



DISCOVER  
Plattsburgh

# SPECIFICATIONS

FOR

OHIO AVENUE

WATER MAIN REPLACEMENT

CONTRACT NO. 2020-03

CITY OF PLATTSBURGH

COLIN L. READ, MAYOR



Robert M. Sutherland, P.C.

June 4, 2020

Department of Public Works  
215 Idaho Avenue  
Plattsburgh, NY 12903  
(518) 563-1120  
FAX: (518) 562-1128

**BID DATE: Thursday, June 18, 2020, 2:00 P.M.**

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The Common Council of City of Plattsburgh will receive bids for the “**Ohio Avenue Replacement of Water Mains and Appurtenances**” for the City of Plattsburgh Water District at the City Clerk's office, City Hall, 41 City Hall Place, Plattsburgh, New York 12901, until **2:00 P.M.**, on **Thursday, June 18, 2020** at which time and place all bids will be publicly opened and read aloud for:

**PROJECT NO.: 2020-03**  
**Ohio Avenue Replacement of**  
**Water Mains and Appurtenances**

Plans and specifications may be examined on or after **Thursday, June 4, 2020** at the Office of the City Clerk between the hours of 8:30 am and 4:30 pm weekdays, except holidays or by visiting the City of Plattsburgh website: <http://www.cityofplattsburgh-ny.gov/> and click on “Bid Opportunities”. Plans and specifications are available from the aforementioned City of Plattsburgh website only. All contractors who intend to submit a bid package are required to register on the web site.

Each proposal must be accompanied by a bid bond in the amount of five percent (5%) of the total bid, or a certified check made payable to the CITY OF PLATTSBURGH as assurance that the bid is made in good faith.

The right is reserved to reject any or all bids, to waive any informality, and to accept the lowest responsible bid.

BY ORDER OF THE COMMON COUNCIL  
CITY OF PLATTSBURGH  
CLINTON COUNTY, NEW YORK

ACTING AS THE GOVERNING  
BODY OF CITY OF PLATTSBURGH WATER  
DISTRICT

CITY CLERK, CITY OF PLATTSBURGH

**DATED: June 4, 2020**

## **SECTION 00 21 13 – INFORMATION FOR BIDDERS**

### **BIDS FOR PROJECT**

The City of Plattsburgh, at the City Clerk's office, will receive SEALED PROPOSALS for:

### **CITY OF PLATTSBURGH WATER DISTRICT**

#### **OHIO AVENUE REPLACEMENT OF WATER MAINS & APPURTENANCES**

**PROJECT NO.: 2020-03**

### **TIME AND PLACE OF BID**

Bids are to be submitted in sealed opaque envelopes, and will be received by the City of Plattsburgh, at the City Clerk's office, City Hall, 41 City Hall Place, Plattsburgh, New York, not later than **2:00 P.M.** prevailing time, on **Thursday, June 18, 2020** at which time and place they will be publicly opened and read aloud. Use of the mails shall be at the Bidder's own risk, and the Bidder shall be responsible for physical delivery of the bid at the time and place set for opening of bids.

### **BID ENVELOPE**

All proposals and either the certified check or bid bond must be placed in a sealed opaque envelope bearing the Bidder's firm name and address and marked, "PROJECT NO.: 2020-03, OHIO AVENUE REPLACEMENT OF WATER MAINS & APPURTENANCES, CITY OF PLATTSBURGH, CLINTON COUNTY, NEW YORK", but otherwise unmarked. Bid package shall include Proposal sheets, Qualifications of Bidder sheets, Certificate of Non-Collusion, and Approval of Subcontractor sheets.

### **PLANS AND SPECIFICATIONS**

Plans and specifications may be examined on or after **Thursday, June 4, 2020** at the Office of the City Clerk between the hours of 8:30 am and 4:30 pm weekdays, except holidays or by visiting the City of Plattsburgh website: <http://www.cityofplattsburgh-ny.gov/> and click on "Bid Opportunities".

Plans and specifications are available from the aforementioned City of Plattsburgh website only.

All contractors who intend to submit a bid package are required to register on the web site.

### **VERBAL ANSWERS**

The Common Council, its agents, servants or employees, or the Engineer, will not be responsible in any manner for verbal answers to any inquiries regarding the meaning of the contract drawings or Specifications given prior to the awarding of the contract.

## **EXAMINATION OF SITE**

Bidders must satisfy themselves by personal examination of the location of the proposed work and of the actual conditions and requirements of the work and shall not, at any time after the submission of a proposal, dispute or complain of such estimate or assert that there was any misunderstanding in regard to the depth or character of excavation to be made or the nature of the work to be done.

## **PROPOSAL**

The Proposal contained herein shall be used in making out bids. Any proposal not in accordance with these instructions or containing bids not asked for may be rejected. While separate prices are required for various items under this contract, it is understood that the contract will be awarded as a whole.

As the estimates of quantities of items stated in the Proposal are approximate only, bidders are required to submit their proposal upon and in the following express conditions, which shall apply and become part of every proposal received.

Bids will be compared by total amounts, said total amount being the sum of the products of the quantities multiplied by the unit price bid for the various items, with due consideration being given to the lump sum prices bid for any contingent or optional items. Unbalanced bids will not be accepted.

Each bidder shall fill out in ink, in both words and figures, in the spaces provided, its unit or lump sum bid, as the case may be, for each item in said Proposal for which it is submitting a bid. If there is any discrepancy between the prices in words and figures, the prices in words shall govern as unit and lump sum prices.

A bid which does not include bids for all items in the Proposal may not be considered valid.

If the contract is not awarded by the Common Council within ninety (90) days after the receipt of bids, the obligation of the bidder under this Proposal may terminate at its option and it shall thereupon be entitled to a refund of its certified check or release of its bid bond furnished by it as security with its proposal.

## **BID BOND OR CERTIFIED CHECK**

Each proposal from a Contractor shall be accompanied by a bid bond or certified check on a solvent bank of the STATE OF NEW YORK, in the amount of five percent (5%) of the total bid. Such check shall be made payable to CITY OF PLATTBURGH, PLATTBURGH, NEW YORK, and the amount thereof shall be the measure of liquidated damages which the City may sustain by failure, neglect or refusal of the bidder to execute and deliver the contract, should the contract be awarded to it. The checks of all unsuccessful bidders will be returned upon the rejection of bids and the awarding of the contract; also, the check of the successful bidder will be returned upon the execution of the contract and the furnishing of the required bond.

## **NAME OF BIDDER**

Each bidder must state, in its proposal, its full name and business address, and the full name of every person, firm or corporation, interested in same, and the address of every person or firm, or president and secretary of every corporation, interested with it.

## **QUALIFICATIONS OF BIDDERS**

(1) The Common Council reserves the right to waive any informalities in, or reject any and all bids. The Board reserves the right to reject any and all bids which do not conform to the Proposal.

(2) All bidders must prove to the satisfaction of the Common Council that they are reputable, reliable and responsible, and that they possess the necessary qualifications (financial, labor, equipment and otherwise) to complete successfully the proposed work.

(3) In determining the qualifications of a bidder, the Common Council will consider its record in the performance of any contracts entered into by it for the work contemplated or of similar nature, may make such investigation as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Board all such information and data for this purpose as the Common Council may request.

(4) The Common Council shall be the sole judge of the qualifications of the bidders and of the merits thereof and reserves the right to reject any bid if the record of the bidder in the performance of contracts, payment of bills and meeting of obligations to subcontractors, material men or employees is not satisfactory to the Common Council, or if the evidence submitted by, or the investigation of, such bidders fails to satisfy the Common Council that it is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.

## **PERFORMANCE AND MAINTENANCE BOND**

The Contractor shall furnish a Performance Bond, Labor and Materials Bond, and a one (1) year Maintenance Bond each in an amount equal to one hundred (100%) percent of the total contract price as security for its faithful performance of this contract, for the payment of all persons performing labor or furnishing materials in connection with this contract. Such bonds shall also cover any penalties, interest charges and assessments levied by any governmental unit for failure to comply with laws and/or regulations governing public work. The Maintenance Bond shall be an assurance that all work and materials provided under this contract shall be maintained for a minimum period of one (1) year. The Maintenance Bond shall be furnished following final completion, and payment under the contract. The contractor shall be required to furnish all guarantees and warranties of manufacturers of products in connection with this contract, but no manufacturer's limitation of time shall act to limit the responsibility of the contractor or its surety hereunder.

The surety must be licensed in the State of New York and have a BEST A rating, or the surety shall present information satisfactory to the CITY/DISTRICT to permit the CITY/DISTRICT to accept the bond.

At the time of submission of bonds or at any time thereafter, the CITY/DISTRICT may evaluate the surety or sureties proposed, and demand a change of surety if it determines that the financial position of such surety does not provide for a proper protection of the interests of the CITY/DISTRICT. The CITY/DISTRICT shall be guided by its legal counsel, and insurance industry consultants in determining proper sureties for CITY/DISTRICT public works contracts. If the CITY/DISTRICT notifies the contractor in writing that a surety is unacceptable for any reason, then the contractor shall replace the surety and the bond in question within five (5) business days with a surety and bond deemed suitable by the said CITY/DISTRICT. The premiums charged for all such bonds shall be a cost of the contractor and not the CITY/DISTRICT. Upon notice to change surety being forwarded to a contractor, no further payments shall be made until a new bond in proper form naming an acceptable surety is provided.

### **SIGNATURE OF CONTRACTOR**

The bidder to whom a contract may be awarded shall attend at the office of the Common Council, with the sureties offered by it, within seven (7) days, Saturdays and Sundays excepted, after date of notification of the acceptance of its proposal, and there sign the contract in quadripartite for the work and furnish approved security for its performance.

In case of failure to do so, the bidder shall be considered as having abandoned the same, and the check accompanying its proposal shall be forfeited to the Common Council, or the penalty of the bid bond shall be invoked.

### **CONTRACTOR'S INSURANCE**

The Contractor shall not commence any work until it has obtained and had approved by the City all of the insurance specified and required by the Contract.

The Contractor shall not permit any subcontractor to commence any operation on the site until satisfactory proof of carriage of the above required insurance has been posted with, and approved by, the Common Council.

### **RESPONSIBILITY OF BIDDER**

Attention is hereby particularly directed to the provisions of the contract whereby the Contractor will be responsible for any loss or damage that may happen to the work or any part thereof during its progress; and also whereby the Contractor shall make good any defects or faults that may occur during the progress of the work or within twelve (12) months after date of the Engineer's approval of the final payment request.

### **LABOR RATES**

The Contractor shall pay not less than the minimum hourly wage rates on this contract as established in accordance with Section 220 of the Labor Law, as shown on the Wage Schedule and Prevailing Rate Schedule, either shown on the following pages or the current prevailing rates paid at the time of construction.



Each bidder shall submit with its bid a separate sealed list that names each subcontractor that the bidder will use to perform work on the contract, and the agreed-upon amount to be paid to each.

### **COMPLETION OF WORK**

Work is required to be completed to the satisfaction of the Engineer, and in substantial accordance with the Specifications hereunto annexed and the Plans therein referred to and the Change Orders amended to the Contract.

### **RESPONSIBILITY OF CONTRACTOR**

Attention is hereby particularly directed to the provisions of the contract whereby the Contractor will be responsible for any loss or damage that may happen to the work or any part thereof during its progress; and also whereby the Contractor shall make good any defects or faults that may occur during the progress of the work or within twelve (12) months after its completion and acceptance. Any progress payments made by the City during the completion of this contract by the Contractor shall not be a waiver of the foregoing provision.

COMMON COUNCIL  
CITY OF PLATTBURGH  
CLINTON COUNTY, NEW YORK

**END OF SECTION**

BID PROPOSAL FORM  
OHIO AVENUE REPLACEMENT OF  
WATER MAINS & APPURTENANCES  
CONTRACT No. 2020-03

SUBMIT TO: City Clerk's Office  
41 City Hall Place  
Plattsburgh, NY 12901

BID DATE: **2:00 P.M., Thursday, June 18, 2020**

The undersigned hereby certifies he/she has examined and fully comprehends the requirements and intent of these specifications and offers to furnish all labor, materials required, equipment and supplies and related to do the work as specified herein at the following price:

ITEM	DESCRIPTION	TOTAL PRICE (Dollars)
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BASE BID:		\$ _____
		_____ (Dollars)
	(words)	

Contingency:		\$ 5,000.00
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BASE BID TOTAL:		\$ _____
		_____ (Dollars)
	(words)	

=====

NAME OF FIRM: \_\_\_\_\_

AUTHOR.SIGNATURE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_ FAX #: \_\_\_\_\_

EMAIL: \_\_\_\_\_ DATE: \_\_\_\_\_

=====

**Required Attachments:** Non-Collusive Bid Certificate

**SECTION 00 45 19 - NON-COLLUSIVE BIDDING CERTIFICATE**

Pursuant to Section 103-D of the General Municipal Law, the Contractor makes the following statement under penalty of perjury, and by submission of this bid or proposal, the bidder certified that:

(a) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor; (b) this bid or proposal has not been knowingly disclosed and will not be knowingly disclosed prior to the opening of the bids or proposals for this project to any other bidder, competitor or potential competitor; (c) no attempt has been or will be made to induce any other person, partnership or corporation to submit or not to submit a bid or proposal; (d) the person signing this bid or proposal certifies that he/she has fully informed him or herself regarding the accuracy of the statements contained in this certification and, under penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf; (e) that attached hereto (if a corporate bidder) is a certified copy of resolution authorizing the execution of this certificate by the signatory of this bid or proposal on behalf of the corporate bidder.

Resolve that \_\_\_\_\_ be authorized NAME OF CORPORATION  
to sign and submit the bid or proposal of this corporation for the following project:

OHIO AVENUE REPLACEMENT OF WATER MAIN & APPURTENANCES

and to include in such bid or proposal the certificate as to non-collusion required by Section 103-D of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate, this corporate bidder shall be liable under the penalties of perjury. The foregoing is a true and correct copy of the resolution adopted by \_\_\_\_\_ at a meeting of its Board of Directors held on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(Seal of the Corporation)

Secretary: \_\_\_\_\_

RESPECTIVELY SUBMITTED:

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

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

Signed By: \_\_\_\_\_

Title: \_\_\_\_\_

**END OF SECTION**

## AGREEMENT

THIS AGREEMENT made the <DATE>, by and between the City of Plattsburgh, New York, a municipal corporation of the state of New York chartered by the Laws of 1902, Chapter 269, as amended, with principal office at City Hall, Plattsburgh, New York, hereinafter called the "Owner" and <CONTRACTOR>, doing business as (an individual partnership or corporation), with principal office at <ADDRESS>, State of New York, hereinafter called the "CONTRACTOR."

WITNESSETH:

That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of:

CONTRACT NO. 2020-03  
Ohio Avenue Replacement of  
Water Mains and Appurtenances

2. The CONTRACTOR will furnish all the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within 10 days after the NOTICE TO PROCEED and will complete all work by 10/2/2020.
4. The CONTRACTOR agrees to perform all the work described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$<VALUE> or as shown on the BID schedule.
5. The undersigned further agrees to accept the Itemized Bid as compensation for the completion of the project as detailed in the contract documents.
6. The term "CONTRACT DOCUMENT" means and includes the following:
  - a. Notice to Bidders.
  - b. Specification Manual
  - c. Lump Sum Bid Proposal Form
  - d. Performance, Labor and Material Payment Bonds.
  - e. Drawings
  - f. Notice of Award/Notice to Proceed.
  - g. All addenda issued.
  - h. Change Orders.
7. The Contractor agrees to pay liquidated damages as outlined in the General Conditions Sections 2.11 and 2.12 if the work is not substantially complete beyond the specified completion date.
8. The CONTRACTOR shall indemnify and hold harmless the Owner and its agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of the PROJECT provided that any such claim, damage, loss or expense is:

- a. attributable to bodily injury, sickness, disease or death or to injury to or destruction of tangible property (other than the PROJECT itself) including the loss of use resulting there from; and, is,
  - b. caused in whole or in part by a negligent act or omission of the CONTRACTOR, any subcontractor, or of anyone for whose actions any of them may be liable regardless of whether or not it is caused in part by a party indemnified hereunder.
9. In any and all claims against the Owner or any of its agents or employees by any employee of the CONTRACTOR, any one directly or indirectly employed by them, or anyone for whose actions any of them may be liable, the indemnification obligation under this contract shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR or subcontractor under Worker's Compensation Acts, Disability Benefits Acts, or other employee benefit acts.
10. The obligations of the CONTRACTOR under this contract shall not extend to the liability of the Mayor, and/or his designated official(s), arising out of:
- a. the preparation and approval of maps, drawings, opinions, reports, services, change orders, designs or specifications, or
  - b. the giving of or the failure to give instructions by the Mayor, and/or his designated official(s), provided such giving or failure to give is the primary cause of such injury or damage.
11. The obligation of the CONTRACTOR to indemnify shall be covered by an appropriate insurance policy.

IN WITNESS WHEREOF, the parties have executed this agreement in three counterparts, each of which shall be deemed an original, the year and day first above written.

CITY OF PLATTSBURGH

By: \_\_\_\_\_  
 Colin L. Read, Mayor

CONTRACTOR

By: \_\_\_\_\_

\_\_\_\_\_  
 PRINT NAME & TITLE

## **SECTION 00 73 05 – GENERAL CONDITIONS**

### **1. GENERAL CONDITIONS**

The "General Conditions" are hereby made a part of these specifications and are attached herein.

Where any article of the General Conditions is supplemented hereby, the provisions of such article shall remain in effect. All the supplemental provisions shall be considered as added thereto. Where any such article is amended, voided or superseded thereby, the provisions of such article not so specifically amended, voided or superseded shall remain in effect.

Work, materials, plant, labor and other requirements of the General Conditions shall be furnished by the contractor. No direct payment shall be made for these General Conditions, and payment shall be deemed to be included in the Contract price or various items of the entire Contract.

### **2. CONTRACT DOCUMENTS**

The Contract Documents include, but are not limited to, the General Conditions, General Specifications, Detailed Specifications, Plans, Proposal Form, Contract and other sections as either cited on the Index page(s) or actually included in the bound documents.

Each section of the Contract Documents is intended to be complementary to the other sections. It is intended that they include all items of labor and materials and everything required and necessary to complete the work, even though some items of work or materials may not be particularly mentioned in every section or may have been inadvertently omitted from the Drawings or Specifications or both.

### **3. APPROVAL OF SUBCONTRACTORS AND MATERIALS**

Prior to commencing any work under this Contract, the contractor shall submit to the Engineer for approval a list of all the subcontractors and material suppliers it proposes to use for this Contract. No subcontractor or material supplier will be permitted to deliver materials or perform any work on this Contract until it has been approved by the Engineer.

### **4. INTERPRETATION OF DRAWINGS, ETC.**

In the event of discrepancies between the Drawings and the Specifications, the following order shall be given preference when making interpretations:

- a. Addenda (later dates to take precedence over earlier dates).
- b. Drawings (schedules or notes to take precedence over other data shown on Drawings).
- c. Technical Specifications
- d. General Specifications
- e. General Conditions

On all Plans, Drawings, etc., the figure dimensions shall govern in the case of discrepancy between the scales and figures.

The contractor shall take no advantage of any error or omission in the Plans, or of any discrepancy between the Plans and Specifications, and the Engineer shall make such corrections and interpretations as may be deemed necessary for the fulfillment of the intent of the Specifications and of the Plans as construed by him, and his decision shall be final.

All work that may be called for in the Specifications and not shown on the Plans, or shown on the Plans and not called for in the Specifications, shall be furnished and executed by the contractor as if designated in both. Should any work or material be required which is not denoted in the Plans and Specifications, either directly or indirectly, but which is, nevertheless, necessary for the proper carrying out of the intent thereof, it is understood and agreed that the same is implied and required, and that the contractor shall perform such work and furnish such materials as if they were completely delineated and described.

## **5. ADDITIONAL WORK**

Additional work, if required to be performed under this Contract, will be in accordance with the applicable paragraphs of the Contract. The Engineer shall be the sole judge as to whether such work was intended as part of the Contract or is in addition thereto.

## **6. SAFETY PROVISIONS**

The contractor shall take every precaution and shall provide such equipment and facilities as are necessary or required for the safety of its employees. In case of an accident, first aid shall be administered to any who may be injured in the progress of the work. In addition, the contractor shall also be prepared for the removal to the hospital for treatment of any employee either seriously injured or ill.

## **7. SANITARY REGULATIONS**

In addition to compliance with the Occupational Safety and Health Act, the contractor shall erect and maintain necessary sanitary conveniences for the use of employees on the work. Such conveniences shall be properly secluded from observation, and their use shall be strictly enforced. Such sanitary conveniences shall be constructed in compliance with all laws, ordinances or regulations governing these facilities. The contents of same shall be removed with sufficient frequency to prevent nuisance, and disposed of to the satisfaction of the Engineer.

The contractor shall obey and enforce such other sanitary regulations and orders and shall take such precautions against infectious diseases as may be deemed necessary. In case any infectious diseases occur among its employees, it shall arrange for the immediate removal of the patient from the work and his isolation from all persons connected with the work.

## **8. RESPONSIBILITY OF ENGINEER AND CONTRACTOR DURING CONSTRUCTION**

By means of the on-site observations of the work in progress, the Engineer will endeavor to provide protection for the Owner against defects and deficiencies in the contractor's work, but the furnishing of such services shall not include construction review of the contractor's construction means, methods,

techniques, sequences or procedures, or of any safety precautions and programs in connection with the work.

The contractor is responsible for complete conformance to the Plans and Specifications, proper construction procedures, coordination with subcontractors, other contractors and utilities, and safe working conditions for its employees.

## **9. LABOR**

All contractors and subcontractors employed upon the work shall and will be required to conform to the Labor Laws of the State of New York and the various acts amendatory and supplementary thereto; and to all other laws, ordinances and legal requirements applicable thereto. All contractors and subcontractors shall submit original copies of certified payroll records for each period worked at the site. In addition all contractors and subcontractors shall provide a completed Affidavit of Labor Form 220 and City of Plattsburgh Wage Disclaimer Form for each payroll week prior to issuance of any partial or final payment.

All labor shall be performed in the best and most workmanlike manner by mechanics skilled in their respective trades. The standards of the work required throughout shall be of such grade as will bring results of the first class only.

## **10. CLAIMS OR PROTESTS**

If the contractor considers any work required of him to be outside the requirements of the Contract, or considers any record or ruling of the Engineers or Inspectors as unfair, he shall ask for written instructions or decisions immediately, and then file a written protest with the Owner against the same within five days thereafter, or be considered as having accepted the record or ruling.

## **11. NOTIFICATION, INTERFERENCE AND INJURY TO UTILITIES**

The contractor shall cooperate in every way with the utility companies. All excavation shall be done in compliance with Article 36 of the General Business Law and notices given as provided by GBL, Section 761.

All conduits, water mains and gas mains encountered in the construction shall be properly and safely taken care of by the contractor, who shall, upon encountering same, notify the public corporation to whom they belong, in order that they may be changed in such a manner as not to interfere with the final construction.

In case any damage shall result to any service pipe for water or gas, or any private or public sewer or conduit by reason of negligence on the part of the contractor, he shall, without delay and at his own expense, repair same to the satisfaction of the Engineer, and in case such repairs are not made promptly or satisfactorily, the Owner may have the repairs made by another contractor or otherwise, and deduct the cost of same from any monies due or to become due the contractor.



## **12. INFRINGEMENT OF PATENTS**

The contractor further agrees to hold himself responsible for any claims made against the Owner for any infringement of patents by the use of patented articles in any one phase of construction of the work and the completion of same, or any process connected with the work agreed to be performed under this Contract, or of any materials used upon said work and to save harmless and indemnify the Owner from all costs, expenses and damages which the Owner shall be obliged to pay by reason of any infringement or patents used in the construction and completion of the work.

## **13. DAMAGES**

All damage, direct or indirect, of whatever nature resulting from either the performance of, or resulting to the work under, this Contract during its progress from whatever cause, shall be borne and sustained by the contractor, and all work shall be solely at his risk until the date of the final payment request.

## **14. GUARANTEE/WARRANTY**

This contractor shall guarantee and warrant his work and that of his subcontractors against defects in workmanship and/or materials for a period of one (1) year from the date of final payment request by the Engineer, except as otherwise specified. Upon written notification from the Engineer, the contractor shall repair, replace or reconstruct such defects to the satisfaction of the Engineer at no cost to the Owner.

## **15. STANDARDIZATION**

The general items specified with the Technical Specifications indicate specific manufacturers and/or catalog numbers etc., for the purpose of standardization within the District in order to minimize the stockpiling of replacement parts.

**END OF SECTION**

## SECTION 00 80 00 - SUPPLEMENTARY CONDITIONS

### PART 1 – GENERAL

#### 1.01 DESCRIPTION

- A. The following supplements modify, delete from, and/or add to the General Conditions.
  - 1. All articles, or portions thereof, which are not specifically modified, deleted, or superseded hereby remain in full effect.
  - 2. The General Conditions also may be supplemented elsewhere in the Contract documents by provisions located in, but not necessarily limited to, Division 1 of the Specifications.

#### 1.02 PROPOPAL REQUIREMENTS AND CONDITIONS

- A. A Bidder must submit all bids on the proposal forms contained in the Contract Documents. The City shall furnish Bidders with proposal forms. All attachments are necessary to the proposal forms and must not be detached. Any plans, specifications, or other documents referenced in the proposal form are part of the proposal whether attached or not.

#### 1.03 TIME FOR COMPLETION

- A. It is hereby understood and mutually agreed, by and between the Contractor and the Owner, that the date of beginning and time for completion of the work specified herein are essential conditions of the contract. It is further mutually understood and agreed that the time for completion of the work described herein is a reasonable time for the same, taking into consideration the average climatic range, and usual industrial conditions prevailing in this locality.
- B. If delays are caused by acts of God, acts of government, unavoidable strikes, extra work, or other causes or contingencies clearly beyond the control or responsibility of the Contractor, the Contractor may be entitled to additional time to perform and complete the work provided that the Contractor shall, within ten (10) days from the beginning of such delay, notify the Owner in writing, with a copy to the Engineer, of the cause and particular of the delay.

If, under the terms of the AGREEMENT, the delay is properly excusable, the Owner will, in writing, appropriately extend the time for completion of the work. (This paragraph shall be interpreted to include delays in receipt of materials, provided the Contractor placed his order and submitted shop drawings for such material promptly after execution of the Contract, that he has shown due diligence in following the progress of the order, and that the time required for delivery is in accordance with conditions generally prevailing in the industry). The Contractor agrees that he shall not have or assert any claim for nor shall he be entitled to any additional compensation or damages on account of such delays.

- C. As a part consideration for the awarding of this Contract, the Contractor furthermore understands and agrees that he shall neglect, fail or refuse to complete the work by the Time for completion, the Owner has the right to immediately terminate the contract, to withhold payment of all contract amounts payable to the Contractor and all contract amounts previously retained by the Owner, and to proceed to complete the work through other third-party contracts and/or with its own forces. If the cost of completing the work exceeds unpaid and retained contract amounts, and if the Owner is otherwise damaged due to the Contractor's failure to complete the work by the time for Completion, the Owner shall pursue all remedies under the contract and the law to seek reimbursement of and otherwise recover all such damages from the Contractor. Such damages shall be in addition to the Liquidated Damages stipulated in the General Conditions, Section 2.11 Liquidated Damages shall be calculated on the basis of the number of calendar days following the completion date until the Owner completes the work following termination of the Contract."

#### 1.04 SPECIAL LABOR REQUIREMENTS

The City of Plattsburgh, in determining the responsibility of the apparent lowest bidder, may require, and the apparent lowest responsible bidder shall provide, such information as the City of Plattsburgh deems necessary in order to ascertain the pecuniary and financial, accountability, operational responsibility, reliability, skill, capacity, ability, judgment, integrity and moral worth of the apparent lowest responsible bidder. In the event that the apparent lowest bidder shall be rejected or fails to furnish the requested information and thereby is disqualified and/or otherwise determined to be not responsible, the net lowest bidder shall become the apparent lowest responsible bidder.

The City of Plattsburgh may require the apparent lowest responsible bidder, in addition to other information, to furnish the following items:

- A. Description of its experience with projects of comparative size, complexity, and cost within recent years, demonstration of Contractor's ability and capacity to perform a substantial portion of the project with its own forces;
- B. Documentation from previous projects regarding:
1. Timeliness of performance;
  2. Quality of work; extension requests;
  3. Work, including fines and penalties imposed and payment thereof;
  4. Liens filed;
  5. History of claims for extra work;
  6. Contract defaults, together with explanations of same.
- C. Identification and description of any projects within the previous five (5) years that the apparent lowest bidder was determined by a municipality not to be a responsible bidder, the reasons given by such municipality therefore, together with an explanation thereof.
- D. An adequate demonstration of financial responsibility, which may include in the City of Plattsburgh's discretion, a Certified Financial Statement prepared by a Certified Public

Accountant, to assure that the apparent lowest bidder possess adequate resource and availability of credit and ability to procure insurance and bonds required for the project.

- E. Disclosure of any suspension or revocations of any professional license of any director, officer owner, or managerial employee of the apparent lowest bidder, to the extent that any work to be performed is within the field of such licenses profession;
- F. Disclosure of any and all OSHA violations within the previous three (3) years, as well as all notices of OSHA citations filed against the apparent lowest bidder in the same three (3) year period, together with a description and explanation of remediation or other steps taken regarding such violations and notices of violation;
- G. Disclosure of any and all violations within the previous five (5) years pertaining to unlawful intimidation or discrimination against any employee by reason of race, creed, color, disability, sex or natural origin and/or violations of an employee's civil rights or equal employment opportunities;
- H. Certification and list of equipment owned and/or leased by the apparent lowest bidder that will be utilized on the project, together with maintenance records and such assurances regarding safety thereof as the City of Plattsburgh considers appropriate;
- I. Disclosure of any litigation (including copies of pleadings) in which the apparent lowest bidder has been named as a defendant or third party defendant in the action involving a claim for personal injury or wrongful death arising from performance of work related to any project in which it has been engaged within the previous five (5) years;
- J. Disclosure of violations of the Prevailing Wage and Supplement Payment requirements of the Labor Law, and any other Labor Law provisions, including, but not limited to, child labor violations, failure to pay wages, or unemployment insurance tax delinquencies within the past five (5) years;
- K. Disclosure of violations of the Workmen's Compensation Law, including, but not limited to the failure to provide proof of Workmen's Compensation or Disability coverage and/or any lapses thereof;
- L. Disclosure of any criminal convictions or criminal indictments, involving the apparent lowest bidder, it's officers, directors, owners and/or managerial employees, within the past five (5) years;
- M. Disclosure of any violations within the past five (5) years or pending charges concerning federal, state, or municipal environmental and/or health laws, codes, rules and/or regulations;
- N. Identify all work to be subcontracted when requested by the City of Plattsburgh, identifying the firm(s) to which the work will be subcontracted. All subcontractors are subject to the approval of the City of Plattsburgh. The approval of the subcontractors by the City of Plattsburgh, as provided in the general conditions, shall be subject to the same evaluation of

responsibility.

Prior to a final determination that the apparent lowest bidder is not responsible, the City of Plattsburgh shall notify the part of same, in writing, stating the reasons causing concern, and setting forth a time, date and place for the apparent lowest bidder to appear and be heard, prior to a determination be made regarding its responsibility.

In the event the amount of the lowest bid appears disproportionately low when compared with estimates undertaken, by or on behalf of the City of Plattsburgh and/or compared to other bids submitted, the City of Plattsburgh reserves the right to inquire further of the apparent lowest bidder to determine whether the bid contains mathematical errors, omissions and/or erroneous assumptions, and whether the apparent lowest bidder has the capability to perform and complete the contract for the bid amount.

Notwithstanding the above, the City of Plattsburgh reserves the right to reject any and all bids as elsewhere provide herein.

#### 1.05 NOTICE OF EMPLOYEES' RIGHTS: CONTRACTORS RESPONSIBILITIES

- A. The contractor and as applicable, all subcontractors, acknowledge and agree to establish and maintain a bulletin board at or near the established job site, management office, or at such site as the City of Plattsburgh directs, for the conspicuous posting of notices including the New York State Department of Labor Schedules of Prevailing Wages and Supplements applicable to the project. Worker's Compensation Law Notices and all other notices as the City of Plattsburgh may require the contractor to post at the site. Such postings shall be secure from deterioration and/or obliteration by the elements, defacement and acts of vandalism. Notices shall be maintained in a legible manner and shall be secure from deterioration and/or obliteration by the elements, defacement and acts of vandalism. Notices shall be maintained in a legible manner and shall be replaced if damaged, defaced, rendered illegible or removed for any reason. The posting of such notices shall be undertaken prior to commencement of work at the site, if practical and feasible, and shall be maintained until the project has been substantially completed. Said notice shall include the telephone number and address of the New York State Department of Labor, Bureau of Public Works.

Nothing herein shall be construed to relieve the contractor from posting requirements otherwise required by law.

- B. The Contractor and all subcontractors shall provide written notice to each employee that he or she is entitled to receive the prevailing wage and supplements for the occupation for which he or she has been hired. Such written notice shall be given to the employee at or before such individual commences work at the project site.
- C. The Contractor and all subcontractors shall obtain from each employee a written acknowledgment that the employee has received a copy of such notice and is receiving the prevailing wage rate. For the purposes of this section, an employee includes, in addition to those immediately under the hire and/or supervision of the contractor, employees of

subcontractors engaged in work at the project site. The written acknowledgments of the employees required herein shall accompany each month's partial payment request.

Each contractor and/or subcontractor, claiming that payments are being made into supplemental funds, shall set forth how payments that are claimed are actually being made on behalf of employees working on the job site for work performed on the job site, into the applicable health and/or pension fund.

- D. The Contractor and all subcontractors shall maintain at the job site (or such place designated by the City of Plattsburgh of original payrolls, employee attendance records and/or transcripts thereof as are required to be maintained pursuant to Section 220 of the New York Labor Law and shall maintain the written acknowledgments of the employees as required above with the payrolls and transcripts.
- E. The Contractor shall provide to the resident project engineer the Public Owner's Director of Labor Relations (or other individuals designated by the City of Plattsburgh) upon application for payment, an employment attendance sheet for all employees, including employees of subcontractors, for each day on which work is performed on the site, upon a form acceptable to the City of Plattsburgh, containing such information as the City of Plattsburgh deems appropriate, including job classification, hours of employment, wage rates and supplements payable and employer. Current attendance records shall be maintained at a location designated by the City of Plattsburgh.
- F. The Contractor and all subcontractors shall provide the City of Plattsburgh on a weekly basis, copies of certified payrolls and certification of payment of wage supplements. Contractor shall also provide the City of Plattsburgh with such subcontractor's certified payrolls, affidavits, vouchers and receipts as to delivery and payment for materials (as the City of Plattsburgh deems necessary to substantiate claims and requests for payment).
- G. Before the contractor may request a progress payments for any item of work performed by subcontractor, the subcontractor's verified statement required by New York Labor Law, Section 220-a. Before issuance of the final payments, the Contractor shall furnish the City of Plattsburgh with the original certifications and verified statements required by New York State Labor Law, Section 220a.
- H. The Contractor and all subcontractors shall pay all wages, and supplements required by law. In the event that case payments in lieu of fringe benefit supplements are made upon the option of the contractor; such payments shall be made by check, draft, or order payable to the employee. The Contractor shall maintain records of such payments and present such records for inspection upon request of the City of Plattsburgh.
- I. The Contractor and all subcontractors agree that there will be no interruption in the performance of the work under this agreement. Neither shall the contractor nor shall the contractor permit any of its subcontractors to employ any labor or means whose employment or utilization during the course of the contract may tend to, or in any way cause, or result in, the interruption of work due to strikes, work stoppages, delays, suspension of work or similar troubles by labor employed by the Contractor or its

- subcontractors, or by any of the trades working in or about the job sites where work is being performed under this contract, or any other contract, on the job sites. Upon finding and written determination by the Commissioner of Public Works that the contractor is in violation of this paragraph, the Contract may be terminated and canceled without any penalty to the City of Plattsburgh and the City of Plattsburgh shall be entitled to recover any damages from the Contractor that may have been caused by such violations.
- J. The Contractor shall ensure that all employees on the job site shall have received appropriate training and possess all required state and county licenses for specialty, craft, skill trade, or other professional or licensed trades.
  - K. All bonding must be with an insurance company licensed to do business in New York State.
  - L. The Contractor and all subcontractors under the contractor must properly classify employees as employees rather than as independent contractors and treat them accordingly for purposes of Workers Compensation, insurance coverage, unemployment taxes, social security and income tax withholding.
  - M. The Contractor hired must perform an amount of work, as specified by the public owner of the job site.
  - N. The submission of any false or misleading information with respect to the submission made by any Contractor or subcontractor in connection with these contractor requirements may, upon notice and hearing be subject to contractual and legal provisions, and may result in immediate disqualification.
  - O. The submission of any false or misleading information with respect to the submission may be any contractor or subcontractor in connection with these contractor responsibility requirements may, upon notice and hearing, subject to contractual and legal provisions result in immediate disqualification.
  - P. To the extent not previously provided for herein, and on an ongoing basis throughout the course of the project, a contractor/subcontractor shall be required to provide information including but not limited to the following:
    - 1. any debarments or suspensions by any jurisdiction or contracting agency (federal, state, or local);
    - 2. any findings that the contractor/subcontractor has been determined to be nonresponsive or otherwise ineligible to submit bids/proposals on any project;
    - 3. any findings of default in any project by a contractor/subcontractor;
    - 4. any termination or lawsuits, arbitration claims or legal claims filed against the contractor/subcontractor in connection with any project;
    - 5. any declaration of bankruptcy or receivership by a contractor/subcontractor;
    - 6. any findings subsequent to initial submission that this contractor/subcontractor has been found to be in violation of any statute, regulation or other law by any local, state or federal administrative agency or that any contractor/subcontractor has been accused of, investigated for or charged with any such alleged violations;
    - 7. advise with respect to the revocation of any license, permit or certification;

8. any bond denial;
9. Or any issue that might give rise to a conflict of interest that an individual is engaged in managerial or advisory capacity for the contractor/subcontractor and also has a relationship with solicitations for contract work.

For the purpose of this paragraph, the term “contractor/subcontractor” shall mean:

The contractor or subcontractor submitting the bid/proposal; any persons related to the contractor/subcontractor through common ownership, common management or common officers or directors; and firms which any of the owners, officers, directors of the submitting contractor/subcontractor previously participated in as an owner, officer or director.

