



REQUEST FOR BID

WATER TOWER DEMOLITION

Village of Oswego
Water Tower Demolition Bid Package
July 2017

Table of Contents

- 1) Legal Notice to Bidders
- 2) Introduction
- 3) Project Specifications
- 4) Instructions to Bidders
- 5) Bid Certifications
- 6) Bid Sheet
- 7) Bid Sheet Signature
- 8) Contractor Bid Agreement
- 9) Statement of Bidder's Qualifications
- 10) References
- 11) Subcontractors
- 12) Equipment List
- 13) Contract
- 14) Plans of Water Tower

LEGAL NOTICE

INVITATION TO BID

DEMOLITION OF THE WATER TOWER LOCATED AT THE NW CORNER OF US ROUTE 34/US ROUTE 30 IN THE VILLAGE OF OSWEGO

Sealed bids for Demolition of the Water Tower located near the NW Corner of US Route 34 and US Route 30 in Oswego will be received at the address listed below until Tuesday, July 11, 2017 at 11:00 a.m. Bids will be publically opened and read aloud at the above stated time and place. Proposals not physically received by the Village by 11:00 a.m. on Tuesday, July 11, 2017 will be returned, unopened to the firm. Emailed or faxed bids will not be accepted. All proposals should be addressed to:

Village of Oswego
Re: (vendor name)
Proposal for Water Tower Demolition
Attention: Annie Callahan, Purchasing Manager
100 Parkers Mill
Oswego IL 60543

Proposal packets are available online at <http://www.oswegoil.org>. The link can be found under the Business & Development tab-Bids & RFPs. Additional packets may be picked up at Oswego Village Hall, 100 Parker's Mill, Oswego, Illinois, 60543.

Each bid must be accompanied by a Bid Guarantee in the form of a Bid Bond from a company with an A-1 best rating, or a cashier's check in the amount of ten percent (10%) of the total amount of the proposal and made payable to the Village of Oswego, Public Works Department, 100 Parker's Mill, Oswego IL. 60543. No bid shall be withdrawn for a period of thirty (30) days after the bid opening date without the consent of the Village. Checks or drafts of unsuccessful bidders will be returned as soon as possible after opening and checking the bids.

Successful bidder must provide proper insurance, a Performance Bond and a Labor and Material Payment Bond in the full amount of the Contract acceptable to the Village. **Contractor must comply with Prevailing Wage Act, if applicable. Each contractor is to submit their bid as indicated in the Specifications and include all signed supporting documents.**

The Village reserves the right to reject any or all bids and to waive any informality in bidding.

Award of Contract: The Village of Oswego Board of Trustees will make the final award of the proposal. The successful bidder and the Village will execute a contract mutually agreeable to both parties within 14 days from the award of contract.

INTRODUCTION

Water Tower Demolition

Purpose of Request:

In 2001, the Kendall Pointe water tower was taken out of service when the Ogden Falls water tower was constructed. Removing the inoperable water tower will improve the appearance of the Village.

Project Description:

The Village is requesting bids for the demolition of the 250,000 gallon water tower located at the Northwest corner of US Route 34 and US Route 30 in Oswego, IL, according to the specifications contained herein.

PROJECT SPECIFICATIONS

Detailed Specifications:

Scope of Work: Contractor shall furnish and provide all labor, materials, tools, equipment and machinery, unless otherwise specified, necessary to perform and complete, in a good and workmanlike manner, this work. Bidders must completely familiarize themselves with the specifications in this bid document.

Base Bid: Demolition of the 110 foot tall water tower will be paid at a flat rate price for the project. The base bid shall include the demolition of the water tower only. Salvaged material shall be cut into pieces measuring 22feet x 7feet to fit into the recycling dumpster. Salvaged material will become the property of the Village, unless other arrangements have been made.

The Contractor shall not use implosion as a way to demolish the water tower.

The water main will be capped by a vendor contracted by the Village and should not be included in the bid. The existing foundation will remain intact.

Public Works normal business hours are 7:00 a.m. to 3:00 p.m. Monday through Friday. Demolition hours shall be from 7am until 8pm Monday through Friday, or as amended with the approval of the Director of Public Works.

Contractor must provide pricing for the base bid for the bid package to be valid but is not required to provide pricing on the optional bid.

Optional Bid – Contractor shall bid on the demolition of the water tower and retain all salvage material of whatever kind encountered during the demolition procedure. Under the terms of the optional bid, Contractor will be responsible for the liability and the cost of the disposal of the material collected during the demolition. The Contractor is expected to dispose of the salvage material in a timely fashion. The Village expects the optional bid to be lower than the base bid if the Contractor retains the salvage material.

Permit: Contractor will be required to work with the Village's Building and Zoning department to obtain demolition permit(s) for this project. There will be no charge for the permit(s).

Debris: The Contractor shall clean and maintain all work areas at all times. Effective dust control by use of spray systems or other means shall be maintained at all times.

Protection of Property and Utilities: All reasonable precautions will be taken to protect public and private property such as pavements, sidewalks, lawns, fences, bushes, trees, shrubs, catch basins, manholes, drains, utilities, buildings and other property from undue damage. If the Director determines that the Contractor has unnecessarily damaged or destroyed property, it shall be repaired or replaced to the satisfaction of the Village at the Contractor's expense.

The Contractor shall have full responsibility for locating all underground facilities in work areas, whether shown or not shown on the Drawings, for coordination of the work with the owners of such underground facilities during construction, for the safety and protection thereof, and repairing any damage thereto resulting from the work; the cost of which shall be included in the Contract Unit Prices for the items specified.

Rules, regulations, and codes governing the respective utilities which may be encountered shall be observed in executing all work

Accident Reporting: All accidents occurring on the job which damage public or private property, result in injuries to workers or other persons, or damage to utilities shall be promptly reported to the Village's Police and to the Public Works Department.

Billing/Invoicing: All billing and invoicing will be done after the completion of the project with detailed itemized billing for each cycle. Billing will include the date, the work performed, and the total cost of the complete project. After receipt of a correct invoice, payments shall be due and owing by the Village in accordance with the terms and provisions of the Local Government Prompt Payment Act, Illinois Compiled Statutes, Ch. 50, Sec. 505, et. seq.;

If, in the opinion of the Village, the Contractor has not or is not satisfactorily performing the work covered by this specification, and within forty eight (48) hours of receipt of a written demand from the Village, for performance, has not cured any defect in performance specifically itemized in such demand, the Village may, at its option:

- a) Withhold payment.
- b) Consider all or any part of this contract breached and terminate the contractor, or
- c) May hire another contractor to cure any defects in performance or complete all work covered by this specification for the remaining term of this contract.
- d) Any demand for performance shall be specifically delivered to contractor by personal delivery, certified or registered mail.

Waivers of Lien Required: It is expressly understood that the Village reserves the right to direct that no payment be made to the Contractor should we have reason to believe that said Contractor has failed for any reason to make just payment to any employee, subcontractor, or material supplier used or employed by the Contractor in the prosecution of the work, until the Village is satisfied that full and proper payment has been made. The Contractor shall secure and file with the Village progress and final waivers of lien for all materials incorporated into and labor and equipment employed on the work before payment requests are processed

Instructions to Bidders

1. **Receipt of Bid:** July, 11, 2017; 11:00 A.M.
2. **Basis of Bid:** Sealed bids will be received until the above noted time and date.
3. **Bid Description:** Demolition of Water Tower
4. **Preparation and Submission of Bids:**
 - A. Each bid shall be submitted on the exact form furnished. All blank spaces for bid prices, unit costs and alternates must be filled in using both words and figures if indicated. In case of any discrepancy in the amount bid, the prices expressed in written words shall govern.
 - B. Each bidder must complete, execute and submit with its bid a certification that Bidder is not barred from public contracting due to bid-rigging or bid rotating convictions on the form included with the bidding documents.
 - C. **Each bidder must submit a complete bid package, including the following items:**
 - i. **Bid Certifications**
 - ii. **Bid Sheet**
 - iii. **Bid Sheet Signature**
 - iv. **Contractor's Bid Agreement**
 - v. **References**
 - vi. **Subcontractors List.**
 - vii. **Equipment List**
 - viii. **Bid Guarantee in the amount of 10% of the total of project.**
 - D. One (1) paper copies of the bid and one electronic version of the bid on a flash drive in a *.pdf (Adobe Acrobat) version shall be submitted in a sealed envelope on or before the time stated and shall bear the name of the individual, firm, or corporation submitting the Bid and the Bid Name - "Water Tower Demolition".
 - E. Bidders may attach separate sheets to the bid for the purpose of explanation, exception, alternate bid and to cover unit prices, if needed.
 - F. Bidders may withdraw their bid either personally or by written request at any time before the hour set for the bid opening, and may resubmit it. No bid may be withdrawn or modified after the bid opening except where the award of contract has been delayed for a period of more than ninety (90) days.
 - G. In submitting this bid, the bidder further declares that the only person or party interested in the proposal as principals are those named herein; and that the bid is made without collusion with any other person, firm or corporation.
 - H. The bidder further declares that he has carefully examined this entire Bid Package, and he has familiarized himself with all of the local conditions affecting the contract and the detailed requirements of this work and understands that in making the bid he waives all rights to plead a misunderstanding regarding same.
 - I. The bidder further understands and agrees that if his bid is accepted, he is to furnish and provide all necessary machinery, tools, apparatus, and other means to do all of the work and to furnish all of the materials specified in the contract, except such materials as are to be furnished by the owner (Village), in the manner and at the time therein prescribed, and in accordance with the requirements therein set forth.
 - J. The bidder further agrees that if the Village decides to extend or shorten the work, or otherwise alters it by extras or deductions, including elimination of one or more of the items, as provided in the specifications, he will perform the work as altered, increased or decreased.
 - K. The bidder further agrees that the Village representative may at any time during the progress of the work covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the bid or contract as a specific item covered by a lump sum price, and which are not included under the bid price for other items in the Contract, shall be performed as extra work.

