
ADDENDUM ONE

Date of Addendum: May 1, 2024

NOTICE:

This Addendum modifies, amends, and supplements designated part of the BID DOCUMENTS for the project identified as “Bid Number 24-041, Water Distribution System Improvements, Main Replacement – Contract MR-14” dated Spring 2024 is hereby made a part thereof by reference and shall be as binding as though inserted in its entirety in the locations designated hereunder. It shall be the responsibility of the Bidder to notify all subcontractor and suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum. No claim for additional compensation due to lack of knowledge of the contents of the Addendum will be considered.

SPECIFICATION, PLANS AND PROPOSAL:

Cwcej o gpv1. Bid Proposal Form attached to this addendum #1 for Bidder’s use.

Cwcej o gpv2. Plan Set attached to this addendum #1 set to print at 24”x 36” at 50’:1” scale.

Cwcej o gpv3. Appendix B attached to this addendum #1. Modified to reflect preferred sequencing of work with the 2024 and 2025 construction seasons.

Cwcej o gpv4. Pre-bid conference attendee sign-in sheet dated 4/30/2024 is attached to this addendum #1.

END OF ADDENDUM ONE

PAWTUCKET WATER SUPPLY BOARD
PAWTUCKET, RHODE ISLAND

BID PROPOSAL

FOR

BID No. 24-041
CONTRACT MR-14

SPRING 2024

WATER DISTRIBUTION SYSTEM IMPROVEMENTS
MAIN REPLACEMENT



Pawtucket
WATER SUPPLY BOARD

SECTION 00310
BID (PROPOSAL)

SECTION 00310

BID (PROPOSAL)

Place _____

Date _____

Bid (Proposal) of _____ (hereinafter called "Bidder")* a corporation, organized and existing under the laws of the State of _____, * a partnership, or an *individual doing business

as _____.

To the City of Pawtucket, Rhode Island, acting herein through its Pawtucket Water Supply Board (hereinafter called the "Owner").

Gentlemen:

The Bidder, in compliance with your Advertisement for Bids for the WATER DISTRIBUTION SYSTEM IMPROVEMENTS CONTRACT MR-14 in the City of Pawtucket, City of Central Falls, and the Town of Cumberland, Rhode Island, for the City of Pawtucket, Rhode Island, acting through the Pawtucket Water Supply Board, having examined the Drawings and Specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials, supplies, and anything else required or necessary, and to construct the project in accordance with the Contract Documents, within the time set forth therein and at the prices stated in the Schedule of Bid Items, which are to cover all expenses incurred in performing the work required under the Contract Documents of which this bid is a part.

The Bidder hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" of the Owner and to fully complete the project within 730 consecutive calendar days thereafter as stipulated in the Specifications. Bidder further agrees to pay as liquidated damages, the sum of **\$1000.00** for each consecutive calendar day thereafter, as hereinafter provided in the Contract and General Conditions.

Bidder acknowledges receipt of the following addendum:

*Insert corporation, partnership, or individual as applicable.

TOTAL BASE BID: The Bidder agrees to perform all the construction work described in the specifications and shown on the drawings for the following unit prices and for the TOTAL BASE BID.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
1.	Mobilization and Demobilization / Yard (not to exceed \$50,000)	<u>1</u>	L.S.	\$ _____	\$ _____
	At _____				Per L.S.
2.	Test Pits	<u>30</u>	EA.	\$ <u>500.00</u>	\$ <u>15,000.00</u>
	At <u>Five Hundred Dollars and No Cents</u>				Per EA.
3.	Rock Removal (Provisional)	<u>250</u>	C.Y.	\$ <u>275.00</u>	\$ <u>68,750.00</u>
	At <u>Two Hundred Seventy - Five Dollars and No Cents</u>				Per C.Y.
4.	Crushed Processed Gravel	<u>13,500</u>	C.Y.	\$ _____	\$ _____
	At _____				Per C.Y.
5.	Furnish & Install 4" Duct. Iron Pipe (Provisional)	<u>70</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
6.	Furnish & Install 6" Duct. Iron Pipe	<u>1,600</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
7.	Furnish & Install 8" Duct. Iron Pipe	<u>31,000</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
8.	Furnish & Install 10" Duct. Iron Pipe (Provisional)	<u>100</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
9.	Furnish & Install 12" Duct. Iron Pipe	<u>280</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
10.	Furnish & Install Ductile Iron Fittings with thrust (AWWA C153)	<u>26,000</u>	LBS.	\$ _____	\$ _____
	At _____				Per LB.
11.	Furnish & Install 4" Gate Valve and Valve Box	<u>5</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
12.	Furnish & Install 6" Gate Valve and Valve Box	<u>50</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
13.	Furnish & Install 8" Gate Valve and Valve Box	<u>97</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
14.	Furnish & Install 12" Gate Valve and Valve Box	<u>4</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
15.	Furnish, Install & Remove Linestop (6" to 12") (Provisional)	<u>8</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
16.	Furnish & Install Insertion Valve (6" & 8") (Provisional)	<u>10</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
17.	Furnish & Install 4" to 24" Cast Couplings	<u>250</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
18.	Furnish and Install Fire Hydrant	<u>11</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
19.	Reset Existing Fire Hydrant	<u>30</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
20.	Furnish & Install 1" Copper Service Pipe	<u>3,700</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
21.	Furnish & Install 1" Corporation Stop	<u>565</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
22.	Furnish & Install 1" Curb Stop (Provisional)	<u>20</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
23.	Furnish & Install 2" Copper Service Pipe	<u>130</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
24.	Furnish & Install 2" Corporation Stop	<u>12</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
25.	Furnish & Install 2" Curb Stop (Provisional)	<u>4</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
26.	Remove & Dispose Abandoned Water Service	<u>40</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
27.	Furnish & Install 2-inch Air Release/Blowoff Assembly and Box	<u>4</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
28.	Class A & B Cement Concrete Complete In-Place	<u>72</u>	C.Y.	\$ _____	\$ _____
	At _____				Per C.Y.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
29.	Furnish & Install 2" Bypass Pipe (Provisional)	<u>1,600</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
30.	Furnish & Install 4" Bypass Pipe (Provisional)	<u>2,100</u>	L.F.	\$ _____	\$ _____
	At _____				Per L.F.
31.	Temporary Pavement 4" State, Municipal, Town Roads	<u>19,254</u>	S.Y.	\$ _____	\$ _____
	At _____				Per S.Y.
32.	Permanent Pavement 4" State, Municipal, Town Roads (Provisional)	<u>507</u>	S.Y.	\$ _____	\$ _____
	At _____				Per S.Y.
33.	Permanent Pavement 9" State Roads (Provisional)	<u>200</u>	S.Y.	\$ _____	\$ _____
	At _____				Per S.Y.
34.	Concrete Base Road Repair - State Roads (Provisional)	<u>40</u>	S.Y.	\$ _____	\$ _____
	At _____				Per S.Y.
35.	Temp. and Perm. Repair Traffic Control loop (Provisional)	<u>4</u>	EA.	\$ <u>2,500.00</u>	\$ <u>10,000.00</u>
	At <u>Two Thousand Five Hundred Dollars and No Cents</u>				Per EA.

ITEMS FOR BID

ITEM NO.	ITEM DESCRIPTION	TOT. BASE BID APPROXIMATE QUANTITY	UNIT MEAS.	UNIT BID PRICE DOLL. & CENTS	TOTAL BASE BID AMOUNT DOLL. & CENTS
36.	Mechanical "Full Size" Street Sweeper	<u>300</u>	HRS.	\$ _____	\$ _____
	At _____				Per HR.
37.	Traffic Control Certified Flagperson	<u>2000</u>	HRS.	\$ _____	\$ _____
	At _____				Per HR.
38.	Remove & Dispose Abandoned Road Box	<u>20</u>	EA.	\$ _____	\$ _____
	At _____				Per EA.
39.	Work Crew Time Delay	<u>80</u>	HRS.	\$ _____	\$ _____
	At _____				Per HR.

TOTAL BASE BID \$ _____

Dollars

(Total Base Bid in writing)

TOTAL BASE BID: Under the TOTAL BASE BID stated above, the Bidder shall perform all of the work and furnish all of the labor, materials, equipment, appurtenances, and services, and do all other work required, necessary and incidental for the installation of IMPROVEMENTS CONTRACT MR-14 in accordance with the Drawings and Specifications.

Unit prices and extended amounts are to be shown in both words and figures. In case of discrepancy, the unit price in words will govern.

In accordance with common practice, where a quantity is labeled "Provisional", use of the item is either not anticipated or no estimate of quantity can be made, but the item is included to establish a price under this contract, usually in the event such work is required owing to unforeseen field conditions. Provisional items are subject to deletion in entirety where not required or necessary. Provisional item quantities may be subject to variation depending on the conditions encountered.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

Bidder agrees that this bid shall be good and shall not be withdrawn for a period of 90 calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, bidder shall execute the formal contract attached within five (5) days and deliver a Surety bond or Bonds as required in the General Conditions. The Bid Security attached in the sum of (10% of bid) _____ dollars (\$ _____) shall become the property of the Owner in the event the Contract and bond are not executed within the time set forth above, as liquidated damages for the delay and additional expense to the Owner caused thereby.

The undersigned bidder declares that this proposal in all respects is fair and made without collusion with any other person, firm or corporation making a proposal for this work.

The undersigned hereby declares that, in regard to all conditions affecting work to be done and the labor and materials required, this bid (proposal) is based on his investigations and findings, and that the Owner and the Engineer and their officers, agents and employees shall not in any manner be held responsible for the accuracy of or be bound by any estimates, borings, indications of borings or spoils or rock, water or underground conditions relative to the proposed work, indicated in this or in the other contract documents; that no warranty or representation has been made by the Owner or the Engineer or their officers, agents and employees as to subsurface soil or rock condition; groundwater; or other underground and similar conditions; nor has any representation or warranty been so made that the estimated quantities to be used for comparison of bid will even approximate the actual quantities of materials and work which the contractor may be required to perform.

Respectfully submitted,

name of Company*

By _____

Title _____

Business Address _____

Phone No. _____

(seal if bid is by corporation)

*Note: Insert bidder's name. If a corporation, give the State of incorporation using the phrase "A corporation organized under the laws of _____, composed of officers as follows:

President

Vice President

Secretary

Treasurer"

If a partnership, give names of partners, using the phrase "copartners trading and doing business under the Firm name and style of _____, composed of partners as follows:

_____"

At a duly authorized meeting of the Board of Directors of the _____

_____ held on _____
(name of corporation) (date)

at which all the Directors were present or waived notice, it was voted that

(name) (officer)
of this company be, and he hereby is, authorized to execute bidding documents,
contracts and bonds in the name and on the behalf of said company, and affix its
corporate seal thereto, and such execution of any such contract of obligation in
this company's name on its behalf by such _____

(officer)

under seal of the company shall be valid and binding upon this company.

A true copy

ATTEST

(clerk)

Place of Business _____

I hereby certify that I am the clerk of the _____

_____, that _____

is duly elected _____ of said company, and that the above vote
(officer)

has not been amended or rescinded and remains in full force and effect as of the date
of this contract.

Corporate Seal

DATE: _____

Clerk

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we the undersigned, _____
_____, as Principal, and _____
_____, as Surety, are hereby held and firmly bound unto
the Pawtucket Water Supply Board, acting through its Chairman hereinafter
called the Owner in the penal sum of _____
_____ Dollars (\$ _____), for the payment of which will and truly
be made, we hereby jointly and severally bind ourselves, our heirs, executors,
administrators, successors and assigns.

Signed this _____ day of _____, 20____.

The CONDITION OF THE ABOVE OBLIGATION is such that whereas the Principal has
submitted to the Pawtucket Water Supply Board, a certain bid attached
hereto and hereby made a part hereof to enter into a contract in writing for
CONTRACT MR-14, in the City of Pawtucket,
for the Pawtucket Water Supply Board, City of Pawtucket, Rhode Island.

NOW THEREFORE,

- (a) If said bill shall be rejected or in the alternate:
- (b) If said bill shall be accepted and the principal shall execute and deliver a contract in the form of contract attached hereto (properly completed in accordance with said bid) and shall furnish a bond for his faithful performance of said contract and for the payment of all persons performing labor and furnishing materials in connection therewith and shall in all other respects perform the agreement created by the acceptance of said bid, then his obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall in no way be impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any extension.

IN WITNESS WHEREOF, the Principal and Surety have hereunto set their hands and seals and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

(Principal)

SEAL

By _____

(Surety)

SEAL

By _____

CITY OF PAWTUCKET
PURCHASING DEPARTMENT
CITY HALL, 137 ROOSEVELT AVENUE
PAWTUCKET, RHODE ISLAND

BID FOR: CONTRACT MR-14

The undersigned, as bidder, having fully informed himself regarding the accuracy of the statements made herein, certifies that:

1. No person or persons other than those named herein are interested in this Bid (Proposal), and that this bid has been made without collusion with any other person, firm or corporation;
2. No person or persons acting in any official capacity for the Owner is/are directly or indirectly interested in the proposed work or any portion of the profit thereof; and
3. The contents of the Bid have not been communicated by the bidder or his employees or agents to any person not an employee or agent of the bidder or his surety on any bond furnished with the Bid, and will not be communicated to any such person or persons prior to the official opening of the Bid.

The undersigned bidder further certifies that this statement is executed for the purposes of inducing the Pawtucket Water Supply Board to consider the bid and make an award in accordance therewith.

Legal Name of Bidder

Business Address

Signature and Title of Person
Authorized to Sign

Date

THE BIDDER SHALL STATE THE NAMES OF ALL
SUBCONTRACTORS THAT HE PROPOSES TO USE

PROPOSED SUBCONTRACTORS

If none, write "None" _____.

* Description of Work _____

Proposed Subcontractor, Name _____

Address _____

* Description of Work _____

Proposed Subcontractor, Name _____

Address _____

* Description of Work _____

Proposed Subcontractor, Name _____

Address _____

* Description of Work _____

Proposed Subcontractor, Name _____

Address _____

*Insert description of work and subcontractors' names as may be required.

This is to certify that the names of the above-mentioned subcontractors are submitted with full knowledge and consent of the respective parties.

The bidder warrants that none of the subcontractors have any conflict of interest as respects this contract.

Bidder _____
(Fill in Name)

By _____
(Signature and Title)

CONTRACTOR'S QUALIFICATION STATEMENT

The Undersigned certifies under oath the truth and correctness of all statements and all answers to questions made hereinafter.

SUBMITTED TO: _____

SUBMITTED BY: _____

NAME: _____

ADDRESS: _____

PRINCIPAL OFFICE: _____

- () Corporation
- () Partnership
- () Individual
- () Joint Venture
- () Other _____

(NOTE: Attach separate sheets as required)

1. How many years has your organization been in business as a General Contractor? _

2. How many years has your organization been in business under its present name?

3. If a Corporation answer the following:

Date of Incorporation: _____

State of Incorporation: _____

President: _____

Vice-President: _____

Secretary: _____

Treasurer: _____

4. If a Partnership, answer the following:

Date of Organization: _____

Type of Partnership: _____

(General/Limited/Assoc.)

Name and address of all partners:

5. If other than a corporation or partnership, describe Organization and name Principals:

6. What percent of the work do you normally perform with your own forces? _____ List trades:

7. Have you ever failed to complete any work awarded to you? If so, indicate when, where, and why:

8. Has any Officer or Partner of your Organization ever been an Officer or Partner of another Organization that failed to complete a construction contract? _____ If so, state circumstances:

9. List major construction projects your Organization has under contract on this date:

Project Name _____

Owner _____

Architect/Engineer _____

Contract Amount _____ Contract Date _____

Percent Complete _____ Scheduled Completion _____

10. List similar major construction projects your Organization has completed in the last ten years: **(Contractor must supply written evidence that he has at least ten years of experience with similar projects of equal size and scope and has successfully completed at least four of these projects in the last ten years)**

Project Name _____

Owner _____

Architect/Engineer _____

Contract Amount _____ Date Awarded _____

Date Completed _____ Percent With Own Forces _____

Project Name _____

Owner _____

Architect/Engineer _____

Contract Amount _____ Date Awarded _____

Date Completed _____ Percent With Own Forces _____

Project Name _____

Owner _____

Architect/Engineer _____

Contract Amount _____ Date Awarded _____

Date Completed _____ Percent With Own Forces _____

Project Name _____

Owner _____

Architect/Engineer _____

Contract Amount _____ Date Awarded _____

Date Completed _____ Percent With Own Forces _____

11. List of the plant and equipment available to properly and expeditiously perform the work:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

12. List the construction experience of the principal individuals in your Organization:

Individual's Name _____

Construction Experience-years _____

Present Position and Years Experience _____

Dollar Volume Responsibility _____

Previous Position and Years Experience _____

Individual's Name _____

Construction Experience-years _____

Present Position and Years Experience _____

Dollar Volume Responsibility _____

Previous Position and Years Experience _____

13. List states and categories in which your Organization is legally qualified to do business:

14. Bank References

15. Trade References

_____	_____
_____	_____
_____	_____

16. Name of Bonding and Insurance Companies and Name and Address of Agents:

17. The undersigned agrees to furnish, upon request by the Owner, if being considered for award of contract for the project upon which a bid proposal has been submitted within 48 hours after the Bid Opening, a current Statement of Financial Conditions, including Contractor's latest regular financial statement or balance sheet which must contain the following items:

Current Assets: (Cash, joint venture accounts, accounts receivable, notes receivable, accrued interest on notes, deposits, and materials and prepaid expenses), net fixed assets and other assets.

Current Liabilities: (Accounts payable, notes payable, accrued interest on notes, provision for income taxes, advances received from owners, accrued salaries, accrued payroll taxes), other liabilities, and capital (capital stock, authorized and outstanding shares par values, earned surplus).

18. Dated at _____ this _____ day of

_____ 20 _____

Name of Organization: _____

By: _____

Title: _____

19. NOTARIZATION: State of _____ County
of _____ M _____
being duly sworn deposes and says that he (she) is the
_____ of _____
contractor(s) and that the foregoing questions and all
statements therein contained are true and correct.
Subscribed and sworn before me this _____
day of _____ 20_____

Notary Public: _____

My Commission Expires: _____

ANTI-KICKBACK ACKNOWLEDGMENT

ALL BIDDERS/OFFERORS MUST ATTEST TO THE FOLLOWING:

The vendor acknowledges, under the pains and penalties of perjury, that he/she has not been offered, paid, or solicited for any contribution or compensation, nor has he/she been granted a gift, gratuity, or other consideration, either directly or indirectly by any officer, employee or member of the governing body of the City of Pawtucket who exercises any functions or responsibilities in connection with either the award or execution of the project to which this contract pertains.

Further, the vendor acknowledges, under the pains and penalties of perjury, that he/she has not offered, paid, or solicited by way of any contribution or compensation, nor has he/she granted a gift, gratuity or other consideration either directly or indirectly to any officer, employee, or member of the governing body of the City of Pawtucket who exercises any functions or responsibilities in connection with either the award or execution of the project to which this project or contract pertains.

SIGNATURE OF OFFEROR

DATE

TITLE

COMPANY

Title of RFP or Bid:

BID NO. 24-041 - Water Distribution System Improvements - Contract MR-14

ORIGINAL: AUGUST/2001REVISED: APRIL/2006



**State of Rhode Island
 Division of Equity, Diversity, and Inclusion (DEDI)
 Minority Business Enterprise Compliance Office
 Minority Business Enterprise Utilization Plan**

Company Name: _____

Representative's Name who administers MBE Program: _____

Street Address: _____

City, State, Zip: _____ Telephone: _____

Email: _____ Project Location: _____

Bid or Project #: _____ Date Bid Opened: _____

Description of Work: _____

Contract Value: _____ MBE % Assigned: _____

Total # of All Subcontractors/Suppliers used: _____ # of MBE Subcontractors/Suppliers used: _____

List All Subcontractors/Suppliers/Consultants/Independent Contractors – Total Dollar Amounts – Scope of Work:

Subcontractor / Supplier	Dollar Award	Scope/Description of Work	RI Certified M/WBE Yes/No

Please note that all MBE/WBE firms must be certified by the RI MBE Compliance Office, and that MBE/WBE firms must self-perform 100% of the work with their own forces or subcontract to another RI certified MBE/WBE in order to receive participation credit. Vendors may count 60% of expenditures for materials and supplies obtained from an MBE certified as a regular dealer/supplier, and 100% of such expenditures obtained from an MBE/WBE certified as a manufacturer. For firms certified as a broker, you may receive MBE participation credit only for the fees and commissions charged for the procurement of the good and materials, but not the cost of the materials themselves.

The above referenced contract will not be released until this plan has been approved by the Director of the Department of Administration or its designee.

For assistance and advice in identifying MBE/WBE firms, please call the Minority Business Enterprise Compliance Office at (401) 574-8253. The directory of all certified MBE firms is also located at www.mbe.ri.gov.

Signature of Authorized Agent of Business: _____ Date: _____

Send Completed Form to:
Kate Constance Brody, Esq. Administrator – MBE Compliance Office
Division of Equity, Diversity, and Inclusion (DEDI)
Minority Business Enterprise Compliance Office
One Capitol Hill, 3rd Floor
Providence, RI 02908
Phone: (401) 574-8670
Kate.Brody@doa.ri.gov

**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Participation Form**

An EPA Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE¹ subcontractor² the opportunity to describe work received and/or report any concerns regarding the EPA-funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the EPA DBE Coordinator at any time during the project period of performance.

Subcontractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity:	

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services, Equipment or Supplies	Amount Received by Prime Contractor

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractors bid or proposal package.

Subcontractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity:	

Contract Item Number	Description of Work Submitted to the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other: _____		Meets/ exceeds EPA certification standards? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unknown

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Performance Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE¹ subcontractors² and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Issuing/Funding Entity:			

I have identified potential DBE certified subcontractors	__ YES	__ NO	
If yes, please complete the table below. If no, please explain:			
Subcontractor Name/ Company Name	Company Address/ Phone/ Email	Est. Dollar Amt	Currently DBE Certified?

_____ Continue on back if needed _____

¹ A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

² Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**Disadvantaged Business Enterprise (DBE) Program
DBE Subcontractor Utilization Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

**Office of Diversity, Equity and Opportunity (ODEO)
 MBE Compliance Office
 1 Capitol Hill, 3rd Floor
 Providence, RI 02908**

(401) 574-8670
www.mbe.ri.gov

Pursuant to RIGL 37-14.1 as well as the regulations promulgated thereto, the MBE Compliance Office requires that you complete the following table. Please note that these figures will be verified with the MBEs identified. If there are outstanding issues, such as retainage or a dispute, please indicate and attach supporting documentation for same. Also note that copies of invoice and cancelled checks for payment to all MBE subcontractors and suppliers are required.

Contractor/Vendor Name: _____ **Current Prime Contract Amount:** \$ _____ **% Complete:** _____
Project Name & Location: _____

MBE/WBE Subcontractor	Original Contract Amount	Change Orders	Revised Contract Value	% Completed To Date	Amount Paid To Date	Amount Due	Retainage %	Retainage Amount	Explanation

I declare, under penalty of perjury, that the information provided in this verification form and supporting documents is true and correct.

 Signature Date

 Printed Name

Notary Certificate:

Sworn before me this _____ day of _____, 20_____.

 Notary Signature

 Commission Expires

DEBARMENT & SUSPENSION

Executive Order 12549--Debarment and Suspension

Source: The provisions of Executive Order 12549 of Feb. 18, 1986, appear at 51 FR 6370, 3 CFR, 1986 Comp., p. 189, unless otherwise noted.

By the authority vested in me as President by the Constitution and laws of the United States of America, and in order to curb fraud, waste, and abuse in Federal programs, increase agency accountability, and ensure consistency among agency regulations concerning debarment and suspension of participants in Federal programs, it is hereby ordered that:

Section 1. (a) To the extent permitted by law and subject to the limitations in Section 1(c), Executive departments and agencies shall participate in a system for debarment and suspension from programs and activities involving Federal financial and nonfinancial assistance and benefits. Debarment or suspension of a participant in a program by one agency shall have government-wide effect.

(b) Activities covered by this Order include but are not limited to: grants, cooperative agreements, contracts of assistance, loans, and loan guarantees.

(c) This Order does not cover procurement programs and activities, direct Federal statutory entitlements or mandatory awards, direct awards to foreign governments or public international organizations, benefits to an individual as a personal entitlement, or Federal employment.

Sec. 2. To the extent permitted by law, Executive departments and agencies shall:

(a) Follow government-wide criteria and government-wide minimum due process procedures when they act to debar or suspend participants in affected programs.

(b) Send to the agency designated pursuant to Section 5 identifying information concerning debarred and suspended participants in affected programs, participants who have agreed to exclusion from participation, and participants declared ineligible under applicable law, including Executive Orders. This information shall be included in the list to be maintained pursuant to Section 5.

(c) Not allow a party to participate in any affected program if any Executive department or agency has debarred, suspended, or otherwise excluded (to the extent specified in the exclusion agreement) that party from participation in an affected program. An agency may grant an exception permitting a debarred, suspended, or excluded party to participate in a particular transaction upon a written determination by the agency head or authorized designee stating the reason(s) for deviating from this Presidential policy. However, I intend that exceptions to this policy should be granted only infrequently.

Sec. 3. Executive departments and agencies shall issue regulations governing their implementation of this Order that shall be consistent with the guidelines issued under Section 6. Proposed regulations shall be submitted to the Office of Management and Budget for review within four months of the date of the guidelines issued under Section 6. The Director of the Office of Management and Budget may return for reconsideration proposed regulations that the Director believes are inconsistent with the guidelines. Final regulations shall be published within twelve months of the date of the guidelines.

Sec. 4. There is hereby constituted the Interagency Committee on Debarment and Suspension, which shall monitor implementation of this Order. The Committee shall consist of representatives of agencies designated by the Director of the Office of Management and Budget.

Sec. 5. The Director of the Office of Management and Budget shall designate a Federal agency to perform the following functions: maintain a current list of all individuals and organizations excluded from program participation under this Order, periodically distribute the list to Federal agencies, and study the feasibility of automating the list; coordinate with the lead agency responsible for government-wide debarment and suspension of contractors; chair the Interagency Committee established by Section 4; and report periodically to the Director on implementation of this Order, with the first report due within two years of the date of the Order.

Sec. 6. The Director of the Office of Management and Budget is authorized to issue guidelines to Executive departments and agencies that govern which programs and activities are covered by this Order, prescribe government-wide criteria and government-wide minimum due process procedures, and set forth other related details for the effective administration of the guidelines.

Sec. 7. The Director of the Office of Management and Budget shall report to the President within three years of the date of this Order on Federal agency compliance with the Order, including the number of exceptions made under Section 2(c), and shall make recommendations as are appropriate further to curb fraud, waste, and abuse.

Implementation in the SRF Programs

A company or individual who is debarred or suspended cannot participate in primary and lower-tiered covered transactions. These transactions include SRF loans and contracts and subcontracts awarded with SRF loan funds.

Under 40 C.F.R. 32.510, the SRF agency must submit a certification stating that it shall not knowingly enter into any transaction with a person who is proposed for debarment, suspended, declared ineligible, or voluntarily excluded from participation in the SRF program. This certification is reviewed by the EPA regional office before the capitalization grant is awarded.

A recipient of SRF assistance directly made available by capitalization grants must provide a certification that it will not knowingly enter into a contract with anyone who is ineligible under the regulations to participate in the project. Contractors on the project have to provide a similar certification prior to the award of a contract and subcontractors on the project have to provide the general contractor with the certification prior to the award of any subcontract.

In addition to actions taken under 40 C.F.R. Part 32, there are a wide range of other sanctions that can render a party ineligible to participate in the SRF program. Lists of debarred, suspended and otherwise ineligible parties are maintained by the General Services Administration and should be checked by the SRF agency and all recipients of funds directly made available by capitalization grants to ensure the accuracy of certifications.

Additional References

C 40 C.F.R. Part 32: EPA Regulations on Debarment and Suspension.

**CERTIFICATION REGARDING DEBARMENT & SUSPENSION
AND OTHER RESPONSIBILITY MATTERS**

In accordance with the Executive Order 12549, the prospective primary participant certifies to the best of his / her knowledge and belief, that its principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification.
- d. Have not within a three-year period preceding this application / proposal had one or more public transactions (federal, state, or local) terminated for cause of default.
- e. Acknowledge that all sub-contractors selected for this project must be in compliance with paragraphs (1) (a – d) of this certification.

Name and Title of Authorized Agent

Date

Signature of Authorized Agent

Company Name

_____ I am unable to certify to the above statements. My explanation is attached.

American Iron and Steel Requirement

The Contractor acknowledges to and for the benefit of the City of Pawtucket Water Supply Board (“Purchaser”) and the State of Rhode Island (“State”) that it understands the goods and services under this Agreement are being funded with monies made available by the Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel” that requires all of the iron and steel products used in the project be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover damages against the Contractor any loss, expense, or cost (including without limitation attorneys’ fees) incurred by the Purchaser or State resulting from such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of this project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

SIGNATURE OF BIDDER

DATE

TITLE

COMPANY

Title of RFP or Bid:

BID NO. 24-041 - Water Distribution System Improvements – Contract MR-14

Build America, Buy America

The Contractor acknowledges to and for the benefit of the City of Pawtucket Water Supply Board (“Owner”) and the State of Rhode Island (“Funding Authority”) that it understands the goods and services under this Agreement are being funded with federal monies and have statutory requirements commonly known as “Build America, Buy America;” that requires all of the iron and steel, manufactured products, and construction materials used in the project to be produced in the United States (“Build America, Buy America Requirements”) including iron and steel, manufactured products, and construction materials provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Owner and Funding Authority (a) the Contractor has reviewed and understands the Build America, Buy America Requirements, (b) all of the iron and steel, manufactured products, and construction materials used in the project will be and/or have been produced in the United States in a manner that complies with the Build America, Buy America Requirements, unless a waiver of the requirements is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the Build America, Buy America Requirements, as may be requested by the Owner or the Funding Authority. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Owner or Funding Authority to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney’s fees) incurred by the Owner or Funding Authority resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the Funding Authority or any damages owed to the Funding Authority by the Owner). If the Contractor has no direct contractual privity with the Funding Authority, as a lender or awardee to the Owner for the funding of its project, the Owner and the Contractor agree that the Funding Authority is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the Funding Authority.

SIGNATURE OF BIDDER

DATE

TITLE

COMPANY

Title of RFP or Bid:

BID NO. 24-041 - Water Distribution System Improvements – Contract MR-14

PAWTUCKET WATER SUPPLY BOARD
PAWTUCKET, RHODE ISLAND

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

CONTRACT – MR14

MAIN REPLACEMENT

SPRING 2024



Pawtucket
WATER SUPPLY BOARD



LOCUS MAP

PWSB DISTRIBUTION SYSTEM
PAWTUCKET, CUMBERLAND, CENTRAL FALLS RHODE ISLAND
STREET INDEX

STATE MAINTAINED STREET/HIGHWAYS THAT REQUIRE RIDOT ROAD OPENING PERMITS

PAWTUCKET: ARMISTICE BOULEVARD – YORK AVE. TO THE MASSACHUSETTS LINE
NEWPORT AVENUE – ALL OF THE STREET
CENTRAL AVENUE – FROM BROADWAY TO THE MASSACHUSETTS LINE
SMITHFIELD AVENUE – FROM PROVIDENCE LINE TO LINCOLN LINE
DEXTER STREET – FROM MAIN ST. TO LONSDALE AVE.

CUMBERLAND: HIGH STREET – FROM HAVEN ST. TO MARSHALL AVE.
MENDON ROAD – ALL OF THE STREET
MARSHALL AVENUE – FROM HIGH ST. TO MENDON RD.
DEXTER STREET – ALL OF THE STREET
BROAD STREET – ALL OF THE STREET
JOHN STREET – FROM BROAD ST. TO LONSDALE AVE.
CHAMBERS STEET – FROM JOHN ST. TO BROAD ST.

CENTRAL FALLS: DEXTER STREET – FROM MAIN ST. TO LONSDALE AVE
LONSDALE AVENUE – FROM PRIME ST. TO WALKER ST.

