curbing, nearby intersections
- Hardscape and Landscape features
- Swales, ditches, streams or wetlands
- Pavement markings



TOWN OF NORTH ATTLEBOROUGH PUBLIC WORKS UTILITY REPAIR PLAN

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