- L. The bidder further agrees to execute all documents within this Bid Package, for this work and present all of these documents to the Village.
- M. The bidder further agrees to execute all documents within this Bid Package, obtain a Certificate of Insurance for this work and present all of these documents within fifteen (15) days after the receipt of the Notice of Award and the Contract.
- N. The bidder further agrees to begin work not later than ten (10) days after receipt of the Notice to Proceed, unless otherwise provided, and to execute the work in such a manner and with sufficient materials, equipment and labor as will insure its completion within the time limit specified within the bid, it being understood and agreed that the completion within the time limit is an essential part of the contract.
- O. By submitting a bid, the bidder understands and agrees that, if his bid is accepted, and he fails to enter into a contract forthwith, he shall be liable to the Village for any damages the Village may thereby suffer.
- P. No bid will be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has necessary facilities, ability and pecuniary resources to fulfill the conditions of the Contract.
- Q. No bid shall be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has the necessary facilities, ability, and pecuniary resources to fulfill the conditions of the Contract.

5. **Additional Information Request:** Questions regarding this RFP can be emailed to Annie Callahan, Purchasing Manager at ACallahan@oswegoil.org and specific questions regarding the specifications in this RFP can be emailed to Zach Jardine at zjardine@oswegoil.org by the end of business on Wednesday, July 5, 2017. Answers will be provided in writing to all potential Bidders; No oral comments will be made to any Bidder as to the meaning of the RFP and Specifications or other contract documents. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware of and the Village will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the Village) from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in the proposal and other contract documents. Before the proposals are opened, all modification or additions to the proposal documents will be made in the form of a written Addendum issued by the Village. Any Addendum issued will be posted on the Village's website. In the event of conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The Bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the proposal quotation. Failure of a Bidder to include a signed formal Addendum in its proposal quotation shall deem its quotation non-responsive; provided, however that the Village may waive this requirement if it in its best interest.

6. **Conditions:**
- A. The Village is exempt from Federal excise tax and the Illinois Retailer's Occupation Tax. This bid cannot include any amounts of money for these taxes.
 - B. To be valid, the bids shall be itemized so that selection for purchase may be made, there being included in the price of each unit the cost of delivery (FOB Destination).
 - C. The Village shall reserve the right to add or to deduct from the base bid and/or alternate bid any item at the prices indicated in itemization of the bid.
 - D. All bids shall be good for ninety (90) days from the date of the bid opening.

7. **Award of Bid:** The Village of Oswego reserves the right to reject any or all bids and to waive any informality or technical error and to accept any bid deemed most favorable to the interests of the Village of Oswego.
- A. The items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the items of work for which a unit price is given. No additional payment will be made for such incidental work. The Bidder shall be responsible for identifying all costs to complete the project on time and in order to create a functional and operational system in accordance with the Plans and Specifications.
- B. All awards made in accordance with this Code are final determinations.
- C. In addition to price, the Village will consider:
- Ability, capacity and skill to fulfill the contract as specified.
 - Ability to supply the commodities, provide the services or complete the construction promptly, or within the time specified, without delay or interference.
 - Character, integrity, reputation, judgment, experience and efficiency.
 - Quality of performance on previous contracts.
 - Previous and existing compliance with laws and ordinances relating to the contract.
 - Sufficiency of financial resources.
 - Quality, availability and adaptability of the commodities, services or construction, in relation to the Village's requirements.
 - Ability to provide future maintenance and service under the contract.
 - Number and scope of conditions attached to the bid/proposal.
 - Record of payments for taxes, licenses or other monies due the Village

8. **Rejection of Bids:**

- A. The Village reserves the right to cancel invitations for bids or requests for proposals without penalty when it is in the best interest of the Village. Notice of cancellation shall be sent to all individuals or entities solicited.
- B. The Village reserves the right to reject any or all bids, to waive any minor informality or irregularity in any bid, to negotiate changes and/or modifications with the lowest responsible bidder and to make award to the response deemed to be the most advantageous to the Village. Bidders shall be required to comply with all applicable federal, state and local laws, including those relating to employment of labor without discrimination on the basis of age, race, color handicap, sex, national origin or religious creed.
- C. Any bid not conforming to the specifications or requirements set forth by the Village in the bid request may be rejected.
- D. Bids may also be rejected if they are made by a bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.

9. **Equal Opportunity:** The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.

10. **Non-Discrimination:** The Bidder, its employees and subcontractors, agrees not to commit unlawful discrimination and agrees to comply with applicable provisions of the Illinois Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

11. **Copies of Documents:** The number of copies of Contract and Bond required to be executed is as follows:

Three (3) original counterparts of the Contract documents will be required to be executed.

12. **Execution of Documents:** The Bidder, in signing his Bid on the whole or on any portion of the work, shall conform to the following requirements:

Bids signed by an individual other than the individual represented in the Bid documents shall have attached thereto a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.

Bids which are signed for a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Bid a power of attorney evidencing authority to sign the bid, executed by the partners.

Bids which are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation manually written below the corporate name.

If such Bid is manually signed by an official other than the President of the Corporation, a certified copy of a resolution of the board of directors evidencing the authority of such official to sign the Bid should be attached to it. Such Bid shall also bear the attesting signature of the Secretary of the corporation and the impression of the corporate seal.

The Contract shall be deemed as have been awarded when formal notice of award shall have been duly served upon the intended awardee.

13. **Independent Contractor:** There is no employee/employer relationship between the Contractor and the Village. Contractor is an independent contractor and not the Village's employee for all purposes, including, but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, *et seq.*). The Village will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Contractor. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Contractor and the Village, and the Village is not and will not be liable for any obligations incurred by the Contractor, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist an agency relationship or partnership between the Village and the Contractor.

14. **Approval and Use of Subcontractors:** The Contractor shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the Village in writing. All subcontractors and subcontracts used by the Contractor shall be included on the Subcontractor's form in the Bid proposal and be acceptable to, and approved in advance by the Village. The Village's approval of any subcontractor or subcontract shall not relieve the Contractor of full responsibility and liability for the provision, performance, and completion of the Work in full compliance with, and as required by or pursuant to, this Contract. If the Contractor chooses to use subcontractors to perform any of the Work, the Work performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of the Contractor. Every reference in this Contract to "Contractor" shall be deemed to also apply to all subcontractors of the Contractor. Every subcontract entered into by the Contractor to provide the Work or any part thereof shall include a provision binding the subcontractor to all provisions of this Contract.

If any personnel or subcontractor fail to perform the part of the Work undertaken by it in a manner satisfactory to the Village, the Contractor shall immediately upon notice from the Village remove and replace such personnel or subcontractor. The Village shall have no claim

for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such removal or replacement.

15. **Assignment:** Neither the Village nor the Contractor shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other party, which consent shall not be unreasonably withheld.
16. **Governing Law:** This Contract and the rights of Owner and Consultant under this Contract shall be interpreted according to the internal laws, but not the conflict of laws rules, of the State of Illinois. Venue for any action related to this Contract will be in the Circuit Court of Kendall County, Illinois.
17. **Changes in Law:** Unless otherwise explicitly provided in this Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.
18. **Time:** The Contract Time is of the essence of this Contract. Except where otherwise stated, references in this Contract to days shall be construed to refer to calendar days.

CONTRACT

The entire bid package and following sections apply to all proposals requested and accepted by the Village and become a part of the contract unless otherwise specified. Persons submitting proposals or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting proposals. The Village assumes that submission of a proposal means that the person submitting the proposal has familiarized himself with all conditions and intends to comply with them unless noted otherwise.

