



# Peabody Municipal Light Plant

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Community Owned. Not for profit. It's Ours.

## LEGAL NOTICE

Pursuant to Massachusetts General Laws, Chapter 164 §56D and Chapter 30 §39M, the Peabody Municipal Light Plant is asking for bids on:

### Pipe Modifications and Support of In-Line Inspection of 10" Natural Gas Pipeline

Specifications and bid documents may be obtained at the Peabody Municipal Light Plant (PMLP), 201 Warren Street Extension, Peabody, Massachusetts or at our website <http://pmlp.com/bids.html>

Bids will be received at the PMLP office at 201 Warren St. Ext., Peabody, MA 01960 until **11:00 a.m.**, Thursday, January 12, 2017 at which time they will be publicly opened and read. Bids must be accompanied by a completed bid form.

The Peabody Municipal Lighting Commission reserves the right to reject any or all bids as authorized by law.

PEABODY MUNICIPAL LIGHT PLANT

  
\_\_\_\_\_  
GLENN TRUEIRA, MANAGER

GT/pas

ADV.: MA Central Register  
The Salem News -12/21/2016  
Dodge Report  
PMLP Website

BID PACKAGE & SPECIFICATIONS

APPROVED BY:   
\_\_\_\_\_  
Division Manager



## **Peabody Municipal Light Plant**

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# **REQUEST FOR BIDS**

**For**

# **Pipeline Modifications and Support of In-Line Inspection Of PMLP's 10" Natural Gas Pipeline**

**Peabody Municipal Light Plant (PMLP)**

201 Warren Street Extension

Peabody, MA 01960

Prepared by TRI-MONT, Engineering Co.  
for Peabody Municipal Light Plant (PMLP)

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# Peabody Municipal Light Plant

**Community Owned. Not for profit. It's Ours.**

## **SECTION 1 - INSTRUCTIONS TO BIDDERS**

1. Peabody Municipal Light Plant (PMLP) will receive bids for Pipe Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline –12/21/2016 until 11:00 a.m., January 12, 2017 at its Offices at 201 Warren Street Ext., Peabody, Massachusetts, 01960, at which time the bids will be publicly opened and read.
2. **BIDS --**
  - A. All bids must be submitted along with the completed Bid Form provided in these specifications. If additional space is required, it shall be so noted on a supplemental attachment under the bidder's letterhead and entitled "Remarks". This attachment shall become a part of the Bid Form.
  - B. The Bid Form shall be without interlineations, alterations, erasures or changes in phraseology.
  - C. The Bid Form shall be enclosed in a sealed envelope, clearly marked on the outside with the bidders name and address, and the following bold lettering: "**BID: Pipe Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline- 12/21/2016**".

Three copies of all bids must be submitted in a sealed envelope properly marked with the Title of the bid and mailed/delivered to:

Peabody Municipal Light Plant  
Attn: Glenn Trueira, Manager  
201 Warren Street Extension  
Peabody, MA 01960

- D. The Bid Form and supplemental sheets identified on same shall constitute, and shall hereinafter be termed the "Bid".
- E. The firm submitting a bid shall assume the responsibility of making a careful examination of the specifications and related documents and all other matters that may affect cost and performance. In making said examination, the bidder shall procure all pertinent information concerning **prevailing wage rates** to be paid on each job as determined by the Massachusetts Office of the Attorney General. The bidder shall pay the aforesaid rates and shall indemnify and hold harmless the

**SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

Peabody Municipal Light Plant, its agents, servants, and employees and the Commissioners jointly and severally as they constitute a duly elected board by the citizens of the City of Peabody for the failure to pay the prevailing wage as listed at the time of the awarding of a contract as well as any other applicable provision of Massachusetts General Laws Chapter 149 attendant thereto. Bidders are required, at their own expense, to comply with all statutes, including, but not limited to, the aforesaid prevailing wage rate, regulations, ordinances and tests which may be applicable.

- F. Each firm shall submit with their bid, a bid bond or a certified check equal to five percent (5%) of the lump sum for project bid prices or five percent (5%) of the total annual cost for per unit bid prices. **If the bid bond or certified check is not included, bids shall be rejected.** (The bid bond will be returned within fourteen (14) days after the award of contract).
- G. Each firm shall submit with their bid evidence of their experience and qualifications to satisfactorily fulfill the specifications and requirements.
- H. Each firm submitting a bid shall notify PMLP, in writing, if they find any discrepancies or omissions from the specifications, or if in doubt as to their meaning. If an explanation is necessary, a reply will be made by an addendum issued to all firms who have received specifications. PMLP will not give verbal answers to any inquiries regarding the meanings of the specifications. All inquiries should be addressed to PMLP, Attention: Glenn Trueira, Manager, 201 Warren Street Ext., Peabody, Massachusetts, 01960.

**3. CHANGES IN SPECIFICATIONS --**

PMLP may advise all firms who have received specifications, by means of addenda, of any changes in the Specifications during the bid period. All such changes shall become a part of the Specifications as if originally included therein.

**4. SITE INSPECTIONS --**

PMLP is not responsible for any inspections, visits, etc., that may be made to any sites or potential sites in connection with this work. The coordination, approval, and expense for such inspections, visits, etc., is the responsibility of the bidder. Inspections can be scheduled by appointment only Monday through Friday by contacting Bryan Howcroft at 978-573-1239. The site is located at 58 Pulaski Street, Peabody, MA as shown in Append 7.1 on the General Location Plan. NOTE: The facility has controlled access.

**5. PRICES --**

All prices and applicable discounts will be firm for a minimum of sixty (60) days. Bidders must include on a separate sheet, any discount schedule which may be applicable to this purchase. The bid prices

**SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

shall include everything necessary for fulfillment of the Contract, including delivery and unloading (at PMLP jobsite, Peabody, MA), except as may be otherwise expressly provided in the Contract Documents.

All bids must be lump sum priced. Each bid shall contain an all-inclusive rate per hour to accommodate any additions or deletions to the scope of work. Each bid shall contain an all-inclusive rate per hour for each hour of overtime incurred due to scope changes.

**6. ESCALATOR CLAUSES – N/A**

Not applicable to this Scope of Work.

**7. EXECUTION OF CONTRACT --**

- A. The Successful Firm will be notified of the award of the Contract in writing and shall properly and promptly execute a Contract on the PMLP Contract Form, within fifteen (15) days after receiving notification of the Award of the Contract.
- B. The Successful Firm is required to provide a performance bond equal to the total bid price. This requirement will be included in the contract language.
- C. **The Successful Firm is required to provide a "Certificate of Insurance"**, in accordance with the specifications of this bid, upon the execution of said contract. PMLP strictly prohibits commencement of work under said contract until a proper "Certificate of Insurance" has been received by PMLP.
- D. The Contract, when executed, shall be deemed to include the entire agreement between the parties. The Seller shall not be entitled to any modifications resulting from unauthorized claims or statements made by representatives of PMLP or other persons.
- E. Upon execution of the Contract, the Successful Firm must start the project as soon as possible and complete the project within fifteen (15) days of the start date, unless otherwise approved. Scheduling the work will require coordination with the ILI-Contractor, PMLP, and TGP.

**8. TERMS AND CONDITIONS --**

The terms and conditions of the contract shall be in accordance with the attachment entitled "PMLP's Terms and Conditions." Any exceptions to these terms and conditions must be clearly identified in the bid under the category of exceptions to the Purchaser's terms and conditions.

**9. DEFINITIONS --**

**SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

The names and words Peabody Municipal Light Plant, PMLP, Purchaser, Owner, and Buyer as used in these documents are synonymous. The names and words, Bidder, Contractor, Firm, Seller, Vendor, and Manufacturer as used in these Contract documents are synonymous.

**10. RIGHT TO ACCEPT OR REJECT --**

PMLP reserves the right to accept or reject bids or portions thereof, and to reject all bids, to waive any formalities in the process, if it is deemed to be in the best interests of PMLP. Bids received after the public opening date and time shall not be accepted.

**11. ITEMS CONTAINED IN THE BID PACKAGE --**

- A. Legal Notice
- B. Instructions to Bidders
- C. PMLP's Terms and Conditions
- D. Sample Contract
- E. Certificate of Non-Collusion
- F. Tax Compliance Certification
- G. Bid Form
- H. Specifications - Pipeline Modifications and Support of In-Line Inspection

**--- END OF SECTION---**

## **SECTION 2 - PMLP'S TERMS AND CONDITIONS** **MATERIALS & LABOR CONTRACT**

### **1. ENTIRE AGREEMENT AND AMENDMENTS**

The terms and provisions of this Contract, together with the terms and provisions of all documents incorporated herein by reference, constitute the full and entire Contract between the Purchaser and the Seller concerning the matters set forth herein, and no other agreement or understanding of any nature whatsoever has been entered into or will be recognized, nor has the Purchaser made any inducements or representations to the Seller except as expressly stated in this Contract. No modification of this Contract shall be binding or have any force or effect on either party, unless reduced to writing and signed by the Purchaser and the Seller, or the authorized representatives of same. No provision of this Contract is intended or shall be construed to be for the benefit of any third party.

### **2. CHANGES AND/OR AMENDMENTS**

The Purchaser shall have the right, from time to time during the terms of this Contract, by written notice to the Seller, to make changes in or additions to drawings, specifications or instructions for the work covered in the Specifications, including the right to expand, decrease or limit the scope and nature of the work to be undertaken, or redirect work already in progress.

Any change to this contract requires written authorization signed by both purchaser and seller prior to any extra work performance. All change orders which result in an increase or decrease in project cost shall be signed by the Manager prior to commencement of any work under said change order. Work performed but not specified as part of this contract shall be considered as included in the original contract price unless said work was performed after seller received written authorization signed by the purchaser.

### **3. PERFORMANCE**

Time is of the essence in this Contract. If the Seller shall fail in any respect to prosecute the work with promptness and diligence, the Purchaser may cancel this Contract in part or in its entirety without liability for the cancelled part(s).

### **4. PATENTS, TRADEMARKS, COPYRIGHTS**

It is mutually understood and agreed that the Contract includes all royalties and costs arising from patents, trademarks and copyrights in any way involved in the work. If the Seller, or its sub-vendors/sub-contractors, is required or desires to use any design, device, material or process covered by letters, patent, trademark, or copyright, the Seller indemnifies and holds harmless the Purchaser from any and all claims for infringement by reasons of the use of any such patented design, device, material or process to be performed under the Contract and shall indemnify the Purchaser for any costs, expenses and damages which they may be obligated to pay by reason of such infringement, at any time during the prosecution or after the completion of the work. The Purchaser shall give to the Seller notification of the source of any such suit or proceeding and shall furnish the Seller (at the Seller's expense) all needed information,



**SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

authority and assistance to enable the Seller to defend the same. If any material, equipment, or work is in any such suit or proceeding held to constitute infringement or its use is enjoined, the Seller, within a reasonable time, shall either secure for the Purchaser, at the Seller's own expense, the right to continue using said material, equipment or work by suspension of the injunction, by procuring for the Purchaser a license, or otherwise, or shall at the Seller's own expense and as the Purchaser may elect, replace such material, equipment or work with non-infringing material, equipment or work, or modify it so that it becomes non-infringing, or remove such infringing material, equipment or work, and refund the sums paid therefore by the Purchaser all without injury or damage to any other property of the Purchaser.

**5. INDEPENDENT CONTRACTOR RELATIONSHIP**

The Seller shall perform work as an independent Contractor.

**6. INSPECTION EXPEDITING**

All material, equipment and/or work to be supplied under this contract is subject to inspection and/or expediting by the Purchaser or its representative. The Seller shall allow the Purchaser or its representative free access to Seller's works and provide free access to the works of Seller's sub-vendors/sub-contractors.

**7. COMPLIANCE WITH LAW**

The Seller will comply with all applicable federal, state, and local laws, rules and regulations. Compliance includes, but is not limited to, the Occupational Safety and Health Act of 1970, OSHA Regulations, APPA Safety Manual, Executive Order 11246 (Equal Opportunity) and guidelines established by the Council on Wage and Price Stability, all as amended periodically.

Seller agrees to comply with the provisions of the Occupational Safety and Health Act of 1970 and the Standards and Regulations issued thereunder and certifies that all items furnished under this Contract will conform to and comply with said standards and regulations. Seller further agrees to indemnify and hold harmless the Purchaser from all damages assessed against the Purchaser as a result of the seller's failure to comply with the Act and the standards issued thereunder and for the failure of the items furnished under this Contract to so comply. The Bidder shall procure all pertinent information concerning prevailing wage rates to be paid on each job as determined by the Massachusetts Office of the Attorney General. The Contractor shall pay the aforesaid rates and shall indemnify and hold harmless the Peabody Municipal Light Plant, its agents, servants, and employees and the Commissioners jointly and severally as they constitute a duly elected board by the citizens of the City of Peabody for the failure to pay the prevailing wage as listed at the time of the awarding of a contract as well as any other applicable provision of Massachusetts General Laws Chapter 149 attendant thereto. Bidders are required, at their own expense, to comply with all statutes, including, but not limited to, the aforesaid prevailing wage rate, regulations, ordinances and tests which may be applicable.

**Contractor must submit weekly payroll records to the Peabody Municipal Light Plant Engineering Dept.** designated staff member **for all employees who have worked on the project.** Please take notice that Massachusetts Law requires Contractors to preserve these records for three years.

**8. RISK OF LOSS**

Risk of loss and/or damages shall be upon Seller until goods are physically delivered to the Purchaser's plant, storerooms, job site, or location indicated in the Contract Document. Materials will be considered as delivered only if all goods are physically received in proper condition and accepted by purchaser.

**9. DELIVERIES**

The Purchaser will receive shipments Monday through Friday, holidays excluded, during its normal receiving hours (8:00 AM - 3:00 PM). Any cost associated with shipments made during any time other than this receiving period will be to the Seller's account. All deliveries will be at PEABODY jobsite, Peabody, Massachusetts unless otherwise specified in the Peabody Municipal Light Plant specification section attached hereto.

**10. ASSIGNMENT AND SUBCONTRACTING**

The Seller's obligations authorized under this Contract are not assignable or transferable, and the Seller agrees not to subcontract any of the work authorized hereunder without the prior written approval of the Purchaser. The Purchaser retains the right to approve or disapprove of all subcontractors for such approved work.

**11. OWNERSHIP OF PRODUCT**

All technical data, evaluations, specifications, reports, studies, are the property of the Purchaser and shall be delivered to the Purchaser. The Seller may retain copies thereof for its files and its internal use.

**12. TECHNICAL PUBLICATION**

Publication or teaching of information directly derived from work performed, or data obtained, in connection with services rendered under this Contract must first be approved in writing by the Purchaser.

**13. CONFIDENTIALITY**

The Seller shall keep all services carried out hereunder for the Purchaser (described in the Specifications attached hereto) entirely confidential, and not use, publish, or make known without the Purchaser's written approval, any information furnished by the Purchaser for purposes of such services, to any persons other than personnel of the parties of this Contract.

Any public representation regarding the Purchaser shall be made by the Purchaser, and any requests for information made to the Seller by a Third Party shall be referred to the Purchaser.

**14. WAIVER**

In the event the Purchaser shall fail to insist on performance of any of the terms or the exercise of any of its rights and privileges, such failure or any breaches, shall not constitute a waiver of such terms, conditions, rights or privileges.

**15. WARRANTY**

The Seller warrants to the Purchaser that the article(s) provided and/or work performed under this Contract shall be fit for purpose in accordance with the Purchaser's specific instructions, shall be new and free from defects in material, workmanship and title, and shall meet all specifications. If the article(s) purchased and/or work performed do not meet the warranty above, the Purchaser, after determining a defect or non-conformance, will notify the Seller. At the sole discretion of the Purchaser, the Seller shall replace, repair, or make good, without cost to the Purchaser, any defects or non-conformance arising within one year after date of acceptance of article(s) furnished and/or work performed.

**16. CUMULATIVE REMEDIES**

Every right or remedy herein conferred upon or reserved to the Purchaser shall be cumulative and shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute, and the pursuit of any right or remedy shall not be construed as an election.

**17. DELAYS**

The Seller expressly agrees to the work schedule provided for in the Contract and such schedule includes allowances for all hindrances and delays incident to the work. No claims shall be made by the Seller for hindrances and/or delays from any cause during the progress of the work except as provided under "SUSPENSION OF WORK" and/or "FORCE MAJEURE".

**18. SUSPENSION OF WORK**

The Purchaser reserves the right to suspend and reinstate execution of the whole or any part of the work without invalidating the provisions of the Contract. Orders for suspension or reinstatement of work will be issued by the Purchaser to the Seller in writing. The time of completion of the work will be extended for a period equal to the time lost by reason of the suspension. No consideration shall be given by the Purchaser to cost increases or loss of anticipated profits, due to suspension or reinstatement of this Contract.

**19. FORCE MAJEURE**

A delay in, or failure of, performance of either party hereto shall not constitute default hereunder or give rise to any claim for damage if and to the extent such delay or failure is caused by occurrences beyond the control of the party affected, including, but not limited to, acts of God, or the public enemy, expropriation or confiscation of facilities or compliance with any order or request of a governmental authority, affecting to a degree not presently existing, the supply, availability, or use of materials or labor, acts of war, public disorders, rebellion or sabotage, floods, riots, strikes, or any causes whether or not the class or kind of those specifically named above, not within the control of the party affected and which, by the exercise of reasonable diligence, said party is unable to prevent. Should the work be delayed due to Force Majeure, or otherwise delayed due to conditions beyond the control of or without the fault or negligence of either party, the parties to this Contract shall confer to reach an agreement on the alterations of fees and/or other terms and conditions upon which the work shall be continued, or otherwise terminated.

**20. ARBITRATION**

Arbitration of all questions and issues in dispute under this Contract shall be submitted to Arbitration in accordance with the provisions of the standard Form of Arbitration of the American Arbitration Association, but only in the event that both parties to this Contract so agree to such submission for Arbitration. If both parties fail to agree to submit to Arbitration in the manner prescribed above, or to submit to Arbitration in any mutually acceptable form, all questions and issues in dispute will be submitted to a court of competent jurisdiction of the Commonwealth of Massachusetts to be tried according to the applicable laws of the Commonwealth of Massachusetts.

Costs of such arbitration will be shared equally by the parties, unless the arbitrator determines that the claim made by one of the parties is without merit, in which event the arbitrator may award costs to the other party.

**21. TERMINATION FOR CAUSE**

The Purchaser, on written notice, may suspend, postpone, abandon or terminate this Contract, or any part thereof, as a result of the Seller's failure to render to the satisfaction of the Purchaser the materials, work and/or services required of him under this Contract, including the progress of the work. The Purchaser shall be the sole determinant in all termination for cause issues and no consideration shall be given by the Purchaser to the Seller for any costs, claims, or loss of anticipated profits by the Seller as a result of the suspension postponement, abandonment or termination of this Contract, or any part thereof, by the Purchaser for the reason of cause.

**22. TERMINATION FOR CONVENIENCE**

The Purchaser, on written notice, may suspend, postpone, abandon or terminate this Contract or any part hereof, and such action shall in no event be deemed a breach of the Contract. Such suspension, postponement, abandonment or termination may come about for the sole convenience of the Purchaser. Upon receipt of written notification from the Purchaser that this order, or any part hereof, is to be terminated, the Seller shall immediately cease operations of the work stipulated, and assemble all material that has been prepared, developed, furnished or obtained under the terms of this Contract that may be in its possession or custody, and shall transmit the same to the Purchaser on or before the fifteenth day following the receipt of the above-written notice of termination, together with his evaluation of the cost of the work performed. The Seller shall be entitled to just and equitable payment in accordance with this Contract for any uncompensated work satisfactorily performed prior to such notice. The Purchaser shall determine the amount of acceptable work performed by the Seller under this Contract. The Purchaser's evaluation shall be used as a basis to determine the amount of compensation due the Seller for this work, provided it shall be made in good faith and supported by substantial evidence.

In determining the value of the work performed by the Seller prior to termination, no consideration will be given to profit which the Seller might have reasonably expected to make on the uncompleted portion of the work.

**23. INSURANCE**

The seller shall, at its own expense, maintain in effect at all times during the performance of the work, insurance coverage with limits not less than those set forth below with insures and forms of policy satisfactory to the purchaser.

The Seller shall deliver to the Purchaser no later than ten (10) days after contract date or prior to commencing work, whichever is sooner, Certificates of Insurance, identified on their fact by Contract number and work description as evidence that policies providing such coverage and limits of insurance are in full force and effect. **Such certificates shall name PMLP as additional insured.** The Seller shall provide that at least sixty (60) days' advance written notice will be given the Purchaser prior to cancellation, termination, or material alteration of said policies of insurance. **Seller shall ensure that all intended Subcontractors similarly provide Insurance Certificates meeting the requirements of these Specifications and also naming PMLP as additional insured.**

COVERAGE	MINIMUM LIMITS
1. Workers Compensation	-Statutory requirements of the Commonwealth of MA
2. Employer's Liability	-To extent included under Workers Compensation insurance policy with a minimum limit of \$100,000
3. *Comprehensive General Liability:	
a) Bodily Injury	\$3,000,000 each occurrence
b) Property Damage	\$3,000,000 each occurrence
4. Comprehensive Automobile Liability (owned, hired, and non-owned)	
a) Bodily Injury	-\$500,000 each person
	-\$1,000,000 each occurrence
b) Property Damage	-\$50,000 each occurrence

**24. INDEMNIFICATION**

The Seller shall defend, indemnify and hold the Purchaser, and its employees free and harmless from and against any and all claims, demands, causes of action, suits or other litigation (including all costs thereof, including attorney's fees) of every kind and character arising on account of bodily injuries, death, damage to property in any way occurring incident to, arising out of or in connection with work performed or to be performed by the Seller hereunder or occurring incident to, arising out of or in connection with the presence of employees of the Seller or any of the Seller's subcontractors on the work premises, due to the negligence or willful misconduct of the Seller.

**25. LAW OF CONTRACT - JURISDICTION**

The Contract shall be construed under and shall be governed by the Laws of the Commonwealth of Massachusetts, and in case of controversy not otherwise settled shall be submitted to the exclusive jurisdiction of the Massachusetts Courts.

**26. AUDIT**

The Seller shall, at its own expense, keep and maintain complete records and books of account of its costs and expenses relating to the work in accordance with generally accepted accounting practices. Should a dispute arise between the Purchaser and Seller regarding reimbursable amounts and/or credits, the Seller shall grant the Purchaser permission to audit such records and books of account.

**27. TAXES**

The Seller shall pay all applicable state and local sales and use taxes on sales to, or used by, the Seller of tangible property and services employed by the Seller in the performance of the Contract. The Seller shall identify all costs in connection therewith. The Purchaser is an organization exempt from the payment of such state and local taxes of tangible property and services, and will not reimburse the Seller for such taxes paid. PMLP's Tax Exempt I.D. # can be provided to the selected Bidder as appropriate upon written request.

**28. ACCEPTANCE**

This order expressly limits acceptance to the terms stated herein. Any additional or different terms proposed by the Seller are objected to and are hereby rejected.

**29. COMPLETION OF CONTRACT**

This Contract will not be considered complete until all specifications and Contract requirements have been satisfied. These requirements also include the Purchaser's acceptance of all documentation, drawings, manuals, etc. Final payment shall not be construed to relieve the Seller of any of its obligations under this Contract.

**30. NOTICE**

The Purchaser agrees to give the Seller immediate notice of any and all claims for which the Seller may be liable, and the Seller agrees to give the Purchaser immediate notice of any and all claims for which the Purchaser may be liable. All claims hereunder shall be in writing and shall be deemed to have been duly given if delivered or mailed, first class, registered mail, postage paid.

A. IF TO THE SELLER, ADDRESS:

\_\_\_\_\_

B. IF TO THE PURCHASER, AT: PEABODY MUNICIPAL LIGHT PLANT, 201 WARREN STREET EXT., PEABODY, MASSACHUSETTS, 01960.

**31. VENDOR IDENTIFICATION**

The Seller's name or corporate identification shall be clearly displayed on all vehicles and other similar equipment at all times while work is performed under this Agreement.

**--- END OF SECTION---**

**SECTION 3 - SAMPLE CONTRACT**

AGREEMENT made this \_\_\_\_\_(day) by and between the Peabody Municipal Light Plant, a business duly established under the laws of the Commonwealth of Massachusetts and having a usual place of business at 201 Warren Street Extension, Peabody, Massachusetts 01960, hereinafter referred to as "PMLP" and \_\_\_\_\_(vendor), having a usual place of business at \_\_\_\_\_(address), hereinafter referred to as \_\_\_\_\_(nickname).

WITNESSED, that PMLP & \_\_\_\_\_(nickname), for the consideration hereinafter stated, agree as follows:

1. That \_\_\_\_\_(nickname) shall furnish materials, labor, reports, and services as set forth in the specifications incorporated in a bid dated \_\_\_\_\_(Bid date).
2. All materials, labor, reports, and services shall be furnished and/or delivered to PMLP as defined in the attachments hereto.
3. The Contract price for the materials, labor, reports, and services shall be per the bid price of \_\_\_\_\_(amount) as set forth on the bid form for Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline dated \_\_\_\_\_( Bid date) and herein incorporated by reference.
4. \_\_\_\_\_(nickname) shall not assign or transfer this contract, or any part thereof, or any sum due or to become due hereunder without the written consent of the PMLP.
5. This AGREEMENT together with the Instructions to Bidders, PMLP's Terms and Conditions, PMLP Specifications, and Bid Form, hereto attached, form this Contract and are as fully a part of this Contract as if herein repeated.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT the day and year above first written.

\_\_\_\_\_(company name)

PEABODY MUNICIPAL LIGHT PLANT

BY \_\_\_\_\_  
(NAME)

BY \_\_\_\_\_  
GLENN TRUEIRA, MANAGER

\_\_\_\_\_  
(TITLE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(DATE)

**SECTION 4 -**

**CERTIFICATE OF NON-COLLUSION**

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTES AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. The undersigned certifies under penalties of perjury, that this accompanying bid or proposal is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under the Commonwealth of Massachusetts or United States Law. As used in this certification, the "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

**Note:** No premiums, rebates or gratuities to any employee are permitted with, prior to, or after any delivery of materials. Any such violation will result in the cancellation and/or return of material (as applicable) and the removal from the master bidders list.