#### 1.06 SANCTION

Any contractor or subcontractor under the contract who fails to maintain throughout the entire duration of the construction project, compliance with any of the conditions set forth above, may be subject to one or more of the following sanctions (upon notice and subject to any other contractual or legal requirements):

1. Cessation of work until compliance is obtained;
2. Removal from project altogether;
3. Withholding of payment until compliance is obtained;
4. Liquidated damages based on the value of the contract.

In addition to the sanctions outlined above, a general contractor shall be liable for any violations by its subcontractors.

The determination with respect to sanctions hereunder, together with the procedures and guidelines to be followed with respect to determining whether sanctions are appropriate under the circumstances, shall be determined by a duly authorized representative of the City of Plattsburgh.

**END OF SECTION**





Andrew M. Cuomo, Governor

Roberta Reardon, Commissioner

City of Plattsburgh DPW

Jocelyn P. Bombard, P.E., Professional Engineer  
Robert M. Sutherland, P.C.  
11 MacDonough St  
Plattsburgh NY 12901

Schedule Year 2019 through 2020  
Date Requested 03/02/2020  
PRC# 2020002731

Location City of Plattsburgh  
Project ID# 20-03  
Project Type Water line improvements

### 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 2019 through June 2020. 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.ny.gov](http://www.labor.ny.gov). 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 ["Request for a dispensation to work overtime" form \(PW30\)](#) and ["4 Day / 10 Hour Work Schedule" form \(PW 30.1\)](#).

## 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.ny.gov](http://www.labor.ny.gov).

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.ny.gov](http://www.labor.ny.gov).

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.ny.gov](http://www.labor.ny.gov).

## Payrolls and Payroll Records

Every contractor and subcontractor MUST keep original payrolls or transcripts subscribed and affirmed as true under penalty of perjury. As per Article 6 of the Labor law, contractors and subcontractors are required to establish, maintain, and preserve for not less than six (6) years, contemporaneous, true, and accurate payroll records. 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.

The filing of payrolls to the Department of Jurisdiction is a condition of payment. 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, by 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 NYSDOL 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

Roberta Reardon, Commissioner

City of Plattsburgh DPW  
Jocelyn P. Bombard, P.E., Professional Engineer  
Robert M. Sutherland, P.C.  
11 MacDonough St  
Plattsburgh NY 12901

Schedule Year 2019 through 2020  
Date Requested 03/02/2020  
PRC# 2020002731

Location City of Plattsburgh  
Project ID# 20-03  
Project Type Water line improvements

### 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





## **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' concern regarding 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. This change does not affect the Department's ability to request and receive the entire social security number from employers during its public work/ prevailing wage investigations.

## **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](http://www.labor.ny.gov). <https://labor.ny.gov/formsdocs/ui/IA999.pdf>

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.ny.gov](mailto:dol.misclassified@labor.ny.gov) .

## **Worker Notification: (Labor Law §220, paragraph a of subdivision 3-a)**

This provision is an addition to the existing 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 job classification. The required notification will be provided with each wage schedule, may be downloaded from our website [www.labor.ny.gov](http://www.labor.ny.gov) or be made available upon request by contacting the Bureau of Public Work at 518-457-5589. \*In the event the required information will not fit on the pay stub, an accompanying sheet or attachment of the information will suffice.

(05.19)

**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*

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#### **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.



Required Notice under Article 25-B of the Labor Law

**Attention All Employees, Contractors and Subcontractors:  
You are Covered by the Construction Industry Fair Play Act**

**The law says that you are an employee unless:**

- You are free from direction and control in performing your job, **and**
- You perform work that is not part of the usual work done by the business that hired you, **and**
- You have an independently established business.

Your employer cannot consider you to be an independent contractor unless all three of these facts apply to your work.

**It is against the law for an employer to misclassify employees as independent contractors or pay employees off the books.**

**Employee Rights:** If you are an employee, you are entitled to state and federal worker protections. These include:

- Unemployment Insurance benefits, if you are unemployed through no fault of your own, able to work, and otherwise qualified,
- Workers' compensation benefits for on-the-job injuries,
- Payment for wages earned, minimum wage, and overtime (under certain conditions),
- Prevailing wages on public work projects,
- The provisions of the National Labor Relations Act, and
- A safe work environment.

It is a violation of this law for employers to retaliate against anyone who asserts their rights under the law. Retaliation subjects an employer to civil penalties, a private lawsuit or both.

**Independent Contractors:** If you are an independent contractor, **you must pay all taxes and Unemployment Insurance contributions required by New York State and Federal Law.**

**Penalties** for paying workers off the books or improperly treating employees as independent contractors:

- **Civil Penalty**
  - First offense: Up to \$2,500 per employee
  - Subsequent offense(s): Up to \$5,000 per employee
- **Criminal Penalty**
  - First offense: Misdemeanor - up to 30 days in jail, up to a \$25,000 fine and debarment from performing public work for up to one year.
  - Subsequent offense(s): Misdemeanor - up to 60 days in jail or up to a \$50,000 fine and debarment from performing public work for up to 5 years.

**If you have questions about your employment status or believe that your employer may have violated your rights and you want to file a complaint, call the Department of Labor at (866) 435-1499 or send an email to [dol.misclassified@labor.ny.gov](mailto:dol.misclassified@labor.ny.gov). All complaints of fraud and violations are taken seriously. You can remain anonymous.**

**Employer Name:**

IA 999 (09/16)



# 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](http://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) 932-2419	White Plains	(914) 997-9507
Newburgh	(845) 568-5156		

\* 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](http://www.comptroller.nyc.gov) – click on Bureau of Labor Law.

Contractor Name: \_\_\_\_\_

Project Location: \_\_\_\_\_





## Requirements for OSHA 10 Compliance

Article 8 §220-h requires that when the advertised specifications, for every contract for public work, is \$250,000.00 or more the contract 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 or 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 518-457-5589.

## WICKS

Public work projects are subject to the Wicks Law requiring separate specifications and bidding for the plumbing, heating and electrical work, when the total project's threshold is \$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 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 the 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.

Contractors must pay subcontractors within a 7 days period.

(07.19)

## 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.

#### Payrolls and Payroll Records

Contractors and subcontractors are required to establish, maintain, and preserve for not less than six (6) years, contemporaneous, true, and accurate payroll records.

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.

#### 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. Although in most cases the payment or provision of supplements is straight time for all hours worked, some classifications require the payment or provision of supplements, or a portion of the supplements, to be paid or provided at a premium rate for premium hours worked. Supplements may also be required to be paid or provided on paid holidays, regardless of whether the day is worked. The Overtime Codes and Notes listed on the particular wage classification will indicate these conditions as required.

#### 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.ny.gov](http://www.labor.ny.gov)) 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

**Clinton County General Construction**

**Boilermaker** **03/01/2020**

**JOB DESCRIPTION** Boilermaker

**DISTRICT** 6

**ENTIRE COUNTIES**

Cayuga, Clinton, Cortland, Franklin, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Seneca, St. Lawrence, Tompkins

**WAGES**

Per hour:	07/01/2019	01/01/2020
Boilermaker	\$ 33.93	\$ 35.23

**SUPPLEMENTAL BENEFITS**

Per hour:		
Journeyman	\$ 26.36**	\$ 26.65**

\*\* IMPORTANT NOTE: Portion of supplemental benefits per hour paid at same premium as shown for overtime.

Journeyman	\$ 25.13	\$ 25.42
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**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

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

NOTE: When a holiday falls on Sunday, the day observed by the State or Nation shall be observed. When Christmas Day and New Year's fall on Saturday, Friday will be observed as the holiday.

**REGISTERED APPRENTICES**

WAGES per hour:

Six month terms at the following percentage of Journeyman's wage.

	1st 65%	2nd 65%	3rd 70%	4th 75%	5th 80%	6th 85%	7th 90%	8th 95%
07/01/2019	\$ 22.05	\$ 22.05	\$ 23.75	\$ 25.45	\$ 27.14	\$ 28.84	\$ 30.54	\$ 32.23
01/01/2020	\$ 22.90	\$ 22.90	\$ 24.66	\$ 26.42	\$ 28.18	\$ 29.95	\$ 31.70	\$ 33.47

SUPPLEMENTAL BENEFITS per hour:

07/01/2019	\$ 20.04	\$ 20.04	\$ 20.95	\$ 21.84	\$ 22.73	\$ 23.65	\$ 24.57	\$ 25.46
01/01/2020	\$ 20.23	\$ 20.23	\$ 21.15	\$ 22.05	\$ 22.96	\$ 23.89	\$ 24.83	\$ 25.73

\*IMPORTANT NOTE: Portion of supplemental benefits per hour paid at same premium as shown for overtime.

07/01/2019	\$ 18.81*	\$ 18.81*	\$ 19.72*	\$ 20.61*	\$ 21.50*	\$ 22.42*	\$ 23.34*	\$ 24.23*
01/01/2020	\$ 19.00*	\$ 19.00*	\$ 19.92*	\$ 20.82*	\$ 21.73*	\$ 22.66*	\$ 23.60*	\$ 24.50* 6-175

**Carpenter - Building** **03/01/2020**

**JOB DESCRIPTION** Carpenter - Building

**DISTRICT** 2

**ENTIRE COUNTIES**

Clinton, Essex, Franklin

**WAGES**

Per hour:	07/01/2019	07/01/2020
		Additional
Carpenter	\$ 27.17	\$ 1.00
Floor Coverer	27.17	1.00
Carpet Layer	27.17	1.00
Dry-Wall	27.17	1.00
Lather	27.17	1.00
Diver-Wet Day	61.25	0.00
Diver-Dry Day	28.17	1.00

Diver Tender 28.17 1.00

**NOTE ADDITIONAL AMOUNTS PAID FOR THE FOLLOWING WORK LISTED BELOW (not subject to overtime premiums):**

- Pile Drivers shall receive \$0.25 per hour over the journeyman's rate of pay when performing piledriving work.
- Certified welders shall receive \$1.00 per hour over the journeyman's rate of pay when the employee is required to be certified and performs DOT or ABS specified welding work
- When an employee performs work within a contaminated area on a State and/or Federally designated hazardous waste site, and where relevant State and/or Federal regulations require employees to be furnished and use or wear required forms of personal protection, then the employee shall receive his regular hourly rate plus \$1.50 per hour.
- Depth pay for Divers based upon deepest depth on the day of the dive:
  - 0' to 80' no additional fee
  - 81' to 100' additional \$.50 per foot
  - 101' to 150' additional \$0.75 per foot
  - 151' and deeper additional \$1.25 per foot
- Penetration pay for Divers based upon deepest penetration on the day of the dive:
  - 0' to 50' no additional fee
  - 51' to 100' additional \$.75 per foot
  - 101' and deeper additional \$1.00 per foot
- Diver rates applies to all hours worked on dive day.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman \$ 20.89

**OVERTIME PAY**

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

\* Note - Saturday is payable at straight time if the employee misses work, except where a doctor's or hospital verification of illness is produced Monday through Friday when work was available to the employee.

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday which occurs on Sunday shall be observed the following Monday. If Christmas falls on a Saturday, it shall be observed on the prior Friday.

**REGISTERED APPRENTICES**

Wages per hour

**FOR APPRENTICES INDENTURED PRIOR TO JANUARY 1, 2016**

One year terms at the following percentage of Journeyman's base wage.

1st	2nd	3rd	4th
50%	60%	70%	80%

Supplemental Benefits per hour:

1st year term	\$ 11.46
2nd year term	11.46
3rd year term	14.06
4th year term	14.06

**FOR APPRENTICES INDENTURED AFTER JANUARY 1, 2016**

1,300 hour terms at the following percentage of Journeyman's base wage.

1st	2nd	3rd	4th	5th
50%	60%	65%	70%	80%

Supplemental Benefits per hour:

1st term	\$ 11.46
2nd term	11.46
3rd term	14.06
4th term	14.06
5th term	14.06

ADDITIONAL AMOUNTS PAID TO APPRENTICES FOR SPECIFIC TYPES OF WORK PERFORMED (not subject to overtime premiums):

- Pile Driving apprentices shall receive \$0.25 per hour when performing piledriving work.
- Certified welders shall receive \$1.00 per hour over the apprentices rate of pay when the apprentice is required to be certified and performs DOT or ABS specified welding work
- When an apprentice performs work within a contaminated area on a State and/or Federally designated hazardous waste site, and where relevant State and/or Federal regulations require the apprentice to be furnished and use or wear required forms of personal protection, then the apprentice shall receive his regular hourly rate plus \$1.50 per hour.

2-291B-Cli

**Carpenter - Building / Heavy&Highway** **03/01/2020**

**JOB DESCRIPTION** Carpenter - Building / Heavy&Highway

**DISTRICT 2**

**ENTIRE COUNTIES**

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

**PARTIAL COUNTIES**

Orange: The area lying on Northern 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**

Wages per hour:	07/01/2019	07/01/2020	07/01/2021
		Additional	Additional
Carpenter - ONLY for Artificial Turf/Synthetic Sport Surface	\$ 30.88	\$ 1.15	\$ 1.15

Note - Does not include the operation of equipment. Please see Operating Engineers rates.

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman \$ 23.10

**OVERTIME PAY**

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

**HOLIDAY**

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

Notes:

When a holiday falls upon a Saturday, it shall be observed on the preceding Friday. When a holiday falls upon a Sunday, it shall be observed on the following Monday.

An employee taking an unexcused day off the regularly scheduled day before or after a paid Holiday shall not receive Holiday pay.

**REGISTERED APPRENTICES**

Wages per hour:

One year terms at the following percentage of Journeyman's wage:

1st	2nd	3rd	4th
55%	60%	70%	80%

Supplemental Benefits per hour:

1st year term	\$ 11.55
2nd year term	11.55
3rd year term	14.15
4th year term	14.15

2-42AtSS

**Carpenter - Heavy&Highway** **03/01/2020**

**JOB DESCRIPTION** Carpenter - Heavy&Highway

**DISTRICT 2**

**ENTIRE COUNTIES**

Albany, Clinton, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**WAGES**

Per hour	07/01/2019	07/01/2020	07/01/2021
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		Additional	Additional
Carpenter	\$ 33.02	\$ 1.40	\$ 1.40
Piledriver	33.02	1.40	1.40
Diver-Wet Day	58.02	1.40	1.40
Diver-Dry Day	34.02	1.40	1.40
Diver-Tender	34.02	1.40	1.40

**NOTE ADDITIONAL AMOUNTS PAID FOR THE FOLLOWING WORK LISTED BELOW (not subject to overtime premiums):**

- When project owner mandates a single irregular work shift, the employee will receive an additional \$2.00 per hour. A single irregular work shift can start any time from 5:00 p.m. to 1:00 a.m.
- State or Federal designated hazardous site, requiring protective gear shall be an additional \$2.00 per hour.
- Certified welders when required to perform welding work will receive an additional \$1.50 per hour.

**ADDITIONAL NOTES PERTAINING TO DIVERS/TENDERS:**

- Divers and Tenders shall receive one and one half (1 1/2) times their regular diver and tender rate of pay for Effluent and Slurry diving.
- Divers and tenders being paid at the specified rate for Effluent and Slurry diving shall have all overtime rates based on the specified rate plus the appropriate overtime rates (one and one half or two times the specified rate for Slurry and Effluent divers and tenders).
- The pilot of an ADS or submersible will receive one and one-half (1 1/2) times the Diver-Wet Day Rate for time submerged.
- All crew members aboard a submersible shall receive the Diver-Wet Day rate.
- Depth pay for Divers based upon deepest depth on the day of the dive (per diem payment):
  - 0' to 50' no additional fee
  - 51'to 100' additional \$.50 per foot
  - 101'to 150' additional \$0.75 per foot
  - 151'and deeper additional \$1.25 per foot
- Penetration pay for Divers based upon deepest penetration on the day of the dive (per diem payment):
  - 0' to 50' no additional fee
  - 51' to 100' additional \$.75 per foot
  - 101' and deeper additional \$1.00 per foot
- Diver rates applies to all hours worked on dive day.

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Friday, provided the project duration is more than forty (40) hours.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman \$ 22.50

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

In the event a Holiday falls on a Saturday, the Friday before will be observed as a Holiday. If a Holiday falls on a Sunday, then Monday will be observed as a Holiday. Employee must work scheduled work day before and after the Holiday.

**REGISTERED APPRENTICES**

Wages per hour

**FOR APPRENTICES INDENTURED PRIOR TO JANUARY 1, 2016**

One year terms at the following percentage of Journeyman's base wage

1st	2nd	3rd	4th
55%	60%	70%	80%

Supplemental Benefits per hour:

1st year term	\$ 11.42
2nd year term	11.42
3rd year term	14.02
4th year term	14.02

**FOR APPRENTICES INDENTURED AFTER JANUARY 1, 2016**

1,300 hour terms at the following percentage of Journeyman's base wage

1st	2nd	3rd	4th	5th
55%	60%	65%	70%	80%

Supplemental Benefits per hour:

1st term	\$ 11.42
2nd term	11.42
3rd term	14.02
4th term	14.02
5th term	14.02

NOTE ADDITIONAL AMOUNTS PAID TO APPRENTICES FOR THE FOLLOWING WORK LISTED BELOW (not subject to overtime premiums):

- When project owner mandates a single irregular work shift, the employee will receive an additional \$2.00 per hour. A single irregular work shift can start any time from 5:00 p.m. to 1:00 a.m.
- State or Federal designated hazardous site, requiring protective gear shall be an additional \$2.00 per hour.
- Certified welders when required to perform welding work will receive an additional \$1.50 per hour.

2-291HH-Alb

**Electrician**

**03/01/2020**

**JOB DESCRIPTION** Electrician

**DISTRICT 6**

**ENTIRE COUNTIES**

Clinton, Essex, Franklin, Jefferson, Lewis, St. Lawrence

**WAGES**

Per hour:	07/01/2019	04/01/2020	04/01/2021	04/01/2022
Electrician	\$ 35.00	Additional \$ 1.55	Additional \$ 1.60	Additional \$ 1.65
Teledata	35.00			
Welder	37.00			

NOTE: Additional premiums for the following work listed:

- Additional \$1.50 per hour for work performed underground such as tunnels and mine shafts. Excludes manholes and walkway tunnels between buildings.
- Additional \$1.50 per hour for working 35 feet or more on scaffolds, ladders, towers, steeples, structural steel, or mechanical lifts over 65 feet.

Shift Work: The following rates will apply on all Contracting Agency mandated shifts worked between the hours listed below. The employer may be permitted to adjust the starting hours of the shift by up to two (2) hours if required by the agency. If a shift begins outside of the stated shift hours, the rate paid would be determined by what shift the majority of the hours were worked.

1st shift:	8:00 AM to 4:30 PM regular wage rate
2nd shift:	4:30 PM to 1:00 AM regular wage rate plus 17.3%
3rd shift:	12:30 AM to 9:00 AM regular wage rate plus 31.4%

**\*\* IMPORTANT NOTICE - EFFECTIVE 07/01/2012 \*\***

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour:	\$ 20.68
	*plus 5.75% of gross wage

\* NOTE: THE 5.75% IS BASED ON THE HOURLY WAGE PAID, STRAIGHT TIME RATE OR PREMIUM TIME RATE.

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

NOTE: WAGE CAP...Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

**HOLIDAY**

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (5, 6) on HOLIDAY PAGE

**REGISTERED APPRENTICES**

WAGES: Hourly terms at the following percentage of Journeyman's wage.

	1-1000	to 2000	to 3500	to 5000	to 6500	to 8000
	45%	50%	55%	60%	70%	80%
Electrician	\$15.75	\$17.50	\$19.25	\$21.00	\$24.50	\$28.00
Tunnel	\$17.25	\$19.00	\$20.75	\$22.50	\$26.00	\$29.50



SUPPLEMENTAL BENEFITS per hour:

07/01/2019

Appr 1st & 2nd term \$ 10.02  
 \* plus 5.75% of gross wage

Appr All other terms \$ 20.68  
 \* plus 5.75% of gross wage

\* NOTE: THE 5.75% IS BASED ON THE HOURLY WAGE PAID, STRAIGHT TIME RATE OR PREMIUM TIME RATE.

6-910

**Elevator Constructor**

**03/01/2020**

**JOB DESCRIPTION** Elevator Constructor

**DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Clinton, Essex, Fulton, Hamilton, Herkimer, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**PARTIAL COUNTIES**

Madison: Madison Only the towns of: Brookfield, Hamilton, Lincoln, Madison, Smithfield, Stockbridge and the City of Oneida  
 Oneida: Entire county except the towns of: Camden, Florence, and Vienna.

**WAGES**

Per hour

	07/01/2019	01/01/2020
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Mechanic	\$ 46.00	\$ 47.51
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Helper	70% of Mechanic Wage Rate	70% of Mechanic Wage Rate
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Four (4), ten (10) hour days may be worked for New Construction and Modernization Work at straight time during a week, Monday thru Thursday or Tuesday thru Friday.

\*\*\*Four (4), ten (10) hour days are not permitted for Contract Work/Repair Work

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour

	07/01/2019	01/01/2020
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Journeyman/Helper	\$ 33.705*	\$ 34.765*
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(\*)Plus 6% of hourly rate, if less than 5 years of service. Plus 8% of hourly rate, if more than 5 years of 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%

(\*)Plus 6% of the hourly rate, no additional supplemental benefits.

Supplemental Benefits - per hour worked:

Same as Journeyman/Helper

**Glazier** **03/01/2020**

**JOB DESCRIPTION** Glazier

**DISTRICT** 1

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**WAGES**

Per hour

	07/01/2019	5/01/2020 Additional	5/01/2021 Additional
Glazier Base Wage	\$ 29.15	\$ 1.75	\$ 1.75
	+ additional \$2.20 per hour for all hours worked		
High Work Base Wage*	31.55		
	+ additional \$3.55 per hour for all hours worked		

(\*)When working on Swing Stage or Lift 100 feet or more in height, measured from the ground level up.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman	\$ 20.06
Journeyman High Work	25.36

**OVERTIME PAY**

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

Premium is applied to the respective base wage only.

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6) on HOLIDAY PAGE

Note: If any of the holidays are designated by federal law to be celebrated on a day other than that on which they regularly fall, then the holiday shall be celebrated on the day set by said federal law as if the day on which the holiday is celebrated was actually the holiday date.

**REGISTERED APPRENTICES**

Wages per hour

Apprentice Glazier One Year and 1500 hr. terms at the following percentage of Journeymans base wage.

1st	2nd	3rd	4th
50%	65%	75%	90%
+ additional \$2.20 per hour for all hours worked for all terms			

Apprentice Glazier Hi-Work One Year and 1500 hr. terms at the following percentage of Journeymans Hi-Work base wage.

1st	2nd	3rd	4th
50%	65%	75%	90%
+ additional \$3.52 per hour for all hours worked for all terms			

Supplemental Benefits per hour worked

Apprentice	
1st term	\$ 16.39
2nd-4th term	20.06
Apprentice High Work	
1st term	19.34
2nd-4th term	25.36

**Insulator - Heat & Frost** **03/01/2020**

**JOB DESCRIPTION** Insulator - Heat & Frost

**DISTRICT 1**

**ENTIRE COUNTIES**

Clinton, Franklin

**WAGES**

Wages per hour	07/01/2019	8/1/2019
Asbestos Worker*	\$ 30.63	\$ 30.28
Insulator*	30.63	30.28
Firestopping Worker*	30.64	30.28

(\*)On Mechanical Systems only.

On government mandated shift work additional 12% of wage for all shifts starting after 3:30 Pm.

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman	\$ 21.94	\$ 22.36
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**OVERTIME PAY**

See (\*B1, \*\*Q) on OVERTIME PAGE

\*B1=Double time begins after 10 hours on Saturday

\*\*Q=Triple time on Labor Day if worked.

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

When a holiday falls on Sunday the following Monday shall be observed as the holiday.

**REGISTERED APPRENTICES**

Wages per hour

one year terms at the following percentage of Journeyman""s wage.

1st	2nd	3rd	4th
60 %	70 %	80 %	90 %

Supplemental Benefits per hour worked:

Apprentices	\$ 21.94	\$ 22.36
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1-40/CF

**Ironworker**

**03/01/2020**

**JOB DESCRIPTION** Ironworker

**DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Delaware, Essex, Greene, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**PARTIAL COUNTIES**

Fulton: Only the Townships of Broadalbin, Mayfield, Northampton, Perth, Bleecker and Johnstown.

Hamilton: Only the Townships of Hope, Benson and Wells.

Montgomery: Only the Townships of Florida, Amsterdam, Charleston, Glen, Mohawk and Root.

Otsego: Only the Towns of Unadilla, Butternuts, Morris, Otego, Oneonta, Laurens, Millford, Maryland and Worcester.

**WAGES**

Wages	07/01/2019
Per hour	

Ornamental	\$ 31.55
Reinforcing	31.55
Rodman	31.55
Structural & Precast	31.55
Mover/Rigger	31.55
Fence Erector	31.55
Stone Derrickman	31.55
Sheeter	31.80
Curtain Wall Installer	31.55
Metal Window Installer	31.55

**SUPPLEMENTAL BENEFITS**

Per hour

JOURNEYMAN \$ 28.81

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday which occurs on Sunday shall be observed the following Monday.

**REGISTERED APPRENTICES**

Wages per hour

ONE YEAR TERMS AT THE FOLLOWING WAGE RATES:

07/01/2019

1st year	\$ 16.50
2nd year	18.50
3rd year	20.50
4th year	22.50

Supplemental Benefits per hour worked

1st year	\$ 11.25
2nd year	22.39
3rd year	23.97
4th year	25.57

1-12

**Laborer - Building**

**03/01/2020**

**JOB DESCRIPTION** Laborer - Building

**DISTRICT 7**

**ENTIRE COUNTIES**

Clinton, Essex, Warren

**WAGES**

GROUP A: All Laborers (except as noted)

GROUP B: Asbestos & Hazardous Waste Work.

WAGES per hour

07/01/2019

Group A	\$ 24.33
Group B	25.83

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman \$ 22.45

**OVERTIME PAY**

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

Terms are at the following percentage of Group Rate A.

0-1,000 Hrs	1,001-2,000 Hrs	2,001-3,000 Hrs	3,001-4,000 Hrs
60%	70%	80%	90%

SUPPLEMENTAL BENEFITS per hour worked:

All Terms: Same as Journeyman

7-1822ew

**Laborer - Heavy&Highway**

**03/01/2020**

**JOB DESCRIPTION** Laborer - Heavy&Highway

**DISTRICT 7**

**ENTIRE COUNTIES**  
Clinton, Essex, Warren

**WAGES**  
Per hour:

GROUP A: Drill Helper, Flagmen, Outboard and Hand Boats.

GROUP B: BASIC RATE: Bull Float (where used for strike off only), Chain Saw, Concrete Aggregate Bin, Concrete Bootman, Gin Buggy, Hand or Machine Vibrator, Jack Hammer, Mason Tender, Mortar Mixer, Pavement Breaker, Handlers of All Steel Mesh, Small Generators for Laborers' Tools, Installation of Bridge Drainage Pipe, Pipe Layers, Vibrator Type Rollers, Tamper, Drill Doctor, Water Pump Operator (1-1/2" and Single Diaphragm) Nozzle (Asphalt, Guniting, Seeding, and Sand Blasting), Laborers on Chain Link Fence Erection, Rock Splitter & Power Unit, Pusher Type Concrete Saw and All Other Gas, Electric, Oil, and Air Tool Operators, Wrecking Laborer.

GROUP C: Drilling Equipment - only where a separate air compressor unit supplies power, Acetylene Torch Operators, Asphalt Raker, Powder Man, Tail or Screw Operator on Asphalt Paver.

GROUP D: Blasters, Form Setters, Stone or Granite Curb Setters.

GROUP E: Hazardous Waste Removal Work when designated by State/Federal as hazardous waste site and regulations require employees wear required personal protection.

WAGES per hour	07/01/2019	07/01/2020 Additional	07/01/2021 Additional
Group # A	\$ 25.97	\$ 1.60	\$ 1.60
Group # B	26.17	1.60	1.60
Group # C	26.37	1.60	1.60
Group # D	26.57	1.60	1.60
Group # E	28.67	1.60	1.60

NOTE: A single irregular work shift starting any time between 5:00 PM and 1:00 AM on governmental mandated night work shall be paid an additional \$2.50 per hour.

IMPORTANT NOTE: Wage and supplement rates for the operation of forklift and skid steer may be found under the classification "Operating Engineer".

**SUPPLEMENTAL BENEFITS**  
Per hour:

Journeyman \$ 24.95

**OVERTIME PAY**  
See (B, E, Q) on OVERTIME PAGE

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

NOTE: If a holiday falls on Sunday, it will be celebrated on Monday. In the event that men work on this Sunday holiday, they shall be paid double time. In the event that men work on Monday, they shall be compensated at double time plus the holiday pay. Accordingly, the Monday following the Sunday is treated as the holiday.

**REGISTERED APPRENTICES**  
WAGES: 1000 hour terms at the following percentage of Journeyman's wage.

1st	2nd	3rd	4th
60%	70%	80%	90%

SUPPLEMENTAL BENEFITS per hour worked:

All Terms: Same as Journeyman

7-1822/2h

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**Laborer - Tunnel**

**03/01/2020**

**JOB DESCRIPTION** Laborer - Tunnel

**DISTRICT 7**

**ENTIRE COUNTIES**  
Clinton, Essex, Warren

**WAGES**  
GROUP A: General Laborer

GROUP B: Change Houseman, Miners and all Machine Men, Safety Miner, all Shaft-work, Caisson work, Drilling, Blow Pipe, all Air Tools, Tugger, Scaling, Nipper, Guniting pot to nozzle, Bit Grinder, Signal Man (top and bottom), Concrete Men, Shield driven tunnels, mixed face and soft ground, liner plate tunnels in free air.

GROUP C: Hazardous/Waste Work

WAGES (per hour)

	07/01/2019	07/01/2020	07/01/2021
Tunnel Laborer:		Additional	Additional
Group A	\$ 29.15	\$ 1.60	\$ 1.60
Group B	29.35	1.60	1.60
Group C*	31.65	1.60	1.60

(\*Work site required to be designated by State/Federal as hazardous waste site and relevant regulations require employees to use personal protection.

Note - A single irregular work shift shall be paid an additional \$2.50 per hour.

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman \$ 24.95

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: If a holiday falls on Saturday, it will be celebrated on Friday. If a holiday falls on Sunday, it will be celebrated on Monday. In the event that men work on this Sunday holiday, they shall be paid double time. In the event that men work on Monday, they shall be compensated at double time plus the holiday pay. Accordingly, the Monday following the Sunday is treated as the holiday.

**REGISTERED APPRENTICES**

Wages per hour

Terms are at the following percentage of Group B rate.

0-1000 Hrs	1001-2000 Hrs	2001-3000 Hrs	3001-4000 Hrs
60%	70%	80%	90%

**SUPPLEMENTAL BENEFITS**

All Terms: Same as Journeyman

7-1822T

**Lineman Electrician**

**03/01/2020**

**JOB DESCRIPTION** Lineman Electrician

**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, Wyoming, Yates

**WAGES**

Per hour:

NOTE: Includes Teledata Work within ten (10) feet of High Voltage Transmission Lines

Below rates applicable on all overhead and underground distribution and maintenance work, and all overhead and underground transmission line work and the installation of fiber optic cable where no other construction trades are or have been involved. (Ref #14.01.01)

	07/01/2019	05/04/2020
Lineman, Technician	\$ 52.05	\$ 53.50
Crane, Crawler Backhoe	52.05	53.50
Welder, Cable Splicer	52.05	53.50
Digging Mach. Operator	46.85	48.15
Tractor Trailer Driver	44.24	45.48

Groundman, Truck Driver	41.64	42.80
Equipment Mechanic	41.64	42.80
Flagman	31.23	32.10

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates applicable on all electrical sub-stations, switching structures, fiber optic cable and all other work not defined as "Utility outside electrical work". (Ref #14.02.01-A)

Lineman, Technician	\$ 52.05	\$ 53.50
Crane, Crawler Backhoe	52.05	53.50
Cable Splicer	57.26	58.85
Certified Welder - Pipe Type Cable	54.65	56.18
Digging Mach. Operator	46.85	48.15
Tractor Trailer Driver	44.24	45.48
Groundman, Truck Driver	41.64	42.80
Equipment Mechanic	41.64	42.80
Flagman	31.23	32.10

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates apply on switching structures, maintenance projects, railroad catenary install/maintenance third rail installation, bonding of rails and pipe type cable and installation of fiber optic cable. (Ref #14.02.01-B)

Lineman, Tech, Welder	\$ 53.37	\$ 54.82
Crane, Crawler Backhoe	53.37	54.82
Cable Splicer	58.71	60.30
Certified Welder - Pipe Type Cable	56.04	57.56
Digging Mach. Operator	48.03	49.34
Tractor Trailer Driver	45.36	46.60
Groundman, Truck Driver	42.70	43.86
Equipment Mechanic	42.70	43.86
Flagman	32.02	32.89

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates applicable on all overhead and underground transmission line work & fiber optic cable where other construction trades are or have been involved. This applies to transmission line work only, not other construction. (Ref #14.03.01)

Lineman, Tech, Welder	\$ 54.56	\$ 56.01
Crane, Crawler Backhoe	54.56	56.01
Cable Splicer	54.56	56.01
Digging Mach. Operator	49.10	50.41
Tractor Trailer Driver	46.38	47.61
Groundman, Truck Driver	43.65	44.81
Equipment Mechanic	43.65	44.81
Flagman	32.74	33.61

Additional \$1.00 per hour for entire crew when a helicopter is used.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour worked (also required on non-worked holidays):

The following SUPPLEMENTAL BENEFITS apply to all classification categories of CONSTRUCTION, TRANSMISSION and DISTRIBUTION.

Journeyman	\$ 24.15	\$ 24.90
	*plus 6.75% of hourly wage	*plus 6.75% of hourly wage

\*The 6.75% is based on the hourly wage paid, straight time rate or premium rate.

**OVERTIME PAY**

See (B, E, Q,) on OVERTIME PAGE. \*Note\* Double time for all emergency work designated by the Dept. of Jurisdiction.  
 NOTE: WAGE CAP...Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked.  
 Contractor is still responsible to pay the hourly benefit amount for each hour worked.

**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: 1000 hour terms at the following percentage of the applicable Journeyman Lineman wage.

1st	2nd	3rd	4th	5th	6th	7th
60%	65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS: Same as Journeyman

6-1249a

**Lineman Electrician - Teledata**

**03/01/2020**

**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, stopping at first point of attachment (demarcation).

	07/01/2019	01/01/2020	01/01/2021
Cable Splicer	\$ 32.78	\$ 33.77	\$ 34.78
Installer, Repairman	\$ 31.12	\$ 32.05	\$ 33.01
Teledata Lineman	\$ 31.12	\$ 32.05	\$ 33.01
Tech., Equip. Operator	\$ 31.12	\$ 32.05	\$ 33.01
Groundman	\$ 16.49	\$ 16.99	\$ 17.50

NOTE: EXCLUDES Teledata work within ten (10) feet of High Voltage (600 volts and over) transmission lines. For this work please see LINEMAN.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED:

1ST SHIFT	REGULAR RATE
2ND SHIFT	REGULAR RATE PLUS 10%
3RD SHIFT	REGULAR RATE PLUS 15%

**SUPPLEMENTAL BENEFITS**

Per hour:

Journeyman	\$ 4.73	\$ 4.73	\$ 4.73
	*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

NOTE: WAGE CAP...Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked.

Contractor is still responsible to pay the hourly benefit amount for each hour worked.

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE

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

6-1249LT - Teledata

**Lineman Electrician - Traffic Signal, Lighting** **03/01/2020**

**JOB DESCRIPTION** Lineman Electrician - Traffic Signal, Lighting

**DISTRICT** 6

**ENTIRE COUNTIES**

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Warren, Washington, Wayne, Wyoming, Yates

**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, chainsaws, 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 groundman/groundman truck driver may assist in installing conduit, pipe, cables and equipment.

A flagger's duties shall consist of traffic control only.  
 (Ref #14.01.01)

Per hour:

	07/01/2019	05/04/2020
Lineman, Technician	\$ 45.00	\$ 46.20
Crane, Crawler Backhoe	45.00	46.20
Certified Welder	47.25	48.51
Digging Machine	40.50	41.58
Tractor Trailer Driver	38.25	39.27
Groundman, Truck Driver	36.00	36.96
Equipment Mechanic	36.00	36.96
Flagman	27.00	27.72

Above rates are applicable for installation, testing, operation, maintenance and repair on all Traffic Control (Signal) and Illumination (Lighting) projects, Traffic Monitoring Systems, and Road Weather Information Systems. Includes digging of holes for poles, anchors, footer foundations for electrical equipment; assembly of all electrical materials or raceway; placing of fish wire; pulling of cables, wires or fiber optic cable through such raceways; splicing of conductors; dismantling of such structures, lines or equipment.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 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	\$ 24.15	\$ 24.90
	*plus 6.75% of hourly wage	*plus 6.75% of hourly wage

\*The 6.75% 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 all emergency work designated by the Dept. of Jurisdiction.  
 NOTE: WAGE CAP...Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked.  
 Contractor is still responsible to pay the hourly benefit amount for each hour worked.

**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.

	07/01/2019	05/04/2020
1st term	\$ 27.00	\$ 27.72
2nd term	29.25	30.03
3rd term	31.50	32.34
4th term	33.75	34.65
5th term	36.00	36.96
6th term	38.25	39.27
7th term	40.50	41.58

SUPPLEMENTAL BENEFITS: Same as Journeyman

6-1249a-LT

**Lineman Electrician - Tree Trimmer**

**03/01/2020**

**JOB DESCRIPTION** Lineman Electrician - Tree Trimmer

**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, Wyoming, Yates

**WAGES**

Per hour:

07/01/2019

Tree Trimmer	\$ 25.79
Equipment Operator	22.81
Equipment Mechanic	22.81
Truck Driver	18.99
Groundman	15.64
Flag person	11.27

**SUPPLEMENTAL BENEFITS**

Per hour worked (but also required on non-worked holidays):

Journeyman	\$ 9.98
	*plus 3% of hourly wage

\* The 3% is based on the hourly wage paid, straight time rate or premium rate.

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

NOTE: WAGE CAP...Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

**HOLIDAY**

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

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

NOTE: All paid holidays falling on a Saturday shall be observed on the preceding Friday.

All paid holidays falling on a Sunday shall be observed on the following Monday.