1. **Definitions:** The Term "Village" whenever used in the contract documents shall be construed to mean the Village of Oswego. The Village of Oswego, the Public Works Department, and the Director of Public Works shall also be known herein, respectively, as the Village, the Department, and the Director.
2. **Conditions:** The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this project and bid. Failure to make such investigation and preparations shall not excuse the Contractor from performance of the duties and obligations imposed under the terms of this contract. The bidder acknowledges that local ordinance permits the Village to give preference to local businesses.
3. **Bid Bond:** If the bidder's proposal for this project exceeds fifty thousand dollars (\$50,000.00), bids shall be secured by a certified check, bank draft, satisfactory bid bond or approved letter of credit in the amount of ten percent (10%) of the total amount of the complete project. Bid security shall be submitted with the bid.
4. **Performance Bond:** If the bidder's proposal for the project is equal to or greater than \$5,000 then the following bonds shall be delivered to the Village and shall become binding with the acceptance of the bid:
 - A. Performance bond satisfactory to the Village, executed by Surety Company authorized to do business in the state or otherwise secured in a manner satisfactory to the Village, in an amount equal to 110% of the complete project. The surety on the bond shall be a company that is licensed by the Department of Insurance authorizing it to execute surety bonds and the company shall have a financial strength rating of at least A- as rated by A.M. Best Company, Inc., Moody's Investors Service, Standard & Poor's Corporation, or a similar rating agency.
5. **Insurance Requirements:** The Contractor will provide satisfactory proof of insurance naming the Village of Oswego, together with its officers, agents, employees and engineers as additional primary, non-contributory named insureds prior to commencing work. All policies shall be written on a "per occurrence" basis. The Contractor shall procure and maintain insurance for protection from claims under worker's compensation acts, claims for damages because of bodily injury including personal injury, sickness or disease or death of any and all employees or of any person other than such employees, and from claims or damages because of injury to or destruction of property including loss of use resulting therefrom, alleged to arise from the Contractor's negligence in the performance of services under this Agreement. Contractor's certificate of insurance shall contain a provision that the coverage afforded under the policy(s) will not be canceled or reduced without thirty (30) days prior written notice (hand delivered or registered mail) to the Village. Contractor shall promptly forward new certificate(s) of insurance evidencing the coverage(s) required herein upon annual renewal of the subject policies. Failure of the Engineer to supply a valid certificate of insurance, or if a previously valid certificate of insurance has expired and is not replaced, is grounds for issuance of a stop work order until such time as a valid certificate of insurance is provided. Failure of the Village to collect or demand a

certificate of insurance shall not be deemed a waiver of the requirement to provide one. The limits of liability for the insurance required by this Subsection shall not be less than the following:

Workmen’s Compensation Insurance:

All Liability imposed by Workmen’s Compensation statute

Employer’s Liability Insurance	\$1,000,000
Contractual Liability Insurance	\$1,000,000
Completed Operations Insurance	\$ 500,000

Owned, Hired, and Non-Ownership Vehicle, Bodily Injury and Property Damage to the following Limits:

Commercial General Liability	\$2,000,000 (each occurrence)
Bodily Injury	\$2,000,000 (each person)
	\$2,000,000 (each accident)
Property Damage	\$2,000,000 (each accident)
Automobile Liability	\$1,000,000 combined single limit (each accident)
Umbrella Liability	\$3,000,000 (each occurrence)
	\$3,000,000 (aggregate)

6. **Force Majeure:** Whenever a period of time is provided for in this Agreement for the Contractor or the City to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the City or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts of war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes; g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence or it shall be deemed to be waived.

7. **Liquidated Damages:** Time is of the essence to the contract. Should the Contractor fail to complete the work within the specified time stipulated in the contract or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Village the amount shown in the following schedule of deductions, not as a penalty but as liquidated damages, for each hour of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. This schedule of deductions establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the Village during extended and delayed performance by the Contractor of the work. The liquidated damage amount specified will accrue and be assessed until final completion of the total physical work of the contract even though the work may be substantially complete.

The Village will deduct these liquidated damages from any monies due or to become due to the Contractor from the Village.

Deduction for Each Day of Overrun in Contract Time: \$250.00 per day.

8. **Ineligible Contractors or Vendors:** The Contractor shall certify their review of the village debarment list found at www.oswegoil.org and to further comply with all provisions of Title 1-16-16 of the Village Code. Each proposal, bid or quotation must also include a listing of all intended subcontractors.

Bids received from any listed contractor in response to an invitation for bids shall be entered on the abstract of bids and rejected. Proposals, quotations, or offers received from any listed contractor shall not be evaluated for award or included in the competitive range, nor shall discussions be conducted with a listed offer or during a period of ineligibility. If the period of ineligibility expires or is terminated prior to award, the village may, but is not required to, consider such proposals, quotations, or offers.

9. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.

10. **Contract Term:** The contract will begin upon a full executed Agreement and approval of the Village Board and expire thirty (30) days after the complete of the project. The Village anticipates that this project will be completed no later than September 30, 2017.

11. **Driver's License:** Before commencing work, the Contractor shall provide a copy of valid driver's license for each employee operating equipment in the Village. Drivers shall possess of Commercial Driver's License with appropriate endorsements if operating equipment that requires such a license.

12. **Change Orders:** After a contract is awarded pursuant to the competitive bid procedures specified herein, additional purchases or modifications may be made under the contract, or the terms of the contract may be extended, without rebidding the materials, supplies, services or equipment involved, provided that the change order:
 - A. Is not of such a size or nature as to undermine the integrity of the original bidding process; and
 - B. Is germane to the original contract; and
 - C. Does not exceed twenty percent (20%) of the contracted amount; and
 - D. Is approved by the Board of Trustees or by the Village Administrator, or his/her designee for change orders that are not greater than fifteen thousand dollars (\$15,000.00).
 - E. Change orders for contracts for public improvements shall be as provided by state law.

13. **Construction Contracts:** In addition to the bid and performance bonds set forth above, the bidder must furnish and pay for satisfactory any other security required by law or by the specifications for this particular project. Upon receipt of the performance bond, the Village will return the bid bond to the bidder.
 - A. The bidder must comply with all applicable laws prerequisite to doing business in the state.
 - B. The bidder must have a valid Federal Employer Tax Identification Number or Tax Identification Number (for individuals).
 - C. The bidder must provide a Statement of Compliance with provisions of the State and Federal Equal Opportunity Employer requirements.
 - D. The bidder must provide evidence of any professional or trade license required by law or local ordinance for any trade or specialty area in which the Contractor is seeking a contract award. Additionally, the Contractor must disclose any suspension or revocation

of such license held by the company, or of any director, officer or manager of the company. Any material changes to the Contractor's status, at any time, must be reported in writing to the Village within 14 days of its occurrence. Failure to comply with this requirement is grounds for the Contractor to be deemed non-responsible.

- E. The bidder must provide the name and addresses of all known Subcontractors, the general type of work to be performed by these Subcontractors and the expected amount of money that each will receive under the contract. If at any time during the term of the contract a Contractor adds or changes any Subcontractors, he or she shall promptly notify, in writing, the Village Finance Director or their designee of the names and addresses of each new or replaced Subcontractor and the general type of work to be performed.
 - F. The bidder must provide an affidavit indicating all incomplete work under Contractor and all pending Contractors, along with a schedule of the expected completion of each such contract.
14. **Termination:** The Village shall have the right at any time and for any reason (without any penalty) to terminate, in whole or in part, this Contract, provided that the Village shall provide Contractor at least ten (10) days' prior written notice of such termination whereupon this Agreement shall automatically terminate immediately after the 11th day.
- A. When this contract, or any portion hereof, is terminated or cancelled by the Village, and the Contractor released before all items of work included in this contract have been completed, payment may be made be prorated as a percentage of completion of the actual work at contract unit prices, and no claims for loss of anticipated profits or other damages will be made and are hereby waived.
 - B. Termination of a contract, as stated above, will not relieve the Contractor or his/her surety of the responsibility of replacing defective work or materials.
15. **Additional Items:** The Village and Contractor further agree that
- A. **If the Prevailing Wage Act Applies:**
Wage Rate Requirements:
 - (1) The Contract shall be based upon payment by Contractor and his Subcontractor of wage rates not less than the prevailing hourly wage rate for each classification of worker engaged on the work as determined by the State of Illinois, Department of Labor.
 - (2) A copy of the wage determination shall be posted by the Contractor in a conspicuous place at the site of the work where it can be easily seen by the workers.
 - (3) The Contractor shall maintain certified time sheets and submit to the Village with final invoice.
 - (4) The Contractor will be required to sign a Wage Rate Requirement Certification.
 - B. **Prevailing Wage**
Some or all of the work herein may be subject to the provisions of Prevailing Wage Act, 820 ILCS 130/0.01 et.seq., providing for the payment of prevailing rate wages to all laborers, workmen and mechanics engaged on work. The Contractor agrees that, prior to making any payments to its own laborers, workers, or mechanics or to any subcontractor it will determine whether it must legally pay wages in accordance with the Prevailing Wage Act, and if so legally required, pay the then-current prevailing rate of wage as determined by the Illinois Department of Labor and posted at:
<http://www.state.il.us/agency/idol/>

The Village may at any time inquire of the Contractor as to rates of wages being paid employees of the Contractor, and any subcontractor or material men, whereupon such information shall be promptly provided by the Contractor. The Contractor shall

indemnify the Village for any and all violations of the prevailing wage laws and any rules and regulations now and hereafter issued pursuant to said laws.

The Contractor shall insert into each subcontract and into the project specifications for each subcontract a written stipulation requiring all laborers, workers and mechanics performing work under the contract to comply with the Prevailing Wage Act and to require each subcontractor to insert into each lower-tiered contract and into the project specification for each lower tiered subcontract a similar stipulation.

