

**SPECIFICATIONS  
FOR  
REPLACEMENT OF MOUNTAIN AVENUE MINOR BRIDGE BE-26  
OVER STREAM 3-61-1  
TOWNSHIP OF BERKELEY HEIGHTS  
COUNTY OF UNION, NEW JERSEY  
BA#2-2019; UNION COUNTY ENGINEERING PROJECT #2013-024**

**DECEMBER 2018**

**UNION COUNTY OFFICIALS  
BOARD OF CHOSEN FREEHOLDERS**

Sergio Granados, Chairman  
Bette Jane Kowalski, Vice Chairman  
Bruce H. Bergen, Freeholder  
Angel G. Estrada, Freeholder  
Angela R. Garretson, Freeholder  
Christopher Hudak, Freeholder  
Mohamed S. Jalloh, Freeholder  
Alexander Mirabella, Freeholder  
Rebecca Williams, Freeholder

**CLERK OF THE BOARD**

James E. Pellettiere, RMC

**COUNTY MANAGER**

Edward T. Oatman

**DEPARTMENT OF ENGINEERING, PUBLIC WORKS AND  
FACILITIES MANAGEMENT**

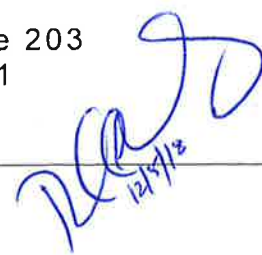
Joseph A. Graziano, Sr., CPWM  
Director, Department of Engineering, Public Works and  
Facilities Management

**COUNTY ENGINEER  
DIVISION OF ENGINEERING**

Thomas O. Mineo, P.E.  
2325 South Avenue  
Scotch Plains, New Jersey 07076  
Telephone: (908) 789-3675  
Fax: (908) 789-3674

**PREPARED BY:**

**Maser Consulting, P.A.**  
331 Newman Springs Road, Suite 203  
Red Bank, New Jersey 07701  
T: 732-383-1950  
F: 732-383-1984



**COUNTY OF UNION  
NOTICE TO BIDDERS**

Sealed bids will be received by the director of the Division of Purchasing, or her designee, at the County of Union, New Jersey on January 8, 2019 at 10:30 a.m., prevailing time, in the 3<sup>rd</sup> Floor Conference Room, U.C. Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey for:

**REPLACEMENT OF MOUNTAIN AVENUE MINOR BRIDGE BE-26 OVER STREAM 3-61-1  
TOWNSHIP OF BERKELEY HEIGHTS, COUNTY OF UNION, NEW JERSEY  
BA#2-2019; UNION CONTY ENGINEERING PROJECT #2013-024**

Bid Packages may be obtained at no charge by registering and downloading at <http://ucnj.org/bid-specs>. Bid Packages may also be obtained in person from the Division of Engineering at 2325 South Avenue, Scotch Plains, New Jersey 07076 between 8:30 a.m. and 4:00 p.m. weekdays upon payment of a non-refundable money order or bank check in the amount of \$275.00 made payable to the County of Union. No Personal / Company checks will be accepted. Requests for mailing of specifications will not be honored. For further information please call 908-789-3675.

The County reserves the right to reject any and all bids and to waive any and all informalities in the bid in accordance with the New Jersey Local Public Contracts Law.

Bids shall be submitted in a sealed envelope and clearly marked with the subject of the bid, name and address of the bidder, phone & fax number, and date of the bid opening. Each bid must be delivered to reach the Division of Purchasing prior to the stated time of the opening of the bids. The County will not be responsible for late delivery by the U.S. Mail or any other carrier. If hand delivered, please note that parking and security access at the County Complex may cause delays and bidders should take them into consideration in order to submit a timely bid. **No** late bids will be accepted.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27.

**LAURA M. SCUTARI, QPA, MPA, DIRECTOR OF PURCHASING**

**UNION COUNTY BOARD  
OF CHOSEN FREEHOLDERS**  

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***We're Connected to You!***

**REPLACEMENT OF MOUNTAIN AVENUE MINOR BRIDGE BE-26 OVER STREAM 3-61-1  
TOWNSHIP OF BERKELEY HEIGHTS, COUNTY OF UNION, NEW JERSEY  
BA#2-2019; Union County Engineering Project #2013-024**

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**UNION COUNTY BOARD OF CHOSEN FREEHOLDERS  
INSTRUCTIONS TO BIDDERS AND FORMS**

**DEFINITIONS**

Wherever reference is made to the County, Title of Project, Bidder, or Vendor/Contractor they shall be as follows:

**OWNER/COUNTY:**

Union County Board of Chosen Freeholders  
UC Administration Building, 6<sup>th</sup> Floor  
10 Elizabethtown Plaza  
Elizabeth, New Jersey 07207

**ADDRESS BIDS AND SUBMIT TO:**

Union County Division of Purchasing  
UC Administration Building, 3<sup>rd</sup> Floor  
10 Elizabethtown Plaza  
Elizabeth, NJ 07207  
Attn: Laura M. Scutari, QPA, MPA, Director, Division of Purchasing  
Telephone: 908-527-4130  
Facsimile: 908-558-2548

**TITLE OF PROJECT:**                   **Replacement of Mountain Avenue Minor Bridge Be-26  
Over Stream 3-61-1, Township of Berkeley Heights  
County of Union, New Jersey  
BA#2-2019; Union County Engineering Project #2013-024**

**BIDDER:** Bidder shall be a single overall contract bidder

**ENGINEER:** Maser Consulting, P.A.  
331 Newman Springs Road, Suite203  
Red Bank, New Jersey 07701

**COUNTY ENGINEER AND/OR CONSTRUCTION MANAGER (as applicable):**

**COUNTY ENGINEER:**

Thomas O. Mineo, P.E.  
Union County  
Division of Engineering  
2325 South Avenue  
Scotch Plains, NJ 07076  
Office: (908) 789-3675  
Facsimile: (908) 789-3674  
Email: [tmineo@ucnj.org](mailto:tmineo@ucnj.org)

**CONSTRUCTION MANAGER:**

## GENERAL SPECIFICATIONS

### 1. BID FORM

Bids for this Work will be enclosed in a sealed envelope addressed to the Purchasing Division, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207, with the full name of the Project clearly marked on the outside. Refer to the sheet marked "Notice of Bid (Advertisement)" for the correct name of the Project. Bidders must submit their bids on the attached pricing sheet (Bid Form), in a sealed envelope addressed to the County and bearing on the outside: the name of the Bidder, Bidder's business address, and the title of the Project.

The Division of Purchasing will receive the bids for this Work at the Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey on the date and time noted on the sheet marked "**Notice of Bid (Advertisement)**".

The County will not assume responsibility for bids forwarded by mail. It is the individual's responsibility to see that the bids are presented to the Purchasing Division at the time and at the place designated.

Bids will be accepted only on the Bid Form supplied. Bids on forms other than the original supplied herein will be rejected. The "complete" Bid Documents includes the Bid Bond, Bid Form, Bidder's Checklist, Consent of Surety, Ownership Disclosure Certification, Non-Collusion Affidavit, and any other documents noted in these Instructions to Bidders or Contract Document to be submitted with this Bid.

The bidder will state in the bidding sheet the price per unit of measure for each scheduled Item of Work for which he will agree to carry out the Work, and the Total Bid Price for the construction of the Project.

The prices in the Bid Form shall be typed or written in pen and ink. Erasures or alterations must be initialed by the bidder in ink.

The bidding sheet for this Project may include a fixed amount as a Bid Allowance. If applicable, all bidders are required to add this fixed amount to their base bid and to include this additional amount in their Bid Bond. This sum will be included in the Contract as well as the performance, labor and materials bond. Payment by the County will be made to the Contractor from these funds only upon the completion of extra Work pursuant to a written Change Order(s) signed by the County's Engineer or his designee and the Contractor, prior to the commencement of such Work. Work commenced prior to written approval by the County shall be done at Contractor's risk. Such payment will only be in the amount agreed to by the parties, in writing in the Change Order(s). See Section 37, Change Orders, of these general specifications for further details.

Refer to Bid Document Submission Checklist for all required documents.

In the event there is a discrepancy between the unit price given and the extended total, the unit price will govern. Any discrepancies will be mathematically adjusted.

Insert applicable alternates, if any have been specified, applicable to the Bidder's Work. All alternates MUST be bid upon. Any Bidder's failure to do so will be deemed a material, non-waivable defect and shall render the bid nonresponsive. The Bidder shall clearly designate whether the change in price is an addition or subtraction, by using either a "+" sign or the word "addition", or in the alternative, a "-" sign or the word "minus". If there is no other change in price, the Bidder shall insert "NC" or "No Charge".

When two or more low bids are equal in all respects, awards will be made according to the provisions of N.J.S.A. 40A:11-6.1(d).

Where unit prices have already been established by the Contract Documents, the Bidder agrees that such unit prices shall prevail. All unit prices, whether filled in by the Bidder or established by the Contract Documents, shall become part of the Contract. No bid will be considered or award made, unless applicable unit prices, as required, are filled in.

The County reserves the right to reject any or all bids and also reserves the right to waive any informality in the bids received so long as said waiver is not of a response which is considered to be material and non-waivable pursuant to law.

The County of Union has the right to reject any and all bids from any bidder that is in, or contemplates bankruptcy of any chapter of nature. Said bidder shall notify the County, in writing, of any condition or knowledge of the same.

Conditional bids will not be accepted. Bids may be withdrawn prior to the advertised time for the opening of bids or authorized postponement thereof or in accordance with the provisions of N.J.S.A. 40A:11-23.3 discussed below. Bids received after the advertised time shall not be considered. Bidders shall be solely responsible for premature opening or late delivery of bids not properly marked, addressed, or directed.

## **2. WITHDRAWAL OF BID DUE TO MISTAKE**

N.J.S.A. 40A:11-23.3 authorizes a bidder to request withdrawal of a public works bid due to a mistake on the part of the bidder. A mistake is defined by N.J.S.A. 40A:11-2(42) as a clerical error that is an **unintentional and substantial computational error or an unintentional omission of a substantial quantity of labor, material, or both, from the final bid computation.**

A bidder claiming a mistake under N.J.S.A. 40A:11-23.3 must submit a request for withdrawal, **in writing**, by certified or registered mail to Laura M. Scutari, QPA, MPA,

Director, Division of Purchasing, County of Union, New Jersey, Union County Administration Building, 10 Elizabethtown Plaza, Elizabeth, New Jersey 07207. The bidder must request withdrawal of a bid due to a mistake, as defined by the law, within five business days after the receipt and opening of the bids. Since the bid withdrawal request shall be effective as of the postmark of the certified or registered mailing, Laura M. Scutari, QPA, Director of the Division of Purchasing or his designee may contact all bidders, after bids are opened, to ascertain if any bidders wish to, or already have exercised a request to withdraw their bid pursuant to N.J.S.A. 40A:11-23.3.

A bidder's request to withdraw the bid **shall** contain evidence, including any pertinent documents, demonstrating that a mistake was made. Such documents and relevant written information shall be reviewed and evaluated by the County's designated staff pursuant to the statutory criteria of N.J.S.A. 40A:11-23.3.

The County will not consider any written request for a bid withdrawal for a mistake, as defined by N.J.S.A. 40A:11-2(42), by a bidder in the preparation of a bid proposal unless the postmark of the certified or registered mailing is within the five business days following the opening of bids.

### **3. QUALIFICATIONS OF BIDDERS AND REQUIRED SUBMISSIONS**

The County may make such investigation as it deems necessary to determine the ability of the Bidders to perform the Work, which includes investigation of any and all subcontractors listed with the bid. The Bidder shall furnish any information and data for this purpose as the County may request.

### **4. INTERPRETATIONS AND ADDENDA**

Any explanation desired by a bidder regarding the meaning or interpretation of the Contract Documents must be requested in writing to the County Engineer or Design Professional as the case may be and with reasonable time allowed for a reply to reach bidders before submission of their bids. Any interpretation or instruction made by the County Engineer will be in the form of an addendum to the Contract Documents or clarification and will be furnished to all prospective bidders. Oral explanations or instructions given before the award of the Contract will not be binding. Bidders are required to bring to the attention of the County Engineer, the discovery of any apparent ambiguity, inconsistency, error, discrepancy, omission in the Contract Documents for interpretation and correction at least ten (10) working days before opening of bids with the exception of Saturdays, Sundays and holidays.

All Addenda issued through the Offices of the County Engineer are amendments to the Contract Documents and shall be considered in preparing bids. Same shall become part of the Contract Documents.



Addenda take precedence over all earlier documents and over each other according to the latest date. Addenda unless themselves interpretive remain subject to interpretation the same as any other document incorporated in the Contract.

Addenda may be issued by the County Engineer up to seven (7) working days prior to the opening of bids. Failure of any bidder to receive an addendum shall not relieve such bidder from the obligation imposed by such addendum. Bidders are to keep themselves currently acquainted with the Contract Documents during the entire bidding period and make inquiry on their own initiative as to issuance of any Addenda. Receipts of all Addenda shall be acknowledged on the “*Acknowledgement of Receipt of Changes*” included in the bid package and must be submitted with the bid.

## **5. OBLIGATION OF BIDDER TO INSPECT SITE AND CONTRACT DOCUMENTS**

At the time of the opening of bids, each Bidder will be presumed to have inspected the site(s) and to have read, and be thoroughly familiar with the Contract Documents. The failure or neglect of any Bidder to receive or examine any form, instrument, or document shall in no way relieve any Bidder from any obligation in respect to its bid.

The Bidder shall examine the contents of the Project Manual and the set of Drawings and assure itself that all pages of the Specifications, Drawings, and other Contract Documents are included in the documents obtained for bidding purposes. Should the Specifications, Drawings, and other Contract Documents be incomplete, the Bidder shall notify the County Engineer in writing, who will supply the Bidder with any missing pages of Specifications, Drawings, or other Contract Documents. The lack of such written notification by the Bidder will be construed as evidence that the Specifications, Drawings, or other Contract Documents supplied it for bidding purposes are full and complete and as a waiver of any subsequent claim to the contrary.

## **6. BID AND PERFORMANCE GUARANTEE**

Each bidder must furnish a Bid Bond, Certified Check or Bank Cashier’s Check in the amount of ten percent (10%) of the Bid. Checks shall be drawn to the order of the County of Union, New Jersey, not to exceed \$20,000.

Each bidder must furnish with the bid a certificate from a Surety Company, i.e. Consent of Surety, stating that in the event of the contract being awarded to said bidder, such Surety Company will provide the Contractor with Bonds guaranteeing the faithful performance of the Work in accordance with the plans and specifications, and the payment for labor, materials, and all other indebtedness which may accrue on the account of this Work. A Performance, Labor and Materials bond will be furnished by the Contractor upon an award of Contract, and will be in the amount of 100% of the contract price.

A one-year Maintenance Bond will be required upon acceptance of the Project by the County in the amount as stated in Section 15 of the General Specifications. Bonds will be written by a firm authorized to issue the bonds under the laws of the State of New Jersey and be in a form acceptable to the County Counsel.

N.J.S.A. 40A:11-1.1 et seq. allows the prime Contractor to furnish the Performance Security for his Subcontractors. The County of Union requires Performance Security to be furnished by the prime contractor for the entire job in the total amount of the contract.

The County of Union shall award the contract or reject all bids within sixty (60) days; except that the bids of any bidders who consent thereto may, at the request of the County be held for consideration for such longer periods as may be agreed.

The County will return all certified checks or cashier's checks after the proposals have been opened, read, tabulated and checked except those of the three (3) bidders who have bid the lowest total price for carrying out the Project. The County will return the checks of these bidders when a contract is awarded to the successful bidder within ten (10) days after the award of the contract.

If the successful bidder refuses or neglects to sign the said Agreement and furnish the required bonds, the Bid Bond will be held and used by the County to offset any damages for such refusal or neglect.

## **7. COMMENCEMENT AND COMPLETION**

Work will not commence until a Notice to Proceed is received from the County Engineer.

Upon substantial completion of the Project, the Contractor must request a joint inspection with the County Engineer. Upon completion of this inspection, the County Engineer will prepare a list of incomplete or incorrect items (punch list) and have Contractor initial and date same. The Contractor shall rectify all deficiencies noted on the punch list within 30 calendar days of receipt of the list. The County Engineer may approve extensions for extenuating circumstances.

## **8. BIDDER AFFIDAVIT**

All Bidders are required to complete, sign, and submit with their Bid, the attached "Affidavit Regarding List of Debarred, Suspended or Disqualified Bidders". (See form enclosed)

## **9. BID SECURITY**

All Bidders are required to submit a form of Bid Security with their bids.  
(Bid Bond or Certified Funds)

The Bid Security shall be in the amount of ten percent (10%) of the Bid, but not in excess of Twenty Thousand Dollars (\$20,000.00), and payable to the order of the "County of Union."

## **10. LABOR AND MATERIALS**

The prices will cover all costs of any nature incident to and growing out of the Work, including all labor, material, equipment, transportation, loss by damage or destruction of the Project, settlement of damages, and for replacement of defective work or materials. N.J.S.A. 54:32B-1 et seq. exempts all materials sold to the County of Union from sales or use taxes and should not be included in the prices provided on the Bidding Sheet.

## **11. INSURANCE REQUIREMENTS**

The County of Union requires all contractors to be able to comply with the following insurance requirements. In the event a bid is accepted by the County, the contractor must accept the applicable insurance requirements, as set forth below, as part of any contract awarded to it by the County.

Contractor shall carry and maintain at all times while the contract is in full force and effect, the following insurance coverage with an insurance company or companies acceptable to the County, with limits not less than those shown below. A Certificate of Insurance shall be filed with the County prior to commencement of any Work indicating the following:

- a) Commercial General Liability (CGL): Coverage for all operations including, but not limited to, contractual, products and completed operations, and personal injury with limits no less than \$5,000,000 per occurrence/\$10,000,000 aggregate. The County of Union, its Board of Chosen Freeholders, officers, employees, agents and servants shall be included as an additional insured. Coverage is provided on a primary and non-contributory basis to the County of Union, et al.
- b) Automobile Liability: Coverage for all owned, non-owned and hired vehicles with limits not less than \$5,000,000 per occurrence, combined single limits (CSL) or its equivalent.
- c) Workers Compensation: As required by the State of New Jersey and Employers Liability with limits not less than \$1,000,000 per accident for bodily injury or disease.

- d) Professional Liability (if design/build): Coverage with limits not less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate
- e) Contractor's Pollution Legal Liability and/or Asbestos Legal Liability and/or Errors & Omissions (if project involves environmental hazards): Coverage with limits no less than \$1,000,000 per occurrence or claim/\$2,000,000 aggregate.
- f) Builders Risk (for major renovations): During the course of construction utilizing an "All Risk" coverage form with limits equal to the completed value of the project and no coinsurance penalty provisions.

Where applicable, a waiver of subrogation in favor of the County of Union, its Board of Chosen Freeholders, officers, employees, agents, servants and the State of New Jersey is to be included in those policies of insurance where permitted by law.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Entity.

Special Risks or Circumstances: The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

## **12. INDEMNIFICATION REQUIREMENTS**

The County of Union requires all bidders to accept the following indemnification requirements in the event the County accepts their bid. The Contract awarded by the County to the successful bidder will contain the following provision:

"To the fullest extent permitted by law the Contractor shall indemnify and hold harmless the owner and the owner's consultants, agents, representatives, and employees from and against any and all claims, damages, losses, costs, and expenses, including, but not limited to attorneys' fees, legal costs and legal expenses arising out of or resulting from the performance of the Contractor's work under this contract, provided that such claim, damage, loss, cost, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) caused or alleged to be caused by the negligent acts, negligent omissions, and/or fault of the Contractor, anyone directly or indirectly employed or retained by the Contractor, or anyone for whose acts the Contractor may be liable regardless of whether caused in part by the negligent act or omission of a party indemnified hereunder provided it is not caused by the sole negligence of a party indemnified hereunder. Contractor shall further indemnify and hold harmless the County and the County's consultants, agents, representative, and employees from and against any and all claims, damages, losses, costs, and expenses, including, but not limited to attorneys' fees, legal costs and legal expenses, arising out of or resulting from performance of the work, provided that such claim, damage, loss,

cost, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) caused or alleged to be caused by the negligent acts, negligent omissions, and/or fault of the County or the County's consultants, agents, representatives, or employees and arises out of this project and provided such claim, damage, loss, cost, or expense is not caused by the sole negligence of a party indemnified hereunder."

### **13. ROYALTIES AND PATENTS**

The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall hold the County harmless from loss on account thereof.

### **14. PLANS AND SPECIFICATIONS**

In carrying out the Work, the plan(s) and the specifications will be followed by the Contractor. Minor alterations in the plan may be made or permitted by the County Engineer from time to time and, if no additional Work is necessary, there will be no additional charge for carrying out such minor alterations.

The Contractor shall provide the County Engineer a set of reproducible as-built drawings upon completion of the Project. The Contractor shall maintain an updated construction progress plan in the Project field office at all times.

When applicable, The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction, as amended, and Supplemental Specifications for State Aid Projects, herein after referred to as the "Standard Specifications", are made a part of these specifications and contract for the improvements, and will govern the construction of this Project, the material used and the execution of this Project, except as revised and modified herein. The references to these specifications are given herein for the purpose of aiding in the rapid location of the description of the various items herein specified. The entire Work must be carried on and completed to the satisfaction of the County. The Standard Specifications are amended as follows:

"Any reference to the Commissioner, Department, Department Laboratory, Engineer or Inspector should be redefined to be the County of Union".

### **15. GUARANTEE AGAINST DEFECTIVE WORK**

Prior to final payment being made or before the release of the performance security required by Section 3 above, the Contractor and Surety shall execute and deliver to the County an original Maintenance Bond with an original signature and seal having a penal sum equal to:

- A) One hundred percent (100%) of the final adjusted Contract amount, if such amount is \$50,000.00 or less;
- B) Fifty percent (50%) of the final adjusted Contract amount, if such amount be greater than \$50,000.00 but less than \$250,000.00; and,
- C) Twenty-five percent (25%) of the final adjusted contract amount, if such amount is \$250,000.00 or more.

The Bond and Surety shall be satisfactory to the Union County Counsel. The Surety shall hold a Certificate of Authorization to do business in the State of New Jersey and shall conform to P.L. 1995 c.384, codified as N.J.S.A. 2A:44-143, 144. The Surety Disclosure Statement and Certification required by N.J.S.A. 2A: 44-143, 144, shall be attached to the Bond. Such Maintenance Bond shall remain in full force and effect for a period of one (1) year from the date of Final Completion. Such Maintenance Bond shall also provide that the Contractor and the Surety guarantee to replace for the said period of one (1) year from the date of Final Completion, all Work performed and/or all materials furnished that were not performed or were not furnished in accordance to the terms and performance requirements of the Contract Documents, and will make good any defects thereof which become apparent before the expiration of one (1) year. If, during that period, any part of the Project, in the judgment of the Engineer, is found defective, the Contractor will repair or replace same within five (5) days of receipt of notice from the County Engineer. If the Contractor refuses or neglects to do such Work in the time specified, the County Engineer may have the Work done by others and the Contractor or his Surety thereof will pay the cost.

The Contractor will furnish the County a Maintenance Bond for a percentage of the final adjusted contract price, as stated above. The one (1) year period will start the day of Final Completion of Project by the County. Final payment is conditional on the receipt of a maintenance bond in a form acceptable to County Counsel.

## **16. TRAFFIC AND STREET MAINTENANCE**

The Work must be started and performed by the Contractor in such a manner as to minimize delays to the traveling public. It must be completed in a timely fashion, with little or no inconvenience to traffic and pedestrians, where such inconvenience may be avoided.

All municipal, county, and state roadways shall remain open to traffic unless otherwise provided for in the technical specifications.

If modified traffic patterns are authorized in order to provide a safe working or traveling environment, the Contractor is responsible for providing all equipment, barrels, cones, signs, and barricades to implement the work zone and detours, unless otherwise specified in the technical specifications. All work zones and detours shall be

established in accordance with the technical plans and specifications if provided or in strict compliance with the current version of the Manual for Uniform Traffic Control Devices (MUTCD). The Contractor shall obtain approval for these work zones and detour plans from the Municipal Police or applicable police agency and the Union County Bureau of Traffic Maintenance prior to implementation.

All traffic control plans shall provide for safe movement of vehicular, bicycle, and pedestrian traffic. Particular attention shall be given to requirements of the Americans with Disabilities Act.

No portion of any street or alleyway may be used for the storage of any materials or equipment without the approval of the Municipal Police or other applicable police agency. Sidewalks, gutters, drains, fire hydrants and private drives shall be maintained for their intended use unless specifically approved by the County Engineer.

Upon suspension of Work, at the end of the day or for protracted periods, the Contractor shall remove all rubbish and materials from the Work site to the approved storage/staging location. All road cuts, saw cuts, and trenches that may pose hazard to vehicular, pedestrian, or bicycle traffic, to include handicapped users, shall be filled to the surface of the roadway or sidewalk. At no time will steel plates or settled trenches be allowed at the daily suspension of Work, unless specifically approved by the County Engineer.

Use of Traffic Control Officers shall be determined by the County in accordance with the provisions of N.J.S.A. 40A:11-23.1(c). If applicable to the Project, the County shall have provided an allowance for same as set forth in the Bid Form.

With respect to pedestrian traffic, the Contractor shall install signs restricting access of the general public and, as necessary, Union County employees to the area of construction. The Contractor shall provide safe access to required areas and place physical barriers to restricted areas. These barriers may range from caution tape to actual barriers, at the direction of the County Engineer.

## **17. CONTRACTOR'S EMPLOYEES**

The Contractor must employ only suitable and competent labor in the Work, and must remove from the Work any incompetent, unsuitable, or disorderly person upon complaint from the County Engineer.

The parties to any contract resulting from this proposal do hereby agree that the provisions of N.J.S.A. 10:2-1 through 10:2-4 (discrimination in employment on public works contracts): 34:11-56.25 et seq. (payment of prevailing rate of wages determined pursuant to N.J.S.A. 34:11-56.30 by the Commissioner), and the Rules and Regulations

promulgated pursuant thereto, are hereby made a part of any contract and are binding upon them.

There will be no discrimination against any employee who is employed in the Work to be covered by any contract resulting from this bid because of age, race, creed, color, national origin, ancestry, marital status or sex.

Any person, firm, or corporation violating the provisions of this Section will be deemed and judged a disorderly person.

### **18. OWNERSHIP DISCLOSURES REQUIRED**

Pursuant to P.L. 1977, N.J.S.A. 52:25-24.2, the Bidder shall submit with its Bid, or prior to receipt of bids, a statement setting forth the names and addresses of all stockholders in the corporation or partnership bidding who own ten percent (10%) or greater interest therein. (See forms attached)

### **19. NON-COLLUSION AFFIDAVIT**

The Bidder shall submit with its bid either the attached completed "Non-Collusion Affidavit" or a statement of non-collusion with verbiage similar to same.

### **20. EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCES**

The successful bidder shall be required to complete and submit an Initial Project Workforce Report, New Jersey Department of Treasury Form AA-201, upon notification of award. Failure to submit this completed form may result in the Contract being terminated.

The successful bidder shall also be required to submit a copy of its Monthly Project Workforce Report, New Jersey Department of Treasury Form AA-202, to the New Jersey Department of Treasury's Division of Public Contracts Equal Employment Opportunity Compliance and to the Board.

### **21. COMPLIANCE WITH NEW JERSEY PREVAILING WAGE ACT**

The County of Union, in order to fulfill the requirements of N.J.S.A. 34:11-56.25 et seq, requires that the following additional conditions be strictly followed. The bidders represent that he is not listed or is not on record in the Office of the Commissioner or the Department of Labor and Industry as one who failed to pay prevailing wages in accordance with the provisions of this Act. The bidder agrees to the inclusion of a contract provision upon award which specifically requires said Contractor to fully comply with each and all of the requirements of the aforesaid Act as it relates to prevailing rates



of wages on public contracts as set forth in the New Jersey Prevailing Wage Act, P.L. 1963, Chapter 150 and P.L. 1974, Chapter 64.

A Copy of the Prevailing Wage Rates is attached for your reference. Applicable rates are those wages and fringe benefit rates in effect on the date the contract is awarded. All predetermined rate increases listed at the time the contract award must also be paid, beginning on the dates specified. Rates may change between the time of issuance of this determination and the award of the public works contract. Therefore, prior to the award of the contract, verification must be made with the Public Contracts section, to insure that the rates contained in this determination are still prevailing.

The Contractor agrees to abide and be bound by each and all of the said statutory provisions with respect to the payment of prevailing rates of wages, and acknowledges that the County reserves the right to terminate the Contractor's (or his subcontractors') right to proceed with the scope of Work, or such portion thereof that relates to the failure to pay prevailing rates of wages. In such event or under the terms of N.J.S.A. 34:11-56.27, the Contractor and his surety will be liable to the County of Union for any excess costs occasioned by such a violation.

The Contractor or subcontractors for this Project will post the Prevailing Wage Rates for each craft and classification involved as determined by the Commissioner of Labor and Industry, including the effective date of any changes thereof, in prominent and easily accessible places at the site of the Work or at such place or places as are used by them to pay workmen their wages.

The County of Union requires a copy of payroll records from the Contractor and subcontractors. Payroll records shall be submitted with each voucher request for payment. Prevailing wage rates may be obtained from the New Jersey Labor, Division of Workplace Standards, Public Contracts Section, (609-292-2259).

In addition to compliance with the New Jersey Prevailing Wage Act, the County requires compliance with procedures established by Resolution No. 2014-0408 adopted by the Union County Board of Chosen Freeholders on May 8, 2014. The resolution is furnished in Section 51 of these General Specifications.

#### UNION LABOR IS PREFERRED ON ALL COUNTY WORK

The foregoing reference to specific laws will not be deemed to be a limitation of obligation of the Contractor to perform his obligations in full compliance with the provisions and requirements of all federal and state statues and local ordinances applicable to the Work to be done under the contract.

It is agreed and understood that any contracts and/or orders placed as a result of this proposal will be governed and construed and the rights and obligations of the

parties hereto will be determined in accordance with the laws of the State of New Jersey.

Upon completion of the Work, the Contractor will furnish a Certification of Compliance with the New Jersey Prevailing Wage Act. The certificate in a form acceptable to County Counsel is a condition of the final payment. (See form attached)

## **22. BRAND NAME OR EQUAL**

When the Specifications, Forms, and other Contract Documents use “brand name or equivalent” or similar language, the listed brand name shall serve as a reference or point of comparison for the functional or operational characteristic desired for the goods or services being requested. Where a bidder attempts to submit an equivalent product for a brand name, it shall be the responsibility of the bidder to fully describe and document the product to be provided with the bid in order to establish the equivalence claim.

- A. If the Bidder proposes to offer substitute goods as an equal to those specified herein, the bidder shall so indicate with the Bid Proposal. For the purposes of this paragraph, a proposed item shall be considered equal to goods specified herein if:
  - 1. The County, in its sole discretion, determines that: (i) the goods conform substantially, even with deviations, to the brand name goods specified herein; (ii) the goods are equal to or greater than the brand name goods specified herein in terms of quality, durability, functionality, appearance, strength and design; (iii) the goods are capable, at least as well as the brand name goods specified herein, or performing with existing equipment; and (iv) the goods do not cost the County more than the brand name goods specified herein costs the County.
  
- B. To offer substitute goods as an equal to those specified herein, it is necessary that:
  - 1. The Bidder submits sufficient information with its bid to permit the County to determine that the goods are equivalent to the brand name goods specified herein, including, but not necessarily limited to the brand, catalog number and specifications/data sheets;
  - 2. The Bidder fully identifies and describes the variations of the goods from the brand name goods specified herein

on a separate sheet that is to be submitted with the bid proposal. Bidder's literature WILL NOT suffice in explaining exceptions to these specifications.

3. The Bidder certifies that the goods (i) are similar in substance to the brand name goods specified, and (ii) are suited to the same use as the item specified;
- C. The County shall be allowed a reasonable time within which to evaluate the Bidder's proposal to offer substitute goods as an equal to those specified herein. The County shall be the sole judge of acceptability. No "or-equal" goods shall be ordered, delivered, assembled, set-up or utilized until the County's evaluation is complete. The County's determination as to equivalency shall be deemed final and absolute.

In the event the Bidder does not provide sufficient supporting documentation with the bid, it will be presumed and required that the brand name goods and services as described in the specifications will be provided.

### **23. LINES AND GRADES**

Normally, horizontal and vertical control points will be provided in the technical specifications. All other surveying will be the responsibility of the Contractor unless otherwise noted.

### **24. NUMBER OF WORKING DAYS**

In accordance with N.J.S.A. 40A:11-17, the Work for the within Project shall be completed as specified on the Time of Completion Form. See form attached

There shall be taken a deduction from the contract price, or any wages paid by the County, to any inspector(s) necessarily employed by it on the Work, for any number of days in excess of the number allowed in the specifications.

### **25. PROMPT PAYMENT OF CONSTRUCTION CONTRACTS (NJ Prompt Payment Act)**

Pursuant to N.J.S.A. 2A:30A-1 et seq., payment to the Contractor, other than for Work done pursuant to a contact allowance, where applicable, shall be processed and paid as follows:

1. All contractor bills shall be either approved for payment, or notice provided as to why the bill or any portion of it will not be approved by the representative(s) of the governing body no later than the

public meeting following 20 calendar days of the billing date as defined in the statute.

2. If the billing is approved, said bill shall be paid in the payment cycle following the meeting.

## **26. STOPPING WORK ON ACCOUNT OF BAD WEATHER**

Work must only be performed in weather suitable for the type of construction planned or underway. Extremes in temperature, humidity, precipitation, evaporation, etc. can detrimentally affect the constructed product. Refer to the Standard and Technical Specifications for specific items.

## **27. ACCESS FOR OTHER CONTRACTORS**

The Contractor for this Work will give proper access to other contractors who may be employed upon the Project and must not hinder or delay unnecessarily any Work that may be progressing under other contracts.

## **28. CONDEMNED MATERIALS AND WORK**

Any materials and or part of the Work that may be condemned by the County Engineer will be removed and replaced by the Contractor or otherwise rectified, as may be directed by the County Engineer. No payment will be made upon the Work until such faulty work has been made good as may be directed. In the event the Contractor refuses or neglects to make good such faulty work, he will be deemed to have abandoned the contract and proceedings may be taken against him as provided herein.

## **29. STORAGE**

In the event that it is necessary for the Contractor to stockpile or store materials or equipment on the job site, the Contractor shall inform the County of such necessity and the County may offer available space, if any, for storage of such materials or equipment. The Contractor shall use said space only for such purpose. Any and all materials which may be stored in such space or which may be brought onto the job site at any time by the Contractor will be at the Contractor's sole risk. The County will not be responsible for loss of or damage to said materials or equipment for any cause whatsoever. The Contractor shall take necessary measures to protect any such storage area and shall be responsible for any and all damages.

## **30. FINAL CLEAN UP**

Upon completion of the Work, the Contractor will remove all equipment, unused materials, rubbish, etc., and will repair, or replace in an a manner acceptable to the

County Engineer, all areas that may have been damaged in the prosecution of the Work. Same shall be a condition precedent to final payment. Should said Contractor fail to comply with this requirement, the County shall undertake the clean-up with its own forces and charge the cost of same against the Contractor's contract balance.

### 31. SUB-LETTING OF WORK

Except for the List of Subcontractors, pursuant to N.J.S.A. 40A:11-16 (See form attached), no portion of the Work will be sublet by the Contractor to any other entities, except with the consent of the County Engineer. A complete list of subcontractors must be submitted to the County Engineer at the preconstruction meeting. If the job does not warrant a preconstruction meeting, the Contractor must submit such list prior to the start of Work.

All Subcontractors will be subject to N.J.S.A. 34:11-56 et al.

N.J.S.A. 40A:11-16 requires the bidder to list in the bid sheets the name or names of all subcontractors involved in the following types of Work: plumbing and gas fitting and all kindred work, steam and hot water heating, ventilating apparatus, steam power plants and kindred work, electrical work, ornamental iron work, and structural steel. In addition, the County may require the identification of specific additional subcontractors. If these trades are expected to be part of the contract, such subcontractors should be listed on the "Subcontractor Identification Statement List of Subcontractors" and Bidder shall certify same on the accompanying sheet titled "Subcontractor Identification Certification". (See forms attached) **Bidder's failure to submit these two forms shall be considered a material defect and result in rejection of Bidder's bid.** Substitutions of any listed subcontractors pursuant to N.J.S.A. 40A:11-16 will not be permitted except with the consent of the County Engineer.

### 32. SAFETY

The Contractor shall observe all rules and regulations of the Federal, State, and local health officials. Attention is directed to Federal, State, and local laws, rules, and regulations concerning construction safety and health standards. The Contractor shall not require any worker to work in surroundings or under conditions that are unsanitary, hazardous, or dangerous to the worker's health or safety.

The Contractor shall admit to the site, without delay and without the presentation of an inspection warrant, any inspector of OSHA or other legally responsible agency involved in safety and health administration upon presentation of proper credentials.

The Contractor shall make available to the Contractor's employees, subcontractors, the County Engineer, and the public, all information pursuant to OSHA 29 CFR Part 1926.59 of The Hazard Communication Standard 29 CFR 1910.1200, and shall also maintain a file on each job site containing all Material Safety Data Sheets (MSDS) for

products in use at the Project. These Material Safety Data Sheets shall be made available to the Engineer upon request.

The Contractor shall at all times conduct the Work to provide for the safety and convenience of the general public and protection of persons and property. The safety provisions of applicable laws, OSHA regulations, building and construction codes, and the rules and regulations of the New Jersey Department of Labor and Workforce Development and Commerce shall be observed.

### **33. QUALITY, SAFETY AND PERFORMANCE STANDARDS**

All goods and services must be constructed and provided with the highest quality materials and workmanship. It is the intent of these specifications that only equipment equal to, or exceeding, the standard specified will be acceptable in order to protect the safety of the occupants of the Building.

### **34. MATTERS NOT MENTIONED IN CONTRACT DOCUMENTS**

Any Work, material, or method, not specifically described in these specifications, but shown upon the plans of the Work, will be carried out as shown on said plan.

### **35. PERMITS**

The Contractor will obtain all necessary permits required by law and provide the County with necessary approvals prior to commencement of permitted Work.

### **36. CONTRACTOR TO PROVIDE PROOF OF PAYMENT**

Upon the completion of the Work, the Contractor will furnish a General Release as proof that all claims for labor, materials, etc., have been settled by the Contractor. The General Release, in a form acceptable to County Counsel, is a condition of final payment.

### **37. CHANGE ORDERS**

Change Order Procedures shall comply with N.J.A.C. 5:30-11.1 et seq., "Change Orders and Open End Contracts" and subsequent provisions of the New Jersey Administrative Code.

### **38. SUPPLEMENTAL WORK**

In case any supplemental work is necessary, it will be performed by the Contractor at a price fixed by agreement between the Contractor and the County Engineer and approved by the County as specified in Section 36. The Contractor will do no supplemental work on any character, for which the Contractor will demand pay, except upon the written order of the County.

### **39. FORM OF CONTRACT**

The Contract will be subject to all statutory provisions on the matter of Public Works, Public Contracts, The Law Against Discrimination, the Laws Governing Affirmative Action and Prevailing Rates of Wages under the laws of New Jersey.

The Agreements shall be executed by both parties not later than twenty-one (21) days from the date of the award by the County (Sundays and holidays excluded); however, such time frame may be extended by agreement of the parties.

### **40. PROGRESS PAYMENTS**

Monthly progress payments will be made based on the value of labor and materials incorporated in the Work and of materials suitably stored at the site. An itemized schedule of values shall be submitted with each Application for Payment.

(Refer to the Owner/Contractor Agreement for Retainage and other conditions pertaining to payment and the application of N.J.S.A. 2A:30A-1 et seq.)

All Applications for Payment shall be accompanied by paid invoices for materials incorporated in the Work and for materials suitably stored at the site, and affidavit(s) by Subcontractors whose Work was included in the next to the last application to the effect such Work and such materials have been paid for.

No payment shall be made without Contractor having provided all submittals set forth in this Section, and the approval of same by the County.

For contracts exceeding \$100,000.00, monthly payments will be made on the Work to the extent of 98% of the value of the Work done which is considered to be retainage.

For contracts less than \$100,000.00, monthly payments will be on the Work to the extent of 90% of the value of the Work done. In lieu of the retainage, the Contractor will, at his option, deposit with the County Counsel negotiable bearer bonds of the State of New Jersey or any political subdivision thereof, equal to the amount otherwise withheld as retainage.

When the Project is completed, the final cost of the Project will be based on actual quantities of authorized Work done under each item scheduled in the bidding sheet and approved Change Orders, if any. The money due to the Contractor as determined by said final certificate after deduction of previous monthly payments on account, will be paid to the Contractor in accordance with the terms of the contract dealing with Prompt Payment, providing, however that before such final payment is

made, all outstanding claims against the Contractor must be satisfied. Before final payment is released, the Contractor must furnish: **a)** Maintenance Bond (see Section 6 of these general specifications); **b)** Certification of Compliance, New Jersey Prevailing Wage Act (see Sections 21 and 51); and **c)** General Release (see Section 36) in a form satisfactory to County Counsel; **d)** complete set of as-built plans in the latest AutoCad on compact disc; and **e)** a complete set of in-progress photos in jpg, jpeg, or bmp digital format on a compact disc.

#### **41. INSPECTION**

The Work must be done in accordance with the plans and specifications, and will be inspected by the County Engineer. An inspector may be placed upon the Work at any time by the County Engineer to see that the plans, specifications, and instructions of the County Engineer are carried out. In connection herewith, bidders are referred to N.J.S.A. 40A:11-17.

#### **42. DAMAGES**

The Contractor will be held responsible for all damages that may occur to Work, or to persons or property by reason of the nature of the Work or from the elements, or by reason of inadequate protection of the Work, or from any carelessness or negligence on his part or on the part of his employees. The County will withhold payments on the Work until all suits or claims for damages sustained on, or by reason of, this Work will have been settled by the Contractor.

The construction and final completion of this Work will be guaranteed by the Contractor. Any damages that may be done to the Work or any part thereof, by the elements or otherwise, during its construction, will be made good by the Contractor.

#### **43. LIQUIDATED DAMAGES**

If the Project is not completed within the time specified herein or within such further time as may have been granted by the County Engineer, then the Contractor hereby agrees to pay to the County as liquidated damages, but not as a penalty, \$1,000.00 per day for each and every calendar day that he is in default on time to complete the Work. The said sum will be deducted from moneys due the Contractor and if the damages exceed this amount, then the Contractor or his Surety Company will pay the excess. These damages may be waived at the option of the County.



## **44. AFFIRMATIVE ACTION REQUIREMENTS**

### **EXHIBIT B (Revised 4/10)**

#### **MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127) N.J.A.C. 17:27**

#### **CONSTRUCTION CONTRACTS**

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

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, up-grading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer, pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

When hiring or scheduling workers in each construction trade, the contractor or subcontractor agrees to make good faith efforts to employ minority and women workers in each construction trade consistent with the targeted employment goal prescribed by N.J.A.C. 17:27-7.2; provided, however, that the Division may, in its discretion, exempt a contractor or subcontractor from

compliance with the good faith procedures prescribed by the following provisions, A, B and C, as long as the Division is satisfied that the contractor or subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Division, that its percentage of active "card carrying" members who are minority and women workers is equal to or greater than the targeted employment goal established in accordance with N.J.A.C. 17:27-7.2. The contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

(A) If the contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor shall, within three business days of the contract award, seek assurances from the union that it will cooperate with the contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et. seq., as supplemented and amended from time to time and the Americans with Disabilities Act. If the contractor or subcontractor is unable to obtain said assurances from the construction trade union at least five business days prior to the commencement of construction work, the contractor or subcontractor agrees to afford equal employment opportunities minority and women workers directly, consistent with this chapter. If the contractor's or subcontractor's prior experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility that the trade union will not refer sufficient minority and women workers consistent with affording equal employment opportunities as specified in this chapter, the contractor or subcontractor agrees to be prepared to provide such opportunities to minority and women workers directly, consistent with this chapter, by complying with the hiring or scheduling procedures prescribed under (B) below; and the contractor or subcontractor further agrees to take said action immediately if it determines that the union is not referring minority and women workers consistent with the equal employment opportunity goals set forth in this chapter.

(B) If good faith efforts to meet targeted employment goals have not or cannot be met for each construction trade by adhering to the procedures of (A) above, or if the contractor does not have a referral agreement or arrangement with a union for a construction trade, the contractor or subcontractor agrees to take the following actions:

(1) To notify the public agency compliance officer, the Division, and minority and women referral organizations listed by the Division pursuant to N.J.A.C. 17:27-5.3, of its workforce needs, and request referral of minority and women workers;

(2) To notify any minority and women workers who have been listed with it as awaiting available vacancies;

(3) Prior to commencement of work, to request that the local construction trade union refer minority and women workers to fill job openings, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade;

(4) To leave standing requests for additional referral to minority and women workers with the local construction trade union, provided the contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment Service and other approved referral sources in the area;

(5) If it is necessary to lay off some of the workers in a given trade on the construction site, layoffs shall be conducted in compliance with the equal employment opportunity and non-discrimination standards set forth in this regulation, as well as with applicable Federal and State court decisions;

(6) To adhere to the following procedure when minority and women workers apply or are referred to the contractor or subcontractor:

(i) The contractor or subcontractor shall interview the referred minority or women worker.

(ii) If said individuals have never previously received any document or certification signifying a level of qualification lower than that required in order to perform the work of the construction trade, the contractor or subcontractor shall in good faith determine the qualifications of such individuals. The contractor or subcontractor shall hire or schedule those individuals who satisfy appropriate qualification standards in conformity with the equal employment opportunity and non-discrimination principles set forth in this chapter. However, a contractor or subcontractor shall determine that the individual at least possesses the requisite skills, and experience recognized by a union, apprentice program or a referral agency, provided the referral agency is acceptable to the Division. If necessary, the contractor or subcontractor shall hire or schedule minority and women workers who qualify as trainees pursuant to these rules. All of the requirements, however, are limited by the provisions of (C) below.

(iii) The name of any interested women or minority individual shall be maintained on a waiting list, and shall be considered for employment as described in (i) above, whenever vacancies occur. At the request of the Division, the contractor or subcontractor shall provide evidence of its good faith efforts to employ women and minorities from the list to fill vacancies.

(iv) If, for any reason, said contractor or subcontractor determines that a minority individual or a woman is not qualified or if the individual qualifies as an advanced trainee or apprentice, the contractor or subcontractor shall inform the individual in writing of the reasons for the determination, maintain a copy of the determination in its files, and send a copy to the public agency compliance officer and to the Division.

(7) To keep a complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Division and submitted promptly to the Division upon request.

(C) The contractor or subcontractor agrees that nothing contained in (B) above shall preclude the contractor or subcontractor from complying with the union hiring hall or apprenticeship policies in any applicable collective bargaining agreement or union hiring hall arrangement, and, where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement. However, where the practices of a union or apprenticeship program will result in the exclusion of minorities and women or the failure to refer minorities and women consistent with the targeted county employment goal, the contractor or subcontractor shall consider for employment persons referred pursuant to (B) above without regard to such agreement or arrangement; provided further, however, that the contractor or subcontractor shall

not be required to employ women and minority advanced trainees and trainees in numbers which result in the employment of advanced trainees and trainees as a percentage of the total workforce for the construction trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also, the contractor or subcontractor agrees that, in implementing the procedures of (B) above, it shall, where applicable, employ minority and women workers residing within the geographical jurisdiction of the union.

After notification of award, but prior to signing a construction contract, the contractor shall submit to the public agency compliance officer and the Division an initial project workforce report (Form AA 201) electronically provided to the public agency by the Division, through its website, for distribution to and completion by the contractor, in accordance with N.J.A.C. 17:27-7. The contractor also agrees to submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of this contract to the Division and to the public agency compliance officer.

The contractor agrees to cooperate with the public agency in the payment of budgeted funds, as is necessary, for on-the-job and/or off-the-job programs for outreach and training of minorities and women.

(D) The contractor and its subcontractors shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the Division from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code (NJAC 17:27)**.

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## 45. INVESTMENT ACTIVITIES IN IRAN

Pursuant to P.L. 2012, c.25, codified as N.J.S.A. 2:32-55 et seq., prohibits State and local public contracts with persons or entities engaging in certain investment activities in energy or finance sectors of Iran.

## 46. COMPLIANCE WITH THE PUBLIC WORKS CONTRACTOR REGISTRATION ACT - (N.J.S.A. 34:11-56.48 et. seq.)

Pursuant to the above-referenced law, Bidders are required to be registered with the New Jersey Department of Labor and Workforce Development and to possess a current certificate by said Department indicating compliance with the Act prior to the time and date that bids are received. Bidders are notified of this requirement of their compliance. Such certificates or applications shall also be provided for each Subcontractor furnishing plumbing and gas fitting, steam and hot water heating and ventilating apparatus, and all kindred work, steam power plants and kindred work, electrical work, structural steel and ornamental iron work, and such other subcontractors as the specifications require relative to prior identification.

## 47. UTILITIES

Attention of the bidder is directed to the fact that the approximate locations of known utility structures and facilities that may be encountered within and adjacent to the limits of the Work are shown on the plans and described herein. The accuracy and completeness of this information is not guaranteed by the County Engineer and the bidder is advised to ascertain for himself all the facts concerning the location of these and other utilities.

The Contractor will not proceed with his Work until he has made diligent inquiries of all public utility and municipal officials to determine the exact location of all underground structures and pipes within the site of the Project. The Contractor will notify utility owners not less than ten (10) days in advance of the time he proposes to perform any Work that will endanger or affect their facilities in compliance with **New Jersey One-Call**. In excavating in any part of the Work, care must be taken not to remove or damage any gas, water, sewer, or other pipe, conduit, or structure, - public or private - without the concurrence of the owner and the County Engineer. The Contractor will, at his own expense, shore up, secure and maintain a continuous flow in such structures, and will keep them in repair until final acceptance of the Work.

When pipes or other structures are encountered or when the removal, relocation or protection of these utilities are necessary in carrying out the Project as planned, the Contractor will cooperate with the owner of said utilities and will permit the owners or their agents access to the site of the Work in order to relocate or protect their facilities

and not hinder or delay unnecessarily the Work of the owners in moving same. No extra allowance of payment will be made to the Contractor for the use of any materials, equipment, etc., or for the performance of any Work in connection with the moving of said structures unless the Contractor is specifically ordered by the County Engineer to furnish such materials, equipment, or services. If directed by the County Engineer to do any Work or furnish any materials or equipment, payment will be allowed the Contractor in accordance with the unit prices bid for such Work, or, if such items are not scheduled in the proposal, such Work shall be allowed "Supplemental Work" as provided in Section 39 of these general specifications. The corporations, companies, agencies or municipalities owning or controlling the utilities, and the name, and telephone numbers are listed in the beginning of the Technical Specifications.

#### **48. MATERIAL COMPLIANCE AND SHOP DRAWINGS**

The Contractor will require the manufacturer or supplier to furnish three (3) copies of Certification of Compliance with each delivery of materials, components and manufactured items for the Project. Two (2) copies will be furnished to the County Engineer; one copy will be retained by the Contractor. Certificates of Compliance will contain the following information:

1. Project to which material is consigned;
2. Name of the Contractor to which the material is supplied;
3. Kind of material supplied;
4. Quantity of material represented by the Certificate;
5. Means of identifying the consignment, such as label marking, seal number, etc.;
6. Date and method of shipment;
7. That the material is in conformity with the pertinent specifications stated in the certificate; and
8. Signature of a person having legal authority to bind the supplier.

The Contractor will submit to the County Engineer for his approval five (5) copies of complete and fully detailed shop or working drawings for those items listed in the beginning of the technical specifications.

Each drawing will identify the name of the job, location and Contractor.

All drawings will be approved in accordance with the standard specifications. Refer to the Technical Specifications for specific items.

All materials or articles used in the Work will be of American manufacture, insofar as same are available, in conformance with N.J.S.A. 40A:11-18.

#### **49. PRECONSTRUCTION**

In order to provide full coordination of this Project among the parties concerned, the County Engineer will arrange for a preconstruction meeting between the Contractor, County Engineer and other interested parties as soon as possible after the contract is executed. At this meeting the Contractor will present his proposed schedule of Work which shall be subject to review and approval of the County through its designated representatives.

#### **50. DISPUTES UNDER THE CONTRACT**

A dispute arising under the Contract shall be submitted in writing to the County Engineer with all facts and supporting data. The County Engineer will review the dispute and issue his decision or request additional facts or documentation after which he will render his decision.

In the event the dispute is not then resolved, the matter shall, pursuant to law, be submitted to mediation before being submitted to a court of competent jurisdiction venued in Union County.

The County Engineer will notify the County Counsel when a matter is to be submitted to mediation. The County Counsel will communicate with the parties and inform them of the procedures to be followed in making such a submission.

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## 51. CONTRACTOR BUSINESS REGISTRATION CERTIFICATE New Mandatory Requirement -Effective 1/18/2010

The recently enacted **P.L. 2009, c.315**, requires that effective January 18, 2010; a contracting agency must receive proof of the bidder's business registration prior to the award of a contract. However, the proof must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each subcontractor must be provided prior to the award of bid. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be

- A copy of a Business Registration Certificate issued by the Department of the Treasury, Division of Revenue; or
- A copy of the web version provided by the NJ Division of Revenue, or

Register online at <http://www.state.nj.us/treasury/revenue/busregcert.htm>. Click the "online" link and then select "Register for Tax and Employer Purposes or call the Division at 609-292-1730.

**Note: A NJ Certificate of Authority is not acceptable.**

**FAILURE** to submit proof of registration of the bidder or any subcontractor named on the bid prior to the award of contract shall be cause to reject the bid.

**FAILURE** of the bidder or any subcontractor named on the bid to be registered prior to the receipt of bids is cause for a **MANDATORY REJECTION** of bids. (A NON-WAIVABLE DEFECT). This covers construction Work as well as non-construction bids.

### **IN ADDITION:**

*N.J.S.A. 52:32-44* imposes the following requirements on Contractors and all subcontractors that knowingly provide goods or perform services for a Contractor fulfilling this contract:

- 1) the Contractor shall provide written notice to its subcontractors and suppliers to submit proof of business registration to the Contractor;
- 2) subcontractors through all tiers of a project must provide written notice to their subcontractors and suppliers to submit proof of business registration and subcontractors shall collect such proofs of business registration and maintain them on file;



- 3) prior to receipt of final payment from a contracting agency, the Contractor must submit to the contacting agency an accurate list of all subcontractors and suppliers or attest that none was used; and,
- 4) during the term of this contract, the Contractor and its affiliates shall collect and remit, and shall notify all subcontractors and their affiliates that they must collect and remit, to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act, (*N.J.S.A. 54:32B-1 et seq.*) on all sales of tangible personal property delivered into this State.

A Contractor, subcontractor or supplier who fails to provide proof of business registration or provides false business registration information shall be liable to a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided or maintained under a contract with a contracting agency. Information on the law and its requirements are available by calling (609) 292-9292.

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]**

## **52. BID PROTEST – LEGAL FEES AND COSTS**

In the event a Bidder unsuccessfully challenges a Bid Submission by filing an action in a court of law concerning same, said Bidder shall be responsible for payment of reasonable legal costs and fees incurred by the County relating to said protest.

## **53. AMERICAN GOODS AND PRODUCTS WHERE POSSIBLE**

Bidder shall comply with the requirements of N.J.S.A. 40A:11-18 and use only manufactured and farm products of the United States, wherever available, for the Project.

## **54. NEW JERSEY PAY-TO-PLAY REQUIREMENTS**

This Contract is required by law to be publicly advertised for bids. As such, lists of political contributions pursuant to N.J.S.A. 19:44A-1 et seq. are NOT REQUIRED to be provided with the bids.

## **55. STATEMENT OF EQUIPMENT TO BE USED IN CONSTRUCTION**

Pursuant to N.J.S.A. 40A:11-20 entitled Certificate of Bidder Showing Ability to Perform Contract, the County requires a Certification from all bidders submitting a bid showing that the Bidder owns, leases, or controls all necessary equipment required by the Project Plans and Specifications. All bidders shall provide this information at the time of the bid opening using the attached form entitled, "CERTIFICATE OF BIDDER SHOWING ABILITY TO PERFORM CONTRACT".

If the Bidder is not the actual owner of the equipment, it shall state the source from which the equipment will be obtained and shall attach a certificate from the owner or person in control of the equipment demonstrating that the equipment owner has granted the Bidder control of the requisite equipment during such time as may be necessary for completion of the portion of the contract for which the equipment is necessary.

## **56. NEW JERSEY SALES AND USE TAX REQUIREMENTS,**

Contractors are required to comply with the following:

New Jersey Sales and Use Tax Requirements: All contractors with subcontractors, or any of their affiliates, who enter into contracts for the provision of goods or services with or for New Jersey local government entities, are required to collect and remit to the New Jersey Director of Taxation in the Department of the Treasury the use tax due on all of their sales of tangible personal property delivered into the State of New Jersey pursuant to the "Sales and Use Tax Act," (N.J.S.A. 54:32B-1 et seq.),

regardless of whether the tangible personal property is intended for a contract with the contracting agency. This tax shall be remitted for the term of the Contract.

For purposes herein "affiliate" shall mean any entity that: (a) directly, indirectly, or constructively controls another entity, (b) is directly, indirectly, or constructively controlled by another entity, or (c) is subject to the control of a common entity. For purposes of the immediately preceding sentence, an entity controls another entity if it owns, directly or indirectly, more than fifty percent (50%) of the ownership interest in that entity. NJSA 52:32-44(g)(3).

Bidder's Name \_\_\_\_\_

EDWARD T. OATMAN  
COUNTY MANAGER

LAURA M. SCUTARI, QPA, MPA  
DIRECTOR / DIVISION OF PURCHASING

**BID DOCUMENT SUBMISSION CHECKLIST**

**ALL SIGNATURES AND SEALS SHALL BE ORIGINALS UNLESS OTHERWISE SPECIFIED  
BID SHEETS SHOULD NOT BE SUBMITTED DOUBLE SIDED PAGES, (SINGLE SIDE ONLY)**

**EACH BIDDER SHOULD COMPLETE THIS FORM AND INITIAL EACH ENTRY.**

DATE COMPLETED: \_\_\_\_\_

**PLEASE SUBMIT BID DOCUMENTS ON SINGLE SIDED PAPER ONLY, WITH THE EXCEPTION OF  
THE SURETY AND BID BOND DOCUMENTS.**

**IN ACCORDANCE WITH THE BID SPECIFICATIONS I HAVE REVIEWED, COMPLETED / EXECUTED  
AND INCLUDED THE FOLLOWING FORMS:**

\_\_\_\_\_ Bid Form Page (**Signed, Dated and Bid on all alternatives applicable to the Work**).

\_\_\_\_\_ Security in the form of:

- \_\_\_\_\_ Bid bond in an amount equal to 10% of the total amount of this bid not to exceed \$20,000.00; or
- \_\_\_\_\_ Certified check or cashier's check in the amount of 10% of this bid not to exceed \$20,000.00

\_\_\_\_\_ Consent of Surety form signed by a Surety Company if the total amount of your Bid is over \$36,000.00. If your bid is accepted, the Surety Company that provided the Consent shall be required to furnish a Performance, Labor and Materials Bond in the amount of 100% of the award of the contract. The County of Union has provided its Consent of Surety form for your use. The use of this form by your Surety Company will expedite the bid review process and eliminate the possibility of having your bid rejected. If, however, you should need to use another form, please use language similar to that used on the Union County form and avoid making any additions or deletions to the Union County form language. In lieu of the Consent of Surety you may submit a Certified Check in the full amount of the bid.

\_\_\_\_\_ STATEMENT OF BIDDER OWNERSHIP. Pursuant to N.J.S.A. 52:25-24.2, which includes **BOTH** of the following documents:

- Bidder Signature Page
- Bidder Disclosure Statement (**Fill out 2 pages completely**)

\_\_\_\_\_ SUBCONTRACTOR IDENTIFICATION. Pursuant to N.J.S.A. 40A:11-16, which includes **BOTH** of the following documents:

- Subcontractor Identification Statement: List of Subcontractors (**only for certain types of work**)
- Subcontractor Identification Certification

\_\_\_\_\_ Acknowledgement of Addendum form: (**This form is to be used only when an addendum has been added to the specifications**).

\_\_\_\_\_ A copy of the State of New Jersey Department of the Treasury, Division of Revenue, **Business Registration Certificate ("BRC")** should be included with the bids as it must be received by the County prior to the award of the contract. The BRC provided must show that the Bidder was registered at the time of receipt of bids or the bid will be rejected.

\_\_\_\_\_ A copy of the State of New Jersey Department of the Treasury, Division of Revenue, **Business Registration Certificate ("BRC")** of all named or listed subcontractors (List of Subcontractors) in a Construction bid should be included with the bid as the BRC(s) must be received by the County prior to the award of the contract. Each subcontractor's certificate provided must show that the subcontractor was registered at the time of the receipt of bids or the bid will be rejected.

Bidder's Name \_\_\_\_\_

- \_\_\_\_\_ Affirmative Action Requirement
- \_\_\_\_\_ Experience Statement
- \_\_\_\_\_ Certificate of Bidder showing ability to perform Contract
- \_\_\_\_\_ Non-Collusion Affidavit – Fill out completely and notarize
- \_\_\_\_\_ Certificates from New Jersey Department of Labor and Workforce Development – Public Works Contractor Registration Act. **(Only for certain types of work)**
- \_\_\_\_\_ Federal Attachments **(If applicable)**
- \_\_\_\_\_ NJDPMC Certificate / Notice of Classification **(If applicable)**
- \_\_\_\_\_ Americans with Disabilities Act
- \_\_\_\_\_ Statement of Bidder's Qualifications
- \_\_\_\_\_ Contractor Performance Record
- \_\_\_\_\_ Affidavit Regarding List of Debarred, Suspended or Disqualified Bidders
- \_\_\_\_\_ Prior Negative Experience Questionnaire
- \_\_\_\_\_ Contractor's Certification of Compliance – New Jersey Prevailing Wage Act
- \_\_\_\_\_ Uncompleted Contracts Affidavit **(For Bidder, if applicable) MUST ALSO PROVIDE DPMC FORM 701**
- \_\_\_\_\_ Certificate of Insurance Statement
- \_\_\_\_\_ Collection of Use Tax on Sales to Local Government Statement
- \_\_\_\_\_ Time of Completion
- \_\_\_\_\_ Disclosure of Investment Activities in Iran Certification Form

**I HAVE TAKEN THE FOLLOWING ACTIONS:**

- \_\_\_\_\_ Visited the site and attended the Pre-Bid Meeting **(Where applicable)**
- \_\_\_\_\_ Reviewed the Contract Documents (including any permits the County or its professionals may have obtained), Work, Site, Locality, and Local Conditions and Laws and Regulations that in any manner may affect Cost, Progress, Performance or Furnishing of Work.
- \_\_\_\_\_ Reviewed Bond Requirements
- \_\_\_\_\_ Provided Proof of Compliance with New Jersey Prevailing Wage Act
- \_\_\_\_\_ Reviewed Form of Owner/Contractor Agreement and General Conditions to the Contract

**NOTE: QUESTIONS PERTAINING TO THIS BID ARE TO BE DIRECTED TO DIVISION OF ENGINEERING AT 908-789-3675**

**BIDDING DOCUMENTS**

The Bidding Documents consist of the following items:

- **ADDENDA, if issued**
- **CLARIFICATIONS, if issued**
- **INSTRUCTION TO BIDDERS**
- **BID FORM**
- **SPECIFICATIONS:**      **As outlined in the Table of Contents and included in the Project Manual.**
- **DRAWINGS:**              **As per List of Drawings, indicated on the Project Title Sheet.**

Bidder's Name \_\_\_\_\_

**BID FORM**

I/We have carefully examined the plans, specifications, and advertisement for bid for the

**REPLACEMENT OF MOUNTAIN AVENUE MINOR BRIDGE BE-26 OVER STREAM 3-61-1  
TOWNSHIP OF BERKELEY HEIGHTS, COUNTY OF UNION, NEW JERSEY  
BA#2-2019; UNION COUNTY ENGINEERING PROJECT #2013-024**

that is on file in the Union County Division of Engineering. I/We have inspected the site of the work and will contract to do all the work and furnish all materials mentioned in said plans and specifications. Work will be accomplished in the manner prescribed therein.