LEGEND

- EXISTING MAIN TO BE CLEANED & LINED
- NEW WATER MAIN
- EXISTING WATER MAIN
- ABANDONED WATER MAIN
- NEW HYDRANT, BRANCH, VALVE, AND TEE ASSEMBLY
- EXISTING HYDRANT ASSEMBLY
- NEW BEND
- NEW GATE VALVE
- EXISTING GATE OR BUTTERFLY VALVE
- NEW REDUCER
- EXISTING REDUCER
- NEW COUPLING
- NEW CAP
- NEW CROSS
- NEW TEE
- EXISTING SERVICE CONNECTION
- EXISTING SERVICE CONNECTION TO BE REVAMPED
- EXISTING VACANT LOT SERVICE TO BE REMOVED
- ONE WAY STREET
- BUILDINGS WITH ADDRESS

INDEX OF DRAWINGS

1. LEGEND AND INDEX OF DRAWINGS
2. GENERAL NOTES
3. BENEFIT ST
4. BENEFIT ST
5. CLEWS ST
6. CLEWS ST
7. BLACKBURN ST; ELMCREST DR; PECKHAM ST; WASHBURN ST
8. KATAMA RD; NAUSHON CT; NAUSHON RD; TASHMOO WAY
9. LAKE ST
10. MAIN ST; MOSHASSUCK ST
11. TRIESTE ST
12. GRAND VIEW RD
13. GROSVENOR AVE
14. PRENTICE AVE
15. CENTRAL AVE.
16. CENTRAL AVE.
17. CENTRAL AVE.
18. ARCHER ST; CREST DR; REVERE ST; WELDEN ST
19. FLINT ST; RILEY ST
20. CEDARBROOK RD; MAYFIELD ST
21. PEQUOT RD
22. DUNNELL LA; MAPLE ST
23. BAYLEY ST; COMMERCE ST
24. TERRACE AVE; VARNUM AVE
25. DAY ST
26. MISCELLANEOUS DETAILS
27. MISCELLANEOUS DETAILS
28. MISCELLANEOUS DETAILS
29. MISCELLANEOUS DETAILS

PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
LEGEND, INDEX, LOCUS MAP	
APRIL 2024	SCALE: N. T. S.

GENERAL NOTES

1. THE LOCATION OF PROPERTY LINES, RIGHTS-OF-WAY, BUILDINGS, AND ALONG WITH THE LOCATIONS AND SIZES OF EXISTING WATER MAINS, SERVICES AND APPURTENANCES AS SHOWN ON THE DRAWINGS IS BASED ON THE BEST AVAILABLE INFORMATION FROM PAWTUCKET WATER SUPPLY BOARD RECORDS AND IS NOT WARRANTED TO BE EXACT NOR ALL INCLUSIVE. EXACT LOCATIONS OF PIPE, VALVES, HYDRANTS, SERVICES AND APPURTENANCES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR WITH THE ASSISTANCE OF THE OWNER.
2. EXISTING UNDERGROUND SEWERS, STORM, ELECTRIC, TELEPHONE, GAS, AND OTHER UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR OBTAINING ALL LOCATIONS OF EXISTING UNDERGROUND PIPES, UTILITIES AND STRUCTURES, AND SHALL NOTIFY DIG SAFE AT 811 OR 888-DIG-SAFE PRIOR TO PROCEEDING WITH CONSTRUCTION OPERATIONS AND PREPARATIONS FOR ANY EXCAVATIONS. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY UTILITY COMPANIES OR ENTITIES WITH UTILITIES IN THE VICINITY TO THE PROJECT AREA WHICH ARE NOT MEMBERS OF DIG SAFE.
3. ANY CONFLICT WITH EXISTING UNDERGROUND PIPE, UTILITY OR STRUCTURE SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER, AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE AFFECTED UTILITY COMPANY OR AUTHORITY.
4. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONDITION SURVEY SHALL BE CONDUCTED BY THE CONTRACTOR OF ALL AREAS ALONG THE PROJECT CORRIDOR AND THE RESULTS OF THIS SURVEY SHALL BE SUBMITTED TO THE PWSB AS A DIGITAL FILE ON A CD/DVD. NO SEPARATE PAYMENT WILL BE MADE FOR THE COMPLETION OF THIS SURVEY AND THE CD/DVD. COMPENSATION FOR SUCH WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE UNIT PRICE PAID FOR "FURNISH AND INSTALL DUCTILE IRON PIPE".
5. NOTES PERTAINING TO NEW WORK SHOWN THUS:
6. THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE BETWEEN THE NEW WATER PIPE AND ALL OTHER EXISTING UTILITIES OF AT LEAST 12 INCHES.
7. NEW WATER MAINS SHALL PASS UNDER ALL EXISTING WATER MAINS AND OTHER UTILITIES EXCEPT SANITARY SEWERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
8. ON CLEANING AND LINING PROJECTS, THE CONTRACTOR MAY HAVE A MAXIMUM OF 3000 L.F. OF MAIN OFF-LINE AND A MAXIMUM OF 7000 L.F. OF ACTIVE/ INACTIVE BYPASS DOWN AT ANY TIME DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE ENGINEER.
9. ON CLEANING AND LINING PROJECTS OR WHERE WATER SERVICE WILL BE INTERRUPTED FOR MORE THAN 8 HRS., CONTRACTOR SHALL PROVIDE TEMPORARY FIRE AND DOMESTIC WATER SERVICE TO ALL RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL WATER USERS. WATER SERVICE SHALL NOT BE INTERRUPTED FOR A SUBSTANTIAL PERIOD OF TIME. THE CONTRACTOR SHALL COORDINATE THE HOOKUP OF TEMPORARY WATER SERVICE WITH ALL PWSB CUSTOMERS. A BYPASS PLAN AND ACCESS PIT PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR PRIOR APPROVAL. ALL HOSES THAT ARE TO SUPPLY POTABLE WATER TO BUILDINGS ARE TO BE NSF-61 AND/OR FDA APPROVED FOR CONTACT WITH DRINKING WATER.
10. TEMPORARY SERVICES (IF NEEDED) FROM THE STREET TO BUILDINGS ARE NOT SHOWN ON THE PLAN, BUT MUST BE FURNISHED, INSTALLED, AND MAINTAINED AS DESCRIBED IN SECTION 02750 OF THE SPECIFICATION. EACH BUILDING MUST HAVE AN INDEPENDENT SERVICE CONNECTION AND SHUT-OFF FROM THE TEMPORARY BYPASS MAIN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
11. ALL TEMPORARY HYDRANTS ARE TO BE COMPATIBLE WITH THE EQUIPMENT USED BY THE LOCAL FIRE DEPARTMENT. CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE DEPARTMENTS.
12. WHILE TEMPORARY WATER SERVICES ARE IN PLACE, THE CONTRACTOR SHALL RESPOND WITHIN NINETY MINUTES TO ANY EMERGENCY OR WATER CUSTOMER COMPLAINT RELATIVE THERETO.
13. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AT LEAST 48 HRS, EXCLUDING WEEKENDS AND HOLIDAYS, IN ADVANCE OF ANY VALVE CLOSURE REQUIRED FOR A WATER MAIN SHUTDOWN. THE WATER SUPPLY BOARD WILL OPERATE ALL VALVES FOR THE PURPOSE OF OBTAINING A SHUTDOWN. THE WATER SUPPLY BOARD MAY REQUIRE THE CONTRACTORS ASSISTANCE IN OBTAINING AN ADEQUATE SHUTDOWN TO BE COORDINATED BY THE ENGINEER.
14. THE PAWTUCKET WATER SUPPLY BOARD WILL NOTIFY AFFECTED CUSTOMERS OF ANY PENDING WATER MAIN SHUTDOWNS AT LEAST 24 HRS IN ADVANCE.
15. IF DEEMED NECESSARY, THE CONTRACTOR MAY BE REQUIRED TO WORK OUTSIDE OF REGULAR WORKING HOURS TO ACCOMMODATE CRITICAL CUSTOMERS, ALLEVIATE TRAFFIC CONGESTION OR FOR ANY OTHER RELEVANT REASON. FOR WORK COMPLETED DURING THIS PERIOD, THE CONTRACTOR SHALL RECEIVE NO EXTRA PAYMENT FOR THE ADDITIONAL COST ASSOCIATED WITH THE OVERTIME DIFFERENTIAL IN THE CONTRACTOR'S LABOR AND EQUIPMENT RATES.
16. WHERE SHOWN ON THE DRAWINGS, EXISTING WATER MAIN, VALVES, SERVICES, AND FITTINGS SHALL BE REMOVED AND DISPOSED, AND REPLACED WITH NEW DUCTILE IRON PIPE, VALVES, COPPER PIPE, FITTINGS, AND COUPLINGS OF THE TYPE & MATERIAL SPECIFIED.
17. DUE TO THE AGE OF THE EXISTING DISTRIBUTION SYSTEM, THE CONTRACTOR IS ADVISED THAT TOTAL SHUTDOWN OF SOME VALVES OR CONNECTIONS MAY NOT BE POSSIBLE. THIS MAY REQUIRE THAT SIDE-LINE WATER MAIN AND VALVES BE REPLACED UNDER PARTIAL FLOW CONDITIONS REQUIRING ADEQUATE DEWATERING MEASURES BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ADEQUATE NUMBER OF THE PROPER TYPE PUMPS FOR SUFFICIENT DEWATERING TO PROSECUTE THE WORK.
18. NO SEPARATE PAYMENT OR ALLOWANCE SHALL BE MADE FOR DEWATERING, BUT THE COST THEREOF SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK AS LISTED IN THE BID.
19. ALL WATER SERVICES SHOWN ON THE DRAWINGS TO BE REMOVED AND REPLACED, SHALL BE REPLACED WITH COPPER SERVICES AS SPECIFIED IN SECTION 02650. WHERE SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER, ALL EXISTING SERVICE LINES TO VACANT LOTS ARE TO BE REMOVED AND DISPOSED.
20. ALL TRENCHES FOR CLEANING AND LINING AND REPLACEMENT WORK SHALL BE ADEQUATELY SHEETED; AND AREAS BEHIND THE SHEETING SHALL BE PROPERLY BACKFILLED AND COMPACTED. STEEL PLATING SHALL BE PROVIDED AND SECURELY INSTALLED OVER THE TRENCH FOR MAINTENANCE OF TRAFFIC WHEN WORK IS NOT IN PROGRESS.
21. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE CERTIFIED THIRD PARTY TESTING LAB ACCEPTABLE TO THE PWSB TO COMPLETE FIELD DENSITY COMPACTION TESTING OF BACKFILL. FIELD DENSITY COMPACTION TESTING SHALL BE PERFORMED AT A MINIMUM OF ONE LOCATION PER STREET TO BE CLEANED AND LINED OR STREET WHERE THE WATER MAIN IS TO BE REPLACED. FIELD DENSITY COMPACTION TESTING SHALL BE PERFORMED IN NEWLY EXCAVATED AREAS AS DEFINED IN TECHNICAL SPECIFICATION "02211 EARTH TRENCH EXCAVATION AND BACKFILL" AND TEST LOCATIONS SHALL BE APPROVED BY THE PWSB. NO SEPARATE PAYMENT WILL BE MADE FOR THE COMPLETION OF THIS COMPACTION TESTING. COMPENSATION FOR SUCH WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE UNIT PRICE PAID FOR "FURNISH AND INSTALL DUCTILE IRON PIPE".
22. UNIFORMED (SPECIAL DUTY) POLICE OFFICERS SHALL BE UTILIZED DURING CONSTRUCTION AS REQUIRED TO DIRECT TRAFFIC IN AND AROUND WORK AREAS. THE CONTRACTOR SHALL COORDINATE, WITH THE APPROVAL OF THE ENGINEER, ALL DETAIL ASSIGNMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO SCHEDULE OFFICERS WITH THE APPROPRIATE POLICE DEPARTMENT.
23. NO CLEANING OR LINING WORK SHALL BE DONE THROUGH ANY EXISTING VALVES UNLESS INDICATED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
24. EXCEPT FOR LOCATIONS WHERE HAND CLEANING AND LINING IS WARRANTED, IS INDICATED ON THE DRAWINGS, OR IS THE ONLY FEASIBLE METHOD, ALL WATER MAINS TO BE LINED SHALL BE CLEANED AND LINED BY THE DRY DRAGLINE METHOD.
25. EXCAVATION AND RESTORATION OF PAVEMENT IN LOCAL AND STATE ROADWAYS SHALL COMPLY TO THE APPLICABLE REQUIREMENTS OF THE LOCAL DEPARTMENT OF PUBLIC WORKS AND THE STATE OF RHODE ISLAND DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS AND APPROVALS THAT MAY BE REQUIRED IN CONNECTION THEREWITH.
26. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES TO WITHIN STREET LINES, EASEMENTS AND RIGHT-OF-WAY AREAS ACROSS PRIVATE PROPERTY. THE CONTRACTOR SHALL NOT STORE MATERIAL OR EQUIPMENT ON SIDEWALKS, PRIVATE PROPERTY OR BLOCK DRIVEWAYS OVERNIGHT.
27. CONTRACTOR SHALL PLACE TEMPORARY HOT-MIX BITUMINOUS PAVEMENT ON ALL BACKFILLED TRENCHES WITHIN 24 HOURS IN HIGH TRAFFIC AREAS. NO EXCAVATED/ BACKFILLED AREAS SHALL BE LEFT UNPAVED OVER WEEKENDS AND/ OR HOLIDAY PERIODS. A MAXIMUM OF 1000 L.F. OF TRENCH MAY BE LEFT UNPAVED AT ANY TIME ON ANY PARTICULAR ROADWAY. ALL TEMPORARY PAVEMENT TO BE DONE PROMPTLY AND PROGRESSIVELY TO MAINTAIN A NEAT, ORDERLY, AND SAFE PROJECT AREA AT THE DIRECTION OF THE ENGINEER.
28. ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR SHALL BE LOAMED AND SEEDED AND RETURNED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL EXPENSE TO THE PWSB.
29. CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION AREAS CLEAR OF DEBRIS AND EXCAVATED MATERIALS AT ALL TIMES. CONTINUOUS DUST CONTROL, USING CALCIUM CHLORIDE OR OTHER APPROVED METHOD, SHALL BE PROVIDED AT ALL TIMES AS DIRECTED AT NO ADDITIONAL EXPENSE TO THE OWNER. THE ENTIRE DAILY WORK ZONE AREAS SHALL BE BROOM SWEEP DAILY AT NO ADDITIONAL EXPENSE TO THE OWNER.
30. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES IMPACTED OR DAMAGED BY HIS CONSTRUCTION OPERATIONS, AT NO ADDITIONAL EXPENSE TO THE OWNER.
31. ALL MATERIALS AND WORK SHALL CONFORM TO NSF 60/61 AND THE LATEST EDITION OF THE RULES AND REGULATIONS OF THE PWSB. WHERE CONFLICTS EXIST BETWEEN THESE SPECIFICATIONS AND DRAWING, THE PWSB RULES AND REGULATIONS SHALL GOVERN.
32. WHERE EXISTING VALVES IN MANHOLE STRUCTURES ARE INDICATED FOR REMOVAL, THE CONTRACTOR SHALL EXCAVATE, REMOVE AND PROPERLY DISPOSE OF THE BURIED STRUCTURE AS SPECIFIED.
33. WHEREVER EXISTING PIPELINES ARE CUT AND PORTIONS THEREOF ARE TEMPORARILY REMOVED, SUCH AS IN ACCESS PIT LOCATIONS, ALL PRECAUTIONS SHALL BE TAKEN TO PROPERLY SEAL PIPE OPENINGS UTILIZING SOLID METAL WATERTIGHT CAPS OR OTHER METHODS APPROVED BY THE ENGINEER. NO FLEXIBLE FABRICS, PLASTICS OR TAPES WILL BE PERMITTED.
34. THE CONTRACTOR SHALL REMOVE ALL EXISTING VALVE BOXES, COVERS AND VACANT LOT CURBSTOP BOXES WHICH BECOME ABANDONED OR ARE ASSOCIATED WITH VACANT LOT SERVICES (VLS) TO BE DISCONNECTED AND ABANDONED IN ACCORDANCE WITH THE SPECIFICATIONS, AT NO ADDITIONAL EXPENSE TO THE OWNER.
35. ABANDONED AND BURIED EXISTING TROLLEY RAILS THAT ARE FOUND TO BE IN THE WAY WHILE EXCAVATING FOR NEW WORK, SHALL BE REMOVED AND DISPOSED AT NO ADDITIONAL EXPENSE TO THE OWNER.
36. IN THE EVENT AN EXISTING WATER SERVICE LINE DESIGNATED TO BE REPLACED, IS FOUND TO BE COPPER, THE EXCAVATION AND BACKFILL SHALL BE PAID FOR UNDER THE ITEM FOR TEST PITS IN THE BID. FOR PURPOSES OF CLARIFICATION, THE TEST PIT ITEM SHALL NOT BE PAID FOR ANY SERVICES THAT REQUIRE RECONNECTION TO THE NEWLY INSTALLED WATER MAIN. THE EXCAVATION AND BACKFILL AT THESE LOCATIONS ARE TO BE PAID UNDER OTHER ITEMS OF THE CONTRACT.
37. CONTRACTOR SHALL REPLACE THE ENTIRE CONCRETE SIDEWALK PANEL WHICH IS DISTURBED AS PART OF THE WORK. LIMITS OF THE NEW SIDEWALK REPLACEMENT SHALL BE AT THE EXISTING CONTROL JOINTS OR AS DIRECTED BY THE ENGINEER.
38. ALL EXISTING PIPE, HYDRANTS, VALVES AND OTHER WATER MAIN APPURTENANCES REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE PROMPTLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. AT NO TIME IS ANY SCRAP OR OTHER DEBRIS TO BE LEFT ON SITE OVERNIGHT.
39. THE USE OF JOINT RESTRAINT SYSTEMS AND LEVELING BLOCKS IS REQUIRED ON ALL FITTINGS, VALVES, AND HYDRANTS.
40. ALL TESTING OF WATER MAINS FOR PROPER DISINFECTION SHALL BE 24 HRS IN ADVANCE. THE DISINFECTION SHALL BE PERFORMED BY THE CONTRACTOR TO THE PWSB SPECIFICATIONS. ALL NEW SIDE LINE WORK THAT WOULD NOT BE DISINFECTED DURING THIS PROCESS OR WOULD BE OPENED TO THE SYSTEM UPON COMPLETION, SHALL BE HAND SWABBED WITH A CHLORINE SOLUTION. THIS WORK IS TO BE PERFORMED UNDER STRICT CONFORMANCE WITH THE PWSB TESTING AND CHLORINATION PROCEDURE. ALL COORDINATION WITH PWSB LABORATORY IS THROUGH THE ENGINEER.
41. THE CONTRACTOR SHALL PROVIDE THE PWSB WITH A CCTV DIGITAL VIDEO RECORDING ON A CD/DVD OF ALL SECTIONS OF CLEANED AND LINED MAIN PRIOR TO PIPE CLOSURE, SEE SECTION 02700 OF THE CONTRACT SPECIFICATIONS.
42. THE CONTRACTOR SHALL USE AIR TO BLOW BACK SERVICES AFTER CEMENT LINING. ANY PLUGGED CORPS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
43. IF, IN THE EVENT AN EXISTING HYDRANT THAT IS DESIGNATED TO BE REINSTALLED (RESET) WOULD BE IN NEED OF AN EXTENSION (FLANGE NUTS BELOW GRADE), THE PROPER BARREL EXTENSION WILL BE PROVIDED BY THE PWSB AND IS TO BE PROPERLY INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
44. NO EXCAVATION WORK WITHIN THE CITY/TOWN RIGHT-OF-WAY SHALL BE PERMITTED DURING THE PERIOD BETWEEN DECEMBER 1 AND APRIL 1. (RIDOT WINTER SHUTDOWN DATES MAY DIFFER SLIGHTLY).
45. IF THE CONTRACTOR DEEMS IT NECESSARY TO "DROP" METERS, HE SHALL MAKE ARRANGEMENTS TO HAVE PWSB METER DEPARTMENT PRESENT WHEN METERS ARE REINSTALLED FOR INSPECTION/RESEALING. ARRANGEMENTS ARE TO BE MADE WITH THE METER DEPARTMENT SUPERVISOR AT LEAST 24 HOURS IN ADVANCE. NO METERS ARE TO BE REINSTALLED WITHOUT THE PRESENCE OF A PWSB METER DEPARTMENT OFFICIAL.
46. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AS SPECIFIED IN THE CONTRACT DOCUMENTS AND AS DETAILED ON SHEET 34

PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
GENERAL NOTES	
APRIL 2024	SCALE: N.T.S.



R&D EXISTING 6" TEE
6" GATE VALVE
6" CI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCERS (2)
NEW 8" CAP
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLINGS (2)

R&D EXISTING 6" GATE VALVE
6" CI/DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 8" CAP
NEW 8" GATE VALVE
NEW 8" DI PIPE
RESET HYDRANT

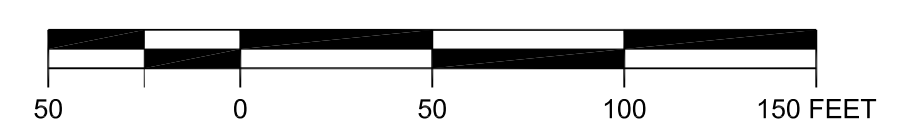
R&D EXISTING 6" 11.25" BEND
6" GATE VALVE
6" CI/DI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 8" CAP
NEW 8" GATE VALVES (2)
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING

R&D EXISTING 6" 11.25" BEND
6" GATE VALVE
6" CI/DI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 8" CAP
NEW 8" GATE VALVES (2)
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING

R&D EXISTING 6" GATE VALVE
6" CI/DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 8" CAP
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

R&D EXISTING 6" x 6" CROSS
8" DI PIPE
F&I NEW 8" TEE
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 12" x 8" TEE
8" x 6" CROSS
8" GATE VALVES (2)
6" CI PIPE
8" CI PIPE
12" CI PIPE
F&I NEW 12" x 8" ANCHOR TEE
NEW 8" CROSS
NEW 8" CAPS (2)
NEW 8" GATE VALVES (4)
NEW 8" DI PIPE
NEW 12" DI PIPE
NEW 8" COUPLING
NEW 12" COUPLINGS (2)



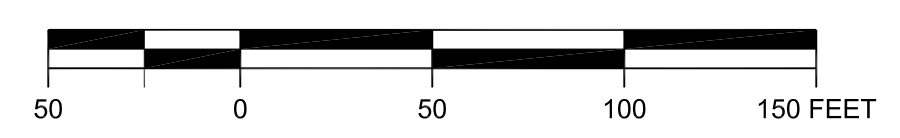
PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
BENEFIT ST
EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'



MATCHLINE SHEET 3

MATCHLINE SHEET 6

PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
BENEFIT ST
EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'



THE CURB STOP IS KNOWN BUT WHERE THE SERVICE IS AT THE MAIN IS AN ESTIMATE

R&D EXISTING 6" C/DI PIPE
F&I NEW 8" TEE
NEW 8" 11.25" BEND
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE

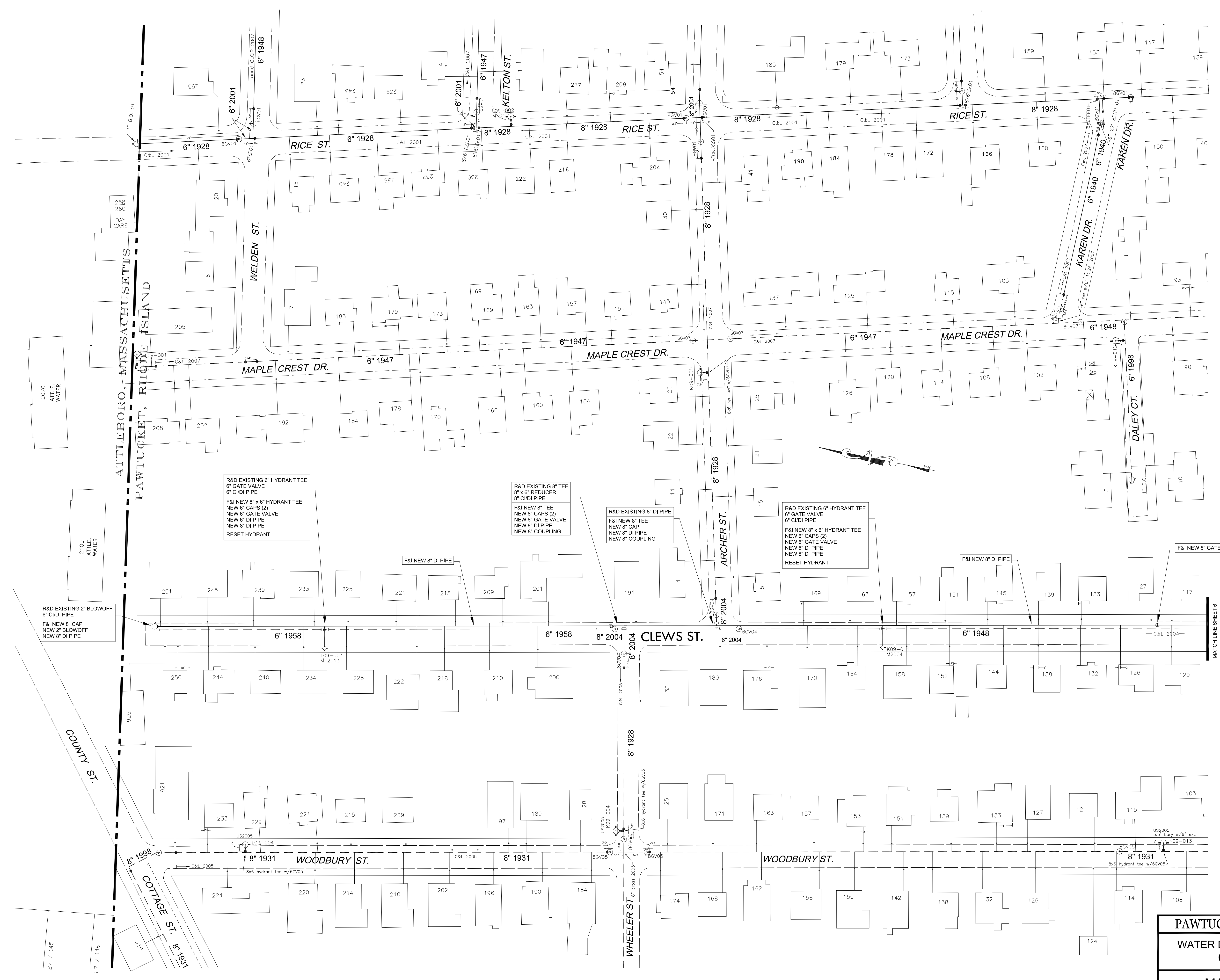
R&D EXISTING 6" GATE VALVE
6" C/DI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 8" CAP
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 6" COUPLING

R&D EXISTING 6" TEE
6" C/DI PIPE
6" COUPLING
F&I NEW 8" x 6" TEE
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 10" x 8" TEE
8" CROSS
8" 45" BEND
8" GATE VALVE
8" C/DI PIPE
8" COUPLING
F&I NEW 10" x 8" ANCHOR TEE
NEW 8" TEES (2)
NEW 8" 45" BEND
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" COUPLING
NEW 10" COUPLINGS (2)

R&D EXISTING 8" TEE
8" x 6" REDUCER
8" GATE VALVE
8" C/DI PIPE
6" COUPLING
F&I NEW 8" ANCHOR TEE
NEW 8" x 6" REDUCER
NEW 8" GATE VALVES (2)
NEW 8" DI PIPE
NEW 8" COUPLING
NEW 8" COUPLING

6" TEE AND 11" BEND 2016
BEND ON EXIST. 2008 DI.
2" BEND TO TEE.



R&D EXISTING 2" BLOWOFF
5' C/DI PIPE
F&I NEW 8" CAP
NEW 2" BLOWOFF
NEW 8" DI PIPE

R&D EXISTING 6" HYDRANT TEE
6" GATE VALVE
6" C/DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 6" CAPS (2)
NEW 6" GATE VALVE
NEW 8" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

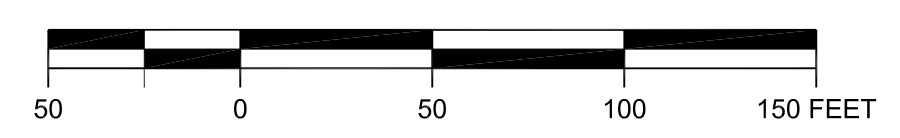
R&D EXISTING 8" TEE
8" x 6" REDUCER
8" C/DI PIPE
F&I NEW 8" TEE
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" DI PIPE
F&I NEW 8" TEE
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 6" HYDRANT TEE
6" GATE VALVE
6" C/DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 6" CAPS (2)
NEW 6" GATE VALVE
NEW 8" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

F&I NEW 8" GATE VALVE

PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
CLEWS ST
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'



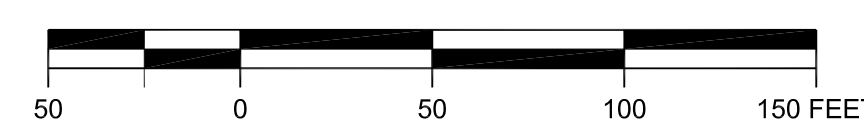


R&D EXISTING 6" HYDRANT TEE
 6" GATE VALVE
 6" CI/DI PIPE
 F&I NEW 8" x 6" HYDRANT TEE
 NEW 6" CAPS (2)
 NEW 6" GATE VALVE
 NEW 6" DI PIPE
 NEW 6" DI PIPE
 RESET HYDRANT

