

VILLAGE OF CROTON-ON-HUDSON
1 VAN WYCK STREET
CROTON-ON-HUDSON, NY 10520
(914) 271-4781

SPECIFICATIONS

**FOR
FARRINGTON ROAD & HUNTER PLACE
WATER & SEWER INFRASTRUCTURE IMPROVEMENTS**

BID # 01-2016

MAYOR

DR. GREG SCHMIDT

BOARD OF TRUSTEES

BOB ANDERSON
ANN GALLELLI
BRIAN PUGH
KEN WALSH

VILLAGE MANAGER

JANINE M. KING

VILLAGE CLERK

PAULA DISANTO

BID OPENING DATE: THURSDAY, JANUARY 28, 2016 @ 10:00 AM

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VILLAGE OF CROTON-ON-HUDSON, NEW YORK

A. INVITATION TO BID

BID NO. 01-2016

The Village of Croton-on-Hudson, NY is accepting sealed bids for the **Water and Sewer Infrastructure Improvements located on Farrington Road and Hunter Place** in the Village of Croton-on-Hudson. Bids will be accepted by the Village Manager in the Main Office, Second floor, Municipal Building, 1 Van Wyck Street, Croton-on-Hudson, NY until **10:00 AM on Thursday, January 28, 2016** at which time and place they will be publicly opened and read aloud. **All prospective bidders shall attend a mandatory pre-bid meeting at the Village Municipal Building on Tuesday, January 19, 2016 at 10:00am.**

The water and sewer infrastructure improvements are comprised of one (1) contract. The scope of the work shall include but not necessarily be limited to: replacement of the existing water and sewer mains located on Farrington Road and Hunter Place.

Detailed plans and specifications (i.e. Construction Contract Documents) for said bid may be obtained electronically (i.e. PDF) via the Village of Croton-on-Hudson website. Electronic copies of the Bid Documents will be available for download on or after **January 4, 2016**. There is no form of pay required. PDF files of the Construction Contract Documents will be posted to the Village website at the following address:

http://www.crotononhudsonny.gov/public_documents/crotonhudsonny_webdocs/bids/bids

Please click the link for "Farrington & Hunter Water & Sewer Improvements" (**VOCO Bid No. 01-2016**).

Bidders must print, bind and submit the entire bid specification document. The Village of Croton on Hudson reserves the right to reject any bids not submitted as specified.

Bids must be accompanied by a bid bond, or certified check in an amount equal to five percent (5%) of the total amount of the bid as a guarantee that in the event the contract is awarded to the bidder, he will execute such contract and furnish a satisfactory Performance Bond and a Labor and Materials Bond.

The successful bidder will be required to start work within thirty (30) days of notice to proceed and to maintain in force during the performance of work policies of Workman Compensation Insurance covering the operation of the contractor and the use of all motor vehicles, equipment employed by the contractor.

The Village of Croton-on-Hudson reserves the right to reject any and all bids, to waive any informalities or to accept the bid which in its judgment will be in the best interests of the Village of Croton-on-Hudson. Non-Collusive Bidding Certification must be attached to the bid.

Paula Di Santo
Village Clerk

Date: January 7, 2016
Water and Sewer Infrastructure Bid #01-2016

B. INSTRUCTIONS TO BIDDERS

1. HEADINGS

- A. The headings used throughout the Contract Documents are intended for convenience of reference only and shall not be considered as having any bearing on their interpretation.

2. INTERPRETATION OF TERMS

- A. Whenever the words "Contract Documents" are used, they shall mean the Contract executed by the Village of Croton-on-Hudson and the Contractor, the Instructions to Bidders, the Proposal, the General Terms and Conditions, Plans, Specifications, all addenda, the Performance Bond, the Labor and Materials Bond, and all supplemental agreements made or to be made.
- B. The words "Municipality" and/or "Village or Owner" as used in the Contract Documents, or in discussions concerning or pertaining to the work as a whole, shall mean the Village of Croton-on-Hudson, New York.
- C. Whenever the words "Governing Body" are used in the Contract Documents, they shall mean the Mayor and the Board of Trustees of the Village of Croton-on-Hudson, New York.
- D. Whenever the word "Engineer" is used in reference to the work or any part thereof, or in the Contract Documents, it shall mean the Project Engineer of the Village of Croton-on-Hudson, NY duly authorized to represent said municipality in the execution of the work covered by the Contract Documents. The term "Engineer" shall also mean the assistants engaged by the Engineer to the extent of the particular duties entrusted to them.
- E. Whenever the word "Inspector" is used in the Contract Documents, it shall mean such person or persons engaged by the Village of Croton-on-Hudson, NY to make inspections of the work performed and materials furnished by the Contractor.
- F. Wherever the word "Bidder" is used in the Contract Documents, it shall mean any individual, partnership, firm or corporation submitting a proposal for the work contemplated.
- G. Whenever the word "Contractor" is used, it shall mean the person or persons, co-partnership, or corporation contracting to perform the work to be done under the Contract Documents, or the legal representative of such party or parties.
- H. Whenever the word "Surety" is used in the Contract Documents, it shall mean the corporate body which is surety on the Contractor's bond for the payment of all debts for material and labor used or employed in the execution of the Contract, and for the acceptable performance of the work.

- I. Whenever the words "Village Attorney" are used, they shall mean the Village Attorney of the Village of Croton-on-Hudson, New York.
- J. Whenever the words "Proposal" and/or "Bid" are used in the Contract Documents, they shall mean the proposal submitted by the Bidder.
- K. Whenever, the words "Plans" or "Drawings" are used in the Contract Documents, it shall mean the drawings or reproductions of drawings pertaining to the work to be performed or to any structure connected therewith.
- L. Whenever the word "Specifications" is used in the Contract Documents, it shall mean the description, directions, provisions and requirements contained in the Contract Documents, together with all written agreements made or to be made pertaining to the method and manner for performing the work or to the quantities and qualities of materials to be furnished under the Contract.
- M. Whenever the word "Addendum" is used in the Contract Documents, it shall mean any written interpretation, clarification, amendment or addition issued by the Village Engineer, to the Plans or Specifications.
- N. Whenever the word "Project" is used, it shall mean the entire work to be executed under the Contract.
- O. Whenever the word "Contract" is used, in the Contract Documents, it shall mean the contract covering the performance of the work and the furnishing of materials required therefor as evidenced by the Contract Documents.
- P. Whenever "A.S.T.M." is used in the Contract Documents, it shall mean the American Society for Testing Materials.
- Q. Whenever the words "as directed," "as prescribed," or words of like import are used in the specifications or upon the drawings, they shall mean that the "direction," "requirement," "permission," "order," "designation," or "prescription" of the Engineer is understood. Similarly, the words "approved," "acceptable," "satisfactory," or words of like import shall mean approved by, or acceptable to, or satisfactory to, the Engineer.

3. RECEIPT OF PROPOSALS

- A. Proposals will be received by the Village Manager in his office in the Municipal Building, Van Wyck Street, Croton-on-Hudson, NY 10520 at the time designated in the Invitation to Bid, after which time they will be publicly opened and read aloud.

4. PREPARATION OF PROPOSAL

- A. The proposal forms for the contract are included in the bid specifications, posted on the Village website, and the bidder is required to use the forms and **submit the entire volume intact to the Village Manager**. All blank spaces must be filled in as noted in ink. They must give prices both in

words and in figures, with amounts extended and totaled where required. No changes shall be made in the forms or in the items mentioned therein. Erasures and other changes in the bid must be explained or noted over the initials of the bidder. In the event of any discrepancy between the written amounts and the figures, the written amounts will govern.

- B. The bidder shall sign his proposal in the blank space provided for this purpose. If the proposal is made by a partnership or corporation, the name and address of the partnership or corporation shall be provided, together with the names and addresses of the partners or officers. If the proposal is made by a partnership, it must be acknowledged by one of the partners; if made by a corporation, by one of the officers.
- C. Bidders shall furnish with their proposals:
 - 1. Schedule for Construction Values of Selected Items
 - 2. Certificate of Experience - A record of the work performed during the last 5 years, name of owner, amount of contract, and name and address of engineer in charge.
 - 3. Certificate of Equipment - A list of the plant and equipment available to the Bidder to properly and expeditiously perform the work.
 - 4. Bid Bond or certified check.
 - 5. Certificate of Surety.
 - 6. Certificate of Insurance
 - 7. Statement of Compliance with Bidding Requirements.
 - 8. Affirmative Action Plan - For Westchester County Community Development Block Grant Projects.
 - 9. Section 3 Compliance Certification
 - 10. All Supplemental Forms and Certifications - Required to be signed by Contractor and Subcontractors as part of a project being funded by a grant from the Federal Community Development Block Grant Program administered by Westchester County.
- D. The information required in Paragraph C above shall be furnished on the forms included in the bound specifications. Exceptions are the Bid Bond, if furnished, and the Certificate of Surety which shall conform to the specimens included in the bound specifications.

5. BID SECURITY

- A. Each Bid must be accompanied by a certified check or bid bond in an amount equal to five percent (5%) of the total amount of the bid as a guarantee that in the event the contract is awarded to the bidder, he will execute such contract and furnish a satisfactory Performance Bond and a Labor and Materials Bond. The Bid Bond, if furnished, shall be in the form of the specimen hereto annexed.

6. CERTIFICATE OF SURETY

- A. The bidder is required to furnish a Certificate of Surety with his proposal in conformity with the specimen copy included in the bound volume of specifications evidencing that he can obtain the required Performance Bond and Labor and Materials Bond in the event that he is awarded the Contract.

7. SUBMISSION OF PROPOSALS

- A. Proposals must be submitted no later than the time specified in the Invitation (Advertisement), unless the time for the opening of proposals has been postponed.
- B. Proposals, when submitted, must be enclosed in a sealed envelope, and the envelope must have written on it, plainly legible, the name and address of the bidder and the contract to which it refers. This envelope shall then be placed in an outer envelope which shall be securely sealed and addressed to the Village Manager, Municipal Building, 1 Van Wyck Street, Croton-on-Hudson, NY 10520; envelope shall bear the name and address of the bidder and the name of the contract to which the proposal refers. Bidders may submit their proposals by registered mail provided that these requirements are properly met, and the proposal is received by the Village Manager before the time for the opening of proposals.

8. OPENING OF PROPOSALS

- A. The time scheduled for receipt of proposals shall be in accordance with the Invitation to Bid, and the opening of proposals shall take place as soon thereafter as is feasible.

9. WITHDRAWAL OF PROPOSALS

- A. Any proposal may be withdrawn by the bidder prior to the time scheduled for receipt of bids or authorized postponement thereof, provided the bidder's request is for withdrawal is delivered to the Village Manager before the proposals are opened. No bidder may withdraw his proposal after the actual opening thereof. A proposal that has been withdrawn will be returned to the bidder unopened at the time of the opening of the other proposals.

10. RETURN OF BID SECURITY

- A. Bid Bonds or money in lieu thereof will be returned to all except the three apparently lowest formal bidders within seven days after the formal opening of the bids, and the remaining security will be returned within 48 hours after the Village and the successful bidder have executed the Contract, or if the proposed contract has not then been executed, within 45 days after the date of the opening of the proposals.

11. BASIS OF AWARD

- A. Bids will be compared and the lowest responsible bidder determined on the basis of the schedule of estimated quantities or comprising all items in the contract at the unit or lump sum prices bid for these items.
- B. In the event there is a discrepancy between the unit or lump sum, prices written in words and written in figures, the prices written in words shall govern. In the event there is a discrepancy in the Extended Total of any item, the correct total shall be determined by multiplying the estimated quantity by the unit or lump sum price written in words, and the resulting total shall govern. The correct total for each item shall then be added to obtain the "Total Estimated Bid."
- C. The Contract will be awarded to that responsible bidder whose Total Estimated Bid totals the lowest number of dollars on the aforementioned basis, unless all proposals are rejected.

12. QUALIFICATIONS OF BIDDERS

- A. The Municipality may make such investigation as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish the Municipality all such information and financial data for this purpose as the Municipality may request. The Municipality reserves the right to reject any proposal if the evidence submitted by, or investigation of, such bidder fails to satisfy the Municipality that such bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein, or has previously filed to properly perform or complete any contract on time.

13. RIGHT TO REJECT PROPOSALS

- A. The Municipality reserves the right to reject any and all proposals or to accept that proposal which, in its judgment, will be in the best interests of the Municipality.

14. EQUAL BIDS

- A. When two or more bids are equal in all respects, award shall be made by lot which shall be witnessed by at least three persons and which may be attended by the bidders or their representatives.

15. ACCEPTANCE AND AWARD OF CONTRACT

- A. Within 45 days after the opening of the bids, the Municipality will accept one of the bids or will reject all proposals. Acceptance of the bid and Notice of Award will be in writing signed by an officer of the Village and mailed to the address designated on the proposals.

16. REQUIREMENTS FOR BONDS

- A. Upon execution of the contract, the Contractor shall furnish a Performance Bond and a Labor and Materials Bond, each in an amount at least equal to 100% of the bid price, as security for faithful performance of the contract and for the payment of all persons performing labor on the project under the contract and furnishing materials in connection with the contract. The bonds shall be in the form of the specimen annexed hereto. The surety on the bonds must be a corporate surety and must be listed by the United States Treasury Department, in its latest list, as a qualified surety acceptable to the United States government.

17. FAILURE TO EXECUTE CONTRACT

- A. If the successful bidder shall fail to furnish the required bonds and certificates of insurance and to execute the contract in accordance with instructions contained in the Notice of Award, he shall be deemed to have refused to enter into the contract and to have waived all claim to the work; he shall pay the Municipality all damages sustained by the Municipality as a consequence of his failure to execute the contract.

18. OBLIGATION OF BIDDER

- A. At the time of the opening of bids, each bidder will be presumed to have inspected the site of the work, to have read and to be thoroughly familiar with the Contract Documents (including all addenda). The failure or omission of any bidder to receive or examine any form, instrument, or document shall in no way relieve the bidder from any obligation in respect to his bid.
- B. Each bidder must inform himself fully of the conditions relating to the construction and labor under which the work is now being or will be performed.

19. SOIL CONDITIONS

- A. The bidder shall examine and investigate the nature, character, condition and behavior of the soil and subsoil.
- B. No representations of any kind made by anyone concerning the nature, character or condition of the soil or subsoil, or other exploration data shall be construed by the bidder as indicative of the subsurface conditions which may be encountered.

20. ESTIMATED QUANTITIES

- A. The estimated quantity of any item contained in the proposal on which the bidder submits a unit price is subject to increase or decrease depending upon conditions encountered during construction, and such change shall not give the Contractor any right to change the unit prices bid or to claim loss of anticipated profits.

21. INSURANCE

- A. The General Terms and Conditions require the Contractor to maintain in force during the performance of the work, policies of Worker's Compensation Insurance, Disability Insurance and Public Liability and Property Damage Insurance covering the operations of the Contractor and the use of all motor vehicles employed by the Contractor. Certificates evidencing the fact that the Contractor has procured the required insurance must be filed with the Municipality prior to the time of execution of the contract. Bidders shall examine the General Specifications for details of the insurance requirements.

22. WARRANTY

- A. The contractor shall guarantee all materials and workmanship for one (1) year in accordance with all conditions set forth in these Specifications. The guarantee shall be provided in the form of a Maintenance Bond in the amount equal to one hundred percent (100%) of the contract. The bond shall be prepared as specified herein and shall be posted prior to the time of final payment.

23. ERRORS, ADDENDA AND INTERPRETATIONS

- A. If a bidder finds any omissions, discrepancies, or errors in the Contract Document, or is in doubt as to the meaning of the specifications or other Contract Documents, he should notify the Engineer, who may correct, amend or clarify such documents by interpretation or addendum. If the Bidder fails to so notify the Engineer, he will be held rigidly to the Engineer's interpretation of the specifications after the Contract is executed.
- B. No interpretations of the meaning of the specifications or other Contract Documents will be made to the bidder orally. Every request for such interpretation must be in writing addressed to the Project Engineer, Municipal Building, 1 Van Wyck Street, Croton-on-Hudson, NY 10520 and, to be given consideration, must be received at least five days prior to the opening of bids.
- C. By submitting his signed proposal, the Contractor agrees to be bound by all terms and conditions of the Contract Documents and waives all rights to challenge or protest any provision or term of the Contract Documents after the time and date of bid opening.

24. EXAMINATION OF SITE

- A. Before submitting a proposal, the bidder shall examine the premises upon which the work is to be done, and shall thoroughly familiarize himself with the existing conditions and any difficulties which may present themselves in the execution of the Contract. Site visits can be scheduled by calling the Village Engineer's Department at (914) 271-4783.

25. WAGE SCHEDULE

- A. In accordance with Section 220, Subdivision 3 and 220-d of the Labor Law, wage rate schedules which are established and furnished by the NY State Dept. of Labor are the minimum rates to be paid for the various items of work on this project. Any person or corporation that willfully pays, after entering into such Contract, less than this established wage schedule shall be guilty of a misdemeanor and, upon conviction, shall be punished for such first offense by a fine of five hundred dollars (\$500) or by imprisonment for not more than thirty (30) days, or both fine and imprisonment. A second offense carries heavier penalties.
- B. Article B, Section 220 of the Labor Law, as amended by Chapter 75 of the Laws of 1956 provides, among other things, that it shall be the duty of the fiscal officer to make a determination of the schedule of wages and supplements to be paid to all laborers, workers and mechanics employed on public work projects. The amount for supplements listed on the schedule which is part of these specifications does not necessarily include all types of prevailing supplements in the locality, and a future determination of the Industrial Commission may require the Contractor to provide additional supplements.

26. STATE OR FEDERAL TAXES

- A. The contract prices for articles, materials, or equipment named herein are subject to increase by the amount of any additional tax or taxes affecting the articles, materials or equipment involved in the Contract imposed by or under the authority of the Federal or State Government and passed, or taking effect after the receipt of bids, and shall continue in effect during such time as such tax or taxes are lawfully collectible provided, however, that in the event of such increase in cost, the claim shall be presented within 30 days and supported by evidence of such additional tax satisfactory to the Attorney.

27. FEDERAL AND STATE LAWS AND REGULATIONS

- A. The bidder's attention is directed to the fact that all applicable Federal, State and Municipal laws, ordinances, rules and regulations, and codes of all authorities having jurisdiction over construction work in the locality of the project shall apply to the Contract throughout, and they are deemed to be included herein the same as though herein written.

28. INTENT OF CONTRACT DOCUMENTS

- A. The intent of the Contract Documents is to obtain a complete project in a first-class workmanlike manner, and it shall be understood that the bidder has satisfied himself as to the complete requirements of the Contract and has predicated his proposal upon such understanding.

29. CHANGES IN THE WORK

- A. The Owner may make changes in the work required to be performed by the Contractor under the Contract by making additions thereto, or by omitting work therefrom, without invalidating the Contract.
- B. Except for the purpose of affording protection against any emergency endangering life or property, the Contractor shall make no change in the materials used or in the specified manner of construction and/or installing the improvements or supply additional labor, services or materials beyond that actually required for the execution of the Contract except upon written order from the Owner, authorizing the Contractor to proceed with the change. No claim for an adjustment of the contract price will be valid unless so ordered.
- C. The Contractor agrees to perform any of the aforementioned authorized changed work, along with all other required work found under the Contract, without delay and in accordance with good construction practices.
- D. Changes authorized in writing by the Owner may be made without relieving or releasing the Contractor from any of his obligations under the Contract provisions, and without affecting the validity of the guaranty bonds and without relieving or releasing the surety or sureties of said bonds. All such work shall be executed under the terms of the original Contract unless it is provided otherwise.
- E. All adjustments to the Contract payment provisions will be made in accordance with the following paragraphs.
- F. If applicable unit prices **are** contained in the Agreement (established as a result of either a Unit Price Bid or a Supplemental Schedule of Unit Prices), the Owner may order the Contractor to proceed with desired changes in the work, and the value of such changes to be determined by the measured quantities involved at the applicable prices specified in the Contract.
- G. If the applicable unit prices **are not** contained in the Agreement, the Owner shall request from the Contractor, before ordering the Contractor to proceed with the desired changes, an itemized proposal covering the work involved in the change, after which the procedure shall be as follows:
 - 1. If the proposal is **acceptable**, the Owner will prepare the Change Order in accordance therewith for acceptance by the Contractor; or
 - 2. If the proposal is **not acceptable**, and prompt agreement cannot be reached, the Owner may order the Contractor to proceed with the work on a cost-plus basis. A cost-plus basis is defined as the net cost to the Contractor of the work plus an allowance to cover overhead and profit as stipulated below:

- a. **Net Cost of the work** is defined as:
Gross cost of labor, plus
Net cost of Materials, plus
Gross cost of equipment.
- b. **Gross Cost of labor** is defined as net cost of labor plus fringe benefits.
- c. **Net Cost of labor** is defined as the cost of required labor based on prevailing rates established by the NY State Labor Department and stated in the Contract Documents. No part of any salary for any employee above the grade of foreman, and having general supervision of the work, will be included in this item.
- d. **Fringe benefits** are defined as all insurances, taxes and other benefits for the employee required by law or by Union Contract. In lieu of an item-by-item tabulation of the actual value of such fringe benefits, all fringe benefits are hereby determined to total an amount of 40% of the net cost of labor, and the Contractor, in submitting his bid, agrees that this percentage shall be used regardless of whether actual fringe benefits are more or less than this amount.
- e. **Net Cost of materials** shall be defined as the cost of all materials incorporated in the work including delivery charges, less any allowable cash discounts, as shown by receipted bills.
- f. **Gross Cost of equipment** is defined as the net cost of equipment plus an allowance of 10% for fuel and lubricants.

Should the Contractor disagree with the cost value of the credit as fixed by the Engineer, he may appeal the same in accordance with the procedures outlined in GENERAL CONDITIONS.

- H. Each Change Order shall include in its final form:
 - 1. A detailed description of the change in the work.
 - 2. The Contractor's proposal (if any) or a confirmed copy thereof.
 - 3. A definite statement as to the resulting change in the Contract price and/or time.
- I. The Contractor shall not take advantage of any obvious error in the specifications or any such error in the drawings or other Contract Documents. Any obvious error or discrepancy in or between any of the Contract Documents shall be immediately reported to the Project Engineer who shall make such corrections and interpretations as he may deem necessary for the completion of the work in a satisfactory and acceptable manner.
- J. Change Orders shall be in writing. If a Contractor claims that a Change Order was given to him orally, his claim shall be invalid unless such oral

change order was given by the Project Engineer and, further, unless such oral Change Order was confirmed in writing within 24 hours after the giving of the alleged Change Order.

- K. When change orders or claims involve a subcontractor, no surcharge will be allowed the Contractor for handling, processing, supervision or coordination.

29. PAYMENTS

- A. The unit or lump sum prices quoted in the bid shall include the cost of all labor, equipment and material necessary to complete the work.

- B. Partial Payments

- 1. The Contractor shall prepare his requisition for partial payment as of the last day of the month and submit it, with the required number of copies, to the Engineer for his approval. The amount of the payment due the Contractor shall be determined by adding to the total value of work completed to date, the value of materials properly stored on the site and deducting five percent (5%) of the total amount, to be retained until final payment. The total value of work completed to date shall be based on the in-field measurements & estimated quantities of work completed and on the unit prices contained in the Agreement. The value of materials properly stored on the site shall be based on the estimated quantities of such materials and the invoice prices as evidenced by a supplier's receipted invoice. Copies of all invoices shall be available for inspection of the Engineer.

- 2. Monthly or partial payments made by the Client to the Contractor are monies advanced for the purpose of assisting the Contractor to expedite the work of construction. All material and completed work covered by such monthly or partial payments shall remain the property of the Contractor and he shall be responsible for the care and protection of all materials and work upon which payments have been made. Such payments shall not constitute a waiver of the right of the Client to require the fulfillment of all terms of the Contract and the delivery of all improvements embraced in this Contract complete and satisfactory to the Client in all details.

- C. Final Payment

- 1. After final inspection and acceptance by the Client and approval of

Engineer of all work under the Contract, the Contractor shall prepare his requisition for final payment which shall be based upon the carefully measured or computed quantity of each item of work at the applicable unit prices stipulated in the Agreement. The total amount of the final payment due the Contractor under this Contract shall be the amount computed as described above less all previous payments. Final payment to the Contractor shall be made subject to his furnishing the Client with a release in satisfactory form of all claims against the Client arising under and by virtue of his Contract, other than such claims, if any, as may be specifically excepted by the Contractor from the operation of the release as provided elsewhere herein.

2. The Client, before paying the final estimate, may require the Contractor to furnish releases or receipts from all subcontractors having performed any work and all persons having supplied materials, equipment (installed on the Project) and services to the Contractor, if the Client deems the same necessary in order to protect its interest. The Client, however, may if it deems such action advisable, make payment in part or in full to the Contractor without requiring the furnishing of such releases or receipts and any payments so made shall in no way impair the obligations of any surety or sureties furnished under this Contract.

30. TIME OF COMMENCEMENT AND COMPLETION

- A. The Contractor will be required to start the work described in the Proposal within ten (10) days from date of Notice to Proceed.
- B. The term of the contract shall be 9 months from the Notice to Proceed date.

31. Contractor shall submit a Schedule of Values for all site construction items and will be used as a basis for partial payment application within 3 days of Notice to Proceed. Submit AIA Documents G703 and G702.

C. COMPLIANCE WITH THE LABOR LAW

1. The Contractor shall comply with the applicable provisions of the “Labor Law” as amended, of the State of New York. This Contract shall be void unless applicable sections of said Labor Law are complied with.

2. Each and every provision of law and clause required by law to be part of this Contract shall be deemed to be included herein and this Contract shall be read and enforced as though it were included herein, and, if through mere mistake or otherwise any such provision is not included, then upon the application of either party hereto, the Contract shall forthwith be physically amended to make such inclusion.

Specifically, Section 220-e of the Labor Law, as amended, prohibits in contracts, discrimination on account of race, creed, color or national origin in employment of citizens upon public works.

There may be deducted from the amount payable to the Contractor by the Village under this Contract a penalty of five dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of Section 220-e; provided, that for a second or any subsequent violation of the provisions of said paragraph, this Contract may be canceled or terminated by the Owner and all monies due or to become due hereunder may be forfeited.

D. FORM OF AGREEMENT

THIS AGREEMENT, made this _____ day of _____ by and between the VILLAGE OF CROTON-ON-HUDSON, a municipal corporation of the State of New York located in the County of Westchester, party of the first part (hereinafter called the Village), and _____ party of the second part (hereinafter called the Contractor)

WITNESSETH - That for and in consideration of the premises and agreements herein contained, and the payments herein provided to be made, the parties hereto agree as follows:

First - The Contractor covenants and agrees at his own proper cost, charge and expense to furnish all machinery, appliances, tools, labor and materials necessary or proper to do all the work necessary to construct all the works, equipment and fixtures appurtenant thereto, as set forth in the Contractor's proposal dated _____ for: the _____ . and described in the plans and specifications made and prepared by the Village Engineer of the Village of Croton-on-Hudson in the County of Westchester, and in the Contract Documents forming a part of this Contract, in a first-class workmanlike manner, and in strict accordance with the plans, drawings and specifications therefor, advertisement, and the Contractor's proposal; all of which plans, drawings, specifications, advertisement, proposal and other Contract Documents are made a part hereof to the same extent as though the same were herein expressly written; and under the supervision of the Village Engineer of the Village of Croton-on-Hudson, a copy of which plans and specifications the Contractor acknowledges receipt of prior to the execution of this Contract.

Second - In consideration of the Contractor faithfully complying with all the terms and stipulations of this Contract as set forth herein, or in the plans and specifications therefor, advertisement, proposal and other Contract Documents, the Village of Croton-on-Hudson covenants and agrees to pay the said Contractor at the time and times, and in the manner more particularly set forth in the General Conditions, and in the Proposal, which are made a part of this Contract.

Third - (a) In hiring of employees for the performance of work under this Contract or any sub-contract hereunder, no contractor, subcontractor nor any person acting on behalf of such contractor or subcontractor shall by reason of race, creed, color or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates;

(b) No contractor, subcontractor nor any person on his behalf shall, in any manner, discriminate against nor intimidate any employee hired for the performance of work under this Contract on account of race, creed, color or national origin;

(c) There may be deducted from the amount payable to the Contractor by

the Village a penalty of \$5.00 for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the Contract;

(d) This Contract may be canceled or terminated by the Village and all moneys due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the Contract;

(e) Any laborer or mechanic employed to perform work on the project under this Contract, shall be paid not less than the minimum rates of wages specified under Prevailing Wage Rates for Westchester County published by the NY State Department of Labor, Bureau of Public Works.

Fourth - Upon the refusal of the Contractor to: (a) testify when called before a Grand Jury concerning any transaction or contract with the State of New York, any political subdivision thereof, public authority, public department, agency or official of the State, or of any political subdivision thereof; (b) to sign a waiver of immunity against subsequent criminal prosecution; or (c) to answer any relevant questions concerning any such transactions or contracts, the Contractor shall, for a period of five years after such refusal, be disqualified from selling to, submitting bids to, receiving awards from, or entering into contracts for goods, work or services with the Village, or any public department, agency or official thereof, and further, any contracts made by the Contractor with the Village or any public department, agency or official thereof since July 1, 1959, may be canceled by the Village without penalty or damages on account of such cancellation, except that all moneys owing on account of goods delivered or work done prior to such cancellation shall be paid.

IN WITNESS WHEREOF the Mayor and Board of Trustees of the Village of Croton-on-Hudson, the governing body of the said Village, have by resolution authorized the corporate seal of the Village to be hereunto affixed, and this contract to be signed by the Village Manager and the same attested by _____, and the Contractor, the day and year first written above.

Attest :

VILLAGE OF CROTON-ON-HUDSON, NY

By _____
Janine M. King, Village Manager

Attest:

By _____
Contractor

E. NON-DISCRIMINATION CLAUSE

During the performance of this contract, the contractor agrees as follows:

- a. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin, and will take affirmative action to insure that they are afforded equal employment opportunities without discrimination because of race, creed, color, or national origin. Such action shall be taken with reference, but not limited to: recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff or termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on-the-job training.
- b. The Contractor will send to each labor union or representative of workers with which he has or is bound by a collective bargaining or other agreement or understanding, a notice, to be provided by the Commission of Human Rights, advising such labor union or representative of the contractor's agreement under clauses "a" through "h" hereinafter called "non-discrimination clauses", and requesting such labor union or representative to agree in writing, whether in such collective bargaining or other agreement or understanding or otherwise, that such labor union or representative will not discriminate against any member or applicant for membership because of race, creed, color or national origin. Such action shall be taken with reference, but not be limited to: recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff or termination, rates of pay or other forms of compensation and selection for training or retraining including apprenticeship and on-the-job training. Such notice shall be given by the Contractor, and such written agreement shall be made by such labor union or representative, prior to the commencement of performance of this contract. If such labor union or representative fails or refuses so to agree in writing, the Contractor shall promptly notify the Commission for Human Rights of such failure or refusal.
- c. The Contractor will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the Commission for Human Rights setting forth the substance of the provisions of clauses "a" and "b" and such provisions of the State's Laws against discrimination as the Commission for Human Rights shall determine.
- d. The Contractor will state, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, that all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color or national rights.
- e. The Contractor will comply with the provisions of Sections 291-299 of the Executive Law and the Civil Rights Law, will furnish all information and reports deemed necessary by the Commission for Human Rights under these non-discrimination clauses and such sections of the Executive Law, and will, permit

access to his books, records, and accounts by the Commission for Human Rights, and Owner representatives/counsel for purposes of investigation to ascertain compliance with these non-discrimination clauses and such sections of the Executive Law and Civil Rights Law.

- f. This Counsel may be forthwith canceled, terminated, or suspended in whole or in part, by the contracting agency upon the basis of a finding made by the Commission of Human Rights that the Contractor has not complied with these non-discrimination clauses, and the Contractor may be declared ineligible for future contracts made by or on behalf of the Owner/Contracting Agency until he satisfied the Commission for Human Rights that he has established and is carrying out a program in conformity with the provisions of these non-discrimination clauses. Such finding shall be made by the Commission for Human rights after conciliation efforts by the Commission have failed to achieve compliance with these non-discrimination clauses and after a verified complaint has been filed with the Commission, notice thereof has been given tot he Contractor and an opportunity has been afforded him to be heard publicly before three members of the Commission. Such sanctions may be imposed and remedies otherwise provided by law.
- g. If this Contract is canceled or terminated under clause "f", in addition to other rights of the Owner provided in this contract upon its breach by the Contractor, the Contractor will hold the Owner harmless against any additional expenses or costs incurred by the Owner in completing the work or in purchasing the services, materials, equipment or supplies contemplated by this contract, and the Owner may withhold payments from the Contractor in an amount sufficient for this purpose and recourse may be had against the surety on the performance bond if necessary.
- h. The Contractor will include the provisions of clauses "a" through "g" in every subcontract or purchase order in such a manner that such provisions will be binding upon each subcontractor or vendor as to operations to be performed within jurisdictional locale of the Project being contracted by the Owner. The contractor will take such action in enforcing such provisions of such subcontract or purchase as the Owner/Contracting Agency may direct, including sanctions or remedies for non-compliance. If the Contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the Contracting Agency/Owner, the Contractor shall promptly so notify the Owner's representatives/counsel, requesting him to intervene and protect the interest of the Owner (Contracting Agency's jurisdictional area).

VILLAGE OF CROTON ON HUDSON
Municipal Building, One Van Wyck Street
Croton on Hudson, NY 10520

F. STATEMENT OF NO BID

Ladies and Gentlemen:

We, the undersigned, have declined to bid on your Bid #**01-2016** for the following reasons:

_____ We do not offer this service

_____ Our policy schedule would not permit us to perform

_____ Unable to meet specifications

_____ Unable to meet bond requirements

_____ Other _____

We understand that if the no bid letter is not executed and returned, our name may be deleted from the list of qualified bidders for Village of Croton-on-Hudson.

Company Name: _____

Signature: _____

Telephone: _____

G. CERTIFICATE OF NON-COLLUSION

- A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies and, in the case of a joint bid, each party thereto certifies as to his own organization under penalty of perjury, that to the best of his knowledge and belief:
1. The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement for the purpose of restricting competition, or as to any matter relating to such prices with any other bidder or with any competitor;
 2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed either directly or indirectly to any other bidder or to any competitor prior to opening, and;
 3. No attempt has been made or will be made by the bidder to induce any other person, partnership, or corporation to submit a bid for the purpose of restricting competition.
- B. A bid shall not be considered for award nor shall any award be made where A.1, 2, and 3 above have not been complied with provided, however, that if in any case the bidder cannot make the foregoing certification, he shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. Where A.1, 2, and 3 above have not been complied with, or a signed statement furnished, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the Village of Croton-on-Hudson, or his designee, determines that such disclosure was not made for the purpose of restricting competition.
- C. The fact that the bidder: (a) has published price lists, rates, or tariffs covering items being procured; (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items; or (c) has sold the same items to other customers at the same prices being bid; does not constitute, without more, a disclosure within the meaning of A.2 above.

Date

Signature

Title

H. PROPOSAL FORM

VILLAGE OF CROTON-ON-HUDSON
FARRINGTON ROAD & HUNTER PLACE
WATER & SEWER INFRASTRUCTURE IMPROVEMENT PROJECT
CROTON-ON-HUDSON, NY

Bidder's Name:

Bidder's Address:

Bidder's Telephone Number:

By (Printed Name and Title):

Signature:

Date:

The Bidder, having familiarized ourselves with existing conditions on the project area affecting the cost of the Work and with the Contract Documents (which includes Specifications and Drawings), hereby propose to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment and service, including utility and transportation services, required to construct and complete the Scope of Work all in accordance with the above listed documents.

The Bidder proposes to perform the Work for the following costs as listed in the Form of Bid, which includes unit prices for possible changes to quantities of certain work items.

The following Enclosures are required to be provided by the Bidder with the completed Form of Bid:

Subcontractor Listing
Substitution Listing
Construction Schedule
Construction Methodology
Key Personnel Data

Rates for All Project Personnel and
Equipment
Debris Disposal Plan
Site Utilization Plan

b. Manholes

Estimated
Quantity*

6 ea. 4' diam. (under 5' deep)	\$	\$
16 ea. 4' diam. (5' to 8' deep)	\$	\$
1 ea. 4' diam. (8' to 10' deep)	\$	\$

Estimated
Quantity*

c. 52 ea. Cleanout	\$	\$
d. 1 ea. Connection to existing structure	\$	\$
e. 52 ea. Connection of existing service line to new service line	\$	\$
f. 8 ea. Abandon existing manhole	\$	\$

2. Water Lines, complete in place including excavation, backfill, testing and disinfection

a. Pipe

Estimated
Quantity*

124 lf <u>6" Ductile Iron Pipe</u>	\$	\$
2,748 lf <u>8" Ductile Iron Pipe</u>	\$	\$

b. Gate valves

Estimated
Quantity*

8 ea. <u>6" Gate Valve including valve box</u>	\$	\$
7 ea. <u>8" Gate Valve including valve box</u>	\$	\$
2 ea. <u>10" Gate Valve including valve box</u>	\$	\$

Estimated
Quantity*

c.	1 ea.	8" tapping sleeve & gate valve	_____	\$	_____	\$	_____
d.	37 lf	¾" copper service line	_____	\$	_____	\$	_____
e.	815 lf	1" copper service line	_____	\$	_____	\$	_____
f.	1 ea.	¾" corporation stop	_____	\$	_____	\$	_____
g.	50 ea.	1" corporation stop	_____	\$	_____	\$	_____
h.	1 ea.	¾" curb stop & box	_____	\$	_____	\$	_____
i.	50 ea.	1" curb stop & box	_____	\$	_____	\$	_____
j.	6 ea.	Hydrant (installation only-new hydrants to be supplied by the Village)	_____	\$	_____	\$	_____
k.	8 ea.	8"x6" Tee	_____	\$	_____	\$	_____
l.	1 ea.	8"x8" Tee	_____	\$	_____	\$	_____
m.	3 ea.	Existing hydrant removed	_____	\$	_____	\$	_____

3. Pavements
(Pavements, complete in place
(compacted measure))

Estimated
Quantity*

a.	360 tons	HMA binder course	_____	\$	_____	\$	_____
b.	520 tons	HMA base course	_____	\$	_____	\$	_____

TOTAL CONTRACT BID PRICE \$ _____

* See Note 20 on Page 7

I. BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we the undersigned

as Principal, and _____

as Surety are held and firmly bound unto **The Village of Croton on Hudson, NY**

hereinafter called the “**OWNER**”, in the penal sum of

_____ Dollars, (\$_____) lawful

money of the United States, for payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the Accompanying Bid, dated:

_____, 20___,

for _____

NOW THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same, or within any extended time period agreed to by the Principal, Surety and Owner, or, if no period is specified, within thirty (30) days after the said opening, and shall within the period specified therefore, or if no period is specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Owner in accordance with the Bid as accepted, and give a bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; then the above obligation shall be null and void and of not effect, otherwise to remain in full force or virtue.

Failure to comply with the aforementioned condition shall result in the forfeiture of the Bid Bond as liquidated damages.

IN WITNESS WHEREOF, the above -bounded parties have executed this instrument under their several seals this _____ day of _____ of, 20___, the name and corporate seal of each corporate party hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

No extension of time or other modification of this Bid Bond shall be valid unless agreed to in writing by the parties to this Bond

In presence of:

_____(SEAL)
(Individual Principal)

(Business Address)

_____(SEAL)

(Business Address)

Attest: By: _____

(Corporate Principal)

(Business Address)

By: _____ Affix
Corporate
Seal

Attest: _____

(Corporate Surety)

(Business Address)

By: _____ Affix
Corporate
Seal

Countersigned

By: _____

*Attorney-in-Fact, State of _____

*Power-of-Attorney for person signing for Surety Company must be attached to Bond.

J. PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____

As Principal, hereinafter called Contractor, and _____

_____ As Surety, hereinafter called

Surety, are held and firmly bound unto _____

_____ As Obligee hereinafter called Owner,

in the amount of _____

Dollars (_____), for payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has written agreement dated _____

_____, entered into a Contract with Owner for

which Contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, the condition of this obligation is such that, if Contractor shall promptly and faithfully perform said Contract, including such remedial work as may be required under the guaranty during the period of guaranty and shall certify in writing that all wages paid under said Contract to any mechanic, laborer or workman were equal to the rates or wages customary or then prevailing for the same trade or occupation in the Project area, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Owner.

Whenever Contractor shall be, and declared by Owner to be in default under the Contract, the Owner having performed Owner's obligations there under, the Surety may promptly remedy the default or shall promptly:

- 1) Complete the Contract in accordance with its terms and conditions, by another Contractor acceptable to the Owner, said other Contractor to act as an agent for the Surety, or
- 2) Obtain a Bid or Bids for submission to the Owner for completing the Contract in accordance with its terms and conditions, and upon determination by the Owner and Surety of the lowest responsible Bidder, arrange for a Contract between such Bidder and Owner, and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price, but not exceeding, including, other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The terms "balance of the contract price", as used in this paragraph, shall mean the total amount payable by the Owner to the Contractor under the Contract and any amendments thereto, less the amount properly paid by the Owner to the Contractor.

Unless otherwise required by law, any suit under this Bond must be instituted before the expiration of one (1) year from the date on which the guaranty period under the Contract expires.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators and successors of the Owner.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this _____ day of, _____ 20____, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

In presence of:

 (Individual Principal) (SEAL)

 (Business Address)

 (SEAL)

 (Business Address)

Attest:

(Corporate Principal)

(Business Address)

By: _____ Affix
Corporate
Seal

Attest:

(Corporate Surety)

(Business Address)

By: _____ Affix
Corporate
Seal

Countersigned

by _____

*Attorney-in-Fact, State of _____

*Power-of-Attorney for person signing for Surety Company must be attached to Bond.

K. LABOR AND MATERIAL PAYMENT BOND

NOTE: This Bond is issued simultaneously with another Bond in favor of the Owner conditioned for the full and faithful performance of the Contract.

KNOW ALL MEN BY THESE PRESENTS:

That _____

as Principal (hereinafter called Principal) and _____

_____ as Surety (hereinafter called

Surety) are held and firmly bound unto **The Village of Croton on Hudson**

_____ as Obligee (hereinafter called Owner) for the use and benefit of claimants as herein below defined; in the amount of

_____ Dollars

(\$ _____), for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has written agreement dated _____

entered into a Contract with Owner for _____

_____ which Contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, the condition of this obligation is such that, if the said Principal shall promptly pay for all materials furnished and labor supplied or performed in the prosecution of the work included in and under the aforesaid Contract, whether or not the material or labor enters into and becomes a component part of the real asset, then this obligation shall be null and void; otherwise it shall remain and be in full force and effect.

PROVIDED, that any alterations which may be made in the terms of the Contract or in the work to be done under it, or the giving by the Obligee of any extension of time for the performance of the Contract, or any other forbearance on the part of either the obligee or the principal to the other shall not in any way release the Principal and the Surety of either or any of them, their heirs, executors, administrators, successors or assigns from their liability hereunder, notice to the Surety of any such alterations, extension or forbearance being hereby waived.

Any party, whether a subcontractor or otherwise, who furnished materials or supplies or performs labor or services in the prosecution of the work under said Contract, and who is not paid therefore, may bring a suit on this bond in the name of the person suing, prosecute the same to a final judgment, and have execution thereon for such sum as may be justly due.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this _____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

In presence of:

_____(SEAL)
(Individual Principal)

(Business Address)

_____(SEAL)

(Business Address)

Attest:

(Corporate Principal)

(Business Address)

By: _____ Affix
Corporate
Seal

Attest:

_____ (Corporate Surety) _____

(Business Address)

By: _____ Affix
Corporate
Seal

Countersigned

By: _____

*Attorney-in-Fact, State of _____

*Power-of-Attorney for person signing for Surety Company must be attached to Bond.

FORM OF MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That We, _____
_____ (hereinafter called the Principal)
as Principal and the _____, a _____ Corporation with an office
and place of business for the State of New York at _____ New York,
(hereinafter called the Surety) as Surety, are held and firmly bound unto the

(hereinafter called the Obligee) as Obligee in the sum of _____
_____ (\$ _____) DOLLARS,
lawful money of the United States of America, for the payment whereof the
Principal and Surety bind themselves, their successors and assigns, jointly and
severally, firmly by these presents.

Signed, sealed and dated this _____ day of _____, 20____.

WHEREAS, the Principal heretofore entered into a written contract with the
Obligee for

WHEREAS, said Contract provides that the Principal shall guarantee

NOW, THEREFORE, the condition of this obligation is such, that if the above
Principal shall indemnify the Obligee against loss by reason of his failure to
make good at his own expense any defects or deficiencies in materials or
workmanship which may appear in the work under said contract within the
period of _____ year(s) from the date of acceptance of the work, then this
obligation shall be void; otherwise to remain in full force and effect.

Principal

By: _____

By: _____

STATE OF _____)

COUNTY OF _____)

On this _____ day of _____ 20__ before me personally appeared the within named _____ to me know, and know to me to be _____ the individual described in and who executed the within bond, and _____ acknowledged to me that he _____ executed the same.

NOTARY PUBLIC

SECTION 2 - SPECIFICATIONS

A. GENERAL SPECIFICATIONS

1.1 GENERAL

- A. The work included in this project is the construction of improvements, collectively or in any combination thereof, in the Village of Croton-on-Hudson, New York. The work included in this project is the installation of Water Mains, and Sanitary Sewers on Farrington Road, and Hunter Place in the Village of Croton on Hudson, as directed by the Village.
- B. All work included in the project is to be done under this Contract.

1.2 SCOPE OF THE WORK

1.2.1 Work Included

- A. The Contractor shall furnish all plant, materials, equipment, supplies, labor, transportation, fuel, power and water necessary to complete the work under the Contract properly, in accordance with the plans and specifications therefor; including such drawings as may be furnished by the Engineer during the progress of the work, at the agreed unit and lump sum prices.
- B. The work under the Contract shall be complete, and all work, materials and services not expressly called for in the specifications, or not shown on the plans, which are necessary and required for the proper construction and operation of the items of work and equipment specified and shown shall be performed, furnished and installed by the Contractor at the agreed unit and lump sum prices, with no additional cost to the Owner.
- C. The Contractor shall clean up the work and maintain it during and after construction, and shall do all work and pay all costs incidental thereto. He shall repair or restore all structures and property that may be damaged or disturbed during the performance of the work, and shall generally direct his operations in the workmanlike manner best calculated to promote rapid construction consistent with safety of life and property.
- D. The Contractor shall protect the newly installed work and all improvements (landscaping, walkways, fencing, walls, lighting, etc.) on public and/or private property during the course of construction. Any damage to newly installed work and/or improvements on public and/or private property shall be repaired and/or replaced at the contractor's sole expense as directed by the Engineer.

- E. The Contractor is advised that the order of work under this contract shall be as follows:
1. Install the entire proposed sewer main and sewer service wyes, service lines and caps.
 2. Where the new sanitary main is installed less than 5 feet horizontally from the existing water main, which is to be abandoned when the new water main is put into service, (SMH A-4 through SMH a-15 and SMH A-17 through SMH A-19) the Westchester County Department of Health (WCDOH) shall be notified in writing 48 hours in advance to allow for periodic observation inspections of the new sanitary sewer main installation by a representative of WCDOH prior to trench backfilling.
 3. Complete successful tests of the sewer mains and manholes (entire system complete) and obtain certification of construction compliance from the Westchester county department of health.
 4. Begin activation of new sewer main with the connection of sanitary services on Farrington road next to the intersection with north riverside drive (NY 9A).
 5. Continue with the remaining sanitary service connections proceeding up gradient on Farrington road and hunter place to complete all service connections.
 6. When all service connections are complete, abandon the existing sanitary main in accordance with the latest edition of "Recommended Standards for Wastewater Facilities".
 7. Install the entire proposed water main (a K-Crete encasement shall be installed on the water main from station 8+74 through station 21+48), appurtenances, service lines and curb stops.
 8. close 8" gate valves #1 and #7 on the new line at each wet-tap (north riverside drive and old post road north), the existing 6" gate valve 'a' on palmer avenue and the new 6" gate valve #3 at the intersection of Farrington road and hunter place.
 9. Pressure test the entire new water main (see note 12*).
 10. Upon achievement of acceptable pressure test results, disinfect the entire new water main (see note 11*). Flush line as directed by village engineer.
 11. Submit acceptable pressure test and bacteriological analysis results to the WCDOH and obtain certification of construction compliance.
 12. Connect the new water service lines and open each gate valve noted in

item 8 and each curb stop to activate the new main and services.