- C. **Sexual Harassment:** During the entire term of the contract, Contractor shall have in full force and effect a written Sexual Harassment Policy, which complies with the Illinois Human Rights Act (775- ILCS 5/1-101 et.seq.) including at least the following: 1) a statement on the illegality of sexual harassment; 2) the definition of sexual harassment under Illinois Law; 3) a description of sexual harassment, utilizing examples; 4) an internal complaint process, including penalties; 5) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights (“Department”) and the Illinois Human Rights Commission (“Commission”); 6) directions on how to contact the Department and the Commission; and 7) protection against retaliation as provided by Section 6-101 of the Act.
- D. **Drug Free Workplace:** In compliance with Illinois law, The Contractor certifies and agrees that it will provide a drug free workplace by:
1. Publishing a Statement:
 - 2) Notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance, including cannabis, is prohibited in the Contractor’s workplace.
 - 3) Specifying the actions that will be taken against employees for violations of such prohibition.
 - 4) Notifying the employee that, as a condition of employment on such Contract, the employee will:
 - 5) Abide by the terms of the statement; and
 - 6) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
 - 7) Establishing a drug free awareness program to inform employees about:
 - 8) The dangers of drug abuse in the workplace;
 - 9) The Contractor’s policy for maintaining a drug free workplace;
 - 10) Available counseling, rehabilitation, or assistance programs; and
 - 11) Penalties imposed for drug violations.
 - 12) Providing a copy of the Statement required by subsection (a) to each employee engaged in the performance of the Contract and to post the Statement in a prominent place in the workplace.
 - 13) Notifying the contracting agency within ten (10) days after receiving notice of any violations as listed above.
 - 14) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program, by any employee who is so convicted, as required by Section 5 of the Drug Free Workplace Act.
 - 15) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation are required and indicating that a trained referral team is in place.
 - 16) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.
 - 17) The Contractor will be required to sign a Drug Free Workplace Certification.
- E. **Substance Abuse Prevention on Public Works Projects:** Before a contractor or subcontractor commences work on a public works project as defined in 820 ILCS 130/2,

the contractor or subcontractor shall have in place a written program which meets or exceeds the program requirements in the Substance Abuse Prevention on Public Works Projects Act, to be filed with the public body engaged in the construction of the public works and made available to the general public, for the prevention of substance abuse among its employees. The testing must be performed by a laboratory that is certified for Federal Workplace Drug Testing Programs by the Substance Abuse and Mental Health Service Administration of the U.S. Department of Health and Human Services. At a minimum, the program shall include all of the following:

- 1) A minimum requirement of a 9 panel urine drug test plus a test for alcohol. Testing an employee's blood may only be used for post-accident testing, however, blood testing is not mandatory for the employer where a urine test is sufficient.
- 2) A prohibition against the actions or conditions specified in 820 ILCS 265/10.
- 3) A requirement that employees performing the work on a public works project submit to pre-hire, random, reasonable suspicion, and post-accident drug and alcohol testing. Testing of an employee before commencing work on a public works project is not required if the employee has been participating in a random testing program during the 90 days preceding the date on which the employee commenced work on the public works project.
- 4) A procedure for notifying an employee who violates 820 ILCS 265/10, who tests positive for the presence of a drug in his or her system, or who refuses to submit to drug or alcohol testing as required under the program that the employee may not perform work on a public works project until the employee meets the conditions specified in subdivisions (2)(A) and (2)(B) of 820 ILCS 265/20.

F. **Non-Collusion:** The Contractor represents that it is not barred from bidding for this contract as a result of a violation of 720 ILCS 5/33E concerning bid rigging, rotating, kickbacks, bribery and interference with public contracts. The Contractor will be required to sign the Non-Collusion Certification.

G. **Ineligible Contractors or Vendors:** The Contractor shall certify their review of the village debarment list found at www.oswegoil.org and to further comply with all provisions of Title 1-16-16 of the Village Code. Each proposal, bid or quotation must also include a listing of all intended subcontractors.

Bids received from any listed contractor in response to an invitation for bids shall be entered on the abstract of bids and rejected. Proposals, quotations, or offers received from any listed contractor shall not be evaluated for award or included in the competitive range, nor shall discussions be conducted with a listed offer or during a period of ineligibility. If the period of ineligibility expires or is terminated prior to award, the village may, but is not required to, consider such proposals, quotations, or offers.

The Contract shall comply with the Employment of Public Works Act (30 ILCS 570/0.01), if applicable.

H. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.

16. **Indemnity and Hold Harmless Agreement:** To the fullest extent permitted by law, Contractor shall indemnify, defend, save and hold the Village, its trustees, officers, employees, agents, attorneys and lenders (collectively the "Indemnitees") harmless from and against all loss and expense (including, but not limited to, reasonable attorney's fees and other costs and expenses) by reason of any liability or allegation of liability, against the Indemnitees, or any of them, for damages because of property damage or bodily injury, occupational sickness or disease,

including death, resulting therefrom, while performing the work or while at the site where work under the Contract is being conducted or elsewhere, while engaged in the performance of Work under the Contract, however such injuries may be caused, whether attributable to a breach of statutory duty or administrative regulation or otherwise, and such injuries for which liability is imputed to the Indemnitees, or any of them, or damage or injury, directly or indirectly arising or alleged to arise out of the performance of or the failure to perform the work or the failure to protect the work or the site, or the condition of the work, the site, adjoining land or driveways, or streets or alleys used in connection with the performance of the work. Without limiting the generality of the foregoing, the defense and indemnity set forth in this section includes, subject only to the limitations contained in this section, all liabilities, damages, losses, claims, demands and actions on account of bodily injury, death or property loss to an Indemnitee or to any other person or entities, whether based upon, or claimed to be based upon, statutory, contractual, tort or other liability of any Indemnitee. In addition, such defense and indemnity shall include all liabilities, damages, losses, claims, demands and actions for defamation, false arrest, malicious prosecution or any other infringement or similar rights.

The provisions of the indemnity provided for herein shall not be construed to indemnify any Indemnitee for its own negligence. To the extent not permitted by law or to eliminate or reduce any other indemnification, right or remedy which the Village is otherwise entitled to assert. This provision shall survive completion, expiration, or termination of this Agreement.

If any claim indemnified hereunder has not been settled or discharged when the work is completed, final payment of the Contract Sum shall not be due, unless and until Contractor provides a bond or other security equal to 150% of the amount of such claim in a form and substance satisfactory to the Village. In any and all claims against any Indemnitee or any of its agents or employees by any employee of Contractor, anyone directly or indirectly employed by him or anyone for whose acts he may be liable, the indemnification obligation under this Section shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for Contractor under Worker's Compensation acts or other employees benefit acts.

IN WITNESS WHEREOF the parties hereto have executed or caused to be executed by their duly authorized agents, this contract in DUPLICATE, each of which shall be deemed original, on the day and year first written.

Village of Oswego Administrator Date

Attest _____ Title _____

(Printed Name of Contractor)

Address Date

City State Zip Code

Signature of Authorized Representative

Title Date

WAGE RATE REQUIREMENTS CERTIFICATION

GENERAL

1. The Contract shall be based upon payment by Contractor and his Subcontractor of wage rates not less than the prevailing hourly wage rate for each classification of worker engaged on the work as determined by the State of Illinois, Department of Labor.
2. The Prevailing Wage Law does not prohibit payment of more than the prevailing rate of wages nor does it limit the hours of work which may be performed by any worker in any particular period of time.
3. A copy of the wage determination shall be posted by the Contractor in a conspicuous place at the site of the work where it can be easily seen by the workers.
4. The Contractor shall maintain certified time sheets and submit to the Village with final invoice.

Village of Oswego Administrator

Date

Attest _____

Title _____

(Printed Name of Contractor)

Signature of Authorized Representative

Address

DRUG FREE WORKPLACE CERTIFICATION

In compliance with State of Illinois Compiled Statutes, Chapter 30-580, The Contractor certifies and agrees that it will provide a drug free workplace by:

Publishing a Statement:

- A. Notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance, including cannabis, is prohibited in the Contractor's workplace.
- B. Specifying the actions that will be taken against employees for violations of such prohibition.
- C. Notifying the employee that, as a condition of employment on such Contract, the employee will:
 - 1. Abide by the terms of the statement; and
 - 2. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- D. Establishing a Drug Free Awareness Program to inform employees about:
 - 1. The dangers of drug abuse in the workplace;
 - 2. The Contractor's policy for maintaining a drug free workplace;
 - 3. Available counseling, rehabilitation, or assistance programs; and
 - 4. Penalties imposed for drug violations.
- E. Providing a copy of the Statement required by subsection (a) to each employee engaged in the performance of the Contract and to post the Statement in a prominent place in the workplace.
- F. Notifying the contracting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- G. Imposing a sanction on, or requiring the satisfactory participation in a Drug Abuse Assistance or Rehabilitation Program, by any employee who is so convicted, as required by Section 5 of the Drug Free Workplace Act.
- H. Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation are required and indicating that a trained referral team is in place.
- I. Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

The undersigned affirms, under penalties of perjury, that he/she is authorized to execute this certification on behalf of the designated organization.