<b>Contractor's Full Legal Name: (PLEASE TYPE OR PRINT)</b>	
<b>Authorized Signature:</b>	
<b>Date:</b>	

**TAX COMPLIANCE CERTIFICATION**

Pursuant to MGL c. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

<b>Contractor's Full Legal Name: (PLEASE TYPE OR PRINT)</b>	
<b>Duly Authorized Signature:</b>	
<b>Date:</b>	
<b>Social Security # or FID #:</b>	



**SECTION 5 - PMLP BID FORM**

\_\_\_\_\_ (firm name) proposes to furnish: all labor, materials, and services for Pipe Modifications and Support of In-Line Inspection of Peabody Municipal Light Plant's 10" Natural Gas Pipeline as described in the Specifications for the following firm prices:

Labor	\$ _____
Equipment	\$ _____
Materials	\$ _____
Sub-Contractors/ Services from others	\$ _____
	TOTAL \$ _____
Additional Cost if Swamp Matts become required	\$ _____
Bid Expiration Date (at least 60 days from bid opening date)	_____
Completion Timeframe (# of days after contract execution)	_____

The above bid is in complete compliance with Technical Specifications:      Yes     No

The above bid is in complete compliance with PMLP's Terms and Conditions:      Yes     No

The above bid includes the requisite bid bond:      Yes     No

The bid include providing the requested References Contact information:      Yes     No

Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact #: \_\_\_\_\_

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

Title and Date \_\_\_\_\_

Remarks: \_\_\_\_\_

**SECTION 5 - REFERENCES**

Name, address and telephone number of three (3) references for which you have provided a similar service:

Reference Company Name:

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Contact and Phone #

---

Reference Company Name:

---

Contact and Phone #

---

Reference Company Name:

---

Contact and Phone #

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## **SECTION 6 – Specifications**

### **6.0 Specifications - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

#### **6.1 Scope of Work**

##### **6.1.1 General**

In support of PMLP's Integrity Management Program Pipeline Modifications and an In-Line Inspection must be performed on and for their 10" Natural Gas Pipeline. The general location of this pipeline is shown in Appendix 8.1 and the required Pipeline Modifications are shown in Appendix 8.2.

The Work under this effort shall be performed in accordance with these Specifications, the Drawings and the requirements of the Contract Documents; it being expressly understood that the intent of these Specifications is to provide for the completion of the required Pipeline Modifications to make PMLP's 10" Natural Gas Pipeline accessible for In-Line Inspection, to support the cleaning and In-Line Inspection of the pipeline, and to bring the pipeline back into service, including but not limited to field painting, site restoration, etc.; all in accordance with modern pipeline practice prevailing in the industry, and in full compliance with the Contract Documents and relevant codes, standards, and legislation.

All work performed by the CONTRACTOR shall be in accordance with applicable municipal, state, or federal codes and laws and such other specifications as contained herein. In the event of a conflict or conflicts between the requirements of these Specifications and any municipal, state, or federal government codes or laws, the governmental regulations shall apply.

All CONTRACTOR operations shall be confined to those areas in which the Work is to be performed or which are specifically authorized in writing by PMLP. No storage or disposal of material or debris will be allowed without PMLP'S approval.

##### **6.1.2 Existing Conditions of PMLP's Pipeline**

The PMLP pipeline was constructed in 1988 to transports natural gas from the Tennessee Gas Pipeline tap point in Danvers, MA to the PMLP Power Plant located in Peabody, MA (see Appendix 8.1).

**The PMLP pipeline consists of approximately 2,000 feet of 10" diameter ASTM A106 Grade B steel pipeline with an O.D. of 10.75" and wall thickness of 0.365". (Some previous construction documents indicate a wall thickness of 0.369"; however we believe this to be an error.) Additional records indicate that all bends are at least 1.5D Bends (long radius bends). The documented MAOP of this line is 750 PSIG being that the MAOP of Tennessee Gas Pipeline to which PMLP's pipeline interconnects is 750 PSIG.**

The pipeline was installed using open trench techniques except for the primary directionally drilled portion under the Waters River and the portion installed through a casing pipe under a rail line (see Appendix 8.3 for additional existing conditions information and documentation).

Upon completion of the original installation in 1988 the pipeline was to be pigged. An air-propelled, full-size scraper pig was to be used to remove welding debris and icicles. The cleaning pig was to be of a brush and cup design, and have a minimum of two sets of wire brushes and two scraper cups. A caliper or sizing pig was

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

also to be used, and was intended to inspect the pipeline for damage and to confirm the bore size along the full length of the installed pipeline. Also an air-propelled, oversized, squeegee-type pig was to be used to remove all remaining debris. **No report related to these pigging operations has been located.**

A Report of River Crossing Survey, related to the directionally drilled portion of the pipeline, has been included in Appendix 8.3. This report indicates the length of the drilled section of the pipeline to be approximately 1,443 feet with a depth of cover under the river bottom of 15 feet and a depth of cover in the open trenched area of approximately 3 feet.

The Alignment Sheet Plans (Plans EY-001 and EY-002) for the PMLP pipeline (see Appendix 8.3), also indicate a depth of cover under the river bottom of 15 feet and show a depth of cover in the open trenched area of approximately 3 feet.

Plan BP-001, in Appendix 8.3, provides the available detail related to how the pipeline was installed under the railroad in the cased section of the pipeline.

A Hydraulic Pressure test was performed during the original commissioning process of the pipeline in 1988, but **no report related to the hydraulic pressure test has been located.**

This pipeline has been in service since it was installed and has been providing gas to the PMLP facility in Peabody, MA on an interruptible and as needed basis since that time. This pipeline is always packed with gas but is not always flowing.

**The pipeline has not been cleaned nor inspected internally since it was installed.**

The TGP owned valve at the TGP Tap location is the valve that controls the flow of gas to the PLMLP Pipeline. (See Plan TE-E12-270C-100-17A in Appendix 8.3)

### **6.1.3 Project description**

The Contractor shall supply all materials, equipment, supervision, labor, tools, instruments, vehicles, consumables, and services necessary to complete the Pipeline Modifications and Support of the Cleaning and In-Line Inspection of PMLP's 10" Natural Gas Pipeline as specified in these documents.

**The Contractor is to support the unloading, positioning, connection, and loading of the ILI-Contractor's Launcher and Receiver and other equipment they may need for Cleaning and In-Line Inspection operations, as well as providing piping connections from launcher and receiver to 10" PMLP pipe**

The Launcher will be positioned at the TGP Tap Valve location in Danvers, MA and the Receiver will be located within the PMLP Plant location in Peabody, MA. This will enable the pipeline to be cleaned and inspected in the same direction as the normal direction of the flow of gas.

**All material, liquid, debris, etc. expelled from the pipeline during the Cleaning and Inspection process will be disposed of by the Contractor, NOT the ILI-Contractor, in compliance with applicable codes and standards.**

**The Contractor's Scope includes, but is not limited to:**

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

- Making required Contract Submittals as specified and/or required by these Bid Documents
- Establishing access to work areas and restoration of same upon completion of the work; including removal and re-installation of the fence fabric around the TGP Tap Location and in the area of the PMLP receiver location as required
- Operation of Valves that require Operator Qualifications to operate
- Supply the Group Lockout Hasp or device to secure the Valves (see Section 7.3)
- Performing required loading, unloading, material handling, etc. in support of the ILI-Contractor's Cleaning and In-Line Inspection work
- Blowing Down the Pipeline (clearing it of Natural Gas) prior to making Pipeline Modifications, including Flaring
- Completing the required Pipeline Modifications, to include Nondestructive Testing (X-Rays), as shown on the drawings in Appendix 8.2 (cutting in required flanges)
- Completing the required temporary Pipeline Modifications, to include installation and support of connecting pipe segments to the ILI-Contractor's Launching and Receiving Equipment, as shown on the drawings in Appendix 8.2
- Supporting the completion of the required Pipeline Cleaning
- Handling and disposal of all material expelled from the pipeline during cleaning and the progress of the In-Line Inspection work
- Supporting the completion of the required In-Line Inspection of the pipeline
- Reassembling the pipeline upon completion of In-Line Inspection, including leak testing and coating
- Repacking the pipeline with Natural Gas and bringing it back into service, including Flaring

PMLP and TRI-MONT Engineering Staff will be available on site prior to and during the work to facilitate any required coordination; including the coordination with the Tennessee Gas Pipeline (TGP) staff that will be required to support the operating of the TGP owned valve on the Danvers, MA side of the Pipeline.

### **6.1.4 Materials**

All materials shall conform to the standards specified, shall be new, free from defects and imperfections, and be of recent manufacture. Materials not covered by detailed specifications shall be standard products of reputable manufacturers which are suitable for the intended use.

All materials used shall have full chemical analysis and mechanical test certifications and shall be identifiable and fully traceable.

Flanges - ASTM A105, ANSI Class 600 lb., raised face, welding neck flanges, Std. wall bore

Blind Flanges – ASTM A105, ANSI Class 600 lb., raised face

Bolts – Alloy Steel, ASTM A193, Grade B7, Class 2A with Threads rolled after heat treatment

Nuts – Hex Nut, ASTM A194, Grade 2H

Insulating Gasket - ANSI Class 600 RF, Type EDW, Full Face Phenolic Gasket, with 1 phenolic sleeve, 2 phenolic and 2 flat washers per bolt

Gasket – Spiral Wound 216SS w/ carbon filler, Type CGI, 1/8" thick, for ANSI Class 600 lb. flanges (New gaskets, in kind, must be installed if flanges or flanged fittings are reused.)

Pipe - Seamless Steel, ASTM A106, Gr C, 10.75" OD x 0.365" WT.

Tee - Straight, Barred, ASTM A234 GR WPC, ANSI B16.9, Gr WPC, BTM 0.365" WT.

## SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline

Elbow – ASTM A234 GR WPC, ANSI B16.9, 90 Degree, LR, BTM 0.365" WT.

Valve – Ball Valve with gear operator, ANSI 600, Full port, Carbon Steel, WE x RF, XH bore, API 6D

### **6.1.5 Inspection and Testing**

The CONTRACTOR shall give PMLP and TRI-MONT full and unrestricted access to all areas of the work throughout the progress of the work.

100 percent X-Ray shall provide and carry out for all welds. All X-Rays shall be performed by suitably qualified subcontractor or personnel in accordance with Radiographic Inspection Specifications. All X-Ray's at welds shall be turned over to PMLP on completion of the work.

If any inspection or testing reveals that the work is not in accordance with this specification, industry standards or best practices, then the work shall be corrected. All work and materials will be subject to 100% visual, dimensional and Non-Destructive Evaluation (NDE) inspection.

CONTRACTOR shall submit inspection and NDE procedures for approval prior to commencement of work. The procedures shall include comprehensive NDE for all pressure containing components and welds, including radiography, ultrasonic testing, magnetic particle inspection and dye penetrant testing as appropriate.

Procedures shall include details of calibration of equipment and proposed acceptance criteria.

Pipeline shall be leak tested upon reassembly following completion of the ILI work. CONTRACTOR shall submit a Leak Testing procedure for approval prior to commencement of work.

### **6.1.6 Access and security during the work**

The CONTRACTOR shall be responsible for establishing and maintaining access and security to all work areas; as well as completing any restoration of the work areas subsequent to completion of the work.

Access to the TGP Tap location will require coordination with both TGP and PMLP; TRI-MONT will assist.

Equipment and Personnel access to the TGP Tap location side of the pipeline will be via Endicott Street in Danvers, MA as shown on the General Location Plan in Appendix 8.1. There is an existing Bar Gate along this path just prior to the abandoned rail line R.O.W. which is the access off the paved surface.

**Access to the TGP Tap side of the pipeline will need to be upgraded.** Currently the access is overgrown, has concrete blocks barricading the access point to the TGP Tap fenced compound, and is not graded to facilitate vehicle and equipment access. **The Contractor will be required to modify the access using swamp mats, and/or gravel such that the access area can be restored to original grade and soil conditions upon completion of the work.**

The fence line around the TGP Tap Area, or a portion there of, will also need to be removed to perform the required work. The fence will need to be re-installed in kind upon completion of the work. **Removing and reinstalling the fence will be a requirement of the Contractor.**

Access to the Peabody side of the pipeline will be via Pulaski Street in Peabody, MA as shown on the General Location Plan in Appendix 8.1. PMLP will provide access through the PMLP Plant's Main gate. No regrading or borrow material is expected at this end of the pipeline. PMLP's Facility must remain secured during the execution of the work.

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

A portion of the fence line around the Peabody side of the pipeline may also need to be removed to perform the required work. The fence will need to be re-installed in kind upon completion of the work. **Removing and reinstalling the fence will be a requirement of the Contractor.**

### **6.1.7 Schedule**

Prior to commencement of the work, CONTRACTOR shall prepare and submit for approval a project plan with schedule and timeline. This schedule will be coordinated with the ILI-Contractor's schedule.

The ILI-Contractor will be required to submit a schedule with their Bid that includes at a minimum:

- Mobilization of Launcher, Receiver, Cleaning Tools, and ILI Tools
- Mobilization of Propellant and equipment for its use
- Connection of Launcher and Receiver to the Contractor installed Pipeline Flanges
- Pipeline Cleaning Operations (including cleaning of their tools)
- In-Line Inspection Operations (including cleaning of their tools)
- Demobilization

Work shall not commence until the ILI-Contractor's schedule has been approved. Contractor to provide durations for tasks associated with performing this work. Also, provide required notice period to commence work.

### **6.1.8 Applicable Code and Standards**

The following Regulations, Industry Standards and Recommended Practices are relevant to this Specification. All work shall be in conformance with the latest edition of codes, standards, and regulations. In the event of a conflict between these Specification and/or Contract Documents, and applicable codes and/or standards the governmental regulations shall apply; however the Contractor shall request written clarification from PMLP before proceeding with the work.

- ASME B31.8 "Gas Transmission and Distribution Piping Systems"
- API Standard 1104 "Welding of Pipelines and Related Facilities"
- 49 CFR 192 "Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards"
- AGA Purging Principles and Practice, Third Edition, June 2001. AGA Catalog No XK0101.

### **6.2 Permits**

TRI-MONT Engineering, Company, on behalf of the Peabody Municipal Light Plant, has coordinated with both the Danvers Conservation Commission and the Peabody Conservation Commission and determined that no Wetland Permitting is required for the work.

No other Permits, beyond typical Construction and Transportation Permits that the CONTRACTOR will normally obtain are expected to be required.

### **6.3 Safety**

The CONTRACTOR shall comply with the provisions of the Occupational Safety and Health Act of 1970, OSHA Regulations, and APPA Safety Manual and the Standards and Regulations issued thereunder.

## SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline

A **Lock Out - Tag Out** Procedure will be required for the operation of the TGP Tap Valve in Danvers, MA as well as the PMLP Valve in Peabody, MA. Both Valves shall be closed prior to the start of the work and a **Group Lockout Hasp shall be used** to secure the chain or device used to keep the Valves from being operated while others are working on the pipeline. A lock from TGP, PMLP, and each contractor shall be installed in the two respective **Group Lockout Hasps at either end of the pipeline** until the work is complete and the pipeline is ready to be brought back into service. Locks can be removed by individual Contractors upon their completion of their Scope and departure from the site.

**CONTRACTOR is to supply the Group Lockout Hasp and the chain or device to secure the Valves.**

The CONTRACTOR is fully responsible for the Safety of his personnel and that of his subcontractors during the preparation, progress, and cleanup of the work. Contractor shall submit a Site/Project Specific Safety Plan for approval.

The Safety Plan shall include, but not be limited to, the following information:

- Key personnel and responsibilities
- Communications
- Health, safety, and environmental issues with respect to the tasks to be perform
- Identification of required PPE, First Aid supplies, and Safety equipment
- Spill prevention and response plan
- Review of electrical clearances which must be maintained from energized facilities

### **6.4 Submittals and Shop Drawings**

The CONTRACTOR shall submit the following:

- Shop drawings with associated calculations as required:
  - Material Data sheets for all Flanges, Bolts, piping, etc.
- Submittals:
  - List of Subcontractors and their assigned Scope
  - Site Specific Safety Plan
  - Blow Down Plan, Procedure, and Schedule (clearing line of gas)
  - NDE procedures (X-Rays)
  - Purging Plan, Procedure, and Schedule (re-packing line with gas)
  - Leak Test Procedure
  - Material Disposal documentation (if required)
  - Equipment to be used with current calibration dates, pressure testing procedure (if differs from tie in leak test), welder and pipeworker OQ qualifications

### **6.5 Blow Down**

Prior to performing the remainder of the work the PMLP pipeline must be isolated from the TGP Transmission Pipeline and Blown-Down (cleared of natural gas).



## SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline

This activity will need to be coordinated with Tennessee Gas Pipeline (TGP) staff as it will require the TGP Valve on the Danvers, MA side of PMLP's pipeline to be closed/operated. TGP's Valve is the Valve that controls the flow of gas into PMLP's Pipeline. (See Plan TE-E12-270C-100-17A in Appendix 8.3)

The PMLP pipeline will be isolated from the TGP Transmission Pipeline by closing the TGP owned valve at the TGP Tap location. (See Plan TE-E12-270C-100-17A in Appendix 8.3)

The PMLP Facilities and TGP's Meter Station within the PMLP Plant fence line shall also be isolated from the 10" Pipeline to be cleaned and inspected. This will be done by closing the valve located on the downstream side of the existing pipe tee which supplies the TGP Meter Station and PMLP Plant.

A **Lock Out - Tag Out** Procedure will be required for the TGP Tap Valve in Danvers, MA as well as the PMLP Valve in Peabody, MA. Both Valves shall be closed prior to the start of the work and a **Group Lockout Hasp shall be used** to secure the chain or device used to keep the Valves from being operated while others are working on the pipeline. A lock from TGP, PMLP, and each contractor shall be installed in the two respective **Group Lockout Hasps at either end of the pipeline** until the work is complete and the pipeline is ready to be brought back into service. Locks can be removed by individual Contractors upon their completion of their Scope and departure from the site.

### **CONTRACTOR is to supply the Group Lockout Hasp and the chain or device to secure the Valves**

The CONTRACTOR shall prepare and submit for approval a detailed Written Plan for the blow-down including any shop drawings, equipment and/or material data sheets, and calculations needed to support the plan.

The Written plan shall include, but not be limited to, how the natural gas shall be addressed, and it shall provide details related to the sizing and material of the kicker and vent piping and how they will be attached, **the location and size of flare to be used**, and include specific safety requirements. This plan should be compliant with the AGA Purging Principles and Practice, Third Edition, June 2001. AGA Catalog No XK0101.

TGP's Control Department and Local Emergency Personnel shall be notified prior to the pipeline being blown down.

The blow-down is to be completed in accordance with industry standards, as well as applicable codes and regulations.

Pipeline shall be Blown Down using dry air and a nitrogen slug, or with only nitrogen, until a 95% to 97% nitrogen level is reached.

If air is used it shall be dry air and drying the line upon completion of the work may be required.

If only Nitrogen is used, and the Nitrogen is from bottles, the bottles shall be set up with the required header system to allow a continuous uninterrupted flow of Nitrogen until the 95% to 97% nitrogen level is reached.

PMLP has agreed to burn the initial portion of the gas from the line once the TGP Tap valve is closed by running it Turbine. This will reduce the volume of gas that will need to be vented and flared. PMLP will run it Turbine to reduce the pressure in the line until the Turbine reaches its lower limit pressure wise. At this

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

point the Valve in the PMLP yard just downstream of the exiting 10" pipe Tee will need to be closed and the venting/flaring process will need to begin.

The intent of this effort is to blow-down the pipeline to make it safe to complete the required Pipeline Modifications required to support the Cleaning and In Line Inspection of the PMLP Pipeline.

### **6.6 Pipe modifications**

In general this effort will require the following once the Pipeline has been blown down (details shown on the Drawings attached in Appendix 8.2):

At the TGP Tap side of the line in Danvers, MA:

- Temporarily support any above ground piping (including check valve) to be left in place during the Pipeline Modifications, Cleaning, and In-line Inspection process.
- Separate the existing flanged connection to allow the existing vertical section of the PMLP Pipe downstream of the existing check valve to be cut in preparation of installing 2 flanges. The flange installed on the portion of the pipe projecting from the ground will be used to connect the Launcher for the Cleaning and In-Line Inspection tools.
- Cut the existing vertical section of the PMLP Pipe downstream of the existing check valve, remove surplus pipe as necessary to ensure that modified pipe can be reinstalled, and install flanges on either side of the cut pipe. This flanged connection will be an insulated flange connection. The 2 flanges installed will be used to reassemble the PMLP Pipeline upon completion of the work.
- Fabricate, install, and support the temporary connection piping between the Launcher for Cleaning and In-Line Inspection tools to the flanged connection of the pipe projecting from the ground leading to the PMLP site.
- Replace cathodic protection wiring as necessary.

At the PMLP side of the line in Peabody, MA:

- Temporarily support any above ground piping (including existing flange) to be left in place during the Pipeline Modifications, Cleaning, and In-line Inspection process.
- Cut the existing vertical section of the PMLP Pipe above the existing 10" Pipe Tee.
- Install a welded Tee on the existing vertical section of pipe that remains and install flanges to the opposite vertical face. Install and support a WE x RF 10" Ball valve and Blind Flange to the horizontal face, to be used to connect to future PMLP piping, and should be rotated to Company specifications. Valve support system must be installed below grade and below frost line to ensure long term support of the valve. The Vertical flange will be used to connect the Receiver for the Cleaning and In-Line

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

Inspection tools, as well as for use in reassembling the PMLP Pipeline upon completion of the work. (See details shown on the Drawings attached in Appendix 8.2)

- Fabricate, install, and support the temporary connection piping between the Receiver for Cleaning and In-Line Inspection tools to the flanged connection of the pipe projecting from the ground leading to the TGP tap site.
- Install a flange on the end of the reducer (10" end) to be used for reassembly of the PMLP Pipeline upon completion of the work.

### **6.6.1 Cutting existing Pipe**

Pipe shall not be cut until the area has been checked for the presence of combustible gas. Personnel shall take steps to minimize the chance of accidental ignition of gas in any area where gas is present and constitutes a hazard of fire or explosion (CFR192.751). Combustible gas detectors shall be used to monitor gas levels. Fire extinguisher shall be provided.

Gas or electric welding or cutting shall not be performed on pipeline facilities that contain a combustible mixture of gas and air in the area of work. Warning signs shall be posted around the work area as required to protect both the workers in the area and the general public.

Cutting shall be done in compliance with the requirements of 49 CFR Part 192 and API Std. 1104.

### **6.6.2 Flanges**

Flanges supplied shall fully meet or exceed all requirements of the standards listed below:

- MSS SP-44, 1985, Edition - Steel Pipe Line Flanges
- ANSI B16.5

All flanges shall be suitable for field welding to the matching pipe or fittings.

### **6.6.3 Pipe**

Pipe supplied shall fully meet or exceed all requirements of the standards listed below:

- ASME B31.8 "Gas Transmission and Distribution Piping Systems"
- API Standard 1104 "Welding of Pipelines and Related Facilities"
- 49 CFR 192 "Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards"

All Pipe shall be suitable for field welding to the matching pipe or fittings.

### **6.6.4 Welding procedure and welding qualifications**

Welding on the company's pipeline and related facilities may be performed only by qualified welders who possess certification documents from a qualified testing facility. See below for specifics regarding welding procedures, qualifications, and documentation.

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Welding shall include all work necessary to prepare, space, and align surfaces to be welded, deposit weld metal, inspect the completed weld, and make necessary repairs (when permissible).

Welding shall meet all applicable provisions of 49 CFR Part 192 and the requirements of CMR 109.10. Pipe welding shall also meet standards as set out in the "Standard for Welding Pipelines and Related Facilities" as issued by the American Petroleum Institute, identified as API Std. 1104, current Edition as modified by the following limitations and exceptions:

- Only welding procedures and weld procedure qualification tests approved by the Owner will be acceptable.
- All welding shall be done manually using the shielded metal-arc process, unless otherwise approved. Automatic or semiautomatic welding using the Gas Metal-Arc Process shall meet additional requirements set out in Section 9.0 to obtain approval.
- Any change of filler metal from the one set out in the qualified welding procedure shall be subject to approval.
- Weld fabrication spacers or backing rings will not be permitted on pipeline welds.
- Supports and braces shall not be welded directly to the pipeline.
- Prior to welding in a spark sensitive area, Contractor shall determine if a combustible gas-air mixture exists. Welding shall begin only when safe conditions are indicated. The gas air mixture in the area where welding is in progress shall be monitored if there is a likelihood that a combustible mixture may build up. Contractor shall exercise all necessary precaution, including but not limited to the placement of fire extinguishers, as may be required to conduct safe operations.
- No welding shall be permitted when the temperature of the base metal is lower than 35 degrees F. At ambient temperatures below 35 degrees F the pipe shall be heated to a temperature at least warm to the hand prior to welding. Preheating and/or post-heating as set out in the qualified welding procedure shall be done.
- Preheating may be accomplished by any suitable method, provided that it is uniform and the specified temperature is reached before welding and maintained during welding. The preheat temperature shall be monitored by use of temperature indicating crayons, pyrometers, or other method approved by the Engineer.
- All welds will be radiographically inspected. Radiographic inspection shall be in accordance with API Standard 1104.
- Any weld containing cracks, as described in API Std. 1104, regardless of size or location, shall not be acceptable and the entire weld shall be cut out.

Required Welding Procedure, Qualifications, and Inspection documentation must be provided by the Contractor and maintained on file by the Owner for the life of the Pipeline.

### Weld Procedures

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Prior to any welding on the pipeline, the Contractor shall provide a qualified weld procedure that meets the requirements of API 1104.

Record of the procedure, including the qualifying tests for each Welder, must be retained by the Owner.

Ground clamps will not be tack welded to the pipe.

### Welder Qualifications

Prior to welding on the pipeline, the Contractor shall provide documentation for each welder showing the following:

- The welder has qualified to weld using a previously qualified procedure in accordance with API 1104. The original qualification must be determined by destructive testing.
- The Welder has welded utilizing the specified process within the preceding 6 calendar months, and has had one weld tested and found acceptable in accordance with API 1104. If a welder has not engaged in the process of welding for a period of six or more months, he shall be requalified before being permitted to do work.
- Qualification test reports, bearing proper witness certification by an independent laboratory or inspection service shall be submitted to the Owner. The Contractor shall also certify that these welder and welder operator qualification tests were properly made.

### Weld Inspection

All welds shall be visually inspected by a qualified welding inspector to ensure the appropriate procedure is followed and that the weld is visually acceptable. Welding Inspection to be provided by PMLP.

This project requires 100 percent X-Ray. All welds shall be inspected using Radiographic (X-Ray) & Non-Destructive Testing (NDT). Contractor shall provide and carry out all X-Rays by suitably qualified subcontractor or personnel .

#### **6.6.5 Radiographic (X-Ray) & Non-Destructive Testing (NDT) requirements**

Weld inspection on PMLP's pipeline and related facilities shall be performed in accordance with 49 CFR 192 Subpart E, CMR 109.10, and API Standard 1104. Required documentation must be provided by the Contractor and maintained on file by the Owner.

This project requires 100 percent X-Ray. All welds shall be inspected using Radiographic (X-Ray) & Non-Destructive Testing (NDT). Contractor shall provide and carry out all X-Rays by suitably qualified subcontractor or personnel.

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

All welding inspectors shall be qualified and certified as AWS Certified Welding Inspectors. Copies of certifications shall be submitted to the Owner.