13. Abandon the existing water main in accordance with the latest edition of "recommended standards for water works".

* Notes are provided on Drawing SP-2

1.2.2 Quantities and Amounts of Work

- A. The lump sum and unit prices shall constitute full compensation for all work completed under the Contract, except for any additional work ordered by the Owner, and issued to the Contractor in the form of a written order by the Project Engineer.
- B. Changes in the work requiring more or less of the items for which prices are stipulated in the Proposal, may be made upon a written Change Order. When changes result in the use of less of the stipulated items than shown on the plans and specified, deductions will be made in accordance with said prices in the proposal, or as outlined in the Contract, and vice versa.

1.3 CONTRACT PLANS AND SPECIFICATIONS

1.3.1 Enumeration of Drawings

- A. JMC Drawings:

<u>Dwg. No.</u>	<u>Title</u>	<u>Rev.#/Date</u>
SP-1	"Cover Sheet"	4 08/05/2015
SP-2	"Water & Sewer Main Improvement Plan"	5 08/05/2015
SP-3	"Water & Sewer Main Improvement Plan"	4 08/05/2015
SP-4	"Water & Sewer Main Improvement Plan"	4 08/05/2015
SP-5	"Water & Sewer Main Improvement Plan"	4 08/05/2015
SP-6	"Sanitary Sewer Details"	3 08/05/2015
SP-7	"Sanitary Sewer Details"	3 08/05/2015
SP-8	"Watermain Details"	3 08/05/2015
SP-9	"Sanitary Sewer Profiles"	3 06/18/2015
SP-10	"Sanitary Sewer Profiles"	3 06/18/2015
SP-11	"Sanitary Sewer Profiles"	3 06/18/2015
SP-12	"Water Main Profiles"	4 08/05/2015
SP-13	"Water Main Profiles"	4 08/05/2015
SP-14	"Water Main Profiles"	4 08/05/2015

1.3.2 Plans and Specifications Furnished to Contractor

- A. After the Contract has been executed, the Contractor will be furnished five sets of the Contract Plans and Specifications free of cost. At the request of

the Contractor, additional copies of the plans and/or specifications will be furnished to him at the cost of reproduction.

- B. The Contractor shall furnish each of his subcontractors, manufacturers, and suppliers such copies of the Contract Plans and Specifications as are required for their work.

1.3.3 Drawings to be Furnished by the Contractor

- A. The Contractor shall furnish the Project Engineer detailed drawings of structures and equipment which are to be incorporated into permanent construction and which are not furnished by the Project Engineer. Such tracings and prints as are required shall become the property of the Owner.
- B. The Contractor shall provide the Project Engineer with information and drawings showing the arrangement and locations of temporary structures, bracing, sheathing and equipment, and the Contractor shall not erect or install any such temporary structures without the approval of the Project Engineer.
- C. The Contractor shall furnish shop and setting drawings for all fabricated materials which are to be incorporated into permanent construction. Such shop and setting drawings shall be submitted to the Project Engineer for approval in accordance with the specifications and provisions of the Contract.

1.3.4 Contractor to Check Plans and Data

- A. The Contractor is required to check all dimensions and quantities on the drawings or schedules given to him by the Project Engineer, and shall notify the Project Engineer of all errors, omissions, conflicts, and discrepancies found therein which may be discovered by examining and checking the drawings. He will not be allowed to take advantage of any error or omission in these specifications, nor in the drawings or schedules, as full instructions will be furnished by the Project Engineer should such errors or omissions be discovered, and the Contractor shall carry out such instructions as if originally specified. Figures marked on the drawings shall, in general, be followed in preference to scaled measurements. Large scale drawings shall, in general, govern small scale drawings. In all cases where dimensions are governed by conditions already established, the Contractor shall depend entirely on measurements made by himself, scaled and figured dimensions to the contrary notwithstanding, but no deviation from the specified dimensions will be allowed unless authorized by the Project Engineer.

1.3.5 Specifications

- A. The specifications consist of two parts: The General Specifications

(Conditions) and the Technical Specifications. The General Specifications contain general requirements and minimum standards which govern the work. The Technical Specifications govern the workmanship and materials and bid item description. The Technical Specifications shall always govern whenever there appears to be a conflict between the Technical and General Specifications.

- B. All work called for in the specifications applicable to this Contract, but not shown on the plans in their present form, or vice versa, and work not specified in either the plans or in the specifications but involved in carrying out their intent or in the complete and proper execution of the work, is required, and shall be performed by the Contractor as though it were specifically delineated or described.
- C. The apparent silence of the specifications as to any detail, or the apparent omission from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice shall prevail and that only material and workmanship of the best are to be used, and interpretation of these specifications shall be made upon that basis.

1.3.6 Approval of Shop Drawings

- A. The Contractor shall submit for the Project Engineer's approval appropriate drawings, details and manufacturer's specifications for all materials to be incorporated into the work, and proposed schedules, methods and details of construction relating to the work as specified.
- B. The approval of drawings submitted by the Contractor shall not constitute a waiver of any of the requirements of this Contract, nor shall the Owner be compelled to accept any structure, equipment or apparatus unless it passes all the tests and requirements of these specifications. The approval of drawings shall be general, and shall not relieve the Contractor of responsibility for the accuracy of such drawings nor for the proper fitting and construction of the work.
- C. The procedure in seeking approval of drawings being submitted by the Contractor shall be as follows:
 - 1. The Contractor shall submit four prints of the drawings to the Project Engineer for his approval. The drawings shall be accompanied by a letter of transmittal, in duplicate, containing the name of the project, the name of the Contractor, the number of drawings, titles and other requirements. Unless otherwise specified, such drawings shall be submitted at least 14 days before they are required for fabrication of the materials by the Contractor or supplier. This time requirement may be reduced only by written authorization by the Project Engineer.
 - 2. When a drawing is satisfactory to the Project Engineer, it will be stamped "Approved" and dated, and two copies thereof will be

returned to the Contractor by letter. The Contractor shall then insert the date of the approval on the tracing and promptly furnish the Project Engineer with five additional prints of the approved drawings.

3. When a drawing is generally satisfactory to the Project Engineer but requires correction of minor details, the Project Engineer will note thereon the corrections required, stamp the drawing "Approved as Noted," and return two copies to the Contractor. The Contractor shall thereupon make the corrections indicated and promptly furnish the Project Engineer with five additional prints of the approved drawings.
 4. Should a drawing be unsatisfactory to the Project Engineer, he will stamp thereon "Examined and Returned for Correction," and will return two copies thereof to the Contractor with the necessary corrections and changes indicated. The Contractor shall make such corrections and changes and again submit four prints of the corrected drawings for approval.
- D. The Contractor shall revise and resubmit the drawings as required by the Project Engineer until approval thereof is obtained.
- E. Shop drawings shall not be submitted to the Project Engineer piecemeal; each submission of shop drawings shall be sufficiently complete to permit adequate checking. In general, all drawings relating to a specific piece of equipment or to a specific phase of building construction shall be incorporated into one shop drawing submission. Shop drawing submissions which do not conform to the above requirements will be rejected.

1.4 INSURANCE

1.4.1 The Contractor, prior to signing of the Contract, shall provide to the Village of Croton-on-Hudson, and maintain throughout the life of the contract at his own cost and expense, proof of the following insurance by insurance companies licensed in the State of New York. The policy or policies shall name the VILLAGE OF CROTON-ON-HUDSON as additional insured and shall contain a clause that the insurer will not cancel or decrease the insurance coverage without first giving the Village thirty (30) days notice in writing.

- A. General Liability Insurance with a single limit of liability per occurrence of \$1,000,000 and \$2,000,000 annual aggregate for bodily injury and property damage. The Certificate of Insurance shall indicate the following coverages:
1. Premises - Operations
 2. Contractual as with respect to this contract
 3. Any deductibles shall not be the liability of the Village of Croton-on-

Hudson.

4. Products/complete operations; independent contractors; explosion, collapse and underground losses broad form property damage liability (including complete operations); and personal injury hazards.

B. Worker's Compensation and Disability Insurance:

The Contractor shall provide and maintain during the life of the Contract adequate Worker's Compensation and Disability Insurance in accordance with the laws of the State of New York for all its employees. A certificate shall be filed with the Village by the Insurance carrier showing such insurance to be in force at all times.

C. Automobile Liability Insurance with a combined single limit of liability per occurrence for bodily injury and per occurrence for property damage at \$1,000,000. This insurance shall include coverages for:

1. owned automobiles
2. rented automobiles
3. non-owned automobiles.

D. Umbrella Liability in the amount of \$5,000,000 to supplement A, B & C above

Before beginning the work covered by these Specifications, the Contractor shall submit to the Village copies of the policies of Insurance described in this section. The policy or policies shall name the VILLAGE OF CROTON-ON-HUDSON as additional insured and shall contain a clause that the insurer will not cancel or decrease the insurance coverage without first giving the Village thirty (30) days notice in writing.

The Contractor shall protect, defend, indemnify, save and hold harmless, and exempt the Village of Croton-on-Hudson, its officers, agents, servants and employees from and against any and all suits, liability suits, actions, legal proceedings, claims, demands, damages, costs, expenses, attorney's fees, professional fees, losses, penalties, settlements, judgments, charges or other expenses or liabilities of every kind and character in connection with or arising directly or indirectly out of this Contract and/or performance hereof and/or work done in performance of this Contract, resulting from or relating to injury to persons, damage to property, death, or any actual or alleged violation of any statutes, ordinance, administrative order, law rule or regulations, but only to the extent resulting from the negligent acts, errors or omissions of Contractor or it's officers, agents, servants or employees. The contractor further agrees to investigate, handle, respond to, provide defense for, defend, and indemnify any such claims , etc., at its sole cost and expense and agrees to bear all other costs and expenses related thereof. The Village reserves the right to retain counsel of its choice at its own expense, or in the alternative,

approve counsel obtained by the contractor at the Contractor's expense.

- E. Unemployment Insurance - The Contractor, for the agreed consideration, promises and agrees to pay the contributions measured by the wages of his employees required by State Unemployment Insurance Laws and all amendments thereto, and to accept the account of any contributions measured by the wages as aforesaid of employees at the Contractor's and his subcontractor's assessed against the Owner under the authority of said law.

1.4.2 All policies and certificates of insurance of the Contractor shall contain clauses as follows:

- A. The insurance companies issuing the policy or policies shall have no recourse against the Village of Croton-on-Hudson for payment of any premiums or for assessments under any form of policy.
- B. Any and all deductibles in the above-described insurance policies shall be assumed by and be for the account of, and at the sole risk of, the Contractor.
- C. In case of cancellation or material change in any of the policies, thirty (30) days notice shall be given to the Village Manager and Village Clerk, Village of Croton-on-Hudson, 1 Van Wyck Street, Croton-on-Hudson, New York 10520, by registered mail, return receipt requested.

1.4.3 All property losses shall be made payable to and adjusted with the Village.

1.4.4 All policies of insurance shall be acceptable to and approved by the Village Manager prior to the inception of any work.

1.4.5 Other coverages may be required by the Village of Croton-on-Hudson based upon specific needs.

1.4.6 If, at any time, any of said policies shall be or become unsatisfactory to the Village as to form or substances, or if a company issuing any such policy be or become unsatisfactory to the Village, the Contractor shall promptly obtain a new policy, submit the name to the Village Manager at the Village of Croton-on-Hudson for approval, and submit a certificate thereof as hereinabove provided. Upon failure of the Contractor to furnish, deliver and maintain such insurance as above provided, this Contract, at the election of the Village may be forthwith declared suspended, discontinued or terminated. Failure of the Contractor to take out and/or to maintain any required insurance, shall not relieve the Contractor of any liability under the Contract, and shall not be construed to conflict with the obligations of the Contractor.

1.4.7 In the event that claims in excess of these amounts are filed by reason of any

operations under the Contract, the amount of excess of such claims or any portion thereof may be withheld from payment due or to become due the Contractor until such time as the Contractor shall furnish such additional security covering such claims.

- 1.4.8 The Contractor agrees to protect, defend, indemnify and hold the Village of Croton-on-Hudson and its officers, employees and agents free and harmless from and against all loses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this agreement and/or the performance hereof. Without limiting the generality of the foregoing, any and all such claims, etc. relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged infringement of any patent, trademark, copyright (or application for any thereof) or of any other tangible or intangible personal or property right, or any actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation, or decree of any court, shall be included in the indemnity hereunder. The Contractor further agrees to investigate, handle, respond to, provide defense for and defend any such claims, etc. related thereto at his sole expense, even if they (claims, etc.) are groundless, false or fraudulent. In any case in which such indemnification would violate Sec. 5-322.1 of the New York General Obligations Law, or any other applicable legal prohibition, the foregoing provisions concerning indemnification shall not be construed to indemnify the Village of Croton-on-Hudson for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Village of Croton-on-Hudson or its employees.

1.5 MATERIALS AND EQUIPMENT

1.5.1 General

- A. Before placing orders, the Contractor shall submit to the Project Engineer for approval detailed lists and descriptions of the various materials, fixtures, fittings and supplies which he proposes to use in the Work, together with the name of the individual or company who will furnish or manufacture the same. No manufacturer will be approved for any of the materials to be furnished under this Contract unless he shall be of good reputation, shall have a plant of ample capacity, and shall have been engaged in and successfully done similar work for at least five years.
- B. All materials, fixtures, fittings and supplies furnished under this Contract shall be of standard first grade quality and of the best workmanship and design. No inferior or low grade articles will be either approved or accepted, and all work of assembly and construction must be done in a neat first-class and workmanlike manner. In asking for prices on materials intended for delivery to the Owner under any item of this

Contract, the Contractor shall provide the manufacturer or dealer with such complete information from these specifications as may be necessary and, **in every case, he shall quote this section in full to each such dealer or manufacturer.**

1.5.2 Engineer Sole Judge of Quality and Suitability

- A. All material becoming part of the permanent construction, as called for on the plans and in these specifications, shall be first-class in every respect and subject to the approval of the Project Engineer who shall be the sole judge of their quality and suitability for the purposes for which they are to be used. He shall be notified whenever the preparation or manufacture of any material for the Work is commenced. No material shall be shipped to the Work before it has been inspected and accepted unless inspection has been authorized by the Project Engineer to be made at the site or has been waived. If any material brought on the ground for use in the work is condemned by the Project Engineer as unsuitable or not in conformity with the specifications after arrival at the site, the Contractor shall immediately remove and replace such material even though it may have been passed previously by the inspector as satisfactory.

1.5.3 Samples

- A. The Contractor shall, when required, submit to the Project Engineer for approval, typical samples of materials and appliances. The samples shall be properly identified by tags and shall be submitted sufficiently in advance of the time when they are to be incorporated into the work so that rejections thereof will not cause delay. A letter of transmittal, in duplicate, from the Contractor requesting approval must accompany all such samples.

1.5.4 Testing and Inspection

- A. The Contractor shall furnish all tests performed by a reliable testing laboratory approved by the Project Engineer. Said tests are to be at Contractor's own expense as directed in the specifications or Contract Documents and whenever directed to do so by the Project Engineer.
- B. The Contractor shall retain at his own expense a qualified testing laboratory which shall make tests of the materials used in concrete, proportioning of concrete mixes, and tests on concrete at the direction of the Project Engineer as the work progresses.
- C. All expense caused by the inspection of any material shall be borne by the Contractor when certified by the Project Engineer and by the Owner's representative. The Project Engineer is the sole judge in determining that any material or equipment be inspected at the mill.
- D. Satisfactory documentary evidence that material has passed the required

inspection and testing must be furnished to the Project Engineer prior to the incorporation of the material in the work; rejected material must be promptly removed from the premises.

1.5.5 Brands or Equal

- A. Whenever in these plans and specifications a particular brand, make of material, device or equipment is shown or specified, such material, device or equipment is to be regarded as a standard. Any other make or brand which, in the opinion of the Project Engineer, is equal to that specified will be accepted. All materials and workmanship shall, in every respect, be in accordance with the best modern practice; wherever the Contract Drawings, Specifications or directions of the Project Engineer admit of a doubt as to what is permissible and/or fail to note the quality of the work, the interpretation which calls for the best quality of work is to be followed.

1.5.6 Care and Protection

- A. The Contractor shall be solely responsible for properly storing and protecting all materials, equipment and work furnished under this Contract from the time such materials and equipment are delivered at the site of the work until final acceptance thereof. He shall, at all times, take necessary precaution to prevent injury or damage by vehicles, people, animals, water, freezing, or inclemencies of weather to such materials, equipment and work. All injury or damage to materials, equipment or work resulting from any causes whatsoever shall be made good by the Contractor.
- B. The Project Engineer shall, in all cases, determine the portion of the site to be used by the Contractor for storage plant or for other purposes. If, however, it becomes necessary to remove and restack materials to avoid impeding the progress of any part of the work to be done by other contractors, the Contractor shall remove and restack such materials at his own expense.
- C. The Contractor shall be responsible for curtailing noise, smoke, fumes or any other nuisance resulting from his operations. He shall, upon written notification from the Project Engineer, make any repairs, replacements, adjustments, or additions, and furnish mufflers when necessary to fulfill requirements.

1.6 LINES AND GRADES

1.6.1 Surveys

- A. All work under this Contract shall be constructed in accordance with the lines and grades shown on the plans or as given by the Owner. The Owner will establish bench marks, base lines, and other principal

controlling points, lines and grades. The Contractor shall check such lines and grades by such means as he may deem necessary and, before using them, shall call the Owner's attention to any inaccuracies. The Contractor shall, at his own expense, establish all working or construction lines and grades as required, in accordance with the base measurements of the Owner, and shall be solely responsible for the accuracy thereof. He shall, however, be subject to the check and review of the Owner. Owner's work shall be at ground level only.

- B. The Contractor shall furnish and maintain, at his own expense, stakes, batter boards, etc., and give assistance, including qualified helpers, as may be required by the Owner for setting and checking line and grade.

1.6.2 Request for Surveys for Lines and Grades

- A. The Contractor shall inform the Owner, a reasonable time in advance, of the times and places at which he intends to work, in order that lines and grades may be furnished and those necessary measurements for record and payment may be made with the minimum inconvenience to the Owner or delay to the Contractor. It is the intention not to delay the work for giving lines and grades but, when necessary, working operations shall be suspended for such reasonable time as the Owner may require for this purpose. No claim for damages nor any extension of time to complete the work by reason of such delay will be allowed the Contractor.

1.6.3 Safeguarding Work

- A. The Contractor shall so place excavation and other materials as to cause no inconvenience in the use of the lines and grades given. He shall safeguard all points, stakes, grade marks, monuments and bench marks made or established on the work, re-establish them if disturbed, and bear the entire expense of rectifying work improperly installed due to lack of maintaining or protecting, or for removing without authorization, such established points, stakes and marks.
- B. In the event that private survey points are encountered which must of necessity be disturbed or removed in order to permit construction operations, or if any private survey points are disturbed or removed through carelessness or negligence or to expedite the Contractor's operations, they shall be replaced at the Contractor's expense by a private surveyor.

1.6.4 Bench Marks

- A. All elevations shown on the plans or specified were obtained from the bench marks established by the U.S. Geologic Survey. Local bench marks will be established by the Project Engineer as required for the proper construction of the Project.

1.7 PROTECTION OF PROPERTY AND EXISTING STRUCTURES

1.7.1 Area to be Occupied by Contractor

- A. The Owner will designate areas of the site adequate in is judgment for the use of the Contractor and will provide proper right of access to the site. The Contractor shall confine his operations to the areas so designated. The Contractor shall be responsible for damages to adjacent lands or property resulting from action of his agents and his employees. The Contractor shall indemnify the Owner against any claims arising out of such injuries and trespasses incurred during the performance of this Contract. The Contractor shall diligently and promptly report in writing to the Owner each of such claims of injury or trespass asserted.

1.7.2 Existing Structures and Utilities

The Contract Drawings show information regarding the location of existing utilities. This information is secured from existing records and field measurements. The information is given to the Contractor as the best available data from reliable sources, but is not guaranteed to be entirely accurate or complete. The Contractor shall inform himself regarding the conditions. No extra payment will be allowed to the Contractor for variation in locations of structures or conditions not shown. The Contractor shall repair, at his expense, all utilities and appurtenances damaged in the course of the work, regardless of whether these utilities were shown on the drawings or not.

1.7.3 Protection of Existing Structures

- A. During the course of the work, the Contractor shall protect any existing structures encountered. If it is necessary to remove any structures due to the requirements of the work, the structures removed shall be replaced so that they are equal to their original condition. The Contractor shall assume full responsibility for any damage done and shall save the Owner harmless in all respect. Adequate insurance, approved by the Owner, shall be carried by the Contractor to cover his responsibility.
- B. Public utilities shall be protected in their present locations and service maintained. Any damage to water mains or any other public utilities shall be repaired or replaced immediately at the Contractor's expense.
- C. Access to various Village structures -- fire hydrants, valves, manholes, fire alarms, etc. shall not be obstructed by the Contractor. The Contractor shall not make connections to existing water mains or operate valves or otherwise interfere with the operation of the existing water distribution system without first giving 24-hours notice to the Village or the Owner affected and securing their approval of the proposed action. The Contractor shall also notify the gas, electric, and telephone companies and all other utility companies having facilities which are subject to

interference 24 hours in advance of the time he proposes to perform work in the area in order that they may take such precautions as are necessary to protect their properties.

1.8 INVESTIGATION AND REPRESENTATION

The Contractor acknowledges that he has satisfied himself as to the value and location of the work, the general and local conditions, particularly those bearing upon transportation, disposal, handling, and storage of materials, availability of labor, water, electric power, road, physical conditions at the site, the conformation and condition of the ground, the character, quality and quantity of surface and subsurface materials to be encountered, and all other matters which can in any way affect the work or the cost thereof under this Contract. Any failure by the Contractor to acquaint himself with all available information concerning these conditions will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work.

1.9 FIELD OFFICES

1.9.1 Contractor's Field Office

The Contractor shall erect, furnish and maintain a field office with a telephone on the site of the work during the entire period of construction at a location approved by the Engineer. The Contractor, or his authorized agent, shall be present at this office at all times while work is in progress. Readily accessible copies of both the Contract Documents and the latest approved working drawings shall be kept at the field office.

1.9.2 Engineer's Field Office

The Contractor will not be required to provide a field office for the Engineer.

1.10 TEMPORARY SERVICES

1.10.1 Light and Power

- A. The Contractor shall, at his own expense, provide temporary electric lighting and power service facilities as required for the proper prosecution and inspection of the work. If, in the opinion of the Project Engineer, the facilities provided by the Contractor are inadequate, the Contractor will not be permitted to proceed with any portion of the work affected thereby.
- B. All wiring for electric light and power shall be installed and maintained in a first-class manner, as ordered or approved, and securely fastened in place at all points. Unless otherwise permitted, circuits separate from lighting circuits shall be used for all power purposes. Electric light and

power lines shall be kept as far as practicable from telephone or signal wires or from wires used for firing blasts. Special precautions shall be taken to avoid short circuits in any part of the wiring system. All wiring and conduits shall be removed when directed on or before the completion of this Contract.

1.10.2 Water

The Contractor shall provide, at his own expense, the water supply necessary for drinking purposes as well as water required for the work.

1.10.3 Sanitary Regulations and Provisions

- A. The Contractor shall prohibit and prevent the committing of nuisances on the site of the work, or on adjoining property, and shall discharge any employee who violates this rule.
- B. Ample washroom and toilet facilities and a drinking water supply shall be furnished and maintained by the Contractor for the use of his employees, the Project Engineer and the Inspector, in strict conformity with State and County health laws.

1.10.4 First Aid

The Contractor shall furnish and keep upon the site at each location where work is in progress a completely equipped first-aid kit and shall provide ready access thereto at all times when workers are employed on the project.

1.10.5 Accident Prevention

- A. During the performance of the work, the Contractor shall exercise all reasonable precautions for the protection of persons or property. The safety provisions of applicable laws, building and construction codes shall be observed. Machinery, equipment and all other physical hazards shall be guarded in accordance with the safety provisions of the Manual of Accident Prevention in Construction, published by the Associated General Contractors of America, to the extent that such provisions are not inconsistent with Federal, State, or Municipal laws or regulations.
- B. If the Project Engineer deems that any operation, practice or condition is unsafe or endangers persons or property, he will notify the Contractor in writing to take corrective action, and such operation, practice or condition shall be promptly discontinued and remedial action taken before the affected part of the work is resumed.
- C. Nothing in the foregoing paragraphs shall be construed as relieving the Contractor from full responsibility at all times for the safe prosecution of the work.

1.11 CONTRACTOR'S AND SUBCONTRACTOR'S EMPLOYEES

- A. The Contractor shall employ on the project at all times one or more competent superintendent with experience in the particular type of work under contract, and such other competent foremen, skilled tradesmen and laborers as the work may require. The Contractor and his subcontractors shall discharge any incompetent or unfaithful employee upon the written request of the Project Engineer.

1.12 TIME OF COMMENCEMENT AND COMPLETION

- A. Contractor will be required to start the work described in the Proposal within **10 days from the date of Notice to Proceed**. Upon commencement, work shall proceed uninterrupted and diligently.
- B. Work is to be completed prior to the onset of freezing conditions or as determined by the Engineer.
- C. The term of the contract shall be ... months from the award date.
- D. This contract may be extended for an additional year by mutual agreement between the Village and Contractor.

1.13 CLEANUP

- A. During construction of the work, the Contractor shall at all times keep the site of the work and adjacent premises free from material, debris, and rubbish as is practicable and shall remove aforementioned from any portion of the site if, in the opinion of the Project Engineer, such material, debris or rubbish constitutes a nuisance or is objectionable.
- B. The Contractor shall remove from the site all of his surplus materials and temporary structures when they are no longer needed.
- C. At the conclusion of the work, the Contractor shall remove all of his erection plans; tools, temporary structures and materials, and he shall remove and promptly dispose of all water, dirt, rubbish or any other foreign substances.

1.14 FINAL INSPECTION

- A. The Contractor shall request from the Engineer in writing a date for final inspection of the work; the inspection will be scheduled for a date not less than 10 days after the date of the request. The work will be deemed complete as of the date so set by the Contractor if upon inspection the Project Engineer determines that no further work remains to be done at the site. Removal of the Contractor's plant and other minor adjustments which do not, in the opinion of the Project Engineer, prevent permanent

use of the project will not be a factor in establishing the completion date.

- B. However, if such inspection, in the opinion of the Project Engineer, reveals items of work still to be performed, the Contractor shall promptly perform them and then request a re-inspection. If, upon any re-inspection, the Project Engineer determines that the work is complete, the date of completion shall be deemed to be the actual date of such re-inspection which shall be made not less than one nor more than 10 days after the date of the request therefor.
- C. During such inspections, the work shall be clean and free from materials which would interfere with the inspection.
- D. In no case will the estimate for the Contractor's final payment be prepared until the Contractor has complied with all the requirements set forth and the Project Engineer has made his final inspection of the entire work and is satisfied that the work has been properly and satisfactorily constructed in accordance with the requirements of the plans and other Contract Documents.

1.15 MAINTENANCE

- A. The Contractor shall maintain all work included under this Contract, without additional cost to the Owner, against defects of workmanship and materials including settlement of backfill for a period of one year from the date of issuance of the Final Certificate.
- B. If repairs or replacements are required, the Project Engineer will notify the Contractor in writing advising him of the extent of the work. Within five days, the Contractor shall begin to perform the necessary work and shall carry it through expeditiously until it is completed. If the Contractor shall fail or neglect to start such repairs within the said five days, the Owner may proceed to have the work done and pay the costs thereof out of any sum retained. Nothing herein contained shall limit the liability of the Contractor or his surety to the Owner for non-performance of the Contractor's obligations at any time.

1.16 TRAFFIC CONTROL

- A. The Contractor shall inconvenience traffic as little as possible. Efforts shall be made to preserve at least one-way traffic on streets at all times.
- B. Handling of traffic on State and County highways shall be with the approval of and in accordance with the requirements of the NY State Dept. of Transportation in the case of State highways, and the Westchester County Dept. of Public Works in the case of County highways. The Contractor will be required to consult with the Chief of Police and the Chief of the Fire Department or their designee to ascertain requirements

with respect to Village roads; the Contractor is required to fully comply with their directions in all details. All necessary permits for such work shall be obtained and shall be paid for by the Contractor.

- C. Access to private properties over driveways shall be maintained. Temporary structures erected by the Contractor to accomplish this shall be safe. The Contractor shall be liable for any damage or injury resulting from the work.
- D. When it is necessary to close a street temporarily, detours shall be provided and plainly and adequately marked. Adequate barricades, lights and other warnings shall be provided and erected to protect the public from the work. No additional compensation shall be allowed for traffic control. All costs thereof shall be included in the lump sum and unit prices bid for the work.

1.17 USE OF COMPLETED PORTIONS

The Owner shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work or such portions which may not have expired. Such possession and use shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents. If such prior use increases the cost or delays the work, the Contractor shall be entitled to extra compensation or extension of time, or both, as the Project Engineer may determine.

1.18 EXISTING UTILITIES, STRUCTURES AND FIXTURES

Should it become necessary for the Contractor to remove or relocate any utilities, structures or other fixtures, due to a grade and alignment conflict which would require the proposed utility, structure or fixture to occupy the same space as the existing pipe, pole, conduit and/or other fixture, such removal or relocation will be paid for in the lump sum fee. Should said utilities, structures or other fixtures be removed or relocated by the Owner or the respective utility companies at no cost to the Contractor, no payment will be made therefore.

B. TECHNICAL SPECIFICATIONS

ARTICLE 1 - TRENCH EXCAVATION AND BACKFILL

1. DESCRIPTION

A. SCOPE

- (1) The Contractor shall provide all labor, plant, material and equipment necessary and required to properly excavate and backfill all utility systems and subsurface structures to be installed under this Contract. Work shall include, but not be limited to:
 - (a) All necessary excavation, including disposal of unsuitable and/or surplus excavated material.
 - (b) All necessary bedding, backfill and compaction, including furnishing approved bedding material and additional suitable backfill material as required.
 - (c) Sheet piling, shoring and bracing as necessary and required.
 - (d) Dewatering of trenches as necessary and required.

B. EXISTING UTILITIES AND SUBSURFACE STRUCTURES

- (1) The Contractor is referred to project conditions and procedures regarding existing utilities and structures given under separate Articles of these Specifications and on the Drawings.

2. CONSTRUCTION DETAILS

A. GENERAL

- (1) Trench excavation shall be carried out by the Contractor to conform with the line and grade of the various utilities and the bottom of the foundations and/or footings for subsurface structures as shown on the Drawings and as specified herein.
- (2) All excavations shall be kept free from water, snow and ice during construction.
- (3) The Contractor shall be responsible, at all times, for conducting all operations in a safe and prudent manner so that all workmen and the public will be protected from hazard. The Contractor shall observe all

applicable Local, County, State and Federal requirements, and he shall obtain all necessary permits and pay all fees, deposits and charges required for acquiring said permits.

- (4) The Contractor is referred to the Bedrock Study Boring Information performed by Todd J. Syska, Inc. dated July 9, 2014 as noted in Note 19 on Drawing SP-2 and in Appendix A "Bedrock Study".

B. TRENCH EXCAVATION

- (1) General Requirements - The Contractor shall be responsible for the excavation of all materials encountered, and with the exception of "Additional Trench Excavation" as hereinafter described, there will be no extra compensation for any excavation, regardless of the character or type of soils or materials encountered.
- (2) Method of Trenching - Trench excavation shall be done with excavating machinery, except in such places where work performed in this manner will injure trees, buildings or existing utilities or structures, or where the use of machinery is specifically forbidden, in which case hand methods shall be employed.
- (3) Preparation of Bottom of Trench - The trench bottoms shall be prepared to conform to the details on the Drawings and as specified herein. Special precautions shall be exercised to insure that pipe and conduit, when installed, will not rest on rock, masonry or any other materials which would present a non-uniform foundation. For bell and spigot pipe, bell holes shall be provided at each pipe joint to prevent bearing on the bell of the pipe. Where two or more pipes or conduits are to be laid in the same trench, the Contractor shall excavate the trench so that all pipe and conduit are laid on undisturbed or approved properly compacted material.
- (4) Unsuitable Material at Bottom of Trench - When the material at the bottom of a trench is unsuitable, as determined by the Owner's Field Representative and/or Geotechnical Engineer, it shall be removed to such depth as the Owner's Field Representative and/or Geotechnical Engineer may direct, and backfilled with suitable and properly compacted granular material obtained from the Project excavation, or from borrow material if it is not available within the Project. Compaction of this replacement material shall be not less than 95% Maximum Modified Density (ASTM Designation D-1557).

Payment for removal of the unsuitable material and replacement with suitable compacted granular material, as directed, shall be considered as included under the Contract Sum.

- (5) Excavation Below Required Grade - Excavation below the grade of pipe, conduit or subsurface structures shown on the Drawings, necessitated by changes in grades in accordance with the directions of the Site Engineer and/or Owner's Field Representative, will be paid for under "Additional Trench Excavation", as hereinafter defined. However, if removal of unsuitable material and replacement with suitable material is required as a result of the Contractor's operations or negligence, it shall be the Contractor's responsibility to correct the condition at his own cost and expense, and no additional payment shall be made to the Contractor by the Owner for removal and replacement of such material. Removal and replacement of material without written authorization, is performed at the Contractor's expense.

Excavation carried below the required level without the authorization of the Owner's Field Representative shall be backfilled by the Contractor at his expense with suitable compacted granular material as directed by the Owner's Field Representative. Compaction of backfill material shall be as specified above under Paragraph 2.B.(4).

- (6) Excavation in Paved Areas - When excavations are to be made in paved surfaces, the paved surfaces shall be line cut on each side of the trench and ahead of the excavation by means of saw cutting or other approved tools to provide a clean, uniform edge, with minimum disturbance of the remaining pavement. The pavement so removed shall not be used for trench backfill, but shall be disposed of as directed by the Owner's Field Representative.
- (7) Unsuitable Excavated Material - Unsuitable excavated material shall be disposed of by the Contractor in accordance with the directions of the Owner's Field Representative and/or Geotechnical Engineer.
- (8) Surplus Excavated Material - Excavated material which is not required for trench backfill shall be disposed of by the Contractor where and as directed by the Owner's Field Representative. In general, suitable surplus excavated material may be used as fill material.

C. TRENCH EXCAVATION IN ROCK

- (1) General Requirements - If rock is encountered in trench, the Contractor shall excavate, remove and dispose of rock in trench within the limits specified and in accordance with the Drawings and Specifications and/or as approved by the Owner's Field Representative.

Trench excavation in rock shall be defined as removal of boulders larger than one (1) cubic yard in volume and removal of ledge rock, concrete or masonry structures which cannot be ripped with a one and one-half (1-1/2) cubic yard backhoe or equivalent and requires drilling, blasting,

or other special methods for removal. Removal of concrete pavement over trench is not considered trench excavation in rock.

For pipe and conduit installation, rock excavation shall be carried to a level at least six (6) inches below the bottom of the pipe or conduit. The trench shall then be brought to proper grade for laying of the pipe or conduit by the placing of Select Bedding as directed by the Owner's Field Representative.

- (2) Shattered Rock - If, in the course of rock excavation, the rock below grade is shattered due to over-drilling or over-blasting, and the Owner's Field Representative and/or Geotechnical Engineer considers such shattered rock to be unfit for support of pipe, conduit or structures, the shattered rock shall be removed and the excavation backfilled with concrete, gravel or crushed stone, as the Owner's Field Representative and/or Geotechnical Engineer directs. All such removal, backfilling and corrective work shall be done by and at the expense of the Contractor.
- (3) Payment - No additional payment will be made for trench excavation in rock; compensation shall be considered as included in the Contract Sum.

D. ADDITIONAL TRENCH EXCAVATION

- (1) Authorized Changes and/or Alterations - The Site Engineer and/or Owner's Field Representative may, as a result of unforeseen conditions arising during the progress of the Work, order the grade of any pipe or structure changed from that established on the Drawings, or may order the raising, lowering or alteration of any existing pipeline or structure.
- (2) Additional Payment to Contractor - Should such changes or alterations result in an addition to the quantity of trench excavation, this additional excavation shall be considered as Extra Work and payment for same shall be made to the Contractor on the basis of the unit price in the Contract for "Additional Trench Excavation in Earth" or "Additional Trench Excavation in Rock," whichever may be appropriate, as determined by the Owner's Field Representative.
- (3) Credit to Owner - Should such changes or alterations result in a reduction in the quantity of excavation, then the unit price in the Contract for "Additional Trench Excavation in Earth" or "Additional Trench Excavation in Rock," whichever may be appropriate, as determined by the Owner's Field Representative, shall be applied to the quantity of reduced excavation to determine a credit to the Owner

for the reduction in the amount of excavation occasioned by such change.

- (4) Method of Measurement - The quantity of "Additional Trench Excavation in Earth" or "Additional Trench Excavation in Rock" measured for payment to the Contractor or reduction of trench excavation measured for credit to the Owner shall be determined by plotting the profile of the bottom of the trench for pipe and/or structures, as indicated on the Drawings and the profile of the bottom of the trench for pipe and/or structures(s) in their final location and computing the difference in trench volume. The volume of additional trench excavation (in the case of additional payment to the Contractor) or reduced trench excavation (in the case of credit to the Owner) shall be measured using a constant width of trench equal to the outside pipe diameter plus two (2) feet for pipe and one (1) foot outside of walls for structure(s). The depth of the excavation shall be measured from subgrade elevation in cut areas and from two (2) feet above the outside top of pipe in embankment areas.

E. BEDDING

- (1) General Requirements - Bedding in trench for pipes (PVC and DIP) shall be as shown in Details SD-2A and SD-2B on Drawing SP-6 and as specified herein. Requirements for bedding shall be as follows:
 - (a) Select Bedding - shall consist of a bed of properly compacted granular bedding material (crushed stone) as specified having a compacted thickness of at least six (6) inches or one (1) foot (in unstable or unsuitable soil conditions) below the bottom of the pipe or conduit. Sand bedding (6" thickness if rock is encountered) shall be clean, well-graded sand consisting of hard, durable particles free from lumps of clay, loam and all other deleterious substances. Crushed stone bedding shall meet NYSDOT item numbers as noted on the plan details.

F. BACKFILLING

- (1) General Requirements - Upon approval by the Owner's Field Representative of bedding and pipe installation, and after proper inspection and tests have been made, excavations shall be backfilled by the Contractor with the type of backfill material specified in Details SD-2A and SD-2B on Drawing SP-6 as follows:
 - (a) Controlled Density Backfill - The Contractor will be required to use controlled low strength material (CLSM-NYSDOT Item No.

204.01 or 204.02) to backfill all trench excavations including North Riverside Drive in accordance with NYSDOT requirements

Where use of Standard Backfill is permitted, the material used to backfill the trench up to a level two (2) feet above the top of the pipe shall be approved clean earth and shall contain no stone or broken rock greater than one (1) inch in size. Above a level two (2) feet higher than the top of pipe, the material used for backfill shall be approved material, which may contain not more than fifteen (15) percent stone or broken rock with no stone or piece thereof exceeding four (4) inches in size. Such stone or broken rock shall be thoroughly mixed with the earth so that there will be no voids in the backfill.

- (2) Placement and Compaction - Backfill for pipe and conduit shall be placed evenly and carefully around and over the pipe or conduit in six (6) inch maximum layers. Each layer shall be thoroughly and carefully compacted until twelve (12) inches of cover exists over the pipe or conduit. The remainder of the backfill may then be placed and compacted in maximum twelve (12) inch layers. Each layer shall be compacted by approved mechanical tamping machines.

Backfill shall be compacted to not less than 92% Maximum Modified Density in accordance with ASTM Designation D-1557 in the manner herein described.

Backfill shall proceed up to the lines and grades as shown on the Drawings and/or as directed by the Owner's Field Representative. Backfill areas which settle shall be corrected by the Contractor to the satisfaction of the Owner's Field Representative at the Contractor's expense.

- (3) Removal of Sheeting - During backfill operations, no sheeting which is to be removed shall, at any time, extend into the backfill which is being compacted. The sheeting shall be withdrawn so as to always be above the backfill.

Any voids created while removing sheeting shall be immediately corrected by filling with select backfill material and compacting to the required density by the Contractor to the satisfaction of the Owner's Field Representative.

- (4) Protection - The Contractor shall be responsible for safeguarding all pipes, conduits and structures being backfilled, and any damage occurring to same either during the backfilling operations or after the backfilling operations have been completed shall be corrected by the Contractor to the satisfaction of the Owner's Field Representative at the Contractor's expense.

G. SHEETING, SHORING AND BRACING

- (1) General Requirements - At his own expense, the Contractor shall furnish, install and maintain such sheeting, shoring, bracing and cofferdamming,

etc., as may be needed to support the sides and roofs of excavations and to prevent any earth or rock movements which might in any way diminish or affect the necessary width of the excavation, endanger the safety of persons, injure or delay the Work, or jeopardize the safety of adjacent pavements, property, buildings or other structures. The work of sheeting, shoring and bracing shall, at all times, be in accordance with the requirements of all Authorities having jurisdiction, including OSHA.

- (2) Contractor to be Solely Responsible - The Contractor shall be entirely and solely responsible for the adequacy and sufficiency of all supports and of all sheeting, bracing, shoring, cofferdamming, etc. The Contractor shall assume entire and sole liability for damages on account of injury to persons, adjacent pavements, and public and private property including, but not limited to, the work under construction, buildings and other structures, which injury shall result directly or indirectly from the Contractor's failure to install or to leave in place adequate and sufficient supports, sheeting, bracing, shoring, cofferdamming, etc.

H. DISPOSAL OF WATER

- (1) General Requirements - The Contractor shall remove, by pumping or other means approved by the Owner's Field Representative, any surface or groundwater which may accumulate in excavations, and he shall at all times keep excavations dry while work is being done in them.

The water table shall be lowered below the bottom of the proposed excavation prior to making excavations extending below the water table. Any soil disturbed and which becomes unstable for support of pipes, foundations, structures, etc., shall be replaced by the Contractor as directed by the Owner's Field Representative and/or Geotechnical Engineer with an approved aggregate at the Contractor's expense.

- (2) Grading of Adjacent Areas - Areas adjacent to any excavation shall be graded so as to prevent water from running into the excavations.
- (3) Method of Disposal - The water from the excavations shall be disposed of in such a manner as will not cause injury or damage to the public health, public or private property, nearby streams, ditches, channels, rivers, water impoundment areas, the work contemplated or in progress, surfaces of the streets, nor cause any interference with the use of the same. The disposal of this water shall be done in a manner satisfactory to the Owner's Field Representative and/or Geotechnical Engineer and Authorities having jurisdiction.

Off-Site discharge shall adhere to all Local, State and Federal regulations.

- (4) Erosion Control - The Contractor is advised that all operations must conform to the Article of these Specifications entitled "Temporary Soil Erosion, Sediment and Dust Control".
- (5) Protection of Masonry and Concrete - Newly laid masonry and concrete shall be protected from damage resulting from dewatering operations by the use of canvas or other methods as may be approved. No water shall be allowed to run through newly laid masonry, concrete or pipes except with the approval of the Owner's Field Representative.

END OF ARTICLE 1

ARTICLE 2 - SANITARY SEWERS

1. DESCRIPTION

A. SCOPE

- (1) The Contractor shall provide all labor, plant, material and equipment necessary and required to install all of the sanitary sewer facilities in accordance with the Contract Documents. Work shall include, but not be limited to:
 - (a) Installation of the sanitary sewer system consisting of all manholes, pipe and all necessary and required accessory items and operations including connection(s) to existing sanitary sewer facilities.
 - (b) Alteration, reconstruction and/or relocation of existing sanitary sewer facilities as required.
 - (c) Installation of dwelling sanitary sewer service line(s) consisting of all pipe, fittings, and required accessory items and operations, including connection(s) to the proposed and/or existing sanitary sewer system.
 - (d) Installation of sanitary sewer facilities within the Public R.O.W. and/or easements.

B. OTHER REQUIREMENTS

- (1) In addition to the requirements specified herein, the Contractor shall comply with the requirements as specified on the Drawings.

2. CONSTRUCTION DETAILS

A. GENERAL

- (1) The Contractor shall install all sanitary sewer structures and pipe in the locations shown on the Drawings and/or as directed by the Owner's Field Representative. Pipe shall be of the type and sizes specified and shall be laid accurately to line and grade. Structures shall be accurately located and properly oriented.
- (2) The installation of all sanitary sewer structures and pipe shall conform to the requirements of all Authorities having jurisdiction.

- (3) The requirements of the Health Department and any other Authority having jurisdiction shall govern the horizontal and vertical separation of sanitary sewers from water lines.

B. TRENCH EXCAVATION AND BACKFILL

- (1) The provisions of the Article of these Specifications entitled "Trench Excavation and Backfill" shall govern all work under this Article.

C. STORAGE AND HANDLING

- (1) Storage - Storage of sanitary sewer pipe and appurtenances on the job shall be in accordance with the manufacturers' recommendations, subject to the approval of the Owner's Field Representative. Storage locations of pipe and appurtenances on the site shall be subject to the approval of the Owner's Field Representative.
- (2) Handling - All sanitary sewer pipe and appurtenances shall be protected against impact, shock and free fall, and only equipment of sufficient capacity and proper design shall be used in handling the pipe and appurtenances.

D. DAMAGE

- (1) General - Sanitary sewer pipe and appurtenances which are defective from any cause, including damage caused by handling, and determined by the Owner's Field Representative as unrepairable, shall be unacceptable for installation and shall be replaced by the Contractor at no cost to the Owner.

Sanitary sewer pipe and appurtenances that are damaged or disturbed through any cause prior to acceptance of the Work shall be repaired, realigned or replaced by the Contractor as directed by the Owner's Field Representative, at the Contractor's expense.

E. PIPE INSTALLATION

- (1) Laying Pipe - Each length of pipe shall be laid with firm, full and even bearing throughout its entire length, in a trench prepared and maintained in accordance with the details as shown on the Drawings and the Article of these Specifications entitled "Trench Excavation and Backfill". Pipe shall be laid upgrade with bells uphill unless otherwise directed by the Owner's Field Representative.

Every length of pipe shall be inspected and cleaned of all dirt and debris before being laid. The interior of the pipe and the jointing seal shall be free from sand, dirt and debris before installing

the line. Extreme care shall be taken to keep the bells of the pipe free from dirt and debris so that joints may be properly assembled without overstressing the bells. No pipe is to be trimmed or chipped to fit.

No length of pipe shall be laid until the preceding lengths of pipe have been thoroughly embedded in place, so as to prevent movement or disturbance of the pipe.

- (2) Full Lengths of Pipe - Only full lengths of pipe are to be used in the installation except that partial lengths of pipe may be used at the entrance to structures where necessary to obtain a proper connection to the structure.
- (3) Pipe Entrances to Structures - All pipe entering structures shall be cut flush with the inside face of the structure, and the cut ends of the pipe and surface of the structure shall be properly rounded and finished so that there will be no protrusion, ragged edges, or imperfections that will impede the flow or affect the hydraulic characteristics of the installation. The method of cutting and finishing shall be subject to the approval of the Owner's Field Representative. Connections shall be made watertight by the use of approved rubber seals.
- (4) Bedding and Backfilling - The type of materials to be used in bedding and backfilling and the method of placement shall conform to the requirements of the Article of these Specifications entitled "Trench Excavation and Backfill" and as shown on the details of the Drawings.
- (5) Protection During Construction - The Contractor shall protect the installation at all times during construction. Movement of construction equipment, vehicles and loads over and adjacent to any pipe shall be done at the Contractor's risk.

At all times when pipe laying is not in progress, all open ends of pipes shall be closed by approved temporary watertight plugs. If water is in the trench when work is resumed, the plug shall not be removed until the trench has been pumped dry and all danger of water entering the pipe has been eliminated.

The Contractor shall furnish a sufficient pumping plant and shall provide and maintain at his own expense satisfactory drainage wherever needed in the trench and other excavations during the progress of the Work and at its completion for final inspection. No pipe or other structure shall be laid in water and water shall not be allowed to flow or rise under any concrete or other masonry. All water pumped or bailed from the trench or other excavation shall be conveyed in proper manner to a suitable point of discharge. The flow in all sewers, drains and watercourses encountered on the Work and in gutters along the sides of or across the Work shall be entirely provided for, both temporarily and permanently, as required, by the Contractor at his expense. All offensive water shall be removed from the Work at once.