6-1249TT

**Mason - Building**

**03/01/2020**

**JOB DESCRIPTION** Mason - Building

**DISTRICT** 12

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**WAGES**

Per hour 07/01/2019

Tile/Marble/Terrazzo

Setter \$ 35.46  
Finisher 27.71

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour worked

Journeyman Setter \$ 19.98  
Journeyman Finisher 17.24

**OVERTIME PAY**

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

Hour Terms at the following percentage of Journeyman's wage

Setter:  
1st term 0-500 hrs 60%  
2nd term 501-1500 hrs 70%  
3rd term 1501-2500 hrs 80%  
4th term 2501-3500 hrs 85%  
5th term 3501-4500 hrs 90%  
6th term 4501-6000 hrs 95%

Finisher:  
1st term 0-500 hrs 70%  
2nd term 501-1500 hrs 80%  
3rd term 1501-2500 hrs 90%  
4th term 2501-3700 hrs 95%

Supplemental Benefits per hour worked

07/01/2019

Setter:  
1st term 0-500 hrs \$ 11.63  
2nd term 501-1500 hrs 11.63  
3rd term 1501-2500 hrs 15.85

4th term 2501-3500 hrs	15.85
5th term 3501-4500 hrs	17.97
6th term 4501-6000 hrs	19.98

Finisher:

1st term 0-500 hrs	\$ 11.09
2nd term 501-1500 hrs	11.09
3rd term 1501-2500 hrs	14.21
4th term 2501-3700 hrs	14.21

12-2TS.1

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**Mason - Building** **03/01/2020**

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**JOB DESCRIPTION** Mason - Building

**DISTRICT** 12

**ENTIRE COUNTIES**

Clinton, Essex, Franklin

**PARTIAL COUNTIES**

Warren: Only the Townships of Chester, Hague, Horicon and Johnsburg.

**WAGES**

Per hour 07/01/2019

Bricklayer	\$ 32.84
Cement Finisher	32.84
Plasterer/Fireproofers*	32.84
Pointer/Caulker/Cleaner	32.84
Stone Mason	32.84
Acid Brick	33.84

(\*)Fireproofers on Structural only.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour worked

Journeyman \$ 19.62

**OVERTIME PAY**

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

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday which occurs on Sunday shall be observed the following Monday.

**REGISTERED APPRENTICES**

Wages per hour

750 hr terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
55%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

0-500 Hours	\$ 11.77
All others	\$ 19.62

12-2b.8

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**Mason - Heavy&Highway** **03/01/2020**

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**JOB DESCRIPTION** Mason - Heavy&Highway

**DISTRICT** 12

**ENTIRE COUNTIES**

Albany, Cayuga, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Madison, Montgomery, Oneida, Oswego, Rensselaer, Saratoga, Schenectady, Schoharie, St. Lawrence, Warren, Washington

**PARTIAL COUNTIES**

Onondaga: For Heavy & Highway Cement Mason or Plaster Work in Onondaga County, refer to Mason-Heavy&Highway tag 1-2h/h on.

**WAGES**

Per hour  
 07/01/2019  
 Mason &  
 Bricklayer \$38.24

Additional \$1.00 per hour for work on any swing scaffold or staging suspended by means of ropes or cables.

**SUPPLEMENTAL BENEFITS**

Per hour worked  
 Journeyman  
 \$ 19.90

**OVERTIME PAY**

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

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6) on HOLIDAY PAGE

Note: If a holiday falls on Sunday, the Monday following shall constitute the day of the legal holiday.

**REGISTERED APPRENTICES**

Wages per hour  
 750 HR TERMS at the following percent of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
55%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked  
 \$ 19.90

12-2hh.1

**Millwright 03/01/2020**

**JOB DESCRIPTION** Millwright

**DISTRICT 2**

**ENTIRE COUNTIES**

Clinton, Essex, Franklin, Hamilton, Jefferson, Lewis, Oneida, Onondaga, Oswego, St. Lawrence, Warren, Washington

**WAGES**

Per hour:	07/01/2019	07/01/2020
		Additional
Building	\$ 28.59	\$ 1.25
Heavy & Highway	30.59	1.25

NOTE ADDITIONAL PREMIUMS PAID FOR THE FOLLOWING WORK LISTED BELOW (amount subject to any overtime premiums):

- Certified Welders shall receive \$1.75 per hour in addition to the current Millwrights rate provided he/she is directed to perform certified welding.
- For Building work if a work site has been declared a hazardous site by the Owner and the use of protective gear (including, as a minimum, air purifying canister-type chemical respirators) are required, then that employee shall receive a \$1.50 premium per hour for Building work.
- For Heavy & Highway work if the work is performed at a State or Federally designated hazardous waste site where employees are required to wear protective gear, the employees performing the work shall receive an additional \$2.00 per hour over the millwright heavy and highway wage rate for all hours worked on the day protective gear was worn.
- An employee performing the work of a machinist shall receive \$2.00 per hour in addition to the current Millwrights rate. For the purposes of this premium to apply, a "machinist" is a person who uses a lathe, Bridgeport, milling machine or similar type of tool to make or modify parts.
- When performing work underground at 500 feet and below, the employee shall receive an additional \$0.50. This amount will increase to \$1.00 on 7/1/2020.

**SUPPLEMENTAL BENEFITS**

Per hour:  
 Journeyman \$ 23.30

**OVERTIME PAY**

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

\*Note - Saturday may be used as a make-up day and worked at the straight time rate of pay during a work week when conditions such as weather, power failure, fire, or natural disaster prevent the performance of work on a regular scheduled work day.

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday that falls on Sunday shall be observed the following Monday. Any holiday that falls on Saturday shall be observed the preceding Friday.

**REGISTERED APPRENTICES**

Wages per hour:

(1)year terms at the following percentage of journeymans rate.

1st	2nd	3rd	4th
60%	70%	80%	90%

Supplemental Benefits per hour:

Apprentices:

1st term	\$ 10.60
2nd term	19.49
3rd term	20.76
4th term	22.03

2-1163.2

**Operating Engineer - Building**

**03/01/2020**

**JOB DESCRIPTION** Operating Engineer - Building

**DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**PARTIAL COUNTIES**

Dutchess: Defined as north of the northern boundary line of City of Poughkeepsie then due east to Route 115 to Bedelt Road then east along Bedelt Road to VanWagner Road then north along VanWagner Road to Bower Road then east along Bower Road to Rte. 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 Connecticut.

**WAGES**

CLASS A1:

Crane, hydraulic cranes, tower crane, locomotive crane, piledriver, cableway, derricks,whirlies, dragline, boom trucks over 5 tons.

CLASS A:

Shovel, all Excavators (including rubber tire full swing), Gradalls, power road grader, all CMI equipment, front-end rubber tire loader, tractor-mounted drill (quarry master), mucking machine, concrete central mix plant, concrete pump, belcrete system, automated asphalt concrete plant, and tractor road paver, boom trucks 5 tons and under, maintenance engineer, self-contained crawler drill-hydraulic rock drill.

CLASS B:

Backhoes (rubber tired backhoe/loader combination), bulldozer, pushcat, tractor, traxcavator, scraper, LeTourneau grader, form fine grader, self-propelled soil compactor (fill roller), asphalt roller, blacktop spreader, power brooms, sweepers, trenching machine, Barber Green loader, side booms, hydro hammer, concrete spreader, concrete finishing machine, one drum hoist, power hoisting (single drum), hoist two drum or more, three drum engine, power hoisting (two drum and over), two drum and swinging engine, three drum swinging engine, hod hoist, A-L frame winches, core and well drillers (one drum), post hole digger, model CHB Vibro-Tamp or similar machine, batch bin and plant operator, dinky locomotive, skid steer loader, track excavator 5/8 cubic yard or smaller, front end rubber tired loader under four cubic yards, vacuum machine (mounted or towed).

CLASS C:

Fork lift, high lift, all terrain fork lift: or similar, oiler, fireman and heavy-duty greaser, boilers and steam generators, pump, vibrator, motor mixer, air compressor, dust collector, welding machine, well point, mechanical heater, generators, temporary light plants, electric submersible pumps 4" and over, murphy type diesel generator, conveyor, elevators, concrete mixer, beltcrete power pack (belcrete system), seeding, and mulching machines, pumps.

\* In the event that equipment listed above is operated by robotic control, the classification covering the operation will be the same as if manually operated.

WAGES per hour

	07/01/2019	07/01/2020	07/01/2021
Class # A1	\$ 44.68	45.67	46.71
Class # A	44.19	45.18	46.22
Class # B	43.17	44.16	45.20

Class # C	40.27	41.26	42.30
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Additional \$0.50 per hr for Tower Cranes.  
 Additional \$1.25 per hr for Cranes with Boom length & jib 150ft. and over.  
 Additional \$2.25 per hr for Cranes with Boom length & jib 200ft. and over.  
 Additional \$2.50 per hr over B rate for Nuclear Leader work.  
 Additional \$0.40 per hr for tunnel or excavation of shaft 40" or more deep.  
 Additional \$2.50 per hour if work requires Personal Protective Equipment for hazardous waste site activities with a level C or over rating.

**SUPPLEMENTAL BENEFITS**

Per hour	07/01/2019	07/01/2020	07/01/2021
Journeyman	\$ 27.10	28.25	29.40

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6) on HOLIDAY PAGE

Note: If a holiday falls on Sunday, it will be celebrated on Monday. If the holiday falls on Saturday, it will be celebrated on Friday. Employees who work a Saturday holiday shall be paid double time plus 8 hours of straight time.

**REGISTERED APPRENTICES**

Wages per hour

1000 hours terms at the following percentage of Journeyman"s wage Class B

1st	2nd	3rd	4th
60%	70%	80%	90%

Supplemental Benefits per hour worked

	07/01/2019	07/01/2020	07/01/2021
All terms	\$ 22.40	23.55	24.70

1-158 Alb

**Operating Engineer - Heavy&Highway**

**03/01/2020**

**JOB DESCRIPTION** Operating Engineer - Heavy&Highway

**DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Broome, Chenango, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Tioga, Warren, Washington

**PARTIAL COUNTIES**

Dutchess: Defined as north of the northern boundary line of City of Poughkeepsie then due east to Route 115 to Bedelt Road then east along Bedelt Road to VanWagner Road then north along VanWagner Road to Bower Road then east along Bower Road to Rte. 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 Connecticut.

**WAGES**

CLASSIFICATION A:

Asphalt Curb Machine (Self Propelled, Slipform), Asphalt Paver, Automated Concrete Spreader (CMI Type), Automatic Fine Grader, Backhoe (Except Tractor Mounted, Rubber Tired), Backhoe Excavator Full Swing (CAT 212 or similar type), Back Filling Machine, Belt Placer (CMI Type), Blacktop Plant (Automated), Boom truck, GPS operated Bull Dozer, Cableway, Caisson Auger, Central Mix Concrete Plant (Automated), Concrete Curb Machine (Self Propelled, Slipform), Concrete Pump, Crane, Cherry Picker, Derricks (steel erection), Dragline, Overhead Crane (Gantry or Straddle type), Pile Driver, Truck Crane, Directional Drilling Machine, Dredge, Dual Drum Paver, Excavator (All PurposeHydraulically Operated) (Gradall or Similar), Front End Loader (4 cu. yd. and Over), Head Tower (Sauerman or Equal), Hoist (Two or Three Drum), Holland Loader, Maintenance Engineer, Mine Hoist, Mucking Machine or Mole, Pavement Breaker(SP) Wertgen; PB-4 and similar type, Power Grader, Profiler (over 105 H.P.), Quad 9, Quarry Master (or equivalent), Scraper, Shovel, Side Boom, Slip Form Paver (If a second man is needed, he shall be an Oiler), Tractor Drawn BeltType Loader, Truck or Trailer Mounted Log Chipper (Self Feeder), Tug Operator (Manned Rented Equipment Excluded), Tunnel Shovel

CLASSIFICATION B:

Backhoe (Tractor Mounted, Rubber Tired), Bituminous Recycler Machine, Bituminous Spreader and Mixer, Blacktop Plant (NonAutomated), Blast or Rotary Drill (Truck or Tractor Mounted), Brokk, Boring Machine, Cage Hoist, Central Mix Plant [(NonAutomated) and All Concrete Batching Plants], Concrete Paver (Over 16S), Crawler Drill (Self-contained), Crusher, Diesel Power Unit, Drill Rigs, Tractor Mounted, Front End Loader (Under 4 cu. yd.), Greaseman/Lubrication Engineer, HiPressure Boiler (15 lbs. and over), Hoist (One Drum), Hydro-Axe, Kolman Plant Loader and Similar Type Loaders (If Employer requires another man to clean the screen or to maintain the equipment, he shall be an Oiler), L.C.M. Work Boat Operator, Locomotive, Material handling knuckle boom, Mini Excavator (under 18,000 lbs.), Mixer (for stabilized base selfpropelled), Monorail Machine, Plant Engineer, Prentice Loader, Profiler (105 H.P. and under), Pug Mill, Pump Crete, Ready Mix Concrete Plant, Refrigeration Equipment (for soil stabilization), Road Widener, Roller (all above subgrade), Sea Mule, Self-contained Ride-on Rock Drill(Excluding Air-Track Type Drill), Skidder, Tractor with Dozer and/or Pusher, Trencher, Tugger Hoist, Vacuum machine (mounted or towed), Vermeer saw (ride on, any size or type), Welder

**CLASSIFICATION C:**

A Frame Winch Hoist on Truck, Articulated Heavy Hauler, Aggregate Plant, Asphalt or Concrete Grooving Machine (ride on), Ballast Regulator(Ride-on), Boiler (used in conjunction with production), Bituminous Heater (self-propelled), Boat (powered), Cement and Bin Operator, Concrete Pavement Spreader and Finisher Concrete Paver or Mixer (16' and under), Concrete Saw (self-propelled), Conveyor, Deck Hand, Directional Drill Machine Locator, Drill (Core and Well), Farm Tractor with accessories, Fine Grade Machine, Fireman, Fork Lift, Form Tamper, Grout Pump, Gunit Machine, Hammers (Hydraulic self-propelled), Hydra-Spiker (ride-on), Hydraulic Pump (jacking system), Hydro-Blaster (Water), Mulching Machine, Oiler, Parapet Concrete or Pavement Grinder, Post Hole Digger and Post Driver, Power Broom (towed), Power Heaterman, Power Sweeper, Revinus Widener, Roller (Grade and Fill), Scarifier (ride-on), Shell Winder, Skid steer loader (Bobcat or similar), Span-Saw (ride-on), Steam Cleaner, Tamper (ride-on), Tie Extractor (ride-on), Tie Handler (ride-on), Tie Inserter (ride-on), Tie Spacer (ride-on), Tire Repair, Track Liner (ride-on), Tractor, Tractor (with towed accessories), Vibratory Compactor, Vibro Tamp, Well Point, and the following hands-off equipment: Compressors, Dust Collectors, Generators, Pumps, Welding Machines, Light Plants and Heaters

- Note for all above classifications of Operating Engineer - In the event that equipment listed above is operated by robotic control, the classification covering the operation will be the same as if manually operated.

**WAGES per hour**

	07/01/2019	07/01/2020 Additional	07/01/2021 Additional
Master Mechanic	\$ 46.43	\$ 2.60	\$ 2.70
Class A*	44.82		
Class B	43.91		
Class C	41.34		

Additional \$2.50 per hour for All Employees who work a single irregular work shift starting from 5:00 PM to 1:00 AM that is mandated by the Contracting Agency.  
 Additional \$2.50 per hr. for hazardous waste removal work on State and/or Federally designated waste site which require employees to wear Level C or above forms of personal protection.

(\*) Premiums for CRANES is based upon Class A rates with the following premiums:

- Additional \$4.00 per hr for Tower Cranes, including self erecting.
- Additional \$3.00 per hr for Lattice Boom Cranes and all other cranes with a manufacturers rating of fifty (50) tons and over.
- Additional \$2.00 per hr for all Hydraulic Cranes and Derricks with a manufacturer's rating of 49 ton and below, including boom trucks.

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman \$ 27.30

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: If the holiday falls on Sunday, it will be celebrated on Monday. If the holiday falls on a Saturday, it will be celebrated on Saturday.

**REGISTERED APPRENTICES**

Wages per hour

1000 hours terms at the following percentage of Journeyman's wage Class B

1st            2nd            3rd            4th





All Class C	\$10.93 plus 7.5% of straight time wage, Overtime hours add \$ 0.48	11.58 plus 7.5% of straight time wage, Overtime hours add \$ 0.48
All Class D	\$10.63 plus 7.5% of straight time wage, Overtime hours add \$ 0.33	11.28 plus 7.5% of straight time wage, Overtime hours add \$ 0.33

**OVERTIME PAY**

See (B2, F, R) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6, 8, 15, 26) on HOLIDAY PAGE

4-25a-MarDredge

**Operating Engineer - Survey Crew**

**03/01/2020**

**JOB DESCRIPTION** Operating Engineer - Survey Crew

**DISTRICT** 12

**ENTIRE COUNTIES**

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schoenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

**PARTIAL COUNTIES**

Dutchess: The northern portion of the county from the northern boundary line of the City of Poughkeepsie, north.  
 Genesee: Only the portion of the county that lies east of a line down the center of Route 98 to include all area that lies within the City of Batavia.

**WAGES**

These rates apply to Building, Tunnel and Heavy Highway.

Per hour:

**SURVEY CLASSIFICATIONS:**

- Party Chief - One who directs a survey party.
- Instrument Person - One who operates the surveying instruments.
- Rod Person - One who holds the rods and assists the Instrument Person.

07/01/2019

Party Chief	\$ 41.51
Instrument Person	39.15
Rod Person	27.10

Additional \$3.00/hr. for Tunnel Work  
 Additional \$2.50/hr. for Hazardous Work Site

**SUPPLEMENTAL BENEFITS**

Per hour worked:

Journeyman	\$ 26.80
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**OVERTIME PAY**

See (B, E, P, T) on OVERTIME PAGE

**HOLIDAY**

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

**REGISTERED APPRENTICES**

WAGES: 1000 hour terms based on the Percentage of Rod Persons Wage:

07/01/2019

0-1000	60%
1001-2000	70%
2001-3000	80%

SUPPLEMENTAL BENEFIT per hour worked:

0-1000	\$ 16.21
1001-2000	18.92
2001-3000	21.63

12-158-545 D.H.H.

**Operating Engineer - Survey Crew - Consulting Engineer** **03/01/2020**

**JOB DESCRIPTION** Operating Engineer - Survey Crew - Consulting Engineer **DISTRICT 12**

**ENTIRE COUNTIES**

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

**PARTIAL COUNTIES**

Dutchess: The northern portion of the county from the northern boundary line of the City of Poughkeepsie, north.  
 Genesee: Only the portion of the county that lies east of a line down the center of Route 98 to include all area that lies within the City of Batavia.

**WAGES**

These rates apply to feasibility and preliminary design surveying, line and grade surveying for inspection or supervision of construction when performed under a Consulting Engineer Agreement.

Per hour:

**SURVEY CLASSIFICATIONS:**

- Party Chief - One who directs a survey party.
- Instrument Person - One who operates the surveying instruments.
- Rod Person - One who holds the rods and assists the Instrument Person.

07/01/2019

Party Chief	\$ 42.86
Instrument Person	39.37
Rod Person	29.14

Additional \$3.00/hr. for Tunnel Work.  
 Additional \$2.50/hr. for EPA or DEC certified toxic or hazardous waste work.

**SUPPLEMENTAL BENEFITS**

Per hour worked:

Journeyman	\$ 25.60
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**OVERTIME PAY**

See (B, E, P, T) on OVERTIME PAGE

**HOLIDAY**

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

**REGISTERED APPRENTICES**

WAGES: 1000 hour terms based on percentage of Rod Persons Wage:

07/01/2019

0-1000	60%
1001-2000	70%
2001-3000	80%

SUPPLEMENTAL BENEFIT per hour worked:

0-1000	\$ 17.43
1001-2000	\$ 20.35
2001-3000	\$ 23.26

12-158-545 DCE

**Operating Engineer - Tunnel** **03/01/2020**

**JOB DESCRIPTION** Operating Engineer - Tunnel **DISTRICT 7**

**ENTIRE COUNTIES**

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

**PARTIAL COUNTIES**

Dutchess: Northern part of Dutchess to the northern boundary line of the City of Poughkeepie then due east to Route 115 to Bedelt Road then east along Bedelt Road to VanWagner Road then north along VanWagner Road to Bower Road then east along Bower Road to Rte. 44 east to Rte. 343 then along Rte. 343 east to the northern boundary of the Town of Dover Plains and east along the northern boundary of the Town of Dover Plains to Connecticut.

Genesee: Only that portion of the county that lies east of a line drawn down the center of Route 98 and the entirety of the City of Batavia.

**WAGES**

CLASS A: Automatic Concrete Spreader (CMI Type); Automatic Fine Grader; Backhoe (except tractor mounted, rubber tired); Belt Placer (CMI Type); Blacktop Plant (automated); Cableway; Caisson Auger; Central Mix Concrete Plant (automated); Concrete Curb Machine (self-propelled slipform); Concrete Pump (8" or over); Dredge; Dual Drum Paver; Excavator; Front End Loader (4 cu. yd & over); Gradall; Head Tower (Sauerman or Equal); Hoist (shaft); Hoist (two or three Drum); Log Chipper/Loader (self-feeder); Maintenance Engineer (shaft and tunnel); any Mechanical Shaft Drill; Mine Hoist; Mining Machine (Mole and similar types); Mucking Machine or Mole; Overhead Crane (Gantry or Straddle Type); Pile Driver; Power Grader; Remote Controlled Mole or Tunnel Machine; Scraper; Shovel; Side Boom; Slip Form Paver (If a second man is needed, they shall be an Oiler); Tripper/Maintenance Engineer (shaft & tunnel); Tractor Drawn Belt-Type Loader; Tug Operator (manned rented equipment excluded); Tunnel Shovel

CLASS B: Automated Central Mix Concrete Plant; Backhoe (topside); Backhoe (track mounted, rubber tired); Backhoe (topside); Bituminous Spreader and Mixer, Blacktop Plant (non-automated); Blast or Rotary Drill (truck or tractor mounted); Boring Machine; Cage Hoist; Central Mix Plant (non-automated); all Concrete Batching Plants; Compressors (4 or less exceeding 2,000 c.f.m. combined capacity); Concrete Pump; Crusher; Diesel Power Unit; Drill Rigs (tractor mounted); Front End Loader (under 4 cu. yd.); Grayco Epoxy Machine; Hoist (One Drum); Hoist (2 or 3 drum topside); Knuckle Boom material handler; Kolman Plant Loader & similar type Loaders (if employer requires another person to clean the screen or to maintain the equipment, they shall be an Oiler); L.C.M. Work Boat Operator; Locomotive; Maintenance Engineer (topside); Maintenance Grease Man; Mixer (for stabilized base-self propelled); Monorail Machine; Plant Engineer; Personnel Hoist; Pump Crete; Ready Mix Concrete Plant; Refrigeration Equipment (for soil stabilization); Road Widener; Roller (all above sub-grade); Sea Mule; Shotcrete Machine; Shovel (topside); Tractor with Dozer and/or Pusher; Trencher; Tugger Hoist; Tunnel Locomotive; Welder; Winch; Winch Cat

CLASS C: A Frame Truck; All Terrain Telescoping Material Handler; Ballast Regulator (ride-on); Compressors (4 not to exceed 2,000 c.f.m. combined capacity; or 3 or less with more than 1200 c.f.m. but not to exceed 2,000 c.f.m.); Compressors ((any size, but subject to other provisions for compressors), Dust Collectors, Generators, Pumps, Welding Machines, Light Plants (4 or any type combination)); Concrete Pavement Spreaders and Finishers; Conveyor; Drill (core); Drill (well); Electric Pump used in conjunction with Well Point System; Farm Tractor with Accessories; Fine Grade Machine; Fork Lift; Grout Pump (over 5 cu. ft.); Gunite Machine; Hammers (hydraulic-self-propelled); Hydra-Spiker (ride-on); Hydra-Blaster (water); Hydro-Blaster; Motorized Form Carrier; Post Hole Digger and Post Driver; Power Sweeper; Roller grade & fill); Scarifer (ride-on); Span-Saw (ride-on); Submersible Electric Pump (when used in lieu of well points); Tamper (ride-on); Tie-Extractor (ride-on), Tie Handler (ride-on), Tie Inserter (ride-on), Tie Spacer (ride-on); Track Liner (ride-on); Tractor with towed accessories; Vibratory Compactor; Vibro Tamp, Well Point

CLASS D: Aggregate Plant; Cement & Bin Operator; Compressors (3 or less not to exceed 1,200 c.f.m. combined capacity); Compressors ((any size, but subject to other provisions for compressors), Dust Collectors, Generators, Pumps, Welding Machines, Light Plants (3 or less or any type or combination)); Concrete Saw (self-propelled); Form Tamper; Greaseman; Hydraulic Pump (jacking system); Junior Engineer; Light Plants; Mulching Machine; Oiler; Parapet Concrete or Pavement Grinder; Power Broom (towed); Power Heaterman (when used for production); Revinius Widener; Shell Winder; Steam Cleaner; Tractor

WAGES per hour:

	07/01/2019	07/01/2020	07/01/2021	07/01/2022
Master Mechanic	\$ 48.00	\$ 49.45	\$ 51.00	\$ 52.60
CLASS A	45.59	47.04	48.59	50.19
CLASS B	44.37	45.82	47.37	48.97
CLASS C	41.58	43.03	44.58	46.18
CLASS D	38.57	40.02	41.57	43.17

Additional \$5.00 per hour for Hazardous Waste Work on a state or federally designated hazardous waste site where the Operating Engineer is in direct contact with hazardous material and when personal protective equipment is required for respiratory, skin and eye protection. Fringe benefits will be paid at the hourly wage premium.

CRANES:

Crane 1: All cranes, including self-erecting to be paid \$4.00 per hour over the Class A rate.

Crane 2: All Lattice Boom Cranes and all cranes with a manufacturer's rating of fifty (50) ton and over to be paid \$3.00 per hour over Class A rate.

Crane 3: All hydraulic cranes and derricks with a manufacturer's rating of forty nine (49) ton and below, including boom trucks, to be paid \$2.00 per hour over Class A rate.

Crane 1	\$ 49.59	\$ 51.04	\$ 52.59	\$ 54.19
Crane 2	48.59	50.04	51.59	53.19

Crane 3	47.59	49.04	50.59	52.19
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**SUPPLEMENTAL BENEFITS**

Per hour:

	\$ 29.60	\$ 30.75	\$ 31.90	\$ 33.05
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**OVERTIME PAY**

See (B, B2, E, Q, X) on OVERTIME PAGE

**HOLIDAY**

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

If a holiday falls on Sunday, it shall be observed on Monday.

**REGISTERED APPRENTICES**

WAGES:(1000) hours terms at the following percentage of Journeyman"s wage.

1st term	60% of Class B
2nd term	65% of Class B
3rd term	70% of Class B
4th term	75% of Class B

SUPPLEMENTAL BENEFITS per hour paid: Same as Journeyman

7-158-832TL.

**Painter**

**03/01/2020**

**JOB DESCRIPTION** Painter

**DISTRICT 1**

**ENTIRE COUNTIES**

Clinton, Franklin

**WAGES**

Per hour	07/01/2019	05/01/2020 Additional
Painter\Wallcover	\$ 29.09	\$ 1.50
Drywall Finishers	29.09	1.50
Spray Rate	29.09	1.50
Structural Steel*	30.09	1.50
Lead Abatement	30.09	1.50
Lead Abatement on Structural Steel	31.09	1.50

(\* )Employees working on objects with the use of swing stage, boatswain chair, pick and cables only will be paid at Structural Steel rate.

Bridge Painter

See Bridge Painter rates for the following work:

All Bridges and Tanks

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman	\$ 15.65
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**OVERTIME PAY**

See (B, E2, H) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: If the holiday falls on Sunday, it shall be observed on Monday.

**REGISTERED APPRENTICES**

Wages per hour

1000 hour terms at the following percentage of Journeyman's wage.

1st	2nd	3rd	4th	5th	6th
45%	50%	60%	70%	80%	90%

Supplemental Benefits per hour worked

All terms \$ 15.65

1-201-CFP

**Painter - Bridge & Structural Steel**

**03/01/2020**

**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:

STEEL:

Bridge Painting: 07/01/2019

\$ 49.50

+ 6.38\*

ADDITIONAL \$6.00 per hour for POWER TOOL/SPRAY, whether straight time or overtime.

NOTE: All premium wages are to be calculated on base rate per hour only.

\* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (no cap).

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:

Journeyworker: 07/01/2019

\$ 9.50

+26.05\*

\* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (no cap).

**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:

Apprentices: (1) year terms

07/01/2019

1st year \$ 23.13

2nd year 34.73

3rd year 46.30

Supplemental Benefits - Per hour:

1st year \$ 13.44

2nd year 20.16

3rd year 26.88

8-DC-9/806/155-BrSS

**Painter - Line Striping**

**03/01/2020**

**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):	07/01/2019
Striping-Machine Operator*	\$ 29.93
Linerman Thermoplastic	\$ 36.06

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 PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

**SUPPLEMENTAL BENEFITS**

Per hour paid: 07/01/2019  
 Journeyworker:

Striping-Machine operator	\$ 7.44
Linerman Thermoplastic	\$ 7.44

**OVERTIME PAY**

See (B, B2, E2, F, S) on OVERTIME PAGE

**HOLIDAY**

Paid: See (5, 20) on HOLIDAY PAGE  
 Overtime: See (5, 20) on HOLIDAY PAGE

**REGISTERED APPRENTICES**

One (1) year terms at the following wage rates:

07/01/2019

1st term	\$ 11.97
2nd term	17.96
3rd term	23.94

Supplemental Benefits per hour:

1st term	\$ 7.44
2nd term	7.44
3rd term	7.44

8-1456-LS

**Painter - Metal Polisher 03/01/2020**

**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, Schuyler, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

**WAGES**

07/01/2019

Metal Polisher	\$ 30.58
Metal Polisher*	31.53
Metal Polisher**	34.08

\*Note: Applies on New Construction & complete renovation

\*\* Note: Applies when working on scaffolds over 34 feet.

**SUPPLEMENTAL BENEFITS**

Per Hour: 07/01/2019

Journeyworker:  
 All classification \$ 7.72

**OVERTIME PAY**

See (B, E, 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:

	07/01/2019
1st year	\$ 15.00
2nd year	15.00
3rd year	15.75
1st year*	\$ 17.39
2nd year*	17.44
3rd year*	18.29
1st year**	\$ 19.50
2nd year**	19.50
3rd year**	20.25

\*Note: Applies on New Construction & complete renovation

\*\* Note: Applies when working on scaffolds over 34 feet.

Supplemental benefits:

Per hour:

1st year	\$ 5.52
2nd year	5.52
3rd year	5.52

8-8A/28A-MP

**Plumber**

**03/01/2020**

**JOB DESCRIPTION** Plumber

**DISTRICT 1**

**ENTIRE COUNTIES**

Clinton, Warren, Washington

**PARTIAL COUNTIES**

Saratoga: Entire county except the Townships of Stillwater, Halfmoon, Galway, Milton, Charlton, Clifton Park and City of Mechanicville.

**WAGES**

Per hour

07/01/2019

Plumber &  
Steamfitter \$ 37.50

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman \$ 20.55  
+10.43\*

\* This portion of the benefit is subject to the SAME PREMIUM as shown for overtime and applicable to paid Holidays

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (22) on HOLIDAY PAGE  
Overtime: See (5, 6, 16, 23) on HOLIDAY PAGE

Note: Whenever a Holiday falls on a Saturday, the preceding day, Friday, shall be observed as the Holiday. If a Holiday falls on a Sunday, the following day, Monday shall be observed as the Holiday.

**REGISTERED APPRENTICES**

Wages per hour

One year terms at the following percentage of Journeyman's wage



1st yr	50%
2nd yr	60%
3rd yr	70%
4th yr	80%
5th yr	90%

Supplemental Benefits per hour worked

1st yr	\$ 17.63 + 5.22*
2nd yr	18.21 + 6.26*
3rd yr	18.80 + 7.30*
4th yr	19.38 + 8.34*
5th yr	19.97 + 9.39*

\* This portion of the benefit is subject to the SAME PREMIUM as shown for overtime.

\* This portion per hour paid.

1-773-SF

**Roofer**

**03/01/2020**

**JOB DESCRIPTION** Roofer

**DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Essex, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Warren, Washington

**WAGES**

Per hour

	07/01/2019	07/01/2020 Additional	07/01/2021 Additional
Roofer/Waterproofer	\$ 31.55	\$1.50	\$1.50
Asphalt Cold Process	32.05		
Fluid Applied Roof	32.05		
Pitch & Asbestos	33.55		

Shift Work:

On government mandated shift work starting after 12:00pm and before 4:00am workers shall be paid \$4.00 additional per hour

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman \$ 19.27

**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 any Holiday falls on Saturday, the Friday before such Holiday shall be recognized as the legal Holiday. When a Holiday falls on Sunday, it shall be observed the following Monday.

**REGISTERED APPRENTICES**

Wages per hour

Apprentice terms at the following per cent of the Roofer/Waterproofer rate. For Pitch & Asbestos work, an additional \$2.00 must be paid in wages. For Asphalt Cold Process work and Fluid Applied Roof coating, an additional \$0.50 must be paid in the wages.

1st Term 1500 hrs.	58%
2nd Term 1 yr. and 1500 hrs.	74%
3rd Term 1 yr. and 1050 hrs.	90%

Supplemental Benefits per hour worked

1st Term	\$ 17.69
2nd Term	18.12
3rd Term	18.60

1-241

**Sheetmetal Worker** **03/01/2020**

**JOB DESCRIPTION** Sheetmetal Worker **DISTRICT 1**

**ENTIRE COUNTIES**

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

**WAGES**

Per hour	07/01/2019	06/01/2020	06/01/2021
		Additional	Additional
Sheetmetal Worker	\$33.16	\$ 1.75	\$ 1.75

All work requiring HAZWOPER Training additional \$1.00 per hour

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman \$33.09

**OVERTIME PAY**

See ( B,E,E5,Q ) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
 Overtime: See (5, 6) on HOLIDAY PAGE

When any holiday falls on Saturday, the Friday before such holiday shall be recognized as the legal holiday. Any holiday falling on Sunday, the following Monday shall be recognized as the legal holiday.

**REGISTERED APPRENTICES**

Wages per hour

6 Month Terms at the following rate:

1st term	\$18.44
2nd term	\$19.99
3rd term	\$20.77
4th term	\$21.55
5th term	\$20.34
6th term	\$21.35
7th term	\$23.04
8th term	\$24.73
9th term	\$26.41
10th term	\$28.10

Supplemental Benefits per hour worked

1st term	\$20.30
2nd term	20.88
3rd term	21.18
4th term	21.60
5th term	27.62
6th term	28.05
7th term	28.77
8th term	29.49
9th term	30.21
10th term	30.93

**Sprinkler Fitter** **03/01/2020**

**JOB DESCRIPTION** Sprinkler Fitter **DISTRICT 1**

**ENTIRE COUNTIES**

Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Washington, Wayne, Wyoming, Yates

**WAGES**

Per hour	07/01/2019
Sprinkler Fitter	\$ 34.91

**SUPPLEMENTAL BENEFITS**

Per hour

Journeyman \$ 24.93

**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 ON OR AFTER 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
45%	50%	55%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 9.18	\$ 9.22	\$ 17.89	\$ 17.93	\$ 18.48	\$ 18.52	\$ 18.57	\$ 18.61	\$ 18.66	\$ 18.70

For Apprentices HIRED ON OR AFTER 04/01/2013:

One Half Year terms at the following percentage of journeyman's wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
45%	50%	55%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 8.27	\$ 8.27	\$ 18.04	\$ 18.04	\$ 18.29	\$ 18.29	\$ 18.29	\$ 18.29	\$ 18.29	\$ 18.29

1-669

**Teamster - Building** **03/01/2020**

**JOB DESCRIPTION** Teamster - Building

**DISTRICT 7**

**ENTIRE COUNTIES**

Clinton, Essex, Franklin, Jefferson, St. Lawrence

**PARTIAL COUNTIES**

Lewis: Only the Townships of Croghan, Denmark, Diana, New Bremen, Harrisburg, Montague, Osceola and Pinckney.

Oswego: Only the Towns of Boylston, Redfield, and Sandy Creek.

Warren: Only the Townships of Hague, Horicon, Chester and Johnsburg.

**WAGES**

GROUP # 1: Fuel Trucks, Fork Lift (Warehouse & Storage Area Only), Bus, Warehouse, Yardman, Truck Helper, Pickups, Panel Truck, Flatbody Material Trucks (straight Jobs), Single axle Dump Trucks, Dumpsters, Material Checkers & Receivers, Greasers, Tiremen, Mechanic Helpers and Parts Chasers.

GROUP # 2: Tandems, Mechanics & Batch Trucks.

GROUP # 3: Semi Trailers, Low Boys, Asphalt Distributor Trucks, and Agitator Mixer Truck, Dump Crete Type Vehicles and 3 axle Dump trucks.

GROUP # 4: Asbestos Removal, Special earth moving Euclid type or similar off highway equip.(non self load.) Articulated and all-track dump trucks.

Wages per hour

07/01/2019

Building:

Group #1 \$ 23.58

Group #2 24.58

Group #3 24.68  
Group #4 23.84

**SUPPLEMENTAL BENEFITS**

Per hour:

All groups \$ 21.51

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

Paid: See (1) on HOLIDAY PAGE  
Overtime: See (5, 6) on HOLIDAY PAGE

7-687B

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**Teamster - Heavy&Highway**

**03/01/2020**

**JOB DESCRIPTION** Teamster - Heavy&Highway

**DISTRICT 7**

**ENTIRE COUNTIES**

Clinton, Essex, Franklin, Jefferson, St. Lawrence

**PARTIAL COUNTIES**

Lewis: Only the Townships of Croghan, Denmark, Diana, New Bremen,Harrisburg, Montague, Osceola and Pinckney.  
Oswego: Only the Towns of Boylston, Redfield, and Sandy Creek.  
Warren: Only the Townships of Hague, Horicon, Chester and Johnsburg.

**WAGES**

GROUP 1: Warehousemen, Yardmen, Truck Helpers, Pickups, Panel Trucks, Flatboy Material Trucks(straight jobs), Single Axle Dump Trucks, Dumpsters, Material Checkers and Receivers, Greasers, Truck Tirmen, Mechanics Helpers and Parts Chasers. Fork Lift (storage & warehouse areas only) Tandems and Batch Trucks, Mechanics, Dispatcher. Semi-Trailers, Low-boy Trucks, Asphalt Distributor Trucks, and Agitator, Mixer Trucks and dumpcrete type vehicles, Truck Mechanic,Fuel Truck.