Weld inspection documentation, shall be turned over to the OWNER. Documentation shall include:

- Qualifications of the Inspecting Contractor
- Record of each visual inspection and nondestructive test performed, including radiographs
- Disposition of any rejected welds

Any weld found to be unacceptable must be removed or repaired and pass re-inspection.

All radiographic inspection of welds shall be performed in accordance with established written procedures by qualified radiographers. CONTRACTOR shall furnish the owner with copies of each written radiographic procedure used for the various welds to be inspected and furnish written proof of Radiographic Technician Qualification Level for each radiographer furnished. At least one S.N.T.-TC-IA Level II or higher radiographer shall be required with each radiographic inspection crew.

Certification of radiographic inspection of high pressure gas piping welds must be completed by CONTRACTOR at completion of the Work to certify that all welds accepted were found to be in accordance with Standards in API Std. 1104.

Each weld that is radiographically inspected is to be identified as to location or pipeline station number and as a production weld, repair weld, fabrication or tie-in weld. The identification of welds radiographically inspected shall be recorded and the record shall be forwarded to the Owner.

All welds found to be defective shall be clearly marked. This marking shall clearly indicate if repair of the defect is not permissible under API 1104 as modified below:

Modification of requirements for inspection and for the level of acceptability as set out in API 1104 are as follows:

The standard for root bead undercutting set out in API Std. 1104 shall not be used in determining the acceptability of a weld. The following standard shall be used:

Undercutting adjacent to the root bead on the inside of the pipe shall not exceed two (2) inches in length, or 1/6 of the length of the weld , whichever is smaller.

Any weld containing cracks, as described in API Std. 1104, regardless of size or location, shall not be acceptable and the entire weld shall be marked to indicate that repair is not permissible

When a weld has been repaired and the re-radiograph shows that unacceptable defects remain, the weld shall be marked to indicate that further repair of the defect is not permissible.

### **6.6.6 Joining materials other than by welding**

This shall include all work necessary to prepare, construct, and/or reassemble gas tight joints by the use of bolted flanges, threaded connections and compression fittings, including supportive efforts to the ILI contractor while making connections associated with the Launcher/Receiver.

## SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline

All pipe or piping components to be joined must be properly aligned prior to the joining. No joint is acceptable that is made by using external force, applied heat or any other mechanical means that would induce stresses in the pipe or components after the joining is accomplished. Cold springing of pipe shall not be employed except at the specific order and direction of Engineer

### Bolted Flange Connections

All materials used for flanged connections shall be as specified on the Plans. Flange faces shall be free of dents, scratches, dirt, rust or other foreign matter. Flange bolts and nuts shall be cleaned of dirt and rust by wire brushing and the threads inspected for damage. Any damaged threads shall be redressed with proper thread cutting dies. Flange faces shall be parallel and properly centered to begin bolting. Flange nuts shall be initially tightened uniformly to a snug fit in order to seat flange face and gasket using the "star pattern" for tightening nuts. Bolts shall be centered such that the nuts shall have equal thread projection. Nuts are then uniformly tightened, using "star pattern", with sufficient torque to contain internal pressure but not sufficient to overstress the bolts

All gaskets shall be new. No gaskets shall be reused.

### INSULATION FLANGES

All insulating flanges shall be located above grade at the first Flanged Connection immediately adjacent to the point where the pipeline exists from the ground. No metallic contact shall be made with the pipe between grade and the insulating flange.

The flange face and bolt holes shall be cleaned of all soil and metal particles. The sleeves shall be inserted with finger pressure only. Insulating washers shall be placed on each end of the stud after insertion, followed by steel washers. The normal bolt tightening torque shall be applied. If the plastic washer is cracked during tightening, it shall be replaced and the nut re-tightened. After completion of bolting, the bolt-to-flange resistance of each bolt shall be infinite when checked with a V.O.M. meter.

### **6.7 Pipeline cleaning requirements**

Contractor's scope is to support this effort by providing and maintaining access to the work zones, providing lifting/material handling support, and handling and properly disposing of any material expelled from the Pipeline during the Cleaning Process.

The ILI-Contractor will perform and manage the Cleaning activities.

### **6.8 In-Line Inspection requirements**

Contractor's scope is to support this effort only; primarily to provide and maintain access to the work zones and providing lifting/material handling support.

The ILI-Contractor will perform and manage the In-Line Inspection activities.

### **6.9 Packing and Purging pipeline back into service**

Upon completion of the work the PMLP pipeline must be re-packed with Natural Gas (Purged) and brought back into Service.

## **SPECIFICATIONS for - Pipeline Modifications and Support of In-Line Inspection of PMLP's 10" Natural Gas Pipeline**

The CONTRACTOR shall prepare and submit for approval a detailed written plan for the Pack/Purge Process including any shop drawings, equipment and/or material data sheets, and calculations needed to support the plan.

Purging is to be completed in accordance with industry standards and in compliance with applicable codes, regulations, and standards including AGA Purging Principles and Practice, Third Edition, June 2001. AGA Catalog No XK0101.

TGP's Control Department and Local Emergency Personnel shall be notified prior to the pipeline being purged back into service.

A Nitrogen slug shall be introduced to prevent the mixing of the air and natural gas while the pipeline is being packed with natural gas and the air is being expelled.

Once the pipeline has more than 90% concentration of natural gas reading at the downstream end (the PMLP Plant Site), the pipeline will then be available for pressurization. The pipeline will be pressurized by controlled and gradual opening the TGP Tap Valve. Leak checks shall be performed as the pipeline is being brought back into service and brought back up to operating pressure with the TG Tap Valve fully open using commercial leak detection equipment on all flanges, threaded connections and valve bodies.

This activity will need to be coordinated with Tennessee Gas Pipeline (TGP) staff as it will require the TGP Valve on the Danvers, MA side of PMLP's pipeline to be opened/operated. TGP's Valve is the Valve that controls the flow of gas into PMLP's Pipeline.

The PMLP Facilities and TGP's Meter Station within the PMLP Plant fence line shall remain isolated from the 10" Pipeline that was cleaned and inspected until it is completely re-packed with Natural Gas. This will be done by keeping the valve located on the downstream side of the existing pipe tee which supplies the TGP Meter Station and PMLP Plant closed until the line is repacked and ready for service.

### **6.10 FIELD PAINTING AND TOUCH UP**

All welds, and areas of the pipeline, fittings, and valves shall be cleaned and coated with epoxy coating per manufacturer's instructions.

Painting of welds, cuts and abraded surfaces of steel shall be preceded by thorough cleaning of all rust, oil, grease and other foreign matter from the metal surface. All weld slag shall be removed prior to painting.

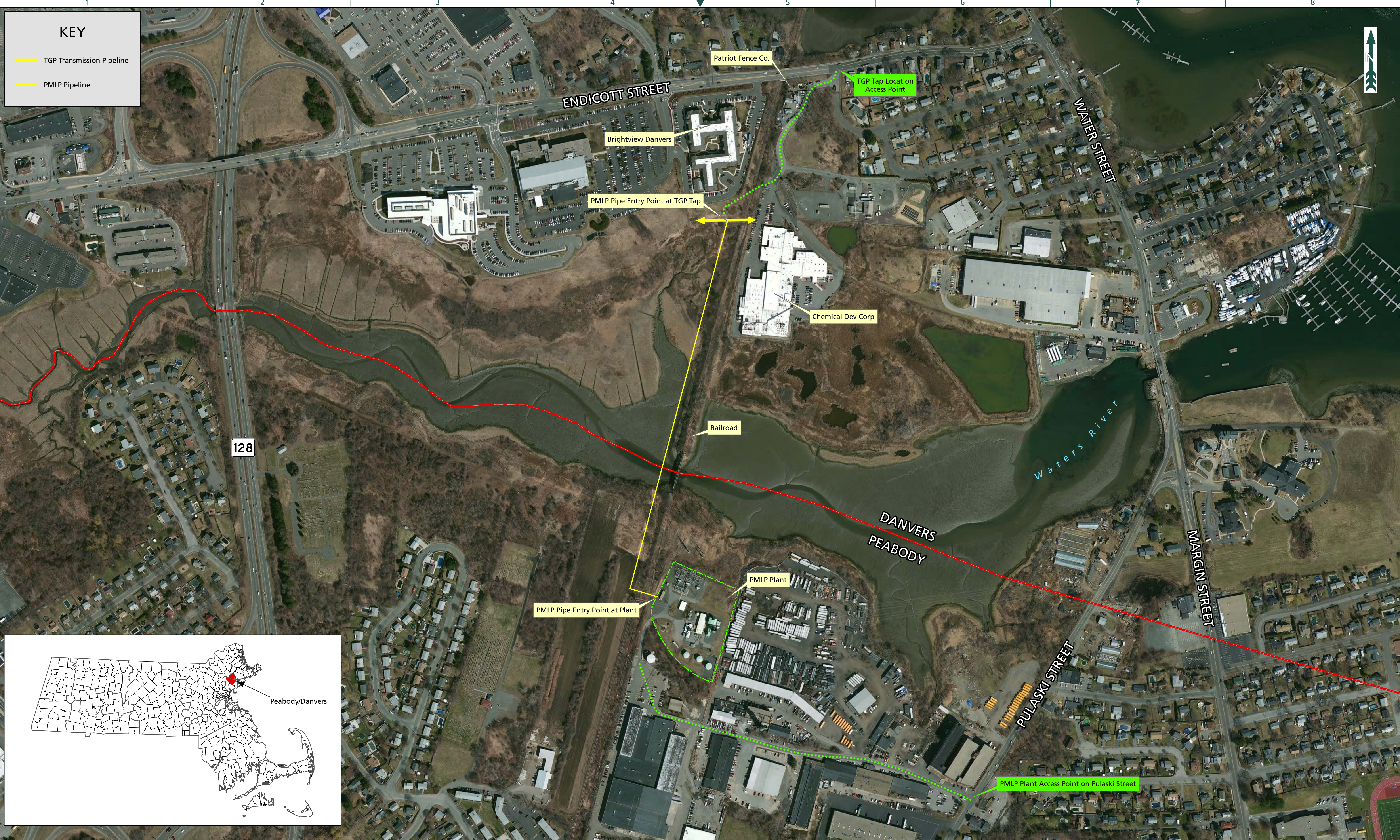
**--- END OF SECTION---**



## **SECTION 7 - Attachments**

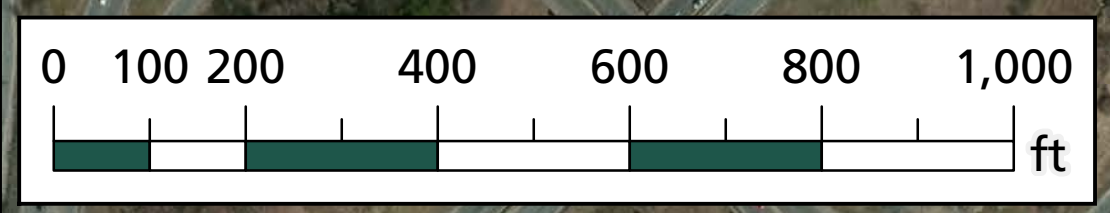
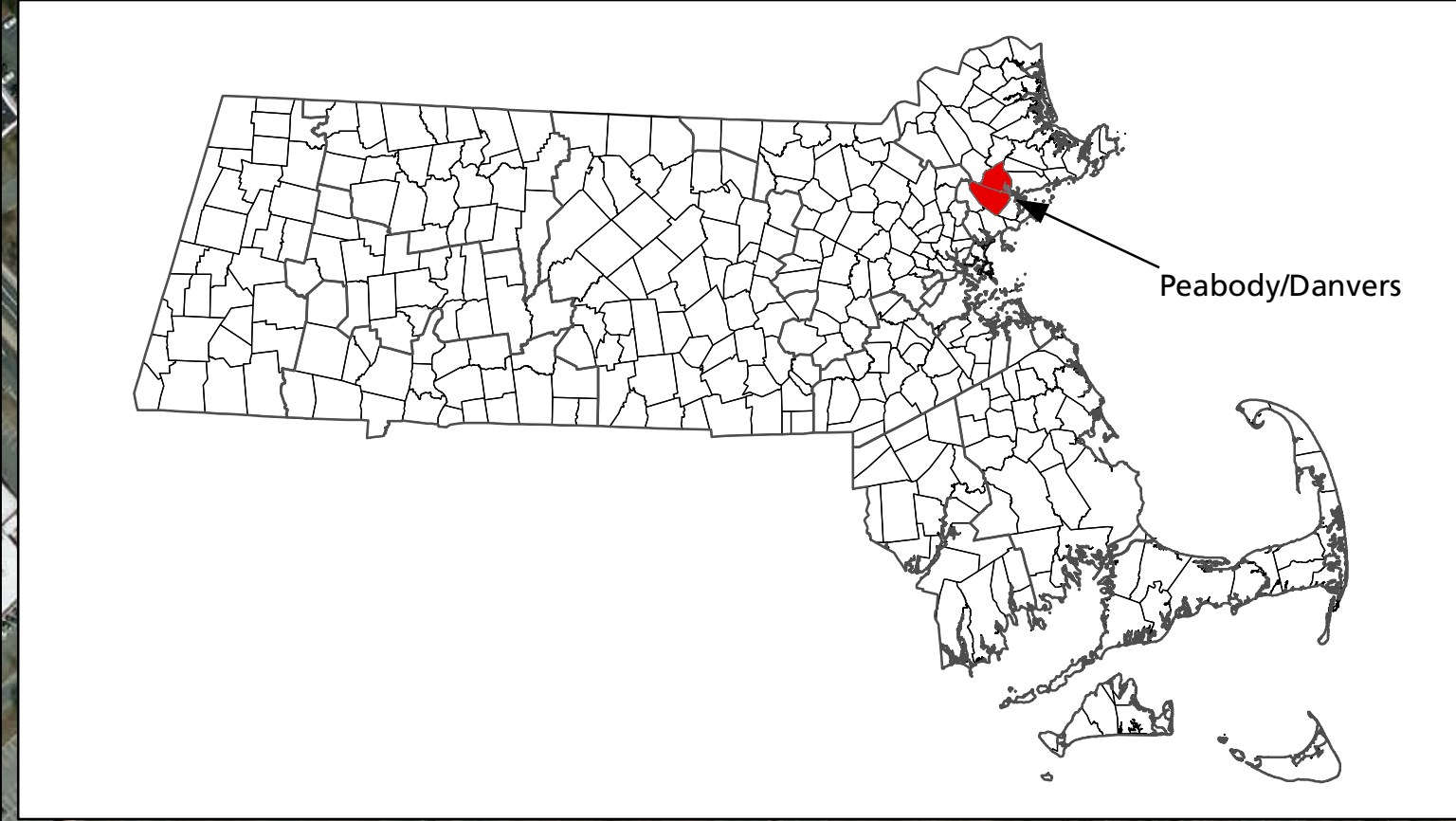
- 7.0 Attachments
  - 7.1 General location plan
  - 7.2 Required Pipeline Modifications and pictures of pipeline entry points
  - 7.3 Existing conditions documents (Plans, Sketches, Directional Drill Report)
  - 7.4 Prevailing Wage Rates

**Attachment 7.1 - General location plan**



**KEY**

- TGP Transmission Pipeline
- PMLP Pipeline



REVISIONS				
REV.	DESCRIPTION	BY	DATE	APPD.
A	ISSUED AS APPENDIX TO BID DOCUMENTS	DSP	10/21/15	BFS

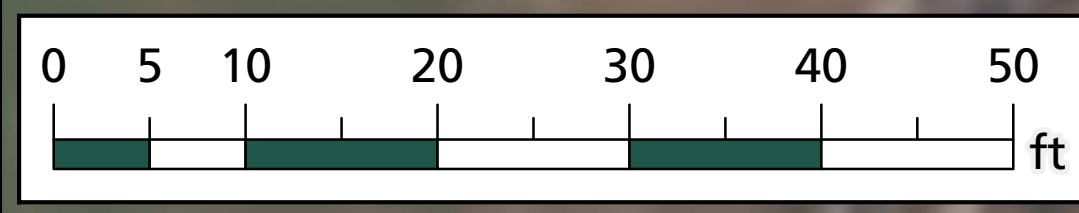


CLIENT: PEABODY MUNICIPAL LIGHT PLANT  
 PROJECT: IN-LINE PIPE INSPECTION

TITLE: PMLP FACILITY AND PIPELINE GENERAL LOCATION PLAN

TRI-MONT	BY	DATE	CLIENT	BY	DATE
DRAWN	DSP	10/19/15	APPROVED		
CHECKED	BFS	10/21/15	APPROVED		
APPROVED	BFS	10/21/15	APPROVED		

SCALE: 1 in = 200 ft      DWG. NO.: D-149-03-G1      REV. A



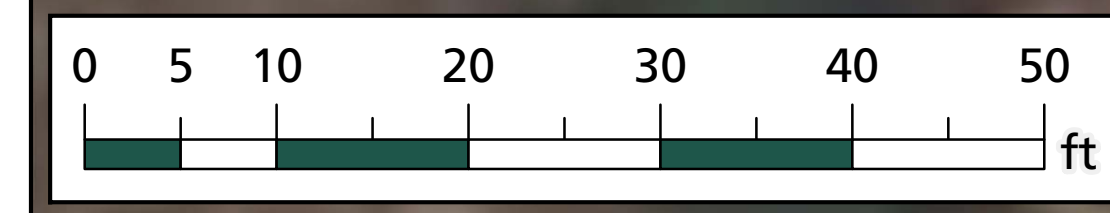
R E V I S I O N S				
REV.	DESCRIPTION	BY	DATE	APPD.
A	ISSUED AS APPENDIX TO BID DOCUMENTS	DSP	12/15/15	BFS



CLIENT	PEABODY MUNICIPAL LIGHT PLANT
PROJECT	IN-LINE PIPE INSPECTION

TITLE	PMLP FACILITY AND PIPELINE TEMPORARY WORK AREA PLAN
-------	--

TRI-MONT	BY	DATE	CLIENT	BY	DATE
DRAWN	DSP	12/2/15	APPROVED		
CHECKED	BFS	12/2/15	APPROVED		
APPROVED	BFS	12/2/15	APPROVED		
SCALE		DWG. NO.		REV.	
1 in = 10 ft		D-149-03-G2		A	



R E V I S I O N S				
REV.	DESCRIPTION	BY	DATE	APPD.
A	ISSUED AS APPENDIX TO BID DOCUMENTS	DSP	12/15/15	BFS



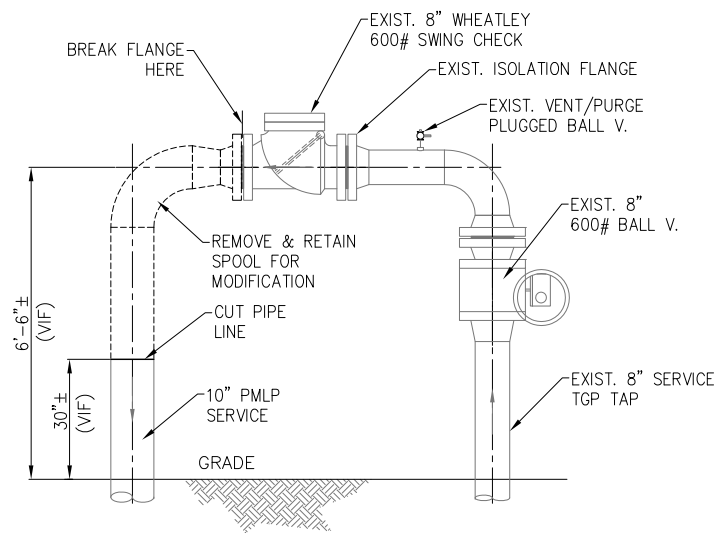
CLIENT	PEABODY MUNICIPAL LIGHT PLANT
PROJECT	IN-LINE PIPE INSPECTION

TITLE	PMLP FACILITY AND PIPELINE TEMPORARY WORK AREA PLAN
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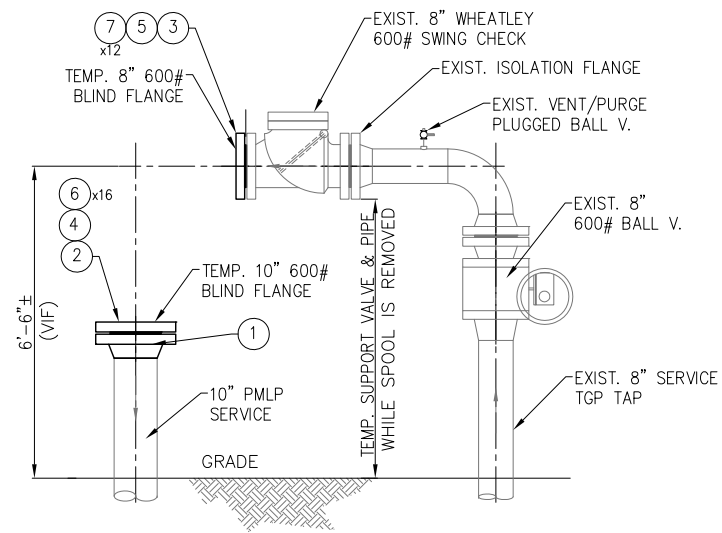
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**Attachment 7.2**

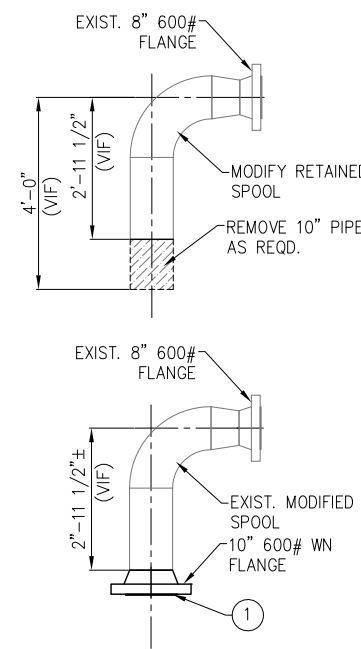
**Required Pipeline Modifications and pictures of pipeline entry points**



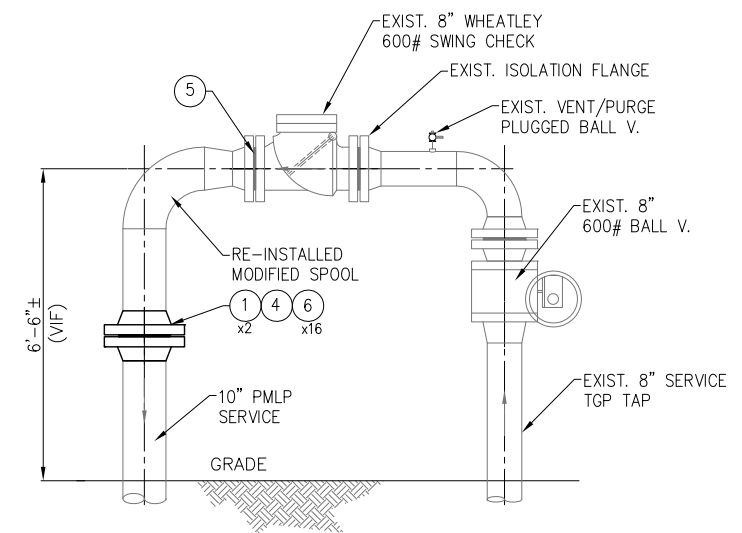
**DETAIL A**  
**EXISTING CONDITIONS**  
 SCALE: 1/2" = 1'-0"



**DETAIL B**  
**MODIFIED RISER**  
 SCALE: 1/2" = 1'-0"



**DETAIL C**  
**MODIFIED SPOOL**  
 SCALE: 1/2" = 1'-0"

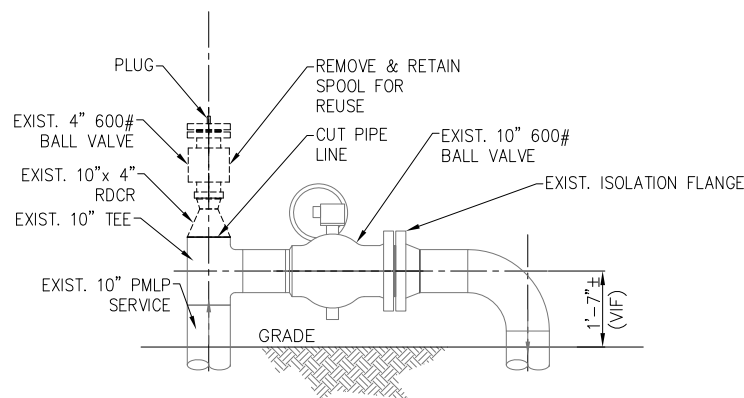


**DETAIL D**  
**RESTORED TGP - PMLP TAP**  
 SCALE: 1/2" = 1'-0"

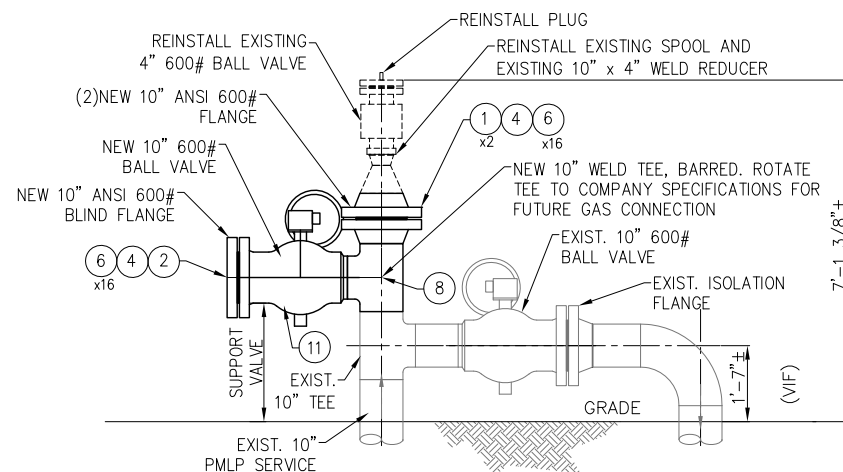
**8" TGP TAP TO 10" PMLP LINE  
 MODIFICATIONS FOR TESTING**

**NOTES:**

1. SEE DWG. No. D-149-03-M02 FOR BILL OF MATERIALS.
2. VIF = VERIFY IN FIELD.
3. CONTRACTOR SHALL VERIFY THAT THE 10" PMLP NATURAL GAS LINE HAS BEN PURGED OF ALL GAS AND ISOLATING VALVES ARE LOCKED CLOSED BEFORE ATTEMPTING TO MODIFY THE LINE FOR TESTING.