(6) Grade and Alignment

- (a) Gravity Sewers – Pipe for sanitary sewer gravity lines shall be laid accurately to the line and grade shown on the Drawings and/or as directed by the Owner's Field Representative. Each section of pipe shall be checked for line and grade after being laid. A survey instrument shall be used at all times during pipe laying operations, and all adjustments which must be made shall be made by removing material or filling with select bedding material under the barrel of the pipe as necessary and not by wedging or blocking any portion of the pipe. Deviations from line and grade shall be a basis for rejection of the line of pipe by the Owner's Field Representative. Any line which has been rejected shall be rebuilt to the correct line and grade by the Contractor at his own expense.

F. PIPE JOINTS

- (1) All joints are to be made watertight in accordance with the requirements specified herein and on the Drawings.
- (2) Unless otherwise permitted, jointing of all pipe and fittings shall be done entirely in the trench.

G. STRUCTURES

- (1) General Requirements - All sanitary sewer structures shall be built in accordance with the details and at the locations shown on the Drawings and as specified herein. Where a specific material of construction is indicated, no substitution will be allowed unless authorized in writing by the Owner's Field Representative and/or Site Engineer. Where more than one type of material of construction is indicated, the Contractor shall have the option of constructing the structure of any one of the materials specified. Precast concrete structures shall require shop drawing submission for review by the Site Engineer.

Cast-in-place concrete and/or masonry shall not be laid when the temperature is below 40 degrees F., or when indications are for lower temperatures within 24 hours, unless protection of concrete and masonry is approved by the Owner's Field Representative. In this event, the Contractor shall take measures to prevent concrete and masonry from being exposed to freezing temperatures for a period of not less than five (5) days after installation. Approval of the method of protection by the Owner's Field Representative shall not relieve the Contractor of his responsibility to protect the concrete and masonry from freezing, and any damage to the structure because of freezing shall be corrected by the Contractor at his own expense, to the satisfaction of the Owner's Field Representative.

All cast-in-place concrete and masonry shall be installed by personnel experienced and skilled in this work, and any person not deemed to be such by the Owner's Field Representative shall be removed and replaced by a person so qualified.

Sanitary sewer structures are to be constructed as soon as the pipe laying reaches the location of the structures. Should the Contractor continue his pipe laying without making provision for completion of the structures, the Owner's Field Representative shall have the authority to stop the pipe laying operations until the structure is completed.

In constructing manholes and other sanitary sewer structures, the Contractor shall accurately locate each structure and set accurate templates to conform to the required line and grade. Any structure which is mislocated or oriented improperly shall be removed and rebuilt in its proper location, alignment and orientation at the Contractor's expense.

The Contractor shall use extreme care in the handling of precast concrete structures. Any damage occurring to the precast concrete structures due to carelessness in handling or due to any of the Contractor's operations shall be repaired or replaced by the Contractor at his own expense to the complete satisfaction of the Owner's Field Representative and Site Engineer.

Unless otherwise specified, all structures shall be constructed on concrete foundations. All foundations shall rest on firm soil of uniform bearing. If the soil beneath the foundation is unsuitable, the Contractor shall remove this unsuitable material as directed by the Owner's Field Representative and/or Geotechnical Engineer and replace it with and approved properly compacted granular backfill material conforming to the requirements of the Article of these Specifications entitled "Trench Excavation and Backfill" to the bottom elevation of the structure.

Pipe connections to structures shall be made watertight.

- (2) Cast-in-Place Concrete Structures - Cast-in-place concrete structures shall be constructed of Class "A" concrete with reinforcing as shown in detail on the Drawings and as specified herein.

Material and construction requirements shall be as specified under the Article of these Specifications entitled "Site Concrete".

- (3) Precast Concrete Structures - Precast concrete structures shall be installed only after shop drawings have received final review by the Site Engineer. All precast concrete structures shall be designed and fabricated for an

H-20 loading.

The base of the precast concrete structures shall be set on a foundation pad of crushed stone eight (8) inches in compacted thickness. Foundations of all precast concrete structures shall rest on firm soil of uniform bearing. If soil beneath the foundation is unsuitable, the Contractor shall remove the unsuitable material as directed by the Owner's Field Representative and/or Geotechnical Engineer and replace it with and approved properly compacted granular material

conforming to the requirements of the Article of these Specifications entitled "Trench Excavation and Backfill" to the bottom elevation of the crushed stone pad.

Provisions shall be made for installation of approved watertight connections at pipe entrances to precast concrete structures.

The precast concrete top section shall be set sufficiently below finished grade to permit adjustment of the casting using brick or precast concrete adjustment rings as risers to adjust the grade of the casting (minimum 4" – maximum 12" adjustment). Manhole frames shall be set on a grout pad as specified hereinabove.

- (4) Shallow Circular Structures - For shallow circular structures, the top conical section shall be replaced by a flat reinforced concrete slab with the proper size opening to accommodate the specified casting. The reinforced concrete slab shall have a minimum thickness of six (6) inches and shall be designed and fabricated for a H-20 loading. In general, and unless otherwise specified or directed by the Owner's Field Representative and/or Site Engineer, the flat slab top shall be used for circular structures whose depth from pipe invert to finished grade is five (5) feet or less.
- (5) Inverts - Smooth invert channels shall be constructed in all manholes. Unless otherwise specified, invert channels shall be constructed of concrete.

If brick inverts are specified or permitted, special care shall be taken in laying brick inverts. Joints shall not exceed three-sixteenth (3/16) inch in thickness and each brick shall be carefully laid in full cement mortar joints on bottom, sides and ends in one operation. No grouting or working in of mortar after laying of the brick shall be permitted.

Extreme care shall be taken by the Contractor to construct invert channels to the shape, elevations and dimensions shown, specified or ordered by the Owner's Field Representative and/or Site Engineer.

When a curve in the invert channel or some other condition prevents the use of channels as shown on the Drawings, then such channels shall be constructed in accordance with the directions of the Owner's Field Representative and/or Site Engineer.

When pipes entering and leaving a manhole are of different diameters, the invert channel shall be constructed so as to provide a smooth transition from the inflow pipe(s) to the outflow pipe.

The invert channel shall be carried up to the elevations shown on the Drawings and/or as directed by the Owner's Field Representative. Channels shall slope smoothly and evenly from the inflow pipe(s) to the outflow pipe.

Invert channels shall be built for future extensions where shown on the Drawings and/or where directed by the Owner's Field Representative.

- (6) Frames and Covers - Frames and covers for sewer structures shall be of the types and sizes indicated on the Drawings. Frames shall be well bedded in mortar and shall be set accurately to the correct alignment and grade. In areas to be paved, frames shall be set by using four (4) points of reference, set 90 degrees apart, to insure accurate setting to proposed pavement grade.
- (7) Steps - Steps shall be installed in all manholes. Steps shall be set securely in place during fabrication of the wall section for precast concrete structures. Spacing of steps shall be as shown in detail on the Drawings.

H. CONNECTIONS TO EXISTING FACILITIES

- (1) General Requirements - The Contractor shall make all required connections of the proposed sanitary sewer into existing sanitary sewer facilities where and as shown on the Drawings and/or as directed by the Owner's Field Representative.
- (2) Compliance with Requirements of Owner of Facility - Connections made into existing sanitary sewer facilities owned by others shall be done in accordance with the requirements of the owner of the facility. The Contractor shall be required to comply with all such requirements, including securing of all required permits, and paying the costs thereof. The cost of making the connections in accordance with the requirements of the owner of the existing facility shall be included in the Contract Sum.

I. ALTERATION AND/OR RECONSTRUCTION OF EXISTING STRUCTURES

- (1) General Requirements - Existing structures shall be altered and/or reconstructed where as shown on the Drawings, and/or directed by the Owner's Field Representative. In general, alterations shall be made with the same type of material used in the original construction unless otherwise indicated on the Drawings or directed by the Owner's Field Representative.
- (2) Adjustment to New Grade and Alignment - All castings on existing structures that are to remain shall be adjusted to new grade and alignment. When such adjustment is required the castings shall be carefully removed and the walls of the structures reconstructed as required. The castings shall be cleaned and reset in a firm mortar bed to the new grade and alignment. Existing castings which are broken, damaged or otherwise unfit for incorporation into the new work shall be replaced under the Contract Sum.

- (3) Removal of Portions of Walls of Existing Structures - In all cases of alteration and/or reconstruction of existing structures, existing walls shall be removed to a point where the existing walls will provide sound and adequate foundation for the construction of the new walls as determined by the Owner's Field Representative.
- (4) Reconstruction and/or Rebuilding of Existing Invert - Where new pipes are to be installed into an existing structure, the existing invert shall be reconstructed and/or rebuilt as directed to accommodate installation of the new pipes and provide for proper transition of flows into and out of the structure.
- (5) Damage to Existing Structure and/or Pipe - Extreme care shall be exercised by the Contractor during such alteration and/or reconstruction so as not to damage any portions of the structure and/or pipe shown to remain. Any such damage shall be repaired by the Contractor at his own expense, to the satisfaction of the Owner's Field Representative.
- (6) Structures to be Cleaned - Upon completion of alteration and/or reconstruction of existing structures, all structures shall be cleaned of any accumulation of silt, debris or foreign matter of any kind and shall be kept clean of such accumulation until final acceptance of the work.

J. RELOCATION AND/OR ABANDONMENT OF EXISTING FACILITIES

- (1) The Contractor shall not abandon, disconnect, obstruct or in any other way interfere with the operation of an existing sewer facility until such time as adequate permanent or temporary substitute facilities have been constructed and placed in operation. All manholes to be abandoned shall be filled with K-Crete in accordance with the Village of Croton-on-Hudson requirements. The abandoned pipes are to remain in place.

K. SERVICE LINES

- (1) General Requirements - The Contractor shall make all required connection(s) of the dwelling sanitary sewer service line(s) into the sanitary sewer system where and as shown on the Drawings and/or as directed by the Owner's Field Representative. Work shall include making the service line connection(s) into the sanitary sewer system, furnishing and installing all service line pipe from the sanitary sewer system to point(s) shown on the Drawings. Work shall also include final connection(s) of the new sanitary sewer service line(s) to the existing lines. The connection(s) shall be made utilizing proper fittings compatible

with the building service line(s) providing watertight connection(s) and shall be done at no additional cost to the Owner.

L. TESTS

- (1) General Requirements - The Contractor shall test the completed sanitary sewer for leakage and deflection as specified herein. In the event of conflict between the test requirements specified herein and the test requirements of Authorities having jurisdiction over all or any portion of the sanitary sewer installed under this Contract, the more restrictive requirements shall govern.

The tests shall be conducted by the Contractor, as directed by the Owner's Field Representative and Site Engineer, and the Contractor shall furnish all necessary equipment, materials and labor for the tests as specified.

The Contractor shall notify the Owner's Field Representative and Site Engineer at least 48 hours prior to the start of testing. Testing shall be done only in the presence of the Owner's Field Representative and Site Engineer.

Runs of pipe and/or manholes tested for leakage prior to completion of the Project shall be subject to additional leakage tests, if warranted, in the opinion of the Owner's Field Representative or Site Engineer.

- (2) Gravity Sewers - shall be tested as follows:
 - (a) Leakage Tests - The test length intervals and type of leakage test shall be approved by the Owner's Field Representative and Site Engineer. In the case of sewers laid on steep grades, the length of line to be tested by exfiltration at any one time may be limited by the maximum allowable internal pressure on the pipe and joints at the lower end of the line. Depending on field conditions and/or desire of the Contractor, the following tests for leakage may be employed:
 1. Hydrostatic Test

The test period, wherein the measurements are taken shall not be less than four (4) hours in either type of test. The total leakage of any section tested shall not exceed the rate of 100 gallons per mile of pipe per 24 hours per inch of nominal pipe diameter. For purposes of determining the maximum allowable leakage, manholes shall be considered as sections of pipe and shall be tested at a level above the highest joint prior to the concrete/rim connection.

- (i) Infiltration Test - This test may be used only when ground water levels are at least two (2) feet above the top of the pipe for the entire length of the section to be tested during the entire period of the test. Ground water levels may be measured in an open trench or in standpipes previously placed in backfilled trenches during the backfilling operations. When standpipes are installed in the backfill for ground water measurement, the lower ends of these shall be satisfactorily embedded in a mass of crushed stone or gravel to maintain free percolation and drainage. Infiltration through joints shall be measured by using a watertight weir or any other approved device for volumetric measurement installed at the lower end of the section under test.

- (ii) Exfiltration Test - This test consists of filling the pipe with water to provide a head of at least two (2) feet above the top of the pipe or two (2) feet above ground water, whichever is higher, at the highest point of the pipe line under test, and then measuring the loss of water from the line by the amount which must be added to maintain the original level. In this test the line must remain filled with water for at least twenty-four (24) hours prior to the taking of measurements. Exfiltration shall be measured by the drop of water level in a closed-end standpipe or in one of the sewer manholes available for convenient measuring.

When a standpipe and plug arrangement is used in the upper manhole of a line under test, there must be some positive method of releasing entrapped air in the sewer prior to taking measurements.

- 2. Vacuum Testing of Manholes – shall conform to the requirements of ASTM Designation C-1244 "Standard Test Method for Concrete Sewer Manholes by Negative Air Pressure (Vacuum) Test Prior to Backfill".

- 3. Low-Pressure Air Test of Plastic Pipe Lines – shall conform to the requirements of ASTM Designation F-1417 "Standard Test Method for Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air".

- (b) Deflection Tests - The Contractor shall test all thermoplastic main line pipe by use of a calibrated mandrel or other device approved by the Owner's Field Representative to ensure that no pipe deflection has occurred greater than 5 percent of the inside diameter of the pipe. The Contractor shall test the entire length of the sewer installed. Any pipe section exhibiting greater than 5 percent deflection shall be replaced and retested, at no additional cost to the Owner. If a second deflection test is required, it will be at the Contractor's expense.

- (4) Correction of Defective Work - If the tests exceed the specified amount, the Contractor shall, at his own expense, make the necessary repairs or replacements required to permanently reduce the leakage and/or deflection to within the specified limit, and the tests shall be repeated until the test requirements are met. All additional tests required by the Owner and Authorities having jurisdiction shall be at the Contractor's expense.

Any defects found in the sanitary sewers shall be made good by and at the expense of the Contractor so as to conform strictly to the Specifications and to the satisfaction of the Owner's Field Representative. All repairs shown necessary by the tests shall be made, broken or cracked pipe replaced, all deposits removed, and the sanitary sewers left true to line and grade and entirely clean, free from lumps of cement, protruding gaskets, bulkheads, etc., and ready for use before final acceptance shall be made by the Owner.

M. CLEANING AND REPAIR

- (1) The Contractor will be required to clean the entire sanitary sewer system of all debris and obstructions. This shall include, but not be limited to, removal of all formwork from structures, concrete and mortar droppings, construction debris and dirt. The system shall be thoroughly flushed clean and the Contractor shall furnish all necessary hose, pumps, pipe and other equipment that may be required for this purpose. No debris shall be flushed into existing sanitary sewers or streams. All debris shall be removed from the system.

After the system has been cleaned, the Contractor shall thoroughly inspect the system and all repairs shown to be necessary shall be promptly performed by the Contractor.

All work of cleaning and repair as specified herein shall be performed at the Contractor's expense and to the complete satisfaction of the Owner's Field Representative.

N. FINAL INSPECTION

- (1) Upon completion of the Work and before final acceptance by the Owner, the entire sanitary sewer system shall be subjected to a final inspection in the presence of the Site Engineer and/or Owner's Field Representative.

The work shall not be considered complete until all requirements for line, grade, cleanliness, tests and workmanship have been met.

3. MATERIALS

The materials to be used in the construction shall be those indicated on the Drawings and specified herein, and the Contractor shall supply to the Owner's Field Representative, prior to installation, certificates of compliance for the materials used. The Contractor shall also submit shop drawings and catalog cuts of all sanitary sewer items and appurtenances (pipe, fittings, castings, steps, precast concrete structures, etc.) to the Site Engineer for review prior to ordering.

A. SANITARY SEWER PIPE, FITTINGS AND JOINTS

- (1) Polyvinyl Chloride Pipe and Fittings For Gravity Lines (PVC) - shall conform to the requirements of ASTM Designation D-3034 for SDR-35 extra strength pipe and fittings. Pipe shall have integral wall bell and spigot joints. Assembly shall be by means of push-on joints using flexible elastomeric seals conforming to ASTM Designation D-3212.

All fittings and accessories shall be furnished by the pipe manufacturer. Joint lubricant shall be as recommended by the pipe manufacturer.

B. STRUCTURES

- (1) General - Where material requirements specified hereinafter conflicts with the requirements of those Authorities having jurisdiction, the requirements of the Authority having jurisdiction shall govern.
- (2) Brick - shall conform to the "Specifications for Sewer and Manhole Brick (made from Clay or Shale)", AASHTO Designation M-91, Grade MS.
- (3) Concrete Block - shall be solid block and shall conform to the "Specifications for Concrete Masonry Units for Construction of Catch Basins and Manholes," ASTM Designation C-139.
- (4) Precast Concrete Structures - Prior to fabrication, the Contractor shall submit four (4) sets of plans of the proposed precast concrete structures to the Site Engineer for review along with design criteria and certification from the manufacturer by a licensed Professional Engineer registered in the State in which the Work is performed that the structure will support the design load. All precast concrete structures shall be designed and fabricated for an H-20 loading. The minimum compressive strength of the concrete used for all precast concrete structures shall be 4,000 psi.

Precast concrete manhole sections shall conform to ASTM Designation C-478. Precast concrete square or rectangular box structures shall conform to ASTM Designation C-913.

Joints in the structures shall be tongue and groove joints, formed in such a manner so that a watertight rubber seal can be applied. Joints for precast concrete manhole sections shall conform to ASTM Designation C-443 or ASTM designation C-990. Joints for precast concrete box sections shall conform to ASTM Designation C-990. Provisions shall be made for installation of approved watertight connections to precast concrete structures.

Where steps are required in structures, steps shall be installed during the casting of the structures, aligned as specified herein. Steps shall be spaced 12 inches vertically on-centers, and shall be arranged so that the lowest rung is no more than 15 inches above the bench in structures with an invert and above the bottom of the structures with no invert. The top rung is to be installed no more than 24 inches below the top of the casting. Steps shall be arranged out of the alignment of the pipes and/or floor channel and shall be centered in the opening of the cover.

No precast concrete structure shall be fabricated or delivered to the job site until it has received final review status by the Site Engineer. All structures shall have an identifying number and manufacturer's name on each section.

When precast concrete structures are to be used, the Contractor shall bear all responsibility for the proper locations and sizes of all openings to receive the pipe. Final review of shop drawings by the Site Engineer shall not relieve the Contractor of his responsibility in this matter.

- (5) Manhole Frames and Covers - shall be as specified on the Drawings. Castings shall be gray cast iron, American made by a nationally recognized casting manufacturer conforming to the requirements of AASHTO Designation M-105, Class 30, and shall be true to pattern in form and dimensions as specified, and shall be free from pouring faults, sponginess, cracks, blowholes and other defects that affect their strength and other characteristics for the intended use. All surfaces shall have a workmanlike finish.

All component parts shall fit together in a satisfactory manner and frames and covers shall be of a design that will prevent rocking or rattling under traffic. Frames and covers that are warped or rocking, as determined by the Owner's Field Representative, shall be rejected and shall be removed and replaced to the satisfaction of the Owner's Field Representative at no cost to the Owner.

Unless otherwise specified, the word "SEWER" shall be integrally cast on the cover in raised letters and centered. Letter size shall be two (2) inches.

If directed, and at no additional cost to the Owner, castings shall be coated with an asphalt paint which shall result in a smooth coating and not be tacky or brittle.

- (6) Concrete and Reinforcing - shall conform to the requirements as specified herein under the Article entitled "Site Concrete".

- (7) Mortar - shall be composed of one (1) part Portland cement and two (2) parts sand by volume. Material requirements shall be as follows:
- (a) Portland Cement - shall conform to the requirements of AASHTO Designation M-85.
 - (b) Mortar Sand - shall conform to the requirements of AASHTO Designation M-45, except that aggregate shall be no coarser than #8 sieve size.
 - (c) Water - shall be clean and shall not contain any oil, acid, alkali, salts, vegetable matter, organic matter or other deleterious substances. When possible, water shall be from a municipal system.

Hand mixing of mortar will be permitted only when, in the opinion of the Owner's Field Representative, the amount of mortar to be used makes machine mixing undesirable. When hand mixing is used, the ingredients must first be thoroughly mixed dry in a tight box. The proper quantity of clean water shall then be gradually added, and the materials shall be hoed or worked until a uniform mixture is secured. Admixtures may be added only with the prior written consent of the Owner's Field Representative.

No greater quantity of mortar is to be prepared than is required for immediate use, and it shall be worked over constantly with hoe or shovel until used. No mortar shall be retempered, and none shall be used more than one and one-half (1-1/2) hours after mixing. All mortar which remains upon stopping work shall be discarded.

- (8) Steps - Steps in sanitary sewer structures shall be as specified herein and on the details of the Drawings and shall meet the requirements for steps and ladders as specified under ASTM Designation C-478.
- (a) Malleable or Ductile Cast Iron - shall be designed for a minimum design live load of a single concentration of 300 pounds. Material shall be of Iron, Class 25A, in accordance with ASTM Designation A-48 or Malleable Iron, Grade 35018 in accordance with ASTM Designation A-47.
 - (b) Plastic Coated Steel - shall be No. 4 deformed reinforcement bar meeting the requirements of ASTM Designation A-615, Grade 60 which shall be coated with polypropylene plastic meeting the requirements of ASTM Designation D-2146 for Type II, Grade 49108.

All steps shall be true to pattern, form dimensions, and free from defects which would affect their strength. Steps having defects filled with putty or cement of any kind shall be rejected.

C. IDENTIFICATION

- (1) Detectable Marking Tape – Marking tape shall be a composite plastic metallic tape, at least 5 mils in thickness with impervious plastic film on both sides and aluminum foil in the center. The minimum tensile strength shall be 185 pounds. The tape shall be at least 3 inches in width, colored green and shall be permanently printed on both sides "CAUTION SEWER LINE BURIED BELOW".

END OF ARTICLE 2

ARTICLE 3 - WATER LINES

1. DESCRIPTION

A. SCOPE

(1) Work under this Article of the Specifications shall consist of providing all labor, plant, material and equipment necessary and required to install all of water distribution and service line facilities in accordance with the Contract Documents. Work shall include, but not be limited to:

(a) Installation of water distribution system consisting of all pipe, fittings, valves, valve boxes, hydrants, harnessing, anchor and/or thrust blocks, and all necessary and required appurtenances, accessory items and operations including connections to the existing water mains.

(b) Installation of water service lines, consisting of all pipe, fittings, valves and valve boxes, curb stops and all necessary and required accessory items and operations, including connections to the water distribution system and connections of existing service lines to new service lines where and as directed.

(c) Testing and Disinfection.

B. OTHER REQUIREMENTS

(1) In addition to the requirements specified herein, the Contractor shall comply with the requirements as specified on the Drawings.

2. CONSTRUCTION DETAILS

A. GENERAL

(1) The Contractor shall install all water line pipe, fittings and appurtenances in the locations as shown on the Drawings and/or as directed by the Owner's Field Representative. Pipe and fittings shall be of the type and sizes specified and shall be laid accurately to line and grade. Hydrants, valves and all other water line appurtenances shall be accurately located and properly oriented.

(2) The installation of all water lines shall conform to the requirements of all agencies having jurisdiction.

(3) The requirements of the State and County Departments of Health and any other agency having jurisdiction shall govern the horizontal and vertical separation of water lines from sanitary sewers and storm drains. Crossings of water main with existing sanitary sewers and storm drains

shall conform to the New York State Department of Health Recommended Standards for Water Works, Part 8.6 and as shown in detail on the Drawings.

(4) The requirements of the State and County Departments of Health and any other agency having jurisdiction shall also govern the hydrostatic testing and disinfection of the water line.

(5) The Contractor shall not operate any valves on the existing water distribution system. These valves shall be operated only by authorized Village personnel.

B. TRENCH EXCAVATION AND BACKFILL

(1) The provisions of the Article of these Specifications entitled "Trench Excavation and Backfill" shall govern all work under this Article.

C. STORAGE AND HANDLING

(1) Storage - Storage of pipe, fittings, valves, hydrants and other water line appurtenances on the job shall be in accordance with the manufacturers' recommendations, subject to the approval of the Owner's Field Representative. Location of storage areas at the sites shall be subject to the approval of the Owner's Field Representative.

(2) Handling - All pipe, fittings, valves, hydrants and other water line appurtenances shall be protected against impact, shock and free fall, and only equipment of sufficient capacity and proper design shall be used in their handling. Special care shall be taken to prevent damage to pipe coatings. The interior of the pipe shall be cleaned before being laid and shall be kept clean until accepted.

All material shall be carefully inspected for defects in workmanship and materials; all debris and foreign material cleaned out of valve openings, etc.; all operating mechanisms operated to check their proper functioning; and all nuts and bolts checked for tightness. Valves, hydrants and other equipment which do not operate easily or are otherwise defective shall be repaired or replaced to the satisfaction of the Owner's Field Representative and Site Engineer at the Contractor's expense.

D. DAMAGE

(1) General - Pipe, fittings, valves, hydrants and other water line appurtenances which are defective from any cause, including damage caused by handling, and determined by the Owner's Field Representative as unrepairable, shall be unacceptable for installation and shall be replaced by the Contractor at no cost to the Owner as directed by the Owner's Field Representative.

(2) Damage to Bituminous Coatings - Whenever the bituminous coating of pipe or fittings shall be found to have been damaged or rubbed off to an unusual extent, the part shall be thoroughly cleaned and recoated by the Contractor at his own expense with a compatible asphalt material satisfactory to the Owner's Field Representative and Site Engineer, and the Contractor shall keep on hand a suitable supply for this purpose.

(3) Damage Due to Cutting - All cutting of ductile iron and cast-iron pipe shall be done with an approved power-driven or mechanical cutter. All cut ends shall be thoroughly examined for possible cracks caused by cutting, and any cut pipe found to have such cracks shall be rejected. The cut ends of all pipe shall be beveled and ground smooth.

(4) Inspection for Damage - All pipe and fittings shall be subjected to a careful inspection and proper testing just before being laid. Any pipe, fitting or appurtenance which shows a crack or which has received a severe blow that may have caused an incipient fracture even though no such fracture can be seen, shall be marked as rejected and removed at once from the Work, and no payment will be made therefore.

(5) Damage Prior to Acceptance - Pipe, and all water line appurtenances that are damaged or disturbed through any cause prior to acceptance of the Work shall be repaired, realigned or replaced as directed by the Owner's Field Representative, at the Contractor's expense.

E. PIPE INSTALLATION

(1) Laying Pipe - Each length of pipe shall be laid with firm, full and even bearing throughout its entire length, in a trench prepared and maintained in accordance with the details on the Drawings and the Article of these Specifications entitled "Trench Excavation and Backfill". Pipe shall be laid upgrade with bells uphill unless otherwise directed by the Owner's Field Representative, with the top of pipe at a minimum depth as specified hereinafter, except where otherwise noted on the Drawings or directed by the Owner's Field Representative.

No pipe, valve, blow-off or fitting shall be laid on wood blocks. Similarly, no pieces of rock, brick, or other material other than earth or gravel shall be left under or adjacent to the pipe. Pipe laying, in general, shall conform to the latest Standard Specifications of the AWWA for laying ductile iron pipe.

Generally, trenches shall not be opened for more than 100 feet in advance of pipe laying nor left unfilled for more than 50 feet in the rear of pipe laying or as directed by the Owner's Field Representative. New trenches will not be permitted when earlier trenches require backfilling.

Every length of pipe shall be inspected and cleaned of all dirt and debris before being laid. The interior of the pipe and the jointing seal shall be free from sand, dirt and debris before installing in the line. Extreme care shall be taken to keep the bells of the pipe free from dirt and debris so that joints may be properly assembled.

No length of pipe shall be laid until the preceding lengths of pipe have been thoroughly embedded in place, to prevent movement or disturbance of the pipe.

(2) Bedding and Backfilling - The type of materials to be used in bedding and backfilling and the method of placement shall conform to the requirements of the Article of these Specifications entitled "Trench Excavation and Backfill" and as shown on the details of the Drawings.

(3) Protection During Construction - The Contractor shall protect the installation at all times during construction, and movement of construction equipment, vehicles and loads over and adjacent to any pipe shall be done at the Contractor's risk.

At all times when pipe laying is not in progress, all open ends of pipes shall be closed by approved temporary watertight plugs. If water is in the trench when work is resumed, the plug shall not be removed until the trench has been pumped dry and all danger of water entering the pipe has been eliminated.

The Contractor shall furnish a sufficient pumping plant and shall provide and maintain at his own expense satisfactory drainage wherever needed in the trench and other excavations during the progress of the Work and at its completion for final inspection. No pipe or other structure shall be laid in water, and water shall not be allowed to flow or rise under any concrete or other masonry. All water pumped or bailed from the trench or other excavation shall be conveyed in proper manner to a suitable point of discharge. The flow in all sewers, drains and watercourses encountered on the Work and in gutters along the sides of or across the work shall be entirely provided for, both temporarily and permanently, as required, by the Contractor at his expense. All offensive water shall be removed from the Work at once.

(4) Pipe Deflection - The following table indicates the maximum allowable deflection for ductile iron water pipe of various sizes laid without fittings:

Pipe Diam.	Maximum Allowable Deflect 18'-20' Pipe Lengths	
	Push on Joints	Mechanical Joints
6"	12.0"	15.0"
8"	12.0"	12.0"
10"	12.0"	12.0"

(5) Cover on Main - The water main shall be laid so as to provide a minimum cover of four (4) feet below finished grade. The Contractor is advised that at pipe crossings, minimum cover of four (4) feet must be maintained and also proper clearance between pipes must be maintained. No additional payment will be made for increased depth of trench to comply with crossing requirements.

F. JOINTS

(1) All joints are to be made water-tight and pressure-tight in accordance with the requirements specified herein.

(2) Pipe and fittings shall be jointed in strict accordance with the manufacturer's instructions. Jointing of all pipe and fittings shall be done entirely in the trench.

(3) Joints for ductile iron water pipe and fittings shall be as specified, in accordance with the requirements set forth in the Section of this Article entitled "Materials" under "Ductile Iron Pipe (DIP)" and "Fittings".

Except as otherwise specified herein, all sections of the pipe to be joined shall have a bell end and a plain end. Installation of cut sections of pipe without a bell end will not be allowed, except as specifically authorized by the Owner's Field Representative and/or Site Engineer in instances where repairs are to be made or pipe closures are required. In such instances, the design of the joint shall be as approved by the Site Engineer.

When it is necessary to deflect pipe in either a horizontal or vertical plane, the amount of deflection shall not exceed the maximum allowable deflection specified herein under paragraph 2.E(4) entitled "Pipe Deflection."

Where specified or directed, joints shall be restrained and/or harnessed in accordance with the requirements set forth hereinafter.

G. RESTRAINING DEVICES

(1) At hydrants, the installation shall be harnessed in accordance with the detail shown on the Drawings and/or as directed by the Owner's Field Representative.

(2) The installation of restrained joints and harnessing shall be as approved by the Site Engineer and the Village of Croton-on-Hudson.

H. WATER LINE APPURTENANCES

(1) Fittings

(a) Fittings shall be of the types and sizes specified, and shall be furnished and installed in the locations shown on the Drawings, specified or ordered.

(b) Fittings to be used for water lines shall be cement-lined ductile iron fittings in accordance with the requirements set forth in the Section of this Article entitled "Materials" under "Fittings".

(c) Fittings shall be used at all breaks in grade or alignment where deflection of the pipe exceeds the maximum allowable deflection as specified herein under Paragraph 2.E(4) entitled "Pipe Deflection." Only proper fittings shall be used to obtain the required deflection. Assemblies of small deflection fittings, joined together to provide larger deflections shall not be allowed.

(d) Fittings shall be properly restrained where shown, specified or ordered by the Owner's Field Representative and/or Site Engineer.

(2) Gate Valves and Valve Boxes

(a) Gate valves shall be installed on all water lines where and as shown on the Drawings and as specified herein. Unless otherwise stated, valves shall be of the same size as the line. Prior to

installation, all valves shall be checked to ensure that the valve opens in a counter-clockwise direction.

(b) Gate valves shall be installed on all hydrant laterals where and as shown on the Drawings.

(c) Gate valves shall be properly restrained where shown, specified or ordered by the Owner's Field Representative and/or Site Engineer.

(d) Valves shall be installed on all service lines in the locations shown and/or where directed by the Owner's Field Representative.

(e) Valve boxes shall be placed over all buried valves. Valve boxes shall be placed so as not to transmit vehicle loads or shock to the valves and shall be centered and set plumb over the operating nut of the valve. The cover of the box shall be set even with finished grade.

(3) Hydrants

(a) Hydrants shall be installed where and as shown on the Drawings and as specified herein. All hydrant assemblies shall be harnessed as specified herein under Subarticle 2.G.(4) entitled "Harnessing" and as shown in detail on the Drawings.

(b) Hydrants shall be installed vertical and plumb, with the proper cover over the hydrant lateral and proper vehicular clearance from curb line and/or edge of pavement. The installation shall provide proper access for fire department connections.

(c) Hydrants and their installation shall conform to the requirements of the Village of Croton-on-Hudson and Fire Department.

(4) Harnessing

(a) All plugs, caps, hydrant assemblies, dead-ends and other fittings as may be directed shall be harnessed to adjacent pipe with steel clamps and tie rods as shown on the Drawings and/or as directed. Harnessing shall be extended beyond the adjacent pipe where and as shown on the details and/or as directed to provide proper length of restrained pipe.

(b) No separate payment shall be made for the harnessing of the joints. Payment shall be considered as being included in the unit prices bid for the various items of the Contract.

(5) Concrete Blocking

(a) Where pipes change horizontal and vertical direction, at hydrants, tees and other fittings, and whenever abnormal thrust forces are developed, the Contractor shall construct thrust and/or anchor blocks as detailed on the Drawings. They shall be constructed of Class "A" concrete, of minimum dimensions as detailed on the Drawings or of adequate size to suit actual conditions to withstand the pressures anticipated, and shall be founded in virgin soil.

(b) No separate payment shall be made for the concrete blocking. Payment shall be considered as being included in the unit prices bid for the various items of the Contract.

I. CONNECTIONS TO EXISTING FACILITIES/ABANDONMENT OF EXISTING FACILITIES

(1) General Requirements - The Contractor shall make all required connections of the proposed water line facilities into existing water line facilities, where and as shown on the Drawings and/or as directed by the Owner's Field Representative.

(2) Compliance with Requirements of Owner of Facility - Connections made into existing water line facilities shall be done in accordance with the requirements of the owner of the facility. The Contractor shall be required to comply with all such requirements, including securing of all required permits, and paying the costs thereof.

The fees for permits obtained from the Village of Croton-on-Hudson shall be waived.

(3) Damage to Existing Water Line - The Contractor shall exercise extreme care when making connections so as not to damage any portions of the existing water line which is to remain. Any such damage shall be repaired by the Contractor at his own expense and to the satisfaction of the Owner's Field Representative and the owner of the facility.

(4) The Contractor shall not abandon, disconnect, obstruct or in any other way interfere with the operation of an existing water facility until such time as adequate permanent or temporary substitute facilities have been constructed and placed in operation. All valves to be abandoned shall be filled with K-Crete in accordance with the Village of Croton-on-Hudson requirements. The abandoned pipes are to remain in place. All existing hydrants connected to the abandoned water main shall be removed in accordance with the Village of Croton-on-Hudson requirements.

J. SERVICE LINES

(1) General Requirements - The Contractor shall make all required connections of water service lines into the water distribution system where and as shown on the Drawings and/or as directed by the Owner's Field Representative. Work shall include making the service line connections to the water distribution system, furnishing and installing service line valves, valve boxes and service line pipe.

(2) Service Lines Two (2) Inches or Smaller - Unless otherwise specified, all service lines two (2) inches or smaller in diameter shall be copper tubing with flared joints. Each service line shall be valved with curb stop where and as directed, and a curb box shall be installed over the curb stop. A corporation stop shall be used to connect the service line to the main. Taps shall be made using proper tools and proper procedures as recommended by the manufacturer of the water pipe. Unless otherwise specified, there shall be no joints in the service line between the water main and the curb stop.

(a) Corporation Stops - Corporation stops of the type and sizes specified shall be furnished and installed in the locations shown on the Drawings, specified or ordered by the Owner's Field Representative.

Corporation stops shall conform with the requirements set forth in the Section of this Article entitled "Materials" under "Corporation Stops".

Corporation stops shall be installed for testing and disinfecting water lines and for connecting copper water service lines to water mains.

Corporation stops for testing and disinfecting water mains shall be three-quarter (3/4) inch and shall be inserted in the top of the pipe in a manner that will allow ready access for operation of the stop.

Corporation stops for service lines taps one (1) inch or less shall be installed in the upper quadrant of the pipe; corporation stops for service line taps greater than one (1) inch shall be installed at the spring line of the pipe.

The Contractor shall immediately backfill the excavation after installation of the corporation stop. The corporation stop may be left uncovered only with the approval of the Owner's Field Representative after his consideration of vehicular and/or pedestrian traffic and other field conditions. In the event the corporation stop is left uncovered, the Contractor shall, at his own expense, provide adequate steel plate bridging, as approved by the Owner's Field Representative.

(b) Copper Service Lines - The Contractor shall furnish and lay copper water service lines of the sizes specified in the locations shown on the Drawings, specified or ordered by the Owner's Field Representative. The Contractor shall also connect the proposed water service lines to corporation stops, curb stops and/or existing water service lines where and as directed by the Owner's Field Representative and Site Engineer.

Copper water service pipe shall be Type K, soft temper capable of withstanding a working pressure of 250 psi, in accordance with the requirements set forth in the Section of this Article entitled "Materials" under "Service Lines." For sizes up to and including two (2) inches in diameter, the pipe may be delivered in coil form.

Joints in underground copper water service lines shall be made with Mueller Fig. H-15400 standard flared coupling three part union, copper to copper, or approved equal. No sweat joints shall be permitted. Unless otherwise specified, no joints shall be permitted between the water main and the curb stop.

(c) Curb stops - Curb stops of the type and sizes specified, including curb stop boxes, shall be furnished and installed on water service lines in the locations shown on the Drawings, specified or ordered by the Owner's Field Representative.

Curb stops and curb stop boxes shall conform with the requirements set forth in the Section of this Article entitled "Materials" under "Curb Stops" and "Curb Boxes for Curb Stops".

Curb stop installation shall include furnishing and setting the curb box assembly to provide access to the valve from the ground surface. The curb box assembly shall be installed vertical and plumb directly over the operating nut of the curb stop. No part of the curb box assembly shall rest on the service line or curb stop. The top of the curb box assembly shall be set flush with finished grade or ground surface as specified or ordered.

Particular care shall be exercised by the Contractor to protect the work and to ensure that no dirt, debris or other material is allowed to accumulate in the curb box assembly.

At completion and also prior to acceptance, the Owner's Field Representative and Site Engineer shall inspect the curb stop installation and any defects found in the curb stop assembly, including improper alignment or inaccessibility shall be immediately corrected by the Contractor at his own expense and to the satisfaction of the Owner's Field Representative and Site Engineer.

(d) Connection of Existing Service Lines to New Curb Stop - The Contractor shall connect existing service lines on the house side of the curb stop to the new curb stops where and as shown on the Drawings and/or as directed by the Owner's Field Representative. The Contractor shall furnish all necessary and required fittings to complete the connection, including proper adapters. All work shall be done in accordance with the requirements of the plumbing code of the Village of Croton-on-Hudson and the requirements of the Water Department.

K. TESTING AND DISINFECTION OF WATER LINES

(1) Testing of Water Lines

(a) Testing of completed or portions of the completed water lines shall be required and shall be performed by the Contractor. Unless otherwise directed by the Owner's Field Representative and/or Site Engineer, independent pressure and leakage tests shall be run between each line valve. All valves shall be individually tested as directed by the Owner's Field Representative and/or Site Engineer to assure they hold test pressure and properly "shut down" the water main. Testing of water lines using existing valves to effect a "shut down" and isolate the newly installed water line shall not be allowed.

All pipe, valves and appurtenances shall be given pressure and leakage tests in sections of approved length. The Contractor shall furnish and install suitable temporary testing plugs or caps for the pipe lines, all necessary pressure pumps, taps, pipe connections, meters, gauges, other similar equipment, and all labor required. All expenses involved in making leakage and pressure tests shall be borne by the Contractor and no reimbursement will be made by the Village for these expenses. The meter and gauge shall be installed by the Contractor in such manner that all water entering the section under test and the pressure in the section will be recorded. The meter and gauge shall be kept in use during the full duration of both tests.

The section of pipe to be tested shall be filled with water of approved quality, and all air shall be expelled from the pipe. If hydrants or blowoffs are not available at high points for releasing air, the Contractor shall perform the necessary excavations and make all standard corporation taps for releasing the air. After completion of the tests, the Contractor shall remove the corporation stop, plug said holes and do all necessary backfilling of the excavation to the satisfaction of the Engineer.

For the pressure test, the Contractor shall, by pumping, raise the water pressure (based on the elevation at the lowest point of the section under test and corrected to the gauge location) to a pressure in pounds per square inch (P.S.I) numerically equal to 150% of the normal operating pressure or a minimum pressure of 150 p.s.i. whichever is greater. If the Contractor cannot achieve the specified pressure and maintain it for a period of two (2) hours, the section under test shall be considered as having failed to pass the pressure test.

Following a successfully pressure test, the Contractor shall make a leakage test by metering the flow of water into the pipe while maintaining in the section being tested a pressure equal to the average pressure to which the pipe will be subjected under normal conditions of service as determined by the Site Engineer. This shall be done by placing the section under pressure by pumping. If the leakage during a four-hour period does not exceed the allowable leakage as specified in AWWA standard C-600 Table 6 for mechanical joints or push-on-joints, the section shall be considered to have passed the leakage test.

The length of joint to be used in determining the allowable leakage shall be based on the nominal diameter of the pipe.

If the section shall fail to pass the pressure test or the leakage test, or both, the Contractor shall do everything necessary to locate, uncover, and repair or replace the defective pipe, fitting or joints, and all such work shall be done at his expense and at no additional cost to the Village.

If, in the judgment of the Owner's Field Representative and/or Site Engineer, it is impractical to follow the foregoing procedure exactly for any reason, required modifications in procedure shall be made, but, in any event, the Contractor shall be responsible for the ultimate tightness of the line within the specified pressure and leakage requirements.

(b) In the event of conflict between the tests specified herein and the test requirements of agencies having jurisdiction over all or any portion of the water lines installed under this Contract, the more restrictive requirements shall govern.

(2) Disinfection of Water Lines

(a) After a section of the water line has been laid and passed the required pressure and leakage test requirements as specified herein. The Contractor shall disinfect the main by injecting a chlorinating agent with water into the pipe to obtain an equal distribution of this chlorine solution in the section of water line. This chlorinating agent shall remain the pipe for at least 24 hours after which the main shall be flushed and a bacteriological test shall be made. If the bacteriological test proves to be satisfactory, the main shall be connected to the existing line as

directed by the Owner's Field Representative and/or Site Engineer and placed in service, after which only authorized Village personnel will be permitted to operate any valves or hydrants. No service connections shall be made until the required bacteriological test is completed and found to be satisfactory and the lines thoroughly flushed.

If the bacteriological test is not satisfactory, the Contractor shall do everything necessary to obtain a satisfactory bacteriological test including making provisions to isolate shorter sections of the line if necessary to locate the source of contamination. All work necessary and required to obtain a satisfactory bacteriological test shall be at the Contractor's expense and at no additional cost to the Village.

After the water line has passed the required pressure and leakage tests and before being placed in service, the entire line shall be disinfected. All disinfecting methods and materials shall be in accordance with AWWA Specification C-651, except that the "Tablet Method" as specified in Section 4.4.2 of AWWA Specifications C-651 shall not be used. Two acceptable results of bacteriological analyses of samples of water collection from every 1,200 feet and at least 24 hours apart from the new distribution water line after disinfection and before use of the water lines shall be submitted to the Westchester County Department of Health as part of certification of construction compliance. All disinfection operations and procedures shall meet with the approval of the Water Authority and Health Department.

Water used for flushing and testing water mains will be furnished by the Village. The Contractor shall make all taps and shall provide pumps, hose and other incidentals necessary and required to complete the work as described herein and as directed.

The work of the Contractor in connection with the disinfection of the water line must at all times be satisfactory to the Owner's Field Representative and Site Engineer.

3. MATERIALS

The materials to be used in the construction shall be those indicated on the Drawings and specified herein, and the Contractor shall supply to the Owner's Field Representative and Site Engineer, prior to installation, Certificates of Compliance for the material used. The Contractor shall also submit shop drawings and catalog cuts of all water line items and appurtenances (pipes, fittings, valves, valve boxes, hydrants, etc.), to the Owner's Field Representative and Site Engineer for approval prior to ordering.

A. WATER SYSTEM AND APPURTENANCES

(1) General - All materials for water lines and appurtenances shall be in accordance with the requirements of the Village of Croton-on-Hudson.

(2) Ductile Iron Pipe (DIP) - All water lines shall be ductile iron pipe, Class 52, and shall conform to the requirements of AWWA Specifications C-150 and C-151. Pipe shall be furnished in eighteen (18) or twenty (20) foot nominal lengths.

Lining and Coating - All pipe shall be double cement lined and bituminous coated in conformance with AWWA Specification C-104.

Joints - shall be mechanical joints or push-on joints in accordance with AWWA Specification C-111. Mechanical joints shall be furnished complete with accessories consisting of cast iron glands, steel alloy high-strength bolts and nuts, and plain tipped rubber gaskets. Push-on joints shall be furnished complete with brass wedges to permit electrical conductivity across the joints (2 wedges per joint).

Restrained Joints - The design of restrained joints shall be subject to the approval of the Site Engineer and the Village of Croton-on-Hudson. The Contractor shall submit manufacturer's catalog cuts and literature relative to the type of joints proposed to the Site Engineer for his review and approval.

- (3) Fittings - All iron fittings shall be in accordance with AWWA Specification C-110, pressure rated 350 psi, and shall be furnished with mechanical joints in accordance with AWWA

Specification C-111. Fittings shall be cement lined and bituminous coated in conformance with AWWA Specification C-104. All joints shall be furnished complete with accessories consisting of cast iron glands, steel alloy high-strength bolts and nuts, and plain tipped rubber gaskets.

- (4) Hydrants - All hydrants shall be supplied by the Village of Croton-on-Hudson.
- (5) Resilient Seated Gate Valves - shall be Mueller Co. A-2360-20 for 6", 8" and 10" valves. Valves shall open to the left (counter clockwise). Gate valves shall conform to all requirements of the Village of Croton-on-Hudson.
- (6) Gate Valve Boxes - shall be two piece slide type manufactured by Mueller Co. and shall be made of cast iron (heavy pattern), having a minimum interior diameter of 5 1/4 inches, length as required. It shall have a base of the proper size to fit the valve upon which it is installed and shall have a drop cover marked "WATER".
- (7) Service Lines - All service lines two (2) inches or less in diameter shall be Type K copper conforming to the "Specifications for Seamless Copper Water Tube" ASTM Designation B-88 and AWWA Specification C-800.

Joints in underground copper water service lines shall be made with flared fittings or with Mueller Co. compression fittings; sweat joints shall not be permitted. Each service line shall be valved with curb stop where and as directed, and a curb box shall be installed over the curb stop. A corporation stop shall be used to connect the service line to the main. Taps shall be made using proper tools and proper procedures as recommended by the manufacturer of the water pipe. Unless otherwise specified, there shall be no joints in the service line between the water main and the curb stop.

- (8) Corporation Stops - shall be Mueller Co. Compression H-15008N series, and shall conform to AWWA Specification C-800 and all requirements of the Village of Croton-on-Hudson.
- (9) Curb Stops – shall be Mueller Co. Compression H-15209N series, and shall conform to AWWA Specification C-800 and shall conform to all requirements of the Village of Croton-on-Hudson. If directed, curb valve shall include drain.
- (10) Curb Boxes for Curb Stop - shall be cast iron, Mueller Co. H-10314 extension type, arch pattern, adjustable curb box, length as necessary, complete with necessary extension section, lid and brass locking screw.