**BASE BID ITEMS:**

ITEM NO	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1		
2	SILT FENCE	LF	102		
3	INLET FILTER, TYPE 2	EA	8		
4	FLOATING TURBIDITY BARRIER, TYPE 1	LF	15		
5	BREAKAWAY BARRICADE	EA	18		
6	CONSTRUCTION SIGNS	SF	215		
7	CONSTRUCTION BARRIER CURB	LF	134		
8	CLEARING SITE, STRUCTURE	LS	1		
9	EXCAVATION, TEST PITS	CY	8		
10	EXCAVATION, UNCLASSIFIED	CY	1,020		
11	I-9 SOIL AGGREGATE	CY	854		
12	SOIL AGGREGATE BASE COURSE, VARIABLE THICKNESS	CY	182		
13	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	306		
14	COARSE AGGREGATE, SIZE NO. 57	CY	41		
15	HMA MILLING, 3" OR LESS	SY	109		
16	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	TONS	45		
17	HOT MIX ASPHALT 19 M 64 BASE COURSE	TONS	98		
18	REINFORCEMENT STEEL, GALVANIZED	LB	8,720		
19	EPOXY WATERPROOFING	SY	84		
20	CONCRETE WING WALL	CY	51		
21	PRECAST CONCRETE CULVERT	LF	54		
22	BRIDGE COMBINATION RAILING (1-RAIL, ALUMINUM)	LF	39		
23	RETAINING WALL, CAST-IN-PLACE	SF	39		
24	CONCRETE HEADWALL	CY	61		

**BID FORM** – (Continued)

ITEM NO	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT PRICE	AMOUNT
25	INLET, TYPE DOUBLE B	EA	3		
26	15" REINFORCED CONCRETE PIPE, CLASS III	LF	45		
27	30" REINFORCED CONCRETE PIPE, CLASS III	LF	19		
28	10" HIGH DENSITY POLYETHYLENE PIPE	LF	21		
29	RIPRAP STONE SLOPE PROTECTION, 12" THICK (d50=12")	SY	43		
30	RIPRAP STONE CHANNEL PROTECTION, 18" THICK (d50=12")	SY	48		
31	ORNAMENTAL FENCE	LF	12		
32	CONCRETE SIDEWALK, 4" THICK	SY	60		
33	HOT MIX ASPHALT DRIVEWAY, VARIABLE THICKNESS	SY	245		
34	CONCRETE DRIVEWAY, 6" THICK	SY	10		
35	GRANITE CURB	LF	185		
36	TRAFFIC STRIPES, LONG LIFE, EPOXY RESIN 4"	LF	260		
37	TOPSOILING, 4" THICK	SY	96		
38	FERTILIZING AND SEEDING, TYPE A-3	SY	96		
39	STRAW MULCHING	SY	96		
40	UNIFORMED POLICE OFFICERS	ALLOW	1	\$20,000.00	\$20,000.00
41	BRIDGE PLAQUE	EA	2		
42	RUBBLE STONE MASONRY	SF	310		
43	CONCRETE BRIDGE PARAPET	LF	58		
44	BLUESTONE CAP	SF	179		
45	SMALL DECIDUOUS TREE, 2-1/2" CALIPER	EA	6		

**TOTAL BASE BID ITEMS:**

\_\_\_\_\_  
Written

\_\_\_\_\_  
Figures

**BID CONTINGENCY: (To be used if and when directed by the County of Union)**

Forty Thousand Dollars and No Cents \_\_\_\_\_

Written

\$40,000.00 \_\_\_\_\_

Figures

**TOTAL BASE BID ITEMS PLUS BID CONTINGENCY:**

\_\_\_\_\_  
Written

\_\_\_\_\_  
Figures

**NOTE: Bid Contingency may include one-half of one percent of contract amount set aside for local training if and when directed by the County.**



Bidder's Name \_\_\_\_\_

**CONSENT OF SURETY**  
TO ACCOMPANY PROPOSAL (BID)

\_\_\_\_\_ (hereinafter called Surety), organized and existing under the laws of the State of \_\_\_\_\_ duly authorized and qualified to transact business in the State of New Jersey, in consideration of the sum of One Dollar (\$1.00), lawful money of the United States of America, to it in hand paid, receipt whereof is hereby acknowledged, and in consideration, hereby certifies and agrees that if the contract for which the attached proposal is made be awarded to \_\_\_\_\_ (hereinafter called Contractor) for the performance of certain work and labor or the supplying of certain materials, or both, as more particularly set forth in said proposal and described for purposes of this instrument as a proposal for \_\_\_\_\_ to the COUNTY OF UNION and if Contractor shall enter into the contract, Surety will become bound as surety for its faithful performance, labor and material payment and will provide the Contractor with a performance, labor and material payment bond in the full amount of the contract price.

**NOTE:**  
Expiration date  
Needed if Annual  
Surety

\_\_\_\_\_  
**NAME OF INSURANCE COMPANY**

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

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**ORIGINAL SIGNATURE**  
**ATTORNEY-IN-FACT FOR INSURANCE CO.**

**NOTE: PROOF OF AUTHORITY OF OFFICERS OF SURETY COMPANY TO EXECUTE THIS DOCUMENT MUST BE SUBMITTED.**

Bidder's Name \_\_\_\_\_

**BIDDER SIGNATURE PAGE**

THE BIDDER MUST READ THE FOLLOWING INSTRUCTIONS TO COMPLETE THIS PAGE:

1. If doing business under a **trade name, partnership or a sole proprietorship**, you must submit the bid under exact title of the trade name, partnership, or proprietorship, and the bid must be signed by either the **owner**, or a **partner** and **witnessed** by a **notary public**.
2. If a **Corporation**, the bid must be signed by the **President** or **Vice President** and **witnessed** by a **Corporate Secretary** (corporate title must be exact) and **affix corporate seal**. If a Corporate Secretary does not exist, President or Vice President's signature shall be witnessed by a Notary Public.
3. Other persons **authorized** by **corporate resolution** to execute agreements in its behalf may also sign the bid documents (pages). **Copy of a resolution must accompany the bid**.
4. The person who signs this bid form **must also** sign the **Non-Collusion Affidavit**.
5. You **cannot** witness your own signature.

\_\_\_\_\_  
**NAME OF BIDDER**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
**ADDRESS OF BIDDER**

\_\_\_\_\_  
**ORIGINAL SIGNATURE  
CORPORATE SECRETARY**

\_\_\_\_\_  
**PRINT NAME AND TITLE  
CORPORATE SECRETARY**

**TEL:** \_\_\_\_\_  
**FAX:** \_\_\_\_\_  
**E-Mail:** \_\_\_\_\_

**BY:** \_\_\_\_\_  
**ORIGINAL SIGNATURE**

**Corporate Seal**

\_\_\_\_\_  
\_\_\_\_\_  
**PRINT OR TYPE NAME AND TITLE**

**WARNING: IF YOU FAIL TO FULLY, ACCURATELY, AND COMPLETELY SUPPLY THE INFORMATION REQUESTED ON THIS PAGE, YOUR BID MAY BE REJECTED.**

**STATEMENT OF OWNERSHIP DISCLOSURE**

N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

**This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.**

**Name of Organization:** \_\_\_\_\_

**Organization Address:** \_\_\_\_\_

**Part I Check the box that represents the type of business organization:**

- Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- For-Profit Corporation (any type)     Limited Liability Company (LLC)
- Partnership         Limited Partnership         Limited Liability Partnership (LLP)
- Other (be specific): \_\_\_\_\_

**Part II**

The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST BELOW IN THIS SECTION)**

**OR**

No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**

(Please attach additional sheets if more space is needed):

Bidder's Name \_\_\_\_\_

Name of Individual or Business Entity	Home Address (for Individuals) or Business Address

**Part III DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II**

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. **Attach additional sheets if more space is needed.**

Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

**Please list** the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II **other than for any publicly traded parent entities referenced above.** The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. **Attach additional sheets if more space is needed.**

Bidder's Name \_\_\_\_\_

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Home Address (for Individuals) or Business Address

**Part IV Certification**

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the **County of Union** is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with **County of Union** to notify the **County of Union** in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the **County of Union** to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):		Title:	
Signature:		Date:	

**SUBCONTRACTOR IDENTIFICATION STATEMENT**

**LIST OF SUBCONTRACTORS**

This form is ONLY required for plumbing and gas fitting, steam and hot water heating and ventilating apparatus, steam power plants, electrical work, structural steel, ornamental iron work, and any other trades required to be identified by the specifications (including, but not limited, to satisfying any DPMC Classification requirements).

**CHECK THIS BOX IF NONE OF THE ABOVE LISTED TRADES OR THOSE REQUIRED TO BE IDENTIFIED IN THE SPECIFICATIONS ARE TO BE USED TO PERFORM THE WORK**

In compliance with N.J.S.A. 40A:11-16 and the bid specifications, the undersigned hereby lists the name or names of the following subcontractors:

Company Name: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ Subcontract Amount: \$ \_\_\_\_\_

Specific Scope of Work Subcontracted: \_\_\_\_\_

License No. \_\_\_\_\_

Company Name: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ Subcontract Amount: \$ \_\_\_\_\_

Specific Scope of Work Subcontracted: \_\_\_\_\_

License No. \_\_\_\_\_

Company Name: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ Subcontract Amount: \$ \_\_\_\_\_

Specific Scope of Work Subcontracted: \_\_\_\_\_

License No. \_\_\_\_\_

**IF MORE THAN THREE SUBCONTRACTORS, PLEASE COPY THIS SHEET AS NECESSARY AND ATTACH TO THE BID PACKAGE.**

(Continued on following page)

Bidder's Name \_\_\_\_\_

**SUBCONTRACTOR IDENTIFICATION CERTIFICATION**

Note the law does not permit the listing of alternate subcontractors. However, multiple subcontractors for the same trade are permitted to be named provided the bidder meets the following requirements:

- Bidder identifies each subcontractor named for that category;
- Bidder states the scope of work, goods and services (the portion of the work) to be performed by each subcontractor; and
- Bidder provides the price quote provided by each subcontractor.

The bidder is advised that any change of subcontractor(s) from ones listed herein is subject to the County's approval. Change of subcontractor(s) will be approved only if made for good cause and not as a result of an arbitrary purpose.

The undersigned Bidder certifies and declares that the subcontractors listed above shall be used as subcontractors to complete certain portions of the work in this project as set forth in N.J.S.A. 40A: 11-16.

\_\_\_\_\_  
**Witness**

**Date** \_\_\_\_\_

\_\_\_\_\_  
**NAME OF BIDDER**

\_\_\_\_\_  
**ADDRESS**

**By:** \_\_\_\_\_  
**ORIGINAL SIGNATURE ONLY**

\_\_\_\_\_  
**PRINT NAME AND TITLE**

Bidder's Name \_\_\_\_\_

**ACKNOWLEDGMENT OF ADDENDUM**

**COUNTY OF UNION**

\_\_\_\_\_  
**(Name of Construction /Public Works Project)**

\_\_\_\_\_  
**(Project or Bid Number)**

Pursuant to N.J.S.A. 40A:11-23.1a., the undersigned bidder, hereby acknowledges receipt of the following notices, revisions, or addenda to the bid advertisement, specifications or bid documents. By indicating date of receipt, bidder acknowledges the submitted bid takes into account the provisions of the notice, revision or addendum. Note that the County of Union's record of notice to bidders shall take precedence and that failure to include provisions of changes in a bid proposal may be subject for rejection of the bid.

<b>Local Unit Reference Number or Title of Addendum/Revision</b>	<b>How Received (mail, fax, pick- up, etc.)</b>	<b>Date Received</b>

**ACKNOWLEDGMENT BY BIDDER:**

**NAME OF BIDDER:** \_\_\_\_\_

**ORIGINAL SIGNATURE:** \_\_\_\_\_

**PRINTED NAME AND TITLE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_



**CONTRACTOR BUSINESS REGISTRATION CERTIFICATE**

New Mandatory Requirement - Effective 1/18/2010

The recently enacted **P.L. 2009, c.315**, requires that effective January 18, 2010; a contracting agency must receive proof of the bidder's business registration prior to the award of a contract. However, the proof must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each subcontractor must be provided prior to the award of bid. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be

- A copy of a Business Registration Certificate issued by the Department of the Treasury, Division of Revenue; or
- A copy of the web version provided by the NJ Division of Revenue, or

Register online at [www.nj.gov/treasury/revenue/taxreg.htm](http://www.nj.gov/treasury/revenue/taxreg.htm). Click the "online" link and then select "Register for Tax and Employer Purposes or call the Division at 609-292-1730.

**Note: A NJ Certificate of Authority is not acceptable.**

**FAILURE** to submit proof of registration of the bidder or any subcontractor named on the bid prior to the award of a contract shall be cause to reject the bids.

**FAILURE** of the bidder or any subcontractor named on the bid to be registered prior to the receipt of bids is cause for a **MANDATORY REJECTION** of bids. (A NON-WAIVABLE DEFECT). This covers construction work as well as non-construction bids.

**IN ADDITION:**

The contractor shall provide written notice to all **subcontractors and suppliers** not specifically named on the bid of the responsibility to register and submit proof of business registration to the contractor. The requirement of proof of business registration extends down through all levels (tiers) of the project.

Before final payment on the contract is made by the contracting agency, the contractor shall submit an accurate list and the proof of business registration of each subcontractor or supplier used in the fulfillment of the contract, or shall attest that no subcontractors were used.

For the term of the contract, the contractor and each of its affiliates and a subcontractor and each of its affiliates [N.J.S.A. 52:32-44(g)(3)] shall collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act on all sales of tangible personal property delivered into this State, regardless of whether the tangible personal property is intended for a contract with a contracting agency.

A business organization that fails to provide a copy of a business registration as required pursuant to section 1 of P.L.2001,c.134 (C.52:32-44 et al.) or subsection e. or f. of section 92 of P.L.1977,c.110 (C.5:12-92), or that provides false business registration information under the requirements of either of those sections, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

**BUSINESS REGISTRATION**  
Mandatory Requirement

P.L. 2009, c.315, requires that effective January 18, 2010; a contracting agency must receive proof of the bidder's business registration prior to the award of a contract. However, the proof must show that the bidder was in fact registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

If subcontractors are named on the bid, proof of the business registration for each must be provided prior to the award of a contract. Similarly to the bidder, the proof must show that each subcontractor was registered with the State of New Jersey Department of the Treasury, Division of Revenue and obtained the business registration prior to the receipt of bids.

Proof of business registration shall be:

- A copy of a Business Registration Certificate issued by the Department of Treasury, Division of Revenue; or
- A copy of the web printed version provided by the NJ Division of Revenue

**STATE OF NEW JERSEY**  
**BUSINESS REGISTRATION CERTIFICATE**  
FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS

DEPARTMENT OF TREASURY  
DIVISION OF REVENUE  
10000 202  
TRENTON, NJ 08646

**Taxpayer Name:** TAX REG TEST ACCOUNT  
**Trade Name:**  
**Address:** 847 ROEBLING AVE  
TRENTON, NJ 08611  
**Certificate Number:** 1093907  
**Date of Issuance:** October 14, 2004

**For Office Use Only:**  
20041014112823533

**TAXPAYER NAME:** TAX REGISTRATION TEST ACCOUNT  
**TAXPAYER IDENTIFICATION#:** 970-097-382/000  
**ADDRESS:** 847 ROEBLING AVE  
TRENTON NJ 08611  
**EFFECTIVE DATE:** 01/01/01  
**FORM BRC(06/01)**

**TRADE NAME:** CLIENT REGISTRATION  
**SEQUENCE NUMBER:** 0107200  
**ISSUANCE DATE:** 07/14/04

*John S. Eudy*  
Authorized Signatory

This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.

ATTACH BRC HERE

Bidder's Name \_\_\_\_\_

**AFFIRMATIVE ACTION REQUIREMENT**

**REQUIRED AFFIRMATIVE ACTION EVIDENCE**

General Requirements of P.L. 1975, c. 127: You are hereby put on notice that:

CONSTRUCTION CONTRACTS: The successful contractor must submit within three (3) days of the notice of intent to award or the signing of the contract the initial project manning report (A.A.201). This report should be submitted at the time the signed contract is returned to the County of Union. Attention: *Affirmative Action Officer*.

**If the successful contract does not submit the initial project manning report (A.A.201) within the three (3) days from the time the signed contract is returned to the County of Union, the County of Union WILL declare the contractor non-responsive and award the contract to the next lowest responsible bidder.**

\_\_\_\_\_  
NAME OF BIDDER

\_\_\_\_\_  
ORIGINAL SIGNATURE

\_\_\_\_\_  
PRINT OR TYPE NAME AND TITLE

\_\_\_\_\_  
DATE THIS FORM IS COMPLETED

Bidder's Name \_\_\_\_\_

**EXPERIENCE STATEMENT**

I hereby certify that my company has performed the following private or public work, which is relevant to this bid. I further certify that my company has never defaulted under any contract. Should you not sign this form due to prior defaults, please provide details on an attached sheet.

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
NAME OF BIDDER

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
ADDRESS

By: \_\_\_\_\_  
ORIGINAL SIGNATURE ONLY

\_\_\_\_\_  
PRINT NAME AND TITLE

**YOU MAY ATTACH ADDITIONAL SHEETS, BUT YOU MUST SIGN AND WITNESS THIS SHEET.**

**CERTIFICATE OF BIDDER SHOWING ABILITY TO PERFORM CONTRACT**

STATE OF NEW JERSEY / \_\_\_\_\_ )  
Specify, if Other ) SS:  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, of the (City, Town, Borough, etc.) of \_\_\_\_\_  
State of \_\_\_\_\_, of full age, being duly sworn according  
to law on my oath depose and say that:

I am \_\_\_\_\_ of the firm of \_\_\_\_\_,  
the Bidder making the proposal for the above named Project ("Contractor"), and that I executed said  
proposal with full authority to do so; and that said Contractor, pursuant to N.J.S.A. 40A:11-20, certifies  
that it owns, leases or controls all the necessary equipment required by the Plans, Specifications and  
Advertisements under this Bids are asked for.

If the Bidder is not the actual owner or lessee of any such equipment, then the Bidder shall attach to this  
Certificate information identifying the source from which the equipment will be obtained, and such  
information shall be accompanied by a certificate from the owner or person in control of the equipment  
definitively granting to the Bidder the control of the equipment required during such time as may be  
necessary for the completion of that portion of the contract.

\_\_\_\_\_  
(Also type or print name of affiant under signature)

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

**NON-COLLUSION AFFIDAVIT**  
(N.J.S.A. 52:34-15)

STATE OF \_\_\_\_\_ )

) **SS:** \_\_\_\_\_

COUNTY OF \_\_\_\_\_ )

I \_\_\_\_\_, of the City of \_\_\_\_\_, in the County of \_\_\_\_\_, and the State of \_\_\_\_\_, of full age, being duly sworn according to law, on my oath depose and say that: I am \_\_\_\_\_ of the firm of \_\_\_\_\_, the bidder making the proposal for the above named project, and that I executed the said proposal for the above named project, and that I executed the said proposal with full authority to do so; that said bidder has not, directly or indirectly, entered into any agreement, participation in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said proposal and in this Affidavit are true and correct, and made with full knowledge that the COUNTY OF UNION, NEW JERSEY relies upon the truth of the statements contained in said proposal and in the statements contained in the affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bonafide established commercial or selling agencies maintained by \_\_\_\_\_ (N.J.S.A. 52:34-15).

\_\_\_\_\_  
**NAME OF BIDDER**

\_\_\_\_\_  
**ORIGINAL SIGNATURE ONLY**

**NOTE: The person who signed the bidder signature page for the bidder should sign this form also.**

Subscribed and sworn before me  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Notary Public of the State of \_\_\_\_\_  
My commission expires: \_\_\_\_\_

**WARNING: IF YOU FAIL TO FULLY, ACCURATELY, AND COMPLETELY FILL OUT THIS AFFIDAVIT OF NON-COLLUSION, YOUR BID MAY BE REJECTED.**

Bidder's Name \_\_\_\_\_

**Contractor Registration Advisement**  
For Public Works Projects

A new law, known as "The Public Works Contractor Registration Act" (P.L. 1999, c.238), became effective April 11, 2000. Under the Act, no contractor/subcontractor will be permitted to bid on or engage in any contract for public work, as defined in Section 2 of P.L. 1963, c.150 (C:34:11-56.26), unless that contractor/subcontractor is registered with the New Jersey Department of Labor and Workforce Development. The Act provides that upon registration with the Department, a public works contractor/subcontractor will be issued a certificate by the Department indicating compliance with the Act's requirements. The registration fee has been set at \$300.00 per year. Upon the effective date of the Act, public bodies will be expected to request production of such a certificate from those bidding on or engaging in public works projects.

It is important to note that the term "contractor," is defined in the, Act as, "a person, partnership, association, joint stock company, trust, corporation or other legal business entity or successor thereof who enters into a contract which is subject to the provision of the "New Jersey Prevailing Wage Act," P.L. 1963, c.150 (C.34:11-56.25, et seq.) for the construction, reconstruction, demolition, alteration, repair or maintenance of a public building regularly open to and used by the general public or a public institution, and includes any subcontractor or lower tier subcontractor as defined herein: except that, for the purposes of the act, no pumping station, treatment plant or other facility associated with utility and environmental construction, reconstruction, demolition, alteration, repair or maintenance shall be regarded as a public building regularly open to and used by the general public or a public institution."

Registration forms, copies of the Act, and other relevant information can be obtained by contacting:

Contractor Registration Unit  
New Jersey Department of Labor and Workforce Development  
Division of Wage & Hour Compliance  
PO Box 389  
Trenton, New Jersey 08625-0389  
Telephone: 609-292-9464  
Fax: 609-633-8591  
E-mail: [contreg@dol.state.nj.us](mailto:contreg@dol.state.nj.us)

**AMERICANS WITH DISABILITIES ACT**  
EQUAL OPPORTUNITY FOR INDIVIDUALS WITH DISABILITIES

The contractor and the County of Union (hereafter "Owner") do hereby agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the Owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the Owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the Owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the Owner's grievance procedure, the contractor agrees to abide by any decision of the Owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the Owner, or if the Owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The Owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the Owner or any of its agents, servants, and employees, the Owner shall expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or process received by the Owner or its representatives.

It is expressly agreed and understood that any approval by the Owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the Owner pursuant to this paragraph.

It is further agreed and understood that the Owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the Owner from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

Name \_\_\_\_\_ (Please print or type)

Signature \_\_\_\_\_ Date \_\_\_\_\_



**STATEMENT OF BIDDER'S QUALIFICATIONS**

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. Questions may be answered on separate attached sheets. The Bidder may submit any additional information it desires.

1. \_\_\_\_\_  
(Name of Bidder)

2. \_\_\_\_\_  
(Permanent Main Office Address)

3. \_\_\_\_\_  
(When Organized)

4. \_\_\_\_\_  
(If a Corporation, where incorporated)

5. Number of years your organization has been engaged in construction or contracting business under present firm or trade name? \_\_\_\_\_

6. How many years of experience in construction work has your organization had (a) as a general contractor? And/or (b) As a subcontractor? \_\_\_\_\_

7. Contracts on hand: (Attach a list or table showing gross amounts of each Contract and the appropriate dates of completion) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. General character of work performed by you. \_\_\_\_\_

\_\_\_\_\_

9. Have you ever failed to complete any work awarded to you? \_\_\_\_\_

\_\_\_\_\_

10. Have you ever defaulted on a Contract? \_\_\_\_\_ If so, complete details, including where and why?

\_\_\_\_\_  
\_\_\_\_\_

**STATEMENT OF BIDDER'S QUALIFICATIONS - (continued)**

11. Has any officer or partner of your organization ever failed to complete a construction contract handled in its own name? If so, state name of individual, name of owner, location and type of project, and reason for the failure to complete. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

12. List your major equipment available for this Contract.  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Experience in the construction work similar in importance to this Project.  
 \_\_\_\_\_  
 \_\_\_\_\_

14. Have you had any material adverse changes from the trades as listed in NJ Notice of Classification within last five (5) years? \_\_\_\_\_. If so, list prior classification.

15. Background and experience of the principal members of your organization, including the officers.

Individual's Name	Present Position or Office	Yrs. of Construction Experience	Magnitude & Type of Work	In What Capacity

Bidder's Name \_\_\_\_\_

16. Bank Reference. (Name, Address, Phone, Representative) \_\_\_\_\_
17. Will you, upon request, fill out a detailed financial statement? \_\_\_\_\_
18. The undersigned, hereby authorizes and requests any person, firm or corporation to furnish any information requested by the proper agency in verification of the responses comprising this Statement of Bidder's Qualifications.
19. Bidder's telephone number, fax number and e-mail address (if applicable).
- Phone \_\_\_\_\_
- Fax \_\_\_\_\_
- E-mail \_\_\_\_\_
- Mobile \_\_\_\_\_

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
BIDDER (Signature)

\_\_\_\_\_  
BIDDER (Print Name)

Subscribed and sworn to before me  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(Seal) Notary Public of New Jersey/  
Specify Other State  
My Commission Expires \_\_\_\_\_, 20\_\_.

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH  
YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

Bidder's Name \_\_\_\_\_

**CONTRACTOR PERFORMANCE RECORD**

List all contracts completed by you below or provide separate form.

Name of Owner	Name & Location of Project: Type Of Work	Prime or Sub-Cont.	Engineer or Architect in Charge for Owner	Contract Price (Omit Cost)	Date Completed	Was Time* Extension Necessary	Were Any Penalties Imposed	Were Liens* Claims or Stop Notice Filed

\* If answer is YES, provide explanation of details in connection with non-completion of contracts, time extensions, penalties imposed, labor troubles, liens, claims and notices filed against contracts listed in preceding item "Performance Record" on an attached sheet.

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

Bidder's Name \_\_\_\_\_

**CONTRACTOR PERFORMANCE RECORD**  
**CERTIFICATION**

The information above is true and complete to the best of my knowledge and belief.

\_\_\_\_\_  
(Name of Organization)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(Seal) Notary Public of New Jersey/  
Specify Other State

My Commission Expires \_\_\_\_\_, 20\_\_.

Bidder's Name \_\_\_\_\_

**AFFIDAVIT REGARDING LIST OF DEBARRED,  
SUSPENDED OR DISQUALIFIED BIDDERS**

STATE OF NEW JERSEY / \_\_\_\_\_ )  
  Specify, if Other     ) SS:  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, of the (City, Town, Borough, etc.) of \_\_\_\_\_  
\_\_\_\_\_ State of \_\_\_\_\_, of full age, being duly sworn according  
to law on my oath depose and say that:

I am \_\_\_\_\_ of the firm of \_\_\_\_\_,  
the Bidder making the Proposal for the above named Project. I have executed the said Proposal with full  
authority to do so. Said Bidder is not at the time of the making this bid included on the New Jersey State  
Treasurer's or the Federal Government's List of Debarred, Suspended or Disqualified Bidders as a result  
of action taken by any State or Federal Agency.

\_\_\_\_\_ Name of Contractor

By: \_\_\_\_\_  
(Signature of Authorized Representative)

Subscribed and sworn to before me  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(Seal) Notary Public of New Jersey/  
Specify Other State

My Commission Expires \_\_\_\_\_, 20\_\_.

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR  
PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

**PRIOR NEGATIVE EXPERIENCE QUESTIONNAIRE**

(N.J.S.A. 40A:11-4)

1. Within the past ten (10) years, have you been found, through either court adjudication, arbitration, mediation, or other contractually stipulated alternate dispute resolution mechanism, to have: failed to provide or perform goods or services; or failed to complete a contract in a timely manner; or otherwise performed unsatisfactorily under a prior contract with a public entity?

\_\_\_\_\_ yes                      \_\_\_\_\_ no    If yes, please provide full, detailed explanation.

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2. Within the past ten (10) years, have you defaulted on a contract, thereby requiring a public entity to utilize the services of another contractor to provide the goods or perform the services or to correct or complete the contract?

\_\_\_\_\_ yes                      \_\_\_\_\_ no    If yes, please provide full, detailed explanation.

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3. Within the past ten (10) years, have you defaulted on a contract, thereby requiring a public entity to look to your surety for completion of the contract or tender of the costs of completion?

\_\_\_\_\_ yes                      \_\_\_\_\_ no    If yes, please provide full, detailed explanation.

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4. Within the past ten (10) years, have you been debarred or suspended from contracting with any of the agencies or department of the executive branch of the State of New Jersey at the time of the contract award, where the action was based on failure to perform a contact for goods or services with a public entity?

\_\_\_\_\_ yes                      \_\_\_\_\_ no    If yes, please provide full, detailed explanation.

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Bidder's Name \_\_\_\_\_

**PRIOR NEGATIVE EXPERIENCE CERTIFICATION**

I hereby certify that the above statements are true and accurate as of this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Name of Contractor

By \_\_\_\_\_  
(Signature of Authorized Representative)

Subscribed and sworn to before me  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
(Seal) Notary Public of New Jersey/  
Specify Other State

My Commission Expires \_\_\_\_\_, 20\_\_.

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**



**TO BE COMPLETED ONLY WHEN FINAL PAYMENT IS REQUESTED**

**CONTRACTOR'S CERTIFICATION OF COMPLIANCE - NEW JERSEY PREVAILING WAGE ACT**

**TO:** County of Union  
Division of Engineering  
2325 South Avenue  
Scotch Plains, New Jersey 07076

**CONTRACT:**

**PROJECT:**

In accordance with the requirements of the New Jersey Prevailing Wage Act, N.J.S.A. 34:11-56 et al \*, the undersigned contractor on the public work being performed for:

**COUNTY OF UNION**

hereby certifies that he/she has complied with the contract requirements regarding the payment of the minimum prevailing wages established under "The New Jersey Prevailing Wage Act" N.J.S.A. 34:11-56 et al.

**CONTRACTOR:** \_\_\_\_\_  
**ADDRESS:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**ORIGINAL SIGNATURE ONLY**

**STATE OF NEW JERSEY**  
**COUNTY OF \_\_\_\_\_**

Being by me duly sworn according to law, on his oath deposes and says that \_\_\_\_\_ is \_\_\_\_\_ of \_\_\_\_\_ the above named contractor, and that the facts set forth in the above statement are true.

Subscribed and sworn before me  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_

Notary Public: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

\* N.J.S.A. 34:11-56.33 requires the contractor and subcontractor to file written statements with the public body in form satisfactory to the Commissioner certifying to the amounts then due and owing from such contractor and subcontractor filing such statement to any and all workmen for wages due on account of the public work, setting forth therein the names of the persons whose wages are unpaid and the amount due to each respectively. Union County will withhold the amount so deducted for the benefit of the workmen whose wages are unpaid as shown by the verified statement filed, and will pay directly to any workman the amount shown by such statement to be due to him for such wages. Such payment shall thereby discharge the obligation of the contractor to the person receiving such payment to the extent of the amount thereof.

Bidder's Name \_\_\_\_\_

**UNCOMPLETED CONTRACTS AFFIDAVIT**  
(To be Submitted with DPMC Form 701)

**PURSUANT TO N.J.A.C. 17:19-2.13, BIDDER DECLARES THE FOLLOWING WITH RESPECT TO ITS UNCOMPLETED CONTRACTS, ON ALL WORK, FROM WHATEVER SOURCE (PUBLIC AND PRIVATE), BOTH IN NEW JERSEY AND FROM OTHER GOVERNMENTAL JURISDICTIONS**

<b>ENTITY</b>	<b>PROJECT TITLE</b>	<b>ORIGINAL CONTRACT AMOUNT</b>	<b>UNCOMPLETED AMOUNT AS OF BID OPENING DATE</b>	<b>NAME AND TELEPHONE NUMBER OF PARTY TO BE CONTACTED FROM ENTITY FOR VERIFICATION</b>

**TOTAL AMOUNT OF UNCOMPLETED CONTRACTS \$** \_\_\_\_\_

Sworn and Subscribed to Before me

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Notary Public

**BIDDER:**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

Bidder's Name \_\_\_\_\_

**CERTIFICATE OF INSURANCE STATEMENT**

The Bidder fully understands the County of Union insurance requirements as stated in the Instructions to Bidders as well as the Owner/Contractor Agreement and agrees to provide all insurance required by these documents prior to the issuance of the Notice to Proceed.

\_\_\_\_\_  
BIDDER (Signature)

\_\_\_\_\_  
BIDDER (Print Name)

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

Bidder's Name \_\_\_\_\_

**COLLECTION OF USE TAX ON SALES TO LOCAL GOVERNMENTS STATEMENT**

The Bidder fully understands the requirements of the use tax on sales to local governments as stated in the General Conditions to the Contract for Construction and the Instructions to Bidders, and agrees at all times to comply with the "Contractor Use Tax Collection Legislation", as defined therein, and the terms relating thereto contained in the Contract Documents.

\_\_\_\_\_  
BIDDER (Signature)

\_\_\_\_\_  
BIDDER (Print Name)

**NOTE: FAILURE TO COMPLETE AND SUBMIT THIS DOCUMENT WITH YOUR PROPOSAL MAY RESULT IN A REJECTION OF YOUR BID.**

Bidder's Name \_\_\_\_\_

**TIME OF COMPLETION**

The undersigned proposed that if awarded the Contract, the scope of work will be started within ten (10) calendar days and will be substantially completed in accordance with the Project Schedule stipulated in Section 108.10 and duplicated below:

*Strict conformance with the project schedule is of critical importance to completing the project on time and restoring vehicular access to Mountain Avenue. The Contractor will be required to comply with the following timing restrictions:*

- *Anticipated Award/ Notice to Proceed: April 2019;*
- *The Contractor shall complete all preparatory work, utility coordination, shop drawings, set up detour signs, fabrication, and any other work that will not hinder traffic flow on Mountain Avenue, and have materials on site prior to June 20, 2019;*
- *Mountain Avenue can only be closed (with a detour in place per plans) from June 20, 2019 to August 20, 2019 (total of 60 days); the Contractor must perform all culvert replacement work, wingwalls, headwalls, approaches, etc. during this time;*
- *The Contractor must open Mountain Avenue to two-way traffic by August 21, 2019; the Contractor may still perform work on sidewalks, etc. after this date as long as the Contractor provides temporary barriers and does not hinder full two-way traffic;*
- *The Contractor shall substantially complete construction by September 20, 2019.*

I, \_\_\_\_\_ of \_\_\_\_\_  
NAME (Print or type) COMPANY

Agree to complete work in the time frame specified \_\_\_\_\_  
SIGNATURE

**SITE VISIT – GENERAL CONTRACTOR**

I, \_\_\_\_\_ of \_\_\_\_\_  
NAME (Print or type) COMPANY

Visited the site of the work on \_\_\_\_\_  
SIGNATURE

Bidder's Name \_\_\_\_\_

**COUNTY OF UNION NEW JERSEY  
Division of Purchasing  
DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM**

Solicitation Number: \_\_\_\_\_

Vendor/Bidder: \_\_\_\_\_

**PART 1**

**CERTIFICATION**

VENDOR/BIDDER MUST COMPLETE PART 1 BY CHECKING ONE OF THE BOXES  
**FAILURE TO CHECK ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE**

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates, is identified on the State of New Jersey, Department of the Treasury's Chapter 25 list as a person or entity engaged in investment activities in Iran. The Chapter 25 list is found on the Department's website at <http://www.state.nj.us/treasury/pdf/Chapter25List.pdf>. Vendors/Bidders **must** review this list prior to completing the below certification. **Failure to complete the certification will render a Vendor's/Bidder's proposal non-responsive.** If the Director of the Division of Purchase and Property finds a person or entity to be in violation of the law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

**CHECK THE APPROPRIATE BOX**

A. I certify, pursuant to Public Law 2012, c.25, that neither the Vendor/Bidder listed above nor any of its parents, subsidiaries, or affiliates is listed on the N.J. Department of Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). Disregard Part 2 and complete and sign the Certification below.

**OR**

B. I am unable to certify as above because the Vendor/Bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such information will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

**PART 2**

PLEASE PROVIDE ADDITIONAL INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

If you checked Box "B" above, provide a detailed, accurate and precise description of the activities of the Vendor/Bidder, or one of its parents, subsidiaries or affiliates, engaged in investment activities in Iran by completing the information below.

ENTITY NAME: \_\_\_\_\_  
RELATIONSHIP TO VENDOR/BIDDER: \_\_\_\_\_  
DESCRIPTION OF ACTIVITIES: \_\_\_\_\_  
DURATION OF ENGAGEMENT: \_\_\_\_\_  
ANTICIPATED CESSATION DATE: \_\_\_\_\_  
VENDOR/BIDDER CONTACT NAME: \_\_\_\_\_  
VENDOR/BIDDER CONTACT PHONE#: \_\_\_\_\_

*Attach Additional Sheets If Necessary*

**CERTIFICATION**

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Vendor/Bidder, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the County of Union, New Jersey is relying on the information contained herein, and that the Vendor/Bidder is under a continuing obligation from the date of this certification through the completion of any contract(s) with the County of Union to notify the County of Union in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I will be subject to criminal prosecution under the law, and it will constitute a material breach of my agreement(s) with the County of Union, permitting the County of Union to declare any contract(s) resulting from this certification void and unenforceable.

Signature \_\_\_\_\_

Date \_\_\_\_\_

Print Name and Title \_\_\_\_\_

*Revised 10/19/17*

## STANDARD SPECIFICATIONS

The Standard Specifications for Road and Bridge Construction of New Jersey Department of Transportation, 2007 Edition; is added to and/or amended elsewhere herein by the Notice to Contractors (Advertisement), Proposal, Information for Bidders, General Conditions, Special Provisions, Project Plans, and Supplementary Specifications; shall, insofar as technical requirements are involved, govern in the execution of this project.

Such Standard Specifications are made a part of these Specifications by this reference and will not be repeated herein. It is the responsibility of prospective bidders to familiarize themselves with these Standard Specifications, copies of which may be examined at the office of the Engineer and may be obtained, upon payment of the cost thereof, from:

Department of Transportation  
State of New Jersey  
1035 Parkway Avenue  
Trenton, New Jersey 08625

The Notice to Bidders (Advertisement), Proposal, General Conditions, Instructions to Bidders, Special Provisions, Project Plans and/or Technical Specifications shall govern and prevail in the case of conflict between them and the Standard Specifications.

In these Standard Specifications the words "COMMISSIONER" or "DEPARTMENT" shall refer to and mean the person, persons, body, board or agent legally empowered to enter into contracts and otherwise legally act for the Owner. The words "RESIDENT ENGINEER (RE)", "ENGINEER" or "STATE" shall refer to and mean the professional engineering representative of the Owner as hereinbefore defined and the word "INSPECTOR" shall mean the authorized project representative of the Engineer with the authority as hereinbefore defined. The word "LABORATORY" shall mean and refer to the Engineer who may, at his discretion, and with the consent of the Owner, employ qualified technical personnel or testing laboratories to assist him in fulfilling the duties normally assigned to the "LABORATORY" in these Standard Specifications.

When reference is made herein to the bulletins, standards, specifications, publications or requirements of the Manual on Uniform Traffic Control Devices (MUTCD), Institute of Traffic Engineers (ITE), Federal Highway Administration (FHWA), American Association of State Highway Officials (AASHTO), the American Concrete Institute (ACI), the American Society of Civil Engineers (ASCE) or similar national or regional societies, associations, institutes or organizations; the requirements of the bulletins, specifications, publications or requirements referred to shall be considered a part of these Specifications by such reference and shall not be repeated herein but shall have the same import and be as binding as if herein set forth in full.



STATE OF NEW JERSEY  
Department of Labor and Workforce Development  
Division of Wage and Hour Compliance - Public Contracts Section  
PO Box 389  
Trenton, NJ 08625-0389

**PREVAILING WAGE RATE DETERMINATION**

The New Jersey Prevailing Wage Act (N.J.S.A. 34:11-56.25 et seq.) requires that the Department of Labor and Workforce Development establish and enforce a prevailing wage level for workers engaged in public works in order to safeguard their efficiency and general well being and to protect them as well as their employers from the effects of serious and unfair competition.

Prevailing wage rates are wage and fringe benefit rates based on the collective bargaining agreements established for a particular craft or trade in the locality in which the public work is performed. In New Jersey, these rates vary by county and by the type of work performed.

Applicable prevailing wage rates are those wages and fringe benefits in effect on the date the contract is awarded. All pre-determined rate increases listed at the time the contract is awarded must also be paid, beginning on the dates specified. Rates that have expired will remain in effect until new rates are posted.

**Prevailing Wage Rate**

The prevailing wage rate for each craft will list the effective date of the rate and the following information:

**W** = Wage Rate per Hour                      **B** = Fringe Benefit Rate per Hour\*                      **T** = Total Rate per Hour

\* Fringe benefits are an integral part of the prevailing wage rate. Employers not providing such benefits must pay the fringe benefit amount directly to the employee each payday. Employers providing benefits worth less than the fringe benefit amount must pay the balance directly to the employee each payday.

Unless otherwise stated in the Prevailing Wage Rate Determination, the fringe benefit rate for overtime hours remains at the straight time rate.

When the Overtime Notes in the Prevailing Wage Rate Determination state that the overtime rates are "inclusive of benefits," the benefit rate is increased by the same factor as the wage rate (i.e. multiplied by 1.5 for time and one-half, multiplied by 2 for double time, etc.).

**Apprentice Rate Schedule**

An "apprentice" is an individual who is registered with the United States Department of Labor - Office of Apprenticeship and enrolled in a certified apprenticeship program during the period in which they are working on the public works project.

The apprentice wage rate is a percentage of the journeyman wage rate, unless otherwise indicated. The apprentice benefit rate is the full journeyman benefit rate, unless otherwise indicated.

If there is no apprentice rate schedule listed, the individual must be paid at least the journeyman rate even if that individual is in a certified apprentice program for that trade.

If there is no ratio of apprentices to journeymen listed for a particular craft, then the ratio shall be one (1) apprentice to every four (4) journeymen.



## **Comments/Notes**

For each craft listed there will be comments/notes that cover the definition of the regular workday, shift differentials, overtime, recognized holidays, and any other relevant information.

## **Public Works Contractor Registration**

The Public Works Contractor Registration Act (N.J.S.A. 34:11-56.48, et seq.) requires that **all** contractors, subcontractors, or lower tier subcontractors who are working on or who bid on public works projects register with the Department of Labor and Workforce Development. Applications are available at [www.nj.gov/labor](http://www.nj.gov/labor) (click on Wage & Hour and then go to Registration & Permits).

Pursuant to N.J.S.A. 34:11-56.51:

*No contractor shall bid on any contract for public work as defined in section 2 of P.L.1963, c. 150 (C.34:11-56.26) unless the contractor is registered pursuant to this act. No contractor shall list a subcontractor in a bid proposal for the contract unless the subcontractor is registered pursuant to P.L.1999, c.238 (C.34:11-56.48 et seq.) at the time the bid is made. No contractor or subcontractor, including a subcontractor not listed in the bid proposal, shall engage in the performance of any public work subject to the contract, unless the contractor or subcontractor is registered pursuant to that act.*

## **Snow Plowing**

Snow plowing contracts are not subject to the New Jersey Prevailing Wage Act or the Public Works Contractor Registration Act.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Air Conditioning & Refrigeration - Service and Repair**

**PREVAILING WAGE RATE**

	03/01/18
Journeyman (Mechanic)	W37.98 B23.93 T61.91

**Craft: Air Conditioning & Refrigeration - Service and Repair**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	Mo. 1-3	Mo. 4-12	2nd Year	3rd Year	4th Year	5th Year		Wage = %	of Jnymn	Wage
As Shown										
Wage and Bene	50%	55%	60%	65%	75%	85%		Bene = %	of Jnymn	Bene

**Ratio of Apprentices to Journeymen - 1:4**

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 3-1-13:

INTERVAL	PERIOD AND RATES							
As Shown	1st Year	2nd Year	3rd Year	4th Year	5th Year		Wage =% of Jnymn Wage	
Wage and Benefit	40%	50%	60%	70%	80%		Bene. =% of Jnymn Bene	

**Craft: Air Conditioning & Refrigeration - Service and Repair**

**COMMENTS/NOTES**

THESE RATES MAY BE USED FOR THE FOLLOWING:

- Service/Repair/Maintenance Work to EXISTING facilities.
- Replacement or Installation of air conditioning and refrigeration equipment when the combined tonnage does not exceed 15 tons for refrigeration, or 25 tons for air conditioning.
- Replacement or Installation of "packaged" or "unitary" rooftop-type units when the combined tonnage of the units does not exceed 75 tons.

NOTE: These rates may NOT be used for any work in new construction (including work on new additions).

The regular workday shall consist of 8 hours, starting between 6:00 AM and 10:00 AM, Monday through Friday.

SHIFT DIFFERENTIALS:

- The second and third shifts shall be paid an additional 15% of the hourly rate.
- All shifts must run for a minimum of 5 consecutive days.

OVERTIME:

Hours worked in excess of 8 per day or before or after the regular workday, that are not shift work, and all hours on Saturday shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Boilermaker                      PREVAILING WAGE RATE**

	01/01/18
Foreman	W49.50 B42.52 T92.02
General Foreman	W51.50 B43.50 T95.00
Journeyman	W44.50 B40.92 T85.42

**Craft: Boilermaker                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	65%	70%	75%	80%	85%	90%	95%			
1000 Hours										
Benefit =	34.83	35.70	36.58	37.44	38.32	39.19	40.05			

**Ratio of Apprentices to Journeymen - \***

\* 1 apprentice will be allowed for the first 5 journeymen, 1 apprentice for the next 10 journeymen and 1 apprentice for each succeeding 20 journeymen up to a maximum of 5 apprentices per contractor on any one job.

**Craft: Boilermaker                      COMMENTS/NOTES**

HIGH WORK: All apprentices working on the erection, repair, or dismantling of smoke stacks, standpipes, or water towers shall be paid the Journeyman rate.

The regular workday shall consist of 8 hours, between 8:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall work 7½ hours and receive 8 hours pay, at a rate equal to the regular hourly rate plus 10%.
- The third shift shall work 7 hours and receive 8 hours pay, at a rate equal to the regular hourly rate plus 20%.
- For "Municipal Water Works" projects only, the following shall apply: Two, four day, 10 hour shifts may be worked at straight time Monday through Thursday. The day shift shall work four days, at 10 hours, for 10 hours pay. The second shift shall work four days, at nine and a half hours, for 10 hours pay, plus 10% the hourly rate for new work and .25 cents on repair work. Friday may be used as a make-up day at straight time, due to weather conditions, holiday or any other circumstances beyond the employer's control.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays (except Labor Day) shall be paid at double the hourly rate. All hours on Labor Day shall be paid at four times the hourly rate.
- If any other craft employed by the same contractor, or a subcontractor thereof, receives double time in lieu of time and one-half, then the Boilermaker shall receive double time in lieu of time and one-half.
- For "Municipal Water Works" projects only, the following shall apply: Four 10 hour days may be worked Monday through Thursday at straight time. Friday may be used as a make-up day for a day lost to inclement weather, holiday or other conditions beyond the control of the employer. Overtime shall be paid for any hours that exceed 10 hours per day or 40 hours per week.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Boilermaker - Minor Repairs**

**PREVAILING WAGE RATE**

	01/01/18
Foreman	W33.54 B16.17 T49.71
General Foreman	W34.04 B16.17 T50.21
Mechanic	W32.04 B16.17 T48.21

**Craft: Boilermaker - Minor Repairs**

**COMMENTS/NOTES**

NOTE: These rates apply to MINOR REPAIR WORK ONLY (repair work in the field for which the contract amount does not exceed \$125,000.00).

**OVERTIME:**

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays (except Labor Day) shall be paid at double the hourly rate. All hours on Labor Day shall be paid at four times the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Thanksgiving Day, day after Thanksgiving, Christmas Day. Saturday holidays observed the preceding Friday, Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Bricklayer, Stone Mason**

**PREVAILING WAGE RATE**

	05/01/18
Deputy Foreman	W45.20 B33.03 T78.23
Foreman	W48.20 B33.03 T81.23
Journeyman	W42.20 B33.03 T75.23

**Craft: Bricklayer, Stone Mason**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	40%	50%	55%	60%	65%	70%	75%	80%		
6 Months										
Benefits	3.86	4.83	5.31	5.80	21.83	23.27	24.72	26.15		

**Ratio of Apprentices to Journeymen - 1:5**

**Craft: Bricklayer, Stone Mason**

**COMMENTS/NOTES**

The regular workday shall consist of 8 hours, between 6:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- When a 2 shift schedule (including a day shift) is established, the first, or day shift, shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 10%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 10%, inclusive of benefits, and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 10%, inclusive of benefits, and the third shift shall receive the regular rate plus 15%, inclusive of benefits.
- When an irregular shift must be established, this shift shall receive the regular rate plus 10%, inclusive of benefits.

**OVERTIME:**

- The first 2 hours in excess of 8 per day, or before or after the regular workday that are not shift work, Monday through Friday, shall be paid at time and one-half the regular rate, inclusive of benefits. Any additional overtime shall be paid at double the regular rate, inclusive of benefits. The first 10 hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. Any additional overtime shall be paid at double the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Saturday may be used as a make-up day for hours lost to inclement weather.
- When Bricklayers/Stone Masons work on Saturday with Laborers, and no other crafts are working on the project for the day, benefits may be paid at straight time. If other crafts are present, the applicable overtime rate for benefits shall be paid.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Carpenter                      PREVAILING WAGE RATE**

	11/01/18
Foreman	W56.94 B32.45 T89.39
Journeyman	W49.51 B28.22 T77.73

**Craft: Carpenter                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	40%	55%	65%	80%	90%					
Benefit	57% of	Appren	tice	Wage	for all	intervals				

**Ratio of Apprentices to Journeymen - 1:3**

**Craft: Carpenter                      COMMENTS/NOTES**

**FOREMAN REQUIREMENTS:**

- When there are 2 or more Carpenters on a job, 1 shall be designated as a Foreman.
- When there are 21 or more Carpenters on a job, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours, starting between 7:00 AM and 9:00 AM.

**SHIFT DIFFERENTIALS:**

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 15%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.

**OVERTIME:**

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Carpenter - Resilient Flooring**

**PREVAILING WAGE RATE**

	11/01/18
Foreman	W56.94 B32.45 T89.39
Journeyman	W49.51 B28.22 T77.73

**Craft: Carpenter - Resilient Flooring**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	40%	55%	65%	80%	90%					
Benefit	57%	of	Appren	tice	Wage	for all	intervals			
					Rate					

**Ratio of Apprentices to Journeymen - \***

\* 1 apprentice shall be allowed to every 2 journeymen or major fraction thereof. No more than 3 apprentices on any one job or project.

**Craft: Carpenter - Resilient Flooring**

**COMMENTS/NOTES**

**FOREMAN REQUIREMENTS:**

- On any job where there are 4 or more Carpenters of Resilient Flooring, 1 must be designated a Foreman.

**FOR SYNTHETIC TURF INSTALLATION ONLY:**

- The rate shall be 90% of the wage and benefit rate.

The regular workday consists of 8 hours, starting between 6:00 AM and 9:00 AM.

**SHIFT DIFFERENTIALS:**

- When a 2 shift schedule (including a day shift) is established, the day shift, shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular wage rate plus 15%.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular wage rate, the second shift shall receive the regular wage rate plus 15% and the third shift shall receive the regular wage rate plus 20%.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular wage rate plus 15% and the third shift shall receive the regular wage rate plus 20%.

**OVERTIME:**

- Hours in excess of 8 per day or 40 per week, or before or after the regular workday, Monday through Friday, shall be paid at time and one-half the wage rate. Saturday may be used as a make-up day, at straight time, up to 8 hours, for hours lost to reasons beyond the control of the employer, up to a total of 40 hours per week; hours in excess of 8 on Saturday shall then be paid at time and one-half the wage rate. If Saturday is not a make-up day, all hours on Saturday shall be paid at time and one-half the wage rate. All hours on Sundays and holidays shall be paid at double the wage rate.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for hours lost to reasons beyond the control of the employer. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the wage rate.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Cement Mason**

**PREVAILING WAGE RATE**

See "Bricklayer, Stone Mason" Rates

**Craft: Cement Mason**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Cement Mason**

**COMMENTS/NOTES**

\*\*\*See "Bricklayer, Stone Mason" Rates\*\*\*

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Diver                                  PREVAILING WAGE RATE**

	11/02/18
Diver	W58.74 B46.87 T105.61
Tender	W47.00 B46.87 T93.87

**Craft: Diver                                  COMMENTS/NOTES**

NOTE: All dive crews must consist of a Tender, a Diver, and a standby Diver (standby Diver is the same rate as a Diver).

DEPTH & PENETRATION RATES: Divers shall be paid the following depth and penetration rates, in addition to the regular hourly rate, when applicable:

**AIR DIVES:**

- 0-59 feet: No additional wage
- 60-74 feet: + \$0.25 per foot
- 75-125 feet: + \$0.78 per foot

**MIXED GAS DIVES:**

- 0-74 feet: No additional wage
- 75-125 feet: + \$1.00 per foot
- 126-200 feet: + \$2.00 per foot

**PENETRATION DIVES:**

- 126-200 feet: + \$1.50 per foot
- 201-275 feet: + \$1.75 per foot
- 276-350 feet: + \$2.00 per foot
- 351-425 feet: + \$2.50 per foot

**OVERTIME:**

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day, Christmas Day. Veterans' Day may be switched with the day after Thanksgiving.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Dockbuilder                      PREVAILING WAGE RATE**

	11/02/18
Foreman	W54.05 B46.87 T100.92
Foreman (Concrete Form Work)	W53.25 B33.76 T87.01
Journeyman	W47.00 B46.87 T93.87
Journeyman (Concrete Form Work)	W46.30 B33.76 T80.06

**Craft: Dockbuilder                      APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>									
Yearly	18.80	23.50	30.55	37.60						
Benefit	31.25	for all	intervals							

**Ratio of Apprentices to Journeymen - \***

\* When there are 4 or fewer Dockbuilders on a job, no more than 1 may be an apprentice. When there are 5 or more Dockbuilders, there may be 1 apprentice for every 5 Dockbuilders.

**Craft: Dockbuilder                      COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE FOR CONCRETE FORM WORK ONLY:

INTERVAL	PERIOD AND RATES			
Yearly	18.52	23.15	30.10	37.04
Benefits	23.24 for all intervals			

**CREOSOTE HANDLING:**

When handling creosote products on land piledriving, floating marine construction, and construction of wharves, the worker shall receive an additional \$0.25 per hour.

**HAZARDOUS WASTE WORK:**

- Hazardous waste removal work on a state or federally designated hazardous waste site where Level A, B, or C personal protection is required: an additional 20% of the hourly rate, per hour.
- Hazardous waste removal work in Level D, or where personal protection is not required: an additional \$1.00 per hour.

**CERTIFIED WELDER:** When required on the job by the project owner, a Certified Welder shall receive an additional \$1.00 per hour.

**FOREMAN REQUIREMENTS:**

The first Dockbuilder on the job shall be designated a Foreman.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**OVERTIME:**

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day, Christmas Day. Veterans' Day may be switched with the day after Thanksgiving.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Drywall Finisher**

**PREVAILING WAGE RATE**

	11/01/18
Foreman	W43.95 B24.40 T68.35
General Foreman	W45.94 B24.40 T70.34
Journeyman	W39.95 B24.40 T64.35

**Craft: Drywall Finisher**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	40%	50%		60%	70%		80%	90%		
6 Months										
Benefits	Intervals	1 to 2 =	10.65	Intervals	3 to 4 =	13.17	Intervals	5 to 6 =	16.25	

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Drywall Finisher**

**COMMENTS/NOTES**

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, and the third shift shall receive 8 hours pay for 7 hours of work.
- Shift work must run for a minimum of 5 consecutive workdays.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.

**RECOGNIZED HOLIDAYS:** New Year's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician                      PREVAILING WAGE RATE**

	06/07/18
Cable Splicer	W61.52 B35.38 T96.90
Foreman	W62.64 B36.03 T98.67
Journeyman	W55.93 B32.17 T88.10

**Craft: Electrician                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	40%	49%	58%	68%	80%		of Jour	neyman	Wage	Rate
Benefit	40%	49%	58%	68%	80%		of Jour	neyman	Benefit	Rate

**Ratio of Apprentices to Journeymen - 2:3**

**Craft: Electrician                      COMMENTS/NOTES**

THESE RATES ALSO APPLY TO THE FOLLOWING:

- All burglar and fire alarm work.
- All fiber optic work.
- Teledata work in new construction.
- Teledata work involving 16 Voice/Data Lines or more.

The regular workday shall be 8 hours, between 8:00 AM and 4:30 PM.

**FOREMAN REQUIREMENTS:**

- On any job where there are 1 to 10 Journeymen electricians, 1 shall be designated a Foreman.

**SHIFT DIFFERENTIALS:**

- Shift work must run for a minimum of 5 consecutive workdays.
- 2nd Shift (4:30 PM to 12:30 AM) shall receive 8 hours pay for 7.5 hours work + an additional 10% of the regular rate, per hour, inclusive of benefits.
- 3rd Shift (12:30 AM to 8:00 AM) shall receive 8 hours pay for 7 hours work + an additional 15% of the regular rate, per hour, inclusive of benefits.

**OVERTIME:**

Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, and all hours on Saturdays, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Electrician - Teledata (15 Voice/Data Lines & Less)**

**PREVAILING WAGE RATE**

	10/29/18	10/28/19	11/02/20
Master	W54.86	W56.16	W57.42
Technician/General	B30.17	B30.89	B31.58
Foreman	T85.03	T87.05	T89.00
Senior Technician/Lead Foreman (21-30 Workers on Job)	W50.22 B27.62 T77.84	W51.41 B28.27 T79.68	W52.56 B28.91 T81.47
Technician A/Foreman (11-20 Workers on Job)	W48.11 B26.46 T74.57	W49.25 B27.08 T76.33	W50.35 B27.69 T78.04
Technician B/Working Foreman (4-10 Workers on Job)	W46.00 B25.30 T71.30	W47.09 B25.90 T72.99	W48.15 B26.47 T74.62
Technician C/Journeyman (1-3 Workers on Job)	W42.20 B23.21 T65.41	W43.20 B23.76 T66.96	W44.17 B24.29 T68.46

**Craft: Electrician - Teledata (15 Voice/Data Lines & Less)**

**APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>										
6 Months						66%	72%	79%	86%		
Benefits						11.81	12.89	14.14	15.40		

**Ratio of Apprentices to Journeymen - 2:3**

**Craft: Electrician - Teledata (15 Voice/Data Lines & Less)**

**COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 10-31-14:

INTERVAL	PERIOD AND RATES										
6 Months	35%	35%	40%	43%	48%	54%	61%	67%	74%	81%	
Benefits	6.76	6.76	7.16	7.70	8.59	9.66	10.82	11.99	13.25	14.51	

NOTES:

- These rates are for service, maintenance, moves, and/or changes affecting 15 Voice/Data (teledata) lines or less. These rates may NOT be used for any teledata work in new construction (including additions) or any fiber optic work.
- The number of Teledata workers on the jobsite is the determining factor for which Foreman category applies .

The regular workday shall be 8 hours, between 8:00 AM and 4:30 PM.

SHIFT DIFFERENTIALS:

- Shift work must run for a minimum of 5 consecutive workdays.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

- 2nd Shift (4:30 PM to 12:30 AM) shall receive 8 hours pay for 7.5 hours work + an additional 10% of the regular rate, per hour, inclusive of benefits.
- 3rd Shift (12:30 AM to 8:00 AM) shall receive 8 hours pay for 7 hours work + an additional 15% of the regular rate, per hour, inclusive of benefits.

**OVERTIME:**

Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, and all hours on Saturdays, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician - Teledata (16 Instruments & More)**

**PREVAILING WAGE RATE**

See "Electrician" Rates

**Craft: Electrician - Teledata (16 Instruments & More)**

**COMMENTS/NOTES**

\*\*\*See ELECTRICIAN Rates\*\*\*

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician- Outside Commercial**

**PREVAILING WAGE RATE**

	06/07/18
Cable Splicer	W61.82 B35.09 T96.91
Certified Welder	W59.01 B33.50 T92.51
Equipment Operator	W56.20 B31.90 T88.10
Foreman (1-10 Journeyman workers on job)	W62.94 B35.73 T98.67
Foreman (11-20 Journeyman workers on job)	W64.62 B36.68 T101.30
General Foreman (21-30 Journeyman workers on job)	W66.32 B37.65 T103.97
General Foreman (31-60 Journeyman workers on job)	W71.94 B40.84 T112.78
General Foreman (61+ Journeyman workers on job)	W73.06 B41.47 T114.53
Groundman	W33.72 B19.15 T52.87
Journeyman Lineman/Technician	W56.20 B31.90 T88.10
Sub-Foreman	W62.94 B35.73 T98.67

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician- Outside Commercial**

**APPRENTICE RATE SCHEDULE**

<b>INTERVAL</b>	<b>PERIOD AND RATES</b>									
1000 Hours	60%	65%	70%	75%	80%	85%	90%			
Benefits	56.75% of	Journey	man	wage	+	\$.01				

**Craft: Electrician- Outside Commercial**

**COMMENTS/NOTES**

EFFECTIVE 5-30-16- The apprentice benefit rate shall be 56.7% + \$.01.  
 EFFECTIVE 5-29-17- The apprentice benefit rate shall be 56.7% + \$.01.  
 EFFECTIVE 5-28-18- The apprentice benefit rate shall be 56.7% + \$.01.

\* FOR UTILITY WORK PLEASE SEE STATEWIDE RATES

The regular worday shall be 8 hours, between 8:00 AM and 4:30 PM.

**FOREMAN REQUIREMENTS:**

On jobs where there are 2 Journeymen, one shall be a Foreman. The following number of Foreman, General Foreman, Assistant General Foreman and Sub-Foreman shall be required with respect to number of Journeymen on site:

- 2-10 Journeymen ( 1 Foreman)
- 11-20 Journeymen (1 Foreman and 1 Sub-Foreman)
- 21-30 Journeymen (1 Foreman and 2 Sub-Foremen)

**SHIFT DIFFERENTIALS:**

- Shift work must run for a minimum of 5 consecutive workdays.
- 2nd Shift (4:30 PM to 12:30 AM): 8 hrs. pay for 7.5 hrs. work + an additional 10% of the regular rate, inclusive of benefits.
- 3rd Shift (12:30 AM to 8:00 AM): 8 hrs. pay for 7 hrs. work + an additional 15% of the regular rate per hour, inclusive benefits.

**OVERTIME:**

Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, and all hours on Saturdays, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:**

New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day and Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician-Utility Work (North)**

**PREVAILING WAGE RATE**

Rates are located in the "Statewide" rate package

**Craft: Electrician-Utility Work (North)**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
* 6 Months	60%	65%	70%	75%	80%	85%	90%			
Benefits	67% of	Appren	tice	Wage	Rate	for all	intervals			

**Craft: Electrician-Utility Work (North)**

**COMMENTS/NOTES**

Electrician-Utility Work (North) rates are located in the "Statewide" rate package.

\* The apprentice wage rate is paid at the percentage of the Journeyman Lineman wage rate located in the "Statewide" rate package.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Electrician-Utility Work (South)**

**PREVAILING WAGE RATE**

Rates are located in the "Statewide" rate package

**Craft: Electrician-Utility Work (South)**

**APPRENTICE RATE SCHEDULE**

<b>INTERVAL</b>	<b>PERIOD AND RATES</b>									
6 Months	28.24	30.60	32.95	35.30	37.66	40.01	42.36			
Benefits	24.29	25.67	27.03	28.40	29.77	31.13	32.51			

APPRENTICE RATE SCHEDULE AS OF 12-2-18:

INTERVAL	PERIOD AND RATES									
6 Months	28.53	30.91	33.29	35.66	38.04	40.42	42.80			
Benefits	25.01	26.41	27.83	29.24	30.65	32.05	33.47			

**Craft: Electrician-Utility Work (South)**

**COMMENTS/NOTES**

Electrician-Utility Work (South) rates are located in the "Statewide" rate package.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Elevator Constructor**

**PREVAILING WAGE RATE**

	03/17/18
Journeyman	W64.48 B43.36 T107.84

**Craft: Elevator Constructor**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	28.74	35.46	41.91	48.36						
Benefits	34.88	36.07	37.69	39.30						

**Ratio of Apprentices to Journeymen - 1:1**

**Craft: Elevator Constructor**

**COMMENTS/NOTES**

The regular workday shall consist of either 7 or 8 hours to be established at the beginning of the project, between 7:00 AM and 4:30 PM.

**OVERTIME:**

For all hours worked before or after the regular workday, Monday through Friday, and all hours on Saturday and Sunday, shall be paid at double the hourly rate. Holiday pay is one days wages (8 hours) plus double the hourly rate for all hours worked.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays shall be observed on the previous Friday and Sunday holidays shall be observed on the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Elevator Modernization & Service**

**PREVAILING WAGE RATE**

	03/17/18
Journeyman	W50.49 B41.66 T92.15

**Craft: Elevator Modernization & Service**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	28.74	27.77	32.82	37.87						
Benefits	34.81	35.13	36.58	38.03						

**Ratio of Apprentices to Journeymen - 1:1**

**Craft: Elevator Modernization & Service**

**COMMENTS/NOTES**

MODERNIZATION (addition, replacement, refurbishing, relocation, or changes in design or appearance, of elevator equipment in existing buildings):

- The regular workday consists of 8 hours, between 7:00 AM and 4:30 PM.