GROUP 2: Specialized Earth Moving Equipment, Euclid type, or similar off-highway where not self-loading, Straddle (Ross) Carrier, and self-contained concrete mobile truck. Off-highway Tandem Back-Dump, Twin Engine Equipment and Double-Hitched Equipment where not self-loading.

Per hour:

07/01/2019

Heavy/Highway:

Group #1 \$ 25.82  
Group #2 26.04

Additional \$1.50 per hour for hazardous waste removal work on a City, County, and/or Federal Designated waste site and regulations require employee to use or wear respiratory protection.

For work bid on or after April 1, 1982 there shall be a 12 month carryover of the negotiated rate in effect at the time of the bid.

**SUPPLEMENTAL BENEFITS**

Per hour:

All classes \$ 23.52

**OVERTIME PAY**

See (B, E, Q) on OVERTIME PAGE

**HOLIDAY**

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

NOTE: If a holiday falls on a Sunday, it will be celebrated on Monday.

7-687

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**Welder**

**03/01/2020**

**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 07/01/2019

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

- ( 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
- ( U ) Four times the hourly rate for Holidays
- ( V ) Including benefits at SAME PREMIUM as shown for overtime
- ( W ) Time and one half for benefits on all overtime hours.
- ( X ) Benefits payable on Paid Holiday at straight time. If worked, additional benefit amount will be required for worked hours. (Refer to other codes listed.)

## 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
- ( 28 ) Easter Sunday





**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.

The agency issuing the determination and providing the information, is denoted under the heading 'Fiscal Officer'. DOL = New York State Department of Labor; NYC = New York City Comptroller's Office; AG = New York State Attorney General's Office; DA = County District Attorney's Office.

**Debarment Database:** To search for contractors, sub-contractors and/or their successors debarred from bidding or being awarded any public work contract or subcontract under NYS Labor Law Articles 8 and 9, or under NYS Workers' Compensation Law Section 141-b, access the database at this link: <https://applications.labor.ny.gov/EDList/searchPage.do>

**For inquiries where WCB is listed as the "Agency", please call 1-866-546-9322**



**NYSDOL Bureau of Public Work Debarment List 02/03/2020**

**Article 8**

AGENCY	Fiscal Officer	FEIN	EMPLOYER NAME	EMPLOYER DBA NAME	ADDRESS	DEBARMENT START DATE	DEBARMENT END DATE
DOL	NYC	*****9839	A.J.S. PROJECT MANAGEMENT, INC.		149 FIFTH AVENUE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	NYC		ABDUL KARIM		C/O NORTH AMERICAN IRON W 1560 DECATUR STREETRIDGEWOOD NY 11385	05/15/2015	05/15/2020
DOL	DOL	*****4539	ACCOMPLISHED WALL SYSTEMS INC		112 OSCAWANNA HEIGHTS RD PUTNAM VALLEY NY 10542	03/13/2015	03/12/2020
DOL	DOL	*****3344	ACT INC		6409 LAND O LAKES BLVD LAND O LAKES FL 34638	11/10/2015	11/10/2020
DOL	DOL	*****4018	ADIRONDACK BUILDING RESTORATION INC.		4156 WILSON ROAD EAST TABERG NY 13471	03/26/2019	03/26/2024
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	*****1687	ADVANCED SAFETY SPRINKLER INC		261 MILL ROAD P.O BOX 296EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	NYC	*****6775	ADVENTURE MASONRY CORP.		1535 RICHMOND AVENUE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	NYC		AGOSTINHO TOME		405 BARRETTO ST BRONX NY 10474	05/31/2018	05/31/2023
DOL	DOL		AJ TORCHIA		10153 ROBERTS RD SAUQUOIT NY 13456	08/09/2016	08/09/2021
DOL	DOL	*****3344	ALL CATASTROPHE CONSTRUCTION TEAM INC	ACT INC	6409 LAND O LAKES BLVD LAND O LAKES FL 34638	11/10/2015	11/10/2020
DOL	DOL	*****8740	ALLSTATE ENVIRONMENTAL CORP		C/O JOSE MONTAS 27 BUTLER PLACEYONKERS NY 10710	03/18/2011	03/19/2020
DOL	DOL		AMADEO J TORCHIA	TORCHIA'S HOME IMPROVEMENT	10153 ROBERTS RD SAUQUOIT NY 13456	08/09/2016	08/09/2021
DOL	NYC		AMJAD NAZIR		2366 61ST ST BROOKLYN NY 11204	12/15/2016	12/15/2021
DOL	DOL		ANGELO F COKER			12/04/2018	12/04/2023
DOL	NYC		ANISUL ISLAM		C/O RELIANCE GENERAL CONS 644 OCEAN PARKWAYBROOKLYN NY 11230	09/02/2015	09/02/2020
DOL	DOL		ANITA SALERNO		158 SOLAR ST SYRACUSE NY 13204	01/07/2019	01/07/2024
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
DOL	NYC		ANTHONY J SCLAFANI		149 FIFTH AVE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	DOL		ANTHONY PERGOLA		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10323	01/23/2017	01/23/2022
DOL	DOL		ANTONIO ESTIVEZ		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****3020	APCO CONTRACTING CORP		24 SOUTH MARYLAND AVENUE PORT WASHINGTON NY 11050	09/24/2012	09/02/2020
DOL	NYC	*****9232	ARKAY CONSTRUCTION INC		102-104 GREYLOCK AVENUE BELLEVILLE NJ 07109	07/15/2015	07/15/2020
DOL	NYC		ARSHAD MEHMOOD		168-42 88TH AVENUE JAMAICA NY 11432	11/20/2019	11/20/2024
DOL	DOL		ARVINDER ATWAL		65 KENNETH PLACE NEW HYDE PARK NY 11040	07/19/2017	07/19/2022
DOL	NYC	*****4779	ASTORIA GENERAL CONTRACTING CORP		35-34 31ST STREET LONG ISLAND CITY NY 11106	09/02/2015	09/02/2020
DOL	NYC	*****7217	ASTRO COMMUNICATIONS OF NY CORP		79 ALEXANDER AVE- STE 36A BRONX NY 10454	10/30/2015	10/30/2020
DOL	NYC	*****6046	ATLANTIC SUN CONSTRUCTION CORP		58-46 59TH AVENUE MASPETH NY 11378	05/08/2015	05/08/2020
DOL	NYC	*****6683	ATLAS RESTORATION CORP.		35-12 19TH AVENUE ASTORIA NY 11105	08/02/2017	08/02/2022
DOL	NYC	*****5532	ATWAL MECHANICALS, INC		65 KENNETH PLACE NEW HYDE PARK NY 11040	07/19/2017	07/19/2022

**NYSDOL Bureau of Public Work Debarment List 02/03/2020**

**Article 8**

DOL	NYC		AUDLEY O'BRIEN		1273 NORTH AVENUE/#1 CP NEW ROCHELLE NY 10804	04/07/2015	04/07/2020
DOL	NYC	*****2591	AVI 212 INC.		260 CROPSEY AVENUE APT 11GBROOKLYN NY 11214	10/30/2018	10/30/2023
DOL	AG		AVTAR SINGH		116-24 127TH STREET SOUTH OZONE PARK NY 11420	12/22/2015	12/22/2020
DOL	AG		BALDEV SINGH		116-24 127TH STREET SOUTH OZONE PARK NY 11420	12/22/2015	12/22/2020
DOL	NYC		BALWINDER SINGH		421 HUDSON ST SUITE C5NEW YORK NY 10014	02/20/2019	02/20/2024
DOL	DOL		BARBARA CASSIDY		7 BLENIS PLACE VALHALLA NY 10595	04/02/2015	04/02/2020
DOL	DOL		BARRY KINNEY		6409 LAND O LAKES BLVD LAND O LAKES FL 34638	11/10/2015	11/10/2020
DOL	NYC	*****3915	BEACON RESTORATION INC		SUITE B-8 782 PELHAM PARKWAY SOUTHBRONX NY 10462	04/21/2016	04/21/2021
DOL	NYC	*****8416	BEAM CONSTRUCTION, INC.		50 MAIN ST WHITE PLAINS NY 10606	01/04/2019	01/04/2024
DOL	DOL		BIAGIO CANTISANI			06/12/2018	06/12/2023
DOL	DOL	*****4512	BOB BRUNO EXCAVATING, INC		5 MORNINGSIDE DR AUBURN NY 13021	05/28/2019	05/28/2024
DOL	DOL		BOGDAN MARKOVSKI		370 W. PLEASANTVIEW AVE SUITE 2.329HACKENSACK NJ 07601	02/11/2019	02/11/2024
DOL	DOL	*****8551	BRANDY'S MASONRY		216 WESTBROOK STREET P O BOX 304SAYRE PA 18840	08/09/2016	08/09/2021
DOL	NYC	*****6555	BROOKLYN WELDING CORP		1273 NORTH AVENUE/ #1 CP NEW ROCHELLE NY 10804	04/07/2015	04/07/2020
DOL	DOL	*****1449	BRRESTORATION NY INC		140 ARCADIA AVENUE OSWEGO NY 13126	09/12/2016	09/12/2021
DOL	DOL		BRUCE MORSEY		C/O KENT HOLLOW SIDING LL 29A BRIDGE STREETNEW MILFORD CT 06776	01/15/2016	01/15/2021
DOL	DOL		BRUCE P. NASH JR.		5841 BUTTERNUT ROAD EAST SYRACUSE NY 13057	09/12/2018	09/12/2023
DOL	DOL	*****8809	C.B.E. CONTRACTING CORPORATION		310 MCGUINNESS BLVD GREENPOINT NY 11222	03/07/2017	03/07/2022
DOL	DOL	*****9383	C.C. PAVING AND EXCAVATING, INC.		2610 SOUTH SALINA ST SUITE 12SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	NYC		CALVIN WALTERS		465 EAST THIRD ST MT. VERNON NY 10550	09/09/2019	09/09/2024
DOL	DOL		CANTISANI & ASSOCIATES LTD		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CANTISANI HOLDING LLC			06/12/2018	06/12/2023
DOL	DOL		CARIBBEAN POOLS		C/O DOUGLAS L MALARKEY 64 VICTORIA DRIVEBINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DOL	*****3812	CARMODY "2" INC			06/12/2018	06/12/2023
DOL	DOL	*****1143	CARMODY BUILDING CORP	CARMODY CONTRACTIN G AND CARMODY CONTRACTIN G CORP.	442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY CONCRETE CORPORATION			06/12/2018	06/12/2023
DOL	DOL		CARMODY ENTERPRISES, LTD.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY INC		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****3812	CARMODY INDUSTRIES INC			06/12/2018	06/12/2023
DOL	DOL		CARMODY MAINTENANCE CORPORATION		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY MASONRY CORP		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	NYC	*****9172	CASSIDY EXCAVATING INC		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	DOL	*****8809	CBE CONTRACTING CORP		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022

**NYS DOL Bureau of Public Work Debarment List 02/03/2020**

**Article 8**

DOL	AG		CESAR J. AGUDELO		81-06 34TH AVENUE APT. 6E JACKSON HEIGHTS NY 11372	02/07/2018	02/07/2023
DOL	DOL	*****7655	CHAMPION CONSTRUCTION SERVICES CORP		2131 SCHENECTADY AVENUE BROOKLYN NY 11234	11/18/2015	11/18/2020
DOL	NYC		CHARLES CASSIDY JR		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	DOL		CHARLES ZIMMER JR		216 WESTBROOK STREET P O BOX 304 SAYRE PA 18840	08/09/2016	08/09/2021
DOL	DOL		CHRISTINE J HEARNE		C/O CJ-HEARNE CONSTRUCTIO 131 PONCE DE LEON AVE NEATLANTA GA 30308	12/01/2015	12/01/2020
DOL	DOL		CHRISTOPHER J MAINI		19 CAITLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	DOL		CHRISTOPHER PAPASTEFANOU A/K/A CHRIS PAPASTEFANOU		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL	*****0671	CJ-HEARNE CONSTRUCTION CO		SUITE 204 131 PONCE DE LEON AVENUE ATLANTA GA 30308	12/01/2015	12/01/2020
DOL	DOL	*****1927	CONSTRUCTION PARTS WAREHOUSE, INC.	CPW	5841 BUTTERNUT ROAD EAST SYRACUSE NY 13057	09/12/2018	09/12/2023
DOL	NYC	*****2164	CREATIVE TRUCKING INC		58-83 54TH STREET MASPETH NY 11378	02/26/2016	02/26/2021
DOL	DOL	*****2524	CSI ELECTRICAL & MECHANICAL INC		42-32 235TH ST DOUGLSTON NY 11363	01/14/2019	01/14/2024
DOL	DOL	*****7761	D L MALARKEY CONSTRUCTION		64 VICTORIA DRIVE BINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DOL	*****7888	D L MALARKEY CONSTRUCTION INC		64 VICTORIA DRIVE BINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DOL	*****5629	DAKA PLUMBING AND HEATING LLC		2561 ROUTE 55 POUGHQUAG NY 12570	02/19/2016	02/19/2021
DOL	NYC		DALJIT KAUR BOPARAI		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	DOL		DANICA IVANOSKI		61 WILLETT ST. PASSAIC NJ 07503	10/26/2016	10/26/2021
DOL	DOL		DARIAN L COKER		2610 SOUTH SALINA ST SUITE 2C SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	DOL		DARYL T RIEKS		C/O RIEKS CONTRACTING LLC 4804 GAHWILER ROAD AUBURN NY 13021	05/01/2015	05/01/2020
DOL	NYC	*****7707	DASSLE CONTRACTING INC		213-37 39TH AVE/SUITE 120 BAYSIDE NY 11360	05/08/2015	05/08/2020
DOL	DOL		DAVID MARTINEZ		C/O EMPIRE TILE INC 6 TREMONT COURTHUNTINGTON STATION NY 11746	03/08/2016	03/08/2021
DOL	NYC		DAVID WEINER		14 NEW DROP LANE 2ND FLOOR STATEN ISLAND NY 10306	11/14/2019	11/14/2024
DOL	DOL		DEBBIE STURDEVANT		29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022
DOL	AG		DEBRA MARTINEZ		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL		DEDA GAZIVODAN		C/O DAKA PLUMBING AND H 2561 ROUTE 55 POUGHQUAG NY 12570	02/19/2016	02/19/2021
DOL	DOL		DELPHI PAINTING & DECORATING CO INC		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL		DENNIS SCHWANDTNER		C/O YES SERVICE AND REPAIR 145 LODGE AVE HUNTINGTON STATION NY 11476	08/09/2016	08/09/2021
DOL	DOL		DF CONTRACTORS OF ROCHESTER, INC.		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	DOL		DF CONTRACTORS, INC.		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
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	NYC		DIMITRIOS TSOUMAS		35-12 19TH AVENUE ASTORIA NY 11105	08/02/2017	08/02/2022
DOL	DOL	*****3242	DONALD R. FORSAY	DF LAWN SERVICE	1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	DOL		DONALD R. FORSAY		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022

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DOL	DOL		DORIS SKODA		C/O APCO CONTRACTING CORP 24 SOUTH MARYLAND AVENUE PORT WASHINGTON NY 11050	09/24/2012	09/02/2020
DOL	NYC	*****7404	DOSANJH CONSTRUCTION CORP		9439 212TH STREET QUEENS VILLAGE NY 11428	02/25/2016	02/25/2021
DOL	DOL		DOUGLAS L MALARKEY	MALARKEY CONSTRUCTION	64 VICTORIA DRIVE B INGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	NYC		DUARTE LOPES		66-05 WOODHAVEN BLVD. STE 2REGO PARK NY 11374	04/20/2017	04/20/2022
DOL	DOL		E C WEBB		6409 LAND O LAKES BLVD LAND O LAKES FL 34638	11/10/2015	11/10/2020
DOL	DOL		EARL L WILSON	WILSON BROTHER DRYWALL CONTRACTORS	36 ABERSOLD STREET ROCHESTER NY 14621	08/31/2015	08/31/2020
DOL	DOL		EAST COAST PAVING		2238 BAKER RD GILLETT PA 16923	03/12/2018	03/12/2023
DOL	NYC	*****4269	EAST PORT EXCAVATION & UTILITIES		601 PORTION RD RONKONKOMA NY 11779	11/18/2016	11/18/2021
DOL	DOL	*****0780	EMES HEATING & PLUMBING CONTR		5 EMES LANE MONSEY NY 10952	01/20/2002	01/20/3002
DOL	DOL	*****3270	EMPIRE TILE INC		6 TREMONT COURT HUNTINGTON STATION NY 11746	03/08/2016	03/08/2021
DOL	NYC	*****5917	EPOCH ELECTRICAL, INC		97-18 50TH AVE CORONA NY 11368	04/19/2019	04/19/2024
DOL	DOL	*****7403	F & B PAINTING CONTRACTING INC		2 PARKVIEW AVENUE HARRISON NY 10604	09/26/2016	09/26/2021
DOL	DOL		FAIGY LOWINGER		11 MOUNTAIN RD 28 VAN BUREN DR MONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL		FAY MATTHEW		C/O CHAMPION CONSTRUCTION 2131 SCHENECTADY AVENUE BROOKLYN NY 11234	11/18/2015	11/18/2020
DOL	DOL		FAZIA GINA ALI-MOHAMMED	C/O CHAMPION CONSTRUCTION	2131 SCHENECTADY AVENUE BROOKLYN NY 11234	11/18/2015	11/18/2020
DOL	DOL		FRANK BENEDETTO		19 CATLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	DOL		FRANK BENEDETTO		C/O F & B PAINTING CONTRA 2 PARKVIEW AVENUE HARRISON NY 10604	09/26/2016	09/26/2021
DOL	DOL	*****4722	FRANK BENEDETTO AND CHRISTOPHER J MAINI	B & M CONCRETE	19 CAITLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	NYC		FRANK MAINI		1766 FRONT ST YORKTOWN HEIGHTS NY 10598	01/09/2018	01/09/2023
DOL	NYC	*****6616	G & G MECHANICAL ENTERPRISES, LLC.		1936 HEMPSTEAD TURNPIKE EAST MEDOW NY 11554	11/29/2019	11/29/2024
DOL	DOL		GABRIEL FRASSETTI			04/10/2019	04/10/2024
DOL	DOL		GALINDA ROTENBERG		C/O GMDV TRANS INC 67-48 182ND STREET FRESH MEADOWS NY 11365	06/24/2016	06/24/2021
DOL	DOL		GEOFF CORLETT		415 FLAGGER AVE #302 STUART FL 34994	10/31/2018	10/31/2023
DOL	DA		GEORGE LUCEY		150 KINGS STREET BROOKLYN NY 11231	01/19/1998	01/19/2998
DOL	DOL		GIGI SCHNECKENBURGER		261 MILL RD EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	NYC	*****3164	GLOBE GATES INC	GLOBAL OVERHEAD DOORS	405 BARRETTO ST BRONX NY 10474	05/31/2018	05/31/2023
DOL	DOL	*****5674	GMDV TRANS INC		67-48 182ND STREET FRESH MEADOWS NY 11365	06/24/2016	06/24/2021
DOL	NYC		GREAT ESTATE CONSTRUCTION, INC.		327 STAGG ST BROOKLYN NY 11206	10/10/2017	10/10/2022
DOL	DOL		GREGORY S. OLSON		P.O BOX 100 200 LATTA BROOK PARKHORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	NYC		HARMEL SINGH		15 CLINTON LANE HICKSVILLE NY 11801	02/25/2016	02/25/2021
DOL	NYC		HAROLD KUEMMEL		58-83 54TH STREET MASPETH NY 11378	02/26/2016	02/26/2021

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DOL	NYC	*****3228	HEIGHTS ELEVATOR CORP.		1766 FRONT ST YORKTOWN HEIGHTS NY 10598	01/09/2018	01/09/2023
DOL	DOL		HENRY VAN DALRYMPLE		2663 LANTERN LANE ATLANTA GA 30349	12/01/2015	12/01/2020
DOL	DOL	*****8282	IDEMA DEVELOPMENT INC		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	DOL	*****8282	IDEMA GENERAL CONTRACTORS INC		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	DOL	*****7001	INTEGRATED CONSTRUCTION & POWER SYSTEMS INC		SUITE 100 2105 W GENESEE STREETS YRACUSE NY 13219	01/06/2016	01/06/2021
DOL	DOL	*****5131	INTEGRITY MASONRY, INC.	M&R CONCRETE	722 8TH AVE WATERVLIET NY 12189	06/05/2018	06/05/2023
DOL	DOL		IRENE KASSELIS		32 PENNINGTON AVE WALDWICK NJ 07463	05/30/2019	05/30/2024
DOL	AG		J A M CONSTRUCTION CORP		SUITE 125 265 SUNRISE HIGHWAY ROCKVILLE CENTRE NY 10457	04/07/2016	04/07/2021
DOL	DOL		J.A. HIRES CADWALLADER		P.O BOX 100 200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL		JAMES B RHYNDERS		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	DOL		JAMES C. DELGIACCO		722 8TH AVE WATERVLIET NY 12189	06/05/2018	06/05/2023
DOL	DOL		JAMES E RHYNDERS		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	AG		JAMES FALCONE		SUITE 125 265 SUNRISE HIGHWAY ROCKVILLE CENTRE NY 10457	04/07/2016	04/07/2021
DOL	DOL		JAMES LIACONE		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		JAMES RACHEL		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		JAMES RHYNDERS SR		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	DOL		JAMES SICKAU		3090 SHIRLEY ROAD NORTH COLLINS NY 14111	04/19/2011	07/08/2020
DOL	DOL		JASON W MILLIMAN		C/O ROCHESTER ACOUSTICAL P O BOX 799 HILTON NY 14468	02/19/2016	02/19/2021
DOL	DOL	*****5368	JCH MASONRY & LANDSCAPING INC.		35 CLINTON AVE OSSINING NY 10562	09/12/2018	09/12/2023
DOL	NYC		JEFFREY CASSIDY		14 RAILROAD AVENUE VALHALLA NY 10595	05/15/2014	04/02/2020
DOL	NYC		JENNIFER GUERRERO		1936 HEMPSTEAD TURNPIKE EAST MEADOW NY 11554	11/29/2019	11/29/2024
DOL	DOL		JESSICA WHITESIDE		C/O BRRESTORATION NY INC 140 ARCADIA AVENUE OSWEGO NY 13126	09/12/2016	09/12/2021
DOL	AG		JOHN ANTHONY MASSINO		36-49 204TH STREET BAYSIDE NY 11372	02/07/2018	02/07/2023
DOL	DOL		JOHN F. CADWALLADER		200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL	*****4612	JOHN F. CADWALLADER, INC.	THE GLASS COMPANY	P.O BOX 100 200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL		JOHN GOCEK		14B COMMERCIAL AVE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	AG	*****0600	JOHNCO CONTRACTING, INC.		36-49 204TH STREET BAYSIDE NY 11372	02/07/2018	02/07/2023
DOL	DOL		JON E DEYOUNG		261 MILL RD P.O BOX 296 EAST AURORA NY 14052	07/29/2015	07/29/2020
DOL	DOL		JON E DEYOUNG		261 MILL RD P.O BOX 296 EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	DOL		JORI PEDERSEN		415 FLAGER AVE #302 STUART FL 34994	10/31/2018	10/31/2023
DOL	DOL		JOSE CHUCHUCA		35 CLINTON AVE OSSINING NY 10562	09/12/2018	09/12/2023
DOL	DOL		JOSE MONTAS		27 BUTLER PLACE YONKERS NY 10710	03/18/2011	03/19/2020



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DOL	AG		JOSEPH FALCONE	SUITE 125 265 SUNRISE HIGHWAY ROCKVILLE CENTRE NY 10457	04/07/2016	04/07/2021
DOL	NYC		JOSEPH FOLEY	66-05 WOODHAVEN BLVD. STE 2 REGO PARK NY 11374	04/20/2017	04/20/2022
DOL	DOL	*****9273	JOSEPH M LOVETRO	P O BOX 812 BUFFALO NY 14220	08/09/2016	08/09/2021
DOL	NYC		JOSEPH MARTINO	1535 RICHMOND AVENUE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	DOL		JOSEPH MARTONE	112 OSCAWANA HEIGHTS RD PUTNAM VALLEY NY 10542	03/13/2015	03/13/2020
DOL	DOL		JOY MARTIN	2404 DELAWARE AVE NIGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	DOL		JUANA MARTINEZ	C/O LEAD CONSTRUCTION 27 BUTLER PLACE YONKERS NY 10710	03/19/2015	03/19/2020
DOL	DOL		JULIUS AND GITA BEHREND	5 EMES LANE MONSEY NY 10952	11/20/2002	11/20/3002
DOL	DOL	*****5062	K R F SITE DEVELOPMENT INC	375 LAKE SHORE DRIVE PUTNAM VALLEY NY 10579	01/23/2017	01/23/2022
DOL	NYC		K.S. CONTRACTING CORP.	29 PHILLIP DRIVE PARSIPPANY NJ 07054	02/13/2017	02/13/2022
DOL	DOL		KATIE BURDICK	2238 BAKER RD GILLETT PA 16923	03/12/2018	03/12/2023
DOL	DOL		KENNETH FIORENTINO	375 LAKE SHORE DRIVE PUTNAM VALLEY NY 10579	01/23/2017	01/23/2022
DOL	DOL	*****9732	KENT HOLLOW SIDING LLC	29A BRIDGE STREET NEW MILFORD CT 06776	01/15/2016	01/15/2021
DOL	DOL		KIM SOROCENSKI	C/O SOLUTION MATTERS INC 198 NORWOOD ROADPORT JEFFERSON NY 11776	11/19/2015	11/19/2020
DOL	DOL	*****3490	L & M CONSTRUCTION/DRYWALL INC.	1079 YONKERS AVE YONKERS NY 10704	08/07/2018	08/07/2023
DOL	DA	*****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	AG	*****4643	LALO DRYWALL, INC.	221 OLD FORD ROAD NEW PLATZ NY 12561	05/20/2016	05/20/2021
DOL	DOL	*****4505	LARAPINTA ASSOCIATES INC	29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022
DOL	DOL		LAURI MARTONE	112 OSCAWANA HEIGHTS RD PUTNAM VALLEY NY 10542	03/13/2015	03/13/2020
DOL	DOL		LAVERN GLAVE	161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	DOL	*****1364	LEAD CONSTRUCTION SERVICES INC	3 ALAN B SHEPARD PLACE YONKERS NY 10705	03/19/2015	03/19/2020
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	06/24/2016	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	06/24/2016	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	01/17/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC	PO BOX 10007 ALBANY NY 12201	08/14/2017	09/19/2022
DOL	DOL		LEROY NELSON JR	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR	PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR	PO BOX 10007 ALBANY NY 12201	08/14/2017	08/14/2022

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DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	01/17/2017	09/19/2022
DOL	DA	*****4460	LONG ISLAND GLASS & STOREFRONTS, LLC		4 MANHASSET TRL RIDGE NY 11961	09/06/2018	09/06/2023
DOL	AG	*****4216	LOTUS-C CORP.		81-06 34TH AVENUE APT. 6E JACKSON HEIGHTS NY 11372	02/07/2018	02/07/2023
DOL	NYC		LUBOMIR PETER SVOBODA		27 HOUSMAN AVE STATEN ISLAND NY 10303	12/26/2019	12/26/2024
DOL	AG		LUIS MARTINEZ	LALO DRYWALL	211 MAIN ST. NEW PALTZ NY 12561	05/20/2016	05/20/2021
DOL	NYC		M & L STEEL & ORNAMENTAL IRON CORP.		27 HOUSMAN AVE STATEN ISLAND NY 10303	12/26/2019	12/26/2024
DOL	DOL		M ANVER BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	AG	*****6957	M B DIN CONSTRUCTION INC		8831 20TH AVENUE/SUITE 6E BROOKLYN NY 11214	11/17/2015	11/17/2020
DOL	NYC	*****6317	M S QUALITY CONSTRUCTION LLC		27 MAPLEWOOD AVENUE COLONIA NJ 07067	02/04/2015	02/04/2020
DOL	DOL		M. ANVER BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	NYC		MACIEJ SONTOWSKI		27 MAPLEWOOD AVENUE COLONIA NJ 07067	02/04/2015	02/04/2020
DOL	NYC	*****9590	MACK GLASSNAUTH IRON WORKS INC		137 LIBERTY AVENUE BROOKLYN NY 11212	12/21/2015	12/21/2020
DOL	DOL	*****1784	MADISON AVE CONSTRUCTION CORP		39 PENNY STREET WEST ISLIP NY 11795	11/02/2016	11/02/2021
DOL	DOL		MALARKEY'S BAR & GRILL LLC		64 VICTORIA DRIVE BINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DOL	*****0705	MALARKEY'S PUB & GRUB LLC		64 VICTORIA DRIVE BINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DA		MANUEL P TOBIO		150 KINGS STREET BROOKLYN NY 14444	08/19/1998	08/19/2998
DOL	DA		MANUEL TOBIO		150 KINGS STREET BROOKLYN NY 11231	08/19/1998	08/19/2998
DOL	NYC		MAREK FABIJANOWSKI		50 MAIN ST WHITE PLAINS NY 10606	01/04/2019	01/04/2024
DOL	DOL		MARIACHI'S PIZZERIA		C/O DOUGLAS L MALARKEY 64 VICTORIA DRIVE BINGHAMTON NY 13904	02/04/2016	02/04/2021
DOL	DOL		MARK MIONIS		6409 LAND O LAKES BLVD LAND O LAKES FL 34638	11/10/2015	11/10/2020
DOL	NYC		MARTINE ALTER		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	DOL		MARVIN A STURDEVANT		29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022
DOL	DOL		MASONRY CONSTRUCTION, INC.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****3333	MASONRY INDUSTRIES, INC.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	NYC		MATINA KARAGIANNIS		97-18 50TH AVE CORONA NY 11368	04/19/2018	04/19/2023
DOL	DOL		MATTHEW IDEMA GENERAL CONTRACTORS INC		91 COLLEGE AVENUE POUGHKEEPSIE NY 12603	12/04/2015	12/04/2020
DOL	DOL		MATTHEW P. KILGORE		4156 WILSON ROAD EAST TABERG NY 13471	03/26/2019	03/26/2024
DOL	DOL		MAURICE GAWENO		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****6416	MCCALL MASONRY		P O BOX 304 SAYRE PA 18840	08/09/2016	08/09/2021
DOL	DOL		MCLEAN "MIKKI BEANE"		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL		MCLEAN "MIKKI" DRAKE		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL		MCLEAN M DRAKE-BEANE		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL	*****9445	MCLEAN M WALSH	ELITE PROFESSION AL PAINTING OF CNY	1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL	*****9445	MCLEAN M WALSH	ELITE PROFESSION AL PAINTING OF CNY	1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	NYC	*****5330	METRO DUCT SYSTEMS INC		1219 ASTORIA BOULEVARD LONG ISLAND CITY NY 11102	04/16/2014	11/19/2020

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DOL	DOL		MICHAEL A PASCARELLA		SUITE 100 2105 WEST GENESEE STREET SYRACUSE NY 13219	01/06/2016	01/06/2021
DOL	NYC		MICHAEL HIRSCH		C/O MZM CORP 163 S MAIN STREET NEW CITY NY 10956	01/28/2016	01/28/2021
DOL	DOL		MICHAEL LENIHAN		1079 YONKERS AVE UNIT 4 YONKERS NY 10704	08/07/2018	08/07/2023
DOL	AG		MICHAEL RIGLIETTI		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL		MICHAEL WILSON	WILSON BROTHER DRYWALL CONTRACTORS	36 ABERSOLD STREET ROCHESTER NY 14621	08/31/2015	08/31/2020
DOL	NYC		MILANCE HADZIC		22 CALIFORNIA AVE - STE 1 PATERSON NJ 07503	03/11/2015	03/11/2020
DOL	DOL	****4829	MILESTONE ENVIRONMENTAL CORPORATION		704 GINESI DRIVE SUITE 29 MORGANVILLE NJ 07751	04/10/2019	04/10/2024
DOL	NYC	****9926	MILLENNIUM FIRE PROTECTION, LLC		325 W. 38TH STREET SUITE 204 NEW YORK NY 10018	11/14/2019	11/14/2024
DOL	NYC	****0627	MILLENNIUM FIRE SERVICES, LLC		14 NEW DROP LNE 2ND FLOOR STATEN ISLAND NY 10306	11/14/2019	11/14/2024
DOL	AG		MOHAMMED N CHATHA		8831 20TH AVENUE/SUITE 6E BROOKLYN NY 11214	11/17/2015	11/17/2020
DOL	DOL	****2737	MOUNTAIN'S AIR INC		2471 OCEAN AVENUE- STE 7A BROOKLYN NY 11229	09/24/2012	09/18/2020
DOL	NYC	****3826	MOVING MAVEN OF NY, INC.		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	NYC	****3550	MOVING MAVEN, INC		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	AG		MSR ELECTRICAL CONSTRUCTION CORP.		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL		MUHAMMAD BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	DOL		MUHAMMAD BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	DOL		MUHAMMAD PERVAIZ		C/O CHAMPION CONSTRUCTION 2131 SCHENECTADY AVENUE BROOKLYN NY 11234	11/18/2015	11/18/2020
DOL	NYC	****3613	MZM CORP		163 S MAIN STREET NEW CITY NY 10956	01/28/2016	01/28/2021
DOL	DA	****9786	NATIONAL INSULATION & GC CORP		180 MILLER PLACE HICKSVILLE NY 11801	12/12/2018	12/12/2023
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	NYC	****4839	NEW YORK RIGGING CORP		58-83 54TH STREET MASPETH NY 11378	02/26/2016	02/26/2021
DOL	NYC	****1968	NORTH AMERICAN IRON WORKS INC		1560 DECATUR STREET RIDGWOOD NY 11385	05/15/2015	05/15/2020
DOL	DOL	****6966	NORTH COUNTRY DRYWALL AND PAINT		23167 COUNTY ROUTE 59 DEXTER NY 13634	10/24/2016	10/24/2021
DOL	DOL	****0065	NORTHEAST LANDSCAPE AND MASONRY ASSOC		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10523	01/23/2017	01/23/2022
DOL	DOL	****1845	OC ERECTERS, LLC A/K/A OC ERECTERS OF NY INC.		1207 SW 48TH TERRACE DEERFIELD BEACH FL 33442	01/16/2018	01/16/2023
DOL	NYC	****0818	ONE TEN RESTORATION, INC.		2366 61ST ST BROOKLYN NY 11204	12/15/2016	12/15/2021
DOL	NYC		ORSON ARROYO		C/O METRO DUCT SYSTEMS 12-19 ASTORIA BOULEVARD LONG ISLAND CITY NY 11102	04/16/2014	11/19/2020
DOL	NYC		PARESH SHAH		29 PHILLIP DRIVE PARSIPPANY NJ 07054	02/13/2017	02/13/2022
DOL	NYC	****9422	PELIUM CONSTRUCTION, INC.		22-33 35TH ST. ASTORIA NY 11105	12/30/2016	12/30/2021
DOL	DOL		PETER M PERGOLA		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10523	01/23/2017	01/23/2022
DOL	DOL		PIERRE LAPORT		224 COUNTY HIGHWAY 138 BROADALBIN NY 12025	03/07/2017	03/07/2022
DOL	DOL	****1543	PJ LAPORT FLOORING INC		224 COUNTY HIGHWAY 138 BROADALBIN NY 12025	03/07/2017	03/07/2022

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DOL	NYC	*****4532	PROFESSIONAL PAVERS CORP.		66-05 WOODHAVEN BLVD. REGO PARK NY 11374	04/20/2017	04/20/2022
DOL	DOL	*****6895	PROLINE CONCRETE OF WNY INC		3090 SHIRLEY ROAD NORTH COLLINS NY 14111	04/19/2011	07/08/2020
DOL	DA	*****6817	QUADRANT METAL BUILDINGS LLC		2740 SW MARTIN DOWNS BLVD PALM CITY FL 34990	08/25/2016	08/25/2021
DOL	NYC		RAMESHWAR ASU		137 LIBERTY AVENUE BROOKLYN NY 11212	12/21/2015	12/21/2020
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 CIRCLE MIDDLETOWN NY 10940	01/30/2018	01/30/2023
DOL	AG	*****7015	RCM PAINTING INC.		69-06 GRAND AVENUE 2ND FLOOR MASPETH NY 11378	02/07/2018	02/07/2023
DOL	DOL		REGINALD WARREN		161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	NYC	*****3461	RELIANCE GENERAL CONSTRUCTION INC		644 OCEAN PARKWAY BROOKLYN NY 11230	09/02/2015	09/02/2020
DOL	DA		RIANN MULLER		2740 SW MARTIN DOWNS BLVD PALM CITY FL 34990	08/25/2016	08/25/2021
DOL	DOL	*****9148	RICH T CONSTRUCTION		107 WILLOW WOOD LANE CAMILLUS NY 13031	11/13/2018	11/13/2023
DOL	DOL		RICHARD MACONE		8617 THIRD AVE BROOKLYN NY 11209	09/17/2018	09/17/2023
DOL	DOL	*****9148	RICHARD TIMIAN	RICH T CONSTRUCTION	108 LAMONT AVE SYRACUSE NY 13209	10/16/2018	10/16/2023
DOL	DOL		RICHARD TIMIAN JR.		108 LAMONT AVE SYRACUSE NY 13209	10/16/2018	10/16/2023
DOL	DOL		RICHARD TIMIAN JR.		108 LAMONT AVE SYRACUSE NY 13209	11/13/2018	11/13/2023
DOL	DOL	*****8618	RIEKS CONTRACTING LLC		4804 GAHWILER ROAD AUBURN NY 13021	05/01/2015	05/01/2020
DOL	DOL		ROBBYE BISSESAR		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	01/11/2003	01/11/3003
DOL	DOL		ROBERT A. VALERINO		3841 LANYARD COURT NEW PORT RICHEY FL 34652	07/09/2019	07/09/2024
DOL	DOL		ROBERT BRUNO		3 GAYLORD ST AUBURN NY 13021	11/15/2016	11/15/2021
DOL	DOL		ROBERT BRUNO		5 MORNINGSIDE DRIVE AUBURN NY 13021	05/28/2019	05/28/2024
DOL	NYC		ROBERT HOHMAN		149 FIFTH AVE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	DOL		ROBERT TORDELLA		125 CHAUTAUQUA AVENUE LAKEWOOD NY 14750	06/24/2015	06/24/2020
DOL	DOL	*****3859	ROCHESTER ACOUSTICAL CORP		P O BOX 799 HILTON NY 14468	02/19/2016	02/19/2021
DOL	DOL		RODERICK PUGH		404 OAK ST SUITE 101 SYRACUSE NY 13203	07/23/2018	07/23/2023
DOL	DOL	*****4880	RODERICK PUGH CONSTRUCTION INC.		404 OAK ST SUITE 101 SYRACUSE NY 13203	07/23/2018	07/23/2023
DOL	NYC		RODNEY SCOTT		201 HEMPSTEAD AVE WEST HEMPSTEAD NY 11552	10/30/2015	10/30/2020
DOL	DOL		ROMEO WARREN		161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	DOL		RONALD MESSEN		14B COMMERCIAL AVE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	DOL		ROSEANNE CANTISANI			06/12/2018	06/12/2023
DOL	DOL		RYAN ALBIE		21 S HOWELLS POINT ROAD BELLPORT NY 11713	02/21/2017	02/21/2022
DOL	DOL	*****3347	RYAN ALBIE CONTRACTING INC		21 S HOWELLS POINT ROAD BELLPORT NY 11713	02/21/2017	02/21/2022
DOL	DOL	*****1365	S & L PAINTING, INC.		11 MOUNTAIN ROAD P.O BOX 408 MONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL	*****7730	S C MARTIN GROUP INC.		2404 DELAWARE AVE NIAGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	NYC		SABIR MUHAMMED		SUITE B-8 782 PELHAM PARKWAY SOUTHBRONX NY 10462	04/21/2016	04/21/2021
DOL	DOL		SALVATORE A FRESINA			08/26/2016	08/26/2021