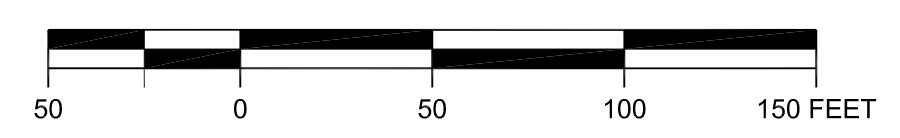
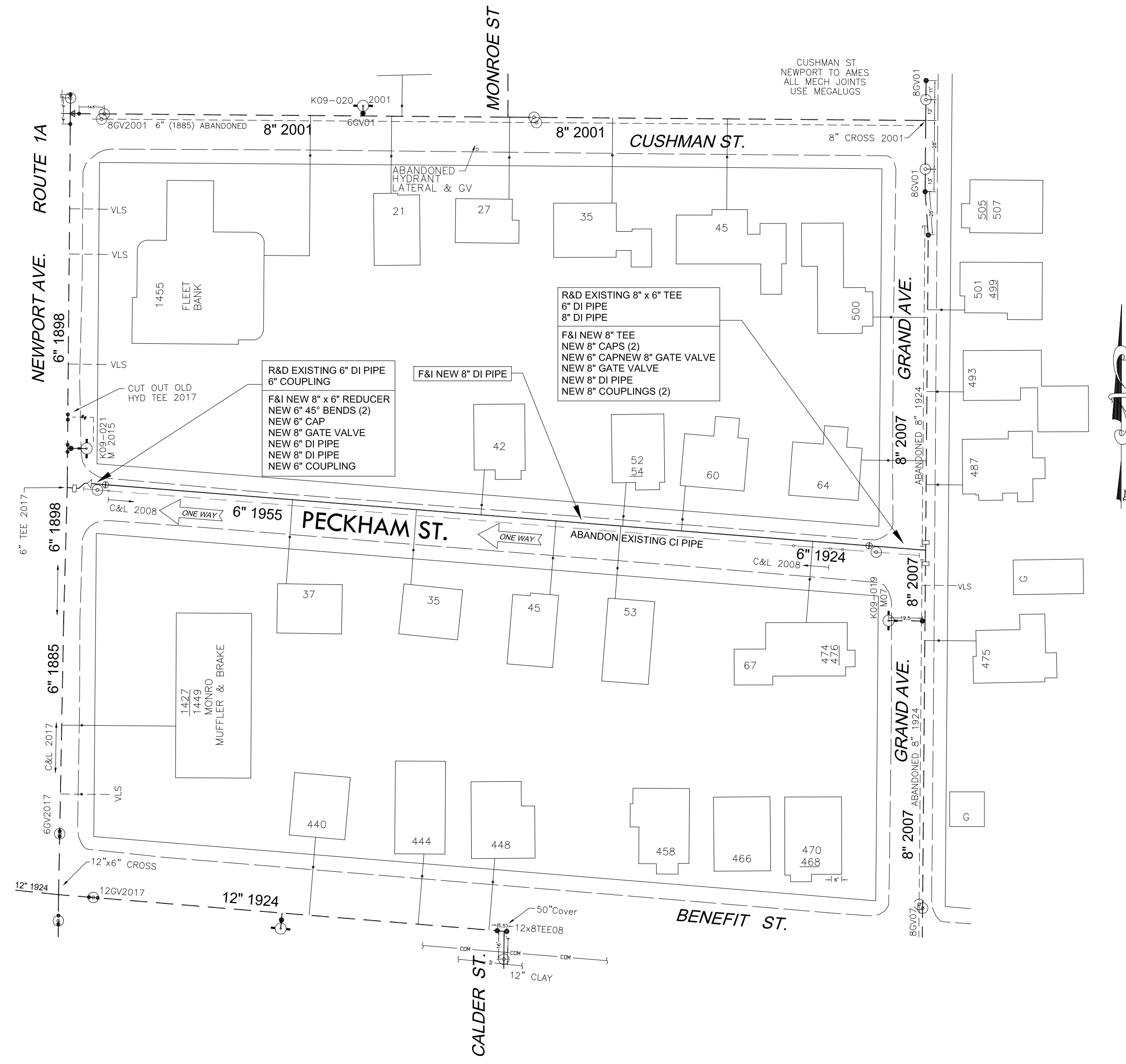
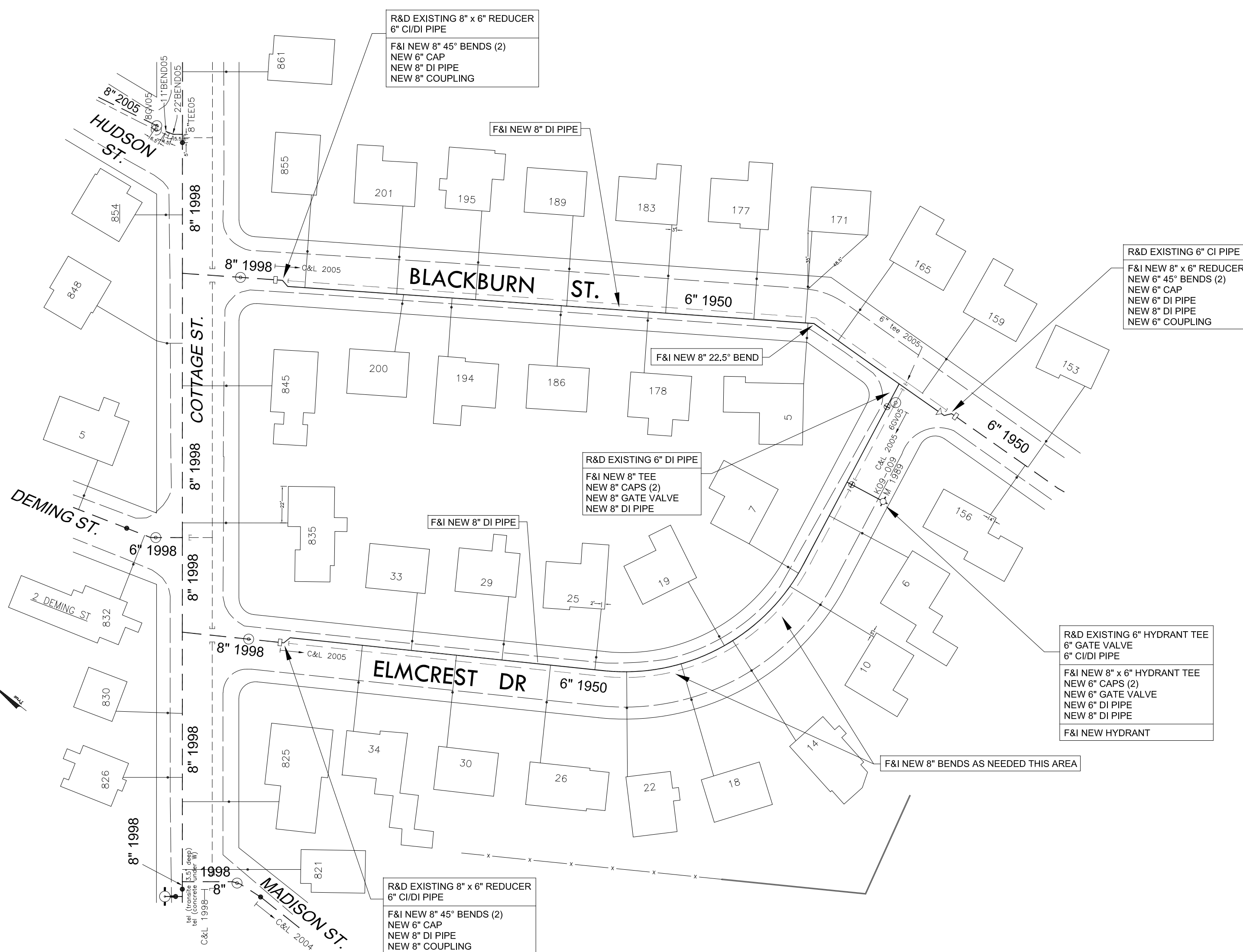
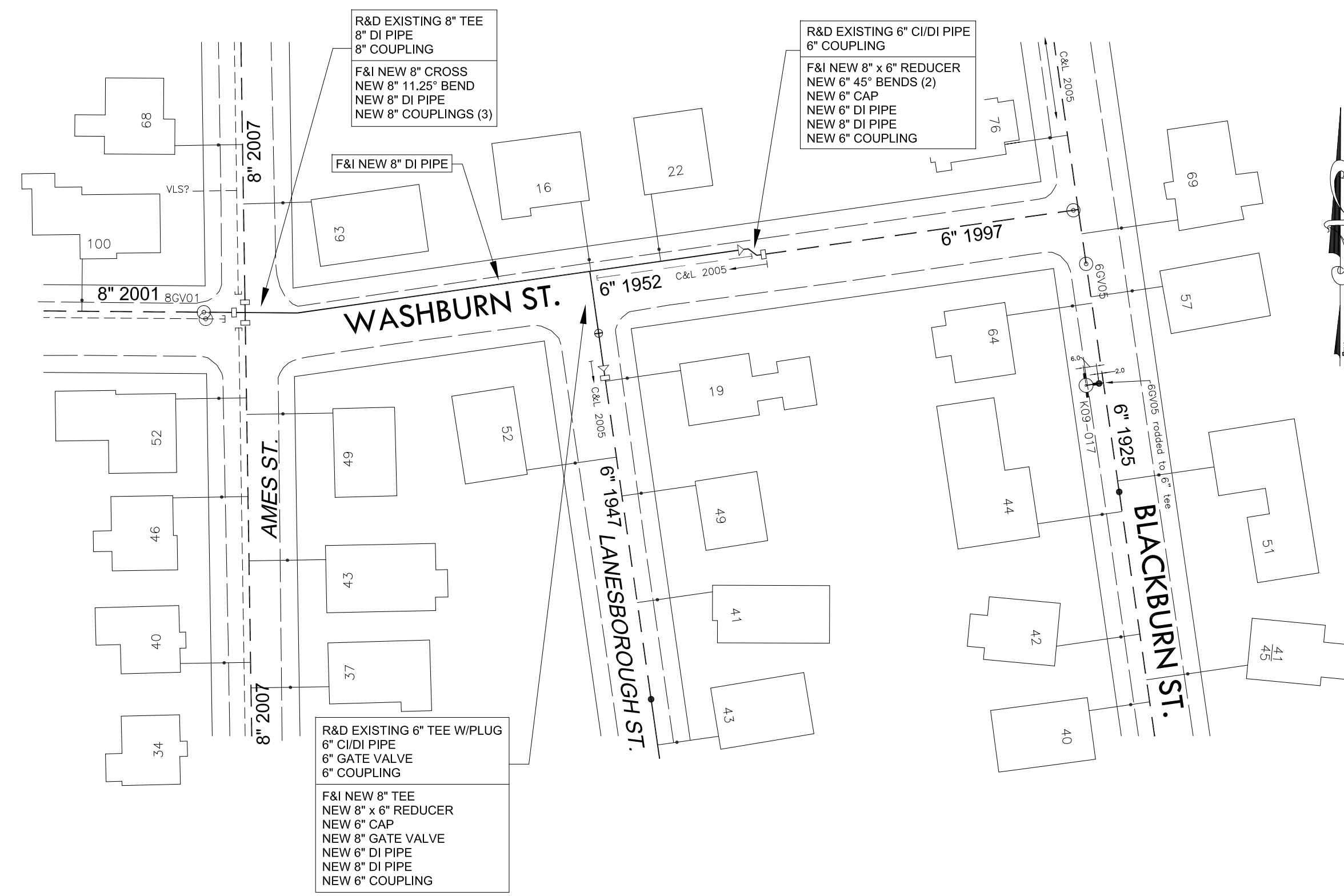
R&D EXISTING 8" TEE
 8" x 6" REDUCER
 8" CI/DI PIPE
 F&I NEW 8" TEE
 NEW 8" CAPS (2)
 NEW 8" GATE VALVE
 NEW 8" DI PIPE
 NEW 8" COUPLING

R&D EXISTING 6" DI PIPE
 F&I NEW 8" TEE
 NEW 8" CAP
 NEW 8" DI PIPE
 NEW 8" COUPLING

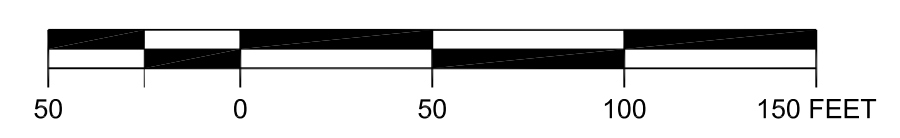
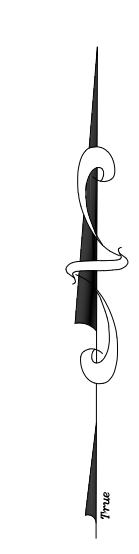
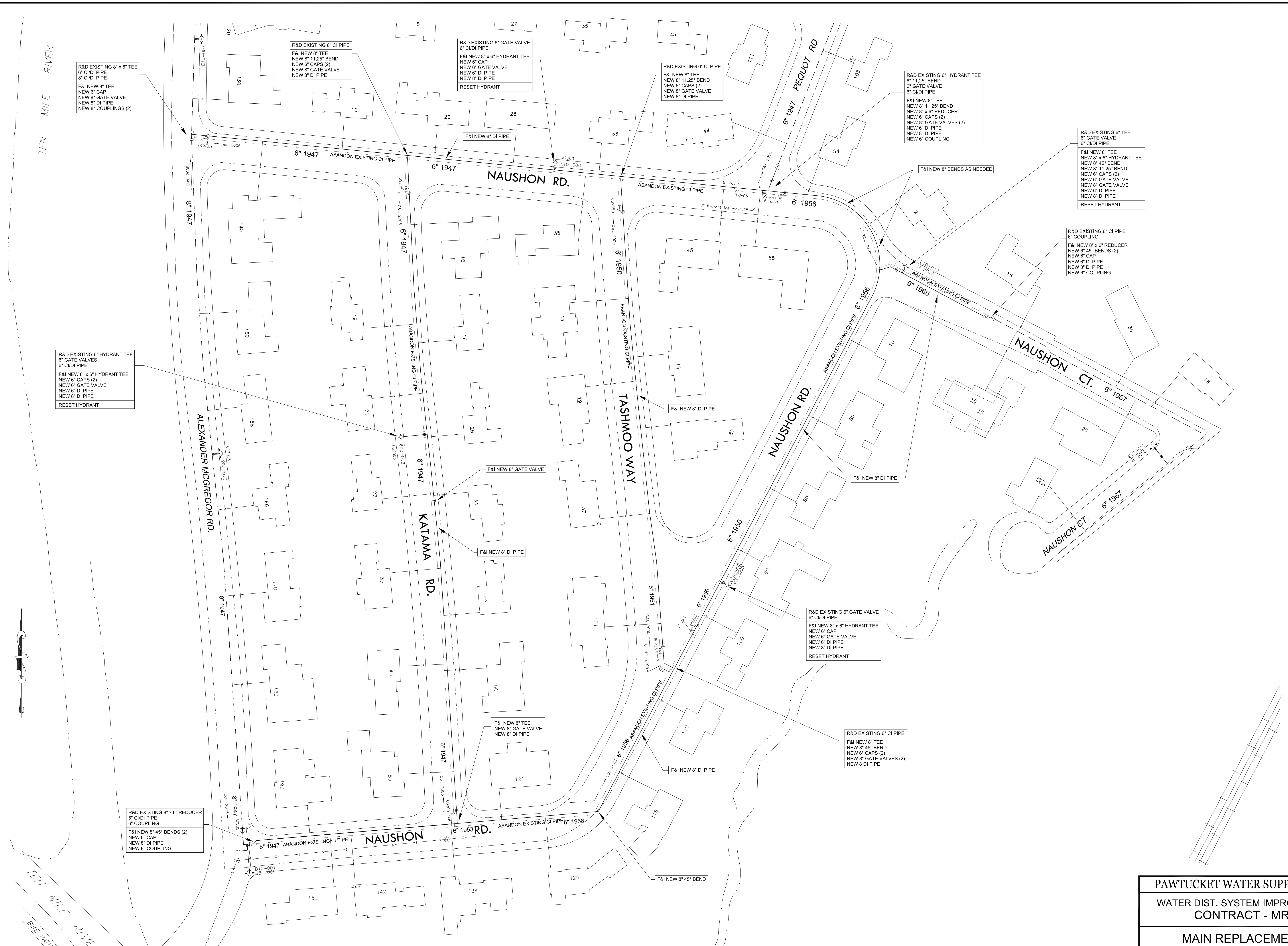
R&D EXISTING 6" DI PIPE
 F&I NEW 8" x 6" TEE
 NEW 6" CAP
 NEW 6" DI PIPE
 NEW 6" COUPLING



PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14
MAIN REPLACEMENT
CLEWS ST
EXISTING CONDITIONS CORRECT TO: MARCH 2022
SCALE: 1"=50'

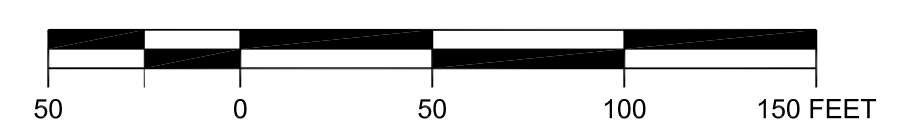
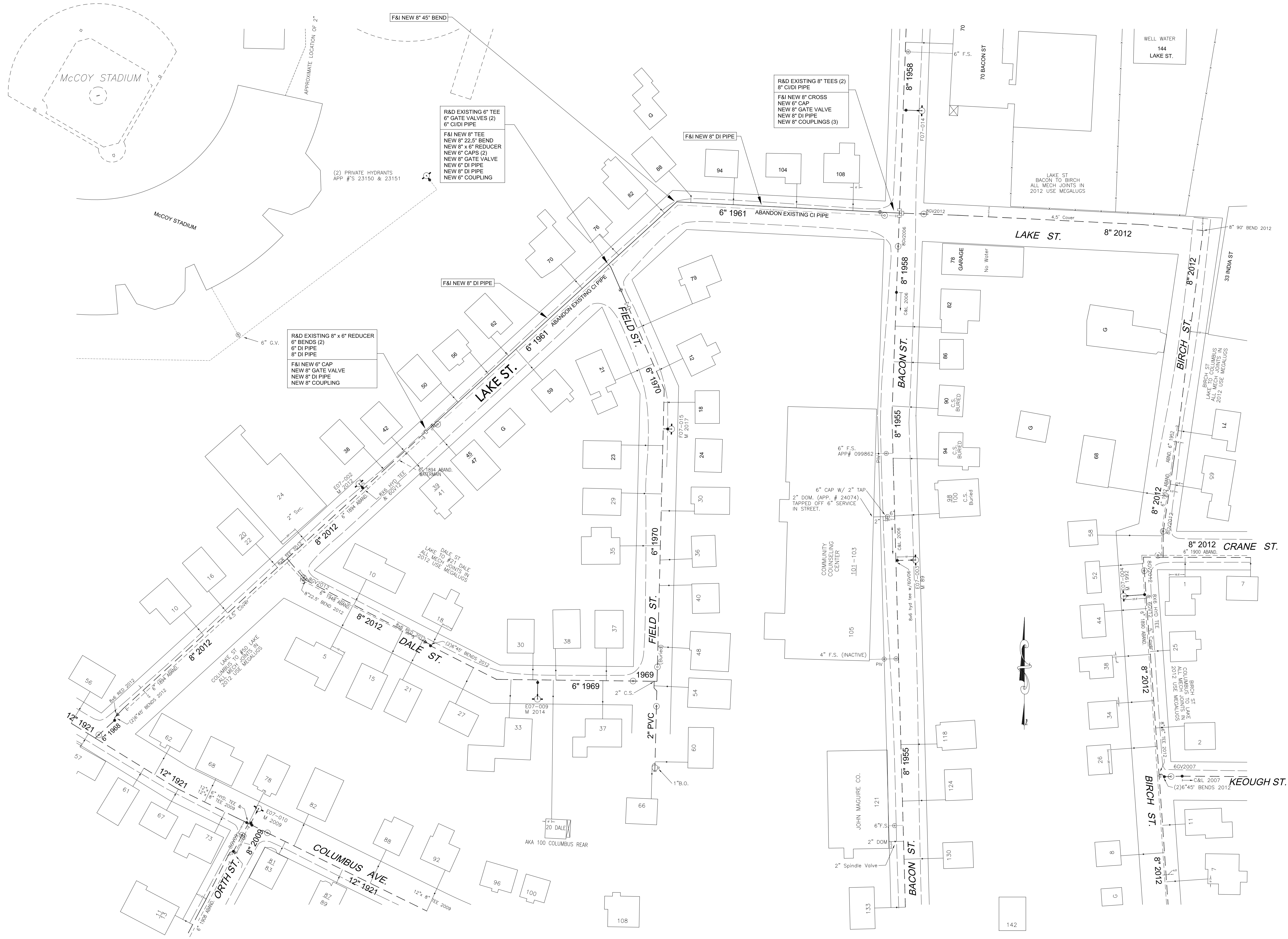


PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
BLACKBURN ST; ELMCREST DR; PECKHAM ST; WASHBURN ST	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'



8

PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
KATAMA RD; NAUSHON RD; TASHMOO WAY	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'



PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14
MAIN REPLACEMENT
LAKE ST
EXISTING CONDITIONS CORRECT TO: MARCH 2022
SCALE: 1"=50'



NOTES:
 8" REDUCES TO 6" INSIDE FOR F.S.
 4" DOM SERV TEES, OFF F.S. WITH
 APP'S C13353 & 113353

R&D EXISTING 8" x 6" TEE
 6" CI/DI PIPE
 8" CI/DI PIPE
 F&I NEW 8" x 6" HYDRANT TEE
 NEW 8" CAPS (2)
 NEW 6" GATE VALVE
 NEW 6" DI PIPE
 NEW 8" SI PIPE
 NEW 6" COUPLING

R&D EXISTING 12" x 10" REDUCER
 10" CI/DI PIPE
 F&I NEW 12" x 8" REDUCER
 NEW 8" 45° BENDS (2)
 NEW 8" GATE VALVE
 NEW 8" DI PIPE
 NEW 12" DI PIPE
 NEW 12" COUPLING

R&D EXISTING 10" x 8" REDUCER
 8" x 6" TEE
 6" CI PIPE
 10" CI PIPE
 F&I NEW 8" TEE
 NEW 6" CAP
 NEW 10" CAPS (2)
 NEW 6" GATE VALVE
 NEW 8" GATE VALVES (2)
 NEW 8" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLING

R&D EXISTING 8" 22.5" BEND
 8" CI/DI PIPE
 F&I NEW 8" TEE
 NEW 8" 22.5" BEND
 NEW 8" DI PIPE
 NEW 8" COUPLING

R&D EXISTING 8" TEE
 8" 11.25" BEND
 8" CI/DI PIPE
 F&I 8" TEE
 NEW 8" 11.25" BEND
 NEW 6" CAP
 NEW 8" GATE VALVE
 NEW 8" DI PIPE
 NEW 8" COUPLING

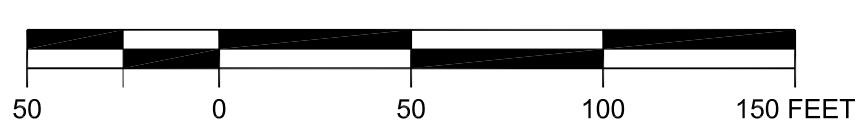
R&D 6" CI/DI PIPE
 6" GATE VALVE
 F&I 8" x 6" HYDRANT TEE
 NEW 6" CAP
 NEW 6" GATE VALVE
 NEW 8" DI PIPE
 NEW 8" DI PIPE
 F&I NEW HYDRANT

R&D EXISTING 6" CI/DI PIPE
 F&I NEW 8" x 6" TEE
 NEW 6" CAP
 NEW 6" GATE VALVE
 NEW 8" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLING

R&D EXISTING 10" x 8" TEE
 10" x 6" TEE
 6" GATE VALVES (2)
 8" GATE VALVE
 6" CI/DI PIPE
 8" CI/DI PIPE
 10" CI PIPE
 F&I NEW 8" ANCHOR TEE
 NEW 8" x 6" HYDRANT TEES (2)
 NEW 6" CAP
 NEW 10" CAPS (4)
 NEW 8" GATE VALVES (2)
 NEW 8" GATE VALVE
 8" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLING
 NEW 8" COUPLING
 F&I NEW HYDRANT

R&D EXISTING 8" TEE
 8" CI/DI PIPE
 F&I NEW 8" TEE
 NEW 8" CAPS (2)
 NEW 8" GATE VALVE
 8" DI PIPE
 NEW 8" COUPLING

R&D EXISTING 6" CI PIPE
 8" CI/DI PIPE
 6" GATE VALVE
 F&I NEW 8" x 6" HYDRANT TEE
 NEW 8" 45° BENDS (2)
 NEW 6" CAP
 NEW 6" GATE VALVE
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 NEW 8" COUPLING
 RESET HYDRANT



PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
MAIN ST; MOSHASSUCK ST
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'



R&D EXISTING 6" CROSS
 6" 22.5° BEND
 6" GATE VALVES (3)
 6" C/DI PIPE
 6" COUPLINGS (2)
 F&I NEW 8" TEES (2)
 NEW 8" x 6" HYDRANT TEE
 NEW 8" x 6" REDUCERS (2)
 NEW 8" 11.25° BENDS (2)
 NEW 6" CAPS (3)
 NEW 6" GATE VALVE
 NEW 8" GATE VALVES (3)
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLINGS (2)
 RESET HYDRANT

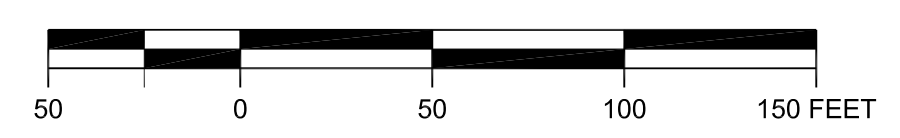
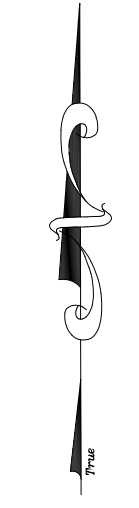
R&D EXISTING 8" x 6" REDUCER
 6" C/DI PIPE
 6" COUPLING
 F&I NEW 8" 45° BENDS (2)
 NEW 6" CAP
 NEW 8" DI PIPE
 NEW 8" COUPLING

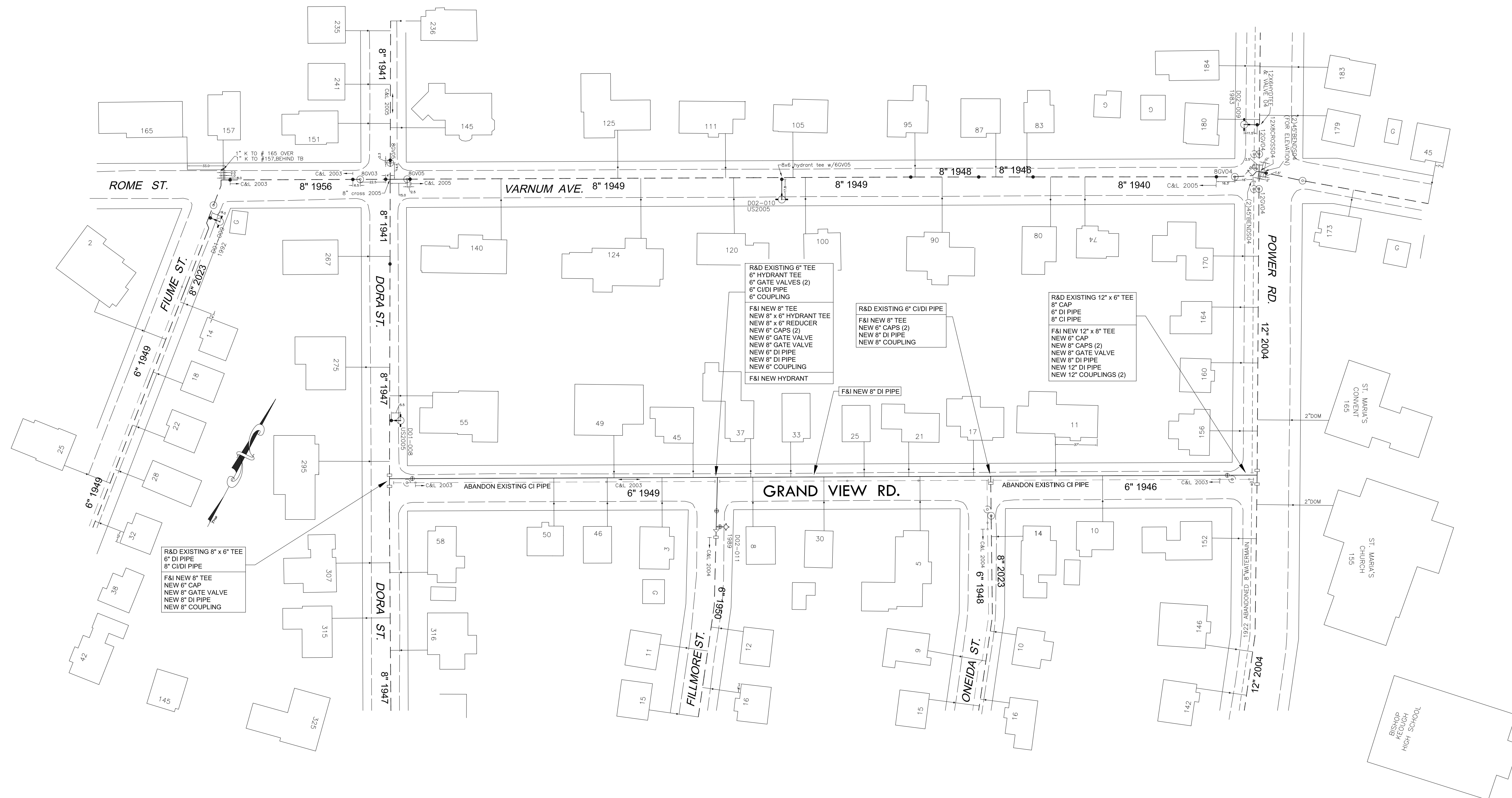
R&D EXISTING 12" x 6" TEE
 6" DI PIPE
 12" DI PIPE
 F&I NEW 12" x 6" TEE
 NEW 6" CAP
 NEW 8" GATE VALVE
 NEW 8" DI PIPE
 NEW 12" DI PIPE
 NEW 12" COUPLINGS (2)

R&D EXISTING 8" x 6" REDUCER
 6" C/DI PIPE
 6" COUPLING
 F&I NEW 8" 45° BENDS (2)
 NEW 6" CAP
 NEW 8" DI PIPE
 NEW 8" COUPLING

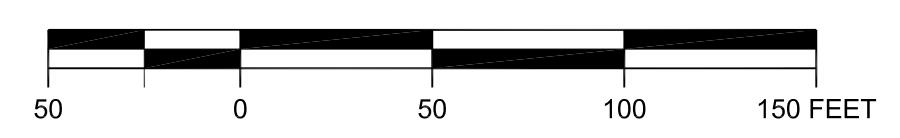
R&D EXISTING 8" x 6" REDUCER
 6" C/DI PIPE
 6" COUPLING
 F&I NEW 8" 45° BENDS (2)
 NEW 6" CAP
 NEW 8" DI PIPE
 NEW 8" COUPLING

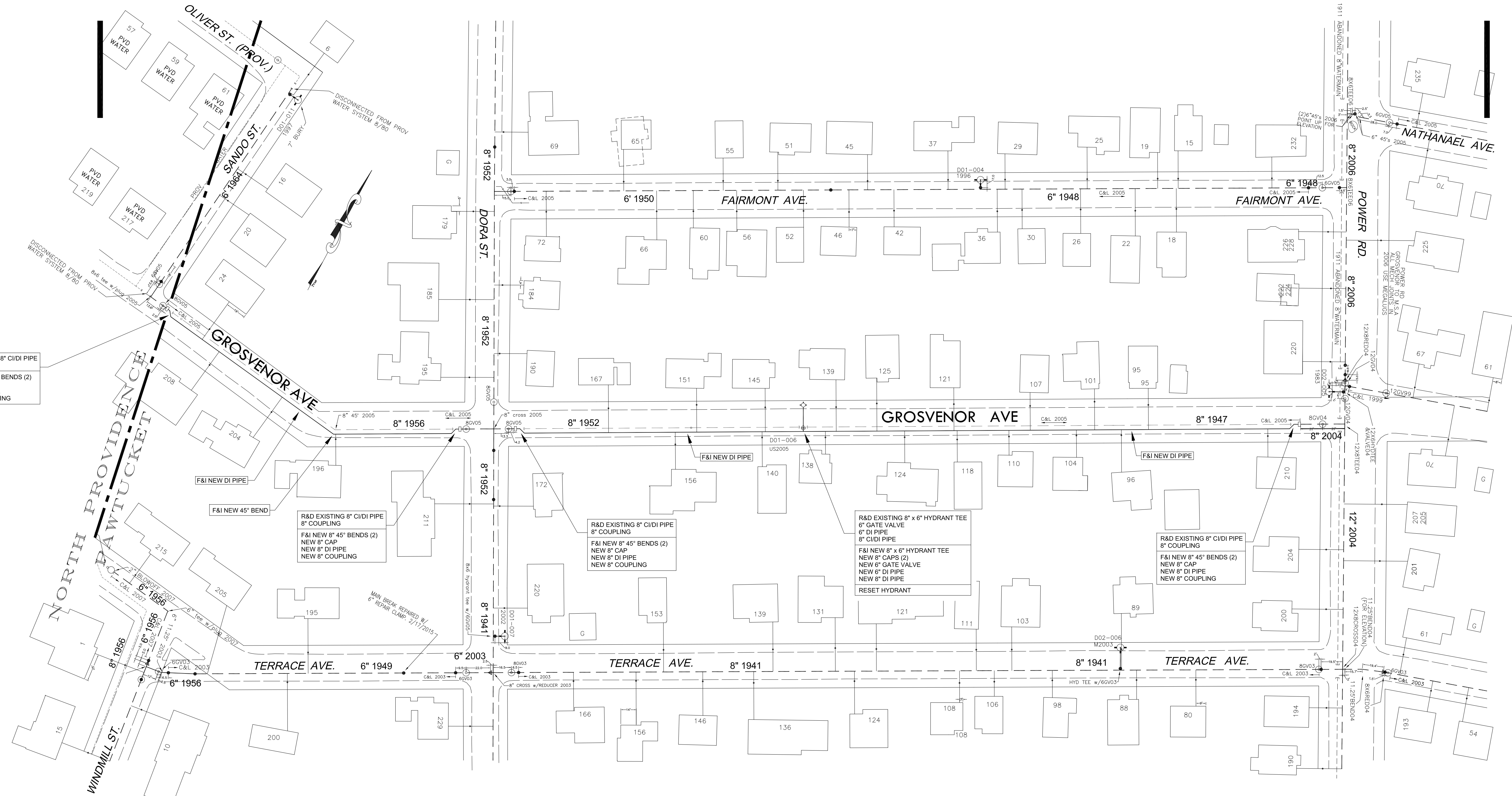
6" REPAIR CLAMP 2014
 (226' FROM G.V. AT TRIESTE ST.)





PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
GRAND VIEW RD	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'





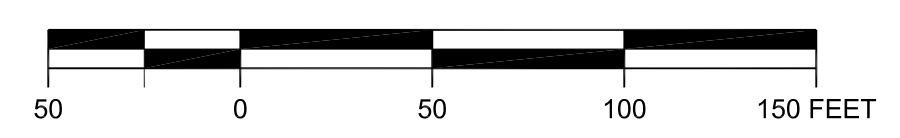
R&D EXISTING 8" C/DI PIPE
8" COUPLING
F&I NEW 8" 45' BENDS (2)
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" C/DI PIPE
8" COUPLING
F&I NEW 8" 45' BENDS (2)
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" C/DI PIPE
8" COUPLING
F&I NEW 8" 45' BENDS (2)
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" x 6" HYDRANT TEE
8" GATE VALVE
8" DI PIPE
8" C/DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

R&D EXISTING 8" C/DI PIPE
8" COUPLING
F&I NEW 8" 45' BENDS (2)
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING



PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
GROSVENOR AVE	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'



R&D EXISTING 8" x 6" CROSS
6" 11.25" BENDS (2)
6" DI PIPE
8" C.I. DI PIPE

F&I NEW 8" CROSS
NEW 11.25" BENDS (2)
NEW 8" GATE VALVES (2)
NEW 8" DI PIPE
NEW 8" COUPLINGS (2)

R&D EXISTING 8" x 6" TEE WIPLUG
6" DI PIPE
8" C.I. DI PIPE

F&I NEW 8" TEE WIPLUG
NEW 8" 11.25" BEND
NEW 8" CAP
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 6" HYDRANT TEE
6" GATE VALVE
6" C.I. DI PIPE

F&I NEW 8" x 6" HYDRANT TEE
NEW 6" CAPS (2)
NEW 6" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

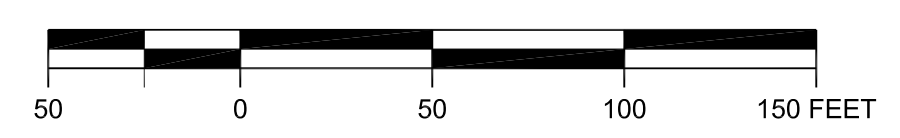
R&D EXISTING 8" x 6" TEE
8" DI PIPE
8" DI PIPE

F&I NEW 8" TEE
NEW 8" 11.25" BEND
NEW 8" CAP
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLINGS (2)

NO CONNECTION 6" OVER 24"
SEE CL-6 AS-BUILT
FOR DETAILS THIS INTERSECTION

REMOVED EXIST. 8" G.V.
INSTALLED (2) 8" CAPS
8" NOW DEAD, 7/13/2011

PAWTUCKET WATER SUPPLY BOARD
 WATER DIST. SYSTEM IMPROVEMENTS
 CONTRACT - MR14
 MAIN REPLACEMENT
 PRENTICE AVE
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'





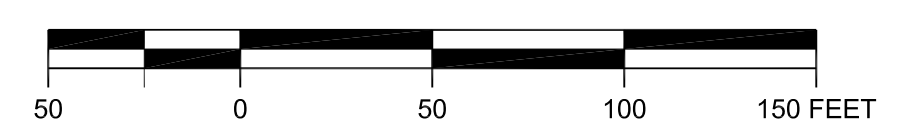
R&D EXISTING 8" x 6" REDUCER
6" GATE VALVE
8" C/DI PIPE

F&I NEW 8" 45° BENDS (2)
NEW 6" CAP
NEW 6" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" x 6" REDUCER
6" 11.25° BEND
6" C/DI PIPE
F&I NEW 8" TEE
NEW 8" 11.25° BEND
NEW 6" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" x 6" CROSS
8" 11.25° BEND
6" C/DI PIPE
8" COUPLING
F&I NEW 8" CROSS
NEW 8" 11.25° BEND
NEW 6" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLINGS (2)

F&I NEW 8" DI PIPE



PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
CENTRAL AVE	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'



R&D EXISTING 6" GATE VALVE
6" CIDI PIPE
6" COUPLING

F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 6" CAP
NEW 8" GATE VALVES (2)
NEW 6" DI PIPE
NEW 6" DI PIPE
NEW 6" COUPLING

R&D EXISTING 8" x 6" REDUCER
6" DI PIPE

F&I NEW 8" TEE
NEW 6" CAP
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" x 6" REDUCER
6" DI PIPE

F&I NEW 8" TEE
NEW 6" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" TEE
8" x 6" TEE
8" x 6" REDUCER
6" GATE VALVE
6" CIDI PIPE
8" DI PIPE

F&I NEW 8" TEES (2)
NEW 8" x 6" REDUCER
NEW 6" CAPS (3)
NEW 8" GATE VALVES (2)
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 8" COUPLING

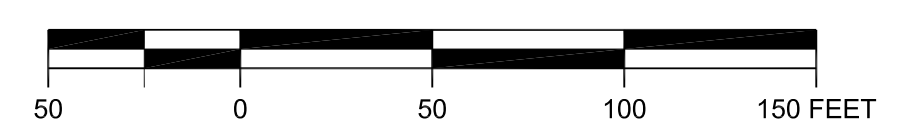
R&D EXISTING 6" 11.25" BEND
6" GATE VALVE
6" CIDI PIPE
6" COUPLINGS (2)

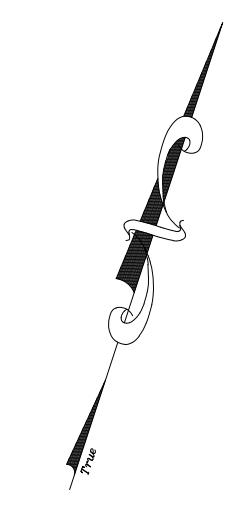
F&I NEW 8" TEE
NEW 8" 11.25" BEND
NEW 8" x 6" REDUCER
NEW 6" CAP
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING

R&D EXISTING 12" CROSS
12" x 6" REDUCER
8" TEE
6" GATE VALVE
6" CIDI PIPE
12" CIDI PIPE

F&I NEW 12" CROSS
NEW 12" x 8" REDUCER
NEW 6" TEE
NEW 6" CAPS (2)
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 12" DI PIPE
NEW 12" COUPLINGS (3)

PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14
MAIN REPLACEMENT
CENTRAL AVE
EXISTING CONDITIONS CORRECT TO: MARCH 2022
SCALE: 1"=50'





R&D EXISTING 6" TEE
 6" GATE VALVES (2)
 6" C/DI PIPE
 6" COUPLING

F&I NEW 8" TEE
 NEW 8" 11.25' BEND
 NEW 8" x 6" REDUCER
 NEW 6" CAP
 NEW 6" GATE VALVE
 NEW 8" GATE VALVES (2)
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLING

RESET HYDRANT

R&D EXISTING 6" GATE VALVE
 6" C/DI PIPE
 6" COUPLING

F&I NEW 8" TEE
 NEW 8" 11.25' BEND
 NEW 8" x 6" REDUCER
 NEW 6" CAP
 NEW 6" GATE VALVES (2)
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 NEW 6" COUPLING

R&D EXISTING 6" GATE VALVE
 6" DI PIPE

F&I NEW 8" x 6" HYDRANT TEE
 NEW 6" CAP
 NEW 6" GATE VALVE
 NEW 6" DI PIPE
 NEW 8" DI PIPE

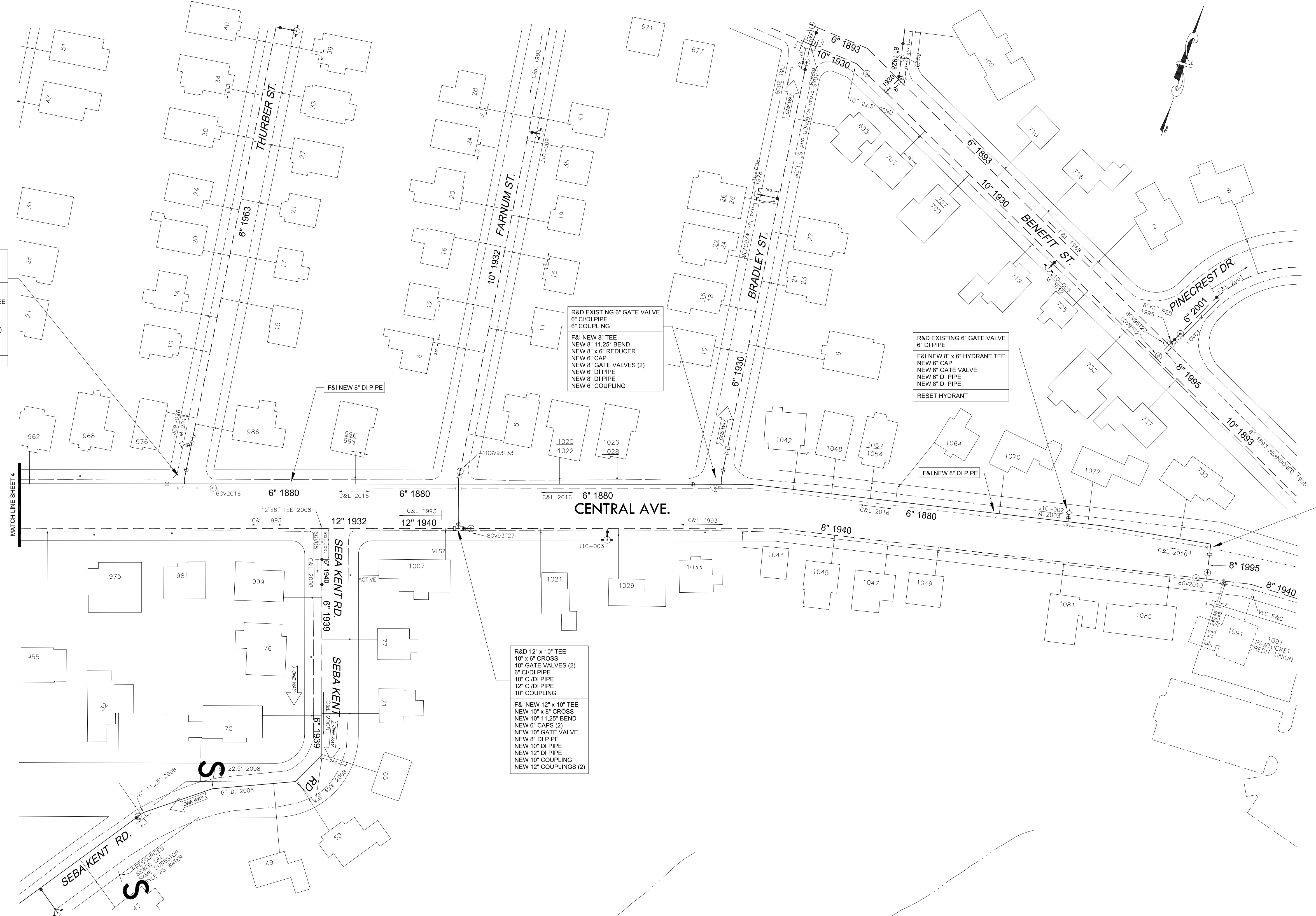
RESET HYDRANT

R&D EXISTING 6" x 6" REDUCER
 6" 90° BEND
 6" C/DI PIPE

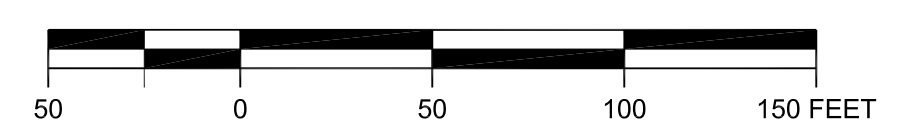
F&I NEW 8" 90° BEND
 NEW 6" CAP
 NEW 8" DI PIPE
 NEW 6" COUPLING

R&D 12" x 10" TEE
 10" x 6" CROSS
 10" GATE VALVES (2)
 10" C/DI PIPE
 10" C/DI PIPE
 12" C/DI PIPE
 10" COUPLING

F&I NEW 12" x 10" TEE
 NEW 10" x 8" CROSS
 NEW 10" 11.25' BEND
 NEW 6" CAPS (2)
 NEW 10" GATE VALVE
 NEW 8" DI PIPE
 NEW 10" DI PIPE
 NEW 12" DI PIPE
 NEW 10" COUPLING
 NEW 12" COUPLINGS (2)



PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14
MAIN REPLACEMENT
CENTRAL AVE
EXISTING CONDITIONS CORRECT TO: MARCH 2022
SCALE: 1"=50'





R&D EXISTING 6" TEE
6" C/DI PIPE
F&I NEW 8" TEE
NEW 8" x 6" REDUCERS (2)
NEW 8" CAP
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLINGS (2)

R&D EXISTING 6" GATE VALVE
6" DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 8" CAP
NEW 6" GATE VALVE
NEW 8" DI PIPE
RESET HYDRANT

R&D EXISTING 6" C/DI PIPE
F&I NEW 8" TEE
NEW 8" CAPS (2)
NEW 8" GATE VALVES (2)
NEW 8" DI PIPE

R&D EXISTING 6" TEE
6" 22.5" BEND
6" GATE VALVES (2)
6" C/DI PIPE
F&I NEW 8" TEE
NEW 8" x 6" REDUCERS (2)
NEW 8" 45" BENDS (2)
NEW 8" CAPS (2)
NEW 6" GATE VALVE
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING
RESET HYDRANT

R&D EXISTING 6" TEE
6" GATE VALVE
6" C/DI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING

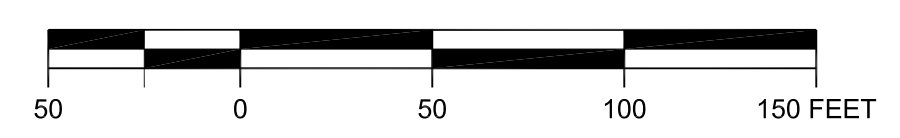
R&D EXISTING 6" GATE VALVE
6" DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 6" CAP
NEW 6" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

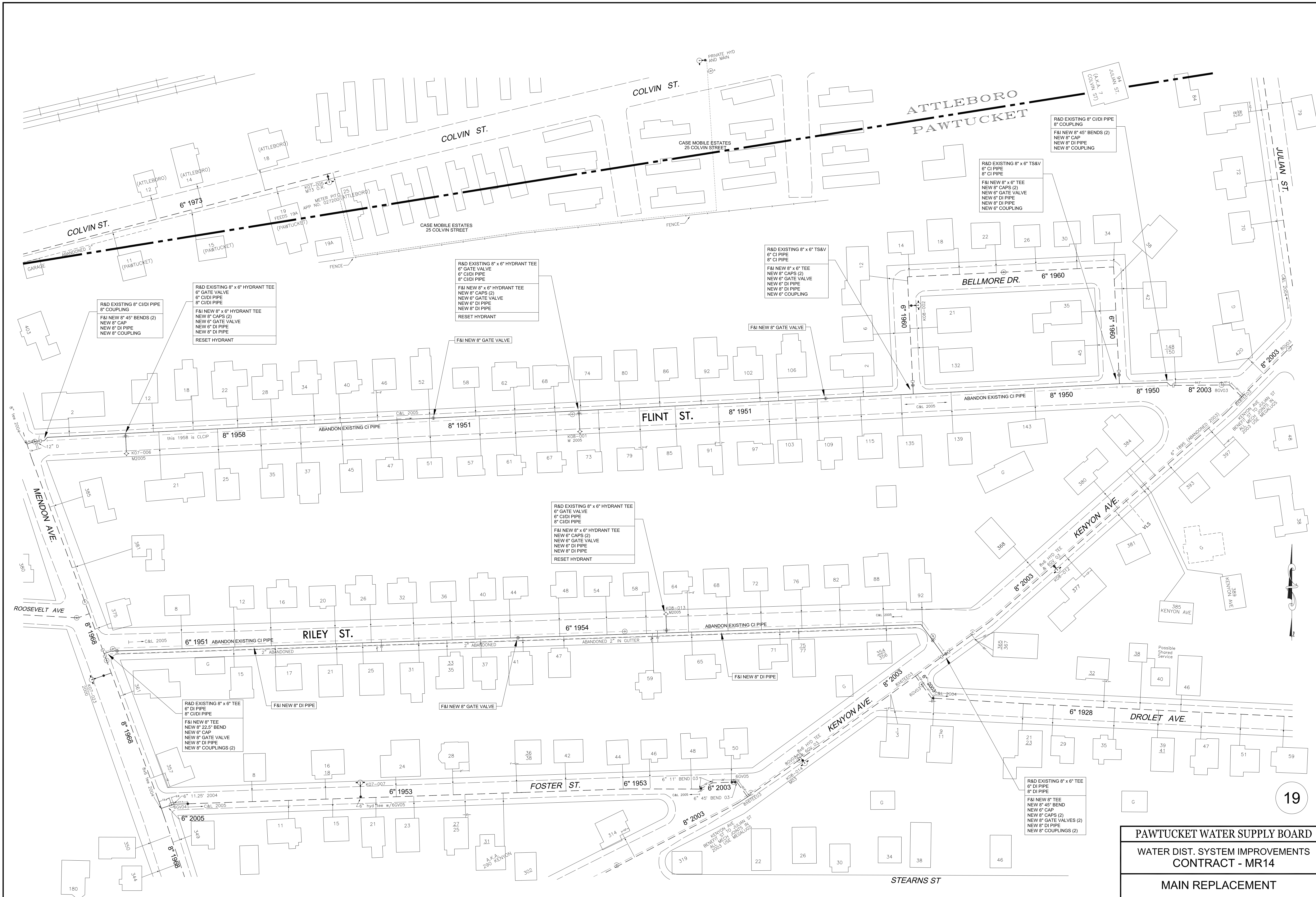
R&D EXISTING 8" TEE
6" C/DI PIPE
8" C/DI PIPE
F&I NEW 8" TEE
8" 45" BENDS (2)
NEW 8" CAPS (2)
NEW 8" GATE VALVE
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 8" CI PIPE
8" COUPLING
F&I NEW 8" 45" BENDS (2)
NEW 8" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

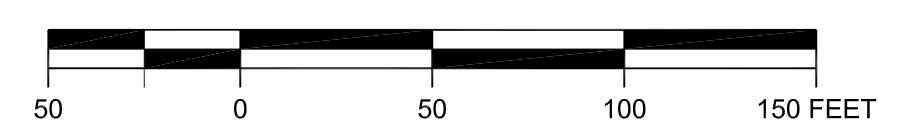


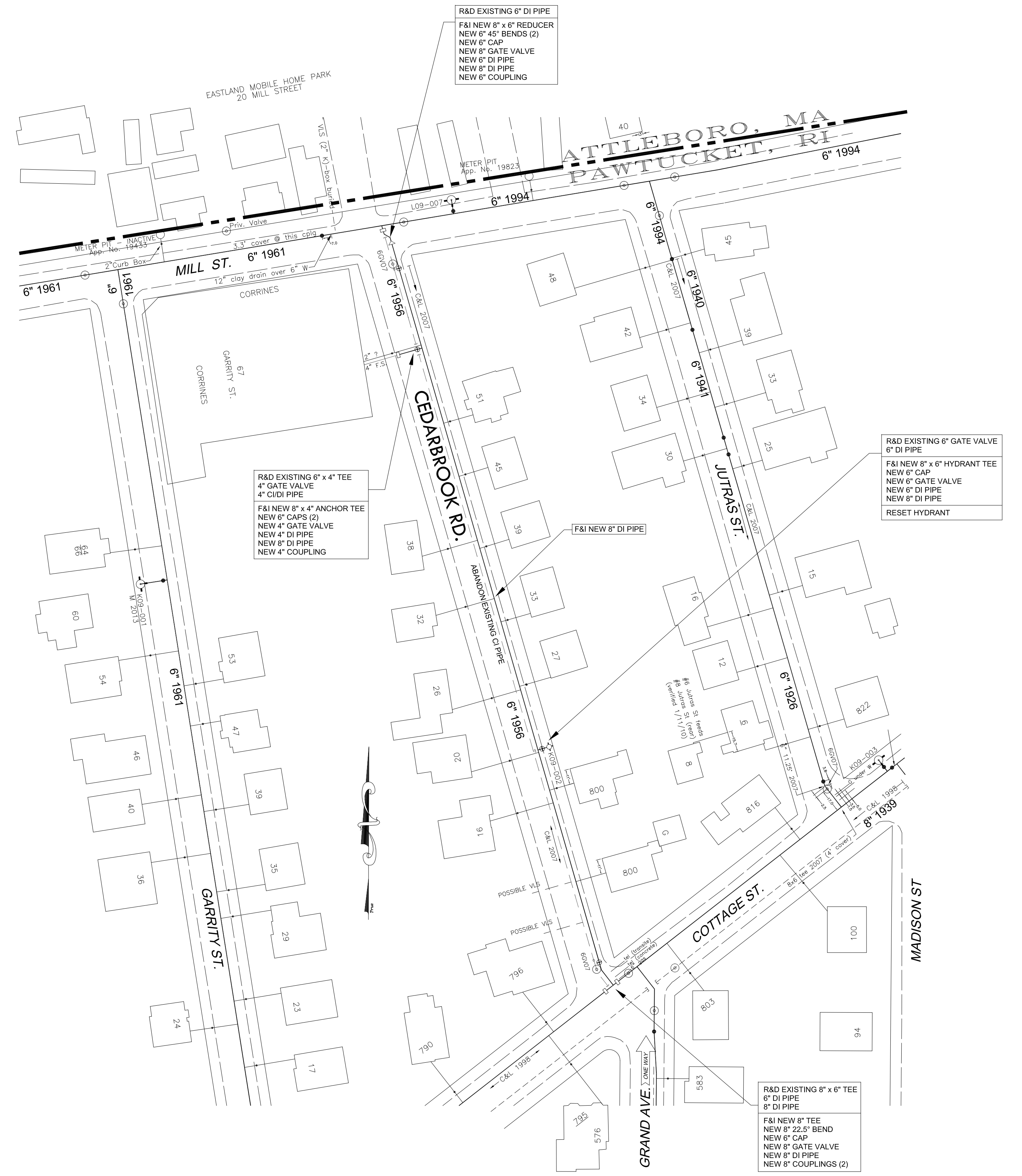
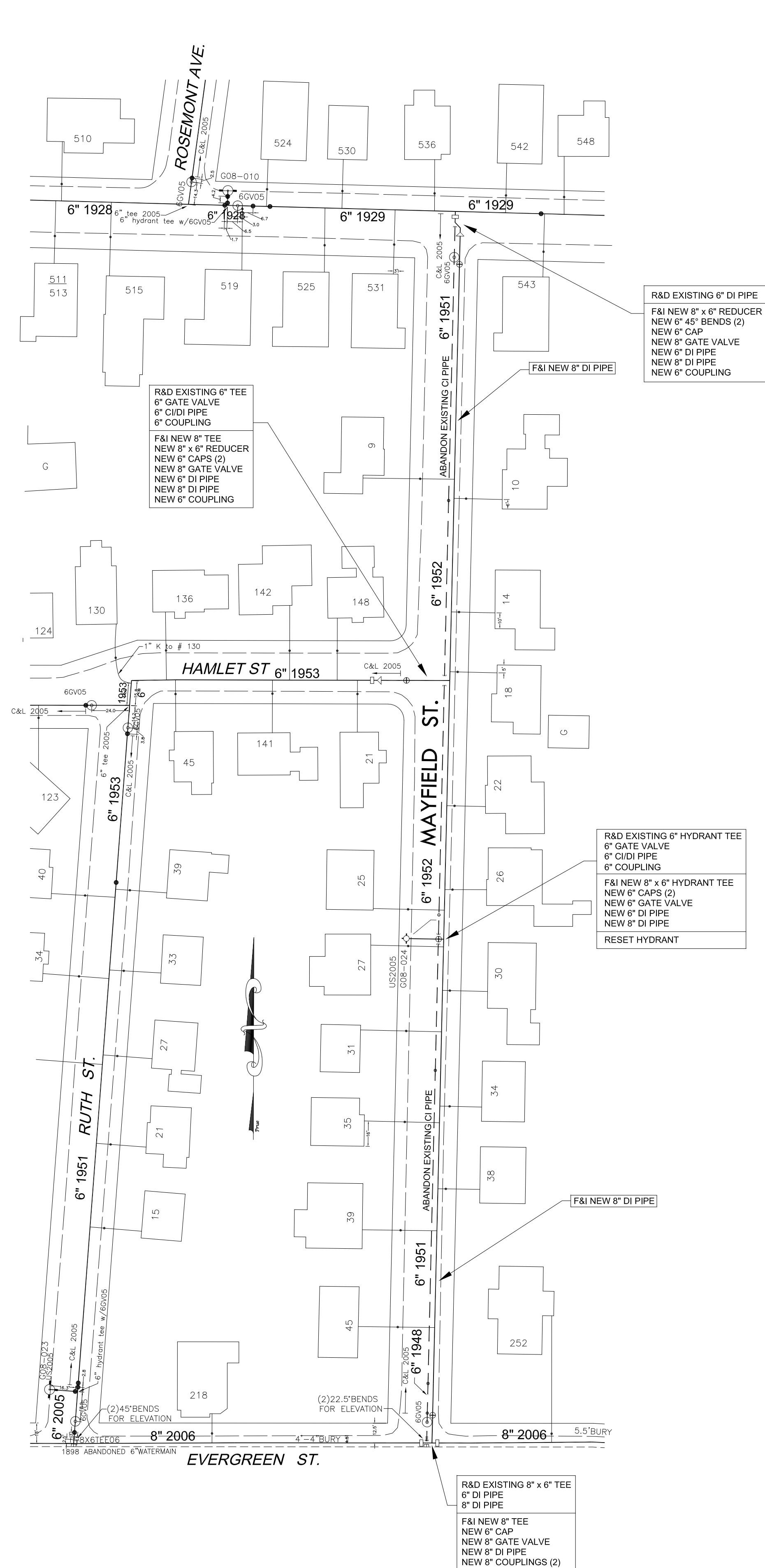
PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14
MAIN REPLACEMENT
ARCHER ST; CREST DR; REVERE ST; WELDEN ST
EXISTING CONDITIONS CORRECT TO: MARCH 2022
SCALE: 1"=50'



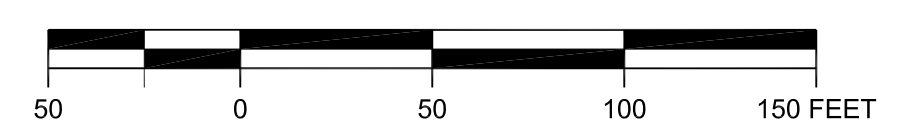


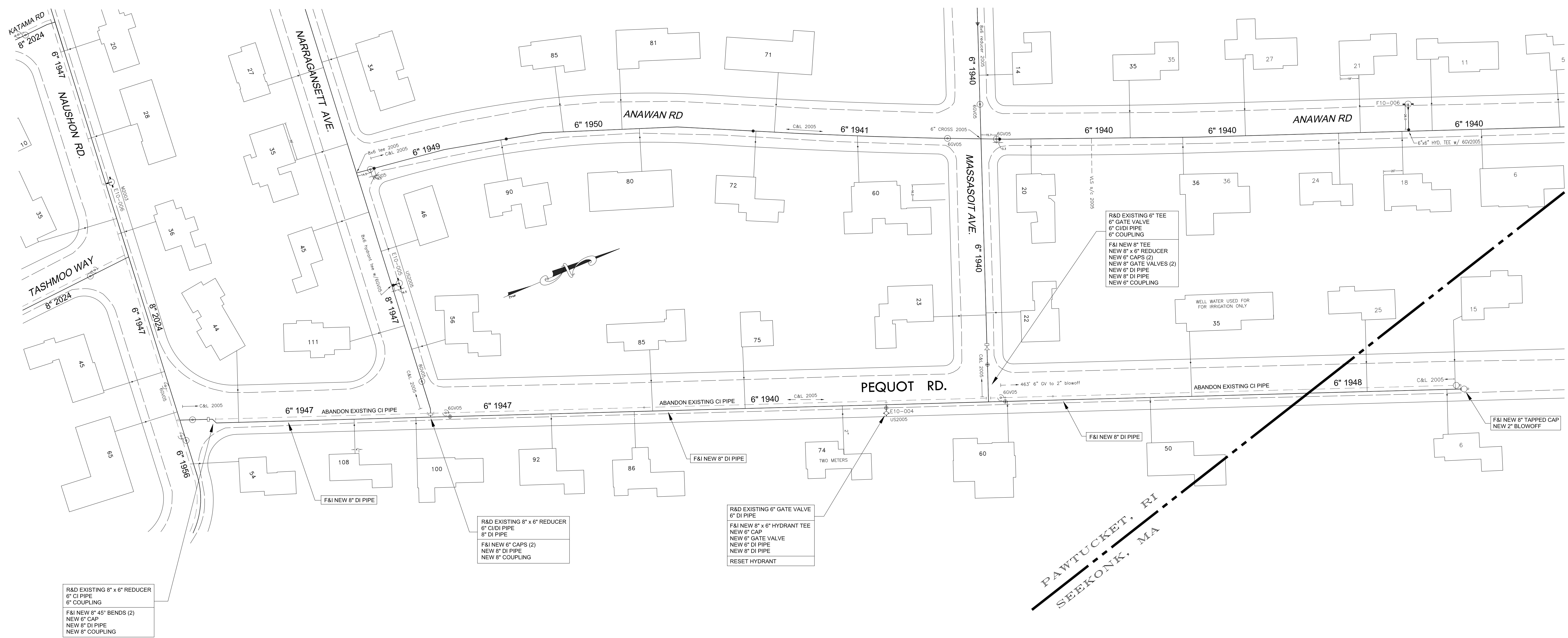
PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
FLINT ST; RILEY ST
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'





PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
CEDARBROOK RD; MAYFIELD ST	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'





R&D EXISTING 8" x 6" REDUCER
6" CI PIPE
6" COUPLING
F&I NEW 8" 45° BENDS (2)
NEW 6" CAP
NEW 8" DI PIPE
NEW 8" COUPLING

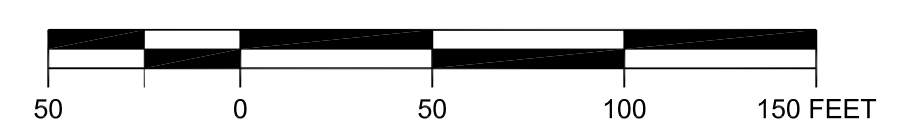
R&D EXISTING 8" x 6" REDUCER
6" CI/DI PIPE
8" DI PIPE
F&I NEW 6" CAPS (2)
NEW 8" DI PIPE
NEW 8" COUPLING

R&D EXISTING 6" GATE VALVE
8" DI PIPE
F&I NEW 8" x 6" HYDRANT TEE
NEW 6" CAP
NEW 6" GATE VALVE
NEW 6" DI PIPE
NEW 8" DI PIPE
RESET HYDRANT