END OF ARTICLE 3

ARTICLE 4 – PAVEMENT REPLACEMENT

1. DESCRIPTION

A. SCOPE

(1) Work under this Article of the Specifications shall consist of providing all labor, plant, material and equipment necessary and required to install all temporary pavement and permanent pavement replacement over trenches and/or excavations in accordance with the Contract Documents. Work shall include, but not be limited to:

(a) Installation of temporary bituminous concrete pavements over trenches and/or excavations in existing paved areas and the permanent replacement of pavement over these trenches and/or excavations.

(b) Preparation of subgrade to include fine grading, compaction and proof-rolling.

(c) All necessary and required line cutting of existing pavements.

B. PAVEMENTS WITHIN PUBLIC RIGHTS-OF-WAY

(1) Installation of all pavements within Public Rights-of-Way shall be in accordance with the rules and requirements of the Public Agency having control and ownership of such Rights-of-Way. Work shall include all items and operations necessary and required to complete the pavement installation to the satisfaction of the authorities having jurisdiction, including maintenance of traffic.

2. CONSTRUCTION DETAILS

A. GENERAL

(1) The Contractor shall install all temporary pavement and permanent pavement replacement over trenches and/or excavations as specified in the locations and to the grades as shown on the Drawings and/or as directed by the Owner's Field Representative. Materials, methods of construction, and type and thickness of pavement courses shall be as shown on the Drawings and as specified herein.

(2) Materials and methods for construction of bituminous pavements, bases and subbases shall conform to the New York State Department of Transportation Standard Specifications for Construction and Materials.

(3) The Contractor shall be responsible for laying out and installing all pavements in the correct locations and to the proper cross sections and in accordance with the lines and grades as specified herein and on the Drawings and/or in accordance with the directions of the Owner's

Field Representative and/or Site Engineer. Pavements which are not constructed to the proper section, grade and/or alignment shall be corrected by repair or replacement by the Contractor in accordance with the directions of the Owner's Field Representative and/or Site Engineer and at no additional cost to the Owner.

B. PREPARATION OF SUBGRADE

- (1) Fine Grading - Prior to the start of paving operations, the subgrade surface shall be prepared by filling in wheel ruts, erosions and all other ground disturbances, regardless of cause, and the ground surface shall be fine graded so that after compaction the subgrade surface will be at the proper elevation ($\pm 0.05'$) to accommodate the pavement structure. Fine grading shall not be done when the ground is excessively wet or frozen.
- (2) Compaction - Fine grading of the subgrade shall be accompanied by proper compaction to the extent that the upper twelve (12) inches of subgrade shall have a density not less than 95% Maximum Modified Density in accordance with ASTM Designation D-1557. Compaction shall be done by means of a roller weighing not less than ten (10) tons or other compaction equipment satisfactory to the Owner's Field Representative and/or Site Engineer.
- (3) Proof-rolling - Immediately prior to the start of paving operations, the Contractor shall proof-roll the subgrade in the presence of the Owner's Field Representative and/or Site Engineer. If the subgrade is not suitable for support of the pavement structure as determined by the Owner's Field Representative and/or Site Engineer, measures shall be taken by the Contractor to correct the subgrade deficiencies to the satisfaction of the Owner's Field Representative and/or Site Engineer at no additional cost to the Owner.
- (4) Subgrade Approval - The Owner's Field Representative and/or Site Engineer must approve the subgrade prior to placement of the initial pavement course. Installation of all or any portion of the pavement without subgrade approval by the Owner's Field Representative and/or Site Engineer is done at the Contractor's risk.
- (5) Protection of Approved Subgrade - Approval of the subgrade by the Owner's Field Representative and/or Site Engineer shall not relieve the Contractor of his responsibility to protect the subgrade from damage caused from excessive moisture, rutting from trucks or heavy equipment or from any other cause, and any damage occurring to the subgrade either before or during the paving operations shall be corrected by the Contractor at his own expense to the satisfaction of the Owner's Field Representative and/or Site Engineer.

C. PREPARATION FOR PAVEMENT INSTALLATION

- (1) Utility Structures and Appurtenances - After the subgrade has been prepared as specified herein, the Contractor shall check all frames, covers, water valve boxes and all other miscellaneous castings that are located in the proposed pavement areas to ensure that all such items have been accurately positioned and set to the proper slope and elevation. All covers are to be set flush with the required finished pavement surface. No depressions or mounds will be permitted in the pavement to accommodate inaccuracies in the setting of these appurtenances. All

corrective work as may be necessary as determined by the Owner's Field Representative and/or Site Engineer shall be done by the Contractor at his own expense.

(2) Meeting Existing Pavement - Where new pavements are to meet existing pavements, the Contractor shall line cut the existing pavement with an approved saw cutting tool as directed so that there will be a vertical butting surface between the old and new pavements. Line cutting of existing pavements shall be done along neat, straight and even lines and in such a manner so as not to damage the adjacent pavement which is to remain. The Owner's Field Representative shall decide as to the acceptability of the line cutting device and the method of operation, and his decision shall be final.

Unless specified otherwise or directed by the Owner's Field Representative, the following procedures shall be used:

(a) Pavement Replacement in Existing Bituminous Pavements - Line cut by approved method for the full depth of the pavement prior to placement of any new pavement. Line cutting for pavement replacement over trenches shall be parallel to the centerline of the trench; line cutting for pavement replacement at manholes, drain inlets, catch basins or other underground structures, test holes, etc., shall be in a square or rectangular configuration as directed. For all types of pavement replacement the line cutting shall encompass the disturbed area and include the required undisturbed pavement shelf area as specified herein or as directed. Trimmed edges shall be treated with a light coating of asphalt cement or asphalt emulsion immediately prior to the installation of the new abutting bituminous concrete surface course to provide a bond between the old and new pavement. The new pavement surface shall be finished flush with the adjacent pavement.

(3) Vertical Surfaces in Contact with Bituminous Mixtures -All vertical surfaces of curbs, structures, gutters and existing pavement in contact with new bituminous mixtures shall be painted with a uniform coating of an approved asphalt emulsion or priming material. Extreme care shall be exercised in the application of this material to prevent splattering or staining of surfaces that are to be exposed. Surfaces that are stained as a result of the Contractor's operation shall be repaired and/or replaced to the satisfaction of the Owner's Field Representative at the Contractor's expense.

D. TEMPORARY PAVEMENT

(1) General Requirements - Unless directed otherwise by the Owner's Field Representative, the Contractor shall install temporary pavement over trenches and excavations in areas where existing pavement has been disturbed due to his operations. This pavement shall be constructed after the excavation has been backfilled and properly compacted.

Unless otherwise specified, the construction of the temporary pavement shall consist of two (2) inches compacted measure of hot-mix asphalt concrete (NYSDOT Item 403.1701) on four (4) inches subbase material (NYSDOT Item 304.04).

(2) Spreading and Rolling - Before the material is spread, all surfaces of curbs, edgings, manholes and other structures which will come into contact with the new pavement shall be well painted with a asphalt emulsion or priming material acceptable to the Owner's Field Representative. Care shall be taken to prevent staining, smearing or defacing the exposed faces of the curbs and other structures during the spreading and rolling of the material.

After spreading, the material shall be rolled by means of a roller weighing not less than ten (10) tons. In all places not accessible to the roller, the material shall be compacted thoroughly by approved mechanical tampers.

The finished surface of the temporary pavement shall be flush with the adjacent pavement surface.

(3) Maintenance - The temporary pavement shall be maintained by the Contractor until such time that the final settlement of the trench shall have taken place in the opinion of the Owner's Field Representative. Any settlement taking place shall be maintained by the Contractor at his expense by furnishing, spreading and rolling additional material over that previously laid. The Contractor shall continue this maintenance until such time that the Owner's Field Representative will consider that final settlement of the trench has occurred and that the trench is in readiness for the replacement of the permanent surface or overlay.

(4) Public Rights-of-Way - In Public Rights-of-Way the Contractor shall comply with the requirements of the Agency having jurisdiction.

E. PERMANENT PAVEMENT REPLACEMENT

(1) General Requirements - The Contractor shall replace disturbed pavement over trenches and excavations to the lines and grades shown on the Drawings or specified herein. The existing pavement shall be line cut with suitable tools as shown on the Drawings, specified herein, and/or directed by the Owner's Field Representative.

(2) Replacement of Temporary Pavements - In areas where a temporary pavement has been placed, the Contractor shall remove the temporary pavement to the subgrade line shown on the Drawings or as specified. He shall then fine grade the subgrade to the proper elevation and compact it as described herein under "Preparation of Subgrade".

Where shown on the Drawings or as specified by the Owner' Field Representative, the Contractor shall excavate a shelf to provide a bearing area on all sides for the new pavement. The width of said shelf shall be as shown on the Drawings or as directed by he Owner's Field Representative.

F. GUARANTEE AND MAINTENANCE

(1) The Contractor shall guarantee all pavement installations, including materials and workmanship, for a period of one year from the date of acceptance (as specified in writing by the

Owner). The Contractor shall make interim repairs as necessary to maintain all paved areas in good, usable condition. The Contractor shall receive no additional compensation for pavement maintenance and restoration; payment being considered as included in the unit price bid for permanent pavement replacement.

END OF ARTICLE 4

ARTICLE 5 - SITE CONCRETE

1. DESCRIPTION

A. SCOPE

(1) Work under this Article shall apply to all items of concrete to be installed under this Contract and shall include, but not be limited to, utility structures, footings, foundations, thrust and anchor blocks, pads, sidewalks and curbs.

B. OTHER REQUIREMENTS

(1) If any requirements specified herein for concrete construction conflicts with the requirements of the authorities having jurisdiction, the requirements of the authority having jurisdiction shall apply.

2. CONSTRUCTION DETAILS

A. INSTALLATION

(1) General Requirements - Site concrete shall be Class "A" concrete having a twenty-eight (28) day compressive strength of 4,000 psi.

There shall be no less than six (6) sacks of cement per cubic yard. The concrete shall contain no more than six (6) gallons of water per sack of cement, and shall produce a slump of not more than four (4) inches. Air content shall be 7% ($\pm 1\%$).

The use of accelerators shall not be used unless prior approval is received from the Owner's Field Representative.

Where concrete surfaces are exposed and visible in the finished work, such as in the construction of curbs, sidewalks and walls, the cement used shall be of the same brand and from a single source, so that the item of construction will be uniform in color.

(2) Forms - shall be acceptable steel or lumber, straight and free from warp or other irregularities that will adversely affect the installation. Forms shall be carefully set to the proper shape, lines and dimensions as shown on the Drawings and/or as directed by the Owner's Field Representative and shall be sufficiently tight, thoroughly braced and secured in place so that there will be no leakage of mortar or displacement of forms during placing of the concrete.

Prior to placing the concrete, the contact surfaces of the forms shall be given a light coating of oil that will not discolor the concrete.

Forms shall remain in place until concrete has hardened and acquired sufficient strength to safely support dead and live loads. Form removal shall be carried out in such a manner to ensure complete safety and integrity of the structure.

(3) Reinforcement - shall be accurately cut, placed and rigidly held in position by means of bar supports, spacers, ties or other acceptable means in such manner that the reinforcing will not displace when the concrete is poured. When reinforcing bars must be spliced, there shall be sufficient lap to develop the strength of the bar by bond.

(4) Concrete Protection for Reinforcement - The steel reinforcement shall be protected by the thickness of concrete as indicated on the details of the Drawings. Where not otherwise specified or directed, the thickness of concrete over the reinforcement (clear dimensions) shall be as follows:

(a) For concrete deposited against ground without the use of forms - not less than three (3) inches.

(b) For concrete exposed to the weather or exposed to the ground but placed in forms - not less than two (2) inches.

(c) For concrete placed in slabs and walls not exposed to the ground or to the weather - not less than one and one half (1-1/2) inches.

(d) In all cases, the thickness of concrete over reinforcement shall be at least equal to the diameter of the reinforcing bars.

(5) Keyways and Joints - shall be provided where and as shown in detail on the Drawings. Keyways and joints not indicated on the Drawings shall be as approved by the Owner's Field Representative and/or Site Engineer.

(6) Placement - Unless specified otherwise, concrete three (3) or more inches thick shall be placed and consolidated with mechanical vibrators used in the concrete by skilled workman, properly supervised. Vibrators shall not be moved laterally or used to transport concrete. Vibrators shall be used to merge successive layers and prevent cold joints. Concrete shall be consolidated to maximum density, free of honeycombing and trapped air. Hand spading shall be used in corners and angles of forms while concrete is plastic. During placement operations, concrete shall be thoroughly consolidated and worked well around and into thorough contact with the steel being careful not to disturb the location of the reinforcing. Over-working and over-vibration which may cause segregation shall be avoided.

When concrete is to be placed on the ground surface, the subgrade shall be moistened prior to placing the concrete, except during cold weather periods when freezing is likely to occur. Concrete shall be placed in the form as near to its final position as practicable. Concrete shall be placed in layers to prevent honeycombing. Proper chutes, troughs and other approved devices shall be used to minimize free fall of concrete and to convey concrete to the proper locations. In no case shall concrete be deposited from a height that will separate the aggregates.

Concrete shall be deposited within thirty (30) minutes after mixing, as nearly as practicable, in its final position to avoid segregation due to rehandling or flowing.

(7) Cold Weather Requirements - Adequate equipment shall be provided for heating the concrete materials and protecting the concrete during freezing and near-freezing weather. No frozen materials or materials containing ice shall be used.

All concrete materials and all reinforcement, forms, fillers and ground in which the concrete is to come in contact, shall be free from frost. Whenever the temperature of the surrounding air is below 40 degrees F. all concrete placed in the forms shall have a temperature between 70 degrees F. and 80 degrees F., and adequate means shall be provided for maintaining a temperature of not less than 70 degrees F. for three (3) days or 50 degrees F. for five (5) days except when high early strength concrete is authorized for use, in which case, the temperature shall be maintained at not less than 70 degrees F. for two (2) days or 50 degrees F. for three (3) days or for as much more time as is necessary to insure proper curing of the concrete. The housing, covering or other protection used in connection with curing shall remain in place and intact at least 24 hours after the artificial heating is discontinued. No dependence shall be placed on salt or other chemicals for the prevention of freezing.

(8) Finishing - As soon as the face forms are removed, all fins and other projections shall be removed carefully and offsets leveled and rubbed with carborundum where necessary. Pointing and filling voids shall be done only under the direction of the Owner's Field Representative. Finished concrete surfaces shall be clean, smooth, free of honeycombing, spalling, ragged edges and laitance. Finishing of concrete shall be done only by experienced concrete finishers.

(9) Curing - Concrete shall be protected from the sun and kept moist for at least seven (7) days. During this period, concrete shall be maintained above 70 degrees F. for at least three (3) days or above 50 degrees F. for at least five (5) days. Exposed concrete shall be kept thoroughly wetted during the first week, and covered with polyethylene or heavy paper. Liquid membrane curing meeting the requirements of AASHTO Designation M-148 may be used upon approval of the Owner's Field Representative.

(10) Protection - Every precaution shall be taken by the Contractor to protect finished surfaces from stains, abrasions or damage of any kind. Adequate protection shall be provided against injurious action by sun, wind or freezing temperatures. Fresh concrete shall be thoroughly protected from damage due to heavy rain, flowing water, freezing temperatures and mechanical injury.

B. DEFECTIVE CONCRETE

(1) Concrete work that is not formed as indicated or is not true to alignment, or is not plumb or level, or is not true to grades or levels, is frozen, or has voids or rock pockets, or has saw dust, wood or debris embedded in it, or does not fully conform to the Contract Documents, shall be considered as defective and shall be removed and replaced by the Contractor at no additional cost to the Owner with work that conforms to the Contract Documents.

3. MATERIALS

A. CLASS "A" CONCRETE - shall be air-entrained, ready-mixed concrete, 4,000 psi twenty-eight (28) day compressive strength and shall conform to AASHTO designation M-85.

(1) Cement - shall be Portland cement, Type I or II, conforming to AASHTO Designation M-85. Cement shall be by an American manufacturer.

(2) Fine Aggregate (sand) - shall conform to AASHTO Designation M-6 having clear, hard, durable, uncoated grains, free from deleterious substances and shall range in size from fine to coarse within the following percentages by weight:

Passing 3/8" Sieve	100%
Passing No. 4 Sieve	95-100%
Passing No. 16 Sieve	45- 85%
Passing No. 50 Sieve	10- 30%
Passing No. 100 Sieve	2- 10%

(3) Coarse Aggregate - shall conform to AASHTO Designation M-80 and shall be free of deleterious matter or coatings. Gradation must be within the following percentages by weight:

Passing 1-1/2" Sieve 100%

Passing I" Sieve	95-100%
Passing 1/2" Sieve	25- 60%
Passing No. 4 Sieve	0- 10%

(4) Water - shall be clean and fresh, free from salt, grease, acids, alkalis, organic materials or other deleterious materials. When possible, water shall be from a municipal system.

(5) Reinforcement - shall be new deformed billet steel bars free of loose rust, conforming to ASTM Designation A-615, Grade 60, with minimum yield of 60,000 psi. Wire fabric shall conform to the "Standard Specifications for Welded Steel Wire Fabric for Concrete Reinforcement" ASTM Designation A-185.

END OF ARTICLE 5

ARTICLE 6 - RESTORATION

1. DESCRIPTION

A. SCOPE

(1) Under this item the Contractor shall provide all the labor, plant, material and equipment necessary to restore the sites to its original condition. All man-made and natural features in the construction sites disturbed or removed for the proper completion of the work shall be reset or replaced. All man made or natural features damaged or destroyed shall be repaired or restored to a condition equal to or better than that existing at the start of the work, with materials equal to or better than the original ones.

B. WORK NOT INCLUDED

(1) Any restoration work specifically covered by a payment item, shall be paid for under its own item and shall not be included as part of this item. Physical features damaged outside the limits of the work, as determined by the Engineer, shall be repaired and/or replaced.

2. CONSTRUCTION DETAILS

A. WORK

(1) After the new work in an area has been completed, tested and accepted, or when ordered by the Engineer, the restoration of all the man made and natural features disturbed shall proceed. These features are of the general types outlined below but not necessarily limited to these specific items, as this specification item covers all required restoration work within these general categories:

TREES, SHRUBBERY AND BUSHES

- (a) Gardens – (Rock gardens, flowers, annual, perennials, etc.) with all soils and mulches.
- (b) Ground Covers – (Pachysandra, myrtle, phlox, ivy, etc.) with all soils and mulches.
- (c) Lawns – (Fescues, bluegrasses, perennial ryes, zoysia, etc.) with all topsoils or sod. See paragraph "Grass Areas" below.

WALLS AND WALL FOOTINGS (stone masonry, brick, dry bound, etc.)

- (d) Fences– (Chain link, picket, board, barbed wire). This shall include such new work as footings, guys or braces as may be required to secure the work.

- (e) Sidewalks, Pathways, Patios – (Concrete, flagstone, crushed stone, precast slab, brick, gravel, slate, terrazzo, tile).
- (f) Curbs, and Curb Footings – (Concrete, asphalt concrete, granite, stone, brick, metal, etc.)
- (g) Driveways – (Concrete, slab, gravel, crushed stone). Restoration of asphalt concrete driveways shall be included in the asphalt pavement item.
- (h) Private Underground Utilities – (Footing drains, roof leader drains, dry wells, private electric cables, sprinkler system, swimming pool appurtenances, septic fields, etc.) No repair or restoration will be required of sewage disposal fields that are to be abandoned if this construction is for a sewer project.
- (i) Front or Rear Yard Man Made Features – (Mail boxes, sign posts, lamp posts, dog houses, bird baths, pigeon coops, storage sheds, fire places, barbecue pits, trash burning pits, playing courts, religious creches, awnings, gates wells, etc.) can best be handled if they are carefully removed and replaced after the construction. Those disturbed, damaged or destroyed shall be reset, repaired, or restored.

B. EQUIVALENT ITEMS

- (1) All features damaged or destroyed shall be repaired or restored with features equal to or better than the original ones. The Contractor shall make all reasonable attempts to satisfy the owners but the Owner's Field Representative shall be the judge as to the reasonableness of equivalency of repaired and restored features.

In cases where it is impossible to replace an item with an equivalent item (large tree, exotic plants) the Contractor may substitute other similar items whose total value shall equal that of the destroyed one. This shall be done to the satisfaction of the owner. In such cases, the Contractor shall secure a written release from the owner stating that he is accepting a substitute for the destroyed item and that he releases the Contractor and the Village from further claims for said item. The Owner's Field Representative shall be the judge of the value of the destroyed and value of the restored items and the reasonableness of the substitution.

C. GRASS AREAS

- (1) Immediately after backfilling, grass areas shall be temporarily restored using fast germinating annual or perennial rye grass seed. The patched areas shall be watered as necessary to insure proper germination.
- (2) All disturbed grass areas shall be permanently replaced during the planting seasons from April 7th to May 15th and from August 25th to October 1st as follows:
 - (a) Harrow the ground.
 - (b) Remove weeds and other undesirable growth.
 - (c) Furnish and place a minimum of four (4) inches of screened topsoil obtained from a local nursery.
 - (d) Rake and grade topsoil to match adjoining area; the Engineer is to approve the grading before fertilizing and seeding.
 - (e) Furnish and place 15lbs of fertilizer containing 10 parts of Nitrogen, 6 parts of Phosphoric Acid and 4 parts of Potash (10-6-4) to every 1,000 square feet of area.
 - (f) Furnish and place 10 lbs. of grass seed mixture containing by percentage of weight: Kentucky Bluegrass 50%, Red Top 5%, Pennlawn Fescues 25%, Creeping Red Fescues 20%, to every 1,000 square feet of area.
 - (g) The Contractor shall water the newly planted grass until the grass reaches a stand of four (4) inches.
 - (h) The Contractor shall be responsible for all restored grass areas until final acceptance by the Village. He shall regrade, reseed, re-fertilize, etc., any grass that failed to maintain a dense stand or any area that has lost its grade due to settlement of the trench. The finished restored area shall be free of weeds and shall have the same density of grass as the adjoining areas.
 - (i) In law areas that contain Zoysia grasses, the Contractor shall replace the area with the same.
 - (j) In lieu of the above method of placing topsoil and seeding, the Contractor may substitute sodding, at his own option and at no extra cost to the Village.

D. MAINTENANCE

- (1) All work done as part of this item shall be maintained for a period of one year after the completion of the project as required by this Contract and secured by the Maintenance Bond.

Trenches that have settled shall be refilled to the proper grade. If this refilling operation disturbs the previous restoration of lawns, etc., the lawns, etc., shall again be restored to their original conditions under this item and at no additional cost to the Village or the owner.

Items replaced, replanted, or restored shall be protected to insure their proper establishment. This protection may take any form required such as guying, wrapping, covering, barricades, shoring, etc. and must be acceptable to the Village and owner(s).

E. REGARDING SURFACES TO FINISHED GRADE

- (1) In some instances, grading by machines will not be considered as properly or satisfactorily graded to the required finished grades. In these instances, hand grading such as raking, rolling, trimming, etc. will be ordered by the Owner's Field Representative to complete the work satisfactorily.

F. DELETION OF ADDITION OF WORK

- (1) If the alignment of the pipe line is changed and it results in an increase or decrease of restoration work, adjustment of payment for this item shall be made. In general, the adjustment shall be based on the proportion that the change bears to the total of all the restoration work and the bid price for this item. Such adjustment shall be mutually satisfactory to the Contractor and the Engineer. For any increase in the work, the increase in payment shall in no case exceed the cost of labor, materials and equipment plus percentage allowances computed as outlined in "Extra Work" of the Specifications.

G. RELEASES

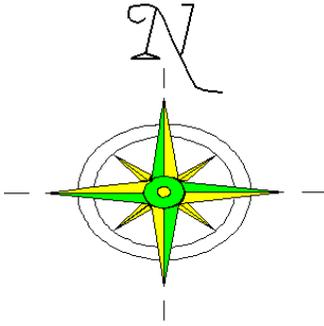
- (1) The Village may require the Contractor to obtain a written release from any or all private property owners and/or public agencies as to satisfactory restoration of easement or permit areas, or written acceptance of other considerations or substitutions in lieu of such satisfactory restoration. Final payment may be withheld pending receipt of such releases.

END OF ARTICLE 6

APPENDIX 'A'
BEDROCK STUDY

Todd J, Syska Inc

106 Spruce Lane
Clinton Corners
NY 12514



July 9, 2014

845-706-8000

todd@syska-inc.com

Marco J. Gennarelli
Village of Croton on Hudson
1 Van Wyck St.
Croton on Hudson, NY 10520

Re: Farrington Rd and Hunter Place, Bedrock Study

Station	Results
0	8+
50	8+
100	8+
150	8+
200	8+
250	8+
300	8+
350	8+
400	8+
450	8+
500	8+
550	8+
600	8+
650	8+
700	8+
750	8+

Station	Results
800	8+
850	8+
900	8+
950	8+
1000	8+
1050	8+
1100	8+
1150	5.0 Made 5 attempts in this area. Max 5.0'
1200	8+
1250	8+
1300	4.5 Made 2 attempts in this area. Max 4.5'
1350	8+
1400	9+
1450	9+ Near Manhole
1500	5.2 Made 2 attempts in this area. Max 5.2'
1550	7.0 Made 3 attempts in this area. Max 7.0'
1600	8+
1650	8+
1700	8+
1750	6.5
1800	8+
1850	8+
1900	8+
1950	8+
2000	8+
2050	8+
2100	8+
2150	8+
2200	8+
2250	8+

Station	Results
2300	8+
2350	6.0 Most likely a cobble
2400	8+
2450	8+
2500	3.5 Most likely a cobble
2550	8+
2600	6.5 Most likely a cobble

APPENDIX 'B'
PREVAILING WAGE SCHEDULE



Andrew M. Cuomo, Governor

Mario J. Musolino, Commissioner

Croton on Hudson
Marco Gennarelli, Project Manager
1 Van Wyck Street
Croton on Hudson NY 10520

Schedule Year 2015 through 2016
Date Requested 12/16/2015
PRC# 2015012455

Location Croton on Hudson
Project ID# 01-2016
Project Type Water Main and Sewer Main Replacement

PREVAILING WAGE SCHEDULE FOR ARTICLE 8 PUBLIC WORK PROJECT

Attached is the current schedule(s) of the prevailing wage rates and prevailing hourly supplements for the project referenced above. A unique Prevailing Wage Case Number (PRC#) has been assigned to the schedule(s) for your project.

The schedule is effective from July 2015 through June 2016. All updates, corrections, posted on the 1st business day of each month, and future copies of the annual determination are available on the Department's website www.labor.state.ny.us. Updated PDF copies of your schedule can be accessed by entering your assigned PRC# at the proper location on the website.

It is the responsibility of the contracting agency or its agent to annex and make part, the attached schedule, to the specifications for this project, when it is advertised for bids and /or to forward said schedules to the successful bidder(s), immediately upon receipt, in order to insure the proper payment of wages.

Please refer to the "General Provisions of Laws Covering Workers on Public Work Contracts" provided with this schedule, for the specific details relating to other responsibilities of the Department of Jurisdiction.

Upon completion or cancellation of this project, enter the required information and mail **OR** fax this form to the office shown at the bottom of this notice, **OR** fill out the electronic version via the NYSDOL website.

NOTICE OF COMPLETION / CANCELLATION OF PROJECT

Date Completed: _____ Date Cancelled: _____

Name & Title of Representative: _____

Phone: (518) 457-5589 Fax: (518) 485-1870
W. Averell Harriman State Office Campus, Bldg. 12, Room 130, Albany, NY 12240

General Provisions of Laws Covering Workers on Article 8 Public Work Contracts

Introduction

The Labor Law requires public work contractors and subcontractors to pay laborers, workers, or mechanics employed in the performance of a public work contract not less than the prevailing rate of wage and supplements (fringe benefits) in the locality where the work is performed.

Responsibilities of the Department of Jurisdiction

A Department of Jurisdiction (Contracting Agency) includes a state department, agency, board or commission; a county, city, town or village; a school district, board of education or board of cooperative educational services; a sewer, water, fire, improvement and other district corporation; a public benefit corporation; and a public authority awarding a public work contract.

The Department of Jurisdiction (Contracting Agency) awarding a public work contract MUST obtain a Prevailing Rate Schedule listing the hourly rates of wages and supplements due the workers to be employed on a public work project. This schedule may be obtained by completing and forwarding a "Request for wage and Supplement Information" form (PW 39) to the Bureau of Public Work. The Prevailing Rate Schedule MUST be included in the specifications for the contract to be awarded and is deemed part of the public work contract.

Upon the awarding of the contract, the law requires that the Department of Jurisdiction (Contracting Agency) furnish the following information to the Bureau: the name and address of the contractor, the date the contract was let and the approximate dollar value of the contract. To facilitate compliance with this provision of the Labor Law, a copy of the Department's "Notice of Contract Award" form (PW 16) is provided with the original Prevailing Rate Schedule.

The Department of Jurisdiction (Contracting Agency) is required to notify the Bureau of the completion or cancellation of any public work project. The Department's PW 200 form is provided for that purpose.

Both the PW 16 and PW 200 forms are available for completion [online](#).

Hours

No laborer, worker, or mechanic in the employ of a contractor or subcontractor engaged in the performance of any public work project shall be permitted to work more than eight hours in any day or more than five days in any week, except in cases of extraordinary emergency. The contractor and the Department of Jurisdiction (Contracting Agency) may apply to the Bureau of Public Work for a dispensation permitting workers to work additional hours or days per week on a particular public work project.

There are very few exceptions to this rule. Complete information regarding these exceptions is available on the "[4 Day / 10 Hour Work Schedule](#)" form (PW 30R).

Wages and Supplements

The wages and supplements to be paid and/or provided to laborers, workers, and mechanics employed on a public work project shall be not less than those listed in the current Prevailing Rate Schedule for the locality where the work is performed. If a prime contractor on a public work project has not been provided with a Prevailing Rate Schedule, the contractor must notify the Department of Jurisdiction (Contracting Agency) who in turn must request an original Prevailing Rate Schedule form the Bureau of Public Work. Requests may be submitted by: mail to NYSDOL, Bureau of Public Work, State Office Bldg. Campus, Bldg. 12, Rm. 130, Albany, NY 12240; Fax to Bureau of Public Work (518) 485-1870; or electronically at the NYSDOL website www.labor.state.ny.us.

Upon receiving the original schedule, the Department of Jurisdiction (Contracting Agency) is REQUIRED to provide complete copies to all prime contractors who in turn MUST, by law, provide copies of all applicable county schedules to each subcontractor and obtain from each subcontractor, an affidavit certifying such schedules were received. If the original schedule expired, the contractor may obtain a copy of the new annual determination from the NYSDOL website www.labor.state.ny.us.

The Commissioner of Labor makes an annual determination of the prevailing rates. This determination is in effect from July 1st through June 30th of the following year. The annual determination is available on the NYSDOL website www.labor.state.ny.us.

Payrolls and Payroll Records

Every contractor and subcontractor MUST keep original payrolls or transcripts subscribed and affirmed as true under penalty of perjury. Payrolls must be maintained for at least three (3) years from the project's date of completion. At a minimum, payrolls must show the following information for each person employed on a public work project: Name, Address, Last 4 Digits of Social Security Number, Classification(s) in which the worker was employed, Hourly wage rate(s) paid, Supplements paid or provided, and Daily and weekly number of hours worked in each classification.

Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury. The Department of Jurisdiction (Contracting Agency) shall collect, review for facial validity, and maintain such payrolls.

In addition, the Commissioner of Labor may require contractors to furnish, with ten (10) days of a request, payroll records sworn to as their validity and accuracy for public work and private work. Payroll records include, but are not limited to time cards, work description sheets, proof that supplements were provided, cancelled payroll checks and payrolls. Failure to provide the requested information within the allotted ten (10) days will result in the withholding of up to 25% of the contract, not to exceed \$100,000.00. If the contractor or subcontractor does not maintain a place of business in New York State and the amount of the contract exceeds \$25,000.00, payroll records and certifications must be kept on the project worksite.

The prime contractor is responsible for any underpayments of prevailing wages or supplements by any subcontractor.

All contractors or their subcontractors shall provide to their subcontractors a copy of the Prevailing Rate Schedule specified in the public work contract as well as any subsequently issued schedules. A failure to provide these schedules by a contractor or subcontractor is a violation of Article 8, Section 220-a of the Labor Law.

All subcontractors engaged by a public work project contractor or its subcontractor, upon receipt of the original schedule and any subsequently issued schedules, shall provide to such contractor a verified statement attesting that the subcontractor has received the Prevailing Rate Schedule and will pay or provide the applicable rates of wages and supplements specified therein. (See NYS Labor Laws, Article 8 . Section 220-a).

Determination of Prevailing Wage and Supplement Rate Updates Applicable to All Counties

The wages and supplements contained in the annual determination become effective July 1st whether or not the new determination has been received by a given contractor. Care should be taken to review the rates for obvious errors. Any corrections should be brought to the Department's attention immediately. It is the responsibility of the public work contractor to use the proper rates. If there is a question on the proper classification to be used, please call the district office located nearest the project. Any errors in the annual determination will be corrected and posted to the NYS DOL website on the first business day of each month. Contractors are responsible for paying these updated rates as well, retroactive to July 1st.

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. To the extent possible, the Department posts rates in its possession that cover periods of time beyond the July 1st to June 30th time frame covered by a particular annual determination. Rates that extend beyond that instant time period are informational ONLY and may be updated in future annual determinations that actually cover the then appropriate July 1st to June 30th time period.

Withholding of Payments

When a complaint is filed with the Commissioner of Labor alleging the failure of a contractor or subcontractor to pay or provide the prevailing wages or supplements, or when the Commissioner of Labor believes that unpaid wages or supplements may be due, payments on the public work contract shall be withheld from the prime contractor in a sufficient amount to satisfy the alleged unpaid wages and supplements, including interest and civil penalty, pending a final determination.

When the Bureau of Public Work finds that a contractor or subcontractor on a public work project failed to pay or provide the requisite prevailing wages or supplements, the Bureau is authorized by Sections 220-b and 235.2 of the Labor Law to so notify the financial officer of the Department of Jurisdiction (Contracting Agency) that awarded the public work contract. Such officer MUST then withhold or cause to be withheld from any payment due the prime contractor on account of such contract the amount indicated by the Bureau as sufficient to satisfy the unpaid wages and supplements, including interest and any civil penalty that may be assessed by the Commissioner of Labor. The withholding continues until there is a final determination of the underpayment by the Commissioner of Labor or by the court in the event a legal proceeding is instituted for review of the determination of the Commissioner of Labor.

The Department of Jurisdiction (Contracting Agency) shall comply with this order of the Commissioner of Labor or of the court with respect to the release of the funds so withheld.

Summary of Notice Posting Requirements

The current Prevailing Rate Schedule must be posted in a prominent and accessible place on the site of the public work project. The prevailing wage schedule must be encased in, or constructed of, materials capable of withstanding adverse weather conditions and be titled "PREVAILING RATE OF WAGES" in letters no smaller than two (2) inches by two (2) inches.

The "[Public Work Project](#)" notice must be posted at the beginning of the performance of every public work contract, on each job site.

Every employer providing workers. compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers. Compensation Board in a conspicuous place on the jobsite.

Every employer subject to the NYS Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers, notices furnished by the State Division of Human Rights.

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the NYS Department of Labor.

Apprentices

Employees cannot be paid apprentice rates unless they are individually registered in a program registered with the NYS Commissioner of Labor. The allowable ratio of apprentices to journeyworkers in any craft classification can be no greater than the statewide building trade ratios promulgated by the Department of Labor and included with the Prevailing Rate Schedule. An employee listed on a payroll as an apprentice who is not registered as above or is performing work outside the classification of work for which the apprentice is indentured, must be paid the prevailing journeyworker's wage rate for the classification of work the employee is actually performing.

NYSDOL Labor Law, Article 8, Section 220-3, require that only apprentices individually registered with the NYS Department of Labor may be paid apprenticeship rates on a public work project. No other Federal or State Agency of office registers apprentices in New York State.

Persons wishing to verify the apprentice registration of any person must do so in writing by mail, to the NYSDOL Office of Employability Development / Apprenticeship Training, State Office Bldg. Campus, Bldg. 12, Albany, NY 12240 or by Fax to NYSDOL Apprenticeship Training (518) 457-7154. All requests for verification must include the name and social security number of the person for whom the information is requested.

The only conclusive proof of individual apprentice registration is written verification from the NYSDOL Apprenticeship Training Albany Central office. Neither Federal nor State Apprenticeship Training offices outside of Albany can provide conclusive registration information.

It should be noted that the existence of a registered apprenticeship program is not conclusive proof that any person is registered in that program. Furthermore, the existence or possession of wallet cards, identification cards, or copies of state forms is not conclusive proof of the registration of any person as an apprentice.

Interest and Penalties

In the event that an underpayment of wages and/or supplements is found:

- Interest shall be assessed at the rate then in effect as prescribed by the Superintendent of Banks pursuant to section 14-a of the Banking Law, per annum from the date of underpayment to the date restitution is made.
- A Civil Penalty may also be assessed, not to exceed 25% of the total of wages, supplements, and interest due.

Debarment

Any contractor or subcontractor and/or its successor shall be ineligible to submit a bid on or be awarded any public work contract or subcontract with any state, municipal corporation or public body for a period of five (5) years when:

- Two (2) willful determinations have been rendered against that contractor or subcontractor and/or its successor within any consecutive six (6) year period.
- There is any willful determination that involves the falsification of payroll records or the kickback of wages or supplements.

Criminal Sanctions

Willful violations of the Prevailing Wage Law (Article 8 of the Labor Law) may be a felony punishable by fine or imprisonment of up to 15 years, or both.

Discrimination

No employee or applicant for employment may be discriminated against on account of age, race, creed, color, national origin, sex, disability or marital status.

No contractor, subcontractor nor any person acting on its behalf, shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates (NYS Labor Law, Article 8, Section 220-e(a)).

No contractor, subcontractor, nor any person acting on its behalf, shall in any manner, discriminate against or intimidate any employee on account of race, creed, color, disability, sex, or national origin (NYS Labor Law, Article 8, Section 220-e(b)).

The Human Rights Law also prohibits discrimination in employment because of age, marital status, or religion.

There may be deducted from the amount payable to the contractor under the contract a penalty of \$50.00 for each calendar day during which such person was discriminated against or intimidated in violation of the provision of the contract (NYS Labor Law, Article 8, Section 220-e(c)).

The contract may be cancelled or terminated by the State or municipality. All monies due or to become due thereunder may be forfeited for a second or any subsequent violation of the terms or conditions of the anti-discrimination sections of the contract (NYS Labor Law, Article 8, Section 220-e(d)).

Every employer subject to the New York State Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers notices furnished by the State Division of Human Rights.

Workers' Compensation

In accordance with Section 142 of the State Finance Law, the contractor shall maintain coverage during the life of the contract for the benefit of such employees as required by the provisions of the New York State Workers' Compensation Law.

A contractor who is awarded a public work contract must provide proof of workers' compensation coverage prior to being allowed to begin work.

The insurance policy must be issued by a company authorized to provide workers' compensation coverage in New York State. Proof of coverage must be on form C-105.2 (Certificate of Workers' Compensation Insurance) and must name this agency as a certificate holder.

If New York State coverage is added to an existing out-of-state policy, it can only be added to a policy from a company authorized to write workers' compensation coverage in this state. The coverage must be listed under item 3A of the information page.

The contractor must maintain proof that subcontractors doing work covered under this contract secured and maintained a workers' compensation policy for all employees working in New York State.

Every employer providing worker's compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers' Compensation Board in a conspicuous place on the jobsite.

Unemployment Insurance

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the New York State Department of Labor.



Andrew M. Cuomo, Governor

Mario J. Musolino, Commissioner

Croton on Hudson
Marco Gennarelli, Project Manager
1 Van Wyck Street
Croton on Hudson NY 10520

Schedule Year 2015 through 2016
Date Requested 12/16/2015
PRC# 2015012455

Location Croton on Hudson
Project ID# 01-2016
Project Type Water Main and Sewer Main Replacement

Notice of Contract Award

New York State Labor Law, Article 8, Section 220.3a requires that certain information regarding the awarding of public work contracts, be furnished to the Commissioner of Labor. One "Notice of Contract Award" (PW 16, which may be photocopied), **MUST** be completed for **EACH** prime contractor on the above referenced project.

Upon notifying the successful bidder(s) of this contract, enter the required information and mail **OR** fax this form to the office shown at the bottom of this notice, **OR** fill out the electronic version via the NYSDOL website.

Contractor Information

All information must be supplied

Federal Employer Identification Number: _____		
Name: _____		
Address: _____ _____		
City: _____	State: _____	Zip: _____
Amount of Contract: \$ _____	Contract Type:	
Approximate Starting Date: ____/____/____	<input type="checkbox"/> (01) General Construction	
Approximate Completion Date: ____/____/____	<input type="checkbox"/> (02) Heating/Ventilation	
	<input type="checkbox"/> (03) Electrical	
	<input type="checkbox"/> (04) Plumbing	
	<input type="checkbox"/> (05) Other : _____	

Phone: (518) 457-5589 Fax: (518) 485-1870
W. Averell Harriman State Office Campus, Bldg. 12, Room 130, Albany, NY 12240

IMPORTANT NOTICE

FOR

CONTRACTORS & CONTRACTING AGENCIES

Social Security Numbers on Certified Payrolls

The Department of Labor is cognizant of the concerns of the potential for misuse or inadvertent disclosure of social security numbers. Identity theft is a growing problem and we are sympathetic to contractors' concerns with regard to inclusion of this information on payrolls if another identifier will suffice.

For these reasons, *the substitution of the use of the last four digits of the social security number on certified payrolls submitted to contracting agencies on public work projects is now acceptable to the Department of Labor.*

NOTE: This change does not affect the Department's ability to request and receive the entire social security number from employers during the course of its public work / prevailing wage investigations.

**To all State Departments, Agency Heads and Public Benefit Corporations
IMPORTANT NOTICE REGARDING PUBLIC WORK ENFORCEMENT FUND**

Budget Policy & Reporting Manual

B-610

Public Work Enforcement Fund

effective date December 7, 2005

1. Purpose and Scope:

This Item describes the Public Work Enforcement Fund (the Fund, PWEF) and its relevance to State agencies and public benefit corporations engaged in construction or reconstruction contracts, maintenance and repair, and announces the recently-enacted increase to the percentage of the dollar value of such contracts that must be deposited into the Fund. This item also describes the roles of the following entities with respect to the Fund:

- New York State Department of Labor (DOL),
- The Office of the State of Comptroller (OSC), and
- State agencies and public benefit corporations.

2. Background and Statutory References:

DOL uses the Fund to enforce the State's Labor Law as it relates to contracts for construction or reconstruction, maintenance and repair, as defined in subdivision two of Section 220 of the Labor Law. State agencies and public benefit corporations participating in such contracts are required to make payments to the Fund.

Chapter 511 of the Laws of 1995 (as amended by Chapter 513 of the Laws of 1997, Chapter 655 of the Laws of 1999, Chapter 376 of the Laws of 2003 and Chapter 407 of the Laws of 2005) established the Fund.

3. Procedures and Agency Responsibilities:

The Fund is supported by transfers and deposits based on the value of contracts for construction and reconstruction, maintenance and repair, as defined in subdivision two of Section 220 of the Labor Law, into which all State agencies and public benefit corporations enter.

Chapter 407 of the Laws of 2005 increased the amount required to be provided to this fund to .10 of one-percent of the total cost of each such contract, to be calculated at the time agencies or public benefit corporations enter into a new contract or if a contract is amended. The provisions of this bill became effective August 2, 2005.

**To all State Departments, Agency Heads and Public Benefit Corporations
IMPORTANT NOTICE REGARDING PUBLIC WORK ENFORCEMENT FUND**

OSC will report to DOL on all construction-related ("D") contracts approved during the month, including contract amendments, and then DOL will bill agencies the appropriate assessment monthly. An agency may then make a determination if any of the billed contracts are exempt and so note on the bill submitted back to DOL. For any instance where an agency is unsure if a contract is or is not exempt, they can call the Bureau of Public Work at the number noted below for a determination. Payment by check or journal voucher is due to DOL within thirty days from the date of the billing. DOL will verify the amounts and forward them to OSC for processing.

For those contracts which are not approved or administered by the Comptroller, monthly reports and payments for deposit into the Public Work Enforcement Fund must be provided to the Administrative Finance Bureau at the DOL within 30 days of the end of each month or on a payment schedule mutually agreed upon with DOL.

Reports should contain the following information:

- Name and billing address of State agency or public benefit corporation;
- State agency or public benefit corporation contact and phone number;
- Name and address of contractor receiving the award;
- Contract number and effective dates;
- Contract amount and PWEF assessment charge (if contract amount has been amended, reflect increase or decrease to original contract and the adjustment in the PWEF charge); and
- Brief description of the work to be performed under each contract.

Checks and Journal Vouchers, payable to the "New York State Department of Labor" should be sent to:

Department of Labor
Administrative Finance Bureau-PWEF Unit
Building 12, Room 464
State Office Campus
Albany, NY 12240

Any questions regarding billing should be directed to NYSDOL's Administrative Finance Bureau-PWEF Unit at (518) 457-3624 and any questions regarding Public Work Contracts should be directed to the Bureau of Public Work at (518) 457-5589.

Construction Industry Fair Play Act

Required Posting For Labor Law Article 25-B § 861-d

Construction industry employers must post the "Construction Industry Fair Play Act" notice in a prominent and accessible place on the job site.

Failure to post the notice can result in penalties of up to \$1,500 for a first offense and up to \$5,000 for a second offense.

The posting is included as part of this wage schedule. Additional copies may be obtained from the NYS DOL website, www.labor.ny.gov.

If you have any questions concerning the Fair Play Act, please call the State Labor Department toll-free at 1-866-435-1499 or email us at: dol.misclassified@labor.state.ny.us .

WORKER NOTIFICATION

(Labor Law §220, paragraph a of subdivision 3-a)

Effective February 24, 2008

This provision is an addition to the existing prevailing wage rate law, Labor Law §220, paragraph a of subdivision 3-a. It requires contractors and subcontractors to provide written notice to all laborers, workers or mechanics of the *prevailing wage rate* for their particular job classification *on each pay stub**. It also requires contractors and subcontractors to *post a notice* at the beginning of the performance of every public work contract *on each job site* that includes the telephone number and address for the Department of Labor and a statement informing laborers, workers or mechanics of their right to contact the Department of Labor if he/she is not receiving the proper prevailing rate of wages and/or supplements for his/her particular job classification. The required notification will be provided with each wage schedule, may be downloaded from our website www.labor.state.ny.us or made available upon request by contacting the Bureau of Public Work at 518-457-5589.

* In the event that the required information will not fit on the pay stub, an accompanying sheet or attachment of the information will suffice.



New York State Department of Labor
Bureau of Public Work

Attention Employees

THIS IS A: **PUBLIC WORK PROJECT**

If you are employed on this project as a **worker, laborer, or mechanic** you are entitled to receive the **prevailing wage and supplements rate** for the classification at which you are working.

Chapter 629 of the Labor Laws of 2007:

These wages are set by law and must be posted at the work site. They can also be found at: www.labor.ny.gov

If you feel that you have not received proper wages or benefits, please call our nearest office.*

Albany	(518) 457-2744	Patchogue	(631) 687-4882
Binghamton	(607) 721-8005	Rochester	(585) 258-4505
Buffalo	(716) 847-7159	Syracuse	(315) 428-4056
Garden City	(516) 228-3915	Utica	(315) 793-2314
New York City	(212) 775-3568	White Plains	(914) 997-9507
Newburgh	(845) 568-5287		

* For New York City government agency construction projects, please contact the Office of the NYC Comptroller at (212) 669-4443, or www.comptroller.nyc.gov – click on Bureau of Labor Law.

Contractor Name: _____

Project Location: _____

OSHA 10-hour Construction Safety and Health Course – S1537-A

Effective July 18, 2008

This provision is an addition to the existing prevailing wage rate law, Labor Law §220, section 220-h. It requires that on all public work projects of at least \$250,000.00, all laborers, workers and mechanics working on the site, be certified as having successfully completed the OSHA 10-hour construction safety and health course. It further requires that the advertised bids and contracts for every public work contract of at least \$250,000.00, contain a provision of this requirement.

NOTE: The OSHA 10 Legislation only applies to workers on a public work project that are required, under Article 8, to receive the prevailing wage.