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DOL	DOL		SAM FRESINA			08/26/2016	08/26/2021
DOL	NYC	*****0349	SAM WATERPROOFING INC		168-42 88TH AVENUE APT.1 AJAMAICA NY 11432	11/20/2019	11/20/2024
DOL	NYC		SANDEEP BOPARAI		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	NYC	*****2117	SCOTT ELECTRICAL SERVICE, LLC.		201 HEMPSTEAD AVE WEST HEMPSTEAD NY 11552	10/30/2015	10/30/2020
DOL	DOL	*****9751	SCW CONSTRUCTION		544 OLD ROUTE 23 ACRE NY 12405	02/14/2017	02/14/2022
DOL	AG		SERGIO RAYMUNDO		109 DUBOIS RD. NEW PALTZ NY 12561	05/20/2016	05/20/2021
DOL	NYC	*****6597	SHAIRA CONSTRUCTION CORP.		421 HUDSON STREET SUITE C5NEW YORK NY 10014	02/20/2019	02/20/2024
DOL	DOL	*****1961	SHANE BURDICK	CENTRAL TRAFFIC CONTROL, LLC.	2238 BAKER ROAD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DOL		SHANE BURDICK		2238 BAKER ROAD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DOL		SHANE NOLAN		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		SHULEM LOWINGER		11 MOUNTAIN ROAD 28 VAN BUREN DRMONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL	*****0816	SOLAR ARRAY SOLUTIONS, LLC		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL	*****4025	SOLUTION MATTERS INC		198 NORWOOD ROAD PORT JEFFERSON NY 11776	11/19/2015	11/19/2020
DOL	DOL	*****3496	STAR INTERNATIONAL INC		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	08/11/2003	08/11/3003
DOL	DOL	*****6844	STEAM PLANT AND CHX SYSTEMS INC.		14B COMMERCIAL AVENUE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	DOL	*****9933	STEED GENERAL CONTRACTORS, INC.		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL		STEFANOS PAPASTEFANOU, JR. A/K/A STEVE PAPASTEFANOU, JR.		256 WEST SADDLE RIVER RD UPPER SADDLE RIVER NJ 07458	05/30/2019	05/30/2024
DOL	DOL	*****9751	STEPHEN C WAGAR		544 OLD ROUTE 23 ACRE NY 12405	02/14/2017	02/14/2022
DOL	DOL		STEVE TATE		415 FLAGER AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	NYC		STEVEN GOVERNALE		601 PORTION RD RONKONKOMA NY 11779	11/18/2016	11/18/2021
DOL	DOL		STEVEN MARTIN		2404 DELWARE AVE NIAGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	DOL		STEVEN P SUCATO		15-68 208TH STREET BAYSIDE NY 11360	06/23/2016	06/23/2021
DOL	DOL		STEVEN TESTA		50 SALEM STREET - BLDG B LYNNFIELD MA 01940	01/23/2017	01/23/2022
DOL	NYC	*****9432	SUBLINK LTD		346 THIRD AVENUE PELHAM NY 10803	11/19/2015	11/19/2020
DOL	NYC	*****5863	SUKHMANY CONSTRUCTION, INC.		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	DOL	*****1060	SUNN ENTERPRISES GROUP, LLC		370 W. PLEASANTVIEW AVE SUITE 2.329HACKENSACK NJ 07601	02/11/2019	02/11/2024
DOL	DOL	*****8209	SYRACUSE SCALES, INC.		158 SOLAR ST SYRACUSE NY 13204	01/07/2019	01/07/2024
DOL	DOL	*****7441	T & T CONCRETE INC		2560 HAMBURG TURNPIKE P O BOX 367LACKAWANNA NY 14218	07/08/2015	07/08/2020
DOL	DOL		TALAILA OCAMPA		1207 SW 48TH TERRACE DEERFIELD BEACH FL 33442	01/16/2018	01/16/2023
DOL	DOL	*****9852	TAP STEEL INC		ROUTE 26 3101 P O BOX 457CONSTABLEVILLE NY 13325	01/28/2016	01/28/2021
DOL	DOL	*****5570	TESTA CORP		50 SALEM STREET - BLDG B LYNNFIELD MA 01940	01/23/2017	01/23/2022
DOL	DOL	*****0887	THE BRINSON PAINTING CORPORATION		72 TAUNTON PLACE BUFFALO NY 14216	04/14/2015	04/14/2020
DOL	DOL	*****5766	THE COKER CORPORATION	COKER CORPORATIO N	2610 SOUTH SALINA ST SUITE 14SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	DOL	*****8174	THE DALRYMPLE CORPORATION		UNIT 278 541 10TH STREET NWLANTA GA 30318	12/01/2015	12/01/2020

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DOL	DOL	*****8174	THE DALRYMPLE GROUP LLC		289 JONESBORO RD/ STE 216 MCDONOUGH GA 30253	12/01/2015	12/01/2020
DOL	DOL		TIMOTHY A PALUCK		C/O TAP STEEL INC RTE 26 3101/ P O BOX 457CONSTABLEVILLE NY 13325	01/28/2016	01/28/2021
DOL	DOL	*****3453	TORCHIA'S HOME IMPROVEMENT		10153 ROBERTS RD SAUQUOIT NY 13456	08/09/2016	08/09/2021
DOL	DOL	*****8311	TRIPLE B FABRICATING, INC.		61 WILLET ST. PASSAIC NJ 07503	10/26/2016	10/26/2021
DOL	DOL	*****9407	TURBO GROUP INC		15-68 208TH STREET BAYSIDE NY 11360	06/23/2016	06/23/2021
DOL	DOL	*****6392	V.M.K CORP.		8617 THIRD AVE BROOKLYN NY 11209	09/17/2018	09/17/2023
DOL	NYC		VALERIE VISCONTI		346 THIRD AVENUE PELHAM NY 10803	11/19/2015	11/19/2020
DOL	NYC	*****7361	VIABLE HOLDINGS, INC.	MOVING MAVEN	1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	DOL		VICTOR ALICANTI		42-32 235TH ST DOUGLSTON NY 11363	01/14/2019	01/14/2024
DOL	DOL		VICTOR ROTENBERG		C/O GMDV TRANS INC 67048 182ND STREETFRESH MEADOWS NY 11365	06/24/2016	06/24/2021
DOL	NYC		VIKTAR PATONICH		2630 CROPSEY AVE BROOKLYN NY 11214	10/30/2018	10/30/2023
DOL	NYC		VITO GARGANO		1535 RICHMOND AVE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	NYC	*****3673	WALTERS AND WALTERS, INC.		465 EAST AND THIRD ST MT. VERNON NY 10550	09/09/2019	09/09/2024
DOL	DOL		WAYNE LIVINGSTON JR	NORTH COUNTRY DRYWALL AND PAINT	23167 COUNTY ROUTE 59 DEXTER NY 13634	10/24/2016	10/24/2021
DOL	DOL	*****3296	WESTERN NEW YORK CONTRACTORS, INC.		3841 LAYNARD COURT NEW PORT RICHEY FL 34652	07/09/2019	07/09/2024
DOL	DOL		WHITE PLAINS CARPENTRY CORP		442 ARMONK RD	06/12/2018	06/12/2023
DOL	DOL		WILLIAM C WATKINS		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL		WILLIAM DEAK		C/O MADISON AVE CONSTR CO 39 PENNY STREETWEST ISLIP NY 11795	11/02/2016	11/02/2021
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	DOL	*****4043	WINDSHIELD INSTALLATION NETWORK, INC.		200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL	*****4730	XGD SYSTEMS, LLC	TDI GOLF	415 GLAGE AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	DOL	*****7345	YES SERVICE AND REPAIRS CORPORATION		145 LODGE AVE HUNTINGTON STATION NY 11476	08/09/2016	08/09/2021
DOL	DOL		YURIY IVANIN		C/O MOUNTAIN'S AIR INC 2471 OCEAN AVENUE-STE 7ABROOKLYN NY 11229	09/24/2012	09/18/2020
DOL	NYC		ZAKIR NASEEM		30 MEADOW ST BROOKLYN NY 11206	10/10/2017	10/10/2022
DOL	NYC	*****8277	ZHN CONTRACTING CORP		30 MEADOW ST BROOKLYN NY 11206	10/10/2017	10/10/2022



# Plattsburgh, New York

Kevin R. Farrington, P.E.  
City Engineer

Engineering & Planning Dept.  
41 City Hall Place  
Plattsburgh, New York 12901  
518-563-7730  
Fax: 518-563-3645

## MASTER LIST OF OPERATORS OF UNDERGROUND FACILITIES IN THE

### CITY OF PLATTSBURGH, NEW YORK

ANY PERSON WHO PROPOSES TO PERFORM IN THE COURSE OF HIS TRADE OR BUSINESS ANY EXCAVATION OR DEMOLITION OPERATION IN THE CITY OF PLATTSBURGH SHALL NOTIFY ALL THE FOLLOWING OPERATORS OF UNDERGROUND FACILITIES (according to the requirements of Industrial Code Rule No. 53) in order to ascertain the location of any such facilities in the proposed work area.

<u>OPERATOR</u>	<u>CONTACT</u>
1. Public Works Dept. 215 Idaho Avenue Plattsburgh, NY	Arsene Brodi Superintendent Public Works Department (518) 563-1120
2. Municipal Lighting Dept. 6 Miller St. Plattsburgh, NY	Bill Treacy Manager (518) 563-2200
3. Verizon 5002 South Catherine St. Plattsburgh, NY	Underground Facilities Information Center Management Center Foreman (800) 962-7962
4. New York State Electric & Gas 4125 Route 22 Plattsburgh, NY	(518) 566 9846
5. Charter Communication 63 Bridge Street Plattsburgh, NY	Dan Rushford (518) 563-6062
6. State University College 101 Broad Street Plattsburgh, NY	Director of Facilities Management (518) 564-5016
7. New York State Department of Transportation 81 South Peru St. Plattsburgh, NY	Resident Engineer (518) 563-2020

MASTER LIST OF OPERATORS OF UNDERGROUND FACILITIES IN THE  
CITY OF PLATTSBURGH, NEW YORK

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<u>OPERATOR</u>	<u>CONTACT</u>
8. Primelink 99 Kansas Avenue Plattsburgh, NY 12901	Steve Southwick (518) 324-5465

**NOTE: NOTIFY POLICE AND FIRE DEPARTMENTS AND MEET  
WITH TRAFFIC DIVISION OF THE POLICE DEPARTMENT  
PRIOR TO WORKING IN THE CITY STREETS**



## **SECTION 01 01 50 - USE OF PREMISES/FACILITIES**

### **PART 1 - GENERAL**

#### 1.01 DESCRIPTION

- A. Work Included: This Section applies to all situations in which the Contractor or his representatives including, but not necessarily limited to suppliers, subcontractors, employees, and field engineers, are on the Owner's property.

#### 1.02 QUALITY ASSURANCE

- A. Promptly upon award of the Contract, notify all pertinent personnel regarding requirements of this Section.

#### 1.03 SUBMITTALS

- A. Maintain an accurate record of the names of all persons entering upon the Owner's property in connection with the Work of this Contract and supply such information to the Owner if requested.
- B. Apply to the appropriate utility company for any service as needed and submit a copy of such utilities authorization to the Engineer.

#### 1.04 SITE STORAGE

- A. The Contractor may store equipment and materials on the site in areas designated by the Engineer. The Owner shall not be responsible for any damage or loss to material or equipment stored at the site.
  - 1. All material, equipment not in use and employee's cars shall be stored or parked at a minimum distance of fifteen (15) feet from the edge of pavement or in an area out of the work zone.
  - 2. The Contractor shall be responsible for restoring all areas damaged due to storage of equipment and materials.
- B. The Contractor shall not (except after written consent from the proper parties) occupy with any men, equipment, tools or material any private land outside the designated work area or outside the Owner's right of way. A copy of any written consent shall be given to the Engineer.

1.05 PROTECTION OF PAVEMENT

- A. On paved surfaces the Contractor shall not use or operate tractors, bulldozers, or other power-operated equipment the treads or wheels of which are so shaped as to cut or otherwise injure such surfaces.

1.06 UTILITIES

- A. The Contractor shall provide at his own expense, water, sanitary and electrical service for the work as may be necessary.
  - 1. Water supply is available at existing hydrants that may be near the site subject to the control and supervision of the City of Plattsburgh Water and Sewer Department. The Contractor shall provide all fittings, adapters as may be needed to connect to the water service from the hydrant.
  - 2. Owner will pay cost of water used. Exercise measures to conserve water.

**PART 2 - PRODUCTS**

NOT USED

**PART 3 - EXECUTION**

NOT USED

**END OF SECTION**

## **SECTION 01 05 00 - FIELD ENGINEERING**

### **PART 1 – GENERAL**

#### **1.01 DESCRIPTION**

- A. Work Included: Provide such field engineering services as are required for proper completion of the Work including, but not necessarily limited to:
  - 1. Establishing and maintaining lines and levels.
  - 2. Structural design of shoring, forms, and similar items provided by the Contractor as part of his means and methods of construction.
  
- B. Related work:
  - 1. Additional requirements for field engineering also may be described in other Sections of these Specifications.
  - 2. Refer to the Contract Documents for information on survey control points, bench marks and similar information provided for use by the Contractor in execution of the work.

#### **1.02 QUALITY ASSURANCE**

- A. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods for proper performance of the work of this Section.

#### **1.03 SUBMITTALS**

- A. Upon request of the Engineer, submit:
  - 1. Data demonstrating qualifications of persons proposed to be engaged for field engineering services.
  - 2. Documentation verifying accuracy of field engineering work.
  - 3. Certification, signed by the Contractor's retained field engineer or land surveyor, certifying that elevations and locations of improvements are in conformance or nonconformance with requirements of the Contract Documents.

#### 1.04 PROCEDURES

- A. In addition to procedures directed by the Contractor for proper performance of the Contractor's responsibilities:
1. Locate and protect control points before starting work on the site.
  2. Preserve permanent reference points during progress of the work.
  3. Do not change or relocate reference points or items of the Work without specific approval of the Engineer.
  4. Promptly advise the Engineer when a reference point is lost or destroyed or requires relocation because of other changes in the Work.
    - a. Upon direction of the Engineer, require the field engineer to replace reference stakes or markers.
    - b. Locate such replacements according to the original survey control.

#### **PART 2 – PRODUCTS**

NOT USED

#### **PART 3 – EXECUTION**

NOT USED

**END OF SECTION**

## **SECTION 01 11 00 - SUMMARY OF WORK**

### **PART 1 - GENERAL**

#### **1.01 BRIEF PURPOSE OF PROJECT / GENERAL**

- A. The purpose of the project is to furnish and install approximately 800 linear feet of new 8-inch water main, including appurtenances and fire hydrants, for the proposed Ohio Avenue Water Main Replacement & Related Site Reconstruction located in City of Plattsburgh, New York.
- B. All work shown and specified in the Contract Documents shall be the work of this Construction Contract. The Owner does not anticipate awarding other prime contracts for the project as shown.
- C. This Section provides an abbreviated summary of the work for the Construction Contract associated with the Owner's program to construct the project.

#### **1.02 NOMENCLATURE**

- A. Where the terms "Engineer/Architect", "Architect/Engineer", "Engineer", or "Architect" are used throughout these Contract Documents, they shall mean the firm of Robert M. Sutherland, P.C. as may be abbreviated by RMS.
- B. The terms "Contractor" and/or "Prime Contractor" where used shall refer to the individual or company who has entered into an agreement with the Owner to perform the work contained within these Contract Documents. The lack of word capitalization shall be incidental.
- C. The CONTRACTOR may be referred to as the "General Contractor", "Prime Contractor" or similar wording. The lack of word capitalization shall be incidental.

#### **1.03 ABBREVIATED SUMMARY OF WORK**

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. The contractor shall coordinate, through the Owner/Engineer, the work of their contract with any work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.
- C. The work includes, but is not limited to, the following:
  - 1. All labor, equipment and material costs necessary to complete the work as shown on the plan sheets.
  - 2. Project closeout submittals.

- D. All other work shown and specified in the Contract Documents.

1.04 PARTIAL LISTING OF OVERALL CONTRACT REQUIREMENTS

- A. The Contract Documents detail the work included in the Contract. Related requirements and conditions covered by the Contract Documents include, but is not limited to, the following:
  - 1. Debris removal and daily and final cleaning up.
  - 2. Coordination with the Water District and local consumers regarding the interruption of water service and subsequent shut-downs of existing water mains.
  - 3. Coordination with utility companies necessary to schedule repairs to services in the event of damage to existing facilities.
  - 4. Site utilization and management so as not to disrupt the Owner's ability to operate the existing facilities in a safe and efficient manner.
  - 5. Site safety in accordance with all applicable federal, state, and local regulations.
  - 6. To not hinder the Owner's ability to deliver a safe and potable water supply.

1.05 EXISTING CONDITIONS

- A. The Drawings show certain information that has been obtained by the Owner regarding various pipelines, structures, and utilities that exist at the location of the project both below and at grade.
- B. The Owner and the Engineer expressly disclaims all responsibility for the accuracy or completeness of the information given on the Drawings with regard to existing facilities.
- C. In the case where the Contractor discovers an obstruction not indicated on the Drawings or not described via specification reference, then the Contractor shall immediately notify the Engineer of the obstructions' existence.
- D. The Engineer will determine if the obstruction is to be relocated or removed.
- E. Compensation for this extra work will be paid for in accordance with the provisions in the Contract for "Extra Work".

**PART 2 - PRODUCTS**

NOT USED

**PART 3 - EXECUTION**

NOT USED

**END OF SECTION**

## **SECTION 01 32 16 - CONSTRUCTION SCHEDULE**

### **PART 1 - GENERAL**

#### 1.01 SECTION INCLUDES

- A. This Section specifies the requirements for preparing construction schedules and for keeping them up to date.
- B. All schedules shall be submitted in accordance with the requirements contained herein in Section 013300.

#### 1.02 CONSTRUCTION SCHEDULE - GENERAL

- A. Coordinate the work and maintain the construction schedule. In the event actual progress begins to lag the schedule, promptly employ additional means and methods of construction to make up the lost time.
- B. Keep the construction schedule current and revise and resubmit as often as necessary to accurately reflect the conditions of the work, past progress and anticipated future progress.
- C. The construction schedule shall be completed, submitted, and deemed received by the Engineer prior to the first payment application.
- D. The schedule, when approved by the Engineer and the Owner, shall establish the dates for starting and completing work for the various portions of the Contract. It shall be the duty of the Contractor to conform to his/her own schedule and to perform the work within the time limits indicated. Failure to adhere to the approved schedule shall expose the Contractor to disputes, claims and additional costs incurred by others.
- E. Coordinate letting of subcontracts, material purchases, shop drawing submissions, delivery of materials, and sequence of operations, to conform to the schedule.

#### 1.03 CONSTRUCTION SCHEDULE - GANTT CHART TYPE

- A. The schedule shall show, in detail, the proposed sequence of the work and the estimated date of starting and completing each stage of the work in order to complete the project within the contract time.
- B. Prepare the schedule in a manner so that the actual progress of the work can be recorded and compared with the expected progress.
- C. Coordinate the construction schedule with the proposed schedules of the equipment suppliers and subcontractors.
- D. The schedule shall be plotted out in color and shall be 36-inch by 40-inch. It shall contain as many sheets as are necessary to show all rolled down tasks. Partially printed schedules will not

be accepted. The Contractor shall arrange to have it plotted on a color plotter suitable for the intended application.

- E. The schedule shall show the following:
  - 1. Task links/task dependency in blue ink.
  - 2. Work under the Contract in green ink.
  - 3. Work by others in blue ink.
  - 4. Milestone dates (zero duration) by a red diamond.
  - 5. The end date for each task and subtask at the end of a bar.
  - 6. The description of all major tasks within the bar. The bar shall be red.
  - 7. Critical path.

#### 1.04 REVISION OF PROJECT PROGRESS SCHEDULE

- A. The Contractor shall evaluate and provide updated construction schedules monthly in accordance with job requirements. Each update shall be submitted to the Engineer for information purposes and be provided by the last Friday of every month

#### **PART 2 - PRODUCTS**

NOT USED

#### **PART 3 - EXECUTION**

NOT USED

**END OF SECTION**



## SECTION 01 33 00 - SUBMITTALS

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work Included:
  - 1. Procedures
  - 2. Shop Drawings
  - 3. Product Data
  - 4. Samples
  - 5. Manufacturer's Instructions.
  
- B. Related Work:
  - 1. Section 01 32 16            Construction Schedule
  - 2. Section 01 70 00           Project Closeout

#### 1.02 PROCEDURES

- A. Deliver submittals to:  
  
Aaron J. Ovios, P.E.  
Robert M. Sutherland, P.C.  
11 MacDonough Street, Plattsburgh, NY 12901
  
- B. Transmit each item under "Letter of Transmittal." Identify Project, Contractor, subcontractor, major supplier; identify pertinent drawing sheet and detail number, and Specification Section number, as appropriate.
  
- C. After Engineer review of submittal, revise and resubmit if required, identifying changes made since previous submittal.
  
- D. Distribute copies of review submittals to concerned persons. Instruct recipients to promptly report any inability to comply with provisions.

#### 1.03 SHOP DRAWINGS

- A. Submit the number of opaque reproductions which Contractor requires, plus two copies which will be retained by the Engineer.
  
- B. Prior to submission to Engineer, the contractor shall review each shop drawing for compliance with the specification and shall so indicate such review on the drawing.
  
- C. Contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

- D. Corrections or comments made on the shop drawings during review by the Engineer do not relieve the Contractor from compliance with requirements of the drawings and specifications. Shop drawing review by the Engineer is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.

#### 1.04 PRODUCT DATA

- A. Mark each copy to identify applicable products, models, options, and other data; supplement manufacturers standard data to provide information unique to the work.
- B. Submit the number of copies which Contractor requires, plus two copies which will be retained by the Engineer.

#### 1.05 MANUFACTURER'S INSTRUCTIONS

- A. Then required in individual Specification Section, submit manufacturer's printed instructions for delivery, storage, assembly, installation, start-up; adjusting, and finishing in quantities specified for product data.

#### 1.06 SAMPLES

- A. Submit full range of manufacturers standards colors, textures, and patterns for Engineer's selection. Submit samples for selection of finishes within 40 days after date of Contract.
- B. Submit samples to illustrate functional characteristics of the product, with integral parts and attachment devices. Coordinate submittal of different categories for interfacing work.
- C. Include identification on each sample, giving full information.
- D. Submit the number specified in respective Specification Section; one will be retained by the Engineer. Reviewed samples which may be used in the Work are indicated in the Specification Section.

#### 1.07 FIELD SAMPLES

- A. Provide field samples of finishes at work site as required by Specification Section. Install sample complete and finished. Acceptable samples in place may be retained in completed Work.

**PART 2 – PRODUCTS**

NOT USED

**PART 3 – EXECUTION**

NOT USED

**END OF SECTION**

## SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work Included:
  - 1. Temporary Utilities - electricity, water, sanitary facilities.
  - 2. Temporary Controls - Barriers, enclosures, fencing, protection of the work and runoff control.
  - 3. Construction Facilities - Site storage, parking, temporary buildings.
  
- B. Related Work
  - 1. Section 01 78 00           Project Closeout
  - 2. Section 01 71 00           Cleaning

#### 1.02 TEMPORARY ELECTRICITY

- A. No electric power facilities will be provided by the Owner. Contractor shall provide generators for electric power needs or arrange with The Municipal Lighting Department for temporary service at his/her expense.

#### 1.03 TEMPORARY WATER SERVICE

- A. Water supply is available at existing hydrants that may be near the site subject to the control and supervision of the Plattsburgh Water and Sewer Department. The Contractor shall provide all fittings, adaptors as may be needed to connect to the water service from the hydrant.
  
- B. Owner will pay cost of water used. Exercise measures to conserve water.
  
- C. Contractor shall comply with all Local, State, and Federal Guidelines regarding the Covid-19 Pandemic.

#### 1.04 TEMPORARY SANITARY FACILITIES

- A. No sanitary facilities will be provided by the owner.
  
- B. Contractor shall arrange and provide toilet facilities for construction personnel in accordance with OSHA requirements.
  
- C. Contractor shall comply with all Local, State, and Federal Guidelines regarding the Covid-19 Pandemic.

1.05 BARRIERS

- A. Provide barriers to protect all work. Protect any open excavations when workers are not present, never leave site unattended with unprotected excavations.
- B. Protect open excavations by completely enclosing with fencing.

1.06 PROTECTION OF PAVEMENT

- A. On paved surfaces the Contractor shall not use or operate tractors, bulldozers, or other power-operated equipment the treads or wheels of which are so shaped as to cut or otherwise injure such surfaces.

1.07 WATER CONTROL

- A. Grade site to drain. Maintain excavations free of water. Provide operate, and maintain pumping equipment.
- B. Discharge water into existing storm drainage system with hoses or as directed by the Engineer.
- C. Take temporary measures for runoff control to prevent sediment from discharging into the storm drainage system. Such measures shall conform to the Guidelines for Urban Erosion & Sediment Control" as published by the NYS Soil & Water Conservation Society, dated March 1988. Such measurers may include:
  - Straw bale dike
  - Silt fencing
  - temporary swales
  - sediment traps

Obtain approval of Engineer of proposed method(s) prior to commencing any excavation work.

1.08 SITE STORAGE

- A. The Contractor may store equipment and materials in the parking lots or on the street in areas designated by the Engineer. The Owner shall not be responsible for any damage or loss to material or equipment stored at the site.
  - 1. All material, equipment not in use and employees cars shall be stored or parked at a minimum distance of fifteen (15) feet from the edge of pavement or in an area out of the work zone.
  - 2. The Contractor shall be responsible for restoring all areas damaged due to storage of equipment and materials.
- B. The contractor shall not (except after written consent from the proper parties) occupy with any men, equipment, tools or material any private land outside the designated work area or

outside the Owner's right of way. A copy of any written consent shall be given to the Engineer.

**PART 2 - PRODUCTS**

NOT USED

**PART 3 - EXECUTION**

NOT USED

**END OF SECTION**

## SECTION 01 51 00 - MAINTENANCE OF TRAFFIC

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work included: Provide all facilities and traffic controls needed to allow safe conduct of the Work while maintaining public use of the site, including, but not necessarily limited to:
  - 1. Warning signs, barricades, delineators, lights, cones, etc.
  - 2. Flaggers with appropriate signs and ability to direct traffic through the work site.
- B. Traffic control shall be the sole responsibility of the Contractor.

#### 1.02 QUALITY ASSURANCE

- A. Inspect site at least twice daily to verify all controls are in place and the site is in proper and safe condition throughout the progress of the work.

#### 1.03 SUBMITTALS

- A. Traffic Control Plan: The Contractor shall submit one reproducible copy of the plan(s). Submit the plan as soon as possible after the Notice to Proceed and prior to the Pre-construction Conference.
- B. The plan shall identify the means whereby partial or full disruption of traffic will be safely cared for.

#### 1.04 JOB CONDITIONS

- A. The suggested procedure for maintaining traffic through the work zone is:
  - 1. Provide signing in accordance with the short duration work zone methods shown in Figures cited above. The street is to be restored to two way, two lane traffic during all work times (the street shall be left in a safe condition to allow such traffic).
  - 2. If the Contractors equipment blocks one lane of traffic and two way traffic cannot be maintained with cones as per Figures 302-3B, a flagger(s) shall be provided to maintain two-way traffic through the work zones unless traffic conditions are such that a flagger is not necessary as determined by the Engineer.
  - 3. Coordinate all blockage of drives with the affected property owners. Provide at least 24 hour advance notice of all such blockage.
  - 4. For the reconstruction work two flaggers may be necessary at each of the work zone. No City Street may be closed to traffic for the reconstruction work. A temporary thru traffic travel lane shall be maintained during the reconstruction and the work site shall be left after work hours to allow two lane traffic. Provide "Pavement ends" signs at each end of the work zone during the reconstruction.

- B. No street is to be closed completely to thru traffic unless a traffic control plan has been submitted to and approved by the Engineer and the appropriate signs are in place.
  - 1. The City of Plattsburgh reserves the right to restrict the duration and scheduled closing of any street. The Contractor shall take all steps to minimize the time a street is to be closed to thru traffic.

## **PART 2 - PRODUCTS**

### **2.01 TRAFFIC CONTROL PLAN**

- A. Locate on the plan all signs and devices to be employed for the control of traffic. The plan shall indicate general sign locations for all work activity and a separate plan may be sued to represent signing for specific type activities (e.g. curbing, sidewalk, reconstruction of roadway, etc.).
- B. The Contractor shall prepare the traffic control plan in conformance with the requirements of the NYS "Manual of Uniform Traffic Control Devices." (MUTCD) July 1990
- C. Include on the plan, but do not necessarily limit control devices to:
  - 1. Location of warning signs (indicate wording or symbols to be used);
  - 2. Location of delineators, barricades, cones or similar devices;
  - 3. Location of flagging stations.
- D. All work zone signs shall be reflectorized with black lettering on an orange background or as specified in the MUTCD. A sufficient number and type of signs and traffic control devices shall be provided in accordance with the MUTCD as follows:

OPERATION	MUTCD
Curb/Sidewalk Installation	Figure 302-3 C (Short durat.)

## **PART 3 - EXECUTION**

### **3.01 MAINTENANCE OF TRAFFIC**

- A. The Contractor shall provide flagging stations as detailed by the traffic control plan or if deemed necessary by the Engineer in order to maintain a smooth and safe flow of traffic. Flaggers shall be provided with a hard hat, safety vest, flag or sign and shall direct and control traffic in a safe and MUTCD approved manner.
- B. The Contractor is responsible for contacting in advance the Police (563-3411) and Fire Department (561-2347) to constantly appraise them of traffic detours and road blockages.



- C. The Contractor shall provide and maintain at all times during the work an adequate ingress and egress for the residents and any businesses in or adjacent to the work site.
  - 1. Where new curb and/or sidewalk is freshly placed and vehicular access is not possible, provide temporary ramps, walks, bridges for pedestrian use and access. Such facilities shall of sufficient construction and be suitable for safe and easy use. Locate such ramps at convenient locations with maximum spacing of 150'.
- D. Emergency vehicle access shall be allowed within the work site at all times.
- E. The Contractor shall provide emergency service at nights and on the weekends should the work site need attention due to weather conditions or similar problems. An on-call number shall be given to the Engineer and Police Department.
- F. All traffic regulatory signs that must be removed while work progresses shall be temporarily relocated and shall remain in service as directed by the Engineer.

**END OF SECTION**

## SECTION 01 70 00 - PROJECT CLOSEOUT

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work Included:
  - 1. Closeout procedures
  - 2. Project Record Documents.
  - 3. Operation and Maintenance Data
  - 4. Warranties
  - 5. Spare Parts and Maintenance

#### 1.02 DEFINITIONS

- A. "Date of Substantial Completion of the Work (or a portion thereof)." The date certified by the Engineer when construction is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work or designated portion thereof for the use for which it is intended.

#### 1.03 CLOSEOUT PROCEDURES

- A. When the Contractor considers the Work has reached final completion, submit written certification that Contract Documents have been reviewed. Work has been inspected and that Work is complete in accordance with Contract Documents and ready for Engineer's Inspection.
- B. General: In order to ensure that all Contract requirements are met and that the Work is complete and acceptable, the following inspections will be made in addition to the normal daily inspections. The purpose of these inspections is to furnish the Contractor, in writing, list of Contract exceptions, omissions and incompletions in an orderly and timely way in order to reach Contract completion in an expeditious and satisfactory manner, and to establish a physical completion date.
  - 1. Punch List Inspection: Such inspection will be made when the Work is substantially complete as determined by the Engineer. A copy of the punch list items to be completed by the Contractor will be furnished to the Contractor within three days after the punch list inspection.
  - 2. Joint Inspection for Physical Completion: The "Joint Inspection for Physical Completion" will be made to verify completion of the exceptions listed in the punch list inspection. The verification of the completeness of all exception items except minor deficiencies will enable the establishment of the "Physical Completion Date." Such date shall be used in determining the commencement of the guarantee period and for the consideration of any liquidated damages. Any additional deficiencies found during this inspection shall be promptly corrected by the Contractor.
- C. Upon acceptance of all work as complete by the Engineer, the Contractor will be directed to submit the final application for payment together with all other required documentation and submittals.

### 1.03 PROJECT RECORD DOCUMENTS

- A. Maintain, at the job site, one set of the Contract Drawings for recording as-built conditions. Mark (in red) changes made during the course of construction as follows:
  - 1. Indicate horizontal and vertical changes in location of pipes, conduits and manholes. Reference all elevations to datum as indicated on drawings.
  - 2. Record the location of buried construction and utility features revealed during the course of construction which are not shown or which are not located accurately on the Drawings.
  - 3. Field changes of dimension and detail.
- B. At completion of the project and prior to the final project closeout meeting, deliver the marked up set of prints to the Engineer.
- C. Do not use record documents for construction purposes and maintain documents clean, dry, and in a legible condition.
- D. Requests for partial payment will not be approved if the marked prints are not kept current and request for final payment will not be approved until the marked prints are delivered to the Engineer.

### 1.04 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Provide products, spare parts, and maintenance materials in quantities specified in each Section, in addition to that used for construction of Work. Coordinate with Owner, deliver to project site and obtain receipt prior to final payment.

### 1.05 WARRANTIES, AFFIDAVITS

- A. Provide all Warranties, or Affidavits as required by each section. The effective date shall be the date of Physical Completion of the designated portion of the Work.
- B. The work of the Contract shall be guaranteed by each Prime Contractor for a period of not less than one calendar year beginning from the date of Physical Completion.

### 1.06 FINAL APPLICATION FOR PAYMENT

- A. Each Contractor shall submit the following items to the Engineer for review and approval together with the final Application for Payment. All documents shall be completed, signed and dated as follows:
  - 1. Warrantee: Written guarantee on the Contractor's letterhead of all work as called for in the Contract.
  - 2. Maintenance and Operation Manuals; provide three copies.
  - 3. Project Record Documents.
  - 4. All keys issued to Contractors.
  - 5. Operating Instructions. Written statements that operating instructions for the equipment and systems installed under this Contract have been given and understood, countersigned by an authorized representative of the Owner.

6. Final Application and Certificate for Payment.
7. Underwriters Certificate of Approval of Electrical Wiring.

**PART 2 - PRODUCTS**

NOT USED

**PART 3 - EXECUTION**

NOT USED

**END OF SECTION**

## **SECTION 01 71 00 - CLEANING**

### **PART 1 - GENERAL**

#### 1.01 DESCRIPTION

- A. Work Included: Throughout the construction period, maintain the site clean and in a safe condition as described in this Section.
- B. Related Work:
  - 1. Section 01 51 00 Maintenance of Traffic

#### 1.02 QUALITY ASSURANCE

- A. Conduct daily inspection and more often if necessary, to verify that requirements for cleanliness are being met.

### **PART 2 - PRODUCTS**

#### 2.01 CLEANING MATERIALS AND EQUIPMENT

- A. Provide required personnel, equipment and materials need to maintain the specified standard of cleanliness.
- B. Use only the cleaning materials and equipment which are compatible with the surface being cleaned, as recommended by the manufacturer of the material or Engineer.

### **PART 3 - EXECUTION**

#### 3.01 CLEANING

- A. The Contractor shall on a daily basis, or after notice by the Engineer, remove and sweep clean any dirt, mud, silt or any other debris that accumulates on the pavement in the area of the project.
  - 1. Such cleaning action by the Contractor shall be done to the satisfaction of the Engineer and whenever deemed necessary by the Engineer.
- B. Daily and more often if necessary, inspect the site and pick up scrap, debris, and waste material. Remove such items to the place designated for their storage.
- C. Maintain the site in a neat and orderly condition at all times.

3.02 DUST CONTROL

- A. The Contractor shall conduct his operations and maintain the area of his activities, including sweeping and sprinkling of streets and the work site as necessary, so as to minimize the creation and dispersion of dust, or as required by the Engineer.
1. The Contractor shall control dust through periodic sweeping and wetting of the project area or through the use of straw mulch in some cases.
  2. The use of calcium chloride for dust control may be allowed by the Engineer if warranted by site conditions.
  3. All dust control shall be performed at the sole expense of the Contractor

**END OF SECTION**

## SECTION 02 00 00 - SUBSURFACE CONDITIONS

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. It shall be the Contractor's obligation to satisfy himself as to the nature and character of sub-surface conditions likely to be encountered. Any holder of contract documents will be permitted, upon application to the Owner, to make test borings, test pits, soundings, etc. on the work site. Anyone permitted to make such test shall be responsible for their work and shall restore the area to the satisfaction of the Engineer.
- B. Definitions
  - 1. "Rock" excavation is defined as limestone, sandstone, shale or granite in solid beds or masses in its original or stratified position which can only be removed by continuous drilling and blasting or continuous drilling and wedging. Rock shall also be considered to be any boulder or mass of concrete in excess of one (1) cubic yard (excluding any boulders, sidewalk and curb as shown to be removed).
  - 2. "Earth" excavation shall be defined as excavation of all kinds of material other than rock as defined above.

#### 1.02 JOB CONDITIONS

- A. Unless other wise noted in these specifications, all excavation required herein shall be considered to cover all earth excavation. In the event rock is encountered, it shall be excavated at a unit price as previously stipulated or a change order shall be issued.