- Overtime:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturday and Sunday shall be paid at time and one-half the hourly rate. Holiday pay is one days wages (8 hours) plus time and one-half the hourly rate for all hours worked.

SERVICE (repair or replacement of parts for the purpose of maintaining elevator equipment in good operating condition):

- The regular workday consists of 8 hours, between 6:00 AM and 6:00 PM.

- Overtime:

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS (Modernization and Service): New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays shall be observed on the previous Friday and Sunday holidays shall be observed on the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Glazier                      PREVAILING WAGE RATE**

	05/15/18	05/01/19
* Leadman	W47.11 B25.06 T72.17	W49.11 B25.06 T74.17
Foreman	W48.94 B25.23 T74.17	W52.81 B23.62 T76.43
General Foreman	W50.77 B25.40 T76.17	W54.81 B23.75 T78.56
Journeyman	W45.28 B24.89 T70.17	W48.81 B23.36 T72.17

**Craft: Glazier                      APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>									
6 Months	50%	55%		60%	65%		70%	75%		
Benefits	Intervals	1 to 2 =	9.11	Intervals	3 to 4 =	11.71	Intervals	5 to 6 =	13.20	

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Glazier                      COMMENTS/NOTES**

Hazard/Height Pay: +\$1.00 per hour

\* When there are three (3) men working on a jobsite for three (3) days or longer, 1 Journeyman may be designated as a Leadman for the duration of the job, provided he has his OSHA certification.

**FOREMAN REQUIREMENTS:**

- When there are 4 or more Glaziers on a job, 1 must be designated a Foreman.
- When there are 15 or more Glaziers on a job, 1 must be designated a General Foreman.

The regular workday shall consist of 8 hours, between 7:00 AM and 5:30 PM, Monday to Friday.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, and the third shift shall receive 8 hours pay for 7 hours of work.

**OVERTIME:**

Hours in excess of 8 per day, or before or after the regular workday Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

rate.

RECOGNIZED HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Heat & Frost Insulator**

**PREVAILING WAGE RATE**

	09/19/18
Foreman	W55.77 B31.92 T87.69
General Foreman	W58.11 B33.03 T91.14
Journeyman	W53.99 B31.36 T85.35

**Craft: Heat & Frost Insulator**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	25.15	29.84	36.00	42.16						
Benefits	18.71	22.13	24.41	26.56						

**Ratio of Apprentices to Journeymen - 1:3**

**Craft: Heat & Frost Insulator**

**COMMENTS/NOTES**

NOTE: These rates apply to the installing of insulation on hot and cold mechanical systems.

The regular workday shall be 8 hours between 8:00 AM and 4:30 PM.

**SHIFT DIFFERENTIAL:**

- Shift work must run for a minimum of 5 consecutive workdays.
- Second Shift shall work 7.5 hours and receive 8 hours pay, at the regular rate, plus 25% per hour.
- Third Shift shall work 7 hours and receive 8 hours pay, at the regular rate, plus 30% per hour.

**OVERTIME:**

The first 2 hours in excess of 8 per day, hours outside of the regular workday Monday through Friday that are not shift work, and the first 10 hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours in excess of 10 per day, and all hours on Sunday and holidays (except Labor Day) shall be paid at double the regular rate, inclusive of benefits. All hours on Labor Day shall be paid at triple the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day and Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Heat & Frost Insulator - Asbestos Worker**

**PREVAILING WAGE RATE**

	09/19/18
Asbestos Helper Abatement	W36.00 B24.41 T60.41
Firestop/Hazmat	W25.68 B9.25 T34.93

**Craft: Heat & Frost Insulator - Asbestos Worker**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	SEE	HEAT &	FROST	INSULAT OR						

**Ratio of Apprentices to Journeymen - 1:3**

**Craft: Heat & Frost Insulator - Asbestos Worker**

**COMMENTS/NOTES**

NOTE: These rates apply only to the removal of insulation materials/asbestos from mechanical systems, including containment erection and demolition, and placing material in appropriate containers.

The regular workday shall be 8 hours between 8:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must run for a minimum of 5 consecutive workdays.
- The second shift shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 25% per hour.
- The third shift shall work 7 hours and receive 8 hours pay at the regular rate, plus 30% per hour.

**OVERTIME:** The first 2 hours in excess of 8 per day, hours outside of the regular workday Monday through Friday that are not shift work, and the first 10 hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours in excess of 10 per day, and all hours on Sunday and holidays (except Labor Day) shall be paid at double the regular rate, inclusive of benefits. All hours on Labor Day shall be paid at triple the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Presidential Election Day, Thanksgiving Day and Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Ironworker                      PREVAILING WAGE RATE**

	07/10/18
Rod /Fence Foreman	W44.39 B46.12 T90.51
Rod/Fence Journeyman	W41.39 B46.12 T87.51
Structural Foreman	W46.44 B46.12 T92.56
Structural Journeyman	W43.44 B46.12 T89.56

**Craft: Ironworker                      APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>									
6 Months	50%	60%		Yearly	70%	80%	90%			

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Ironworker                      COMMENTS/NOTES**

**HAZARDOUS WASTE WORK:** On hazardous waste removal work on a state or federally designated hazardous waste site where the Ironworker is required to wear Level A,B, or C personal protection: + \$3.00 per hour

The regular workday consists of 8 hours between 6:00 AM and 4:30 PM.

**FOREMAN REQUIREMENTS:**

When there are 2 or more Ironworkers on a job, 1 shall be designated a Foreman.

**SHIFT DIFFERENTIALS:**

- When a 2 shift schedule is established, the first, or day shift , shall be established on an 8 hour basis .The second shift shall be established on an 8 hour basis, and receive the regular rate plus 15%.

- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 15%, and the third shift shall receive the regular rate plus 20%.

- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis.

- When an irregular shift is established for the Ironworker (Structural) classification, the rate shall be paid at time and one-half the regular rate, inclusive of benefits. When an irregular shift is established for the Rod/Fence classification, the shift shall be established on an 8 hour basis and receive the regular rate, plus 20%.

**OVERTIME:**

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays shall be paid at double the hourly rate, inclusive of benefits. Saturday may be used as a make-up day for a day lost to inclement weather. If Saturday is not a make-up day, all hours on Saturday shall be paid at time and one-half the hourly rate, inclusive of benefits.

- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Laborer - Asbestos & Hazardous Waste Removal**

**PREVAILING WAGE RATE**

	08/01/18
Journeyman (Handler)	W31.48 B22.31 T53.79

**Craft: Laborer - Asbestos & Hazardous Waste Removal**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	18.89	22.04	25.18	28.33						
Benefits	20.66	for	all	intervals						

**Ratio of Apprentices to Journeymen - \***

\* Ratio of apprentices to journeymen shall not be more than one apprentice for the first journeyman and no more than (1) apprentice for each additional three (3) journeymen.

**Craft: Laborer - Asbestos & Hazardous Waste Removal**

**COMMENTS/NOTES**

NOTE: These rates apply to work in connection with Asbestos, Radiation, Hazardous Waste, Lead, Chemical, Biological, Mold Remediation and Abatement.

The regular workday shall be 8 hours.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Saturday, and all hours on Sunday and holidays shall be paid at time and one-half the regular rate.
- Benefits on ALL overtime hours shall be paid at straight time.

RECOGNIZED HOLIDAYS: New Year's Day, President's Day, Good Friday, Easter, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. (Holidays start at 12:00 am).

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Laborer - Building**

**PREVAILING WAGE RATE**

	05/15/18
Class A Journeyman	W33.45 B29.12 T62.57
Class B Journeyman	W32.95 B29.12 T62.07
Class C Journeyman	W28.01 B29.12 T57.13
Foreman	W37.63 B29.12 T66.75
General Foreman	W41.81 B29.12 T70.93

**Craft: Laborer - Building**

**APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>									
	60%	70%	80%	90%						
6 Months										
Benefit	25.87	25.87	25.87	25.87						

**Ratio of Apprentices to Journeymen - \***

\* Ratio of apprentices to journeymen shall not be more than one apprentice for the first journeyman and no more than (1) apprentice for each additional three (3) journeymen.

**Craft: Laborer - Building**

**COMMENTS/NOTES**

CLASS A: Specialist laborer including mason tender or concrete pour crew; scaffold builder (scaffolds up to 14 feet in height); operator of forklifts, Bobcats (or equivalent machinery), jack hammers, tampers, motorized tampers and compactors, vibrators, street cleaning machines, hydro demolition equipment, riding motor buggies, conveyors, burners; and nozzlemen on gunite work.

CLASS B: Basic laborer - includes all laborer work not listed in Class A or Class C.

CLASS C: Janitorial-type light clean-up work associated with the TURNOVER of a project, or part of a project, to the owner. All other clean-up work is Class B.

The regular workday shall be 8 hours between 6:00 AM and 6:00 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must run for a minimum of 5 consecutive workdays.
- When a 2-shift schedule is worked, including a day shift, both shifts shall be established on the basis of 8 hours pay for 8 hours worked. The second shift shall receive the regular rate plus an additional 10%.
- When a 3-shift schedule is worked, the day shift shall be established on the basis of 8 hours pay for 8 hours worked, the second shift shall be established on the basis of 8 hours pay for 7.5 hours worked, and the third shift shall be established

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

on the basis of 8 hours pay for 7 hours worked. The day shift shall receive the regular rate, the second shift shall receive the regular rate plus an additional 10%, and the third shift shall receive the regular rate plus an additional 15%.

- When a second or third shift is worked with no day shift, the second or third shift shall be established on the basis of 8 hours pay for 8 hours worked. The second shift shall receive the regular rate plus an additional 10%, and the third shift shall receive the regular rate plus an additional 15%.

**OVERTIME:**

- Hours in excess of 8 per day, or outside the regular workday that are not shift work, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. Saturday may be used as a make-up day (paid at straight time) for a day lost to inclement weather, or for a holiday that is observed during the work week, Monday through Friday. All hours on Sundays and holidays shall be paid at double the regular rate.

- Four 10-hour days may be worked Monday to Thursday, at straight time, with Friday used a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the regular rate.

- Benefits on ALL overtime hours shall be paid at time and one-half.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Laborer - Heavy & General**

**PREVAILING WAGE RATE**

Rates are located in the  
"Statewide" rate package

**Craft: Laborer - Heavy & General**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
1000 Hours	60%	70%	80%	90%						
Benefit	20.28	for	all	intervals						

**Ratio of Apprentices to Journeymen - \***

\* No more than 1 apprentice for the first journeyman and no more than 1 apprentice for each additional 3 journeymen.

**Craft: Laborer - Heavy & General**

**COMMENTS/NOTES**

As of 3-1-19, benefits shall be \$21.03.

As of 3-1-20, benefits shall be \$21.78.

Heavy & General Laborer rates are located in the "Statewide" rate package.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Laborer-Residential and Modular Construction**

**PREVAILING WAGE RATE**

	04/26/18
* Skilled Tradesman (only applies to Modular Construction)	W25.85 B5.45 T31.30
Foreman (person directing crew, regardless of his skill classification)	W29.85 B5.45 T35.30
Laborer	W21.85 B5.45 T27.30
Laborer (for single family and stand-alone duplex owned by single owner)	W16.35 B2.95 T19.30

**Craft: Laborer-Residential and Modular Construction**

**APPRENTICE RATE SCHEDULE**

<u>INTERVAL</u>	<u>PERIOD AND RATES</u>									
	As shown	800 hours	600 hours	600 hours						
wage & benefits	70%	80%	90%							

Ratio of Apprentices to Journeymen-

One (1) apprentice shall be allowed for the first journeyman on site and no more than one (1) additional apprentice for each additional three (3) journeymen on site.

**Craft: Laborer-Residential and Modular Construction**

**COMMENTS/NOTES**

\* SKILLED TRADESMAN- any worker doing work not typically done by a Building Laborer. Some examples are installing interior doors, sheet rock, hooking up appliances, installing light fixtures, installing railing systems, etc. Please note where local building codes require that certain work be performed under the supervision of a licensed tradesman (i.e. Plumber, Electrician, etc.) Laborers shall work under such supervision.

RESIDENTIAL CONSTRUCTION- All residential construction (not commercial), single-family, stand-alone duplex houses, townhouses and multi-family buildings of not more than four (4) floors, including basement levels. Please note the construction must be residential in nature for ALL FLOORS at an elevation of no more than FOUR (4) FLOORS, INCLUDING BASEMENT. In addition, barracks and dormitories are not considered residential projects.

MODULAR RESIDENTIAL CONSTRUCTION- all aspects of modular residential construction (not commercial) at the site of installation of structures of no more than four (4) stories, including all excavation and site preparation, footings and foundation systems whether poured on-site or prefabricated, all underground waterproofing, underground utilities, concrete slabs, sidewalks, driveways, paving, hardscape and landscaping. Please note the construction must be residential in nature for ALL STORIES at an elevation of no more than FOUR (4) STORIES. All work performed by the Set Crew (the crew of workers who set the modular boxes on the foundation), including the rigging, setting, attaching and assembly of all modules and structural members, preparation of the foundation to accept modules, such as sill plates, connection of all in-module and under-module connections including, but not limited to, plumbing, electrical, HVAC, fire suppression, CATS,

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

telephone, television/internet, and fiber optic, the building or installation of any porches or decks regardless of material or method of construction, the on-site installation of, or completion of any roof system, doors, windows and fenestrations, including flashing, gutter and soffit systems, waterproofing, insulation and interior and exterior trim work, and painting. Please note that modular construction does not include on-site stick built construction, tip up construction or panel built construction.

The regular workday shall be 8 hours between 6:00 AM and 6:00 PM.

**OVERTIME:**

Hours worked in excess of 8 per day/40 per week, Monday through Saturday, and all hours worked on Sunday and holidays shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOILDAYS:**

New Year's Day, Martin Luther King Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Millwright                      PREVAILING WAGE RATE**

	11/01/18
Foreman	W57.03 B33.67 T90.70
Journeyman	W49.59 B29.36 T78.95

**Craft: Millwright                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
6 Months	40%	45%	50%	55%	60%	65%	70%	75%	85%	95%
Benefits	58% of	Appren	tice	Wage	Rate	for all	intervals	+ \$.60		

**Ratio of Apprentices to Journeymen - 1:3**

**Craft: Millwright                      COMMENTS/NOTES**

**FOREMAN REQUIREMENTS:**

- When there are 2 or more Millwrights on a job, 1 shall be designated as a Foreman.
- When there are 21 or more Millwrights on a job, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours, starting between 7:00 AM and 9:00 AM.

**SHIFT DIFFERENTIALS:**

- When a 2 shift schedule (including a day shift) is established, the day shift shall be established on an 8 hour basis. The second shift shall be established on an 8 hour basis, and receive the regular rate plus 15%, inclusive of benefits.
- When a three shift schedule is established, the first shift shall be established on an 8 hour basis, the second shift on a 7.5 hour basis, and the third shift on a 7 hour basis. The first shift shall receive the regular hourly rate, the second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.
- When there is no day shift, and a second or third shift is established, it shall be established on an 8 hour basis. The second shift shall receive the regular rate plus 15% and the third shift shall receive the regular rate plus 20%, inclusive of benefits.

**OVERTIME:**

- All hours in excess of 8 per day, or before or after an established shift that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Operating Engineer**

**PREVAILING WAGE RATE**

Rates are located in the  
"Statewide" rate package

**Craft: Operating Engineer**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	60%	70%	80%	90%						

**Ratio of Apprentices to Journeymen - \***

\* 1 apprentice for each piece of heavy equipment. At least 10 pieces of heavy equipment or a minimum of 5 Operating Engineers must be on site.

**Craft: Operating Engineer**

**COMMENTS/NOTES**

Operating Engineer rates are located in the "Statewide" rate package.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Operating Engineer - Field Engineer**

**PREVAILING WAGE RATE**

Rates are located in the  
"Statewide" rate package

**Craft: Operating Engineer - Field Engineer**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	70%	75%	of Rod/	Chainman	Wage					
Yearly			80%	90%	Transit/	Instrument	man	Wage		

**Ratio of Apprentices to Journeymen - \***

\* No more than 1 Field Engineer Apprentice per Survey Crew.

**Craft: Operating Engineer - Field Engineer**

**COMMENTS/NOTES**

Operating Engineer - Field Engineer rates are located in the "Statewide" rate package.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter - Bridges**

**PREVAILING WAGE RATE**

	05/04/17
Foreman	W59.13 B27.67 T86.80
General Foreman	W61.13 B27.67 T88.80
Journeyman	W54.13 B27.67 T81.80

**Craft: Painter - Bridges**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	40%	50%			60%	70%		80%	90%	
6 Months										
Benefits	Intervals	1 to 2 =	8.88	Intervals	3 to 4 =	10.81	Intervals	5 to 6 =	13.48	

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Painter - Bridges**

**COMMENTS/NOTES**

These rates apply to: All bridges that span waterways, roadways, railways and canyons. All tunnels, overpasses, viaducts and all appurtenances.

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter - Line Striping**

**PREVAILING WAGE RATE**

	12/01/17
Apprentice (1st year)	W25.45 B11.00 T36.45
Apprentice (2nd year)	W29.45 B18.00 T47.45
Foreman (Charge Person)	W37.60 B18.17 T55.77
Journeyman 1 (at least 1 year of working exp. as a journeyman)	W33.33 B18.17 T51.50
Journeyman 2 (at least 2 years of working exp. as a journeyman)	W37.10 B18.17 T55.27

**Craft: Painter - Line Striping**

**COMMENTS/NOTES**

**OVERTIME:**

Hours in excess of 8 per day, Monday through Saturday, and all hours on Sundays and holidays shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Veterans Day, Thanksgiving Day and Christmas Day. Veterans Day may be substituted for the day after Thanksgiving.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter - New Construction**

**PREVAILING WAGE RATE**

	05/17/18	05/01/19	05/01/20
Foreman	W43.80 B24.35 T68.15	W45.45 B24.35 T69.80	W47.45 B24.35 T71.80
General Foreman	W47.78 B24.67 T72.45	W49.43 B24.67 T74.10	W51.43 B24.67 T76.10
Journeyman	W39.82 B24.04 T63.86	W41.47 B24.04 T65.51	W43.47 B24.04 T67.51

**Craft: Painter - New Construction**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	40%	45%	55%	65%	70%	75%	80%	80%		
6 Months										
Benefits	8.05	8.05	10.05	10.05	11.05	11.05	14.05	14.05		

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Painter - New Construction**

**COMMENTS/NOTES**

Spraying, sandblasting, lead abatement, work on tanks or stacks, work performed above 3 stories or 30 feet in height, or using swing scaffolds requires an additional 10% of the wage rate.

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Painter - Repainting                      PREVAILING WAGE RATE**

	05/17/18	05/01/19	05/01/20
Foreman	W32.27 B19.91 T52.18	W33.07 B19.95 T53.02	W33.92 B19.95 T53.87
General Foreman	W35.20 B20.06 T55.26	W36.00 B20.10 T56.10	W36.85 B20.10 T56.95
Journeyman	W29.34 B19.77 T49.11	W30.14 B19.77 T49.91	W30.99 B19.77 T50.76

**Craft: Painter - Repainting                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	SEE	PAINTER	NEW	CONSTR	TION					
				UC						

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Painter - Repainting                      COMMENTS/NOTES**

NOTE: These rates may only be used on jobs where no major alterations (only doing painting and carpeting with nothing else being changed in the office or on the project) occur, and where not more than 3 other trades are present on the job, but may NOT, under any circumstances, be used for work on bridges, stacks, elevated tank, or generating stations.

Spraying, sandblasting, lead abatement, work on tanks or stacks, work performed above 3 stories or 30 feet in height, or using swing scaffolds requires an additional 10% of the wage rate.

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

**OVERTIME:**

- Hours in excess of 8 per day and 40 per week shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.
- Four 10-hour days may be worked, at straight time, Monday through Sunday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter- Containment**

**PREVAILING WAGE RATE**

	05/04/17
Journeyman	W35.18 B24.75 T59.93

**Craft: Painter- Containment**

**COMMENTS/NOTES**

NOTE: These rates shall require no painting, but used in a supporting capacity only, such as wrapping, boxing, fencing, etc. on tanks.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate..

- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter-Elevated Water Tanks**

**PREVAILING WAGE RATE**

	05/04/17
Foreman	W48.92 B24.92 T73.84
General Foreman	W50.92 B24.92 T75.84
Journeyman	W43.92 B24.92 T68.84

**Craft: Painter-Elevated Water Tanks**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	SEE	PAINTER	BRIDGES							

**Craft: Painter-Elevated Water Tanks**

**COMMENTS/NOTES**

These rates apply to: All new and repaint elevated water tanks (interior and exterior).

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Painter-Structural Steel**

**PREVAILING WAGE RATE**

	05/04/17
Foreman	W47.87 B25.27 T73.14
General Foreman	W49.87 B25.27 T75.14
Journeyman	W42.87 B25.27 T68.14

**Craft: Painter-Structural Steel**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	SEE	PAINTER	BRIDGES							

**Craft: Painter-Structural Steel**

**COMMENTS/NOTES**

These rates apply to: All work in power plants (any aspect). On steeples, on dams, on hangers, transformers, substations, etc. and on open steel, whether new or repaint. All new work (excluding traditional commercial painting work) in refineries, tank farms, water/sewerage treatment facilities and on pipelines.

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Painters on a job, 1 shall be designated a Foreman.
- When there are 15 or more Painters on a job, 1 shall be designated a General Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays and Sundays shall be paid at time and one-half the regular rate. All hours on holidays shall be paid at double the regular rate.
- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.
- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Saturday holiday observed the preceding Friday. Sunday holiday observed the following Monday.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Paperhanger - New Construction**

**PREVAILING WAGE RATE**

	05/17/18	05/01/19	05/01/20
Foreman	W45.82 B24.11 T69.93	W46.75 B24.11 T70.86	W47.68 B24.11 T71.79
Journeyman	W40.75 B24.11 T64.86	W41.68 B24.11 T65.79	W42.61 B24.11 T66.72

**Craft: Paperhanger - New Construction**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES										
	SEE	PAINTER	NEW	CONSTR	UC	TION					

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Paperhanger - New Construction**

**COMMENTS/NOTES**

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Paperhangers on a job, 1 shall be designated a Foreman.

The regular workday shall consist of 8 hours between 7:00 AM and 5:30 PM.

**SHIFT DIFFERENTIALS:**

- The second shift shall receive an additional 10% of the hourly rate, per hour, and the third shift shall receive an additional 15% of the hourly rate, per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.

- Saturday or Sunday may be used to make up a day lost to inclement weather, at straight time.

- Four 10-hour days may be worked, at straight time, Monday through Friday.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day, July 4th, Labor Day, General Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Paperhanger - Renovation**

**PREVAILING WAGE RATE**

	05/17/18	05/01/19	05/01/20
Foreman	W33.11	W34.13	W35.15
	B19.81	B19.81	B19.81
	T52.92	T53.94	T54.96
Journeyman	W30.10	W31.03	W31.96
	B19.81	B19.81	B19.81
	T49.91	T50.84	T51.77

**Craft: Paperhanger - Renovation**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
		SEE	PAINTER	NEW	CONSTR	TION				
					UC					

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Paperhanger - Renovation**

**COMMENTS/NOTES**

NOTE: These rates may only be used on jobs where no major alterations occur, and where not more than 3 other trades are present on the job, but may NOT, under any circumstances, be used for work on bridges, stacks, elevated tanks, or generating stations.

**FOREMEN REQUIREMENTS:**

- When there are 4 or more Paperhangers on a job, 1 shall be designated a Foreman.

**OVERTIME:**

- Hours in excess of 8 per day and 40 per week shall be paid at time and one-half the regular rate.
- Four 10-hour days may be worked, at straight time, Monday through Sunday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Pipefitter                      PREVAILING WAGE RATE**

	05/01/18	05/01/19
Foreman	W53.23 B42.41 T95.64	W0.00 B0.00 T97.82
Journeyman	W49.48 B39.43 T88.91	W0.00 B0.00 T91.13

**Craft: Pipefitter                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
Yearly	35%	45%	55%	65%	75%					
Benefit	18.22	22.15	24.59	27.04	29.49					

**Ratio of Apprentices to Journeymen - 1:5**

**Craft: Pipefitter                      COMMENTS/NOTES**

**FOREMAN REQUIREMENTS:**

- When there are 2 or more Journeyman Pipefitters on a job, 1 shall be designated a Foreman.
- There shall be a Foreman for every 8 Journeyman Pipefitters on a job.

The regular workday shall be 8 hours between 7:00 AM and 3:30 PM.

**SHIFT DIFFERENTIAL:**

- 2nd Shift (3:30 PM-11:30 PM) shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 10% per hour on the total rate.
- 3rd Shift (11:30 PM-7:00 AM) shall work 7 hours and receive 8 hours pay at the regular rate, plus 15% per hour on the total rate.

**OVERTIME:**

- All hours worked in excess of 8 per day, Monday through Friday, and all hours worked on Saturday, shall be paid at time and one-half, inclusive of benefits. All hours on Sunday and holidays shall be paid at double time, inclusive of benefits.
- By mutual agreement, employees may work four 10-hour days, Monday to Thursday, at straight time rate. Friday may be used as a make-up day for a day lost to inclement weather, and may be paid at straight time. If Friday is not a make-up day, the first 8 hours shall be paid at time and one-half, inclusive of benefits; hours in excess of 8 shall be paid at double time, inclusive of benefits.

**SHIFT DIFFERENTIAL (Maintenance Work Only):**

- 2nd Shift (3:30 PM-11:30 PM) shall work 7.5 hours and receive 8 hours pay at the regular rate, plus 10% per hour on the total rate.
- 3rd Shift (11:30 PM-7:00 AM) shall work 7 hours and receive 8 hours pay at the regular rate, plus 15% per hour on the total rate.

**OVERTIME (Maintenance Work Only):**

- All hours in excess of 8 per day, Monday through Saturday, shall be paid at time and one-half, inclusive of benefits. All

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

hours on Sundays and holidays shall be paid at double time, inclusive of benefits.

NOTE: Maintenance work is work to repair, restore, or improve the efficiency of existing facilities. This does NOT apply to ANY new construction.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays are observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Plasterer**

**PREVAILING WAGE RATE**

See Bricklayer, Stone Mason Rates

**Craft: Plasterer**

**COMMENTS/NOTES**

\*\*\*See BRICKLAYER, STONE MASON Rates\*\*\*

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Plumber                      PREVAILING WAGE RATE**

	05/01/18
Foreman	W58.41 B34.66 T93.07
General Foreman	W62.19 B34.66 T96.85
Journeyman	W54.08 B34.66 T88.74

**Craft: Plumber                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	30%	45%	55%	65%	75%					
Yearly										
Benefits	10.15	15.23	18.61	22.00	25.38					

**Ratio of Apprentices to Journeymen - \***

\* Employers may employ 1 apprentice on any job where 1 or 2 journeymen are employed. Thereafter, 1 apprentice may be employed for every 4 journeymen.

**Craft: Plumber                      COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE AS OF 5-1-18:

INTERVAL	PERIOD AND RATES				
Yearly	30%	45%	55%	65%	75%
Benefits	13.35	19.71	21.51	23.34	25.13

**FOREMAN REQUIREMENTS:**

- On any job having 2 or more Plumbers, 1 must be designated a Foreman.
- On any job having 9 or more Plumbers, 2 shall be designated as Foremen.

The regular workday shall consist of 8 hours between 7:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must continue for a minimum of 5 consecutive workdays.
- When two shifts are worked, the second shift shall work 7.5 hours and receive 8 hours pay, at a rate equal to the hourly rate plus 10%, inclusive of benefits.
- When a third shift is worked, the third shift shall work 7 hours and receive 8 hours pay, at a rate equal to the hourly rate plus 15%, inclusive of benefits.

**OVERTIME:**

- All hours in excess of 8 per day, or before of after the regular workday that are not shift work, Monday through Friday, and all hours on Saturday, shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sunday and holidays, shall be paid at double the hourly rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday to Thursday, at straight time. Friday may be used as a make-up day for a

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

day lost due to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

County - UNION

**Craft: Roofer                      PREVAILING WAGE RATE**

	06/07/18
Foreman	W39.52 B26.28 T65.80
Journeyman	W37.52 B26.28 T63.80

**Craft: Roofer                      APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
6 Months	15.00	18.76	22.51	26.26	30.01	33.77				
Benefits	0.00	0.00	21.40	21.40	21.40	21.40				

**Ratio of Apprentices to Journeymen - \***

- \* A) For roofing jobs that are of the 1 or single ply nature: 1:2 or fraction thereof
- B) For roofing jobs on new built up roofs: 1:3 or fraction thereof
- C) For roofing jobs that are of a tear-off nature: 1:2 or fraction thereof
- D) For roofing jobs {not requiring complete removal of existing systems, installation done over existing roof}: 1:3 or fraction thereof

**Craft: Roofer                      COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 4-1-17:

INTERVAL	PERIOD AND RATES							
6 Months	15.00	18.76	22.51	24.38	26.26	28.14	30.01	33.77
Benefits	0.00	0.00	21.40	21.40	21.40	21.40	21.40	21.40

Pitch: +.50 per hour

Mop Man: +.30 per hour

The regular workday consists of 8 hours between 8:00 AM and 4:30 PM.

**OVERTIME:**

Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays, Sundays, and holidays shall be paid at time and one-half the regular rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Sheet Metal Sign Installation**

**PREVAILING WAGE RATE**

	04/01/18
Foreman	W35.79 B33.00 T68.79
Journeyman	W34.54 B33.00 T67.54

**Craft: Sheet Metal Sign Installation**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
1000 hours	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%
Benefits	10.44	11.89	13.34	14.82	16.68	18.17	19.66	21.16	22.65	24.14

**Ratio of Apprentices to Journeymen - 1:3**

**Craft: Sheet Metal Sign Installation**

**COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE AS OF 4-1-18:

INTERVAL	PERIOD AND RATES									
1000 Hours	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%
Benefits	11.17	12.73	14.30	15.86	17.82	19.43	21.03	22.63	24.23	25.82

**FOREMAN REQUIREMENT:**

When there are 6 or more Sheet Metal Sign Installers on a job, 1 shall be designated a Foreman.

The regular workday consists of 8 hours, between 7:00 AM and 3:30 PM.

**OVERTIME:**

Hours before or after the regular workday, Monday through Friday, and all hours worked on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

Four(4) 10 hour days may be worked, Monday through Friday, at straight time, for projects lasting at least one week in duration. The fifth day may be used as a make-up day at straight time for a day lost due to inclement weather. However, if the fifth day is not a make-up day, all hours worked will be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Saturday holidays observed the preceding Friday, Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Sheet Metal Worker**

**PREVAILING WAGE RATE**

	10/17/18	06/01/19	06/01/20
Foreman	W51.29	W0.00	W0.00
	B42.93	B0.00	B0.00
	T94.22	T97.22	T100.47
General Foreman	W52.29	W0.00	W0.00
	B42.93	B0.00	B0.00
	T95.22	T98.22	T101.47
Journeyman	W47.79	W0.00	W0.00
	B42.93	B0.00	B0.00
	T90.72	T93.72	T96.97

**Craft: Sheet Metal Worker**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
	Yearly	35%	45%	55%	65%	of	Journey	man	Wage	Rate
Benefit	35%	45%	55%	65%	of	Journey	man	Benefit	Rate	

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Sheet Metal Worker**

**COMMENTS/NOTES**

**FOREMAN REQUIREMENTS:**

- When there are 2 or more Sheet Metal Workers on a project, 1 must be designated a Foreman.
- When there are 17 or more Sheet Metal Workers on a project, 1 must be designated a General Foreman.
- When there is only 1 Sheet Metal Worker (1 Journeyman) on a project, he/she shall receive \$1.00 more than the regular Journeyman's rate.

The regular workday is 8 hours between 7:00 AM and 4:30 PM.

**SHIFT DIFFERENTIAL:**

- 2nd Shift (3:30 PM - 12:00 AM) : +17% of regular hourly rate
- Shift work must run for a minimum of 5 consecutive workdays.

**OVERTIME:**

- Hours in excess of 8 per day, or before or after the regular workday, that are not shift work, and the first 10 hours on Saturdays shall be paid at time and one-half of the regular rate, inclusive of benefits. Hours in excess of 10 per day on Saturday, and all hours on Sundays and holidays shall be at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Friday, at straight time, with hours in excess of 10 per day, and hours in excess of 40 per week paid at the overtime rates listed above.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Sprinkler Fitter**

**PREVAILING WAGE RATE**

	07/01/18
Foreman	W64.88 B28.42 T93.30
General Foreman	W68.07 B28.42 T96.49
Journeyman	W60.78 B28.42 T89.20

**Craft: Sprinkler Fitter**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
1000 Hours	10.50	12.25	50%	55%	60%	65%	70%	75%	80%	85%
Benefits	11.52	11.52	23.17	23.17	23.17	23.17	Intervals	7 to 10	Jourymn	Ben.

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES REGISTERED AS OF 7-1-13:

INTERVAL	PERIOD AND RATES									
1000 hours	25%	30%	40%	45%	55%	60%	70%	75%	85%	90%
Benefits	11.52	11.52	23.17	23.17	23.17	23.17	Intervals	7 to 10	receive	Journeyman Ben.

**Craft: Sprinkler Fitter**

**COMMENTS/NOTES**

The regular workday consists of 8 consecutive hours between 6:00 AM and 4:30 PM.

**FOREMAN REQUIREMENTS:**

- The first Sprinkler Fitter on the job must be designated a Foreman.
- On any job having 12 or more Sprinkler Fitters, one must be designated a General Foreman.

**SHIFT DIFFERENTIALS:**

- Shift work must run for a minimum of 2 consecutive workdays.
- 2nd and 3rd shift shall receive an additional 15% of the regular rate, per hour.
- Any "off hours" shift starting at 8:00 PM or later shall receive an additional 25% of the regular rate, per hour.

**OVERTIME:**

The first 2 hours in excess of 8 per day, after the regular workday that are not shift work, Monday through Friday, shall be paid at time and one-half the regular rate. Hours worked in excess of 10 per day, Monday through Friday, and all hours on Saturday, Sunday and holidays, shall be paid double the regular rate.  
Four 10 hour days may be worked, Monday through Friday, at straight-time.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Tile Finisher-Marble**

**PREVAILING WAGE RATE**

	07/26/18
Finisher	W46.96 B34.28 T81.24

**Craft: Tile Finisher-Marble**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
750 Hours	40%	45%	50%	55%	60%	65%	70%	75%	85%	95%

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Tile Finisher-Marble**

**COMMENTS/NOTES**

**OVERTIME:**

Hours in excess of 7 per day, Monday through Friday, and the first 7 hours on Saturdays shall be paid at time and one half the regular rate, inclusive of benefits. Hours in excess of 7 on Saturdays and all hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Tile Setter - Ceramic**

**PREVAILING WAGE RATE**

	06/11/18	12/03/18
Finisher	W44.46	W45.08
	B30.16	B30.27
	T74.62	T75.35
Setter	W57.71	W58.37
	B33.47	B33.69
	T91.18	T92.06

**Craft: Tile Setter - Ceramic**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
750 Hours	35%	40%	50%	55%	60%	65%	70%	75%	80%	90%

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Tile Setter - Ceramic**

**COMMENTS/NOTES**

**OVERTIME:**

Hours in excess of 7 per day, and the first 10 hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Saturdays after 10 hours shall be paid double the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Tile Setter - Marble**

**PREVAILING WAGE RATE**

	07/26/18
Tile Setter	W58.91 B36.47 T95.38

**Craft: Tile Setter - Marble**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
750 Hours	40%	45%	50%	55%	60%	65%	70%	75%	85%	95%

**Ratio of Apprentices to Journeymen - 1:4**

**Craft: Tile Setter - Marble**

**COMMENTS/NOTES**

**OVERTIME:**

Hours in excess of 7 per day, Monday through Friday, and the first 7 hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. Hours in excess of 7 on Saturdays, and all hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Tile Setter - Mosaic & Terrazzo**

**PREVAILING WAGE RATE**

	07/01/18
Grinder or Assistant	W53.78 B35.53 T89.31
Mechanic	W55.38 B35.55 T90.93
Terrazzo Resinous Worker	W46.28 B28.69 T74.97

**Craft: Tile Setter - Mosaic & Terrazzo**

**APPRENTICE RATE SCHEDULE**

INTERVAL	PERIOD AND RATES									
750 Hours	50%	55%	60%	65%	70%	75%	85%	95%	100%	

**Ratio of Apprentices to Journeymen - 1:5**

**Craft: Tile Setter - Mosaic & Terrazzo**

**COMMENTS/NOTES**

APPRENTICE RATE SCHEDULE FOR THOSE APPRENTICES ENTERING PROGRAM AFTER 7-1-17:

INTERVAL	PERIOD AND RATES						
1500 Hours	35%	45%	60%	70%	80%	90%	100%

The regular workday consists of 7 hours, between 8:00 AM and 3:30 PM.

**OVERTIME:**

- Hours in excess of 7 per day, or before or after the regular workday, Monday through Friday, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Good Friday, Monday after Easter, Memorial Day, July 4th, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day and the day after, Christmas Day. Sunday holidays observed the following Monday.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Truck Driver**

**PREVAILING WAGE RATE**

	11/01/18
Bucket, Utility, Pick-up, Fuel Delivery trucks	W37.66 B35.80 T73.46
Dump truck, Asphalt Distributor, Tack Spreader	W37.66 B35.80 T73.46
Euclid-type vehicles (large, off-road equipment)	W37.81 B35.80 T73.61
Helper on Asphalt Distributor truck	W37.66 B35.80 T73.46
Slurry Seal, Seeding/Fertilizing/ Mulching truck	W37.66 B35.80 T73.46
Straight 3-axle truck	W37.71 B35.80 T73.51
Tractor Trailer (all types)	W37.81 B35.80 T73.61
Vacuum or Vac-All truck (entire unit)	W37.66 B35.80 T73.46
Winch Trailer	W37.91 B35.80 T73.71

**Craft: Truck Driver**

**COMMENTS/NOTES**

**BLENDED RATE:**

When a truck driver is performing work on the site and also serving as a material delivery driver, the driver shall be paid a "blended rate" which shall be 80% of the above-listed wage rates, plus the full benefit rate. This rate shall be used when the driver "round robins" for a minimum of 6 hours during the work day.

**HAZARDOUS WASTE REMOVAL:**

- On hazardous waste removal work on a State designated hazardous waste site where the driver is in direct contact with hazardous materials and when personal protective equipment is required for respiratory, skin, and eye protection, the driver shall receive an additional \$3.00 per hour (with or without protective gear).
- A hazardous waste related certified worker at a designated hazardous waste site who is not working in a zone requiring level A, B or C personal protection shall receive an additional \$1.00 per hour.

**TRUCK FOREMAN:** \$.75 cents per hour above regular rate. Overtime shall be increased accordingly.



**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

The regular workday shall be 8 hours, starting between 6:00 AM and 8:00 AM.

**SHIFT DIFFERENTIAL:**

- Shifts starting at 4:00 PM (2nd Shift): + \$2.50 per hour.
- Shifts starting at 12:00 AM (midnight/3rd Shift): time and one-half the hourly rate.
- Shifts starting at a time other than from 6:00 AM to 8:00 AM, when such hours are mandated by the project owner: + \$2.50 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, or before or after the regular workday, Monday through Friday, that are not shift work, and all hours on Saturdays shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Employees may work four 10-hour days at straight time, Monday through Thursday, with Friday used as a make-up day for a lost day. If Friday is not a make-up day, then all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day (Decoration Day), July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. The day after Thanksgiving may be substituted for Veterans' Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Truck Driver-Material Delivery Driver**

**PREVAILING WAGE RATE**

	08/24/18	04/01/19	04/01/20
Driver	W24.60	W25.10	W25.60
	B14.81	B15.25	B15.71
	T39.41	T40.35	T41.31

**Craft: Truck Driver-Material Delivery Driver**

**COMMENTS/NOTES**

**BLENDED RATE:**

When a truck driver is performing work on the site and also serving as a material delivery driver, the driver shall be paid a "blended rate". See the "Truck Driver" craft for the blended rates.

Truck Foreman/Shop Steward: +\$0.25 per hour

**SHIFT DIFFERENTIALS:**

- 2nd Shift shall receive an additional \$0.50 per hour
- 3rd Shift shall receive time and one-half the hourly rate.

**OVERTIME:**

- Hours in excess of 8 per day, or before or after the regular workday that are not shift work, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the hourly rate. All hours on Sunday and holidays shall be paid at double the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, President's Day, Memorial Day (Decoration Day), July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays will be observed the following Monday. The day after Thanksgiving may be substituted for Veterans' Day.

**NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION**

**County - UNION**

**Craft: Welder                      PREVAILING WAGE RATE**

Welder

**Craft: Welder                      COMMENTS/NOTES**

Welders rate is the same as the craft to which the welding is incidental .

# STATEWIDE RATES

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

{For apprentice rates refer to "Operating Engineers" apprentice rates in any county rate package}

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must run for 5 consecutive workdays.
- When 2 shifts are worked, the second shift shall receive an additional 10% of the regular rate inclusive of benefits, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, plus an additional 10% of the regular rate inclusive of benefits, per hour. The third shift shall receive 8 hours pay for 7 hours of work, plus an additional 15% of the regular rate inclusive of benefits, per hour.
- When such hours are mandated by the project owner, a shift that starts between 8:00 PM and midnight and ends by 6:00 AM Saturday, or that starts after 8:00 PM on Sunday, provided there are consecutive hours of work within the shift, shall receive an additional 15% of the regular rate, inclusive of benefits.
- On Highway, Road, Street, and Sewer projects irregular shifts starting between 5:00 PM and 12:00 AM may be worked Monday through Friday, and shall receive an additional 15% of the regular rate, inclusive of benefits. When working with other trades that receive a higher irregular shift rate, the Operating Engineer shall also receive the higher irregular shift rate.

**OVERTIME:**

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veteran's Day.

On hazardous waste removal work or asbestos removal 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, the operating engineer shall receive an additional 20% of the hourly wage, per hour.

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
50.18	31.85	82.03	83.03	85.38

**CLASSIFICATIONS:**

A-Frame

Backhoe (combination)

Boom Attachment on loaders (Except pipehook)

Boring & Drilling Machine

Brush Chopper, Brush Shredder, Tree Shredder, Tree Shearer

Bulldozer, finish grade

Cableway

Carryall

Concrete Pump

Concrete Pumping System (Pumpcrete & similar types)

Conveyor, 125 feet or longer

Drill Doctor (Duties include dust collector and maintenance)

Front End Loader (2 cu. yds. but less than 5 cu. yds.)

Grader, finish

Groove Cutting Machine (ride-on type)

Heater Planer

Hoist: Outside Material Tower Hoist (all types including steam, gas, diesel, electric, air hydraulic, single and double drum, concrete, brick shaft caisson, snorkle roof, and other similar types, Except Chicago-boom type) \* receives an additional \$1.00 per hour on 100 ft. up to 199 ft. total height, and an additional \$2.00 per hour on 200 ft. and over total height.

Hydraulic Crane (10 tons & under)

Hydraulic Dredge

Hydro-Axe

Hydro-Blaster

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
50.18	31.85	82.03	83.03	85.38

**CLASSIFICATIONS:**

Jack (screw, air hydraulic, power-operated unit, or console type, Except hand jack or pile load test type)

Log Skidder

Pan

Paver, concrete

Plate & Frame Filter Press

Pumpcrete (unit type)

Pumpcrete, Squeezecrete, or Concrete Pumping machine (regardless of size)

Scraper

Side Boom

Straddle Carrier (Ross and similar types)

Whiphammer

Winch Truck (hoisting)

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
48.27	31.85	80.12	81.12	83.47

**CLASSIFICATIONS:**

- Asphalt Curbing Machine
- Asphalt Plant Engineer
- Asphalt Spreader
- Autograde Curb Trimmer & Sidewalk Shoulder Slipform (CMI & similar types)
- Autograde Curecrete Machine (CMI & similar types)
- Autograde Tube Finisher & Texturing Machine (CMI & similar types)
- Bar Bending Machines (Power)
- Batcher, Batching Plant, & Crusher [On Site]
- Belt Conveyor System
- Boom-Type Skimmer Machine
- Bridge Deck Finisher
- Bulldozer (all sizes)
- Captain (Power Boats)
- Car Dumper (railroad)
- Compressor & Blower unit for loading/unloading of concrete, cement, fly ash, or similar type materials (used independently or truck-mounted)
- Compressor (2 or 3 battery)
- Concrete Breaking Machine
- Concrete Cleaning/Decontamination Machine
- Concrete Finishing Machine
- Concrete Saw or Cutter (ride-on type)
- Concrete Spreader (Hetzl, Rexomatic & similar types)
- Concrete Vibrator



**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
48.27	31.85	80.12	81.12	83.47

**CLASSIFICATIONS:**

- Conveyors - under 125 feet
- Crane Signalman
- Crushing Machine
- Directional Boring Machine
- Ditching Machine - Small (Ditchwitch, Vermeer or similar types)
- Dope Pot - Mechanical (with or without pump)
- Dumpster
- Elevator
- Fireman
- Fork Lift (Economobile, Lull & similar types)
- Front End Loader (1 cu. yd. and over but less than 2 cu. yds.)
- Generator (2 or 3 battery)
- Giraffe Grinder
- Goldhofer/Hydraulic Jacking Trailer
- Grader & Motor Patrols
- Grout Pump
- Gunnite Machine (Excluding nozzle)
- Hammer - Vibratory (in conjunction with generator)
- Heavy Equipment Robotics - Operator/Technician
- Hoist (roof, tigger, aerial platform hoist, house car)
- Hopper
- Hopper Doors (power operated)
- Ladder (motorized)

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
48.27	31.85	80.12	81.12	83.47

**CLASSIFICATIONS:**

Laddervator

Locomotive (Dinky-type)

Maintenance Utility Man

Master Environmental Maintenance Technician

Mechanic

Mixer (Except paving mixers)

Pavement Breaker (truck-mounted or small self-propelled  
ride-on type)

Pavement Breaker - maintenance of compressor or hydraulic unit

Pipe Bending Machine (power)

Pitch Pump

Plaster Pump (regardless of size)

Post Hole Digger (post pounder, auger)

Rod Bending Machines

Roller (black top)

Scale (power)

Seamen Pulverizing Mixer

Shoulder Widener

Silo

Skimmer Machine (boom type)

Steel Cutting Machine (service & maintenance)

Tamrock Drill

Tractor

Transfer Machines

**OPERATING ENGINEERS**     Rates Expiration Date : 03/31/2020

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
48.27	31.85	80.12	81.12	83.47

**CLASSIFICATIONS:**

Tug Captains

Tug Master (Power Boats)

Ultra High Pressure Waterjet Cutting Tool System -  
Operator/Maintenance Technician

Vacuum Blasting Machine - Operator/Maintenance Technician

Vibrating Plant (used with unloading)

Welder & Repair Mechanic

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
44.93	31.85	76.78	77.78	80.13

**CLASSIFICATIONS:**

Assistant Engineer/Oiler

Driller's Helper

Field Engineer - Transit man or Instrument man

Maintenance Apprentice (Deckhand)

Maintenance Apprentice (Oiler)

Mechanic's Helper

Off Road Back Dump

Tire Repair & Maintenance

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
42.35	31.85	74.20	75.20	77.55

**CLASSIFICATIONS:**

Field Engineer - Rodman or Chainman

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
52.51	31.85	84.36	85.36	87.71

**CLASSIFICATIONS:**

Lead Engineer, Foreman Engineer, Safety Engineer (minimum)

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
51.77	31.85	83.62	84.62	86.97

**CLASSIFICATIONS:**

Autograde Pavement Profiler (CMI & similar types)

Autograde Pavement Profiler - Recycle Type (CMI & similar types)

Autograde Placer/Trimmer/Spreader Combination (CMI & similar types)

Autograde Slipform Paver (CMI & similar types)

Backhoe (Excavator)

Central Power Plant

Concrete Paving Machine

Cranes, Derricks, Pile Drivers (all types), under 100 tons with a boom (including jib and/or leads) under 100 ft.

Draglines

Drill, Bauer, AMI and similar types

Drillmaster, Quarrymaster

Drillmaster/Quarrymaster (down-the-hole drill), rotary drill, self-propelled hydraulic drill, self-powered drill

Elevator Grader

Field Engineer-Chief of Party

Front End Loader (5 cu. yards or larger)

Gradall

Grader, Rago

Helicopter Co-Pilot

Helicopter Communications Engineer

Juntann Pile Driver

Locomotive (large)

Mucking Machine

**OPERATING ENGINEERS**     **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
51.77	31.85	83.62	84.62	86.97

**CLASSIFICATIONS:**

Pavement & Concrete Breaker (Superhammer & Hoe Ram)

Pile Driver

Prentice Truck

Roadway Surface Grinder

Scooper (loader & shovel)

Shovel (Excavator)

Trackhoe (Excavator)

Tree Chopper with boom

Trenching Machine (cable plow)

Tunnel Boring Machine

Vacuum Truck

**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
46.64	31.85	78.49	79.49	81.84

**CLASSIFICATIONS:**

- Chipper
- Compressor (single)
- Concrete Spreader (small type)
- Conveyor Loader (Except elevator graders)
- Engines, Large Diesel (1620 HP) & Staging Pump
- Farm Tractor
- Fertilizing Equipment (operation & maintenance)
- Fine Grade Machine (small type)
- Form Line Grader (small type)
- Front End Loader (under 1 cubic yard)
- Generator (single)
- Grease, Gas, Fuel, & Oil Supply Trucks
- Heaters (Nelson or other type)
- Lights - portable generating light plant
- Mixer, Concrete (small)
- Mulching Equipment (operation & maintenance)
- Power Broom or Sweeper
- Pump (diesel engine & hydraulic - regardless of power)
- Pump (larger than 2 inch suction, including submersible pumps)
- Road Finishing Machine (small type)
- Roller - grade, fill, or stone base
- Seeding Equipment (operation & maintenance)
- Sprinkler & Water Pump Trucks

**OPERATING ENGINEERS**     Rates Expiration Date : 03/31/2020

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
46.64	31.85	78.49	79.49	81.84

**CLASSIFICATIONS:**

Steam Generator or Boiler

Stone Spreader

Tamping Machine (vibrating ride-on type)

Temporary Heating Plant (Nelson or other type, including propane, natural gas, and flow-type units)

Water or Sprinkler Truck

Welding Machine (gas, diesel, or electric convertor, of any type)

Welding System - Multiple (rectifier transformer type)

Wellpoint Systems (including installation by bull gang and maintenance)

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
53.59	31.85	85.44	86.44	88.79

**CLASSIFICATIONS:**

Helicopter Pilot/Engineer

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
58.27	31.85	90.12	91.12	93.47

**CLASSIFICATIONS:**

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with boom (including jib and/or leads) 140 ft. and over

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
57.27	31.85	89.12	90.12	92.47

**CLASSIFICATIONS:**

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with boom (including jib and/or leads) from 100 ft. to 139 ft.



**OPERATING ENGINEERS**    **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
53.77	31.85	85.62	86.62	88.97

**CLASSIFICATIONS:**

Cranes, Derricks, Pile Driver (all types) , under 100 tons with a boom (including jib and/or leads) 140 ft. and over

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
56.27	31.85	88.12	89.12	91.47

**CLASSIFICATIONS:**

Cranes, Derricks, Pile Driver (all types), 100 tons and over and TOWER CRANE with a boom (including jib and/or leads) under 100 ft.

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
52.77	31.85	84.62	85.62	87.97

**CLASSIFICATIONS:**

Cranes, Derricks, Pile Driver (all types), under 100 tons with a boom (including jib and/or leads) from 100 ft. to 139 ft.

**STRUCTURAL STEEL ERECTION**     **Rates Expiration Date : 03/31/2020**

{For apprentice rates refer to "Operating Engineers" apprentice rates in any county rate package}

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must run for 5 consecutive workdays.
- When 2 shifts are worked, the second shift shall receive an additional 10% of the regular rate inclusive of benefits, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, plus an additional 10% of the regular rate inclusive of benefits, per hour. The third shift shall receive 8 hours pay for 7 hours of work, plus an additional 15% of the regular rate inclusive of benefits, per hour.
- When such hours are mandated by the project owner, a shift that starts between 8:00 PM and midnight and ends by 6:00 AM Saturday, or that starts after 8:00 PM on Sunday, provided there are consecutive hours of work within the shift, shall receive an additional 15% of the regular rate, inclusive of benefits.
- On Highway, Road, Street, and Sewer projects irregular shifts starting between 5:00 PM and 12:00 AM may be worked Monday through Friday, and shall receive an additional 15% of the regular rate, inclusive of benefits. When working with other trades that receive a higher irregular shift rate, the Operating Engineer shall also receive the higher irregular shift rate.

**OVERTIME:**

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veteran's Day.

On hazardous waste removal work or asbestos removal 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, the operating engineer shall receive an additional 20% of the hourly wage, per hour.

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
55.40	31.85	87.25	88.25	90.60

**CLASSIFICATIONS:**

Helicopter Co-Pilot & Communications Engineer

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

**STRUCTURAL STEEL ERECTION**      **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
51.34	31.85	83.19	84.19	86.54

**CLASSIFICATIONS:**

A-Frame

Cherry Picker -10 tons or less (Over 10 tons use crane rate)

Hoist (all types Except Chicago-boom)

Jack (screw, air hydraulic, power-operated unit or console type, Except hand jack or pile load test type)

Side Boom

Straddle Carrier

**STRUCTURAL STEEL ERECTION**      **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
48.68	31.85	80.53	81.53	83.88

**CLASSIFICATIONS:**

- Aerial Platform Used On Hoists
- Apprentice Engineer/Oiler with Compressor or Welding Machine
- Captain (Power Boats)
- Compressor (2 or 3 in battery)
- Concrete Cleaning/Decontamination Machine Operator
- Conveyor or Tugger Hoist
- Directional Boring Machine
- Elevator or House Car
- Fireman
- Forklift
- Generator (2 or 3)
- Heavy Equipment Robotics, Operator/Technician
- Maintenance Utility Man
- Master Environmental Maintenance Technician
- Tug Master (Power Boats)
- Ultra High Pressure Waterjet Cutting Tool System Operator/Maintenance Technician
- Vacuum Blasting Machine Operator/Maintenance Technician
- Welding Machines, Gas or Electric Converters on any type-2 or 3 in battery including diesels

**STRUCTURAL STEEL ERECTION**      **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
47.15	31.85	79.00	80.00	82.35

**CLASSIFICATIONS:**

Compressor (Single)

Generators

Welding Machines, Gas, Diesel, Or Electric Converters of any type-single

Welding System, Multiple (Rectifier Transformer Type)

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
45.39	31.85	77.24	78.24	80.59

**CLASSIFICATIONS:**

Assistant Engineer/Oiler

Drillers Helper

Field Engineer - Transit/Instrument Man

Maintenance Apprentice (Deckhand)

Maintenance Apprentice (Oiler)

Off Road Back Dump

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
52.96	31.85	84.81	85.81	88.16

**CLASSIFICATIONS:**

Lead Engineer, Foreman Engineer, Safety Engineer (Minimum)

**Effective Dates:**

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
42.35	31.85	74.20	75.20	77.55

**CLASSIFICATIONS:**

Field Engineer - Rodman or Chainman

**STRUCTURAL STEEL ERECTION**      **Rates Expiration Date : 03/31/2020**

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
52.10	31.85	83.95	84.95	87.30

**CLASSIFICATIONS:**

Field Engineer-Chief of Party

Vacuum Truck

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
60.29	31.85	92.14	93.14	95.49

**CLASSIFICATIONS:**

Cranes (all cranes, land or floating with booms, including jib, 140 ft. and over, above ground). Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, 140 ft. and over, above ground), and Pile Drivers (all types) 100 tons and over and Tower Cranes.

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
58.63	31.85	90.48	91.48	93.83

**CLASSIFICATIONS:**

Cranes (all cranes, land or floating with booms including jib, less than 140 ft. above ground), Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, less than 140 ft. above ground), Pile Drivers (all types), 100 tons and over and Tower Crane.

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
55.79	31.85	87.64	88.64	90.99

**CLASSIFICATIONS:**

Cranes (all cranes, land or floating with booms including jib, 140 ft. and over, above ground), Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, 140 ft. and over, above ground), Pile Drivers (all types), under 100 tons.

**Effective Dates:**

<b>07/01/2018</b>			<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
54.13	31.85	85.98	86.98	89.33

**CLASSIFICATIONS:**

Cranes (all cranes, land or floating with booms including jib, less than 140 ft. above ground), Derricks (all derricks, land, floating or Chicago Boom type with booms including jib, less than 140 ft. above ground), Pile Drivers (all types), under 100 tons.

TERRITORY  
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STRUCTURAL STEEL ERECTION      Rates Expiration Date : 03/31/2020

Effective Dates:

07/01/2018			01/01/2019	07/01/2019
Rate	Fringe	Total	Total	Total
55.79	31.85	87.64	88.64	90.99

CLASSIFICATIONS:

Helicopter Pilot & Engineer

**TEST BORING PRELIMINARY TO CONSTRUCTION-SOUTH/WEST**     **Rates Expiration Date : 03/31/2020**

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Monmouth, Ocean, Salem, Sussex, Warren

The regular workday consists of 8 hours, Monday to Friday, between 6:00 AM and 4:30 PM.

**SHIFT DIFFERENTIALS:**

- Shift work must run for 5 consecutive workdays.
- When 2 shifts are worked, the second shift shall receive an additional 10% of the regular rate inclusive of benefits, per hour.
- When 3 shifts are worked, the second shift shall receive 8 hours pay for 7.5 hours of work, plus an additional 10% of the regular rate inclusive of benefits, per hour. The third shift shall receive 8 hours pay for 7 hours of work, plus an additional 15% of the regular rate inclusive of benefits, per hour.
- When such hours are mandated by the project owner, a shift that starts between 8:00 PM and midnight and ends by 6:00 AM Saturday, or that starts after 8:00 PM on Sunday, provided there are consecutive hours of work within the shift, shall receive an additional 15% of the regular rate, inclusive of benefits.
- On Highway, Road, Street, and Sewer projects irregular shifts starting between 5:00 PM and 12:00 AM may be worked Monday through Friday, and shall receive an additional 15% of the regular rate, inclusive of benefits. When working with other trades that receive a higher irregular shift rate, the Operating Engineer shall also receive the higher irregular shift rate.

**OVERTIME:**

- Hours in excess of 8 per day, or outside of the regular workday, Monday through Friday, that are not shift work, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with all hours on Friday paid at time and one-half the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. When all trades on a particular job site agree, the day after Thanksgiving may be substituted for Veteran's Day.

On hazardous waste removal work or asbestos removal 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, the operating engineer shall receive an additional 20% of the hourly wage, per hour.

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
51.77	31.85	83.62	84.62	86.97

**CLASSIFICATIONS:**

Driller

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
Rate	Fringe	Total	Total	Total
44.93	31.85	76.78	77.78	80.13

**CLASSIFICATIONS:**

Driller's Helper



**FREE AIR TUNNEL JOBS**     **Rates Expiration Date : 02/28/2021**

{For apprentice rates refer to "Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
42.75	30.28	73.03	75.78	78.28

**CLASSIFICATIONS:**

Walking Boss & Superintendent

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
42.45	30.28	72.73	75.48	77.98

**CLASSIFICATIONS:**

Heading Foreman, Shaft Foreman, Rod Foreman, Electrician Foreman, Rigging Foreman

**FREE AIR TUNNEL JOBS**      **Rates Expiration Date : 02/28/2021**

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
41.95	30.28	72.23	74.98	77.48

**CLASSIFICATIONS:**

Iron Foreman, Caulking Foreman, Form Foreman, Cement Finishing Foreman, Concrete Foreman, Track Foreman, Cleanup Foreman, Grout Foreman

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
44.45	30.28	74.73	77.48	79.98

**CLASSIFICATIONS:**

Blaster

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
41.40	30.28	71.68	74.43	76.93

**CLASSIFICATIONS:**

Top Labor Foreman

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
41.05	30.28	71.33	74.08	76.58

**CLASSIFICATIONS:**

Skilled Men (including Caulker, Powder Carrier, all other skilled men)

Skilled Men (including Miner, Drill Runner, Iron Man, Conveyor Man, Manintenance Man, Safety Miner, Rigger, Block Layer, Cement Finisher, Tod Man)

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.90	30.28	71.18	73.93	76.43

**CLASSIFICATIONS:**

Semi-Skilled Men (including Bell or Signal Man Top or Bottom, Form Worker & Mover, Concrete Worker, Shaft Man, Tunnel Laborer, Caulker's Helper, all other semi-skilled)

Semi-Skilled Men (including Miner's Helper, Chuck Tender, Track Man, Nipper, Brake Man, Derail Man, Cable Man, Hose Man, Gravel Man, Form Man)

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**Effective Dates:**

	<b>09/01/2018</b>		<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
40.50	30.28	70.78	73.53	76.03

**CLASSIFICATIONS:**

All Others (including Powder Watchman, Change House Attendant, Top Laborer)

**DRILL FOR GROUND WATER SUPPLY**     **Rates Expiration Date : 03/31/2020**

The well driller and/or helper may perform all work relative to the construction, finishing, and servicing of wells, pumps and borings for ground water supply. The present methods of well drilling entailing as they do, many diverse job operations calling for drilling, pump discharge, piping, and the operation of various types of related power equipment, shall all be within the job duties and functions of the well driller and/or helper. In the event that an extension of work should occur beyond water well drilling functions, into the field of general construction work, such extension of work would come under the appropriate rates listed elsewhere in this wage determination.

- For Work Hours, Shift Differentials, Overtime Rates, and Recognized Holidays see the "Operating Engineers" section of this wage determination.

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
	Rate	Fringe	Total	Total
	50.52	31.85	82.37	83.37
				85.72

**CLASSIFICATIONS:**

Driller

**Effective Dates:**

	<b>07/01/2018</b>		<b>01/01/2019</b>	<b>07/01/2019</b>
	Rate	Fringe	Total	Total
	43.68	31.85	75.53	76.53
				78.88

**CLASSIFICATIONS:**

Driller's Helper

**OPERATING ENGINEERS MARINE-DREDGING**     **Rates Expiration Date : 09/30/2018**

NOTE: These wage rates only apply to dredging and other marine construction activities occurring in navigable waters and their tributaries.

Boat crews carrying explosive material (dynamite, pourfex, and other similar materials) shall be paid at 120% of the hourly wage rate for hours engaged in handling of said materials. Employees required to possess a Hazardous Material Certification as a condition of employment shall be compensated at 120% of the hourly wage rate.

**OVERTIME:**

Hours in excess of 40 per week, and all hours on Saturdays and Sundays, shall be paid at time and one-half the hourly rate. All hours on holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Martin Luther King Day, Good Friday, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday.

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
38.18	14.33	52.51

**CLASSIFICATIONS:**

Lead Dredgerman, Operator, Leverman

Licensed Tug Operator (over 1000 HP)

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
33.03	13.92	46.95

**CLASSIFICATIONS:**

Derrick Operator, Spider/Spill Barge Operator

Engineer, Electrician, Chief Welder, Chief Mate

Fill Placer, Operator II

Licensed Boat Operator

Maintenance Engineer

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
31.09	13.77	44.86

**CLASSIFICATIONS:**

Certified Welder

**OPERATING ENGINEERS MARINE-DREDGING**      **Rates Expiration Date : 09/30/2018**

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
30.24	13.40	43.64

**CLASSIFICATIONS:**

Mate, Drag Barge Operator, Steward, Assistant Fill Placer

Welder

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
29.26	13.32	42.58

**CLASSIFICATIONS:**

Boat Operator

**Effective Dates:**

**10/01/2017**

Rate	Fringe	Total
24.30	12.62	36.92

**CLASSIFICATIONS:**

Shoreman, Deckhand, Rodman, Scowman

MICROSURFACING/SLURRY SEAL     Rates Expiration Date : 02/28/2018

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Ocean, Salem

\*\*\*IN ALL OTHER COUNTIES use the Heavy and General Laborers - North "Slurry Seal Laborer" rates.\*\*\*

**SHIFT DIFFERENTIALS:**

Any shift starting at 3:30 PM or later shall receive an additional \$0.35/hr

**OVERTIME:**

Hours in excess of 8 per day or 40 per week shall be paid at time and one-half the hourly rate. All hours on holidays shall be paid at double the hourly rate.

RECOGNIZED HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day.