Where to find OSHA 10-hour Construction Course

1. NYS Department of Labor website for scheduled outreach training at:

www.labor.state.ny.us/workerprotection/safetyhealth/DOSH_ONSITE_CONSULTATION.shtm

2. OSHA Training Institute Education Centers:

Rochester Institute of Technology OSHA Education Center

Rochester, NY

Donna Winter

Fax (585) 475-6292

e-mail: dlwtpo@rit.edu

(866) 385-7470 Ext. 2919

www.rit.edu/~outreach/course.php3?CourseID=54

Atlantic OSHA Training Center

UMDNJ – School of Public Health

Piscataway, NJ

Janet Crooks

Fax (732) 235-9460

e-mail: crooksje@umdnj.edu

(732) 235-9455

<https://ophp.umdnj.edu/wconnect/ShowSchedule.awp?~~GROUP~AOTCON~10~>

Atlantic OSHA Training Center

University at Buffalo

Buffalo, New York

Joe Syracuse

Fax (716) 829-2806

e-mail: mailto:japs@buffalo.edu

(716) 829-2125

http://www.smbs.buffalo.edu/CENTERS/trc/schedule_OSHA.php

Keene State College

Manchester, NH

Leslie Singleton

e-mail: lsingletin@keene.edu

(800) 449-6742

www.keene.edu/courses/print/courses_osa.cfm

3. List of trainers and training schedules for OSHA outreach training at:

www.OutreachTrainers.org

Requirements for OSHA 10 Compliance

Chapter 282 of the Laws of 2007, codified as Labor Law 220-h took effect on July 18, 2008. The statute provides as follows:

The advertised specifications for every contract for public work of \$250,000.00 or more must contain a provision requiring that every worker employed in the performance of a public work contract shall be certified as having completed an OSHA 10 safety training course. The clear intent of this provision is to require that all employees of public work contractors, required to be paid prevailing rates, receive such training “prior to the performing any work on the project.”

The Bureau will enforce the statute as follows:

All contractors and sub contractors must attach a copy of proof of completion of the OSHA 10 course to the first certified payroll submitted to the contracting agency and on each succeeding payroll where any new or additional employee is first listed.

Proof of completion may include but is not limited to:

- Copies of bona fide course completion card (*Note: Completion cards do not have an expiration date.*)
- Training roster, attendance record of other documentation from the certified trainer pending the issuance of the card.
- Other valid proof

**A certification by the employer attesting that all employees have completed such a course is not sufficient proof that the course has been completed.

Any questions regarding this statute may be directed to the New York State Department of Labor, Bureau of Public Work at 518-485-5696.

WICKS Reform 2008

(For all contracts advertised or solicited for bid on or after 7/1/08)

- Raises the threshold for public work projects subject to the Wicks Law requiring separate specifications and bidding for the plumbing, heating and electrical work. The total project's threshold would increase from \$50,000 to: \$3 million in Bronx, Kings, New York, Queens and Richmond counties; \$1.5 million in Nassau, Suffolk and Westchester counties; and \$500,000 in all other counties.
- For projects below the monetary threshold, bidders must submit a sealed list naming each subcontractor for the plumbing, HVAC and electrical work and the amount to be paid to each. The list may not be changed unless the public owner finds a legitimate construction need, including a change in specifications or costs or use of a Project Labor Agreement (PLA), and must be open to public inspection.
- Allows the state and local agencies and authorities to waive the Wicks Law and use a PLA if it will provide the best work at the lowest possible price. If a PLA is used, all contractors shall participate in apprentice training programs in the trades of work it employs that have been approved by the Department of Labor (DOL) for not less than three years. They shall also have at least one graduate in the last three years and use affirmative efforts to retain minority apprentices. PLA's would be exempt from Wicks, but deemed to be public work subject to prevailing wage enforcement.
- The Commissioner of Labor shall have the power to enforce separate specification requirements on projects, and may issue stop-bid orders against public owners for non-compliance.
- Other new monetary thresholds, and similar sealed bidding for non-Wicks projects, would apply to certain public authorities including municipal housing authorities, NYC Construction Fund, Yonkers Educational Construction Fund, NYC Municipal Water Finance Authority, Buffalo Municipal Water Finance Authority, Westchester County Health Care Association, Nassau County Health Care Corp., Clifton-Fine Health Care Corp., Erie County Medical Center Corp., NYC Solid Waste Management Facilities, and the Dormitory Authority.
- Reduces from 15 to 7 days the period in which contractors must pay subcontractors.

IMPORTANT INFORMATION

Regarding Use of Form PW30R

“Employer Registration for Use of 4 Day / 10 Hour Work Schedule”

To use the ‘4 Day / 10 Hour Work Schedule’:

There **MUST** be a *Dispensation of Hours (PW30)* in place on the project

AND

You **MUST** register your intent to work 4 / 10 hour days, by completing the PW30R Form.

REMEMBER...

The ‘4 Day / 10 Hour Work Schedule’ applies **ONLY** to Job Classifications and Counties listed on the PW30R Form.

Do not write in any additional Classifications or Counties.

(Please note : For each Job Classification check the individual wage schedule for specific details regarding their 4/10 hour day posting.)

Instructions for Completing Form PW30R

“Employer Registration for Use of 4 Day / 10 Hour Work Schedule”

Before completing Form PW30R check to be sure ...

- There is a *Dispensation of Hours* in place on the project.
- The 4 Day / 10 Hour Work Schedule applies to the Job Classifications you will be using.
- The 4 Day / 10 Hour Work Schedule applies to the County / Counties where the work will take place.

Instructions (Type or Print legibly):

Contractor Information:

- Enter the Legal Name of the business, FEIN, Street Address, City, State, Zip Code; the Company’s Phone and Fax numbers; and the Company’s email address (if applicable)
- Enter the Name of a Contact Person for the Company along with their Phone and Fax numbers, and the personal email address (if applicable)

Project Information:

- Enter the Prevailing Rate Case number (PRC#) assigned to this project
- Enter the Project Name / Type (i.e. Smithtown CSD – Replacement of HS Roof)
- Enter the Exact Location of Project (i.e. Smithtown HS, 143 County Route #2, Smithtown, NY; Bldgs. 1 & 2)
- If you are a Subcontractor, enter the name of the Prime Contractor for which you work
- On the Checklist of Job Classifications -
 - Go to pages 2 and 3 of the form
 - Place a checkmark in the box to the right of the Job Classification you are choosing
 - Mark all Job Classifications that apply

*****Do not write in any additional Classifications or Counties.*****

Requestor Information:

- Enter the name of the person submitting the registration, their title with the company , and the date the registration is filled out

Return Completed Form:

- **Mail** the completed PW30R form (3 pages) to: NYSDOL Bureau of Public Work, SOBC – Bldg.12 – Rm.130, Albany, NY 12240 **-OR-**
- **Fax** the completed PW30R form (3 pages) to: NYSDOL Bureau of Public Work at (518)485-1870



New York State Department of Labor
Bureau of Public Work
 W. Averell Harriman State Office Campus
 Building 12 - Room 130
 Albany, New York 12240
 Phone - (518) 457-5589 Fax - (518) 485-1870

Employer Registration for Use of 4 Day / 10 Hour Work Schedule

Before completing Form PW30R check to be sure ...
 There is a *Dispensation of Hours* in place on the project.
 The 4 Day / 10 Hour Work Schedule applies to the Job Classifications you will be using.
 The 4 Day / 10 Hour Work Schedule applies to the County / Counties where the work will take place.

Please Type or Print the Requested Information

When completed ...
 Mail to NYSDOL Bureau of Public Work, SOBC, Bldg. 12, Rm.130, Albany, NY 12240
 -or-
 Fax to NYSDOL Bureau of Public Work at (518) 485-1870

Contractor Information

Company Name: _____ FEIN: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone Number _____ Fax Number: _____ Email Address: _____
 Contact Person: _____
 Phone No: _____ Fax No: _____ Email: _____

Project Information

Project PRC#: _____ Project Name/Type: _____
 Exact Location of Project: _____ County: _____
 (If you are Subcontractor)
 Prime Contractor Name: _____
 Job Classification(s) to Work 4/10 Schedule: *(Choose all that apply on Job Classification Checklist - Pages 2 & 3)*
 *** Do not write in any additional Classifications or Counties***

Requestor Information

Name: _____
 Title: _____ Date : _____

Please use the list below with the number assigned to each county as a reference to the corresponding numbers listed in the following pages under "Entire Counties" & "Partial Counties".

- | | | | |
|-----|-----------------------------|-----|---------------------------------|
| 1. | Albany County | 33. | Oneida County |
| 2. | Allegany County | 34. | Onondaga County |
| 3. | Bronx County | 35. | Ontario County |
| 4. | Broome County | 36. | Orange County |
| 5. | Cattaraugus County | 37. | Orleans County |
| 6. | Cayuga County | 38. | Oswego County |
| 7. | Chautauqua County | 39. | Otsego County |
| 8. | Chemung County | 40. | Putnam County |
| 9. | Chenango County | 41. | Queens County |
| 10. | Clinton County | 42. | Rensselaer County |
| 11. | Columbia County | 43. | Richmond County (Staten Island) |
| 12. | Cortland County | 44. | Rockland County |
| 13. | Delaware County | 45. | Saint Lawrence County |
| 14. | Dutchess County | 46. | Saratoga County |
| 15. | Erie County | 47. | Schenectady County |
| 16. | Essex County | 48. | Schoharie County |
| 17. | Franklin County | 49. | Schuyler County |
| 18. | Fulton county | 50. | Seneca County |
| 19. | Genesee County | 51. | Steuben County |
| 20. | Greene County | 52. | Suffolk County |
| 21. | Hamilton County | 53. | Sullivan County |
| 22. | Herkimer County | 54. | Tioga County |
| 23. | Jefferson County | 55. | Tompkins County |
| 24. | Kings County (Brooklyn) | 56. | Ulster County |
| 25. | Lewis County | 57. | Warren county |
| 26. | Livingston County | 58. | Washington County |
| 27. | Madison County | 59. | Wayne County |
| 28. | Monroe County | 60. | Westchester County |
| 29. | Montgomery County | 61. | Wyoming County |
| 30. | Nassau County | 62. | Yates County |
| 31. | New York County (Manhattan) | | |
| 32. | Niagara County | | |

Job Classification Checklist

(Place a checkmark by all classifications that will be using the 4/10 schedule)

*** Do not write in any additional Classifications or Counties***

Job Classification	Tag #	Entire Counties	Partial Counties	Check Box
Carpenter-Building	276B-All	7	2, 5	<input type="checkbox"/>
Carpenter-Building	276B-Cat	15	5	<input type="checkbox"/>
Carpenter - Building	276-B--LIV	26, 28, 35, 59	61	<input type="checkbox"/>
Carpenter-Building	276B-Gen	19, 32, 37	61	<input type="checkbox"/>
Carpenter-Floor Layers	276B-FL-Liv	26, 28, 35, 59	61	<input type="checkbox"/>
Carpenter-Heavy&Highway	276HH-All	2, 5, 7		<input type="checkbox"/>
Carpenter-Heavy&Highway	276HH-Erie	15		<input type="checkbox"/>
Carpenter-Heavy&Highway	276HH- Gen	19, 32, 37, 61		<input type="checkbox"/>
Carpenter-Heavy&Highway	276HH-Liv	26, 28, 35, 59		<input type="checkbox"/>
Carpenter-Residential	276R-All	7	2, 5	<input type="checkbox"/>
Carpenter - Building	277B-Bro	4, 54		<input type="checkbox"/>
Carpenter - Building	277B-CAY	6, 50, 62		<input type="checkbox"/>
Carpenter - Building	277B-CS	8, 12, 49, 51, 55	2	<input type="checkbox"/>
Carpenter - Building	277 JLS	23, 25, 45		<input type="checkbox"/>
Carpenter - Building	277 omh	22, 27, 33		<input type="checkbox"/>
Carpenter - Building	277 On	34		<input type="checkbox"/>
Carpenter - Building	277 Os	38		<input type="checkbox"/>
Carpenter - Building	277CDO Bldg	9, 13, 39		<input type="checkbox"/>
Carpenter - Heavy&Highway	277CDO HH	9, 13, 39		<input type="checkbox"/>
Carpenter - Heavy&Highway	277HH-BRO	4, 6, 8, 12, 49, 50, 51, 54, 55, 62, 22, 23, 25, 27, 33, 34, 38, 45		<input type="checkbox"/>
Carpenter - Building	291B-Alb	1, 18, 20, 29, 42, 47, 48		<input type="checkbox"/>
Carpenter - Building	291B-Cli	10, 16, 17		<input type="checkbox"/>
Carpenter - Building	291B-Ham	21, 57, 58		<input type="checkbox"/>
Carpenter - Building	291B-Sar	46		<input type="checkbox"/>
Carpenter - Heavy&Highway	291HH-Alb	1, 10, 16, 17, 18, 20, 21, 29, 42, 46, 47, 48, 57, 58		<input type="checkbox"/>
Electrician	25m	30, 52		<input type="checkbox"/>
Electrician-Teledata Cable Splicer	43	12, 22, 27, 33, 38	6, 9, 34, 39, 55, 59	<input type="checkbox"/>

Job Classification Checklist

(Place a checkmark by all classifications that will be using the 4/10 schedule)

*** Do not write in any additional Classifications or Counties***

Job Classification	Tag #	Entire Counties	Partial Counties	Check Box
Electrician	86	26, 28	19, 35, 37, 59, 61	<input type="checkbox"/>
Electrician	840Teledata and 840 Z1	62	6, 34, 35, 50, 59	<input type="checkbox"/>
Electrician	910	10, 16, 17, 23, 25, 45		<input type="checkbox"/>
Electrician Lineman	1049Line/Gas	30, 41, 52		<input type="checkbox"/>
Electrician Lineman	1249a	1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 44, 46, 47, 48, 49, 50, 45, 51, 53, 54, 55, 56, 57, 58, 59, 61, 62		<input type="checkbox"/>
Electrical Lineman	1249a West	60		<input type="checkbox"/>
Electrical Lineman	1249a-LT	1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 32, 33, 34, 35, 37, 38, 39, 42, 46, 47, 48, 49, 50, 45, 51, 53, 54, 55, 57, 58, 59, 61, 62		<input type="checkbox"/>
Electrical Lineman	1249aREG8LT	11, 14, 36, 40, 44, 56		<input type="checkbox"/>
Electrical Lineman	1249aWestLT	60		<input type="checkbox"/>
Elevator Constructor	138	11, 14, 20, 36, 40, 53, 56	13, 44, 60	<input type="checkbox"/>
Elevator Constructor	14	2, 5, 7, 15, 19, 32, 37, 61		<input type="checkbox"/>
Elevator Constructor	27	8, 26, 28, 35, 49, 50, 51, 59, 62		<input type="checkbox"/>
Elevator Constructor	35	1, 10, 16, 18, 21, 22, 29, 39, 42, 46, 47, 48, 57, 58		<input type="checkbox"/>
Elevator Constructor	62.1	4, 6, 9, 12, 23, 25, 27, 33, 34, 38, 45, 54, 55	13	<input type="checkbox"/>
Glazier	201	1, 10, 11, 16, 17, 18, 20, 21, 29, 42, 46, 47, 48, 57, 58		<input type="checkbox"/>
Glazier	660r	2, 5, 7, 15, 19, 32, 37, 61		<input type="checkbox"/>
Glazier	660	2, 5, 7, 15, 19, 32, 37, 61		<input type="checkbox"/>
Glazier	677.1	23, 25, 26, 28, 35, 45, 50, 59, 62		<input type="checkbox"/>
Glazier	677Z-2	6, 12, 22, 27, 33, 34, 38		<input type="checkbox"/>
Glazier	677z3	4, 8, 9, 13, 39, 49, 51, 54, 55		<input type="checkbox"/>
Glazier	677r.2	6, 12, 22, 27, 33, 34, 38		<input type="checkbox"/>
Insulator - Heat & Frost	30-Syracuse	4, 6, 8, 9, 12, 22, 23, 25, 27, 33, 34, 38, 39, 49, 50, 45, 54, 55		<input type="checkbox"/>
Laborers - Building	322-2H	17, 23, 25, 45		<input type="checkbox"/>
Laborers - Building	785(7)	4	9, 13, 54	<input type="checkbox"/>

Job Classification Checklist

(Place a checkmark by all classifications that will be using the 4/10 schedule)

*** Do not write in any additional Classifications or Counties***

Job Classification	Tag #	Entire Counties	Partial Counties	Check Box
Laborers - Building	785B-CS	8, 51	49	<input type="checkbox"/>
Laborers- Heavy & Highway	322/2h	17, 23, 25, 45		<input type="checkbox"/>
Laborers- Heavy & Highway	7-785b	12, 55	49, 54	<input type="checkbox"/>
Laborers Heavy & Highway	785(7)	4	9, 13, 54	<input type="checkbox"/>
Laborer - Heavy & Highway	785HH-CS	8, 51	49	<input type="checkbox"/>
Laborer - Building	621b	2, 7	5	<input type="checkbox"/>
Laborer - Residential	621r	2, 7	5	<input type="checkbox"/>
Mason-Building	2TS.1	1, 10,11, 16, 17, 18, 20, 21, 29, 42, 46, 47, 48, 57, 58		<input type="checkbox"/>
Mason-Building	2TS.2	22, 23, 25, 33, 45	27	<input type="checkbox"/>
Mason-Building	2TS.3	6, 34, 38	27	<input type="checkbox"/>
Mason-Building	2b-on	34		<input type="checkbox"/>
Mason-Building	2b.1	1, 11, 18, 20, 21, 29, 42, 46, 47, 48, 58	57	<input type="checkbox"/>
Mason-Building	2b.2	22, 33	25	<input type="checkbox"/>
Mason-Building	2b.3	6, 34	27	<input type="checkbox"/>
Mason-Building	2b.4	38		<input type="checkbox"/>
Mason-Building	2b.5	23	25	<input type="checkbox"/>
Mason-Building	2b.6	45		<input type="checkbox"/>
Mason-Building	2b.8	10, 16, 17	57	<input type="checkbox"/>
Mason-Building	3b-Co-Z2	8, 49, 51	2	<input type="checkbox"/>
Mason-Building	3B-Z1	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Building-Residential	3B-Z1R	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Building	3B-Bing-Z2	4, 9, 13, 39, 54		<input type="checkbox"/>
Mason-Building	3B-lth-Z2	12, 55		<input type="checkbox"/>
Mason-Building	3B-Jam-Z2	7	2, 5	<input type="checkbox"/>
Mason-Building-Residential	3B-Jam-Z2R	2, 4, 8, 7, 9, 12, 39, 13, 49, 51, 54, 55	<u>5</u>	<input type="checkbox"/>
Mason-Building	3B-Z3	15, 32	5	<input type="checkbox"/>

Job Classification Checklist

(Place a checkmark by all classifications that will be using the 4/10 schedule)

*** Do not write in any additional Classifications or Counties***

Job Classification	Tag #	Entire Counties	Partial Counties	Check Box
Mason-Building	3B-Z3.Orleans	37		<input type="checkbox"/>
Mason-Residential	3B-Z3R	15, 32	5	<input type="checkbox"/>
Mason-Residential	3B-Z3R.Orleans	37		<input type="checkbox"/>
Mason-Heavy Highway	3h	2, 4, 8, 7, 9, 12, 13, 19, 26, 28, 35, 37, 39, 49, 50, 51, 54, 55, 59, 61, 62	5, 15, 32	<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z1	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z2	2, 4, 8, 7, 9, 12, 13, 39, 49, 51, 54, 55	5	<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z3	15, 32, 37	5	<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z1R	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z2R	2, 4, 7, 9, 12, 13, 39, 49, 51, 54, 55	5	<input type="checkbox"/>
Mason-Tile Finisher	3TF-Z3R	15, 32, 37	5	<input type="checkbox"/>
Mason-Tile Setter	3TS-Z1	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Tile Setter Residential	3TS-Z1R	19, 26, 28, 35, 50, 59, 61, 62		<input type="checkbox"/>
Mason-Tile Setter	3TS-Z2	2, 4, 7, 8, 9, 12, 13, 39, 49, 51, 54, 55	5	<input type="checkbox"/>
Mason-Tile Setter Residential	3TS-Z2R	2, 4, 7, 8, 9, 12, 13, 39, 49, 51, 54, 55	5	<input type="checkbox"/>
Mason-Tile Setter Residential	3TS-Z3R	15, 32, 37	5	<input type="checkbox"/>
Mason - Building/Heavy&Highway	780	3, 24, 30, 31, 41, 43, 52		<input type="checkbox"/>
Operating Engineer - Heavy/Highway	137H/H	40, 60	14	<input type="checkbox"/>
Operating Engineer - Heavy& Highway	158-832H	2, 8, 26, 28, 35, 49, 51, 59, 62	19	<input type="checkbox"/>
Painter	1456-LS	1, 3, 10, 11, 14, 16, 17, 18, 20, 21, 24, 29, 30, 31, 36, 40, 41, 42, 43, 44, 46, 47, 48, 52, 53, 56, 57, 58, 60		<input type="checkbox"/>
Painter	150	28, 59, 62	26, 35	<input type="checkbox"/>
Painter	178 B	4, 9, 54		<input type="checkbox"/>
Painter	178 E	8, 49	51	<input type="checkbox"/>
Painter	178 I	12, 55		<input type="checkbox"/>
Painter	178 O	13, 39		<input type="checkbox"/>
Painter	31	6, 22, 27, 33, 34, 50	25, 35, 38	<input type="checkbox"/>

Job Classification Checklist

(Place a checkmark by all classifications that will be using the 4/10 schedule)

**** Do not write in any additional Classifications or Counties****

Job Classification	Tag #	Entire Counties	Partial Counties	Check Box
Painter	38.O		38	<input type="checkbox"/>
Painter	38.W	23, 45	25	<input type="checkbox"/>
Painter	4-Buf,Nia,Olean	2, 15, 19, 32, 37, 61	5, 7, 26, 51	<input type="checkbox"/>
Painter	4-Jamestown		5, 7	<input type="checkbox"/>
Painter	38.O		38	<input type="checkbox"/>
Painter	38.W	23, 45	25	<input type="checkbox"/>
Painter	4-Buf,Nia,Olean	2, 15, 19, 32, 37, 61	5, 7, 26, 51	<input type="checkbox"/>
Painter	4-Jamestown		5, 7	<input type="checkbox"/>
Sheetmetal Worker	46	26, 28, 35, 50, 59, 62		<input type="checkbox"/>
Sheetmetal Worker	46r	26, 28, 35, 50, 59, 62		<input type="checkbox"/>
Teamsters-Heavy&Highway	294h/h	1, 11, 18, 20, 29, 42, 46, 47, 48, 58	57	<input type="checkbox"/>
Teamsters-Heavy&Highway	317bhh	6, 12, 50, 51, 55, 62	2	<input type="checkbox"/>
Teamsters-Building/Heavy&Highway	456	40, 60		<input type="checkbox"/>

Introduction to the Prevailing Rate Schedule

Information About Prevailing Rate Schedule

This information is provided to assist you in the interpretation of particular requirements for each classification of worker contained in the attached Schedule of Prevailing Rates.

Classification

It is the duty of the Commissioner of Labor to make the proper classification of workers taking into account whether the work is heavy and highway, building, sewer and water, tunnel work, or residential, and to make a determination of wages and supplements to be paid or provided. It is the responsibility of the public work contractor to use the proper rate. If there is a question on the proper classification to be used, please call the district office located nearest the project. District office locations and phone numbers are listed below.

Prevailing Wage Schedules are issued separately for "General Construction Projects" and "Residential Construction Projects" on a county-by-county basis.

General Construction Rates apply to projects such as: Buildings, Heavy & Highway, and Tunnel and Water & Sewer rates.

Residential Construction Rates generally apply to construction, reconstruction, repair, alteration, or demolition of one family, two family, row housing, or rental type units intended for residential use.

Some rates listed in the Residential Construction Rate Schedule have a very limited applicability listed along with the rate. Rates for occupations or locations not shown on the residential schedule must be obtained from the General Construction Rate Schedule. Please contact the local Bureau of Public Work office before using Residential Rate Schedules, to ensure that the project meets the required criteria.

Paid Holidays

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

Overtime

At a minimum, all work performed on a public work project in excess of eight hours in any one day or more than five days in any workweek is overtime. However, the specific overtime requirements for each trade or occupation on a public work project may differ. Specific overtime requirements for each trade or occupation are contained in the prevailing rate schedules.

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays.

The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Supplemental Benefits

Particular attention should be given to the supplemental benefit requirements. In most cases the payment or provision of supplements is for each hour worked (noted in the schedule as 'Per hour worked'). Some classifications require the payment or provision of supplements for each hour paid (noted in the schedule as 'Per hour paid'), which require supplements to be paid or provided at a premium rate for premium hours worked. Some classifications may also require the payment or provision of supplements for paid holidays on which no work is performed.

Effective Dates

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. The rate listed is valid until the next effective rate change or until the new annual determination which takes effect on July 1 of each year. All contractors and subcontractors are required to pay the current prevailing rates of wages and supplements. If you have any questions please contact the Bureau of Public Work or visit the New York State Department of Labor website (www.labor.state.ny.us) for current wage rate information.

Apprentice Training Ratios

The following are the allowable ratios of registered Apprentices to Journey-workers.

For example, the ratio 1:1,1:3 indicates the allowable initial ratio is one Apprentice to one Journeyworker. The Journeyworker must be in place on the project before an Apprentice is allowed. Then three additional Journeyworkers are needed before a second Apprentice is allowed. The last ratio repeats indefinitely. Therefore, three more Journeyworkers must be present before a third Apprentice can be hired, and so on.

Please call Apprentice Training Central Office at (518) 457-6820 if you have any questions.

Title (Trade)	Ratio
Boilermaker (Construction)	1:1,1:4
Boilermaker (Shop)	1:1,1:3
Carpenter (Bldg.,H&H, Pile Driver/Dockbuilder)	1:1,1:4
Carpenter (Residential)	1:1,1:3

Electrical (Outside) Lineman	1:1,1:2
Electrician (Inside)	1:1,1:3
Elevator/Escalator Construction & Modernizer	1:1,1:2
Glazier	1:1,1:3
Insulation & Asbestos Worker	1:1,1:3
Iron Worker	1:1,1:4
Laborer	1:1,1:3
Mason	1:1,1:4
Millwright	1:1,1:4
Op Engineer	1:1,1:5
Painter	1:1,1:3
Plumber & Steamfitter	1:1,1:3
Roofer	1:1,1:2
Sheet Metal Worker	1:1,1:3
Sprinkler Fitter	1:1,1:2

If you have any questions concerning the attached schedule or would like additional information, please contact the nearest BUREAU of PUBLIC WORK District Office or write to:

New York State Department of Labor
Bureau of Public Work
State Office Campus, Bldg. 12
Albany, NY 12240

District Office Locations:	Telephone #	FAX #
Bureau of Public Work - Albany	518-457-2744	518-485-0240
Bureau of Public Work - Binghamton	607-721-8005	607-721-8004
Bureau of Public Work - Buffalo	716-847-7159	716-847-7650
Bureau of Public Work - Garden City	516-228-3915	516-794-3518
Bureau of Public Work - Newburgh	845-568-5287	845-568-5332
Bureau of Public Work - New York City	212-932-2419	212-775-3579
Bureau of Public Work - Patchogue	631-687-4882	631-687-4902
Bureau of Public Work - Rochester	585-258-4505	585-258-4708
Bureau of Public Work - Syracuse	315-428-4056	315-428-4671
Bureau of Public Work - Utica	315-793-2314	315-793-2514
Bureau of Public Work - White Plains	914-997-9507	914-997-9523
Bureau of Public Work - Central Office	518-457-5589	518-485-1870

Westchester County General Construction

Boilermaker **12/01/2015**

JOB DESCRIPTION Boilermaker

DISTRICT 4

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Per Hour: 07/01/2015

Boilermaker \$ 51.56
Repairs & Renovations \$ 51.56

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2015

Boilermaker 32% of hourly
Repairs & Renovations Wage Paid
+ \$25.19

NOTE: "Hourly Wage Paid" shall include any and all premium(s) pay.

Repairs & Renovation Includes replacement of parts and repairs & renovation of existing unit.

OVERTIME PAY

OVERTIME PAY

See (D, O) on OVERTIME PAGE

HOLIDAY

Paid: See (8, 16, 23, 24) on HOLIDAY PAGE

Overtime: See (5, 6, 11, 12, 15, 25) on HOLIDAY PAGE

NOTE: *Employee must work in pay week to receive Holiday Pay.

**Boilermaker gets 4 times the hourly wage rate for working on Labor Day.

***Repairs & Renovation see (B,E,Q) on HOLIDAY PAGE

HOLIDAY

REGISTERED APPRENTICES

Wage per hour:

(1/2) Year Terms at the following percentage of Boilermaker's Wage

1st	2nd	3rd	4th	5th	6th	7th	8th
65%	65%	70%	75%	80%	85%	90%	95%

Supplemental Benefits Per Hour:

Apprentice(s) 07/01/2015
32% of Hourly
Wage Paid Plus
Amount Below

1st Term	\$ 19.27
2nd Term	20.11
3rd Term	20.95
4th Term	21.80
5th Term	22.65
6th Term	23.49
7th Term	24.33

NOTE: "Hourly Wage Paid" shall include any and all premium(s)

4-5

Carpenter **12/01/2015**

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester

PARTIAL COUNTIES

Orange: South of but including the following, Waterloo Mills, Slate Hill, New Hampton, Goshen, Blooming Grove, Mountainville, east to the Hudson River.

Putnam: South of but including the following, Cold Spring, TompkinsCorner, Mahopac, Croton Falls, east to Connecticut border.
 Suffolk: West of Port Jefferson and Patchogue Road to Route 112 to the Atlantic Ocean.

WAGES

Per hour: 07/01/2015 10/17/2015

Core Drilling:
 Driller \$ 36.82 + Additional \$ 2.21
 Driller Helper \$ 29.44 + Additional \$ 1.94

Additional Helpers: One (1) year increments. This is not an apprenticeship for Driller:
 Helper 1st year \$ 20.61
 Helper 2nd year 23.55
 Helper 3rd year 26.50
 Helper 4th year 29.44

Note: Hazardous Waste Pay Differential:
 For Level C, an additional 10% above wage rate per hour
 For Level B, an additional 10% above wage rate per hour
 For Level A, an additional 10% above wage rate per hour
 Note: When required to work on water: an additional \$ 0.50 per hour.

SUPPLEMENTAL BENEFITS

Per hour paid: 07/01/2015 10/17/2015
 Driller and All Helpers \$ 22.79 \$ 22.79

OVERTIME PAY

OVERTIME: See (B,E,K*,P,R**) on OVERTIME PAGE.

HOLIDAY

Paid: See (5,6) on HOLIDAY PAGE.
 Overtime: * See (5,6) on HOLIDAY PAGE.
 ** See (8,10,11,13) on HOLIDAY PAGE.

8-1536-CoreDriller

Carpenter 12/01/2015

JOB DESCRIPTION Carpenter **DISTRICT 8**

ENTIRE COUNTIES
 Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Per Hour: 07/01/2015

Timberman \$ 45.60

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2015
 \$ 47.05

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18,19) on HOLIDAY PAGE.

Paid: for 1st & 2nd yr. Apprentices See (5,6,11,13,16,18,19,25)

Overtime: See (5,6,11,13,16,18,19,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wages per hour:
 (1) year terms:
 1st 2nd 3rd 4th
 \$18.24 \$22.80 \$29.64 \$36.48

Supplemental benefits per hour:
\$ 31.92

8-1556 Tm

Carpenter

12/01/2015

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2015

Building
Millwright \$ 48.44
+ Additional
\$ 2.40

SUPPLEMENTAL BENEFITS

Per hour paid:

Millwright \$ 50.49

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18,19)* on HOLIDAY PAGE.

Overtime See (5,6,8,11,13,18,19,25) on HOLIDAY PAGE.

* must show up to work

REGISTERED APPRENTICES

Wages per hour is Percentage of Journeyworkers wage:

(1) year terms:

1st.	2nd.	3rd.	4th.
\$26.64	\$31.49	\$36.33	\$46.02

Supplemental benefits per hour paid:

(1) year terms:

1st.	2nd.	3rd.	4th.
\$32.81	\$36.15	\$40.63	\$46.21

8-740.1

Carpenter

12/01/2015

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per Hour: 07/01/2015

Marine Construction:

Marine Diver \$ 61.30
Marine Tender 43.45

SUPPLEMENTAL BENEFITS

Per Hour Paid:

Journeyman \$ 46.09

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18, 19) on HOLIDAY PAGE
Overtime: See (5, 6, 10, 11, 13, 16, 18, 19) on HOLIDAY PAGE

8-1456MC

Carpenter**12/01/2015**

JOB DESCRIPTION Carpenter**DISTRICT 8****ENTIRE COUNTIES**

Bronx, Dutchess, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

PARTIAL COUNTIES

Orange: The area lying on Southern side of Orange County demarcated by a line drawn from the Bear Mountain Bridge continuing east to the Bear Mountain Circle, continue North on 9W to the town of Cornwall where County Road 107 (also known as Quaker Rd) crosses under 9W, then east on County Road 107 to Route 32, then north on Route 32 to Orrs Mills Rd, then west on Orrs Mills Rd to Route 94, continue west and south on Route 94 to the Town of Chester, to the intersection of Kings Highway, continue south on Kings Highway to Bellvale Rd, west on Bellvale Rd to Bellvale Lakes Rd, then south on Bellvale Lakes Rd to Kain Rd, southeast on Kain Rd to Route 17A, then north and southeast along Route 17A to Route 210, then follow Route 210 to NJ Border.

WAGES

Per hour: 07/01/2015

Carpet/Resilient

Floor Coverer \$ 49.88

INCLUDES HANDLING & INSTALLATION OF ARTIFICIAL TURF AND SIMILAR TURF INDOORS/OUTDOORS.

SUPPLEMENTAL BENEFITS

Per hour paid:

Floor Coverer \$ 44.07

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18, 19) on HOLIDAY PAGE.

Paid: for 1st & 2nd yr.

Apprentices See (5,6,11,13,16,18,19,25)

Overtime: See (5,6,11,13,16,18,19,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wage per hour is Percentage of Journeyworkers Wage

(1) year terms:

1st.	2nd.	3rd.	4th.
\$19.95	\$24.94	\$32.42	\$39.90

Supplemental benefits per hour:

\$ 30.22

8-2287

Carpenter**12/01/2015**

JOB DESCRIPTION Carpenter**DISTRICT 8****ENTIRE COUNTIES**

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2015

Piledriver \$ 50.50

Dockbuilder \$ 50.50

SUPPLEMENTAL BENEFITS

Per hour paid:

Journeyworker \$ 47.03

OVERTIME PAY

See (B, E2, O) on OVERTIME PAGE

HOLIDAY

Paid: See (18,19)on HOLIDAY PAGE.

Paid: for 1st & 2nd yr.

Apprentices See (5,6,11,13,16,18,19,25)

Overtime: See (5,6,11,13,16,18,19,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wages per hour

(1)year terms:

1st	2nd	3rd	4th
\$20.20	\$25.25	\$32.83	\$40.40

Supplemental benefits per hour:

Apprentices \$ 31.90

8-1556 Db

Carpenter - Building / Heavy&Highway

12/01/2015

JOB DESCRIPTION Carpenter - Building / Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Putnam, Rockland, Westchester

WAGES

WAGES:(per hour)

07/01/2015

BUILDING:

Carpenter \$ 44.47

HEAVY/HIGHWAY:

Carpenter \$ 44.47

Carpenter Concrete Forms \$ 44.47

SHIFT DIFFERENTIAL: When it is mandated by a Government Agency irregular or off shift can be worked. The Carpenter shall receive an additional fifteen(15) percent of wage plus applicable benefits.

NOTE:Carpenters employed in the abatement or removal of asbestos or any toxic or hazardous material or required to work near asbestos or any toxic or hazardous material and required to wear protective equipment shall receive two (2) hours extra pay per day, plus applicable supplemental benefits.

SUPPLEMENTAL BENEFITS

Per hour paid:

BUILDING AND HEAVY/HIGHWAY:

Journeyworker \$ 29.73

OVERTIME PAY

BUILDING:

See (B, E, E2, Q,) on OVERTIME PAGE.

HEAVY/HIGHWAY:

See (B, E, E2, Q*, T**) on OVERTIME PAGE.

HOLIDAY

BUILDING:

Paid: See (1) on HOLIDAY PAGE.

Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE.

HEAVY/HIGHWAY:

Paid: See (5, 6, 16, 25) on HOLIDAY PAGE including benefits.

Overtime: See (5*, 6*, 16**, 25**) on HOLIDAY PAGE.

*NOTE: For Holidays 5 and 6 code T applies, with benefits at straight time rate.

**NOTE: For Holidays 16 and 25 code Q applies, with benefits at straight time rate.

REGISTERED APPRENTICES

(1)year terms at the following wage rates.

BUILDING-HEAVY/HIGHWAY:

1st	2nd	3rd	4th
\$21.83	\$25.49	\$29.14	\$32.80

Supplemental Benefits per hour paid:

Apprentices

All terms \$ 15.35

11-279.1B/HH

Electrician

12/01/2015

JOB DESCRIPTION Electrician

DISTRICT 8

ENTIRE COUNTIES

Westchester

WAGES

Per hour:

	07/01/2015	04/28/2016
Electrician/A-Technician	\$ 50.75	\$ 50.75
Teledata	\$ 50.75	\$ 50.75

* Note: All maintenance (TEMPORARY WORK ONLY) of feeders, sub-feeders and wiring of electrical equipment for HEATING OF BUILDINGS shall be paid for at 80% of the regular hourly rate for the first 40 hours. After 40 hours they shall be paid time and one-half.

Note: On a job where employees are required to work on bridges over navigable waters, transmission towers, light poles, bosun chairs, swinging scaffolds , etc. 40 feet or more above the water or ground or under compressed air, or tunnel projects under construction or where assisted breathing apparatus is required, they will be paid at the rate of time and one-half for such work except on normal pole line or building construction work.

SUPPLEMENTAL BENEFITS

Per hour worked:

	07/01/2015	04/28/2016
Journeyworker	\$ 42.43	\$ 43.70

OVERTIME PAY

See (A, G, *J, P) on OVERTIME PAGE

*NOTE: Emergency work on Sunday and Holidays is at the time and one-half overtime rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Entering Program PRIOR to April 23, 2014

(1) year terms at the following wage rates:

	07/01/2015	04/28/2016
1st term	\$ 13.75	\$ 13.75
2nd term	16.55	16.55
3rd term	18.65	18.65
4th term	20.60	20.60
MIJ	26.00	26.00

Supplemental Benefits per hour worked:

	07/01/2015	04/28/2016
1st term	\$ 9.74	\$ 9.74
2nd term	13.18	13.18
3rd term	14.58	14.58
4th term	15.88	15.88
MIJ	13.26	13.26

Entering Program AFTER April 23, 2014
 (1) year terms at the following wage rates:

	07/01/2015	04/28/2016
1st term	\$ 12.50	\$ 12.50
2nd term	14.50	14.50
3rd term	16.50	16.50
4th term	18.50	18.50
MIJ 1-12 months	22.50	22.50
MIJ 13-18 months	26.00	26.00

Supplemental Benefits per hour worked:

	07/01/2015	04/28/2016
1st term	\$ 8.88	\$ 8.88
2nd term	11.77	11.77
3rd term	13.10	13.10
4th term	14.43	14.43
MIJ 1-12 months	11.95	11.95
MIJ 13-18 months	13.26	13.26

8-3/W

Electrician

12/01/2015

JOB DESCRIPTION Electrician

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, New York, Queens, Richmond, Westchester

WAGES

Per hour Paid:	07/01/2015	03/09/2016
Service Technician	\$ 31.40	\$ 32.00

Service and Maintenance on Alarm and Security Systems.

Maintenance, repair and /or replacement of defective (or damaged) equipment on, but not limited to, Burglar - Fire - Security - CCTV - Card Access - Life Safety Systems and associated devices. (Whether by service contract of T&M by customer request.)

SUPPLEMENTAL BENEFITS

Per hour:		
Journeyworker:	\$ 14.76	\$ 15.47

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 11, 15, 16, 25, 26) on HOLIDAY PAGE

9-3H

Electrician

12/01/2015

JOB DESCRIPTION Electrician

DISTRICT 8

ENTIRE COUNTIES

Westchester

WAGES

Entering Program PRIOR to April 23, 2014

	07/01/2015	04/28/2016
Electrician	\$ 26.00	\$ 26.00
H - Telephone	\$ 26.00	\$ 26.00

Entering Program AFTER April 23, 2014

	07/01/2015	04/28/2016
Electrician	\$ 22.50	\$ 22.50
H - Telephone	\$ 22.50	\$ 22.50

Electrical and Teledata work of limited scope, consisting of repairs and /or replacement of electrical and teledata equipment.
 - Includes all work necessary to retrofit, service, maintain and repair all kinds of lighting fixtures and local lighting controls and washing and cleaning of foregoing fixtures.
 See Electrician/A Technician classification for all new installations of wiring, conduit, junction boxes and light fixtures.

SUPPLEMENTAL BENEFITS

Entering Program PRIOR to April 23, 2014

	07/01/2015	04/28/2016
Electrician & H - Telephone	\$ 13.26	\$ 13.26

Entering Program AFTER April 23, 2014

	07/01/2015	04/28/2016
Electrician & H - Telephone	\$ 11.95	\$ 11.95

OVERTIME PAY

See (B, G, *J, P) on OVERTIME PAGE

*Note: Emergency work on Sunday and Holidays is
 at the time and one-half overtime rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

8-3m

Elevator Constructor

12/01/2015

JOB DESCRIPTION Elevator Constructor

DISTRICT 1

ENTIRE COUNTIES

Columbia, Dutchess, Greene, Orange, Putnam, Sullivan, Ulster

PARTIAL COUNTIES

Delaware: Towns of Andes, Bovina, Colchester, Davenport, Delhi, Harpersfield, Hemdon, Kortright, Meredith, Middletown, Roxbury, Hancock & Stamford
 Rockland: Only the Township of Stony Point.
 Westchester: Only the Townships of Bedford, Lewisboro, Cortland, Mt. Kisco, North Salem, Pound Ridge, Somers and Yorktown.

WAGES

Per Hour	07/01/2015	01/01/2016
		Additional
Mechanic	\$ 52.51	\$2.80
Helper	70% of Mechanic Wage Rate	

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour worked

	07/01/2015
Journeyman/Helper	\$ 28.385*

(*)Plus 6% of gross wages if less than 5 years service
 (*)Plus 8% of gross wages if more than 5 years service

OVERTIME PAY

See (D, O) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 15, 16) on HOLIDAY PAGE
 Overtime: See (5, 6, 15, 16) on HOLIDAY PAGE

Note: When a paid holiday falls on Saturday, it shall be observed on Friday. When a paid holiday falls on Sunday, it shall be observed on Monday.

REGISTERED APPRENTICES

Wages per hour:

0-6 mo*	6-12 mo	2nd yr	3rd yr	4th yr
50 %	55 %	65 %	70 %	80 %

*No supplemental benefits

Supplemental Benefits per hour worked:

Same as Journeyman/Helper

1-138

Elevator Constructor

12/01/2015

JOB DESCRIPTION Elevator Constructor

DISTRICT 4

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk

PARTIAL COUNTIES

Rockland: Entire County except for the Township of Stony Point

Westchester: Entire County except for the Townships of Bedford, Lewisboro, Cortland, Mt. Kisco, North Salem, Pound Ridge, Somers and Yorktown.

WAGES

Per hour:

	07/01/2015	03/17/2016
Elevator Constructor	\$ 59.55	\$ 60.96
Modernization & Service/Repair	46.92	47.91

SUPPLEMENTAL BENEFITS

Per Hour:

Elevator Constructor	\$ 35.17	\$ 36.86
Modernization & Service/Repair	34.21	35.87

OVERTIME PAY

Constructor. See (D, M, T) on OVERTIME PAGE.

Modern./Service See (B, F, S) on OVERTIME PAGE.

HOLIDAY

Paid: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES PER HOUR:

*Note:1st Term is based on Average wage of Constructor & Modernization.

Terms 2 thru 4 Based on Journeyman's wage of classification Working in.

1 YEAR TERMS:

1st Term*	2nd Term	3rd Term	4th Term
50%	55%	65%	75%

SUPPLEMENTAL BENEFITS

Elevator Constructor

1st Term	\$ 28.93	\$ 30.44
2nd Term	29.73	31.27
3rd Term	30.94	32.51
4th Term	32.15	33.75

Modernization & Service/Repair

1st Term	\$ 28.85	\$ 30.37
2nd Term	29.21	30.73

3rd Term	30.32	31.87
4th Term	31.43	33.02

Glazier **12/01/2015**

JOB DESCRIPTION Glazier

DISTRICT 8

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Per hour:	07/01/2015	11/01/2015	05/01/2016
Glazier	\$ 52.20*	\$ 52.80*	+Additional \$ 1.50
Scaffolding	\$ 53.20*	\$ 53.80*	+Additional \$ 1.50

Scaffolding includes swing scaffold, mechanical equipment, scissor jacks, man lifts, booms & buckets 24' or more, but not pipe scaffolding.

Repair & Maintenance \$ 27.30*

Repair & Maintenance- All repair & maintenance work on a particular building, whenever performed, where the total cumulative contract value is under \$121,550

*Additional \$.05 per hour for all regular hours worked

SUPPLEMENTAL BENEFITS

Per hour paid:	07/01/2015	11/01/2015
Journeyworker	\$ 28.04	\$ 28.29
Repair & Maintenance	16.14	16.14

OVERTIME PAY

OVERTIME: Premium is applied to the respective base wage only.
 See (C*,D* E2, O) on OVERTIME PAGE.

* If an optional 8th hour is required to complete the entire project, the same shall be paid at the regular rate of pay. If a 9th hour is worked, then both hours or more (8th & 9th or more) will be paid at double time rate of pay.

For Repair & Maintenance see (B,B2, F, P) on overtime page.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (4, 6, 16, 25) on HOLIDAY PAGE
 Paid for the Repair & Maintenance (5, 6, 16 & 25)

REGISTERED APPRENTICES

Wage per hour:

(1) year terms at the following wage rates:

	07/01/2015	11/01/2015
1st term	\$ 17.70	\$ 17.95
2nd term	25.85	26.20
3rd term	31.19	31.54
4th term	41.71	42.14

Supplemental Benefits:
 (Per hour worked)

1st term	\$ 13.84	\$ 13.99
2nd term	19.10	19.26
3rd term	20.97	21.13
4th term	24.32	24.57

Insulator - Heat & Frost

12/01/2015

JOB DESCRIPTION Insulator - Heat & Frost

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Westchester

WAGES

Per hour: 07/01/2015

Insulator \$ 48.45

Discomfort & \$ 49.63

Additional Training**

Fire Stop Work* \$ 25.44

* Applies on all exclusive Fire Stop Work (When contract is for Fire Stop work only). No apprentices on these contracts only.

**Applies to work requiring: garb or equipment worn against the body not customarily worn by insulators;psychological evaluation;special training, including but not limited to "Yellow Badge" radiation training

Note: Additional \$0.50 per hour for work 30 feet or more above floor or ground level.

SUPPLEMENTAL BENEFITS

(per hour paid)

Journeyworker \$ 31.40

Discomfort & \$ 32.20

Additional Training

Fire Stop Work: \$ 16.06

Journeyworker

OVERTIME PAY

See (B, E, E2, Q, *T) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE.

Note: Last working day preceding Christmas and New Years day, workers shall work no later than 12:00 noon and shall receive 8 hrs pay.

Overtime: See (2*, 4, 6, 16, 25) on HOLIDAY PAGE.

*Note: Labor Day triple time if worked.

REGISTERED APPRENTICES

(1) year terms.

Insulator Apprentices:

1st	2nd	3rd	4th
\$ 20.84	\$ 25.44	\$ 34.64	\$ 39.25

Discomfort & Additional Training Apprentices:

1st	2nd	3rd	4th
\$ 21.28	\$ 26.00	\$ 35.44	\$ 40.17

Supplemental Benefits paid per hour paid:

Insulator Apprentices:

1st term	\$ 12.98
2nd term	16.06
3rd term	22.20
4th term	25.27

Discomfort & Additional Training Apprentices:

1st term	\$ 13.29
2nd term	16.44
3rd term	22.75
4th term	25.90

Ironworker **12/01/2015**

JOB DESCRIPTION Ironworker **DISTRICT 4**

ENTIRE COUNTIES
 Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

PARTIAL COUNTIES
 Rockland: Southern section - south of Convent Road and east of Blue Hills Road.