#### 1.03 EXISTING UTILITIES

- A. Before commencing any excavation work, the Contractor shall notify all Underground Facilities Operators in accordance with the requirements of Industrial Code Rule No. 53 (effective April 1, 1975). After all underground facilities have been located in the field, the Contractor may commence excavation work. The Master List of Operators of Underground Facilities in the City of Plattsburgh with appropriate notification telephone numbers for each operator is included as Appendices of this specification.
- B. The Contractor shall not proceed with power excavation in the area of a known underground utility until the line location is precisely determined by hand tool excavation. After this positive location, the Contractor may proceed with power excavation until it can no longer safely proceed as determined by the Engineer. Further excavation around the utility line shall then be with hand tools only.
- C. The Contractor shall, at his expense and as directed by the Engineer, protect all utility lines to prevent damage while the work proceeds.

## **PART 2 - PRODUCTS**

NOT USED

## **PART 3 - EXECUTION**

### **3.01 PROCEDURES**

- A. If the Contractor damages any of the existing utility lines that are shown on the drawings or are located in the field by an underground facility operator, the lines shall be repaired as directed by the utility operator and at the Contractor's expense.
- B. In the event the Contractor encounters any unmarked utility line, the Contractor shall contact the appropriate utility operator and request they investigate the line.
  - 1. If the ownership of an unmarked line is not apparent, the Contractor shall take steps as directed by the Engineer to determine the ownership of the line or to investigate the line to see if it is an active utility line or an abandoned line.
  - 2. The Contractor shall be responsible for all costs to investigate unmarked lines and the Owner shall not be liable for any delay costs due to the time required to summon and allow a utility operator to investigate an unmarked line.
- C. Where the Contractor is required or has removed for the convenience of his work any traffic sign, hedge, shrub, bush, fence or similar improvement, he shall restore same to its original place in as good a condition as was originally found. This paragraph applies to objects on both public and private property.
  - 1. Plants which do not prosper after re-placing shall be replaced with new plantings of equal quality.
- D. If the excavation work disturbs or removed an existing property pin or marker, the Contractor shall, at his expense, have the pin re-set by a NYS Licensed Land Surveyor.

**END OF SECTION**



## SECTION 02 22 10 - TRENCHING, BACKFILLING & COMPACTION

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work Included: Trench, backfill, and compact as specified herein and as needed for installation of underground utilities associated with the Work.
- B. Related Work:
  - 1. Section 02 00 00 Subsurface Conditions

#### 1.02 QUALITY ASSURANCE

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. Use equipment adequate in size, capacity, and numbers to accomplish the work in a timely manner.

#### 1.03 REFERENCE STANDARD

- A. The term "Standard Specification" as used in this section shall mean the Standard Specifications, Construction and Materials, New York State Department of Transportation, Design and Construction Division, dated May 1, 2008 and including all addendums thereto. Where the Standard Specifications are cited such work or material shall conform in every respect except for "Method of Payment" or if cited otherwise herein.

### PART 2 - PRODUCTS

#### 2.01 MATERIALS

- A. Sand Backfill

Provide a 12" sand envelope around the proposed utility pipe on all sides. The bedding sand shall be hard, durable particles, free from organic contamination and conforming to the following gradation:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
2"	100%
1/4"	90 - 100
No. 50	0-35
No. 100	0-10

B. Run-of-Bank Gravel Backfill:

Such gravel shall consist of sound, hard, durable particles, free from organics and conforming to the following gradation:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
8"	100%
2"	60 - 90
1/4"	30 - 65
No. 40	5 - 40
No.200	0 - 10

C. Base Course Backfill

Such gravel shall consist of sound, hard, durable particles, free from organics and conforming to the Standard Specifications, Type 4, Item 304.14 with the following gradation:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
2"	100%
1/4"	30 - 65
No. 40	5 - 40
No. 200	0 - 10

D. Dense Binder Pavement

Material used for binder patching of any existing pavement disturbed by this work shall be dense binder conforming to the Standard Specification, Item 403.138902.

E. Top Course Pavement

Material used for top course paving of any existing pavement disturbed by this work shall be armor coat pavement conforming to the Standard Specification, Item 403.178902.

**PART 3 - EXECUTION**

3.01 FINISH ELEVATIONS AND LINES

A. Comply with pertinent provision of Section 01 05 00 Field Engineering.

3.02 SAW-CUTTING EXISTING PAVEMENT

A. Where the pavement in the proposed work area is to be excavated and removed the Contractor is not required to saw-cut the trench and any such cutting is at the Contractor's option to allow the work to progress and minimize site disturbance for maintenance of traffic after work hours.

- B. Where no general surfacing of pavement is shown on the drawings, the Contractor shall saw cut the pavement on both sides of the trench prior to any excavation. The Contractor shall use a rotary saw or a cutting wheel, providing the pavement is cut for the full depth and a neat, straight cut is produced.

### 3.03 SHEETING AND BRACING

- A. The trench excavation shall be shored and braced by members of suitable sizes and arrangements, where necessary, to prevent danger to persons or structures, injurious caving or erosion. Shoring, bracing and sheeting shall be removed as the excavations are filled, in a manner to prevent injurious caving.
- B. The Contractor shall comply with the NYS Dept. of Labor Safety and Health Regulations for Construction promulgated under the Occupational Safety and Health Act of 1970 (PL-91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PL-91-54).
- C. In general, shoring or an open trench cut with a 1/2 : 1 sloped side is mandatory whenever the depth of the trench is 4.5 feet or greater.

### 3.04 DEWATERING

No pipe laying will be permitted in a wet trench. The Contractor shall keep the excavation clear from water at all times during the construction by building dams, laying drains and using other devices for this purpose and shall provide and keep in operation, suitable pumps of sufficient capacity to maintain the excavation dry and free from water at all times.

### 3.05 MAINTAINING EXISTING SERVICES

- A. The Contractor shall maintain services of any and all private or public utilities during the course of the work as directed by the Engineer. Required interruptions shall be scheduled in advance with the Engineer and the work performed continuously so as to minimize the duration of interruption. No gutters or ditches shall be obstructed so as to interfere with surface drainage, except as permitted by the Engineer.

### 3.06 OBSTRUCTIONS

- A. The Contractor shall locate all underground utilities and the structures, services, etc., by positive means, approved by the Engineer and in accordance with the NYS Industrial Code Rule No. 53.
- B. The Contractor shall, at his own cost and expense, maintain in their place and properly protect from direct or indirect injury, on public and private property, all water mains, public or private sewers or drains, service pipes, conduits, sidewalks, roadways, (including shoulder material) all hedges, bushes, trees, fences, utility poles, power lines, telephone or cable television lines and all other structures or property within the vicinity of his work, whether above or below ground or which appear within the trench or excavation, and shall assume

all costs and expense for direct or indirect damage and repairs which may be occasioned by injury to any of them.

### 3.07 TRENCH EXCAVATION

- A. All trench for laying pipe shall be open cuts from the surface. The trench shall be excavated to a sufficient depth and accurately graded and shaped to provide a uniform bearing surface.
- B. The Contractor shall stake out the new utility alignment prior to commencing any excavation and shall have the proposed alignment inspected and approved by the Engineer. The alignment shall be adequately marked with stakes or paint to guide the excavator.
- C. The trench shall be backfilled frequently so that not more than 50' of trench is left open at the end of a work day. All excavation areas not backfilled shall have their openings guarded with a snow fence around the entire perimeter and shall be provided with suitable warning lights, reflectors and signs in accordance with the MUTCD.

### 3.08 EXCAVATED MATERIAL

- A. The contractor may re-use the excavated sand material as general backfill of the trench areas.

### 3.09 BACKFILL

- A. The pipe shall be placed to grade on a 12" layer of clean, mechanically compacted sand. After the pipe is installed, sand shall be placed around the pipe and tamped with a pipe tamper to insure the sand envelope layer shall extend to at least 12" above the top of the pipe.
- B. Backfill above the sand layer to be with run-of-bank gravel to the base layer. Mechanically compact fill in layers as specified below.
- C. Backfill for the base course is to be with 12" of Type 4 gravel or cold milled material as specified herein for areas to be repaved or with 6" of topsoil in all other areas.

### 3.10 COMPACTION

- A. All material shall be mechanically compacted in layers not more than six (6) inches in thickness. Compaction and methods shall be as required by the Standard Specifications (Section 203-3.03C. *Compaction*).
- B. The Owner reserves the right to perform density tests at any time (at the Owner's expense) and the test results for acceptability must indicate not less than 95 percent of the Standard Proctor Maximum Density is attained.

### 3.11 SITE RESTORATION

- A. In all areas not to receive resurfacing, the trench shall be repaved and the Contractor shall place a 12" deep layer of Type 4 Gravel base course, compact, place a 3" binder course followed by a 2" top course. If pavement edges have been broken or are jagged, a new edge shall be cut to square-off the pavement and the broken pavement shall be removed. Compact each pavement course with a smooth wheeled steel roller.
- B. Where lawns, sidewalks, driveways or other areas are disturbed by the work, the Contractor shall restore the areas to match the existing adjacent areas.

### 3.12 FIELD QUALITY CONTROL

- A. The Engineer or his representative will inspect and approve open cuts and trenches before installation of utilities, and will make the following tests:
  - 1. Check backfilling for proper layer thickness and compaction.
  - 2. Check at the Engineer's option and expense, that proper compaction level has been achieved.
  - 3. Assure that defective work is removed and properly replaced.

**END OF SECTION**

## SECTION 02 51 30 – BITUMINOUS CONCRETE PAVING

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work included: Bituminous concrete paving required for this Work includes, but is not necessarily limited to, the following:
1. Excavate existing roadway;
  2. Install select gravel road base, fine grade base and place dense binder paving course;
  3. Adjust all utility covers to final grade;
  4. Place top course finish paving.

#### 1.02 QUALITY ASSURANCE

- A. Qualifications of workers: Provide at least one person who shall be thoroughly trained and experienced in skills required, who shall be completely familiar with the design and application of work described for this Section, and who shall be present at all times during progress of the work of this Section and shall direct all work performed under this Section.
- B. For actual finishing of bituminous concrete surfaces, and operation of the required equipment, use only personnel who are thoroughly trained and experienced in the skills required.

#### 1.03 PRODUCT HANDLING

- A. No material shall be placed on wet surface.
- B. Material shall be placed only when the surface temperature is:

50 F for a 1.5" resurfacing layer;  
45 F for a 2" or thicker layer

- Paving shall be discontinued as soon as the temperature falls below the above requirements. Top course paving shall be further limited to placement only during the period of May 15 to October 31.
- C. The Engineer shall have the right to cancel or postpone paving operations, if, in his opinion, the weather condition or forecast will prevent the proper handling or finishing of the bituminous mixtures.
- D. The Owner shall not be responsible for any costs incurred by the Contractor due to delays or extra work as a result of weather conditions. If the Contractor fails to complete the necessary paving operations prior to weather and seasonal limitations, all temporary materials and work which become necessary as a result of such failure, such as the shimming of castings and protrusions, drainage of the roadways, providing acceptable rideability, and other work needed for the adequate maintenance and protection of traffic until paving operations can be completed the following paving season, shall not be reimbursable by the owner.

- E. Any pavement damage which occurs as a result of the Contractor either not protecting previously laid courses of his constructing any pavement course outside the specified weather and seasonal requirements whether or not a waiver was granted, shall be repaired by the Contractor at no expense to the Owner. All repairs shall be performed to the satisfaction to the Engineer.

1.04 REFERENCE STANDARD

- A. The term "Standard Specification" as used in this section shall mean the Standard Specifications, Construction and Materials, New York State Department of Transportation, Design and Construction Division, dated May 1, 2008 and including all addendums thereto. Where the Standard Specifications are cited such work or material shall conform in every respect except for "Method of Payment" or if cited otherwise herein.

**PART 2 - PRODUCTS**

2.01 MATERIALS

A. Base Course

- 1. The material for the base course shall be crushed limestone or select gravel consisting of sound, hard durable particles, free from organics, conforming to the Standard Specification for Item 304.14 (Type 2) and the following gradation:

<u>SIEVE SIZE</u>	<u>% PASSING BY WEIGHT</u>
2"	100
1/4"	25 - 60
No. 40	5 - 40
No. 200	0 - 10

B. Bituminous Concrete

- 1. Binder Course. Such material shall conform to the Standard Specifications, Item 403.138902, Dense Binder.
- 2. Top Course: Such material shall conform to the Standard Specifications, Item 403.178902 (Type 6).
- 3. Truing and Leveling Course: Such material shall conform to the Standard Specifications, Item 403.198902 (Armor Coat).

C. Tack Coat

- 1. Tack Coat: Such material shall conform to the Standard Specifications, Item 407.0101, Tack Coat.

D. Cleaning, Sealing and Filling Joints and Cracks

- 1. Cleaning, Sealing and Filling Joints and Cracks shall conform to the Standard Specifications, section 633-3.02 with Asphalt Filler Item 702-0700.

## 2.02 BITUMINOUS CONCRETE QUANTITIES

- A. The material supplier shall furnish delivery slips to the driver of each truck that obtains material at the plant for this project. The slip will show the quantity of material (by truck scale weighing) that will be used to determine the actual tonnages delivered to the project.

## 2.03 WASTED MATERIAL

- A. Any bituminous concrete ordered by the Contractor and wasted (i.e., not used for work under this Contract) shall be at the Contractors expense.
- B. Quantities of material wasted shall be determined on each occurrence by the Engineer. The Contractor may at his option and expense, return the haul unit for re-weighing of the wasted material. In such case, the tonnage as weighed shall be used for determining the wasted quantity.
- C. Wasted material shall be considered as all bituminous concrete material ordered and not used in this contract. Wasted material shall include all material not used as the result of equipment breakdown, bad weather, excess material ordering, rejection of the Contractor's paving equipment by the Engineer, etc., and as such shall become the property of the Contractor.

## PART 3 - EXECUTION

### 3.01 BASE COURSE

- A. Saw-cut roadway edge and excavate existing area to be replaced and regraded. Excavate to a depth to remove all existing organic material and to meet the proposed finished grade.
- B. Compact the existing sub-base and then install the select gravel base course material and compact with the paving roller. Shape base course to grade as shown on the plans. Check grade with string line (tolerance 3/8") and adjust as necessary prior to placing any pavement course.

### 3.02 HAULING EQUIPMENT

- A. The bituminous mixture shall be transported from the plant to the work site in tight vehicles having clean and smooth metal beds. Each load shall be covered with canvas or other suitable material of such size as to protect the mixture from the weather.
- B. The inside surface of the haul vehicles shall be coated, just before the vehicles are loaded, with either fuel oil applied by a high pressure fog system or other material as approved by the Engineer. After proper application, the truck bodies shall be raised for a sufficient time to allow the excess fluid to drain.

### 3.03 BITUMINOUS PAVERS

- A. Bituminous pavers shall be self-powered units, provided with an activated screed or strike-off assembly. The machine shall be capable of spreading and finishing courses of bituminous plant mix material in lane widths applicable to the widths of roadways to be



- paved on this project and as approved by the Engineer. When screed extensions are permitted by the Engineer for placement of mainline pavement, such extensions shall be of the same design as the main screed. The paver shall have a receiving hopper with sufficient capacity for uniform spreading operation and with automatic flow controls to place the mixture uniformly in front of the screed. The screed or strike-off assembly shall be heated as necessary to produce a finished surface of the required evenness and texture without tearing, shoving or gouging the mixture. When laying mixtures, the paver shall be capable of operating at forward speeds consistent with satisfactory placement of the mixtures.
- B. All bituminous pavers, used to place base, binder, and surface courses shall be equipped with approved automatic transverse slope and longitudinal grade screed controls. The controls shall automatically adjust the screed and increase or decrease the mat thickness to compensate for irregularities that are in the surface being paved. The controls shall be capable of maintaining the proper transverse slope and be readily adjustable so transitions and super-elevated curves can be satisfactorily paved. The controls shall operate from suitable fixed or moving references as prescribed in Paragraph 3.05, Spreading and Finishing
  - C. The bituminous paver shall be at the job site sufficiently ahead of the start of paving operations to be examined and approved by the Engineer. Any paver found worn or defective either before or during its use shall be immediately repaired to the satisfaction of the Engineer or replaced.

#### 3.04 ROLLERS

- A. All rollers shall be either an approved vibrator type or static steel wheel or pneumatic tire type. The rollers shall be in good mechanical condition, free from excessive backlash, and capable of operating at speeds slow enough to avoid displacement of the mixture while it is still in a workable condition. The use of equipment which results in excessive crushing of aggregate will not be permitted.
- B. The roller supplied shall comply with the requirements of the Standard Specifications, Section 402-3.04 Rollers.

#### 3.05 CLEANING EXISTING PAVEMENT

- A. Prior to placing any pavement courses the Contractor shall clean the existing pavement to the satisfaction of the Engineer. The cleaning shall be sufficient to remove all mud, debris, dust, dirt, loose material and so on. The Contractor shall use mechanical sweepers, hand brooms, shovels, etc., to clean the pavement.
- B. All costs associated in cleaning the existing pavement shall be included in the appropriate unit price bid for placement of the pavement layer.

#### 3.06 SPREADING AND FINISHING

- A. The mixture shall be laid upon an approved clean, dry surface, spread and struck off to the established grade and elevation. Approved bituminous pavers shall be used to distribute the mixture either over the entire width or over such partial width as may be practicable. The paver shall be guided by a measured and painted line on the existing surface where partial widths are placed. Bituminous pavers shall be in charge of an experienced operator. Placing of the mixture shall be continuous at a desired rate of not less than 50 tons per hour.

- The Engineer may permit a lesser rate if satisfactory results are achieved. Upon arrival at the site, the mixture shall be dumped into the paver and immediately spread and struck off to the width required and to such appropriate loose depth that when the work is completed, the required compacted thickness of mixture will be obtained.
- B. The reference line shall be supported at approximately 25 foot intervals on tangent sections and at closer intervals on curves. The line shall be tensioned sufficiently to remove any sags. The Contractor shall erect and maintain the reference line to the satisfaction of the Engineer. A moving reference of at least 30 feet in length, unless otherwise permitted by the Engineer, such as a floating beam, ski, or other suitable type may be substituted for the reference line if the surface to be paved is sufficiently even and satisfactory results can be achieved. A short ski or shoe may also be used for the initial course with the permission of the Engineer is a satisfactory fixed reference such as a curb, gutter or other fixed reference is adjacent to the pavement. When the Contractor proposes to use either the floating beam or short ski in the place of the taut reference line, the Engineer may disapprove of the substitution if results are not similar to those obtained using the taut reference.
  - C. Subsequent pavement courses placed over the initial course shall be placed using one of the above methods. In addition, any course in an adjacent lane may be used as the reference for the use of a short ski. Whatever method the Contractor uses must be approved by the Engineer.
  - D. The automatic screed controls are not required where existing grades at roadway intersections or drainage structures must be met or in other areas where its use is impractical as determined by the Engineer.
  - E. The paving operation shall always maintain a crown in the centerline of the roadway and shall, in general, provide a 1/4" per 1 foot (0.021 ft/ft) cross-slope in the pavement unless otherwise directed by the Engineer.
  - F. Before any rolling is started, the loose mat shall be checked, any irregularities shall be adjusted by raking, adding more material (dusting) or similar as required. Any unsatisfactory material shall be removed and replaced. The Contractor shall employ sufficient personnel to perform these operations while operating the paver at the required placement rate.
  - G. The Contractor shall cover all catch basins when the paver passes over the top to insure asphalt does not enter them. Manholes and water valve covers shall be coated with fuel oil and immediately raked off to a uniform surrounding grade before compaction.

### 3.07 COMPACTION

- A. Immediately after the bituminous mixture has been spread, struck off and surface irregularities adjusted, it shall be thoroughly and uniformly compacted by rolling. The surface shall be rolled when the mixture is in proper condition and when the rolling does not cause undue displacement, cracking or shoving. All courses shall be initially rolled with the roller traveling parallel to the centerline of the pavement beginning at each edge and working toward the center. Banked curves shall be rolled starting at the low side edge and working toward the super-elevated edge. When the compaction procedure used by the Contractor fails to produce results acceptable to the Engineer, the procedure shall be

adjusted to obtain the desired results. Rollers shall move at a slow and uniform speed. The roller drive roll or wheel shall be nearest the paver.

- B. Any displacement occurring as a result of the reversing of the direction of a roller, or from other causes, shall be corrected at once by the use of rakes and addition of fresh mixture as required. Care shall be exercised in not to displace the line and grade of the edges of the bituminous mixture. To prevent adhesion of the mixture to the rollers, the wheels shall be kept properly moistened with water or water mixed with small quantities of detergent, but in no case shall a solvent having affect upon bituminous pavement be used.
- C. Along forms, curbs, headers, walls and other areas not accessible to the rollers, the mixtures shall be thoroughly compacted with mechanical tampers as directed by the Engineer. On depressed areas, a trench roller or a small vibratory roller approved by the Engineer may be used.
- D. Any mixture that becomes loose and broken, mixed with dirt, or is in any way defective shall be removed and replaced with fresh hot mixture which shall be compacted to conform with the surrounding area.
- E. The Contractor shall initially roll the pavement with an approved steel wheeled roller. The roller shall overlap the previous roller pass by one-half (except at the crown where it shall overlap by 6"). Immediately following the initial rolling the Contractor shall finish roll the pavement course. Where the Contractor uses an approved vibratory compaction roller, the one roller shall suffice for initial and final compaction rolling. Where a static roller is used by the Contractor two approved rollers shall be employed for compaction. Where the paving course exceeds 12 feet in width additional rollers shall be used as directed by the Engineer. The required minimum number of passes for compaction shall be follows:

Pavement Course	Initial rolling		Finish Rolling Static Passes
	Vibrating Passes	Static Passes	
T&L Courses and Top Courses	2	2	2

- F. No roller shall exceed 3 miles per hour operating speed (264 ft/min). If the Engineer determines that unsatisfactory compaction is being obtained or damage to highway components and or adjacent property is occurring using vibratory compaction equipment, the Contractor shall immediately cease using this equipment and proceed with the work using the two static wheel rollers as specified at no additional cost. The contractor should note that if he elects to use vibratory compaction equipment, he assumes full responsibility for the cost of repairing all damages which may occur to highway components and adjacent property.

### 3.08 JOINTS

- A. The finished pavement at joints shall comply with the surface smoothness requirements and exhibit the same uniformity of texture and compaction as other sections of the course. Rollers shall not pass over the unprotected edges of a freshly laid mixture unless permitted by the Engineer.

- B. In the formation of all joints, the exposed edge of the existing layer that will become part of the joint shall be the full thickness of the layer and straight. If the existing edge is unacceptable, the edge shall be corrected by using a power driven saw or other approved tools to cut a neat line.
- C. Transverse. The placing of the course shall be as continuous as possible. When continuing from a previously placed course the joint shall be formed by cutting back on the previous run to expose the full depth of the course.
- D. Longitudinal. Longitudinal joints in the surface course shall correspond with the edges of proposed traffic lanes unless otherwise directed by the Engineer.
- E. Saw cut at joints with existing pavement 1" deep and remove 18" width in front of saw cut for form a rebate joint with existing pavement. Bituminous Concrete Paving Section 02513  
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- F. Existing driveways will be reconstructed as required to meet revised street grade. Driveways are to be saw cut at point of removal as ordered by the Engineer in the field.

### 3.09 DENSE BINDER COURSE

- A. Place the dense base course on the new gravel subbase course manner as specified herein. The contractor shall use paving equipment as specified herein unless otherwise authorized by the Engineer. The dense base course shall have a nominal depth of 3 inches. The dense binder course shall be constructed of DOT Item 403.118902, Hot Mix Asphalt Type 1.

### 3.10 UTILITY COVER ADJUSTMENTS

- A. The Contractor shall raise or lower all manhole and catch basin covers or water valve boxes to meet the final grade.
- B. All work and materials shall conform to the requirements of the Water & Sewer Dept. The Contractor shall notify the Department in advance of the work and shall schedule the work so that a Department representative may be present to inspect all work.
- C. Manholes shall be adjusted to be 1" above the trueing and leveling course and shall be sloped as appropriate (1/4"/1') to follow the cross-slope of the pavement. Catch basins shall be adjusted to be 1/2" above the trueing and leveling course. The catch basins shall be sloped to follow the cross-slope of the pavement. Bricks used to adjust manhole and catch basin frames shall be the solid Concrete type. Manhole riser sections shall not be permitted for adjusting the elevation of the manhole cover. Manhole and catch basin covers shall be adjusted by excavating and breaking out the Concrete and shimming the cover with wood wedges to the proper elevation and then filling the shimmed area with mortar. Reflective barrels shall be placed at all covers in the traffic lanes until traffic can safely drive over. The asphalt patch around the cover shall allow traffic to safely pass over the cover and then shall be cut down to allow the full 1" top course layer. A string line shall be used to check the cover elevation in both the longitudinal and transverse direction.

- D. Water valve boxes shall be raised to be 1" above the trueing and leveling course. The boxes shall be raised by either excavating and freeing up the telescoping risers to adjust to final grade or by installing an approved valve box riser to meet the final grade. The Contractor shall use either method as he chooses so long as the results are satisfactory as determined by the Engineer. Only standard and approved risers shall be used for adjustments.
- E. Any utility cover damaged by the Contractor shall be replaced at the Contractors expense.
- F. All cost to adjust the utility cover as specified herein shall be included in the appropriate unit price bid item for each type cover.

### 3.11 FINISH COURSE

- A. Place the finish course in the manner as specified herein. The resurfacing course shall be with top course material, DOT Type 6, Item 403.178902.
- B. Before placing the finishing course the Contractor shall secure the approval from the Engineer that the roadway is acceptable (clean surface, proper adjustment of covers, proper grade, etc.). The Contractor shall supply a crown board and make a joint inspection of the truing and leveling course with the Engineer. If sections of the truing and leveling course exceeds the specified tolerance, the Contractor shall mark out these areas and place top course material to adjust low areas or cut-out and remove/replace high spots prior to placing the finishing course with the bituminous paver.
- C. All cost involved in traffic control, cleaning the roadway, hauling and placing the top course as specified and final clean-up shall be included in the bid price.

### 3.12 SURFACE TOLERANCE

- A. Each pavement surface shall be constructed to a 1/4" tolerance. If, in the opinion of the Engineer, the pavement surface is not being constructed or has not been constructed to this tolerance based upon visual observation or upon riding quality, he may test the surface with a 16 foot straight edge of string line placed parallel to the centerline of the pavement and with a 10 foot straight edge or string line placed transversely to the centerline of the pavement on any portion of the pavement. Variations exceeding 1/4" shall be satisfactorily corrected or the pavement re-laid at no additional cost to the Owner as ordered by the Engineer.

### 3.13 THICKNESS TOLERANCE

- A. The required pavement thickness as shown on the drawings is the nominal thickness. The pavement shall be so constructed that the final compacted thickness is as near to the nominal thickness as practical, and within the tolerances specified below.
- B. The Owner will, at the Owner's expense, reserve the right to take core samples and compaction test as deemed necessary by the Engineer to evaluate the course thickness if the actual paving quantities deviate significantly from the Engineer's estimated quantities.

- C. The Contractor shall provide the Engineer with truck tickets for all bituminous Concrete brought to the site. Quantities used for each course shall not be less than 10% of the theoretical tonnages (Paving Area in s.y. x Course Thickness in inches x 0.055 Tons/s.y./inch of thickness equals the theoretical tonnage for this Work).
- D. A tolerance not to exceed 1/4" from the required nominal thickness will be acceptable. No payment will be made for any extra thickness over and above the permissible tolerance except if the Engineer determines the extra thickness necessary to achieve a smooth riding surface. Where the pavement course is less than specified thickness, including tolerance, the Contractor shall take action, at his expense, as deemed appropriate by the Engineer to correct such condition (including entire resurfacing).

### 3.14 TACK COAT EQUIPMENT

- A. The Contractor shall provide a distributor for applying tack coat. The distributor shall be designed, equipped, maintained and operated so that the tack coat can be heated and applied uniformly on variable widths of surface up to 4.5 meters at readily determined and controlled rates from 0.14 to 9.10 L/m<sup>2</sup>, with uniform pressure, and with an allowable variation from any specified rate not to exceed 0.10 L/m<sup>2</sup>. Distributor equipment shall include a tachometer, accurate metering device or a calibrated tank, and a thermometer for measuring temperatures of tank contents. Distributors shall be equipped with a power unit for the pump, and full circulation spray bars adjustable laterally and vertically.
- B. The distributor may be equipped with an attached bristle broom designed such that it drags on the pavement behind the spray bars. If the broom is used, it shall be adjustable laterally and vertically so that the full width of the applied tack coat is broomed uniformly into the pavement surface.
- C. Distributors shall be equipped with an approved bituminous material sampling valve. The valve shall be installed as described in the written instructions. When samples are taken through such valves, they shall be considered representative of all material in the tank.
- D. Small power spray units of hand spray equipment will be permitted only in areas where the Engineer determines the use of a distributor is impractical.

### 3.15 TACK COAT APPLICATION.

- A. The tack coat shall be uniformly applied by a pressure distributor to a prepared clean pavement. The tack coat shall be applied as approved by the Engineer to offer the least inconvenience to traffic and to permit the one-way traffic, where practical, to prevent pickup or tracking of the bituminous material.
- B. The tack coat shall not be applied on a wet pavement surface or when the pavement surface temperature is below the temperature requirements outlined in NYSDOT Standard Specification Table 402-2 Temperature and seasonal Requirements of NYSDOT Standard Specification Section 402-3.01 HMA Pavements, Weather and Seasonal Limitations. The temperature and areas to be treated shall be approved by the Engineer prior to application. The application rate shall be 0.14 to 0.32 L/m<sup>2</sup> as approved by the Engineer. Table 407-1 contain recommended application rates for tack coat on various surfaces:

TABLE 407-1 TACK COAT APPLICATION RATE	
SURFACE TYPE	APPLICATION RATE (LITERS/m <sup>2</sup> )
New Hot Mix Asphalt	0.14 – 0.18
Milled Surface	0.21 – 0.25
Existing Hot Mix Asphalt	0.21 – 0.25
Portland Cement Concrete	0.17 – 0.30
Vertical Surface (curbs, concrete drainage structures, and appurtenances)	0.27 – 0.32

3.16 FIELD QUALITY CONTROL

- A. Testing to be done by owner.
  - 1. Test and analysis of bituminous concrete paving shall be performed in accordance with ASTM D2950 - 09 Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods.
  - 2. Remove, replace, and retest work that does not meet specified requirements at no additional cost to the OWNER.
  - 3. Test paving per 100 linear feet per lane.
  - 4. Provide access to work for testing when requested by OWNER.

**END OF SECTION**

## **SECTION 02 51 40 - PAVMENT MARKINGS**

### **PART I – GENERAL**

#### 1.01 DESCRIPTION

A. Work included: Preformed reflectorized plastic pavement markings, NYSDOT Item 688, to be applied to Ohio Avenue and to related intersections as described on the contract drawings.

B. Related Work:

Section 01 51 00 Maintenance of Traffic  
Section 02 51 30 Bituminous Concrete Paving

#### 1.02 QUALITY ASSURANCE

A. Qualifications of workers: Provide at least one person who shall be thoroughly trained and experienced in skills required, who shall be completely familiar with the design and application of work described for all times during progress of the work of this Section and shall direct all work performed under this Section.

#### 1.03 REFERENCE STANDARD

A. The term "Standard Specification" as used in this section shall mean the Standard Specifications, Construction and Materials, New York State Department of Transportation, Design and Construction Division, dated May 1, 2008 and including all addendums thereto. Where the Standard Specifications are cited such work or material shall conform in every respect except for "Method of Payment" or if cited otherwise herein.

### **PART 2 – PRODUCT**

#### 2.01 MATERIALS

A. Performed Reflectorized Pavement Markings

White and Yellow Performed Reflectorized Pavement Marking materials shall conform to the Standard Specifications, Items 688.01 through Item 688.04.



### **PART 3 – EXECUTION**

#### **3.01 PREFORMED REFLECTORIZED PAVEMENT MARKINGS**

- A. The centerlines, lane designation lines and symbols shall be placed on top of the newly placed bituminous pavement and rolled into the pavement as part of the paving operations.
- B. The application of performed markings during the paving operations shall not begin until finish rolling of new bituminous pavement is complete.
- C. At the time of marking application, the surface temperature of the new bituminous pavement shall be between 100 degrees F and 170 degrees F. The Contractor shall coordinate paving and preformed marking operations to conform with surface temperature requirements.
- D. Immediately after finish rolling is complete, the preformed marking shall be applied on the new bituminous surface. Traces of water or other residue from finish rolling operations shall first be removed. Immediately after its placement, the preformed marking shall be adhered to the warm pavement surface by rolling. Roller shall make a minimum one pass, and operate in the same direction that the marking was applied. Diagonal, reverse or crosswise rolling will not be allowed. The maximum one pass may be increased by the Engineer if, in his opinion, the desired adherence is not obtained.

**END OF SECTION**

## SECTION 02 92 30 - LAWNS AND GRASSES

### PART I – GENERAL

#### 1.01 DESCRIPTION

A. Work Included:

Seeding for area lawns, including furnishing, and placing of topsoil. All disturbed areas and all area within limit of work shall be seeded and topsoil placed.

B. Related Work:

1. Section 02 93 80 Sodding

#### 1.03 REFERENCES STANDARD

A. Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.

B. American Society for Testing and Materials (ASTM):

1. ASTM C 136, Sieve Analysis of Fine and Coarse Aggregates
2. ASTM E 11, Wire-Cloth Sieves for Testing Purposes

#### 1.04 SUBMITTALS

A. Make submittals in accordance with requirements of "Submittals."

B. Samples:

1. Seed - each mix: 1 pound
2. Topsoil: 50 pounds.
3. Lime: 10 pounds
4. Fertilizer: 10 pounds
5. Peat moss: 10 pounds

C. Manufacturer's Product Data: Submit for the following materials:

1. Aluminum sulfate
2. Fertilizer

D. Certificates: For the following products, submit labels from the manufacturer's container certifying that the product meets the specified requirements:

1. Grass seed
2. Ground limestone
3. Commercial fertilizer

1.05 QUALITY ASSURANCE

- A. Work will be subject to inspection at all times by the Engineer. The Owner reserves the right to engage an independent testing laboratory to analyze and test materials used in the construction of the work. Where directed by the Engineer the testing laboratory will make material analyses and will report to the Engineer whether materials conform to the requirements of this specification.
  - 1. Cost of tests and material analyses made by the testing laboratory will be borne by the Owner when they indicate compliance with the specification, and by the Contractor when they indicate non-compliance.
  - 2. Testing equipment will be provided by and tests performed by the testing laboratory. Upon request by the Engineer, the Contractor shall provide such auxiliary personnel and services needed to accomplish the testing work and to repair damage caused thereby to the permanent work.
  - 3. Determine gradation of granular materials in accordance with ASTM C 136. Sieves for determining material gradation shall be as described in ASTM E 11.
- B. Testing, analyses, and inspection required by the Contractor for his or her own information or guidance shall be at his own expense.
- C. Engage and pay for an independent testing agency to perform the following tests and analyses:
  - 1. Topsoil: Mechanical analysis of soil and determination of pH and organic matter content, and nutrient content. Recommendations shall be made by the testing agency as to the type and quantity of soil additives required to bring nutrient content and pH to satisfactory levels for seeding and sodding
  - 2. Peat Moss: Determine moisture absorption capacity, organic matter content, and pH.
- D. Do not use materials in construction until test results have been reviewed by the Engineer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver seed in original sealed containers, labeled with analysis of seed mixture, percentage of pure seed, year of production, net weight, date of packaging, location of packaging, and name of seed grower. Damaged packages will not be accepted.
- B. Deliver fertilizer in sealed waterproof bags, printed with manufacturer's name, weight, and guaranteed analysis.

1.07 PLANTING SEASON/SCHEDULING

- A. Complete seeding to allow full growing season prior to Final Completion. Maintain until Final Completion.

- B. Planting season for seeding with seed mixes shall be as follows:
  - 1. Spring: 4/15 to 6/15
  - 2. Fall: 8/15-9/15
- C. Plant only when weather and soil conditions are suitable for planting the material specified in accordance with locally accepted practice.
- D. Planting season may be extended with the written permission of the Engineer.

1.08 ACCEPTANCE

- A. Acceptance:
  - 1. The Engineer will inspect all work for Substantial Completion upon written request of the Contractor. The request shall be received at least ten calendar days before the anticipated date of inspection.
  - 2. Acceptance of material by the Engineer will be for general conformance to specified requirements, and shall not relieve the Contractor of responsibility for full conformance to the Contract Documents.
  - 3. Upon completion and reinspection of all repairs or renewals necessary in the judgement of the Engineer, the Engineer will recommend to the Owner that the work of this Section be accepted.
- B. Seed areas will be accepted when in compliance with all the following conditions:
  - 1. Roots are thoroughly knit to the soil
  - 2. All areas show a uniform stand of specified grass in healthy condition;
  - 3. At least 60 days have elapsed since the completion of work under this Section.

**PART 2 – PRODUCTS**

2.01 TOPSOIL

- A. Use suitable topsoil previously stockpiled on the site. Amend stockpiled silt subsoil with sand and organic material as necessary to create additional topsoil. Furnish any additional topsoil from off-site sources.
- B. Topsoil, whether stripped from site, amended on-site, or supplied from off-site, shall be a sandy loam as defined by the USDA Soil Conservation Service Soil Classification System, and conforming to the following:
  - 1. Mechanical Analysis:

Textural Class	% of Total Weight	Average %
Sand (0.05-2.0 mm dia. range)	45 – 75	45 – 75
Silt (0.002-0.05 mm dia. range)	15 – 35	25
Clay (less than 0.002 mm dia. range)	5 – 25	15

- 2. 95% of topsoil passing a 2.0 mm sieve.
- 3. Free of stones 1 in. in longest dimension, earth clods, plant parts, and debris.

- 4. Organic matter content equal to 4 to 12% of total dry weight.
- C. Topsoil shall have a pH value range of 6.0 to 6.5.
  - 1. If planting soil mixture does not fall within the required pH range, limestone or aluminum sulfate shall be added to bring the pH within the specified limit.
  - 2. If pH is below desired level add ground limestone. If pH is above desired level add aluminum sulfate.