**Effective Dates:**

**03/01/2017**

Rate	Fringe	Total
36.50	21.27	57.77

**CLASSIFICATIONS:**

Foreman

**Effective Dates:**

**03/01/2017**

Rate	Fringe	Total
33.80	21.27	55.07

**CLASSIFICATIONS:**

Box man

**Effective Dates:**

**03/01/2017**

Rate	Fringe	Total
31.75	21.27	53.02

**CLASSIFICATIONS:**

Microsurface/Slurry Preparation

**Effective Dates:**

**03/01/2017**

Rate	Fringe	Total
31.75	21.27	53.02

**CLASSIFICATIONS:**

Squeegee man

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MICROSURFACING/SLURRY SEAL      Rates Expiration Date : 02/28/2018

**Effective Dates:**

**03/01/2017**

Rate	Fringe	Total
30.30	21.27	51.57

**CLASSIFICATIONS:**

Cleaner, Taper



**ASPHALT LABORERS - SOUTH**    **Rates Expiration Date : 02/28/2021**

"THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Ocean, Salem

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
42.25	30.28	72.53	75.28	77.78

**CLASSIFICATIONS:**

Paving Foreman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.80	30.28	71.08	73.83	76.33

**CLASSIFICATIONS:**

Head Raker

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.65	30.28	70.93	73.68	76.18

**CLASSIFICATIONS:**

Raker, Screedman, Luteman

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**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.40	30.28	70.68	73.43	75.93

**CLASSIFICATIONS:**

Tampers, Smoothers, Kettlemen,  
Painters, Shovelers, Roller Boys

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.50	30.28	70.78	73.53	76.03

**CLASSIFICATIONS:**

Milling Controller

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.70	30.28	70.98	73.73	76.23

**CLASSIFICATIONS:**

Traffic Control Coordinator

**TEST BORING PRELIMINARY TO CONSTRUCTION-NORTH**     **Rates Expiration Date : 10/16/2018**

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:  
Bergen, Essex, Hudson, Middlesex, Morris, Passaic, Somerset, Union

**SHIFT DIFFERENTIAL:**

Employees on a shift other than between the hours of 8:00 AM and 5:00 PM shall receive an additional \$1.00 per hour.

**OVERTIME:**

Hours in excess of 8 per day, Monday through Friday, and all hours on Saturday shall be paid at time and one-half the regular rate. All hours on Sundays and holidays shall be paid at double the regular rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

Hazardous Waste Pay (for Levels A, B, and C): an additional 10% of the hourly rate, per hour.

A newly hired Helper with no experience in the industry shall be paid as follows:

- 1st year on the job - 70% of Helper wage rate
- 2nd year on the job - 80% of Helper wage rate
- 3rd year on the job - 90% of Helper wage rate
- All helpers receive full fringe benefit rate.

**Effective Dates:**

**10/17/2017**

Rate	Fringe	Total
31.62	25.55	57.17

**CLASSIFICATIONS:**

Helper (4th year helper)

**Effective Dates:**

**10/17/2017**

Rate	Fringe	Total
39.69	25.55	65.24

**CLASSIFICATIONS:**

Driller

**Effective Dates:**

**10/17/2017**

Rate	Fringe	Total
45.73	25.55	71.28

**CLASSIFICATIONS:**

Foreman

**HEAVY & GENERAL LABORERS - NORTH**     **Rates Expiration Date : 02/28/2021**

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Passaic, Somerset, Sussex, Union, Warren

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.00	30.28	70.28	73.03	75.53

**CLASSIFICATIONS:**

**"D" Rate:**

basic, landscape, asphalt, slurry seal, or railroad track laborer; utility meter installer; flagman; salamander tender; pitman; dumpman; rakers or tampers on cold patch work; wrappers or coaters of pipe; waterproofer; timberman; wagon drill or drill master helper; powder carrier; magazine tender; signal man; power buggy operator; tree cutter; operator of basic power tools

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.70	30.28	70.98	73.73	76.23

**CLASSIFICATIONS:**

**"C" Rate:**

pipe layer; laser man; conduit or duct line layer; operator of jack hammer, chipping hammer, pavement breaker, concrete cutter, asphalt cutter, sheet hammer, or walk-behind saw cutter; sandblaster; acetylene cutting or burning; wagon drill, directional drill, or hydraulic drill operator; drill master; core driller; traffic control coordinator; asphalt raker or lute man

**HEAVY & GENERAL LABORERS - NORTH**      **Rates Expiration Date : 02/28/2021**

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.95	30.28	71.23	73.98	76.48

**CLASSIFICATIONS:**

"B" Rate:

concrete finisher; setter of brick or stone pavers; stone cutter; form setter; manhole, catch basin, or inlet builder; asphalt screedman; rammer; hardscaping; gunite nozzle man

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
44.50	30.28	74.78	77.53	80.03

**CLASSIFICATIONS:**

"A" Rate:

blaster

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
42.25	30.28	72.53	75.28	77.78

**CLASSIFICATIONS:**

"FOREMAN" Rate:

labor foreman, asphalt foreman, drill foreman, pipe foreman, grade foreman, finisher foreman, concrete foreman

**Effective Dates:**

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
43.25	30.28	73.53	76.28	78.78

**CLASSIFICATIONS:**

"GENERAL FOREMAN" Rate

**HEAVY & GENERAL LABORERS - SOUTH**    **Rates Expiration Date : 02/28/2021**

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Ocean, Salem

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.00	30.28	70.28	73.03	75.53

**CLASSIFICATIONS:**

basic, landscape, or railroad track laborer; utility meter installer; flagman; salamander tender; pitman; dumpman; rakers or tampers on cold patch work; wrappers or coaters of pipe; waterproofers; tree cutter, timberman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.00	30.28	70.28	73.03	75.53

**CLASSIFICATIONS:**

wagon drill or drill master helper; powder carrier; magazine tender; signal man

**HEAVY & GENERAL LABORERS - SOUTH**      **Rates Expiration Date : 02/28/2021**

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
40.70	30.28	70.98	73.73	76.23

**CLASSIFICATIONS:**

pipe layer; laser man; conduit or duct line layer; operator of jack hammer, chipping hammer, pavement breaker, concrete cutter, asphalt cutter, sheet hammer, or walk-behind saw cutter; sandblaster; acetylene cutting or burning

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
40.70	30.28	70.98	73.73	76.23

**CLASSIFICATIONS:**

wagon or directional drill operator; drill master

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
44.50	30.28	74.78	77.53	80.03

**CLASSIFICATIONS:**

blaster

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
42.25	30.28	72.53	75.28	77.78

**CLASSIFICATIONS:**

labor foreman, drill foreman, pipe foreman, grade foreman, finisher foreman, concrete foreman

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
43.25	30.28	73.53	76.28	78.78

**CLASSIFICATIONS:**

general foreman

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**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
40.95	30.28	71.23	73.98	76.48

**CLASSIFICATIONS:**

concrete finisher; setter of brick or stone pavers; stone cutter; form setter; manhole, catch basin, or inlet builder; rammer; gunite nozzle man



PIPELINE - MAINLINE TRANSMISSION     Rates Expiration Date : 06/03/2019

These rates apply to the following: welding on Transportation Mainline pipe lines (cross-country pipe lines, or any segments thereof, transporting coal, gas, oil, water or other transportable materials, vapors or liquids, including portions of such pipe lines within private property boundaries up to the final metering station or connection - the point where a valve, consumer connection, or town border station divides mainline transmission lines or higher pressure lateral and branch lines from lower pressure distribution systems).

PER DIEM PAYMENT:

In addition to the total wage rate paid for each craft, the following per diem (per day) amounts must also be paid - Pipeline Journeyman: \$42.50; Pipeline Journeyman Welder: \$102.50; and Pipeline Helper: \$42.50. Note: in order to receive the per diem payment an employee must work a minimum of 8 hours in a 24 hour period.

NOTES:

- Journeymen employed as "stringer bead" welders and journeymen who are regularly employed as "hot-pass" welders shall receive \$1.00 per hour more than other journeymen.
- Welders running "stringer bead" or "hot-pass" on "cutouts" or "tie-ins" on a production basis shall be paid \$1.00 per hour above the journeymen rate.
- Whenever a welder helper is employed using a power buffer or power grinder immediately behind the stringer bead and/or hot-pass welders, and the pipe gang is set on a production basis, the helper shall be paid \$2.00 per hour above the helper rate.
- If back welding is performed inside a pipe under either or both of the following conditions, the welder engaged in the welding will receive \$3.00 per hour above the regular rate for the job only for the days on which such back welding is performed:
  - The employer elects, as a regular procedure, to back weld each line-up. This condition is not intended to apply to occasional back welding performed by the pipe gang to repair a bead, to rectify a "high-lo" condition or wall thickness, etc.
  - A welder is required to back weld a completed weld behind the firing line.
- If the welder helper is required to go inside the pipe for the purpose of brushing, buffing and grinding the weld, they shall receive a wage rate \$1.00 per hour above the regular helper rate for the days involved.
- Welders working on "hot work" shall be paid \$2.00 per hour above the regular rate for each day engaged in such work. "Hot work" is defined as work on lines in service where there is the danger of fire or explosion.

The regular workday shall be 8 hours, between 8:00 AM and 4:30 PM.

OVERTIME:

Hours in excess of 8 per day, and all hours on Sundays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on holidays shall be paid at double the regular rate, inclusive of benefits.

RECOGNIZED HOLIDAYS: New Year's Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

**Effective Dates:**

**06/08/2018**

Rate	Fringe	Total
54.61	29.59	84.20

**CLASSIFICATIONS:**

Pipeline Journeyman Welder

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

PIPELINE - MAINLINE TRANSMISSION      Rates Expiration Date : 06/03/2019

**Effective Dates:**

**06/08/2018**

Rate	Fringe	Total
54.61	29.59	84.20

**CLASSIFICATIONS:**

Pipeline Journeyman

**Effective Dates:**

**06/08/2018**

Rate	Fringe	Total
33.55	20.42	53.97

**CLASSIFICATIONS:**

Pipeline Helper

**PIPELINE - GAS DISTRIBUTION**      **Rates Expiration Date : 10/31/2020**

These rates apply to the following: welding on gas line distribution systems (that portion of the gas distribution system placed in streets, roads, subways, tunnels, viaducts, highways and easements which serves the users of gas).

**SHIFT DIFFERENTIALS:**

An "irregular" shift may start any time from 5:00 PM to 12:00 AM, Monday through Friday, and shall receive an additional 15% of the regular rate per hour, inclusive of benefits.

**OVERTIME:**

Hours in excess of forty per week, and all hours on Saturdays shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the regular rate, inclusive of benefits.

**RECOGNIZED HOLIDAYS:** New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day. Sunday holidays observed the following Monday.

**Effective Dates:**

<b>11/01/2018</b>			<b>11/01/2019</b>
Rate	Fringe	Total	Total
60.00	23.73	83.73	86.23

**CLASSIFICATIONS:**

Pipeline Journeyman Welder

**Effective Dates:**

<b>11/01/2018</b>			<b>11/01/2019</b>
Rate	Fringe	Total	Total
60.00	23.73	83.73	86.23

**CLASSIFICATIONS:**

Pipeline Journeyman

**Effective Dates:**

<b>11/01/2018</b>			<b>11/01/2019</b>
Rate	Fringe	Total	Total
38.46	17.54	56.00	57.67

**CLASSIFICATIONS:**

Pipeline Helper

**ASPHALT LABORERS- NORTH**    **Rates Expiration Date : 02/28/2021**

THESE RATES APPLY IN THE FOLLOWING COUNTIES ONLY:

Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Passaic, Somerset, Sussex, Union, Warren

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
42.25	30.28	72.53	75.28	77.78

**CLASSIFICATIONS:**

Asphalt Foreman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.95	30.28	71.23	73.98	76.48

**CLASSIFICATIONS:**

Asphalt Screedman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.70	30.28	70.98	73.73	76.23

**CLASSIFICATIONS:**

Asphalt Raker or Lute Man

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

ASPHALT LABORERS- NORTH      Rates Expiration Date : 02/28/2021

Effective Dates:

09/01/2018			03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
40.00	30.28	70.28	73.03	75.53

**CLASSIFICATIONS:**

Asphalt Laborer

**ELECTRICIAN- UTILITY WORK (NORTH)**     **Rates Expiration Date : 11/30/2021**

Electrician-Utility Work (North)

(For apprentice rates refer to Electrician-Utility Work (North) in any county rate package).

These rates apply to work contracted for by the following utility companies:

Public Service Electric & Gas Co. of NJ, GPU Energy, Borough of Madison Electric Department, Sussex Rural Electric Cooperative, Rockland Utilities, and Butler Municipal Electric Co.

These rates do not apply to work on substations or switching stations.

For Utility work contracted for by a utility company other than those listed above or those listed under "Electrician-Utility Work (South), see the "Outside Commercial Rates" for the county in which the jobsite is located.

\* FOR OUTSIDE COMMERCIAL RATES PLEASE SEE COUNTY RATES

The regular workday is 8 hours, between 6:00 AM and 6:00 PM.

FOR EMERGENCY WORK ONLY: (emergency work is defined as work caused by storm, catastrophe, act of god, and circumstances beyond the control of the employer)-all hours of work shall be paid at double the hourly rate.

SHIFT DIFFERENTIALS:

Shift work must run for a minimum of 5 consecutive workdays.

2nd shift (between the hours of 4:30 PM and 1:00 AM): 8 hours of work + 17.3% of the regular rate, inclusive of benefits.

3rd shift (between the hours of 12:30 AM and 9:00 AM): 8 hours of work + 31.4% of the regular rate per hour, inclusive of benefits.

OVERTIME:

Hours in excess of 8 per day, or before or after the regular workday Monday through Friday, that is not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate, inclusive of benefits. All hours on Sundays and holidays shall be paid at double the hourly rate, inclusive of benefits.

Four 10-hour days may worked, at straight time, between 7:00 AM and 6:30 PM, Monday through Thursday.

RECOGNIZED HOLIDAYS:

New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day and Christmas Day, or day on which they are legally observed.

**Effective Dates:**

	12/05/2017		12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
53.70	35.97	89.67	92.06	94.45	96.84

**CLASSIFICATIONS:**

Chief Lineman

**Effective Dates:**

	12/05/2017		12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
50.66	33.94	84.60	86.85	89.11	91.36

**CLASSIFICATIONS:**

Journeyman Lineman

**ELECTRICIAN- UTILITY WORK (NORTH)**      **Rates Expiration Date : 11/30/2021**

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
50.66	33.94	84.60	86.85	89.11	91.36

**CLASSIFICATIONS:**

Special License Operator

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
50.16	33.60	83.76	85.98	88.22	90.44

**CLASSIFICATIONS:**

Transit Man

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
48.64	32.58	81.22	83.38	85.53	87.70

**CLASSIFICATIONS:**

Line Equipment Operator

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
42.56	28.51	71.07	72.96	74.84	76.73

**CLASSIFICATIONS:**

Dynamite Man

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
63.33	42.43	105.76	108.56	111.38	114.19

**CLASSIFICATIONS:**

General Foreman

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
58.26	39.03	97.29	99.88	102.47	105.05

**CLASSIFICATIONS:**

Assistant General Foreman

**ELECTRICIAN- UTILITY WORK (NORTH)**      **Rates Expiration Date : 11/30/2021**

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
56.74	38.01	94.75	97.27	99.79	102.32

**CLASSIFICATIONS:**

Line Foreman

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
41.04	27.49	68.53	70.35	72.17	73.99

**CLASSIFICATIONS:**

Street Light Mechanical Leader

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
39.01	26.13	65.14	66.88	68.62	70.34

**CLASSIFICATIONS:**

Groundman Winch Operator

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
39.01	26.13	65.14	66.88	68.62	70.34

**CLASSIFICATIONS:**

Groundman Truck Operator

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
38.51	25.80	64.31	66.01	67.71	69.43

**CLASSIFICATIONS:**

Street Light Mechanic

**Effective Dates:**

12/05/2017			12/02/2018	12/01/2019	11/29/2020
Rate	Fringe	Total	Total	Total	Total
38.51	25.80	64.31	66.01	67.71	69.43

**CLASSIFICATIONS:**

Line Equipment Mechanic



**ELECTRICIAN- UTILITY WORK (NORTH)**      **Rates Expiration Date : 11/30/2021**

**Effective Dates:**

<b>12/05/2017</b>			<b>12/02/2018</b>	<b>12/01/2019</b>	<b>11/29/2020</b>
Rate	Fringe	Total	Total	Total	Total
32.93	22.06	54.99	56.46	57.91	59.38

**CLASSIFICATIONS:**

Groundman 2nd Year

**Effective Dates:**

<b>12/05/2017</b>			<b>12/02/2018</b>	<b>12/01/2019</b>	<b>11/29/2020</b>
Rate	Fringe	Total	Total	Total	Total
30.40	20.36	50.76	52.12	53.47	54.80

**CLASSIFICATIONS:**

Groundman 1st Year

**Effective Dates:**

<b>12/05/2017</b>			<b>12/02/2018</b>	<b>12/01/2019</b>	<b>11/29/2020</b>
Rate	Fringe	Total	Total	Total	Total
50.16	33.60	83.76	85.98	88.22	90.44

**CLASSIFICATIONS:**

Line Equipment Foreman

**ELECTRICIAN- UTILITY WORK (SOUTH)**    **Rates Expiration Date : 12/04/2021**

Electrician-Utility Work (South)

(For apprentice rates refer to Electrician-Utility Work (South) in any county rate package).

These rates apply to work contracted for by the following utility company:

Atlantic City Electric.

These rates do not apply to work on substations or switching stations.

For utility work contracted for by a utility company other than the one listed above or those listed under "Electrician-Utility Work (North), see the "Outside Commercial Rates" for the county in which the jobsite is located.

\* FOR OUTSIDE COMMERCIAL RATES PLEASE SEE COUNTY RATES

The regular workday is 8 hours, between 7:00 AM and 4:30 PM.

FOR EMERGENCY WORK ONLY: (emergency work is defined as work caused by storm, catastrophe, act of god, and circumstances beyond the control of the employer)- all hours of work shall be paid at double the hourly rate.

**SHIFT DIFFERENTIALS:**

Shift work must run for a minimum of 5 consecutive workdays.

When two (2) or three (3) shifts are worked the following shall apply:

1st shift (between the hours of 8:00 AM and 4:30 PM)

2nd shift (between the hours of 4:30 PM and 12:30 AM): 8 hours of work + 10% of the regular rate of pay for 7.5 hours worked.

3rd shift (between the hours of 12:30 AM and 8:00 AM): 8 hours of work + 15% of the regular rate of pay for 7 hours worked.

**OVERTIME:**

Hours in excess of 8 per day, or before or after the regular workday Monday through Friday, that is not shift work, and all hours on Saturday shall be paid at time and one-half the regular rate. All hours on Sundays and Holidays shall be paid double the hourly rate.

Four 10-hour days may be worked, at straight time, between 6:00 AM and 6:00 PM, Monday through Thursday with Friday used as a make-up day.

**RECOGNIZED HOLIDAYS:**

New Year's Day, Memorial Day, July 4th, Labor Day, Veterans' Day, Thanksgiving Day and Christmas Day or on days celebrated.

**WORKING RULES:**

There shall be a Foreman in charge of each work crew. No crews are to exceed twelve (12) men, including Foremen.

There shall be a General Foreman designated for transmission work when three (3) or more crews are on the same job and for distribution work where there are more than twenty (20) employees on site.

A small job crew shall consist of five (5) or less employees, one (1) of the Journeyman Linemen in the crew shall be designated as a Small Job Foreman.

Work performed from ladders and/or mechanical lift equipment shall be the work of Linemen and/or Apprentices.

On new construction, fitting and framing poles, towers or structures may be done by Journeymen and/or Apprentices. Groundmen may assist, but may not perform any work which would be performed by Linemen if assembled in the air.

There shall be a Journeyman Lineman in each pole setting, erection, grounding, wire and cable-pulling crew of more than three (3) men.

**Effective Dates:**

	12/03/2017		12/02/2018
Rate	Fringe	Total	Total
60.25	46.05	106.30	108.91

**CLASSIFICATIONS:**

General Foreman

**ELECTRICIAN- UTILITY WORK (SOUTH)**      **Rates Expiration Date : 12/04/2021**

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
53.66	42.21	95.87	98.33

**CLASSIFICATIONS:**

Foreman

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
50.84	40.58	91.42	93.79

**CLASSIFICATIONS:**

Small Job Foreman

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
47.07	38.39	85.46	87.73

**CLASSIFICATIONS:**

Heavy Equipment Operator

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
47.07	38.39	85.46	87.73

**CLASSIFICATIONS:**

Cable Splicer

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
47.07	38.39	85.46	87.73

**CLASSIFICATIONS:**

Journeyman Lineman

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
47.07	38.39	85.46	87.73

**CLASSIFICATIONS:**

Journeyman Welder

**ELECTRICIAN- UTILITY WORK (SOUTH)**      **Rates Expiration Date : 12/04/2021**

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
47.07	38.39	85.46	87.73

**CLASSIFICATIONS:**

Journeyman Painter

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
37.66	32.92	70.58	72.59

**CLASSIFICATIONS:**

Light Equipment Operator

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
32.95	30.18	63.13	65.02

**CLASSIFICATIONS:**

Groundman Truck Driver

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
30.60	28.82	59.42	61.22

**CLASSIFICATIONS:**

Groundman 3rd Year

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
28.24	27.44	55.68	57.44

**CLASSIFICATIONS:**

Groundman 2nd Year

**Effective Dates:**

<b>12/03/2017</b>			<b>12/02/2018</b>
Rate	Fringe	Total	Total
25.89	26.08	51.97	53.66

**CLASSIFICATIONS:**

Groundman 1st Year

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

ELECTRICIAN- UTILITY WORK (SOUTH)      Rates Expiration Date : 12/04/2021

**Effective Dates:**

12/03/2017			12/02/2018
Rate	Fringe	Total	Total
20.71	23.07	43.78	45.33

**CLASSIFICATIONS:**

Flagman

HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS      Rates Expiration Date : 02/28/2021

\*\*THESE RATES APPLY TO CONSTRUCTION ON NEW TRANS HUDSON TUNNELS ONLY\*\*

{For apprentice rates refer to "Laborer - Heavy & General" apprentice rates in any county rate package}

The regular workday consists of 8 hours, starting at 7:00 AM or 8:00 AM.

**SHIFT DIFFERENTIALS:**

- Shifts must start at 3:00 PM, 4:00 PM, 12:00 AM, or 1:00 AM, to be considered shift work, except when the project owner mandates special hours of work in the job specifications, in which case those hours may be considered shift work.
- When such hours are mandated by the project owner, a shift that begins before midnight on Friday and ends on Saturday morning, or that begins at or after 8:00 PM on Sunday and ends on Monday morning may be paid at the shift differential rate.
- Shifts shall receive an additional \$3.00 per hour.

**OVERTIME:**

- Hours in excess of 8 per day, Monday through Friday, or outside of the regular workday that are not shift work, and all hours on Saturdays, shall be paid at time and one-half the hourly rate. All hours on Sundays and holidays shall be paid at double the hourly rate.
- Four 10-hour days may be worked, Monday through Thursday, at straight time, with Friday used as a make-up day for a day lost to inclement weather. If Friday is not a make-up day, all hours on Friday shall be paid at time and one-half the hourly rate.

**RECOGNIZED HOLIDAYS:** New Year's Day, Presidents' Day, Memorial Day, July 4th, Labor Day, Presidential Election Day, Veterans' Day, Thanksgiving Day, Christmas Day. Sunday holidays observed the following Monday. Veterans Day may be substituted for the day after Thanksgiving. However, in the trading of Veterans Day for the day after Thanksgiving, if overtime is worked on Veterans Day, it shall be paid at double the hourly rate.

**Hazardous Waste Work:**

- where Level A, B, or C protection is required: + \$3.00/hr
- other Hazardous Waste site: + \$1.00/hr

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
64.13	30.28	94.41	97.91	101.16

**CLASSIFICATIONS:**

Walking Boss & Superintendent

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
63.68	30.28	93.96	97.46	100.71

**CLASSIFICATIONS:**

Heading Foreman, Shaft Foreman, Rod Foreman, Electrical Foreman, Rigging Foreman

**HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS**      **Rates Expiration Date : 02/28/2021**

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
62.93	30.28	93.21	96.71	99.96

**CLASSIFICATIONS:**

Iron Foreman, Caulking Foreman, Form Foreman, Cement Finishing Foreman, Concrete Foreman, Track Foreman, Clean-up Foreman, Grout Foreman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
66.68	30.28	96.96	100.46	103.71

**CLASSIFICATIONS:**

Blaster

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
62.10	30.28	92.38	95.88	99.13

**CLASSIFICATIONS:**

Top Labor Foreman

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
61.58	30.28	91.86	95.36	98.61

**CLASSIFICATIONS:**

Skilled Men (including Caulker, Powder Carrier, all other skilled men)

Skilled Men (including Miner, Drill Runner, Iron Man, Conveyor Man, Maintenance Man, Safety Miner, Rigger, Block Layer, Cement Finisher, Rod Man)

**Effective Dates:**

	09/01/2018		03/01/2019	03/01/2020
Rate	Fringe	Total	Total	Total
61.35	30.28	91.63	95.13	98.38

**CLASSIFICATIONS:**

Semi-Skilled Men (including Bell or Signal Man top or bottom, Form Worker & Mover, Concrete Worker, Shaft Man, Tunnel Laborer, Caulker's Helper, all other semi-skilled)

Semi-Skilled Men (including Miner's Helper, Chuck Tender, Track Man, Nipper, Brake Man, Derail Man, Cable Man, Hose Man, Gravel Man, Form Man)

TERRITORY  
ENTIRE STATE

NEW JERSEY DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
PREVAILING WAGE RATE DETERMINATION

HEAVY & GENERAL LABORERS- NEW TRANS HUDSON TUNNELS      Rates Expiration Date : 02/28/2021

**Effective Dates:**

<b>09/01/2018</b>			<b>03/01/2019</b>	<b>03/01/2020</b>
Rate	Fringe	Total	Total	Total
60.75	30.28	91.03	94.53	97.78

**CLASSIFICATIONS:**

All others (including Powder Watchman, Change House Attendant, Top Laborer, Job Steward)



# **TECHNICAL SPECIFICATIONS**

# DIVISION 100 – GENERAL PROVISIONS

## SECTION 101 – GENERAL INFORMATION

### 101.03 TERMS

THE FOLLOWING IS ADDED TO THE FIRST SENTENCE OF THIS SECTION:

It is the intent of these amendments to the terms to change all reference to the State of New Jersey (and various Departments and offices thereof) to the County of Union except in those circumstances where the State has jurisdiction.

THE FOLLOWING TERMS ARE CHANGED.

#### **Completion.**

(3) IS CHANGED TO:

3. the Contractor has satisfactorily executed and delivered to the RE all documents, including federal form FHWA47 “Contractor’s Statement of Materials and Labor” according to 23CFR 635, certifications, and proofs of compliance required by the Contract Documents, it being understood that the satisfactory execution and delivery of documents, certificates, and proofs of compliance is a requirement of the Contract.

**Contract Time.** The number of days allowed to complete the work for a milestone or the number of working days allowed to complete the work for a milestone, or the date by which work must be completed, as provided in the Contract and as modified by Change Order. When Interim Completion and Completion requirements are specified as a specific date instead of the number of days or working days, achieve Interim Completion or Completion on or before that date. See Page 10 for allowable Contract Time.

**holiday.** A legal holiday as recognized by the County of Union.

**pavement structure.** The combination of pavement, base courses, and when specified, a subbase course, placed on a subgrade to support the traffic load and distribute it to the roadbed (see Figure 101-1). These various courses are defined as follows:

1. **pavement.** One or more layers of specified material of designed thickness at the top of the pavement structure.
2. **base course.** One or more layers of specified material of designed thickness placed on the subgrade or subbase.
3. **subbase.** One or more layers of specified material of designed thickness placed on the subgrade.

#### **Plans.**

THE SECOND SENTENCE IS CHANGED TO:

This includes the latest version of the Standard Details in effect at the time of advertisement.

#### **Project Limits.**

The areas of construction operations and areas used by the Contractor to perform the work. If only a portion of a lane or shoulder of a road is being constructed, the Project Limits include all lanes and shoulders of the roadway. Where only one direction of a road is being constructed, and the road is divided by a median, island, or barrier curb, the Project Limits include all of the lanes in that direction and the median. Otherwise, the Project Limits include all lanes in both directions.

The longitudinal Project Limits include all safety devices and signs excluding signs greater than 1600 feet outside the Project Limits.

Areas within the R.O.W. provided for Contractor’s use.

THE FOLLOWING TERMS ARE ADDED:

**notice to proceed.** Form submitted by Owner authorizing Contractor to proceed with the Work under the Contract.

**101.04 INQUIRIES REGARDING THE PROJECT**

THE TEXT OF THIS SUBSECTION IS CHANGED TO:

Submit inquiries regarding discrepancies, errors, or omissions, or concerns regarding the intent or meaning of the Contract to the Owner as follows:

1. Before Award of Contract. Submit inquiries by e-mail or by separate letter directly to the County Engineer, Thomas Mineo, Union County Department of Engineering, Public Works & Facilities, 2325 South Avenue, Scotch Plains, NJ 07076, (908) 789-3675, [tmineo@ucnj.org](mailto:tmineo@ucnj.org).

Include the following in each inquiry:

1. Name of bidder.
2. Telephone Number, fax number, e-mail address, and contact person.
3. Specifics of the inquiry, including anticipated results.

The County will investigate the information provided in the inquiry and, if the County determines that a change or response is necessary, the County will issue an addendum. Requests for postponement of bids will not receive a response. The County will issue an addendum postponing bids if warranted.

2. After Award of Contract. Submit inquiries to the County representative identified at the preconstruction meeting with a copy to the County Engineer.

## **SECTION 102 – BIDDING REQUIREMENTS AND CONDITIONS**

### **102.01 QUALIFICATION TO BID**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.02 BIDDER REGISTRATION AND DOWNLOADING OF THE PROPOSAL DOCUMENTS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.03 REVISIONS BEFORE SUBMITTING A BID**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.04 EXAMINATION OF CONTRACT AND PROJECT LIMITS**

#### **1. Evaluation of Subsurface and Surface Conditions.**

THE FIRST PARAGRAPH IS CHANGED TO:

The Bidder may inspect the records of the County's subsurface investigation, if available. This investigation is not a substitute for the Bidder's own evaluation or judgment in preparing a bid. The Bidder should not rely on any estimates or quantities included in these investigations. The conditions indicated by such investigations or records thereof, and as shown by the cross-sections in the Plans may not be representative of those existing throughout such areas. The Bidder may encounter materials other than, or in proportions different from, those indicated.

#### **2. Utility Agreements.**

THE ENTIRE TEXT IS CHANGED TO:

In addition to what is specified in 105.07, the Bidder may inspect or request, if available, the Utility agreements, modifications, and orders relating to the Contract. The Bidder shall obtain information regarding existing utilities, proposed construction of utilities, or relocation of utilities through the respective Utility.

#### **3. Existing Plans and As-Built.**

THE ENTIRE TEXT IS CHANGED TO:

The Bidder may inspect as-built plans, if available, of County owned facilities upon written request. The Bidder shall obtain plans of Municipality owned facilities through the Municipality. The Bidder shall verify information obtained from the existing documents with respect to its application to bidding and performing the Contract.

### **102.07 PREPARATION OF THE BID**

THE TEXT OF THE FIRST, THIRD, FOURTH AND FIFTH PARAGRAPHS IS DELETED.

### **102.09 PROPOSAL BOND**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.10 SUBMISSION OF BIDS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.11 WITHDRAWAL OF BIDS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **102.16 REJECTION OF ALL BIDS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

## **SECTION 103 – AWARD AND EXECUTION OF CONTRACT**

### **103.01 AWARD OF CONTRACT**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.02 CANCELLATION OF AWARD**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.03 RELEASE OF PROPOSAL BOND**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.04 EXECUTION OF THE CONTRACT**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.05 ESCROW OF BID DOCUMENTS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.06 FAILURE TO EXECUTE CONTRACT**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **103.07 ACQUISITION OF DOCUMENTS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

## **SECTION 104 – SCOPE OF WORK**

### **104.02 VALUE ENGINEERING**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **104.03 CHANGES TO THE CONTRACT**

#### **104.03.01 Authority To Make Changes**

##### **2. Change Orders**

THE SECOND AND THIRD PARAGRAPHS ARE DELETED.

#### **104.03.03 Types Of Changes**

##### **1. Quantity Increases and Decreases**

THE FIFTH PARAGARPH IS DELETED.

#### **104.03.04 Contractual Notice**

THE SECOND PARAGRAPH IS CHANGED TO:

Immediately provide written notice to the RE of a circumstance that is believed to be a change to the Contract. Include the following in the initial written notice:

1. A statement that this is a notice of a change.
2. The date when the circumstances believed to be a change were discovered.
3. A detailed and specific statement describing the nature and circumstances of the change.
4. If the change will or could affect costs to the Department.
5. If the change will or could affect Contract Time as specified in 108.11.01.C.

In addition to the hard copy of the notice, email the notice to the RE. It is not necessary to attach listed documents to the email.

## **SECTION 105 – CONTROL OF WORK**

### **105.01 AUTHORITY OF THE DEPARTMENT**

#### **105.01.01 RE**

ITEM 1 OF THE SECOND PARAGRAPH IS DELETED.

### **105.02 RESPONSIBILITIES OF THE CONTRACTOR**

#### **105.02.02 Superintendent**

THE FOLLOWING IS ADDED:

The Superintendent shall not be removed from the work or replaced without acceptance by the RE of a satisfactory replacement as Superintendent.

### **105.04 PLANS AND SPECIFICATIONS**

THE FOLLOWING IS ADDED:

Field conditions may require modifications in the plans and quantities of work involved. Work under all pay items must be carried out to meet field conditions to the satisfaction of the RE.

### **105.05 WORKING DRAWINGS**

ALL REFERENCES TO 22" X 36" SHEETS ARE REVISED TO 24" X 36" SHEETS.

THE SECOND PARAGRAPH IS CHANGED TO:

Ensure that working drawing submissions also conform to the NJDOT design manuals and other NJDOT standards for the proposed work. Ensure that working drawings are signed and sealed by a Professional Engineer.

THE SECOND SENTENCE OF THE THIRD PARAGRAPH IS CHANGED TO:

Submit 5 copies of working drawings to the Engineer for review. Provide additional copies for Contractor's use depending on the number of sets to be retained by the Engineer.

THE LAST SENTENCE OF THE SEVENTH PARAGRAPH IS CHANGED TO:

The RE's notations of "No Exception Taken" or "Approved as Noted," does not constitute an approval of any materials noted.

THE EIGHTH PARAGRAPH IS CHANGED TO:

The RE's notations of "No Exception Taken" or "Approved as Noted," on working drawings signifies only that the drawings are in general conformance with the contract. These notations do not relieve the Contractor from responsibility for errors and omissions in the working drawings and their correction.

THE NINTH PARAGRAPH IS CHANGED TO:

Submit working drawings as specified in Table 105.05-1. This list is not all inclusive.

#### **TABLE 105.05-1:**

REVISE THE HEADING OF TABLE 105.05-1 TO WORKING DRAWING SUBMISSIONS.

DELETE THE HEADINGS "CERTIFIED" AND "APPROVED."

ADD THE FOLLOWING:

Concrete Mix Designs

THE TENTH, ELEVENTH, TWELFTH AND THIRTEENTH PARAGRAPHS ARE CHANGED TO:

The following is a list of additional working drawings required for this project:

- Precast Concrete Culvert
- Reinforcing Steel, Galvanized

Each working drawing submitted shall have a unique submission number assigned to it and clearly indicated on each sheet of the working drawings. For working drawings submitted on 24"x 36" sheets, each working drawing sheet shall include a blank space a minimum of 5" in height and 3-1/2" in width for the RE's review stamp. For working drawings submitted on 8 1/2" x 11" sheets (except design calculations), include a blank space a minimum of 5" in height and 3 1/2" in width for the RE's review stamp on the cover sheet.

The RE will require 7 days for review of each submission. The review time shall commence running on the day that the submission is received, except that for any submission received after 12:00 Noon, the review time shall commence running on the following day.

Upon receipt of each submission, the RE will review the submission for conformance with the Contract. The RE may take no exception to the submission, approve the submission as noted with no resubmission required, approve the submission as noted with resubmission required or reject the submission. The RE will sign and stamp the submission as follows:

- "No Exception Taken"
- "Approved as Noted"
- "Note Exception and Confirm in Writing"
- "Revise and Resubmit"
- "Rejected See Remarks"

For submissions that are stamped "No Exception Taken", the RE will retain three (3) sets for record purposes and return the remaining sets to the Contractor. No resubmission is required and the Contractor may proceed with ordering the materials which are the subject of the submission.

For submissions that are stamped "Approved as Noted," the RE will retain three (3) sets for record purposes and return the remaining sets to the Contractor. No resubmission is required. However, incorporate all comments in the production of the materials which are the subject of the submission. This does not relieve the Contractor of the responsibility for assuring that all comments are incorporated into the final product. If inspection reveals that the comments have not been incorporated into the final product, the work will be considered non conforming.

Do not deviate from the working drawings stamped "No Exception Taken" or "Approved as Noted," without obtaining prior written approval from the RE.

Furnish subcontractors and other contractors with accepted working drawings as required.



## 105.07 COOPERATION WITH UTILITIES

### 105.07.01 Working in the Vicinity of Utilities

#### A. Initial Notice

THE FIRST SENTENCE IS CHANGED TO:

Provide preliminary notice, in writing, to the utilities four (4) weeks before it is anticipated construction operations will commence. This notice may have to be provided in advance of any preconstruction meeting for the project. Follow up with subsequent written notice one (1) week before construction operations will commence. Provide copies of all correspondence to the County.

### 105.07.02 Work Performed by Utilities

THE FOLLOWING IS ADDED:

The following is a list of the work to be performed by each utility on the project:

#### New Jersey American Water

The attention of the Contractor is called to presence of existing 6" diameter CIP water main and 20" diameter DIP water main at the project site, which are assumed to cross the stream under the stream bed. Water mains shall remain in place and shall be protected during construction. The Contractor shall perform test pits to verify location of the existing pipes and submit the measurement to the Engineer. **If the existing pipes are found to be in conflict with the proposed precast culvert, the Contractor shall notify the Engineer immediately.**

#### PSE&G (Gas)

The attention of the Contractor is called to presence of existing 12" diameter steel gas main and the syphon at the project site. The gas main is assumed to cross the stream under the stream bed. The syphon is located east of the culvert, and was recently paved over. The gas main and syphon shall remain in place and shall be protected during construction. The Contractor shall perform test pits to verify location of the existing pipe and submit the measurement to the Engineer. **If the existing pipe is found to be in conflict with the proposed precast culvert, the Contractor shall notify the Engineer immediately.**

#### Township of Berkeley Heights (Sewer)

The attention of the Contractor is called to presence of existing sanitary manhole in front of the northeast driveway, and 8" clay line running from this manhole towards the house. The sewer line and manhole shall remain in place and shall be protected during construction. The Contractor shall coordinate with the Utility all construction activities in the vicinity of the sewer line.

#### Verizon (Telephone)

The attention of the Contractor is called to presence of existing overhead lines on utility poles at the project site. The Contractor shall coordinate with the Utility all construction activities in the vicinity of the telephone lines.

#### JCP&L (Electric)

The attention of the Contractor is called to presence of existing high voltage overhead lines on utility poles at the project site. **The lines cannot be de-energized or re-routed during construction.** The Contractor shall coordinate with the Utility all construction activities in the vicinity of the power lines.

#### Comcast (Cable)

The attention of the Contractor is called to presence of existing coax cable lines on utility poles at the project site. The Contractor shall coordinate with the Utility all construction activities in the vicinity of the cable lines.

Bidders are advised to verify the above information as its accuracy and completeness is not guaranteed by the department. The contractor shall contact the New Jersey one call system at least three (3) full days before digging or completing any other work which may impact the utilities.

This project is designed to be constructed under the live electric and other utility facilities. The cost of removal, relocation, de-energization or replacement of utility structures or facilities, which is deemed non-essential by the RE for

carrying out the project, but is performed for the Contractor's convenience, shall be entirely the responsibility of the Contractor. Delays in the completion of work caused by the Contractor's inability to perform/complete the work under active/live utility wires/cables will be solely the responsibility of the Contractor, and liquidated damages will be assessed as elsewhere specified herein.

Valve box covers, which are either indicated on the construction plans or which are discovered during construction, shall be reset or relocated by the Contractor to the correct proposed elevation. All costs for this work shall be included in the lump sum price bid for the item entitled "Clearing Site, Structure".

It shall be the responsibility of the Contractor to arrange for all utility work essential for the completion of the project and to coordinate the work carried out by the public utilities with his own work. The contractor shall cooperate with the utility company in the removal, relocation and replacement of utilities. Locations of relocated utilities shall be verified with the respective utility companies. Wherever underground utilities are encountered, the contractor shall take special precautions to prevent breakage and interruption of service.

No separate payment will be made for coordination with the utility companies and all costs thereof shall be included in the bid prices for the various items in this contract.

The Contractor shall notify all utility companies at least one (1) week prior digging the test pits.

*Contacts:*

New Jersey American Water (Water)

Ken Taylor (973) 564-5713  
Brian Weber (973) 564-5739  
167 JFK Parkway  
Short Hills, NJ 07078

PSE&G (Gas)

Chris Forte (908) 522-7424  
48 Middle Ave.  
Summit, New Jersey 07901

Verizon (Telephone)

David McSherry (973) 422-5124  
290 West Mount Pleasant Ave.  
Floor G, Bldg 4  
Livingston, NJ 07039

Comcast (Cable)

Robert Knoepfel (732) 604-7444 Ext. 6202293  
800 Rahway Ave. Bldg. D  
Union, NJ 07083

JCP&L (Electric)

Buxter Turley (973) 401-8143  
PO Box 1911  
300 Madison Ave  
Morristown NJ 07962

Township of Berkeley Heights WWTP (Sewer)

Thomas McAndrew (908) 464-5700  
29 Snyder Avenue  
Berkeley Heights, NJ 07922

**105.10 USE OF EXPLOSIVES**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED. EXPLOSIVES WILL NOT BE PERMITTED ON THIS PROJECT.

## **SECTION 106 – CONTROL OF MATERIAL**

### **106.01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS**

THE FOLLOWING IS ADDED:

Do not purchase or permit any subcontractor to purchase materials or supplies for the work which are subject to any chattel mortgage or under a conditional sale or other agreement by which an interest is retained by the seller. The Contractor warrants that he has good title to all materials and supplies used by him in the work.

Nothing in these Special Provisions or in the Contract shall be considered as vesting in the Contractor any right or property in the materials used after they shall have been attached or affixed to the work or the soil, but all such materials shall upon being so attached or affixed become the property of the Owner.

Use only products and supplies listed on the QPL.

### **106.02 DEPARTMENT-FURNISHED MATERIAL**

THE ENTIRE SUBSECTION TEXT IS DELETED.

### **106.05 MATERIALS, INSPECTIONS, TESTS, AND SAMPLES**

THE THIRD PARAGRAPH IS DELETED.

### **106.07 CERTIFICATION OF COMPLIANCE**

THE FOLLOWING IS ADDED:

If the RE orders sampling and analysis or tests of materials which are usually accepted on certification of the manufacturer but which appear defective or not conforming to the requirements of the Specifications, the County shall bear the reasonable costs of sampling, transportation, testing, and analysis of the material if it is found to be sound and in conformance with the Specifications. Otherwise, the Contractor shall bear all such costs if the material is found to be defective or not in conformance with the Specifications.

## SECTION 107 – LEGAL RELATIONS

### 107.01 LEGAL JURISDICTION

#### 107.01.02 Permits, Licenses, and Approvals

THE FOLLOWING IS ADDED:

Obtain the approval and acceptance of work that is to meet the requirements of persons, municipalities or bodies other than the County.

Apply for a permit to use water from hydrants or other outlets, and the use of water shall be subject to the charges, rules, and regulations of the Utility Owner.

#### 107.01.03 Sovereign Immunity

THIS ENTIRE SUBSECTION TEXT IS DELETED. HOWEVER, THE DELETION OF THIS SUBSECTION IS NOT TO BE CONSTRUED AS ANY WAIVER OF THE COUNTY’S RIGHTS TO SOVEREIGN IMMUNITY.

### 107.03 AFFIRMATIVE ACTION, DISADVANTAGED BUSINESS ENTERPRISES, OR EMERGING SMALL BUSINESS ENTERPRISE

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.04 NEW JERSEY CONTRACTUAL LIABILITY ACT

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.05 LIMITATION OF LIABILITY

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.06 PERSONAL LIABILITY OF PUBLIC OFFICIALS

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.09 INDEPENDENT CONTRACTOR

THE SECOND SENTENCE IS CHANGED TO:

It shall neither hold itself out as, nor claim to be, an officer or employee of the Department by reason hereof.

### 107.10 NON-THIRD PARTY BENEFICIARY CLAUSE

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.11 RISKS ASSUMED BY THE CONTRACTOR

#### Risks of Loss or Damage to the Construction.

THE FOLLOWING IS ADDED:

Except as provided otherwise herein, the liability of the Contractor hereunder for all injuries or damages to persons or to property is absolute and is not dependent upon any question or negligence on his part or on the part of his agents, servants or employees, and neither the approval of the RE of the methods of doing the work nor the failure of the RE to call attention to improper or inadequate methods or to require a change in methods, nor the neglect of the RE to direct the Contractor to take any particular precautions or to refrain from doing any particular task, shall excuse the Contractor in case of any such injury to persons or damages to persons or property.

The whole, or so much of the monies due under and by virtue of the Contract, as shall be considered necessary by the Owner may, at its option, be retained by the Owner until all suits or claims or demands for damages shall have been settled and evidence to that effect furnished to the satisfaction of the Owner.

### 107.12 THE CLAIMS RESOLUTION PROCESS

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### 107.13 LITIGATION OF CLAIMS BY THE CONTRACTOR

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

## **SECTION 108 – PROSECUTION AND COMPLETION**

### **108.01 SUBCONTRACTING**

THE FIRST AND SECOND PARAGRAPHS ARE DELETED.

### **108.02 COMMENCEMENT OF WORK**

THE SUBPART 4 IN THE FIRST PARAGRAPH IS CHANGED TO:

4. Progress schedule as specified in 153.03

ALL REFERENCES TO EXECUTION OF CONTRACT ARE CHANGED TO NOTICE TO PROCEED.

### **108.04 WORK SITE AND STORAGE**

THE FOLLOWING IS ADDED:

Provide the RE a copy of any lease for the use of private property.

Upon completion of all work and prior to the release of final retainage, provide the RE a copy of a letter of release from the property owner stating that the site has been restored in a satisfactory manner.

### **108.10 CONTRACT TIME**

Strict conformance with the project schedule is of critical importance to completing the project on time and restoring vehicular access to Mountain Avenue. The Contractor will be required to comply with the following timing restrictions:

- Anticipated Award/ Notice to Proceed: April 2019;
- The Contractor shall complete all preparatory work, utility coordination, shop drawings, set up detour signs, fabrication, and any other work that will not hinder traffic flow on Mountain Avenue, and have materials on site prior to June 20, 2019;
- Mountain Avenue can only be closed (with a detour in place per plans) from June 20, 2019 to August 20, 2019 (total of 60 days); the Contractor must perform all culvert replacement work, wingwalls, headwalls, approaches, etc. during this time;
- The Contractor must open Mountain Avenue to two-way traffic by August 21, 2019; the Contractor may still perform work on sidewalks, etc. after this date as long as the Contractor provides temporary barriers and does not hinder full two-way traffic;
- The Contractor shall substantially complete construction by September 20, 2019.

### **108.11 MODIFICATIONS TO CONTRACT**

#### **108.11.01 Extensions to Contract Time**

##### **B. Types of Delays.**

##### **2. Excusable, Non-Compensable Delays.**

THE LAST PARAGRAPH IS CHANGED TO:

If approved excusable, non-compensable delays exceed a total of 90 days, the time in excess of 90 days will become excusable and compensable as specified in 108.11.01.B.3.

##### **C. Submitting Time Impact Evaluation.**

THE FIRST PARAGRAPH IS CHANGED TO:

If an excusable delay occurs, notify the RE, as specified in 104.03.04, detailing how the event or cause is affecting the approved progress schedule that is current at the time the delay occurred. When the full extent of the impact on the approved progress schedule can be determined, submit a request for an extension of Contract Time to the RE. Clearly identify how each change or delay is represented by an activity or group of activities.

**108.12 RIGHT-OF-WAY RESTRICTIONS**

THE FOLLOWING IS ADDED:

Make no claim for delays by reason that entry upon an Easement or right which is lesser than a fee interest is conditioned upon notice or is limited in duration. Schedule work accordingly and take such limitations into account when planning performance of the work.

Temporary Easements and/or temporary construction rights will in most cases contain a limitation as to the length of time that they are extant. Schedule the Work pursuant to Section 153 so as to accommodate the particular time limitations of an Easement or right which is lesser than a fee interest as reflected on the R.O.W. plans. Provide a written request to the RE that the County procure an extension from the owner of a particular temporary easement or right, which is lesser than a fee simple interest, so as to enable the Contractor to continue occupancy of or re-enter same in the future, beyond the initial time period set forth in the respective property description prior to the expiration thereof.

Where the Contractor fails to complete the work within an area of a temporary easement or right lesser than a fee interest during the time allowed under the property description, by reason of the Contractor's own fault; reimburse the County for the sum payable to the owner of the underlying fee interest for the extended period of occupancy use. The RE may deduct an amount equal to such payments from the monthly estimate of the Work performed after providing 30 day written notice to the Contractor of such action, including a breakdown of the costs sought or to be sought by reason of the delay in timely vacating a temporary easement or right lesser than a fee interest.

The following is a list of all rights-of-way that have not been secured and their approximate anticipated dates of availability:

Properties and Vacation/Availability Dates

All properties are acquired.

**108.14 DEFAULT AND TERMINATION OF CONTRACTOR'S RIGHT TO PROCEED**

LIST (1) OF THE FIRST PARAGRAPH IS CHANGED TO:

1. Fails to begin construction operations within 30 days of receiving notice to proceed.

**108.19 COMPLETION AND ACCEPTANCE**

THE FIRST, SECOND AND THIRD PARAGRAPHS ARE DELETED.

THE FOLLOWING IS ADDED:

No Incentive Payment for Early Completion is specified for this project.

## **SECTION 109 – MEASUREMENT AND PAYMENT**

### **109.01 MEASUREMENTS OF QUANTITIES**

THE SECOND AND EIGHTH (LAST) PARAGRAPHS ARE DELETED. ALL QUANTITIES WILL BE MEASURED.

### **109.02 SCOPE OF PAYMENT**

THE THIRD SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The Department will not make additional or separate payment for work or portion of work unless specifically provided for in the “Measurement and Payment” Subsection.

### **109.05 ESTIMATES**

THE EIGHTH AND NINTH PARAGRAPHS ARE DELETED.

## **DIVISION 150 – CONTRACT REQUIREMENTS**

### **SECTION 151 – PERFORMANCE BOND AND PAYMENT BOND**

#### **151.01 DESCRIPTION**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

#### **151.02 MATERIALS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

#### **151.03 PROCEDURE**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

#### **151.04 MEASUREMENT AND PAYMENT**

THE TEXT OF THIS SUBSECTION IS CHANGED TO:

There will be no separate payment for performance bond and payment bond, distribute all costs among the other items in the proposal.



## **SECTION 152 – INSURANCE**

### **152.01 DESCRIPTION**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **152.02 MATERIALS**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **152.03 PROCEDURE**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

### **152.04 MEASUREMENT AND PAYMENT**

THE ENTIRE TEXT OF THIS SUBSECTION IS DELETED.

## SECTION 153 – PROGRESS SCHEDULE

### 153.01 DESCRIPTION

THE FOLLOWING IS ADDED:

Submit a CPM Progress Schedule for this project.

### 153.03 PROCEDURE

#### 153.03.01 CPM Progress Schedule

THE FIRST PARAGRAPH IS CHANGED TO:

If required in the Instructions to Bidders, provide a detailed CPM schedule using Primavera or equivalent program.  
ITEM 15 OF THE FIFTH PARAGRAPH IS CHANGED TO:

15. Calculate the CPM schedule in days.

#### 1. Preliminary Schedule Submission

THE SECOND PARAGRAPH IS CHANGED TO:

Submit four (4) paper copies of the preliminary schedule, Gantt Chart, as specified in 153.03.02.2e, and a network diagram (PERT) printed on 36"x 24" sheets detailing the activity relationships.

#### 2. Baseline Schedule Submission

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

Submit four (4) paper copies of the baseline schedule on 36"x24" sheets.

ITEM 3 OF THE SECOND PARAGRAPH IS CHANGED TO:

3. Submit four (4) paper copies of the tabular reports, as specified in 153.03.02.2, and a printed network diagram (PERT) on 36"x 24" sheets detailing the activity relationships.

#### 153.03.02 CPM Progress Schedule Updates

THE FIRST, SECOND AND THIRD PARAGRAPHS ARE CHANGED TO:

The RE will designate the due date for the first schedule update when the baseline schedule is approved. The RE will designate the data date to be used for each schedule update.

Schedule progress review meetings to be held approximately 7 days before the schedule update due date. Prepare activity progress in advance of each meeting. Revise the logic to reflect the actual sequence of work. Do not submit schedules showing work performed out of sequence. Provide the RE with a report detailing actual start and actual finish dates of activities in progress since the previous review meeting. At the progress review meeting, present and review the progress since the previous review meeting for incorporation into the schedule.

Within 3 days from the date of the progress review meeting, submit the schedule update to the RE for approval with the agreed upon changes. Within 3 days, the RE will review the update schedule and approve or reject the submission. If rejected, revise and resubmit the schedule update, within 3 days, to the RE for review and approval. The RE will review the revised schedule update submissions and approve or reject the resubmission with 3 days.

#### 2. Tabular Reports

THE FIRST PARAGRAPH IS CHANGED TO:

Submit three (3) paper copies of the longest path sort, total float sort, responsibility sort, area sort, and Gantt chart. Include the following information for each.

ITEM 7 IS CHANGED TO:

Original activity duration and remaining activity duration in days.

THE LAST PARAGRAPH IS CHANGED TO:

If the project falls behind schedule for non-excusable delays so that the schedule indicates the Work will not be completed by the Completion date as specified in 108.10, take the necessary steps to improve progress. Under such circumstances, the RE may direct the Contractor to increase the number of shifts, begin overtime operations, work extra days including weekends and holidays, and supplement its construction plant. Furthermore the RE may require the Contractor to submit for approval a recovery schedule showing how the Contractor proposes to meet the direct acceleration.

**153.03.03 Bar Chart Progress Schedule and Updates**

**A. Schedule.**

THE FOLLOWING IS ADDED:

If the project falls behind schedule for non-excusable delays so that the schedule indicates that the Work will not be completed by the Completion date as specified in 108.10, take the necessary steps to improve progress. Under such circumstances, the RE may direct the Contractor to increase the number of shifts, begin overtime operations, work extra days including weekends and holidays, and supplement its construction plant. Furthermore, the RE may require the Contractor to submit for approval a recovery schedule showing how the Contractor proposes to meet the directed acceleration.

**B. Updates.**

THE THIRD SENTENCE OF THE FIRST PARAGRAPH IS DELETED.

**153.04 MEASUREMENT AND PAYMENT**

THIS ENTIRE SUBSECTION IS CHANGED TO:

No separate payment will be made for Progress Schedules, distribute all costs among the various items in the proposal.

The RE may withhold progress payments from the Contractor is scheduled updates and/or revisions are not submitted within the timeframes specified.

## SECTION 155 – CONSTRUCTION FIELD OFFICE

### 155.03.01 Field Office

#### 4. Communication Equipment.

- a. **Telephones.** Provide 1 cordless phones with auto-switching.
- c. **Cell Phones.** Provide 0 cellular phones. Ensure the cellular phone plan provides for unlimited mobile to mobile in-network usage, unlimited push-to-talk/ walkie-talkie usage and an anticipated monthly usage of 900 any-time minutes for each phone. Ensure the phones are on the same plan. Ensure the cellular phone plan has a home rate with no roaming charges within the state. Ensure each cellular phone has the following features:
1. Push to Talk / Walkie-Talkie capable .
  2. Camera with 1 megapixel picture capability.
  3. Battery life capable of 180 minutes of continuous use and 72 hours of standby use.
  4. Equipped with a hands-free headset.
  5. Base charger and car charger

d. **Computer System.** Provide a computer system meeting the following requirements:

0 computer configurations each meeting the following:

1. Equipped with an Intel Pentium \_\_\_ processor with Hyper Threading technology having a clock speed of \_\_\_ GHz or faster, \_\_\_ GB RAM, \_\_\_ MB Video RAM, \_\_\_ Gigabyte hard drive designated as drive C, one DVD (+/-) Writer Drive, one CD-R Recordable Drive. Ensure the system is USB 2.0 compatible and has at least two front USB ports.
2. Wireless Ethernet Hub Switch with appropriate number of ports and cables and a print server.
3. High-speed broad band connection and service with a minimum speed of \_\_\_ Megabytes per second (mbps) with dynamic IP address for the duration of the project.
4. 19 inch or larger Flat Screen LCD monitor with tilt/swivel capabilities.
5. \_\_\_ Megabyte or larger Zip Drive internal or external with backup software for MS-Windows and DOS, and fifteen corresponding formatted data cartridges corresponding to the tape drive size.
6. \_\_\_ Flatbed USB version 2.0 or greater Color Scanner with automatic document feed.
7. Uninterruptible power supply (UPS).
8. Surge protector for the entire computer configuration to be used in conjunction with the UPS.
9. \_\_\_ computer workstations, chair, printer stand, and/or table having both appropriate surface and chair height.
10. One can of compressed air and screen cleaning solution every other month of the duration of the contract.

Ensure one computer has a 56K baud data/fax modem. If more than one computer configuration is specified, provide one wireless network card for the base computer configuration and hardwire connections between computer configurations as directed by the RE.

Also provide:

- \_\_\_ USB \_\_\_ GB Flash/Jump memory drives
- \_\_\_ CD-R \_\_\_ MB (or larger) recordable CD's compatible with the CD drive and \_\_\_ recordable DVD's.
- \_\_\_ CD/DVD Holder (each holds 50)

\_\_\_ color laser printers and supplies as follows:

1. HP PCL 5 emulation, with a minimum of 192 Megabytes of expanded memory, printer cable, and legal size paper tray.
2. One set of printer ink cartridges every other month for the duration of the construction project for each printer.

Software as follows:

1. Microsoft Windows, latest version with future upgrades for the duration of the entire project. Ensure 1 computer has a Microsoft Windows 32 Bit Operating System for ACES, Extra and Groupwise.
2. Microsoft Office Professional, latest version.
3. Norton's System Works for Windows, latest version, or compatible software package with future upgrades and latest virus patches.
4. Anti-Virus software, latest version with monthly updates for the duration of the contract.
5. Visio Professional Graphics Software for Windows, latest version
6. Primavera Project Planner, latest version
7. PaperPort, latest version, for Scanner

THE THIRD PARAGRAPH IS CHANGED TO:

When the computer system is no longer required by the RE, the Department will remove and destroy the hard drive, and return the computer system to the Contractor. The Department will retain other data storage media.

**6. Office Equipment.**

2. 0 digital camera(s). Ensure each digital camera has auto-focus, with rechargeable batteries and charger, \_\_\_MB memory card, USB Memory Card Reader compatible with camera and field office computer, 1.5 inch LCD monitor, \_\_\_ mega pixel resolution, \_\_\_X optical zoom lens, built in flash, image stabilization, computer connections, and a carrying case
3. 0 video camcorder(s). Ensure each video camcorder is a mini DVD camcorder with \_\_\_ optical zoom, 2" LCD monitor, USB 2.0 compatible and includes USB 2.0 connections.

**7. Inspection Equipment.**

1. 1 Calculators with trigonometric capability
2. 1 Date/ Received stamp and ink pad
3. 1 Electronic Smart level, 4 foot
4. 1 Carpenter rulers
5. 1 Steel tape, 100 feet
6. 1 Cloth tape, 100 feet
7. 0 Illuminated measuring wheel
8. 1 Plumb bob and cord
9. 1 Line level and cord
10. 1 Surface thermometer
11. 1 Concrete thermometer
12. 0 Digital infrared asphalt thermometer
13. 0 Direct Tension Indicator (DTI) Feeler Gage, 0.005 inch
14. 0 Sledge hammer, 8lb
15. 0 Self leveling laser level with range of 100 feet and an accuracy of ¼ inch per 100 feet
16. 0 Hard hats -orange, reflectorized hard hats according to ANSI Z89.1.
17. 3 Safety garments – orange, reflectorized, 360° high visibility safety garments according to ANSI/ISEA Class 3, Level 2 standards. To be replaced yearly for the duration of the contract.
18. 0 Sets of rain gear with reflective sheeting
19. 0 Sets of hearing protection with a Noise Reduction Rating of 22 dB
20. 0 Sets of eye protection according to ANSI Z87.1

21. 0 Sets of fall arrest equipment according to ANSI Z359.1 standards consisting of a full body harness, lanyard and anchor.
22. 0 Light meter -capable of measuring the level of luminance in foot-candles
23. 1 Lantern flashlight, 6V with monthly battery replacements
24. Testing equipment and apparatus conforming to AASHTO T23, T119, T152

**155.03.03 Telephone Service**

THIS SUBSECTION IS CHANGED TO:

Telephone service consists of monthly charges for telephone and cellular phones provided for the field office and materials field laboratory excluding set up charges.

**155.04 MEASUREMENT AND PAYMENT**

THE THIRD PARAGRAPH IS CHANGED TO:

The Department will make payment for TELEPHONE SERVICE for the actual costs of the charges as evidenced by paid bills submitted within 60 days of receipt from the service provider for telephone and cell phones.

**SECTION 156 – MATERIALS FIELD LABORATORY AND CURING FACILITY**

NOT REQUIRED FOR THIS PROJECT.

## **SECTION 157 – CONSTRUCTION LAYOUT AND MONUMENTS**

### **157.03 PROCEDURE**

#### **157.03.01 Construction Layout**

THE FOLLOWING IS ADDED:

It shall be the Contractor's sole responsibility for construction of all items of work to the line and grades shown on the plans. Provide the necessary qualified personnel to correctly interpret the survey layout as provided by the licensed New Jersey Professional Land Surveyor.

Give the RE copies of all grade sheets, cut sheets and other data prepared by the licensed New Jersey Professional Land Surveyor prior to the start of any work. This data shall be given to the RE for informational purposes only. No responsibility will be assumed by the RE for its correctness.

Provide written as-built certification from the Licensed New Jersey Land Surveyor that certain phases and/or all of the work has been constructed in accordance with the line and grades shown on the plans prior to final payment as required by the RE.

If in the opinion of the RE, the project cannot be successfully completed with the quality of work performed, he shall order the work redone at the Contractor's expense.

In instances where the RE feels the impact of the defective work is less severe, the RE shall have the option to negotiate a credit to the Owner. If a credit cannot be successfully negotiated, redo the work at no additional cost.

The RE will make every effort to periodically check the work in progress for conformity to plan line and grade, however, no guarantee is implied that said checks will be performed at the Contractor's convenience. If any work is found to be defective, the RE shall within three (3) working days render a decision as to whether the work should be redone or if the RE wishes to negotiate a credit to the County.

When requested by the RE, make available a competent person from his construction force to assist the RE in any manner which may be necessary to check the grades and alignment as well as other features of the work. No extra payment will be made for the services of such an assistant, and payment for the assistance shall be deemed to be included in the various unit prices bid. Failure to comply with this provision shall be sufficient cause for the RE to stop work on unchecked sections.

#### **157.04 MEASUREMENT AND PAYMENT**

THIS ENTIRE SUBSECTION TEXT IS CHANGED TO:

No separate payment will be made for construction layout, monuments, and as-built certification, distribute all costs among the other items in the proposal.



**SECTION 158 – SOIL EROSION AND SEDIMENT CONTROL AND WATER QUALITY CONTROL**

**158.02 MATERIALS**

THE FOLLOWING IS ADDED:

Calcium Chloride.....919.15

## SECTION 159 – TRAFFIC CONTROL

### 159.03.08 TRAFFIC DIRECTION

SUBPART B OF THIS SUBSECTION IS DELETED IN ITS ENTIRETY AND REPLACED AS FOLLOWS:

**B. Traffic Safety Services.** Uniformed Police Officers shall be employed by the Contractor for the protection of any equipment entering, leaving, or crossing active traffic lanes, or as may be required for the routing of traffic around or through the construction. The uniformed police officers shall be employed continuously for the full time such conditions shall exist and as determined by the Engineer. The Contractor is advised to contact the local authorities prior to bidding to determine specific requirements for this project.

The Contractor agrees that it shall make no claims against the County for extra costs resulting from any delays or interruptions to its operations attributable to the actions or inactions of police in the performance of traffic safety services. The Contractor further agrees that it has incorporated in its Proposal any costs that may be incurred by the Contractor as a result of the actions or inactions of police in the performance of traffic safety services, and agrees to bear the risk of loss for any costs not included in its Proposal.