**DETAIL E**  
**EXISTING CONDITIONS**  
 SCALE: 1/2" = 1'-0"



**DETAIL F**  
**MODIFICATIONS FOR FUTURE GAS CONNECTION**  
 SCALE: 1/2" = 1'-0"

**10" PMLP LINE  
 MODIFICATIONS FOR TESTING**

**PRELIMINARY**

B	B.O.M., DETAIL F, G, & H EDITS	RJE	12/6/16	MPS
A	FOR REVIEW	JJN	12/15/15	BFS
No.	Description	By	Date	Appd
REVISIONS				



**TRI-MONT** Engineering Co.  
 Plymouth, MA

CLIENT **PEABODY MUNICIPAL LIGHT PLANT**

PROJECT **INSPECTION TOOL PROGRAM**

Title **MODIFICATIONS TO EXISTING ABOVE GROUND PIPING FOR PIGGING**

TRI-MONT	By	Date	Client	By	Date
Drawn	JJN	11/10/15	Approved		
Checked	BFS	12/15/15	Approved		
Approved	BFS	12/15/15	Approved		

Scale: **As Noted** Job No. **D-149-03-M01** Drawing No. **B** Rev. No. **B**





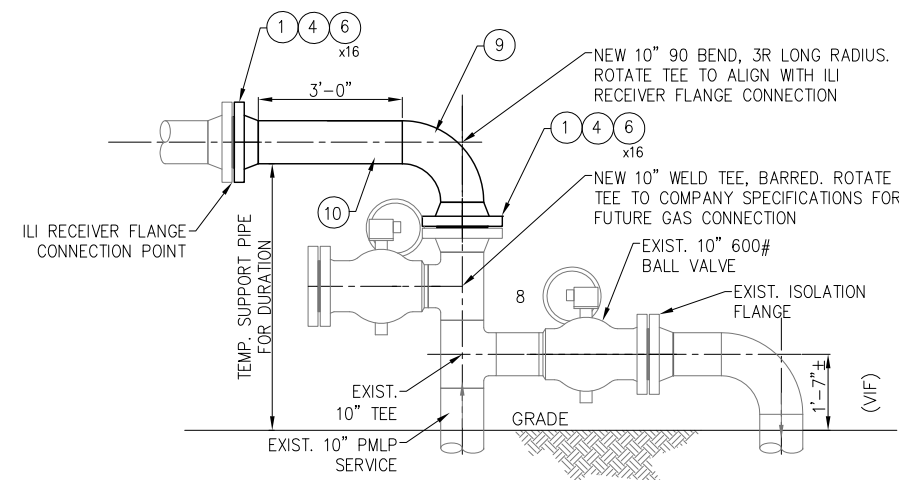
VALVE STATION – EXISTING CONDITIONS



TAP STATION – EXISTING CONDITIONS

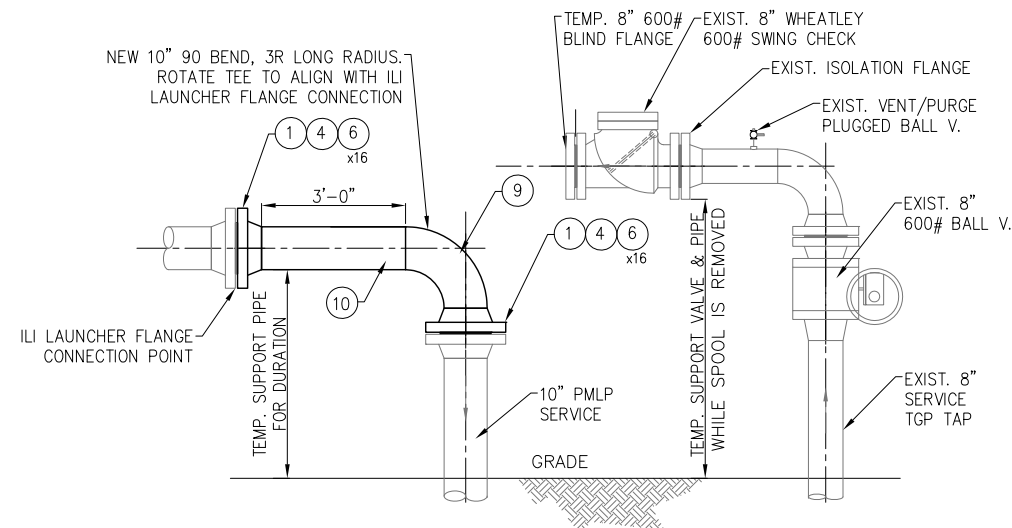
BILL OF MATERIALS				
ITEM	QUANT.	SIZE	DESCRIPTION	NOTES
1	8	10"	CLASS 600 WELD NECK, RF FLANGE	ASTM A105, ANSI B16.5
2	2	10"	CLASS 600 BLIND FLANGE, RF	ASTM A105, ANSI B16.5
3	1	8"	CLASS 600 BLIND FLANGE, RF	ASTM A105, ANSI B16.5
4	8	10"	GASKET, 1/8" THK. 600# SPIRAL WOUND 316SS w/CARBON FILLER, TYPE CGI,	FLEXITALLIC or EQUAL
5	2	8"	GASKET, 1/8" THK. 600# SPIRAL WOUND 316SS w/CARBON FILLER, TYPE CGI,	FLEXITALLIC or EQUAL
6	128	1 1/4"	BOLTS, STUD ASTM A193, GRADE B7, w/ 2 HEX NUTS, A194 GRADE 2H, w/ 1 FLAT WASHER EACH, F436	8 1/2" LONG
7	12	1 1/8"	BOLTS, STUD ASTM A193, GRADE B7, w/ 2 HEX NUTS, A194 GRADE 2H, w/ 1 FLAT WASHER EACH, F436	7 1/2" LONG
8	1	10"	STRAIGHT TEE, BARRED, GR WPC, BTM 0.365" WT	ASTM A234, ANSI B16.9
9	2	10"	90 DEGREE ELBOW, LR, GR WPC, BTM 0.365" WT	ASTM A234, ANSI B16.9
10	6 LF	10"	PIPE, SEAMLESS STEEL, GR C, 10.75" OD X 0.365" WT	ASTM A106
11	1	10"	BALL VALVE WITH GEAR OPERATOR, ANSI 600, WE X RF, XH BORE, API 6D, THREE PIECE, BOLTED BODY, FULL PORT, TRUNNION MOUNTED, CARBON STEEL, HAND WHEEL AND SHOP PRIMER FOR ABOVE GRADE SERVICE	BODY A216 GRADE WCC

PRELIMINARY



DETAIL G  
VALVE STATION – ILI RECEIVING CONNECTION

SCALE: 1/2" = 1'-0"



DETAIL H  
TAP STATION – ILI LAUNCHER CONNECTION

SCALE: 1/2" = 1'-0"

NOTES:

1. VF = VERIFY IN FIELD.
2. CONTRACTOR SHALL VERIFY THAT THE 10" PMLP NATURAL GAS LINE HAS BEEN PURGED OF ALL GAS AND ISOLATING VALVES ARE LOCKED CLOSED BEFORE ATTEMPTING TO MODIFY THE LINE FOR TESTING.
3. CONTRACTOR SHALL NOT REUSE GASKETS.

B	B.O.M., DETAIL F, G, & H EDITS	RJE	12/6/16	MPS
A	FOR REVIEW	JJN	12/15/15	BFS
No.	Description	By	Date	Appd
REVISIONS				



CLIENT PEABODY MUNICIPAL LIGHT PLANT

PROJECT INSPECTION TOOL PROGRAM

Title  
MODIFICATIONS TO EXISTING ABOVE GROUND PIPING FOR PIGGING

TRI-MONT	By	Date	Client	By	Date
Drawn	JJN	11/12/15	Approved		
Checked	BFS	12/15/15	Approved		
Approved	BFS	12/15/15	Approved		

Scale:	Job No.	Drawing No.	Rev. No.
As Noted		D-149-03-M02	B

10" TEMPORARY LINE  
MODIFICATIONS FOR PIGGING CONNECTIONS





VALVE STATION –  
EXISTING CONDITIONS




TAP STATION –  
EXISTING CONDITIONS

BILL OF MATERIALS				
ITEM	QUANT.	SIZE	DESCRIPTION	NOTES
1	4	10"	CLASS 600 WELD NECK, RF FLANGE	ASTM A105, ANSI B16.3
2			- NOT USED -	
3	2	8"	CLASS 600 BLIND FLANGE, RF	ASTM A105, ANSI B16.3
4	2	10"	FLANGE ISOLATION KIT WITH ANSI CLASS 600 RF TYPE EDW FF PHENOLIC GASKET	SEE NOTE 5.
5	2	8"	GASKET, 1/8" THK. 600# SPIRAL WOUND 316SS w/CARBON FILLER, TYPE GCI,	FLEXITALLIC or EQUAL
6	32	1 1/4"	BOLTS, STUD ASTM A-193, CLASS 2A GRADE B-7, w/ 2 HEX NUTS w/ 1 FLAT WASHER EACH, CLASS 2B, GRADE 2H	8 1/4" LONG
7	12	1 1/8"	BOLTS, STUD ASTM A-193, CLASS 2A GRADE B-7, w/ 2 HEX NUTS w/ 1 FLAT WASHER EACH, CLASS 2B, GRADE 2H	MATCH EXIST.
8	2	10"	ANSI CLASS 600 RF TYPE EDW FF PHENOLIC GASKET	AS SPARES

NOTES:

1. VIF = VERIFY IN FIELD.
2. CONTRACTOR SHALL VERIFY THAT THE 10" PMLP NATURAL GAS LINE HAS BEN PURGED OF ALL GAS AND ISOLATING VALVES ARE LOCKED CLOSED BEFORE ATTEMPTING TO MODIFY THE LINE FOR CLEANING AND IN-LINE INSPECTION.
3. CONTRACTOR SHALL NOT REUSE GASKETS.
4. OPEN ENDS OF ALL PIPE SHALL BE COVERED/SEALED TO PREVENT DEBRIS FROM ENTERING THE PIPE UNTIL PIPE IS REASSEMBLED.
5. A FLANGE ISOLATION KIT SHALL CONTAIN AN ANSI CLASS 600 RF, TYPE EDW, FULL FACE PHENOLIC GASKET, FOR NATURAL GAS SERVICE, WITH 1 PHENOLIC SLEEVE, 2 PHENOLIC and 2 FLAT WASHERS PER BOLT

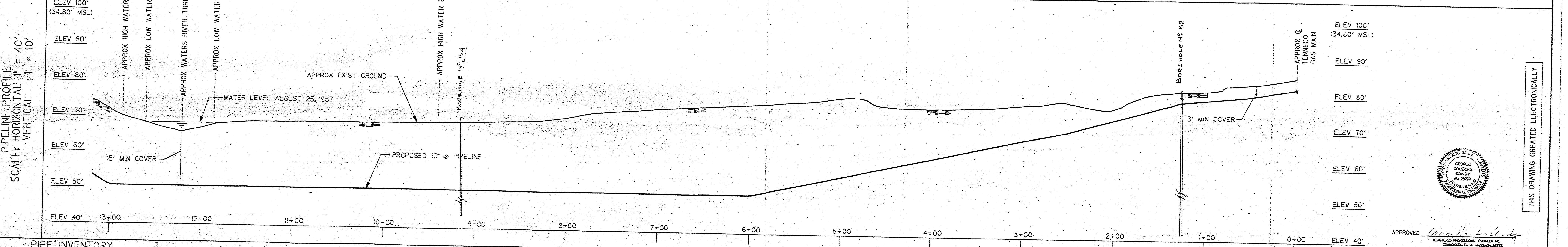
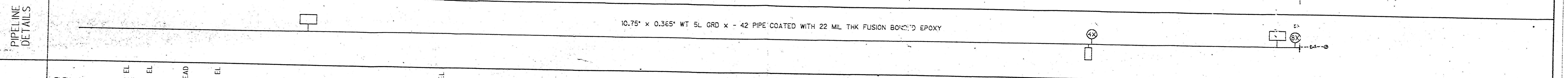
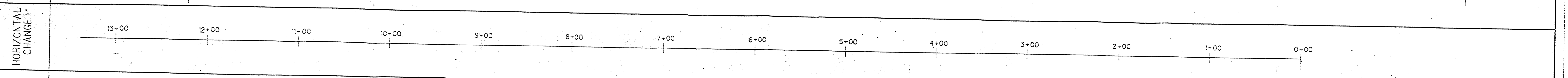
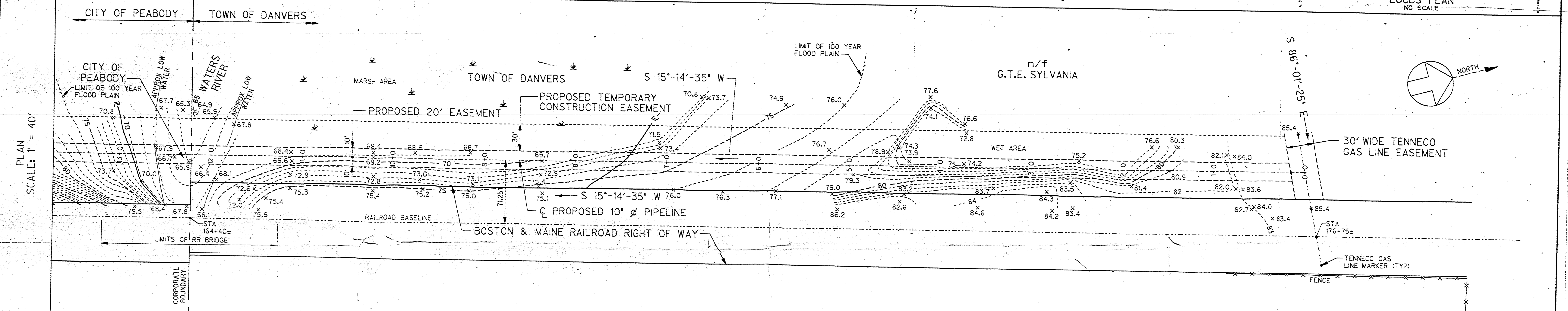
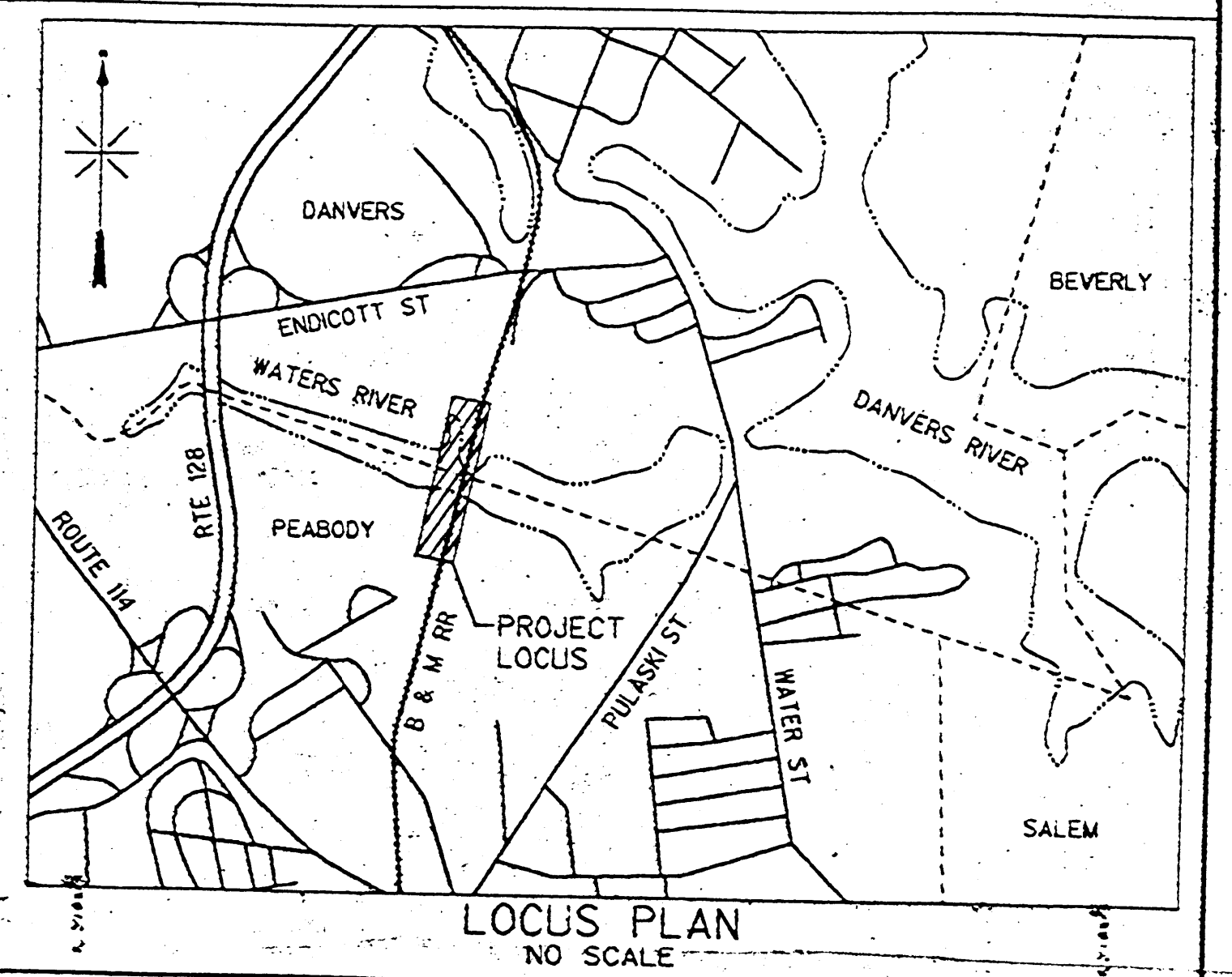
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No.	Description	By	Date	Appd
REVISIONS				
 <b>TRI-MONT</b> Engineering Co. Plymouth, MA		CLIENT		
		PEABODY MUNICIPAL LIGHT PLANT		
PROJECT		INSPECTION TOOL PROGRAM		
Title		MODIFICATIONS TO EXISTING ABOVE GROUND PIPING FOR PIGGING		
TRI-MONT	By	Date	Client	By
Drawn	JUN	11/12/15	Approved	
Checked	BFS	12/15/15	Approved	
Approved	BFS	12/15/15	Approved	
Scale:	As Noted	Job No.	Drawing No.	Rev. No.
			D-149-03-M02	0

**Attachment 7.3**  
**Existing conditions documents**  
**(Plans, Sketches, Directional Drill Report)**



PEABODY/DANVERS (ESSEX COUNTY) MASSACHUSETTS

LOCATION	PEABODY/DANVERS (ESSEX COUNTY) MASSACHUSETTS				
INST. NO.					
LAND AREA					
OWNER	n/f N.E. POWER COMPANY	CITY OF PEABODY	TOWN OF DANVERS	n/f G. T. E. SYLVANIA	
VEGETATION	PHRAGMITES COMMUNIS	WATERS RIVER	SPARTINA ALTERNIFLORA	SPARTINA PATENS	DISTICHLUS SPICATA
MATERIAL					



PIPE INVENTORY

—T—	TELEPHONE OR TELEGRAPH LINE
—P—	P.L. OR DEFLECTION POINT
—O—	POWER LINE
—M—	MILE POST
—G—	GATE BOX
—X—	FENCE
—C—	PIPELINE CROSSING
—D—	CABLE CROSSING
—E—	CABLE

LEGEND

—C—	CARRIER PIPE
—S—	CONCRETE SLABS
—W—	SWAMP WEIGHTS
—K—	SWAGE CONNECTION
—W—	WARNING SIGNS
—B—	BLOCK VALVE
—L—	TEST LEAD
—M—	P/L MARKER
—A—	ANODES

REFERENCE DRAWINGS

TITLE	DWG. NO.
ALIGNMENT SHEET #1 0+00 TO 13+00	17382-EY-001
ALIGNMENT SHEET #2 7+00 TO 13+47.07	17382-EY-002
B & M RR CROSSING	17382-BP-001
WATERS RIVER CROSSING DETAILS	17382-BP-002

NOTES

- EXISTING TOPOGRAPHY BY DAVID D. LANATA & ASSOC., INC. DATED SEPT. 1, 1987.
- VERTICAL DATUM IS BASED ON PEABODY MUNICIPAL LIGHT PLANT DATUM (ELEV 100.00' = 34.80' MEAN SEA LEVEL).
- CONTRACTOR TO ESTABLISH LIMITS OF EASEMENT PRIOR TO COMMENCING WORK.
- DISTANCES ALONG PIPELINE ARE IN FEET.
- ALL ANGLES ARE TO BE VERIFIED IN FIELD.
- PROFILE IS BASED ON EXISTING GRADE ELEVATION.

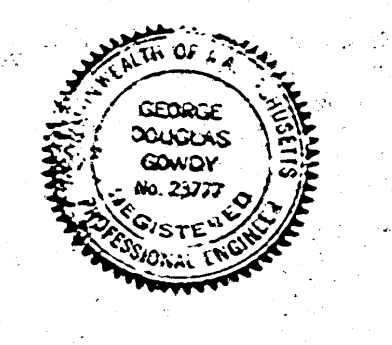
DESIGN	J. G. OLIVER	DATE	
CHECKED	S. L. MONICCA	DATE	
APPROVED		DATE	

STONE & WEBSTER ENGINEERING CORPORATION

CLIENT: PEABODY MUNICIPAL LIGHT PLANT, PEABODY, MASSACHUSETTS

TITLE: PEABODY/DANVERS SUPPLY LINE ALIGNMENT SHEET #1 0+00 TO 13+00

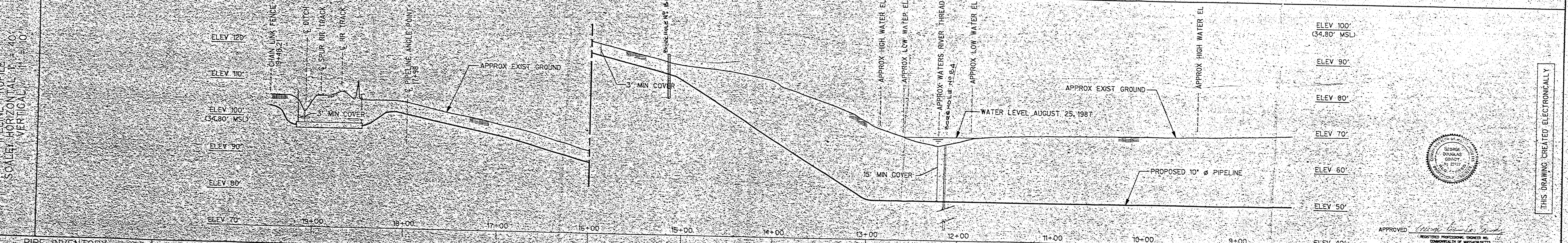
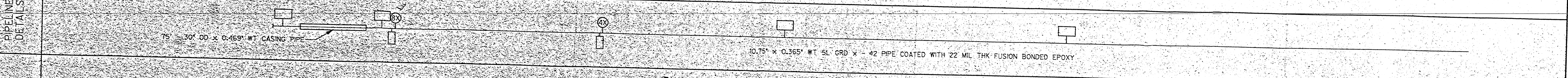
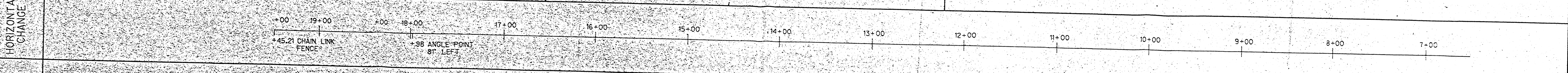
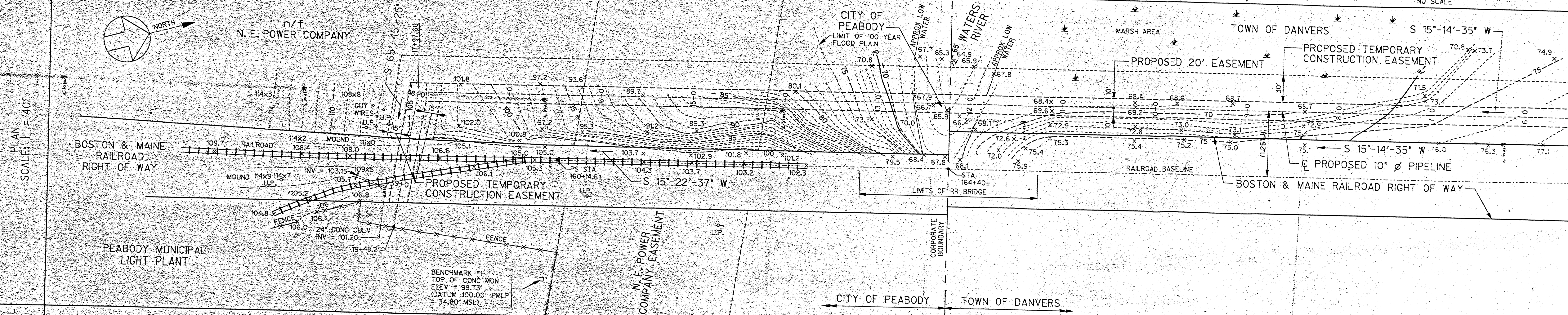
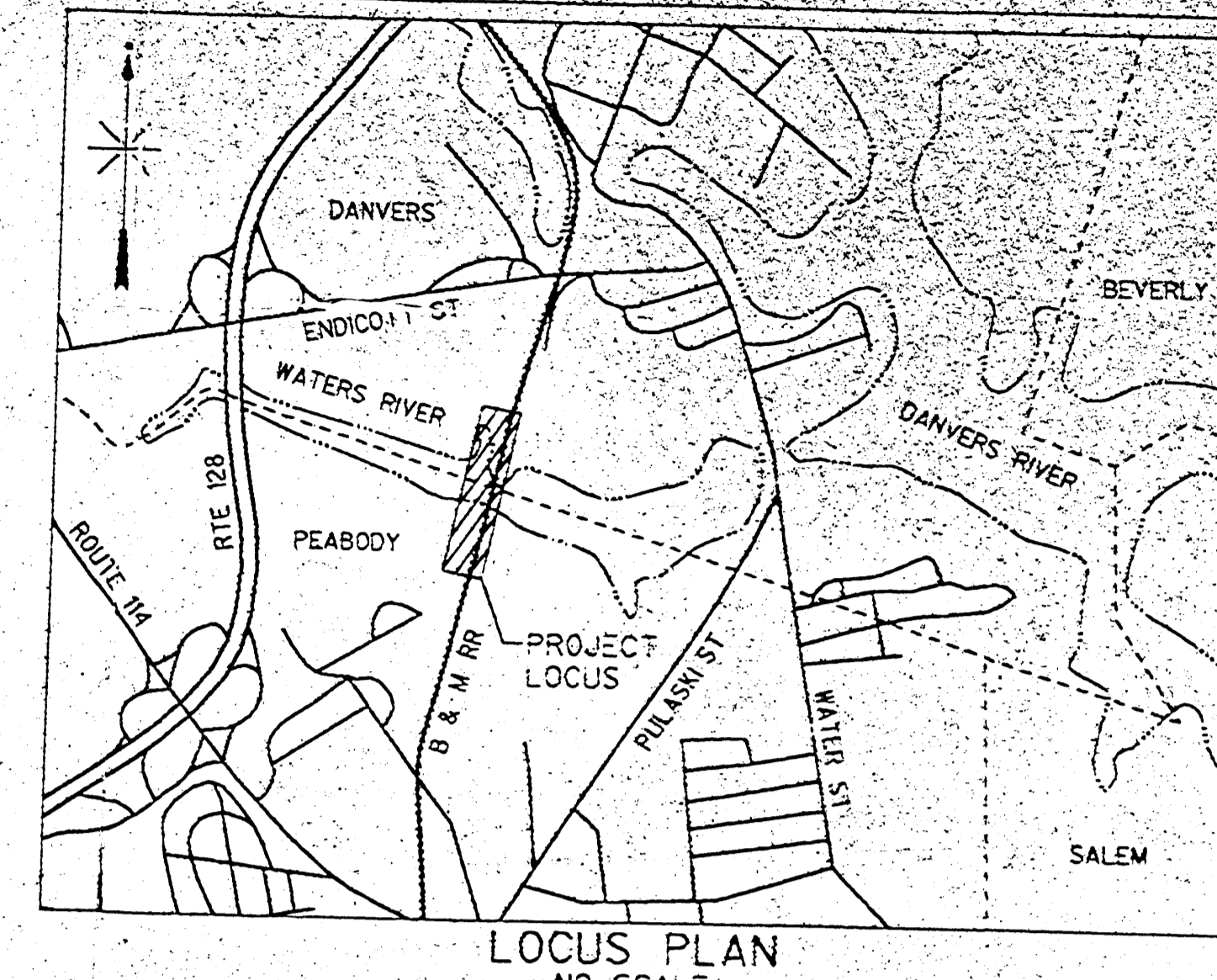
AREA: 17382 DWG. NO.: EY-001