(Printed name of Contractor)

Address

City

State

Zip Code

Signature of Authorized Representative

Title

Date

NON-COLLUSION CERTIFICATE

The Undersigned Bidder is not barred from bidding for this Contract as a result of a violation of either Section 33E-3 or Section 33E-4 of Chapter 38 of the Illinois Revised Statutes concerning bid rigging, rotating, kickbacks, bribery and interference with public contracts.

(Printed Name of Contractor)

Address

City

State

Zip Code

Signature of Authorized Representative

Title

Date

ELIGIBLE CONTRACTOR AND SUBCONTRACTOR CERTIFICATE

The Undersigned Bidder is not barred from bidding for this Contract as a result of a violation of either Section 33E-3 or Section 1-19-16 of The Village Code regarding ineligible contractors.

(Printed Name of Contractor)

Address

City

State

Zip Code

Signature of Authorized Representative

Title

Date

STATE AND FEDERAL EQUAL OPPORTUNITY EMPLOYER CERTIFICATE

The Undersigned Bidder agrees to comply with all State and Federal Equal Opportunity Employer laws.

(Printed Name of Contractor)

Address

City

State

Zip Code

Signature of Authorized Representative

Title

Date

REFERENCES

VILLAGE OF OSWEGO

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

If additional sheets are needed, please make copies.

SUBCONTRACTORS

VILLAGE OF OSWEGO

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 2: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 3: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

If additional sheets are needed, please make copies.

BID SHEET

The prices stated in this proposal are guaranteed for 45 days from the date of hereof and if awarded within that period, we agree to complete the work covered by this Proposal at said prices.

Water Tower Demolition Base Bid \$ _____

Water Tower Demolition Optional Bid \$ _____

BID SHEET SIGNATURE

PRINTED NAME _____

SIGNED _____

TITLE _____

COMPANY _____

DATE _____

CONTRACTOR BID AGREEMENT

TO: Village of Oswego
100 Parker's Mill
Oswego, IL. 60543

The undersigned bidder, in compliance with your advertisement for bids for work as specified, and related documents prepared by or at the direction of the Village of Oswego, Owner, and being familiar with all conditions surrounding the work, including availability of labor and material, does hereby propose to furnish materials, labor, equipment and services and pay for same and shall perform all work required for the completion of the Project, in accordance with the Contract documents and at the price provided.

Bidder certifies this bid to be for the project described in the Instruction to Bidders document and to be in accordance with plans, specifications and Contract documents, including the invitation for bids.

In no event shall any delays or extensions of time be construed as cause or justification for payment of extra compensation to the Contractor. Any claims for an increase of the Contract time shall be made in writing to the Village within seven (7) days of the cause.

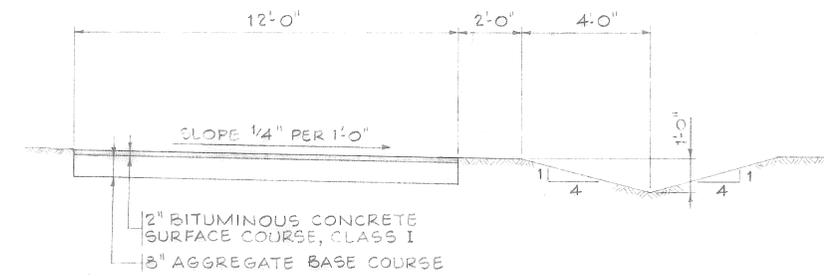
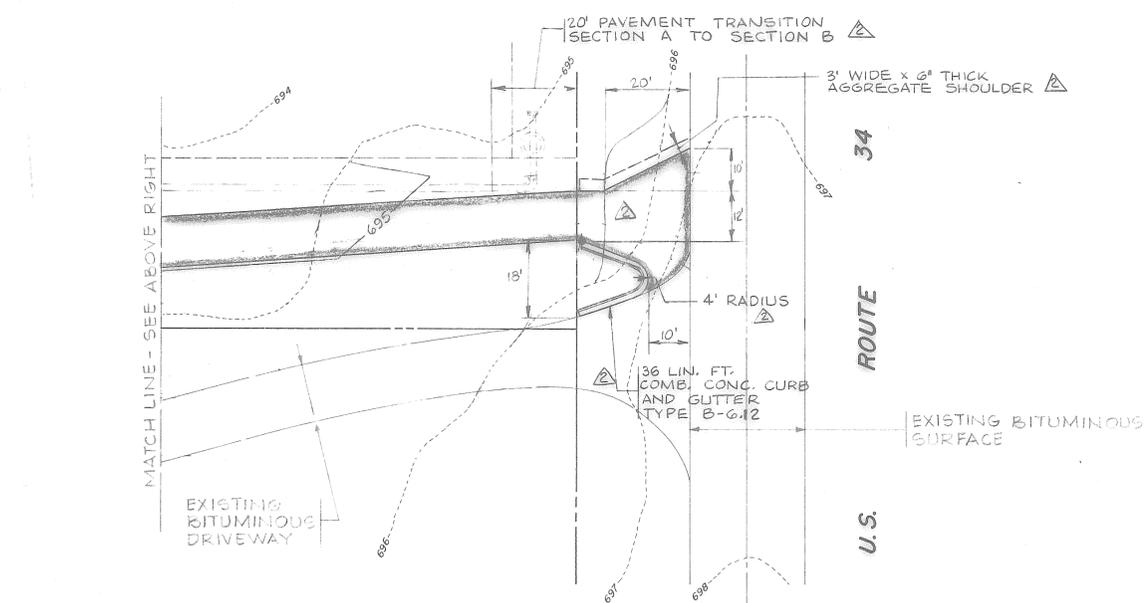
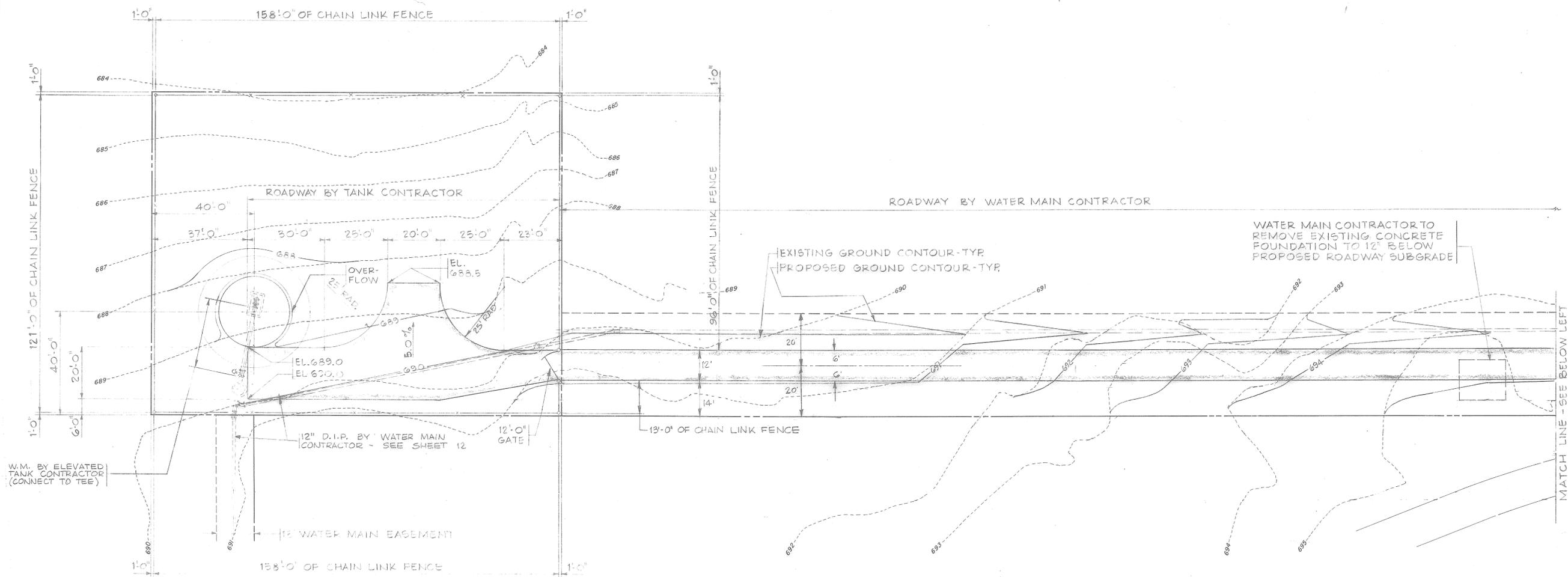
Signed: _____