Police providing traffic safety services shall maintain traffic flow at a signalized intersection when the signals are temporarily out of service or as may be required for the routing of traffic as determined by the Engineer.

### 159.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED TO THIS SECTION:

Payment will be made under:

<i>Item</i>	<i>Unit</i>
UNIFORMED POLICE OFFICERS	ALLOWANCE

Uniformed Police Officers will be measured by the hour, and paid at the rates set forth in the current local police contracts. Payment will be made from the lump sum allowance only for Uniformed Police Officers used. The Contractor must provide evidence of payment for reimbursement. The Contractor is not entitled for any profit, overhead or administrative fees on this pay item.

No payment will be made for any costs of the Uniformed Police Officers in excess of the lump sum allowance by the County without prior written approval.

## **SECTION 160 – PRICE ADJUSTMENTS**

THERE ARE NO PRICE ADJUSTMENTS ON THIS PROJECT.

## **SECTION 161 – FINAL CLEANUP**

### **161.03 PROCEDURE**

#### **161.03.01 Final Cleanup**

THE FOLLOWING IS ADDED:

Repair or replace in a manner acceptable to the RE any public or private property which may have been damaged or destroyed during the prosecution of the work; clean all drains, sewers, and ditches within and adjacent to the work which have been obstructed by construction operations. Leave the site and adjacent public and private property in a neat and presentable condition wherever his operations have disturbed conditions existing at the start of the work. Submit to the RE releases from affected property owners that his obligations with respect to their individual properties have been fulfilled.

#### **161.04 MEASUREMENT AND PAYMENT**

THE SUBSECTION TEXT IS CHANGED TO:

No separate payment will be made for Final Cleanup. Payment for this work shall be included in the unit prices bid for all other items of work in the proposal.

## DIVISION 200 – EARTHWORK

### SECTION 201 – CLEARING SITE

#### 201.03.02 Clearing Site, Bridge and Clearing Site, Structure

THE FOLLOWING IS ADDED TO THE FIRST PARAGRAPH.

Only the following equipment is permitted for the work:

1. **Pneumatic or Electric Equivalent Hand Operated Hammers.**
  - a. When demolishing concrete not closer than 6 inches to structural members: hammers weighing no more than 90 lbs (exclusive of bit), equipped only with chisel point bits.
  - b. When demolishing concrete within 6 inches of structural members: hammers weighing no more than 30 lbs (exclusive of bit).
2. **Saw Cutters.**
  - a. When cutting concrete within 6 inches of structural members: concrete cutters and concrete saws. While using water in the cutting operation, provide shielding beneath the cutting operation to prevent water leakage. Continuously collect slurry and dispose of as specified in 201.03.09. Ensure that the slurry does not enter the structure or highway drainage system.
3. **Hydraulic Breakers.** Ram-hoe type breakers, hydraulic breakers, and demolition shears may be used with the following restrictions:
  - a. Submit required data to the RE for Department's analysis of stresses induced to the girders.
  - b. Delineate the centerline and limits of the top flange of girders before the equipment operation.
  - c. Do not use equipment within 6 inches of the delineated flanges.
  - d. Do not pull or twist the reinforcement steel.
4. **Hydraulic Splitters.** Hydraulic splitters.
5. **Other Equipment.** Obtain RE approval before use.

#### 201.04 MEASUREMENT AND PAYMENT

THE FOLLOWING IS ADDED:

The Department will not make payment for the Item CLEARING SITE in excess of 80% of the lump sum bid until Completion.

The Department will not make payment for the Item CLEARING SITE, BRIDGE in excess of 80% of the lump sum bid until Substantial Completion.

## SECTION 202 – EXCAVATION

### 202.02 MATERIALS

THE FIRST IN THE LIST IS CHANGED TO:

Coarse Aggregate (No. 57 or 67)..... 901.03

### 202.03.04 Excavating Regulated Material

#### 3. Temporarily Storing.

THE FIRST PARAGRAPH IS CHANGED TO:

Temporary storage of regulated or hazardous material in stockpiles within the Project Limits shall be coordinated with the Licensed Site Remediation Professional (LSRP). If a stockpile area is not available within the Project Limits, excavate and place the hazardous regulated material directly into trucks, and haul it directly to the approved disposal facility, as directed by the LSRP.

### 203.02.01 Materials

THIS SUBSECTION IS CHANGED TO:

Provide materials as specified:

Soil Aggregate (I-7, I-9, I-10, I-11, I-13, and I-14).....901.11

## DIVISION 400 – PAVEMENTS

### SECTION 401 – HOT MIX ASPHALT (HMA) COURSES

#### 401.02.02 Equipment

THE LAST PARAGRAPH IS CHANGED TO:

When an MTV is used, install a paver hopper insert with a minimum capacity of 14 tons in the hopper of the HMA paver.

#### 401.03.03 HMA Courses

##### D. Transportation and Delivery of HMA.

THE FIRST PARAGRAPH IS CHANGED TO:

Deliver HMA using HMA trucks in sufficient quantities and at such intervals to allow continuous placement of the material. Do not allow trucks to leave the plant within 1 hour of sunset unless nighttime lighting is provided as specified in 108.06. The RE will reject HMA if the HMA trucks do not meet the requirements specified in 1009.02. The RE will suspend construction operations if the Contractor fails to maintain a continuous paving operation. Before the truck leaves the plant, obtain a weigh ticket from a fully automatic scale. Before unloading, submit for each truckload a legible weigh ticket that includes the following:

1. Name and location of the HMA plant.
2. Project title.
3. Load time and date.
4. Truck number.
5. Mix designation.
6. Plant lot number.
7. Tare, gross, and net weight.

##### E. Spreading and Grading.

THE THIRD PARAGRAPH IS CHANGED TO:

The use of an MTV is not required for this project. If an MTV is used, ensure that the MTV independently delivers HMA from the HMA trucks to the HMA paver. Operate the MTV to ensure that the axle loading does not damage structures, roadway, or other infrastructure.

##### J. Ride Quality Requirements.

THE FIRST PARAGRAPH IS CHANGED TO:

The Department will evaluate the HMA surface course using the International Roughness Index (IRI) according to ASTM E 1926. The Department will use the measured IRI to compute the appropriate pay adjustment (PA). The PA may be positive for superior quality work or negative for defective work. The Department may exclude certain area as specified in the Special Provisions.

SUBPART 3 OF SECOND PARAGRAPH IS CHANGED TO:

3. **Preparation for IRI Testing.** Provide the necessary traffic control when the Department performs IRI testing. Perform required mechanical sweeping of the surface course before IRI testing. To facilitate auto triggering on laser profilers, place a single line of preformed traffic marking tape perpendicular to the roadway baseline 300 feet before the beginning of each lane, shoulder, and ramp to be tested. Submit the actual stationing for each traffic marking tape location to the RE.

#### **401.04 MEASUREMENT AND PAYMENT**

THE FOLLOWING IS ADDED:

The Department will make a payment adjustment for HMA air void quality by the following formula:

$$\text{Pay Adjustment} = Q \times \text{BP} \times \text{PPA}$$

Where:

BP = Bid Price

Q= Air Void Lot Quantity

PPA= air void PPA as specified in 401.03.03H.

The Department will make a payment adjustment for HMA thickness quality by the following formula:

$$\text{Pay Adjustment} = Q \times \text{BP} \times \text{PPA}$$

Where:

BP = Bid Price

Q= Thickness Lot Quantity

PPA= thickness PPA as specified in 401.03.03I

The Department will make a payment adjustment for HMA ride quality, as specified in 401.03.03J.



## **DIVISION 500 – BRIDGES AND STRUCTURES**

THE FOLLOWING SECTION IS ADDED:

### **SECTION 515 – RUBBLE STONE MASONRY**

#### **515.01 DESCRIPTION**

This Section describes the requirements for construction of rubble stone masonry facing and bluestone cap on the parapets.

#### **515.02 MATERIALS**

Rubble stones shall be Delaware Valley Fieldstone by Delaware Quarries, 6603 Route 202, New Hope, Pennsylvania 18938, 1-800-533-4954, or approved equal. The color shall be as selected by the Town and the County.

The bluestone cap shall have a rubbed finish on the exposed face and diamond sawed exposed edges. Joints shall be sawed and all sharp edges shall be slightly rounded. Bluestone shall meet or exceed the following requirements:

1. Absorption shall not exceed 1.5% after 48 hours when tested in accordance with ASTM C97;
2. Bulk Specific Gravity shall be not less than 2.68 when tested in accordance with ASTM C97;
3. Compressive Strength shall average 19.5 kips per square inch when tested in accordance with ASTM C170;
4. Flexural Strength shall average 2.6 kips per square inch when tested in accordance with ASTM C99; and
5. Abrasion Resistance – when tested in accordance with ASTM C241 shall have an Abrasion Index of 28.84.

Bluestone shall be the product of Johnston & Rhodes Bluestone Co., East Branch, New York, or an approved equal. Two 12-inch square samples shall be submitted with the specified finishes, and indicating the probable range of color variation. All metal ties, cramps, dowels, etc., used for anchoring or coming in contact with stone work shall be of stainless steel conforming to ASTM A666.

Gaskets within expansion joints in cap stones shall be a closed cell neoprene conforming to ASTM D1056, Grade 2C2 as manufactured by Williams Products, Inc., or an approved equal.

Sealant for expansion joints shall be a two-part polyurethane having a durometer of 40 plus or minus 5 and conforming to TT-S-227D, Type 2, Class A.

#### **515.03 SUBMITTALS**

##### **515.03.01 Stone Samples**

Submit samples of rubble stone and bluestone samples for the approval of the RE.

##### **515.03.02 Sample Mockup**

After approval of rubble stone and bluestone samples, the Contractor shall erect a sample or mock-up of the parapet with the rubble stone masonry facing and bluestone cap. The mock-up shall be not less than 4 feet in width and 4 feet in height. This sample panel shall be prepared in the field, and approved, prior to erecting parapet facing. Approval of the sample shall be obtained from the County of Union and the City of Rahway.

Unless otherwise directed, this mock-up may be erected on the parapet which is to receive the stone facing. If approved, it shall become part of the work, but if rejected shall be removed and a new mock-up provided until approved. Before providing mock-up, submit shop drawings indicating the extent and location of the proposed mock-up.

#### **515.04 CUTTING AND DELIVERY**

##### **515.04.01 Rubble Stone Masonry**

The facing stones shall be not less than 4-inches thick. The width shall be not less than 1.5 times the thickness and the length not more than 3 times the thickness and not less than 1.5 times the width.

### **515.04.02 Bluestone Cap**

Except as otherwise approved, the cap shall be in sections of uniform lengths of not less than 5 feet. Caps, which project beyond the wall, shall have a drip groove cut along the underside.

### **515.05 MORTAR AND ANCHORS**

#### **515.05.01 Rubble Stone Masonry**

Anchor cramps required to attach the stones shall be furnished. They shall be of stainless steel.

#### **515.05.02 Bluestone Cap**

Dowels required to tie the bluestone cap firmly to the concrete parapet shall be furnished. At least two dowels shall be used for each stone.

### **515.06 SETTING**

#### **515.06.01 Rubble Stone Masonry**

Stones shall be laid so as to stagger joints and to bond together, with their bedding planes approximately horizontal, with exposed faces parallel to the face of wall. The work shall not be constructed in freezing weather or when the stones contain frost, except by written permission and subject to such conditions as may be expressed.

All stones shall be laid in a bed of mortar and all spaces between stones shall be filled with mortar and packed with spalls except that no spalls shall be used in the face. All voids shall be filled with mortar. The face joints shall be not more than 1-inch wide and shall be pointed before the mortar has set.

All joints, sinkages, holes, and any other spaces between stones, or between stones and metal parts, shall be filled with mortar, packed tightly. Hardwood wedges, soaked in water before use and removed before the mortar has set hard, may be used to facilitate proper setting. Each stone shall be cleaned by brushing or other means and drenched with water immediately before it is set, and the bed which is to receive it shall be cleaned and settled in place with a wooden maul. Stones shall not be dropped or slipped but shall be placed without jarring any stone already laid. Heavy hammering will not be allowed after a course is laid. All mortar droppings or smears on the exposed faces of the stone shall be brushed off immediately after the stone is set. Stones becoming loose after the mortar is set shall be removed, cleaned and relaid with fresh mortar.

#### **515.06.02 Bluestone Cap**

The work shall not be constructed in freezing weather or when the stones contain frost, except by written permission and subject to such conditions as may be expressed.

All stones shall be laid in a bed of mortar with 1% wash set in the field. All voids shall be filled with mortar. The face joints shall be not more than 1/2-inch wide and shall be pointed before the mortar has set.

Provide expansion joints in cap stones not less than 24 feet or more than 32 feet on center, unless otherwise approved or indicated.

1. The expansion joints shall be free of mortar. A neoprene spacer placed within the joint shall be recessed approximately 3/8-inch to receive sealant. The spacer shall be a closed cell neoprene.
2. Sealant shall be installed in accordance with the manufacturer's printed instructions. Submit standard color charts for selection by the Engineer.

### **515.07 POINTING**

All joints shall be raked out to a depth of 1 inch, cleaned out, mortar set, and pointed. Pointing shall be done with epoxy mortar.

**515.08 PROTECTING AND CLEANING STONWORK**

As soon as stonework is set, it shall be protected from damage from weather or other causes until final completion and acceptance of the work.

Immediately after laying and while mortar is still fresh, all face stones shall be cleaned of all mortar stains and shall be kept clean until the work is completed. Before final acceptance, the surface shall be cleaned using wire brushes and muriatic acid if necessary.

In hot or dry weather, the masonry shall be protected from the sun and shall be kept wet for a period of five days after completion.

**515.09 MEASUREMENT AND PAYMENT**

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
RUBBLE STONE MASONRY	SQUARE FOOT
BLUESTONE CAP	SQUARE FOOT

THE FOLLOWING SECTION IS ADDED:

## **SECTION 517 – BRIDGE PLAQUE**

### **517.01 DESCRIPTION**

This Section describes the requirements for fabricating, furnishing, assembling, and erecting bronze plaques insured with text as directed by the RE.

This Section also describes the requirements for removing, refurbishing, and installing the existing bridge plaque.

### **517.02 MATERIALS**

Plaque is to be cast in one piece of statuary bronze. Background shall be in dark oxidized hard matted surface having a stippled appearance; borders and tops of letters to have a smooth, burnished finish. Concealed anchorage shall be 4-1/2" diameter threaded expansion type anchor bolts, non-corroding type.

### **517.03 CONSTRUCTION**

#### **517.03.01 Bridge Plaque**

Prior to constructing the Plaque, submit a full size drawing of the plaque showing size and arrangement of letters for the approval of the RE. Block letters shall be used. Plaque having dimensions shown on the drawing shall be set in concrete at locations determined by the RE.

### **517.04 MEASUREMENT AND PAYMENT**

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
BRIDGE PLAQUE	UNIT

# DIVISION 600 – MISCELLANEOUS CONSTRUCTION

## SECTION 605 – FENCE

### 605.01 DESCRIPTION

THE FOLLOWING IS ADDED TO THE END OF THIS SUBSECTION:

This section also describes the requirements for constructing an ornamental fence.

### 605.02 MATERIALS

#### 605.02.01 Materials

THE FOLLOWING IS ADDED AFTER THE LIST OF MATERIALS:

Provide material and hardware for ornamental fence framework (i.e., pickets, rails, posts, post caps, brackets, finials, scrolls, etc.). Fence framework and other appurtenances color shall be BLACK or as approved by the RE.

Provide Style C Residential Aluminum Fencing - Smooth Top with Spear Pickets, 48-inch high, Standard Pickets - from the following supplier, or approved equal:

**Online Fence Supply**

148 Flint Hill Rd.

Fort Mill, SC 29715

980.355.2749

Fax: 704.821.5332

[sales@onlinefencesupply.com](mailto:sales@onlinefencesupply.com)

Material: 6063-T5 Aluminum

Provide ornamental fence panels that are biasable to a change in grade as shown on drawings.

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

#### 605.03.05 Ornamental Fences and Gates

Submit working drawings for ornamental fence in accordance with Section 105.

### 605.04 MEASUREMENT AND PAYMENT

THE FOLLOWING ITEMS ARE ADDED:

*Item*

ORNAMENTAL FENCE

*Pay Unit*

LINEAR FOOT

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

The Department will measure ornamental fence along the horizontal projection of the bottom fence rail.

## **DIVISION 800 – LANDSCAPING**

### **SECTION 811 – PLANTING**

#### **811.03.01 Planting**

##### **E. Excavation for Plant Pits and Beds.**

THE LAST SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

Obtain RE approval before reusing topsoil from the excavated pits.

##### **I. Watering.**

THE FIRST PARAGRAPH IS CHANGED TO:

Water plants with sufficient frequency and quantity to ensure that the soil surrounding the root system remains moist but not saturated.

**DIVISION 900 – MATERIALS**

**SECTION 903 – CONCRETE**

**903.03.06 Tables**

**Table 903.03.06-2 Requirements for Structural Concrete Items**  
THE SEVENTH LINE UNDER CAST-IN-PLACE ITEMS IS CHANGED TO:

**Table 903.03.06-2 Requirements for Structural Concrete Items**

**Percent Air Entrainment for  
Coarse Aggregate<sup>1</sup>**

	<b>Concrete Class</b>	<b>Slump<sup>1</sup> (inches)</b>	<b>No. 57 &amp; No. 67</b>	<b>No. 8</b>
Decks, Sidewalks, Curbs, Parapets, Concrete Patch	A	3 ± 1	6.0 + 1.5	7.0 ± 1.5

## **SECTION 904 – PRECAST AND PRESTRESSED CONCRETE**

### **904.01.02 Fabrication**

THE LAST SENTENCE OF PART 2 IS CHANGED TO:

If using SCC, minimize or eliminate the use of vibrators to prevent segregation.

### **904.02.06 Quality Control and Acceptance Requirements**

STEP 2 IN THE THIRD PARAGRAPH IS CHANGED TO:

2. Dimensions not conforming to the tolerances specified in Table 904.02.02-1.



## **SECTION 905 – REINFORCEMENT METALS**

### **905.01.05 Dowels**

THE ENTIRE SUBSECTION IS CHANGED TO:

Use plain reinforcement bars according to ASTM A 615, Grade 60. Galvanize according to ASTM A 123.

## **SECTION 919 – MISCELLANEOUS**

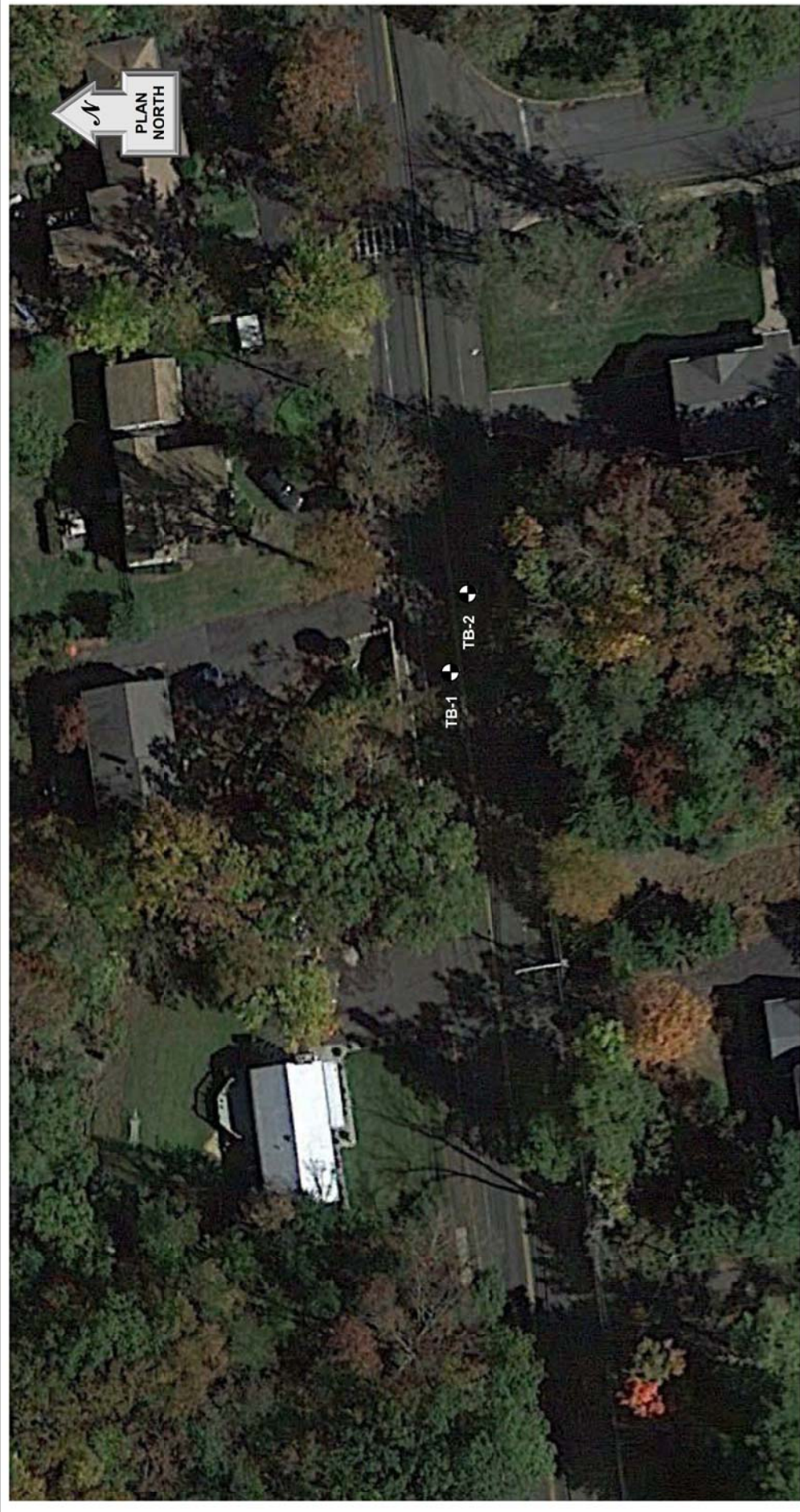
THE FOLLOWING SUBSECTION IS ADDED.

### **919.15 CALCIUM CHLORIDE**


Calcium chloride shall conform to AASHTO M144 except that the alkali and impurity requirements need not apply.

# **APPENDIX A**

## **BORING LOGS**




**TITLE**  
 EXPLORATION LOCATION PLAN  
**MOUNTAIN AVENUE MINOR BRIDGE  
 (BE-26) REPLACEMENT**  
 MOUNTAIN AVENUE  
 BERKELY HEIGHTS, UNION COUNTY, NJ



**MASER**  
 CONSULTANTS, P.C.  
 Consulting, Municipal & Environmental Engineers  
 Planners • Surveyors • Landscape Architects  
 New Jersey • New York • Pennsylvania • Virginia  
 Customer Loyalty through Client Satisfaction

**NOTES:**  
 1.) THIS DRAWING IS PART OF MASER'S GEOTECHNICAL REPORT (PROJECT NO. 14002456G) DATED OCTOBER 2015 AND SHOULD ONLY BE USED IN CONJUNCTION WITH THE REPORT.

**LEGEND:**  
 INDICATES THE NUMBERS AND APPROXIMATE LOCATIONS OF TEST BORINGS PERFORMED FOR THIS STUDY.

**TB-1** 

**DRAWN BY:** MC  
**CHECKED BY:** N.T.S.  
**DATE:** 10/29/2015  
**PROJECT NO.:** 14002456GA  
**FIGURE NO.:** 1

# TEST BORING LOG TB-1



Engineers  
Planners  
Surveyors  
Landscape  
Architects  
Environmental  
Scientists

331 Newman Springs Road  
Suite 203  
Red Bank, NJ 07701  
T: 732.383.1950  
F: 732.383.1984  
www.maserconsulting.com

**Project Information**  
Project Name: Mountain Avenue Bridge  
Project Location: Berkeley Heights, NJ  
Project Number: 14002456G

Depth (ft)	Sample Number	Standard Penetration Test Results				"N" Value (bpf)	Subsurface Profile		Elev. (ft)	
		0-6"	6-12"	12-18"	18-24"		Profile Stratum	Visual Description / Comments		
0	S - 1	-	-	23	20	<b>43</b>	FILL	14 inches of ASPHALT Pavement overlying 6 inches of BALLAST STONE S-1: Gray cmf GRAVEL (Aggregate Base) TIP - Brown CLAY and SILT, little mf Sand S-2: No Recovery, occasional Cobbles S-3: Brown CLAY and SILT, little(+) mf(+) Sand, with occasional Cobbles (Moist) PP=1tsf S-4: Same as S - 3, occasional cm Gravel (Moist) PP=1-2tsf S-5: Brown CLAY and SILT, little cm Gravel, little mf Sand, with occasional Cobbles (Very Moist)	<b>241</b>	
	1' - 2'	Sample Recovery = 2								
	S - 2	9	8	9	10					<b>17</b>
	2' - 4'	Sample Recovery = 0								
	S - 3	6	8	11	41					<b>19</b>
4' - 6'	Sample Recovery = 3									
S - 4	33	21	13	12	<b>34</b>					
6' - 8'	Sample Recovery = 8									
10	S - 5	13	7	6	14	<b>13</b>	10ft		<b>231</b>	
	8' - 10'	Sample Recovery = 5								
	S - 6	7	5	3	1					<b>8</b>
10' - 12'	Sample Recovery = 4									
20	S - 7	100/5				<b>100/5</b>	Glacial Till	S-7: Brown / gray cmf GRAVEL and cm SAND, trace Silt, with occasional cobbles and boulders (Wet)	<b>221</b>	
	15' - 15.4'	Sample Recovery = 3								
	S - 8	100/3								<b>100/3</b>
20' - 20.3'	Sample Recovery = 3									
30							End of Test Boring at 20.3 feet			<b>211</b>
							Drilling Notes:			
							1). Heavy grinding to 3 ft.			
							2). Intermittent grinding, suspected layers of cobbles to 15 ft.			
							3). Heaving sands at 13 ft.			
							4). Augers out of plumb at 15 ft (suspected boulder). Heavy grinding on suspected cobbles and boulders from 15 ft to completion.			
							5)Borehole caved to 9.5 ft at completion			
40										<b>201</b>

Location Information	Elevation (ft):	241	General Information	Maser Representative:	R. Walters
	Latitude:			Project Manager:	M. Carnivale
	Longitude:			Contractor:	Granese Drilling, Inc.
	Comments:			Driller:	A. Leavy
Groundwater Data (ft)	Encountered (ft):	10	Drilling Equipment:	Gefco SS-15	
	Elevation (ft):	231	Drilling Method:	Hollow Stem Auger	
	At Completion (ft):	7.5	Sampling Method:	2-inch O.D. Split Spoon	
	Elevation (ft):	233.5	Date Started:	September 1, 2015	
			Date Completed:	September 1, 2015	

Comments:

# TEST BORING LOG TB-2



Engineers  
Planners  
Surveyors  
Landscape  
Architects  
Environmental  
Scientists

331 Newman Springs Road  
Suite 203  
Red Bank, NJ 07701  
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**Project Information**  
Project Name: Mountain Avenue Bridge  
Project Location: Berkeley Heights, NJ  
Project Number: 14002456G

Depth (ft)	Sample Number	Standard Penetration Test Results				"N" Value (bpf)	Subsurface Profile		Elev. (ft)			
		0-6"	6-12"	12-18"	18-24"		Profile Stratum	Visual Description / Comments				
0	S - 1	-	-	20	6	<b>20</b>	FILL	14 inches of ASPHALT Pavement overlying 6 inches of BALLAST STONE S-1: TIP - Brown CLAY and SILT, little mf Sand, trace mf Gravel (Moist) S-2: Brown CLAY and SILT, some mf(+) Sand, with frequent Cobbles and Boulders (Moist) S-3: Same as S - 2 S-4: No Recovery; frequent Cobbles and Boulders S-5: Brown CLAY and SILT, some cmf Gravel, little mf(+) Sand, with occasional Cobbles (Very Moist)	<b>241</b>			
	1' - 2'	Sample Recovery = 2										
	S - 2	6	5	8	7					<b>13</b>		
	2' - 4'	Sample Recovery = 2										
	S - 3	10	17	12	10					<b>29</b>		
	4' - 6'	Sample Recovery = 2										
	S - 4	5	6	7	6					<b>13</b>		
	6' - 8'	Sample Recovery = 0										
S - 5	5	5	4	5	<b>9</b>							
8' - 10'	Sample Recovery = 3											
10	S - 6	3	8	7	6	<b>15</b>	10 ft	S-6: Brown cmf GRAVEL and cmf SAND, trace Silt (Wet)	<b>231</b>			
	10' - 12'	Sample Recovery = 3										
20	S - 7	2	2	3	6	<b>5</b>	Alluvial Soil	S-7: No Recovery	<b>221</b>			
	15' - 17'	Sample Recovery = 0										
	S - 8	100/1								<b>0</b>	18.5 ft	S-8: Brown / gray cmf GRAVEL and cmf SAND, trace Silt, with frequent Cobbels (Wet)
	20' - 20.1'	Sample Recovery = 1										
							Glacial Till					
							20.1ft	End of Test Boring at 20.1 feet				
							Drilling Notes:					
							1). Heavy grinding, suspected layers of cobbles to 10 ft.					
							2). Augers out of plumb due to possible boulder at 10 feet.					
							3). Heavy grinding on cobbles and possible boulders from 18.5 ft to end of test boring.					
							4). Borehole caved wet at 7.5 ft.					
30												
40												

Location Information	Elevation (ft):	241	General Information	Maser Representative:	R. Walters
	Latitude:			Project Manager:	M. Carnivale
	Longitude:			Contractor:	Granese Drilling, Inc.
	Comments:			Driller:	A. Leavy
Groundwater Data (ft)	Encountered (ft):	10	Drilling Equipment:	Gefco SS-15	
	Elevation (ft):	231	Drilling Method:	Hollow Stem Auger	
	At Completion (ft):	7.5	Sampling Method:	2-inch O.D. Split Spoon	
	Elevation (ft):	233.5	Date Started:	September 1, 2015	
			Date Completed:	September 1, 2015	

**Comments:** Heavy grinding, suspected layers of cobbles, to 10 ft. Augers out of plumb due to possible boulder at 10 feet. Easy drilling at 18.5 ft. Heavy grinding on cobbles and possible boulders from 18.5 ft to end of test boring. Borehole caved wet at 7.5 ft.

## **APPENDIX B**

# **ENVIRONMENTAL PERMITS**




**STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF LAND USE REGULATION**

Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420  
Telephone: (609) 777-0454 or Fax: (609) 777-3656  
www.state.nj.us/dep/landuse



**PERMIT**

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		Approval Date <b>JUL 07 2016</b>
		Expiration Date <b>JUL 06 2021</b>
<b>Permit Number(s):</b>  2001-16-0003.1 FHA 160001 & FWW 160001	<b>Type of Approval(s):</b>  Flood Hazard Area Individual Permit, Freshwater Wetlands Statewide General Permit No. 10A and Water Quality Certificate	<b>Enabling Statute(s):</b>  NJSA 58:10A NJSA 58:16A NJSA 13:1D NJSA 13:9B FWPA
<b>Permittee:</b>  County of Union c/o Tom Mineo, P.E. 2325 South Avenue Scotch Plains, NJ 07076	<b>Site Location:</b>  Block(s) & Lot(s): County ROW Municipality: Township of Berkeley Heights County: Union	
<b>Description of Authorized Activities:</b>  <p>This permit authorizes the replacement of the existing Mountain Avenue Culvert over an unnamed tributary to the Passaic River, within the County right-of-way in the Township of Berkeley Heights, Union County, New Jersey. This permit also includes the authorization to permanent disturb 0.018 acres of State open waters for said work, under Freshwater wetlands General permit No. 10A.</p>		
<b>Prepared by:</b>  <hr/> <b>Valda Opara</b>	<b>Received and/or Recorded by</b> <b>County Clerk:</b>	
<p>THIS PERMIT IS NOT EFFECTIVE AND NO CONSTRUCTION APPROVED BY THIS PERMIT, OR OTHER REGULATED ACTIVITY, MAY BE UNDERTAKEN UNTIL THE APPLICANT HAS SATISFIED ALL PRE-CONSTRUCTION CONDITIONS AS SET FORTH HEREIN.</p>		
<p align="center"><b>This permit is not valid unless authorizing signature appears on the last page.</b></p>		



### **SPECIAL CONDITIONS:**

1. Construction equipment shall not be stored, staged or driven within any channel, freshwater wetland or transition area, unless expressly approved by this permit and/or described on the approved plans.
2. For the purposes of this permit, the Department has determined that this project is not a Major Development as defined in the Stormwater Management rules at N.J.A.C. 7:8-1.2. Therefore, the Department did not review the proposed stormwater management system onsite for compliance with these rules.
3. Construction may only be performed in the dry or de-watered conditions. No work may be performed in the wet.
4. De-watering of cofferdams must include properly sized temporary sediment basins or other filtering methods to reduce turbidity. The stream area to receive return water discharged from cofferdams must be encompassed by a turbidity barrier. The turbidity barrier must be located parallel to the stream banks and anchored to the shoreline to maintain freeflow of the stream center. In order to avoid obstruction of stream flows or fish passage, turbidity barriers must not be placed across the entire stream channel.
5. All excavated material and dredge material shall be disposed of in a lawful manner. The material shall be placed outside of any flood hazard area, riparian zone, regulated water, freshwater/coastal wetlands and adjacent transition area, and in such a way as to not interfere with the positive drainage of the receiving area.
6. All sediment barriers and other soil erosion control measures shall be installed prior to commencing any clearing, grading or construction onsite, and shall be maintained in proper working condition throughout the entire duration of the project.
7. Prior to commencing any activity such as clearing, grading or construction onsite, the permittee shall obtain all necessary approvals from the local Soil Conservation District (SCD) or its designee and the Natural Resource Conservation Service (NRCS). If neither SCD nor NRCS approval is required, the permittee shall implement soil erosion control measures such as, but not limited to, standards specified in N.J.A.C. 7:13-11.1(e).
8. In order to protect the general game fishery resources within the tributary to the Passaic River, any regulated in-water activity and activity within the 50 foot riparian zone, which would likely introduce sediment into the watercourse and/or increase its turbidity, is prohibited between **May 1 and June 30**. The Division reserves the right to suspend all regulated activities onsite should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition.
9. The onsite tributary to the Passaic River is classified as a non-trout, non-Category One, FW2-NT, watercourse with a 50 foot wide riparian zone adjacent to it. This permit authorizes 870 sq. ft. (0.020 ac) of permanent riparian zone vegetation disturbance associated with the bridge replacement.

10. Vegetation within 50 feet of the top of the bank shall only be disturbed in the areas specifically shown on the approved drawing. No other vegetation within 50 feet of the top of the stream bank shall be disturbed for any reason. This condition applies to all channels onsite regardless of the contributory drainage area.
11. Upon completion of the project, all temporarily disturbed areas within 50 feet of the top of stream bank onsite shall be restored to original topography and replanted with indigenous, non-invasive vegetation in accordance with N.J.A.C. 7:13-10.2(u).

**CONDITIONS APPLICABLE TO FRESHWATER WETLANDS:**

12. Any additional disturbance of freshwater wetlands, State open waters and/or transition areas besides that shown on the approved plans shall be considered a violation of the Freshwater Wetlands Protection Act rules unless the activity is exempt or a permit is obtained from the Department prior to the start of the proposed disturbance.
13. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, NJDEP, Mail Code 401-04C, 401 East State Street, P.O. BOX 420, Trenton, NJ 08625-0420, at least seven days prior to the commencement of site preparation, or of regulated activities, whichever comes first. The notification shall contain proof of recording of a conservation restriction or easement, if one was required as part of the permit.
14. The permittee shall be responsible for the installation of a sediment barrier around all disturbed soils which is sufficient to prevent the sedimentation of the State open water.
15. The permittee shall be responsible for preserving and minimizing vegetation disturbance within regulated areas. All temporary disturbances around the proposed construction shall be replanted with native herbaceous and woody vegetation where applicable and not maintained as lawn or landscaped area.

**PROVISIONS OF THE FRESHWATER WETLANDS GENERAL PERMIT 10A:**

16. This permit authorizes 800 sq. ft. (0.018 ac) of permanent disturbance to State open waters for the bridge replacement. This authorization to conduct regulated activities within State open waters includes the Division's approval of a water quality certificate for these activities.
17. The permittee shall take any and all precautions to prevent raw concrete from coming in contact with the waters of the tributary; raw concrete is toxic to aquatic biota.

**STANDARD CONDITIONS:**

**18. Responsibilities:**

- a. The permittee, its contractors and subcontractors shall comply with all conditions of this permit, authorizing and/or supporting documents and approved plans and drawings.
- b. A copy of this permit, other authorizing documents, records and information including all approved plans and drawings shall be maintained at the authorized site at all times and made available to Department representatives or their designated agents upon request.

19. **Permit modification:** Plans and specifications in the application and conditions imposed by this permit shall remain in full force and effect so long as the proposed development or any portion thereof is in existence, unless modified by the Department. No change in plans or specifications upon which this permit is issued shall be made except with the prior written permission of the Department. The filing of a request to modify an issued permit by the permittee, or a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.
20. **Duty to minimize environmental impacts:** The permittee shall take all reasonable steps to prevent, minimize or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of this permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit.
21. **Proper site maintenance:** While the regulated activities are being undertaken, neither the permittee, its contractors nor subcontractors shall cause or permit any unreasonable interference with the free flow of a regulated feature by placing or dumping any materials, equipment, debris or structures within or adjacent to the regulated area. Upon completion or abandonment of the work, the permittee, its contractors or subcontractors shall remove and dispose of in a lawful manner all excess materials, debris, equipment, silt fences and other temporary soil erosion and sediment control devices from all regulated areas. Only clean non-toxic fill shall be used where necessary.
22. **Sediment control:** Development which requires soil disturbance, creation of drainage structures, or changes in natural contours shall conduct operations in accordance with the latest revised version of "Standards for Soil Erosion Sediment Control in New Jersey," promulgated by the New Jersey State Soil Conservation Committee, pursuant to the Soil Erosion and Sediment Control Act of 1975, N.J.S.A. 4:24-42 et seq. and N.J.A.C. 2:90-1.3-1.14.
23. **Rights of the State:**
  - a. This permit does not convey any property rights of any sort, or any exclusive privilege.
  - b. Upon notification and presentation of credentials, the permittee shall allow Department representatives or their designated agents, to enter upon the project site and/or where records must be kept under the conditions of this permit, inspect at reasonable times any facilities, equipment, practices or operations regulated or required under the permit, and sample or monitor for the purposes of determining compliance. Failure to allow reasonable access shall be considered a violation of this permit and subject the permittee to enforcement action.

- c. The issuance of this permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction, structure or structures. Neither the State nor the Department shall, in any way, be liable for the loss of life or property which may occur by virtue of the activity of development resulting from any permit.
24. **Duty to Reapply:** If the permittee wishes to continue an activity covered by the permit after the expiration date of the permit authorization, the permittee must apply for and obtain a new permit authorization.
25. **Transfer of Permit:** This permit may not be transferable to any person unless the transfer is approved by the Department. Please refer to the applicable rules for more information.
26. **Other Approvals:** The permittee must obtain any and all other Federal, State and/or Local approvals. Authorization to undertake a regulated activity under this permit does not indicate that the activity also meets the requirements of any other rule, plan or ordinance.
27. **Noncompliance:**
  - a. Any noncompliance with this permit constitutes a violation, and is grounds for enforcement action, as well as modification, suspension and/or termination of the permit.
  - b. The permittee shall immediately report to the Department by telephone at (877) 927-6337 any noncompliance that may endanger health or the environment. In addition, the permittee shall report all noncompliance to Bureau of Coastal and Land Use Compliance and Enforcement, 401 E. State Street, 4th Floor, P.O. Box 420, Mail Code: 401-04C, Trenton, NJ 08625, in writing within five business days of the time the permittee becomes aware of the noncompliance. The written notice shall include: a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter.
28. **Appeal of Permit:** In accordance with the applicable regulations, any person who is aggrieved by this decision or any of the conditions of this permit may request a hearing within 30 days after notice of the decision is published in the DEP Bulletin. This request must include a completed copy of the Administrative Hearing Request Checklist. The DEP Bulletin is available through the Department's website at <http://www.nj.gov/dep/bulletin> and the Checklist is available through the Division's website at [http://www.nj.gov/dep/landuse/download/lur\\_024.pdf](http://www.nj.gov/dep/landuse/download/lur_024.pdf). In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute

resolution. Please see the website [www.nj.gov/dep/odr](http://www.nj.gov/dep/odr) for more information about this process.

**APPROVED PLANS:**

The drawings hereby approved are six (6) sheets prepared by Maser Consulting P.A, dated March 2016, last revised June 22, 2016, unless otherwise noted, entitled:

“COUNTY OF UNION, DIVISION OF ENGINEERING THOMAS MINEO, P.E., COUNTY ENGINEER REPLACEMENT OF COUNTY BRIDGE NO. BE-26 MOUNTAIN AVENUE MINOR BRIDGE, TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY, NEW JERSEY UNION COUNTY NEW JERSEY”

- “OVERALL EXISTING CONDITIONS”, sheet no. 2 of 8,
- “CONSTRUCTION PLAN”, sheet no. 3 of 8,
- “PERMIT DISTURBANCE PLAN”, sheet no. 4 of 8,
- “SOIL EROSION AND SEDIMENT CONTROL PLANS”, sheet no. 5 of 8,
- “SOIL EROSION AND SEDIMENT CONTROL DETAILS”, sheet no. 6 of 8,
- “IMPERVIOUS COVERAGE EXHIBIT”, sheet no. 1 of 1.

If you need clarification on any section of this permit or conditions, please contact the Division of Land Use Regulation’s Technical Support Call Center at (609) 777-0454.

Approved By:

*Nabil Andrews*

\_\_\_\_\_  
Nabil M. Andrews, Environmental Engineer 3  
Division of Land Use Regulation

*7/7/2016*

\_\_\_\_\_  
Date

Original sent to Agent to record

- c: Mr. T. Mineo, Union County, Permittee  
Mr. R. Maloney, Maser, Agent  
Township of Berkeley Heights Construction Official  
Township of Berkeley Heights Municipal Clerk



SOMERSET - UNION SOIL CONSERVATION DISTRICT

Somerset County 4-H Center
308 Milltown Road • Bridgewater, NJ 08807
(908) 526-2701 Fax (908) 575-3977

Project Exemption Application Form

Print Clearly or Type

Current Owner: Union County Block(s): 1607, 2801
Address: 2325 South Avenue Lot(s): 7, 8, 33, 34, 35
Town: Scotch Plains State: NJ Zip: 07076 Street Address: 961 Mountain Avenue
Telephone: 908-789-3675 Township: Berkeley Heights

! Please Read All Information Carefully!

I, the undersigned, am requesting an Exemption from the NJ Soil Erosion and Sediment Control Act, P.L. 1975, Chapter 251, for the following activity. In addition, I acknowledge that I am responsible to provide the required information as requested below. If the activity deviates from the documentation submitted and/or exceeds 5,000 square feet, it will render this Exemption Void.

A \$45.00 NON-REFUNDABLE PROJECT EXEMPTION FEE IS REQUIRED, MADE PAYABLE TO SOMERSET-UNION SCD.

General Land Disturbance: Submit a copy of the site plan with total disturbance areas outlined and provide a descriptive narrative.

X Commercial Construction: Total Land Disturbance = 4,000 SF (Must be less than 5,000 sq. ft.) This includes multi-family residential, commercial, industrial, parking lots, pipelines, public facilities, land grading, quarrying, landfills.

Demolition Only: Total Land Disturbance = (Must be less than 5,000 sq. ft.)

Residential Land Disturbance (Single Family Dwelling Unit): Submit a copy of the site/subdivision plan with total disturbance areas outlined and provide a description narrative documenting ALL land disturbance activity required.

Demolition and Reconstruction: Total Land Disturbance = Total land disturbance includes all land disturbing activity in both existing and proposed site conditions. (Must be less than 5,000 sq. ft.)

Construction of a single family dwelling unit on a lot that has arisen from a subdivision approved prior to January 1, 1976 that did NOT create two or more buildable lots and the proposed land disturbance is less than 5,000 square feet.

Construction of a single family dwelling unit that has arisen from a subdivision prior to January 1, 1976 where I do NOT own or plan to build more than one home at a time.

Other disturbance related to single family homes. PLEASE INCLUDE SITE PLAN AND DESCRIPTION

Signature - Owner must sign before submission to the District.

Owner Signature: [Signature] Date: 4/18/16

Print Owner Name: Thomas O. Mineo

ACKNOWLEDGEMENT OF EXEMPTION

Whereas the owner has certified in writing and has submitted all required documentation that they are engaging in the above referenced activity, a certified Soil Erosion & Sediment Control Plan will not be required by the Somerset-Union Soil Conservation District.

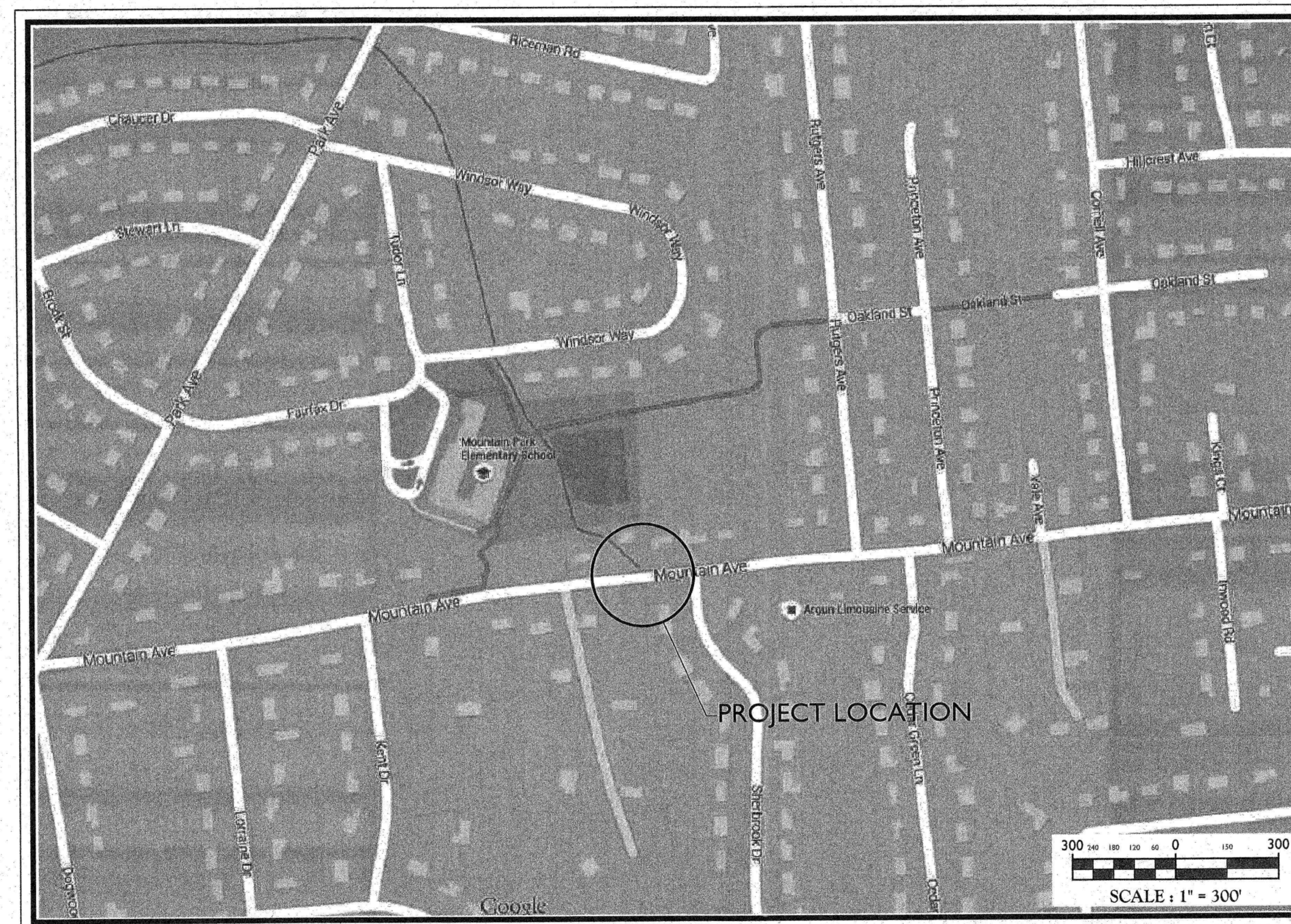
Authorization by: [Signature] Date: 7-21-16
Frank Calo, District Manager Effective (3/1/15)

COUNTY OF UNION  
BOARD OF CHOSEN FREEHOLDERS

MOUNTAIN AVENUE MINOR BRIDGE BE-26  
OVER STREAM 3-61-1  
BRIDGE REPLACEMENT  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY

BA#2-2019; PROJECT #2013-024  
DECEMBER 2018

INDEX	
SHEET NO.	DESCRIPTION
1	KEY SHEET
2	ESTIMATE OF QUANTITIES, BRIDGE PLAQUE AND GENERAL NOTES
3	EXISTING BRIDGE PLAN, SECTIONS AND DETAILS
4	CONSTRUCTION PLAN
5	DETOUR PLAN
6	PROPOSED BRIDGE PLAN, SECTION AND ELEVATIONS
7	CROSS SECTIONS
8	PROFILE
9	SOIL EROSION AND SEDIMENT CONTROL PLAN
10	SOIL EROSION AND SEDIMENT CONTROL DETAILS
11	FOUNDATION DETAILS
12	BAR LIST AND PARAPET REINFORCEMENT DETAILS
13	UTILITY PLAN



KEY MAP

NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007  
AND COUNTY SUPPLEMENTARY SPECIFICATIONS THERETO SHALL GOVERN.

PUBLIC UTILITIES	
ELECTRIC	JCP&L ENERGY 300 MADISON AVE P.O. BOX 1911, MORRISTOWN, NJ 07962 BAXTER TURLEY (973) 401-8143
TELEPHONE (OVERHEAD)	VERIZON MURRAY HILL WIRE CENTER 290 WEST MOUNT PLEASANT AVE FLOOR G, BUILDING 4, LIVINGSTON, NJ 07039 DAVE MCSHERRY (973) 422-5124
CABLE	COMCAST 800 RAHWAY AVE, BLDG. D UNION, NJ 07083 BOB KNOEPFEL (908) 378-0256
GAS	PSEG 48 MIDDLE AVENUE SUMMIT, NJ 07901 CHRIS FORTE (908) 552-7424
WATER	NEW JERSEY AMERICAN WATER 167 JFK PARKWAY SHORT HILLS, NJ 07078 KEN TAYLOR (973) 564-5713 BRIAN WEBER (973) 564-5739
SEWER	THOMAS MCANDREW, SUPERINTENDENT TWP. OF BERKELEY HEIGHTS WWTP 29 SNYDER AVENUE BERKELEY HEIGHTS, NJ 07922 (908) 464-5700

LOCATION OF UTILITIES SHOWN ON THE PLANS ARE PLOTTED FROM AVAILABLE DATA ON FILE WITH THE UTILITY COMPANIES AND ARE NOT WARRANTED AS TO EXACTNESS. CONTRACTOR IS TO DETERMINE EXACT LOCATION AND DEPTH OF UTILITIES AT ALL LOCATIONS PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

HYDRAULIC AND HYDROLOGIC DATA		
DRAINAGE AREA (MI <sup>2</sup> )	0.1625	0.1625
DESIGN DISCHARGE (FT <sup>3</sup> /S)	230	360
DESIGN WATER SURFACE ELEVATION (FT)	236.33	237.49
ENERGY LINE ELEVATION (FT)	237.01	237.97
FREQUENCY	25 YR.	100 YR.

DATUM  
HORIZ NAD83  
VERT NAVD88

HIGH VOLTAGE PROXIMITY ACT

THE CONTRACTOR IS NOTIFIED THAT ALL PROVISIONS OF THE HIGH-VOLTAGE PROXIMITY ACT, P.L. 1948, c. 249 AS AMENDED THROUGH MAY 20, 1987 SHALL BE STRICTLY ADHERED TO. THE CONTRACTOR SHALL ALSO ADHERE TO ALL PROVISIONS OF PART 1926.550, SUBPART N OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF DECEMBER, 1970. PARTICULAR ATTENTION IS DIRECTED TO THE PROVISIONS OF THE ABOVE ACT REQUIRING WARNING SIGNS, NOTIFICATION TO POWER COMPANIES AND RESPONSIBILITY FOR SAFEGUARDS AND PROHIBITED ACTIVITIES.

A COPY OF THE HIGH VOLTAGE PROXIMITY ACT IS AVAILABLE IN THE OFFICE OF THE COUNTY ENGINEER OR MAY BE OBTAINED FROM THE NEW JERSEY DEPARTMENT OF LABOR, DIVISION OF WORKPLACE STANDARDS, OFFICE OF SAFETY COMPLIANCE, CN 386, TRENTON, NEW JERSEY 08625-0386

ALL WORK HAS TO BE DONE UNDER LIVE WIRES, WHICH WILL NOT BE DE-ENERGIZED DURING CONSTRUCTION.

NOTE:  
BEFORE STARTING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND OTHER INTERESTED PARTIES OF THE SCHEDULE AND STARTING DATE. TRAFFIC CONTROL SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES, AND UTILITIES PROTECTED AS REQUIRED BY EACH RESPECTIVE UTILITY OWNER.

\* THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED (2007) AND "ELECTRICAL BUREAU STANDARD DETAILS" (2007) TO GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

RECOMMENDED BY: **THOMAS SOLFARO, P.E., C.M.E., C.P.W.M.**  
TOWNSHIP ENGINEER, TOWNSHIP OF BERKELEY HEIGHTS DATE 11/27/18

APPROVED BY: **ROBERT WOODRUFF**  
MAYOR, TOWNSHIP OF BERKELEY HEIGHTS DATE 11/27/18

RECOMMENDED BY: **THOMAS MINEO, P.E.**  
COUNTY ENGINEER, UNION COUNTY DATE 11/29/18

APPROVED BY: **EDWARD OATMAN**  
COUNTY MANAGER, UNION COUNTY DATE 12/4/18

PREPARED BY:

**MASER CONSULTING P.A.**  
331 Newnan Springs Road  
Suite 203  
Red Bank, N.J. 07701  
Phone (732) 383-1950  
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email: solutions@maserconsulting.com

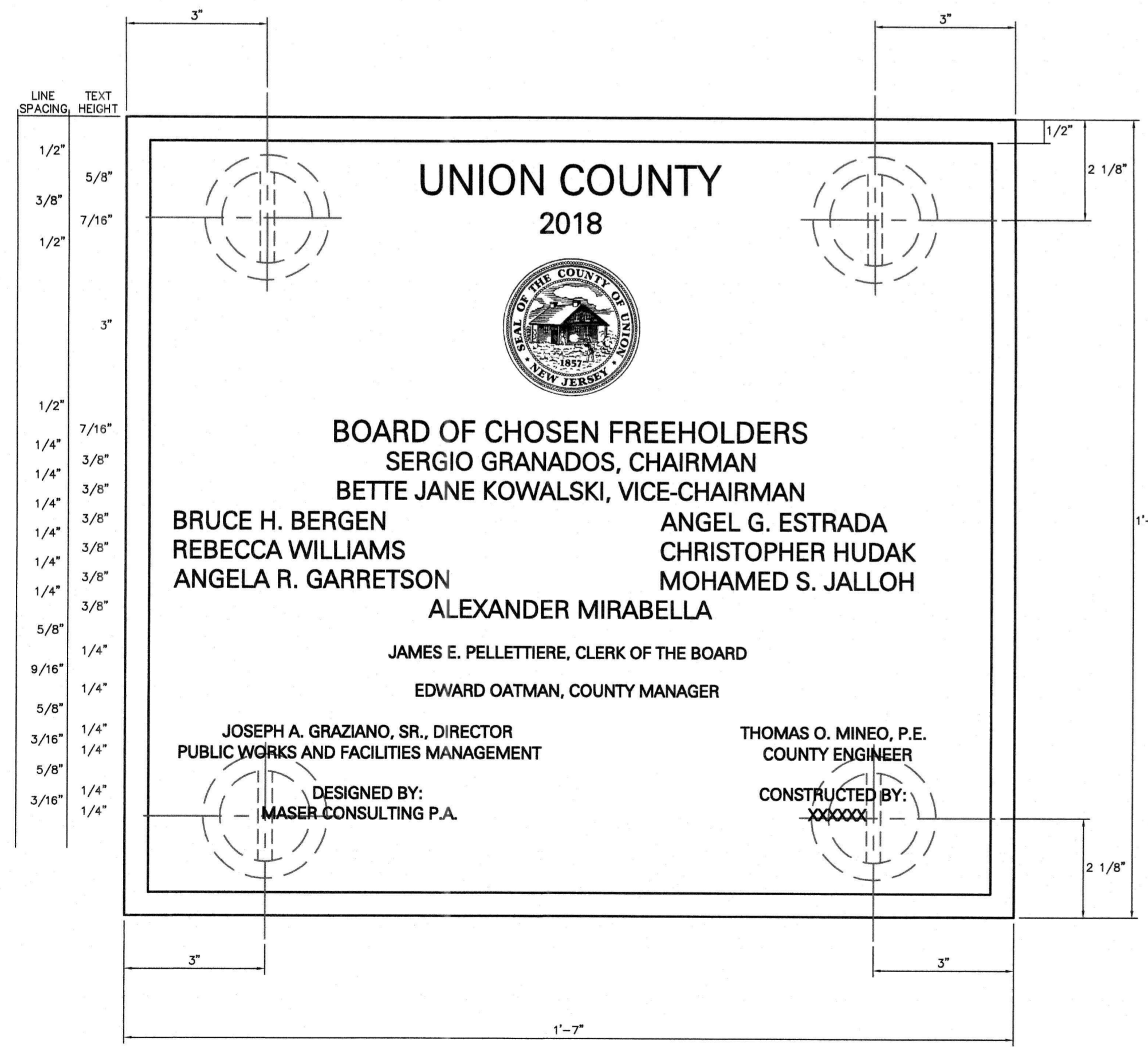
Regional Offices:  
Clinton, N.J.  
Hamilton, N.J.  
Morristown, N.J.  
Mt. Arlington, N.J.  
Mt. Laurel, N.J.  
Albany, N.Y.  
Chestnut Ridge, N.Y.  
Newburgh, N.Y.  
Westchester, N.Y.  
Bethlehem, PA.  
Exton, PA.  
Philadelphia, PA.  
Sterling, VA.  
Tampa, FL.  
Albuquerque, N.M.