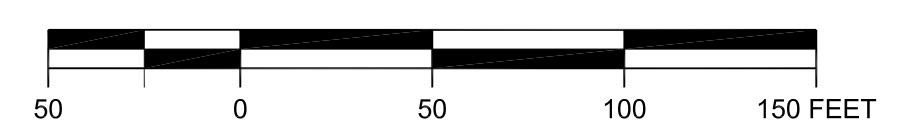
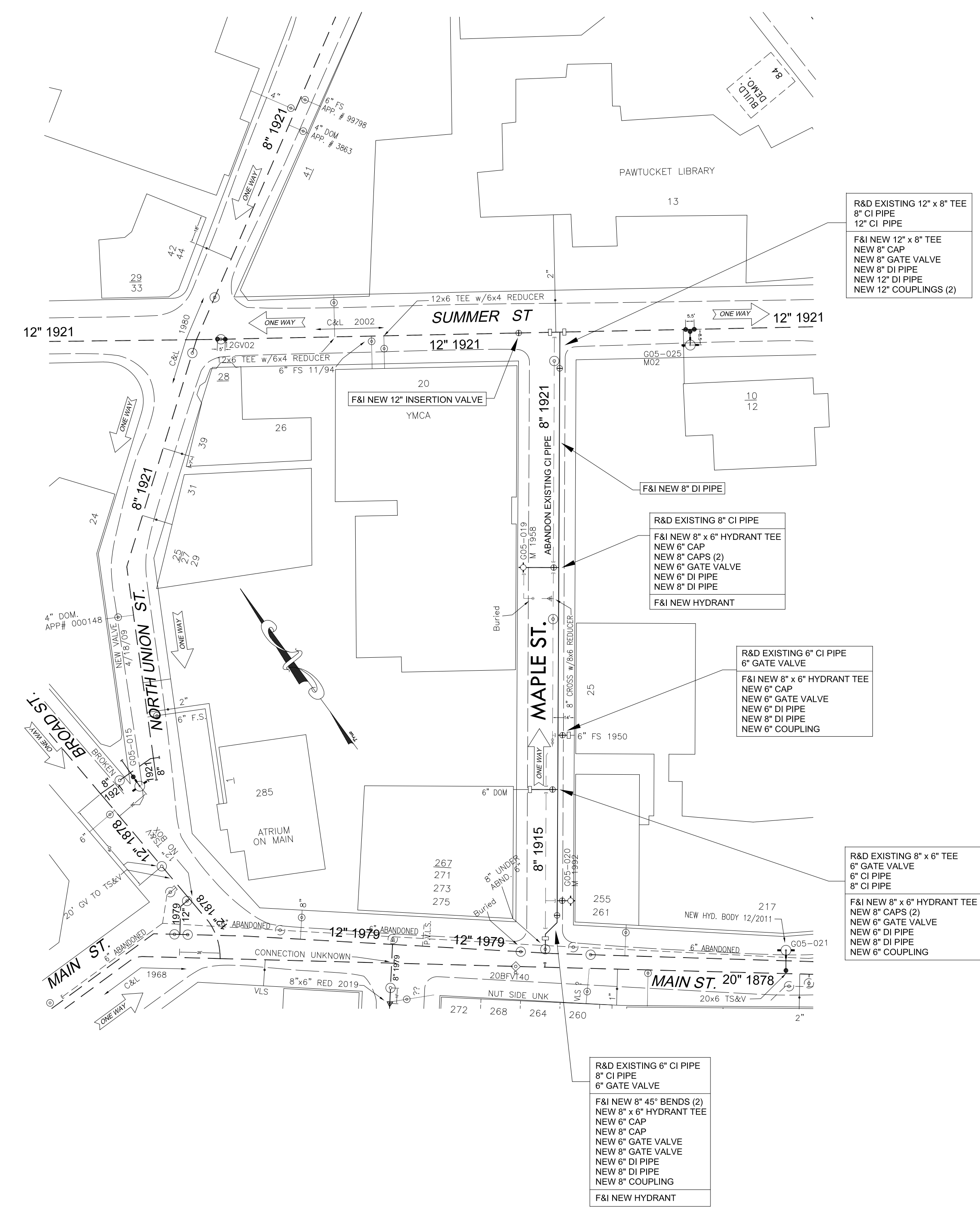
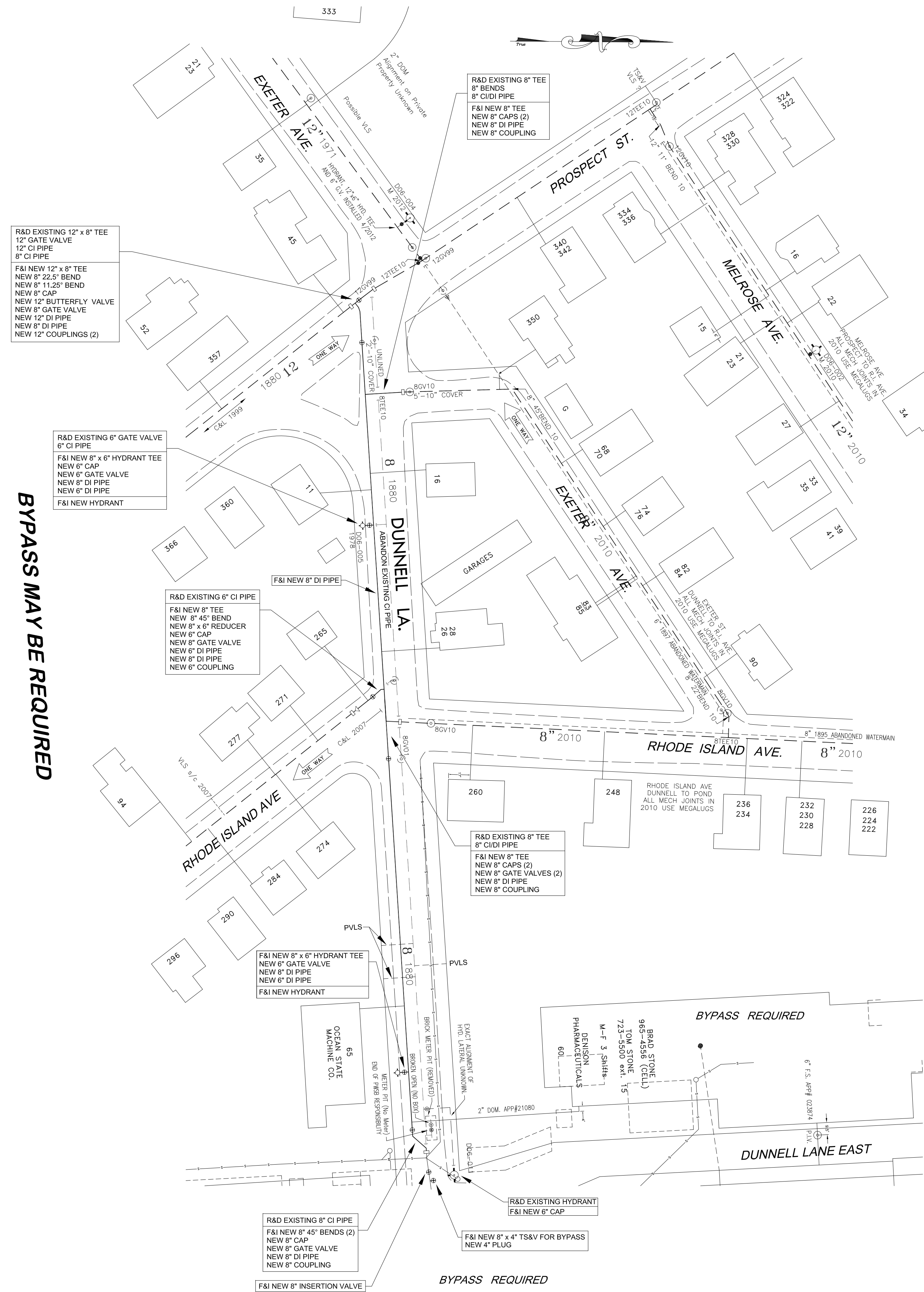
R&D EXISTING 6" TEE
6" GATE VALVE
6" CI/DI PIPE
6" COUPLING
F&I NEW 8" TEE
NEW 8" x 6" REDUCER
NEW 6" CAPS (2)
NEW 8" GATE VALVES (2)
NEW 6" DI PIPE
NEW 8" DI PIPE
NEW 6" COUPLING

F&I NEW 8" TAPPED CAP
NEW 2" BLOWOFF

PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
PEQUOT RD	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'

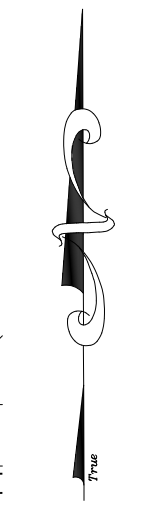
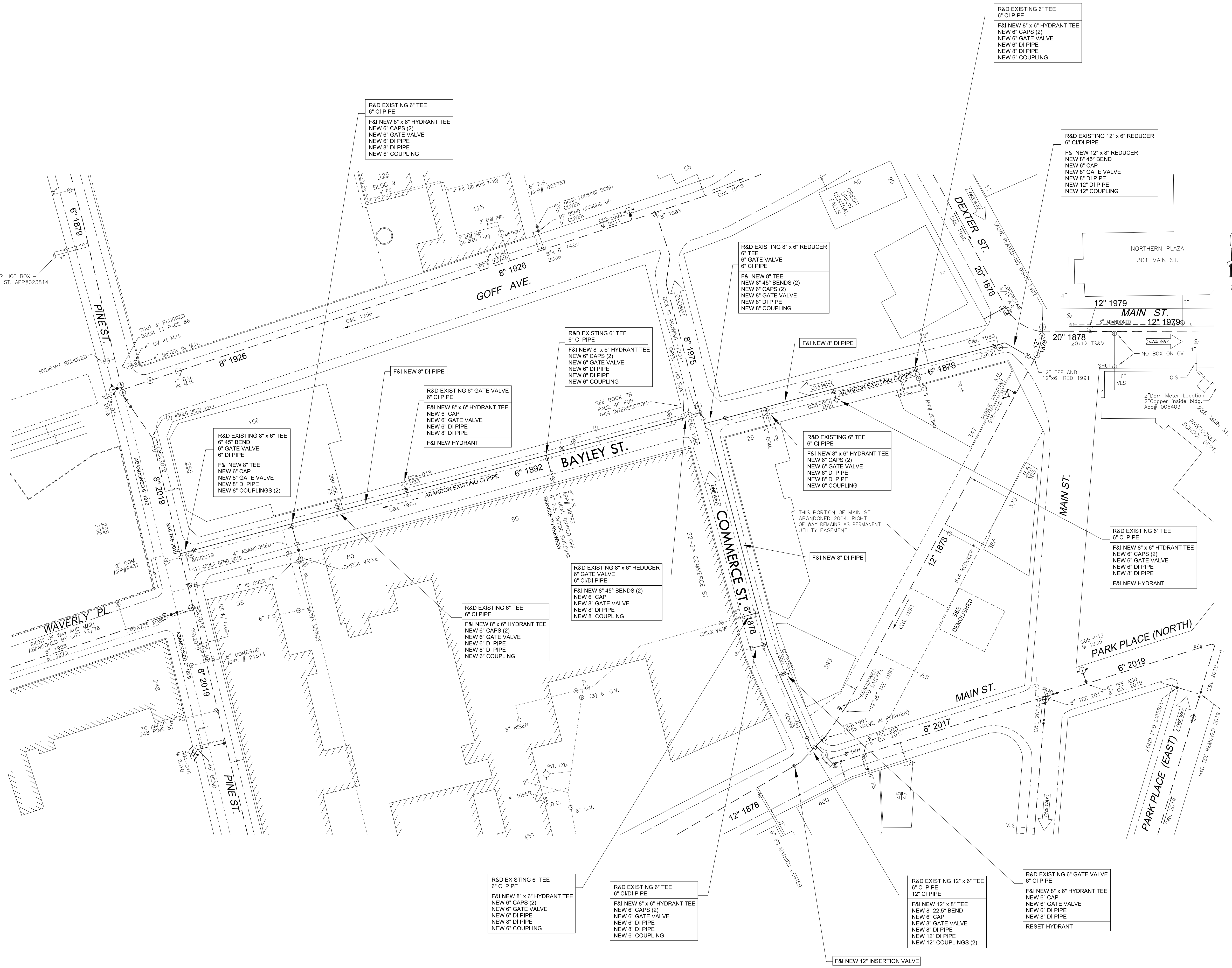


BYPASS MAY BE REQUIRED

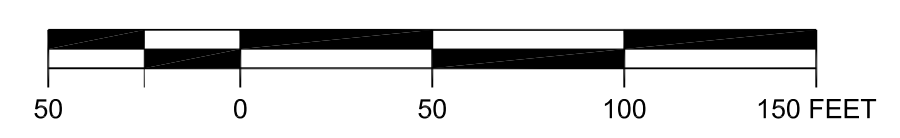


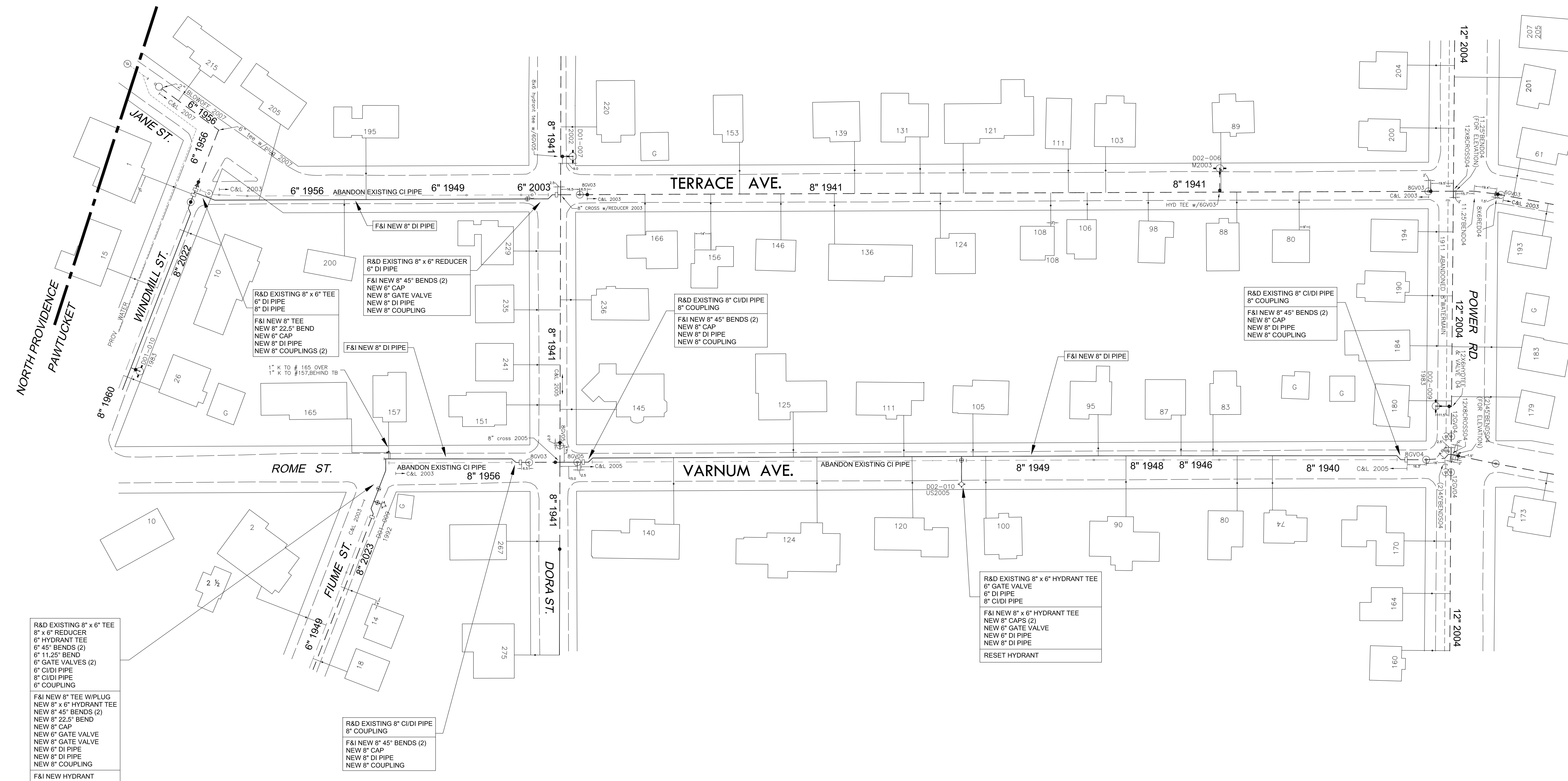
PAWTUCKET WATER SUPPLY BOARD
 WATER DIST. SYSTEM IMPROVEMENTS
 CONTRACT - MR14
 MAIN REPLACEMENT
 DUNNELL LANE; MAPLE ST
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'

ABOVE GROUND METER HOT BOX
SERVICE TO 280 PINE ST. APP#023814



PAWTUCKET WATER SUPPLY BOARD
WATER DIST. SYSTEM IMPROVEMENTS
CONTRACT - MR14
MAIN REPLACEMENT
 BAYLEY ST; COMMERCE ST
 EXISTING CONDITIONS CORRECT TO: MARCH 2022 SCALE: 1"=50'

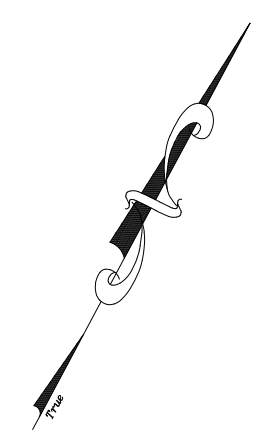
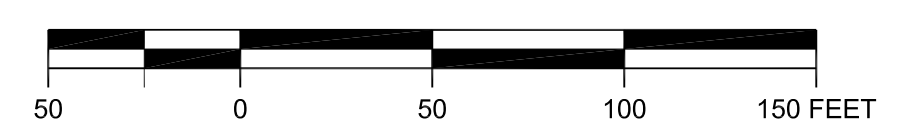


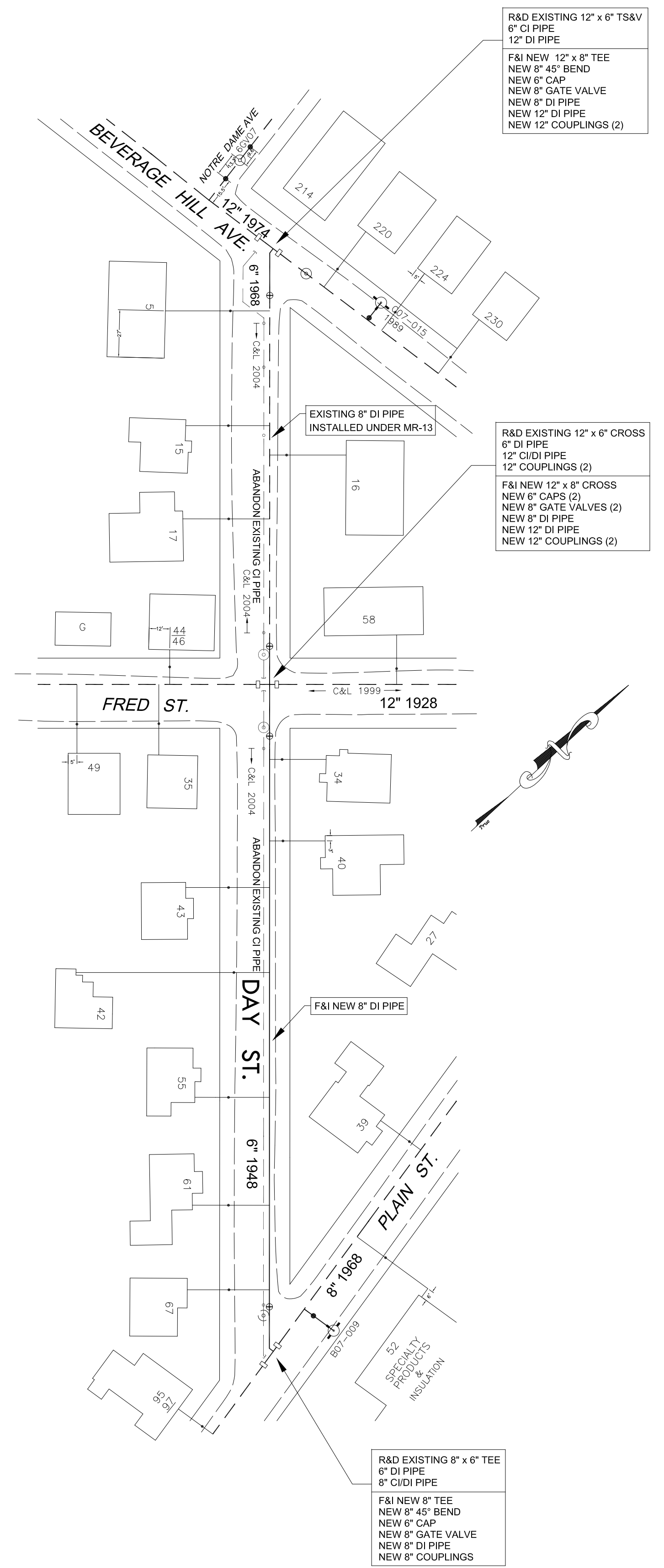


R&D EXISTING 8" x 6" TEE
 8" x 6" REDUCER
 6" HYDRANT TEE
 6" 45° BENDS (2)
 6" 11.25° BEND
 6" GATE VALVES (2)
 6" CI/DI PIPE
 8" CI/DI PIPE
 6" COUPLING
 F&I NEW 8" TEE W/PLUG
 NEW 8" x 6" HYDRANT TEE
 NEW 8" 45° BENDS (2)
 NEW 8" 22.5° BEND
 NEW 8" CAP
 NEW 6" GATE VALVE
 NEW 8" GATE VALVE
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 NEW 8" COUPLING
 F&I NEW HYDRANT

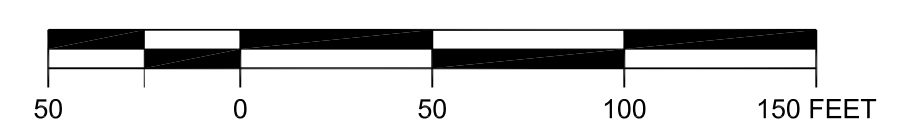
R&D EXISTING 8" CI/DI PIPE
 8" COUPLING
 F&I NEW 8" 45° BENDS (2)
 NEW 8" CAP
 NEW 8" DI PIPE
 NEW 8" COUPLING

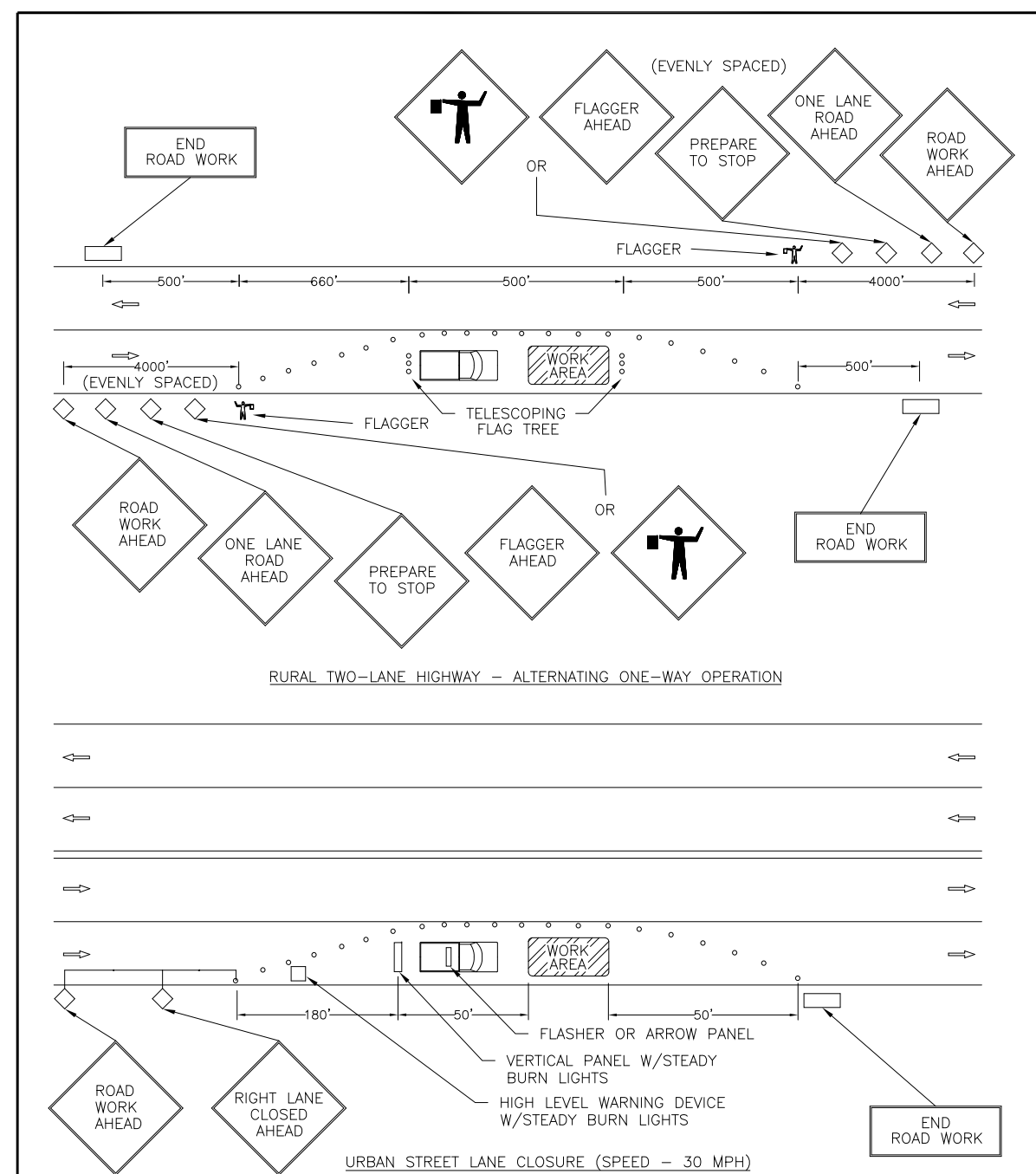
R&D EXISTING 8" x 6" HYDRANT TEE
 6" GATE VALVE
 6" DI PIPE
 8" CI/DI PIPE
 F&I NEW 8" x 6" HYDRANT TEE
 NEW 8" CAPS (2)
 NEW 6" GATE VALVE
 NEW 6" DI PIPE
 NEW 8" DI PIPE
 RESET HYDRANT



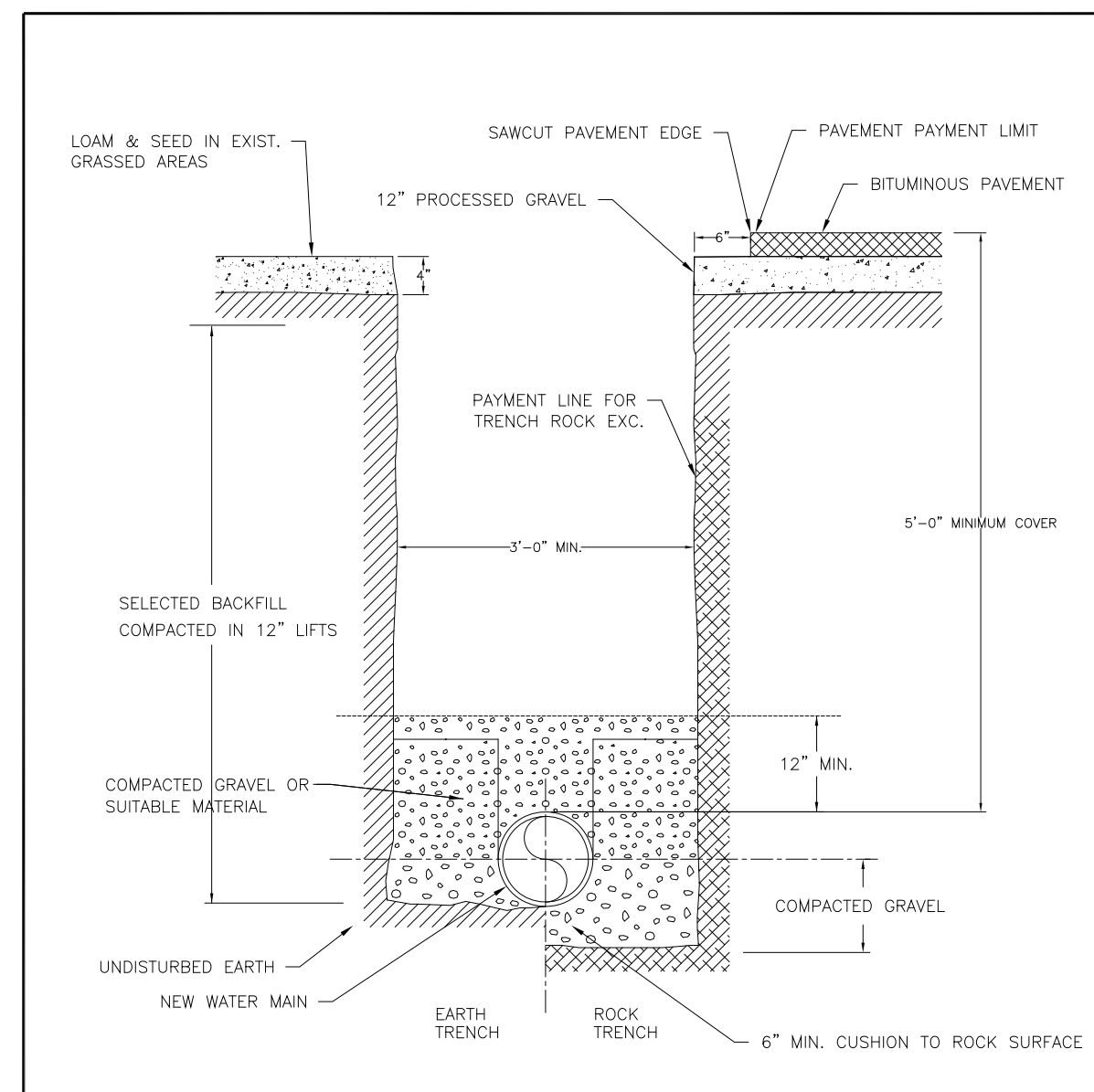


PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
DAY ST.	
EXISTING CONDITIONS CORRECT TO: MARCH 2022	SCALE: 1"=50'

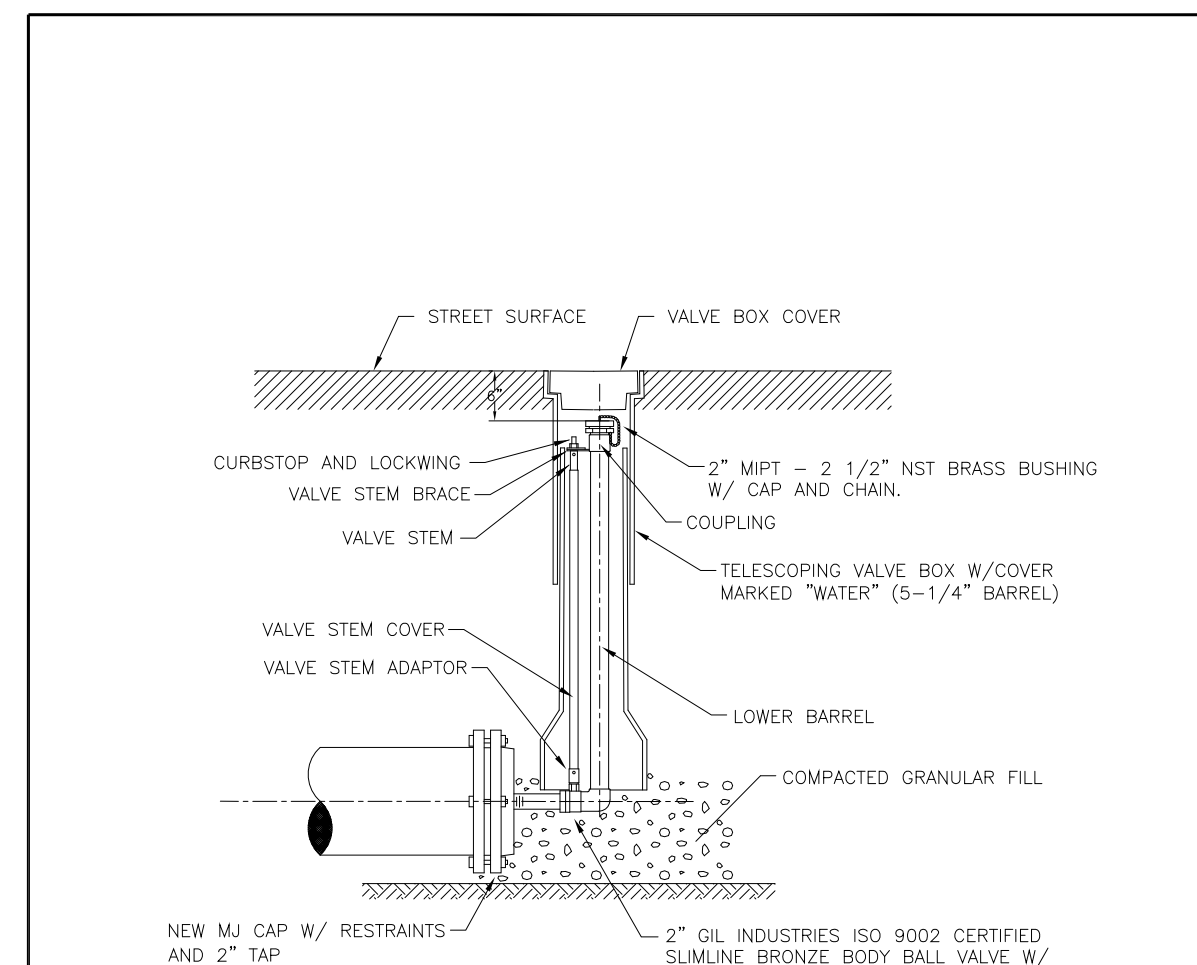




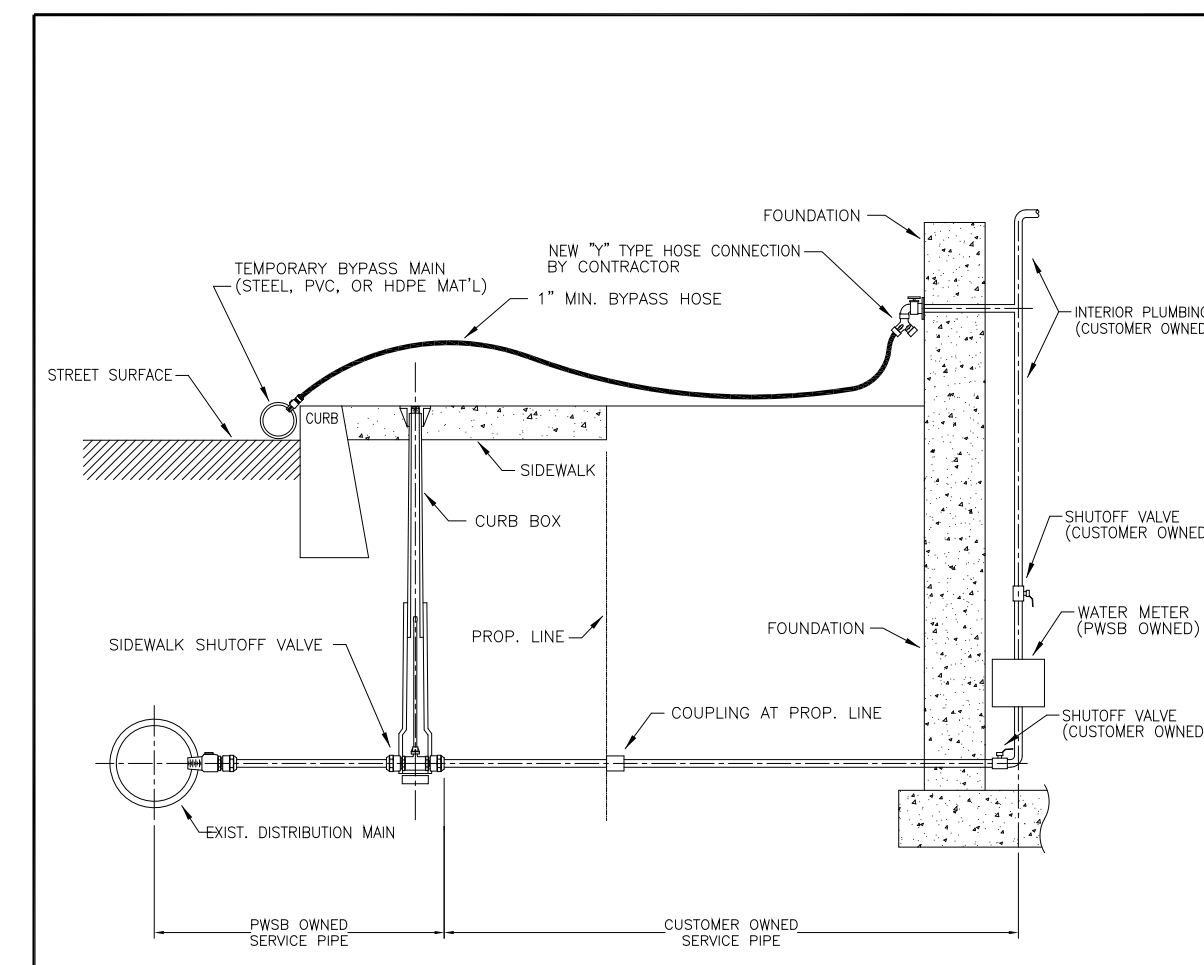
PAWTUCKET WATER SUPPLY BOARD		
SIGNING AND BARRICADES		
REVISION DATE: FEB. 2009	NOT TO SCALE	STD. NO. 7.01



