



**MONROE COUNTY
BID PROPOSAL**

Division of Purchasing
County Office Building, Room 200
39 West Main Street
Rochester, NY 14614
(585) 753-1100

BID PROJECT NUMBER: 0501-12

BID TITLE: Culver Goodman Tunnel System
DS-14, 15 AND 16 Modification
General Construction

BUYER: Sharon A. Berndt
PHONE: (585) 753-1110

BID TIME: 11:00 AM
BID DATE: June 7, 2012

BID SECURITY REQUIRED: No: X
Yes, in the amount of _____ as specified herein

ITEM AND/OR GROUP NO.	ESTIMATED QUANTITY	ARTICLES OR SERVICES	UNIT PRICE	EXTENSION
Contract No. 1		General Construction DS-14 and DS-15 Per attached Specifications, Conditions and Drawings		\$ _____
Alternate No. 1		Alternate No. 1 DS-16 Per attached Specifications, Conditions and Drawings		\$ _____

PRE-BID FOR PROSPECTIVE BIDDERS WILL BE HELD:
DATE: May 31, 2012
TIME: 9:00 AM
LOCATION: Webster Avenue & Garson Avenue, Rochester, NY – Start at DS-14

I have received, read and agree to the terms and conditions as set forth in General Terms and Conditions, Monroe County, attached, and any special terms and conditions set forth in the General and Technical Specifications herein. I have read, understand and agree to all Instructions to Bidders (including the Non-Collusion Bidding Certification) on the reverse hereof. I hereby recognize and agree that upon execution of this document by an authorized officer of Monroe County, that this document, together with the Contractor's bid as accepted by Monroe County and all other documents prepared by or on behalf of Monroe County for this bid solicitation, shall become the binding contract between the parties for the services to be provided in accordance with the terms and conditions set forth herein.

FIRM NAME _____

SIGNED BY _____

ADDRESS _____

PRINTED NAME _____

TITLE _____

FEDERAL ID NO. _____

PHONE NO. _____

E-MAIL ADDRESS _____

FAX NO. _____

BID ACCEPTANCE AND CONTRACT AWARD

The above bid is accepted, except as noted, and the contract is awarded to you for the following item(s):

Authorization to furnish supplies/services will be made via Purchase Order, as appropriate, signed by the Monroe County Purchasing Manager, or designated agent. Contract period from _____ to _____.

Date: _____

BY: _____
Dawn C. Staub, Purchasing Manager, Monroe County

DCS

INSTRUCTIONS TO BIDDERS

- All public bids must be submitted to Purchasing in sealed envelopes which clearly identify the bid project number and the title of the service/product being bid. Any other writing on the envelope, with the exception of company logos, etc. may result in bids being misplaced and otherwise rejected.
- Unsigned bids may be rejected as informal.
- Questions regarding ambiguities or the propriety of these specifications should be addressed, in writing, to the Buyer, prior to the formal bid opening. Such questions will not be entertained after said bid opening.
- Where a Bid Security is indicated on the face of the proposal, the security must be attached to the Proposal as an earnest of good faith. In this case, any bid without a bid security may be rejected as informal.

The Purchasing Manager reserves the right to reject any and all bids, to waive any informality in the bids and to make awards in the best interest of Monroe County.

NON-COLLUSION BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder, certifies and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
2. Unless otherwise required by law, the prices, which have been quoted in its bid, have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor.
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit a bid for the purpose of restricting competition.

**CERTIFICATION REGARDING
DEBARMENT, SUSPENSION AND RESPONSIBILITY**

The undersigned certified, to the best of his/her knowledge and belief, that the Contractor and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded by any Federal department or agency;
2. Have not within a three-year period preceding this transaction/application/proposal/contract/agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 2 of this certification and;
4. Have not within a three-year period preceding this transaction/application/proposal/contract/agreement had one or more public transactions (Federal, State or local) terminated for cause or default.

Date: _____

[Print Name of Contractor]

By: _____

[Signature]

[Print Name]

[Print Title/Office]

VENDOR MUST COMPLETE THIS FORM AND SUBMIT WITH BID.

TERMS AND CONDITIONS

BID ITEM: Culver Goodman Tunnel System DS-14 and DS-15 Modification (General Construction) and DS-16 Modification (Alternate No. 1)

FOR: Department of Environmental Services

DEPARTMENT CONTACT: David Cross, (585) 753-7932

DUPLICATE COPIES: **PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.**

BID INFORMATION: At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.

SUBMITTAL OF FORMAL PROPOSAL: Bid proposal must be legible and submitted in the original form, bearing an original signature. **EMAILS AND FACSIMILES ARE NOT ACCEPTABLE.**

Bidders must submit proof that they have obtained the required **Workers' Compensation** and **disability benefits** coverage or proof that they are exempt if awarded the contract.

SPECIFICATION ALTERATIONS: Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

NYS WAGE RATES: Pursuant to the provision of Section 220-A of the New York State Labor Law, as amended, the Contractor (and related Subcontractors) will be obligated to pay all workers in the covered classes only the applicable prevailing wage rates and supplements. The minimum hourly wage rate to be paid the various classes of labor performing work under this contract shall be in accordance with schedules which have been established or may hereafter be established or increased, by the New York State Department of Labor during the contract term. **Refer to NYS Wage Schedule PRC# 2012004261 developed for this project.**

BRAND REFERENCE: References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

QUALIFIED BIDDER:

Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform. Monroe County reserves the right to reject any and all bids** if the Monroe County Purchasing Manager deems said action to be in the best interest of Monroe County.

METHOD OF AWARD:

Monroe County intends to award the bid to the lowest responsive and responsible bidder based on the **TOTAL. Bidder must bid on all items in order to be considered.** **The County reserves the right to reject any and all bids** if the Purchasing Manager deems said action to be in the best interest of the County.

**PURCHASE ORDER
ISSUANCE:**

Delivery of services may be directed by the receipt of a Purchase Order only. **Items that are not part of this bid will not be paid for by Monroe County.** Contractor must be prepared to submit shop drawings for project within ten (10) days and order required equipment and materials within four (4) weeks after receipt of Purchase Order.

As to all purchase orders issued by Monroe County, exceptions may only be authorized, in writing, by the Purchasing Manager or her authorized agent prior to delivery.

**WARRANTY/
GUARANTEE:**

All warranties by manufacturer shall apply. Bidder shall, as part of its proposal, furnish its warranty/guarantee for all goods/services to be furnished hereunder. As a minimum, Bidder shall warrant all goods/services for a period as two (2) years from date of acceptance. Bidder shall be obligated to repair or replace all defects in material or workmanship which are discovered or exist during said two (2) year period. All labor, parts and transportation shall be at Bidder's expense.

**PERFORMANCE and
LABOR & MATERIAL
BONDS:**

The successful bidder shall procure, execute and deliver to the Owner and maintain at his own cost and expense a Performance and Labor & Material Bonds **in the amount of the contract**, of surety company approved by the Owner and authorized to do business in the State of New York as a surety. The security can be in the form of a Certified Check, Bank Draft, Standard Form of Irrevocable Letter of Credit or Performance Bond.

**SECURITIES AND
INSURANCE:**

Any Certificate of Insurance, Bonds or other forms of security required by this bid are to be submitted to the Purchasing Manager no later than ten (10) normal business days following the date of notification of award. Documents must be received by the close of business, 5:00 PM on that day.

**COMPLIANCE WITH
THE LAW:**

The Contractor agrees to procure all necessary licenses and permits. The Contractor shall comply with all laws, rules and regulations pertaining to the payment of wages and all other matters applicable to the work performed under this contract.

SUBCONTRACT:

The Contractor shall not subcontract any work without first obtaining the written consent of the Monroe County Purchasing Manager.

INDEMNIFICATION:

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained, or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees, or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

SUPPLEMENTARY CONDITIONS

SC 1. INTRODUCTION

The purpose of these Supplementary Conditions of the Contract is to both supplement and modify the requirements of the Terms and Conditions and to present additional requirements of the Contract Documents. In general, the requirements of all sections of the Contract Documents apply to any and all items herein; however, in case of conflict between the Terms and Conditions and the Supplementary Conditions, the Supplementary Conditions shall govern.

SC 2. ADDITIONS TO THE TERMS AND CONDITIONS

The OWNER's Terms and Conditions are hereby modified as follows, add the following:

A. DEFINITIONS

1. *Bidder*: Any party or parties submitting in proper form a Proposal to perform the work hereinafter specified to be performed. The successful Bidder selected by the Owner to perform the work hereinafter specified will thereafter be known as the "Contractor".
2. *Complete*: When the Owner determines that all work has been performed, including all punch list items, and the Contractor has submitted the record drawings, O & M manuals, release of liens and any other documents/materials required to be submitted in other provisions of the Contract Documents.
3. *Contract Documents*: The Bid Proposal, Instructions to Bidders, Agreement, Performance and Labor and Material Bonds, the Terms and Conditions, Supplementary Conditions, Technical Specifications and Drawings, including modifications thereof incorporated in the Documents before their execution; these form the Contract.
4. *Consultant*: The professional engineer, architect, landscape architect, or land surveyor firm so designated by the Owner whose name and address is given on the cover, or any duly authorized representative of that firm. If the Owner has not designated a Consultant, the Owner shall be deemed to be the Consultant.
5. *Consultant's Certification*: The Consultant's written certification to the Owner, including the date for the start of the guarantee period.
6. *Contractor*: The party or parties contracting to perform the work or his or their heirs, executors, administrators, successors, or assigns. Contract No. 1 – General shall mean specifically the Contractor that is contracted to perform the work for Contract No. 1 – General Construction.
7. *Owner*: Monroe County.
8. *Subcontractor*: A company or individual who contracts with a prime contractor, or higher level subcontractor, to perform a portion of the work, whether such work is performed on the Owner's construction site, or at an off-site facility. Such work includes repair of equipment as called for in the contract documents.
9. *Substantial Completion*: The Work, or a specified part thereof, has progressed to the point where in the opinion of the Owner or Owner's Representative, as evidenced by a certificate of Substantial Completion, it is sufficiently complete, in accordance with the Contract Documents, so that the Work, or specified part, can be utilized for the purposes for which it is intended.
10. *Supplier*: A company or individual who provides materials or equipment, including that fabricated to a special design, to a contractor or subcontractor, but who does not perform labor at the site.
11. *Work*: The furnishing of all labor, materials, equipment, and other incidentals necessary or convenient to the successful completion of the project and the carrying out of all the duties and obligations imposed by the contract.

B. INTENT OF DOCUMENTS AND INSTRUCTIONS

1. The Terms and Conditions and Technical Specifications, Drawings and any instructions as set forth herein are complementary, are intended to provide for, and include everything necessary for, the proper and orderly execution and completion of the work. Any work shown on the Drawings for which there are no particular specifications, or the omission from both Drawings and Specifications of express reference to any work which obviously was intended under the Contract, shall not excuse or relieve the Contractor or subcontractor from furnishing the same. Work or materials described in words which have a generally accepted technical or trade meaning, shall be interpreted by such customary and recognized standard meaning.
2. Wherever the words "directed", "required", "permitted", "ordered", "designated", "prescribed", or words of like import are used in the Specifications or on the Drawings, it shall be understood that the direction, requirement, permission, order, designation, and prescription of the Consultant is intended. Similarly, the words "approved", "acceptable", "satisfactory", and words of like import shall mean approved by, acceptable to, and satisfactory to the Consultant, unless otherwise expressly stated.
3. Written notice shall be deemed to have been given if delivered in person to the individual or to a member of the firm, or to an officer of the corporation for whom it is intended, or if delivered at or sent by first-class mail, overnight delivery, or facsimile to the last known business address.
4. All time limits stated in the Contract Documents are of the essence.
5. The laws of the State of New York, without regard to its conflicts of laws provisions, shall govern this Contract.

C. MODIFICATIONS

1. No oral statement of any person whomsoever shall in any manner or degree modify or otherwise affect the terms of this Contract.
2. The results of any previous negotiation, agreement or understanding, whether oral or in writing, have been incorporated in the Contract Documents and such Documents contain the full intent of the parties.
3. All directives to the Contractor shall be issued by the Consultant unless otherwise specified in these Contract Documents. All directives from other interested parties shall be issued through the Consultant except in the event of an emergency when the Consultant is not available. All inquiries by the Contractor shall be directed to the Consultant.

D. CONFLICTS AND DISCREPANCIES (ORDER OF PRECEDENCE)

1. The contract documents are complementary; what is called for in one is as binding as if called for in all. If the Contractor finds a conflict or discrepancy in the contract documents, it should be called to the attention of the Consultant in writing before proceeding with the work affected thereby. In resolving such conflicts and discrepancies, the documents should be given preference in the following order:
 - a. Agreement
 - b. Change Orders
 - c. Specifications
 - d. Drawings
 - e. Other materials included in the bid documents (e.g. geotechnical reports)
2. Within the specifications, the order of precedence is as follows (note that not all elements listed are included in all contract documents):
 - a. Addenda
 - b. Special Conditions
 - c. Special Notes
 - d. Instructions to Bidders
 - e. Performance and Labor and Material Bonds
 - f. Supplemental Conditions

- g. Technical Specifications
 - h. Standard Specifications (e.g. NYSDOT Standard Specifications)
 - i. Requirements of other agencies (e.g. FAA Advisories)
3. With reference to the drawings, the order of precedence is as follows:
- a. Figures govern over scaled dimensions
 - b. Detail drawings govern over general drawings
 - c. Change order drawings govern over contract drawings
 - d. Contract drawings govern over standard drawings
 - e. Approved shop drawings govern over Contract drawings
4. In no case shall the Contractor proceed with the work in uncertainty. Any work done by the Contractor after the discovery of any conflict or discrepancy, until authorized, shall be at the Contractor's risk and responsibility. The work is to be made complete and to the satisfaction of the Consultant notwithstanding any conflict or discrepancy in the specifications or on the drawings.

E. RECORD DRAWINGS

1. The Contractor shall perform all survey work required for the location and construction of the work and to record information necessary for completion of the record drawings. Record drawings shall show the actual location of the constructed facilities in the same manner as was shown on the bid drawings. All elevations and dimensions shown on the drawings shall be verified or corrected so as to provide a complete and accurate record of the facilities as constructed.
2. It shall be the responsibility of the Contractor to mark each sheet of a set of Contract Drawings in red ink/pencil and record thereon in a legible manner, heretofore known as "red line" drawings, any and all approved field changes and conditions as they occur for the purpose of recording "as-built" conditions. A complete file of approved field sketches, diagrams, and other approved changes shall also be maintained and attached to the red line set of contract drawings. The red line drawings shall be reviewed by the Consultant for accuracy as often as deemed necessary by the Consultant. Errors or omissions that are identified shall be promptly corrected. The Consultant may withhold the Contractor's progress payment request until the red line drawings have been updated by the Contractor. At the completion of the work, each sheet of the red line drawings, plus all approved field sketches and diagrams shall be certified by the Contractor as reflecting the as built conditions of the work. The Contractor shall thereafter submit to the Consultant the original red line drawings, referenced in paragraph a. above, for approval prior to release of any retainage and establishing the value of the work.

F. PRECONSTRUCTION CONFERENCE

1. At the direction of the Consultant or the Owner, and prior to commencement of the work, the Contractor and his major subcontractors shall attend a preconstruction conference with the Consultant. The conference will include discussions on matters relative to the proper coordination of the work and maintenance of schedules and other pertinent aspects of the project.

G. ON-SITE JOB MEETINGS

1. On-site job meetings will be held during the performance of the work of this Contract. Supervisory personnel representing the Contractor and major subcontractors that are deemed necessary at the time must attend. Meetings will be held bi-weekly.

H. CONSTRUCTION SCHEDULE

1. Within ten (10) days of the date of the Notice of Award, and before commencing work, the Contractor shall submit to the Consultant for approval, a construction schedule showing in detail the proposed sequence of the work, and the estimated date of starting and completing each stage of the work in order to complete the project within the

Contract time. The schedule shall reflect the proposed percent of the value of the Contract to be accomplished each week. If so required, the schedule shall be revised until it is approved by the Consultant. Contract No. 1 – General shall submit the construction schedule and shall coordinate it with the proposed schedules of other contractors, if any, engaged in work at the site. No payment will be made to the Contractor until a construction schedule has been approved.

2. The Contractor shall be responsible for the proper coordination of its work so as to maintain its schedule as approved. Should the Contractor fail to adhere to any phase of the approved schedule, they shall promptly adopt such additional means or methods of construction, including overtime, as may be necessary to make up lost time and complete each phase of his work in accordance with the schedule, all at no additional cost to the Owner.
3. The schedule shall be marked by the Contractor to indicate progress and shall be resubmitted to the Consultant weekly, and shall reflect revised estimates and actual durations and percent complete. Resubmitted schedules shall be accompanied by a detailed description of work to be accomplished during the succeeding week.

I. TIME OF COMPLETION

1. The work to be completed under this Contract shall be commenced within ten (10) days after receipt of Purchase Order date, issued by the Owner.
2. The entire work shall be progressed and completed in accordance with the project milestone requirements identified in the Supplementary Conditions.
3. Failure to complete the work within the time stipulated in the Supplementary Conditions for both Project Completion and any intermediate milestones, including extensions granted thereto as determined by the Consultant, or abandonment of the work before final completion, shall entitle the Owner to amounts stipulated in the Supplementary Conditions for each calendar day of delay in the completion of the work for both Project Completion and any intermediate milestones, said sums being fixed and agreed as liquidated damages which the Owner will suffer by reason of such delay and not as a penalty. The Owner may deduct such liquidated damages from the monies due, or about to become due to the Contractor, or may recover such liquidated damages directly from the Contractor. Enforcement of this clause does not preclude the Owner from seeking any other legal remedies for Contractor's failure to complete the work within the time stipulated in the Supplementary Conditions for both Project Completion and any intermediate milestones.