THIS DRAWING CREATED ELECTRONICALLY

PEABODY/DANVERS (ESSEX COUNTY) MASSACHUSETTS

LOCATION	PEABODY/DANVERS (ESSEX COUNTY) MASSACHUSETTS				
INST. NO.					
LAND AREA					
OWNER	PEABODY MUNICIPAL LIGHT PLANT	B&M RAILROAD	N/E. POWER COMPANY	CITY OF PEABODY	TOWN OF DANVERS
VEGETATION	OPEN AREA- GRASS & BUSHES				
MATERIAL	PHRACMITES COMMUNS		WATERS RIVER	SPARTINA ALTERNIFLORA	



PIPE INVENTORY

T	TELEPHONE OR TELEGRAPH LINE
P	P.I. OR DEFLECTION POINT
W	POWER LINE
M	MILE POST
G	GATE BOX
F	FENCE
C	PIPELINE CROSSING
D	CABLE CROSSING
○	CABLE

LEGEND

—	CARRIER PIPE
▬	CONCRETE SLABS
▬	SWAMP WEIGHTS
—	SWAGE CONNECTION
—	WARNING SIGNS
—	BLOCK VALVE
—	TEST LEAD
—	P/L MARKER
—	ANODES

REFERENCE DRAWINGS

TITLE	DWG. NO.
ALIGNMENT SHEET #1 0+00 TO 13+00	17382-EY-001
ALIGNMENT SHEET #2 13+00 TO 19+47.07	17382-EY-002
B & M RR CROSSING	17382-SP-001
WATERS RIVER CROSSING DETAILS	17382-SP-002

NOTES

- EXISTING TOPOGRAPHY BY DAVID D. LANATA & ASSOC., INC. DATED SEPT. 4, 1987.
- VERTICAL DATUM IS BASED ON PEABODY MUNICIPAL LIGHT PLANT DATUM (ELEV 100.00' ± 34.80' MEAN SEA LEVEL).
- CONTRACTOR TO ESTABLISH LIMITS OF EASEMENT PRIOR TO COMMENCING WORK.
- DISTANCES ALONG PIPELINE ARE IN FEET.
- ALL ANGLES ARE TO BE VERIFIED IN FIELD.
- PROFILE IS BASED ON EXISTING GRADE ELEVATION.

ISS	DATE	REVISION	BY	CHK	APP
2	4.28.88	REVISION	STL	AKF	HGD
1	11/16/87	P/L REDESIGNED FOR DIRECTIONAL DRILLING, ADDED NOTE & LOCUS PLAN	STL	AKF	HGD
0	10/15/87	ORIGINAL ISSUE	STL	AKF	HGD

APPROVALS

DATE	SCALE	AS NOTED	DATE	DATE

APPROVED: [Signature]

STONE & WEBSTER ENGINEERING CORPORATION

CLIENT: PEABODY MUNICIPAL LIGHT PLANT, PEABODY, MASSACHUSETTS

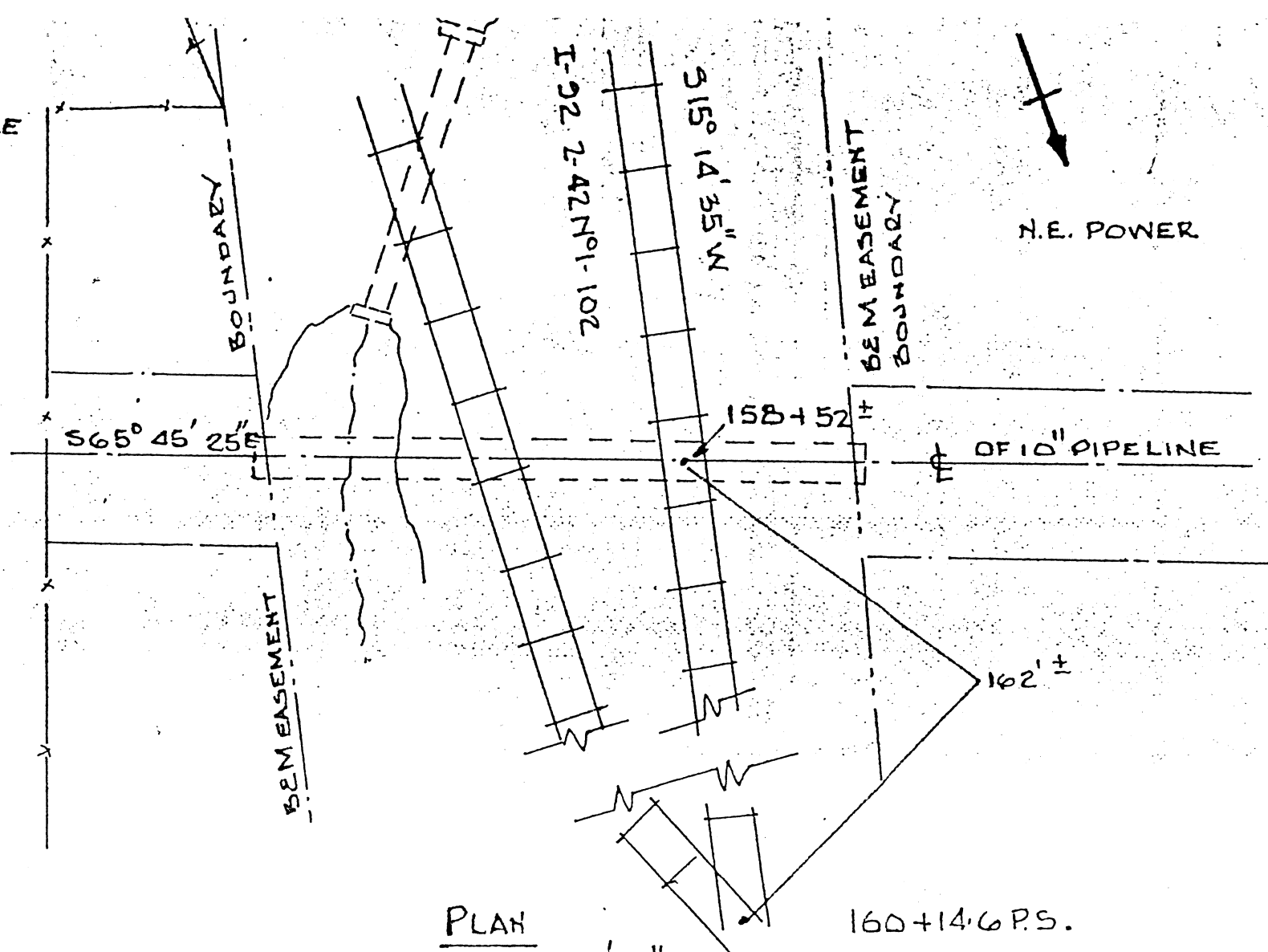
TITLE: PEABODY/DANVERS SUPPLY LINE ALIGNMENT SHEET #2 7+00 TO 19+47.07

AREA: J. O. NUMBER: 17382, DWG. NO.: EY-002, ISSUE: 2

THIS DRAWING CREATED ELECTRONICALLY

EXISTING FENCE

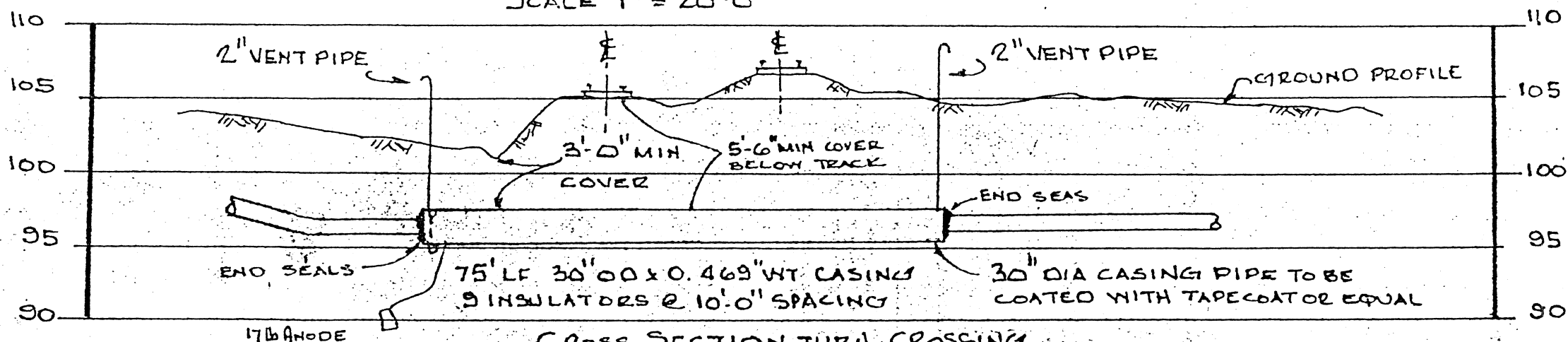
P.M.L.P.



PLAN

SCALE 1" = 20'-0"

160+14.6 P.S.



CROSS SECTION THRU CROSSING

SCALE HOR. 1" = 20'-0"  
VERT 1" = 10'-0"

**SPECIFICATIONS**

American Railway Engineering Assn. P.S. 9  
S.O.T. CFR 49 Pt. 197  
A.S.T. 831.4 Std for Gas Transmission  
BEM RR Policies & Specifications Section III

Product: Natural Gas

PIPE DETAILS:

Line Pipe: 30" O.D. X 0.469" WT  
A.S.T. 831.4 Std

Casing Pipe: 30" O.D. X 0.469" WT  
Max Operating Pressure: 140 psi  
Hydrostatic Test Pressure: 1120 psi

Elevations are based on BM located  
in P.M.L.P. property  
BM 100.00 = 34.8' datum

Location of crossing obtained  
from BEM Track Map  
Station 147+80 to Station 200+80  
WATERS RIVER (V7-12/4)

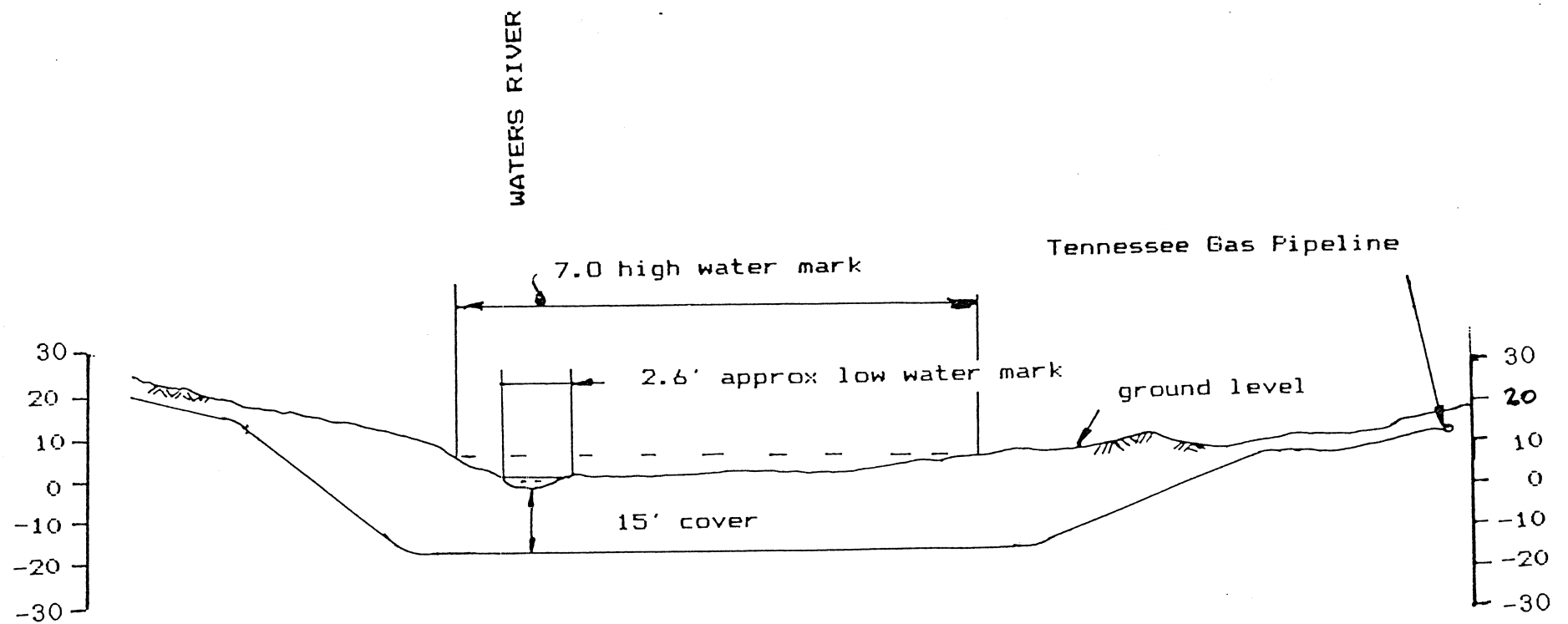
**NOTE:**

All work shall be performed in accordance  
with the latest edition of the Standard  
Railroad Specifications of the  
GTI Rail Division.

CASING TO BE INSTALLED BY  
JACKING METHOD.



2	ISSUED FOR BID	7/80	4/29	SCALE AS SHOWN	STONE & WEBSTER ENGINEERING CORPORATION PROPOSED PIPELINE CROSSING OF BEM RR. PEABODY, MA	AREA	J.O. NO.	DRAWING NO.	ISSUE
1	ISSUED FOR PERMIT	4/80	4/22	DESIGN		17382	BP-001	01	
0	ISSUED FOR REVIEW	4/80	10/88	CHECKED					
NO.	REVISION DESCRIPTION	BY	DATE	DRAWN					
	CERT. FOR FAB.			APPROVED					
	CERT. FOR CONST.			CHECKED					



PROFILE OF PROPOSED 10" PIPELINE

Scale. Horizontal 1" = 200ft  
Vertical 1" = 40ft

SPECIFICATIONS:  
 Linepipe 10.75" OD X 0.369" WT  
 A.P.I. 5L Grd. X-42  
 Coating Fusion Bonded Epoxy  
 Max. Operating Pressure 900psi  
 Test Pressure 1125psi

Level data obtained from BM located within PMLP property and referenced to M.S.L.

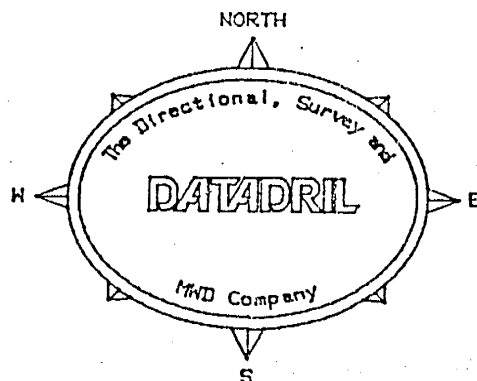
Plan accompanying petition of.. Peabody Municipal Light Plant

1 ISSUED FOR BLD		S.W.		SCALE 1" = 200'		STONE & WEBSTER ENGINEERING CORPORATION			
0 ISSUED FOR PERMIT				DESIGN 7b		PROFILE OF PROPOSED GAS PIPELINE (PMLP, MA)			
NO	REVISION DESCRIPTION	BY	DATE	DRAWN	AREA	I.O. NO.	DRAWING NO.	ISSUE	
	CERT FOR FAB			CERT FOR CONST.	APPROVED	CHECKED	17382	BP-002	01

# DATA DRIL

## REPORT of RIVER CROSSING SURVEY

MICHELS PIPELINE CONSTRUCTION  
WATER RIVER PIPELINE CROSSING  
PEABODY, MASSACHUSETTS





## DATADRIL

MICHELS PIPELINE CONSTRUCTION  
 WATER RIVER PIPELINE CROSSING  
 PEARBODY, MASSACHUSETTS

DIRECTIONAL DRILLER:  
 MATT THOMPSON  
 SST/ SHAREWELL SST

File Name: MICROST

\*\*\* RECORD OF SURVEY \*\*\*  
 Calculated by DATADRIL's CADDs System

Radius of Curvature Method  
 All Angles are Decimal  
 Vertical Section Plane: N 31.20 E

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	DOGLEG SEVERITY (DEG/100')
ST	0.00	74.50	N 29.50 E	0.00	0.00	0.00 N	0.00 E	0.00	0.00
ST	34.10	74.50	N 29.50 E	34.10	9.11	28.60 N	16.18 E	32.84	0.00
ST	64.70	79.30	N 28.50 E	30.60	16.05	54.66 N	30.63 E	62.62	16.01
ST	94.80	83.60	N 24.70 E	30.10	20.52	81.26 N	43.95 E	92.27	18.97
ST	124.90	86.00	N 24.60 E	30.10	23.25	108.50 N	56.45 E	122.05	7.98
ST	155.30	88.00	N 25.50 E	30.40	24.84	136.01 N	69.30 E	152.23	7.21
ST	186.30	86.80	N 27.80 E	31.00	26.25	163.68 N	83.19 E	183.10	8.36
ST	216.60	85.30	N 29.40 E	30.30	28.33	190.22 N	97.66 E	213.30	7.23
ST	247.70	85.50	N 33.20 E	31.10	30.83	216.70 N	113.76 E	244.29	12.20
ST	277.70	85.00	N 31.20 E	30.00	33.31	242.00 N	129.69 E	274.18	6.85
ST	308.00	86.70	N 28.90 E	30.30	35.50	268.16 N	144.82 E	304.39	9.42
ST	339.30	89.40	N 29.00 E	31.30	36.57	295.53 N	159.96 E	335.65	8.63
ST	369.60	90.10	N 32.50 E	30.30	36.70	321.56 N	175.45 E	365.94	11.78
ST	400.70	87.20	N 32.00 E	31.10	37.43	347.85 N	192.04 E	397.02	9.46
ST	431.30	86.60	N 32.00 E	30.60	39.09	373.77 N	208.23 E	427.58	1.96
ST	461.40	88.00	N 29.70 E	30.10	40.51	399.58 N	223.65 E	457.64	8.94
ST	491.90	88.10	N 30.00 E	30.50	41.54	426.01 N	238.82 E	488.11	1.04
ST	522.40	90.00	N 31.20 E	30.50	42.05	452.26 N	254.35 E	518.61	7.37
ST	553.00	89.80	N 32.00 E	30.60	42.10	478.32 N	270.38 E	549.21	2.69
ST	583.80	91.80	N 30.70 E	30.80	41.67	504.62 N	286.40 E	580.00	7.74
ST	614.40	90.80	N 32.20 E	30.60	40.98	530.72 N	302.36 E	610.59	5.89

## DATADRIL

 MICHELS PIPELINE CONSTRUCTION  
 WATER RIVER PIPELINE CROSSING

PEABODY, MASSACHUSETTS

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	DOGLEG SEVERITY (DEG/100')
ST	643.80	90.40	N 32.70 E	29.40	40.67	555.53 N	318.14 E	639.98	2.18
ST	674.70	91.60	N 32.80 E	30.90	40.13	581.51 N	334.85 E	670.87	3.90
ST	705.60	90.60	N 31.50 E	30.90	39.54	607.67 N	351.29 E	701.75	5.31
ST	736.70	89.40	N 30.10 E	31.10	39.54	634.38 N	367.21 E	732.85	5.93
ST	766.90	89.60	N 30.30 E	30.20	39.80	660.48 N	382.40 E	763.05	.94
ST	797.60	89.90	N 29.60 E	30.70	39.94	687.08 N	397.73 E	793.74	2.48
ST	828.60	89.40	N 29.10 E	31.00	40.13	714.10 N	412.92 E	824.72	2.28
ST	859.20	89.70	N 28.50 E	30.60	40.37	740.91 N	427.67 E	855.29	2.19
ST	888.90	90.70	N 28.50 E	29.70	40.26	767.01 N	441.84 E	884.96	3.37
ST	919.50	90.60	N 29.20 E	30.60	39.92	793.81 N	456.60 E	915.53	2.31
ST	950.50	92.90	N 30.30 E	31.00	38.97	820.71 N	471.97 E	946.51	8.22
ST	981.50	91.40	N 31.20 E	31.00	37.81	847.34 N	487.81 E	977.48	5.64
ST	1012.80	88.10	N 34.40 E	31.30	37.94	873.64 N	504.76 E	1008.76	14.69
ST	1043.80	88.20	N 37.00 E	31.00	38.94	898.80 N	522.84 E	1039.65	8.39
ST	1074.50	91.00	N 39.10 E	30.70	39.16	922.97 N	541.76 E	1070.12	11.40
ST	1105.70	89.50	N 37.80 E	31.20	39.02	947.40 N	561.16 E	1101.07	6.36
ST	1136.50	92.00	N 34.10 E	30.80	38.62	972.33 N	579.24 E	1131.75	14.50
ST	1168.50	94.90	N 33.00 E	32.00	36.69	998.94 N	596.89 E	1163.67	9.69
ST	1199.50	96.10	N 31.50 E	31.00	33.72	1025.04 N	613.35 E	1194.52	6.18
ST	1231.30	96.90	N 30.90 E	31.80	30.12	1052.06 N	629.72 E	1226.11	3.14
ST	1263.00	95.70	N 32.10 E	31.70	26.64	1078.93 N	646.18 E	1257.62	5.34
ST	1294.60	94.70	N 31.80 E	31.60	23.78	1105.63 N	662.84 E	1289.08	3.30
ST	1325.80	96.00	N 32.00 E	31.20	20.87	1132.00 N	679.25 E	1320.15	4.22
ST	1357.40	99.60	N 30.80 E	31.60	16.58	1158.72 N	695.56 E	1351.45	12.00
ST	1388.90	104.80	N 30.70 E	31.50	9.93	1185.17 N	711.30 E	1382.22	16.51
ST	1420.40	104.80	N 30.70 E	31.50	1.88	1211.36 N	726.84 E	1412.68	0.00
ST	1452.00	104.80	N 30.70 E	31.60	-6.19	1237.63 N	742.44 E	1443.23	0.00

BOTTOM HOLE CLOSURE: 1443.24 Feet at N 30.96 Degrees E

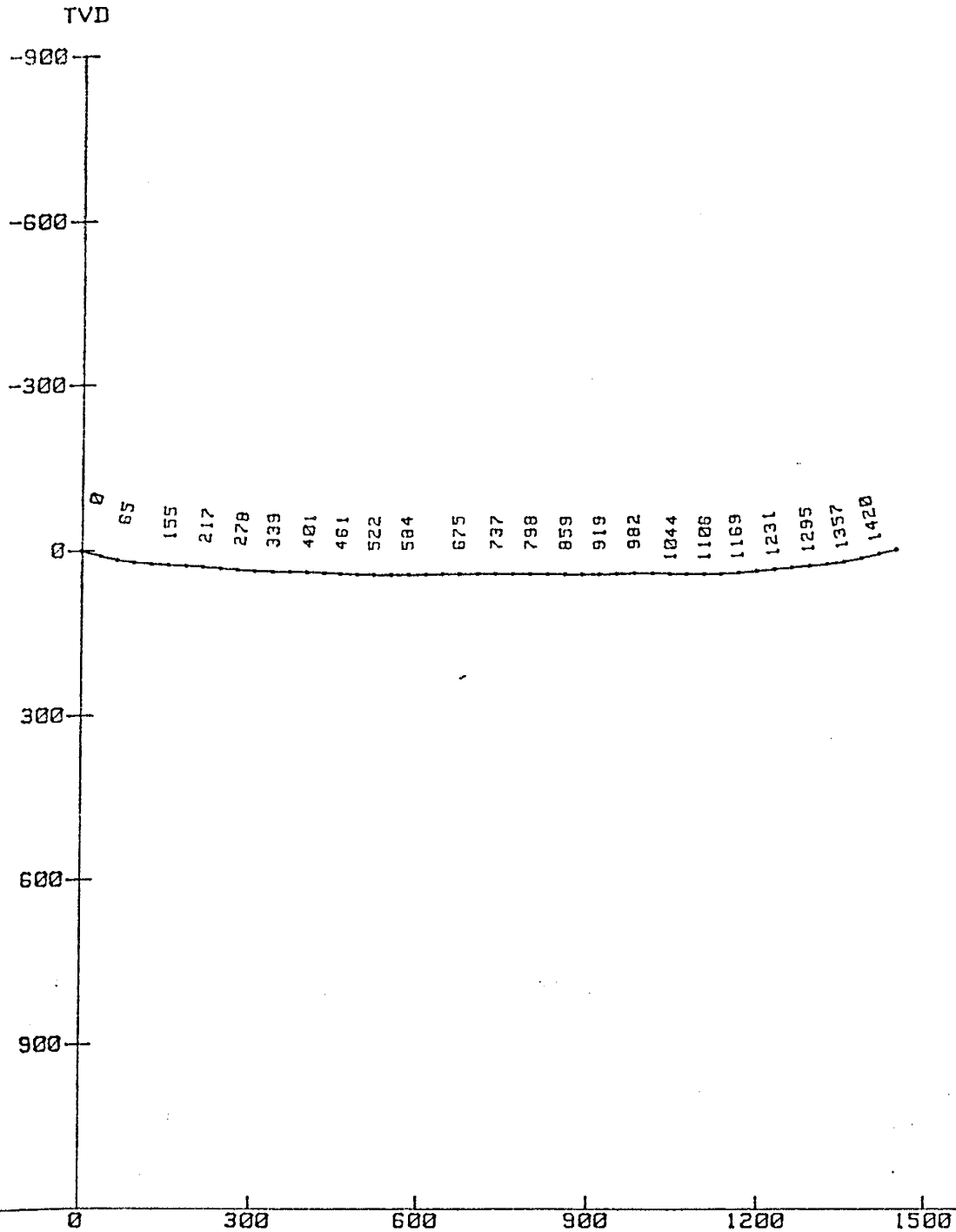
MICHEL'S PIPELINE CONSTRUCTION  
 WATER RIVER PIPELINE CROSSING  
 PERBODY, MASSACHUSETTS