WAGES
 Per hour: 07/01/2015

Reinforcing &
 Metal Lathing \$ 53.63

SUPPLEMENTAL BENEFITS
 Per hour paid:
 Reinforcing & Metal Lathing \$ 31.95

OVERTIME PAY
 See (B, B1, Q) on OVERTIME PAGE

HOLIDAY
 Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 11, 13, 18, 19, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES
 (1) year terms at the following wage rates:
 Wages Per Hour:

1st term	2nd term	3rd term
\$ 23.01	\$ 28.11	\$ 33.21

SUPPLEMENTAL BENEFITS
 Per Hour:

1st term	2nd term	3rd term
\$ 18.18	\$ 18.18	\$ 18.18

4-46Reinf

Ironworker **12/01/2015**

JOB DESCRIPTION Ironworker **DISTRICT 4**

ENTIRE COUNTIES
 Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Per hour:	07/01/2015	01/01/2016
Ornamental	\$ 43.20	\$ 1.25/Hr
Chain Link Fence	43.20	Additional
Guide Rail Installation	43.20	

SUPPLEMENTAL BENEFITS
 Per hour paid:
 Journeyworker: \$ 48.16

OVERTIME PAY
 OVERTIME: See (A*,D1,E**,Q,V) on OVERTIME PAGE.

*Time and one-half shall be paid for all work in excess of seven (7) hours at the end of a work day to a maximum of two (2) hours on any regular work day (8th & 9th hours of work) and double time shall be paid for all work thereafter.

**Time and one-half shall be paid for all work on Saturday up to seven (7) hours and double time shall be paid for all work thereafter.

HOLIDAY
 Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES
 1st term represents first 1-10 months, thereafter (1/2) year terms at the following percentage of Journeyman's wage.

1st	2nd	3rd	4th	5th
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Journeyman \$ 67.83

OVERTIME PAY

See (B*,E**,Q,V) on OVERTIME PAGE.

* Time and one-half shall be paid for all work in excess of (8) eight hours at the end of a work day to a maximum of two hours on any regular work day (the ninth (9th) and tenth (10th) hours of work)and double time shall be paid for all work thereafter.

** Time and one-half shall be paid for all work on Saturday up to eight (8) hours and double time shall be paid for all work thereafter.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 18, 19) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES PER HOUR:

6 month terms at the following rate:

1st \$ 25.48
 2nd 26.08
 3rd - 6th 26.68

Supplemental Benefits
 PER HOUR:
 All Terms 47.32

4-40/361-Str

Laborer - Building

12/01/2015

JOB DESCRIPTION Laborer - Building

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

WAGES

	07/01/2015	05/01/2016
Laborer	\$ 36.55	+ Additional \$ 1.65
Laborer-Asbestos & Hazardous Materials Removal	\$ 38.20*	+ Additional \$ 1.65

* Abatement/Removal of:

Lead based or lead containing paint on materials to be repainted is classified as Painter.
 Asbestos containing roofs and roofing material is classified as Roofer.

Upgrade/Material condition work plan for work performed during non-outage under a wage formula of 90% wage/100% fringe benefits at nuclear power plants.

SUPPLEMENTAL BENEFITS

(per hour worked)
 Journeyworker \$ 23.75

OVERTIME PAY

OVERTIME:..... See (B, E, E2, Q, V*) on OVERTIME PAGE.
 *Note: For Sundays and Holidays worked benefits are at the same premium as wages.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(Laborer Only)

(Hourly) terms at the following wage.

Level A Level B Level C Level D Level E

0-1000 \$ 21.35	1001-2000 \$ 25.12	2001-3000 \$ 28.40	3001-4000 \$ 33.80	4001+ \$ 36.55
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Supplemental Benefits per hour worked:

Apprentices

Level A	\$ 11.65
Level B	13.90
Level C	16.65
Level D	16.80
Level E	23.75

8-235/B

Laborer - Heavy&Highway

12/01/2015

JOB DESCRIPTION Laborer - Heavy&Highway

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

WAGES

****PUTNAM: APPLIES TO ALL HEAVY & HIGHWAY WORK EXCLUDING HIGHWAYS, STREETS, AND BRIDGES****

GROUP I: Blaster and Quarry Master

GROUP II: Burner, Drillers(jumbo, joy, wagon, air track, hydraulic), Drill Operator, Self Contained Rotary Drill, Curbs/ Asphalt Screedman/Raker, Bar Person.

GROUP III: Pavement Breakers, Jeeper Operator, Jack Hammer, Pneumatic Tools (all), Gas Driller, Guniting, Railroad Spike Puller, Pipelayer, Chain Saw, Deck winches on scows, Power Buggy Operator, Power Wheelbarrow Operator, Bar Person Helper.

GROUP IV: Concrete Laborers, Asph. Worker, Rock Scaler, Vibrator Oper., Bit Grinder, Air Tamper, Pumps, Epoxy (adhesives, fillers and troweled on), Barco Rammer, Concrete Grinder, Crack Router Operator, Guide Rail-digging holes and placing concrete and demolition when not to be replaced, distribution of materials and tightening of bolts.

GROUP V: Drillers Helpers, Common Laborer, Mason Tenders, Signal Person, Pit Person, Truck Spotter, Powder Person, Landscape/Nursery Person, Dump Person, Temp. Heat.

GROUP VIA: Asbestos/Toxic Waste Laborer-All removal (Roads, Tunnels, Landfills, etc.) Confined space laborer

WAGES: (per hour)	07/01/2015	04/01/2016 + Additional \$ 1.50
GROUP I	\$ 39.20	
GROUP II	37.85	
GROUP III	37.45	
GROUP IV	37.10	
GROUP V	36.75	
GROUP VIA	38.75	
Gas Mechanic	44.20	
Flagperson	30.40	

SHIFT WORK: A shift premium will be paid on Public Work contracts for off-shift or irregular shift work when mandated by the NYS D.O.T. or other Governmental Agency contracts. Employees shall receive an additional 15% per hour above current rate for all regular and irregular shift work. Premium pay shall be calculated using the 15% per hour differential as base rate.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker:

First 40 Hours	
Per Hour Paid	\$ 20.00
Over 40 Hours	
Per Hour Worked	15.20

OVERTIME PAY

See (B, E, P, R, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 8, 9, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 9, 15, 25) on HOLIDAY PAGE
 NOTE: For 'Holiday Paid: 5,6,8,9,15,25
 For 'Holiday Overtime: 5,6 Code 'S' applies
 For 'Holiday Overtime: 8,9,15,25' Code 'R' applies

REGISTERED APPRENTICES

ENROLLED ON OR BEFORE MARCH 31, 2014

1st term 1-499hrs \$ 20.21	1st term 500-1000hrs \$ 20.21	2nd term 1001-2000hrs \$ 24.44	3rd term 2001-3000hrs \$ 28.21	4th term 3001-4000hrs \$ 31.89
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Supplemental Benefits per hour worked:

1st term	None
1st term(500-1000hrs)	\$ 2.85
2nd term	3.85
3rd term	4.85
4th term	5.60

ENROLLED ON OR AFTER APRIL 1, 2014

1st term 1-1000hrs \$ 21.01	2nd term 1001-2000hrs \$ 24.79	3rd term 2001-3000hrs \$ 28.56	4th term 3001-4000hrs \$ 32.24
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Supplemental Benefits per hour worked:

1st term	\$ 3.85
2nd term	3.95
3rd term	4.45
4th term	5.00

8-60H/H

Laborer - Tunnel

12/01/2015

JOB DESCRIPTION Laborer - Tunnel

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

WAGES

Class 1: All support laborers/ sandhogs working above the shaft or tunnel.

Class 2: All laborers/sandhogs working in the shaft or tunnel.

Class 4: Safety miners

WAGES:(per hour) 07/01/2015

Class 1	\$ 44.15
Class 2	\$ 46.15
Class 4	\$ 52.15

SHIFT WORK:When mandated by the contracting agency, 2nd and 3rd shifts, and irregular shift work shall be paid at time and one half the regular rate, Monday through Friday. Saturday shall be 1.65 times the regular rate.Sunday shall be paid at 2.15 times the regular rate. Toxic and hazardous waste, lead abatement and asbestos abatement work will be paid an additional \$ 3.00 an hour.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker:

Straight time:	\$ 25.75
Premium time:	\$ 38.63
Shift work	
Irregular shifts	
Saturday, Sunday	
Holidays	

OVERTIME PAY

See (B, E, Q, *S, V) on OVERTIME PAGE

*Work on a holiday which falls on a Saturday

HOLIDAY

Paid: See (5, 6, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 15, *16, 25) on HOLIDAY PAGE

* Double rate and benefits if worked

REGISTERED APPRENTICES

SEE HEAVY/HIGHWAY CLASSIFICATION FOR APPRENTICE RATES

8-60Tun

Lineman Electrician

12/01/2015

JOB DESCRIPTION Lineman Electrician

DISTRICT 6

ENTIRE COUNTIES

Westchester

WAGES

Below rates apply to electrical overhead and underground distribution and maintenance work and overhead and underground transmission line work, electrical substations, switching structures, continuous pipe-type underground fluid or gas filled transmission conduit and cable installations, maintenance jobs or projects, railroad catenary installations and maintenance, third rail installations, the bonding of rails and the installation of fiber optic cable. (Ref #14.04.01)

Includes Teledata Work performed within ten (10) feet of high voltage (600 volts or over) transmission lines.

Per hour:	07/01/2015	05/02/2016 Additional
Lineman, Tech, Welder	\$ 49.41	\$ 2.50
Crane, Crawler Backhoe	49.41	2.50
Cable Splicer-Pipe Type	54.35	2.50
Digging Mach Operator	44.47	2.50
Cert. Welder-Pipe Type	51.88	2.50
Tractor Trailer Driver	42.00	2.50
Groundman, Truck Driver	39.53	2.50
Mechanic 1st Class	39.53	2.50
Flagman	29.65	2.50

Additional \$1.00 per hour for entire crew when a helicopter is used.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM TO 4:30 PM REGULAR RATE
2ND SHIFT	4:30 PM TO 1:00 AM REGULAR RATE PLUS 17.3%
3RD SHIFT	12:30 AM TO 9:00 AM REGULAR RATE PLUS 31.4%

**** IMPORTANT NOTICE ****

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.

*Effective 05/06/2013, Tuesday thru Friday may be worked with no make-up day.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour worked (but also required on non-worked holidays):

Journeyman	\$ 20.50
	*plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time or premium time.

OVERTIME PAY

See (B, E, Q,) on OVERTIME PAGE. *Note* Double time for emergency work designated by the Dept of Jurisdiction.

HOLIDAY

Paid See (5, 6, 8, 13, 25) on HOLIDAY PAGE plus Governor of NYS Election Day.

Overtime See (5, 6, 8, 13, 25) on HOLIDAY PAGE plus Governor of NYS Election Day.

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES: Per hour. 1000 hour terms.

1st	2nd	3rd	4th	5th	6th	7th
\$ 29.65	\$ 32.12	\$ 34.59	\$ 37.06	\$ 39.53	\$ 42.00	\$ 44.47

SUPPLEMENTAL BENEFITS: Same as Journeyman

6-1249aWest

Lineman Electrician - Teledata **12/01/2015**

JOB DESCRIPTION Lineman Electrician - Teledata

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per hour:

FOR OUTSIDE WORK.

	07/01/2015	01/01/2016	01/01/2017
Cable Splicer	\$ 29.70	\$ 30.29	\$ 30.90
Installer, Repairman	28.19	28.75	29.33
Teledata Lineman	28.19	28.75	29.33
Technician, Equipment Operator	28.19	28.75	29.33
Groundman	14.95	15.25	15.56

NOTE: EXCLUDES Teledata work within ten (10) feet of High Voltage (600 volts and over) transmission lines. For this work please see LINEMAN.

SUPPLEMENTAL BENEFITS

Per hour worked:

Journeyman	\$ 4.43	\$ 4.43	\$ 4.43
	*plus 3% of wage paid	*plus 3% of wage paid	*plus 3% of wage paid

*The 3% is based on the hourly wage paid, straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 16) on HOLIDAY PAGE

6-1249LT - Teledata

Lineman Electrician - Traffic Signal Lighting **12/01/2015**

JOB DESCRIPTION Lineman Electrician - Traffic Signal Lighting

DISTRICT 6

ENTIRE COUNTIES

Westchester

WAGES

Lineman/Technician shall perform all overhead aerial work. A Lineman/Technician on the ground will install all electrical panels, connect all grounds, install and connect all electrical conductors which includes, but is not limited to road loop wires; conduit and plastic or other type pipes that carry conductors, flex cables and connectors, and to oversee the encasement or burial of such conduits or pipes.

A Groundman/Groundman Truck Driver shall: Build and set concrete forms, handle steel mesh, set footer cages, transport concrete in a wheelbarrow, hand or machine concrete vibrator, finish concrete footers, mix mortar, grout pole bases, cover and maintain footers while curing in cold weather, operate jack hammer, operate hand pavement breaker, tamper, concrete and other motorized saws, as a drill helper, operate and maintain generators, water pumps, chain saws, sand blasting, operate mulching and seeding machine, air tools, electric tools, gas tools, load and unload materials, hand shovel and/or broom, prepare and pour mastic and other fillers, assist digger operator equipment operator in ground excavation and restoration, landscape work and painting. Only when assisting a lineman technician, a ground man/truck driver may assist in installing conduit, pipe, cables and equipment.

A flagger's duties shall consist of traffic control only.

(Ref #14.01.03)

Per hour:	07/01/2015	05/02/2016
		Additional
Lineman, Technician	\$ 45.97	\$ 2.00
Crane, Crawler Backhoe	45.97	2.00
Certified Welder	48.27	2.00
Digging Machine	41.37	2.00
Tractor Trailer Driver	39.07	2.00
Groundman Truck Driver	36.78	2.00
Mechanic 1st Class	36.78	2.00
Flagman	27.58	2.00

Above rates applicable on all Lighting and Traffic Signal Systems with the installation, testing, operation, maintenance and repair of all traffic control and illumination projects, traffic monitoring systems, road weather information systems, and the installation of Fiber Optic Cable.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM TO 4:30 PM REGULAR RATE
2ND SHIFT	4:30 PM TO 1:00 AM REGULAR RATE PLUS 17.3%
3RD SHIFT	12:30 AM TO 9:00 AM REGULAR RATE PLUS 31.4%

**** IMPORTANT NOTICE ****

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.
 *Effective 05/06/2013, Tuesday thru Friday may be worked with no make-up day.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour worked (but also required on non-worked holidays):

Journeyman	\$ 20.50
	*plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time rate or premium rate.

Supplements paid at STRAIGHT TIME rate for holidays.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE. *Note* Double time for emergency work designated by the Dept. of Jurisdiction.

HOLIDAY

Paid: See (5, 6, 8, 13, 25) on HOLIDAY PAGE and Governor of NYS Election Day.

Overtime: See (5, 6, 8, 13, 25) on HOLIDAY PAGE and Governor of NYS Election Day.

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES: Per hour. 1000 hour terms.

1st	2nd	3rd	4th	5th	6th	7th
\$ 27.58	\$ 29.88	\$ 32.18	\$ 34.48	\$ 36.78	\$ 39.07	\$ 41.37

SUPPLEMENTAL BENEFITS: Same as Journeyman

Mason - Building **12/01/2015**

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Nassau, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2015 12/07/2015
Additional

Building:
 Tile Setters \$ 54.31 \$ 1.13

SUPPLEMENTAL BENEFITS

Per Hour:

Journey Worker \$23.68* plus \$2.90

OVERTIME PAY

See (B, E, Q, V) on OVERTIME PAGE

* This portion of benefits subject to same premium rate as shown for overtime wages.

Work beyond 10 hours on Saturday shall be paid at double the hourly wage rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage per hour:

Tile Setters:
 (750 hour) term at the following wage rate:

Term:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
	1-750	751-1500	1501-2250	2251-3000	3001-3750	3751-4500	4501-5250	5251-6000	6001-6750	6750-7500
	\$27.45	\$30.71	\$34.96	\$39.98	\$41.99	\$44.96	\$46.70	\$50.45	\$52.61	\$53.58

Supplemental Benefits per hour:

1st term	\$14.70* plus \$0.72	6th term	\$17.85* plus \$1.51
2nd term	\$15.70* plus \$0.76	7th term	\$16.10* plus \$5.81
3rd term	\$15.70* plus \$0.80	8th term	\$16.60* plus \$5.85
4th term	\$16.60* plus \$1.17	9th term	\$18.35* plus \$6.22
5th term	\$16.85* plus \$1.19	10th term	\$21.62* plus \$6.27

9-7/52A

Mason - Building **12/01/2015**

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Wages: 07/01/2015 01/01/2016

Marble Cutters & Setters \$ 56.53 \$ 56.89

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyworker \$ 31.17 \$ 32.06

OVERTIME PAY

See (B, E, Q, V) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage Per Hour:

750 hour terms at the following wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
1-750	751-1500	1501-2250	2251-3000	3001-3750	3751-4500	4501-5250	5251-6000	6001-6751	6751-7500
\$22.61	\$25.44	\$28.27	\$31.09	\$33.92	\$36.74	\$39.57	\$42.40	\$48.05	\$53.70

Supplemental Benefits per hour paid at the following term:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$22.87	\$23.55	\$24.26	\$24.95	\$25.63	\$26.32	\$27.03	\$27.72	\$29.09	\$30.48

9-7/4

Mason - Building **12/01/2015**

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Per hour: 07/01/2015 01/01/2016

Building-Marble Restoration: An Additional

Marble, Stone & Terrazzo Polisher, etc \$ 39.50 \$ 0.75

SUPPLEMENTAL BENEFITS

Per Hour Paid:

Journeyworker:

Building-Marble Restoration:

Marble, Stone & Polisher \$ 23.88

OVERTIME PAY

See (B, *E, Q, V) on OVERTIME PAGE

*ON SATURDAYS, 8TH HOUR AND SUCCESSIVE HOURS PAID AT DOUBLE HOURLY RATE.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 25) on HOLIDAY PAGE

1ST TERM APPRENTICE GETS PAID FOR ALL OBSERVED HOLIDAYS.

REGISTERED APPRENTICES

WAGES per hour:

(900 hour)terms at the following wages:

	1st 0-900	2nd 901-1800	3rd 1801-2700	4th over 2700
07/01/2015	\$ 27.48	\$ 31.40	\$35.33	\$ 39.25

Supplemental Benefits Per Hour:

07/01/2015	\$ 21.49	\$ 22.12	\$ 22.75	\$ 23.38
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9-7/24-MP

Mason - Building **12/01/2015**

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Building:	07/01/2015	01/01/2016
Wages per hour:		An Additional
Mosaic & Terrazzo Mechanic	\$ 50.71	\$ 1.15
Mosaic & Terrazzo Finisher	\$ 49.10	\$ 1.15

SUPPLEMENTAL BENEFITS

Journeyworker: Per hour:	
Mosaic & Terrazzo Mechanic	\$ 32.36
Mosaic & Terrazzo Finisher	\$ 32.35

OVERTIME PAY

See (A, *E, Q) on OVERTIME PAGE
 Double the rate after 10 hours on Saturday

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

Easter Sunday is an observed holiday. Holidays falling on a Saturday will be observed on that Saturday. Holidays falling on a Sunday will be celebrated on the Monday.

REGISTERED APPRENTICES

Wages per hour:
 (750 Hour) terms at the following wage rate.

1st	2nd	3rd	4th	5th	6th	7th	8th
\$25.35	27.87	30.42	32.94	35.49	38.02	43.08	48.16

Supplemental benefits per hour:

16.19	17.81	19.42	21.05	22.66	24.28	27.52	30.75
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9-7/3

Mason - Building

12/01/2015

JOB DESCRIPTION Mason - Building

DISTRICT 11

ENTIRE COUNTIES

Putnam, Rockland, Westchester

PARTIAL COUNTIES

Orange: Only the Township of Tuxedo.

WAGES

Per hour:	07/01/2015	06/01/2016
Bricklayer	\$ 39.93	\$ 40.68
Cement Mason Bldg*	39.93	\$ 40.68
Plasterer/Stone Mason	39.93	\$ 40.68
Pointer/Caulker	39.93	\$ 40.68

Additional \$1.00 per hour for power saw work
 Additional \$0.50 per hour for swing scaffold or staging work

SHIFT DIFFERENTIAL: When shift work is mandated or required by state, federal, county, local or other governmental contracts, the following rates apply:

Second shift an additional 15% of wage plus benefits to be paid
 Third shift an additional 25% of wage plus benefits to be paid

* Overtime paid at one and one half wage and benefits

SUPPLEMENTAL BENEFITS

Per hour paid:

Journeyman \$ 30.91 \$ 32.11

OVERTIME PAY

OVERTIME:

Cement Mason See (B, E2, H, V) on OVERTIME PAGE.
 All Others See (B, E, E2, Q) on OVERTIME PAGE.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

750 hour terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Supplemental Benefits per hour paid

750 hour terms at the following percentage of journeyman supplements

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Apprentices indentured before September 1 2009 receive full journeyman benefits

11-5wp-b

Mason - Building

12/01/2015

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Nassau, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2015 12/07/2015 06/06/2016

Buidling: An Additional An Additional
 Tile Finisher \$41.98 \$0.82 \$0.82

SUPPLEMENTAL BENEFITS

Per Hour:

Journey worker \$ 21.02* plus \$ 6.89

OVERTIME PAY

See (B, E, Q, *V) on OVERTIME PAGE

* This portion of Supplemental benefits subject to same premium rate as shown for overtime wages.
 Work beyond 10 hours on a Saturday shall be paid at double the hourly wage rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 11, 15, 16, 25) on HOLIDAY PAGE

9-7/88A-tf

Mason - Building

12/01/2015

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Per hour: 07/01/2015 01/01/2016

Marble, Stone, etc.
 Maintenance Finishers: \$ 21.57 \$ 21.76

Note 1: An additional \$2.00 per hour
 for time spent grinding floor using
 "60 grit" and below.

Note 2: Flaming equipment operator shall be paid an additional \$25.00 per day.

SUPPLEMENTAL BENEFITS

Per Hour:

Marble, Stone, etc
 Maintenance Finishers: \$ 12.20 \$ 12.41

OVERTIME PAY

See (B, *E, Q, V) on OVERTIME PAGE

*Double hourly rate after 8 hours on Saturday

HOLIDAY

Paid: See (5, 6, 8, 11, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 25) on HOLIDAY PAGE

1st term apprentice gets paid for all observed holidays.

REGISTERED APPRENTICES

WAGES per hour:

(750 hour)terms at the 07/01/2015

following percentage of journeyman's wage rate:

1st term	0-750	70%
2nd term	750-1500	74%
3rd term	1501-2250	78%
4th term	2251-3000	82%
5th term	3001-3750	88%
6th term	3751-4500	96%

Supplemental Benefits:

Per hour paid

1st term	\$ 11.92
2nd term	11.93
3rd term	11.94
4th term	11.95
5th term	11.96
6th term	11.98

9-7/24M-MF

Mason - Building / Heavy&Highway

12/01/2015

JOB DESCRIPTION Mason - Building / Heavy&Highway

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

WAGES

Per hour:	07/01/2015	01/01/2016
Marble-Finisher	\$ 45.08	An Additional \$ 0.90

SUPPLEMENTAL BENEFITS

Journeyworker:
 per hour paid

Marble- Finisher \$ 30.41

OVERTIME PAY

See (B, E, Q, V) on OVERTIME PAGE

HOLIDAY

Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

* Work beyond 8 hours on a Saturday shall be paid at double the rate.

** When an observed holiday falls on a Sunday, it will be observed the next day.

9-7/20-MF

Mason - Heavy&Highway

12/01/2015

JOB DESCRIPTION Mason - Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Putnam, Rockland, Westchester

PARTIAL COUNTIES

Orange: Only the Township of Tuxedo.

WAGES

Per hour:

	07/01/2015	06/01/2016
Bricklayer	\$ 40.43	\$ 41.18
Cement Mason*	40.43	\$ 41.18
Marble/Stone Mason	40.43	\$ 41.18
Plasterer	40.43	\$ 41.18
Pointer/Caulker	40.43	\$ 41.18

Additional \$1.00 per hour for power saw work
 Additional \$0.50 per hour for swing scaffold or staging work

SHIFT DIFFERENTIAL: When shift work is mandated or required by state, federal, county, local or other governmental contracts, the following rates apply:

Second shift an additional 15% of wage plus benefits to be paid
 Third shift an additional 25% of wage plus benefits to be paid

* Overtime paid at one and one half times wage and benefits

SUPPLEMENTAL BENEFITS

Per hour paid:

Journeyman	\$ 30.91	\$ 32.11
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OVERTIME PAY

See (B, O) on OVERTIME PAGE

*Cement Mason See (B, H, V)

HOLIDAY

Paid: See (5, 6, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

750 hour terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Supplemental Benefits per hour paid

750 hour terms at the following percentage of journeyman supplements

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Apprentices indentured before September 1, 2009 receive full journeyman benefits

11-5WP-H/H

Operating Engineer - Building

12/01/2015

JOB DESCRIPTION Operating Engineer - Building

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

PARTIAL COUNTIES

Dutchess: All the counties of Westchester and Putnam and the southern part of Dutchess County defined by the northern boundary line of the City of Poughkeepsie, then due east to Route 115, then north along Route 115 to Bedell Road, then east along Bedell Road to Van Wagner Road, then north along Van Wagner Road to Bower Road, then east along Bower Road to Route 44 and along Route 44 east to Route 343, then along Route 343 east to the northern boundary of Town of Dover Plains and east along the northern boundary of Town of Dover Plains to the border line of the State of Connecticut and bordered on the west by the middle of the Hudson River.

WAGES

GROUP I:

Cranes(All Types up to 49 tons), Boom Trucks, Cherry Pickers, Clamshell Crane, Derrick, Dragline, Franki Pile Rig or similar, High Lift (Lull or similar) with crane attachment and winch used for hoisting or lifting, Hydraulic Cranes, Pile Drivers, Potain and similar.

Cranes (All types 50-99 tons), Conventional and Hydraulic.

Cranes (All types 100 tons and over), Tower, Climbing, Conventional, Hydraulic.

GROUP I-A: Barber Green Loader-Euclid Loader, Bulldozer, Carrier-Trailer Horse, Concrete Cleaning Decontamination Machine Operator, Concrete-Portable Hoist, Conway or Similar Mucking Machines, Elevator & Cage, Excavators all types, Front End Loaders, Gradall, Shovel, Backhoe, etc. (Crawler or Truck), Heavy Equipment Robotics Operator/Mechanic, Hoist Engineer-Material, Hoist Portable Mobile Unit, Hoist-Single, Double or Triple Drum, Horizontal Directional Drill Locator, Horizontal Directional Drill Operator, and Jersey Spreader, Letourneau or Tournapull (Scrapers over 20 yards Struck), Lift Slab Console, etc., Lull HiLift or Similar, Maintenance Engineer, Master Environmental Maintenance Mechanics, Mucking Machines Operator/Mechanic or Similar Type, Overhead Crane, Pavement Breaker (Air Ram), Paver (Concrete), Post Hole Digger, Power House Plant, Road Boring Machine, Road Mix Machine, Ross Carrier and Similar Machines, Rubber tire double end backhoes and similar machines, Scoopmobile Tractor-Shovel Over 1.5 yards, Shovel (Tunnels), Spreader (Asphalt) Telephie (Cableway), Tractor Type Demolition Equipment, Trenching Machines-Vermeer Concrete Saw Trencher and Similar, Ultra High Pressure Waterjet Cutting Tool System, Vacuum Blasting Machine operator/mechanic, Winch Truck A Frame).

GROUP I-B: Compressor (Steel Erection), Mechanic (Outside All Types, Negative Air Machine (Asbestos Removal), Push Button (Buzz Box) Elevator.

GROUP II: Bulldozer D6 and Under, Compactor Self-Propelled, Concrete Pump, Crane Operator in Training (Over 100 Tons, Grader, Machines Pulling Sheep's Foot Roller, Roller 4 ton and over, Scrapers-20 yards Struck and Under, Vibratory Rollers, Welder.

GROUP III-A: Asphalt Plant, Concrete Mixing Plants, Concrete Buggy (One yard and up, Ride on dumper, Benford or Similar) Fire Watchman, Forklift (All power sources), Joy Drill or similar, Tractor Drilling Machine, Loader (1 1/2 yards and under), Portable Asphalt Plant, Portable Batch Plant, Portable Crusher, Skid Steer (Bobcat or similar), Stone Crusher, Well Drilling Machine, Well Point System.

GROUP III-B: Compressor Over 125 cu. Feet, Conveyor Belt Machine Regardless of Size, Compressor Plant, Ladder Hoist, Lighting Unit (Portable & Generator), Stud Machine.

GROUP IV-A: Batch Plant, Concrete Breaker, Concrete Spreader, Curb Cutter Machine, Finishing Machine-Concrete, Fine Grading Machine, Hepa Vac Clean Air Machine, Material Hopper (sand stone-cement), Mulching Grass Spreader, Pump Gypsum etc, Pump-Plaster-GROUT-Fireproofing. Roller (Under 4 Ton), Spreading and Fine Grading Machine, Steel Cutting Machine, Siphon Pump, Tar Joint Machine, Television Cameras for Water, Sewer, Gas etc. Turbo Jet Burner or Similar Equipment, Vibrator (1 to 5),

GROUP IV-B: Compressor (Under 125 cu. Feet), Heater (All Types), Lighting Unit (Portable & Generator) Pump, Pump Station (Water, Sewer, Portable, Temporary), Steam Jenny, Sweeper, Chipper, Mulcher, Welding Machine (Steel Erection & Excavation)

GROUP V: Crane Operator in Training (65 Tons to 100 Tons), Mechanics Helper, Motorized Roller (walk behind), Stock Attendant, Welder's Helper.

GROUP VI-A: Welder, Certified.

GROUP VI-B: Utility Man, Warehouse Man.

WAGES: (per hour)

	07/01/2015	03/07/2016	03/06/2017
GROUP I			
Cranes- up to 49 tons	\$ 58.32	\$ 59.76	\$ 61.65
Cranes- 50 tons to 99 tons	60.37	61.86	63.81
Cranes- 100 tons and over	69.01	70.71	72.94
GROUP I-A	50.98	52.23	53.90
GROUP I-B	46.93	48.09	49.63
GROUP II	49.16	50.37	51.98
GROUP III-A	47.34	48.50	50.06
GROUP III-B	45.03	46.14	47.62
GROUP IV-A	46.85	48.01	49.55
GROUP IV-B	39.52	40.49	41.80
GROUP V	42.66	43.70	45.12
GROUP VI-A	50.04	51.27	52.91
GROUP VI-B			
Utility Man	40.44	41.43	42.78
Warehouse Man	42.42	43.46	44.87

An additional 20% to wage when required to wear protective equipment on hazardous/toxic waste projects.
 Engineers operating cranes with booms 100 feet but less than 149 feet in length will be paid an additional \$2.00 per hour.
 Engineers operating cranes with booms 149 feet or over in length will be paid an additional \$3.00 per hour.
 Loader operators over 5 cubic yard capacity additional .50 per hour.

Shovel operators over 4 cubic yard capacity additional \$1.00 per hour.

SUPPLEMENTAL BENEFITS

Per hour:

	07/01/2015	03/07/2016	03/06/2017
Journeyworker	\$ 19.14	\$ 19.75	\$ 20.50
	Per hour paid	Per hour paid	Per hour paid
	+\$8.02	+\$8.02	+\$8.02
	Per hour worked	Per hour worked	Per hour worked

OVERTIME PAY

OVERTIME:..... See (B, E,P,R*,U**,V) on OVERTIME PAGE.

HOLIDAY

HOLIDAY:

Paid:..... See (5, 6, 11, 12, 15, 25) on HOLIDAY PAGE.

Overtime:..... See (5, 6, 11, 12, 15, 25) on HOLIDAY PAGE.

* For Holiday codes 11, 12, 15, 25, code R applies.

** For Holiday codes 5 & 6, code U applies.

Note: If employees are required to work on Easter Sunday they shall be paid at the rate of triple time.

8-137B

Operating Engineer - Building

12/01/2015

JOB DESCRIPTION Operating Engineer - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, New York, Putnam, Queens, Richmond, Westchester

PARTIAL COUNTIES

Dutchess: that part of Dutchess County lying south of the North City Line of the City of Poughkeepsie.

WAGES

NOTE:Construction surveying

Party chief--One who directs a survey party

Instrument Man--One who runs the instrument and assists Party Chief.

Rodman--One who holds the rod and assists the Survey Crew

Wages:(Per Hour)	07/01/2015	07/01/2016 An Additional
Building Construction:		
Party Chief	\$ 66.52	\$ 2.64
Instrument Man	\$ 52.95	\$ 2.25
Rodman	\$ 36.24	\$ 1.78
Steel Erection:		
Party Chief	\$ 67.76	\$ 2.52
Instrument Man	\$ 54.07	\$ 2.16
Rodman	\$ 38.11	\$ 1.73
Heavy Construction-NYC counties only: (Foundation, Excavation.)		
Party Chief	\$ 72.18	\$ 2.80
Instument man	\$ 54.57	\$ 2.30
Rodman	\$ 46.74	\$ 2.08
SUPPLEMENTAL BENEFITS		
Per Hour:	07/01/2015	
Steel Erection Only	\$ 19.80* + 6.65	
All Other Classifications	\$ 20.05* + 6.65	

* This portion subject to same premium as wages

OVERTIME PAY

See (A, B, E, Q) on OVERTIME PAGE

Code "A" applies to Building Construction and has double the rate after 7 hours on Saturdays.

Code "B" applies to Heavy Construction and Steel Erection and had double the rate after 8 hours on Saturdays.

HOLIDAY

Paid: See (5, 6, 8, 11, 12, 15, 25) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 11, 12, 25) on HOLIDAY PAGE

9-15Db

Operating Engineer - Heavy&Highway

12/01/2015

JOB DESCRIPTION Operating Engineer - Heavy&Highway

DISTRICT 9

ENTIRE COUNTIES

Putnam, Westchester

PARTIAL COUNTIES

Dutchess: South of the North city line of Poughkeepsie

WAGES

Party Chief - One who directs a survey party
 Instrument Man - One who runs the instrument and assists Party Chief
 Rodman - One who holds the rod and in general, assists the Survey Crew
 Categories cover GPS & Underground Surveying

Per Hour:	07/01/2015	07/01/2016 An Additional
Party Chief	\$ 69.72	\$ 2.73
Instrument Man	52.61	2.24
Rodman	44.96	2.10

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2015

All Categories
 Straight Time: \$ 26.70

Premium:
 Time & 1/2 \$ 36.73

Double Time \$ 46.75

OVERTIME PAY

See (B, *E, Q) on OVERTIME PAGE
 * Doubletime paid on all hours in excess of 8 hours on Saturday

HOLIDAY

Paid: See (5, 6, 7, 11, 12) on HOLIDAY PAGE
 Overtime: See (5, 6, 7, 11, 12) on HOLIDAY PAGE

9-15Dh

Operating Engineer - Heavy&Highway

12/01/2015

JOB DESCRIPTION Operating Engineer - Heavy&Highway

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

PARTIAL COUNTIES

Dutchess: All the counties of Westchester and Putnam and the southern part of Dutchess County defined by the northern boundary line of the City of Poughkeepsie, then due east to Route 115, then north along Route 115 to Bedell Road, then east along Bedell Road to Van Wagner Road, then north along Van Wagner Road to Bower Road, then east along Bower Road to Route 44 and along Route 44 east to Route 343, then along Route 343 east to the northern boundary of Town of Dover Plains and east along the northern boundary of Town of Dover Plains to the border line of the State of Connecticut and bordered on the west by the middle of the Hudson River.

WAGES

GROUP I: Boom Truck, Cherry Picker, Clamshell, Crane, (Crawler, Truck),
 Dragline, Rough Terrain Crane.

GROUP I-A: Auger, Auto Grader, Dynahoe and Dual purpose and similar machines, Barber Green Loader-Euclid Loader or similar type machine, boat captain, boring machine(all types), Bulldozer-All Sizes, Central Mix Plant Operator, Cherry Picker(Cableway)-Hydraulic, chipper (all types), close circuit t.v., Compactor with Blade,Concrete Portable Hoist, C.M.I. or Similar, Conway or Similar Mucking Machines, Gradall, Shovel Backhoe, etc. Grader, Derrick (Stone-Steel) Elevator & Cage, Front End Loaders over 1 1/2yds Hoist Single, Double, Triple Drum, Hoist Portable Mobile Unit, Hoist Engineer Concrete(Crane-Derrick-Mine Hoist), Hoist Engineer-Material, Hydraulic Boom, Letourneau or Tournapull (Scrapers over 20 yds struck), Mucking Machines, Overhead Crane, Paver (concrete) Pulsemeter, Push Button (Buss Box) Elevator, Road Mix Machines, Ross Carrier and similar, Shovels (Tunnels), SideBoom, Spreader (asphalt), Scoopmobile-Tractor-Shovel over 1 1/2 yards, Trenching Machines, Telephies-Vermeer Concrete Saw Trencher and/or Similar, Tractor type Demolition Equipment, Whirly,P-811 Track Renewal Machine-Similar, certified Welder, Excavator (and all attachments).

GROUP I-B: Asphalt Mobile Conveyor/Transfer Machine, Road Paver-Asphalt.

GROUP II-A: Balast regulators, Compactor Self Propelled, Cow Tracks, Fusion Machine, Rail Anchor Machines, Scrapers-20 yds truck and under, Switchtampers, Vibratory Roller, etc., Roller 4 ton and over, Welder.

GROUP II-B: Mechanic (Outside) All Types.

GROUP III: Air Tractor Drill, Asphalt Plant, Batch Plant, Boiler (High Pressure), Concrete Breaker, Concrete Pump, Concrete Spreader, Farm Tractor (All Types), Forklift (All), Gas Tapping(Live),Hydroseeder, Loader 1 1/2 yards and under, Locomotive(All Sizes), Machine Pulling Sheep's Foot Roller, Portable Plant, Portable Batch Plant, Portable Crusher, Powerhouse Plant, Roller (Under 4 ton), Stone Crusher, Sweeper, Turbo JetBurner or Similar, Sheer Excavator, Skid Steer/Bobcat, Well Drilling Machine.

GROUP IV-A: Service Person (Grease Truck).

GROUP IV-B: Conveyor Belt Machine, Heater all types, Lighting Unit (Portable & Generator), Mechanic's Helper, Pilot/Assistant Engineer/2 seated, Pumps-Pump Station-Water-Sewer-Gypsum-Plaster, etc., Pump Truck(Sewer Jet or Similar), Stock Room Attendant, Welding Machine Steel Erection Excavation), Well Point System, Welder's Helper,

GROUP V-A: Engineer-All Tower Cranes-All Climbing Cranes and all cranes of 100 ton capacity or greater(3900 Manitowac or similar), Hoist Engineer(Steel), Engineer-Pile Driver, Welder-Certified, Jersey Spreader, Pavement Breaker(Air Ram), Post Hole Digger.

WAGES: (per hour)

	07/01/2015	03/07/2016
Group I	\$ 55.61	\$ 57.28
Group I-A	49.12	50.62
Group I-B	51.71	53.28
Group II-A	47.07	48.51
Group II-B	48.52	50.00
Group III	46.26	47.68
Group IV-A	42.12	43.42
Group IV-B	36.28	37.42
Group V-A		
Engineer All Tower,Climbing and Cranes of 100 Tons	62.88	64.76
Hoist Engineer(Steel)	57.02	58.74
Engineer(Pile Driver)	60.75	62.57
Jersey Spreader,Pavement Breaker. (Air Ram)Post Hole Digger	48.14	49.62

SHIFT DIFFERENTIAL:

A 15% premium on all hours paid, including overtime hours for 2nd, 3rd shifts on all government mandated off-shift work

Engineers operating cranes with booms 100 feet but less than 149 feet in length will be paid an additional \$2.00 per hour over the rate listed in the Wage Schedule. Engineers operating cranes with booms 149 feet or over in length will be paid an additional \$3.00 per hour over the rate listed in the Wage Schedule. Loader and Excavator Operators: over 5 cubic yards capacity \$0.50 per hour over the rate listed in the Wage Schedule. Shovel Operators: over 4 cubic yards capacity \$1.00 per hour over the rate listed in the Wage Schedule.

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday; Friday may be used as a make-up day.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

(per hour)

Journeyman:	07/01/2015	03/07/2016
	\$18.18 on all hours paid	\$18.75 all hours paid
	PLUS \$8.00 for first 40 hours worked	PLUS \$8.00 for first 40 hours worked
	PLUS \$1.00 on all hours worked	PLUS \$1.00 on all hours worked

OVERTIME PAY

See (B, E, E2, P, *R, **U) on OVERTIME PAGE

HOLIDAY

Paid:..... See (5, 6, 8, 9, 15, 25) on HOLIDAY PAGE

Overtime..... See (5, 6, 8, 9, 15, 25) on OVERTIME PAGE

* For Holiday codes 8,9,15,25 code R applies

** For Holiday Codes 5 & 6 code U applies

Note: If employees are required to work on Easter Sunday they shall be paid at the rate of triple time.

REGISTERED APPRENTICES

(1)year terms at the following rate.

	07/01/2015	03/07/2016
1st term	\$ 23.10	\$ 23.81
2nd term	27.73	28.58
3rd term	32.36	33.36
4th term	36.99	38.13

Supplemental Benefits per hour:

Apprentices:	07/01/2015	03/07/2016
	\$ 18.14 on all hours paid PLUS \$1.00 on all hours worked	\$ 18.75 on all hours paid PLUS \$1.00 on all hours worked

8-137HH

Operating Engineer - Heavy&Highway - Tunnel

12/01/2015

JOB DESCRIPTION Operating Engineer - Heavy&Highway - Tunnel

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

PARTIAL COUNTIES

Dutchess: All the counties of Westchester and Putnam and the southern part of Dutchess County defined by the northern boundary line of the City of Poughkeepsie, then due east to Route 115, then north along Route 115 to Bedell Road, then east along Bedell Road to Van Wagner Road, then north along Van Wagner Road to Bower Road, then east along Bower Road to Route 44 and along Route 44 east to Route 343, then along Route 343 east to the northern boundary of Town of Dover Plains and east along the northern boundary of Town of Dover Plains to the border line of the State of Connecticut and bordered on the west by the middle of the Hudson River.

WAGES

GROUP I: Boom Truck, Cherry Picker, Clamshell, Crane(Crawler, Truck), Dragline, Drill Rig Casa Grande(Cat or Similar), Floating Crane (Crane on Barge-Under 100 Tons), Hoist Engineer (Concrete/Crane-Derrick-Mine Hoist), Knuckle Boom Crane, Rough Terrain Crane.

GROUP I-A: Auger, Auto Grader, Dynahoe & Dual purpose & similar machines, Barber Green Loader-Euclid Loader or similar type machine, Boat Captain, Boring Machine(all types), Bull Dozer-all types, Central Mix Plant Operator, Cherry Picker(Cableway or hydraulic), Chipper-all types, Close Circuit T.V., Compactor with Blade, Concrete Portable Hoist, C.M.I. or similar, Conway or similar Mucking Machine, Crane(Crawler or Truck) dragline, Gradall, Shovel Backhoe, etc. Grader, Derrick(Stone-Steel), Elevator & Cage(materials or passengers), Front End Loaders over 1 1/2 yards, Hoist Single, Double, Triple Drum, Hoist Portable Mobile Unit, Hoist Engineer-Concrete(Crane-Derrick-Mine Hoist), Hoist Engineer-Material, Hydraulic Boom, Letourneau or Tournapull(Scrapers over 20 yards struck), Log Skidder, Milling Machine, Moveable Concrete Barrier Transfer & Transport Vehicle, Mucking Machines. Overhead Crane, Paver(concrete), Pulsemeter, Push Button(Buzz Box)Elevator, Raise Boring Machine, Road Mix Machines. Robot Hammer(Brock or similar), Robotic EquipmentRoss Carrier and similar machines, Shovels(Tunnels), Side Boom, Slip Form Machine, Spreader(Asphalt), Scoopmobile-Tractor-Shovel over 1 1/2 yards, Trenching Machines, Telephies-Vermeer Concrete Saw Trencher and/or similar, Tractor type demolition equipment, Whirly.

GROUP I-B: Road Paver(Asphalt).

GROUP II-A: Balast Regulators, Compactor Self-propelled, Cow Tracks, Fusion Machine, Rail Anchor Machines, Roller 4 ton and over, Scrapers (20 yard struck and under), Switch Tampers, Vibratory Roller, etc., Welder.

GROUP II-B: Mechanic(outside) all types.

GROUP III: Air Tractor Drill, Asphalt Plant, Batch Plant, Boiler (High Pressure), Concrete Breaker, Concrete Pump, Concrete Spreader, Curb Cutter Machine, Farm Tractor(all types), Finishing Machine(Concrete) Fine Grading Machine, Firemen, Forklift(ALL), John Henry Drill or similar, Joy Drill or similar Tractor Drilling Machine, Loader 1 1/2 yards and under, Locomotive(all sizes), Maintenance Engineer, Machine Pulling Sheeps Foot Roller, Material Hopper, Mixer Concrete(21-E & over), Mulching Grass Spreader, Portable Asphalt Plant, Portable Batch Plant, Portable Crusher, Powerhouse Plant, Quarry Master, Roller under 4 ton, Spreading and Fine Grading Machine, Steel Cutting Machine, Stone Crusher, Sweeper, Turbo Jet Burner or similar, Well Drilling Machine, Winch Truck "A" Frame.

GROUP IV-A: Service Person(Fuel Truck), Service Person(Grease Truck).

GROUP IV-B: Bending Machine, Compressor-Compressor Plant-Paint, Compressor-Steel Erection, Compressor Truck Mounted(2-6), Conveyor Belt Machine, Dust Collector, Heater(all types), Lighting Unit(portable & generator), Mixer Concrete under 21-E, Pilot/Assistant Engineer/2 seated, Pumps-Pump Station-Water-Sewer-Gypsum-Plaster, etc., Pump Truck(Sewer Jet or similar), Roller Motorized(Walk behind), Steam Jenny, Stock Room Attendant, Syphon Pump-Air-Stream, Tar Joint Machine, Vibrator(1 to 5), Welding Machine, Welders Helper.

GROUP V-A: Engineer(all Tower Cranes, all Climbing Cranes & all cranes of 100 ton capacity or greater),Hoist Engineer(Steel-Sub Structure), Engineer-Pile Driver, Jersey-Spreader, Pavement breaker, Post Hole Digger

WAGES: (per hour)

	07/01/2015	03/07/2016
GROUP I	\$ 55.61	\$ 57.28
GROUP I-A	49.12	50.62
GROUP I-B	51.71	53.28
GROUP II-A	47.07	48.51
GROUP II-B	48.52	50.00
GROUP III	46.26	47.73
GROUP IV-A	42.12	43.42
GROUP IV-B	36.28	37.42
GROUP V-A		
Engineer-Cranes	62.88	64.76
Engineer-Pile Driver	60.75	62.57
Hoist Engineer	57.02	58.74
Jersey Spreader	48.14	49.62
Pavement Breaker	48.14	49.62
Post Hole Digger	48.14	49.62

SHIFT DIFFERENTIAL:

A 15% premium on all hours paid, including overtime hours for 2nd, 3rd shifts on all government mandated off-shift work

An additional 20% to wage when required to wear protective equipment on hazardous/toxic waste projects. Operators required to use two buckets pouring concrete on other than road pavement shall receive \$0.50 per hour over scale. Engineers operating cranes with booms 100 feet but less than 149 feet in length will be paid an additional \$2.00 per hour. Engineers operating cranes with booms 149 feet or over in length will be paid an additional \$3.00 per hour. Operators of shovels with a capacity over (4) cubic yards shall be paid an additional \$1.00 per hour. Operators of loaders with a capacity over (5) cubic yards shall be paid an additional \$0.50 per hour.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker:

07/01/2015

03/07/2016

\$ 18.14 on all hours paid PLUS \$8.00 limited to first 40 hours worked PLUS \$1.00 for all hours worked	\$ 18.75 on all hours paid PLUS \$8.00 limited to first 40 hours worked PLUS \$1.00 for all hours worked
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OVERTIME PAY

See (D, O, *U, V) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 7, 8, 11, 12) on HOLIDAY PAGE
 Overtime: See (5, 6, 7, 8, 11, 12) on HOLIDAY PAGE

* Note: For Holiday codes 5 & 6, code U applies.