J. PROGRESS PAYMENTS

The Owner shall make progress payments under this Contract as follows:

1. On not later than the fifth day of every month, the Contractor shall submit an approvable invoice covering the percentage of the total amount of the Contract which has been completed from the start of the project up to and including the last day of the preceding month, less any amount previously paid to the Contractor. Attached to said invoice shall be supporting documentation which may reasonably be required by the Owner or the Consultant.
2. Not later than the fifth day of the month following the submittal of an approvable invoice, the Owner will make partial payment to the Contractor on the basis of a duly certified approved estimate of the work performed during the preceding period by the Contractor in accordance with the following terms:
 - a. The Owner shall retain five percent (5%) of the amount due on each invoice. The Owner reserves the right to retain a greater percentage in the event the Contractor fails to make satisfactory progress or in the event there is other specific cause for greater withholding.
 - b. Notwithstanding any of the amounts to be withheld in accordance with the paragraph set forth above, the Owner has the further right to withhold any amount necessary to satisfy any claims, liens or judgments against the Contractor and the subject project which have not been satisfactorily discharged.

- c. The Owner hereby reserves the right to deduct from any monies due or to become due the Contractor any costs incurred by the Owner arising out of this contract for the handling and/or processing of any liens, release of liens, restraining notices, garnishments, levies, summons, subpoenas or other documents, legal papers, suits or actions served upon or filed with the Owner.
 - d. At such time that the Owner deems the project to be Complete, the amount retained shall be reduced below five percent (5%) to two percent (2%) of the total contract amount. In the event that the Owner gives approval to allow any work (including punch list items) to be completed after the project completion date, the amount retained shall be increased to include two times the value of any remaining items of work to be completed, with the value determined by the Owner.
3. No payment will be made for any materials or equipment until they are incorporated in the work; except, that partial payment may be made for the estimated value of the materials in short and/or critical supply (as verified by the Owner) and materials specifically fabricated for the project, each as defined in the Contract, when delivered to the site or off site by the Contractor and suitably stored and secured as required by the Owner, provided, however, that the Contractor, if so requested by the Owner, shall furnish written evidence that he is the unconditional Owner of the materials.
 4. All work covered by partial payments shall thereupon become the sole property of the Owner, but this provision shall not be construed as relieving the Contractor from his sole responsibility for the care and protection of work upon which payments have been made, of the restoration of any damaged work, or as waiver of the right of the Owner to require the fulfillment of all the terms of the Contract.
 5. Before any payments will be made under this Contract, the Owner reserves the right to require the Contractor and all subcontractors to submit written verified statements, in satisfactory form, certifying in detail to the amounts then due and unpaid by such Contractor and its subcontractors to all laborers for daily or weekly wages on account of labor performed upon the work under this Contract, or to other persons for materials, equipment and supplies delivered at the site of the work. The term "laborers," as used herein, shall include workers and mechanics.
 6. The Contractor must pay subcontractors for satisfactory performance of their contracts within seven (7) days from receipt of each payment that the Owner makes to the Contractor. Contractors shall not withhold retainage from subcontractors. Documentation of all subcontractor payment amounts shall be submitted with payment requests.

K. ACCEPTANCE AND FINAL PAYMENT

1. Upon completion of the project, including submission of record drawings, release of liens, and any other documents or materials required to be submitted in accordance with other portions of the Contract Documents, the Consultant shall make a final inspection for approval of all the work done under this contract and shall, within fifteen (15) days, prepare a certification to the Owner regarding completion of the work done, the value thereof, and recommending acceptance of the contract. The Owner shall, upon approval of this certificate, promptly pay the Contractor the entire sum so found due thereunder after deducting all previous payments and all percentages and amounts to be kept and retained under provisions of this Contract, and shall notify the Contractor of acceptance and start of the guarantee.
2. Before issuance of the Consultant's certification, the Contractor shall submit evidence satisfactory to the Owner and Consultant that all payrolls, material bills, and other indebtedness connected with the work have been paid.
3. The Contractor shall guarantee the work accomplished under this Contract for the Guarantee Period from the date the project is considered Complete by the Owner. Upon expiration of the guarantee period, the Contractor shall submit an invoice to the Owner for final payment. Final payment for the work shall be retainage withheld by the Owner during the guarantee period or, alternatively, the release of the letter of credit furnished by the Contractor in lieu of such retainage less any charges for corrective work or damages for defective equipment, materials and workmanship or those charges occasioned in correcting the same.

L. SCHEDULE OF VALUES

1. At least fifteen (15) days before submission of the first application by the Contractor for a progress payment, the Contractor shall furnish to the Owner a complete breakdown of all lump sum items bid for in the Contract. This breakdown, modified where directed by the Consultant, will be used as a basis for preparing progress payments throughout the duration of the Contract.
2. Except as otherwise provided in the Contract Documents, no payment will be made for materials or equipment not incorporated in the work.
3. No payment will be made for modifications until the formal change order for the modification is fully executed.
4. Neither the final payment nor any partial payment shall constitute acceptance of any defective workmanship or material, or noncompliance with the Drawings and Specifications.

M. CHANGES IN THE WORK

1. The Owner may order extra work or make changes altering, adding to or deducting from the work without invalidating the Contract. All such additional or changed work shall be executed under the conditions of the original Contract. Upon receipt of direction from the Owner to alter the work, the Contractor shall notify the Owner in the event the Contractor intends to make a claim for extension of time or additional costs to perform such revised or additional work. The Contractor shall proceed with the altered or additional work upon receipt of the Owner's direction.
2. The Contractor shall promptly submit to the Consultant a proposal for performing the changed work including a detailed price breakdown itemizing all major items of cost, quantity or number of units, material and labor unit prices. The Contractor shall promptly comply with all requests from the Consultant for additional supporting documentation for the Contractor's proposal. The value of the changed work to be included in the written contract change order shall be determined in accordance with the Contract Documents.
3. The Consultant shall have the authority to make minor changes in the work not involving extra costs and not inconsistent with the purposes of the Project. The Contractor shall proceed with such changed work upon receipt of the Consultant's direction. In the event the Contractor claims that any such work is extra work or is contrary to the terms and conditions of the Contract Documents, the Contractor shall make a claim for extra costs in accordance with the Contract Documents.
4. With respect to all additional work or modifications to be performed by the Contractor, the Contractor shall be obligated to diligently perform such work and to mitigate any and all costs associated with such work.

N. CLAIMS FOR EXTRA COST

1. If the Contractor claims that any work it has been ordered to do shall be considered extra work, or that any action or omission of the Owner or the Consultant is contrary to the terms and provisions of the Contract Documents, they shall, within five (5) calendar days after receipt of such orders or action or omission on the part of the Owner or the Consultant, file a written statement with the Consultant stating the basis of their claim.
2. All written claims for extra costs shall be forwarded to the Owner by the Consultant. Upon receipt by the Contractor of an acknowledgement from the Consultant of a pending claim for extra costs, the Contractor shall diligently proceed with the performance of the Contract and in accordance with all instructions of the Consultant.
3. Except in an emergency endangering life or property, the Contractor shall not proceed with any alleged extra work until the above noted acknowledgement of their claim is received.
4. The Contractor shall set up a separate cost record system, satisfactory to the Owner and the Consultant, for substantiation and verification of all costs incurred in performing

- each claim of alleged extra work.
5. In an effort to resolve any conflicts that arise during the construction of the project or following the completion of the project, the Owner and the Contractor agree that all unresolved disputes between them arising out of or relating to this contract shall first be submitted to non-binding mediation unless the parties mutually agree otherwise.
 - a. The Contractor further agrees to include a similar mediation provision in all agreements with subcontractors retained for the project and to require all subcontractors also to include a similar mediation provision in all agreements with their subcontractors, suppliers or fabricators thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.
 - b. The Owner and the Contractor agree to select a mediator from lists suggested by each party. The mediator shall be a person knowledgeable in the type of matter under dispute and may be an accredited mediator, contractor, consultant, or otherwise knowledgeable person. Whenever possible the mediator shall be from the local area. All mediation sessions shall be held in Monroe County. The cost of the mediator shall be shared equally by the parties to the dispute.

O. GUARANTEE PERIOD

1. The guarantee period shall commence upon the date the project is considered Complete by the Owner (said date will be specified in the Consultant's certification) and continue for a period of two (2) years unless stipulated otherwise in the Special Conditions. In the event that the Owner gives approval to allow any work to be completed after the project completion date, the guarantee period for said work shall not begin until after it has been completed and accepted by the Owner. The guarantee shall have the value of two (2) percent of the final Agreement amount during the guarantee period.
2. Upon completion and acceptance of the work by the Owner and Consultant, the Contractor shall submit to the Owner a general guarantee for the entire work. The guarantee shall be unconditional and cover all labor, material and equipment furnished. All guarantees shall be written in a form satisfactory to the Owner.
3. The Contractor shall remedy any defective work appearing within the guarantee period and shall pay for damages caused by such defective equipment, work or materials or occasioned in correcting the same.
4. If any defects occur within the guarantee period, the Contractor shall, within three (3) days after receipt of notification of such defects, take the necessary action to correct such defects. The correction of any defects in equipment, materials and workmanship which may develop during the guarantee period shall be at the expense of the Contractor. If the Contractor fails to comply with the requirements of this paragraph within the time stated, the Owner may have the corrective work done and charge the Contractor therefore.
5. Request for final payment for the work may be submitted upon expiration of the guarantee period unless any defects in equipment, materials and workmanship remain at such date.
6. The guarantee shall have the value of two percent (2%) of the final Contract amount during the guarantee period. The Owner will retain the sum of two percent (2%) of the final Contract amount during the guarantee period as security for performance of the guarantee work; provided, however, that the Contractor may substitute for such retainage an irrevocable standard form letter of credit for the benefit of the Owner in the foregoing amount, in a form acceptable to the County Attorney. Alternatively, the Contractor may submit negotiable United States, New York State or municipal bonds in accordance with Section 106 of the General Municipal Law of New York State.

P. SHOP DRAWINGS

1. Within ten (10) days receipt of the Purchase Order, the Contractor shall submit to the Consultant for approval a schedule of shop drawing submissions. The Consultant shall be notified immediately of changes in the schedule. Any changes in the shop drawing

submission schedule shall be presented to the Consultant for approval. Shop drawings shall be submitted in accordance with the approved schedule of shop drawing submissions and any approved changes thereto.

2. The Contractor shall submit for the approval of the Consultant shop drawings for all fabricated work and for all manufactured items required to be furnished in the Contract. Shop drawings shall be submitted in sufficient time to allow at least ten work days for the review. All shop drawings shall be time and date stamped as they are received and recorded in a log at the office of the Consultant.
3. Consultant's approval of the Contractor's drawings shall be considered as a gratuitous service, given as assistance to the Contractor in interpreting the requirements of the Contract, and in no way shall it relieve the Contractor of any responsibilities under the Contract. Any fabrication, erection, setting or other work done in advance of the receipt of shop drawings or other work done in advance of the receipt of shop drawings returned by the Consultant and noted as "Reviewed" or "Reviewed as Noted", shall be entirely at the Contractor's risk. The Consultant's review will be confined to general arrangement and compliance with the Contract Drawings and Specifications only, and will not be for the purpose of checking dimensions, weights, clearances, fitting, tolerances, interferences, coordination of trades, etc.
4. Shop drawings shall be furnished to the Consultant for use in accordance with the following sequence of operation:
 - a. The Contractor shall submit four copies of shop drawings to the Consultant for review. If "Reviewed" or "Reviewed as Noted," one copy will be returned to the Contractor.
 - b. When shop drawings are returned for correction, the Consultant will retain one copy and will return all other copies noted as "Resubmit" or "Rejected." The Contractor shall correct and resubmit for approval as described above, and such procedure shall not be considered by the Contractor as grounds for delay in completing the work.
 - c. Failure of the Contractor to supply the required number of shop drawings for field use shall constitute reason to reject work or material at the job site.
5. Shop drawings submitted by subcontractors shall be sent directly to the Contractor for preliminary checking. The Contractor shall be responsible for their submission to the Consultant at the proper time so as to prevent delays in delivery of materials.
6. The Contractor shall thoroughly check all subcontractors' shop drawings as regards measurements, sizes of members, materials, and details to satisfy himself that they conform to the intent of the Contract Drawings and Specifications. Drawings found to be inaccurate or otherwise in error shall be returned to the subcontractors by the Contractor for correction before submitting them to the Consultant. Before submission, the Contractor shall mark the drawing as being checked and approved, dated and signed.
7. All details on shop drawings submitted for approval shall clearly show the relation of the various parts, and where the work depends upon field measurements, such measurements shall be obtained by the Contractor and noted on the shop drawings before being submitted for approval.
8. All submissions shall be properly referenced to indicate clearly the specification section, location, service and function of each particular item. All submissions for one item or group of related items shall be complete. Where manufacturer's publications in the form of catalogues, pamphlets, or other data sheets are submitted in lieu of prepared shop drawings, such submission shall specifically indicate the item for which approval is requested. Identification of items shall be made in ink, and submissions showing only general information are not acceptable.
9. The Contractor shall submit one copy of all approved shop drawings in hard copy format and on CD-ROM in Adobe Acrobat® .PDF format upon completion of the project.
10. Before release of any retainage, the Contractor shall deliver to the Consultant two (2) complete bound sets of the final approved shop drawings applicable to the Contract for Owner's permanent files.

Q. OWNER'S RIGHT TO TERMINATE AND/OR COMPLETE CONTRACT

1. Should the Contractor become insolvent, or should it refuse or neglect to prosecute the work in a proper manner and as directed by the Owner, or otherwise fail in the performance of any of its obligations under this Contract, and Surety after proper request fails to complete the Contract, then the Owner, upon the certificate of the Consultant that sufficient cause exists to justify such action, and after giving the Contractor seven (7) calendar days written notice, may, without prejudice to any other right or remedy, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method he may deem expedient. In such cases, no further payment shall be made to the Contractor until the work is completed, at which time, if the unpaid balance of the Contract price shall exceed the expense of finishing the work, such excess shall be paid to the Contractor. Should such expense exceed the unpaid balance, the Contractor and his surety shall pay the difference to the Owner. The Owner shall audit and certify the expense incurred in finishing the work and the damage incurred through the Contractor's fault.

R. EQUIVALENTS AND SUBSTITUTIONS

1. Whenever a particular brand or make of material, equipment or other item is specified or is indicated in the Contract Documents, any other brand or make which, in the opinion of the Consultant, is equivalent in quality, value, performance and suitability to that specified or indicated may be offered except where specifically stated otherwise.
2. A particular brand or make of material, equipment or other item which is not equivalent in quality, value, performance and suitability may be considered as a substitute if it is determined by the Consultant to be in the best interest of the Owner.
3. The Contractor shall submit complete descriptive literature and performance data together with samples of the materials where feasible for each proposed equivalent or substitution. No equivalent in quality, value, performance and suitability or substitution items shall be used in the work without prior written approval of the Consultant.
4. In all cases the Consultant shall be the sole judge as to whether a proposed equivalent or substitution is to be approved and the Contractor shall have the burden of proving the same, at his own cost and expense, to the satisfaction of the Consultant. The Contractor shall abide by the Consultant's decision when proposed equivalent or substitution items are judged to be unacceptable and shall in such instances furnish the item specified or indicated. The Contractor shall have and make no claim for an extension of time or for damages by reason of the time taken by the Consultant in considering an equivalent or substitution proposed by the Contractor or by reason of the failure of the Consultant to approve an equivalent or substitution proposed by the Contractor.
5. Where the approval of an equivalent or substitution requires revision or redesign of any part of the work covered by this Contract, all such revision and redesign, and all new Drawings and details required therefore, shall be subject to the approval of the Consultant and shall be provided by the Contractor at his own cost and expense. Any changes in construction work arising out of such revisions and redesign shall be performed and paid for by the Contractor. Any savings realized by the Contractor as a result of the approved substitution, including any savings in installation costs or related construction costs, shall be shared equally between the Owner and the Contractor.

S. OPERATIONS AND MAINTENANCE MANUAL/SPARE PARTS DATA

1. At a reasonable time before the Owner takes beneficial occupancy of the work, the Contractor shall furnish maintenance manuals, warranties, and spare parts data for equipment and materials provided within the contract. Spare parts data shall include a complete list of parts and supplies, with current unit prices and source of supply; a list of parts and supplies that are normally furnished at no extra cost with the purchase of the equipment and a list of additional items recommended by the manufacturer to assure

efficient operation for a period of one hundred and twenty days at the particular installation. Operations and Maintenance Manuals which include warranty and spare parts information shall be submitted in accordance with the technical specifications. The foregoing shall not relieve the Contractor of any responsibilities under any guaranty specified herein.