Print Name: _____

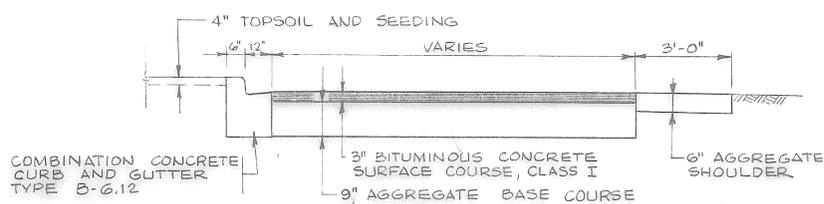
Title: _____

Company Name: _____

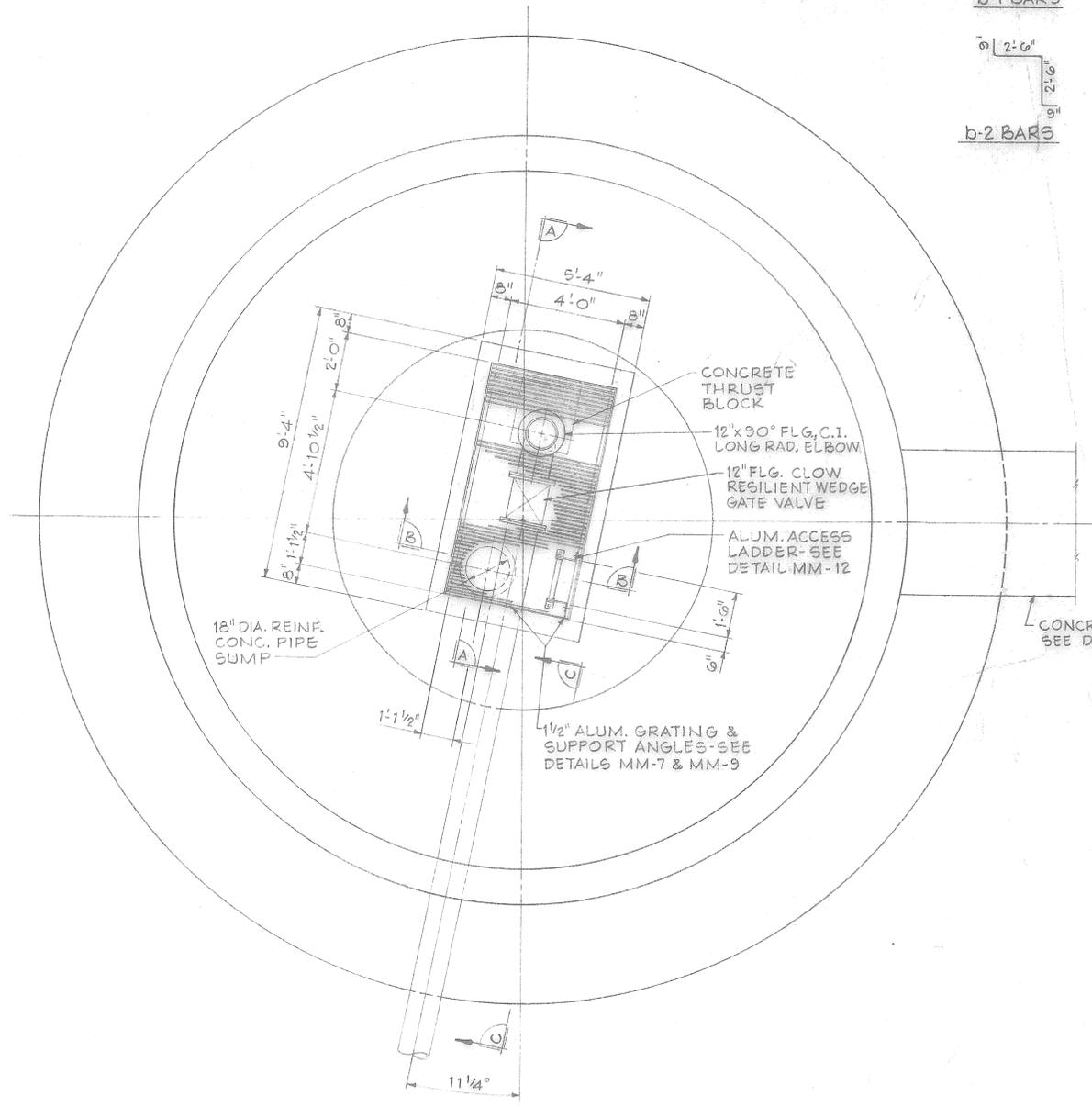
Date: _____



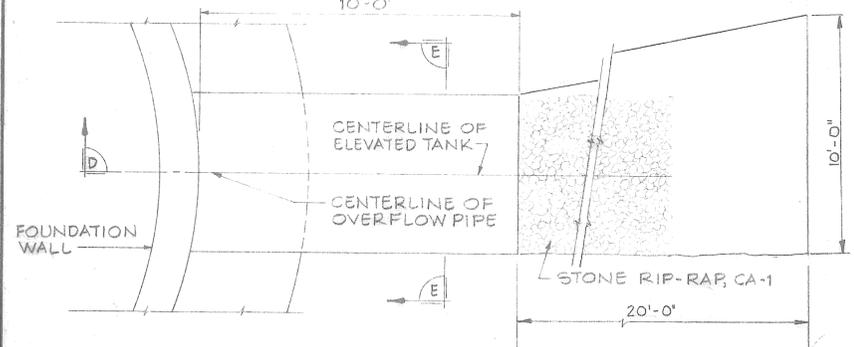
A. ROADWAY TYPICAL SECTION (LOOKING NORTH) SCALE 3/8" = 1'-0"
NORTH OF U.S. ROUTE 34 RIGHT OF WAY



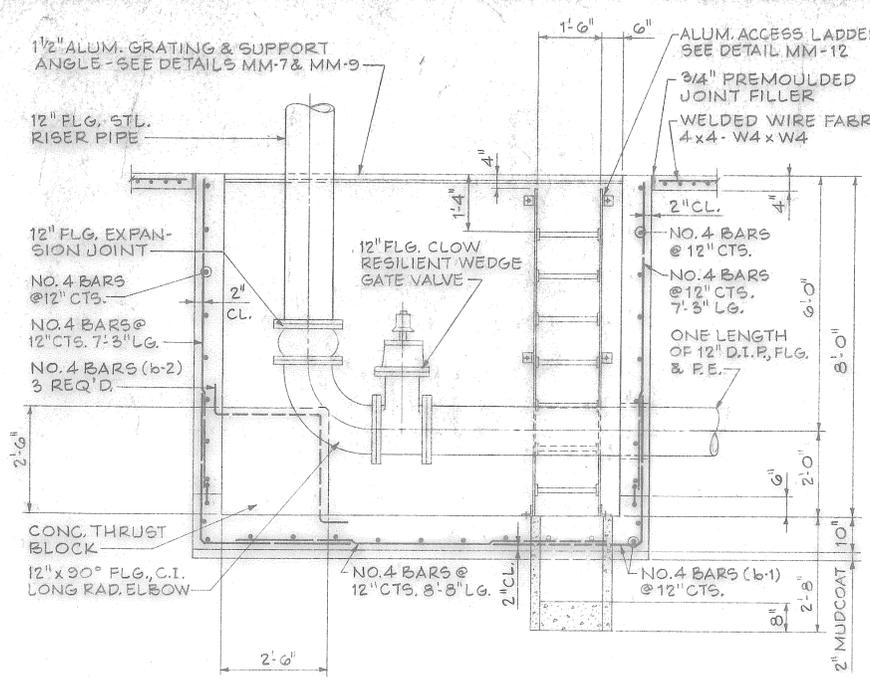
B. ROADWAY TYPICAL SECTION (LOOKING NORTH)
ON U.S. ROUTE 34 RIGHT OF WAY



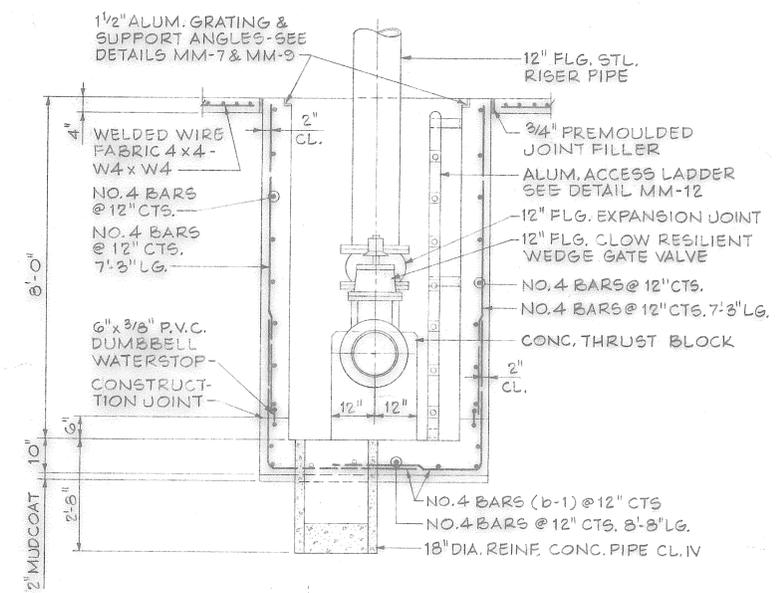
PLAN-FOUNDATION & VALVE PIT SCALE 3/8"=1'-0"