2.02 SEED

- A. Seed mixture: Standard grade seed of the most recent season's crop. Seed shall be dry and free of mold. Seed shall be inoculated with endophytes. Seed mixture shall be as follows:
  - 1. SEED MIX NO. 1 - LAWN AREAS

Name of Seed	% by Weight in Mixture	Minimum % Purity	Minimum % Germination
Kentucky Blue - Grass Cultivars	60	98	99
Festuca rubra - "rubra" Creeping Red Fescue	30	98	85
Lolium multiflorum Annual Ryegrass	10	90	80

2.03 PEAT MOSS

- A. Horticultural grade, sphagnum peat moss containing partially decomposed fibrous or cellular stems and leaves of any of the many species of sphagnum mosses from fresh water sources conforming to the following requirements:
  - 1. Homogenous material free of decomposed colloidal residue lumps, roots, stones, and other foreign matter; and of such consistency that peat can be pass a 1/2-in. mesh and can be readily incorporated with the topsoil.
  - 2. pH: Not be less than 3.5 nor greater than 6.0 at 25 degrees C.
  - 3. Organic Matter Content: Not less than 90%, by weight, on an oven-dry basis.
  - 4. Ash Content: Not be more than 10%, by weight, on an oven-dry basis.
  - 5. Moisture Absorption Capacity: Not be less than 800%, by weight, on an oven-dry basis.

2.04 LIMESTONE

- A. Agricultural limestone containing a minimum of 85% total carbonates, by weight. Ground limestone shall be graded within the following limits:

Sieve Size	% Passing by Weight
No. 10	100
No. 20	90
No. 100	60

2.05 WATER

- A. Suitable for irrigation and free from ingredients harmful to seeded areas.

2.06 ALUMINUM SULFATE

- A. Unadulterated and delivered in containers with the name of the material and manufacturer, and net weight of contents.

2.07 COMMERCIAL FERTILIZER - LAWN AND ROUGH AREAS

- A. Lawn and rough areas: When applied as a topsoil amendment, fertilizer shall have an analysis that will deliver appropriate amounts of nitrogen, phosphorus, and potassium as required to remedy deficiencies revealed by testing the topsoil:
  - 1. 50% of nitrogen shall be derived from natural organic source of ureaform.
  - 2. Available phosphorus shall be derived from superphosphate, bone meal, or tankage.
  - 3. Potassium shall be derived from muriate of potash containing 60% potash.
- B. Fertilizer shall be delivered in manufacturer's standard container printed with manufacturer's name, material weight, and guaranteed analysis.
- C. Fertilizers with N-P-K analysis other than that stated above may be used provided that the application rate per square foot of nitrogen, phosphorus, and potassium is equal to that specified.

**PART 3 - EXECUTION**

3.01 PREPARATION OF SUBGRADE

- A. Examine subgrade to ensure that rough grading and all other subsurface work in lawn areas and other areas to be seeded is done prior to start of seeding.
- B. Loosen or scarify existing subgrade to a minimum depth of 3 in. prior to spreading topsoil. Bring subgrade to true and uniform grade, and clear of stones greater than 3 in., sticks, and other extraneous material.

3.02 SPREADING OF TOPSOIL

- A. Do not spread until it is possible to follow immediately or within 24 hours with seeding operations. If topsoil is spread prior to this time it shall be cultivated to loosen soil prior to seeding or sodding.
- B. Do not place topsoil when subgrade or topsoil material are frozen, excessively wet, or excessively dry.

- C. Spread topsoil in a uniform layer, to a thickness which will compact to the depth required to bring final lawn and grass surfaces to required elevation. Unless otherwise indicated minimum depth of topsoil shall be 6 in.
- D. Grade and smooth surfaces, eliminating sharp breaks by rounding, scraping off bumps and ridges, and filling in holes and cuts.

3.03 APPLICATION OF FERTILIZER AND CONDITIONERS

- A. Apply fertilizer and conditioners at the following rates:
  - 1. Peat moss - 1 in. thick.
  - 2. Limestone - as required by test results of topsoil.
  - 3. Fertilizer - as required by test results of topsoil.
- B. Mixing with topsoil:
  - 1. Fertilizer and conditioners shall be spread over the entire lawn areas at the application rates indicated above.
  - 2. Materials shall be uniformly and thoroughly mixed into the top 4 in. of topsoil by disking, rototilling, or other approved method.

3.04 FINISH GRADING

- A. Final surface of topsoil immediately before seeding shall be within + 1/2 in. of required elevation, with no ruts, mounds, ridges, or other faults, and no pockets or low spots in which water can collect. Stones, roots, and other debris greater than 1 in. in any dimension, which are visible at the surface, shall be removed and the resulting holes filled with topsoil, leaving a uniform planar surface.
- B. Finish grade surface with a drag or rake. Round out breaks in grade, smooth down lumps and ridges, fill in holes and crevices. Rolling with a light roller is acceptable, if the surface is scarified afterward.
- C. In the event of settlement, readjust the work to required finished grade.

3.05 SEED APPLICATION

- A. Broadcast seed by means of an approved mechanical spreader, to give a uniform application at the following rates:

Seed	Application Rate (lbs./1000 s.f.)
Seed Mixture No. 1 – Lawn Grass	4.5

- B. Apply seed in two equal applications for uniform coverage; direction of travel of spreader for second pass shall be perpendicular to that of the first pass. Do not seed when it is raining or snowing, or when wind velocity exceeds 5 mph.
  - 1. At the Contractor's option, and with the permission of the Engineer, seed may be spread by the hydroseeding method, utilizing power equipment commonly used for that purpose. Seed, lime, fertilizer, and mulch shall be mixed and applied to achieve application quantities specified herein for the conventional seeding method, with mulch applied at the rate of 1,200 lb./acre. Other provisions specified above for conventional seeding shall apply also to hydroseeding.
- C. Following seeding the area shall be lightly raked to mingle seed with top 1/8 to 1/4 in. of soil. Area shall then be fine graded. Stones and other debris greater than 1 in. in any dimension which are visible on surface shall be removed. Surface shall be rolled with a hand roller having a weight of 60 to 90 lb./ft. of width, and a minimum diameter of 2 ft.
- D. Following seeding and raking, entire area shall be watered by use of lawn sprinklers, or other approved means. Initial watering shall continue until the equivalent of a 2 in. depth of water has been applied to entire seeded surface, at a rate which will not dislodge the seed. Watering shall be repeated thereafter as frequently as required to prevent drying of the surface, until the grass attains an average height of 1/4 in. Watering methods and apparatus which may cause erosion of the surface shall not be permitted.

### 3.06 MAINTENANCE

- A. Except as otherwise specified below, maintenance shall include all operations required to produce an established lawn, including but not limited to:
  - Fertilizing
  - Mowing
  - Replanting
  - Watering
  - Weeding
- B. Maintenance of seeded areas shall begin upon completion of seeding and shall continue until acceptance of the building, until mowing as specified below is completed, or until average height of grass is 1-1/2 in., whichever occurs later.
- C. After grass has sprouted, seeded areas which fail to show a uniform stand of grass shall be replanted as often as necessary to establish an acceptable stand of grass.
  - 1. Scattered bare spots, shall not exceed 15 sq. in. each.
- D. First mowing shall be done when average height of grass is 2-1/2 in., with mower set to cut at a height of 1-1/2 in. Subsequent mowing shall be made at not over two-week intervals, with the height of cut set at 1-1/2 in. With prior permission of the Owner, mowing during periods of slow growth or dormancy may be spaced at greater intervals. No more than one-third of the total leaf area should be removed at any mowing. Clippings should be returned



to the turf because they replace organic matter in the soil and are a valuable source of nutrients. Clippings should be collected only if the grass is very wet or very long at the time of mowing.

- E. Remove weeds and growth other than varieties of grass named in grass seed formula. Removal may be accomplished by use of suitable herbicides or by physical removal, in which case top growth and roots shall both be removed, and bare spots exceeding specified limits shall be reseeded.
- F. If lawn or grass is established in the fall and maintenance is required to continue into spring months, apply lime and fertilizer to lawn and grass in the spring. Spread lime and fertilizer in a uniform layer over the entire lawn surface, at the following rates.

Material	Application Rate (lbs./1000 s.f.)
Lime	100
Fertilizer	20

**END OF SECTION**

## SECTION 02 93 80 - SODDING

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Work included: Provide all labor, equipment, materials and services necessary to complete the topsoiling and sodding work as indicated on the Drawings, specified herein, and needed for a complete and proper installation. The island areas shall have 4" of topsoil and sod placed on them in accordance with the requirements of this Section. The work includes, but is not necessarily limited to:
  - 1. Provide topsoil.
  - 2. Finish grading and ground preparation.
  - 3. Sodding and maintaining lawn areas.
- B. Related Work Specified Elsewhere:
  - 1. Section 02 22 10 Trenching, Backfilling, & Compaction

#### 1.02 JOB CONDITIONS

- A. Sodding may be done throughout the contract period provided that no sod is placed on frozen ground.
- B. Procuring Sod. The contractor shall exercise maximum care to retain the soil existing on the roots of the sod during transporting, handling and transplanting operations. Dumping or dropping of sod from vehicles will not be permitted. Sod shall be planted within twenty-four hours from the time of harvesting, unless it is tightly roller or stored, roots-to-roots, in a satisfactory manner. All sod in stacks shall be kept moist and protected from exposure to the sun and from freezing. The maximum period of storage shall be five days. Sod that is dry or otherwise fails to meet specification requirements will be rejected and shall be immediately removed from the site.

### PART 2 - PRODUCTS

#### 2.01 MATERIALS

- A. Topsoil
  - 1. Topsoil shall be the surface layer of soil and shall be free from refuse, any material toxic to plant growth, subsoil, woody vegetation, and stumps, roots, brush, stones, clay lumps or similar objects larger than two inches in greatest dimension. Sod and herbaceous growth such as grass and weeds need not be removed but shall be thoroughly broken up and mixed with the soil during handling.
  - 2. Topsoil shall meet the following requirements unless otherwise specifically stated on the plans and proposal:
    - a. The pH of the material shall be between 5.5 and 7.6. Verify pH at site and adjust with ground limestone to raise or with aluminum sulfate to lower pH. Add

limestone or aluminum sulfate at rate of 2-1/2 pounds per cubic yard of topsoil to raise pH one full point. Submit copy of test results to Engineer. Do not mix limestone with fertilizer.

- b. The organic content shall be not less than 5% nor more than 20%.
- c. Gradation shall be:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1"	100
1/2"	97 - 100
No. 100	60 - 40
No. 200	20 - 50

**B. FERTILEZER**

- 1. Commercial fertilizer 5-10-5 mixture shall be a complete fertilizer the elements of which are derived from organic sources and shall contain the following percentages by weight:

- a. 5% Nitrogen
- b. 10% Phosphoric Acid
- c. 5% Potash

**C. SOD**

Sod shall be commercially grown sod. Sources of sod shall be made known to the Engineer at least five days before cutting. Sod shall be cut into squares or rectangular portions which shall be 12" wide, or as approved, and may vary in length, but must be of a size which will permit them to be lifted without breaking. The sod, when delivered to the contract site, shall be sufficiently moist so the soil will adhere firmly to the roots when it is handled. Height of the grass shall not exceed three inches. The sod shall be cut to a minimum thickness of 3/4 of an inch. The sod shall be reasonably free from weeds in conformance with accepted commercial practice and shall consist of a mixture of permanent grasses such as blue grass and/or fine leaved fescues, unless otherwise specified.

**PART 3 - EXECUTION**

**3.01 GROUND PREPARATION.**

- A. There shall be a minimum of four inches of topsoil under all sod unless otherwise specified. The subgrade of areas to be sodded shall be excavated and firmed to a sufficient depth below the finished grade of the sod to accommodate the tamped or rolled thickness of topsoil and sod. Where sod is to be laid on existing topsoil, the work shall require stripping the existing topsoil, shaping the subgrade and replacing the topsoil to the lines, grades and depth specified.
- B. Fertilizer shall be applied at a rate of 50 pounds of nitrogen per acre. Fertilizer applied under this work shall be mixed with topsoil to a depth of at least two inches before the sod is laid, unless otherwise specified or approved. Mixing shall be accomplished by tilling, harrowing, raking or other approved means.

### 3.02 FINISHED GRADE FOR SOD

- A. When laid in strips adjacent to paths, pavements, drain inlets, and other structures, the finished sod surface shall be flush with the surface of the adjacent soil and the adjacent structures. Sod laid in drainageways and areas to be continuously or solidly sodded shall meet the finished grades as shown in the contract documents. Grades shall be formed with special care at the junction of drainageways.

### 3.03 PLACING SOD

- A. The moisture content of the soil on which sod is to be laid shall be acceptable to the Engineer and the soil shall be watered prior to sodding, if so desired. The sod shall be laid smoothly, edge to edge and all openings shall be plugged with sod. In drainageways, the sod shall be laid with the longest dimension parallel in the contours. Vertical joints between sides shall be staggered. Immediately after laying, sod shall be pressed firmly into contact with the sod bed by tamping, rolling, or by other approved methods to eliminate air pockets, provide true and even surfaces, insure knitting and protect all exposed sod edges, but without displacement of the sod or deformation of the finished sod surface. At the time of placing, the sodded areas shall be watered evenly and at a rate of 5 gallons per square yard, unless otherwise directed.

### 3.04 PEGGING

- A. Sod shall be held in place by stakes in all drainageways, on all slopes 1 on 2 or steeper and elsewhere as specified or as directed. Pegging shall be done immediately after tamping. At least one stake shall be driven through each sod to be pegged and the stakes shall be not more than two feet apart. Stakes shall be driven flush.

### 3.05 FINISHING

- A. Excess sod or excess soil resulting from excavations or trenching shall be disposed of as approved. Excess soil shall not be left to form a ridge adjacent to the sodded area or sodded strips.

### 3.06 CARE DURING CONSTRUCTION

- A. The Contractor shall care of the sodded areas until all work on the entire contract has been completed and accepted. Such care shall consist of providing protection against traffic by approved warning signs or barricades. In addition, the grass shall be mowed until the acceptance of the contract to a height of three inches when the growth reaches a height of five inches or as directed.
- B. All sod shall be watered at twice a week for a minimum of five weeks following installation, unless otherwise specified or directed. Additional watering shall be performed if required by the Engineer. When watered, sufficient water shall be applied to wet the sod at least two inches into the sod bed. Watering shall be done in a manner that will not cause erosion

nor other damage to the finish surfaces. Any surfaces that have settled, become gullied or otherwise damaged shall be repaired at the Contractor's expense to reestablish the grade and conditions of the soil prior to sodding and shall then be re-fertilized and re-sodded as specified under this work.

**3.07 LIABILITY**

- A. When the Engineer decides that any area that has been sodded fails for any reason to produce a satisfactory turf after a suitable period of time has elapsed, the Contractor shall re-sod such areas in the same manner as specified in the contract until a satisfactory turf has been established. Any work to be corrected shall be at the Contractor's expense. The contract will not be accepted until a satisfactory turf has been produced.

**END OF SECTION**

## **SECTION 03 30 00 - CONCRETE & RELATED WORK**

### **PART 1 - GENERAL**

#### **1.01 SCOPE OF WORK**

- A. Work included: Provide all cast-in-place concrete, complete, in place, as indicated on the Drawings, specified herein, and need for a complete and proper installation. The work includes, but is not necessary limited to:
1. Excavation or filling to prepare base.
  2. Concrete Sidewalks.
  3. Concrete Curbing
  4. Site restoration.

#### **1.02 QUALITY ASSURANCE**

- A. Use adequate numbers of skilled workman who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

#### **1.03 PRODUCT HANDLING**

A. General

1. All concrete must be protected against injury by sun, rain, freezing, vandalism, mechanical damage or premature drying. Any work damaged prior to the final acceptance of the work shall be repaired or replaced at the Contractor's expense.

B. Cold Weather Protection

1. The Contractor shall take the necessary steps to insure the concrete temperature is 45 degrees or more for at least a period of four days if the ambient air temperature is below 40 degrees Fahrenheit during the work. Acceptable methods to protect the concrete during cold weather are:
  - a. Heating of aggregates prior to mixing, using warm mix water, covering the concrete with hay and tarps or temporary structures and adding heat from external sources.
  - b. Winter protection methods shall conform to ACI Publication 504 and the Standard Specification, Section 555-3.06.
  - c. Any concrete which freezes will be rejected and replaced at the Contractor's expense.
  - d. Accelerating admixtures (e.g., calcium chloride) will not be permitted in lieu of proper winter protection as described above.
2. The Contractor shall submit to the Engineer for approval the proposed method(s) of winter protection.
3. Do not pour any concrete on frozen ground. Ground must be frost free.

- C. Warm Weather Protection
1. If the ambient air temperature exceeds 85 F, the Contractor shall take the following actions:
    - a. Provide continuous moist curing for a seven day period.
    - b. Follow Recommended Practice for Hot Weather Concreting (ACI 605). Water reducing and retarding admixtures conforming to the Standard Specification, Section 711-08, may be used as part of a warm weather protection plan.
  2. The Contractor shall submit to the Engineer for approval the proposed method(s) of warm weather protection.
- D. Protection of Work
1. The Contractor shall protect the work with barricades, fences, delineators, etc. to protect the work from physical damage and to adequately provide for traffic. All excavations shall have reflectorized warning devices for overnight protection.
  2. All unhardened concrete shall be protected against rain, when necessary, by the use of waterproof paper blankets.

### 1.03 REFERENCE STANDARD

- A. The term "Standard Specification" as used in this section shall mean the Standard Specifications, Construction and Materials, New York State Department of Transportation, Design and Construction Division, dated May 1, 2008 and including all addendums thereto. Where the Standard Specifications are cited such work or material shall conform in every respect except for "Method of Payment" or if cited otherwise herein.

## PART 2 - PRODUCTS

### 2.01 MATERIALS

- A. Concrete:
- Concrete shall be Class A for sidewalk and formed in place curb or Class J for slipform curb as required by the Standard Specifications, Section 501. Specific requirements are:
- |             |   |                       |
|-------------|---|-----------------------|
| Strength    | - | 4,000 psi (28 days)   |
| Air Content | - | 6.0% (+ 1.0%)         |
| Slump Range | - | 2-1/2 to 3-1/2 inches |
- B. Expansion Joints:
- All areas requiring expansion joints shall be filled with 1/2" premoulded bituminous impregnated expansion joint filler conforming to the Std. Specification, Section 705.07.

C. Gravel Fill:

Gravel fill used to bring the curb/and or sidewalk to proper grade and to fill in front of and underneath the curb shall be gravel or crushed limestone consisting of sound, hard durable particles, free from organics conforming to Standard Specification, Item 304.05 with the following gradation:

SIEVE SIZE	% PASSING BY WEIGHT
2"	100
1/2"	30 - 65
No. 40	5 - 40
No. 200	0 - 10

D. Bituminous Concrete:

Top Course: The 3-1/2" pavement for all driveway aprons shall be armor coat, Std. Specification Item 403.18.

### PART 3 - EXECUTION

#### 3.01 FINISHING ELEVATIONS & LINES

- A. Comply with pertinent provision of Section 01 05 00 Field Engineering.

#### 3.02 GENERAL REQUIREMENTS

A. Cutting Existing Pavement/Concrete & Excavation

1. The roadway pavement shall be cut for its full depth before excavation for the work commences (except for the IMPROVEMENTS area where complete roadway removal and replacement is to take place). The Contractor shall use a rotary saw and cut for the full depth and a neat straight cut is produced.
  - a. If the construction operations damage the cut line, the contractor shall cut out the damaged area/edge by square cutting the area to remove the damaged section as approved by the Engineer. Where existing edge of pavement is broken up, the contractor shall cut back and remove such pavement prior to patching.
  - b. The interior edge of all driveways shall also be saw-cut prior to excavation of the driveway for the curb and sidewalk.
  - c. The Contractor shall then excavate all existing material (curb, topsoil, etc) to allow placement of the base course to the proper line and grade.

#### 3.03 CURBING CONSTRUCTION REQUIREMENTS

A. Conventionally Formed Curb

1. **Casting segments.** Curb shall be cast in segments having a uniform of approximately 20 feet. Segments shall be separated by construction joints with provisions made at each joint for 1/4 inch expansion.
2. **Expansion joints.** Expansion joints 1/2" in width shall be formed with material as specified herein, placed at intervals of 40' or as specified by the Engineer. The filler



material shall be cut to conform to the cross section of the curb.

3. **Forms.** Forms shall be steel or wood, straight, free from warp, and of such construction that there will be no interference to inspection for grade or alignment. All forms shall extend for the full curb depth and shall be braced and secured adequately so that no displacement from alignment will occur during placing of concrete. Radius curb shall be approved steel radius forms with the required bevel face (the use of straight steel forms in segmented chords will not be acceptable to provide the radius curb). Oil forms prior to placement of concrete.
4. **Concrete Placing and Vibrating.** Concrete shall be placed in the forms by a chute not longer than 10 feet. If necessary, convey concrete further than 10 feet, use buggies, crane, bucket or pump machine. After placement, compact with an approved, immersion type mechanical vibrator. The vibrator shall be of the size and weight capable of thoroughly vibrating the entire mass without damaging or misaligning the forms and shall be approved by the Engineer. Vibrate concrete into all corners. Vibrators are mandatory for placing concrete. Forms shall be left in place for 24 hours or until the concrete has sufficiently hardened, as determined by the Engineer, so that they can be removed without injury to the curb. Upon removal of the forms, the exposed faces of the curb shall be immediately rubbed to a uniform surface. Rubbing shall be accomplished by competent finishers. No plastering will be permitted.

Concrete must be placed within 45 minutes of first mixing and adding of water. Discard concrete with initial set. No retempering of the mix will be permitted. Use radius tool (1-2/1" radius) to form round edge on curb face as detailed in the drawings. After curing period, hand rub radius with a mason's stone as may be necessary to remove any high spots.

B. **Machine Formed Concrete Curb: (NYS DOT Item 609.0401 Type YF 150)**

1. **Machine Forming.** Curb shall be machine formed to the proper line and grade. The Engineer may require the Contractor to demonstrate that the specific equipment he proposes to use is capable of satisfactorily placing the concrete mix. Where required new curb is inaccessible to the machine (due to obstructions or roadside structures), the Contractor shall form and cast-in-place all such curbing to match the machine curb.
2. **Contraction Joints.** Contraction joints shall be formed or saw cut to depths slightly below the surface of the adjacent pavement every 20 feet or as ordered by the Engineer.
3. **Concrete Finishing.** The exposed faces of the curb shall be immediately rubbed to a uniform surface. Rubbing shall be accomplished by competent finishers. No plastering will be permitted. Finishing to be by hand rubbing with a mason's sponge. After the curing period, hand rub radius with a mason's stone as may be necessary to remove any high spots.

3.04 SIDEWALK CONSTRUCTION

- A. **Forms and Placement.** Prepare and compact subbase and add gravel base (Item 4) to provide at least a 6" base course to bring forms to proper grade as shown on the cross-sections or as determined by the Engineer. Remove all standing water from the form area prior to placement of any concrete. Moisten the base material immediately prior to placement of concrete. Rigidly brace all forms. Place concrete in one course, monolithic

construction for the full width and 4" of the walk area and 6" depths at all driveways of the sidewalk. Place concrete within 45 minutes of mixing. Discard concrete with initial set. No re-tampering will be allowed. Use of chutes longer than 10' is prohibited.

- B. **Expansion Joints.** Locate expansion joints in sidewalk areas about every 20 lineal feet. Also locate expansion joint material between all proposed sidewalk and existing building faces, sidewalks, curbs, pole structures, walls or walkways. Expansion joint material shall be cut to conform to the cross-section of the proposed new sidewalk area. Where the joint material is to go against an existing building wall or curb line, the Contractor shall take care to clean the face of the wall and chip away all irregularities so the material will fit flush. The Contractor shall saw-cut any concrete walks, curb or walls to the full depth to insure a flush fit of the joint material
- C. **Spreading Concrete.** Spread concrete as soon as it is deposited on the subbase using methods which prevent segregation of the mix and with as little rehandling as possible. Consolidate concrete along the face of forms and adjacent to transverse joints with an internal vibrator. Use only square-faced shovels for hand-spreading and consolidation. Sidewalks shall be constructed by placing concrete continuously to an elevation higher than the forms. The concrete shall then be screeded to the correct elevations and worked with a wooden or metal float to produce a uniform surface. Floating shall be kept to a minimum, consistent with the desired finish, in order to avoid overworking the concrete. After floating, test the surface for trueness with a straight edge. Distribute concrete as required to remove surface irregularities and refloat repaired areas to provide a continuous smooth finish.
- D. **Finishing Concrete.** After completion of floating and when excess moisture or surface sheen has disappeared, complete surface finishing as follows.
  - 1. Work edges of slabs and joints with a 1/2" radius edging tool, with a 2" side troweled edge.
  - 2. Locate score lines as directed by Engineer (use 1/2" radius tool with 1-1/2" edge for score lines). In general, locate score lines so as to form a square sidewalk block, to coincide with existing lines and walks and to match expansion joint locations.
  - 3. Broom finish by lightly drawing a medium bristle broom across the surface, perpendicular to normal travel.

### 3.05 CURING

- A. All concrete placed shall be cured for a period of four (4) days by one of the following methods:
  - 1. **Clear(fugitive dye) Membrane Curing Compound.** The curing compound shall conform to the requirements of the Standard Specification, Section 711-05. The compound shall be applied **by means of a pressure spraying system at a minimum rate of one gallon per 150 square feet of surface.** The equipment for applying the compound shall be such that the compound is applied as a fine spray with no surface damage to the concrete. The equipment used shall provide for the adequate agitation of the compound during application, and shall be approved by the Engineer before work is started. Should the application method produce a non-uniform film, the Contractor shall use another curing

method acceptable to the Engineer.

2. **Waterproof Paper Blankets.** These shall meet the requirements of the Standard Specification, Section 711-01.
  3. **Polyethylene Coated Burlap Blankets.** These shall meet the requirements of the Standard Specification, Section 711-03.
  4. **Polyethylene Curing Covers (White Opaque).** These shall meet the requirements of the Standard Specification, Section 711-04.
- B. The clear (fugitive dye) membrane curing compound shall be sprayed on the concrete surface immediately following the finishing operation, or form removal, whichever is applicable. Curing covers shall be placed as soon after concrete finishing as the Engineer determines will not cause damage to the concrete surface. However, in no case will the foregoing time period exceed 30 minutes.

### 3.06 SURFACE TEST

- A. After the concrete has hardened sufficiently, the engineering shall test the surface using a 10 foot straight edge. Where the surface deviations exceed 3/8 inch in ten feet, the concrete shall be removed and replaced by and at the Contractor's expense.

### 3.07 DEFECTIVE OR DAMAGED CONCRETE

- A. All defective or damaged concrete which occurs prior to the final acceptance of the work shall be repaired or replaced at the contractor's expense (method as directed by the Engineer). The defects shall include, but are not limited to spelling, irregular cracking at the joints, edge spells, honeycombing, physical damage by operations or traffic, vandalism, concrete not meeting the line and grade tolerance. Any concrete requiring complete replacement, as determined by the Engineer, shall be replaced in kind as concrete originally called for in the plans and these specifications.

### 3.08 RESTORATION OF ROADWAY AND DRIVEWAYS

- A. The Contractor shall backfill the area behind the curb and in front with Item 4 gravel and prepare the gravel for the next course. In front of the curb, the Contractor shall install 3-1/2 inches of top course paving (403.18) and compact the material with a small steel wheeled pavement roller or equal method as approved by the Engineer. The asphalt patch in front of the curb shall slope at 1/4" to 1" to the curb.
- B. All driveways aprons as shown on the drawings shall be completely removed and replaced. The Contractor shall remove all existing pavement and any curb returns. Saw-cut driveway aprons at property line as shown on plans. The area shall then be regraded to meet the revised grades as directed by the Engineer. If additional fill is required, the Contractor shall supply Item 4 gravel to bring the area to the required grade. The sub-base shall then be compacted and a 3-1/2" layer of top course shall be placed and compacted in two (2) courses in accordance with generally accepted standards for such construction. Where saw-cut lines are damaged during excavation and re-grading, they shall be re-done by end at the contractor's expense to remove the damaged area.

3.09 TOPSOIL AND SODDING

- A. The Contractor shall place at least a 4" layer of topsoil in the areas between the sidewalk and curb and behind the sidewalk to allow a smooth transition (maximum slope 6 horizontal to 1 vertical) to meet the existing lawn area (in any case - at least three feet behind the new sidewalk).
- B. After the topsoil is spread, all large stiff clods, rocks, roots or other foreign matter shall be cleared and disposed of by the Contractor so that the finished surface will be acceptable for sodding.

**END OF SECTION**

## SECTION 33 11 00 – WATER DISTRIBUTION SYSTEM

### PART 1 – GENERAL

#### 1.01 DESCRIPTION

- A. Provide all material, labor, equipment, services, necessary to install the water distribution piping and appurtenances. The work shall include, but is not limited to, the following:
  - 1. Water distribution piping.
  - 2. Valves, tees, fittings and connections.
  - 3. Hydrant
  - 4. Water service laterals.
  
- B. Related work:
  - 1. Section 02 22 10            Trenching, Backfilling, & Compaction
  
- C. Permits:  
Owner will provide all necessary tapping permits and fees from the City of Plattsburgh.

#### 1.02 REFERENCE STANDARDS

- A. All pipe, fittings and accessories shall conform to the requirements of the following standard specifications:

NOTE:

ANSI = American National Standards Institute and

AWWA = American Water Works Association

- 1. ANSI/AWWA - C104/A21.4. Standard Specifications for Cement Mortar Lining for Ductile Iron Pipe and Fittings for Water.
- 2. ANSI/AWWA - C105/A21.5. Standard for Polyethylene Encasement for Ductile Iron Pipe in Corrosive Soils.
- 3. ANSI/AWWA - C110/A21.10. Standard Specification for Ductile Iron Fittings, 2 inches through 48 inches, for water and other liquids.
- 4. ANSI/AWWA - C111/A21.11. Standard Specifications for Rubber Gasket Joints for Ductile Iron Pressure Pipe and Fittings.
- 5. ANSI/AWWA - C150/A21.50. Standard Specifications for thickness Design of Ductile Iron Pipe.
- 6. ANSI/AWWA - C151/A21.51. Standard Specifications for Ductile Iron Pipe, Centrifugally Cast in Metal or Sand-Lined Molds for water or other liquids.
- 7. ANSI/AWWA - C153/A21.53-84. Standard for Ductile Iron Compact Fittings, 2" through 12", for Water and Other Liquids.
- 8. ANSI/AWWA - C500. Standard for Gate Valves for Water and Sewerage Systems.
- 9. ANSI/AWWA - C600-87. Standard for Installation of Ductile-Iron Water Mains and their Appurtenances.
- 10. ANSI/AWWA - C502. Standard for Dry-Barrel Fire Hydrants.

11. City of Plattsburgh Public Works Department

1.03 SUBMITTALS

- A. Shop Drawings/product Data: Submit shop drawings and product data in accordance with the provisions of Section 01 33 00, Submittals for the following:
1. Water Main Piping.
  2. Water Main Fittings and Valves.
  3. Hydrants.
  4. Water Service Lateral Piping and Fittings.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. The Contractor's attention is directed to the fact that ductile iron used for pipe and fittings and the cement linings are comparatively brittle. Every care shall be taken in handling and laying pipe and fittings to avoid damaging the pipe and linings, or scratching or marring the machined surfaces.
- B. Any fitting showing a crack and any fitting or pipe which has received a severe blow that may cause an incipient fracture, even though no such fracture can be seen, shall be marked as rejected and removed from the job site at once.
- C. In any pipe showing a distinct crack and in which it is believed there is no incipient fracture beyond the limits of the visible crack, the cracked portions, if so approved by the Architect, may be cut off, by and at the expense of the Contractor, before the pipe is laid so the pipe used may be perfectly sound. The cut shall be made in the sound portion of the barrel at a point at least 12 inches from the visible limits of the crack.
- D. Except as otherwise approved, all cutting shall be done with a machine having rolling wheel cutters or knives adapted for this purpose. Hammer and chisel shall not be used to cut pipe. All cut ends shall be examined for possible cracks caused by cutting.
- E. Any damage to the pipe cement lining shall render such pipe unfit for use and shall not be used. Protective guards shall not be removed until the pipe is to be installed.

**PART 2 - PRODUCTS**

2.01 GENERAL

- A. All materials used shall meet the requirements as specified below and shall comply with the appropriate reference standard for such material as cited above.
- B. Material substitutes for brand names cited shall be permitted upon submittal of adequate documentation indicating such item is equal to the one specified as determined by the Architect. Only the brands listed for certain items (hydrants, water service fittings, and so on) will be acceptable under this contract by the Owner to allow their proper servicing in the future.

- C. Lead tipped gaskets shall not be permitted on any piping or fittings. Provide alternate method for electrical continuity.

## 2.02 WATER MAIN PIPING

- A. Ductile Iron Pipe, Push-On Joint (provide brass wedges for continuity), Pressure/Pipe Class: 350/50, Cement Lined.

## 2.03 GATE VALVES

- A. Valves Requirements:
- AWWA Standard for Gate Valves for Ordinary Water Works Service, Designation C500 & C509.
  - Designed for a working water pressure of 200 psi for sizes up to 12 inch and at least 150 psi for sizes 14 inches and larger in diameter.
  - Manufacturer(s): Kennedy Valve Co., Mueller Co.
  - Type: Resilient Wedge Gate Valve – MJ
  - Open: Left (Counter-Clockwise) with 2" square operating nut
  - Valve Boxes: Cast Iron (two piece minimum)
  - Valve to be installed only in horizontal position.
  - O-Ring packing in stuffing box.

## 2.04 WATER MAIN FITTINGS

- A. Road Boxes. Two piece screw type, heavy pattern type, inside diameter of at least 4-1/2 inches. Provide the upper screw section with a flange having sufficient bearing capacity to prevent undue settlement. The lower section of the box shall be designed to enclose the operating nut and stuffing box of the valve and rest on the valve bonnet. The boxes shall be adjustable through at least 6 inches vertically without reducing the lap between sections to less than 4 inches. Covers shall be close fitting and substantially dirt-tight. The top of the cover shall be flush with the top of the box rim. Central Foundry #B-5004, 5-1/4" shaft 26" Top section with 36" or 48" bottom section.
- B. Tie Rods – NOT ALLOWED
- C. All pipe fittings shall have bell mechanical joint ends with retaining glands preferred rather than thrust blocks. Compact Ductile Iron (C153) required unless otherwise noted for size 6 NPS to 8 NPS. All fittings used shall have a rated working pressure of 200 psi (non-shock cold water) and a hydrostatic test pressure of 400 psi.

## 2.05 WATER SERVICE LATERAL PIPING & FITTINGS

- A. Piping. Copper, Type K, Tubing to be hot rolled with compression fittings only. Minimum Size: 3/4".
- B. Corporation Stops. Pack Joint Type. For 3/4" and 1" size either Ford F1100 or Mueller H-15008, with Mueller 110 Conductive Compression Connection for CTS O.D. tubing. For 1-1/2" and 2" size Mueller H-15013. The 3/4" stop shall be plug type and the 1" or larger shall be of the ball valve type or approved equal.
- C. Curb Stops. For 3/4" size either Ford B44-333 or Mueller, Oriseal III, H-1504-2, with Mueller 110 Conductive Compression Connection for CTS O.D. tubing - both ends. For 1" size either Ford B44-444 or Mueller H-1504-2 or approved equal.
- D. Curb Boxes. For 1/2" to 1" stops use Daigle #D-1 or Mueller H-10314 or approved equal.

#### 2.06 TAPPING SLEEVE & TAPPING VALVE

- A. The tapping sleeve shall be a Mueller, Mechanical Joint with rubber gaskets, 200 psi working pressure, Model H-615 or approved equal.
- B. The tapping valve shall be a Mueller, M.J., 200 psi working pressure, 400 psi test pressure, Model H-667 or approved equal.

#### 2.07 HYDRANT

- A. Hydrant(s) supplied shall be equal CLOW Valve Co. or equal. The hydrant shall be a model F-2640 "Eddy" with Drain color red. The hydrant shall open to the left (counter - clockwise) and close to the right (clockwise). Shall have one pumper nozzle 4 1/2" NST and two hose nozzles two 2 1/2" NST. The hydrant shall have a 7/8" square operating nut and the hose caps shall have National Standard Hose Threads (7 per inch) with 7/8" nuts on the hose caps. The hydrant shall be provided with a 6" mechanical joint connection. The hydrant is to be buried at a depth of 5'-6".

#### 2.08 WATER METER

- A. Water meter will be provided by the City of Plattsburgh. Contractor shall be responsible for the cost of said meter.

#### 2.09 BACK FLOW PREVENTOR

- A. Back Flow Preventor supplied shall be Watts or equal, and testable. Contractor shall submit manufactures cut sheets for approval by City of Plattsburgh prior to installation.

### **PART 3 - EXECUTION**



### 3.01 METHOD OF INSTALLATION

- A. No defective pipe or fittings shall be laid or placed in the trench and any piece discovered to be defective after having been laid or placed shall be removed and replaced by the Contractor.
- B. Each pipe and fitting shall be cleared of all debris, dirt, etc. before being laid and shall be kept clean until accepted by the Owner.
- C. Fill irregularities in the trench bottom with one foot of sand and mechanically compact the layer with a vibratory plate tamper or equal. Piping is to be completely supported with sand throughout its entire length. The minimum depth of cover over the top of the water line shall be 5.50 feet at all points except where connections must be made to existing lines above this height or as directed by the Engineer.
- D. Assemble pipe in accordance with the manufacturer's recommendations. The deflection of alignment at a joint shall not exceed the appropriate permissible deflection as specified by the manufacturer.

### 3.02 ASSEMBLING PUSH-ON JOINT PIPING

- A. Surfaces against which the gasket will come in contact shall be thoroughly brushed with a wire brush and washed with clean water prior to assembly of the joint. The gasket shall be cleaned and properly inserted into the groove of the bell. The gasket and the pipe for a distance of 1 inch from the spigot end shall be lubricated with an approved nontoxic gasket lubricant. The cut ends of the pipe shall be chamfered to facilitate assembly. The pipe shall be aligned and inserted into the gasket, and then forced past the gasket until the pipe seats against the base of the bell. If the assembly is not accomplished with the application of reasonable force, then the plain end shall be removed to check for proper positioning of the gasket.
- B. Care shall be taken in making up each joint. If effective sealing of the joint is not attained, the joint shall be disassembled, thoroughly cleaned, a new gasket inserted and then reassembled.

- C. The maximum deflection for this type pipe (18 ft. length) is as follows:

PIPE SIZE (Inches)	MAX BEND ANGLE AT JOINT(Deg.)	MAX DEFLECTION PER LENGTH (In.)
4	5	19
6	5	19
8	5	19
10	5	19
12	5	19
14	5	11

- D. Electrical conductivity shall be provided either by a copper jumper strip to two welded copper strips with bolts and nuts at each joint (capable of a capacity of 600 amperes for a sustained period of time) or with two 3/4 inch diameter conductivity set screw lugs cast in the joint at 180 degrees apart or with serrated silicon bronze wedges (two wedges at 180 degrees apart for up to 12" pipe and then four wedges for larger sizes).