T. CONSTRUCTION AND DEMOLITION DEBRIS

1. The New York State Department of Environmental Conservation regulates solid waste management facilities under Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR Part 360). Sub-part 360-7 regulates the disposal of construction and demolition debris, and the construction and operation of construction and demolition debris landfills. Disposal of all construction and demolition debris shall be in accordance with these regulations.
2. Nothing herein is intended to prevent the Contractor from removing materials to off-site locations for speculative accumulation, beneficial use, recovery or recycling purposes if such activities are consistent with all applicable Federal, State and local laws and regulations.

U. PROJECT MILESTONES AND LIQUIDATED DAMAGES

1. Work shall be progressed to meet the following schedule ("No. of Days" represents the number of calendar days from the date of the Purchase Order:

Base Bid Only

Milestone: <u>Substantial Completion</u>	# of Days: <u>90 days</u>
Milestone: <u>Project Completion</u>	# of Days: <u>105 days</u>

Base Bid + Alternate No. 1

Milestone: <u>Substantial Completion</u>	# of Days: <u>120 days</u>
Milestone: <u>Project Completion</u>	# of Days: <u>135 days</u>

2. The Contractor shall pay the Owner the following liquidated damages for each calendar day of delay in completing the work beyond the specified times of completion or within the times to which such completion may have been extended in accordance with the Contract Documents:

Milestone: <u>Project Completion</u>	# of Days: <u>\$500</u>
Milestone: _____	# of Days: _____

V. COORDINATION WITH OWNER'S OPERATIONS, CONNECTIONS TO EXISTING FACILITIES, AND MAINTENANCE OF OPERATIONS

1. The work of the project will take place at the Owner's Facilities. The Contractor is advised that a stormwater event or snow-melt may create significant increase in flow through any of the structures, and may create a condition that the work area is not accessible for work of the Contract. The Owner must have complete access to, and use of, existing drop structures. The Contractor is responsible for coordination with the Owner and scheduling of the work.

W. BARRICADES, WARNING SIGNS, LIGHTS

The Contractor shall be responsible for providing the following:

1. The Contractor shall provide, erect and maintain as necessary strong and suitable barricades, danger signs and warning lights along all roads and pathways accessible to the public and Owner's personnel, as required to ensure safety. All barricades and obstructions along roads and pathways shall be illuminated at night and all lights for this purpose shall be kept illuminated from sunset to sunrise.
2. The Contractor shall also provide and maintain such other warning signs and barricades in other areas as may be necessary or required for the safety of those employed in the work or visiting the site.
3. The Contractor shall provide and pay for necessary watchman and others as required to protect work and materials, and as required for the safe operation of pedestrian and vehicular traffic at all times.
4. The Contractor shall not restrict access to any private road or driveway by open trenches or the storage of materials or excavated material. The Contractor shall provide and maintain suitable temporary crossings over open ditches at all private roads and driveways.
5. Barricades, danger signs and warning lights shall be provided in accordance with local jurisdictional authorities.

X. SCHEDULING AND ORDER OF WORK

1. It shall be the Contractor's responsibility to develop and present a detailed construction schedule.

Y. COOPERATION WITH UTILITIES

1. It shall be the Contractor's duty to notify all utility companies, all pipe line owners or other parties affected, and to endeavor to have all necessary adjustment of the public or private utility fixtures, pipe lines, and other appurtenances within or adjacent to the limits of construction, made as soon as practical.
2. It is understood and agreed that the Contractor has considered in his bid all of the permanent and temporary utility appurtenances in their present or relocated positions and that no additional compensation will be allowed for any delays, inconveniences, or damage sustained by him due to any interference from the said utility appurtenances or the operation of moving them.

Z. PERMIT REQUIRED CONFINED SPACES

1. In accordance with Federal Regulations (29 CFR 1910.146) the Owner has designated all manholes, valve and metering vaults, wet wells, tanks, and flow channels as "permit required confined spaces", which meets OSHA's definition. The potential hazards therein may include, but are not limited to, toxic and/or explosive gases, oxygen deficiency, engulfment, entrapment, slips, falls and exposure to a mixture of stormwater runoff, household sanitary and other domestic wastewater, and commercial and industrial wastewater, which may be in, or flowing through the spaces. Control of these hazards may include, but are not limited to: isolation means such as lockout and tag out; gas monitoring equipment; and personal protective equipment.
2. The workplace contains permit required confined spaces and permit required confined space entry is allowed only through compliance with a permit required confined space program meeting the requirements of 29 CFR 1910.146. The Contractor shall have and follow its own permit required confined space program meeting the requirements of 29 CFR 1926.21 (b) (6) for all entries into the sewer system and other confined spaces.
3. If Owner, Consultant, or Contractor employees and/or representatives enter the sewer system and other confined spaces at the same time, all parties will follow a coordinated program approved by all parties. Coordinated entries do not alleviate the Contractor from having its own permit required confined space program.

AA. EMERGENCY CALL-OUT PROCEDURES

1. The Contractor shall have an employee available at all times to address issues and problems, which may arise during the project. This employee shall:
 - a. Have the authority to summon additional manpower and equipment to resolve any problems;
 - b. Be available after hours, weekends, and holidays; and
 - c. Carry a pager and/or cellular phone.
2. The Contractor shall provide the Owner and Consultant with this employee's name, home phone number, place of residence, cellular phone and/or pager number.
3. The Contractor's employee shall respond within one hour to a call received from the Owner, Consultant, Consultant's Field Representative, or the Owner's Dispatch Office.
4. If there is no response within one hour of the call, the Owner will resolve or repair the problem.
5. All costs incurred by Owner in response to Item BB.4 shall be billed to the Contractor for actual costs incurred or with a minimum charge of \$1,000 for each instance.

BB. REGULAR WORKING HOURS

1. Except where otherwise prohibited by law or regulations, regular working hours are defined as up to 8 hours per day, beginning no earlier than 7:00 a.m. and ending no later than 4:00 p.m., unless otherwise required by the Contract Documents.

CC. ACCESS TO THE WORK OF THIS PROJECT

1. Access to the work of this project shall be from public roads and their existing boundaries. At the Contractor's own expense, the Contractor shall obtain all additional easements, access and storage areas that he deems necessary for the work of this Contract.
2. The Contractor shall assume all responsibilities and indemnify against all liabilities assigned by said temporary use to the private owner and Monroe County. In general, the Contractor is required to restore all private property to a condition as good as or better than its condition before work began. The Contractor shall indemnify the temporary use grantor for any property or personal damage and for any injury to third parties due to the Contractor's operations.
3. In addition to the other requirements and conditions of the Contract Documents, the Contractor shall:
 - a. conduct and schedule all activities
 - b. provide all items, work and features, and
 - c. hold harmless the private owner and Monroe County for any claims hereunder due to the Contractor's performance of the Contract as necessary to comply with any special site restrictions and conditions imposed by the temporary use grantor on file with the private owner.

DD. WORK LIMITS AND SITE SECURITY

1. The designated work limits for the project are generally shown on the Contract Drawings. The General Contractor is responsible for site security.

EE. PHOTOGRAPHS

1. The Contractor shall take both preconstruction and post construction digital photographs, as directed by the Consultant, at mutually agreed upon locations so as to avoid disputes concerning restoration work. The Contractor must provide a copy of the photos on disc to the Consultant within ten days of taking photographs. Final Photographs are to be taken at the same location and in the same direction as preconstruction photos.

END OF CONDITIONS

MONROE COUNTY, NEW YORK

SPECIFICATIONS AND RELATED DOCUMENTS

FOR

**CULVER GOODMAN TUNNEL SYSTEM
DS-14, 15, and 16
OVERFLOW DROP STRUCTURE MODIFICATION**

MAY, 2012



Base Bid: DS-14 and 15
Alternate No. 1: DS-16

Prepared By:

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Rochester, NY 14614

MONROE COUNTY, NEW YORK
DEPARTMENT OF ENVIRONMENTAL SERVICES

ROCHESTER PURE WATERS DISTRICT
CULVER GOODMAN TUNNEL SYSTEM
DS-14, 15, and 16 OVERFLOW DROP STRUCTURE MODIFICATION
ROCHESTER, NY

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SECTION 01 10 00

SUMMARY OF WORK

PART 1 - GENERAL

1.01 PROJECT DESCRIPTION

- A. Drop Structure DS-14: Project includes removal and disposal of existing platform grating system, provide new grating and support system, removal of sluice gate actuator and support yoke and replacement with new materials, removal and disposal of existing bar screen and replacement with new bar screen. The above description is general only, and shall not be construed as a complete listing of every item of work required.
- B. Drop Structure DS-15: Project includes removal and disposal of existing platform grating system, removal of sluice gate actuator and support yoke, modification of existing gate stem to add a lifting hook, core hole in roof of Structure, construction of cast-in-place concrete access from roof of Structure to finish grade, and modification of gate to add slide pins for securing gate in open position. The above description is general only, and shall not be construed as a complete listing of every item of work required.
- C. Alternate No. 1 – Drop Structure DS-16: Project includes removal and disposal of existing platform grating system, removal and disposal of existing bar screen and replacement with new bar screen, removal of sluice gate actuator and support yoke, modification of existing gate stem to add a lifting hook, cutting a square opening through the roof of the Structure, construction of cast-in-place or precast concrete access from roof of Structure to finish grade, and modification of gate to add slide pins for securing gate in open position. The above description is general only, and shall not be construed as a complete listing of every item of work required.
 - 1. Alternate No. 1 is an optional item of work. The Owner will decide if the work of Alternate No. 1 will be performed based on the price bid for the item.

1.02 DEFINITIONS

- A. Furnish means to supply and deliver to the project site, ready for installation.
- B. Install means to place into position for service and use.
- C. Provide means to furnish and install, complete and ready for intended use.

1.03 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including Terms and Conditions and Supplementary Conditions apply to this Section.

1.04 SITE ACCESS / M&PT

- A. Structure DS-14 is located beneath the pavement of Webster Avenue, accessible through cast iron access cover. Cover is in the northbound driving lane and will require re-direction of traffic while the cover is open. Contractor is responsible for submitting a maintenance and protection of traffic (M&PT) plan to address traffic flow during work. No work that affects traffic flow may be performed until the M&PT plan is approved by the Owner.

- B. Structure DS-15 is located in lawn space within the right-of-way of South Goodman Street and Circle Street. Site access may require occupying the Street pavement for an extended period of time. Contractor is responsible for submitting a maintenance and protection of traffic (M&PT) plan to address traffic flow during work. No work that affects traffic flow may be performed until the M&PT plan is approved by the Owner.
- C. Alternate No. 1 – DS-16 is located in an asphalt paved parking area that is adjacent to the NYS Armory Building. Monroe County has a permanent easement surrounding, and allowing access to the Structure. Contractor is responsible for submitting a maintenance and protection of traffic (M&PT) plan to address traffic flow during work. No work that affects traffic flow may be performed until the M&PT plan is approved by the Owner.

1.05 UTILITIES

- A. Contractor is responsible for providing their own source of utility as required for the work.

PART 2 - PRODUCTS

(Not Used)

PART 3 - EXECUTION

(Not Used)

END OF SECTION

SECTION 05 50 00
METAL FABRICATIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. DS-14: Provide bar screen at upstream side of 72-inch wide x 78-inch tall sluice gate at the location shown on the plans.
- B. Alternate No. 1 – DS-16: Provide bar screen at upstream side of 90-inch wide x 90-inch tall sluice gate at the location shown on the plans. Bar screen work is part of Alternate No. 1 and may not be part of the work at the discretion of the Owner.

1.02 REFERENCE STANDARDS

- A. American Society for Testing and Materials
 - 1. ASTM A36 – Standard Specification for Carbon Structural Steel
 - 2. ASTM A123 – Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
 - 3. ASTM A780 – Specification for Repair of Damaged and Uncoated Areas of Hot-Dipped Galvanized Coatings

1.03 SUBMITTALS

- A. Submit product data for metals including metal coating and repair coating.

PART 2 - PRODUCTS

2.01 METAL: Metal for bar screen ASTM A36, hot-dipped galvanized.

2.02 REPAIR COATING: Zinc rich coating intended for use in repair of galvanized coatings damaged during handling or welding

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Assemble metal bar screen inside of Structure. Secure to wall or concrete bench with stainless steel anchors. Apply repair coating to areas of metal coating damaged during installation.

END OF SECTION

SECTION 06 50 00

STRUCTURAL PLASTICS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This section includes the following: FRP Products & Fabrications:
 - 1. FRP Structural Shapes and Plate
 - 2. FRP Standard Railings
 - 3. Molded Gratings and Treads
- B. Provide stainless steel fasteners and attachments to secure the framing.

1.03 SCOPE OF WORK:

- A. Provide all labor, materials, equipment and incidentals necessary to install the fiberglass reinforced polymer (FRP) products as specified herein.

1.04 QUALITY ASSURANCE:

- A. The material covered by these specifications shall be furnished by an ISO-9001:2000 certified manufacturer of proven ability who has regularly engaged in the manufacture and installation of FRP systems.
- B. Substitution of any component or modification of system shall be made only when approved by the Owner.
- C. Fabricator Qualifications: Firm experienced in successfully producing FRP fabrications similar to that indicated for this project, with sufficient production capacity to produce required units without causing delay in work.
- D. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work.

1.05 DESIGN CRITERIA:

- A. The design of FRP products including connections shall be in accordance with governing building codes and standards as applicable.
- B. Design live loads of FRP gratings and floor panels shall not be less than 60 pounds per sq. ft. uniformly distributed unless specifically stated otherwise in drawings and/or supplementary conditions. Grating and floor panel deflection at the center of the simple span not to exceed 0.25 inches.

- C. Structural members shall be designed to support all applied loads. Deflection in any direction shall not be more than $L/180$ of span for structural members. Connections shall be designed to transfer the loads.

1.06 SUBMITTALS:

- A. Submit shop drawings of all fabricated gratings and treads, structural shapes and plate, and standard railings for approval.
- B. Submit manufacturer's catalog data showing:
 - 1. Dimensions, spacing's, and construction of products
 - 2. Materials of construction
- C. Submit detail shop drawings showing:
 - 1. Dimensions
 - 2. Sectional assembly
 - 3. Connection details
 - 4. Location and identification mark
 - 5. Size and type of supporting frames required
- D. Submit samples of each type of product for approval prior to placement of purchase orders.

1.07 SHIPPING AND STORAGE INSTRUCTIONS:

- A. Shop fabricate and assemble systems, sub-systems and structures into the largest practical size suitable for transporting.
- B. All materials and equipment necessary for the fabrication and installation of the FRP shall be stored before, during, and after shipment in a manner to prevent cracking, twisting, bending, breaking, chipping or damage of any kind to the materials or equipment, including damage due to over exposure to the sun. Any material which, in the opinion of the Engineer, has become damaged as to be unfit for use shall be promptly removed from the site of work, and the Contractor shall receive no compensation for the damaged material or its removal.
- C. Identify and match-mark all materials, items and fabrications for installation and field assembly.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Materials used in the manufacture of the FRP products shall be raw materials in conformance with the specification.
- B. All materials shall be of the kind and quality specified.
- C. With the exception of molded gratings and treads, all FRP products noted in 1.02. A. shall be manufactured using a pultruded process utilizing isophthalic polyester resin with flame retardant and ultraviolet (UV) inhibitor additives. A synthetic surface veil shall be the outermost layer covering the exterior surface. The flame retardant FRP shapes shall achieve a flame spread of 25 or less in accordance with ASTM test method E-84.

- D. After fabrication, all cut ends, holes and abrasions of FRP shapes shall be sealed with a compatible resin coating.
- E. FRP products exposed to weather shall contain an ultraviolet inhibitor. Should additional ultraviolet protection be required, a one mil minimum U.V. coating can be applied.
- F. All exposed surfaces shall be smooth and true to form.
- G. Manufacturers:
 - 1. Strongwell
 - 2. Alternate manufacturers may be used meeting the same, or better, material properties as "Strongwell" for any given shape product.

2.02 STRUCTURAL SHAPES AND PLATES:

- A. Material
 - 1. Structural shapes and plate shall be made from isophthalic polyester resin with fire retardant additives to meet a flame rating of less than 25 per ASTM E-84 and meet the self-extinguishing requirements of ASTM D-635. All structural shapes shall contain a U.V. inhibitor.
- B. Process
 - 1. Manufactured by the pultrusion process.
 - 2. Structural FRP members composition shall consist of a glass fiber reinforced polyester or vinyl ester resin matrix, approximately 50% glass by weight. A synthetic surface veil shall be the outermost layer covering the exterior surfaces. Glass strand rovings shall be used internally for longitudinal strength. Continuous strand glass mats or stitched reinforcements shall be used internally for transverse strength.

2.03 STANDARD RAILINGS

- A. Design
 - 1. The FRP standard railing system shall be designed to meet the configuration and loading requirements of the current publication of ASCE-7 and the NYS Building Code 2010, and any required local codes, with a minimum factor of safety on loading of 2.0.
- B. Material
 - 1. The rails and posts shall be a minimum of 2"x2"x0.156" square tube manufactured by the pultrusion process. If pickets are required, they are to be a minimum of 1" square tube. The pultruded parts shall be made with a fire retardant resin that meets the ASTM E-84 test for flame spread of 25 or less. The resin matrix shall be polyester and shall contain a U.V. inhibitor. The parts must be coated with an industrial grade polyurethane coating for additional U.V. protection and wear resistance. The color shall be chosen from manufacturer's standard colors.
- C. Fabrication of Standard Railing System
 - 1. The fiberglass standard railing system shall be fabricated into finished sections by fabricating and joining together the pultruded square tube using molded or pultruded components; epoxy bonded and connected as shown in the fabrication details. Railing sections shall be fabricated to the size shown on the approved fabrication drawings and shall be piece marked with a water proof tag.