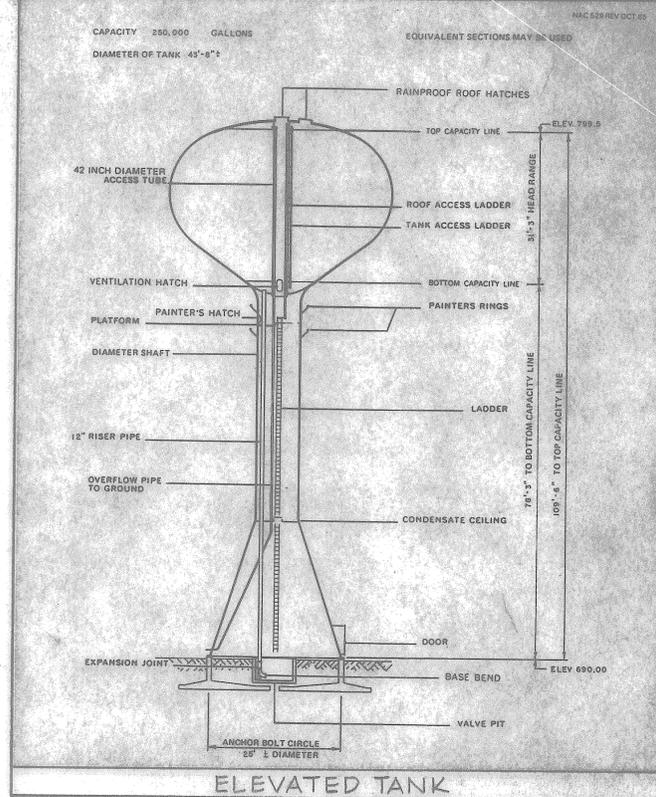
SECTION D-D CONCRETE SPLASH PAD DETAIL SCALE 3/8"=1'-0"



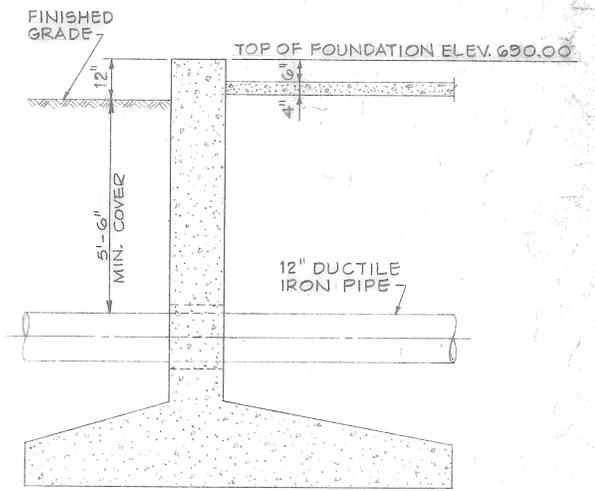
SECTION A-A SCALE 1/2"=1'-0"



SECTION B-B SCALE 1/2"=1'-0"



ELEVATED TANK



SECTION C-C

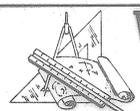
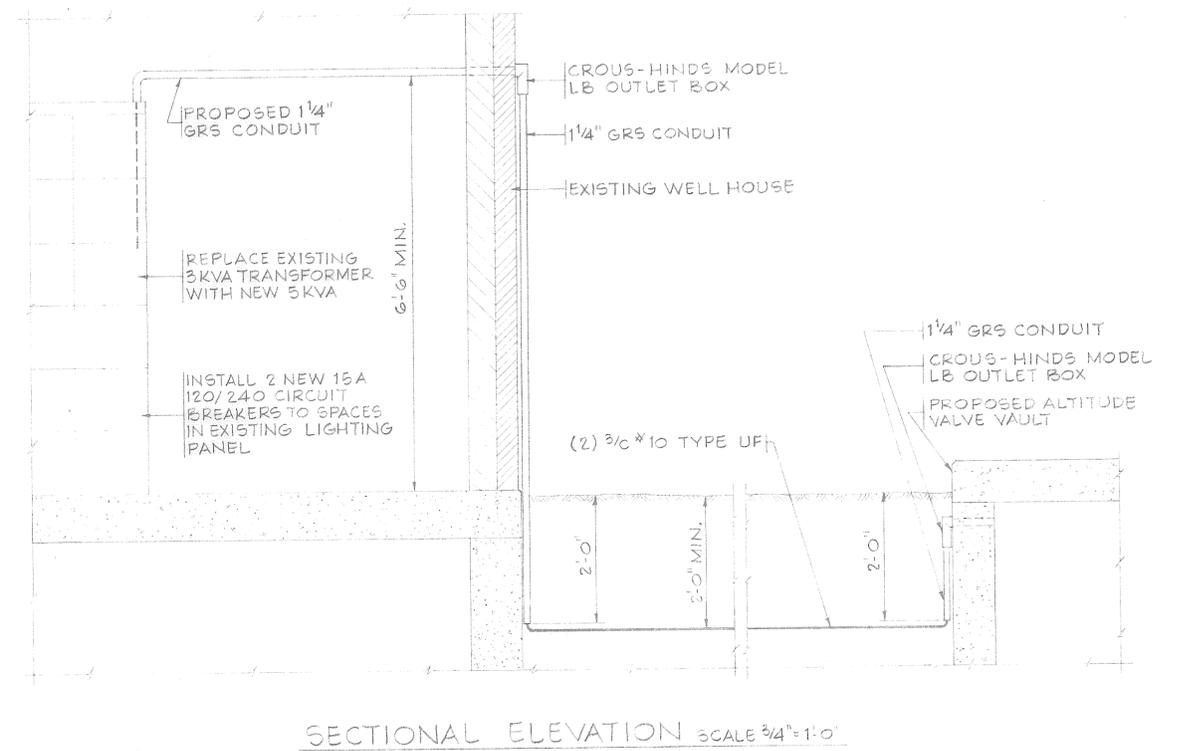
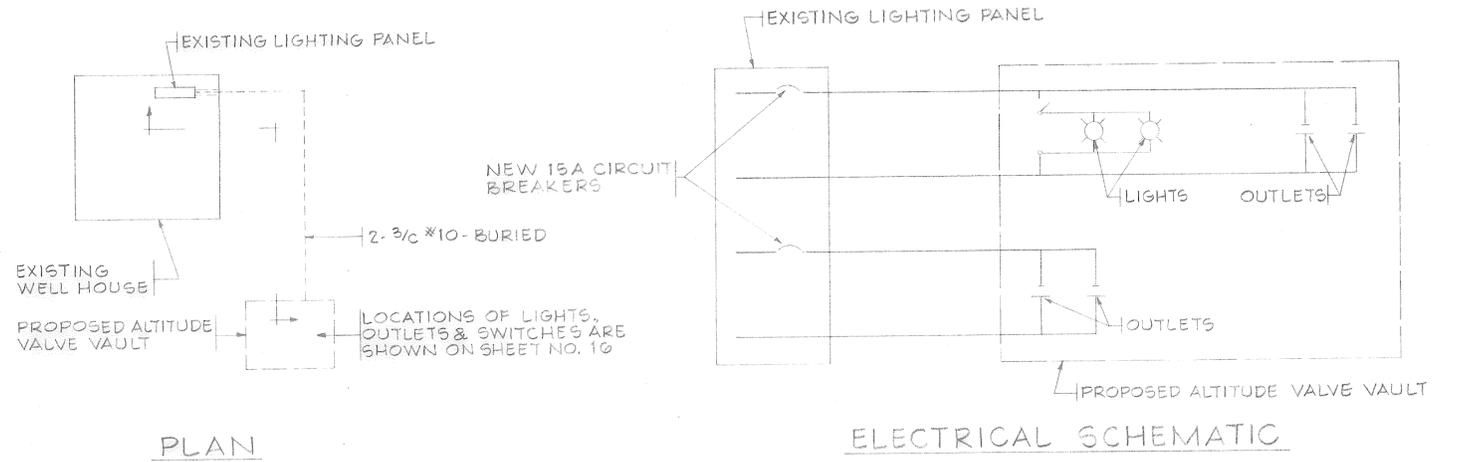
PLAN

SECTION E-E

120/240 100 AMP

INTERIOR LIGHTING	15A	15A	WARNING BEACON
OUTLETS	15A	15A	CATHODIC PROTECTION
CONTROLS	15A	15A	SPARE
SPARE	15A	15A	SPARE

PROPOSED ELEVATED TANK LIGHTING PANEL



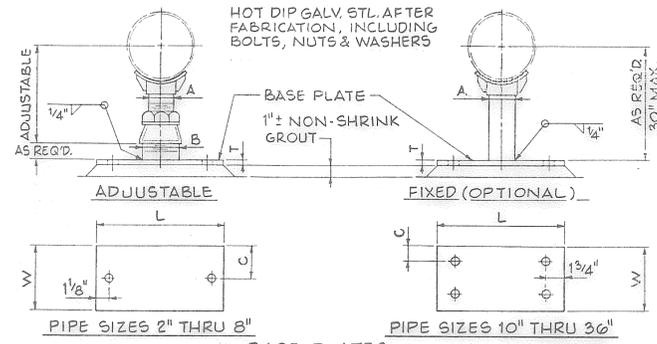
WALTER E. DEUCLER ASSOCIATES, INC.