**RICHARD C. MALONEY**  
PROFESSIONAL ENGINEER  
NEW JERSEY LIC. NO. 35023  
DATE 12/5/18

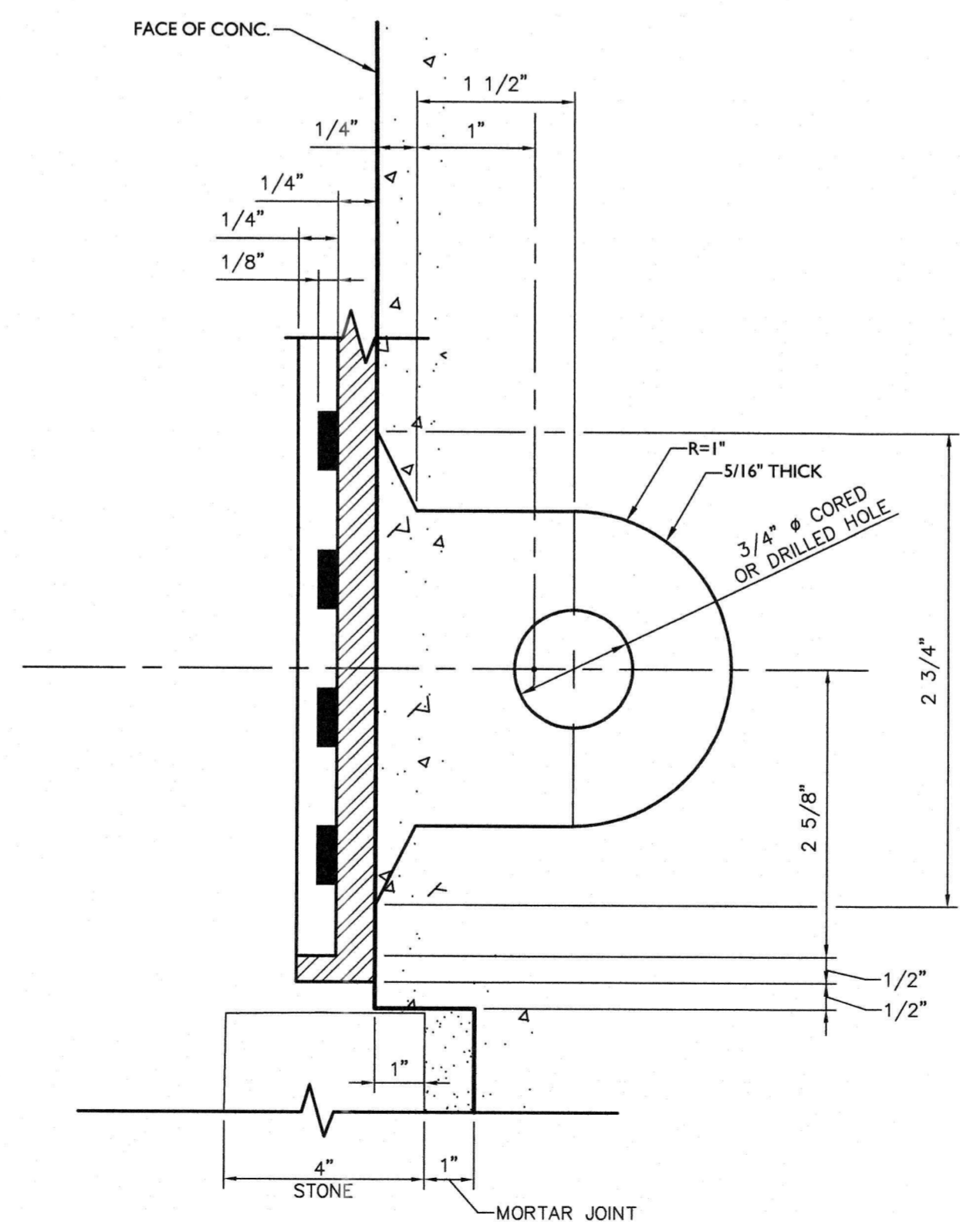
PAY ITEM NO.	TO BE CONSTRUCTED	UNITS	IF AND WHERE DIRECTED	CONTRACT QUANTITY	AS BUILT QUANTITY
1	MOBILIZATION	LS		1	
2	SILT FENCE	LF		102	
3	INLET FILTER, TYPE 2	EA		8	
4	FLOATING TURBIDITY BARRIER, TYPE 1	LF		15	
5	BREAKAWAY BARRICADE	EA		18	
6	CONSTRUCTION SIGNS	SF		215	
7	CONSTRUCTION BARRIER CURB	LF		134	
8	CLEARING SITE, STRUCTURE	LS		1	
9	EXCAVATION, TEST PITS	CY		8	
10	EXCAVATION, UNCLASSIFIED	CY		1,020	
11	1-9 SOIL AGGREGATE	CY		854	
12	SOIL AGGREGATE BASE COURSE, VARIABLE THICKNESS	CY	37	182	
13	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	62	306	
14	COARSE AGGREGATE, SIZE NO. 57	CY		41	
15	HMA MILLING, 3" OR LESS	SY	22	109	
16	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	TONS	9	45	
17	HOT MIX ASPHALT 19 M 64 BASE COURSE	TONS	20	98	
18	REINFORCEMENT STEEL, GALVANIZED	LB		8,720	
19	EPOXY WATERPROOFING	SY		84	
20	CONCRETE WING WALL	CY		51	
21	PRECAST CONCRETE CULVERT	LF		54	
22	BRIDGE COMBINATION RAILING (1-RAIL, ALUMINUM)	LF		39	
23	RETAINING WALL, CAST-IN-PLACE	SF		39	
24	CONCRETE HEADWALL	CY		61	
25	INLET, TYPE DOUBLE B	EA		3	
26	15" REINFORCED CONCRETE PIPE, CLASS III	LF		45	
27	30" REINFORCED CONCRETE PIPE, CLASS III	LF		19	
28	10" HIGH DENSITY POLYETHYLENE PIPE	LF		21	
29	RIPRAP STONE SLOPE PROTECTION, 12" THICK (d50=12")	SY		43	
30	RIPRAP STONE CHANNEL PROTECTION, 18" THICK (d50=12")	SY		48	
31	ORNAMENTAL FENCE	LF		12	
32	CONCRETE SIDEWALK, 4" THICK	SY	12	60	
33	HOT MIX ASPHALT DRIVEWAY, VARIABLE THICKNESS	SY		245	
34	CONCRETE DRIVEWAY, 6" THICK	SY	2	10	
35	GRANITE CURB	LF	37	185	
36	TRAFFIC STRIPES, LONG LIFE, EPOXY RESIN 4"	LF		260	
37	TOPSOILING, 4" THICK	SY	20	96	
38	FERTILIZING AND SEEDING, TYPE A-3	SY	20	96	
39	STRAW MULCHING	SY	20	96	
40	UNIFORMED POLICE OFFICERS	ALLOW		1	
41	BRIDGE PLAQUE	EA		2	
42	RUBBLE STONE MASONRY	SF		310	
43	CONCRETE BRIDGE PARAPET	LF		58	
44	BLUESTONE CAP	SF		179	
45	SMALL DECIDUOUS TREE, 2-1/2" CALIPER	EA		6	

**GENERAL NOTES**

- DESIGN SPECIFICATIONS**  
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR HIGHWAY BRIDGES WITH INTERIMS AS MODIFIED BY SECTION 3 OF NJDOT DESIGN MANUAL FOR BRIDGES AND STRUCTURES.
- CONSTRUCTION SPECIFICATIONS**  
2007 ENGLISH NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH SUPPLEMENTARY SPECIFICATIONS AS MODIFIED BY THE SPECIAL PROVISIONS.
- DESIGN LOADS**  
(A) LIVE LOADS: HL-93 OR TANDEM 25 KIP AXLES AT 4 FEET CENTERS, LANE LOAD, WHICHEVER GOVERNS, AND AASHTO PEDESTRIAN LOAD.  
(B) DEAD LOADS: INCLUDES 25 POUNDS PER SQUARE FOOT, PROVISION FOR FUTURE 2" WEARING SURFACE.
- CAST-IN-PLACE CONCRETE**  
(A) ALL CAST-IN-PLACE CONCRETE SHALL BE IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS AND BRIDGE DESIGN MANUAL.  
(B) ALL EXPOSED OUTSIDE CONCRETE CORNERS SHALL HAVE 3/4 INCH CHAMFER.  
(C) THE CONCRETE FOR THE HEADWALLS, WINGWALLS, PARAPETS, PYLONS, AND SIDEWALK SHALL HAVE A CORROSION INHIBITOR THAT CONFORMS TO THE NJDOT STANDARD SPECIFICATIONS. COST FOR THIS ADMIXTURE SHALL BE INCLUDED WITHIN THE VARIOUS CONCRETE ITEMS.  
(D) CALCIUM CHLORIDE OR ANY OTHER ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED IN ANY CONCRETE.
- STEEL REINFORCEMENT**  
REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. REINFORCING BARS SHALL BE GALVANIZED.
- BORINGS**  
INDICATES LOCATION OF BORING LOG NO.
- STREAMBED**  
THE STREAMBED SHALL CONSIST OF NATURAL FILL MATERIAL.
- FOUNDATIONS**  
EXISTING SOILS:  
INTERNAL FRICTION ANGLE = 32°  
MINIMUM FACTOR OF SAFETY:  
OVERTURNING = 2.0  
SLIDING = 1.5  
  
MAX. ALLOWABLE BEARING PRESSURE = 4,000 PSF
- PRECAST CONCRETE**  
(A) PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS AND BRIDGE DESIGN MANUAL.  
(B) ALL LIFTING HOLES AND KEYWAYS SHALL BE FILLED WITH NONSHRINK GROUT.  
(C) PRECASTING PLANT SHALL PROVIDE ONE COAT OF AN EPOXY WATERPROOFING SEALANT ON THE EXTERIOR OF THE ROOF SLAB, EXCEPT AT SIDEWALKS, AND SIDES OF PRECAST UNITS. IN ADDITION, ANY TOP SLAB HOLE POCKETS OR LIFTING HOLES, WHICH ARE GROUTED IN THE FIELD, SHALL RECEIVE ONE COAT OF EPOXY WATERPROOFING SEALANT AFTER GROUT HAS PROPERLY CURED.  
(D) PRIOR TO BACKFILLING, A 2 FOOT WIDE STRIP OF FILTER FABRIC SHALL BE PLACED OVER THE TOP AND SIDE TRANSVERSE JOINTS.  
(E) PLACE BACKFILL MATERIAL IN 8-INCH LIFTS OR LESS. WHEN PLACING BACKFILL, ENSURE THAT THE DIFFERENCE BETWEEN THE HEIGHTS OF THE BACKFILL ON THE OPPOSITE SIDES OF THE STRUCTURE DOES NOT EXCEED 12 INCHES. USE MECHANICAL TAMPERS TO COMPACT THE BACKFILL ADJACENT TO EACH SIDE OF THE UNITS AND OVER THE TOP OF THE UNITS UNTIL THEY ARE COVERED. DO NOT OPERATE HEAVY EQUIPMENT (WEIGHING IN EXCESS OF 12 TONS) OVER THE STRUCTURE UNTIL A DEPTH OF BACKFILL HAS BEEN PLACED THAT WILL SUPPORT THE EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF THE STREAM FLOW AND PROTECTION OF THE NEW CULVERT STRUCTURE DURING CONSTRUCTION. FOR THIS PURPOSE, THE CONTRACTOR HAS THE OPTION OF USING COFFERDAMS, TEMPORARY PILES, OR ANY OTHER FEASIBLE MEASURES OR STREAM DIVERSION TECHNIQUES, AS APPROVED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE "TEMPORARY COFFERDAMS" ITEM.
- CONTRACTOR SHALL NOT REMOVE ANY TREES AT THE JOB SITE WITHOUT PRIOR APPROVAL BY THE ENGINEER. THE LIMITS OF TREE REMOVAL SHALL BE WITHIN THE PROJECT LIMITS, INCLUDING THE EASEMENT AREAS. PAYMENT FOR TREE REMOVAL SHALL BE INCLUDED UNDER "CLEARING SITE" ITEM. THE CONTRACTOR SHALL REPLANT TREES AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND IF AND WHERE DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER THE BID ITEM "SMALL DECIDUOUS TREE, 2-1/2" CALIPER".
- LANDSCAPING CONSISTS OF THE FOLLOWING ITEMS:  
• TOPSOILING, 4" THICK  
• FERTILIZING AND SEEDING, TYPE A-3  
• STRAW MULCHING
- THE CONTRACTOR SHALL USE TEMPORARY COFFERDAMS FOR PROTECTION OF ANY OPEN EXCAVATION IF NEEDED DURING CONSTRUCTION.
- NJDEP PERMITS:**  
2001-16-0003; 1 FWA160001 - FLOOD HAZARD AREA INDIVIDUAL PERMIT  
2001-16-0003; 1 FWW1600001 - FRESHWATER WETLANDS GENERAL PERMIT NO. 10A  
  
(A) IN ORDER TO PROTECT THE GENERAL GAME FISHERY RESOURCES WITHIN THE TRIBUTARY TO THE PASSAIC RIVER, ANY REGULATED IN-WATER ACTIVITY WITHIN THE 50 FOOT RIPARIAN ZONE, WHICH WOULD LIKELY INTRODUCE SEDIMENT INTO THE WATER COURSE AND/OR INCREASE ITS TURBIDITY, IS PROHIBITED BETWEEN MAY 1 AND JUNE 30.
- SOMERSET-UNION SCD - EXEMPT DUE TO ESTIMATED TOTAL LAND DISTURBANCE OF LESS THAN 5000 SF.
- CONCRETE DESIGN STRESSES**  
(A) DESIGN COMPRESSIVE STRENGTHS - (FC)  
CLASS A 4,000 PSI  
CLASS B 3,000 PSI  
CLASS P 5,000 PSI  
(B) CLASS MIX DESIGN STRENGTHS  
(IN ACCORDANCE WITH TABLE 903.03.06-3 OF THE NJDOT STANDARD SPECIFICATIONS)  
CLASS A 4,600 PSI  
CLASS B 3,700 PSI  
CLASS P 5,500 PSI



BRIDGE PLAQUE DETAIL  
SCALE: NTS



MOUNTING BRACKET DETAIL  
SCALE: NTS

**NOTES:**

- SEE SHEET 6 FOR LOCATION OF BRIDGE PLAQUES.
- BRIDGE PLAQUE SHALL BE CAST BRONZE WITH RAISED LETTERS AND BORDERS ON MATTED BACKGROUND.
- NAMES SHOWN ABOVE ARE SUBJECT TO CHANGE IN THE YEAR OF CONSTRUCTION.
- TEXT AND TEXT LAYOUT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY ENGINEER PRIOR TO CASTING.

COUNTY OF UNION, DIVISION OF ENGINEERING  
THOMAS MINEO, P.E., COUNTY ENGINEER

REPLACEMENT OF COUNTY BRIDGE NO. Be-26  
MOUNTAIN AVENUE MINOR BRIDGE,  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

ESTIMATE OF QUANTITIES, BRIDGE PLAQUE  
AND GENERAL NOTES

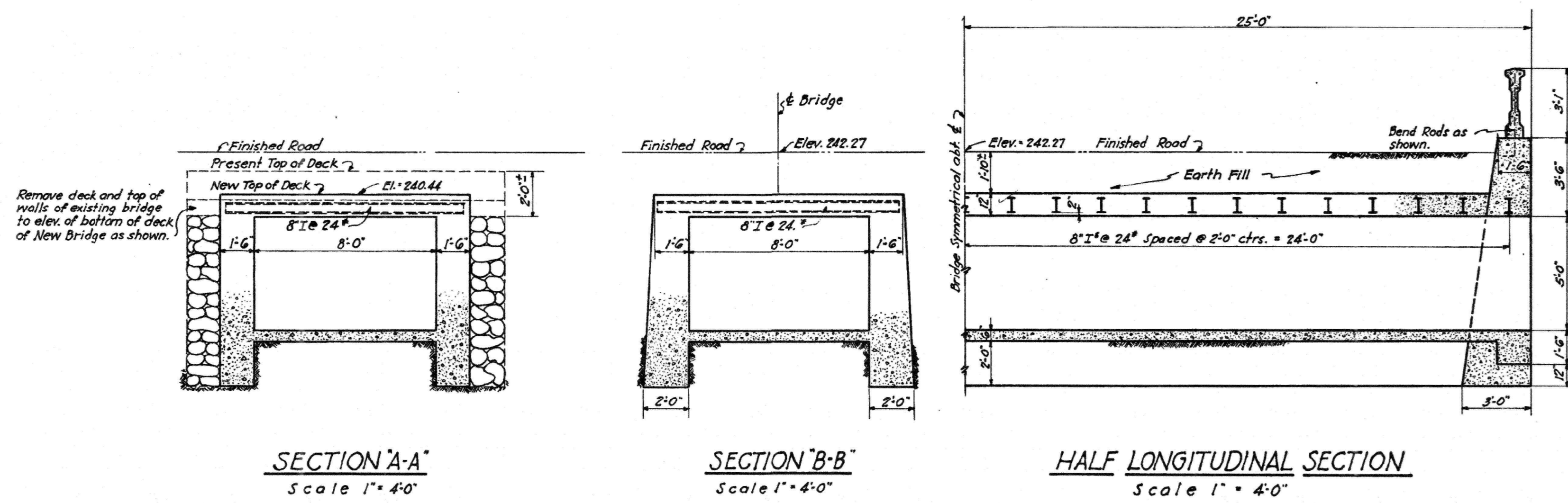
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REV.	DATE	DRAWN BY	DESCRIPTION			

**RICHARD C. MALONEY**  
NEW JERSEY PROFESSIONAL  
ENGINEER - LICENSE NUMBER: GE9023

**MASER**  
CONSULTING, ARCHITECT & CONSTRUCTION SERVICES  
337 Newnam Service Road  
Suite 203  
Ridgely, NJ 07071  
Phone (732) 383-1800  
Fax (732) 383-1864

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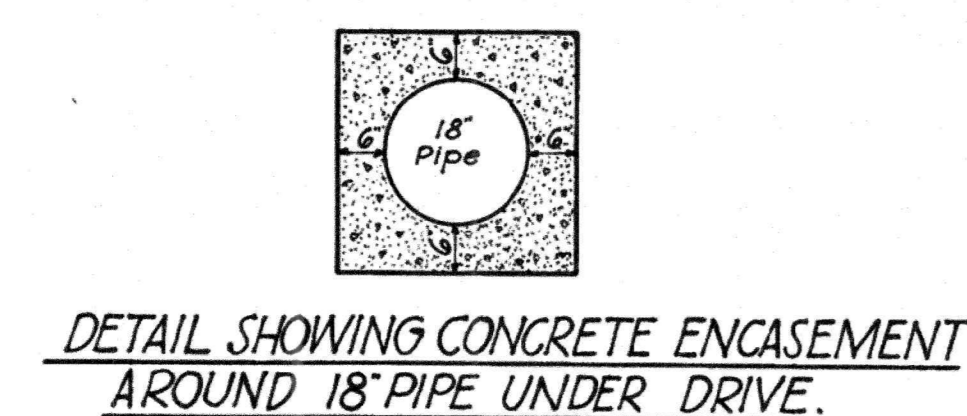




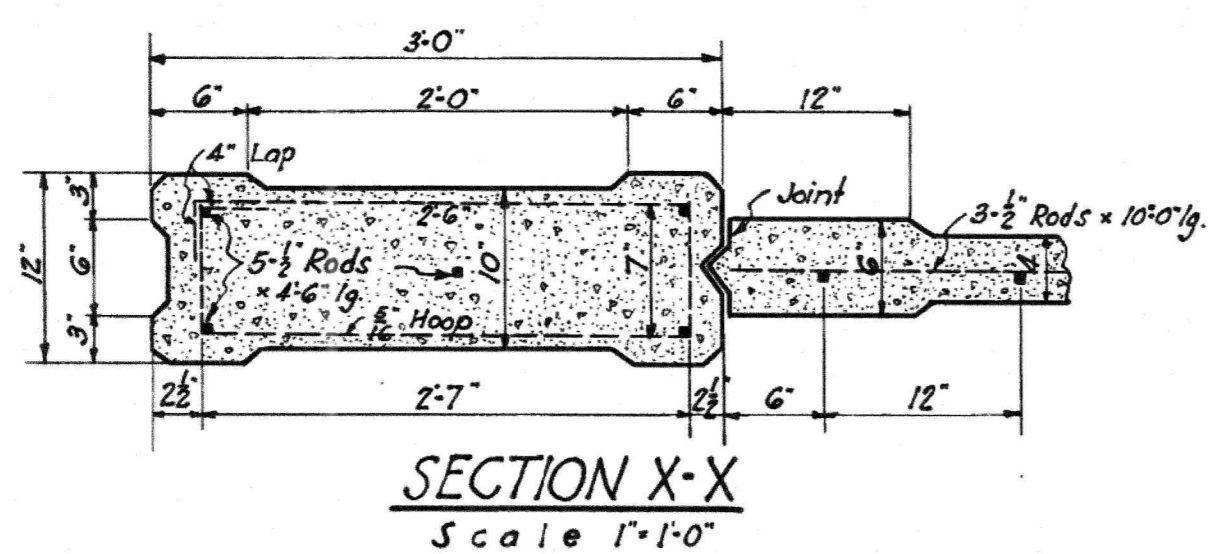
SECTION A-A  
Scale 1" = 4'-0"

SECTION B-B  
Scale 1" = 4'-0"

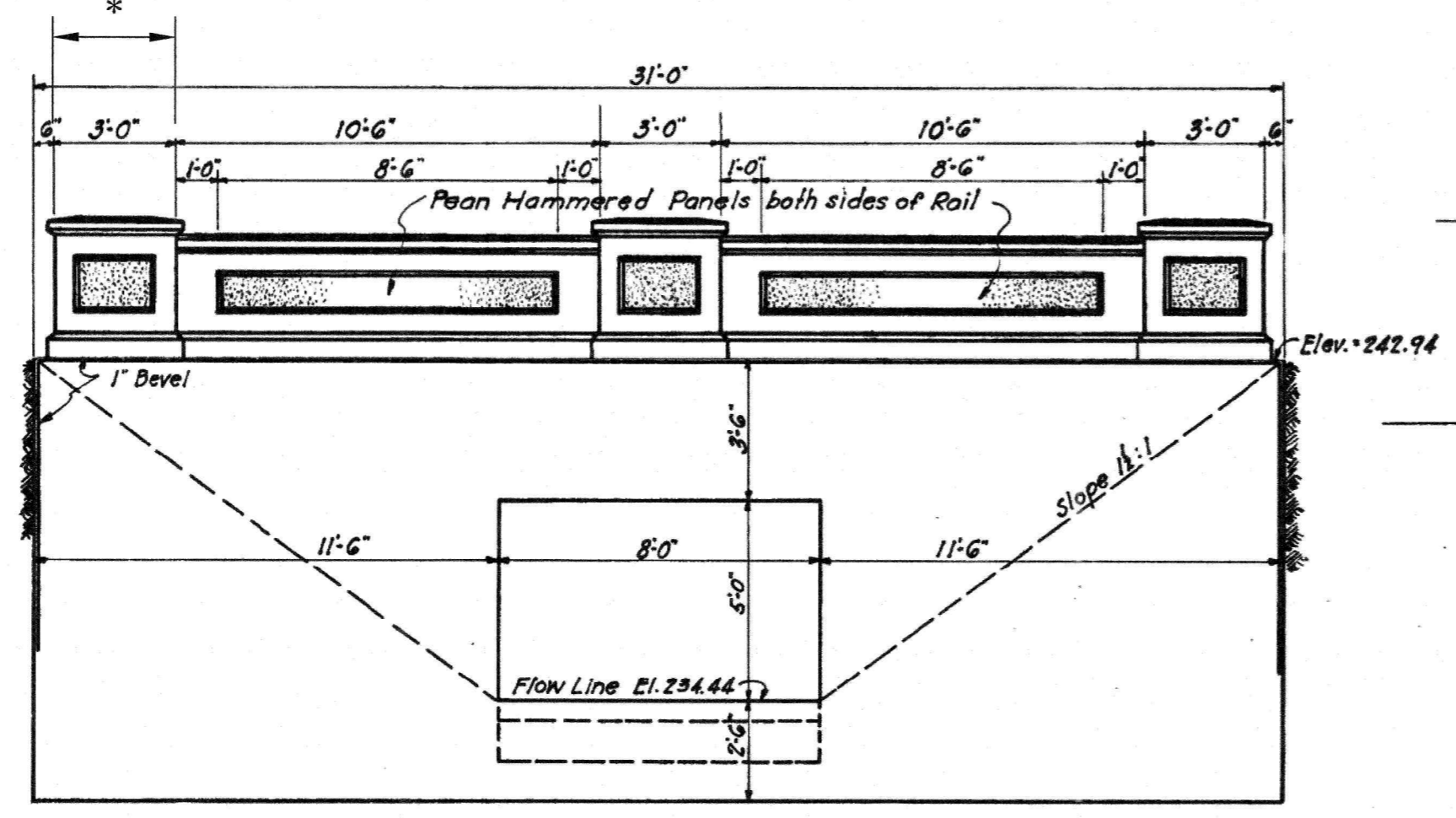
HALF LONGITUDINAL SECTION  
Scale 1" = 4'-0"



DETAIL SHOWING CONCRETE ENCASEMENT  
AROUND 18" PIPE UNDER DRIVE.

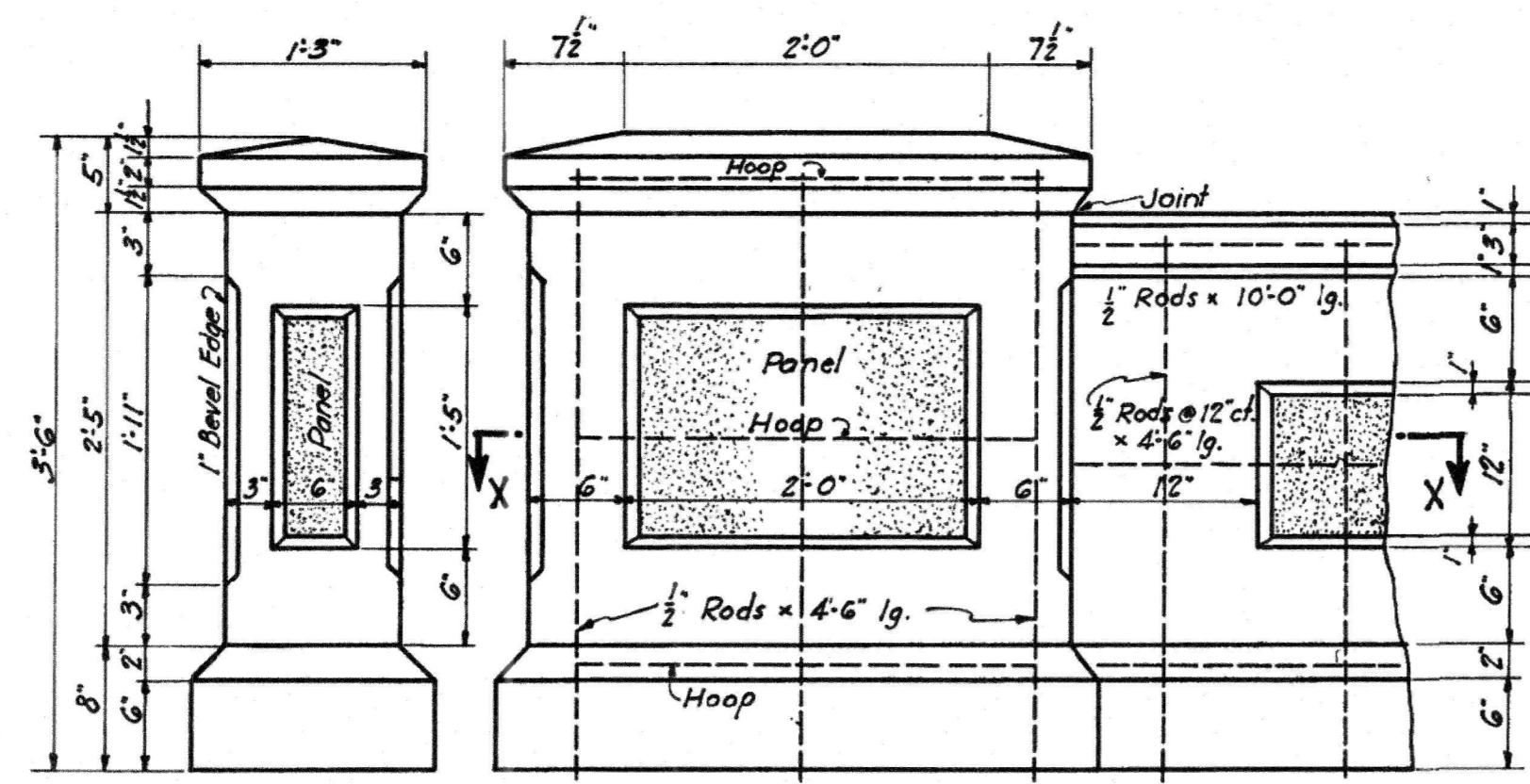


SECTION X-X  
Scale 1" = 1'-0"

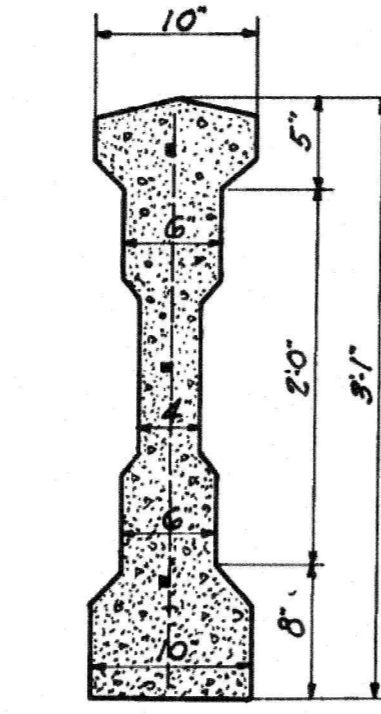


SOUTH END ELEVATION (NORTH END SIMILAR)  
Scale 1" = 4'-0"

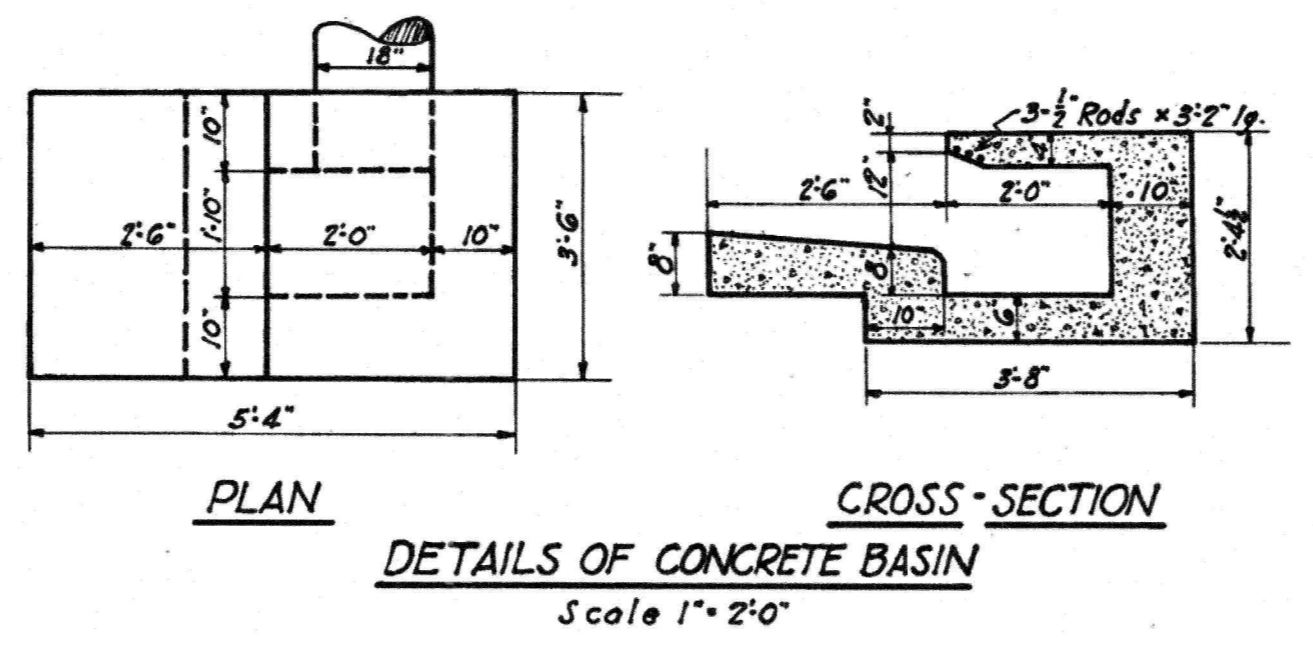
\* PANEL HAS BEEN REMOVED  
AT NORTH EAST CORNER



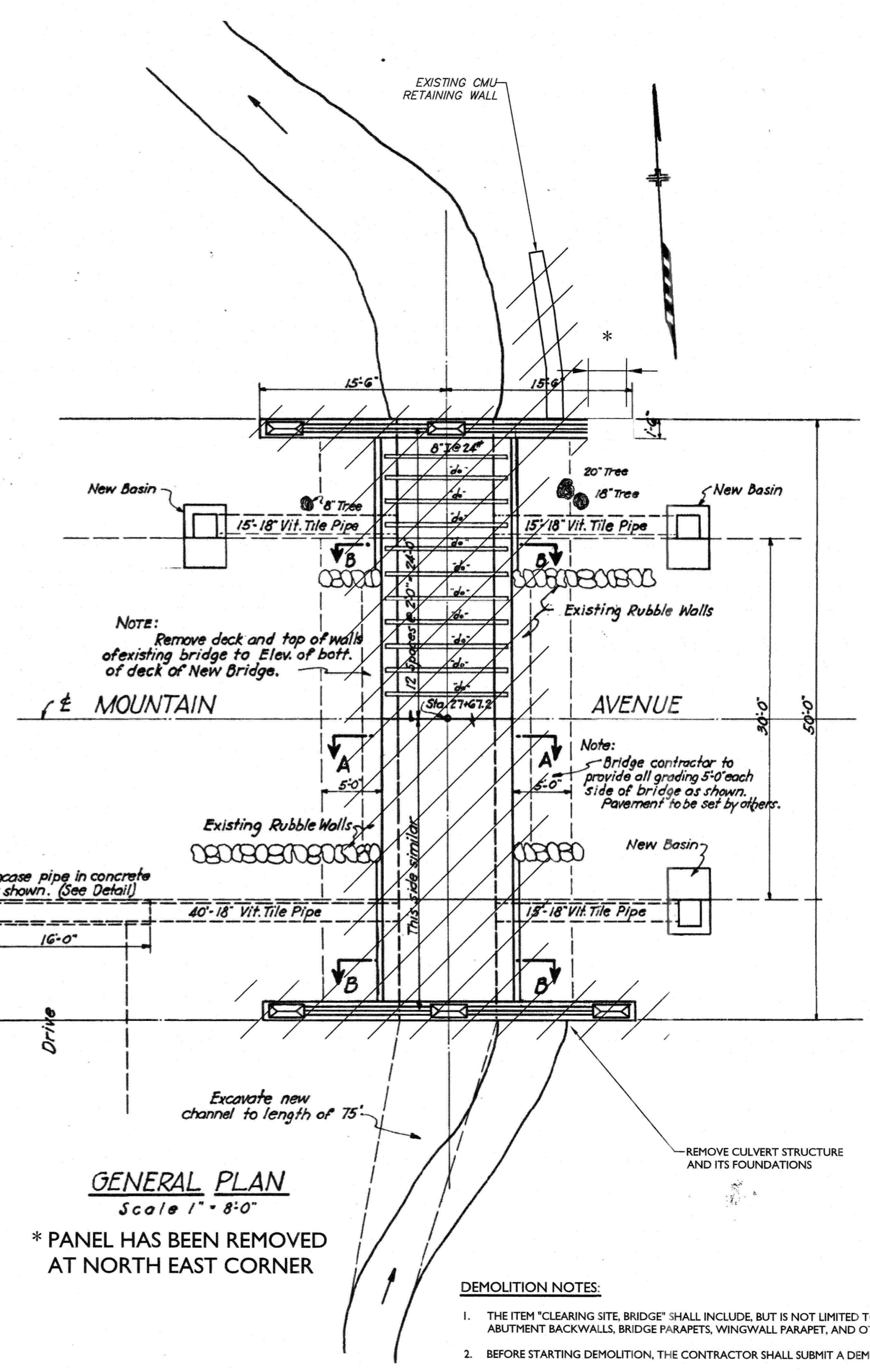
END VIEW OF POST  
Scale 1" = 1'-0"



RAIL SECTION  
1" = 1'-0"



PLAN  
CROSS-SECTION  
DETAILS OF CONCRETE BASIN  
Scale 1" = 2'-0"



GENERAL PLAN  
Scale 1" = 8'-0"

\* PANEL HAS BEEN REMOVED  
AT NORTH EAST CORNER

DEMOLITION NOTES:

1. THE ITEM "CLEARING SITE, BRIDGE" SHALL INCLUDE, BUT IS NOT LIMITED TO THE REMOVAL AND DISPOSAL OF ALL THE FRAMING, DECK, ABUTMENT BACKWALLS, BRIDGE PARAPETS, WINGWALL PARAPET, AND OTHER BRIDGE COMPONENTS AS SHOWN ON DRAWINGS.
2. BEFORE STARTING DEMOLITION, THE CONTRACTOR SHALL SUBMIT A DEMOLITION PROCEDURE PLAN FOR REVIEW.
3. DURING DEMOLITION, THE CONTRACTOR SHALL NOT PERMIT DEBRIS TO FALL INTO THE STREAM. ADEQUATE CARE SHALL BE TAKEN TO PREVENT DEBRIS AND UNWANTED MATERIALS FROM FALLING INTO THE STREAM. HOWEVER, IF THIS HAPPENS, THE CONTRACTOR SHALL REMOVE THE DEBRIS IMMEDIATELY AT NO ADDITIONAL COST TO THE COUNTY.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY EQUIPMENT AND METHODS TO KEEP EXCAVATIONS FREE OF WATER AND TO PROTECT WORK FROM DAMAGE BY WATER DURING ALL STAGES OF CONSTRUCTION.
5. STREAM FLOW MUST BE MAINTAINED DURING CONSTRUCTION. NO MATERIAL FROM EXCAVATION SHALL ENTER THE STREAM BED.
6. DETAILS OF EXISTING STRUCTURES SHOWN ON THIS PLAN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INTENDED TO BE COMPLETE OR ALL INCLUSIVE. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE OF THE PROPOSED PROJECT BEFORE SUBMITTING A PROPOSAL. THE INFORMATION SHOWN SHALL NOT BE CONSTRUED IN ANY WAY AS A WAIVER FOR THE BIDDER TO MAKE SUCH INDEPENDENT INVESTIGATION AND EXAMINATION AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN THE PERFORMANCE OF THE DEMOLITION WORK.
7. EXISTING BRIDGE SUPERSTRUCTURE (DECK, BEAMS, SIDEWALKS, RAILS, ABUTMENT BACKWALLS, BRIDGE PARAPETS) AND WINGWALL PARAPETS SHALL BE REMOVED IN THEIR ENTIRETY AS SHOWN ON PLANS.

EXISTING DRAWING NOTES:

1. ELEVATIONS SHOWN HEREON BASED ON THE EXISTING DRAWING, DATED APRIL 22, 1930. THERE IS NO DATUM INDICATED FOR THESE ELEVATIONS. THEREFORE, THEY CANNOT BE REFERENCED TO THE DESIGN SURVEY PLANS.
2. THIS DRAWING DEPICTS 1930 CONCRETE & STEEL BEAM BRIDGE PROJECT AS-BUILT DRAWINGS. EXISTING DIMENSIONS MAY DIFFER. CONTRACTOR SHALL VERIFY PRIOR TO DEMOLITION.

COUNTY OF UNION, DIVISION OF ENGINEERING  
THOMAS MINEO, P.E., COUNTY ENGINEER

REPLACEMENT OF COUNTY BRIDGE NO. Be-26  
MOUNTAIN AVENUE MINOR BRIDGE,  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

EXISTING BRIDGE PLAN, SECTIONS AND DETAILS

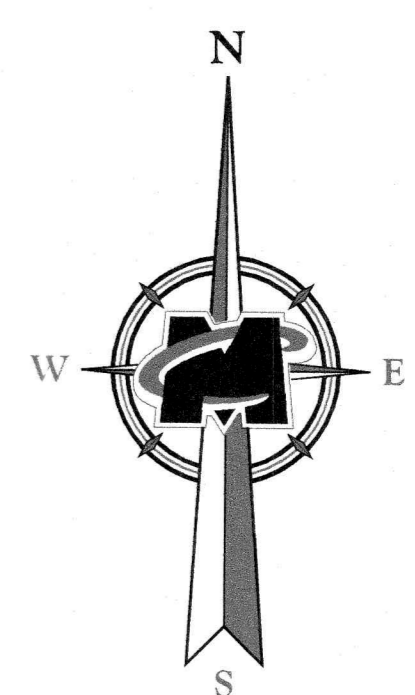
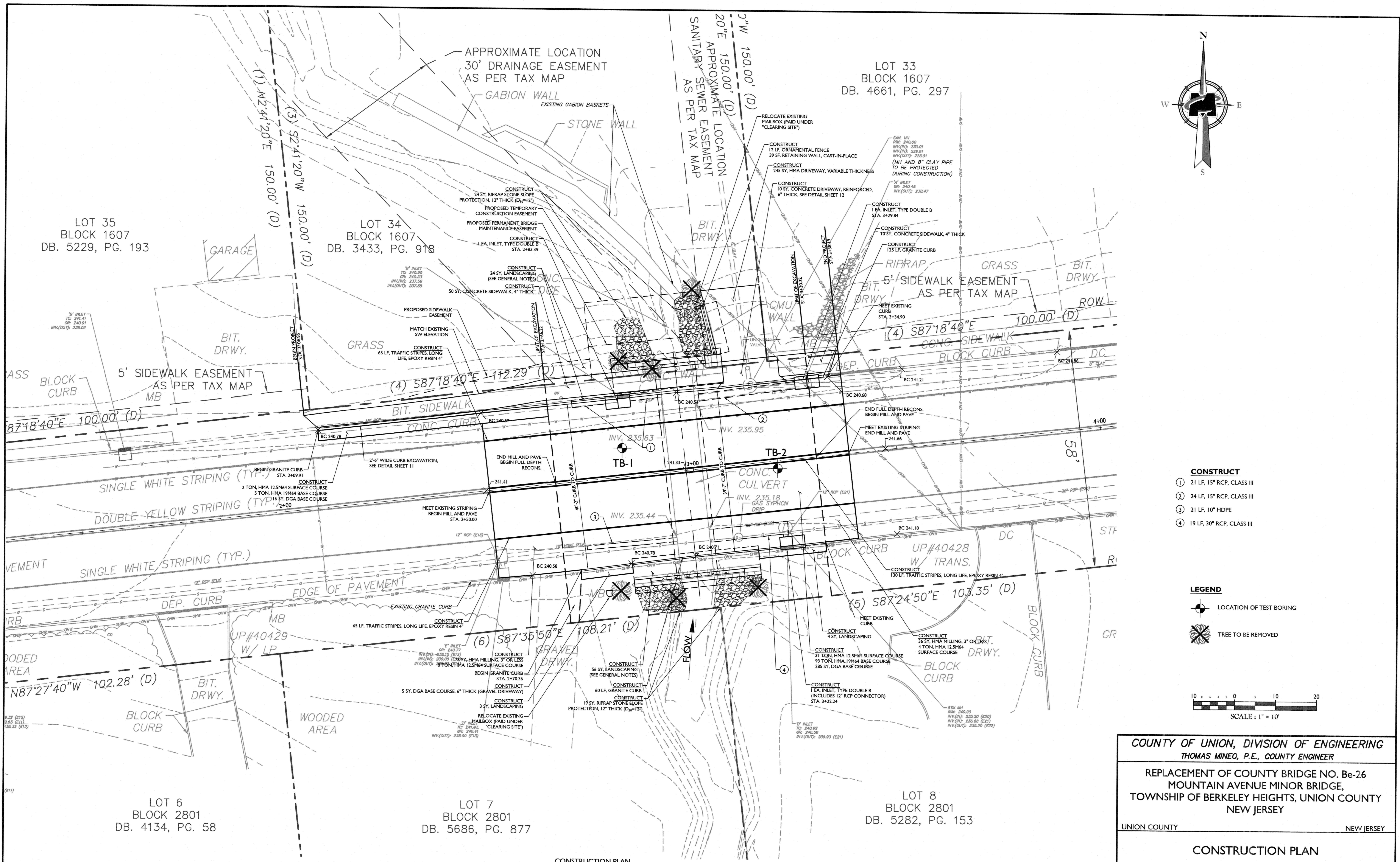
scale:            drawn by NHC checked by AMI date DEC. 2018

RICHARD C. MALONEY  
NEW JERSEY PROFESSIONAL  
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Civil, Mechanical & Environmental Engineers  
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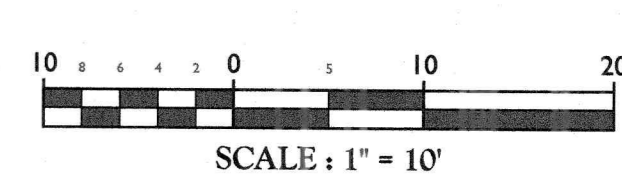
3 of 13  
14002456G

REV.	DATE	DRAWN BY	DESCRIPTION



- CONSTRUCT**
- ① 21 LF, 15" RCP, CLASS III
  - ② 24 LF, 15" RCP, CLASS III
  - ③ 21 LF, 10" HDPE
  - ④ 19 LF, 30" RCP, CLASS III

- LEGEND**
- LOCATION OF TEST BORING
  - TREE TO BE REMOVED



LOT 35  
BLOCK 1607  
DB. 5229, PG. 193

LOT 34  
BLOCK 1607  
DB. 3433, PG. 918

LOT 33  
BLOCK 1607  
DB. 4661, PG. 297

LOT 6  
BLOCK 2801  
DB. 4134, PG. 58

LOT 7  
BLOCK 2801  
DB. 5686, PG. 877

LOT 8  
BLOCK 2801  
DB. 5282, PG. 153

**NOTES:**

1. PROPOSED ROADWAY SURFACE ELEVATIONS AT CENTERLINE, GUTTERLINES, BOT/CURBS SHALL MATCH EXISTING.
2. CONTRACTOR SHALL CONSTRUCT AND REMOVE A TEMPORARY PEDESTRIAN BYPASS BRIDGE, BRIDGE ABUTMENTS, AND TEMPORARY PATHWAY AS NEEDED. LOCATION OF THE BYPASS AND TEMPORARY WALKWAY SHALL BE DETERMINED DURING CONSTRUCTION IN COORDINATION WITH THE COUNTY, AND AS APPROVED BY THE ENGINEER. ALL LABOR AND MATERIAL COSTS SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY STRUCTURE, PEDESTRIAN BRIDGE".

**COUNTY OF UNION, DIVISION OF ENGINEERING**  
THOMAS MINEO, P.E., COUNTY ENGINEER

**REPLACEMENT OF COUNTY BRIDGE NO. Be-26**  
MOUNTAIN AVENUE MINOR BRIDGE,  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

**CONSTRUCTION PLAN**

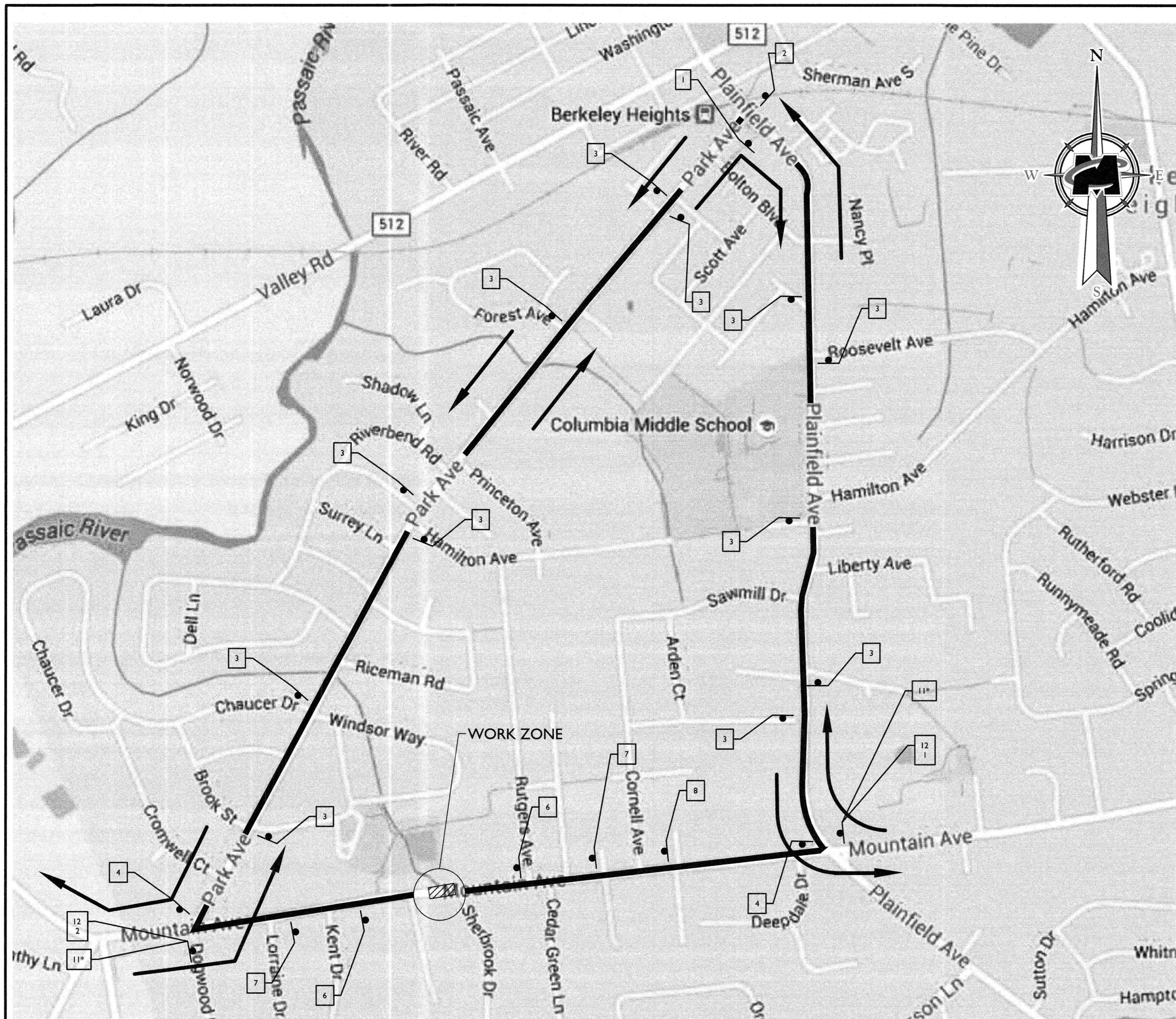
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REV.	DATE	DRAWN BY	DESCRIPTION
1	10/27/18	SF	ADDRESSED DOT COMMENTS

**RICHARD C. MALONEY**  
ENGINEER - LICENSE NUMBER: GE39023

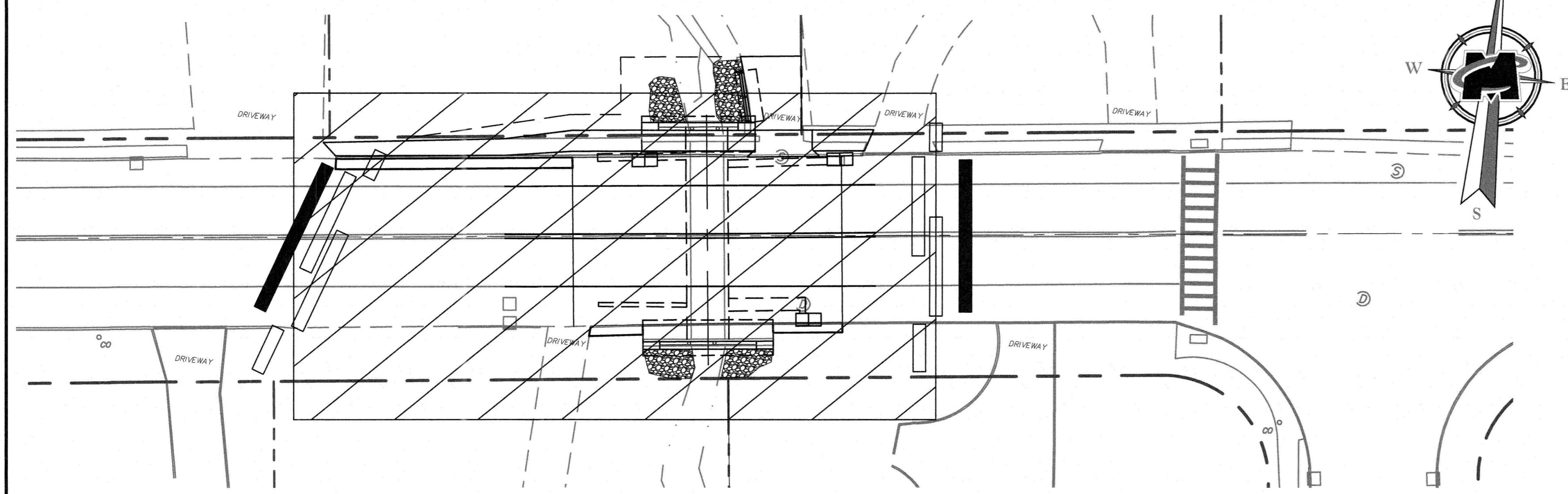
**MASER**  
RED BANK OFFICE  
331 Heerman Springs Road  
Suite 203  
Red Bank, N.J. 07701  
Phone: (732) 363-1850  
Fax: (732) 363-1864

**4 of 13**  
14002456G



PLAN  
SCALE: 1" = 500' - 0"

NOTE:  
\* THE ADVANCE WARNING SIGNS (TYPE 11) ARE TO BE POSTED A MINIMUM OF 2 WEEKS BUT NOT MORE THAN 3 WEEKS PRIOR TO THE EFFECTIVE DATE OF THE DETOUR, AND ARE TO BE REMOVED AT THE START OF CONSTRUCTION.



WORK ZONE  
SCALE: 1" = 20' - 0"

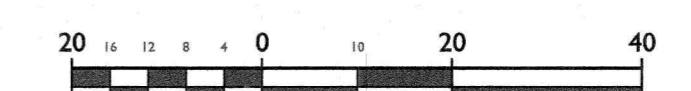
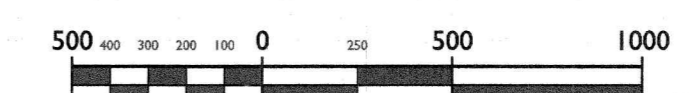
STANDARD SIGNS					
	SIGN DESIGN	SIGN TYPE	SIGN SIZE	MOUNT TYPE	NUMBER REQUIRED
1		M4-9R	30"x24"	POST TYPE	2
2		M4-9L	30"x24"	POST TYPE	2
3		M4-9S	30"x24"	POST TYPE	12
4		M4-8a	24"x18"	POST TYPE	2
5		R11-2	48"x30"	POST TYPE	0
6		W20-3a	36"x36"	POST TYPE	2
7		W20-3b	36"x36"	POST TYPE	2
8		W20-1	36"x36"	POST TYPE	1

SPECIAL SIGNS					
NO.	SIGN DESIGN	COLOR	SIGN SIZE	MOUNT TYPE	NUMBER REQUIRED
9		BLACK ON ORANGE	48"x30"	POST TYPE	0
10		BLACK ON ORANGE	30"x15"	POST TYPE	0
11		BLACK ON ORANGE	72"x42"	POST TYPE	2
12		BLACK ON ORANGE	72"x42"	POST TYPE	2

GENERAL NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AS AMENDED.
- SPECIAL SIGNS SHALL BE FABRICATED IN ACCORDANCE WITH THE "STANDARD HIGHWAY SIGNS" AND "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS," PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION, AS AMENDED.
- IF, WHEN, AND AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL SUPPLY AND PLACE ADDITIONAL SIGNS AND TRAFFIC CONTROL DEVICES.
- THE PLANS SHOW SCHEMATICALLY THE POSITION OF THE TEMPORARY CONSTRUCTION ITEMS. FIELD CONDITIONS MAY VARY THE CONFIGURATION SOMEWHAT. THE ACTUAL POSITIONING OF ANY TEMPORARY ITEM SHALL BE APPROVED BY THE ENGINEER.
- TEMPORARY SIGNS SHALL NOT BE PLACED AT ANY LOCATION WHERE THEY ARE OBSCURED BY TEMPORARY OR PERMANENT OBJECTS.
- ACCESS TO PROPERTIES ADJACENT TO THE CONSTRUCTION AREA SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
- ALL LETTERS ON "SPECIAL SIGNS" TO BE 4 INCHES HIGH.
- CONTRACTOR SHALL PLACE TEMPORARY CONCRETE BARRIER CURB SECTIONS AT BOTH SIDES OF WORK ZONE. THESE BARRIERS NEED NOT BE ANCHORED, AND CAN BE SHIFTED ASIDE IN ORDER TO PROVIDE ACCESS FOR CONSTRUCTION MATERIALS AND EQUIPMENT INTO THE WORK AREA WITH NO SEPARATE PAYMENT ALLOWED. POSITIVE CLOSURE SHALL BE MAINTAINED BETWEEN THE PRECAST CONCRETE CURBS DURING NONWORKING HOURS.
- THE CONTRACTOR MUST NOTIFY THE TOWNSHIP, POLICE, EMERGENCY SERVICES, AND BOARD OF EDUCATION 3 WEEKS (MIN.) BEFORE CLOSING MOUNTAIN AVENUE.
- WHERE A ROAD CONSTRUCTION AREA IS ADJACENT TO SIDEWALKS, ORANGE PLASTIC RETRO-REFLECTIVE CONSTRUCTION FENCING SHALL BE USED FOR PEDESTRIAN PROTECTION.
- ONLY TYPE III BREAKAWAY BARRICADES THAT ARE NCHRP-350 COMPLIANT SHALL BE USED. WOODEN BARRICADES ARE NOT ALLOWED. IN ADDITION, FLASHING/STEADY WARNING LIGHTS SHALL NOT BE AFFIXED TO ANY SIGN OR BARRICADE. ALL SIGNS MOUNTED ON BARRICADES SHALL BE CONSTRUCTED OF LIGHT STOCK MATERIAL. SEE NJDOT STANDARD DRAWING CD-159-1 FOR DETAILS.

- LEGEND
- PRECAST CONCRETE CONSTRUCTION BARRIER CURB
  - BREAKAWAY BARRICADE
  - TRAFFIC SIGN
  - WORK ZONE



COUNTY OF UNION, DIVISION OF ENGINEERING  
THOMAS MINEO, P.E., COUNTY ENGINEER

REPLACEMENT OF COUNTY BRIDGE NO. Be-26  
MOUNTAIN AVENUE MINOR BRIDGE,  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

DETOUR PLAN

scale:            drawn by NHC checked by AMI date DEC. 2018

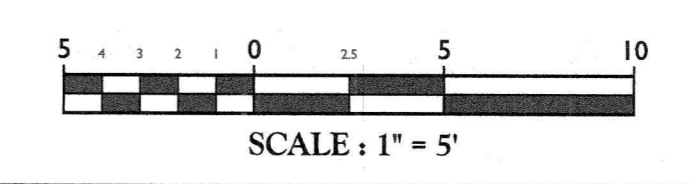
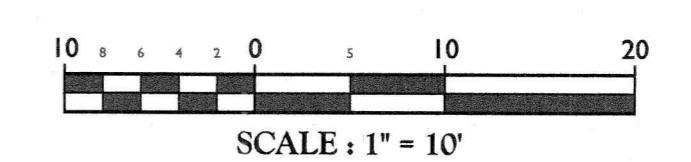
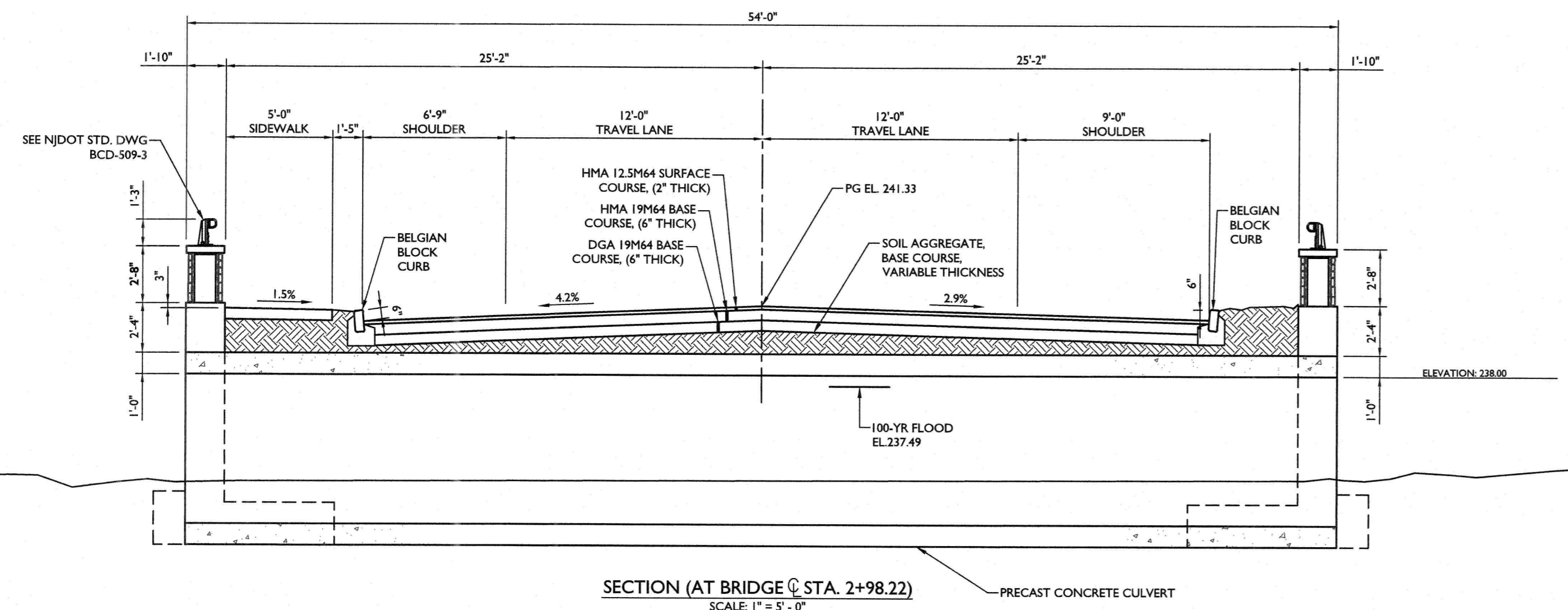
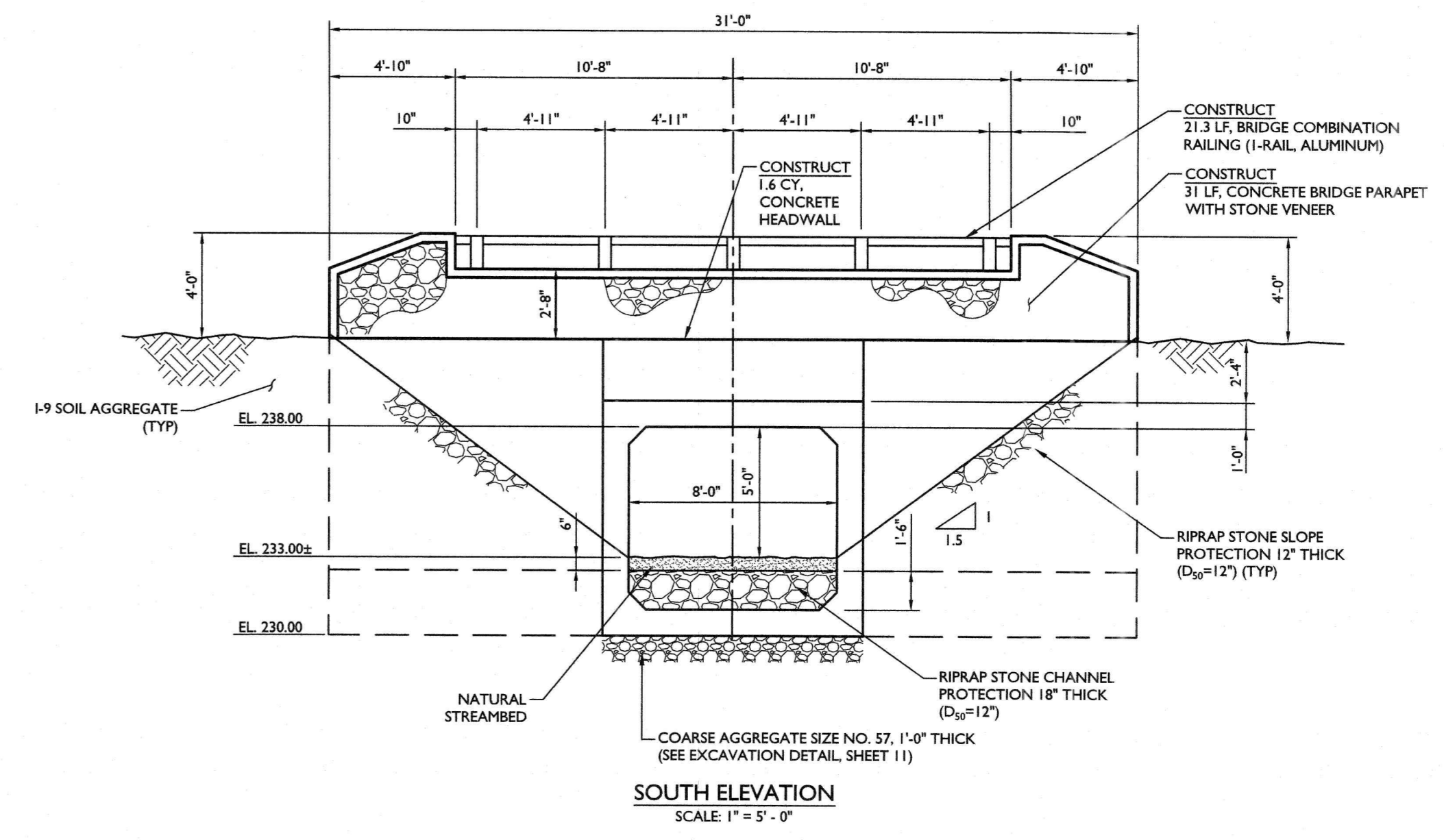
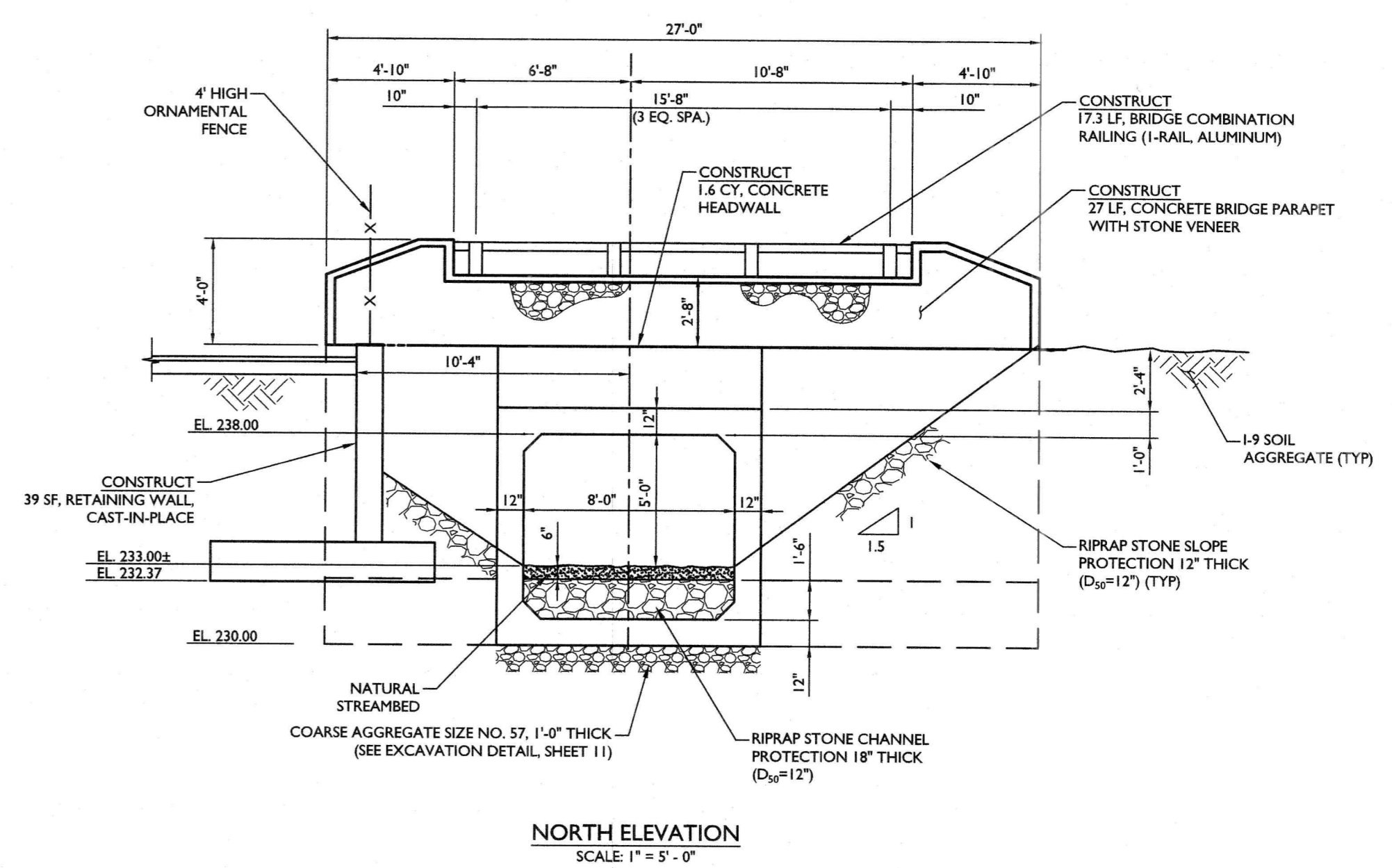
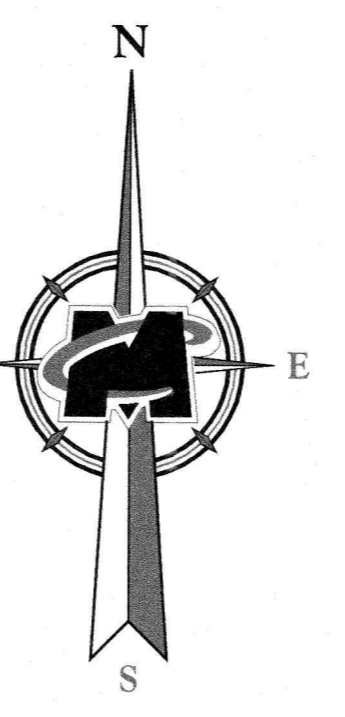
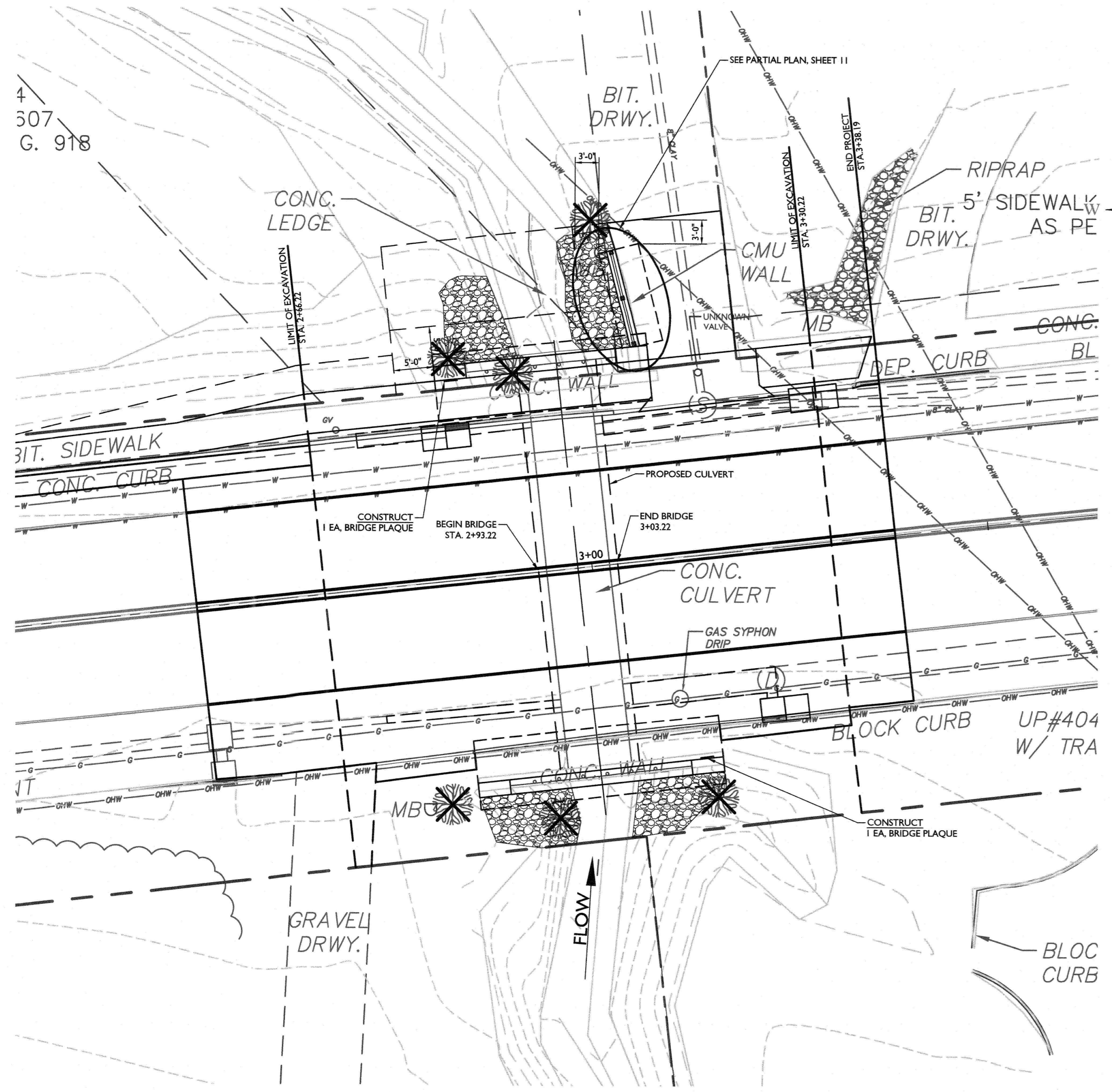
RICHARD C. MALONEY  
NEW JERSEY PROFESSIONAL  
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REV.	DATE	DRAWN BY	DESCRIPTION