PAWTUCKET WATER SUPPLY BOARD		
TYPICAL TRENCH DETAIL		
REVISION DATE: JAN 2014	NOT TO SCALE	STD. NO. 6.01

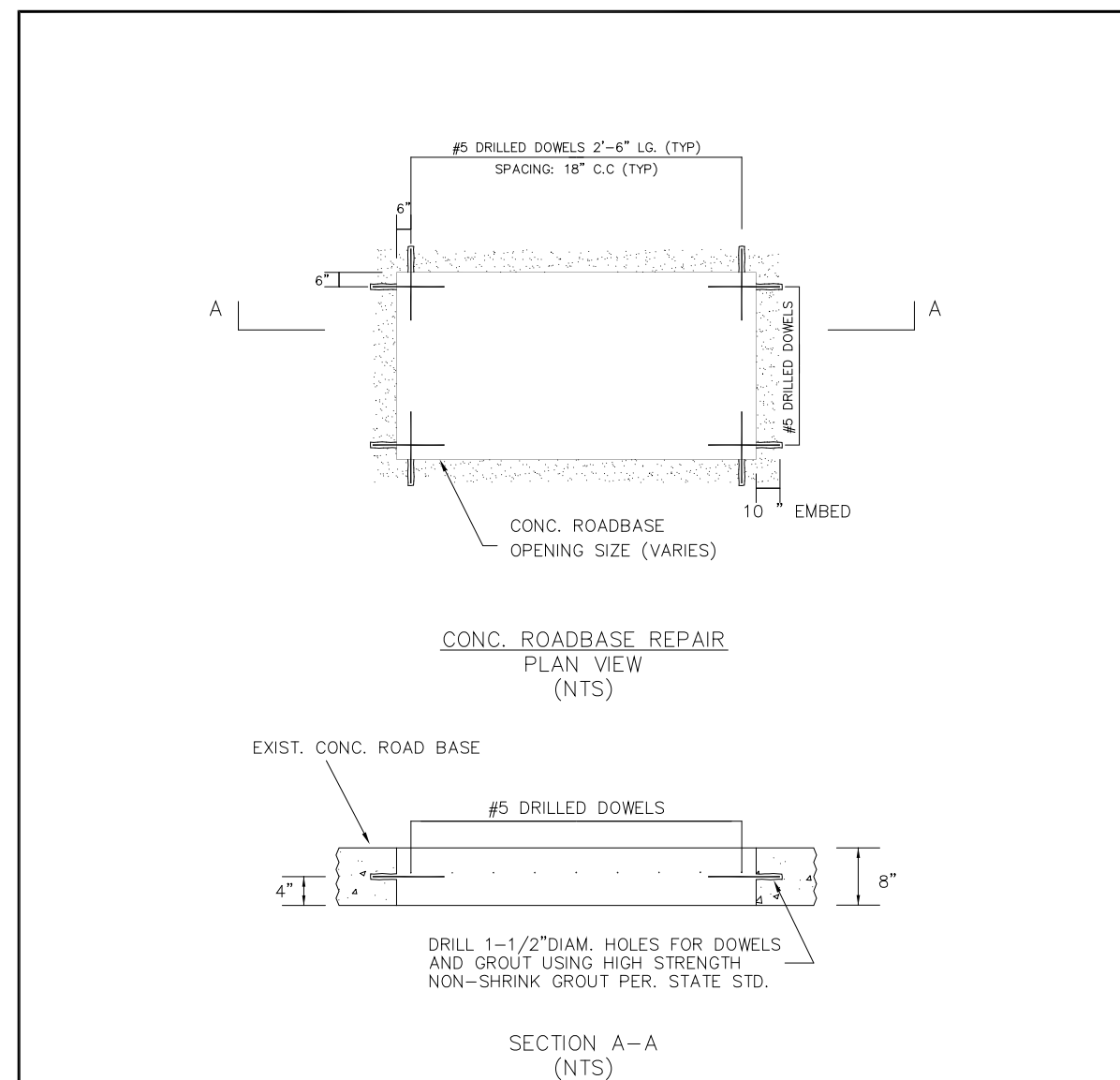


PAWTUCKET WATER SUPPLY BOARD		
2\"/>		
REVISION DATE: MAY 2008	NOT TO SCALE	STD. NO. 3.06

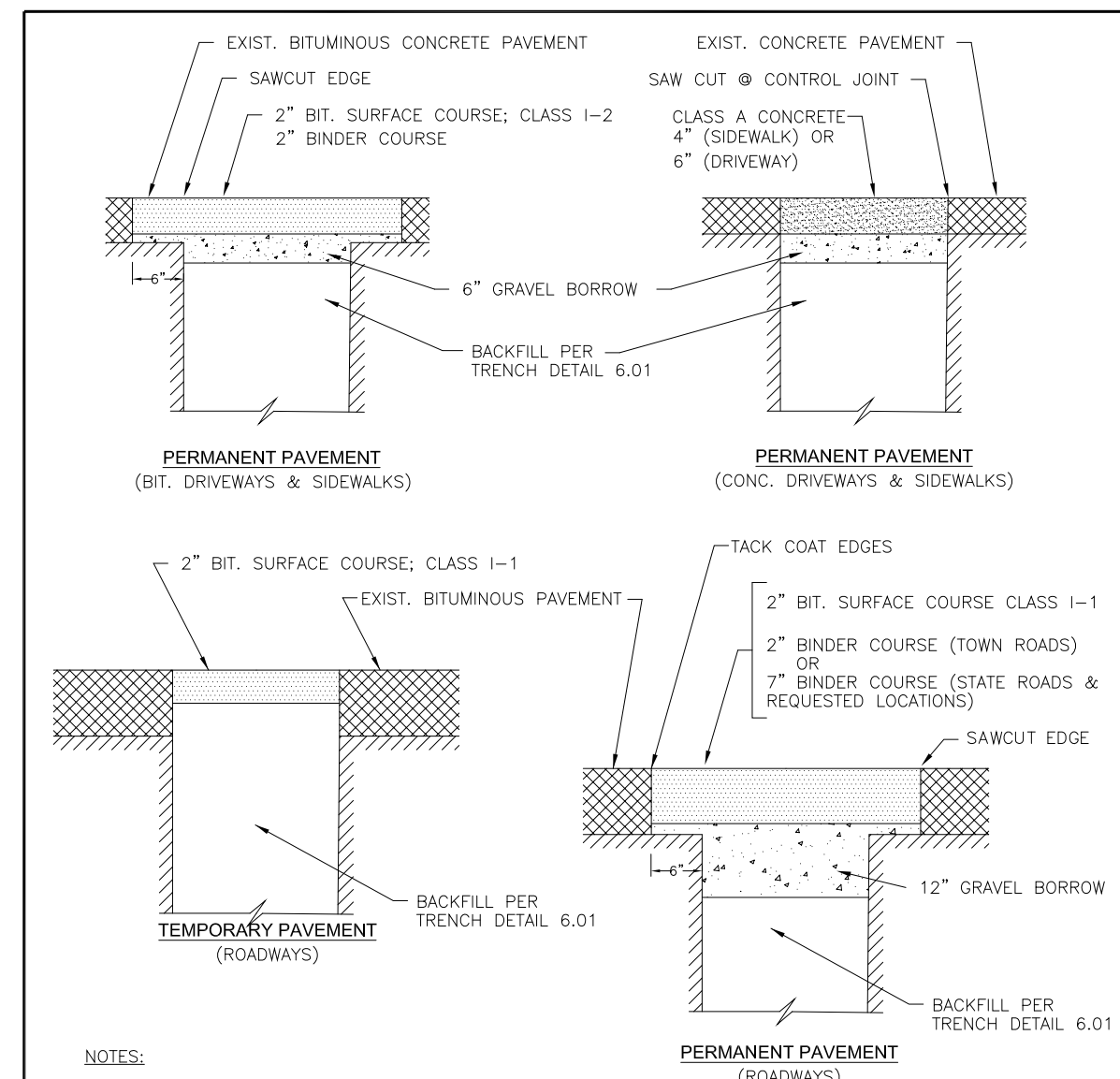


PAWTUCKET WATER SUPPLY BOARD		
TYPICAL \"TEMPORARY BYPASS PIPING\" INSTALLATION		
REVISION DATE: JAN 2014	NOT TO SCALE	STD. NO. 8.01

1. TEMPORARY BYPASS PIPING & SERVICE MATERIAL SHALL BE APPROVED BY THE PWSB PRIOR TO INSTALLATION AND SHALL BE NSF-61 AND/OR FDA APPROVED FOR CONTACT WITH DRINKING WATER AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PWSB SPECIFICATIONS FOR \"TEMPORARY BYPASS PIPING AND SERVICES\" LATEST REVISION.
2. PRIOR TO INSTALLATION, CONTRACTOR SHALL SUBMIT 2 COPIES OF BYPASS LAYOUT PLAN TO THE PWSB FOR REVIEW & APPROVAL.
3. TEMPORARY BYPASS MAIN SHALL REQUIRE A MINIMUM OF TWO \"FEED\" CONNECTIONS TO EXISTING ACTIVE HYDRANTS OR MAINS, IF POSSIBLE.
4. TEMPORARY REMOVAL OF WATER METERS SHALL BE PERFORMED BY PWSB METER DEPARTMENT PERSONNEL ONLY.

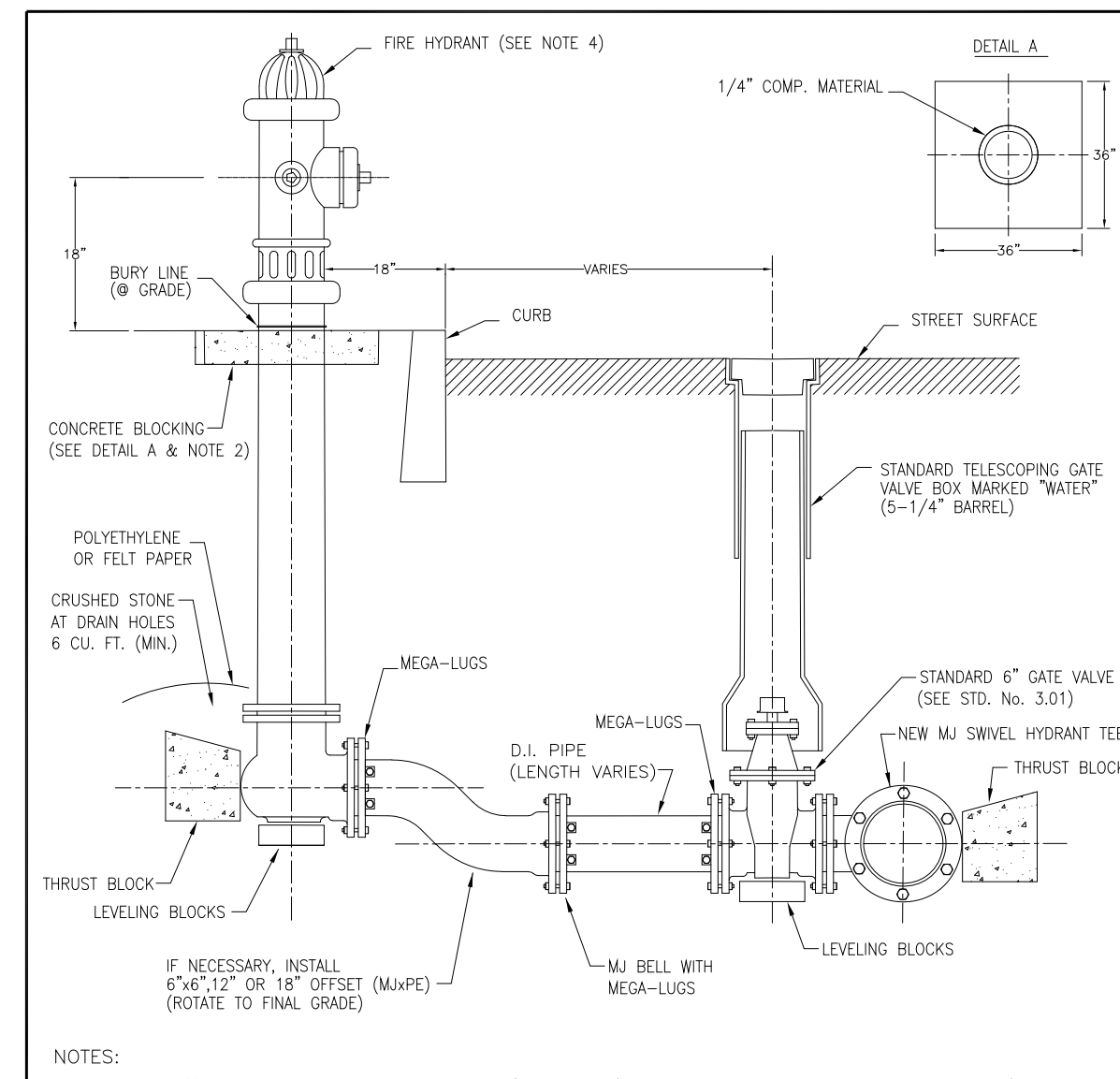


PAWTUCKET WATER SUPPLY BOARD		
RIDOT CONCRETE ROADBASE PAVEMENT REPLACEMENT		
REVISION DATE: FEB. 2013	NOT TO SCALE	STD. NO. 6.03



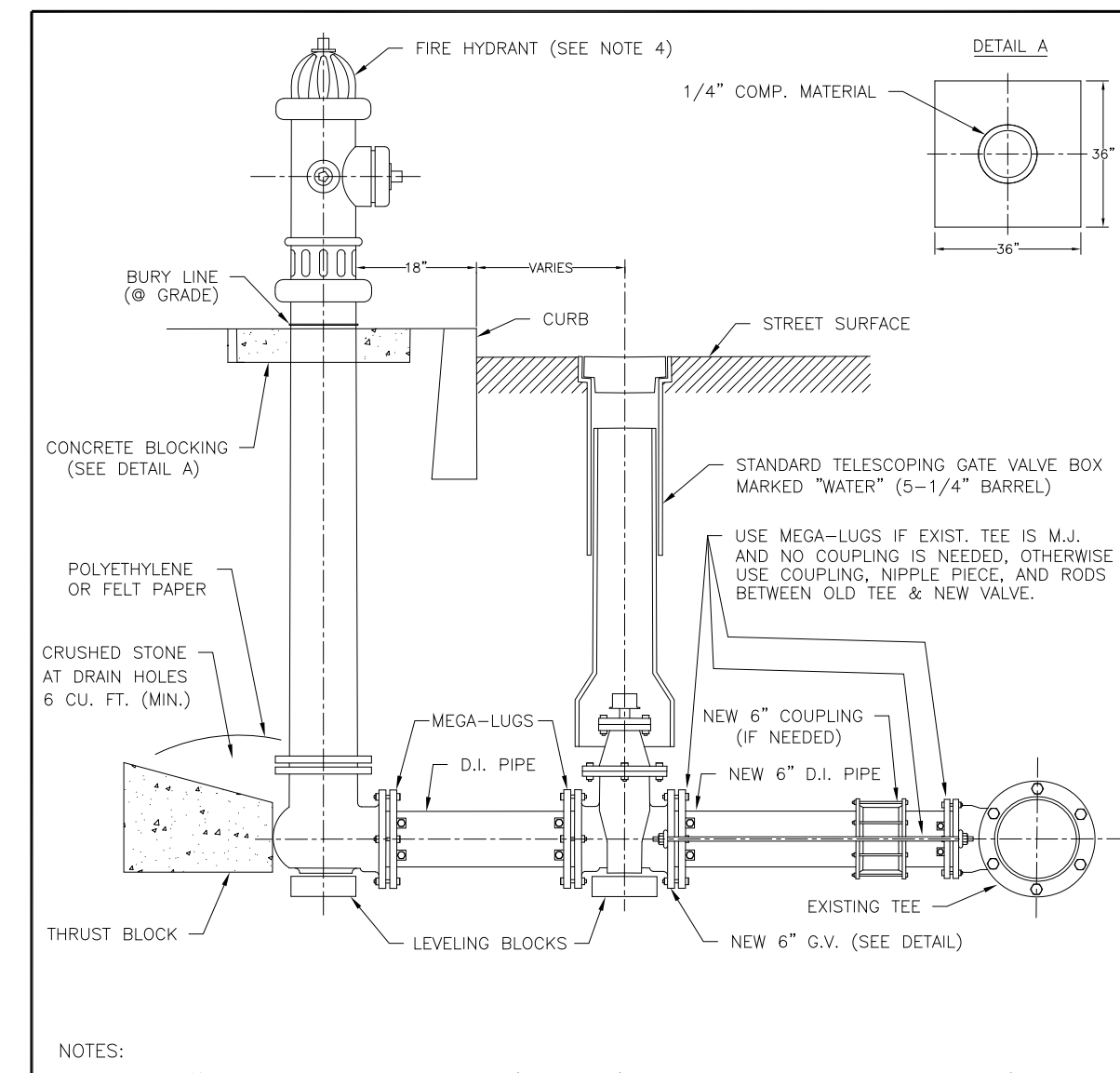
PAWTUCKET WATER SUPPLY BOARD		
PAVEMENT REPLACEMENT		
REVISION DATE: JAN. 2011	NOT TO SCALE	STD. NO. 6.02

- NOTES:
1. FOR TEMPORARY AND PERMANENT PATCHING IN STATE ROADS, THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE RIDOT.
 2. THE CONTRACTOR IS REQUIRED TO OBTAIN AND MEET THE REQUIREMENTS OF ANY AND ALL PERMITS FROM THE STATE, CITY OR TOWN THAT THE WORK WILL BE PERFORMED IN.