- D. For Side Mount
 - 1. Post shall be constructed with a square pultruded bottom plug. Length shall be sufficient to extend a minimum of 1" beyond the uppermost bolt hole to prevent brushing of post tubing. Bolt holes shall provide clearance of 1/16" for 1/2" diameter bolts/studs. On square tubes, holes shall be on longitudinal center line of post, 1" from bottom of post (minimum) and not less than 3" apart on center. Posts shall be fastened with stainless steel anchor bolts or studs, 1/2" diameter extending no less than 2-1/4" into the concrete, or into minimum thickness of 1/4" structural steel or pultruded fiberglass.
 - 2. Post locations shall be no greater than 18", nor less than 9" from horizontal or vertical change in handrail direction. For square tubes, post centers shall be no greater than 72" apart on any straight run or rail, or 48" apart on any inclined rail section.
- E. Other Attachment Methods
 - 1. Base mount, embedded and removable area also types of mounting procedures for railings pending design and approval by the Engineer.
- F. Installation of Handrail Sections
 - 1. The fabricated railing sections shall be supplied complete with fittings by the FRP manufacturer. The components used to join fabricated sections together may be shipped loose, to be epoxied and riveted, if required, together in the field by the contractor.
 - 2. The fabricated handrail sections shall be installed as shown on the approved shop drawings. The handrail shall be accurately located, erected plumb and level. The sections shall be fastened to the structure as shown on the approved shop drawings.

2.04 MOLDED GRATINGS AND TREADS:

- A. General
 - 1. Grating shall be DURAGRATE as supplied by Strongwell – Bristol Division, Bristol, VA.
- B. Design
 - 1. The grating shall be one piece constructed with the tops of the bearing bars and cross bars in the same plane.
 - 2. The mesh pattern and thickness shall be:
 - a. 1-1/2" square mesh, 1-1/2" thick
 - 3. The standard resin systems and colors are:
 - a. Industrial Grade – Fire retardant, Isophthalic resin base, green/yellow color
 - 4. Grating (exclusive of food grade) shall be fire retardant with a flame spread of 25 or less when tested in accordance with ASTM E-84.
 - 5. For slip resistance, the top of each bar shall:
 - a. Be manufactured with a concave profile.
- C. Products
 - 1. The FRP molded grating and treads shall be manufactured by the open mold process.
 - 2. Hold down clamps shall be:
 - a. Type J clips for attaching grating to supports for moderate loads.

2.05 FASTENERS:

- A. All FRP fasteners shall be those specifically furnished by the structural shape manufacturer.
- B. All stainless steel fasteners shall conform to type 304 stainless steel. Adhesive for embedded anchors shall be a two-part epoxy acrylate adhesive system, specifically made for anchor grouting.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions and directions for installation of anchorages, including concrete inserts, sleeves, anchor bolts and miscellaneous items having integral anchors that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to project site.

3.02 INSPECTION AND TESTING:

- A. The Engineer shall have the right to inspect and test all materials to be furnished under these specifications prior to their shipment from the point of manufacture.
- B. All labor, power, materials, equipment and appurtenances required for testing shall be provided by the Contractor at no cost to the Owner.

3.03 INSTALLATION, GENERAL:

- A. Fastening to in-place construction: Provide anchorage devices and fasteners where necessary for securing miscellaneous FRP fabrications to in-place construction; included threaded fasteners for concrete and masonry inserts, toggle bolts, through-bolts, lag bolts and other connectors as determined by the Engineer.
- B. Cutting, fitting and placement: Perform cutting, drilling and fitting required for installation of miscellaneous FRP fabrications. Set FRP fabrication accurately in location, alignment and elevation; with edges and surfaces level, plumb, true and free of rack; measured from established lines and levels.
- C. Provide temporary bracing or anchors in form work for items that are to be built into concrete masonry or similar construction.

3.04 ALL FRP INSTALLATION:

- A. All field cut and drilled edges, holes and abrasions shall be sealed with a catalyzed resin compatible with the original resin as recommended by the manufacturer. The sealing of the edges shall prevent premature fraying at the field cut edges.
- B. Install items specified as indicated and in accordance with manufacturer's instructions.

END OF SECTION

ROCHESTER PURE WATERS DISTRICT CULVER GOODMAN TUNNEL SYSTEM MODIFICATION OF OVERFLOW STRUCTURES

DS 14 - Webster Avenue and Garson Avenue } **Base Bid DS-14 & DS-15**
 DS 15 - North Goodman Street at Circle Street }
 DS 16 - East Main Street at NYS Armory - **Alt #1 Bid DS-16**

MONROE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
 CITYPLACE, 50 WEST MAIN STREET
 ROCHESTER, NY 14614

GENERAL:

1. THE ENGINEER MAKES NO WARRANTY AS TO THE LOCATION, SIZES AND ELEVATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH OF ALL UTILITIES AND STRUCTURES IN THE PATH OF OR CLOSELY PARALLEL TO OR UNDER NEW FACILITIES.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES. THE CONTRACTOR SHALL ALSO NOTIFY CONTROL STAKEOUT AT LEAST 48 HOURS IN ADVANCE OF COMMENCING ANY WORK. UFPO TELEPHONE (800) 962-7962. CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY MEASURES TO PROTECT EXISTING UTILITIES AS REQUIRED BY THE UTILITY COMPANY. COST FOR UTILITY PROTECTION SHALL BE INCLUDED IN THE LUMP SUM BID. ANY DAMAGE OR DISRUPTION OF UTILITY SERVICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACED AT THE CONTRACTOR'S COST.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING PAVEMENT, CURB, SIDEWALK, LAWN AREAS, TREES AND OTHER EXISTING FEATURES OUTSIDE OF THE LIMITS OF WORK CAUSED BY HIS OPERATION. ALL SUCH DAMAGE SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE.
4. THE CONTRACTOR SHALL PROVIDE SATISFACTORY VEHICULAR ACCESS TO ALL ADJOINING PROPERTIES, PRIVATE DRIVEWAYS, AND PUBLIC STREETS DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL POST PROPER WARNING SIGNS PRIOR TO CONSTRUCTION. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED OR BARRICADED TO SATISFACTION OF OWNER'S ON-SITE REPRESENTATIVE AT THE END OF EACH WORKING DAY.
6. PUBLIC AND PRIVATE ROADWAYS AND PARKING FACILITIES SHALL BE KEPT FREE OF FOREIGN MATERIALS. ALL AREAS SHALL BE SWEEPED CLEAN AT THE END OF EACH WORKING DAY OR AS DIRECTED BY THE OWNER'S ON-SITE REPRESENTATIVE.
7. SURPLUS EXCAVATED MATERIAL SHALL BE PROPERLY REMOVED FROM THE SITE. STOCKING ON PAVEMENTS (ROADS & PARKING FACILITIES) SHALL NOT BE PERMITTED.
8. STORAGE OF MATERIALS AND EQUIPMENT SHALL BE WITHIN A SPECIFIED AND SECURED AREA AS SPECIFIED BY THE OWNER.

ABBREVIATIONS:

- | | |
|------------|---------------------------------------|
| Dia | Diameter |
| L | Angle |
| LL | Live Load |
| M&PT | Maintenance and Protection of Traffic |
| OC | On Center |
| PL | Plate |
| RCP | Reinforced Concrete Pipe |
| SS or SSSL | Stainless Steel |
| TYP | Typical |
| UNO | Unless Otherwise Noted |



LOCATION MAP
 SCALE: 1" = 200'
 0' 200' 400' 600'

PREPARED BY:



DAY ENGINEERING, P.C.
 ENVIRONMENTAL ENGINEERING CONSULTANTS
 ROCHESTER, NEW YORK 14614-1008
 NEW YORK, NEW YORK 10165-1617



Herrick-Saylor Engineers, P.C.
 STRUCTURAL CONSULTING ENGINEERS

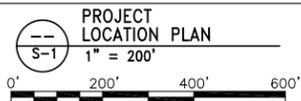
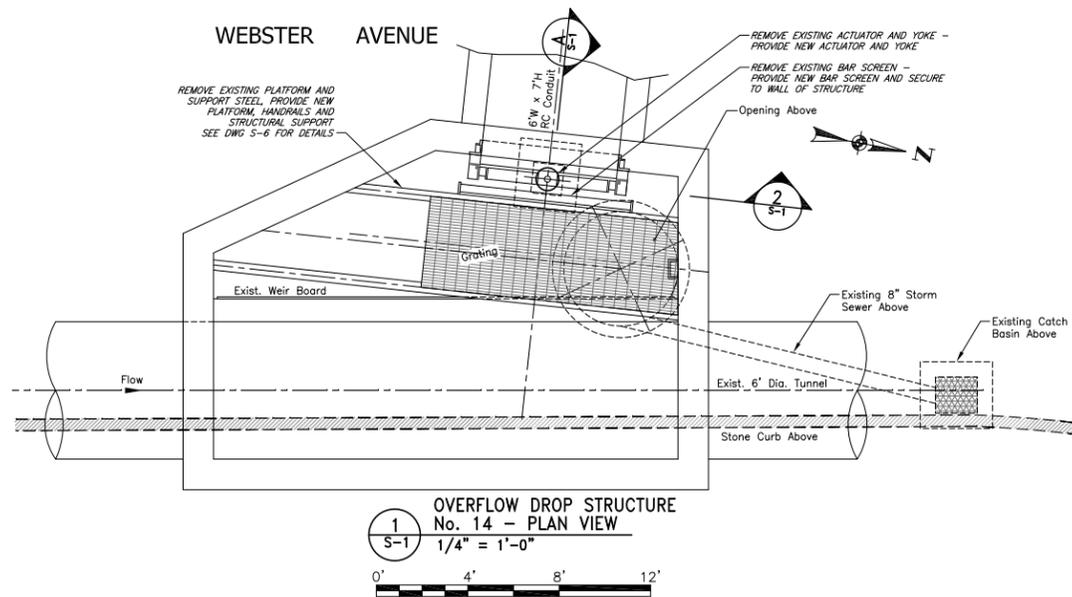
510 Kreag Road
 Pittsford, New York 14534
 (585) 586-1700 Fax (585)
 586-8020

INDEX OF DRAWINGS

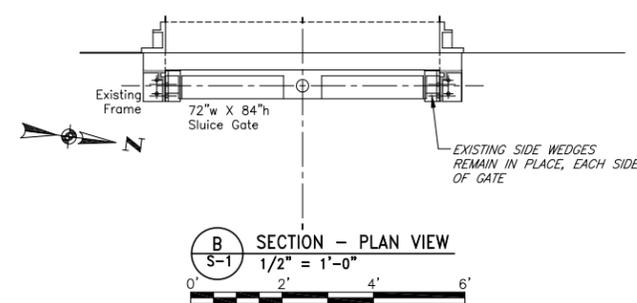
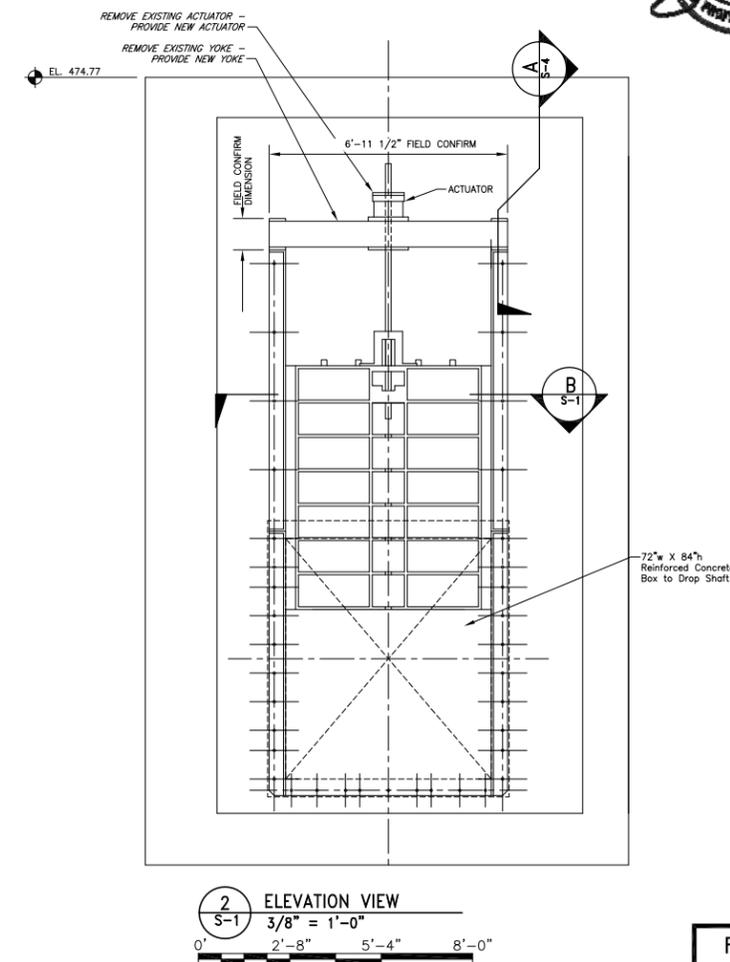
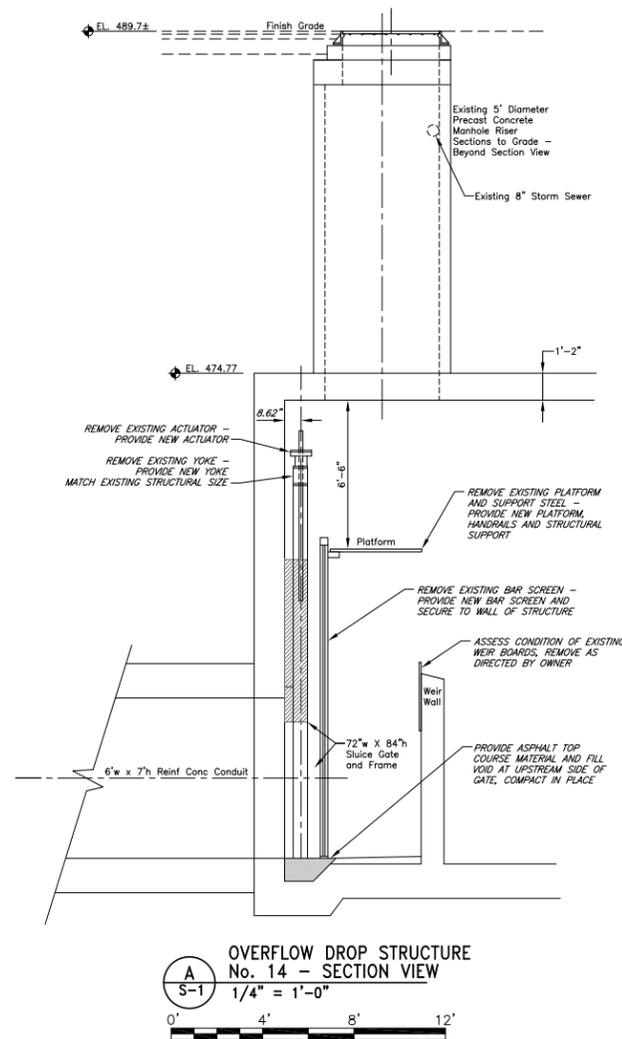
- | | | |
|-----|---|-----------------------|
| G-1 | COVER SHEET | |
| S-1 | DS 14 PLAN, SECTIONS, AND ELEVATION VIEWS | } Base Bid |
| S-2 | DS 15 PLAN, SECTIONS, AND ELEVATION VIEWS | |
| S-3 | DS 16 PLAN, SECTIONS, AND ELEVATION VIEWS | } - Alt #1 Bid |
| S-4 | GATE MODIFICATION DETAILS | |
| S-5 | BAR SCREEN DETAILS | |
| S-6 | DS 14 PLATFORM PLANS, SECTIONS, AND NOTES | |

FOR BID
 5-4-2012

PROJECT NO. **08-3191C**
 DRAWING NO. **G-1**



- NOTES:**
- The estimated weight of the existing gate assembly is 10,570 pounds.
 - The estimated weight of the existing gate is 8,362 pounds
 - Gate manufacturer: Rodney Hunt Company, Orange, Massachusetts, Order number 04033-2, dated 4-11-1980.
 - New actuator shall be manufactured by Rodney Hunt Company, designed to function with the existing threaded stem.
 - Drawing prepared from Record Plans entitled "Culver-Goodman Tunnel Contract No. C-36-715-02, Overflow Structure No. 14 Goodman Street at Garson Avenue" dated July 11, 1985; Shop drawings from Rodney Hunt Company dated April 1980; and from notes of field visits by representatives of Day Engineering, P.C. and Herrick-Saylor Engineers, P.C.
 - Elevations noted are from Record Plans, and were not field confirmed by DAY or Herrick-Saylor.
 - The sluice gate is normally in the open position, and controlled by the actuator and yoke. Removal of the actuator and yoke will create a condition where the gate would be closed. The Owner requires that the gate be open to a minimum of 75% of the 84-inch tall outlet sewer during period of the work. Gate may be closed with prior approval from the Owner, for periods of time that overflow to the outlet sewer will not occur. Contractor shall provide temporary support of the gate in the open position.