4  
307  
G. 918



COUNTY OF UNION, DIVISION OF ENGINEERING  
THOMAS MINEO, P.E., COUNTY ENGINEER

REPLACEMENT OF COUNTY BRIDGE NO. Be-26  
MOUNTAIN AVENUE MINOR BRIDGE,  
TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

PROPOSED BRIDGE PLAN, SECTION, AND ELEVATIONS

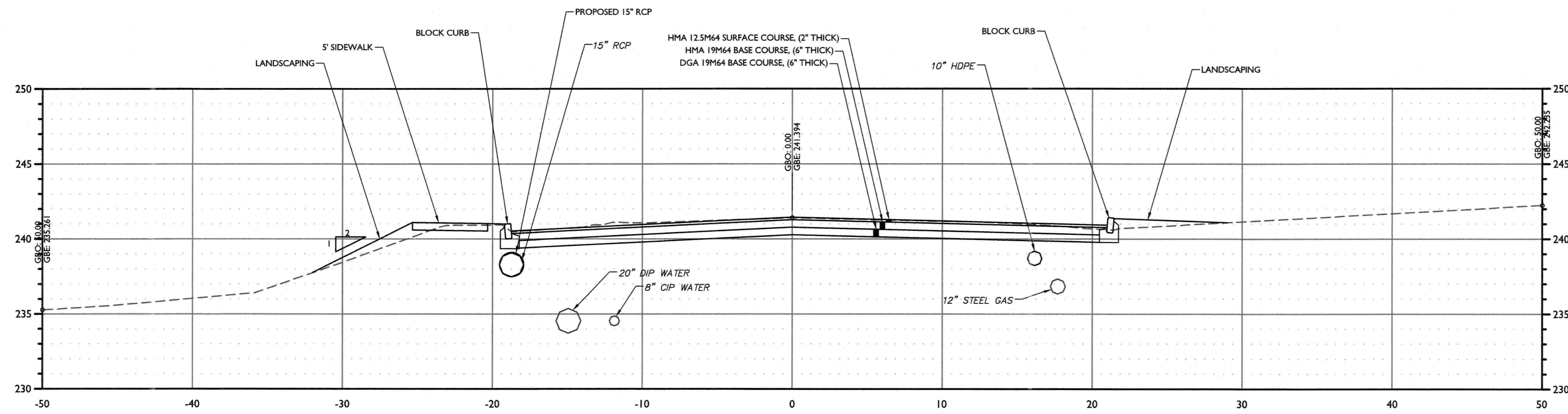
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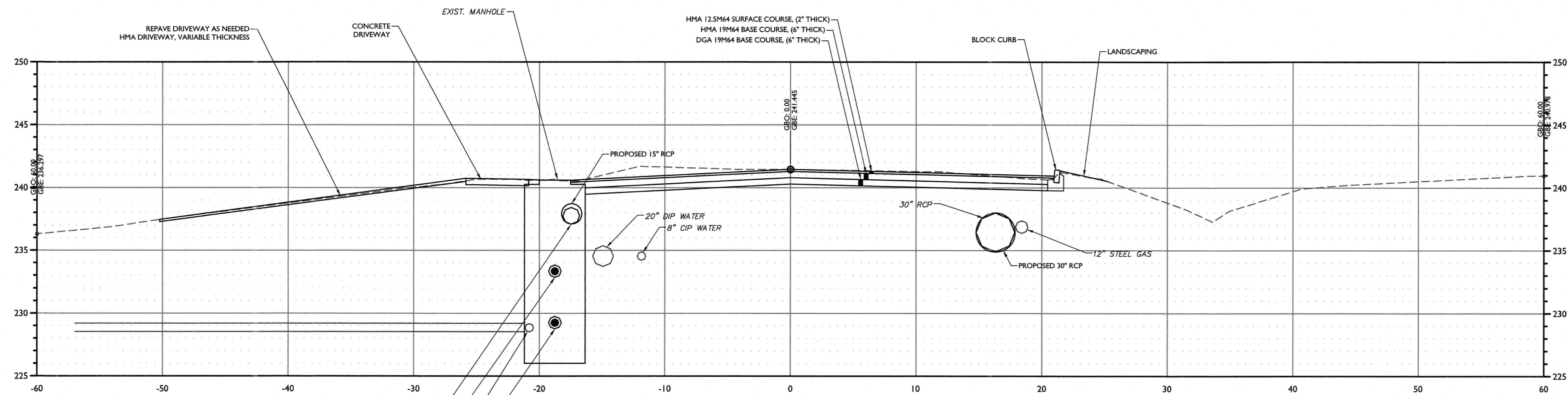
RICHARD C. MALONEY  
NEW JERSEY PROFESSIONAL  
ENGINEER - LICENSE NUMBER: GE39023

MASER  
COUNTY, MUNICIPAL & ENVIRONMENTAL ENGINEERS  
3311 Newnam Springs Road  
Suite 200  
Ridgely, N.J. 07071  
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6 of 13  
14002456G

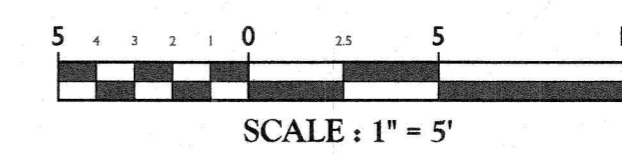


CROSS SECTION OF MOUNTAIN AVE  
 STATION: 2+60  
 HORIZONTAL : 1" = 5'-0"  
 VERTICAL : 1" = 5'-0"



CROSS SECTION OF MOUNTAIN AVE  
 STATION: 3+16  
 HORIZONTAL : 1" = 5'-0"  
 VERTICAL : 1" = 5'-0"

12" RCP  
 INV. 237.09  
 8" CLAY PIPE  
 INV. 233.01  
 8" CLAY PIPE  
 INV. 228.51  
 8" CLAY PIPE  
 INV. 228.91



COUNTY OF UNION, DIVISION OF ENGINEERING  
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 TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
 NEW JERSEY

UNION COUNTY NEW JERSEY

CROSS SECTIONS

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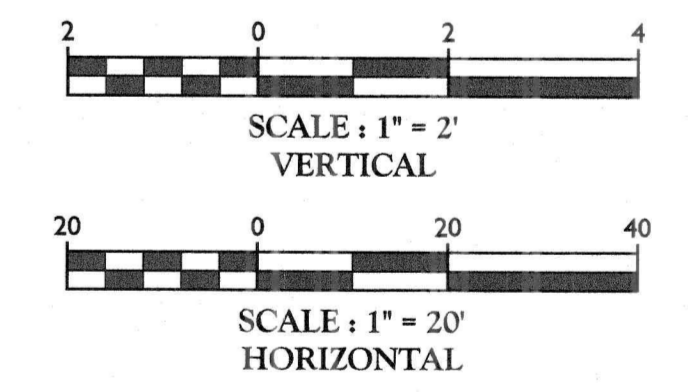
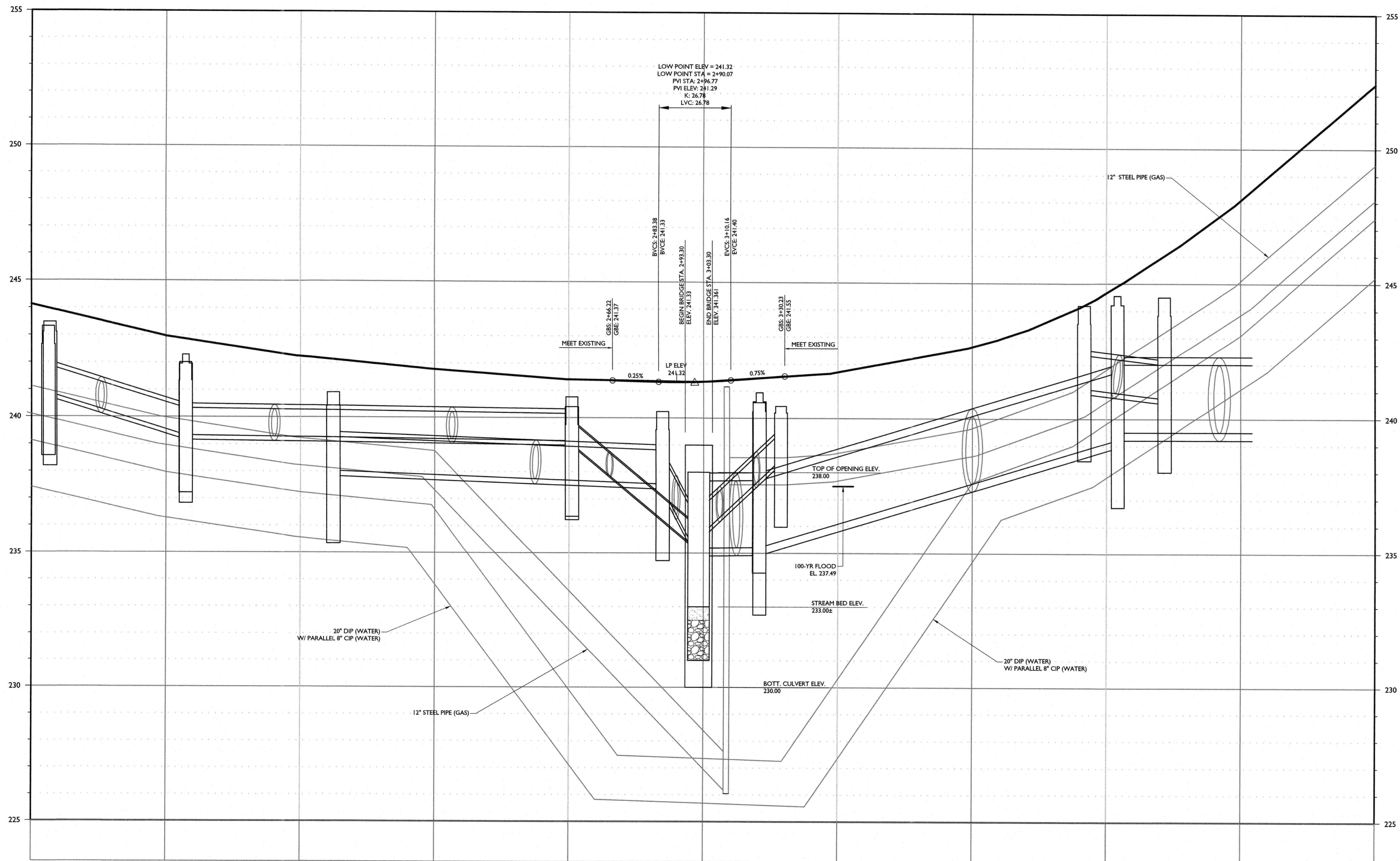
RICHARD C. MALONEY  
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PROFILE OF ALIGNMENT - MOUNTAIN AVE CENTERLINE ALIGNMENT  
 HORIZONTAL : 1" = 20'  
 VERTICAL : 1" = 2'

COUNTY OF UNION, DIVISION OF ENGINEERING  
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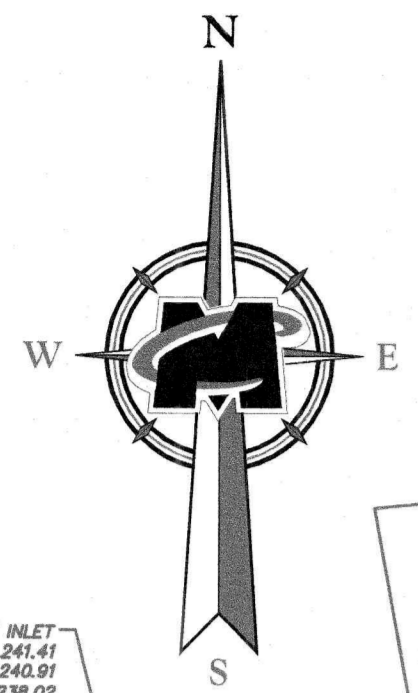
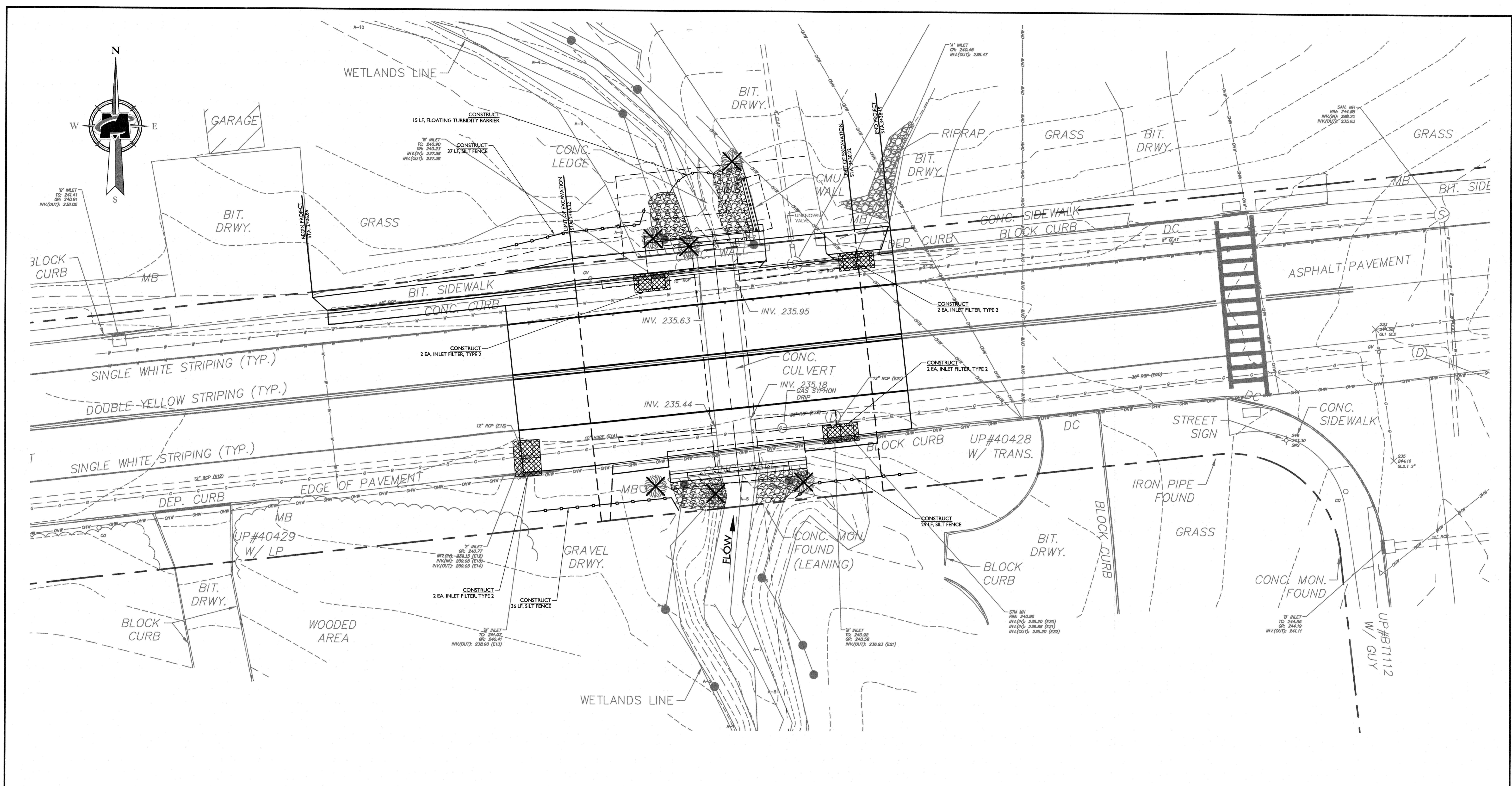
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scale:	drawn by	NHC	checked by	AMI	date	DEC. 2018.
1	10/02/18	SF	ADDRESSED DOT COMMENTS			
REV.	DATE	DRAWN BY	DESCRIPTION			

**RICHARD C. MALONEY**  
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE39023

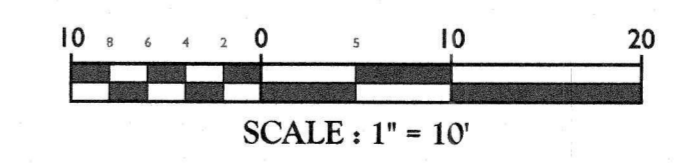
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 14002456G



**LEGEND**

- FLOOD HAZARD AREA FLOOD LIMIT
- TEMPORARY FLOATING TURBIDITY BARRIER
- TEMPORARY SILT FENCE
- WETLANDS LIMIT
- TREE TO BE REMOVED



**COUNTY OF UNION, DIVISION OF ENGINEERING**  
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**TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY**  
**NEW JERSEY**

UNION COUNTY NEW JERSEY

**SOIL EROSION AND SEDIMENT CONTROL PLAN**

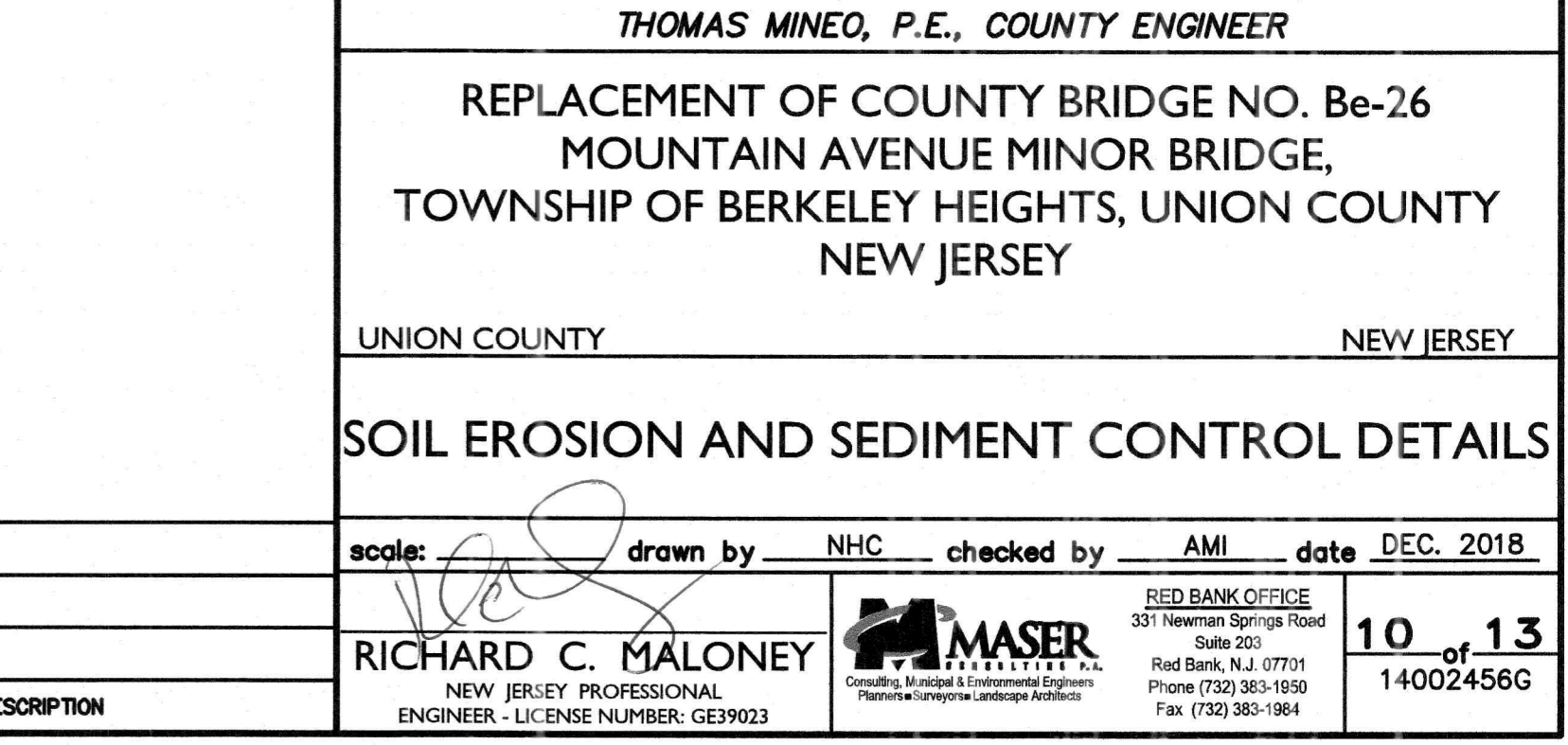
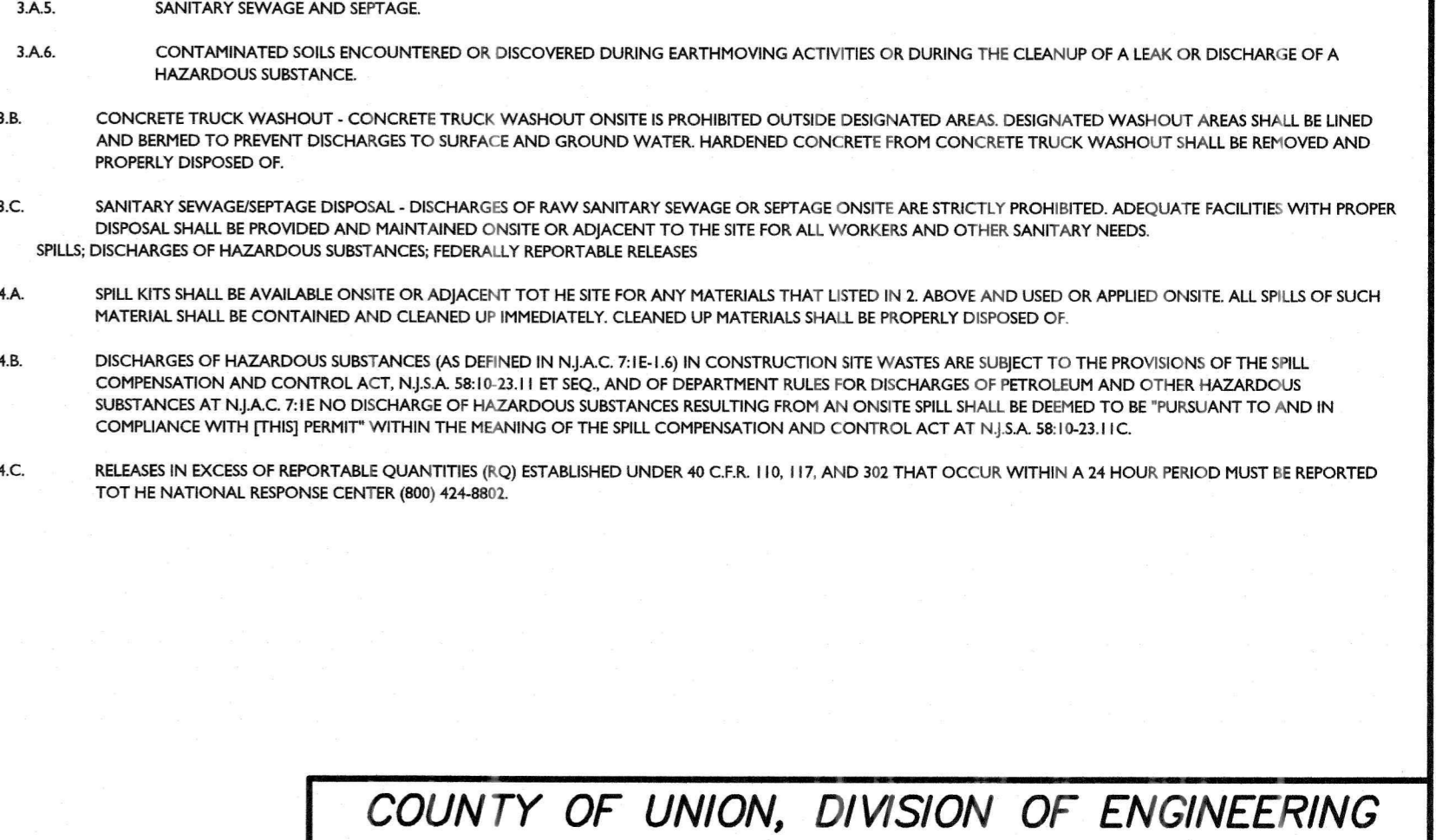
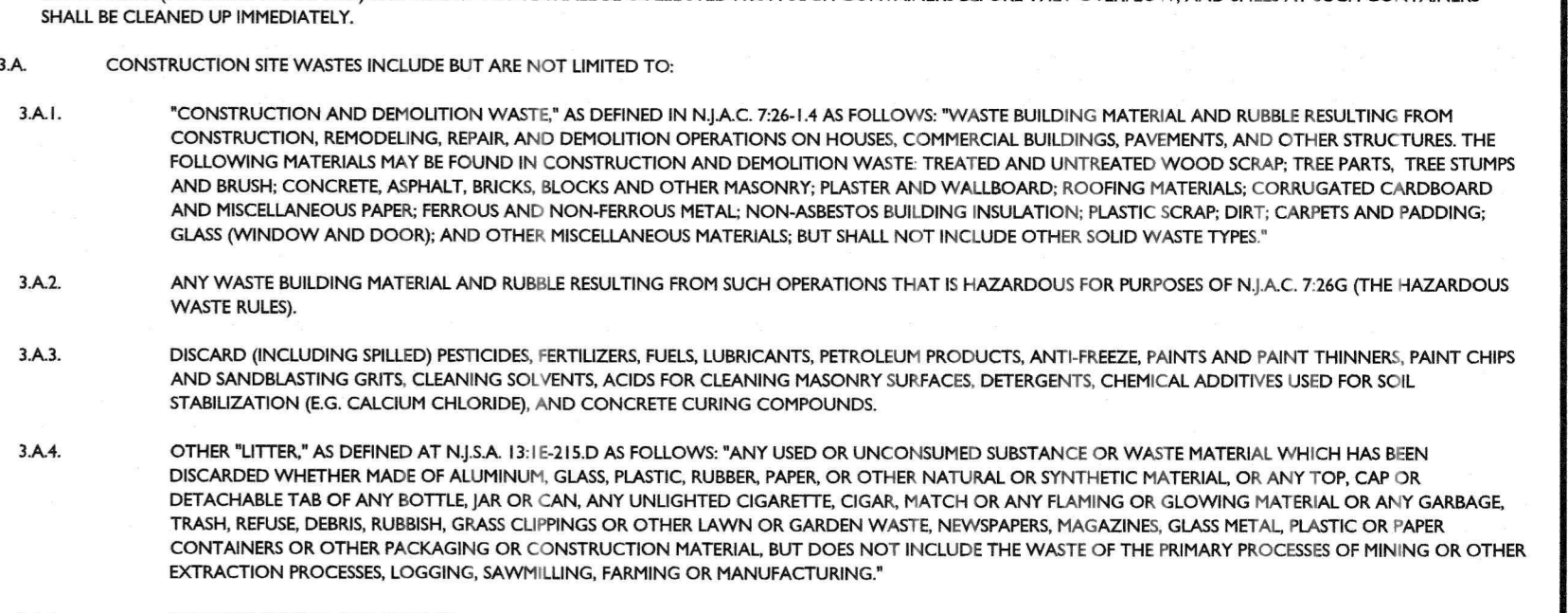
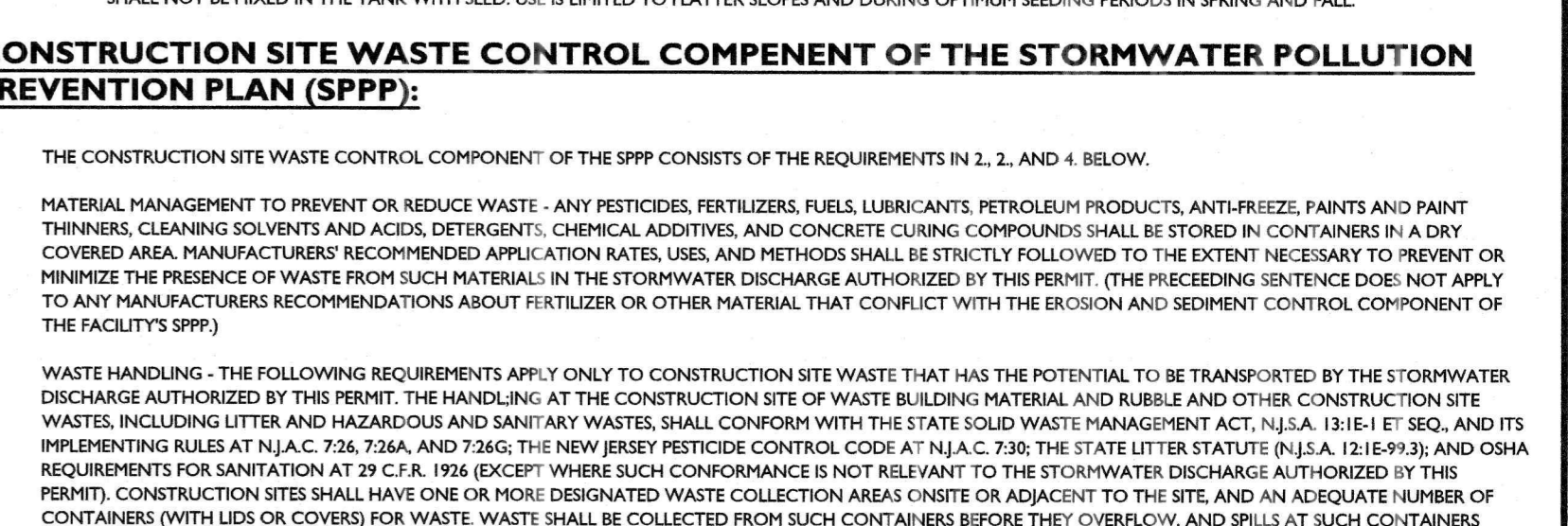
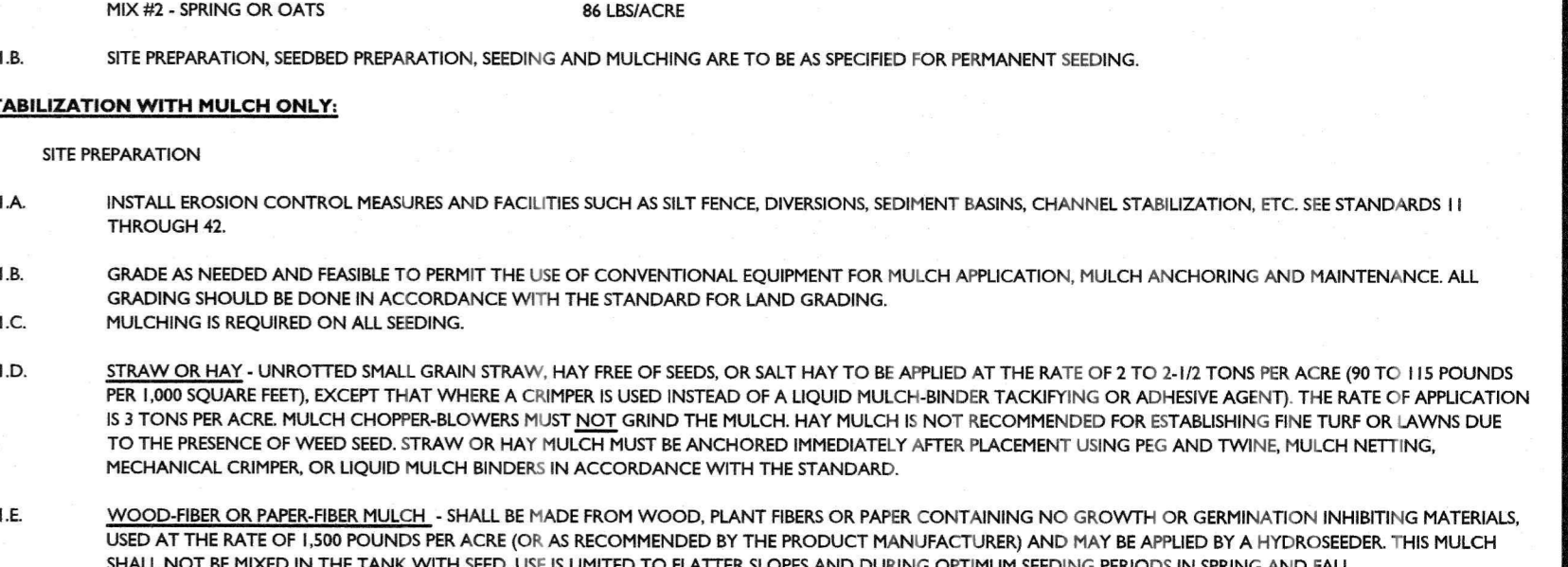
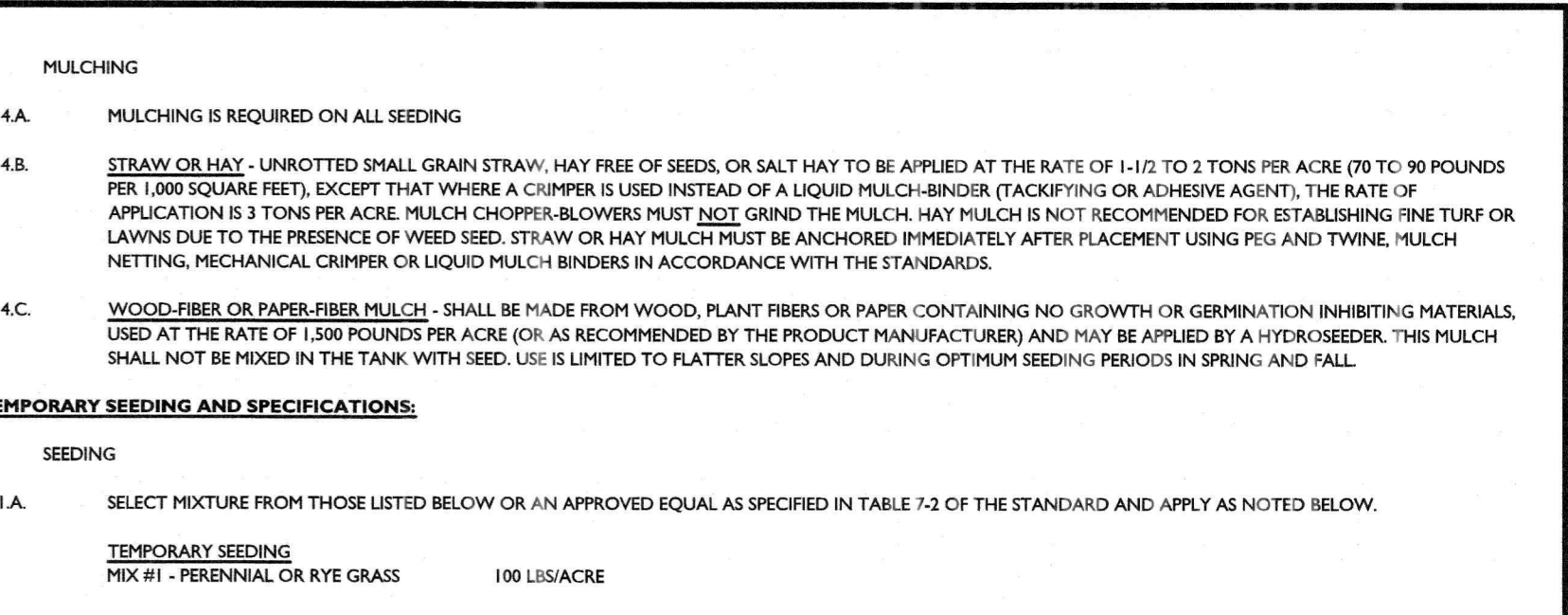
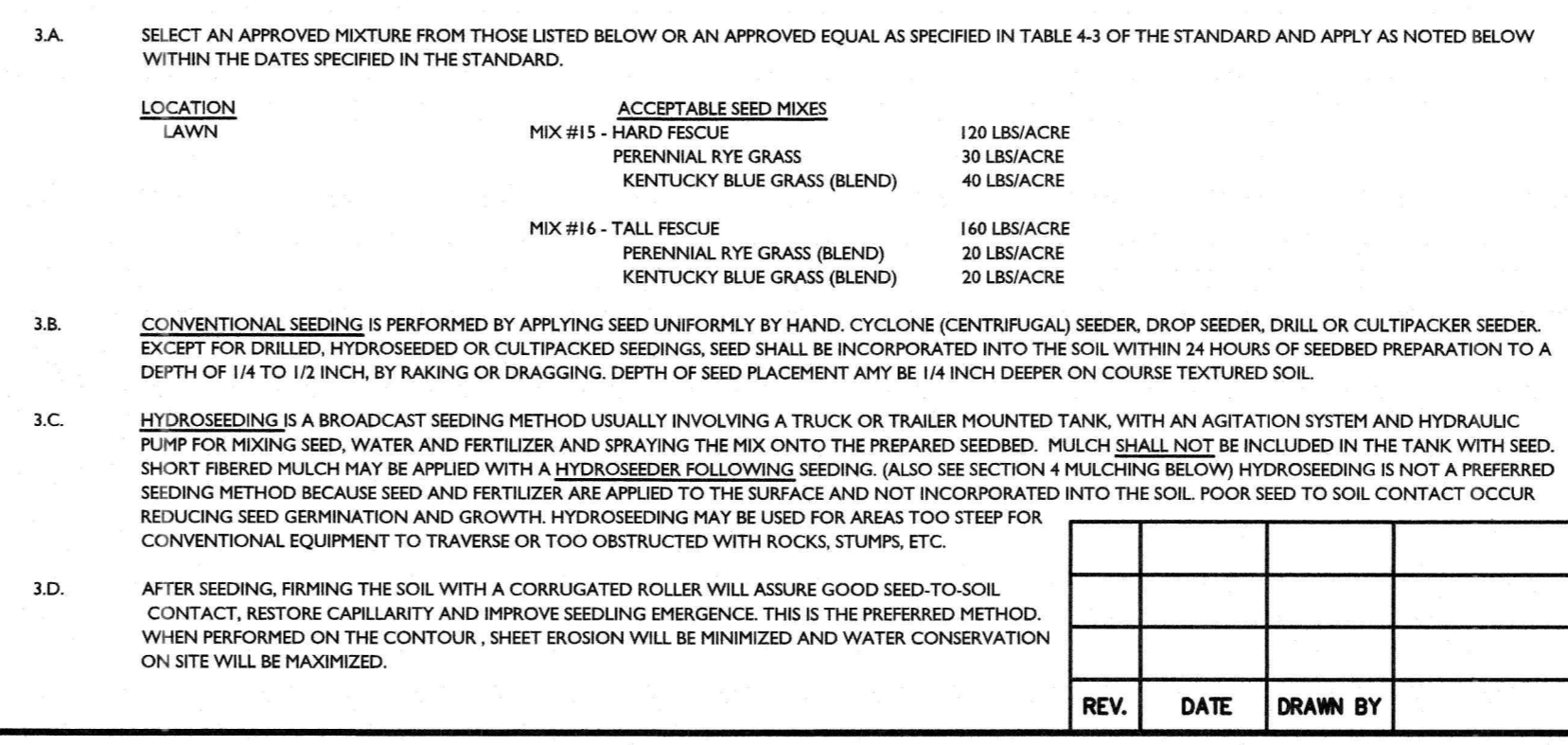
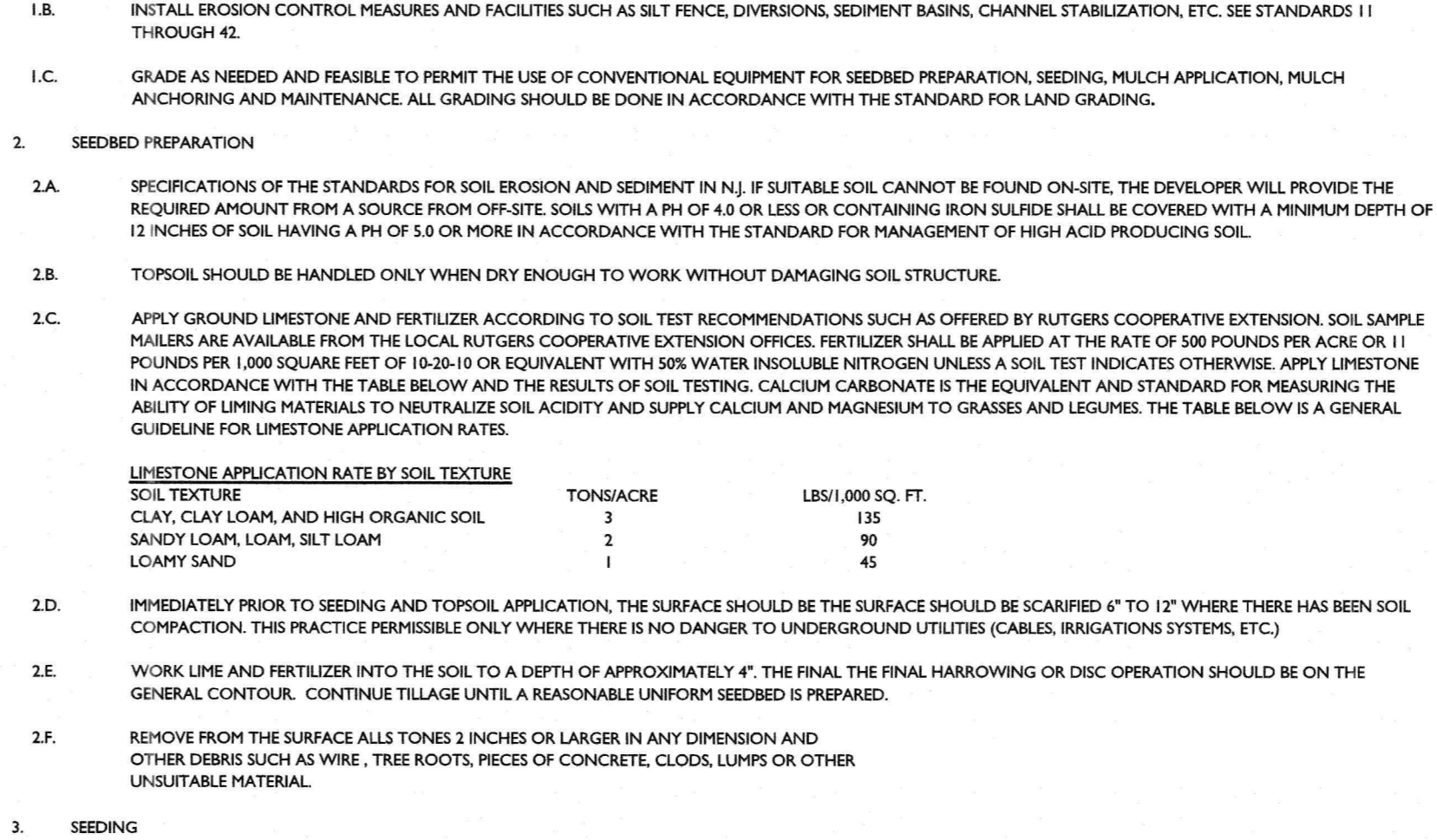
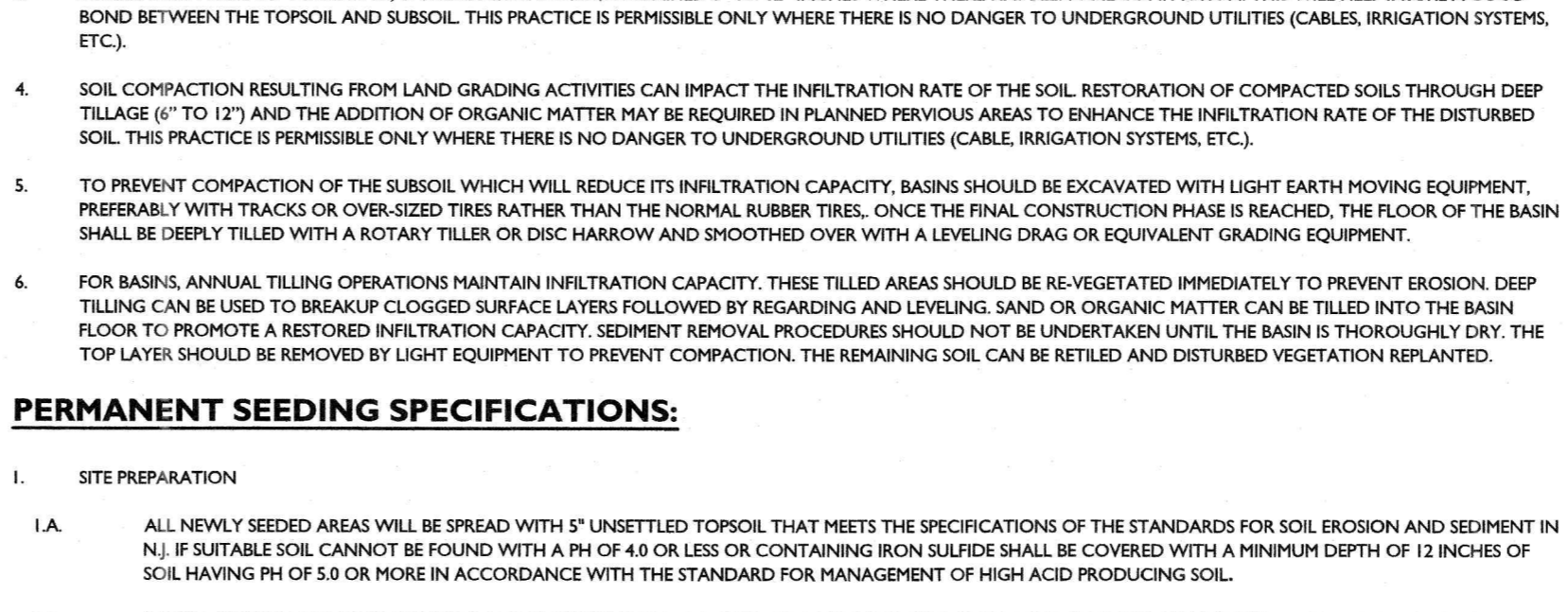
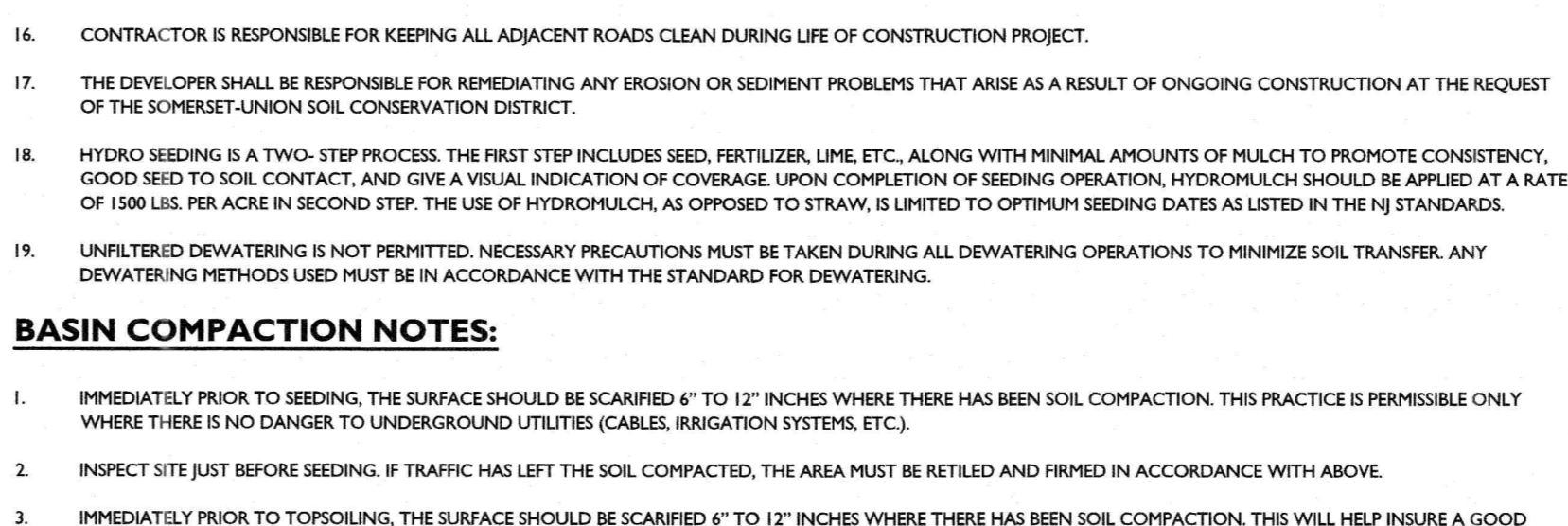
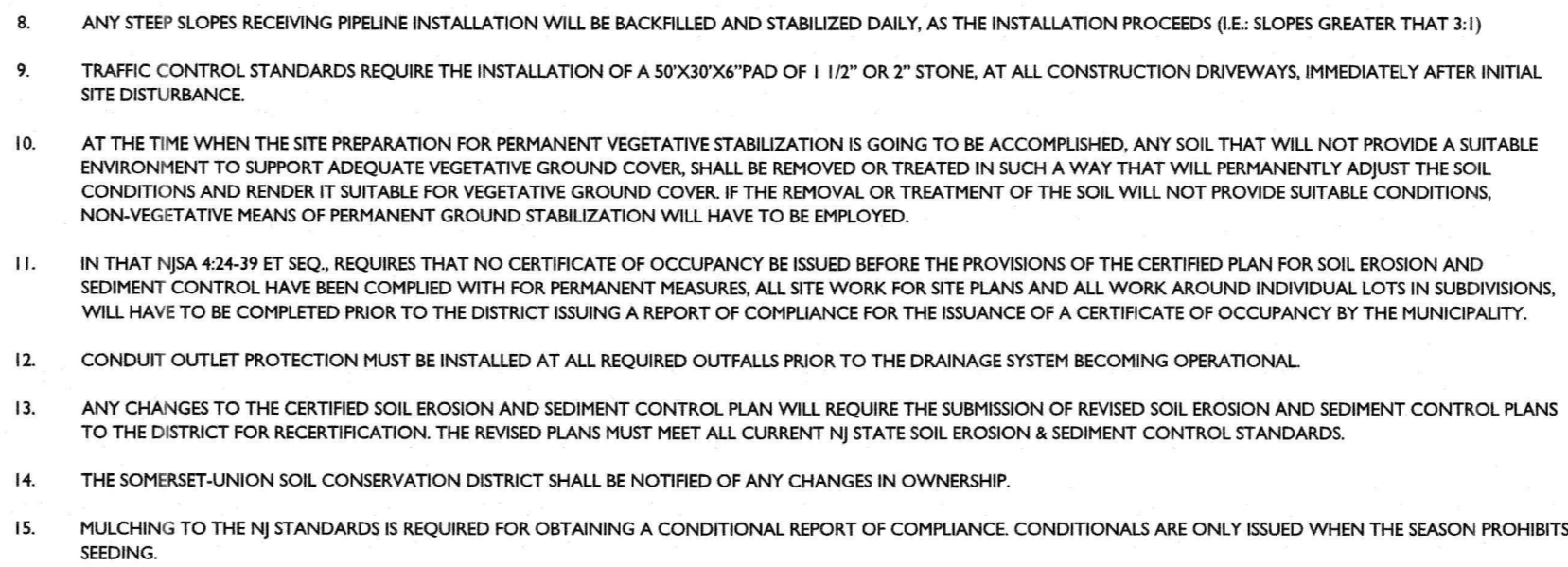
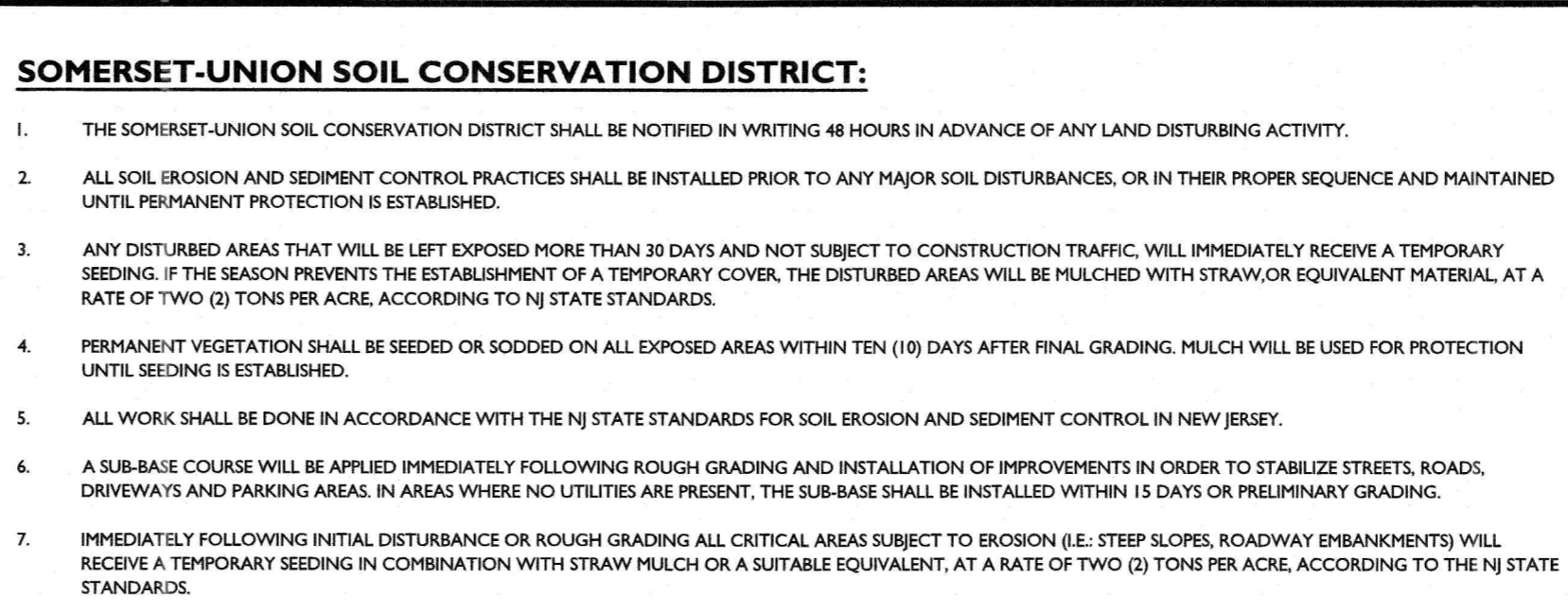
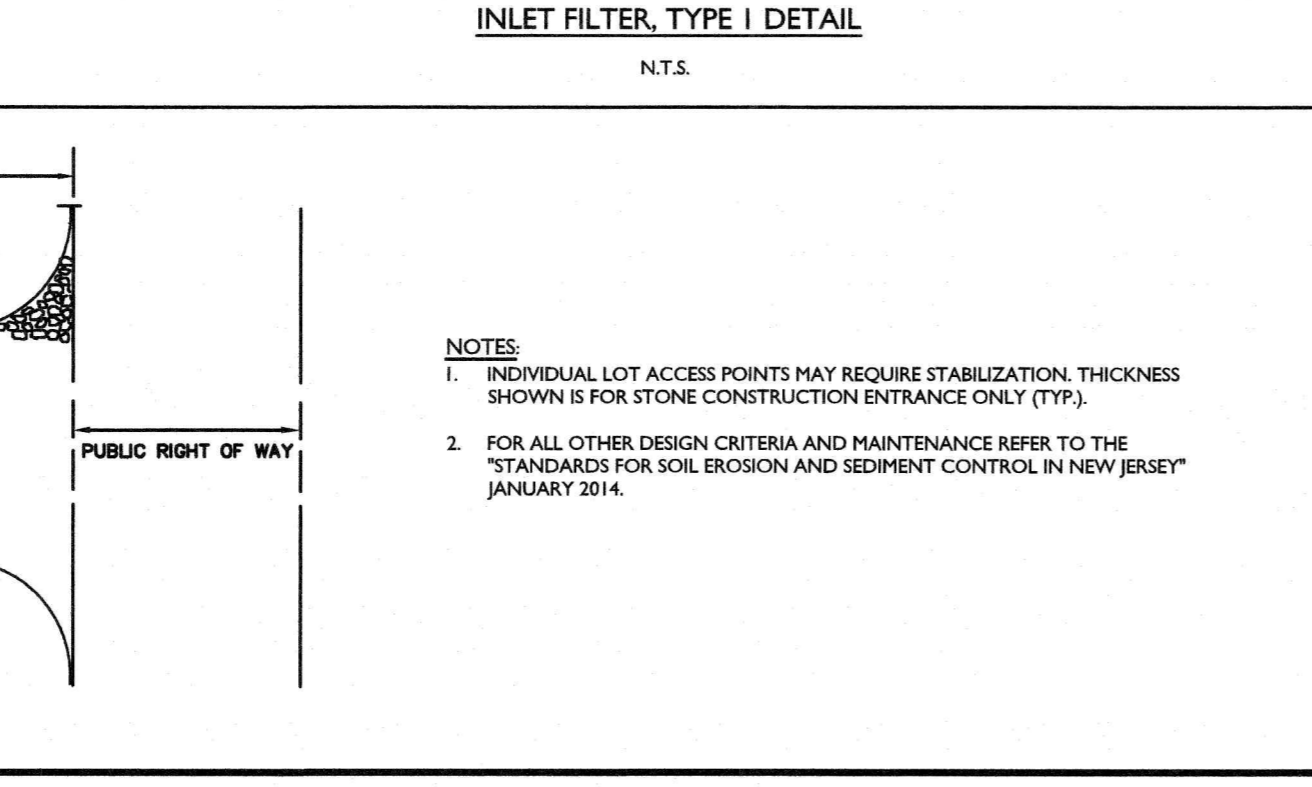
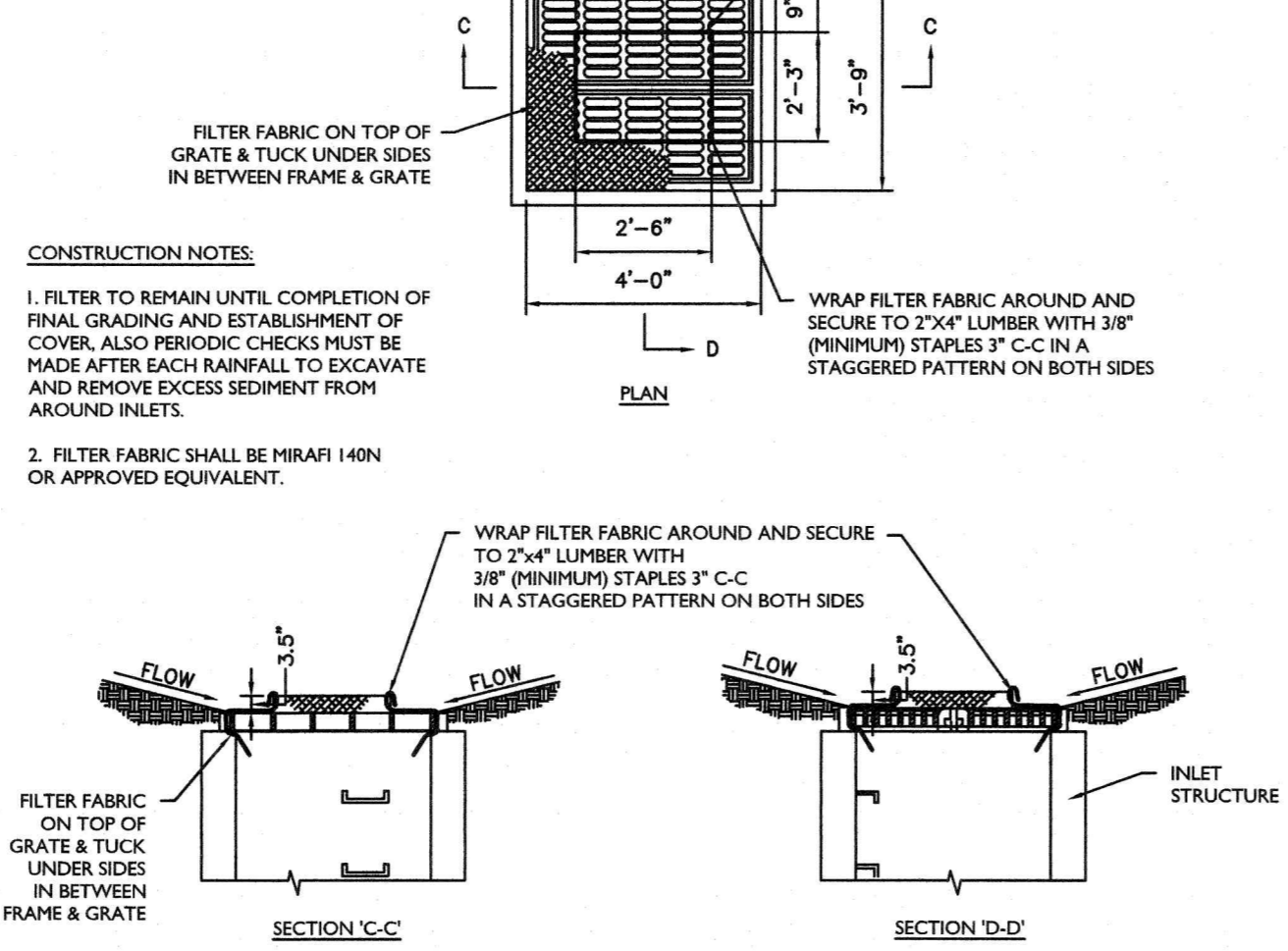
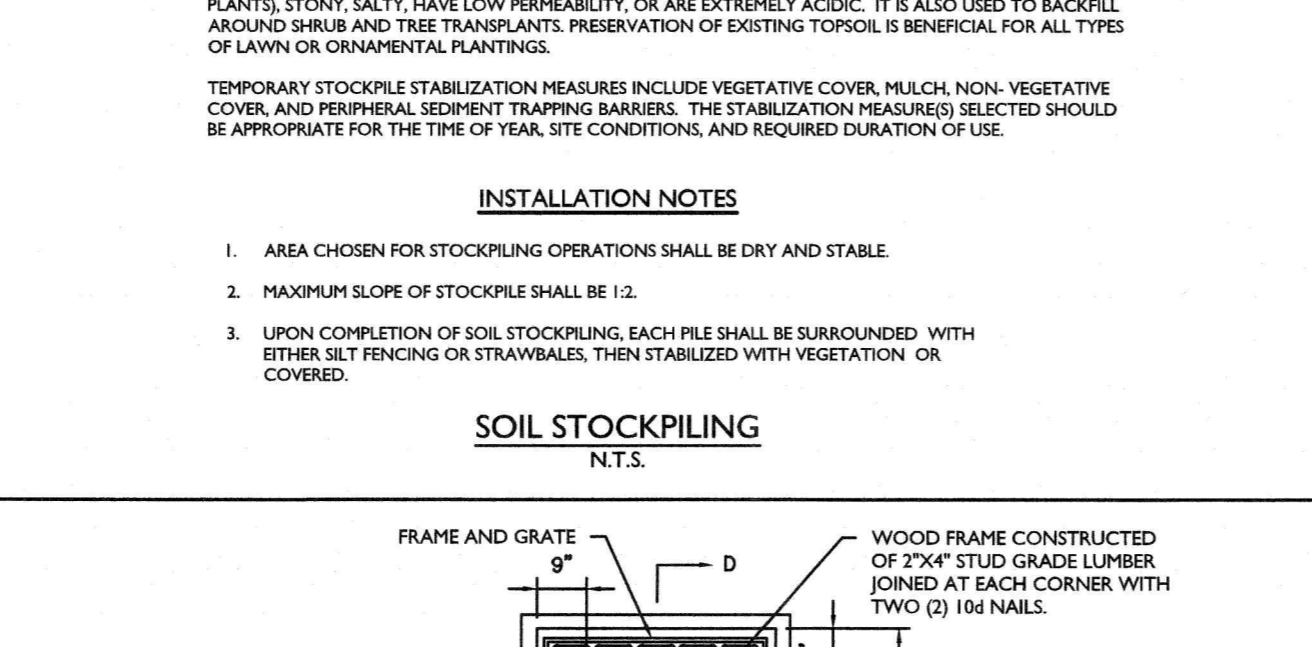
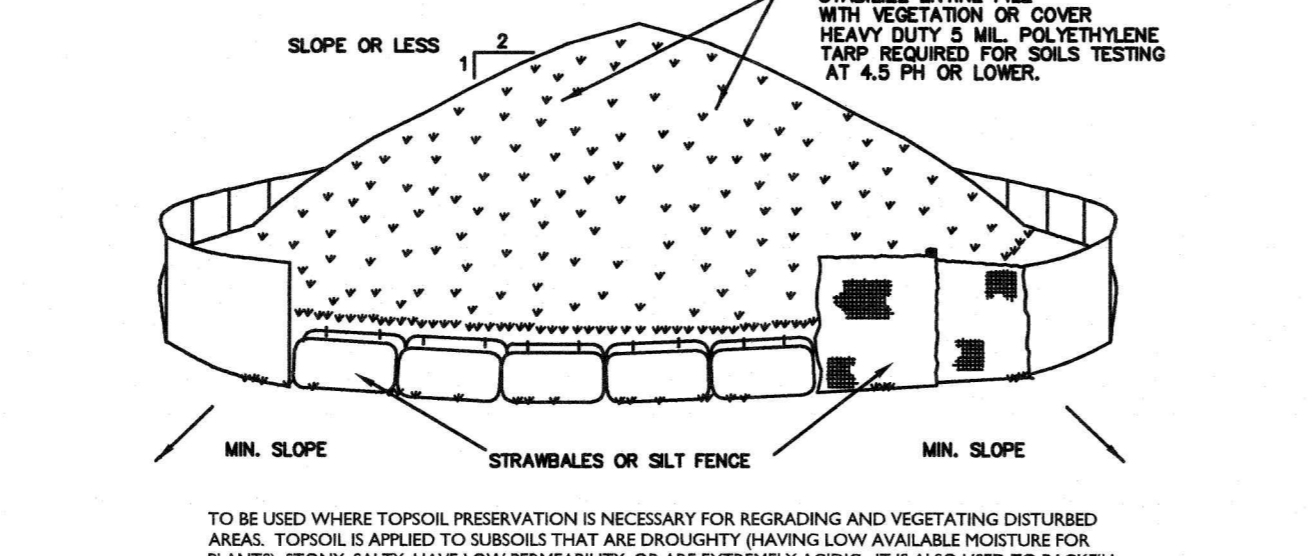
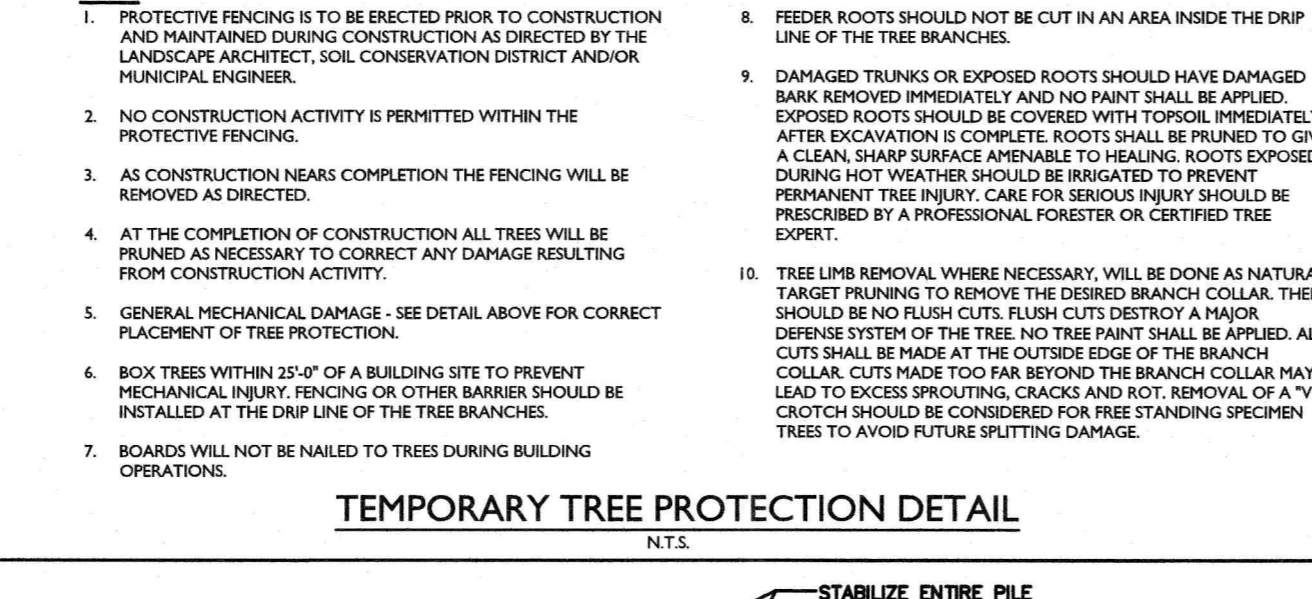
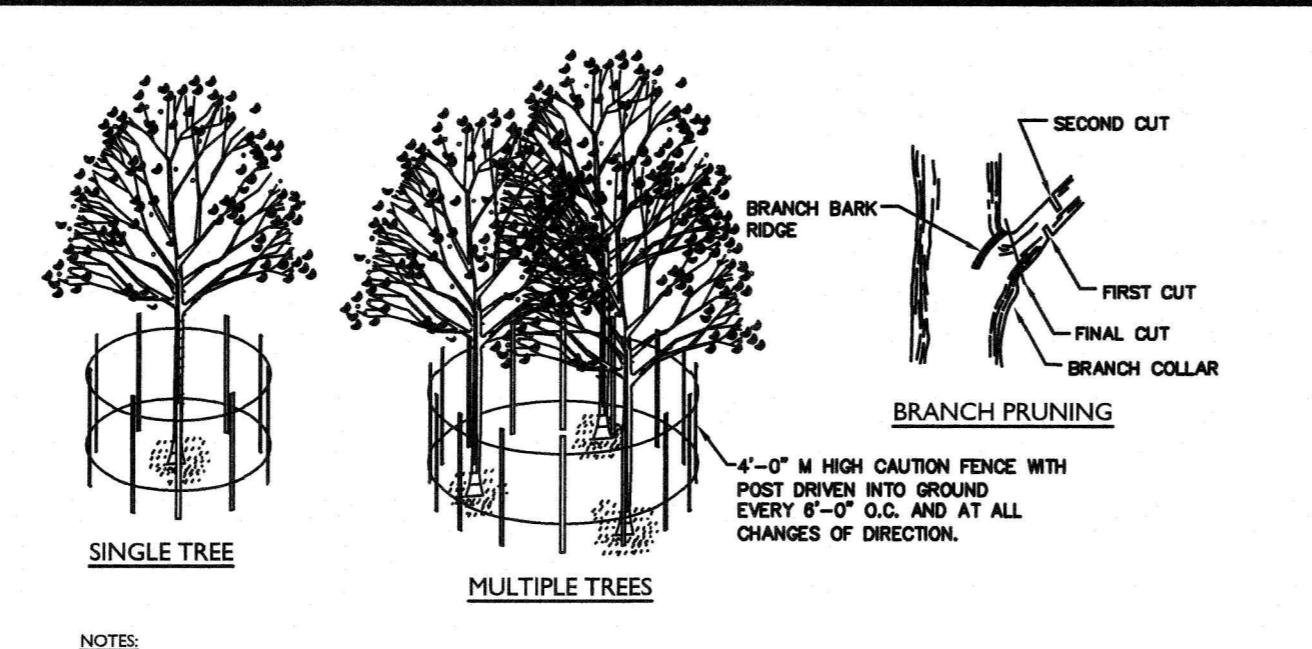
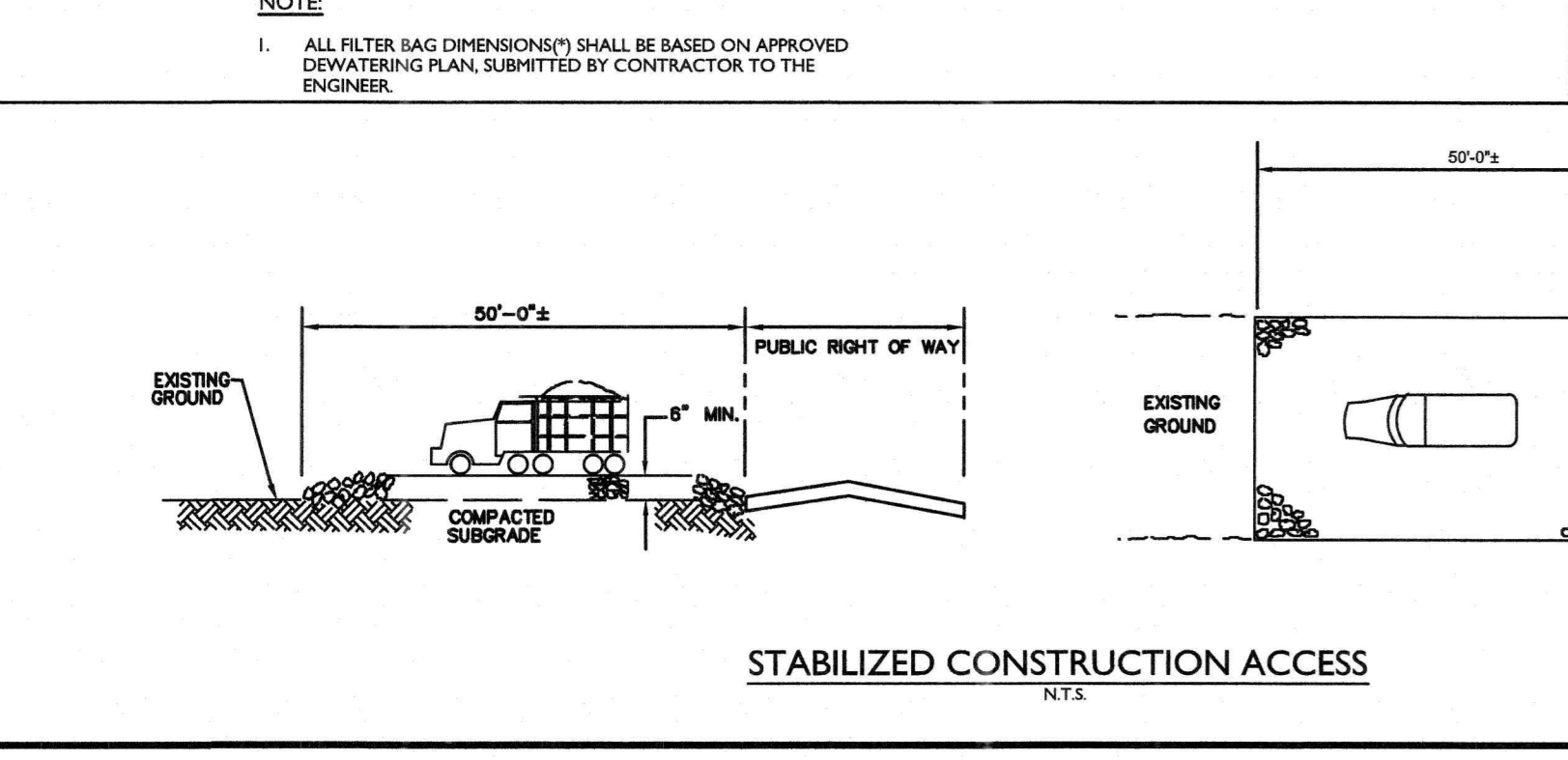
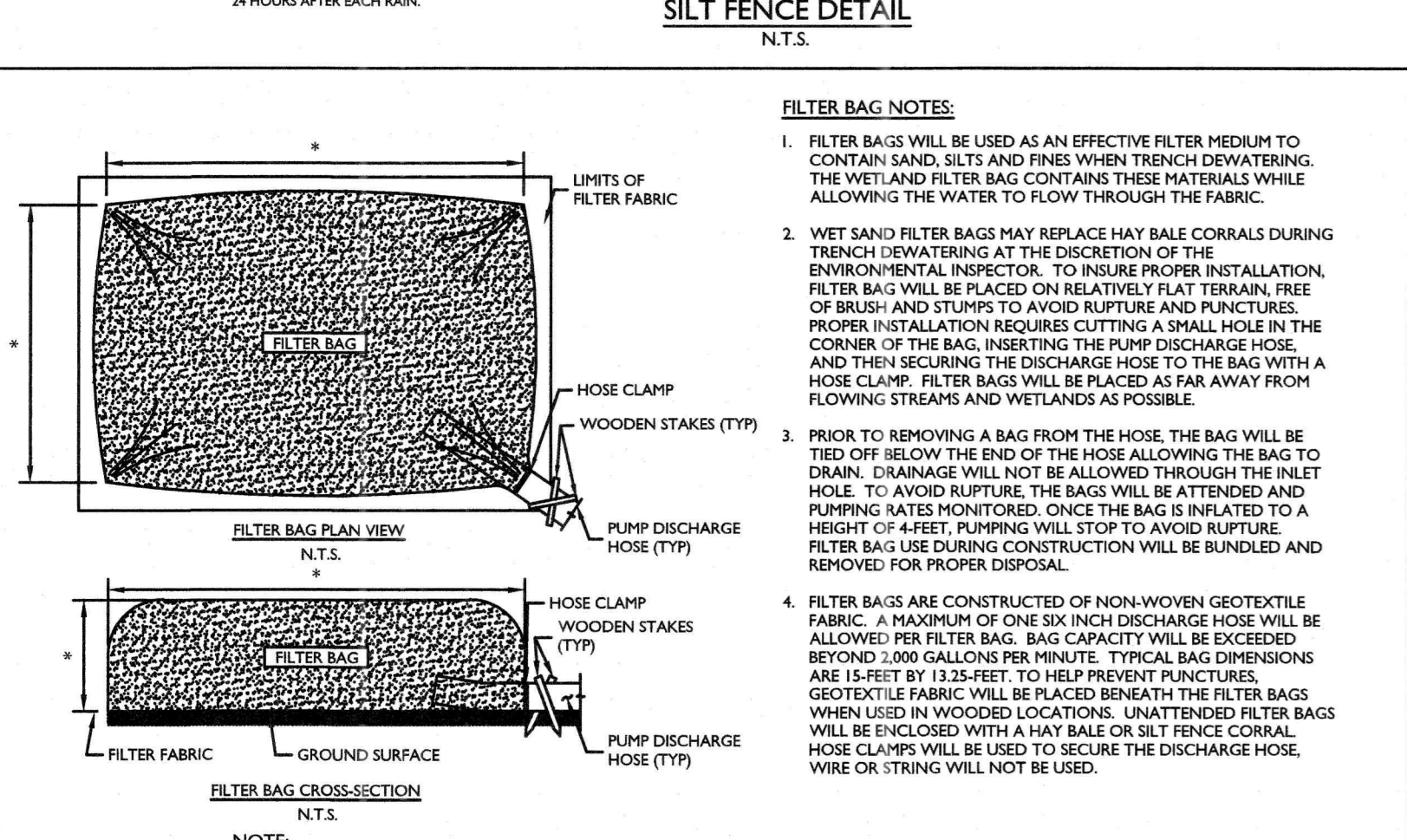
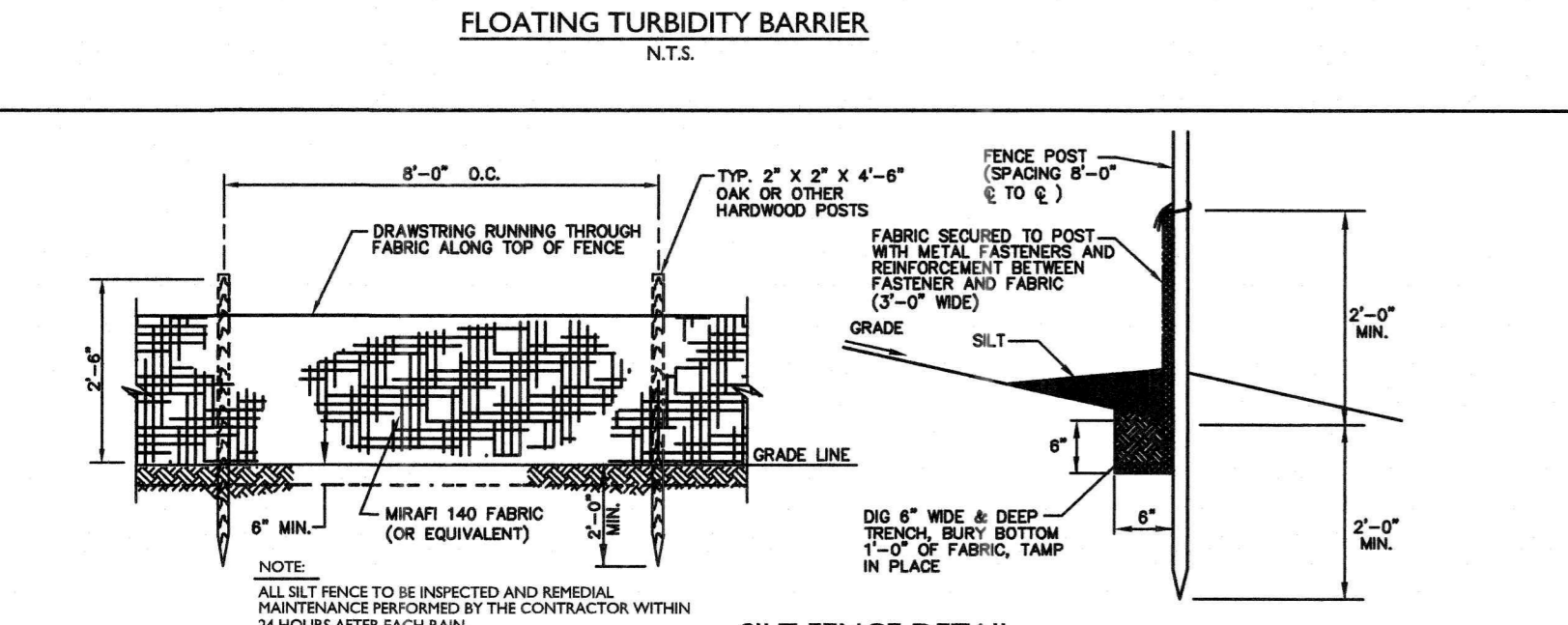
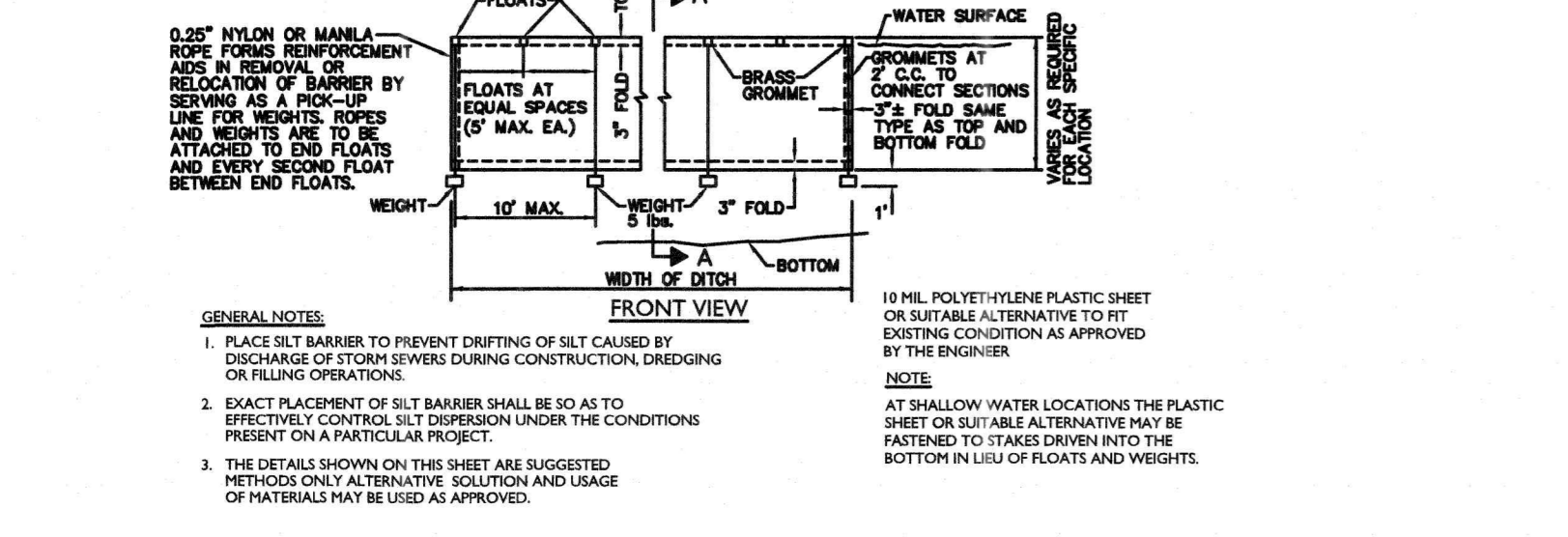
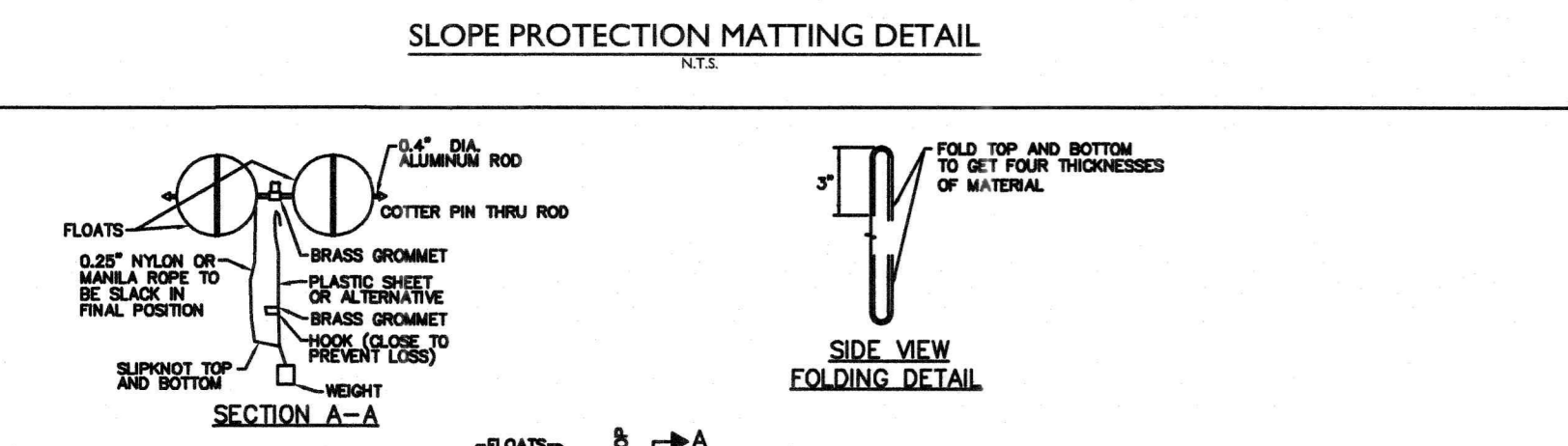
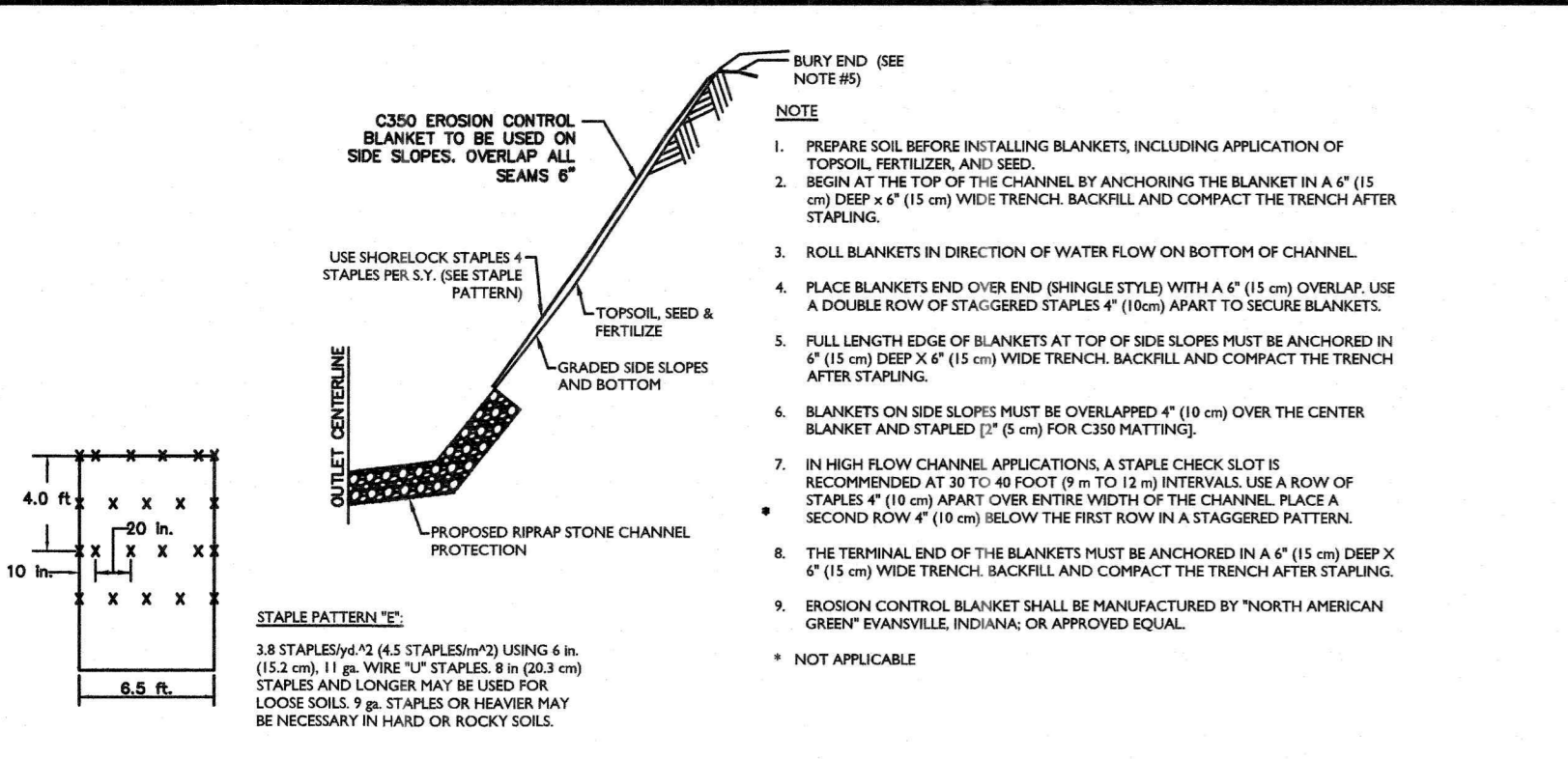
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**RICHARD C. MALONEY** **14002456G**