Note: If employees are required to work on Easter Sunday, they shall be paid at the rate of triple time.

REGISTERED APPRENTICES

(1)year terms at the following rates.

	07/01/2015	03/07/2016
1st year	\$ 23.10	\$ 23.81
2nd year	27.73	28.58
3rd year	32.36	33.36
4th year	36.99	38.13

Supplemental Benefits per hour:

\$ 18.14 for all hours paid +\$1.00 for all hours worked	\$ 18.75 for all hours paid +\$1.00 for all hours worked
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8-137Tun

Operating Engineer - Marine Construction

12/01/2015

JOB DESCRIPTION Operating Engineer - Marine Construction

DISTRICT 4

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuylcr, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per Hour:

DREDGING OPERATIONS	07/01/2015
CLASS A	
Operator, Leverman,	\$ 35.63
Lead Dredgeman	

CLASS A1 To conform to Operating Engineer
 Dozer,Front Loader Prevailing Wage in locality where work
 Operator is being performed including benefits.

CLASS B	
Spider/Spill Barge Operator,	\$ 30.81
Tug Operator(over1000hp),	
OperatorII, Fill Placer,	
Derrick Operator, Engineer,	
Chief Mate, Electrician,	
Chief Welder,	
Maintenance Engineer	

Certified Welder,
 Boat Operator(licensed) \$ 29.01

CLASS C
 Drag Barge Operator,
 Steward, Mate,
 Assistant Fill Placer,
 \$ 28.22

Welder (please add)\$ 0.06

Boat Operator \$ 27.30

CLASS D
 Shoreman, Deckhand,
 Rodman, Scowman, Cook,
 Messman, Porter/Janitor \$ 22.68

Oiler(please add)\$ 0.09

SUPPLEMENTAL BENEFITS

Per Hour:

THE FOLLOWING SUPPLEMENTAL BENEFITS APPLY TO ALL CATEGORIES

All Classes A & B
 07/01/2015
 \$ 9.99 plus 8%
 of straight time
 wage, Overtime hours
 add \$ 0.63

All Class C
 \$ 9.69 plus 8%
 of straight time
 wage, Overtime hours
 add \$ 0.48

All Class D
 \$ 9.39 plus 8%
 of straight time
 wage, Overtime hours
 add \$ 0.33

OVERTIME PAY

See (B, F, R) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 15, 26) on HOLIDAY PAGE

4-25a-MarConst

Operating Engineer - Survey Crew - Consulting Engineer

12/01/2015

JOB DESCRIPTION Operating Engineer - Survey Crew - Consulting Engineer

DISTRICT 9

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Suffolk, Westchester

PARTIAL COUNTIES

Dutchess: That part in Dutchess County lying South of the North City line of Poughkeepsie.

WAGES

Feasibility and preliminary design surveying, any line and grade surveying for inspection or supervision of construction.

Per hour:	07/01/2015	07/01/2016
Survey Classifications		An Additional
Party Chief	\$ 37.04	\$ 2.24
Instrument Man	30.59	1.98
Rodman	26.52	1.82

SUPPLEMENTAL BENEFITS

Per Hour:

All Crew Members: \$ 19.10

OVERTIME PAY

OVERTIME:.... See (B, E*, Q, V) ON OVERTIME PAGE.

*Doubletime paid on the 9th hour on Saturday.

HOLIDAY

Paid: See (5, 6, 7, 11, 16) on HOLIDAY PAGE
Overtime: See (5, 6, 7, 11, 16) on HOLIDAY PAGE

9-15dconsult

Painter

12/01/2015

JOB DESCRIPTION Painter

DISTRICT 8

ENTIRE COUNTIES

Putnam, Suffolk, Westchester

PARTIAL COUNTIES

Nassau: All of Nassau except the areas described below: Atlantic Beach, Ceaderhurst, East Rockaway, Gibson, Hewlett, Hewlett Bay, Hewlett Neck, Hewlett Park, Inwood, Lawrence, Lido Beach, Long Beach, parts of Lynbrook, parts of Oceanside, parts of Valley Stream, and Woodmere. Starting on the South side of Sunrise Hwy in Valley Stream running east to Windsor and Rockaway Ave., Rockville Centre is the boundary line up to Lawson Blvd. turn right going west all the above territory. Starting at Union Turnpike and Lakeville Rd. going north to Northern Blvd. the west side of Lakeville road to Northern blvd. At Northern blvd. going east the district north of Northern blvd. to Port Washington Blvd. West of Port Washington blvd.to St.Francis Hospital then north of first traffic light to Port Washington and Sands Point, Manor HAVen, Harbour Acres.

WAGES

Per hour: 07/01/2015

Drywall Taper \$ 41.75

SUPPLEMENTAL BENEFITS

Per hour worked: 07/01/2015

Journeyman \$ 20.97

OVERTIME PAY

See (A, H) on OVERTIME PAGE

For Journeyman: Deduct \$4.25 from wage rate BEFORE calculating overtime pay.

For Apprentices: Deduct \$ 2.44 from 2nd term wage rate, and \$ 3.25 from 3rd term wage rate BEFORE calculating overtime pay.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (4, 5, 6, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages(per Hour) 07/01/2015

1500 hour terms at the following wage rate:

1st term \$ 18.13

2nd term \$ 27.19

3rd term \$ 36.26

Supplemental Benefits per hour:

One year term (1500 hours)at the following dollar amount.

1st year \$ 10.25

2nd year \$ 16.43

3rd year \$ 19.25

8-NYDCT9-DWT

Painter

12/01/2015

JOB DESCRIPTION Painter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Suffolk, Westchester

WAGES

Per hour: 07/01/2015

Brush	\$ 43.75
Abatement/Removal of lead based or lead containing paint on materials to be repainted.	43.75
Spray & Scaffold	46.75
Fire Escape	46.75
Decorator	46.75
Paperhanger/Wall Coverer	41.08

SUPPLEMENTAL BENEFITS

Per hour worked: 07/01/2015

Paperhanger	\$ 29.33
All others	20.97
Premium*	23.47*

*Applies only to "All others" category, not paperhanger journeyman.

OVERTIME PAY

See (A, H) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Indentured after 5/31/93 (1) year terms at the following wage rate.
 (per hour)

	07/01/2015
Appr 1st term...	\$ 16.55
Appr 2nd term...	21.66
Appr 3rd term...	26.24
Appr 4th term...	35.02
Supplemental benefits:	
(per Hour worked)	
Appr 1st term...	\$ 10.23
Appr 2nd term...	12.92
Appr 3rd term...	15.20
Appr 4th term...	19.70

8-NYDC9-B/S

Painter - Bridge & Structural Steel

12/01/2015

JOB DESCRIPTION Painter - Bridge & Structural Steel

DISTRICT 8

ENTIRE COUNTIES

Albany, Bronx, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Kings, Montgomery, Nassau, New York, Orange, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per Hour Worked:

STEEL:

Bridge Painting:	07/01/2015	10/01/2015
From May 1st to Nov. 15th -	\$ 48.00	\$ 49.00
	+ 5.63*	+ 6.13*
From Nov. 16th to April 30th -	\$ 48.00	\$ 49.00
	+ 5.63*	+ 6.13*

*Not subject to overtime and limited to first 40 hours

NOTE: All premium wages are to be calculated on \$48.00 or \$49.00 per hour only.

EXCEPTION: During the period of May 1st to November 15th, for the first and last week of employment on the project, and for the weeks of Memorial Day, Independence Day and Labor Day, this rate shall be paid for the actual number of hours worked.

Power Tool/Spray is an additional \$6.00 per hour above hourly rate, whether straight time or overtime

NOTE: Generally, for Bridge Painting Contracts, ALL WORKERS on and off the bridge (including Flagmen) are to be paid Painter's Rate; the contract must be ONLY for Bridge Painting.

SUPPLEMENTAL BENEFITS

Per Hour Worked:

Journeyworker:	07/01/2015	10/01/2015
From May 1st to Nov. 15th -		
Hourly Rate up to 40 hours	\$ 28.95	\$ 29.95
Hourly Rate after 40 hours	7.50	7.50
From Nov. 16th to April 30th -		
Hourly Rate up to 50 hours	28.95	29.70
Hourly Rate after 50 hours	7.50	7.50

EXCEPTION: During the period of May 1st to November 15th, for the first and last week of employment on the project, and for the weeks of Memorial Day, Independence Day and Labor Day, this rate shall be paid for the actual number of hours worked.

OVERTIME PAY

See (A, F, R) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (4, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

(Wage per hour Worked):

Apprentices: (1) year terms	07/01/2015	10/01/2015
1st 90 days	\$ 21.45	\$ 22.05
1st year after 90 days	21.45	22.05
2nd year	32.18	33.08
3rd year	42.90	44.10

Supplemental Benefits per hour worked:

	07/01/2015	10/01/2015
1st 90 days	\$ 8.83	\$ 9.23
1st year after 90 days	11.58	11.98
2nd year	17.37	17.97
3rd year	23.16	23.96

8-DC-9/806/155-BrSS

Painter - Line Striping

12/01/2015

JOB DESCRIPTION Painter - Line Striping

DISTRICT 8

ENTIRE COUNTIES

Albany, Bronx, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Kings, Montgomery, Nassau, New York, Orange, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per hour:

Painter (Striping-Highway):	07/01/2015
Striping-Machine Operator*	\$ 27.11
Linerman Thermoplastic	\$ 32.37

Note: * Includes but is not limited to: Positioning of cones and directing of traffic using hand held devices. Excludes the Driver/Operator of equipment used in the maintenance and protection of traffic safety

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.

NOTE - In order to use the '4 Day/10 Hour Work Schedule,' as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour paid: 07/01/2015
 Journeyworker:

Striping-Machine operator \$ 14.18
 Linerman Thermoplastic \$ 14.55

OVERTIME PAY

See (B, E, E2, F, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 20) on HOLIDAY PAGE
 Overtime: See (5, 8, 11, 12, 15, 16, 17, 20, 21, 22) on HOLIDAY PAGE

8-1456-LS

Painter - Metal Polisher

12/01/2015

JOB DESCRIPTION Painter - Metal Polisher

DISTRICT 8

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuylar, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

	07/01/2015	06/01/2016	06/01/2017
Metal Polisher	\$ 28.07	\$ 28.88	\$ 29.73
Metal Polisher**	29.02	29.83	30.68
Metal Polisher***	31.57	32.38	33.23

**Note: Applies on New Construction & complete renovation

*** Note: Applies when working on scaffolds over 34 feet.

SUPPLEMENTAL BENEFITS

Per Hour:	07/01/2015	06/01/2016	06/01/2017
Journeyworker:			
All classification	\$ 9.12	\$ 9.26	\$ 9.41

OVERTIME PAY

See (B, E, E2, P, T) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 11, 15, 16, 25, 26) on HOLIDAY PAGE
 Overtime: See (5, 6, 9, 11, 15, 16, 25, 26) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

One (1) year term at the following wage rates:

	07/01/2015	06/01/2016
1st year	\$ 11.75	\$ 11.75
2nd year	13.00	13.00
3rd year	15.75	15.75

Supplemental benefits:

Per hour paid:

	07/01/2015	06/01/2016
1st year	\$ 6.26	\$6.26
2nd year	6.37	6.37
3rd year	6.51	6.51

8-8A/28A-MP

Plumber

12/01/2015

JOB DESCRIPTION Plumber

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

WAGES

Per hour:

07/01/2015

Plumber and

Steamfitter

\$ 53.16

SHIFT WORK:

When directly specified in public agency or authority contract documents, shift work outside the regular hours of work shall be comprised of eight (8) hours per shift not including Saturday, Sundays and holidays. One half (1/2) hour shall be allowed for lunch after the first four (4) hours of each shift. Wage and Fringes for shift work shall be straight time plus a shift premium of twenty-five (25%) percent. A minimum of five days Monday through Friday must be worked to establish shift work.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker

\$ 26.43 Per hour paid
+ \$2.73 per hr. worked**

** Not Subject to Overtime.

OVERTIME PAY

See (B, E, E2, Q, V) on OVERTIME PAGE

OVERTIME:... See on OVERTIME PAGE.

* NOTE:Time and one half for the first 8 hours on Saturday. Additional hours on Saturday to be paid at double time.

HOLIDAY

Paid:

See (1) on HOLIDAY PAGE

Overtime:

See (5, 6, 8, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1)year terms at the following wages.

1st Term	\$ 19.61
2nd Term	22.55
3rd Term	26.00
4th Term	37.27
5th Term	40.01

Supplemental Benefits per hour:

Apprentices

1st term	\$11.19 per hour paid + 1.16 per hour worked
2nd term	12.38 per hour paid + 1.30 per hour worked
3rd term	14.76 per hour paid + 1.60 per hour worked
4th term	18.87 per hour paid + 2.36 per hour worked
5th term	20.09 per hour paid + 2.36 per hour worked

8-21.1-ST

Plumber - HVAC / Service

12/01/2015

JOB DESCRIPTION Plumber - HVAC / Service

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Putnam, Westchester

PARTIAL COUNTIES

Delaware: Only the townships of Middletown and Roxbury

Ulster: Entire County(including Wallkill and Shawangunk Prisons) except for remainder of Town of Shawangunk and Towns of Plattekill, Marlboro, and Wawarsing.

WAGES

Per hour: 07/01/2015

HVAC Service \$ 39.70

SUPPLEMENTAL BENEFITS

Per hour worked: 07/01/2015

Journeyworker HVAC Service
 \$ 18.09 per hour paid
 + 1.10 per hour worked**

** Not subject to overtime

OVERTIME PAY

See (B, *E, Q, V) on OVERTIME PAGE

Note: Time and one half for the first eight hours on Saturdays.

Additional hours on Saturday to be paid at double time.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

HVAC SERVICE

REGISTERED APPRENTICES

(1)year terms at the following wages.

	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr.
07/01/2015	\$ 18.59	\$ 21.71	\$ 27.13	\$ 33.19	\$35.69

Supplemental Benefits per hour worked:

Apprentices	07/01/2015
1st term	\$ 15.17 per hour paid + 1.10 per hour worked
2nd term	\$ 15.66 per hour paid + 1.10 per hour worked
3rd term	\$ 16.30 per hour paid + 1.10 per hour worked
4th term	\$ 17.02 per hour paid + 1.10 per hour worked
5th term	\$ 17.57 per hour paid + 1.10 per hour worked

8-21.1&2-SF/Re/AC

Plumber - Jobbing & Alterations

12/01/2015

JOB DESCRIPTION Plumber - Jobbing & Alterations

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Putnam, Ulster, Westchester

WAGES

Per hour: 07/01/2015
 Journeyworker: \$ 41.15

Repairs, replacements and alteration work is any repair or replacement of a present plumbing system that does not change existing roughing or water supply lines.

SHIFT WORK:

When directly specified in public agency or authority contract documents, shift work outside the regular hours of work shall be comprised of eight (8) hours per shift not including Saturday, Sundays and holidays. One half (1/2) hour shall be allowed for lunch after the first four (4) hours of each shift. Wage and Fringes for shift work shall be straight time plus a shift premium of twenty-five (25%) percent. A minimum of five days Monday through Friday must be worked to establish shift work.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 22.11 per hour paid
+ 2.73 per hour worked**

**Not subject to overtime

OVERTIME PAY

See (B, *E, E2, Q, V) on OVERTIME PAGE

Note: Time and one half for the first eight hours on Saturdays.

Additional hours on Saturday to be paid at double time.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1) year terms at the following wages.

1st year \$ 18.06
2nd year 20.00
3rd year 21.48
4th year 30.26
5th year 31.90

Supplemental Benefits per hour:

Apprentices
1st year \$ 7.07 per hour paid
+ 0.50 per hour worked

2nd year 8.13 per hour paid
+ 0.93 per hour worked

3rd year 11.43 per hour paid
+ 1.05 per hour worked

4th year 15.15 per hour paid
+ 1.46 per hour worked

5th year 16.26 per hour paid
+ 1.90 per hour worked

8-21.3-J&A

Roofer

12/01/2015

JOB DESCRIPTION Roofer

DISTRICT 9

ENTIRE COUNTIES

Bronx, Dutchess, Kings, New York, Orange, Putnam, Queens, Richmond, Rockland, Sullivan, Ulster, Westchester

WAGES

Per Hour: 07/01/2015

Roofer/Waterproofeer \$ 42.20

Note: Abatement/Removal of Asbestos containing roofs and roofing material is classified as Roofer.

SUPPLEMENTAL BENEFITS

Journeyworker \$ 28.93

OVERTIME PAY

See (B, H) on OVERTIME PAGE

Note: An observed holiday that falls on a Sunday will be observed the following Monday.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1) year terms at the following percentage of Journeyworkers hourly wage.

1st	2nd	3rd	4th
35%	50%	60%	75%

Supplements per hour paid at the following rates:

1st	2nd	3rd	4th
\$ 2.70	\$ 14.76	\$ 17.59	\$ 21.85

9-8R

Sheetmetal Worker

12/01/2015

JOB DESCRIPTION Sheetmetal Worker

DISTRICT 4

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per Hour: 07/01/2015

Sign Erector \$ 45.60

NOTE: Structurally Supported Overhead Highway Signs(See STRUCTAL IRON WORKER CLASS)

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2015

Sign Erector \$ 40.25

OVERTIME PAY

See (A, F, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 10, 11, 12, 16, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 10, 11, 12, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Per Hour:

6 month Terms at the following percentage of Sign Erectors wage rate:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
35%	40%	45%	50%	55%	60%	65%	70%	75%	80%

SUPPLEMENTAL BENEFITS

Per Hour:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$11.08	\$12.55	\$14.04	\$15.51	\$21.93	\$23.86	\$26.46	\$28.45	\$30.42	\$32.40

4-137-SE

Sheetmetal Worker

12/01/2015

JOB DESCRIPTION Sheetmetal Worker

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester

WAGES

SheetMetal Worker 07/01/2015

\$ 43.41

SHIFT WORK

For all NYS D.O.T. and other Governmental mandated off-shift work:

10% increase for additional shifts for a minimum of five (5) days

SUPPLEMENTAL BENEFITS

Journeyworker \$ 36.27

OVERTIME PAY

OVERTIME... See (B, E, Q,) on OVERTIME PAGE.

*Note: For Sundays or Holidays worked, HOURLY WAGE is double the total of the hourly wage plus the hourly benefit paid all in wages. (Benefits are included in the wages).

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6, 8, 15, 16, 23) on HOLIDAY PAGE

REGISTERED APPRENTICES

1st	2nd	3rd	4th	5th	6th	7th	8th
\$16.07	\$18.07	\$ 20.09	\$ 22.09	\$ 24.09	\$ 26.11	\$ 28.59	\$ 31.07

Supplemental Benefits per hour:

Apprentices

1st term	\$ 15.80
2nd term	17.79
3rd term	19.75
4th term	21.73
5th term	23.72
6th term	25.68
7th term	27.19
8th term	28.69

8-38

Sprinkler Fitter

12/01/2015

JOB DESCRIPTION Sprinkler Fitter

DISTRICT 1

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester

WAGES

Per hour

07/01/2015

Sprinkler Fitter \$ 41.47

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman \$ 21.30

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
 Overtime: See (5, 6) on HOLIDAY PAGE

Note: When a holiday falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double time rate. When a holiday falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double time rate.

REGISTERED APPRENTICES

Wages per hour

For Apprentices HIRED PRIOR TO 04/01/2010:

One Half Year terms at the following percentage of journeyman's wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
50%	50%	55%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
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\$ 8.15	\$ 8.15	\$ 15.12	\$ 15.12	\$21.30	\$21.30	\$21.30	\$21.30	\$21.30	\$21.30
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For Apprentices HIRED ON OR AFTER 04/01/2010:

One Half Year terms at the following percentage of journeyman's wage.

1st 45%	2nd 50%	3rd 55%	4th 60%	5th 65%	6th 70%	7th 75%	8th 80%	9th 85%	10th 90%
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Supplemental Benefits per hour worked

1st \$ 8.68	2nd \$ 8.74	3rd \$ 15.52	4th \$ 15.58	5th \$ 16.04	6th \$ 16.20	7th \$ 16.26	8th \$ 16.31	9th \$ 16.37	10th \$ 16.43
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For Apprentices HIRED ON OR AFTER 04/01/2013:

One Half Year terms at the following percentage of journeyman's wage.

1st 45%	2nd 50%	3rd 55%	4th 60%	5th 65%	6th 70%	7th 75%	8th 80%	9th 85%	10th 90%
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Supplemental Benefits per hour worked

1st \$ 7.90	2nd \$ 7.90	3rd \$ 15.12	4th \$ 15.12	5th \$ 15.37	6th \$ 15.37	7th \$ 15.37	8th \$ 15.37	9th \$ 15.37	10th \$ 15.37
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1-669.2

Teamster - Building / Heavy&Highway **12/01/2015**

JOB DESCRIPTION Teamster - Building / Heavy&Highway

DISTRICT 8

ENTIRE COUNTIES

Putnam, Westchester

WAGES

GROUP A: Straight Trucks (6-wheeler and 10-wheeler), A-frame, Winch, Dynamite Seeding, Mulching, Agitator, Water, Cement (all types), Suburban, Station Wagons, Cars, Pick Ups, any vehicle carrying materials of any kind.

GROUP B: Tractor & Trailers (all types).

GROUP BB: 14 Wheeler

GROUP C: Low Boy (carrying equipment).

GROUP CC: Light Tower, Attenuator Trucks

GROUP D: Fuel Trucks, Tire Trucks.

GROUP E: Off-road Equipment (over 40 tons): Athey Wagons, Belly Dumps, Articulated Dumps, Trailer Wagons.

GROUP F: Off-road Equipment (over 40 tons) Euclid,DJB.

GROUP G: Off-road Equipment (under 40 tons) Athey Wagons, Belly Articulated Dumps, Trailer Wagons.

GROUP H: Off-road Equipment(under 40 tons), Euclid.

GROUP HH: Off-road Equipment(under 40 tons)D.J.B.

GROUP I: Off-road Equipment(under 40 tons)Darts.

GROUP II: Off-road Equipment(under 40 tons)RXS.

WAGES:(per hour)

07/01/2015

GROUP A	\$ 39.52*
GROUP B	40.14*
GROUP BB	39.64*
GROUP C	42.27*
GROUP CC	39.52*
GROUP D	39.97*
GROUP E	40.52*
GROUP F	41.52*
GROUP G	40.27*
GROUP H	40.89*
GROUP HH	41.27*
GROUP I	41.02*
GROUP II	41.39*

* To calculate premium wage, subtract \$.20 from the hourly wage.

Note: Fuel truck operators on construction sites addit. \$5.00 per day.
For work on hazardous/toxic waste site addit. 20% of hourly rate.

Shift Differential: NYS DOT or other Governmental Agency contracts shall receive a shift differential of Fifteen(15%)percent above the wage rate

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Fridays and Saturdays may be used as make-up days at straight time when a day during the work week has been lost due to inclement weather.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30R; and there must be a dispensation of hours in place on the project. If the PW30R is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour paid:
Journeyworker

First 40 hours	\$25.32
For the 41st-45th hours	10.13
Over 45 hours	0.25

NOTE: Employees entitled to 1 week of paid vacation based on group classification after 90 days of employment.

OVERTIME PAY

See (B, E, P, R) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 8, 9, 15, 25) on HOLIDAY PAGE
Overtime: See (5, 6, 8, 9, 15, 25) on HOLIDAY PAGE

8-456

Welder

12/01/2015

JOB DESCRIPTION Welder

DISTRICT 1

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per hour 07/01/2015

Welder: To be paid the same rate of the mechanic performing the work.*

*EXCEPTION: If a specific welder certification is required, then the 'Certified Welder' rate in that trade tag will be paid.

OVERTIME PAY

HOLIDAY

1-As Per Trade

Overtime Codes

Following is an explanation of the code(s) listed in the OVERTIME section of each classification contained in the attached schedule. Additional requirements may also be listed in the HOLIDAY section.

NOTE: Supplemental Benefits are 'Per hour worked' (for each hour worked) unless otherwise noted

- (AA) Time and one half of the hourly rate after 7 and one half hours per day
- (A) Time and one half of the hourly rate after 7 hours per day
- (B) Time and one half of the hourly rate after 8 hours per day
- (B1) Time and one half of the hourly rate for the 9th & 10th hours week days and the 1st 8 hours on Saturday.
Double the hourly rate for all additional hours
- (B2) Time and one half of the hourly rate after 40 hours per week
- (C) Double the hourly rate after 7 hours per day
- (C1) Double the hourly rate after 7 and one half hours per day
- (D) Double the hourly rate after 8 hours per day
- (D1) Double the hourly rate after 9 hours per day
- (E) Time and one half of the hourly rate on Saturday
- (E1) Time and one half 1st 4 hours on Saturday; Double the hourly rate all additional Saturday hours
- (E2) Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E3) Between November 1st and March 3rd Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather, provided a given employee has worked between 16 and 32 hours that week
- (E4) Saturday and Sunday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E5) Double time after 8 hours on Saturdays
- (F) Time and one half of the hourly rate on Saturday and Sunday
- (G) Time and one half of the hourly rate on Saturday and Holidays
- (H) Time and one half of the hourly rate on Saturday, Sunday, and Holidays
- (I) Time and one half of the hourly rate on Sunday
- (J) Time and one half of the hourly rate on Sunday and Holidays
- (K) Time and one half of the hourly rate on Holidays
- (L) Double the hourly rate on Saturday
- (M) Double the hourly rate on Saturday and Sunday
- (N) Double the hourly rate on Saturday and Holidays
- (O) Double the hourly rate on Saturday, Sunday, and Holidays
- (P) Double the hourly rate on Sunday
- (Q) Double the hourly rate on Sunday and Holidays
- (R) Double the hourly rate on Holidays
- (S) Two and one half times the hourly rate for Holidays, if worked

- (S1) Two and one half times the hourly rate the first 8 hours on Sunday or Holidays One and one half times the hourly rate all additional hours.
- (T) Triple the hourly rate for Holidays, if worked
- (U) Four times the hourly rate for Holidays, if worked
- (V) Including benefits at SAME PREMIUM as shown for overtime
- (W) Time and one half for benefits on all overtime hours.

Holiday Codes

PAID Holidays:

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

OVERTIME Holiday Pay:

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays. The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Following is an explanation of the code(s) listed in the HOLIDAY section of each classification contained in the attached schedule. The Holidays as listed below are to be paid at the wage rates at which the employee is normally classified.

- (1) None
- (2) Labor Day
- (3) Memorial Day and Labor Day
- (4) Memorial Day and July 4th
- (5) Memorial Day, July 4th, and Labor Day
- (6) New Year's, Thanksgiving, and Christmas
- (7) Lincoln's Birthday, Washington's Birthday, and Veterans Day
- (8) Good Friday
- (9) Lincoln's Birthday
- (10) Washington's Birthday
- (11) Columbus Day
- (12) Election Day
- (13) Presidential Election Day
- (14) 1/2 Day on Presidential Election Day
- (15) Veterans Day
- (16) Day after Thanksgiving
- (17) July 4th
- (18) 1/2 Day before Christmas
- (19) 1/2 Day before New Years
- (20) Thanksgiving
- (21) New Year's Day
- (22) Christmas
- (23) Day before Christmas
- (24) Day before New Year's
- (25) Presidents' Day
- (26) Martin Luther King, Jr. Day
- (27) Memorial Day



**New York State Department of Labor - Bureau of Public Work
State Office Building Campus
Building 12 - Room 130
Albany, New York 12240**

REQUEST FOR WAGE AND SUPPLEMENT INFORMATION

As Required by Articles 8 and 9 of the NYS Labor Law

Fax (518) 485-1870 or mail this form for new schedules or for determination for additional occupations.

This Form Must Be Typed

Submitted By:

(Check Only One)

Contracting Agency

Architect or Engineering Firm

Public Work District Office

Date:

A. Public Work Contract to be let by: (Enter Data Pertaining to Contracting/Public Agency)

1. Name and complete address (Check if new or change)

Telephone: ()

Fax: ()

E-Mail:

2. NY State Units (see Item 5)

01 DOT

02 OGS

03 Dormitory Authority

04 State University
Construction Fund

05 Mental Hygiene
Facilities Corp.

06 OTHER N.Y. STATE UNIT

07 City

08 Local School District

09 Special Local District, i.e.,
Fire, Sewer, Water District

10 Village

11 Town

12 County

13 Other Non-N.Y. State
(Describe)

3. SEND REPLY TO check if new or change)
Name and complete address:

Telephone:()

Fax: ()

E-Mail:

4. SERVICE REQUIRED. Check appropriate box and provide project information.

New Schedule of Wages and Supplements.

APPROXIMATE BID DATE :

Additional Occupation and/or Redetermination

PRC NUMBER ISSUED PREVIOUSLY FOR
THIS PROJECT :

OFFICE USE ONLY

B. PROJECT PARTICULARS

5. Project Title _____

Description of Work _____

Contract Identification Number _____

Note: For NYS units, the OSC Contract No. _____

6. Location of Project:
Location on Site _____

Route No/Street Address _____

Village or City _____

Town _____

County _____

7. Nature of Project - Check One:

1. New Building

2. Addition to Existing Structure

3. Heavy and Highway Construction (New and Repair)

4. New Sewer or Waterline

5. Other New Construction (Explain)

6. Other Reconstruction, Maintenance, Repair or Alteration

7. Demolition

8. Building Service Contract

8. OCCUPATION FOR PROJECT :

Construction (Building, Heavy
Highway/Sewer/Water)

Tunnel

Residential

Landscape Maintenance

Elevator maintenance

Exterminators, Fumigators

Fire Safety Director, NYC Only

Guards, Watchmen

Janitors, Porters, Cleaners,
Elevator Operators

Moving furniture and
equipment

Trash and refuse removal

Window cleaners

Other (Describe)

9. Has this project been reviewed for compliance with the Wicks Law involving separate bidding?

YES NO

10. Name and Title of Requester

Signature



NEW YORK STATE DEPARTMENT OF LABOR
Bureau of Public Work - Debarment List

**LIST OF EMPLOYERS INELIGIBLE TO BID ON OR BE
AWARDED ANY PUBLIC WORK CONTRACT**

Under Article 8 and Article 9 of the NYS Labor Law, a contractor, sub-contractor and/or its successor shall be debarred and ineligible to submit a bid on or be awarded any public work or public building service contract/sub-contract with the state, any municipal corporation or public body for a period of five (5) years from the date of debarment when:

- Two (2) final determinations have been rendered within any consecutive six-year (6) period determining that such contractor, sub-contractor and/or its successor has WILLFULLY failed to pay the prevailing wage and/or supplements
- One (1) final determination involves falsification of payroll records or the kickback of wages and/or supplements

NOTE: The agency issuing the determination and providing the information, is denoted under the heading 'Fiscal Officer'. DOL = NYS Dept. of Labor; NYC = New York City Comptroller's Office; AG = NYS Attorney General's Office; DA = County District Attorney's Office.

A list of those barred from bidding, or being awarded, any public work contract or subcontract with the State, under section 141-b of the Workers' Compensation Law, may be obtained at the following link, on the NYS DOL Website:

<https://dbr.labor.state.ny.us/EDList/searchPage.do>

NYS DOL Bureau of Public Work Debarment List 11/04/2015

Article 8

AGENCY	Fiscal Officer	FEIN	EMPLOYER NAME	EMPLOYER DBA NAME	ADDRESS	DEBARMENT START DATE	DEBARMENT END DATE
DOL	DOL		4618 FOSTER AVE LLC		C/O KAHAN & KAHAN 225 BROADWAY-SUITE 715NEW YORK NY 10007	02/05/2013	02/05/2018
DOL	DOL	****0996	A-1 CONSTRUCTION & RENOVATION INC		1973 81ST ST - SUITE A-5 BROOKLYN NY 11214	01/08/2015	01/08/2020
DOL	NYC	****4486	ABBEY PAINTING CORP		21107 28TH AVENUE BAYSIDE NY 11360	07/02/2012	07/02/2017
DOL	DOL	****9095	ABDO TILE CO		6179 EAST MOLLOY ROAD EAST SYRACUSE NY 13057	06/25/2010	07/02/2017
DOL	DOL	****9095	ABDO TILE COMPANY		6179 EAST MOLLOY ROAD EAST SYRACUSE NY 13057	06/25/2010	07/02/2017
DOL	NYC		ABDUL KARIM		C/O NORTH AMERICAN IRON W 1560 DECATUR STREETRIDGWOOD NY 11385	05/15/2015	05/15/2020
DOL	DOL	****8488	ABELCRAFT OF NEW YORK CORP		640 ASHFORD AVENUE ARDSLEY NY 10502	08/27/2013	08/27/2018
DOL	DOL	****1219	ABSOLUTE GENERAL CONTRACTING INC		1229 AVENUE U BROOKLYN NY 11229	01/28/2013	01/28/2018
DOL	DOL	****4539	ACCOMPLISHED WALL SYSTEMS INC		112 OSCAWANA HEIGHTS ROAD PUTNAM VALLEY NY 10542	08/27/2013	08/27/2018
DOL	DOL	****8018	ACCURATE MECHANICAL LLC		9547 BUSTLETON AVENUE PHILADELPHIA PA 19115	02/05/2014	02/05/2019
DOL	DOL		ACCURATE MECHANICAL OF PHILADELPHIA LLC		9547 BUSTLETON AVENUE PHILADELPHIA PA 19115	02/05/2014	02/05/2019
DOL	DOL	****7584	ADAM'S FLOOR COVERING LLC		2718 CURRY ROAD SCHENECTADY NY 12303	07/08/2010	02/15/2017
DOL	DOL		ADESUWA UWUIGBE		P O BOX 21-1022 BROOKLYN NY 11221	05/16/2012	05/16/2017
DOL	NYC		ADRIANA SELA	C/O COLONIAL ROOFING COMPANY INC	247 48TH STREET BROOKLYN NY 11220	02/05/2014	02/05/2019
DOL	DOL	****6367	ADVANCED METALS		387 RIVERSIDE DRIVE JOHNSON CITY NY 13790	10/01/2012	10/01/2017
DOL	DOL	****1687	ADVANCED SAFETY SPRINKLER INC		261 MILL ROAD P O BOX 296EAST AURORA NY 14052	07/29/2015	07/29/2020
DOL	DOL	****2538	AGG MASONRY INC		160 72ND ST - SUITE 721 BROOKLYN NY 11209	03/19/2013	03/19/2018
DOL	DOL		ALBERT CASEY		43-28 54TH STREET WOODSIDE NY 11377	07/01/2011	07/01/2016
DOL	DOL		ALEJANDRO MATOS		C/O SEVEN STAR ELECTRICAL 23-24 STEINWAY STREETASTORIA NY 11105	06/27/2011	06/27/2016
DOL	DOL		ALISHER KARIMOV		C/O AGG MASONRY INC 7105 3RD AVENUEBROOKLYN NY 11209	03/19/2013	03/19/2018
DOL	DOL	****8740	ALLSTATE ENVIRONMENTAL CORP		C/O JOSE MONTAS 27 BUTLER PLACEYONKERS NY 10710	03/18/2011	03/19/2020
DOL	DOL	****4274	AMERICAN STEEL MECHANICAL INC		693 PAINTER STREET MEDIA PA 19063	02/20/2013	02/20/2018
DOL	NYC		ANDERSON LOPEZ		670 SOUTHERN BLVD BRONX NY 10455	06/14/2011	06/14/2016
DOL	DOL		ANDREW DIPAUL		C/O CONSOLIDATED INDUSTRI 2051 ROUTE 44/55MODENA NY 12548	12/11/2012	12/11/2017
DOL	NYC		ANDRZEJ WROBEL		24 CONGRESS LANE SOUTH RIVER NJ 08882	05/01/2013	05/01/2018
DOL	NYC		ANISUL ISLAM		C/O RELIANCE GENERAL CONS 644 OCEAN PARKWAYBROOKLYN NY 11230	09/02/2015	09/02/2020
DOL	DOL	****7004	ANNEX CONTRACTING LTD		3005 WYNSUM AVENUE MERRICK NY 11566	08/18/2014	08/18/2019
DOL	DOL	****7004	ANNEX GENERAL CONTRACTING INC		3005 WYNSUM AVENUE MERRICK NY 11566	08/18/2014	08/18/2019
DOL	DA		ANTHONY CARDINALE		58-48 59TH STREET MASPETH NY 11378	05/16/2012	05/08/2020
DOL	DOL		ANTHONY J MINGARELLI JR		C/O T & T CONCRETE INC 2560 HAMBURG TURNPIKELACKAWANNA NY 14218	07/08/2015	07/08/2020

NYS DOL Bureau of Public Work Debarment List 11/04/2015

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DOL	DOL	****3020	APCO CONTRACTING CORP		24 SOUTH MARYLAND AVENUE PORT WASHINGTON NY 11050	09/24/2012	09/02/2020
DOL	DOL	****3219	APOLLO CONSTRUCTION SERVICES CORP	APOLLO PAINTING CO	157 TIBBETTS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		APOLLO PAINTING CO		157 TIBBETTS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL	****3295	APOLLO PAINTING CORP		3 ALAN B SHEPART PLACE YONKERS NY 10705	03/12/2014	03/12/2019
DOL	AG	****0194	APPLIED CONSTRUCTION INC		46 RUGBY ROAD WESTBURY NY 11590	11/20/2013	11/20/2018
DOL	NYC	****8403	AQUA JET PAINTING CORP		10 VIKING DRIVE WEST ISLIP NY 11795	04/16/2014	04/16/2019
DOL	NYC	****9232	ARKAY CONSTRUCTION INC		102-104 GREYLOCK AVENUE BELLEVILLE NJ 07109	07/15/2015	07/15/2020
DOL	DOL	****3953	ASCAPE LANDSCAPE & CONSTRUCTION CORP		634 ROUTE 303 BLAUVELT NY 10913	07/26/2012	11/19/2018
DOL	NYC	****4779	ASTORIA GENERAL CONTRACTING CORP		35-34 31ST STREET LONG ISLAND CITY NY 11106	09/02/2015	09/02/2020
DOL	NYC		AUDLEY O'BRIEN		1273 NORTH AVENUE/#1 CP NEW ROCHELLE NY 10804	04/07/2015	04/07/2020
DOL	DOL		AVIS R HILL		3510 HICKORY WALK LANE ELLENWOOD GA 32094	01/22/2015	01/22/2020
DOL	DOL	****2534	B & B CONCRETE CONTRACTORS INC		55 OLD TURNPIKE ROAD SUITE 612 NANUET NY 10954	02/04/2011	02/04/2016
DOL	DOL		BARBARA CASSIDY		7 BLENIS PLACE VALHALLA NY 10595	04/02/2015	04/02/2020
DOL	DOL	****2294	BEDELL CONTRACTING CORP		2 TINA LANE HOPEWELL JUNCTION NY 12533	01/06/2012	01/06/2017
DOL	DOL	****6999	BEST ROOFING OF NEW JERSEY LLC		30 MIDLAND AVENUE WALLINGTON NJ 07057	11/05/2010	11/05/2015
DOL	DOL		BEVERLY F WILLIAMS		1238 PRESIDENT STREET BROOKLYN NY 11225	11/18/2013	11/18/2018
DOL	DOL		BIAGIO CANTISANI		200 FERRIS AVENUE WHITE PLAINS NY 10603	12/04/2009	05/04/2017
DOL	NYC	****6555	BROOKLYN WELDING CORP		1273 NORTH AVENUE/ #1 CP NEW ROCHELLE NY 10804	04/07/2015	04/07/2020
DOL	DOL	****6156	C & J LANDSCAPING & MAINTENANCE INC		520 PINE HILL ROAD CHESTER NY 10940	06/23/2014	06/23/2019
DOL	DOL		CANTISANI & ASSOCIATES LTD		442 FERRIS AVENUE WHITE PLAINS NY 10603	12/04/2009	05/04/2017
DOL	DOL		CANTISANI HOLDING LLC		220 FERRIS AVENUE WHITE PLAINS NY 10603	05/04/2012	05/04/2017
DOL	DOL	****1143	CARMODY BUILDING CORP		442 ARMONK ROAD MOUNT KISCO NY 10549	05/04/2012	05/04/2017
DOL	DOL	****3368	CARMODY CONCRETE CORP		442 ARMONK ROAD MOUNT KISCO NY 10549	12/04/2009	05/04/2017
DOL	DOL		CARMODY CONTRACTING CORP		220 FERRIS AVENUE WHITE PLAINS NY 10603	05/04/2012	05/04/2017
DOL	DOL	****6215	CARMODY CONTRACTING INC		220 FERRIS AVENUE WHITE PLAINS NY 10603	05/04/2012	05/04/2017
DOL	DOL		CARMODY ENTERPRISES LTD		220 FERRIS AVENUE WHITE PLAINS NY 10603	12/04/2009	05/04/2017
DOL	DOL	****3812	CARMODY INC		442 ARMONK ROAD MOUNT KISCO NY 10549	12/04/2009	05/04/2017
DOL	DOL	****3812	CARMODY INDUSTRIES INC		442 FERRIS AVENUE WHITE PLAINS NY 10603	05/04/2012	05/04/2017
DOL	DOL		CARMODY MAINTENANCE CORP		105 KISCO AVENUE MOUNT KISCO NY 10549	05/04/2012	05/04/2017
DOL	DOL	****0324	CARMODY MASONRY CORP		442 ARMONK ROAD MOUNT KISCO NY 10549	12/04/2009	05/04/2017
DOL	DOL	****3812	CARMODY"2" INC		220 FERRIS AVENUE WHITE PLAINS NY 10603	12/04/2009	05/04/2017
DOL	NYC	****9172	CASSIDY EXCAVATING INC		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	DOL	****1683	CATONE CONSTRUCTION COMPANY INC		294 ALPINE ROAD ROCHESTER NY 14423	03/09/2012	03/09/2017
DOL	DOL		CATONE ENTERPRISES INC		225 DAKOTA STREET ROCHESTER NY 14423	03/09/2012	03/09/2017
DOL	DOL	****6745	CATSKILL FENCE INSTALLATIONS INC		5445 ROUTE 32 CATSKILL NY 12414	08/22/2014	08/22/2019
DOL	DOL	****8530	CAZ CONTRACTING CORP		37-11 35TH AVENUE LONG ISLAND CITY NY 11101	08/26/2013	08/26/2018
DOL	DOL	****5556	CERTIFIED INSTALLERS INC		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018

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DOL	NYC		CHARLES CASSIDY JR		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	DOL		CHARLES OKRASKI		67 WARD ROAD SALT POINT NY 12578	01/21/2011	01/21/2016
DOL	DOL	****1416	CHEROMINO CONTROL GROUP LLC		61 WILLET ST - SUITE 14 PASSAIC NJ 07055	12/03/2009	02/23/2017
DOL	DOL		CHRIS SAVOURY		44 THIELLS-MT IVY ROAD POMONA NY 10970	10/14/2011	10/14/2016
DOL	DOL		CHRIST R PAPAS		C/O TRAC CONSTRUCTION INC 9091 ERIE ROADANGOLA NY 14006	02/03/2011	02/03/2016
DOL	DOL		CHRISTOF PREZBYL		2 TINA LANE HOPEWELL JUNCTION NY 12533	01/06/2012	01/06/2017
DOL	DOL	****3360	CITY LIMITS GROUP INC		2279 HOLLERS AVENUE BRONX NY 10475	01/07/2014	06/23/2019
DOL	NYC	****1768	COFIRE PAVING CORPORATION		120-30 28TH AVENUE FLUSHING NY 11354	01/14/2011	01/14/2016
DOL	NYC	****2905	COLONIAL ROOFING COMPANY INC		247 48TH STREET BROOKLYN NY 11220	02/05/2014	02/05/2019
DOL	NYC	****3182	COLORTECH INC		5990 58TH AVENUE MASPETH NY 11378	11/18/2013	11/18/2018
DOL	DOL	****8342	CONKLIN PORTFOLIO LLC		60 COLONIAL ROAD STILLWATER NY 12170	02/15/2011	02/15/2016
DOL	DOL	****2703	CONKLIN'S TECH- MECHANICAL INC		5 PARKER AVENUE POUGHKEEPSIE NY 12601	03/25/2014	03/25/2019
DOL	DOL	****4175	CONSOLIDATED INDUSTRIAL SERVICES INC		2051 ROUTE 44/55 MODENA NY 12548	12/11/2012	01/28/2018
DOL	DOL		CONSTANTINOS ZERVAS		37-11 35TH AVENUE LONG ISLAND CITY NY 11101	08/26/2013	08/26/2018
DOL	DOL	****5740	CORTLAND GLASS COMPANY INC		336 TOMPKINS STREET CORTLAND NY 13045	10/21/2010	07/15/2016
DOL	NYC	****4468	CRAFT CONTRACTING GROUP INC		3256 BRUNER AVENUE BRONX NY 10469	07/29/2014	07/29/2019
DOL	NYC	****8507	CRAFT FENCE INC		3256 BRUNER AVENUE BRONX NY 10469	07/29/2014	07/29/2019
DOL	DOL	****0810	D & G PAINTING & DECORATING INC		53 LITTLE COLLABAR ROAD MONTGOMERY NY 12549	04/19/2012	04/19/2017
DOL	DOL		DARYL T RIEKS		C/O RIEKS CONTRACTING LLC 4804 GAHWILER ROAD AUBURN NY 13021	05/01/2015	05/01/2020
DOL	NYC		DAWN AVILA AKA DAWN BECHTOLD		1ST FLOOR STORE FRONT 88-10 LITTLE NECK PARKWAY FLORAL PARK NY 11001	06/24/2014	06/24/2019
DOL	NYC		DAWN BECHTOLD AKA DAWN AVILA		1ST FLOOR STORE FRONT 88-10 LITTLE NECK PARKWAY FLORAL PARK NY 11001	06/24/2014	06/24/2019
DOL	DOL		DEAN ROBBINS III		212 OXFORD WAY SCHENECTADY NY 12309	12/11/2012	09/16/2018
DOL	NYC	****3865	DECOMA BUILDING CORPORATION		134 EVERGREEN PL/STE 101 EAST ORANGE NJ 07018	12/30/2013	12/30/2018
DOL	DOL	****1446	DELTA CONTRACTING PAINTING AND DECORATING INC		437 SUNRISE HIGHWAY WEST BABYLON NY 11707	08/12/2013	08/12/2018
DOL	DOL	****3538	DELTA CONTRACTING PAINTING AND DESIGN INC		75 MCCULLOCH DRIVE DIX HILLS NY 11746	10/19/2010	08/12/2018
DOL	DOL		DEMETRIOS KOUTSOURAS		530 BEECH STREET NEW HYDE PARK NY 11040	07/02/2012	07/02/2017
DOL	DOL	****9868	DESANTIS ENTERPRISES		161 OSWEGO RIVER ROAD PHOENIX NY 13135	09/24/2013	11/18/2018
DOL	NYC	****8234	DEWATERS PLUMBING AND HEATING LLC		30 COLUMBUS CIRCLE EASTCHESTER NY 10709	08/21/2012	08/21/2017
DOL	DOL	****9252	DI BERNARDO TILE AND MARBLE CO INC		15 WALKER WAY ALBANY NY 12205	03/21/2014	03/21/2019
DOL	DOL		DIANE DEAVER		731 WARWICK TURNPIKE HEWITT NJ 07421	06/25/2012	12/11/2017
DOL	NYC		DIMITRIOS KOUTSOUKOS		C/O ASTORIA GENERAL CONTR 35-34 31ST STREET LONG ISLAND CITY NY 11106	09/02/2015	09/02/2020
DOL	DOL		DORIS SKODA		C/O APCO CONTRACTING CORP 24 SOUTH MARYLAND AVENUE PORT WASHINGTON NY 11050	09/24/2012	09/02/2020