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 REF3: Pen Setting File: 800pafullcolor.ctb



DAY ENGINEERING, P.C.
 CONSULTANTS
 ROCHESTER, NEW YORK 14614-0308
 NEW YORK, NEW YORK 10016-0710

Herrick-Saylor Engineers, P.C.
 STRUCTURAL CONSULTING ENGINEERS
 510 Irving Road
 Rochester, NY 14610
 (585) 586-1700 Fax: (585) 586-8020

PROJECT TITLE:
**MONROE COUNTY DEPT. OF ENVIRONMENTAL SERVICES
 50 WEST MAIN STREET, CITYPLACE
 ROCHESTER, NY 14614**

DRAWING TITLE:
CULVER GOODMAN TUNNEL DS-14 MODIFICATIONS

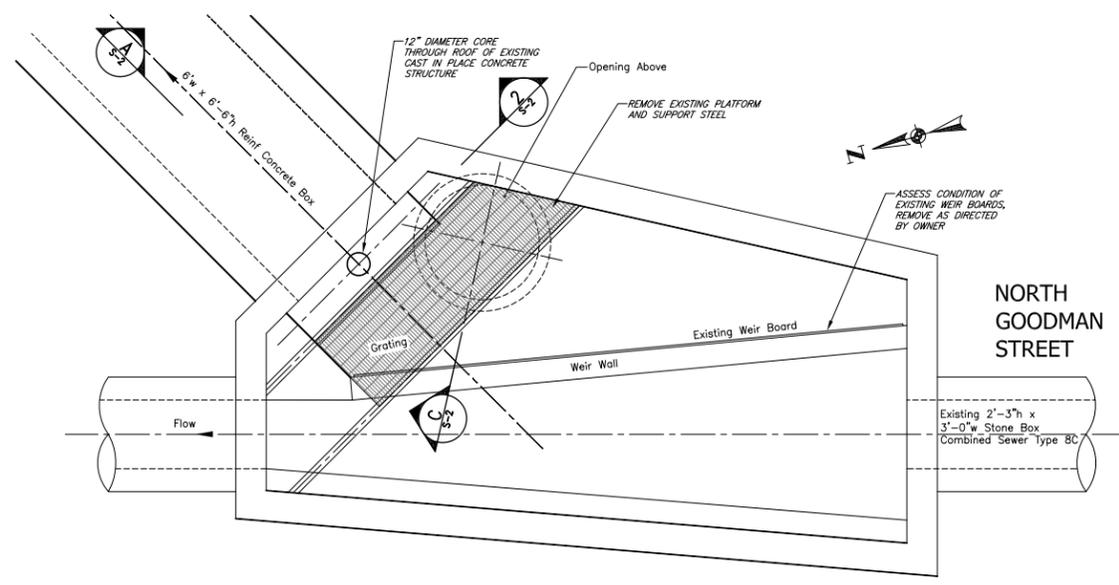
PLAN, SECTIONS, AND ELEVATION VIEWS

PROJECT NO.:
08-3191C

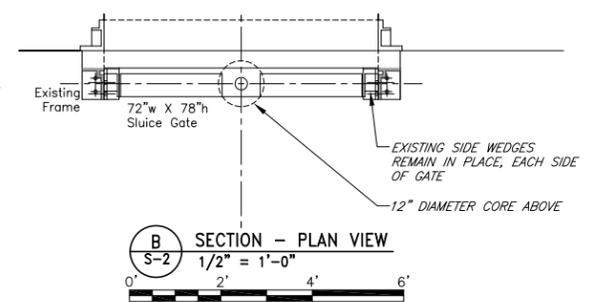
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SHEET 2 OF 7

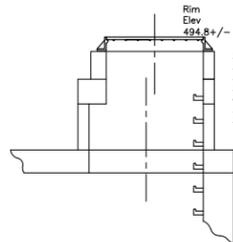
**FOR BID
 5-4-2012**



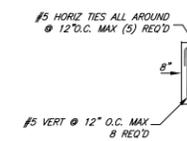
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S-2
OVERFLOW DROP STRUCTURE
No. 15 - PLAN VIEW
1/4" = 1'-0"



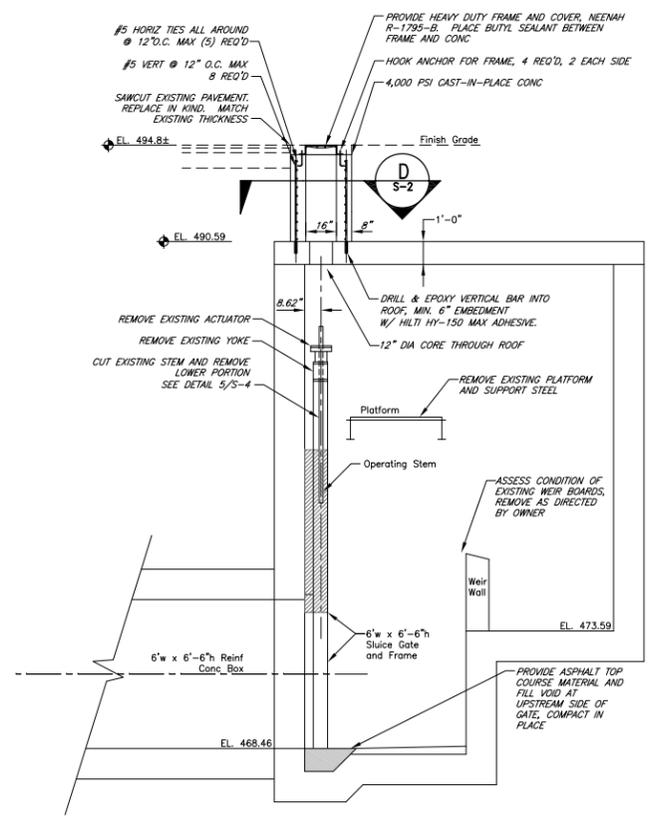
B
S-2
SECTION - PLAN VIEW
1/2" = 1'-0"



C
S-2
OVERFLOW DROP STRUCTURE
No. 15 - SECTION VIEW ENTRY
1/4" = 1'-0"



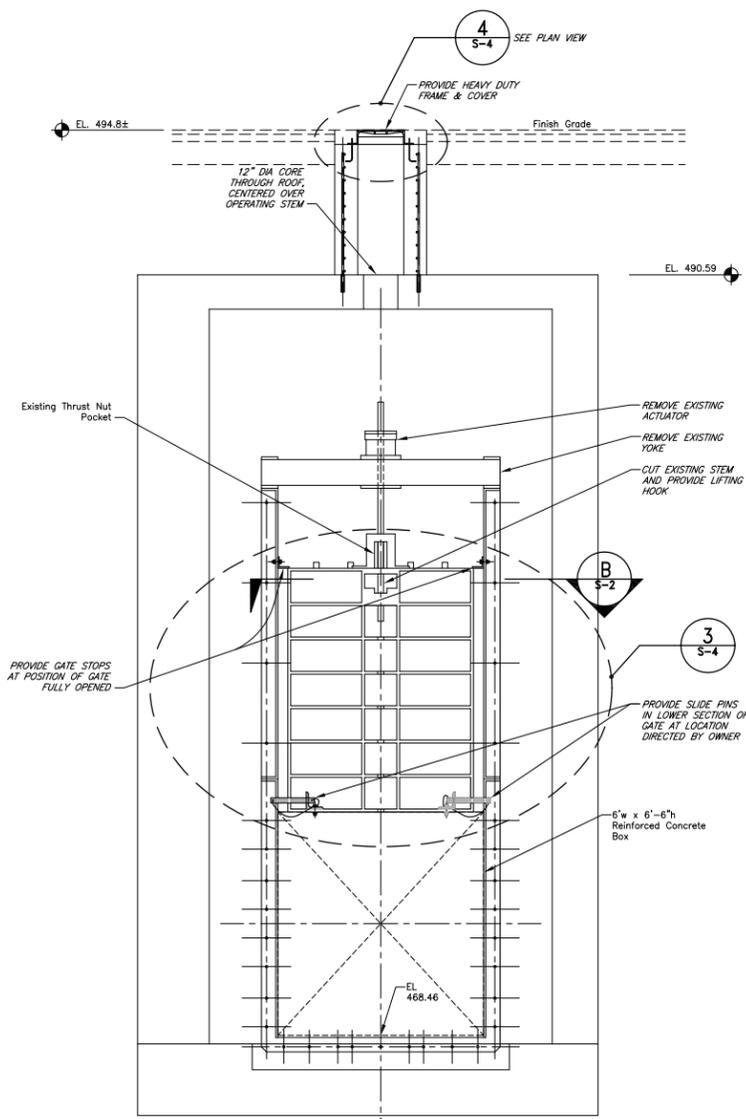
D
S-2
SECTION - PLAN VIEW
1/4" = 1'-0"



A
S-2
OVERFLOW DROP STRUCTURE
No. 15 - SECTION VIEW
1/4" = 1'-0"



S-2
PROJECT LOCATION PLAN
1" = 200'



2
S-2
ELEVATION VIEW
3/8" = 1'-0"

- NOTES:**
- The estimated weight of the existing gate assembly is 9,489 pounds.
 - The estimated weight of the existing gate is 7,496 pounds
 - Gate manufacturer: Rodney Hunt Company, Orange, Massachusetts, Order number 04033-2, dated 4-11-1980
 - Drawing prepared from Record Plans entitled "Culver-Goodman Tunnel Contract No. C-36-715-02, Overflow Structure No. 15 Goodman Street at Circle Street" dated July 11, 1985; Shop drawings from Rodney Hunt Company dated April 1980; and from notes of field visits by representatives of Day Engineering, P.C. and Herrick-Saylor Engineers, P.C.
 - Elevations noted are from Record Plans, and were not field confirmed by DAY or Herrick-Saylor.
 - The sluice gate is normally in the open position, and controlled by the actuator and yoke. Removal of the actuator and yoke will create a condition where the gate would be closed. The Owner requires that the gate be open to a minimum of 75% of the 6'-6" tall outlet sewer during period of the work. Gate may be closed with prior approval from the Owner, for periods of time that overflow to the outlet sewer will not occur. Contractor shall provide temporary support of the gate in the open position.



DAY ENGINEERING, P.C.
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510 Irving Road
Rochester, NY 14610
(585) 586-1700 Fax: (585) 586-8020

PROJECT TITLE
**MONROE COUNTY DEPT. OF ENVIRONMENTAL SERVICES
50 WEST MAIN STREET, CITYPLACE
ROCHESTER, NY 14614
CULVER GOODMAN TUNNEL DS-15 MODIFICATIONS**

DRAWING TITLE
PLAN, SECTIONS, AND ELEVATION VIEWS

PROJECT NO.
08-3191C

DRAWING NO.
S-2

SHEET 3 OF 7

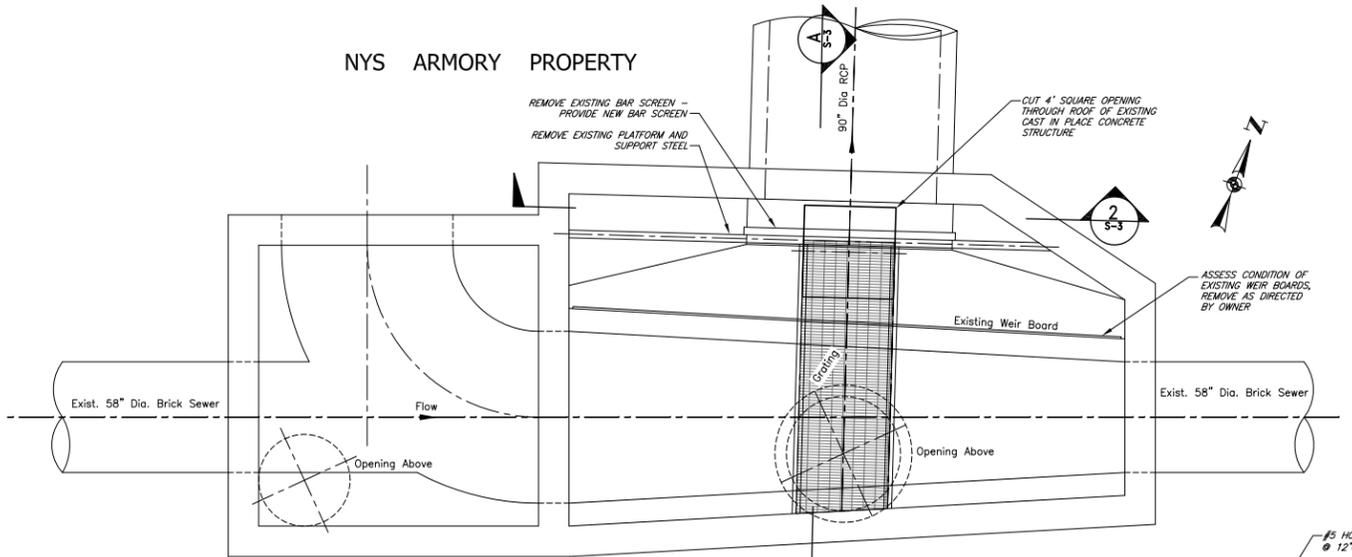
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5-4-2012**

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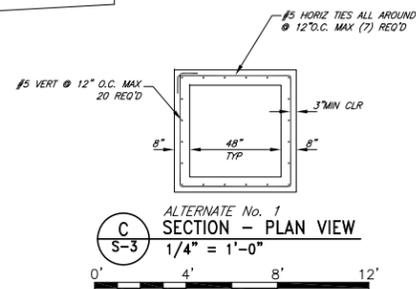
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DoyEng_Ansid

NYS ARMORY PROPERTY



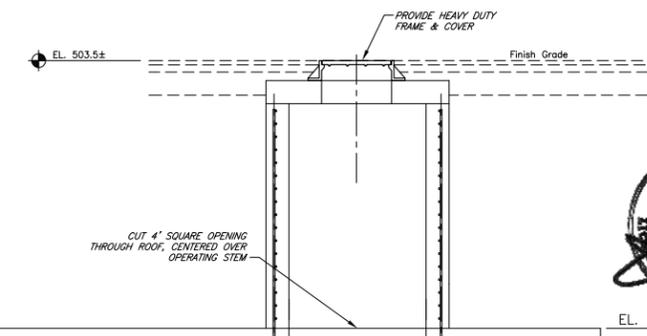
ALTERNATE No. 1
OVERFLOW DROP STRUCTURE
No. 16 - PLAN VIEW
1/4" = 1'-0"



ALTERNATE No. 1
SECTION - PLAN VIEW
1/4" = 1'-0"

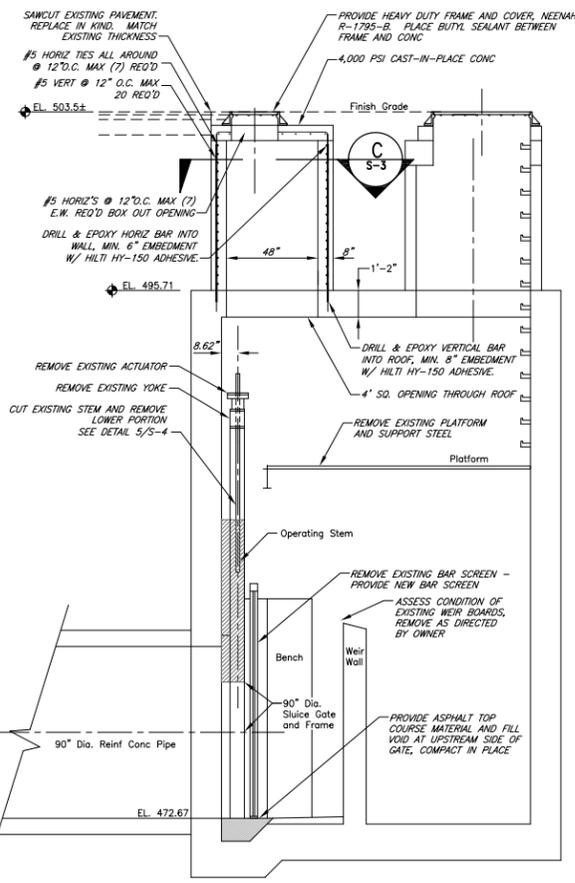


PROJECT LOCATION PLAN
ALTERNATE No. 1
1" = 200'