### 3.03 ASSEMBLING SLEEVE-TYPE COUPLINGS

- A. Prior to the installation of sleeve-type couplings, the pipe ends shall be cleaned thoroughly for a distance of 8 in. Soapy water may be used as a gasket lubricant. A follower and gasket in that order, shall be slipped over each pipe to a distance of about 6 in. from the end, and the middle ring shall be placed on the already laid pipe and until it is properly cemented over the joint. The other pipe end shall be inserted into the middle ring and brought to proper position in relation to the pipe already laid. The gaskets and followers shall then be pressed evenly and firmly into the middle ring flares.
- B. After the bolts have been inserted and all nuts have been made up fingertight, diametrically opposite nuts shall be progressively and uniformly tightened all around the joint, by use of a torque wrench of the appropriate size and torque for the bolts.
- C. The correct torque as indicated by a torque wrench shall not exceed 90 ft. lb.

### 3.04 WATER MAIN FITTINGS

- A. All valves, fittings and appurtenances shall be set and jointed as indicated on the drawings.
- B. All valves shall be carefully erected and supported in their respective positions free from all distortion and strain. Care shall be taken to prevent damage or injury to the valves or appurtenances during handling and installation. All material shall be carefully inspected for defects in workmanship and materials, all debris and foreign material cleaned out of valve openings and seats, all operating mechanisms operated to check their proper functioning, and all nuts and bolts for tightness. Valves and other equipment which do not operate easily or are otherwise defective shall be repaired or replaced at the Contractor's expense.

- C. Valve boxes shall be set plumb and centered over the valve operating nut. Earth fill around valve boxes shall be carefully tamped to a distance of 4 ft. on all sides of the box or to the undisturbed face of the trench if less than 4 ft.
- D. Where indicated or necessary to prevent joints or sleeve couplings from pulling apart under pressure, suitable retaining glands, thrust blocks, socket pipe clamps, tie rods and bridles shall be provided. Bridles and tie rods shall be at least 3/4 in. diameter except where they replace flange bolts of smaller size, in which case they shall be fitted with a nut on each side of the pair of flanges. The socket clamps and tie rods or bridles shall be coated with an approved bituminous paint after assembly or if necessary, prior to assembly.
- E. At all times, when pipe laying is not actually in progress, the open ends of pipe shall be closed by temporary watertight plugs or by other approved means. If water is in the trench when work is resumed, the plug shall not be removed until all danger of water entering the pipe has passed.

### 3.06 TAPPED CONNECTIONS

- A. Tapped connections in pipe and fittings shall be made in such manner as to provide a watertight joint and adequate strength against pull-out. The maximum size of taps in pipe or fittings without bosses shall not exceed that listed in the appropriate table of the Appendix to the ANSI A21.51 based on 3 full threads for ductile iron.
- B. Where the size of the connection exceeds that given above for the pipe in question, a boss shall be provided on the pipe barrel, the tap shall be made in the flat part of the intersection of the run and branch of a tee or cross, or the connection shall be made by means of a tapped tee, branch fitting and tapped plug or reducing flange, or tapping tee and tapping valve, all as indicated or approved.
- C. All drilling and tapping of ductile iron pipe shall be done normal to the longitudinal axis of the pipe; fittings shall be drilled and tapped similarly, as appropriate. Drillings and tapping shall be done only by skilled mechanics. Tools shall be adapted to the work and in good condition so as to produce good, clean-cut threads of the correct size, pitch, and taper.
- D. The Contractor is responsible for obtaining the right size sleeve for the outer diameter of the existing 8" waterline and should obtain field measurements of the O.D. to insure the right size sleeve is purchased for use.

### 3.07 HYDRANT INSTALLATIONS

- A. Prior to installation, all hydrants shall be inspected for direction of opening, nozzle threading, operating-nut and cap-nut dimensions, tightness of pressure-containing bottling, cleanliness of inlet elbow, handling damage, and cracks. Defective hydrants shall be corrected or held for inspection by the Engineer.
- B. All hydrants shall stand plumb and shall have their nozzles parallel with or at right angles to the curb, with pumper nozzle facing the curb.

- C. Hydrants (traffic model) shall be installed such that the breakaway flange shall be installed not less than 2 inches, nor more than 6 inches, above established grade. The necessary risers, fittings and extensions shall be used to meet this grade requirement.
- D. Each hydrant shall be connected to the main with a 6 inch diameter branch controlled by an independent valve. The valve shall be located such that it is approximately 24 inches behind the face of curb. The valve shall be restrained to allow shutoff when the hydrant is to be removed.
- E. The dry barrel hydrant shall be provided with a drainage pit 2 ft. x 2 ft x 2 ft. excavated below each hydrant. The drainage pit shall be filled with underdrain filter material under the around the elbow of the hydrant to a level of 6 inches above the drain port. The hydrant shall be set upon a slab of stone or concrete not less than 4 inches thick and 15 inches square.
- F. The bowl of each hydrant shall be well braced against a sufficient area of unexcavated earth at the end of the trench with a concrete thrust block, or it shall be tied to the pipe with metal tie rods, clamps or restrained joints as indicated on the detail at the end of this section.
- G. All existing hydrants that call to be removed or replaced during construction, shall be returned to the Owner once construction is completed.

### 3.08 WATER SERVICE LATERAL CONNECTIONS

- A. Provide a new corporation stop, new copper piping, new curb stop and curb box and fittings and adapters as necessary to connect the new line to the existing line on the property owner's side of the existing curb stop and box.
- B. Provide the top telescoping section of a road box to go over all curb boxes since the boxes will be located in the roadway pavement. The contractor shall supply all factory standard adapters, reducers and fittings to connect the new curb stop to the existing line.
- C. The existing service lateral shall be abandoned in place except the curb box shall be removed.
- D. The existing line from the curb stop to the buildings are privately owned and shall not be replaced under this contract.
- E. All laterals lengths shown on the Contact Drawings are approximate, Contractor shall verify lengths in field and report any inaccuracies to the Architect prior to installation. If Contractor fails to notify Architect prior to installation, any additional work shall be preformed at NO additional cost to the Owner.

### 3.09 CLEANING AND PRESSURE TESTING

- A. Prior to the pressure and leakage tests, the piping shall be thoroughly cleaned of all dirt, dust, oil, grease and other foreign material. This work shall be done with care to avoid damage to linings and coatings.
- B. Except as otherwise directed, all pipelines, shall be given combined pressure and leakage tests in sections of approved lengths. The Contractor shall be responsible for conducting all tests and shall supply the necessary instruments and tools. The Contractor shall be responsible for providing taps and fittings (minimum of two) into the new main to allow the testing to proceed. It shall be the responsibility of the Contractor to conduct the testing of the new lines and fittings. The main line shall be tested before the service lateral connections are made.
- C. The Contractor will conduct the test in accordance with AWWA C600-87, Section 4, Hydrostatic Testing. The allowable leakage for the pipe installation to be accepted shall not be greater than that determined by the following formula:

$$L = S \times D \times (P)^{1/2} / 133,200$$

Where:

- L = allowable leakage in gallons per hour
- S = length of pipe tested, in feet
- D = nominal diameter of the pipe, in inches
- P = average test pressure during the leakage test, in pounds per square inch (gauge).

This formula is based on an allowable leakage of 11.65 gpd/mi/in. of nominal diameter at a pressure of 150 psi.

- D. If the line fails to pass the leakage test, the Contractor, at his/her expense, locate and make approved repairs as necessary until the leakage is within the specified allowance.
- E. All tests shall be performed under direct supervision by the City of Plattsburgh Public Works Department and the OWNER. Contractor shall be responsible for coordinating all work with City of Plattsburgh.

### 3.10 DISINFECTING AND FLUSHING

- A. The Contractor shall disinfect the lines carrying potable water. The Contractor shall submit in writing to the OWNER for approval the proposed method for disinfecting the water main prior to installation.
- B. The Contractor shall furnish all equipment and materials necessary to do the work of disinfecting, and shall perform the work in accordance with the procedure outlined in the

AWWA Standard for Disinfecting Water Mains, Designation C651. Disinfection by placing tablets in the piping as the installation proceeds is not an acceptable method under this contract.

- C. The dosage shall be such as to produce not less than 10 mg/l after 24 hours.
- D. After treatment, the main shall be flushed with clean water until the residual chlorine content does not exceed 0.2 ppm.
- E. During the disinfection period, care shall be exercised to prevent contamination of water in existing mains.
- F. The Contractor shall dispose of the water used in disinfecting and flushing in an approved manner (hoses to storm sewer).
- G. Contractor will be responsible for providing a minimum of two consecutive water tests demonstrating the absence of any bacterial (one after disinfection and flushing, the second 24 hour later) prior to acceptance.

### 3.11 INSPECTION

- A. The Engineer or his representative shall be contacted by the Contractor to inspect all work before it is backfilled. All installations shall be approved or revised as directed by the Architect before any backfilling.

**END OF SECTION**



CONTRACT NO. 2020-03

OHIO AVENUE  
WATER MAIN REPLACEMENT

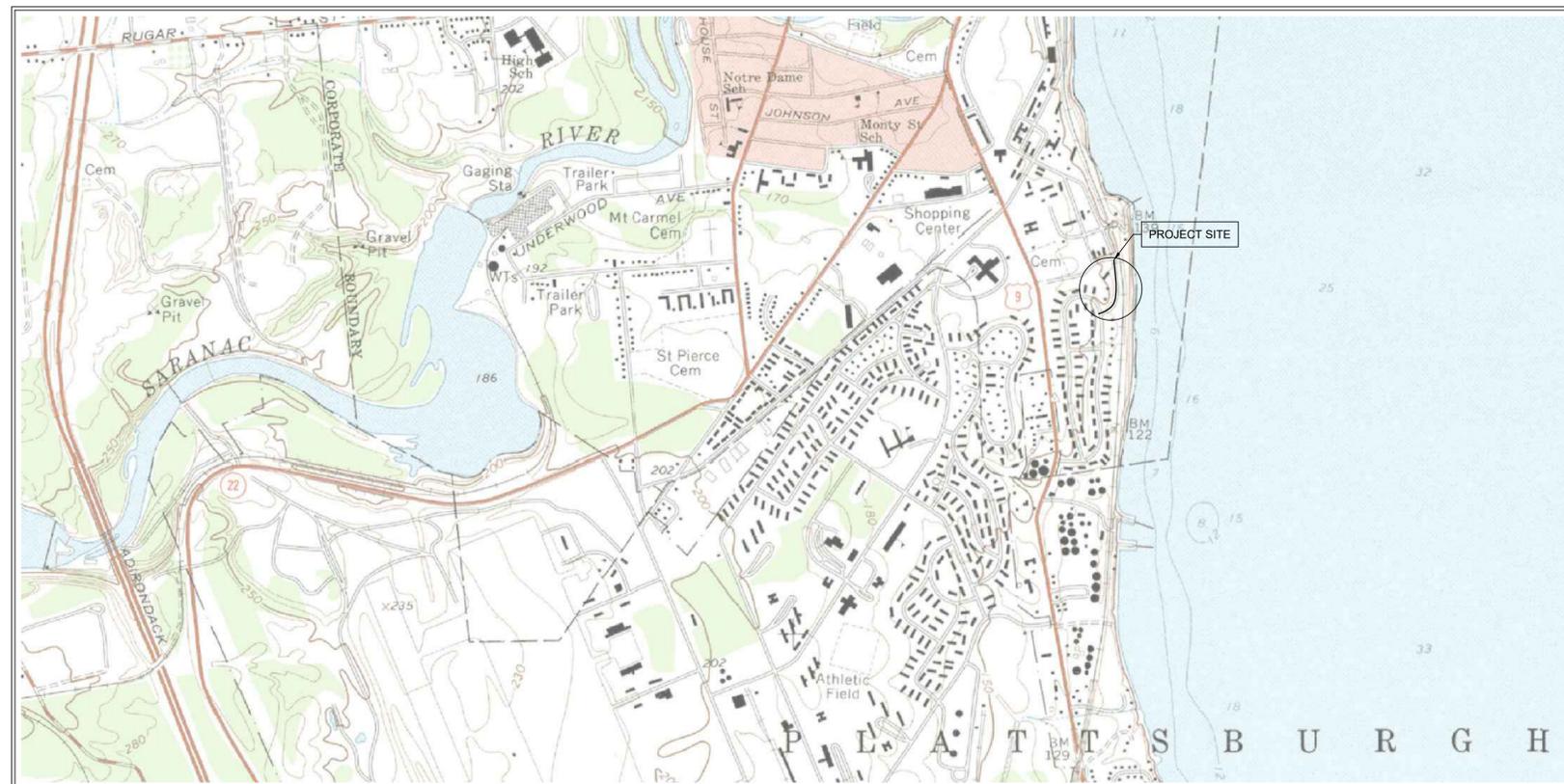
CITY OF PLATTSBURGH, CLINTON COUNTY

JUNE 4, 2020

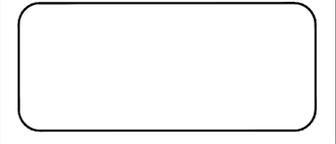
CITY OF PLATTSBURGH DEPARTMENT OF PUBLIC WORKS

MAGNETIC 2020

CONTRACTOR'S NAME:	_____
AWARD DATE:	_____
COMPLETION DATE:	_____
FINAL ACCEPTANCE DATE:	_____
CITY OFFICIAL:	_____
ENGINEER IN CHARGE:	_____
FINAL COST TOTAL:	_____
FISCAL SHARE	COST(S)



No.	Revision/Issue	Date



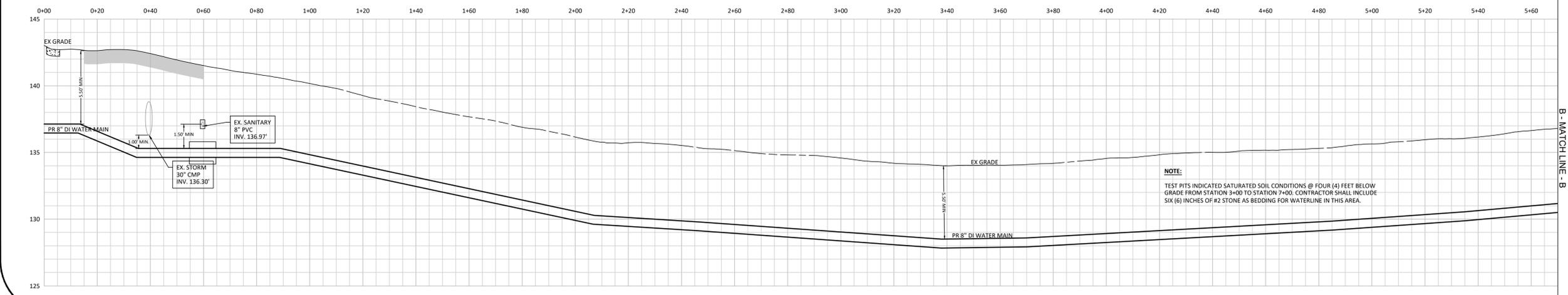
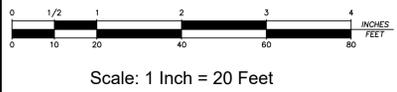
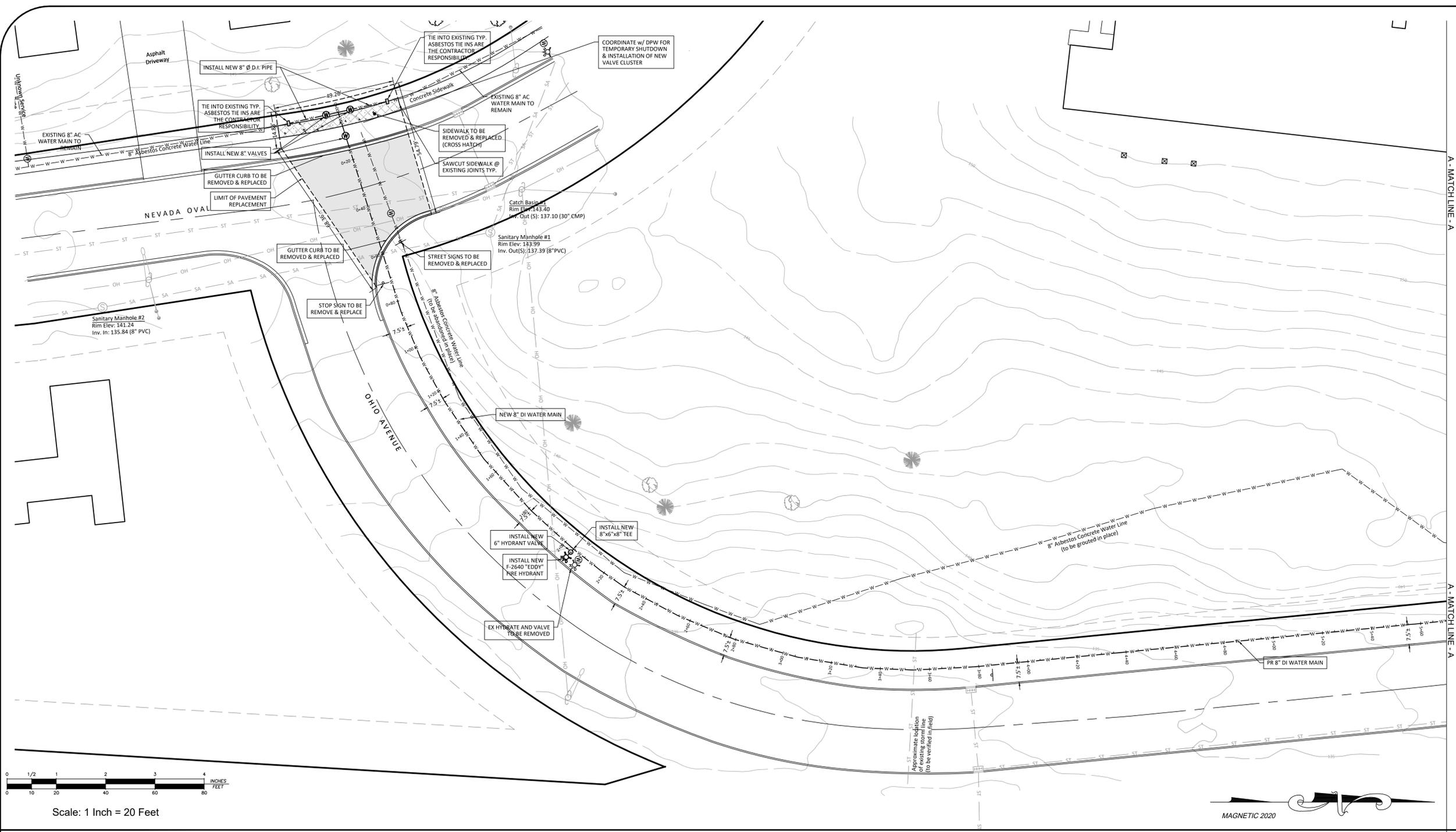
**CITY OF PLATTSBURGH**  
DEPARTMENT OF PUBLIC WORKS  
215 IDAHO AVENUE  
PLATTSBURGH, NEW YORK  
(P) 518.563.1120

**RMS**  
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11 MACDONOUGH STREET, PLATTSBURGH, NY 12901  
518.561.6145 (PH) 518.561.2496 (FX)  
R M S P C O M

Project Name & Address  
Map prepared for  
City of Plattsburgh  
Department of Public Works  
showing  
Ohio Avenue  
Water Main Replacement  
~ Situate ~  
City of Plattsburgh State of New York  
Clinton County

Project #	20009	Sheet	Cover Sheet
Date	06/04/2020		
Scale	N.T.S.		C000
Drawn	LSC	Checked	AJO

INDEX		
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	C000
2	EXISTING & PROPOSED SITE CONDITIONS	C100
3	EXISTING & PROPOSED SITE CONDITIONS	C101
4	DETAILS	D100



Scale; Horizontal: 1 Inch = 20 Feet, Vertical: 1 Inch = 5 Feet

- Legend:**
- Found property evidence (as described)
  - Computed corner
  - ⊕ Fire Hydrant
  - ⊙ Drainage manhole
  - ⊙ Catch basin round
  - ⊙ Catch basin square
  - ⊙ Well
  - ⊙ Telephone pedestal
  - ⊕ Water Valve
  - ⊙ Light pole
  - ⊙ Utility pole
  - ⊙ Guy anchor
  - ⊙ Sign
  - Fence post
  - Bollard
  - ⊙ Gas marker
  - ⊙ Gas meter
  - ⊕ Gas valve
  - Waterline
  - - - Existing fence
  - Property line
  - - - Adjoinder property line

**NOTE:**  
BASE SURVEY PROVIDED BY CITY OF PLATTSBURGH DEPARTMENT OF PUBLIC WORKS

No.	Revision/Issue	Date

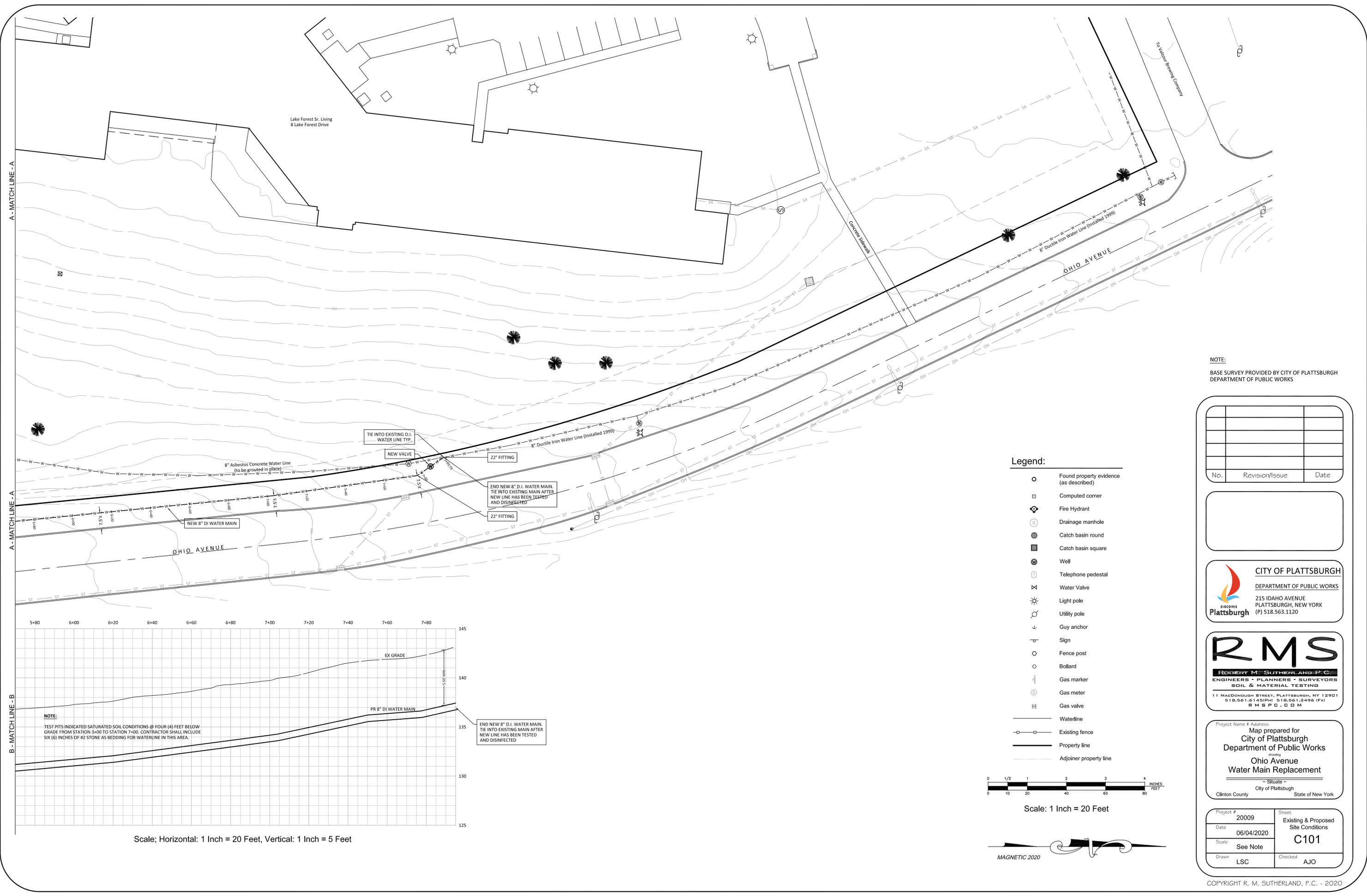
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R M S P C O M

Project Name & Address  
Map prepared for  
**City of Plattsburgh**  
Department of Public Works  
showing  
**Ohio Avenue**  
Water Main Replacement  
~ Situate ~  
City of Plattsburgh State of New York  
Clint County

Project #	20099	Sheet	Existing & Proposed Site Conditions
Date	06/04/2020	Scale	C100
Drawn	LSC	Checked	AJO





A - MATCHLINE - A

A - MATCHLINE - A

B - MATCHLINE - B

Lake Forest Sr. Living  
8 Lake Forest Drive

Concrete Sidewalk

OHIO AVENUE

To Village Brewery Company

TIE INTO EXISTING D.I. WATER LINE TYPE

NEW VALVE

END NEW 8" D.I. WATER MAIN. TIE INTO EXISTING MAIN AFTER NEW LINE HAS BEEN TESTED AND DISINFECTED

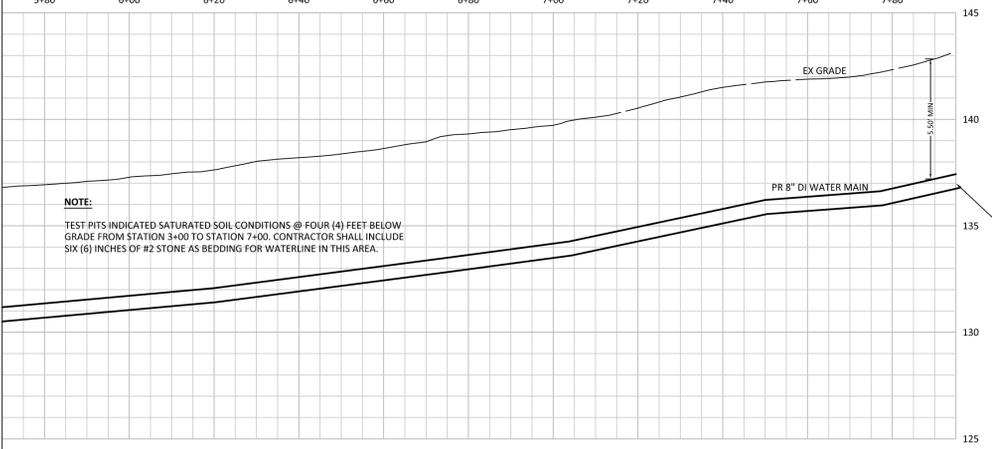
8" Asbestos Concrete Water Line (to be grouted in place)

8" Ductile Iron Water Line (Installed 1999)

NEW 8" DI WATER MAIN

OHIO AVENUE

5+80 6+00 6+20 6+40 6+60 6+80 7+00 7+20 7+40 7+60 7+80



NOTE:  
TEST PITS INDICATED SATURATED SOIL CONDITIONS @ FOUR (4) FEET BELOW GRADE FROM STATION 3+00 TO STATION 7+00. CONTRACTOR SHALL INCLUDE SIX (6) INCHES OF #2 STONE AS BEDDING FOR WATERLINE IN THIS AREA.

END NEW 8" D.I. WATER MAIN. TIE INTO EXISTING MAIN AFTER NEW LINE HAS BEEN TESTED AND DISINFECTED

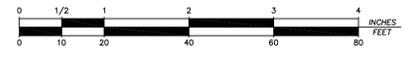
Scale; Horizontal: 1 Inch = 20 Feet, Vertical: 1 Inch = 5 Feet

NOTE:  
BASE SURVEY PROVIDED BY CITY OF PLATTSBURGH DEPARTMENT OF PUBLIC WORKS

No.	Revision/Issue	Date

Legend:

- Found property evidence (as described)
- Computed corner
- ⊙ Fire Hydrant
- ⊙ Drainage manhole
- Catch basin round
- Catch basin square
- ⊙ Well
- ⊙ Telephone pedestal
- ⊗ Water Valve
- ⊙ Light pole
- ⊙ Utility pole
- ↓ Guy anchor
- ⊙ Sign
- Fence post
- Bollard
- ⊙ Gas marker
- ⊙ Gas meter
- ⊙ Gas valve
- Waterline
- Existing fence
- Property line
- Adjoinder property line



Scale: 1 Inch = 20 Feet

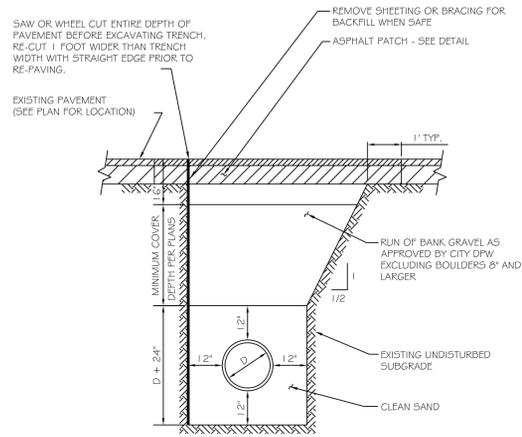


**CITY OF PLATTSBURGH**  
DEPARTMENT OF PUBLIC WORKS  
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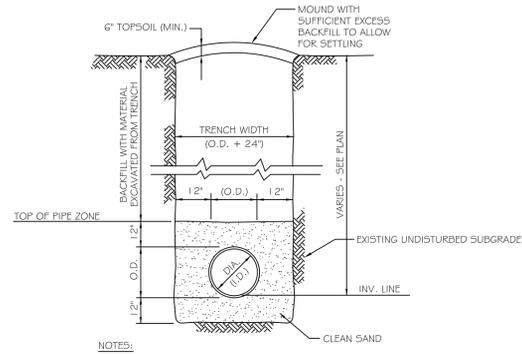
Project Name & Address  
Map prepared for  
**City of Plattsburgh**  
Department of Public Works  
showing  
**Ohio Avenue**  
Water Main Replacement  
~ Situate ~  
City of Plattsburgh  
Clinton County State of New York

Project #	20009	Sheet	Existing & Proposed Site Conditions
Date	06/04/2020		<b>C101</b>
Scale	See Note		
Drawn	LSC	Checked	AJO



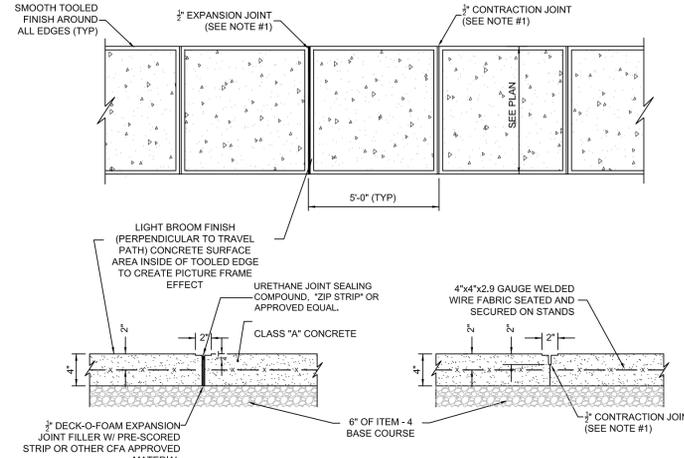
- NOTES:**
- TRENCH SHALL BE EITHER ADEQUATELY BRACED AND SHORED OR CUT SLOPES SHALL BE PROVIDED.
  - ALL BACKFILL TO BE COMPACTED IN 12" LIFTS PER STANDARD SPECIFICATION SECTION 203-3.1.2.
  - SPECIFICATION REFERENCES ARE TO NYS DOT STANDARD SPECIFICATIONS.

**1 TYPICAL TRENCH SECTION IN PAVEMENT**  
D100 SCALE: NTS



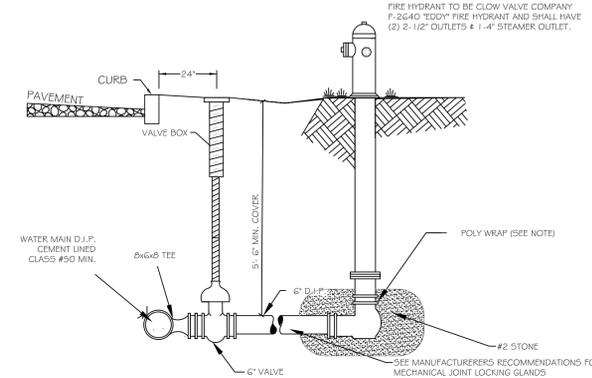
- NOTES:**
- TRENCH SHALL BE EITHER ADEQUATELY BRACED AND SHORED OR CUT SLOPES SHALL BE PROVIDED.
  - ALL BACKFILL TO BE COMPACTED IN 12" LIFTS PER STANDARD SPECIFICATION SECTION 203-3.1.2.
  - SPECIFICATION REFERENCES ARE TO NYS DOT STANDARD SPECIFICATIONS.

**2 TYPICAL TRENCH DETAIL - NON-PAVEMENT AREAS**  
D100 SCALE: NTS



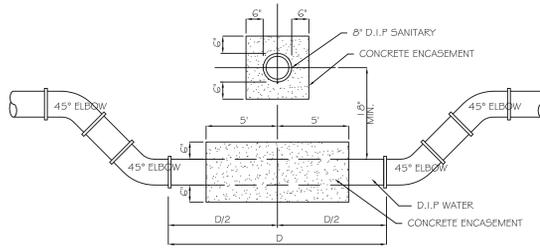
- NOTES:**
- JOINTS AT 5'-0" O.C. TOoled 1/2" WIDE, 1" DEEP OR MAX. 1/2" DEEP WHICHEVER IS GREATER. EXPANSION JOINTS AT 20' MAX. & ALL P.C.'s UNLESS APPROVED OR INDICATED OTHERWISE ON PLAN VIEW JOINT PATTERN.

**3 TYPICAL CONCRETE SIDEWALK**  
D100 SCALE: NTS



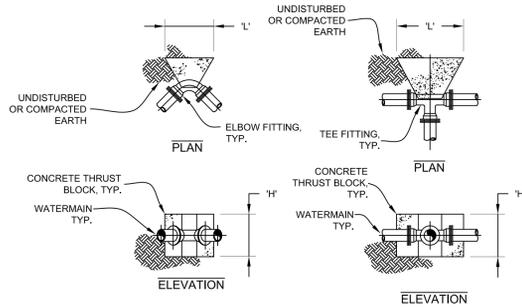
- NOTES:**
- CENTERLINE OF THE LOWEST NOZZLE TO FINISH GRADE SHALL BE A MIN. OF 15' & MAX. OF 18'.
  - HYDRANT SHALL BE INSTALLED A MINIMUM OF 18" BEHIND CURB AND 10" FROM PAVEMENT EDGE WHERE NO CURB EXISTS.
  - A CULVERT PIPE SHALL BE INSTALLED IN FRONT OF ANY HYDRANT LOCATED BEHIND A DITCH.
  - ALL CONCRETE THRUST BLOCKS TO BEAR ON UNDISTURBED GROUND.

**4 TYPICAL FIRE HYDRANT INSTALLATION DETAIL**  
D100 SCALE: NTS



WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF WATER MAIN TO THE OUTSIDE OF THE SEWER. ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.

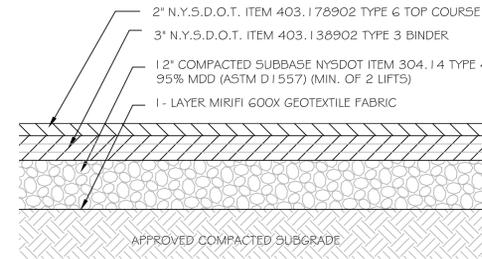
**5 TYPICAL WATER & SEWER INTERSECTION**  
D100 SCALE: NTS



DIMENSION SCHEDULE (IN FEET)								
PIPE SIZE	90° ELBOW		45° ELBOW		22.5° ELBOW		11.25° ELBOW	
	'4"	'1"	'4"	'1"	'4"	'1"	'4"	'1"
8"	2.25	5.00	1.75	3.50	1.50	2.50	1.50	1.75

DIMENSION SCHEDULE (IN FEET)		
PIPE SIZE	TEE OR TAP SLEEVE	
	'4"	'1"
8"	2.25	4.25

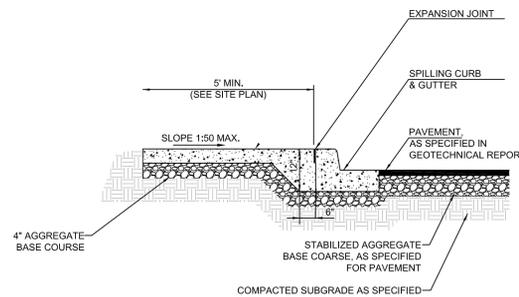
**6 TYPICAL THRUST BLOCK DIMENSION SCHEDULE**  
D100 SCALE: NTS



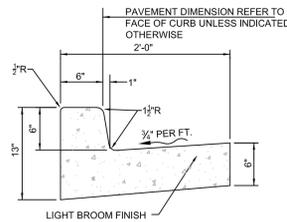
**NOTE:**  
IF FILL IS REQUIRED TO MEET SUBGRADE ELEVATION THEN MATERIAL MUST MEET N.Y.S.D.O.T. ITEM 203.20 SELECT GRANULAR FILL COMPACTED TO MEET 100% MDD (ASTM D 1557) MAXIMUM LIFT OF 8"

**GENERAL NOTES**  
1. PAVING BASE MATERIAL AND COMPACTION REQUIREMENTS ARE EQUAL TO STATE HIGHWAY SPECIFICATIONS.

**7 TYPICAL ASPHALT PAVING SECTION**  
D100 SCALE: NTS



**9 TYPICAL WITH CURB & GUTTER SECTION**  
D100 SCALE: NTS



**10 TYPICAL SPILLING CURB AND GUTTER**  
D100 SCALE: NTS

No.	Revision/Issue	Date

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Project Name & Address  
Map prepared for  
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~ Situate ~  
City of Plattsburgh State of New York  
Clinton County

Project #	Sheet
20009	Construction Details
Date	06/04/2020
Scale	D100
Drawn	LSC
Checked	AJO