NYS DOL Bureau of Public Work Debarment List 11/04/2015

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DOL	DOL	****6982	DUFOUR GROUP INC	DUFOUR MASONRY	353 WEST 56TH STREET #7M NEW YORK NY 10019	06/10/2014	06/10/2019
DOL	DOL		DUFOUR MASONRY		353 WEST 56TH ST #7M NEW YORK NY 10019	06/10/2014	06/10/2019
DOL	DOL		DUFOUR MASONRY & RESTORATION INC		353 WEST 56TH STREET #7M NEW YORK NY 10019	06/10/2014	06/10/2019
DOL	DOL	****5840	DYNA CONTRACTING INC		363 88TH STREET BROOKLYN NY 11209	11/18/2013	11/18/2018
DOL	DOL		EARL GALBREATH		640 ASHFORD AVENUE ARDSLEY NY 10502	08/27/2013	08/27/2018
DOL	DOL		EARL L WILSON	WILSON BROTHER DRYWALL CONTRACTOR S	36 ABERSOLD STREET ROCHESTER NY 14621	08/31/2015	08/31/2020
DOL	DOL	****1496	EAST COAST DRYWALL INC		1238 PRESIDENT STREET BROOKLYN NY 11225	11/18/2013	11/18/2018
DOL	DOL	****8011	EOCA CLEANING CONTRACTORS INC		P O BOX 21-1022 BROOKLYN NY 11221	05/16/2012	05/16/2017
DOL	NYC	****8074	ECONOMY IRON WORKS INC		670 SOUTHERN BLVD BRONX NY 10455	06/14/2011	06/14/2016
DOL	DOL		EDWARD L GAUTHIER		C/O IMPERIAL MASONRY REST 141 ARGONNE DRIVEKENMORE NY 14217	10/03/2012	10/03/2017
DOL	NYC		EDWARD MENKEN		C/O AQUA JET PAINTING 10 VIKING DRIVEWEST ISLIP NY 11795	04/16/2014	04/16/2019
DOL	NYC	****0900	EF PRO CONTRACTING INC		147 BROOME AVENUE ATLANTIC BEACH NY 11509	03/03/2014	03/03/2019
DOL	NYC		EFSTRATIOS BERNARDIS		23-73 48TH STREET LONG ISLAND CITY NY 11103	04/24/2014	04/24/2019
DOL	NYC	****6260	EL TREBOL SPECIAL CLEANING INC		95-26 76TH STREET OZONE PARK NY 11416	10/12/2011	10/12/2016
DOL	DOL		ELIZABETH RAMADANI		C/O RAMADA CONSTRUCTION 80 SAVO LOOPSTATEN ISLAND NY 10309	01/07/2014	01/07/2019
DOL	DOL		ELLEN DESANTIS	DESANTIS ENTERPRISES	161 OSWEGO RIVER ROAD PHOENIX NY 13135	09/24/2013	11/18/2018
DOL	DOL	****0780	EMES HEATING & PLUMBING CONTR		5 EMES LANE MONSEY NY 10952	01/20/2002	01/20/3002
DOL	AG		EMILIO FRANZA		90 JUNIUS STREET BROOKLYN NY 11212	01/23/2014	01/23/2019
DOL	DOL		EMPIRE CONCRETE SERVICES LLC		101 SULLYS TRAIL/SUITE 20 PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL	****0511	EMPIRE CONCRETE SYSTEMS LLC		101 SULLYS TRAIL/ SUITE 2 PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL	****2353	EMPIRE CONSTRUCTORS LLC		101 SULLYS TRAIL/SUITE 20 PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL		EMPIRE PRECAST LLC		101 SULLYS TRAIL/SUITE 20 PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL		ERIKA BARNETT		253 BEACH BREEZE LANE UNIT BARVERNE NY 11692	02/05/2013	02/05/2018
DOL	DOL		ESTEVEES & FRAGA CONSTRUCTION CO INC		986 MADISON AVENUE PATERSON NJ 07501	01/03/2013	01/03/2018
DOL	DOL		ESTEVEES & FRAGA INC		986 MADISON AVENUE PATERSON NJ 07501	01/03/2013	01/03/2018
DOL	DOL		EVELIO ELLEDIAS		114 PEARL STREET PORT CHESTER NY 10573	08/15/2012	08/15/2017
DOL	NYC		EVERTON CARLESS		134 EVERGREEN PL/STE 101 EAST ORANGE NJ 07018	12/30/2013	12/30/2018
DOL	DOL		F KALAFATIS		2279 HOLLERS AVENUE BRONX NY 10475	01/07/2014	06/23/2019
DOL	DOL		FANTASTIC PAINTING		493 LANSING ROAD FULTONVILLE NY 12072	11/18/2013	11/18/2018
DOL	DOL	****5867	FJM-FERRO INC		6820 14TH AVENUE BROOKLYN NY 11219	10/27/2011	10/27/2016
DOL	DOL	****1311	FLOZ-ON PAINTING & DECORATING INC		12 DUNDERBERG ROAD TOMKINS NY 10986	10/16/2013	10/16/2018
DOL	DOL	****8961	FLOZ-ON PAINTING INC		12 DUNDERBERG ROAD TOMKINS NY 10986	10/16/2013	10/16/2018
DOL	DOL		FMS		4 LEGHORN COURT NEW YORK NY 11746	11/28/2012	11/28/2017
DOL	DOL	****8067	FORTH SPORT FLOORS INC		P O BOX 74 EAST GREENBUSH NY 12061	02/28/2012	10/01/2017
DOL	DOL		FRAN MICELI		2279 HOLLERS AVENUE BRONX NY 10475	01/07/2014	06/23/2019

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DOL	DOL		FRANCES KALAFATIS		2279 HOLLERS AVENUE BRONX NY 10475	01/07/2014	06/23/2019
DOL	DOL		FRANCES KALAFATIS-MICELI		2279 HOLLERS AVENUE BRONX NY 10475	01/07/2014	06/23/2019
DOL	NYC		FRANK ACOCELLA		68 GAYLORD ROAD SCARSDALE NY 10583	02/10/2011	02/10/2016
DOL	DOL		FRANK J MERCANDO		134 MURRAY AVENUE YONKERS NY 10704	12/11/2009	02/03/2019
DOL	DOL		FRANK MICELI JR	C/O FRANK MICELI JR CONTRACTIN G INC	19 CLIFF STREET NEW ROCHELLE NY 10801	10/16/2013	10/16/2018
DOL	DOL	*****1321	FRANK MICELI JR CONTRACTING INC		19 CLIFF STREET NEW ROCHELLE NY 10801	10/16/2013	10/16/2018
DOL	DOL		FRED ABDO	ABDO TILE COMPANY AKA ABDO TILE CO	6179 EAST MOLLOY ROAD EAST SYRACUSE NY 13057	06/25/2010	07/02/2017
DOL	DOL	*****2724	FRESH START PAINTING CORP		157 TIBBETS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		G FUCCI CONSTRUCTION SERVICES		3 ALAN B SHEPARD PLACE YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL	*****6767	G FUCCI PAINTING INC		C/O SPIEGEL & UTRERA 1 MAIDEN LANE - 5TH FLNEW YORK NY 10038	03/12/2014	03/12/2019
DOL	DOL	*****4546	GAF PAINTING LLC		157 TIBBETS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		GARDEN STATE PAINTING		157 TIBBETS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		GARY MCDOWELL	GM CONSTRUCTI ON & LAWN CARE SERVICE	76 PLEASANT STREET WELLSVILLE NY 14895	06/11/2013	06/11/2018
DOL	DOL		GEORGE DI BERNARDO		C/O DI BERNARDO TILE 15 WALKER WAYALBANY NY 12205	03/21/2014	03/21/2019
DOL	NYC		GEORGE LUCEY		150 KINGS STREET BROOKLYN NY 11231	01/19/1998	01/19/2998
DOL	DOL		GERALD A POLLOCK		336 TOMPKINS STREET CORTLAND NY 13045	06/29/2010	07/15/2016
DOL	DOL		GERALD F POLUCH JR		2085 BRIGHTON HENRIETTA TOWN LINE ROADROCHESTER NY 14623	11/04/2010	11/04/2015
DOL	DOL	*****1075	GLOBAL TANK CONSTRUCTION LLC		P O BOX 1238 SALINA OK 74365	11/28/2012	11/28/2017
DOL	DOL	*****0878	GM CONSTRUCTION & LAWN CARE SERVICE		76 PLEASANT STREET WELLSVILLE NY 14895	06/11/2013	06/11/2018
DOL	DOL	*****0090	GOLDS FLOORING INSTALLATIONS INC		25 HAMILTON ROAD MONTICELLO NY 12701	10/16/2013	10/16/2018
DOL	DOL		GREGORY A FUCCI		C/O PAF PAINTING SERVICES 157 TIBBETS ROADYONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		GREGORY FUCCI JR		C/O APOLLO CONSTRUCTION 157 TIBBETS ROADYONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL		GRETCHEN SULLIVAN		P O BOX 130 CRETE IL 60417	11/10/2011	11/10/2016
DOL	DOL	*****7735	GRYF CONSTRUCTION INC		394 SPOTSWOOD-ENGLISH RD MONROE NJ 08831	08/08/2011	08/08/2016
DOL	DOL	*****9456	GUILLO CONTRACTING CORP		P O BOX 229 CALVERTON NY 11933	07/08/2013	07/08/2018
DOL	DOL		GUS PAPASTEFANOU		C/O D & G PAINTING & DECO 53 LITTLE COLLABAR ROADMONTGOMERY NY 12549	04/19/2012	04/19/2017
DOL	NYC	*****0346	H N H CONTRACTORS CORP		4558 BROADWAY # 6 NEW YORK NY 10040	08/04/2014	08/04/2019
DOL	DOL		H.H. RAUH CONSTRUCTION, LLC		2930 RT. 394 ASHVILLE NY 14710	01/14/2011	01/14/2016
DOL	DOL	*****2499	H.H. RAUH CONTRACTING CO., LLC		2930 RT. 394 ASHVILLE NY 14710	01/14/2011	01/14/2016
DOL	DOL		H.H. RAUH PAVING, INC.		7 WEST 1ST ST. LAKEWOOD NY 14750	01/14/2011	01/14/2016
DOL	DOL		HALSSAM FOSTOK		5 HANSEN PLACE WAYNE NJ 07470	09/18/2013	09/18/2018
DOL	NYC		HAMEEDUL HASAN		240 HOME STREET TEANECK NJ 07666	08/04/2014	08/04/2019

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DOL	AG	****9918	HARA ELECTRIC CORP		2461 47TH STREET ASTORIA NY 11103	09/26/2013	09/26/2018
DOL	DOL	****5405	HARD LINE CONTRACTING INC		89 EDISON AVENUE MOUNT VERNON NY 10550	10/28/2011	10/28/2016
DOL	AG		HARVINDER SINGH PAUL		90 JUNIUS STREET BROOKLYN NY 11212	01/23/2014	01/23/2019
DOL	DOL		HI-TECH CONTRACTING CORP		114 PEARL STREET PORT CHESTER NY 10573	08/15/2012	08/15/2017
DOL	DOL	****4331	HIDDEN VALLEY EXCAVATING INC		225 SEYMOUR STREET FREDONIA NY 14063	02/08/2011	02/08/2016
DOL	DOL	****6370	HILLIANO CONSTRUCTION & ELECTRICAL INC		354 MAGNOLIA STREET ROCHESTER NY 14611	01/22/2015	01/22/2020
DOL	DOL	****8426	IMPERIAL MASONRY RESTORATION INC		141 ARGONNE DRIVE KENMORE NY 14217	10/03/2012	10/03/2017
DOL	DOL		ISABEL FRAGA		C/O THREE FRIENDS CONSTR 986 MADISON AVENUEPATERSON NJ 07501	01/03/2013	01/03/2018
DOL	DOL	****7598	J M RICH LLC		P O BOX 268 STILLWATER NY 12170	09/16/2013	03/21/2019
DOL	DOL	****3478	J N P CONSTRUCTION CORP		50 LOUIS COURT P O BOX 1907SOUTH HACKENSACK NY 07606	03/21/2014	03/21/2019
DOL	DOL		J N RICH LLC		P O BOX 268 STILLWATER NY 12170	09/16/2013	03/21/2019
DOL	DOL	****9368	J TECH CONSTRUCTION		PO BOX 64782 ROCHESTER NY 14624	09/24/2012	09/24/2017
DOL	DOL		J THE HANDYMAN			09/24/2012	09/24/2017
DOL	DOL	****4910	J V MAGIC TOUCH CORPORATION		94-25 57TH AVENUE, APT 5G ELMHURST NY 11373	01/12/2015	01/12/2020
DOL	DOL		JACQUELINE HOWE		C/O FLOZ-ON PAINTING INC 12 DUNDERBERG ROADTOMKINS NY 10986	10/16/2013	10/16/2018
DOL	DOL	****8627	JAG I LLC		635 LUZERNE ROAD QUEENSBURY NY 12804	09/16/2013	09/16/2018
DOL	DOL	****2868	JAG INDUSTRIES INC		175 BROAD ST - SUITE 320 GLENS FALLS NY 12801	09/16/2013	09/16/2018
DOL	DOL		JAMES BOYCE		C/O EMPIRE CONCRETE SYST 101 SULLYS TRAIL/SUITE 20PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL		JAMES SICKAU		3090 SHIRLEY ROAD NORTH COLLINS NY 14111	04/19/2011	07/08/2020
DOL	DOL		JAMES WALSH		89 EDISON AVENUE MOUNT VERNON NY 10550	10/28/2011	10/28/2016
DOL	DOL		JASON M RICH		P O BOX 268 STILLWATER NY 12170	09/16/2013	03/21/2019
DOL	DOL		JAY PRESUTTI		C/O CONSOLIDATED INDUSTRI 2051 ROUTE 44/55MODENA NY 12548	01/28/2013	01/28/2018
DOL	DOL		JEFF P BRADLEY		520 PINE HILL ROAD CHESTER NY 10940	06/23/2014	06/23/2019
DOL	NYC		JEFFREY CASSIDY		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	DOL		JERALD HOWE		C/O FLOZ-ON PAINTING INC 12 DUNDERBERG ROADTOMKINS NY 10986	10/16/2013	10/16/2018
DOL	DOL		JEROME LACITIGNOLA		C/O CATSKILL FENCE INSTAL 5445 ROUTE 32 CATSKILL NY 12414	08/22/2014	08/22/2019
DOL	NYC		JERRY DEWATERS		30 COLUMBUS CIRCLE EASTCHESTER NY 10709	08/21/2012	08/21/2017
DOL	DOL		JOHN CATONE		C/O CATONE CONSTRUCTION 294 ALPINE ROADROCHESTER NY 14612	03/09/2012	03/09/2017
DOL	DOL		JOHN DESCUL		437 SUNRISE HIGHWAYA WEST BABYLON NY 11704	08/12/2013	08/12/2018
DOL	NYC		JOHN FICARELLI		120-30 28TH AVENUE FLUSHING NY 11354	01/14/2011	01/14/2016
DOL	DOL		JOHN H LEE	JOHN LEE QUALITY PAVING	67 WILER ROAD HILTON NY 14468	01/28/2013	01/28/2018
DOL	DOL	****1749	JOHN LEE QUALITY PAVING		67 WILER ROAD HILTON NY 14468	01/28/2013	01/28/2018
DOL	DOL		JON E DEYOUNG		261 MILL ROAD P O BOX 296EAST AURORA NY 14052	07/29/2015	07/29/2020

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DOL	DOL	****9368	JORGE I DELEON	J TECH CONSTRUCTI ON	PO BOX 64782 ROCHESTER NY 14624	09/24/2012	09/24/2017
DOL	DOL		JORGE OUVINA		344 SOUNDVIEW LANE COLLEGE POINT NY 11356	11/22/2011	11/22/2016
DOL	DOL		JORGE VILLALOBOS		94-25 57TH AVENUE - APT 5 ELMHURST NY 11373	01/12/2015	01/12/2020
DOL	DOL		JOSE MONTAS		27 BUTLER PLACE YONKERS NY 10710	03/18/2011	03/19/2020
DOL	DOL		JOSEPH CASUCCI		6820 14TH AVENUE BROOKLYN NY 11219	10/27/2011	10/27/2016
DOL	DOL		JOSEPH MARTONE		112 OSCAWANA HEIGHTS ROAD PUTNAM VALLEY NY 10542	08/27/2013	08/27/2018
DOL	DOL		JOSHUA DEBOWSKY		9547 BUSTLETON AVENUE PHILADELPHIA PA 19115	02/05/2014	02/05/2019
DOL	DOL		JOYA MUSCOLINO		10 ST CHARLES STREET THORNWOOD NY 10594	09/03/2013	09/03/2018
DOL	DOL		JUANA MARTINEZ		C/O LEAD CONSTRUCTION 27 BUTLER PLACE YONKERS NY 10710	03/19/2015	03/19/2020
DOL	DOL	****4340	JUBCO SITE DEVELOPMENT LLC		462 LAKEVIEW AVENUE VALHALLA NY 10595	12/16/2013	12/16/2018
DOL	DOL		JULIUS AND GITA BEHREND		5 EMES LANE MONSEY NY 10952	11/20/2002	11/20/3002
DOL	DOL		KAREN HARTMAN		C/O GUILLO CONTRACTING P O BOX 229 CALVERTON NY 11933	07/08/2013	07/08/2018
DOL	NYC		KATHLEEN SELA	C/O COLONIAL ROOFING COMPANY INC	247 48TH STREET BROOKLYN NY 11220	02/05/2014	02/05/2019
DOL	DOL		KEITH SCHEPIS		C/O KJS HAULING AND HOME 95 MAPLE AVENUE NEW CITY NY 10956	04/15/2013	04/15/2018
DOL	DOL		KEN DEEVER		731 WARWICK TURNPIKE HEWITT NJ 07421	06/25/2012	12/11/2017
DOL	DOL		KEVIN BABCOCK JR		P O BOX 46 THOMPSON RIDGE NY 10985	08/22/2014	08/22/2019
DOL	DOL		KEVIN M BABCOCK		P O BOX 46 THOMPSON RIDGE NY 10985	08/22/2014	08/22/2019
DOL	DOL	****5941	KINGSVIEW ENTERPRISES INC		7 W FIRST STREET P O BOX 2 LAKEWOOD NY 14750	01/14/2011	01/14/2016
DOL	DOL	****2463	KJS HAULING AND HOME IMPROVEMENT INC		95 MAPLE AVENUE NEW CITY NY 10956	04/15/2013	04/15/2018
DOL	AG		KOSTAS "GUS" ANDRIKOPOULOS		2461 47TH STREET ASTORIA NY 11103	09/26/2013	09/26/2018
DOL	DOL		KRZYSZTOF PRXYBYL		2 TINA LANE HOPEWELL JUNCTION NY 12533	01/06/2012	01/06/2017
DOL	DOL	****6033	KUSNIR CONSTRUCTION		2677 ANAWALK ROAD KATONAH NY 10536	08/03/2012	08/03/2017
DOL	DOL	****0526	LAGUARDIA CONSTRUCTION CORP		47-40 48TH STREET WOODSIDE NY 11377	07/01/2011	07/01/2016
DOL	NYC	****8816	LAKE CONSTRUCTION AND DEVELOPMENT CORPORATION		150 KINGS STREET BROOKLYN NY 11231	08/19/1998	08/19/2998
DOL	DOL	****6224	LAKESIDE FIRE SPRINKLERS LLC		125 CHAUTAUQUA AVENUE LAKEWOOD NY 14750	06/24/2015	06/24/2020
DOL	DOL		LARRY DOMINGUEZ		114 PEARL STREET PORT CHESTER NY 10573	08/15/2012	08/15/2017
DOL	DOL		LAURA A. GAUTHIER		C/O IMPERIAL MASONRY REST 141 ARGONNE DRIVE KENMORE NY 14217	10/03/2012	10/03/2017
DOL	DOL		LAURI MARTONE		112 OSCAWANA HEIGHTS ROAD PUTNAM VALLEY NY 10542	08/27/2013	08/27/2018
DOL	DOL		LAVERN GLAVE		C/O RAW POWER ELECTRIC 3 PARK CIRCLE MIDDLETOWN NY 10940	09/15/2014	09/15/2019
DOL	DOL		LAWRENCE J RUGGLES		P O BOX 371 ROUND LAKE NY 12151	05/12/2014	05/12/2019
DOL	DOL	****1364	LEAD CONSTRUCTION SERVICES INC		3 ALAN B SHEPARD PLACE YONKERS NY 10705	03/19/2015	03/19/2020
DOL	DOL	****0597	LEED INDUSTRIES CORP	HI-TECH CONTRACTIN G CORP	114 PEART STREET PORT CHESTER NY 10573	08/15/2012	08/15/2017

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DOL	AG		LEONID FRIDMAN		APT 5 200 BRIGHTON, 15TH STBROOKLYN NY 11235	01/23/2013	01/23/2019
DOL	DOL		LINDSEY R CRILL		143 FILLMORE AVENUE BUFFALO NY 14210	01/08/2015	01/08/2020
DOL	DOL	****8453	LINPHILL ELECTRICAL CONTRACTORS INC		523 SOUTH 10TH AVENUE MOUNT VERNON NY 10553	01/07/2011	04/15/2018
DOL	DOL		LINVAL BROWN		523 SOUTH 10TH AVENUE MOUNT VERNON NY 10553	01/07/2011	04/15/2018
DOL	NYC	****2850	M A 2 FLAGS CONTRACTING CORP		25-18 100TH STREET EAST ELMHURST NY 11369	08/21/2013	08/21/2018
DOL	NYC	****6317	M S QUALITY CONSTRUCTION LLC		27 MAPLEWOOD AVENUE COLONIA NJ 07067	02/04/2015	02/04/2020
DOL	NYC		MACIEJ SONTOWSKI		27 MAPLEWOOD AVENUE COLONIA NJ 07067	02/04/2015	02/04/2020
DOL	NYC	****3141	MACKEY REED ELECTRIC INC		1ST FLOOR STORE FRONT 88-10 LITTLE NECK PARKWAYFLORAL PARK NY 11001	06/24/2014	06/24/2019
DOL	DOL		MANUEL ESTEVES		55 OLD TURNPIKE ROAD SUITE 612NANUET NY 10954	02/04/2011	02/04/2016
DOL	NYC		MANUEL P TOBIO		150 KINGS STREET BROOKLYN NY 14444	08/19/1998	08/19/2998
DOL	NYC		MANUEL TOBIO		150 KINGS STREET BROOKLYN NY 11231	08/19/1998	08/19/2998
DOL	DOL		MAR CONTRACTING CORP		620 COMMERCE STREET THORNWOOD NY 10594	09/24/2012	09/24/2017
DOL	DOL		MARGARET FORTH		P O BOX 74 EAST GREENBUSH NY 12061	02/28/2012	10/01/2017
DOL	DOL		MARIA ESTEVES AKA MARIA MARTINS		C/O THREE FRIENDS CONSTR 986 MADISON AVENUEPATERSON NJ 07501	01/03/2013	01/03/2018
DOL	DOL		MARIA MARTINS AKA MARIA ESTEVES		C/O THREE FRIENDS CONSTR 986 MADISON AVENUEPATERSON NJ 07501	01/03/2013	01/03/2018
DOL	DOL		MARIO LUIS		31 DURANT AVENUE BETHEL CT 06801	07/02/2012	07/02/2017
DOL	DOL	****5533	MARQUISE CONSTRUCTION & DEVELOPMENT CORP		10 ST CHARLES STREET THORNWOOD NY 10594	09/03/2013	09/03/2018
DOL	DOL	****8810	MARQUISE CONSTRUCTION ASSOCIATES INC		20 BOSWELL ROAD PUTNAM VALLEY NY 10579	09/03/2013	09/03/2018
DOL	DOL	****1134	MARQUISE CONSTRUCTION CORP		10 ST CHARLES STREET THORNWOOD NY 10594	09/03/2013	09/03/2018
DOL	NYC	****4314	MASCON RESTORATION INC		129-06 18TH AVENUE COLLEGE POINT NY 11356	02/09/2012	02/09/2017
DOL	NYC	****4314	MASCON RESTORATION LLC		129-06 18TH AVENUE COLLEGE POINT NY 11356	02/09/2012	02/09/2017
DOL	DOL	****0845	MASONRY CONSTRUCTION INC		442 ARMONK ROAD MOUNT KISCO NY 10549	12/04/2009	05/04/2017
DOL	DOL	****3333	MASONRY INDUSTRIES INC		442 ARMONK ROAD MOUNT KISCO NY 10549	12/04/2009	05/04/2017
DOL	DOL	****9857	MBL CONTRACTING CORPORATION		2620 ST RAYMOND AVENUE BRONX NY 10461	08/30/2011	08/30/2016
DOL	DOL	****9028	MCINTOSH INTERIORS LLC		8531 AVENUE B BROOKLYN NY 11236	02/05/2013	02/05/2018
DOL	DOL	****5936	MCSI ADVANCED AV SOLUTIONS LLC		2085 BRIGHTON HENRIETTA TOWN LINE ROADROCHESTER NY 14623	11/04/2010	11/04/2015
DOL	DOL	****4259	MERCANDO CONTRACTING CO INC		134 MURRAY AVENUE YONKERS NY 10704	12/11/2009	02/03/2019
DOL	DOL	****0327	MERCANDO INDUSTRIES LLC		134 MURRAY AVENUE YONKERS NY 10704	12/11/2009	02/03/2019
DOL	NYC	****5330	METRO DUCT SYSTEMS INC		12-19 ASTORIA BOULEVARD LONG ISLAND CITY NY 11102	04/16/2014	06/24/2019
DOL	DOL	****3368	MICEK CONSTRUCTION CO INC		20 CROSS STREET FALCONER NY 14733	12/02/2014	12/02/2019
DOL	DOL	****9198	MICHAEL CZECHOWICZ	OCTAGON CO	37-11 35TH AVENUE-2ND FL LONG ISLAND CITY NY 11101	01/08/2013	01/08/2018
DOL	DOL		MICHAEL F LEARY JR		3813 SNOWDEN HILL ROADNEW HARTFORD NY 13413	06/19/2013	06/19/2018
DOL	DOL		MICHAEL F LEARY JR METAL STUD & DRYWALL		3813 SNOWDEN HILL ROAD NEW HARTFORD NY 13413	06/19/2013	06/19/2018
DOL	DOL		MICHAEL KTISTAKIS		363 88TH STREET BROOKLYN NY 11209	11/18/2013	11/18/2018

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DOL	DOL	****6033	MICHAEL KUSNIR	KUSNIR CONSTRUCTION	2677 ANAWALK ROAD KATONAH NY 10536	08/03/2012	08/03/2017
DOL	DOL		MICHAEL MARGOLIN		4 LEGHORN COURT NEW YORK NY 11746	11/28/2012	11/28/2017
DOL	DOL		MICHAEL WILSON	WILSON BROTHER DRYWALL CONTRACTORS	36 ABERSOLD STREET ROCHESTER NY 14621	08/31/2015	08/31/2020
DOL	DOL		MICHELLE L BARBER		635 LUZERNE ROAD QUEENSBURY NY 12804	09/16/2013	09/16/2018
DOL	DOL	****2635	MIDLAND CONSTRUCTION OF CEDAR LAKE INC		13216 CALUMET AVENUE CEDAR LAKE IL 46303	11/10/2011	11/10/2016
DOL	NYC		MIGUEL ACOSTA		25-18 100TH STREET EAST ELMHURST NY 11369	08/21/2013	08/21/2018
DOL	NYC		MILANCE HADZIC		22 CALIFORNIA AVE - STE 1 PATERSON NJ 07503	03/11/2015	03/11/2020
DOL	DOL	****5517	MILLENNIUM PAINTING INC		67 WARD ROAD SALT POINT NY 12578	01/21/2011	01/21/2016
DOL	AG		MOHAMMAD RIAZ		46 RUGBY ROAD WESTBURY NY 11590	11/20/2013	11/20/2018
DOL	NYC	****2690	MONDOL CONSTRUCTION INC		11-27 30TH DRIVE LONG ISLAND CITY NY 11102	05/25/2011	05/25/2016
DOL	DOL		MORTON LEVITIN		3506 BAYFIELD BOULEVARD OCEANSIDE NY 11572	08/30/2011	08/30/2016
DOL	DOL	****2737	MOUNTAIN'S AIR INC		2471 OCEAN AVENUE- STE 7A BROOKLYN NY 11229	09/24/2012	09/18/2020
DOL	NYC		MUHAMMAD ZULFIQAR		129-06 18TH AVENUE COLLEGE POINT NY 11356	02/09/2012	02/09/2017
DOL	DOL	****2357	MUNICIPAL MILLING & MIX-IN-PLACE		9091 ERIE ROAD ANGOLA NY 14006	02/03/2011	02/03/2016
DOL	DOL		MURRAY FORTH		P O BOX 74 EAST GREENBUSH NY 12061	02/28/2012	10/01/2017
DOL	DOL		MUZAFFAR HUSSAIN		C/O ABSOLUTE GENERAL CONT 1129 AVENUE UBROOKLYN NY 11229	01/28/2013	01/28/2018
DOL	NYC	****1284	NEW AMERICAN RESTORATION INC		22 CALIFORNIA AVE - STE 1 PATERSON NJ 07503	03/11/2015	03/11/2020
DOL	DA	****6988	NEW YORK INSULATION INC		58-48 59TH STREET MASPETH NY 11378	05/16/2012	05/08/2020
DOL	DOL		NICHOLAS DEGREGORY JR	NJ DEGREGORY & COMPANY	1698 ROUTE 9 GLENNS FALLS NY 12801	05/23/2013	05/23/2018
DOL	NYC		NICHOLAS PROVENZANO		147 BROOME AVENUE ATLANTIC BEACH NY 11509	03/03/2014	03/03/2019
DOL	NYC		NICHOLAS PROVENZANO		147 BROOME AVENUE ATLANTIC BEACH NY 11509	03/03/2014	03/03/2019
DOL	DOL		NIKOLAS PSAREAS		656 N WELLWOOD AVE/STE C LINDENHURST NY 11757	09/01/2011	09/01/2016
DOL	DOL	****5279	NJ DEGREGORY & COMPANY		1698 ROUTE 9 GLENNS FALLS NY 12801	05/23/2013	05/23/2018
DOL	DOL		NJ DEGREGORY & SONS CONSTRUCTION		1698 ROUTE 9 GLENNS FALLS NY 12801	05/23/2013	05/23/2018
DOL	NYC	****1968	NORTH AMERICAN IRON WORKS INC		1560 DECATUR STREET RIDGWOOD NY 11385	05/15/2015	05/15/2020
DOL	DOL	****9198	OCTAGON CO		37-11 35TH AVENUE-2ND FL LONG ISLAND CITY NY 11101	01/08/2013	01/08/2018
DOL	DOL		OKBY ELSAYED		1541 EAST 56TH STREET BROOKLYN NY 11234	05/04/2012	05/04/2017
DOL	NYC		OLIVER HOLGUIN		95-26 76TH STREET OZONE PARK NY 11416	10/12/2011	10/12/2016
DOL	NYC	****8337	OPTIMUM CONSTRUCTION INC		23-73 48TH STREET LONG ISLAND CITY NY 11103	04/24/2014	04/24/2019
DOL	NYC		ORSON ARROYO		C/O METRO DUCT SYSTEMS 12-19 ASTORIA BOULEVARDLONG ISLAND CITY NY 11102	04/16/2014	06/24/2019
DOL	DOL	****4546	PAF PAINTING CORP		161 TIBBETTS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL	****5242	PAF PAINTING SERVICES INC	GARDEN STATE PAINTING	157 TIBBETTS ROAD YONKERS NY 10103	03/12/2014	03/12/2019
DOL	DOL		PAF PAINTING SERVICES OF WESTCHESTER INC		C/O SPIEGEL & UTRERA 1 MAIDEN LANE - 5TH FLNEW YORK NY 10038	03/12/2014	03/12/2019

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DOL	DOL	****8802	PAT'S HEATING AND AIR CONDITIONING LTD		P O BOX 371 ROUND LAKE NY 12151	05/12/2014	05/12/2019
DOL	DOL		PATRICIA M RUGGLES		P O BOX 371 ROUND LAKE NY 12151	05/12/2014	05/12/2019
DOL	DOL		PAUL VERNA		C/O AMERICAN STEEL MECHA 693 PAINTER STREETMEDIA PA 19063	02/20/2013	02/20/2018
DOL	DOL	****9569	PERFORM CONCRETE INC		31 DURANT AVENUE BETHEL CT 06801	07/02/2012	07/02/2017
DOL	NYC		PETER LUSTIG		30 COLUMBUS CIRCLE EASTCHESTER NY 10709	08/21/2012	08/21/2017
DOL	NYC		PETER TRITARIS		5990 58TH AVENUE MASPETH NY 11378	11/18/2013	11/18/2018
DOL	DOL	****7914	PRECISION SITE DEVELOPMENT INC		89 EDISON AVENUE MOUNT VERNON NY 10550	10/28/2011	10/28/2016
DOL	DOL	****2989	PROFESSIONAL ESTIMATING & BUSINESS CORP		157 TIBBETS ROAD YONKERS NY 10705	03/12/2014	03/12/2019
DOL	DOL	****6895	PROLINE CONCRETE OF WNY INC		3090 SHIRLEY ROAD NORTH COLLINS NY 14111	04/19/2011	07/08/2020
DOL	DOL	****0015	RAMADA CONSTRUCTION CORP		80 SAVO LOOP STATEN ISLAND NY 10309	01/07/2014	01/07/2019
DOL	DOL		RANA A KAHN		1973 81ST ST - SUITE A-5 BROOKLYN NY 11214	01/08/2015	01/08/2020
DOL	NYC		RANTIK PARIKH		13 LORIANN ROAD WARREN NJ 07059	07/15/2015	07/15/2020
DOL	DOL	****2633	RAW POWER ELECTRIC CORP		3 PARK PLACE MIDDLETOWN NY 10940	09/16/2013	09/15/2019
DOL	NYC		RAYMOND PEARSON		P O BOX 957 PORT JEFFERSON STA NY 11776	03/12/2014	03/12/2019
DOL	DOL		REBECCA THORNE		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018
DOL	DOL		REGINALD WARREN		C/O RAW POWER ELECTRIC 3 PARK CIRCLEMIDDLETOWN NY 10940	09/15/2014	09/15/2019
DOL	NYC	****3461	RELIANCE GENERAL CONSTRUCTION INC		644 OCEAN PARKWAY BROOKLYN NY 11230	09/02/2015	09/02/2020
DOL	DOL		REVOLUTIONARY FLOORS LLC		P O BOX 268 STILLWATER NY 12170	09/16/2013	03/21/2019
DOL	DOL		RHINO CONCRETE LLC		101 SULLYS TRAIL/SUITE 20 PITTSFORD NY 14534	11/18/2013	01/07/2019
DOL	DOL		RICHARD WILSON		C/O DUFOUR GROUP INC 353 WEST 56TH STREET #7MNEW YORK NY 10019	06/10/2014	06/10/2019
DOL	DOL	****8618	RIEKS CONTRACTING LLC		4804 GAHWILER ROAD AUBURN NY 13021	05/01/2015	05/01/2020
DOL	DOL		ROBBYE BISSE SAR		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	01/11/2003	01/11/3003
DOL	DOL	****1855	ROBERT D BISHOP JR	ROBERT D BISHOP JR	P O BOX 112 MORRISONVILLE NY 12962	07/15/2014	07/15/2019
DOL	DOL		ROBERT D BISHOP JR		P O BOX 112 MORRISONVILLE NY 12962	07/15/2014	07/15/2019
DOL	NYC		ROBERT FICARELLI		120-30 28TH AVENUE FLUSHING NY 11354	01/14/2011	01/14/2016
DOL	NYC		ROBERT GUIDO		3256 BRUNER AVENUE BRONX NY 10469	07/29/2014	07/29/2019
DOL	DOL		ROBERT L EVANS		128A NORTH STAMFORD ROAD STAMFORD CT 06903	05/23/2013	05/23/2018
DOL	DOL		ROBERT TORDELLA		125 CHAUTAUQUA AVENUE LAKEWOOD NY 14750	06/24/2015	06/24/2020
DOL	DOL		ROCCO ESPOSITO		C/O ROCMAR CONTRACTING CO 620 COMMERCE STREETTHORNWOOD NY 10594	09/24/2012	09/24/2017
DOL	DOL		ROCMAR CONSTRUCTION CORP		620 COMMERCE STREET THORNWOOD NY 10594	09/24/2012	09/24/2017
DOL	DOL	****7083	ROCMAR CONTRACTING CORP		620 COMMERCE STREET THORNWOOD NY 10594	09/24/2012	09/24/2017
DOL	DOL		ROMEO WARREN		C/O RAW POWER ELECTR CORP 3 PARK PLACEMIDDLETOWN NY 10940	09/16/2013	09/15/2019
DOL	DOL		ROSEANNE CANTISANI		11 TATAMUCK ROAD POUND RIDGE NY 10576	05/04/2012	05/04/2017

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DOL	NYC		ROSS J HOLLAND		120-30 28TH AVENUE FLUSHING NY 11354	01/14/2011	01/14/2016
DOL	DOL		ROSS J MUSCOLINO		10 ST CHARLES STREET THORNWOOD NY 10594	09/03/2013	09/03/2018
DOL	DOL		S & M CONTRACTING LLC		30 MIDLAND AVENUE WALLINGTON NJ 07057	11/05/2010	11/05/2015
DOL	DOL		S & S ELECTRIC		235 BROADWAY SCHENECTADY NY 12306	06/19/2013	06/19/2018
DOL	NYC		SAEED HASAN		4558 BROADWAY #6 NEW YORK NY 10040	08/04/2014	08/04/2019
DOL	DOL	****4923	SCHENLEY CONSTRUCTION INC		731 WARWICK TURNPIKE HEWITT NJ 07421	06/25/2012	12/11/2017
DOL	DOL		SCOTT LEONARD	GLOBAL TANK CONSTRUCTI ON LLC	P O BOX 1238 SALINA OK 74365	11/28/2012	11/28/2017
DOL	DOL		SEAKCO CONSTRUCTION COMPANY LLC		128A NORTH STAMFORD ROAD STAMFORD CT 06903	05/23/2013	05/23/2018
DOL	DOL	****9030	SEAKCO NEW YORK LLC	SEAKCO CONSTRUCTI ON COMPANY	128A NORTH STAMFORD ROAD STAMFORD CT 06903	05/23/2013	05/23/2018
DOL	DOL		SEAN BURBAGE	C/O SEAN BURBAGE CORP	445 ROOSA GAP ROAD BLOOMINGBURG NY 12721	04/14/2014	04/14/2019
DOL	DOL	****6586	SEAN BURBAGE CORP		445 ROOSA GAP ROAD BLOOMINGBURG NY 12721	04/14/2014	04/14/2019
DOL	DOL	****3540	SEVEN STAR ELECTRICAL CONTRACTING CORP		23-24 STEINWAY STREET ASTORIA NY 11105	06/27/2011	06/27/2016
DOL	DOL		SEVEN STAR ELECTRICAL INC		C/O THEONI ATHANASIADIS 1023 COMMACK ROAD DIX HILLS NY 11746	06/27/2011	06/27/2016
DOL	NYC		SHAFIQUL ISLAM		11-27 30TH DRIVE LONG ISLAND CITY NY 11102	05/25/2011	05/25/2016
DOL	NYC		SHAHZAD ALAM		21107 28TH AVE BAYSIDE NY 11360	07/02/2012	07/02/2017
DOL	DOL	****6904	SIGNING STAR LIMITED LIABILITY COMPANY		5 HANSEN PLACE WAYNE NJ 07470	09/18/2013	09/18/2018
DOL	DOL	****0667	SNEEM CONSTRUCTION INC		43-22 42ND STREET SUNNYSIDE NY 11104	07/01/2011	07/01/2016
DOL	DOL		SPASOJE DOBRIC		61 WILLET STREET - SUITE PASSAIC NJ 07055	07/09/2010	02/23/2017
DOL	NYC	****4934	SPHINX CONTRACTING CORP		240 HOME STREET TEANECK NJ 07666	08/04/2014	08/04/2019
DOL	DOL		SPORTSCRAFTERS INC		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018
DOL	DOL	****3539	SPOTLESS CONTRACTING	IMPACT INDUSTRIAL SERVICES INC	44 THIELLS-MT IVY ROAD POMONA NY 10970	10/14/2011	10/14/2016
DOL	DOL	****3496	STAR INTERNATIONAL INC		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	08/11/2003	08/11/3003
DOL	DOL		STEFANIE MCKENNA		30 MIDLAND AVENUE WALLINGTON NJ 07057	11/05/2010	11/05/2015
DOL	DOL		STEPHEN BIANCHI		462 LAKEVIEW AVENUE VALHALLA NY 10595	12/16/2013	12/16/2018
DOL	DOL		STEPHEON SHELDON	FANTASTIC PAINTING	493 LANSING ROAD FULTONVILLE NY 12072	11/18/2013	11/18/2018
DOL	DOL		STEVEN CONKLIN		60 COLONIAL ROAD STILLWATER NY 12170	02/15/2011	02/15/2016
DOL	DOL		STEVEN SAGGESE		3005 WYNSUM AVENUE MERRICK NY 11566	08/18/2014	08/18/2019
DOL	DOL		STUART CHAITIN		634 ROUTE 303 BLAUVT NY 10913	07/26/2012	11/19/2018
DOL	DOL	****3210	SUPER SWEEP	FMS	4 LEGHORN COURT NEW YORK NY 11746	11/28/2012	11/28/2017
DOL	DOL		SUZANNE G GOLD	C/O GOLDS FLOORING INSTALLATION S INC	25 HAMILTON ROAD MONTICELLO NY 12701	10/16/2013	10/16/2018
DOL	DOL	****7441	T & T CONCRETE INC		2560 HAMBURG TURNPIKE P O BOX 367 LACKAWANNA NY 14218	07/08/2015	07/08/2020
DOL	DOL	****9676	T D CONTRACTORS CORP	T D CONTRACTOR S INC	113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018
DOL	DOL		T D CONTRACTORS INC		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018

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DOL	DOL		TAMMY LACITIGNOLA		C/O CATSKILL FENCE INSTAL 5445 ROUTE 32CATSKILL NY 12414	08/22/2014	08/22/2019
DOL	DOL		TECH-MECHANICAL FAB DC INC		5 PARKER AVENUE POUGHKEEPSIE NY 12601	03/25/2014	03/25/2019
DOL	DOL	****0887	THE BRINSON PAINTING CORPORATION		72 TAUNTON PLACE BUFFALO NY 14216	04/14/2015	04/14/2020
DOL	DOL	****4293	THE J OUVINA GROUP LLC		344 SOUNDVIEW LANE COLLEGE POINT NY 11356	11/22/2011	11/22/2016
DOL	DOL		THE THORNE GROUP INC		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018
DOL	DOL	****2070	THE UNIVERSAL GROUP OF NEW YORK INC		212 OXFORD WAY SCHENECTADY NY 12309	12/11/2012	09/16/2018
DOL	DOL	****9243	THE WELCOME MAT PROPERTY MANAGEMENT LLC		P O BOX 268 STILLWATER NY 12170	09/16/2013	03/21/2019
DOL	DOL		THEONI ATHANASIADIS		C/O SEVEN STAR ELECTRICAL 23-24 STEINWAY STREETASTORIA NY 11105	06/27/2011	06/27/2016
DOL	DOL		THOMAS DESANTIS	DESANTIS ENTERPRISES	161 OSWEGO RIVER ROAD PHOENIX NY 13135	09/24/2013	11/18/2018
DOL	NYC		THOMAS SCARINCI		130-43 92ND AVENUE RICHMOND HILLS NY 11418	11/27/2013	11/27/2018
DOL	DOL		THOMAS TERRANOVA		13 NEW ROAD/SUITE 1 NEWBURGH NY 12550	11/15/2010	11/15/2015
DOL	DOL	****2734	THREE FRIENDS CONSTRUCTION CORP		986 MADISON AVENUE PATERSON NJ 07501	01/03/2013	01/03/2018
DOL	NYC	****6253	THUNDER BROTHERS CORP		24 CONGRESS LANE SOUTH RIVER NJ 08882	05/01/2013	05/01/2018
DOL	DOL		TIMOTHY F BARBER		635 LUZERNE ROAD QUEENSBURY NY 12804	09/16/2013	09/16/2018
DOL	NYC		TIMOTHY O'SULLIVAN		C/O SNEEM CONSTRUCTION 4322 42ND STREETSUNNYSIDE NY 11104	07/01/2011	07/01/2016
DOL	NYC	****1523	TM MECHANICAL CORP		130-43 92ND AVENUE RICHMOND HILLS NY 11418	11/27/2013	11/27/2018
DOL	DOL	****0600	TOMSON ALLOYS RECYCLING INC		143 FILLMORE AVENUE BUFFALO NY 14210	01/08/2015	01/08/2020
DOL	DOL	****8176	TOURO CONTRACTING CORP		1541 EAST 56TH STREET BROOKLYN NY 11234	05/04/2012	05/04/2017
DOL	DOL	****2357	TRAC CONSTRUCTION INC	MUNICIPAL MILLING & MIX -IN- PLACE	9091 ERIE ROAD ANGOLA NY 14006	02/03/2011	02/03/2016
DOL	DOL	****6914	TRI-COUNTY RESTORATIONS & CONSTRUCTION INC		13 SUMMERSET DRIVE WALLKILL NY 12589	08/22/2014	08/22/2019
DOL	DOL		TRI-COUNTY RESTORATIONS INC		392 ROCK CUT ROAD WALDEN NY 12586	08/22/2014	08/22/2019
DOL	DOL	****5213	TRIAD PAINTING CO INC		656 N WELLWOOD AVE/STE C LINDENHURST NY 11757	09/01/2011	09/01/2016
DOL	DOL		TROY D CLARKE	ADVANCED METALS	387 RIVERSIDE DRIVE JOHNSON CITY NY 13790	10/01/2012	10/01/2017
DOL	DOL	****4294	TWT CONSTRUCTION COMPANY INC		13 NEW ROAD/SUITE 1 NEWBURGH NY 12550	11/15/2010	11/15/2015
DOL	AG	****6490	UNIVERSAL STEEL FABRICATORS INC		90 JUNIUS STREET BROOKLYN NY 11212	01/23/2014	01/23/2019
DOL	NYC	****7174	V&R CONTRACTING		P O BOX 957 PORT JEFFERSON STA NY 11776	03/12/2014	03/12/2019
DOL	NYC		VEAP SELA	C/O COLONIAL ROOFING COMPANY INC	247 48TH STREET BROOKLYN NY 11220	02/05/2014	02/05/2019
DOL	DOL	****3270	VEZANDIO CONTRACTING CORP		530 BEECH STREET NEW HYDE PARK NY 11040	07/02/2012	07/02/2017
DOL	NYC		VICK CONSTRUCTION		21 DAREWOOD LANE VALLEY STREAM NY 11581	12/31/2013	12/31/2018
DOL	NYC		VICKRAM MANGRU	VICK CONSTRUCTI ON	21 DAREWOOD LANE VALLEY STREAM NY 11581	12/31/2013	12/31/2018
DOL	NYC		VINCENT PIZZITOLA		P O BOX 957 PORT JEFFERSON STA NY 11776	03/12/2014	03/12/2019
DOL	DOL		WESLEY J STAROBA		206 TALLY HO COURT SCHENECTADY NY 12303	06/19/2013	06/19/2018
DOL	DOL	****0078	WESLEY J STAROBA INC	S & S ELECTRIC	235 BROADWAY SCHENECTADY NY 12306	06/19/2013	06/19/2018
DOL	DOL	****7617	WHITE PLAINS CARPENTRY CORP		P O BOX 309 WHITE PLAINS NY 10603	12/04/2009	05/04/2017

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DOL	DOL		WILLIAM CONKLIN		5 PARKER AVENUE POUGHKEEPSIE NY 12601	03/25/2014	03/25/2019
DOL	DOL		WILLIAM MAZZELLA		134 MURRAY AVENUE YONKERS NY 10704	02/03/2014	02/03/2019
DOL	DOL		WILLIAM SCRIVENS		30 MIDLAND AVENUE WALLINGTON NJ 07057	11/05/2010	11/05/2015
DOL	DOL		WILLIAM THORNE		113 N MAPLE AVENUE GREENSBURG PA 15601	02/21/2013	02/21/2018
DOL	DOL		WILLIE BRINSON		72 TAUNTON PLACE BUFFALO NY 14216	04/14/2015	04/14/2020
DOL	DOL	*****6195	WILSON BROTHER DRYWALL CONTRACTORS		36 ABERSOLD STREET ROCHESTER NY 14621	08/31/2015	08/31/2020
DOL	NYC	*****5498	XAVIER CONTRACTING LLC		68 GAYLORD ROAD SCARSDALE NY 10583	02/10/2011	02/10/2016
DOL	DOL		YURIY IVANIN		C/O MOUNTAIN'S AIR INC 2471 OCEAN AVENUE-STE 7ABROOKLYN NY 11229	09/24/2012	09/18/2020