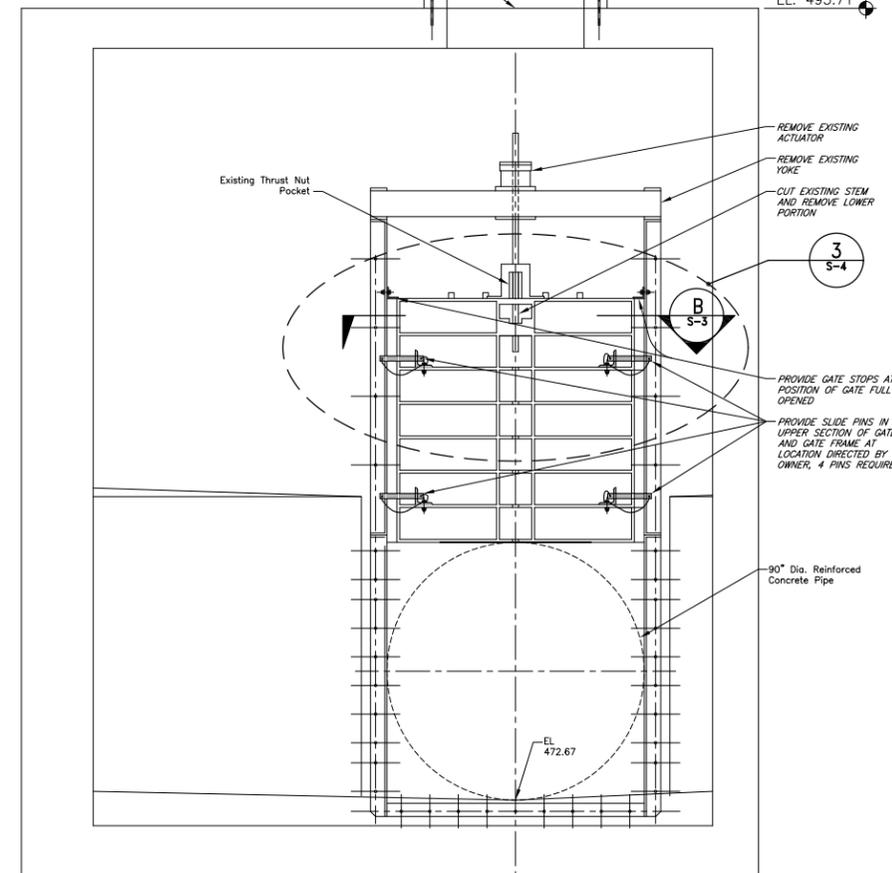
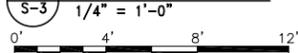


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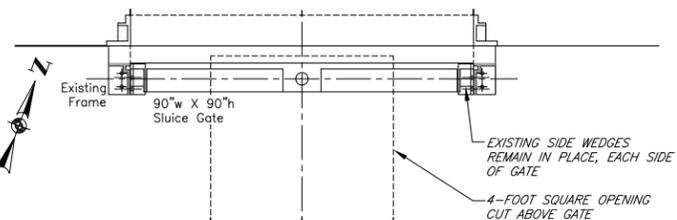
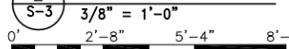
- The estimated weight of the existing gate assembly is 16,240 pounds.
- The estimated weight of the existing gate is 13,695 pounds.
- Gate manufacturer: Rodney Hunt Company, Orange, Massachusetts, Order number 04033-2, dated 4-8-1980
- Drawing prepared from Record Plans entitled "Culver-Goodman Tunnel Contract No. C-36-715-02, Overflow Structure No. 17 New York State Armory" dated July 11, 1985; Shop drawings from Rodney Hunt Company dated April 1980; and from notes of field visits by representatives of Day Engineering, P.C. and Herrick-Saylor Engineers, P.C.
- Elevations noted are from Record Plans, and were not field confirmed by DAY or Herrick-Saylor.
- The sluice gate is normally in the open position, and controlled by the actuator and yoke. Removal of the actuator and yoke will create a condition where the gate would be closed. The Owner requires that the gate be open to a minimum of 75% of the 90-inch diameter outlet sewer during period of the work. Gate may be closed with prior approval from the Owner, for periods of time that overflow to the outlet sewer will not occur. Contractor shall provide temporary support of the gate in the open position.



ALTERNATE No. 1
OVERFLOW DROP STRUCTURE
No. 16 - SECTION VIEW
1/4" = 1'-0"



ALTERNATE No. 1
ELEVATION VIEW
3/8" = 1'-0"



ALTERNATE No. 1
SECTION - PLAN VIEW
1/2" = 1'-0"



DATE	BY	REVISIONS
4-2012	JHTW	ISSUED FOR BIDDING
4-2012	RJMTW	REVISED
5-2012	JHTKH	REVISED
5-4-2012	JRS/TKH	REVISED
AS NOTED	AS NOTED	AS NOTED

DRAWING ALTERATION
THE QUALITY OF THE WORKMANSHIP OF THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ARCHITECT OR ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ALTERATIONS MADE TO THIS DRAWING OR FOR THE CONSTRUCTION OF THE WORK DESCRIBED HEREIN.

DATE	BY	REVISIONS
7		
6		
5		
4		
3		
2		
1		



DAY ENGINEERING, P.C. CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

Herrick-Saylor Engineers, P.C.
STRUCTURAL CONSULTING ENGINEERS
210 Irving Road
Rochester, NY 14610
(585) 586-1700 Fax: (585) 586-8020

PROJECT TITLE:
MONROE COUNTY DEPT. OF ENVIRONMENTAL SERVICES
50 WEST MAIN STREET, CITYPLACE
ROCHESTER, NY 14614
CULVER GOODMAN TUNNEL DS-16 MODIFICATIONS

DRAWING TITLE:
PLAN, SECTIONS, AND ELEVATION VIEWS

PROJECT NO.:
08-3191C

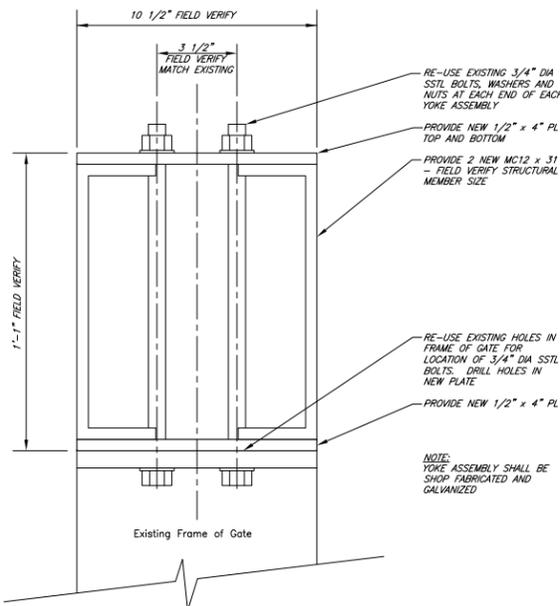
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SHEET 4 OF 7

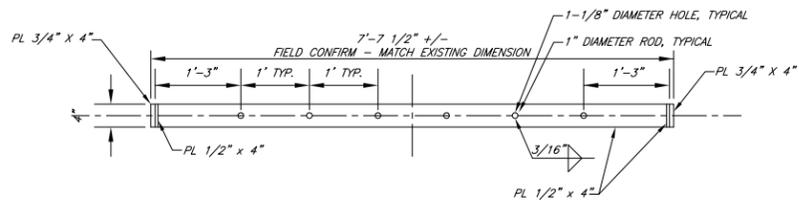
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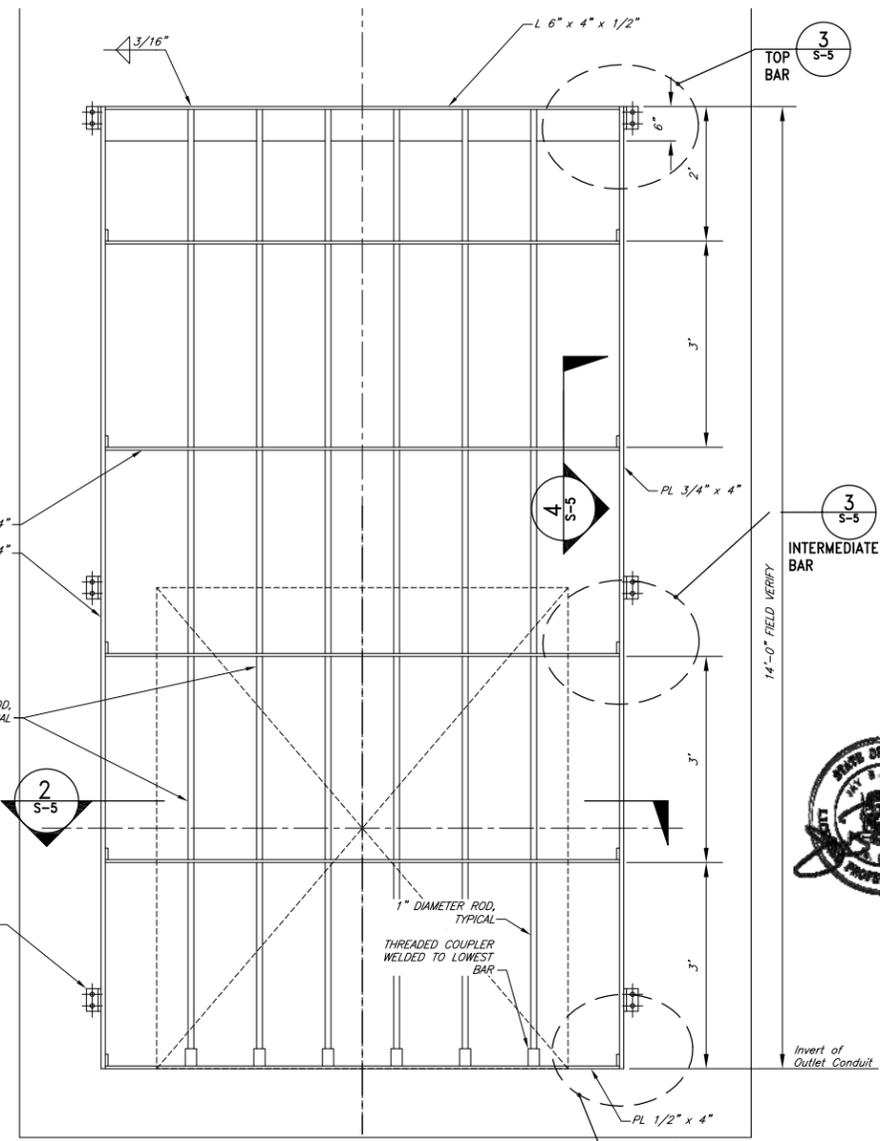
DS-14 GATE YOKE SECTION VIEW
 3" = 1'-0"
 0" 1" 2" 3"



BAR SCREEN DS-14 PLAN VIEW
 3/4" = 1'-0"
 0' 1'-4" 2'-8" 4'-0"



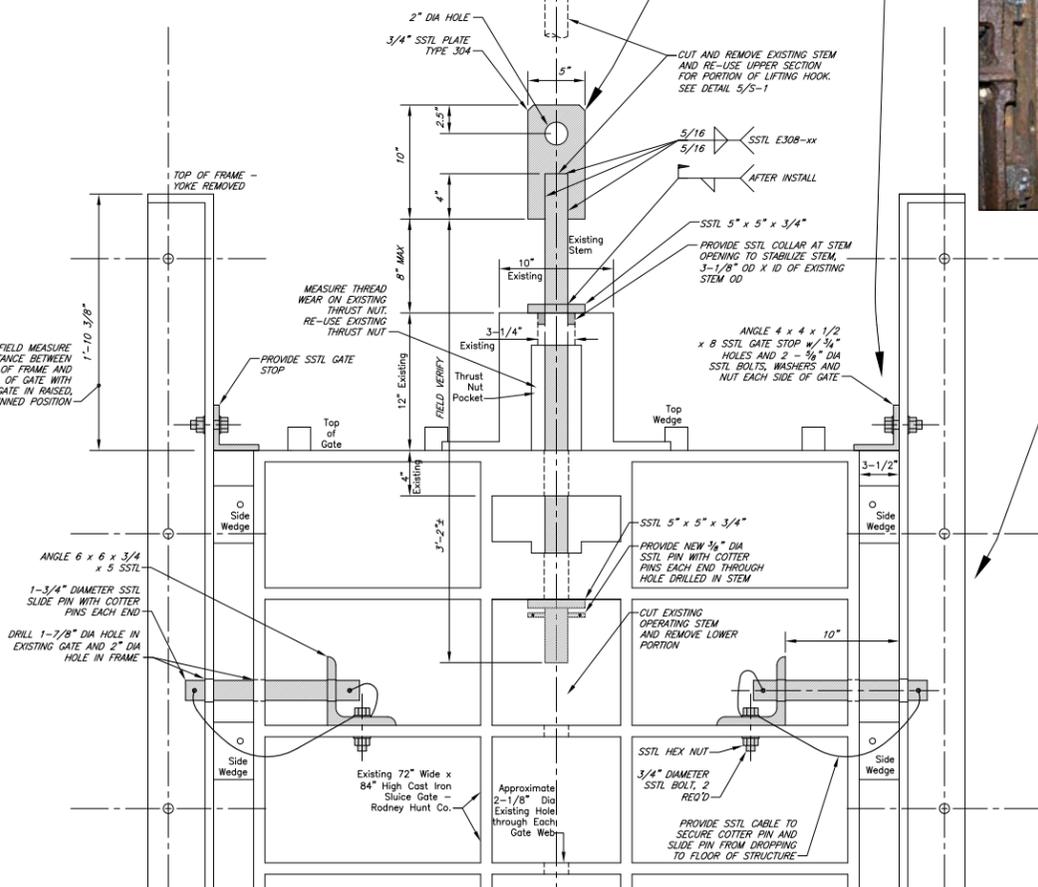
PROVIDE 4 x 4 x 1/2 WALL TIE ANCHORS FOR EACH SIDE OF BAR SCREEN, 6 LOCATIONS MINIMUM



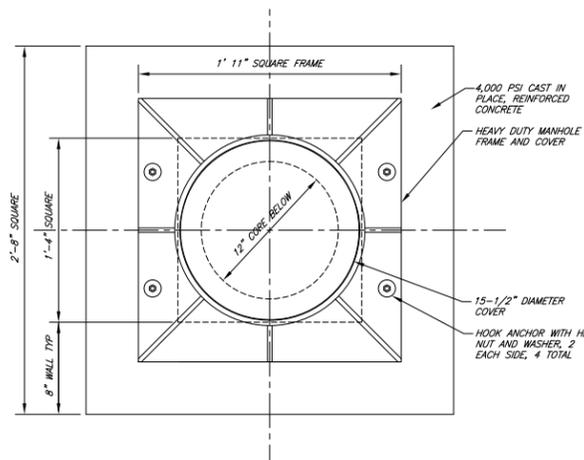
BAR SCREEN DS-14 ELEVATION VIEW
 3/4" = 1'-0"
 0' 1'-4" 2'-8" 4'-0"

BAR SCREEN NOTE:

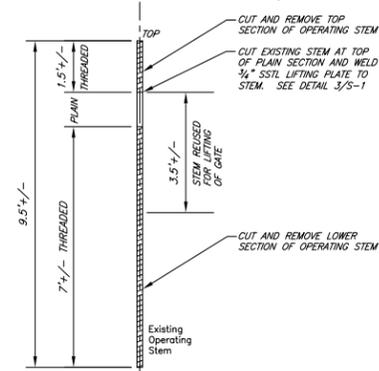
The new bar screen is too large to be prefabricated and installed as a finish unit. Suggested Assembly: Set base bar inside the Structure, then stack other horizontal bars on base bar. Install vertical bars, and then slide horizontal bars up into position and bolt into place. Secure bar screen to concrete.



DS-15 & DS-16 GATE MODIFICATION DETAIL ELEVATION VIEW
 1-1/2" = 1'-0"
 0' 8" 1'-4" 2'-0"



DS-15 FRAME & COVER PLAN VIEW
 1-1/2" = 1'-0"
 0' 8" 1'-4" 2'-0"



DS-15 & DS-16 OPERATING STEM ELEVATION VIEW
 3/8" = 1'-0"
 0' 2'-8" 5'-4" 8'-0"



DAY ENGINEERING, P.C.
 ENGINEERING CONSULTANTS
 ROCHESTER, NEW YORK 14610
 NEW YORK, NEW YORK 10016-0710
Hertick-Saylor Engineers, P.C.
 STRUCTURAL CONSULTING ENGINEERS
 510 Kings Road
 Westbury, New York 11591
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MONROE COUNTY DEPT. OF ENVIRONMENTAL SERVICES
 50 WEST MAIN STREET, CITYPLACE
 ROCHESTER, NY 14614
CULVER GOODMAN TUNNEL MODIFICATIONS

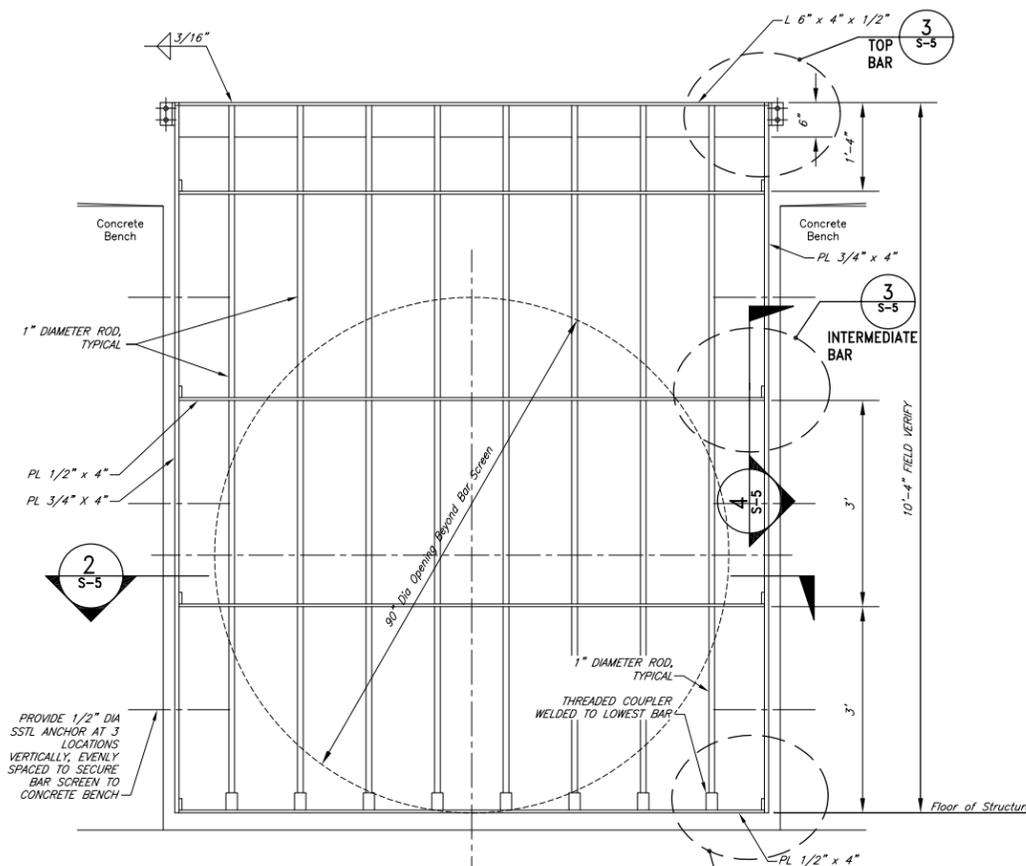
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 DRAWING NO. **S-4**
 SHEET 5 OF 7