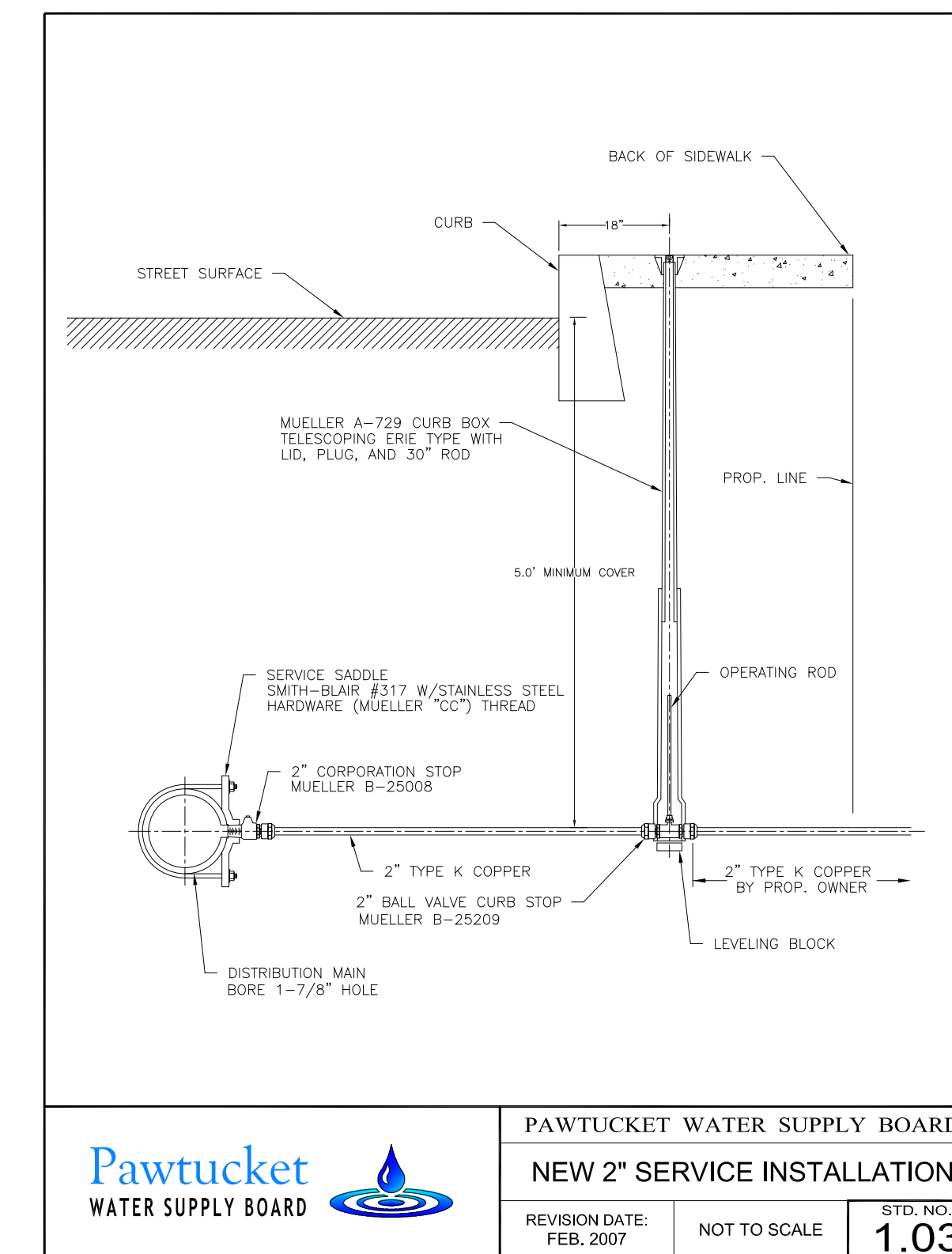
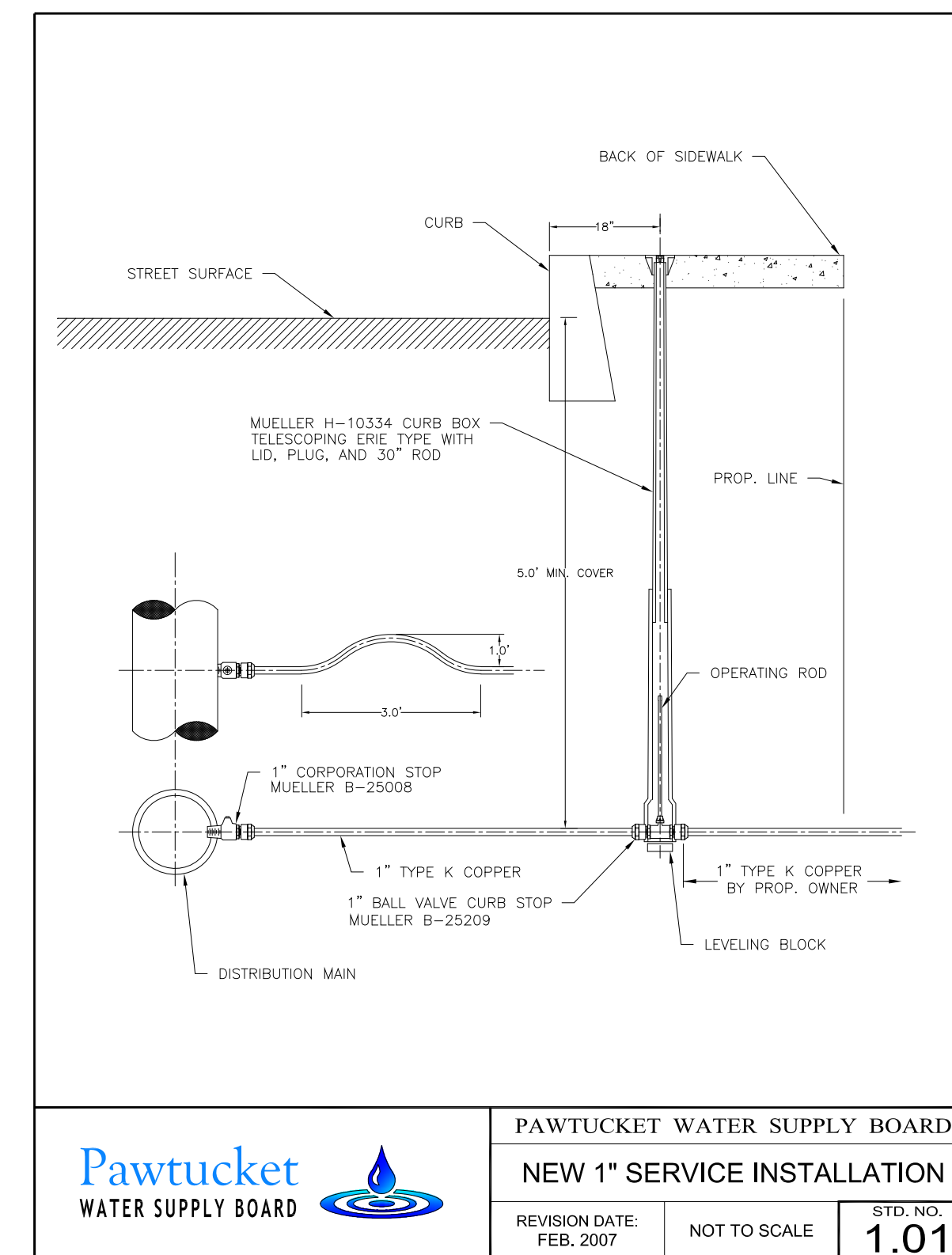
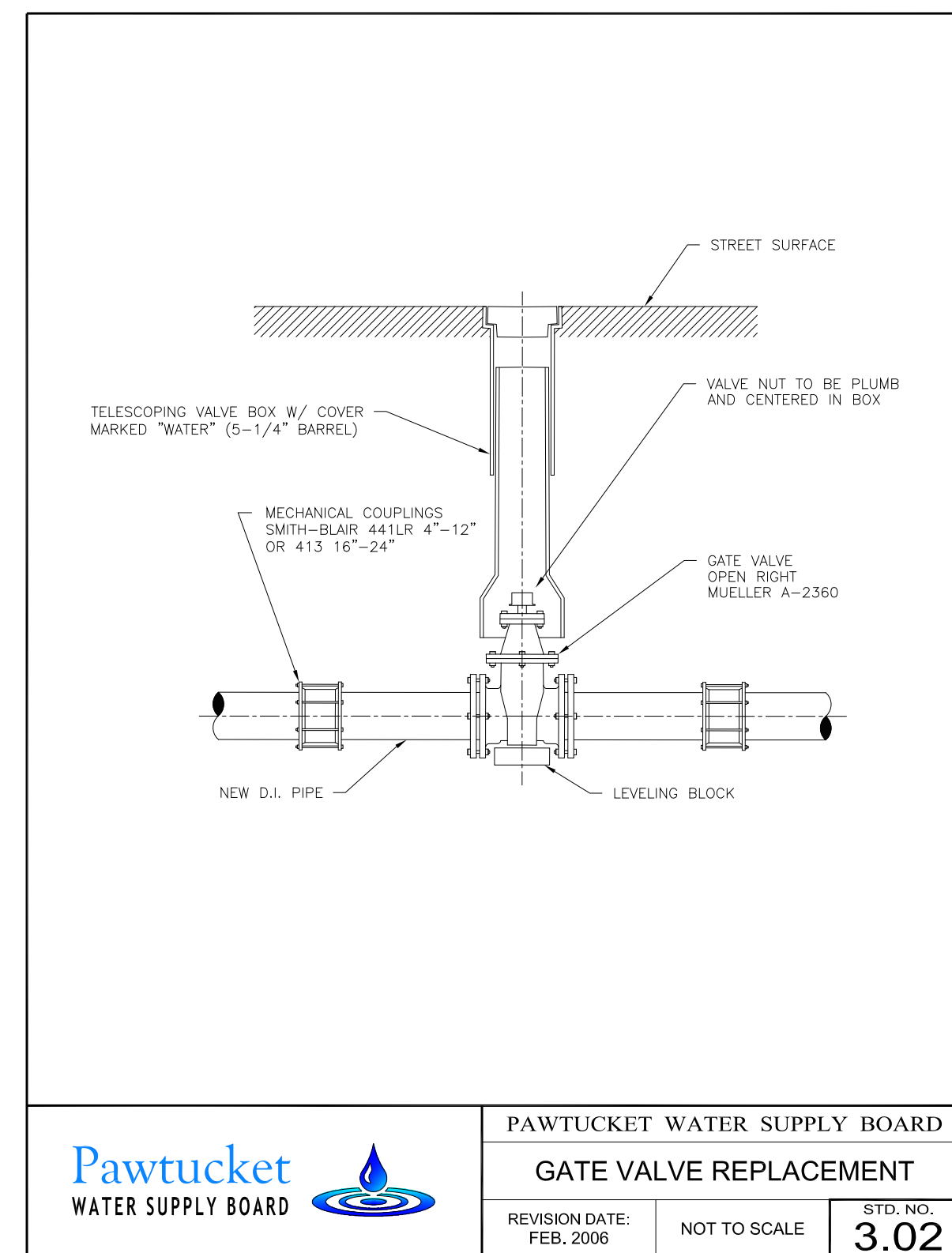
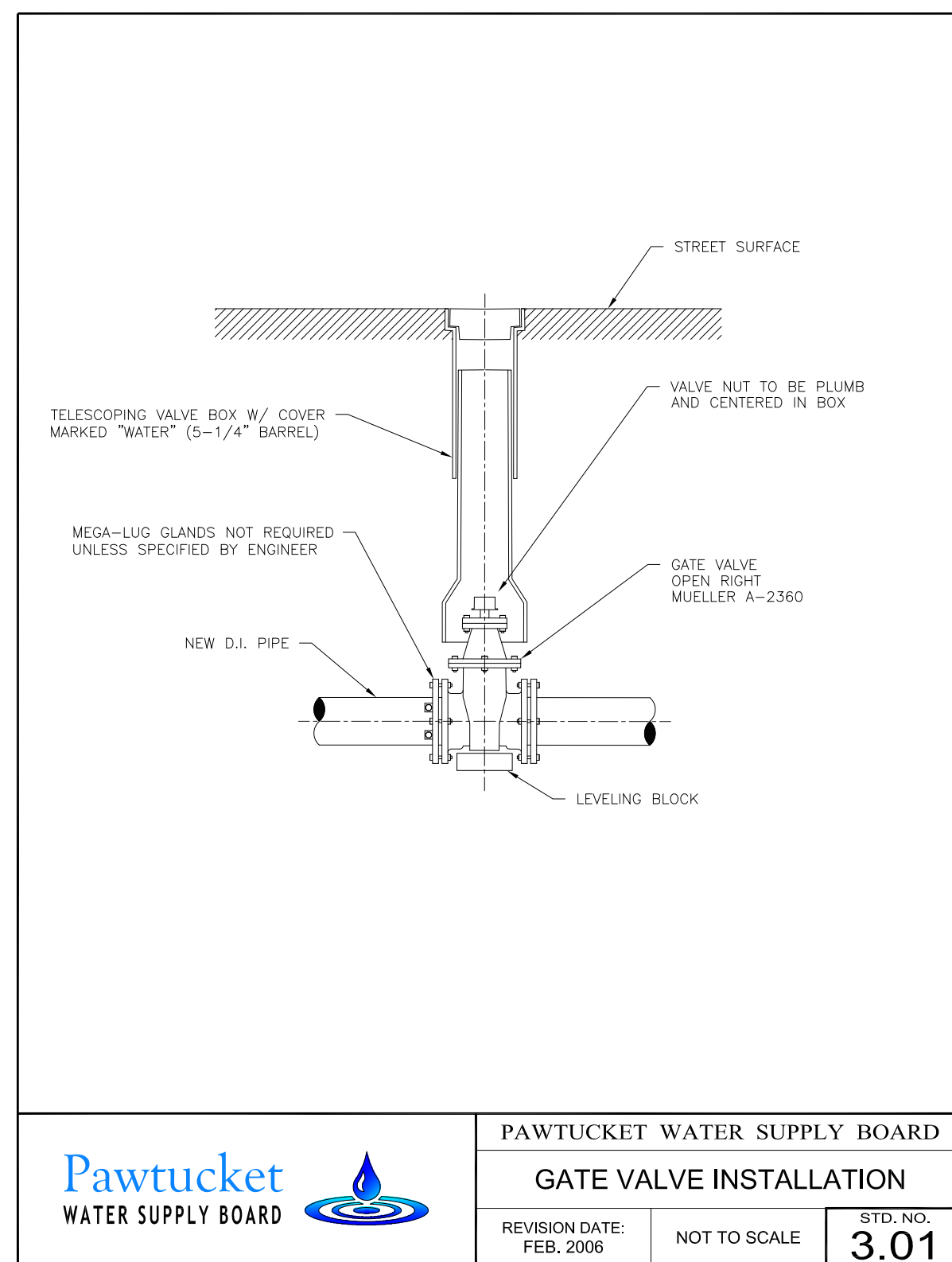
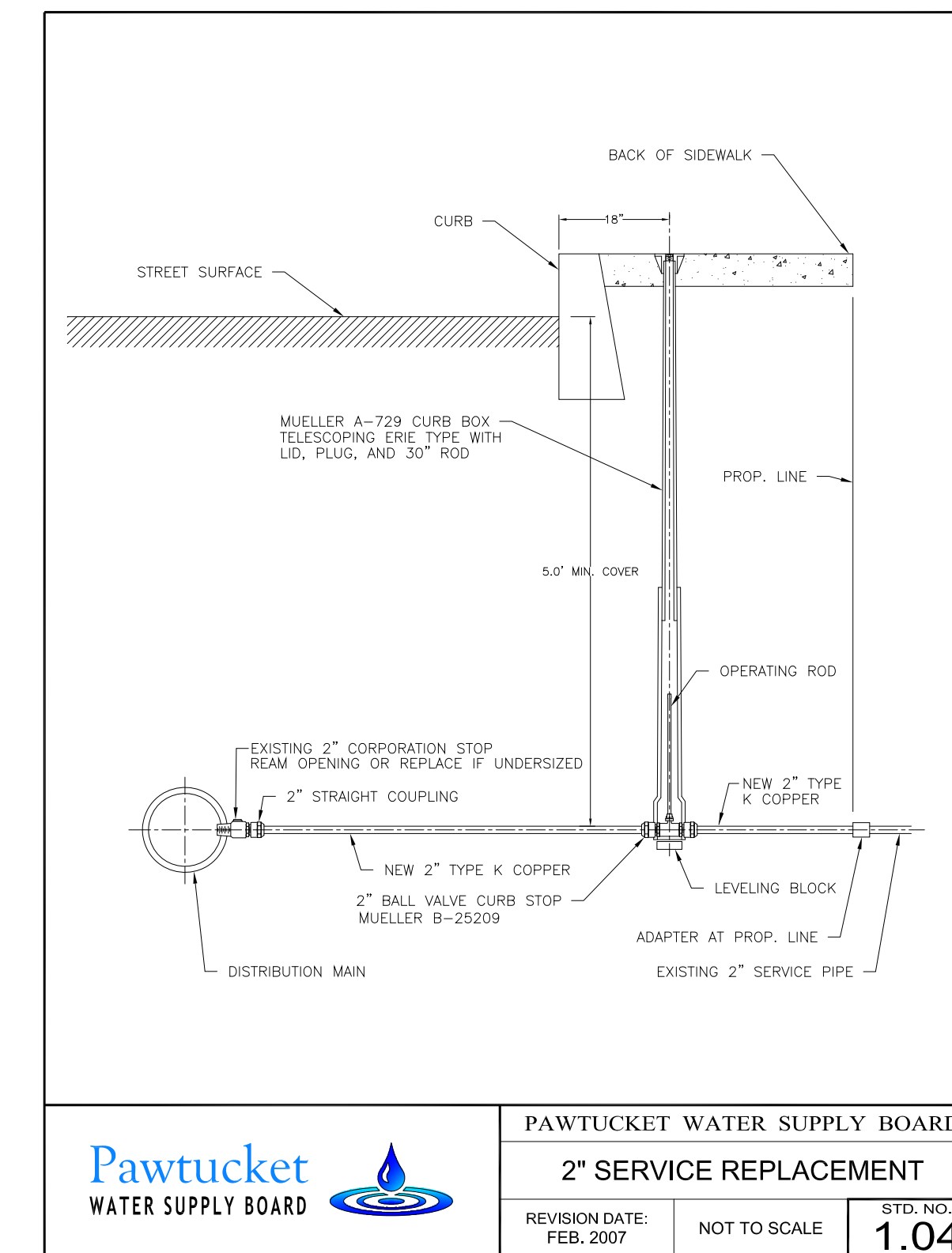
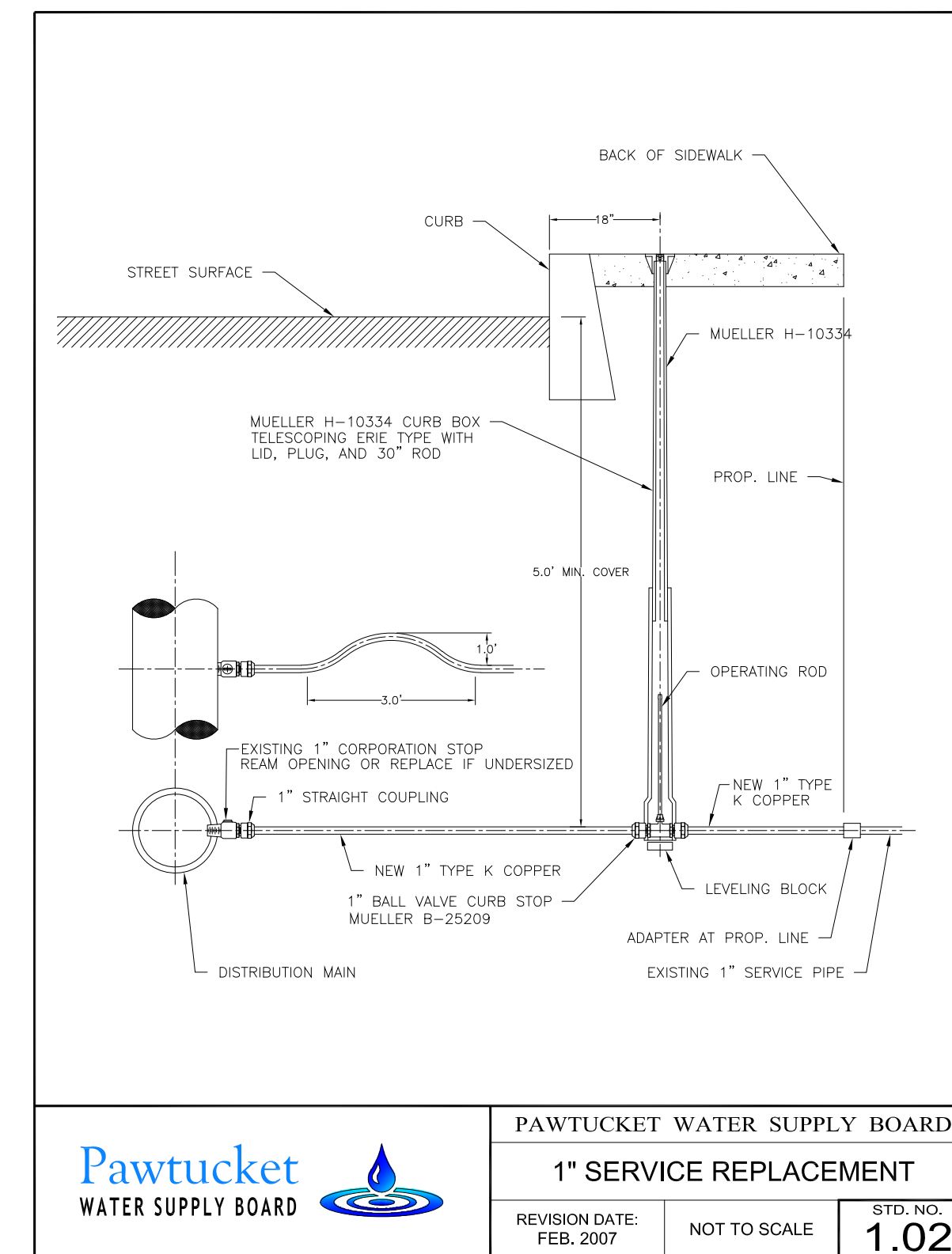
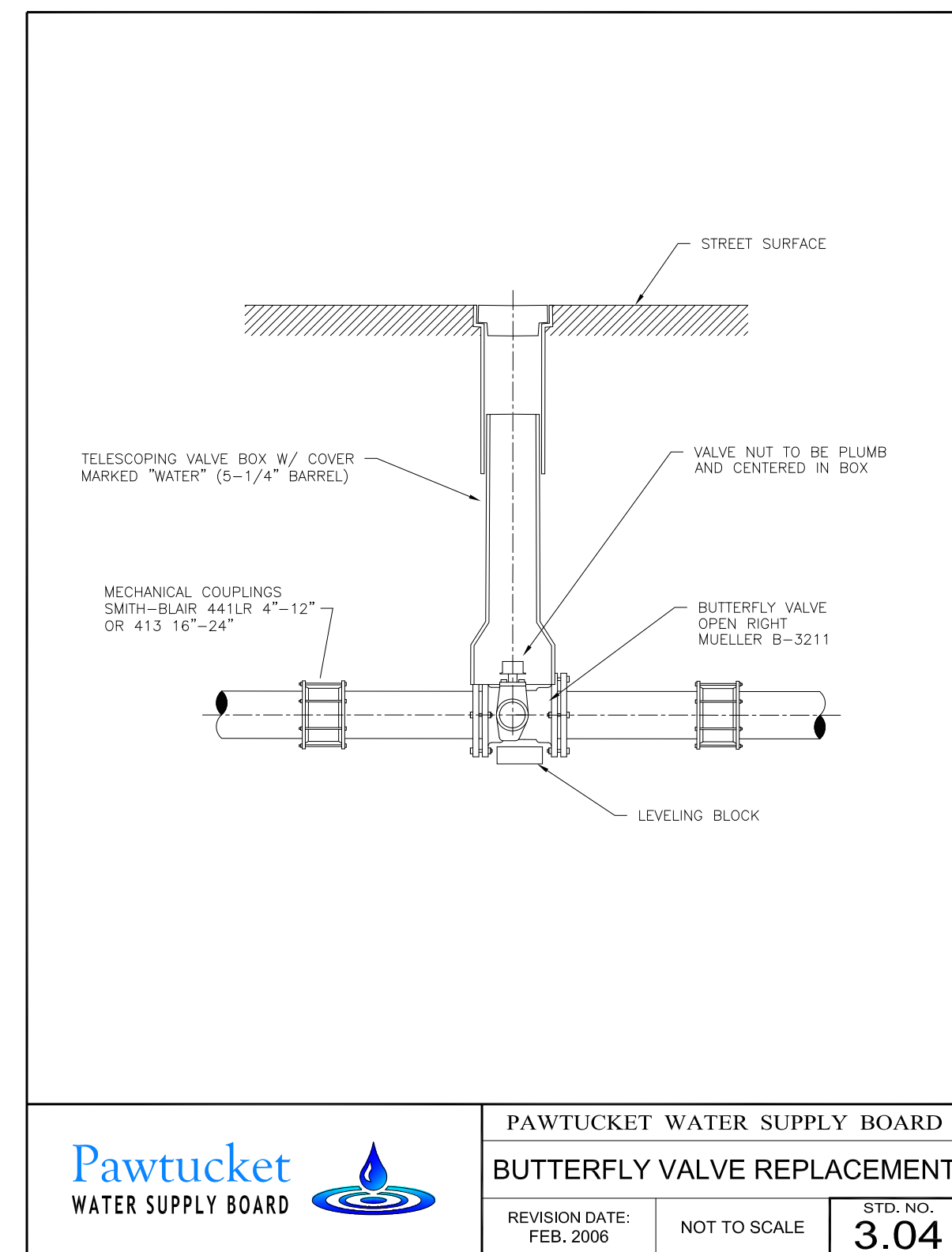
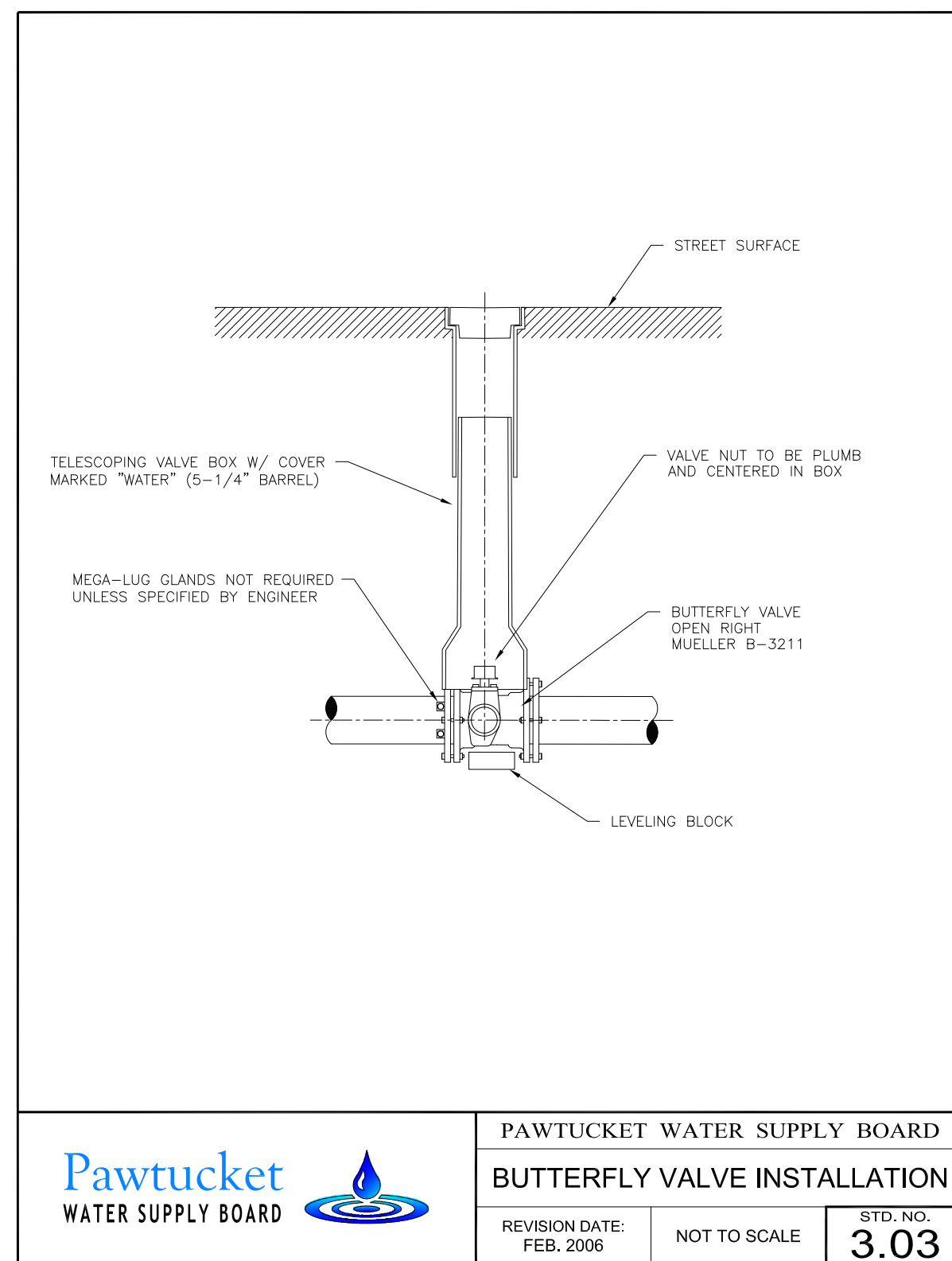
PAWTUCKET WATER SUPPLY BOARD		
NEW FIRE HYDRANT AND RESET FIRE HYDRANT INSTALLATION		
REVISION DATE: AUG. 2013	NOT TO SCALE	STD. NO. 4.01

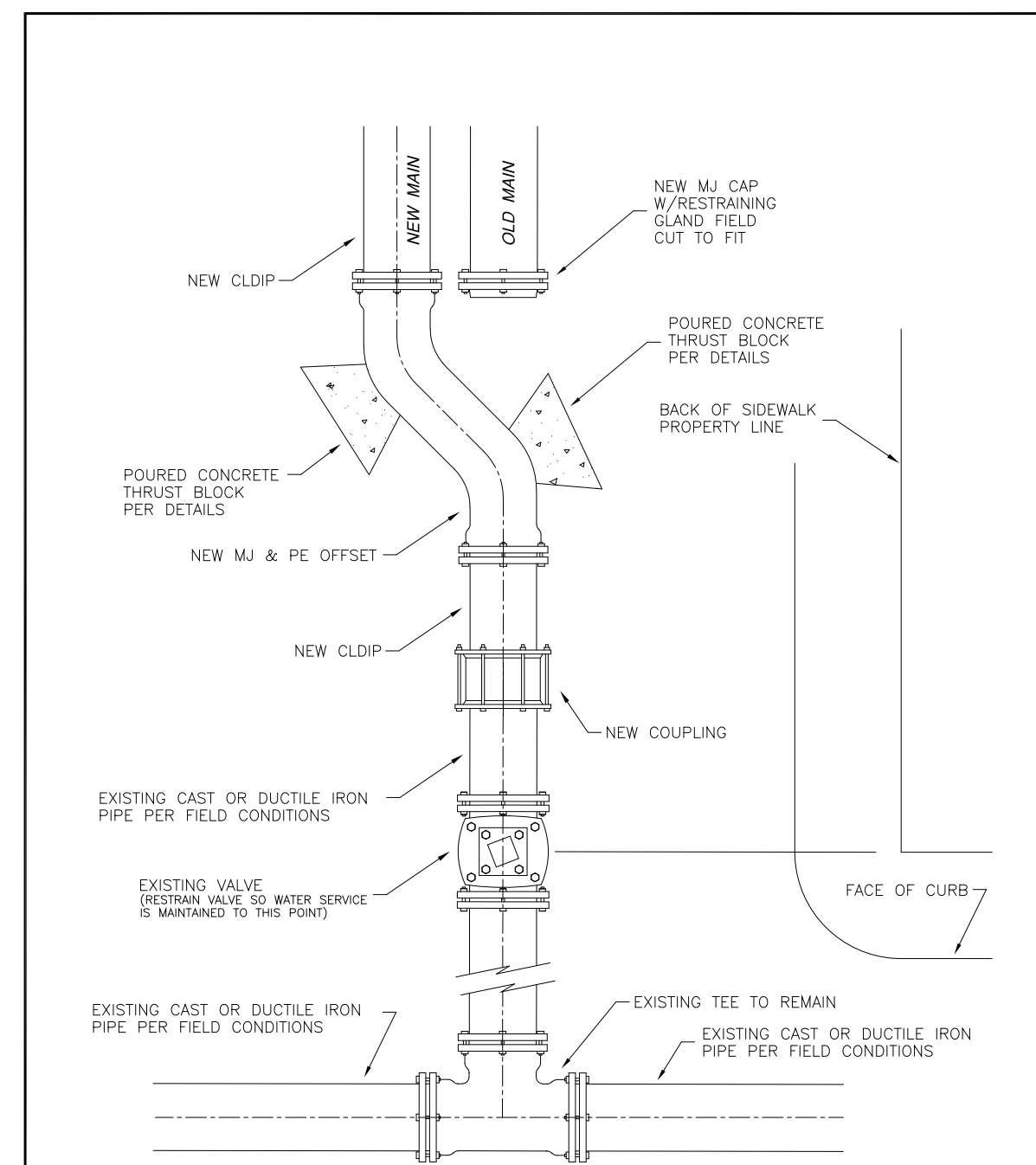
- NOTES:
1. HYDRANT MUST BE BURIED TO PROPER DEPTH (BURY LINE) TO ALLOW SUFFICIENT CLEARANCE TO BOLT/UNBOLT THE UPPER BARREL AND SAFETY FLANGES.
 2. WHERE UPPER RESTRAINT BY SIDEWALK IS NOT PROVIDED, INSTALL CONCRETE BLOCKING ON HYDRANT BARREL AS SHOWN.
 3. USE BOTH MEGA-LUG RESTRAINT GLANDS AND THRUST BLOCKS. THRUST BLOCKING SHALL HAVE A MINIMUM OF 3 SQUARE FEET AGAINST UNDISTURBED EARTH.
 4. HYDRANT TO BE MUELLER A-423 SUPER CENTURION, M.J. SHOE, 5-1/4\"/>



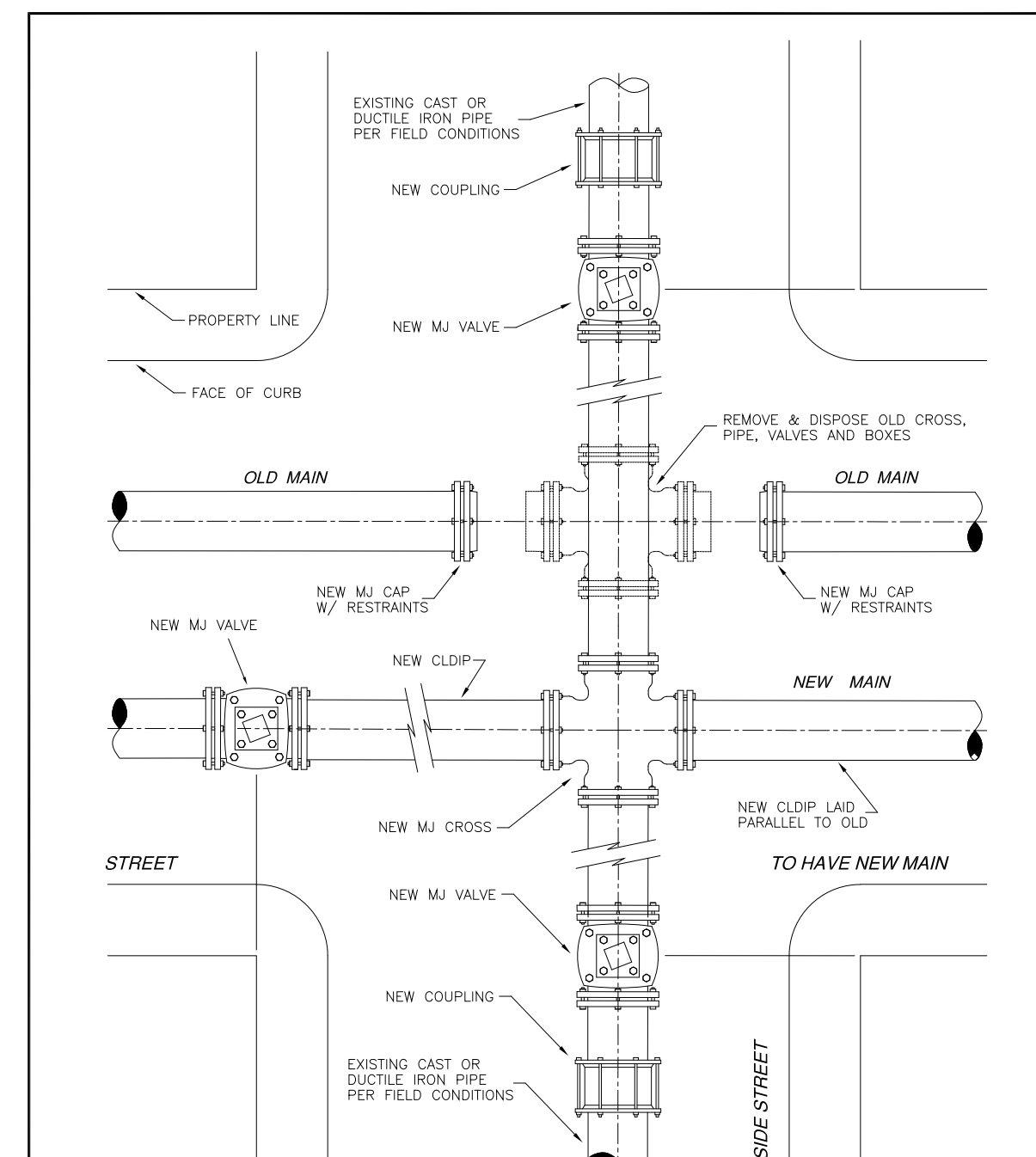
PAWTUCKET WATER SUPPLY BOARD		
FIRE HYDRANT REPLACEMENT		
REVISION DATE: FEB. 2006	NOT TO SCALE	STD. NO. 4.02

- NOTES:
1. HYDRANT MUST BE BURIED TO PROPER DEPTH (BURY LINE) TO ALLOW SUFFICIENT CLEARANCE TO BOLT/UNBOLT THE UPPER BARREL AND SAFETY FLANGES. IF NEEDED, INSTALL PWSB SUPPLIED EXTENSION.
 2. WHERE UPPER RESTRAINT BY SIDEWALK IS NOT PROVIDED, INSTALL CONCRETE BLOCKING ON HYDRANT BARREL AS SHOWN.
 3. USE BOTH MEGA-LUG RESTRAINT GLANDS AND THRUST BLOCKS. THRUST BLOCKING SHALL HAVE A MINIMUM OF 3 SQUARE FEET AGAINST UNDISTURBED EARTH.
 4. HYDRANT TO BE MUELLER A-423 SUPER CENTURION, M.J. SHOE, 5-1/4\"/>





	PAWTUCKET WATER SUPPLY BOARD		
	MAIN CONNECTION AT INTERSECTION (OFFSET)		
	REVISION DATE: FEB. 2006	NOT TO SCALE	STD. NO. 5.03

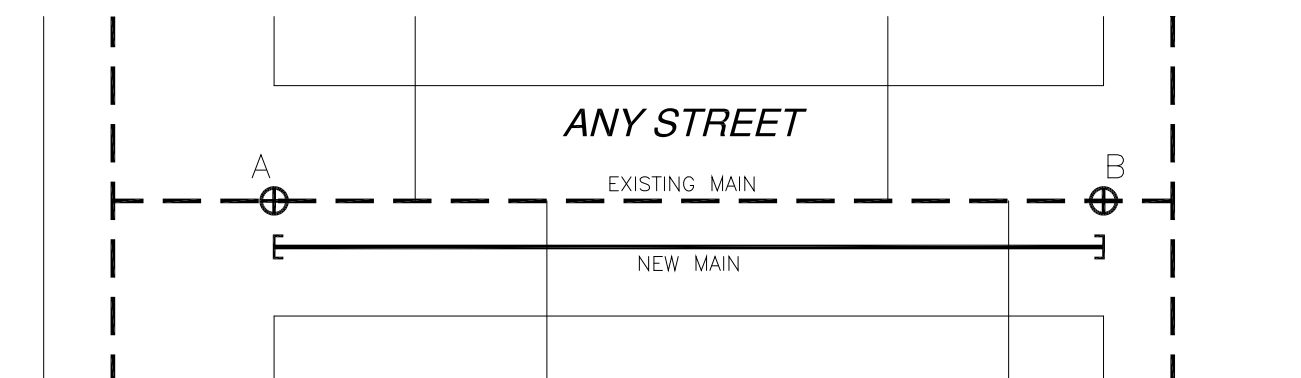


	PAWTUCKET WATER SUPPLY BOARD		
	MAIN CONNECTION AT INTERSECTION (CROSS)		
	REVISION DATE: FEB. 2006	NOT TO SCALE	STD. NO. 5.01

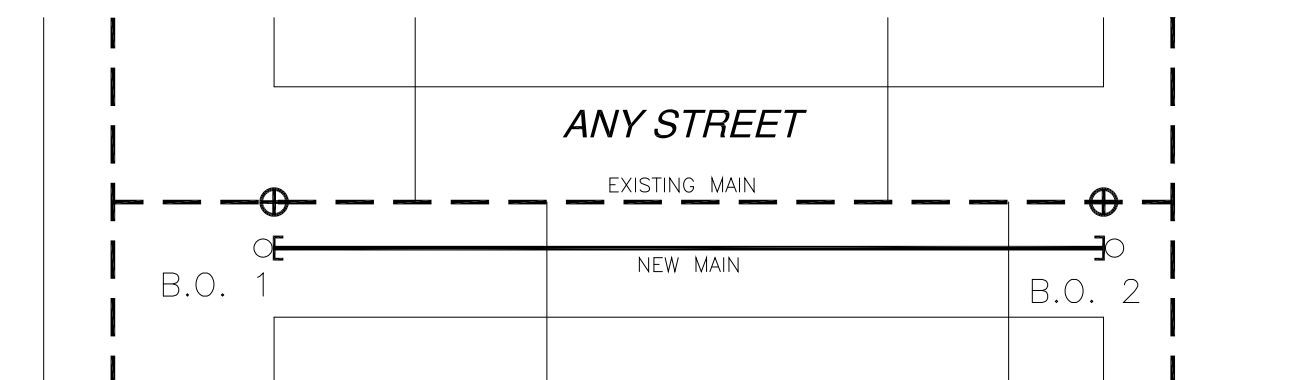
TYPICAL CONSTRUCTION SEQUENCE

MAIN REPLACEMENT WITHOUT BYPASS PIPING

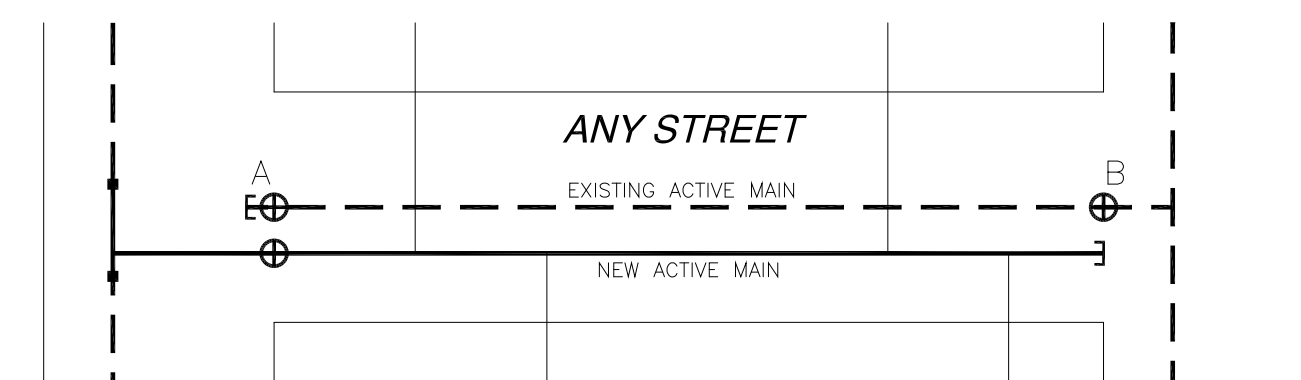
- INSTALL NEW MAIN PARALLEL TO OLD MAIN UNDER EXIST. SERVICES CAPPED OFF WITH A BLOWOFF ON BOTH ENDS AND WITH ALL TEES & CROSSES PLUGGED (NO CONNECTIONS TO EXIST.)