29 JUL 1988 @ 9:38

# DATA DRILL

VERTICAL PLOT

SCALE: 300 FEET/INCH



VERTICAL SECTION  
 SECTION PLANE: N 31.20 E

BHL: 1443 FEET  
 @ N 30.96 E  
 TVD: -6 FEET  
 MD: 1452 FEET

MICHELS PIPELINE CONSTRUCTION  
WATER RIVER PIPELINE CROSSING  
PERBODY, MASSACHUSETTS

29 JUL 1988 @ 9:30

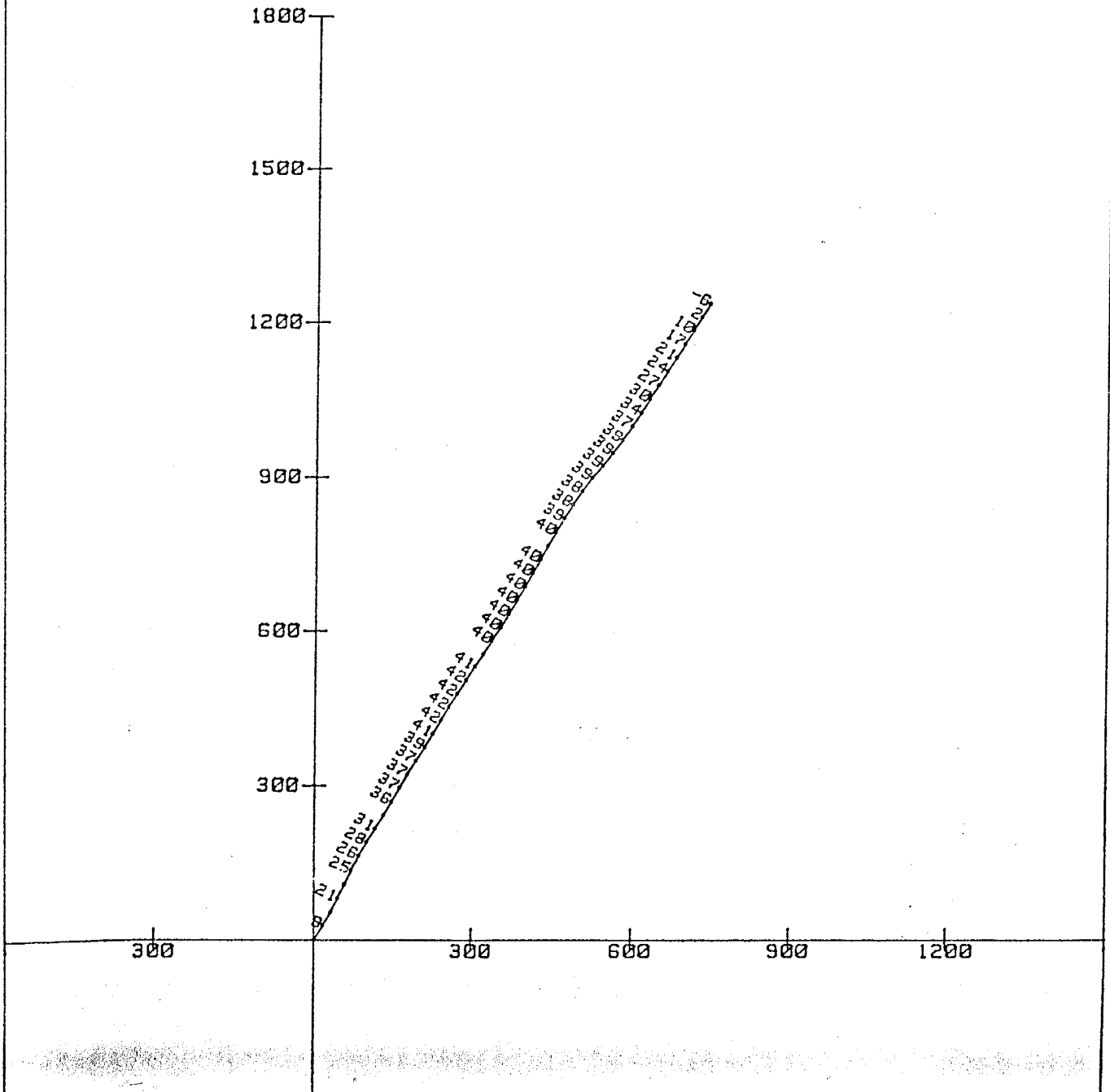
# DATA DRILL

HORIZONTAL PLOT



SCALE: 300 FEET/INCH

BHL: 1443 FEET  
@ N 30.96 E  
TVD: -6 FEET  
MD: 1452 FEET



Line pipe

40	1
43	5
40	4
42	7
43	9
10	11
8	7
43	7
39	5
39	10
42	8
42	7
40	3
21	11
43	2
40	6
40	
44	3
44	4
39	4
41	7
42	3
43	9
42	2
42	9
42	10
43	3
41	6
43	7
40	8
42	8
44	6
44	
43	5
42	9
43	9
43	5
42	11
43	5
43	7
42	9
42	11
44	9
44	11
21	5
tube turn	
39	4
42	5
42	10
1931	7

Fabrication

36	1
41	7
40	9
9	10
tee	
4	10
tubr turn	
2	5
2	9
138	3

MATCH LINE TO SHEET 5

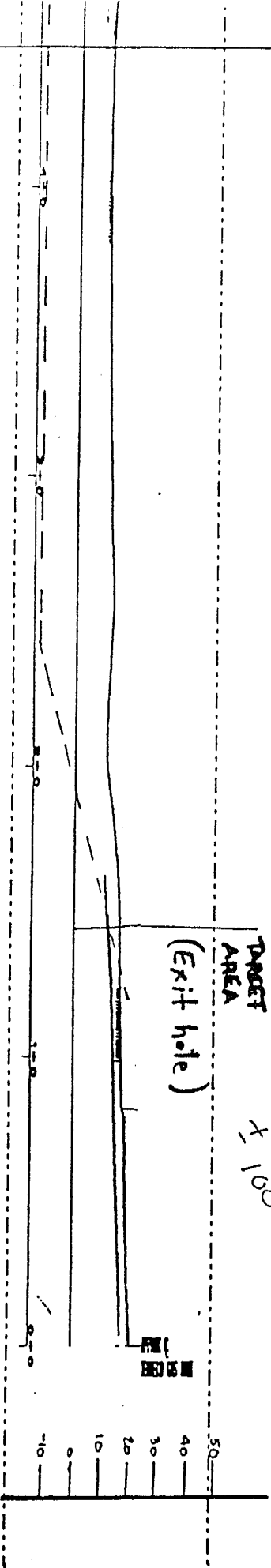
DANVERS

100' BUFFER ZONE

TARGET AREA  
(Exit hole)

± 100'

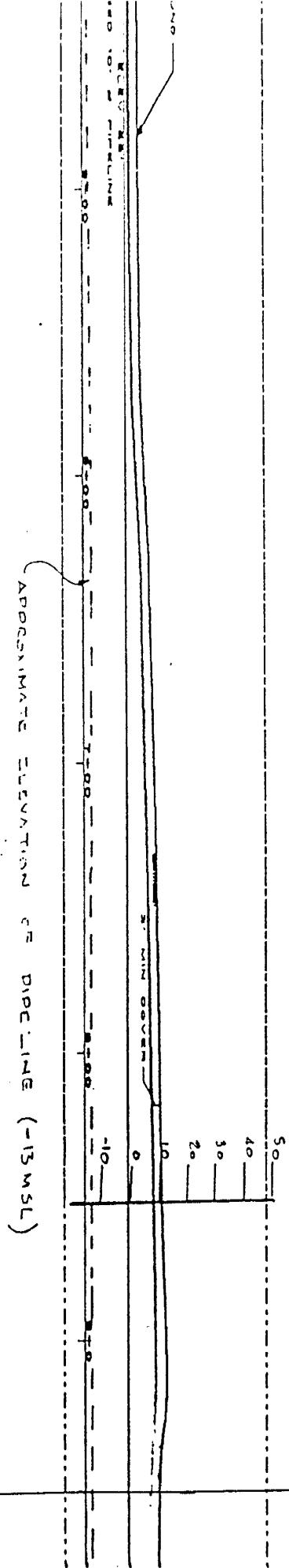
TENNECO  
GAS  
LINE



APPROVED	SCALE 1" = 40'	
CERT. NO. / TAB	DESIGN NO.	
CERT. TO COMPLY	CHECKED	
	DRAWN	
	CHECKED	AREA

LOCATION PLAN  
 FOR: Peabody Municipal Light Plant  
 AT: Peabody, Danvers, MA  
 SCALE: 1" = 52'  
 SHEET: 6 of 6

DATE: 12-15-

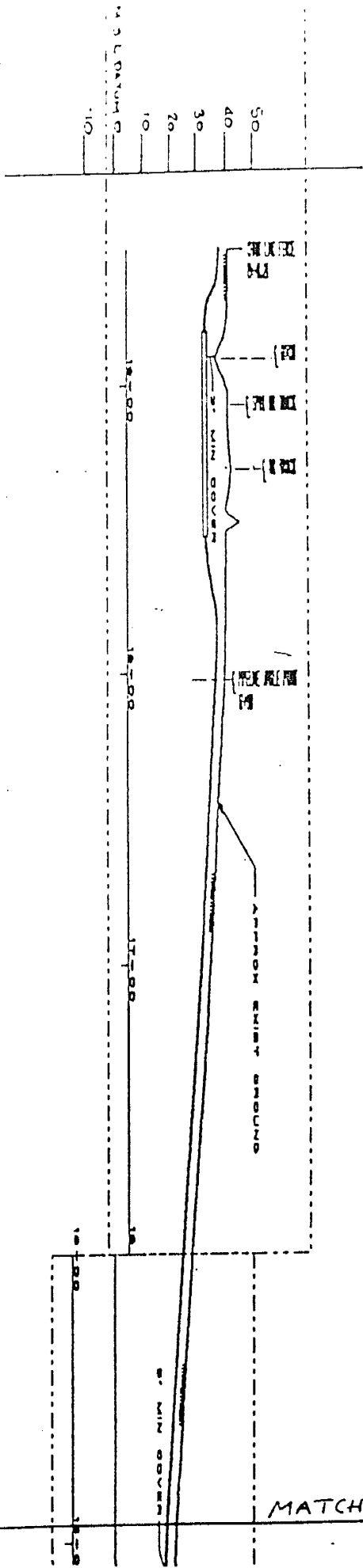


LOCATION PLAN  
 FOR: Peabody Municipal Light Plant  
 AT: Peabody/Danvers, MA  
 SCALE: 1" = 52'  
 SHEET: 5 of 6

DATE: 12-11

MATCH LINE TO SHEET 6





PEABODY

LOCATION PLAN  
 FOR: Peabody Municipal Light Plant  
 AT: Peabody/Danvers, MA  
 SCALE: 1" = 50'  
 SHEET: 3 of 6  
 DATE: 12-4-

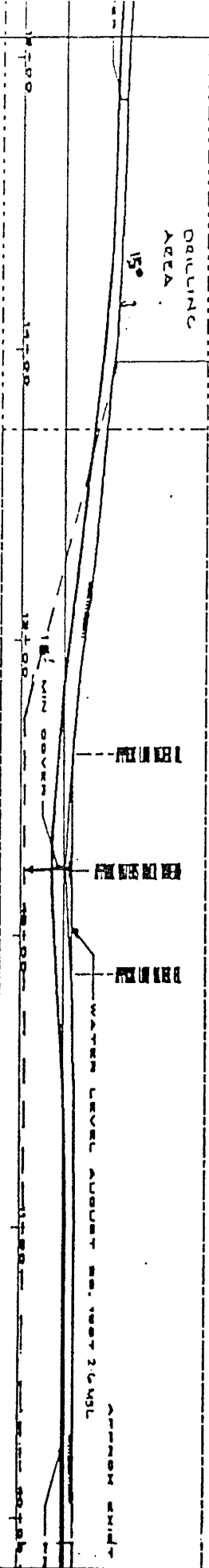
MATCH LINE TO SHEET 4

MATCH LINE TO SHEET 3

ENTRY  
HOLE

DOLLING  
AREA

WATERS RIVER



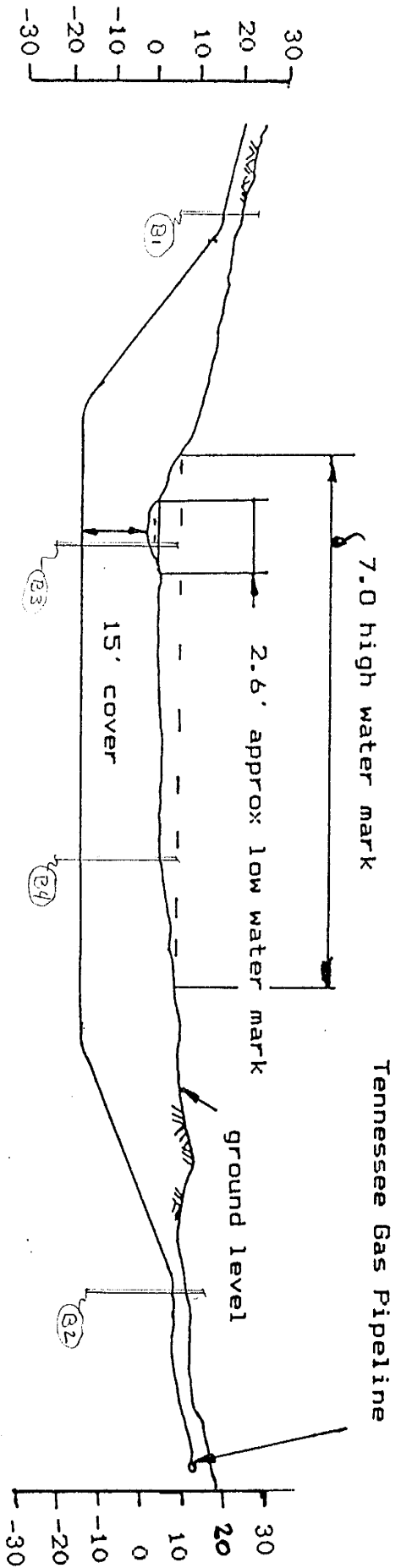
SCALE 1" = 50 FT Horizontal  
 1/2" = 50 FT Vertical

LOCATION PLAN  
 FOR: *Peabody Municipal Light Plant*  
 AT: *Peabody/Danvers, MA*  
 SCALE: 1" = 52'  
 SHEET: 4 of 6

DATE: 12-15-8

MATCH LINE TO SHEET 5

WATERS RIVER



PROFILE OF PROPOSED 10" PIPELINE

Scale. Horizontal 1" = 200ft  
Vertical 1" = 40ft

SPECIFICATIONS:  
 Linepipe 10.75" OD X 0.369" WT  
 A.P.I. 5L Grd. X-42  
 Coating Fusion Bonded Epoxy

Level data obtained from BM located within PMLP property and referenced to M.S.L.

Max. Operating Pressure 900psi  
 Test Pressure 1125psi

Plan accompanying petition of. Peabody Municipal Light Plan.

1	ISSUED FOR BLD		SCALE	1" = 40'	<p>STONE &amp; WEBSTER ENGINEERING CORPORATION</p>
0	ISSUED FOR PERMIT		DESIGN	1" = 40'	
	REVISION DESCRIPTION	BY	DATE	CHECKED	<p>PROFILE OF PROPOSED GAS PIPELINE (PMLP. MA)</p>
	CERT FOR FAB		APPROVED	DRAWN	
				CHECKED	<p>AREA</p> <p>17382</p>
					<p>DRAWING NO.</p> <p>BP-002</p>

**Attachment 7.4 - Prevailing Wage Rates**



**THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS**

**Prevailing Wage Rates**

**As determined by the Director under the provisions of the  
Massachusetts General Laws, Chapter 149, Sections 26 to 27H**

RONALD L. WALKER, II  
Secretary  
WILLIAM D MCKINNEY  
Director

CHARLES D. BAKER  
Governor

KARYN E. POLITO  
Lt. Governor

**Awarding Authority:** Peabody Municipal Lighting Commission  
**Contract Number:** **City/Town:** PEABODY  
**Description of Work:** Perform Pipeline Modifications and support of in-line inspection of PMLP's 10" natural gas pipeline.  
**Job Location:** 58R Pulaski Street, Peabody

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule from the Department of Labor Standards ("DLS") if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Department of Labor Standards, Division of Apprentice Standards (DLS/DAS). Apprentice must keep his/her apprentice identification card on his/her person during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **Any apprentice not registered with DLS/DAS regardless of whether or not they are registered with any other federal, state, local, or private agency must be paid the journeyworker's rate for the trade.**
- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F "rental of equipment" contracts.
- Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Construction</b>						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$88.29	\$9.80	\$19.23	\$0.00	\$117.32
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2016	\$33.15	\$7.45	\$12.65	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT &amp; FROST INSULATORS LOCAL 6 (BOSTON)</i>	12/01/2016	\$33.90	\$11.50	\$7.10	\$0.00	\$52.50
	06/01/2017	\$34.90	\$11.50	\$7.10	\$0.00	\$53.50
	12/01/2017	\$35.90	\$11.50	\$7.10	\$0.00	\$54.50
	06/01/2018	\$36.90	\$11.50	\$7.10	\$0.00	\$55.50
	12/01/2018	\$37.90	\$11.50	\$7.10	\$0.00	\$56.50
	06/01/2019	\$38.90	\$11.50	\$7.10	\$0.00	\$57.50
	12/01/2019	\$39.90	\$11.50	\$7.10	\$0.00	\$58.50
	06/01/2020	\$40.90	\$11.50	\$7.10	\$0.00	\$59.50
	12/01/2020	\$41.90	\$11.50	\$7.10	\$0.00	\$60.50
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2016	\$33.15	\$7.45	\$12.65	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2016	\$41.62	\$6.97	\$16.21	\$0.00	\$64.80
	01/01/2017	\$42.92	\$6.97	\$16.21	\$0.00	\$66.10

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - BOILERMAKER - Local 29**

**Effective Date - 01/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$27.05	\$6.97	\$10.54	\$0.00	\$44.56
2	65	\$27.05	\$6.97	\$10.54	\$0.00	\$44.56
3	70	\$29.13	\$6.97	\$11.35	\$0.00	\$47.45
4	75	\$31.22	\$6.97	\$12.16	\$0.00	\$50.35
5	80	\$33.30	\$6.97	\$12.97	\$0.00	\$53.24
6	85	\$35.38	\$6.97	\$13.78	\$0.00	\$56.13
7	90	\$37.46	\$6.97	\$14.59	\$0.00	\$59.02
8	95	\$39.54	\$6.97	\$15.40	\$0.00	\$61.91

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$27.90	\$6.97	\$10.54	\$0.00	\$45.41
2	65	\$27.90	\$6.97	\$10.54	\$0.00	\$45.41
3	70	\$30.04	\$6.97	\$11.35	\$0.00	\$48.36
4	75	\$32.19	\$6.97	\$12.16	\$0.00	\$51.32
5	80	\$34.34	\$6.97	\$12.97	\$0.00	\$54.28
6	85	\$36.48	\$6.97	\$13.78	\$0.00	\$57.23
7	90	\$38.63	\$6.97	\$14.59	\$0.00	\$60.19
8	95	\$40.77	\$6.97	\$15.40	\$0.00	\$63.14

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	08/01/2016	\$50.76	\$10.18	\$19.22	\$0.00	\$80.16
BRICKLAYERS LOCAL 3 (LYNN)	02/01/2017	\$51.33	\$10.18	\$19.22	\$0.00	\$80.73

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Lynn**

**Effective Date - 08/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.38	\$10.18	\$19.22	\$0.00	\$54.78
2	60	\$30.46	\$10.18	\$19.22	\$0.00	\$59.86
3	70	\$35.53	\$10.18	\$19.22	\$0.00	\$64.93
4	80	\$40.61	\$10.18	\$19.22	\$0.00	\$70.01
5	90	\$45.68	\$10.18	\$19.22	\$0.00	\$75.08

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.67	\$10.18	\$19.22	\$0.00	\$55.07
2	60	\$30.80	\$10.18	\$19.22	\$0.00	\$60.20
3	70	\$35.93	\$10.18	\$19.22	\$0.00	\$65.33
4	80	\$41.06	\$10.18	\$19.22	\$0.00	\$70.46
5	90	\$46.20	\$10.18	\$19.22	\$0.00	\$75.60

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

<b>BULLDOZER/GRADER/SCRAPER</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>CAISSON &amp; UNDERPINNING BOTTOM MAN</b> <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$37.95	\$7.45	\$14.00	\$0.00	\$59.40
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For apprentice rates see "Apprentice- LABORER"

<b>CAISSON &amp; UNDERPINNING LABORER</b> <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$36.80	\$7.45	\$14.00	\$0.00	\$58.25
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For apprentice rates see "Apprentice- LABORER"

<b>CAISSON &amp; UNDERPINNING TOP MAN</b> <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$36.80	\$7.45	\$14.00	\$0.00	\$58.25
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For apprentice rates see "Apprentice- LABORER"

<b>CARBIDE CORE DRILL OPERATOR</b> <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
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For apprentice rates see "Apprentice- LABORER"

<b>CARPENTER</b> <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	09/01/2016	\$37.80	\$9.90	\$17.00	\$0.00	\$64.70
	03/01/2017	\$38.77	\$9.90	\$17.00	\$0.00	\$65.67
	09/01/2017	\$39.78	\$9.90	\$17.00	\$0.00	\$66.68
	03/01/2018	\$40.78	\$9.90	\$17.00	\$0.00	\$67.68
	09/01/2018	\$41.82	\$9.90	\$17.00	\$0.00	\$68.72
	03/01/2019	\$42.85	\$9.90	\$17.00	\$0.00	\$69.75



**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - CARPENTER - Zone 2 Eastern MA**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.90	\$9.90	\$1.63	\$0.00	\$30.43
2	60	\$22.68	\$9.90	\$1.63	\$0.00	\$34.21
3	70	\$26.46	\$9.90	\$12.11	\$0.00	\$48.47
4	75	\$28.35	\$9.90	\$12.11	\$0.00	\$50.36
5	80	\$30.24	\$9.90	\$13.74	\$0.00	\$53.88
6	80	\$30.24	\$9.90	\$13.74	\$0.00	\$53.88
7	90	\$34.02	\$9.90	\$15.37	\$0.00	\$59.29
8	90	\$34.02	\$9.90	\$15.37	\$0.00	\$59.29

**Effective Date - 03/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.39	\$9.90	\$1.63	\$0.00	\$30.92
2	60	\$23.26	\$9.90	\$1.63	\$0.00	\$34.79
3	70	\$27.14	\$9.90	\$12.11	\$0.00	\$49.15
4	75	\$29.08	\$9.90	\$12.11	\$0.00	\$51.09
5	80	\$31.02	\$9.90	\$13.74	\$0.00	\$54.66
6	80	\$31.02	\$9.90	\$13.74	\$0.00	\$54.66
7	90	\$34.89	\$9.90	\$15.37	\$0.00	\$60.16
8	90	\$34.89	\$9.90	\$15.37	\$0.00	\$60.16

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

CEMENT MASONRY/PLASTERING	07/01/2016	\$44.69	\$12.20	\$19.33	\$1.30	\$77.52
BRICKLAYERS LOCAL 3 (LYNN)	01/01/2017	\$45.67	\$12.20	\$19.41	\$1.30	\$78.58
	07/01/2017	\$46.30	\$12.20	\$19.41	\$1.30	\$79.21
	01/01/2018	\$46.54	\$12.20	\$19.41	\$1.30	\$79.45
	07/01/2018	\$46.79	\$12.20	\$19.41	\$1.30	\$79.70
	01/01/2019	\$47.03	\$12.20	\$19.41	\$1.30	\$79.94
	07/01/2019	\$47.27	\$12.20	\$19.41	\$1.30	\$80.18
	01/01/2020	\$47.52	\$12.20	\$19.41	\$1.30	\$80.43

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Lynn)**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.35	\$12.20	\$12.33	\$0.00	\$46.88
2	60	\$26.81	\$12.20	\$14.33	\$1.30	\$54.64
3	65	\$29.05	\$12.20	\$15.33	\$1.30	\$57.88
4	70	\$31.28	\$12.20	\$16.33	\$1.30	\$61.11
5	75	\$33.52	\$12.20	\$17.33	\$1.30	\$64.35
6	80	\$35.75	\$12.20	\$18.33	\$1.30	\$67.58
7	90	\$40.22	\$12.20	\$19.33	\$1.30	\$73.05

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.84	\$12.20	\$12.41	\$0.00	\$47.45
2	60	\$27.40	\$12.20	\$14.41	\$1.30	\$55.31
3	65	\$29.69	\$12.20	\$15.41	\$1.30	\$58.60
4	70	\$31.97	\$12.20	\$16.41	\$1.30	\$61.88
5	75	\$34.25	\$12.20	\$17.41	\$1.30	\$65.16
6	80	\$36.54	\$12.20	\$18.41	\$1.30	\$68.45
7	90	\$41.10	\$12.20	\$19.41	\$1.30	\$74.01

**Notes:**

Steps 3,4 are 500 hrs. All other steps are 1,000 hrs.