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**9 of 13**

REV.	DATE	DRAWN BY	DESCRIPTION



REV.	DATE	DRAWN BY	DESCRIPTION

**COUNTY OF UNION, DIVISION OF ENGINEERING**  
**THOMAS MINEO, P.E., COUNTY ENGINEER**

**REPLACEMENT OF COUNTY BRIDGE NO. Be-26**  
**MOUNTAIN AVENUE MINOR BRIDGE,**  
**TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY**  
**NEW JERSEY**

UNION COUNTY  
NEW JERSEY

**SOIL EROSION AND SEDIMENT CONTROL DETAILS**

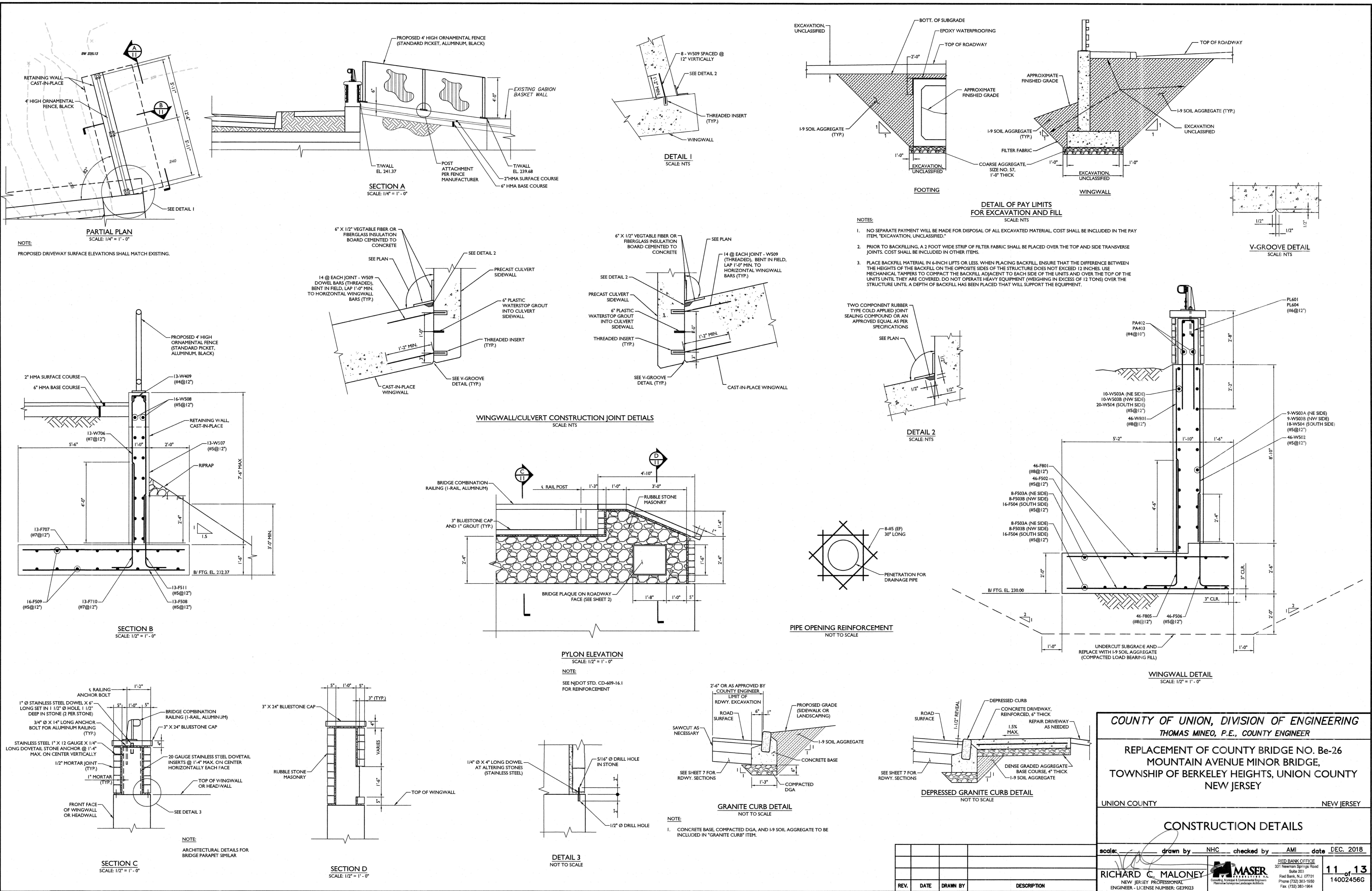
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**RICHARD C. MALONEY**  
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: CE39023

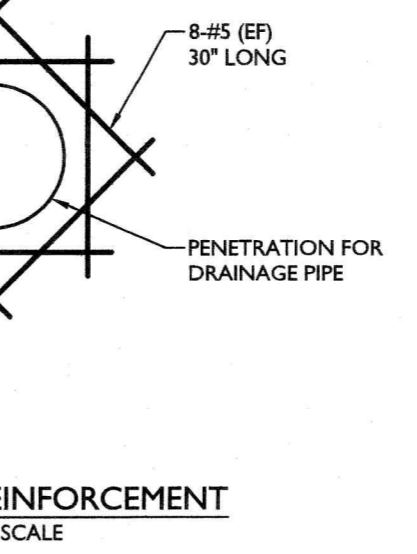
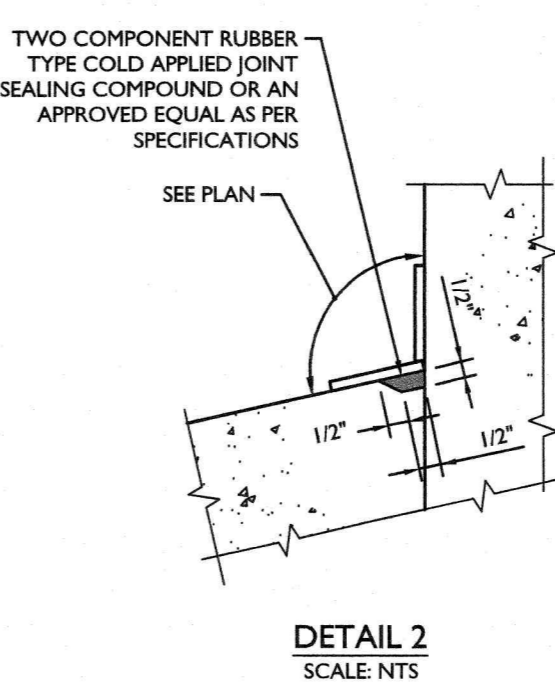
**10** of **13**  
140024566





NOTE:  
PROPOSED DRIVEWAY SURFACE ELEVATIONS SHALL MATCH EXISTING.

- NOTES:
- NO SEPARATE PAYMENT WILL BE MADE FOR DISPOSAL OF ALL EXCAVATED MATERIAL. COST SHALL BE INCLUDED IN THE PAY ITEM "EXCAVATION, UNCLASSIFIED."
  - PRIOR TO BACKFILLING, A 2 FOOT WIDE STRIP OF FILTER FABRIC SHALL BE PLACED OVER THE TOP AND SIDE TRANSVERSE JOINTS. COST SHALL BE INCLUDED IN OTHER ITEMS.
  - PLACE BACKFILL MATERIAL IN 6-INCH LIFTS OR LESS. WHEN PLACING BACKFILL, ENSURE THAT THE DIFFERENCE BETWEEN THE HEIGHTS OF THE BACKFILL ON THE OPPOSITE SIDES OF THE STRUCTURE DOES NOT EXCEED 12 INCHES. USE MECHANICAL TAMPERS TO COMPACT THE BACKFILL ADJACENT TO EACH SIDE OF THE UNITS AND OVER THE TOP OF THE UNITS UNTIL THEY ARE COVERED. DO NOT OPERATE HEAVY EQUIPMENT (WEIGHING IN EXCESS OF 12 TONS) OVER THE STRUCTURE UNTIL A DEPTH OF BACKFILL HAS BEEN PLACED THAT WILL SUPPORT THE EQUIPMENT.



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 TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
 NEW JERSEY

UNION COUNTY NEW JERSEY

CONSTRUCTION DETAILS

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RICHARD C. MALONEY  
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE39023

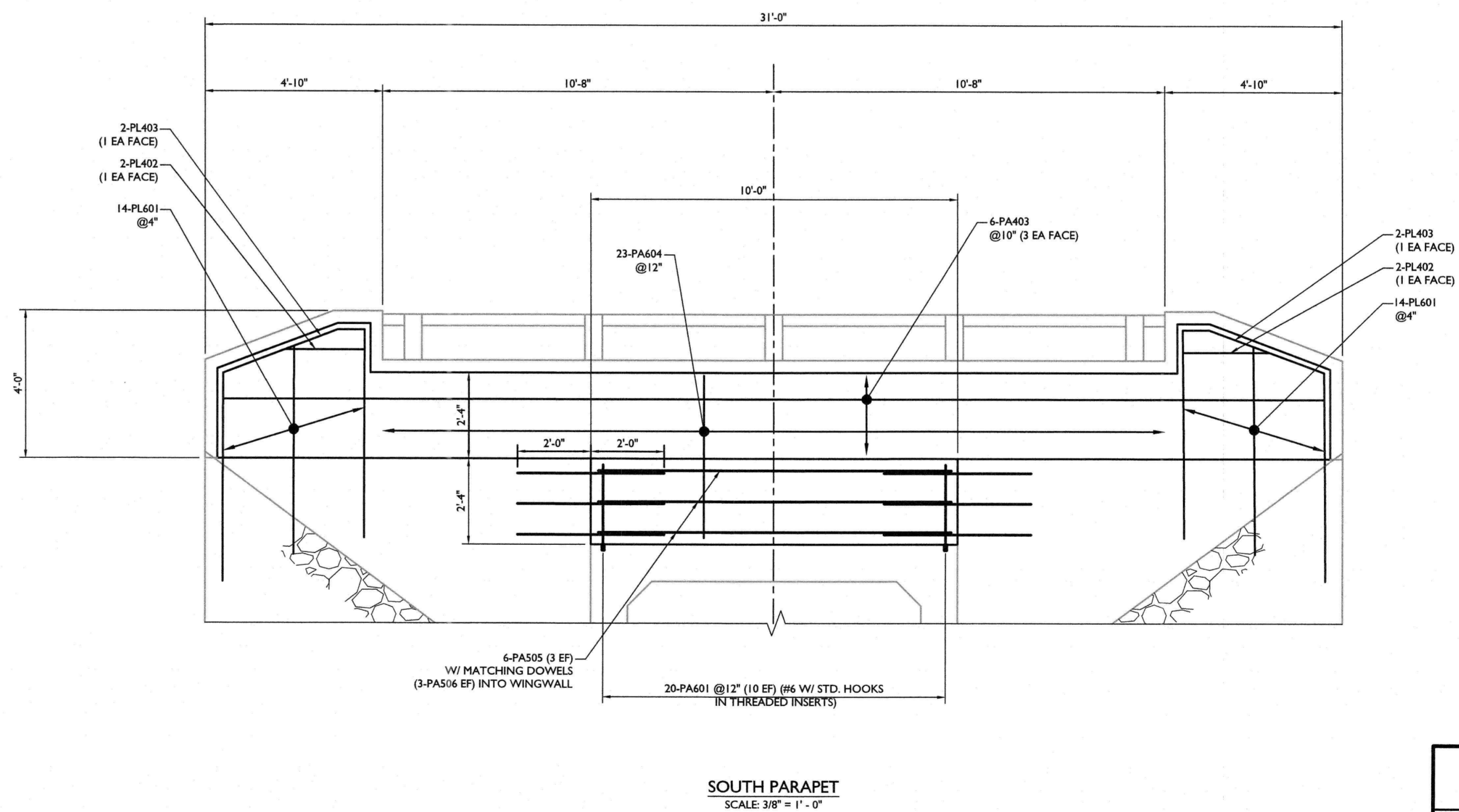
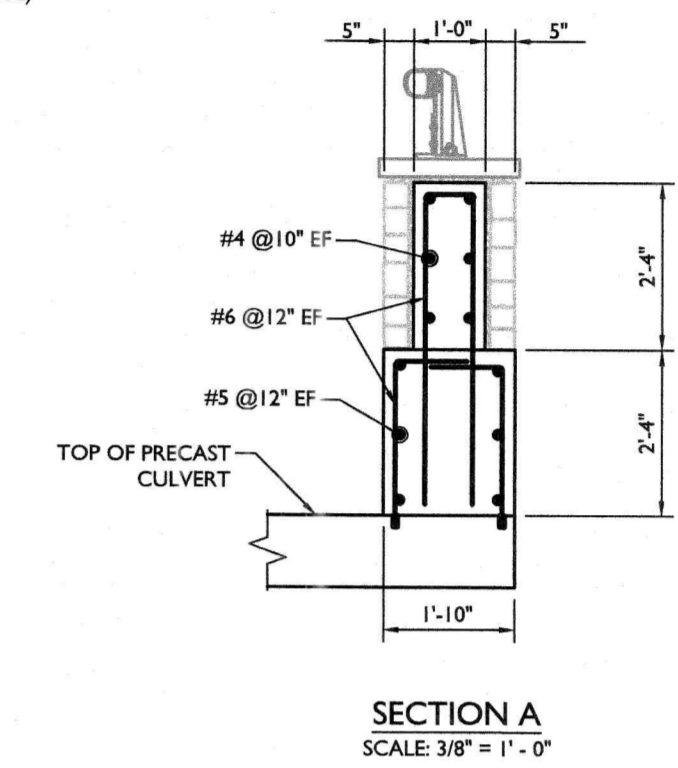
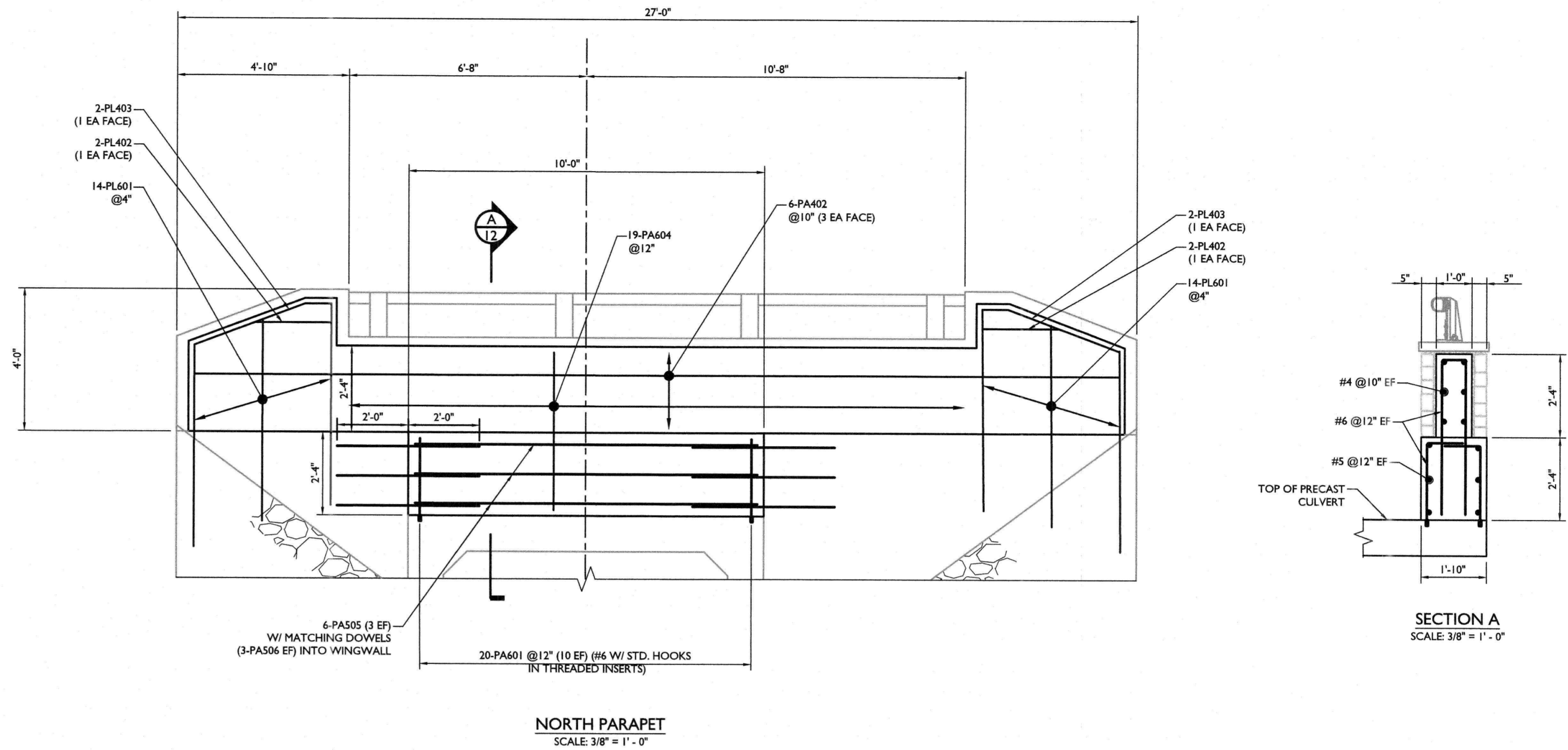
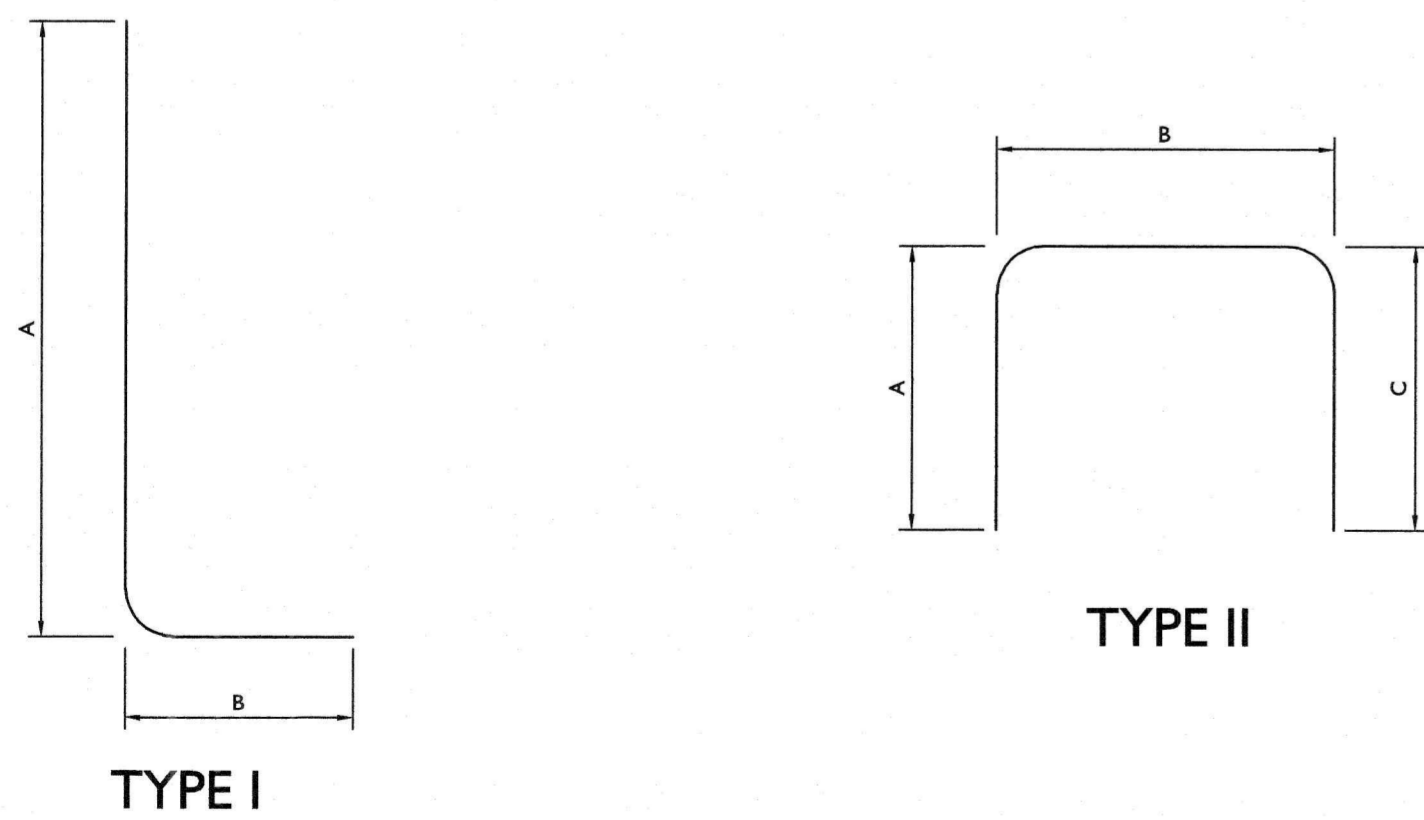
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 14002456G

REV.	DATE	DRAWN BY	DESCRIPTION

BAR LIST								
FOUNDATION								
BAR NAME	BAR SIZE	NO REQ'D	LENGTH	TYPE	A	B	C	REMARKS
F801	#8	45	8'-0"	STRAIGHT				
F502	#5	45	8'-0"	STRAIGHT				
F503A	#5	16	6'-1"	STRAIGHT				NORTH EAST
F503B	#5	16	10'-1"	STRAIGHT				NORTH WEST
F504	#5	32	10'-1"	STRAIGHT				SOUTH
F805	#8	46	7'-9"	TYPE I	6'-3"	1'-6"		
F506	#5	46	6'-0"	TYPE I	4'-7"	1'-5"		
F707	#7	13	8'-0"	STRAIGHT				
F508	#5	13	8'-0"	STRAIGHT				
F509	#5	16	12'-0"	STRAIGHT				
F710	#7	13	6'-3"	TYPE I	5'-3"	1'-0"		
F511	#5	13	4'-7"	TYPE I	3'-7"	1'-0"		
WALLS								
BAR NAME	BAR SIZE	NO REQ'D	LENGTH	TYPE	A	B	C	REMARKS
W801	#8	45	9'-0"	STRAIGHT				
W502	#5	45	8'-6"	STRAIGHT				
W503A	#5	19	6'-1"	STRAIGHT				NORTH EAST
W503B	#5	19	10'-1"	STRAIGHT				NORTH WEST
W504	#5	38	10'-1"	STRAIGHT				SOUTH
W706	#7	13	7'-3"	STRAIGHT				
W507	#5	13	7'-3"	STRAIGHT				
W508	#5	16	12'-0"	STRAIGHT				
W409	#4	13	1'-2"	TYPE II	3"	8"	3"	
W509	#5	64	1'-2"	STRAIGHT				DOWELS
PARAPETS								
BAR NAME	BAR SIZE	NO REQ'D	LENGTH	TYPE	A	B	C	REMARKS
PA601	#6	40	3'-2"	TYPE I	2'-2"	1'-0"		
PA402	#4	6	26'-6"	STRAIGHT				
PA403	#4	6	30'-6"	STRAIGHT				
PA604	#6	42	9'-4"	TYPE II	4'-4"	8"	4'-4"	
PA505	#5	12	9'-8"	STRAIGHT				
PA506	#5	12	4'-0"	STRAIGHT				
PYLONS								
BAR NAME	BAR SIZE	NO REQ'D	LENGTH	TYPE	A	B	C	REMARKS
PL601	#6	56	12'-0"	TYPE II	5'-8"	8"	5'-8"	
PL402	#4	8	2'-2"	STRAIGHT				
PL403	#4	8	4'-1"	STRAIGHT				BENT

NOTE:  
ALL BARS SHALL BE GALVANIZED



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TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY  
NEW JERSEY

UNION COUNTY NEW JERSEY

BAR LIST AND PARAPET REINFORCEMENT DETAILS

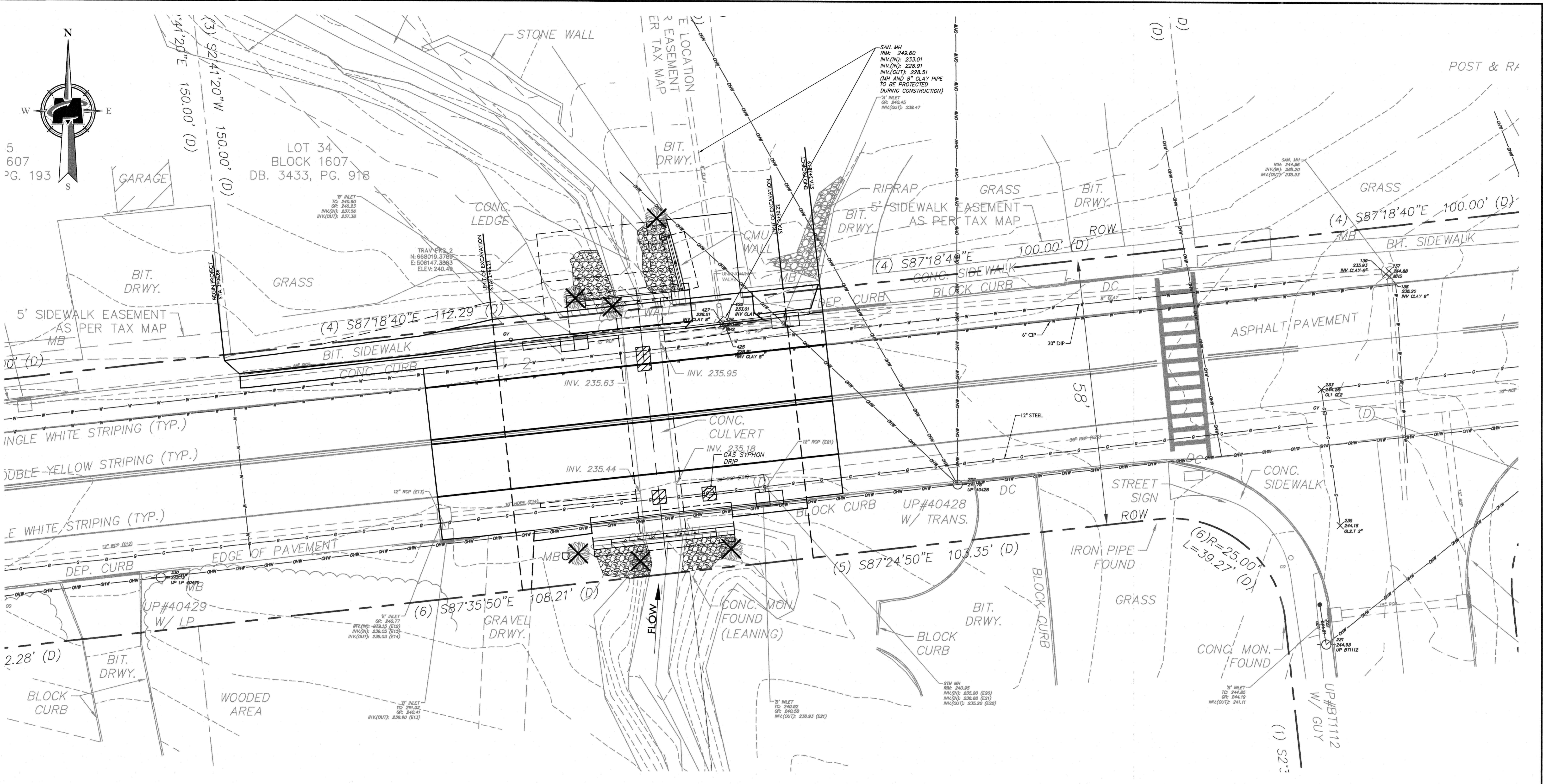
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REV.	DATE	DRAWN BY	DESCRIPTION



**UTILITY COORDINATION NOTES**

- UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THEIR LOCATION AND COMPLETENESS. NO WORK SHALL BEGIN UNTIL THE CONTRACTOR PROVIDES THE RESIDENT ENGINEER THE CONFIRMATION NUMBER, OBTAINED FROM THE ONE-CALL SYSTEM IN ACCORDANCE WITH THE UNDERGROUND FACILITY PROTECTION ACT. THE CONTRACTOR SHALL CALL THE GARDEN STATE UNDERGROUND PLANT LOCATION SERVICE AT 1-800-272-1000 FOR UTILITY MARKOUT AT LEAST 3 FULL WORKING DAYS PRIOR TO EXCAVATING, BUT NOT MORE THAN 10 WORKING DAYS.
- THE CONTRACTOR SHALL COORDINATE TEMPORARY SHUTDOWNS AND RELOCATIONS WITH UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE ENGINEER AND THE APPROPRIATE UTILITY COMPANIES MUST BE NOTIFIED IMMEDIATELY OF ANY UTILITY CONFLICTS FOUND DURING CONSTRUCTION.
- CONTRACTOR MUST OBSERVE SAFE CLEARANCES FROM ALL OVERHEAD ELECTRIC LINES DURING THE CONSTRUCTION. SPECIFIC INFORMATION ON REQUIRED CLEARANCE MAY BE OBTAINED FROM THE FOLLOWING SOURCES:
  - NATIONAL ELECTRIC SAFETY CODE
  - US DEPARTMENT OF LABOR - OCCUPATIONAL SAFETY
  - NJ DEPARTMENT OF LABOR AND INDUSTRY - BUREAU OF ENGINEERING AND SAFETY
- ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES MUST BE PROTECTED FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION. IN AREAS OF FULL DEPTH RECONSTRUCTION, CARE SHALL BE TAKEN SO THAT ALL EXISTING UTILITIES ARE PROTECTED AND KEPT OPERATIONAL. CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT UTILITY POLES ADJACENT TO EXCAVATION AREAS UNTIL THE AREA IS BACKFILLED AND STABILIZED. COST FOR MAINTENANCE AND SUPPORT OF UTILITIES SHALL BE INCLUDED IN THE VARIOUS EXCAVATION ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITY COMPANIES TO COORDINATE EACH COMPANY'S SCHEDULE FOR THE RELOCATION AND/OR RESETTING OF THEIR FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATING UTILITY WORK SO THAT ANY CONTRACT WORK TO BE PERFORMED BY THE CONTRACTOR DOES NOT INTERFERE WITH OR DELAY THE EFFORTS OF THE UTILITY COMPANIES.

**VERIZON (TELEPHONE)**

THERE ARE AERIAL TELEPHONE CABLES ON UTILITY POLES RUNNING ALONG MOUNTAIN AVENUE. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY ALL CONSTRUCTION ACTIVITIES IN THE VICINITY OF THE TELEPHONE LINES.

**PSE&G (GAS)**

THE ATTENTION OF THE CONTRACTOR IS CALLED TO PRESENCE OF AN EXISTING GAS LINE AND SIPHON AT THE PROJECT SITE. THE GAS SIPHON WAS PAVED OVER DURING RECENT ROADWAY IMPROVEMENTS. THE CONTRACTOR SHALL CONDUCT TEST PITS TO VERIFY THE LOCATION OF THE GAS SIPHON, GAS LINE AND SIPHON ARE TO REMAIN IN PLACE AND TO BE PROTECTED DURING CONSTRUCTION. IT IS ASSUMED THAT THE LINE IS UNDER THE STREAMBED WITH SUFFICIENT COVER FOR INSTALLATION OF THE CULVERT. IF THE EXISTING PIPE IS IN CONFLICT WITH THE PROPOSED PRECAST CULVERT, NOTIFY THE ENGINEER IMMEDIATELY.

**NEW JERSEY AMERICAN WATER (WATER)**

THE ATTENTION OF THE CONTRACTOR IS CALLED TO PRESENCE OF EXISTING WATER LINES BENEATH STREAMBED. THE CONTRACTOR SHALL CONDUCT TEST PITS TO VERIFY THE LOCATION OF THE WATER LINE. WATER LINE IS TO REMAIN IN PLACE AND TO BE PROTECTED DURING CONSTRUCTION. IT IS ASSUMED THAT THE LINE IS UNDER THE STREAMBED WITH SUFFICIENT COVER FOR INSTALLATION OF THE CULVERT. IF THE EXISTING PIPE IS IN CONFLICT WITH THE PROPOSED PRECAST CULVERT, NOTIFY THE ENGINEER IMMEDIATELY.

**CP&L (POWER)**

THE ATTENTION OF THE CONTRACTOR IS CALLED TO PRESENCE OF HIGH VOLTAGE AERIAL LINES ON UTILITY POLES RUNNING ALONG MOUNTAIN AVENUE. THE LINES CANNOT BE DE-ENERGIZED OR RE-ROUTED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY ALL CONSTRUCTION ACTIVITIES IN THE VICINITY OF THE POWER LINES.

**COMCAST (CABLE)**

THE ATTENTION OF THE CONTRACTOR IS CALLED TO PRESENCE OF EXISTING AERIAL COAX CABLES, ATTACHED TO UTILITY POLES ABOVE TELEPHONE LINES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY ALL CONSTRUCTION ACTIVITIES IN THE VICINITY OF THE CABLE LINES.

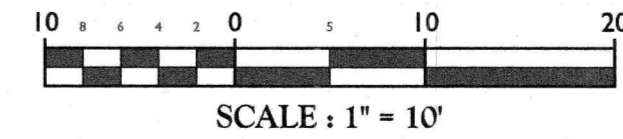
**TOWNSHIP OF BERKELEY HEIGHTS (SEWER)**

THE ATTENTION OF THE CONTRACTOR IS CALLED TO PRESENCE OF EXISTING SANITARY MANHOLE IN FRONT OF THE NORTHEAST DRIVEWAY, AND 8" CLAY LINE RUNNING FROM THIS MANHOLE TOWARDS THE HOUSE. THE SEWER LINE AND MANHOLE SHALL REMAIN IN PLACE AND SHALL BE PROTECTED DURING CONSTRUCTION.

**TEST PITS:**

☐ SUGGESTED LOCATION OF TEST PIT

DIVERT WATER AND EXCAVATE WITH HAND HELD TOOLS TO EXPOSE EXISTING CONCRETE INVERT; CAREFULLY DEMOLISH INVERT TO EXPOSE TOP OF PIPE; OBTAIN DIRECT MEASUREMENT FROM TOP OF PIPE TO UNDERNEATH SURFACE OF ROOF AND SUBMIT TO ENGINEER



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**COUNTY OF UNION, DIVISION OF ENGINEERING**  
 THOMAS MINEO, P.E., COUNTY ENGINEER

**REPLACEMENT OF COUNTY BRIDGE NO. Be-26**  
**MOUNTAIN AVENUE MINOR BRIDGE,**  
**TOWNSHIP OF BERKELEY HEIGHTS, UNION COUNTY**  
**NEW JERSEY**

UNION COUNTY NEW JERSEY

**UTILITY PLAN**

scale: \_\_\_\_\_ drawn by **NHC** checked by **AMI** date **DEC. 2018**

**RICHARD G. MALONEY** **MASER**  
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