FOR BID
5-4-2012

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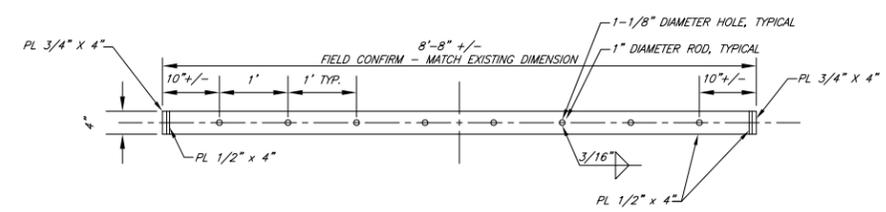
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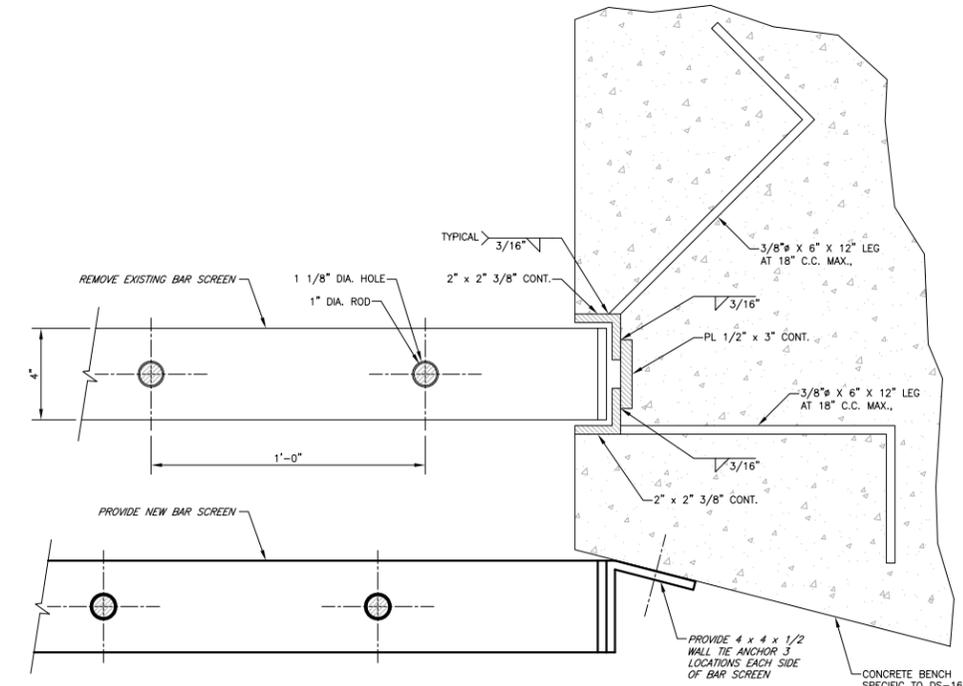


BAR SCREEN NOTE:
 The new bar screen is too large to be prefabricated and installed as a finish unit. Suggested Assembly: Set base bar inside the Structure, then stack other horizontal bars on base bar. Install vertical bars, and then slide horizontal bars up into position and bolt into place. Secure bar screen to concrete.

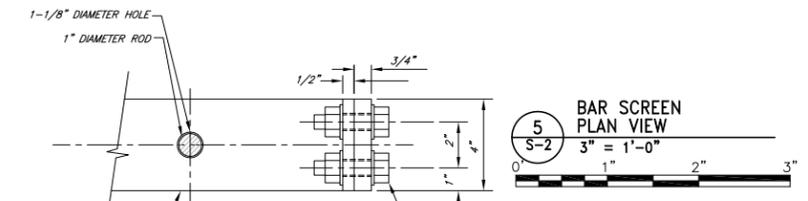
ALTERNATE No. 1
1
 S-5
BAR SCREEN DS-16
 ELEVATION VIEW
 3/4" = 1'-0"



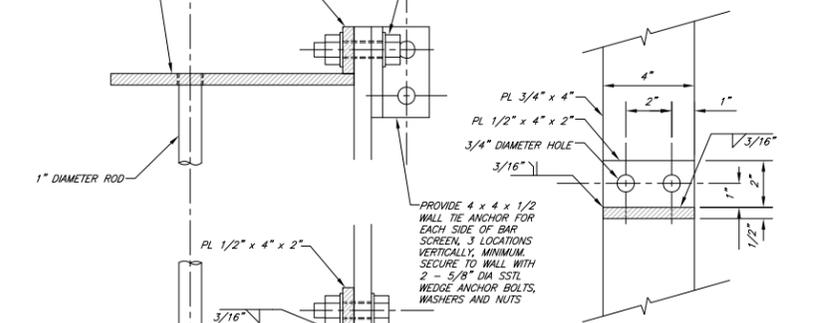
ALTERNATE No. 1
2
 S-5
BAR SCREEN DS-16
 PLAN VIEW
 3/4" = 1'-0"



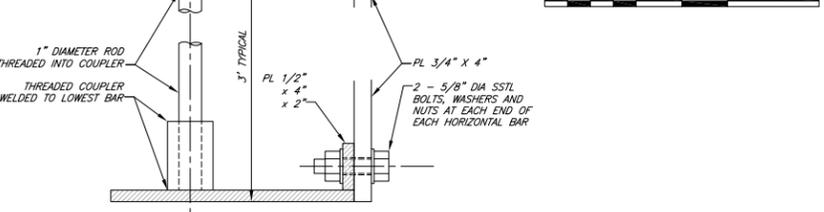
6
 S-5
PLAN VIEW
 ALTERNATE No. 1 - DS-16
BAR SCREEN
 CONNECTION DETAIL
 3" = 1'-0"



5
 S-2
BAR SCREEN
 PLAN VIEW
 3" = 1'-0"



4
 S-2
BAR SCREEN
 SECTION VIEW
 3" = 1'-0"



3
 S-5
BAR SCREEN
 ELEVATION VIEW
 3" = 1'-0"



day
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 ENVIRONMENTAL ENGINEERING CONSULTANTS
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PROJECT TITLE:
MONROE COUNTY DEPT. OF ENVIRONMENTAL SERVICES
50 WEST MAIN STREET, CITYPLACE
ROCHESTER, NY 14614
 CULVER GOODMAN TUNNEL MODIFICATIONS
 DRAWING TITLE:
BAR SCREEN DETAILS

PROJECT NO.
08-3191C
 DRAWING NO.
S-5
 SHEET 6 OF 7

FOR BID
5-4-2012

DRAWING ALTERNATE
 THE PROFESSIONAL ENGINEER HAS REVIEWED THIS DRAWING FOR THE PROFESSIONAL ENGINEERING CONSULTANTS AND HAS FOUND IT TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL ENGINEERING CONSULTANTS ACT AND THE RULES OF THE BOARD OF ENGINEERS.
 ANY EXCESSIVE TOLERANCES SHALL BE GOVERNED BY THE MANUFACTURER'S SPECIFICATIONS.
 THIS DRAWING IS THE PROPERTY OF DAY ENGINEERING, P.C. AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DAY ENGINEERING, P.C.

NO.	REVISIONS	DATE	BY
7			
6			
5			
4			
3			
2			
1			

DATE: 4-2012
 DRAWN BY: JH/TW
 CHECKED BY: RUM/TW
 DATE: 4-2012
 DATE: 5-3-2012
 DATE: 5-4-2012
 DATE: 5-4-2012
 AS NOTED

Retain For Your Records
DO NOT RETURN WITH YOUR BID

**General
Specifications
County
Of
Monroe**

DEPARTMENT OF FINANCE
Division of Purchasing and Central Services

Dawn C. Staub
Purchasing Manager

Monroe County Office Building
39 West Main Street, Room 200
Rochester, New York 14614
(585) 753-1100

FOREWORD

This booklet contains the General Specifications of the County of Monroe Division of Purchasing and Central Services and supersedes any previous issue. The terms and conditions set forth apply to all contracts awarded by the County of Monroe Division of Purchasing and Central Services.

DEFINITIONS

POLITICAL SUBDIVISIONS: All County departments, institutions, agencies, political subdivisions (town, city, village public school districts) and others authorized by law to make purchases through the County Purchasing Division.

BID: An offer to furnish a described commodity at a stated price in accordance with the proposal and specification.

BIDDER: Any person, firm or corporation submitting a proposal to the County.

COMMODITIES: Materials, supplies, equipment and non-professional services.

CONTRACTOR: Any bidder to whom a contract award is made by the Purchasing Manager or Legislature.

CONTROLLER: Controller of the County of Monroe.

COUNTY: County of Monroe.

GROUP: A classification of commodities.

LATE BID: A bid received in the office of the Purchasing Division, whether in person or by mail, after the time and date established in the bid specifications for the bid opening.

PURCHASING MANAGER: Manager of the Purchasing Division for the County of Monroe.

NOTICE OF CONTRACT AWARD: The notification to all participants that a contract has been made between the County and the successful bidder.

PROPOSAL: The form which, when issued by the Purchasing Division, constitutes an invitation to bid on the commodity described therein and which, when completed by the bidder, constitutes his/her bid to the County to furnish such commodity.

PURCHASE ORDER: The official form to be used by Monroe County when placing an order for material, equipment or supplies with a contractor or vendor.

SPECIFICATION: Description of a commodity and the conditions for its purchase.

PROPOSALS AND BIDS

1. The date and time of bid opening will be given on the proposal.
2. All bids are to be submitted on forms provided by the Purchasing Division.
3. All bids must be submitted in a sealed envelope clearly marked with bid number, title, opening date and time. Bids must not be attached to or enclosed in packages containing bid samples.
4. All information required by the proposal and specifications must be supplied by the bidder.
5. Each bid offered shall be construed in accordance with the specifications and proposal. The bidder must explain all deviations, exceptions and qualifications in detail in the bid.
6. Prices and information required by the proposal, except the signature of bidder, shall be typewritten or printed in ink for legibility. Bids written in pencil may be rejected. The Purchasing Manager may interpret or reject illegible or vague bids and the decision shall be final. All signatures must be in ink. Facsimile, printed or typewritten signatures are not acceptable and the bid may be rejected.
7. No alteration, erasure or addition of the specifications or the proposal shall be made.
8. In all specifications or proposals, the words "or equal" are understood to appear after each commodity giving manufacturer's name or catalog reference or on any patented commodity. If bidding on commodities other than those specified, bidder must in every instance give the trade designation of the commodity, manufacturer's name and detailed specification of commodity he/she proposes to furnish. Otherwise, bid will be construed as submitted on the identical commodity described in the specifications.
9. Used, damaged or obsolete items are not acceptable unless specifically requested and if offered or delivered, shall be rejected and the contract may be cancelled.
10. When bids are requested on a number of commodities as a group, a bidder desiring to bid "no charge" on a commodity in the grouping must so indicate. Otherwise, such bid will be considered as incomplete and may be rejected. Any bidder failing to bid on minimum number of items specified in the bid package may have his/her bid declared incomplete or unresponsive and the Purchasing Manager has the discretion to reject the bid.
11. The bidder must insert the price per unit specified and the price extension for each item in the bid if required. In the event of a discrepancy between the unit price and the extension, the unit price will govern. Prices must be extended in decimals, not fractions.
12. Prices must be net, including transportation and delivery charges fully prepaid by contractor to the destination(s) indicated in the proposal, subject only to the cash discount. If the award is to be on any other basis, transportation charges must be prepaid by the contractor and added to the invoice as a separate item.
13. Bidders are cautioned to verify their bids before submission, as bids and amendments to bids or requests for withdrawal of bids received by the Purchasing Manager after the time specified for the bid opening may not be considered.
14. All bids will be opened and tabulated publicly at the time and place set forth in the proposal.
15. A late bid will be rejected and cannot be considered in awarding a contract.

SAMPLES

16. The Purchasing Manager reserves the right to request a representative sample of the commodity at any time. The sample shall be furnished within the timeframe specified in the bid package.
17. If in the judgment of the Purchasing Manager, the sample is not in accordance with the requirements stated in the specifications and the proposal, the County may reject the bid; or if an award has been made, cancel the contract at the expense of the contractor.
18. When samples are required, failure to submit them in accordance with instructions may be sufficient cause for rejecting a bid or canceling an award.

19. When an accepted sample exceeds the minimum specifications, all commodities delivered will be of same quality and identity as the sample.
20. Samples must be submitted free of charge and be accompanied by the bidder's name and address, a statement indicating how and where the sample is to be returned to the bidder and descriptive literature regarding the commodity. Samples will be returned at the bidder's expense and risk.
21. All samples are subject to tests in the manner and place designated by the Purchasing Manager. Samples consumed or made useless by testing cannot be returned to the bidder and the County will not be responsible for any costs as a result of such testing.
22. Where the sample has not been impaired by testing and the bidder has failed to indicate the place and mode of return of the sample, it becomes the property of the County at the conclusion of the contract period.
23. Samples may be held by the County during the entire term of the contract for comparison with deliveries.
24. A Proposal may indicate that the commodity to be purchased must be equal to a sample on display in a designated place. Failure on the part of the bidder to examine such sample shall NOT entitle him to any relief from the conditions imposed in the proposal, specification and related documents. If feasible, standard samples will be submitted to the bidder for his/her examination prior to the bid opening date.
25. Cash discounts will no be considered as a basis for award in any contract.

AWARDS

26. The Purchasing Manager reserves the right before making an award, to investigate whether or not the items, qualifications or facilities offered by the bidder meet the requirements set forth in the proposal and specifications and is ample and sufficient to insure the proper performance of the contract, in the event of award. The bidder must be prepared, if requested by the Purchasing Manager, to present evidence of experience, ability and financial standing, as well as a statement as to plant, machinery and capacity of the manufacturer for the production and distribution of the commodity on which he/she is bidding. If in the opinion of the Purchasing Manager, it is found that the conditions of the proposal and specifications are not complied with or that items proposed to be furnished do not meet the requirements or specifications called for or that the qualifications, financial standing, facilities or capacities are not satisfactory, the Purchasing Manager may reject such a bid. The Purchasing Manager, in no way, is required or obligated to conduct such investigation prior to awarding the contract. It is further understood that if such investigations are made, it in no way relieves the contractor from fulfilling all requirements and conditions of the contract.
27. Contracts shall be awarded to the lowest responsive and responsible bidder. Responsibility is determined by taking into consideration the reliability of the bidder, the qualities of the articles proposed to be supplied and their conformity with the specifications, the purposes for which required and the terms of delivery and any historical performance record of the bidder that may be maintained by the County.
28. A bidder may be disqualified from receiving awards if such bidder or anyone in his/her employ, has previously failed to perform satisfactorily in connection with public bidding or contracts.
29. The Purchasing Manager reserves the right to evaluate and/or reject all bids in whole or in part and to waive technicalities, irregularities and omissions, if in her judgment; the best interests of the County will be served.
30. The Purchasing Manager reserves the right to make awards within forty-five (45) days after the date of the bid opening, during which period bids shall not be withdrawn.
31. If two or more bidders submit identical bids as to price, the decision of the Purchasing Manager to award a contract to one or more of such identical bidders shall be final.

CONTRACTS

32. All contracts awarded by the Purchasing Manager shall be executory only to the extent that funds are available to each Agency or Department for the purchase of the commodity.
33. All bids shall be received with the understanding that the acceptance thereof, in writing, by the Purchasing Manager or governing body, shall constitute a contract between the bidder and the County. The mailing of either a notice of contract award identified by number or of a purchase order to the address on the bid shall be sufficient notice of such acceptance.