**Apprentice to Journeyworker Ratio:1:3**

<b>CHAIN SAW OPERATOR</b> <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
<b>CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	06/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
	12/01/2017	\$48.38	\$10.00	\$15.25	\$0.00	\$73.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
<b>COMPRESSOR OPERATOR</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$31.17	\$10.00	\$15.25	\$0.00	\$56.42
	06/01/2017	\$31.86	\$10.00	\$15.25	\$0.00	\$57.11
	12/01/2017	\$32.55	\$10.00	\$15.25	\$0.00	\$57.80
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
<b>DELEADER (BRIDGE)</b> <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.23	\$7.85	\$0.00	\$0.00	\$33.08
2	55	\$27.75	\$7.85	\$3.66	\$0.00	\$39.26
3	60	\$30.28	\$7.85	\$3.99	\$0.00	\$42.12
4	65	\$32.80	\$7.85	\$4.32	\$0.00	\$44.97
5	70	\$35.32	\$7.85	\$14.11	\$0.00	\$57.28
6	75	\$37.85	\$7.85	\$14.44	\$0.00	\$60.14
7	80	\$40.37	\$7.85	\$14.77	\$0.00	\$62.99
8	90	\$45.41	\$7.85	\$15.44	\$0.00	\$68.70

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.71	\$7.85	\$0.00	\$0.00	\$33.56
2	55	\$28.28	\$7.85	\$3.66	\$0.00	\$39.79
3	60	\$30.85	\$7.85	\$3.99	\$0.00	\$42.69
4	65	\$33.42	\$7.85	\$4.32	\$0.00	\$45.59
5	70	\$35.99	\$7.85	\$14.11	\$0.00	\$57.95
6	75	\$38.56	\$7.85	\$14.44	\$0.00	\$60.85
7	80	\$41.13	\$7.85	\$14.77	\$0.00	\$63.75
8	90	\$46.27	\$7.85	\$15.44	\$0.00	\$69.56

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

DEMO: ADZEMAN LABORERS - ZONE 2	12/01/2015	\$35.50	\$7.45	\$13.55	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2	12/01/2015	\$36.50	\$7.45	\$13.55	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BURNERS LABORERS - ZONE 2	12/01/2015	\$36.25	\$7.45	\$13.55	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 2	12/01/2015	\$36.50	\$7.45	\$13.55	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 2	12/01/2015	\$36.25	\$7.45	\$13.55	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER LABORERS - ZONE 2	12/01/2015	\$35.50	\$7.45	\$13.55	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$58.86	\$9.80	\$19.23	\$0.00	\$87.89
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$42.04	\$9.80	\$19.23	\$0.00	\$71.07
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$63.06	\$9.80	\$19.23	\$0.00	\$92.09
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$88.23	\$9.80	\$19.23	\$0.00	\$117.26
For apprentice rates see "Apprentice- PILE DRIVER"						
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	09/01/2016	\$47.13	\$13.00	\$17.41	\$0.00	\$77.54
	03/01/2017	\$48.33	\$13.00	\$17.45	\$0.00	\$78.78
	09/01/2017	\$49.28	\$13.00	\$17.48	\$0.00	\$79.76
	03/01/2018	\$50.48	\$13.00	\$17.51	\$0.00	\$80.99
	09/01/2018	\$51.67	\$13.00	\$17.55	\$0.00	\$82.22
	03/01/2019	\$52.87	\$13.00	\$17.59	\$0.00	\$83.46
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	09/01/2016	\$47.13	\$13.00	\$17.41	\$0.00	\$77.54
	03/01/2017	\$48.33	\$13.00	\$17.45	\$0.00	\$78.78
	09/01/2017	\$49.28	\$13.00	\$17.48	\$0.00	\$79.76
	03/01/2018	\$50.48	\$13.00	\$17.51	\$0.00	\$80.99
	09/01/2018	\$51.67	\$13.00	\$17.55	\$0.00	\$82.22
	03/01/2019	\$52.87	\$13.00	\$17.59	\$0.00	\$83.46

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - ELECTRICIAN - Local 103**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.85	\$13.00	\$0.57	\$0.00	\$32.42
2	40	\$18.85	\$13.00	\$0.57	\$0.00	\$32.42
3	45	\$21.21	\$13.00	\$13.36	\$0.00	\$47.57
4	45	\$21.21	\$13.00	\$13.36	\$0.00	\$47.57
5	50	\$23.57	\$13.00	\$13.73	\$0.00	\$50.30
6	55	\$25.92	\$13.00	\$14.09	\$0.00	\$53.01
7	60	\$28.28	\$13.00	\$14.46	\$0.00	\$55.74
8	65	\$30.63	\$13.00	\$14.83	\$0.00	\$58.46
9	70	\$32.99	\$13.00	\$15.20	\$0.00	\$61.19
10	75	\$35.35	\$13.00	\$15.57	\$0.00	\$63.92

**Effective Date - 03/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.33	\$13.00	\$0.58	\$0.00	\$32.91
2	40	\$19.33	\$13.00	\$0.58	\$0.00	\$32.91
3	45	\$21.75	\$13.00	\$13.37	\$0.00	\$48.12
4	45	\$21.75	\$13.00	\$13.37	\$0.00	\$48.12
5	50	\$24.17	\$13.00	\$13.75	\$0.00	\$50.92
6	55	\$26.58	\$13.00	\$14.11	\$0.00	\$53.69
7	60	\$29.00	\$13.00	\$14.48	\$0.00	\$56.48
8	65	\$31.41	\$13.00	\$14.85	\$0.00	\$59.26
9	70	\$33.83	\$13.00	\$15.22	\$0.00	\$62.05
10	75	\$36.25	\$13.00	\$15.60	\$0.00	\$64.85

**Notes :**  
App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

**Apprentice to Journeyworker Ratio:2:3\*\*\***

ELEVATOR CONSTRUCTOR	01/01/2016	\$54.53	\$14.43	\$14.96	\$0.00	\$83.92
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2017	\$55.86	\$15.28	\$15.71	\$0.00	\$86.85

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - ELEVATOR CONSTRUCTOR - Local 4**

**Effective Date - 01/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.27	\$14.43	\$0.00	\$0.00	\$41.70
2	55	\$29.99	\$14.43	\$14.96	\$0.00	\$59.38
3	65	\$35.44	\$14.43	\$14.96	\$0.00	\$64.83
4	70	\$38.17	\$14.43	\$14.96	\$0.00	\$67.56
5	80	\$43.62	\$14.43	\$14.96	\$0.00	\$73.01

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.93	\$15.28	\$0.00	\$0.00	\$43.21
2	55	\$30.72	\$15.28	\$15.71	\$0.00	\$61.71
3	65	\$36.31	\$15.28	\$15.71	\$0.00	\$67.30
4	70	\$39.10	\$15.28	\$15.71	\$0.00	\$70.09
5	80	\$44.69	\$15.28	\$15.71	\$0.00	\$75.68

**Notes:**

Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

**Apprentice to Journeyworker Ratio:1:1**

ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2016	\$38.17	\$14.43	\$14.96	\$0.00	\$67.56
	01/01/2017	\$39.10	\$15.28	\$15.71	\$0.00	\$70.09

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
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For apprentice rates see "Apprentice- LABORER"

FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2016	\$41.37	\$10.00	\$15.15	\$0.00	\$66.52
	05/01/2017	\$42.25	\$10.00	\$15.15	\$0.00	\$67.40
	11/01/2017	\$42.98	\$10.00	\$15.15	\$0.00	\$68.13
	05/01/2018	\$43.69	\$10.00	\$15.15	\$0.00	\$68.84

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2016	\$42.82	\$10.00	\$15.15	\$0.00	\$67.97
	05/01/2017	\$43.71	\$10.00	\$15.15	\$0.00	\$68.86
	11/01/2017	\$44.44	\$10.00	\$15.15	\$0.00	\$69.59
	05/01/2018	\$45.16	\$10.00	\$15.15	\$0.00	\$70.31

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2016	\$21.98	\$10.00	\$15.15	\$0.00	\$47.13
	05/01/2017	\$22.51	\$10.00	\$15.15	\$0.00	\$47.66
	11/01/2017	\$22.93	\$10.00	\$15.15	\$0.00	\$48.08
	05/01/2018	\$23.36	\$10.00	\$15.15	\$0.00	\$48.51

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i>	09/01/2016	\$47.13	\$13.00	\$17.41	\$0.00	\$77.54
	03/01/2017	\$48.33	\$13.00	\$17.45	\$0.00	\$78.78
	09/01/2017	\$49.28	\$13.00	\$17.48	\$0.00	\$79.76
	03/01/2018	\$50.48	\$13.00	\$17.51	\$0.00	\$80.99
	09/01/2018	\$51.67	\$13.00	\$17.55	\$0.00	\$82.22
	03/01/2019	\$52.87	\$13.00	\$17.59	\$0.00	\$83.46
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE <i>LOCAL 103</i> / COMMISSIONING <i>ELECTRICIANS</i>	09/01/2016	\$35.35	\$13.00	\$15.57	\$0.00	\$63.92
	03/01/2017	\$36.25	\$13.00	\$15.60	\$0.00	\$64.85
	09/01/2017	\$36.96	\$13.00	\$15.62	\$0.00	\$65.58
	03/01/2018	\$37.86	\$13.00	\$15.65	\$0.00	\$66.51
	09/01/2018	\$38.75	\$13.00	\$15.67	\$0.00	\$67.42
	03/01/2019	\$39.65	\$13.00	\$15.70	\$0.00	\$68.35
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$37.65	\$10.00	\$15.25	\$0.00	\$62.90
	06/01/2017	\$38.49	\$10.00	\$15.25	\$0.00	\$63.74
	12/01/2017	\$39.32	\$10.00	\$15.25	\$0.00	\$64.57
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 2</i>	12/01/2016	\$20.50	\$7.45	\$12.65	\$0.00	\$40.60
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	03/01/2016	\$42.13	\$9.80	\$17.62	\$0.00	\$69.55

**Apprentice - FLOORCOVERER - Local 2168 Zone 1**

**Effective Date - 03/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.07	\$9.80	\$1.79	\$0.00	\$32.66
2	55	\$23.17	\$9.80	\$1.79	\$0.00	\$34.76
3	60	\$25.28	\$9.80	\$12.25	\$0.00	\$47.33
4	65	\$27.38	\$9.80	\$12.25	\$0.00	\$49.43
5	70	\$29.49	\$9.80	\$14.04	\$0.00	\$53.33
6	75	\$31.60	\$9.80	\$14.04	\$0.00	\$55.44
7	80	\$33.70	\$9.80	\$15.83	\$0.00	\$59.33
8	85	\$35.81	\$9.80	\$15.83	\$0.00	\$61.44

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$31.17	\$10.00	\$15.25	\$0.00	\$56.42
	06/01/2017	\$31.86	\$10.00	\$15.25	\$0.00	\$57.11
	12/01/2017	\$32.55	\$10.00	\$15.25	\$0.00	\$57.80

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
GLAZIERS LOCAL 35 (ZONE 2)	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

**Apprentice - GLAZIER - Local 35 Zone 2**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.98	\$7.85	\$0.00	\$0.00	\$27.83
2	55	\$21.98	\$7.85	\$3.66	\$0.00	\$33.49
3	60	\$23.98	\$7.85	\$3.99	\$0.00	\$35.82
4	65	\$25.97	\$7.85	\$4.32	\$0.00	\$38.14
5	70	\$27.97	\$7.85	\$14.11	\$0.00	\$49.93
6	75	\$29.97	\$7.85	\$14.44	\$0.00	\$52.26
7	80	\$31.97	\$7.85	\$14.77	\$0.00	\$54.59
8	90	\$35.96	\$7.85	\$15.44	\$0.00	\$59.25

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.46	\$7.85	\$0.00	\$0.00	\$28.31
2	55	\$22.50	\$7.85	\$3.66	\$0.00	\$34.01
3	60	\$24.55	\$7.85	\$3.99	\$0.00	\$36.39
4	65	\$26.59	\$7.85	\$4.32	\$0.00	\$38.76
5	70	\$28.64	\$7.85	\$14.11	\$0.00	\$50.60
6	75	\$30.68	\$7.85	\$14.44	\$0.00	\$52.97
7	80	\$32.73	\$7.85	\$14.77	\$0.00	\$55.35
8	90	\$36.82	\$7.85	\$15.44	\$0.00	\$60.11

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

HOISTING ENGINEER/CRANES/GRADALLS	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
OPERATING ENGINEERS LOCAL 4	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63



**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - OPERATING ENGINEERS - Local 4**

**Effective Date - 12/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$24.96	\$10.00	\$0.00	\$0.00	\$34.96
2	60	\$27.23	\$10.00	\$15.25	\$0.00	\$52.48
3	65	\$29.50	\$10.00	\$15.25	\$0.00	\$54.75
4	70	\$31.77	\$10.00	\$15.25	\$0.00	\$57.02
5	75	\$34.04	\$10.00	\$15.25	\$0.00	\$59.29
6	80	\$36.30	\$10.00	\$15.25	\$0.00	\$61.55
7	85	\$38.57	\$10.00	\$15.25	\$0.00	\$63.82
8	90	\$40.84	\$10.00	\$15.25	\$0.00	\$66.09

**Effective Date - 06/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$25.51	\$10.00	\$0.00	\$0.00	\$35.51
2	60	\$27.83	\$10.00	\$15.25	\$0.00	\$53.08
3	65	\$30.15	\$10.00	\$15.25	\$0.00	\$55.40
4	70	\$32.47	\$10.00	\$15.25	\$0.00	\$57.72
5	75	\$34.79	\$10.00	\$15.25	\$0.00	\$60.04
6	80	\$37.10	\$10.00	\$15.25	\$0.00	\$62.35
7	85	\$39.42	\$10.00	\$15.25	\$0.00	\$64.67
8	90	\$41.74	\$10.00	\$15.25	\$0.00	\$66.99

**Notes:**

**Apprentice to Journeyworker Ratio:1:6**

HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - A	11/01/2016	\$43.40	\$10.70	\$23.07	\$2.32	\$79.49
	02/01/2017	\$44.50	\$10.70	\$23.07	\$2.32	\$80.59
	08/01/2017	\$45.60	\$10.70	\$23.07	\$2.32	\$81.69
	02/01/2018	\$46.75	\$10.70	\$23.07	\$2.32	\$82.84

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103	09/01/2016	\$47.13	\$13.00	\$17.41	\$0.00	\$77.54
	03/01/2017	\$48.33	\$13.00	\$17.45	\$0.00	\$78.78
	09/01/2017	\$49.28	\$13.00	\$17.48	\$0.00	\$79.76
	03/01/2018	\$50.48	\$13.00	\$17.51	\$0.00	\$80.99
	09/01/2018	\$51.67	\$13.00	\$17.55	\$0.00	\$82.22
	03/01/2019	\$52.87	\$13.00	\$17.59	\$0.00	\$83.46

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 17 - A	11/01/2016	\$43.40	\$10.70	\$23.07	\$2.32	\$79.49
	02/01/2017	\$44.50	\$10.70	\$23.07	\$2.32	\$80.59
	08/01/2017	\$45.60	\$10.70	\$23.07	\$2.32	\$81.69
	02/01/2018	\$46.75	\$10.70	\$23.07	\$2.32	\$82.84

For apprentice rates see "Apprentice- SHEET METAL WORKER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	09/01/2016	\$47.86	\$9.70	\$16.14	\$0.00	\$73.70
	03/01/2017	\$48.86	\$9.70	\$16.14	\$0.00	\$74.70
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	09/01/2016	\$47.86	\$9.70	\$16.14	\$0.00	\$73.70
	03/01/2017	\$48.86	\$9.70	\$16.14	\$0.00	\$74.70
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i>	12/01/2016	\$33.15	\$7.45	\$12.65	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) <i>HEAT &amp; FROST INSULATORS LOCAL 6 (BOSTON)</i>	09/01/2016	\$45.09	\$11.75	\$14.20	\$0.00	\$71.04
	09/01/2017	\$47.09	\$11.75	\$14.20	\$0.00	\$73.04
	09/01/2018	\$49.34	\$11.75	\$14.20	\$0.00	\$75.29
	09/01/2019	\$51.84	\$11.75	\$14.20	\$0.00	\$77.79

**Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Boston**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.55	\$11.75	\$10.45	\$0.00	\$44.75
2	60	\$27.05	\$11.75	\$11.20	\$0.00	\$50.00
3	70	\$31.56	\$11.75	\$11.95	\$0.00	\$55.26
4	80	\$36.07	\$11.75	\$12.70	\$0.00	\$60.52

**Effective Date - 09/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.55	\$11.75	\$10.45	\$0.00	\$45.75
2	60	\$28.25	\$11.75	\$11.20	\$0.00	\$51.20
3	70	\$32.96	\$11.75	\$11.95	\$0.00	\$56.66
4	80	\$37.67	\$11.75	\$12.70	\$0.00	\$62.12

**Notes:**

Steps are 1 year

**Apprentice to Journeyworker Ratio:1:4**

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i>	09/16/2016	\$44.05	\$7.80	\$20.85	\$0.00	\$72.70
	03/16/2017	\$44.65	\$7.80	\$20.85	\$0.00	\$73.30

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - IRONWORKER - Local 7 Boston**

**Effective Date - 09/16/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$26.43	\$7.80	\$20.85	\$0.00	\$55.08
2	70	\$30.84	\$7.80	\$20.85	\$0.00	\$59.49
3	75	\$33.04	\$7.80	\$20.85	\$0.00	\$61.69
4	80	\$35.24	\$7.80	\$20.85	\$0.00	\$63.89
5	85	\$37.44	\$7.80	\$20.85	\$0.00	\$66.09
6	90	\$39.65	\$7.80	\$20.85	\$0.00	\$68.30

**Effective Date - 03/16/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$26.79	\$7.80	\$20.85	\$0.00	\$55.44
2	70	\$31.26	\$7.80	\$20.85	\$0.00	\$59.91
3	75	\$33.49	\$7.80	\$20.85	\$0.00	\$62.14
4	80	\$35.72	\$7.80	\$20.85	\$0.00	\$64.37
5	85	\$37.95	\$7.80	\$20.85	\$0.00	\$66.60
6	90	\$40.19	\$7.80	\$20.85	\$0.00	\$68.84

**Notes:**

\*\* Structural 1:6; Ornamental 1:4

**Apprentice to Journeyworker Ratio:\*\***

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
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For apprentice rates see "Apprentice-LABORER"

LABORER LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
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**Apprentice - LABORER - Zone 2**

**Effective Date - 12/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.44	\$7.45	\$12.65	\$0.00	\$39.54
2	70	\$22.68	\$7.45	\$12.65	\$0.00	\$42.78
3	80	\$25.92	\$7.45	\$12.65	\$0.00	\$46.02
4	90	\$29.16	\$7.45	\$12.65	\$0.00	\$49.26

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

LABORER: CARPENTER TENDER LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
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For apprentice rates see "Apprentice-LABORER"

LABORER: CEMENT FINISHER TENDER LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS - ZONE 2	12/01/2015	\$31.35	\$7.45	\$12.60	\$0.00	\$51.40
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER LABORERS - ZONE 2	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR LABORERS - ZONE 2	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
MARBLE & TILE FINISHERS BRICKLAYERS LOCAL 3 - MARBLE & TILE	08/01/2016	\$38.78	\$10.18	\$17.78	\$0.00	\$66.74
	02/01/2017	\$39.24	\$10.18	\$17.78	\$0.00	\$67.20

**Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile**

**Effective Date - 08/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.39	\$10.18	\$17.78	\$0.00	\$47.35
2	60	\$23.27	\$10.18	\$17.78	\$0.00	\$51.23
3	70	\$27.15	\$10.18	\$17.78	\$0.00	\$55.11
4	80	\$31.02	\$10.18	\$17.78	\$0.00	\$58.98
5	90	\$34.90	\$10.18	\$17.78	\$0.00	\$62.86

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.62	\$10.18	\$17.78	\$0.00	\$47.58
2	60	\$23.54	\$10.18	\$17.78	\$0.00	\$51.50
3	70	\$27.47	\$10.18	\$17.78	\$0.00	\$55.43
4	80	\$31.39	\$10.18	\$17.78	\$0.00	\$59.35
5	90	\$35.32	\$10.18	\$17.78	\$0.00	\$63.28

**Notes:**

**Apprentice to Journeyworker Ratio:1:3**

MARBLE MASONS, TILELAYERS & TERRAZZO MECH BRICKLAYERS LOCAL 3 - MARBLE & TILE	08/01/2016	\$50.80	\$10.18	\$19.22	\$0.00	\$80.20
	02/01/2017	\$51.37	\$10.18	\$19.22	\$0.00	\$80.77

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile**

**Effective Date - 08/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.40	\$10.18	\$19.22	\$0.00	\$54.80
2	60	\$30.48	\$10.18	\$19.22	\$0.00	\$59.88
3	70	\$35.56	\$10.18	\$19.22	\$0.00	\$64.96
4	80	\$40.64	\$10.18	\$19.22	\$0.00	\$70.04
5	90	\$45.72	\$10.18	\$19.22	\$0.00	\$75.12

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.69	\$10.18	\$19.22	\$0.00	\$55.09
2	60	\$30.82	\$10.18	\$19.22	\$0.00	\$60.22
3	70	\$35.96	\$10.18	\$19.22	\$0.00	\$65.36
4	80	\$41.10	\$10.18	\$19.22	\$0.00	\$70.50
5	90	\$46.23	\$10.18	\$19.22	\$0.00	\$75.63

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 1) <i>MILLWRIGHTS LOCAL 1121 - Zone 1</i>	04/01/2015	\$37.64	\$9.80	\$16.21	\$0.00	\$63.65
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**Apprentice - MILLWRIGHT - Local 1121 Zone 1**

**Effective Date - 04/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$20.70	\$9.80	\$4.48	\$0.00	\$34.98
2	65	\$24.47	\$9.80	\$13.36	\$0.00	\$47.63
3	75	\$28.23	\$9.80	\$14.18	\$0.00	\$52.21
4	85	\$31.99	\$9.80	\$14.99	\$0.00	\$56.78

**Notes:**

Steps are 2,000 hours

**Apprentice to Journeyworker Ratio:1:5**

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MORTAR MIXER <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
OILER (OTHER THAN TRUCK CRANES,GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$22.96	\$10.00	\$15.25	\$0.00	\$48.21
	06/01/2017	\$23.47	\$10.00	\$15.25	\$0.00	\$48.72
	12/01/2017	\$23.99	\$10.00	\$15.25	\$0.00	\$49.24
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OILER (TRUCK CRANES, GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$26.94	\$10.00	\$15.25	\$0.00	\$52.19
	06/01/2017	\$27.54	\$10.00	\$15.25	\$0.00	\$52.79
	12/01/2017	\$28.15	\$10.00	\$15.25	\$0.00	\$53.40
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.23	\$7.85	\$0.00	\$0.00	\$33.08
2	55	\$27.75	\$7.85	\$3.66	\$0.00	\$39.26
3	60	\$30.28	\$7.85	\$3.99	\$0.00	\$42.12
4	65	\$32.80	\$7.85	\$4.32	\$0.00	\$44.97
5	70	\$35.32	\$7.85	\$14.11	\$0.00	\$57.28
6	75	\$37.85	\$7.85	\$14.44	\$0.00	\$60.14
7	80	\$40.37	\$7.85	\$14.77	\$0.00	\$62.99
8	90	\$45.41	\$7.85	\$15.44	\$0.00	\$68.70

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.71	\$7.85	\$0.00	\$0.00	\$33.56
2	55	\$28.28	\$7.85	\$3.66	\$0.00	\$39.79
3	60	\$30.85	\$7.85	\$3.99	\$0.00	\$42.69
4	65	\$33.42	\$7.85	\$4.32	\$0.00	\$45.59
5	70	\$35.99	\$7.85	\$14.11	\$0.00	\$57.95
6	75	\$38.56	\$7.85	\$14.44	\$0.00	\$60.85
7	80	\$41.13	\$7.85	\$14.77	\$0.00	\$63.75
8	90	\$46.27	\$7.85	\$15.44	\$0.00	\$69.56

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PAINTER (SPRAY OR SANDBLAST, NEW) *	07/01/2016	\$41.36	\$7.85	\$16.10	\$0.00	\$65.31
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2017	\$42.31	\$7.85	\$16.10	\$0.00	\$66.26

**Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.68	\$7.85	\$0.00	\$0.00	\$28.53
2	55	\$22.75	\$7.85	\$3.66	\$0.00	\$34.26
3	60	\$24.82	\$7.85	\$3.99	\$0.00	\$36.66
4	65	\$26.88	\$7.85	\$4.32	\$0.00	\$39.05
5	70	\$28.95	\$7.85	\$14.11	\$0.00	\$50.91
6	75	\$31.02	\$7.85	\$14.44	\$0.00	\$53.31
7	80	\$33.09	\$7.85	\$14.77	\$0.00	\$55.71
8	90	\$37.22	\$7.85	\$15.44	\$0.00	\$60.51

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.16	\$7.85	\$0.00	\$0.00	\$29.01
2	55	\$23.27	\$7.85	\$3.66	\$0.00	\$34.78
3	60	\$25.39	\$7.85	\$3.99	\$0.00	\$37.23
4	65	\$27.50	\$7.85	\$4.32	\$0.00	\$39.67
5	70	\$29.62	\$7.85	\$14.11	\$0.00	\$51.58
6	75	\$31.73	\$7.85	\$14.44	\$0.00	\$54.02
7	80	\$33.85	\$7.85	\$14.77	\$0.00	\$56.47
8	90	\$38.08	\$7.85	\$15.44	\$0.00	\$61.37

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (SPRAY OR SANDBLAST, REPAINT)	07/01/2016	\$39.42	\$7.85	\$16.10	\$0.00	\$63.37
<i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2017	\$40.37	\$7.85	\$16.10	\$0.00	\$64.32

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.71	\$7.85	\$0.00	\$0.00	\$27.56
2	55	\$21.68	\$7.85	\$3.66	\$0.00	\$33.19
3	60	\$23.65	\$7.85	\$3.99	\$0.00	\$35.49
4	65	\$25.62	\$7.85	\$4.32	\$0.00	\$37.79
5	70	\$27.59	\$7.85	\$14.11	\$0.00	\$49.55
6	75	\$29.57	\$7.85	\$14.44	\$0.00	\$51.86
7	80	\$31.54	\$7.85	\$14.77	\$0.00	\$54.16
8	90	\$35.48	\$7.85	\$15.44	\$0.00	\$58.77

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.19	\$7.85	\$0.00	\$0.00	\$28.04
2	55	\$22.20	\$7.85	\$3.66	\$0.00	\$33.71
3	60	\$24.22	\$7.85	\$3.99	\$0.00	\$36.06
4	65	\$26.24	\$7.85	\$4.32	\$0.00	\$38.41
5	70	\$28.26	\$7.85	\$14.11	\$0.00	\$50.22
6	75	\$30.28	\$7.85	\$14.44	\$0.00	\$52.57
7	80	\$32.30	\$7.85	\$14.77	\$0.00	\$54.92
8	90	\$36.33	\$7.85	\$15.44	\$0.00	\$59.62

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 2	12/01/2016	\$32.40	\$7.45	\$12.65	\$0.00	\$52.50
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For Apprentice rates see "Apprentice- LABORER"

PAINTER / TAPER (BRUSH, NEW) *	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86