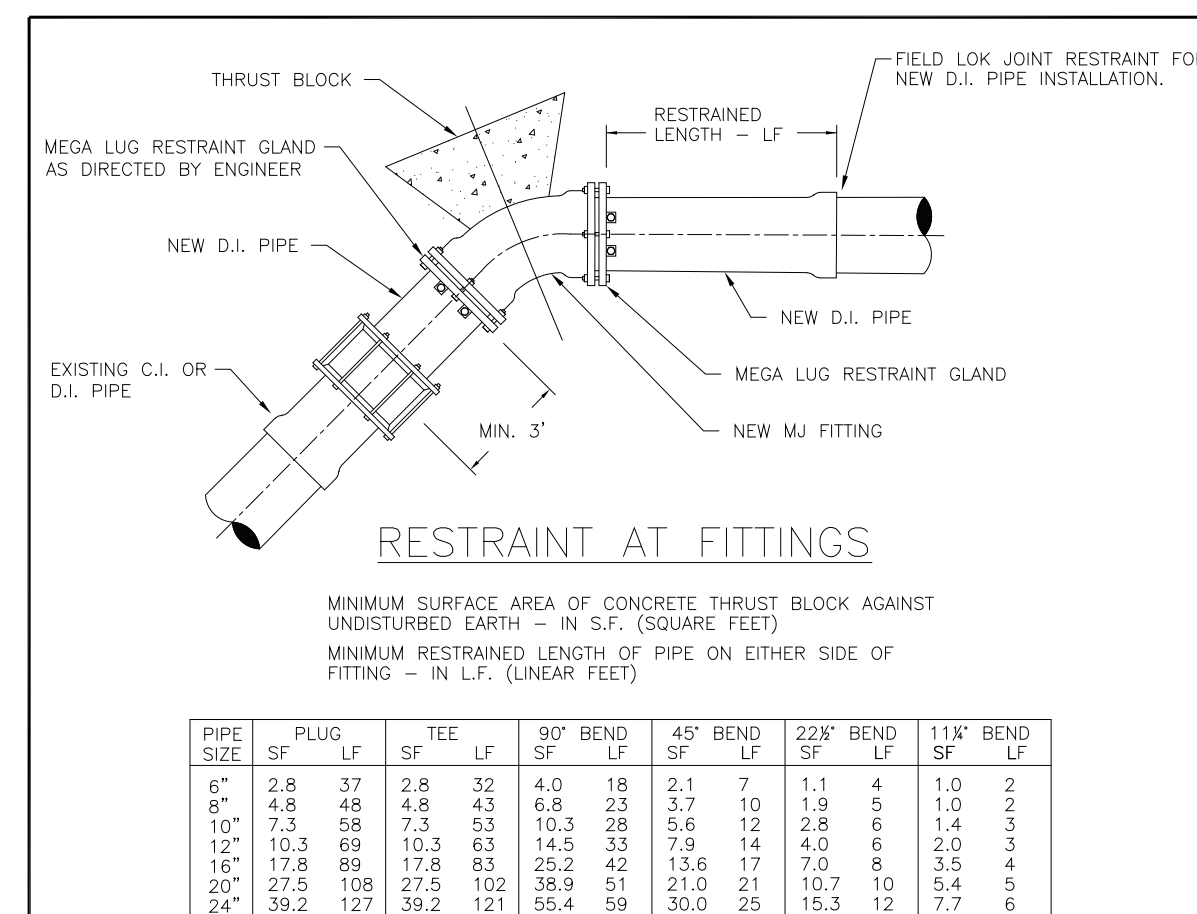
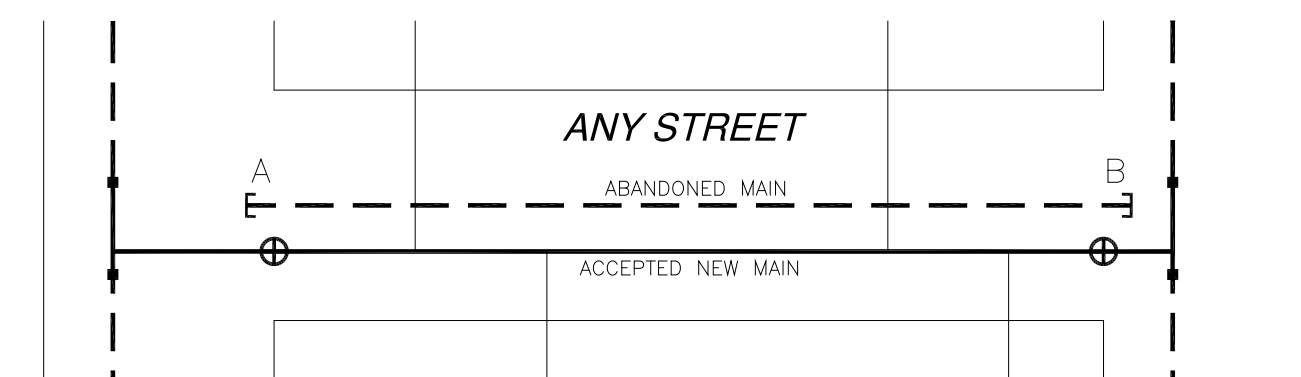
- TEST & CHLORINATE NEW MAIN FROM B.O. 1 TO B.O. 2 UNDER PWSB SUPERVISION, THEN WAIT FOR APPROVAL FROM PWSB LAB.



- TIE IN ONE END (A) AND CAP OFF OLD MAIN. BOTH MAINS NOW ACTIVE. THEN TRANSFER SERVICES TO NEW MAIN.



- TIE IN NEXT END (B) AND CAP OFF OLD MAIN & ABANDONED IN PLACE NEXT, REMOVE AND DISPOSE OLD VALVE BOXES AND PATCH TO SPEC.



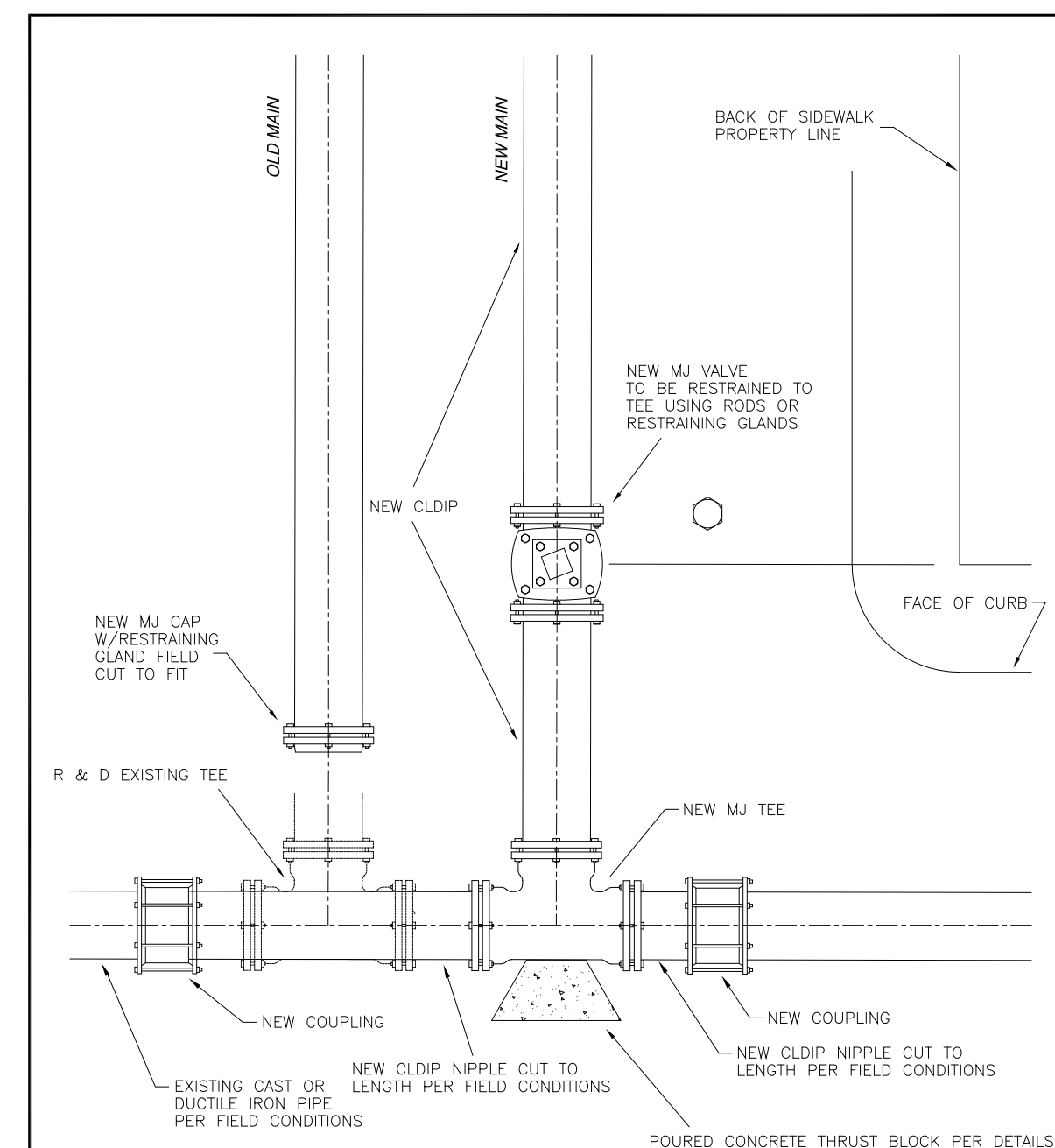
RESTRAINT AT FITTINGS

MINIMUM SURFACE AREA OF CONCRETE THRUST BLOCK AGAINST UNDISTURBED EARTH - IN S.F. (SQUARE FEET)

MINIMUM RESTRAINED LENGTH OF PIPE ON EITHER SIDE OF FITTING - IN L.F. (LINEAR FEET)

PIPE SIZE	PLUG		TEE		90° BEND		45° BEND		22½° BEND		11¼° BEND	
	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF	SF	LF
6"	2.8	37	2.8	32	4.0	18	2.1	7	1.1	4	1.0	2
8"	4.8	48	4.8	43	6.8	23	3.7	10	1.9	5	1.0	2
10"	7.3	98	7.3	83	10.3	28	5.6	12	2.8	6	1.4	3
12"	10.3	69	10.3	63	14.5	33	7.9	14	4.0	6	2.0	3
16"	17.8	89	17.8	83	25.2	42	13.6	17	7.0	8	3.5	4
20"	27.5	108	27.5	102	38.9	51	21.0	21	10.7	10	5.4	4
24"	39.2	127	39.2	121	55.4	59	30.0	25	15.3	12	7.7	6

	PAWTUCKET WATER SUPPLY BOARD		
	RESTRAINT AT FITTINGS		
	REVISION DATE: MAY 2006	NOT TO SCALE	STD. NO. 5.04



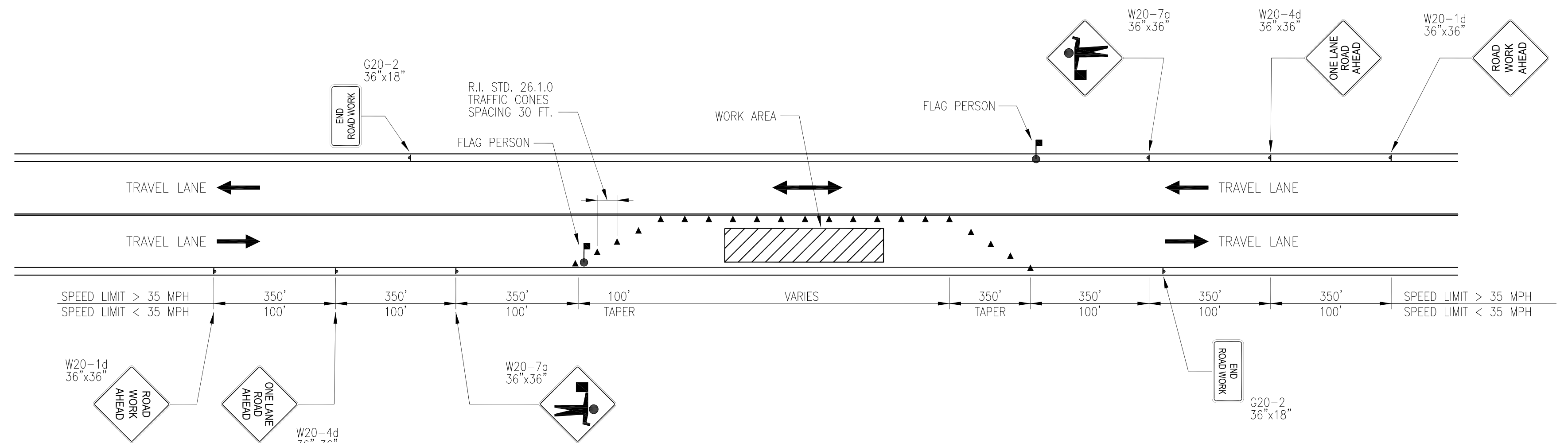
	PAWTUCKET WATER SUPPLY BOARD		
	MAIN CONNECTION AT INTERSECTION (CUT-IN TEE)		
	REVISION DATE: FEB. 2006	NOT TO SCALE	STD. NO. 5.02

GENERAL NOTES – WORK WITHIN STATE HIGHWAYS

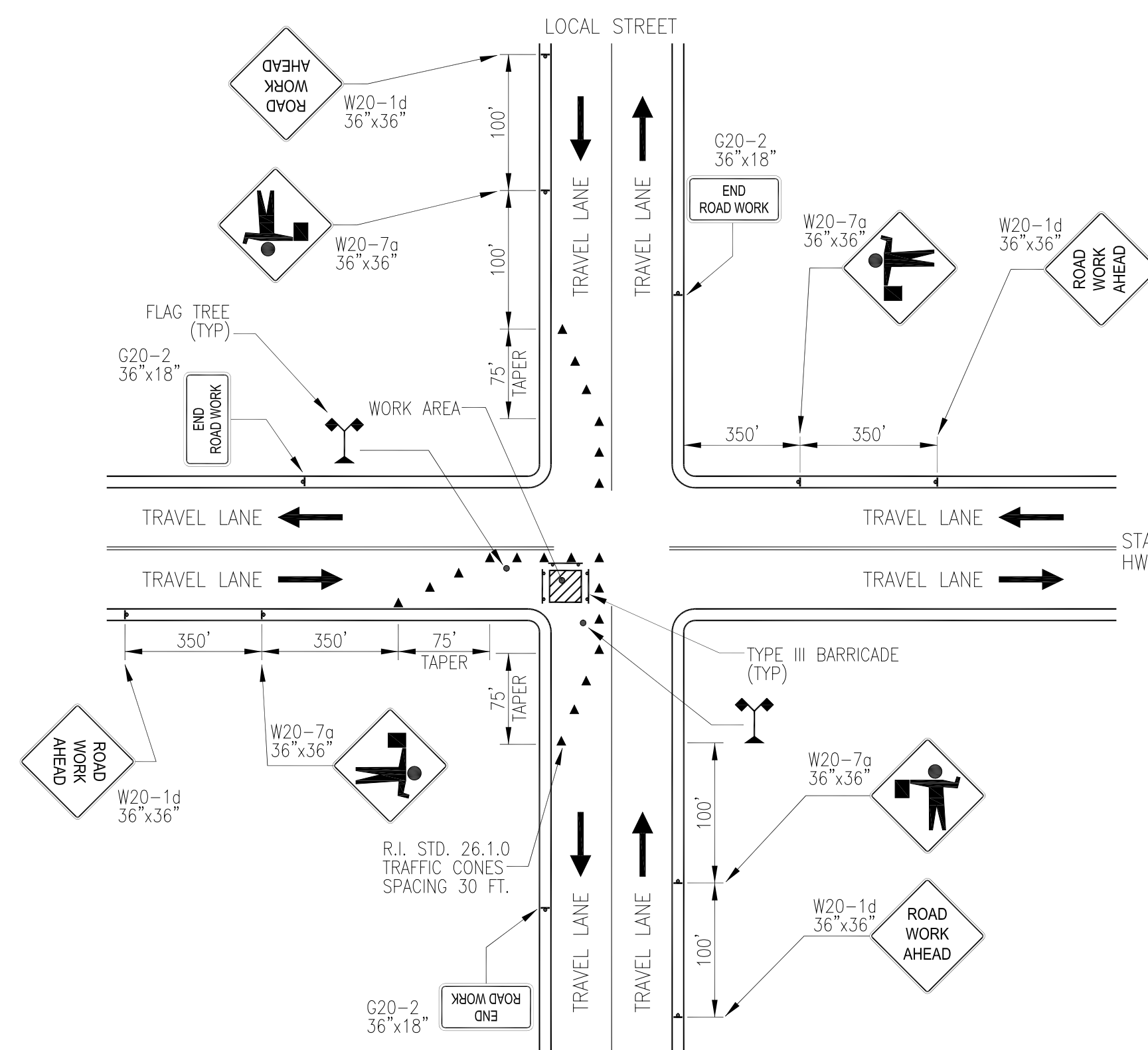
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AND AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM A PRECONSTRUCTION SURVEY OF THE PROJECT CORRIDOR. THE SURVEY SHALL LOCATE, MEASURE, PHOTOGRAPH AND OTHERWISE DOCUMENT THE PRECONSTRUCTION CONDITION OF MANHOLES, HAND HOLES, CURBING, CATCH BASINS, DROP INLETS, SIDE WALKS, TRAFFIC SIGNALS AND LOOP DETECTORS, ETC. PROVIDE TWO COPIES OF REPORT TO RIDOT AND ENGINEER A MINIMUM OF TEN DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL AVOID DAMAGE TO EXISTING MANHOLES, AND CONDUIT WITHIN THE STATE HIGHWAY LINES. AND DAMAGES TO THESE STRUCTURES SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH STATE STANDARDS AND SPECIFICATIONS AT NO COST TO THE OWNER OR RIDOT.
- PERMANENT AND TEMPORARY PATCHES SHALL MATCH THE EXISTING PAVEMENT SURFACES WITH A ¼ INCH TOLERANCE. ALL HUMPS OR DEPRESSIONS EXCEEDING THE SPECIFIED TOLERANCE SHALL BE CORRECTED BY REMOVING THE DEFECTIVE WORK AND REPLACING IT WITH NEW MATERIAL AS DIRECTED.
- THE RIDOT RESERVES THE RIGHT TO DISCONTINUE ANY TRAFFIC CONTROL SETUP OR ACTIVITY ON A STATE ROADWAY IF THE TRAFFIC CONTROL SETUP IS CREATING UNACCEPTABLE TRAFFIC CONGESTION OR DELAYS. ALL TRAFFIC CONTROL PLANS MUST BE IN COMPLIANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. NO PARKING IS ALLOWED WITHIN THE WORK AREA. CONTRACTOR EMPLOYEES MUST BE OFF THE ROAD NOT WITHIN THE CLEAR ZONE.
- THE CONTRACTOR MUST SCHEDULE THE TEMPORARY REPAIR TO ANY COMPLAINT DUE TO CONSTRUCTION OPERATIONS WITHIN 72 HOURS OF NOTIFICATION OF THE COMPLAINT.
- THE PAVEMENT MATCHING MATERIALS INCORPORATED IN THE CONSTRUCTION MUST BE COMPATIBLE WITH THE EXISTING MATERIALS SO THAT THE HIGHWAY'S INTEGRITY IS NOT ADVERSELY AFFECTED. THE THICKNESS OF THE NEW MATERIALS MUST EQUAL THOSE OF THE EXISTING, AS MINIMUMS.
- ALL PAVEMENT TRENCHES AND PATCH AREAS SHALL BE SAW CUT PRIOR TO EXCAVATION. OVER SAW CUTTING CORNERS OF TRENCH IS NOT ALLOWED.
- THE CONTRACTOR MUST REPLACE ANY AREA THAT IS DISTURBED DURING THE CONSTRUCTION WITH IN KIND MATERIALS.
- TEMPORARY WATERBORNE PAVEMENT MARKINGS MUST BE USED AT THE END OF EACH DAY OR PAVING. THE PERMANENT EPOXY RESIN PAVEMENT MARKINGS SHALL BE PLACED ON THE FINISH COURSE OF PAVEMENT WITHIN SEVEN WORKING DAYS.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ONE FULL TRAVEL LANE (ALTERNATING) LANE (12 FOOT MINIMUM) AT ALL TIMES DURING WORKING HOURS WITH FLAG PERSONS ACTIVELY ENGAGED IN DIRECTING TRAFFIC. DURING NON-WORKING HOURS THE CONTRACTOR MUST MAINTAIN ALL LANES OF TRAVEL OPEN TO TRAFFIC. THE CONTRACTOR SHALL PROVIDE SAFE EGRESS AND INGRESS TO ALL SIDE STREETS AND DRIVEWAYS AT ALL TIMES.
- NO TRAFFIC SIGNAL SYSTEM SHALL BE PERMITTED TO BE OUT OF ITS DESIGNATED TIMES OPERATION FOR MORE THAN 72 HOURS.
- UPON NOTIFICATION BY THE DEPARTMENT OF A DEFICIENT TRAFFIC SIGNAL SYSTEM, THE CONTRACTOR WILL RESPOND WITHIN NINETY MINUTES AND IMMEDIATELY TAKE STEPS TO COMMENCE REPAIR OPERATIONS. THE REPAIR OPERATIONS WILL INCLUDE ALL MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS REQUIRED TO RESTORE THE TRAFFIC SIGNAL SYSTEM TO ITS ORIGINAL DESIGNED TIMED OPERATION.
- A CONSTRUCTION SCHEDULE MUST BE SUBMITTED TO RIDOT PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL SUPPLY TO THE OWNER AND RIDOT BOTH THE HOME TELEPHONE AND CELLULAR/PAGER NUMBERS OF AT LEAST THREE PERSONNEL WHO WILL BE AVAILABLE ON A 24 HOUR BASIS FOR THE DURATION OF THE CONTRACT IN THE EVENT OF AN EMERGENCY. UPON NOTIFICATION BY THE ENGINEER, THE CONTRACTOR THROUGH ITS PERSONNEL SHALL RESPOND TO THE SITE OF AN EMERGENCY WITHIN NINETY (90) MINUTES AND IMMEDIATELY TAKE STEPS TO COMMENCE REPAIR.
- THE CONTRACTOR SHALL REFER TO CONTRACT SPECIFICATIONS FOR FURTHER REQUIREMENTS AND DETAILS FOR WORK WITHIN THE STATE HIGHWAY.

NOTES:

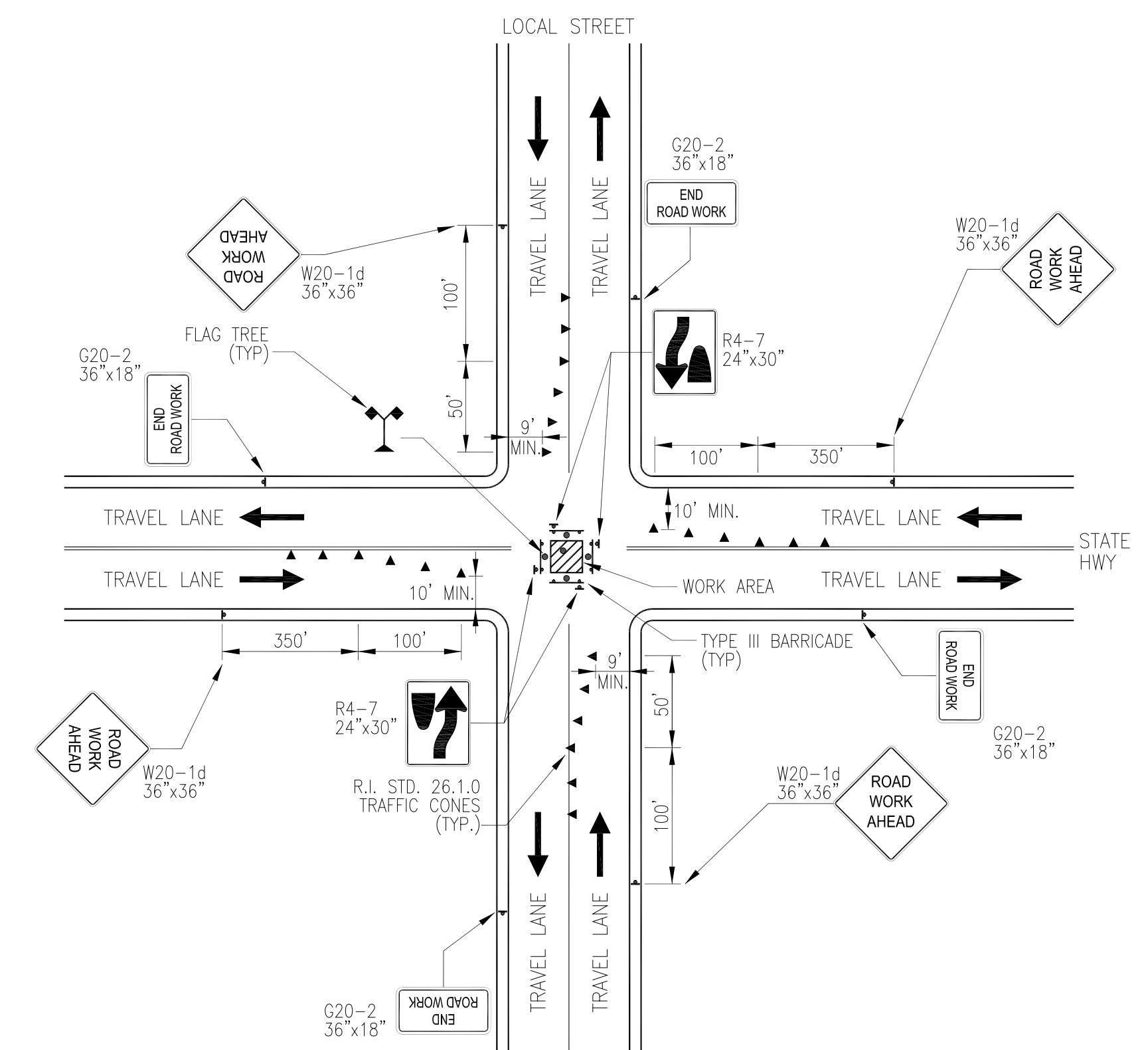
- CHANNELING DEVICES OF TEMPORARY TRAFFIC BARRIERS SHALL BE USED TO SEPARATE OPPOSING VEHICULAR TRAFFIC.
- TEMPORARY CONSTRUCTION SIGNING AND BARRICADES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- ALL TEMPORARY CONSTRUCTION SIGNING AND BARRICADES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
- TEMPRARY CONSTRUCTION SIGNS SHALL BE BLACK LETTERING REFLECTORIZED ORANGE BACKGROUND (ENCAPSULATED LENS).
- ALL SIGN LEGENDS AND BORDERS SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES–LATEST EDITION.
- CONTRACTOR SHALL MODIFY TRAFFIC CONTROL PLAN AS REQUIRED FOR CONSTRUCTION OPERATION.
- CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO RIDOT PRIOR TO START OF CONSTRUCTION OPERATIONS.



TYPICAL ONE LANE OPERATION
N.T.S.



TYPICAL TRAFFIC CONTROL AT SIDE OF INTERSECTION
N.T.S.



TYPICAL TRAFFIC CONTROL AT CENTER OF INTERSECTION
N.T.S.

PAWTUCKET WATER SUPPLY BOARD	
WATER DIST. SYSTEM IMPROVEMENTS CONTRACT - MR14	
MAIN REPLACEMENT	
MISCELLANEOUS DETAILS	
MARCH 2021	SCALE: NTS

ATTACHMENT 3

APPENDIX B

Pawtucket Proposed Water Main Replacement MR-14

2024 Construction Season

<u>Street</u>	<u>Limits</u>	<u>Length</u>
Benefit St	Madison to Pinecrest	2,374
Clews St	Benefit St to dead end	2,125
Day St	Beverage Hill Ave to Plain St	606
Grand View Rd	Dora to Power	766
Grosvenor Ave	Sando to Power	1,046
Katama Rd	Naushon to Naushon	787
Main St	Ann Mary to West	710
Moshassuck St	Main to Esten	830
Naushon Ct	Naushon to #16 Naushon Ct	155
Naushon Rd	Alex Mcgregor to Alex McGregor	1,988
Pequot Rd	Naushon to MA line	1,298
Prentice Ave	Power to Smithfield	1,182
Tashmoo Way	Naushon to Naushon	580
Terrace Ave	Windmill to Dora	314
Trieste St	Power to Buchanan	702
Varnum Ave	Power to Fiume	828

2025 Construction Season

<u>Street</u>	<u>Limits</u>	<u>Length</u>
Archer St	Rice to Revere	515
Bayley St	Pine to Main/Dexter	872
Blackburn St	Elmcrest to Cottage	394
Cedarbrook Rd	Mill to Cottage	589
Central Ave	Newport to Benefit	3,281
Commerce St	Bayley to Main	352
Crest Dr	Revere to Pinecrest	415
Dunnell Lane	Prospect to Dunnell Lane East	653
Elmcrest Dr	Blackburn to Cottage	453
Flint St	# 47 Flint to # 148 Flint	968
Lake St	Bacon to #45 Lake	584
Maple St	Main to Summer	400
Mayfield St	Evergreen to Walcott	780
Peckham St	Newport to Grand	496
Revere St	Archer to Weldon/Crest	481
Riley St	Mendon to Kenyon	1,071
Washburn St	Ames to #22 Washburn	240
Welden St	Rice to Revere	575

ATTACHMENT 4:



85 Branch St
Pawtucket, RI 02860
401-729-5000
www.PWSB.org

MR-14 Improvement Contract Prebid Conference Attendance Sign-In Sheet 4/30/2024

Attendee	Company/Organization	Address	Phone	Email
Steve Soito	PWSB	85 Branch St, Pawt., RI	(401) 729-5011	ssoito@pwsb.org
Matt Pion	C.B. UTILITY CO. (INC)	99 TUPELO ST BRISPA, RI	401-252-9277	MPION@CB-UTILITY.COM
FRANK WATSON	D'AMBRA	80 WESTER DIXIE BLVD	401-265-4635	rwilkins@d-ambra.com
Tony Goncalves	PWSB	85 Branch	401-742-5916	TGoncalves@pwsb.org
Kate Peters	PWSB	85 Branch	401-729-5002	kpeters@pwsb.org
Matt Sweeney	PWSB	85 Branch	401-742-4727	msweeney@pwsb.org
Mark Munoz	PWSB	85 Branch	208-241-8654	mmunoz@pwsb.org
DAVE HUGHES	PWSB	"	401-729-5015	dhughes@pwsb.org
Carl Eidan	FERRARA CONST	Warwick, RI	401-871-2435	CEidan@ferraraconstruction.com
Peter WINSANT	PALUDOS	177 ROOSEVELT BLVD	401-728-0500	PWINSANT@PALUDOS.COM
Russ Houde	PWSB	85 Branch St.	401-742-4721	RHOUDE@PWSB.ORG
MARC PONTES	PWSB	85 BRANCH ST.	401-742-6945	MPONTES@PWSB.ORG
	D'AMBRA		401-265-4635	rwilkins@d-ambra.com