34. Unless otherwise specified, the quantities listed in the proposal are subject to change to conform to Agency or Department requirements.
35. The County reserves the right to order up to 10% more or 10% less than the quantities called for in the contract. This paragraph shall not apply to estimated quantity contracts. Over runs and under runs shall not exceed 10%.
36. Unless terminated or cancelled by the Purchasing Manager pursuant to the authority vested in her, contracts will remain in force for the period specified.
37. All purchase orders must be in writing and must bear the appropriate contract number and the approval of the Purchasing Manager.
38. No commodities are to be shipped or delivered until after receipt of an official purchase order from the County, unless otherwise authorized in writing by the Purchasing Manager.
39. The contractor shall not assign, transfer, convey, sublet or otherwise dispose of the contract or his/her right, title or interest therein or his/her power to execute such contract to any other person, company or corporation without the prior consent, in writing, of the Purchasing Manager. (Approval by the Purchasing Manager is not required for the assignment of monies due for contract deliveries. Such assignments should be filed directly with the Purchasing Manager.)
40. No alteration or variation of the terms of the contract shall be valid or binding upon the County unless requested in writing and approved in writing by the Purchasing Manager.
41. Contractor shall employ no one in relation to the work contemplated by the contract who shall be permitted or required to work more than eight (8) hours in any one calendar day or more than five (5) days in any one week except in cases of extraordinary emergency caused by war, acts of public enemies, strikes, fire, flood or danger to life or property and the wages to be paid to employees for a legal day's work shall not be less than the prevailing New York State wage rates for a day's work in the same trade or occupation in the locality where the contract work is executed.
42. Pursuant to the provision of Section 220-A of the New York State Labor Law, as amended, the Contractor (and his/her Sub-Contractors) will be obligated to pay all workers in the covered classes the applicable prevailing wage rates and supplements. The minimum hourly wage rate to be paid the various classes of labor performing work under this contract shall be in accordance with schedules which have been established or may hereafter be established or increased, by the New York State Department of Labor during the contract term.

DELIVERY

43. Delivery must be made as ordered and in accordance with the terms of the contract. Unless otherwise specified, delivery shall be made within thirty (30) days of receipt of purchase orders by the contractor. The decision of the Purchasing Manager as to reasonable compliance with delivery terms shall be final. Burden of proof of delay in receipt of purchase order shall rest with contractor.
44. Any extension of time of delivery must be requested in writing by the contractor and approved in writing by the Purchasing Manager.
45. The Departments will not schedule any deliveries for Saturdays, Sundays or legal holidays, except commodities required for daily consumption or where the delivery is an emergency, a replacement or is overdue, in which events the convenience of the County will govern.
46. Commodities shall be securely and properly packed for shipment, storage and stocking in new shipping containers and according to accepted commercial practice, without extra charge for packing cases, baling or sacks. The container shall remain the property of the County unless otherwise specifically agreed to in the contract.
47. Point of Destination: All deliveries shall be unloaded at the storeroom door of the ordering Agency or department unless otherwise stated in the proposal or specification.
48. Commodities purchased at a price, f.o.b. shipping point plus transportation charge, are understood to be purchased on an f.o.b. point of destination basis. Title shall not pass until commodities have been received and accepted by the Agency or Department.

49. When commodities are rejected with notice of such rejection having been provided to the bidder, they must be removed by the contractor from the premises of the Department or Agency within five (5) days from notification. Rejected items left longer than five (5) days will be regarded as abandoned and the County shall have the right to dispose of them as its own property.

DEPOSITS

50. Unless otherwise expressly indicated, specification deposits are returned only to those prospective contractors who actually submit proposals to the County of Monroe and have returned their specifications unmarked and in good condition within 30 days of the bid award.
51. Unless otherwise expressly indicated, bid deposits are considered an earnest of good faith and are retained by the County only until a contract has been awarded; at which time they are returned to all bidders who submitted proposals. Failure, on the part of a contractor, to execute a contract, may result in forfeiture of his/her bid deposit.

PAYMENTS

52. Payments will be made by the Controller after presentation of a completed voucher to the ordering Department or Agency.
53. In any case where a question of non-performance of a contract arises, payment may be withheld in whole or in part at the discretion of the Purchasing Manager. Should the amount withheld be finally paid, a cash discount originally offered may be taken by the County as if no delay in payment had occurred.
54. Any claim against a contractor may be deducted by the County from any money due him in the same or other transactions. If no deduction is made in such fashion the contractor shall pay the County the amount of such claim on demand. Submission of a voucher and payment thereof by the County shall not preclude the Purchasing Manager from demanding a price adjustment in any case where the commodity delivered is later found to deviate from the specification and proposal. Any delivery made which does not meet the requirements of the specifications and proposal may be rejected or accepted on an adjusted price basis as determined by the Purchasing Manager.
55. Tax Provisions: Purchases made by the County of Monroe are not subject to State or Local sales taxes or Federal Excise taxes. To satisfy the requirements of the New York State Sales Tax, either the purchase order issued by an agency or institution of New York State for supplies or equipment or the voucher forwarded to authorize payment for such supplies and equipment will be sufficient evidence that the sale by a contractor or vendor was made to the County of Monroe, an exempt organization under section 1116 (a) (I) of the Tax Law. Exemption certificates for Federal Excise taxes will be furnished upon request by the Purchasing Division. No person, firm or corporation is, however, exempt from paying the New York State Truck Mileage and Unemployment Insurance or the Federal Social Security Taxes. This exemption does not apply to materials not incorporated into the work of a Public Works Contract.

GUARANTEES BY CONTRACTOR

56. Contractor hereby guarantees:
- (a) To save the County, its agents and employees, harmless from any liability imposed upon the County arising from the negligence, either active or passive, of the contractor, as well as for the use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, article or appliance furnished or used in the performance of the contract of which the contractor is not the patentee, assignee or licensee.
 - (b) To pay for all permits, New York licenses and fees and gives all notices and complies with all laws, ordinances, rules and regulations.
 - (c) That the equipment offered is standard new equipment, latest model of regular stock product with all parts regularly used with the type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations and standard practice. Every unit delivered must be guaranteed against faulty material and workmanship for a period of one year unless otherwise specified.
57. Waiver of Immunity Clause:

103-a. Ground for cancellation of contract by municipal corporations and fire districts.

A clause shall be inserted in all specifications or contracts made or awarded by a municipal corporation or any public department, agency or official thereof on or after the first day of July, nineteen hundred fifty-nine or by a fire district or any agency or official thereof on or after the first day of September, nineteen hundred sixty, for work or services performed or to be performed or goods sold or to be sold, to provide that upon the refusal of a person, when called before a grand jury, head of a state department, temporary state commission or other state agency, the organized crime task force in the department of law, head of a city department or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath, to testify in an investigation concerning any transaction or contract had with the state, any political subdivision thereof, a public authority or with any public department, agency or official of the state or of any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning such transaction or contract.

- (a) such person and any firm, partnership or corporation of which he is a member, partner, Purchasing Manager or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with municipal corporation or fire district or any public department, agency or official thereof, for goods, work or services, for a period of five years after such refusal and to provide also that
- (b) any and all contracts made with any municipal corporation or any public department, agency or official thereof on or after the first day of July, nineteen hundred fifty-nine or with any fire district or any agency or official thereof on or after the first day of September, nineteen hundred sixty, by such person and by any firm, partnership or corporation of which he is a member, partner, Purchasing Manager or officer may be cancelled or terminated by the municipal corporation or fire district without incurring any penalty or damages on account of such cancellation or termination but any monies owing by the municipal corporation or fire district for goods delivered or work done prior to the cancellation or termination shall be paid.

The provisions of this section as in force and effect prior to the first day of September, nineteen hundred sixty, shall apply to specifications or contracts made or awarded by a municipal corporation on or after the first day of July, nineteen hundred fifty-nine but prior to the first day of September, nineteen hundred sixty.

103-b. Disqualification to contract with municipal corporations and fire districts.

Any person who, when called before a grand jury, head of a state department, temporary state commission or other state agency, the organized crime task force in the department of law, head of a city department or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath, to testify in an investigation concerning any transaction or contract had with the state, any political subdivision thereof, a public authority or with a public department, agency or official of the state or of any political subdivision thereof or of a public authority, refuses to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning such transaction or contract and any firm, partnership or corporation of which he is a member, partner, Purchasing Manager or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any municipal corporation or fire district or with any public department, agency or official thereof, for goods, work or services, for a period of five years after such refusal or until a disqualification shall be removed pursuant to the provisions of section one hundred three-c of this article.

It shall be the duty of the officer conducting the investigation before the grand jury, the head of a state department, the chairman of the temporary state commission or other state agency, the organized crime task force in the department of law, the head of a city department or other city agency before which the person so refusing is known to be a member, partner, officer or Purchasing Manager, to the commissioner of transportation of the state of New York and the appropriate departments, agencies and officials of the state, political subdivisions thereof or public authorities with whom the person so refusing and any firm, partnership or corporation of which he is a member, partner, Purchasing Manager or officer, is known to have a contract. However, when such refusal occurs before a body other than a grand jury, notice of refusal shall not be sent for a period of ten days after such refusal occurs. Prior to the expiration of this ten day period, any person, firm, partnership or corporation which has become liable to the cancellation or termination of a contract or disqualification to contract on account of such refusal may commence a special proceeding at a special term of the supreme court, held within the judicial district in which the refusal occurred, for an order determining whether the

questions in response to which the refusal occurred were relevant and material to the inquiry. Upon the commencement of such proceeding, the sending of such notice of refusal to answer shall be subject to order of the court in which the proceeding was brought in a manner and on such terms as the court may deem just. If a proceeding is not brought within ten days, notice of refusal shall thereupon be sent as provided herein.

103-d. Statement of non-collusion in bids and proposals to political subdivision of the state.

(FN1) Every bid or proposal hereafter made to a political subdivision of the state or any public department, agency or official thereof where competitive bidding is required by statute, rule, regulation or local law, for work or services performed or to be performed or goods sold or to be sold, shall contain the following statement subscribed by the bidder and affirmed by such bidder as true under the penalties of perjury: Non-collusive bidding certification.

(a) "By submission of this bid, each bidder and each person signing on behalf of any bidder certifies and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

(1) The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in his/her bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor and;

(3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(b) A bid shall not be considered for award nor shall any award be made where (a) (1) (2) and (3) above have not been complied with; provided however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where (a) (1) (2) and (3) above have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the bid is made or his/her designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items or;

(c) Has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of subparagraph one (a).

Any bid hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation or local law and where such bid contains the certification referred to in subdivision one of this section, shall be deemed to have been authorized by the board of Purchasing Managers of the bidder and such authorization shall be deemed to include the signing and submission of the bid and the inclusion therein of the certificate as to non-collusion as the act and deed of the corporation.

58. Anti-discrimination Clause: During the performance of this contract, the contractor agrees as follows:

(a) The contractor will not discriminate against any employee because of race, creed, color, sex or national origin and will take affirmative action to insure that they are afforded equal employment opportunities without discrimination because of race, creed, color, sex or national origin. Such action shall be taken with reference but not be limited to: recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff or termination, rates of pay or other forms of compensation and selection for training or retraining, including apprenticeship and on-the job training.

(b) The contractor will send to each labor union or representative of workers with which he has or is bound by a collective bargaining or other agreement or understanding, a notice, to be provided by the New

York State Division for Human Rights, advising such labor union or representative of the contractor's agreement under clauses (a) through (g) hereinafter called "non-discrimination clauses"). If the contractor was directed to do so by the contracting agency as part of the bid or negotiation of this contract, the contractor shall request such labor union or representative to furnish him with a written statement that such labor union or representative will not discriminate because of race, creed, color, sex or national origin and that such labor union or representative either will affirmatively cooperate, within the limits of its legal and contractual authority, in the implementation of the policy and provisions of these non-discrimination clauses or that it consents and agrees that recruitment, employment and the terms and conditions of employment under this contract shall be in accordance with the purposes and provisions of these non-discrimination clauses. If such labor union or representative fails or refuses to comply with such a request that it furnish such a statement, the contractor shall promptly notify the New York State Division of Human Rights of such failure or refusal.

- (c) The contractor will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the New York State Division of Human Rights setting forth the substance of the provisions of clauses (a) and (b) and such provisions of the State's laws against discrimination as the New York State Division of Human Rights shall determine.
- (d) The contractor will state, in all solicitations or advertisements for employees placed by or on behalf of the contractor, that all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, sex or national origin.
- (e) The contractor will comply with the provisions of the Human Rights Law of the State of New York as set forth in section 290-301 of the Executive Law of New York, will furnish all information and reports deemed necessary by the State Division for Human Rights under these non-discrimination clauses and such sections of the Executive Law and will permit access to his/her books, records and accounts by the State Division for Human Rights, the Attorney General and the Industrial Commissioner for purposes of investigation to ascertain compliance with these non-discrimination clauses and such sections of the Executive Law and applicable Federal Civil Rights Laws.
- (f) This contract may be forthwith cancelled, terminated or suspended, in whole or in part by the contracting agency upon the basis of a finding made by the New York State Division for Human Rights that the contractor has not complied with these non-discrimination clauses and the contractor may be declared ineligible for future contracts made by or on behalf of the State or a public authority or agency of the State, until he/she satisfies the New York State Division for Human Rights that he/she has established and is carrying out a program in conformity with the provisions of these non-discrimination clauses. Such finding shall be made by the New York State Division for Human Rights after conciliation efforts by the Commission have failed to achieve compliance with these non-discrimination clauses and after a verified complaint has been filed with the Division, notice thereof has been given to the contractor and an opportunity has been afforded him/her to be heard publicly before three members of the Division. Such sanctions may be imposed and remedies invoked independently of or in addition to sanctions and remedies otherwise provided by law.
- (g) The contractor will include the provisions of clauses (a) through (f) in every subcontract or purchase order in such a manner that such provisions will be binding upon each subcontractor or vendor as to operations to be performed within the State of New York. The contractor will take such action in enforcing such provisions of such subcontract or purchase order as the contracting agency may direct; including sanctions or remedies for non-compliance. If the contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor shall promptly so notify the Attorney General, requesting him to intervene and protect the interests of the State of New York.

59. Workmen's Compensation: Contractor will secure workman's compensation and keep insured during the life of the contract for the benefit of such employees as are required to be insured by the provisions of Chapter 41 of the laws of 1914, as amended, known as the Workmen's Compensation Law and also provisions of Article 9 of the Workmen's Compensation Law known as the Disability Benefits Law. The contract shall be void and of no effect unless the contractor complies with these provisions.

CANCELLATION OF CONTRACT

60. Upon failure of the contractor to deliver within the time specified or failure to make prompt replacement of rejected commodities when so requested, the Purchasing Manager may purchase from other sources to replace the commodity rejected or not delivered. On all such purchases, the contractor agrees to reimburse the County promptly for costs associated with purchasing from other sources. Should the cost be less than the contract price, the contractor shall have no claim to the difference. Such purchases may be deducted from contract quantity by the Purchasing Manager.
61. A contract may be cancelled at the contractor's expense upon nonperformance of contract.

DRAWINGS

62. Rough and/or shop drawings shall be furnished as deemed necessary and required by the specification. Such drawings shall be consistent with the contract documents and shall be considered as forming part of the specification and the contract to which they relate.
63. All lettering on the drawings shall be considered a part of the drawings.
64. Approval by the Purchasing Manager of shop drawings of details for any commodity will not relieve the contractor from responsibility for furnishing same of proper dimension, size, quantity and quality to efficiently perform the work and carry out the requirements and intent of the layout or descriptive drawings forming part of the proposal and specifications. Such approval shall not relieve the contractor from responsibility for errors of any sort in the shop drawings. If the shop drawings deviate or are intended to deviate from the layout or descriptive drawings on specifications, the contractor shall so advise the Purchasing Manager in writing at the time the shop drawings are submitted, stating the difference in value between the contract requirements and that denoted by said shop drawings.
65. Rough and/or shop drawings will be examined by the Purchasing Manager and if necessary, will be returned to the contractor for correction. After the corrections have been made, the contractor shall resubmit to the Purchasing Manager as many copies as required for final approval.
66. All drawings and copies thereof shall become the property of the County.

CONTRACTS INVOLVING INSTALLATION

67. Contractor shall clean up and remove all debris and rubbish resulting from his/her work from time to time as required or directed. Upon completion of the work the premises shall be left in a neat unobstructed condition, the buildings broom clean and everything in satisfactory repair and order.
68. Equipment, supplies and materials shall be stored at the site only upon the approval of the using Agency and at the contractor's risk. In general, such on-site storage should be avoided to prevent possible damage or loss of the material.
69. Work shall be performed so as to cause the least inconvenience to the County and with proper consideration for the rights of other contractors or workmen. The contractor shall keep in touch with the entire operation and install his/her equipment promptly.
70. Installation shall also include the furnishings of any rigging necessary to move equipment into the buildings; also the removal and resetting of any removable windows used for moving equipment into building.
71. Bidders shall acquaint themselves with conditions to be found at the site and shall assume all responsibility for placing and installing the equipment in the locations required.
72. All materials used in installation shall be of the highest quality and shall be free from all defects which would mar the appearance of the equipment or render it structurally unsound.
73. Contractor shall furnish adequate protection from damage for all work and shall repair damages of any kind for which he/she or his/her workmen are responsible.

SAVINGS CLAUSE

74. The contractor shall not be responsible for any losses resulting from his/her failure to perform properly, if such failure was due to causes beyond his/her control and without his/her fault or negligence, including but not restricted to acts of God, wars, acts of public enemies, strikes, fires and floods, provided that the contractor shall within ten (10) days from the beginning of any such delay, notify the Purchasing Manager, in writing, of the cause of such delay.

75. The terms, conditions and requirements set forth in these General Specifications shall be binding upon bidders and contractors submitting bids or furnishing materials in connection with proposals received or contracts awarded by the County pursuant to rules and regulations promulgated by the Purchasing Manager of the Monroe County Division of Purchasing and Central Services.