**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.98	\$7.85	\$0.00	\$0.00	\$27.83
2	55	\$21.98	\$7.85	\$3.66	\$0.00	\$33.49
3	60	\$23.98	\$7.85	\$3.99	\$0.00	\$35.82
4	65	\$25.97	\$7.85	\$4.32	\$0.00	\$38.14
5	70	\$27.97	\$7.85	\$14.11	\$0.00	\$49.93
6	75	\$29.97	\$7.85	\$14.44	\$0.00	\$52.26
7	80	\$31.97	\$7.85	\$14.77	\$0.00	\$54.59
8	90	\$35.96	\$7.85	\$15.44	\$0.00	\$59.25

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.46	\$7.85	\$0.00	\$0.00	\$28.31
2	55	\$22.50	\$7.85	\$3.66	\$0.00	\$34.01
3	60	\$24.55	\$7.85	\$3.99	\$0.00	\$36.39
4	65	\$26.59	\$7.85	\$4.32	\$0.00	\$38.76
5	70	\$28.64	\$7.85	\$14.11	\$0.00	\$50.60
6	75	\$30.68	\$7.85	\$14.44	\$0.00	\$52.97
7	80	\$32.73	\$7.85	\$14.77	\$0.00	\$55.35
8	90	\$36.82	\$7.85	\$15.44	\$0.00	\$60.11

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER / TAPER (BRUSH, REPAINT)	07/01/2016	\$38.02	\$7.85	\$16.10	\$0.00	\$61.97
PAINTERS LOCAL 35 - ZONE 2	01/01/2017	\$38.97	\$7.85	\$16.10	\$0.00	\$62.92

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT**

**Effective Date - 07/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.01	\$7.85	\$0.00	\$0.00	\$26.86
2	55	\$20.91	\$7.85	\$3.66	\$0.00	\$32.42
3	60	\$22.81	\$7.85	\$3.99	\$0.00	\$34.65
4	65	\$24.71	\$7.85	\$4.32	\$0.00	\$36.88
5	70	\$26.61	\$7.85	\$14.11	\$0.00	\$48.57
6	75	\$28.52	\$7.85	\$14.44	\$0.00	\$50.81
7	80	\$30.42	\$7.85	\$14.77	\$0.00	\$53.04
8	90	\$34.22	\$7.85	\$15.44	\$0.00	\$57.51

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.49	\$7.85	\$0.00	\$0.00	\$27.34
2	55	\$21.43	\$7.85	\$3.66	\$0.00	\$32.94
3	60	\$23.38	\$7.85	\$3.99	\$0.00	\$35.22
4	65	\$25.33	\$7.85	\$4.32	\$0.00	\$37.50
5	70	\$27.28	\$7.85	\$14.11	\$0.00	\$49.24
6	75	\$29.23	\$7.85	\$14.44	\$0.00	\$51.52
7	80	\$31.18	\$7.85	\$14.77	\$0.00	\$53.80
8	90	\$35.07	\$7.85	\$15.44	\$0.00	\$58.36

**Notes:**  
Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> For apprentice rates see "Apprentice- PILE DRIVER"	08/01/2015	\$42.04	\$9.80	\$19.23	\$0.00	\$71.07
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2015	\$42.04	\$9.80	\$19.23	\$0.00	\$71.07

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PILE DRIVER - Local 56 Zone 1**

**Effective Date - 08/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.02	\$9.80	\$19.23	\$0.00	\$50.05
2	60	\$25.22	\$9.80	\$19.23	\$0.00	\$54.25
3	70	\$29.43	\$9.80	\$19.23	\$0.00	\$58.46
4	75	\$31.53	\$9.80	\$19.23	\$0.00	\$60.56
5	80	\$33.63	\$9.80	\$19.23	\$0.00	\$62.66
6	80	\$33.63	\$9.80	\$19.23	\$0.00	\$62.66
7	90	\$37.84	\$9.80	\$19.23	\$0.00	\$66.87
8	90	\$37.84	\$9.80	\$19.23	\$0.00	\$66.87

**Notes:**

**Apprentice to Journeyworker Ratio:1:3**

<b>PIPEFITTER &amp; STEAMFITTER</b>	09/01/2016	\$47.86	\$9.70	\$16.14	\$0.00	\$73.70
<i>PIPEFITTERS LOCAL 537 (Local 138)</i>	03/01/2017	\$48.86	\$9.70	\$16.14	\$0.00	\$74.70

**Apprentice - PIPEFITTER Local 537 (Local 138)**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.14	\$9.70	\$5.50	\$0.00	\$34.34
2	45	\$21.54	\$9.70	\$16.14	\$0.00	\$47.38
3	60	\$28.72	\$9.70	\$16.14	\$0.00	\$54.56
4	70	\$33.50	\$9.70	\$16.14	\$0.00	\$59.34
5	80	\$38.29	\$9.70	\$16.14	\$0.00	\$64.13

**Effective Date - 03/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.54	\$9.70	\$5.50	\$0.00	\$34.74
2	45	\$21.99	\$9.70	\$16.14	\$0.00	\$47.83
3	60	\$29.32	\$9.70	\$16.14	\$0.00	\$55.16
4	70	\$34.20	\$9.70	\$16.14	\$0.00	\$60.04
5	80	\$39.09	\$9.70	\$16.14	\$0.00	\$64.93

**Notes:**

\*\* 1:3; 3:15; 1:10 thereafter / Steps are 1 yr.  
Refrig/AC Mechanic \*\*1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)

**Apprentice to Journeyworker Ratio:\*\***

<b>PIPELAYER</b>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
<i>LABORERS - ZONE 2</i>						

For apprentice rates see "Apprentice- LABORER"

<b>PLUMBER</b>	09/01/2016	\$47.61	\$11.32	\$15.46	\$0.00	\$74.39
<i>PLUMBERS &amp; GASFITTERS LOCAL 12 (Local 138)</i>	03/01/2017	\$48.61	\$11.32	\$15.46	\$0.00	\$75.39

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - PLUMBER/GASFITTER - Local 12 (Local 138)**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$16.66	\$11.32	\$5.74	\$0.00	\$33.72
2	40	\$19.04	\$11.32	\$6.49	\$0.00	\$36.85
3	55	\$26.19	\$11.32	\$8.73	\$0.00	\$46.24
4	65	\$30.95	\$11.32	\$10.23	\$0.00	\$52.50
5	75	\$35.71	\$11.32	\$11.72	\$0.00	\$58.75

**Effective Date - 03/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.01	\$11.32	\$5.74	\$0.00	\$34.07
2	40	\$19.44	\$11.32	\$6.49	\$0.00	\$37.25
3	55	\$26.74	\$11.32	\$8.73	\$0.00	\$46.79
4	65	\$31.60	\$11.32	\$10.23	\$0.00	\$53.15
5	75	\$36.46	\$11.32	\$11.72	\$0.00	\$59.50

**Notes:**

Steps are 1 yr  
Step 4 with lic\$55.65 Step5 with lic\$61.89

**Apprentice to Journeyworker Ratio:1:5**

PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	09/01/2016	\$47.86	\$9.70	\$16.14	\$0.00	\$73.70
	03/01/2017	\$48.86	\$9.70	\$16.14	\$0.00	\$74.70
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i>	12/01/2016	\$33.40	\$7.45	\$12.65	\$0.00	\$53.50
For apprentice rates see "Apprentice- LABORER"						
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$31.17	\$10.00	\$15.25	\$0.00	\$56.42
	06/01/2017	\$31.86	\$10.00	\$15.25	\$0.00	\$57.11
	12/01/2017	\$32.55	\$10.00	\$15.25	\$0.00	\$57.80
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

<b>Classification</b>	<b>Effective Date</b>	<b>Base Wage</b>	<b>Health</b>	<b>Pension</b>	<b>Supplemental Unemployment</b>	<b>Total Rate</b>
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 42</i>	05/01/2016	\$24.15	\$8.49	\$10.68	\$0.00	\$43.32
	04/30/2017	\$24.15	\$8.49	\$11.07	\$0.00	\$43.71
	05/01/2017	\$24.21	\$8.49	\$11.54	\$0.00	\$44.24
	04/30/2018	\$24.21	\$8.49	\$11.96	\$0.00	\$44.66
	05/01/2018	\$24.24	\$8.49	\$12.46	\$0.00	\$45.19
	04/30/2019	\$24.24	\$8.49	\$12.92	\$0.00	\$45.65
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	06/01/2016	\$25.32	\$9.80	\$16.82	\$0.00	\$51.94
RESIDENTIAL WOOD FRAME CARPENTER **	10/01/2016	\$25.69	\$7.07	\$7.18	\$0.00	\$39.94
** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement. <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	04/01/2017	\$26.31	\$7.07	\$7.18	\$0.00	\$40.56
	10/01/2017	\$26.93	\$7.07	\$7.18	\$0.00	\$41.18
	04/01/2018	\$27.35	\$7.07	\$7.18	\$0.00	\$41.60
	10/01/2018	\$27.77	\$7.07	\$7.18	\$0.00	\$42.02
	04/01/2019	\$28.20	\$7.07	\$7.18	\$0.00	\$42.45
	10/01/2019	\$28.63	\$7.07	\$7.18	\$0.00	\$42.88

As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER rate.

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - CARPENTER (Residential Wood Frame) - Zone 2**

**Effective Date - 10/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$15.41	\$7.07	\$0.00	\$0.00	\$22.48
2	60	\$15.41	\$7.07	\$0.00	\$0.00	\$22.48
3	65	\$16.70	\$7.07	\$7.18	\$0.00	\$30.95
4	70	\$17.98	\$7.07	\$7.18	\$0.00	\$32.23
5	75	\$19.27	\$7.07	\$7.18	\$0.00	\$33.52
6	80	\$20.55	\$7.07	\$7.18	\$0.00	\$34.80
7	85	\$21.84	\$7.07	\$7.18	\$0.00	\$36.09
8	90	\$23.12	\$7.07	\$7.18	\$0.00	\$37.37

**Effective Date - 04/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$15.79	\$7.07	\$0.00	\$0.00	\$22.86
2	60	\$15.79	\$7.07	\$0.00	\$0.00	\$22.86
3	65	\$17.10	\$7.07	\$7.18	\$0.00	\$31.35
4	70	\$18.42	\$7.07	\$7.18	\$0.00	\$32.67
5	75	\$19.73	\$7.07	\$7.18	\$0.00	\$33.98
6	80	\$21.05	\$7.07	\$7.18	\$0.00	\$35.30
7	85	\$22.36	\$7.07	\$7.18	\$0.00	\$36.61
8	90	\$23.68	\$7.07	\$7.18	\$0.00	\$37.93

**Notes:**

**Apprentice to Journeyworker Ratio:1:5**

RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
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For apprentice rates see "Apprentice- LABORER"

ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc.Roofing Waterproofing &Roofing Damproofing) <i>ROOFERS LOCAL 33</i>	08/01/2016	\$41.11	\$11.00	\$13.00	\$0.00	\$65.11
	02/01/2017	\$42.26	\$11.00	\$13.00	\$0.00	\$66.26
	08/01/2017	\$43.36	\$11.00	\$13.00	\$0.00	\$67.36
	02/01/2018	\$44.51	\$11.00	\$13.00	\$0.00	\$68.51
	08/01/2018	\$45.61	\$11.00	\$13.00	\$0.00	\$69.61
	02/01/2019	\$46.76	\$11.00	\$13.00	\$0.00	\$70.76

**Classification**

**Effective Date    Base Wage    Health    Pension    Supplemental Unemployment    Total Rate**

**Apprentice - ROOFER - Local 33**

**Effective Date - 08/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.56	\$11.00	\$3.44	\$0.00	\$35.00
2	60	\$24.67	\$11.00	\$13.00	\$0.00	\$48.67
3	65	\$26.72	\$11.00	\$13.00	\$0.00	\$50.72
4	75	\$30.83	\$11.00	\$13.00	\$0.00	\$54.83
5	85	\$34.94	\$11.00	\$13.00	\$0.00	\$58.94

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.13	\$11.00	\$3.44	\$0.00	\$35.57
2	60	\$25.36	\$11.00	\$13.00	\$0.00	\$49.36
3	65	\$27.47	\$11.00	\$13.00	\$0.00	\$51.47
4	75	\$31.70	\$11.00	\$13.00	\$0.00	\$55.70
5	85	\$35.92	\$11.00	\$13.00	\$0.00	\$59.92

**Notes: \*\* 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1**  
Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.

**Apprentice to Journeyworker Ratio:\*\***

ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i>	08/01/2016	\$41.36	\$11.00	\$13.00	\$0.00	\$65.36
	02/01/2017	\$42.51	\$11.00	\$13.00	\$0.00	\$66.51
	08/01/2017	\$43.61	\$11.00	\$13.00	\$0.00	\$67.61
	02/01/2018	\$44.76	\$11.00	\$13.00	\$0.00	\$68.76
	08/01/2018	\$45.86	\$11.00	\$13.00	\$0.00	\$69.86
	02/01/2019	\$47.01	\$11.00	\$13.00	\$0.00	\$71.01

For apprentice rates see "Apprentice- ROOFER"

SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	11/01/2016	\$43.40	\$10.70	\$23.07	\$2.32	\$79.49
	02/01/2017	\$44.50	\$10.70	\$23.07	\$2.32	\$80.59
	08/01/2017	\$45.60	\$10.70	\$23.07	\$2.32	\$81.69
	02/01/2018	\$46.75	\$10.70	\$23.07	\$2.32	\$82.84

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - SHEET METAL WORKER - Local 17-A**

**Effective Date - 11/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.36	\$10.70	\$5.24	\$0.00	\$33.30
2	40	\$17.36	\$10.70	\$5.24	\$0.00	\$33.30
3	45	\$19.53	\$10.70	\$10.31	\$1.22	\$41.76
4	45	\$19.53	\$10.70	\$10.31	\$1.22	\$41.76
5	50	\$21.70	\$10.70	\$11.21	\$1.31	\$44.92
6	50	\$21.70	\$10.70	\$11.46	\$1.32	\$45.18
7	60	\$26.04	\$10.70	\$13.02	\$1.49	\$51.25
8	65	\$28.21	\$10.70	\$13.93	\$1.59	\$54.43
9	75	\$32.55	\$10.70	\$15.74	\$1.77	\$60.76
10	85	\$36.89	\$10.70	\$17.05	\$1.94	\$66.58

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.80	\$10.70	\$5.24	\$0.00	\$33.74
2	40	\$17.80	\$10.70	\$5.24	\$0.00	\$33.74
3	45	\$20.03	\$10.70	\$10.31	\$1.24	\$42.28
4	45	\$20.03	\$10.70	\$10.31	\$1.24	\$42.28
5	50	\$22.25	\$10.70	\$11.21	\$1.32	\$45.48
6	50	\$22.25	\$10.70	\$11.46	\$1.33	\$45.74
7	60	\$26.70	\$10.70	\$13.02	\$1.51	\$51.93
8	65	\$28.93	\$10.70	\$13.93	\$1.61	\$55.17
9	75	\$33.38	\$10.70	\$15.74	\$1.79	\$61.61
10	85	\$37.83	\$10.70	\$17.05	\$1.97	\$67.55

**Notes:**

Steps are 6 mos.

**Apprentice to Journeyworker Ratio:1:4**

SIGN ERECTOR PAINTERS LOCAL 35 - ZONE 2	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93
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**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - SIGN ERECTOR - Local 35 Zone 2**

**Effective Date - 06/01/2013**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.91	\$7.07	\$0.00	\$0.00	\$19.98
2	55	\$14.20	\$7.07	\$2.45	\$0.00	\$23.72
3	60	\$15.49	\$7.07	\$2.45	\$0.00	\$25.01
4	65	\$16.78	\$7.07	\$2.45	\$0.00	\$26.30
5	70	\$18.07	\$7.07	\$7.05	\$0.00	\$32.19
6	75	\$19.36	\$7.07	\$7.05	\$0.00	\$33.48
7	80	\$20.65	\$7.07	\$7.05	\$0.00	\$34.77
8	85	\$21.94	\$7.07	\$7.05	\$0.00	\$36.06
9	90	\$23.23	\$7.07	\$7.05	\$0.00	\$37.35

**Notes:**  
Steps are 4 mos.

**Apprentice to Journeyworker Ratio:1:1**

SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.73	\$10.91	\$10.89	\$0.00	\$54.53
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section B) Zone 2</i>	10/01/2016	\$49.93	\$8.52	\$17.05	\$0.00	\$75.50
	01/01/2017	\$49.57	\$8.77	\$17.20	\$0.00	\$75.54
	03/01/2017	\$50.47	\$8.77	\$17.20	\$0.00	\$76.44

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - SPRINKLER FITTER - Local 550 (Section B) Zone 2**

**Effective Date - 10/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.48	\$8.52	\$8.55	\$0.00	\$34.55
2	40	\$19.97	\$8.52	\$8.55	\$0.00	\$37.04
3	45	\$22.47	\$8.52	\$8.55	\$0.00	\$39.54
4	50	\$24.97	\$8.52	\$8.55	\$0.00	\$42.04
5	55	\$27.46	\$8.52	\$8.55	\$0.00	\$44.53
6	60	\$29.96	\$8.52	\$10.05	\$0.00	\$48.53
7	65	\$32.45	\$8.52	\$10.05	\$0.00	\$51.02
8	70	\$34.95	\$8.52	\$10.05	\$0.00	\$53.52
9	75	\$37.45	\$8.52	\$10.05	\$0.00	\$56.02
10	80	\$39.94	\$8.52	\$10.05	\$0.00	\$58.51

**Effective Date - 01/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.35	\$8.77	\$8.70	\$0.00	\$34.82
2	40	\$19.83	\$8.77	\$8.70	\$0.00	\$37.30
3	45	\$22.31	\$8.77	\$8.70	\$0.00	\$39.78
4	50	\$24.79	\$8.77	\$8.70	\$0.00	\$42.26
5	55	\$27.26	\$8.77	\$8.70	\$0.00	\$44.73
6	60	\$29.74	\$8.77	\$10.20	\$0.00	\$48.71
7	65	\$32.22	\$8.77	\$10.20	\$0.00	\$51.19
8	70	\$34.70	\$8.77	\$10.20	\$0.00	\$53.67
9	75	\$37.18	\$8.77	\$10.20	\$0.00	\$56.15
10	80	\$39.66	\$8.77	\$10.20	\$0.00	\$58.63

**Notes:** Apprentice entered prior 9/30/10:  
40/45/50/55/60/65/70/75/80/85  
Steps are 850 hours

**Apprentice to Journeyworker Ratio:1:3**

<b>STEAM BOILER OPERATOR</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN</b> <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

<b>TELECOMMUNICATION TECHNICIAN</b> <i>ELECTRICIANS LOCAL 103</i>	09/01/2016	\$35.35	\$13.00	\$15.57	\$0.00	\$63.92
	03/01/2017	\$36.25	\$13.00	\$15.60	\$0.00	\$64.85
	09/01/2017	\$36.96	\$13.00	\$15.62	\$0.00	\$65.58
	03/01/2018	\$37.86	\$13.00	\$15.65	\$0.00	\$66.51
	09/01/2018	\$38.75	\$13.00	\$15.67	\$0.00	\$67.42
	03/01/2019	\$39.65	\$13.00	\$15.70	\$0.00	\$68.35

**Classification**

**Effective Date   Base Wage   Health   Pension   Supplemental Unemployment   Total Rate**

**Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103**

**Effective Date - 09/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.14	\$13.00	\$0.42	\$0.00	\$27.56
2	40	\$14.14	\$13.00	\$0.42	\$0.00	\$27.56
3	45	\$15.91	\$13.00	\$11.53	\$0.00	\$40.44
4	45	\$15.91	\$13.00	\$11.53	\$0.00	\$40.44
5	50	\$17.68	\$13.00	\$11.80	\$0.00	\$42.48
6	55	\$19.44	\$13.00	\$12.07	\$0.00	\$44.51
7	60	\$21.21	\$13.00	\$12.36	\$0.00	\$46.57
8	65	\$22.98	\$13.00	\$12.63	\$0.00	\$48.61
9	70	\$24.75	\$13.00	\$13.91	\$0.00	\$51.66
10	75	\$26.51	\$13.00	\$14.19	\$0.00	\$53.70

**Effective Date - 03/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$14.50	\$13.00	\$0.44	\$0.00	\$27.94
2	40	\$14.50	\$13.00	\$0.44	\$0.00	\$27.94
3	45	\$16.31	\$13.00	\$12.54	\$0.00	\$41.85
4	45	\$16.31	\$13.00	\$12.54	\$0.00	\$41.85
5	50	\$18.13	\$13.00	\$12.81	\$0.00	\$43.94
6	55	\$19.94	\$13.00	\$13.09	\$0.00	\$46.03
7	60	\$21.75	\$13.00	\$13.37	\$0.00	\$48.12
8	65	\$23.56	\$13.00	\$13.65	\$0.00	\$50.21
9	70	\$25.38	\$13.00	\$13.93	\$0.00	\$52.31
10	75	\$27.19	\$13.00	\$14.21	\$0.00	\$54.40

**Notes:**

**Apprentice to Journeyworker Ratio:1:1**

TERRAZZO FINISHERS	08/01/2016	\$49.70	\$10.18	\$19.22	\$0.00	\$79.10
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2017	\$50.27	\$10.18	\$19.22	\$0.00	\$79.67

**Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile**

**Effective Date - 08/01/2016**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.85	\$10.18	\$19.22	\$0.00	\$54.25
2	60	\$29.82	\$10.18	\$19.22	\$0.00	\$59.22
3	70	\$34.79	\$10.18	\$19.22	\$0.00	\$64.19
4	80	\$39.76	\$10.18	\$19.22	\$0.00	\$69.16
5	90	\$44.73	\$10.18	\$19.22	\$0.00	\$74.13

**Effective Date - 02/01/2017**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.14	\$10.18	\$19.22	\$0.00	\$54.54
2	60	\$30.16	\$10.18	\$19.22	\$0.00	\$59.56
3	70	\$35.19	\$10.18	\$19.22	\$0.00	\$64.59
4	80	\$40.22	\$10.18	\$19.22	\$0.00	\$69.62
5	90	\$45.24	\$10.18	\$19.22	\$0.00	\$74.64

**Notes:**

**Apprentice to Journeyworker Ratio:1:3**

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$38.20	\$7.45	\$14.00	\$0.00	\$59.65
For apprentice rates see "Apprentice- LABORER"						
TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$36.92	\$7.45	\$14.00	\$0.00	\$58.37
For apprentice rates see "Apprentice- LABORER"						
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2016	\$36.80	\$7.45	\$14.00	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$44.94	\$10.00	\$15.25	\$0.00	\$70.19
	06/01/2017	\$45.93	\$10.00	\$15.25	\$0.00	\$71.18
	12/01/2017	\$46.92	\$10.00	\$15.25	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2016	\$49.08	\$7.45	\$14.40	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2016	\$51.08	\$7.45	\$14.40	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2016	\$41.15	\$7.45	\$14.40	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2016	\$43.15	\$7.45	\$14.40	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2016	\$32.65	\$7.45	\$12.65	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2016	\$45.38	\$10.00	\$15.25	\$0.00	\$70.63
	06/01/2017	\$46.38	\$10.00	\$15.25	\$0.00	\$71.63
	12/01/2017	\$47.38	\$10.00	\$15.25	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS &amp; GASFITTERS LOCAL 12 (Local 138)</i>	09/01/2016	\$47.61	\$11.32	\$15.46	\$0.00	\$74.39
	03/01/2017	\$48.61	\$11.32	\$15.46	\$0.00	\$75.39
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						

Additional Apprentice Information:

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, ss. 11E-11L.

All steps are six months (1000 hours.)

Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

\*\* Multiple ratios are listed in the comment field.

\*\*\* APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.

\*\*\*\* APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.

## WEEKLY PAYROLL RECORDS REPORT & STATEMENT OF COMPLIANCE

In accordance with Massachusetts General Law c. 149, §27B, a true and accurate record must be kept of all persons employed on the public works project for which the enclosed rates have been provided. A Payroll Form is available from the Department of Labor Standards (DLS) at [www.mass.gov/dols/pw](http://www.mass.gov/dols/pw) and includes all the information required to be kept by law. Every contractor or subcontractor is required to keep these records and preserve them for a period of three years from the date of completion of the contract.

On a weekly basis, every contractor and subcontractor is required to submit a certified copy of their weekly payroll records to the awarding authority; this includes the payroll forms and the Statement of Compliance form. The certified payroll records must be submitted either by regular mail or by e-mail to the awarding authority. Once collected, the awarding authority is required to preserve those records for three years from the date of completion of the project.

Each such contractor and subcontractor shall furnish weekly **and** within 15 days after completion of its portion of the work, to the awarding authority directly by first-class mail or e-mail, a statement, executed by the contractor, subcontractor or by any authorized officer thereof who supervised the payment of wages, this form, accompanied by their payroll:

### STATEMENT OF COMPLIANCE

\_\_\_\_\_, 20\_\_\_\_

I, \_\_\_\_\_,  
(Name of signatory party) (Title)

do hereby state:

That I pay or supervise the payment of the persons employed by

\_\_\_\_\_ on the \_\_\_\_\_  
(Contractor, subcontractor or public body) (Building or project)

and that all mechanics and apprentices, teamsters, chauffeurs and laborers employed on said project have been paid in accordance with wages determined under the provisions of sections twenty-six and twenty-seven of chapter one hundred and forty nine of the General Laws.

Signature \_\_\_\_\_  
Title \_\_\_\_\_

**MASSACHUSETTS WEEKLY CERTIFIED PAYROLL REPORT FORM**



Company's Name:		Address:		Phone No.:		Payroll No.:												
Employer's Signature:		Title:		Contract No.:		Tax Payer ID Number		Work Week Ending:										
Awarding Authority's Name:		Public Works Project Name:		Public Works Project Location:		Min. Wage Rate Sheet Number												
General / Prime Contractor's Name:		Subcontractor's Name:		"Employer" Hourly Fringe Benefit Contributions														
										(B+C+D+E) (A x F)								
Employee Name & Complete Address	Work Classification:	Employee is OSHA 10 certified (?)	Appr. Rate (%)	Hours Worked							Project Hours (A) All Other Hours	Hourly Base Wage (B)	Health & Welfare Insurance (C)	ERISA Pension Plan (D)	Supp. Unemp. (E)	Total Hourly Prev. Wage (F)	Project Gross Wages	Check No. (H)
				Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.								

Are all apprentice employees identified above currently registered with the MA DLS's Division of Apprentice Standards? YES  NO

For all apprentices performing work during the reporting period, attach a copy of the apprentice identification card issued by the Massachusetts Department of Labor Standards / Division of Apprentice Standards. No apprentices are identified above

**NOTE:** Pursuant to MGL c. 149, s. 27B, every contractor and subcontractor is required to submit a true and accurate copy of their certified weekly payroll records to the awarding authority by first-class mail or e-mail. In addition, each weekly payroll must be accompanied by a statement of compliance signed by the employer. Failure to comply may result in the commencement of a criminal action or the issuance of a civil citation.

Date Received by Awarding Authority
/ /