Consulting Engineers - Aurora, Illinois

REVISIONS						
DESIGNED	MGM	DRAWN	GWR	APPROVED	DATE	BOOK 708
SCALE		JOB NUMBER 0586001				

1987 - WATER MAIN AND ELEVATED TANK
 VILLAGE OF OSWEGO, ILLINOIS
 ALTITUDE VALVE VAULT ELECTRICAL

SHEET **17**
 OF 19

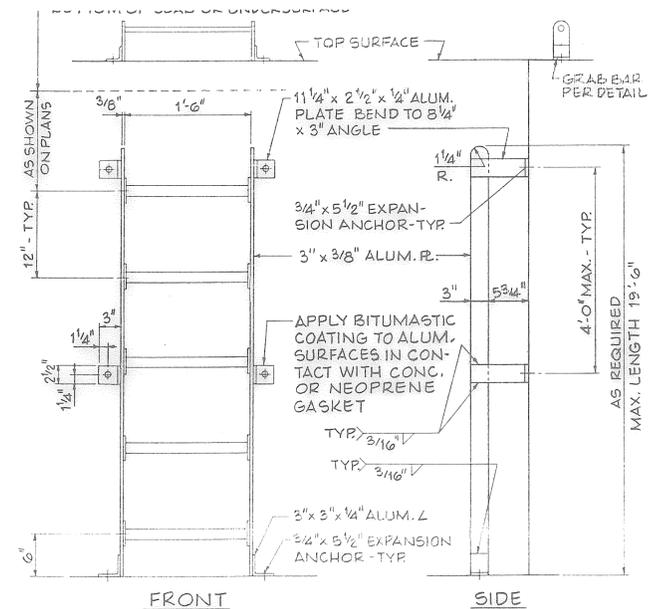


BASE PLATES

SUPPORT DIMENSIONS						
NOM. PIPE SIZE	MAX. PIPE O.D.	A PIPE SIZE	B PIPE SIZE	L x W x T	C	ANCH. BOLT DIA.
4"	4 7/8"	2 1/2"	3"	9 3/4" x 3" x 3/8"	1 1/2"	3/4"
5"	5 5/8"	2 1/2"	3"	10 13/16" x 3" x 3/8"	1 1/2"	3/4"
6"	7"	2 1/2"	3"	13 5/8" x 6" x 1/2"	3"	7/8"
8"	9 1/8"	2 1/2"	3"	15 5/8" x 6" x 1/2"	3"	7/8"
10"	11 1/8"	2 1/2"	3"	18 3/4" x 8" x 1/2"	1 1/2"	1"
12"	13 1/2"	2 1/2"	3"	20 5/4" x 8" x 1/2"	1 1/2"	1"
14"	14"	3"	4"	22" x 10" x 1/2"	2"	1"
16"	16"	3"	4"	24" x 10" x 1/2"	2"	1"
18"	18"	4"	6"	26" x 12" x 1/2"	2 1/2"	1"
20"	20"	4"	6"	28" x 12" x 1/2"	2 1/2"	1"
22"	22"	4"	6"	30" x 12" x 1/2"	2 1/2"	1"
24"	24"	4"	6"	32" x 12" x 1/2"	2 1/2"	1"
26"	26"	4"	6"	35" x 12" x 1/2"	2 1/2"	1"
30"	30"	4"	6"	38" x 12" x 1/2"	2 1/2"	1"
32"	32"	4"	6"	40" x 12" x 1/2"	2 1/2"	1"
36"	36"	4"	6"	44" x 12" x 1/2"	2 1/2"	1"

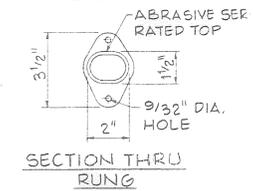
AS MANUFACTURED BY ELCEN METAL PRODUCTS CO. OR EQUAL
PIPE SUPPORT DETAIL PS-4
 FEB. 1-84-884

PS-4



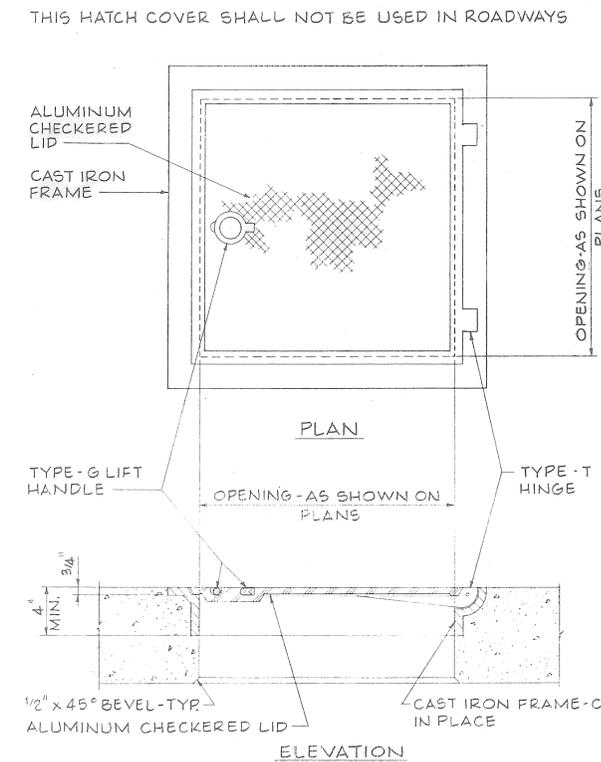
RUNGS SHALL BE AS MANUFACTURED BY SAFE-T-METAL CO. OR EQUAL & SHALL BE CONNECTED WITH 1/4" ALUM. BOLTS 7075-T73

FOR LADDERS 15'-0" OR GREATER INCLUDE SAFETY-RAIL



JULY 24-84-884 **TYPICAL LADDER DETAIL**

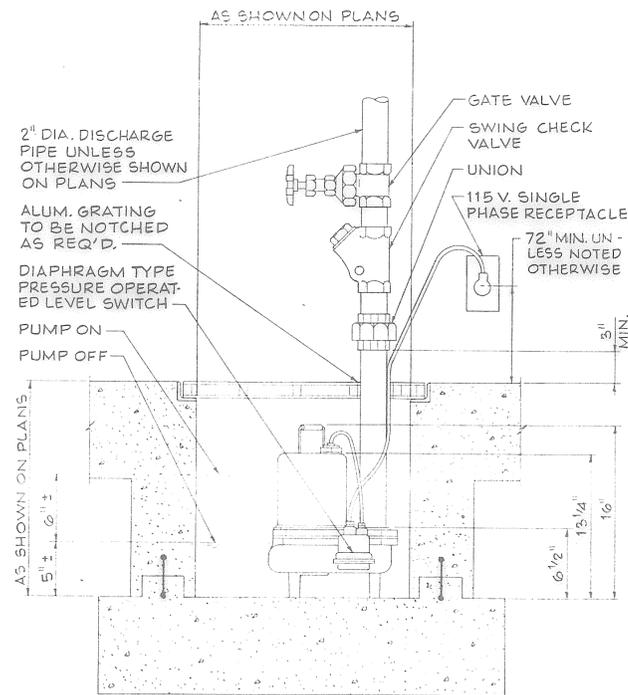
MM-12



AS MANUFACTURED BY NEENAH FDY. CO. - SERIES R-6600-1 OR EQUAL
ACCESS HATCH COVER DETAIL

FEB. 1-84-884

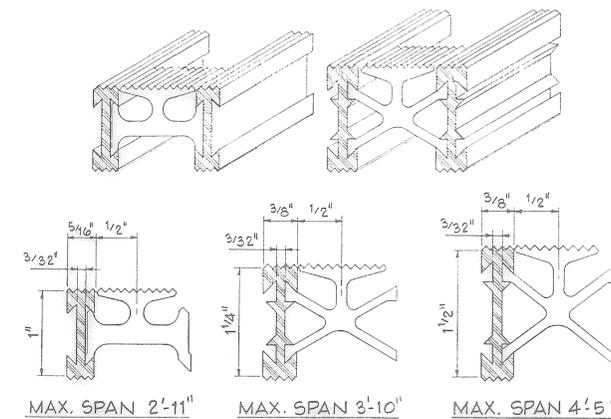
MM-1



SEE PLANS FOR REINFORCING
SUMP PUMP DETAIL

FEB. 1-84-884

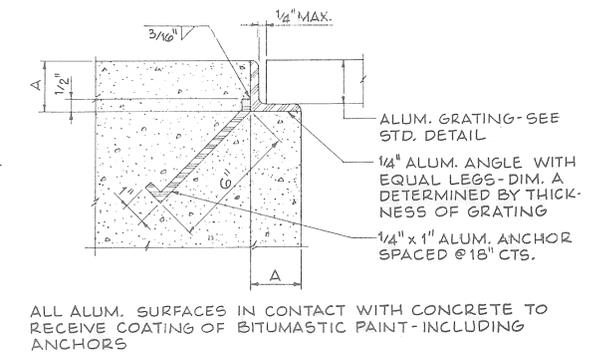
PL-1



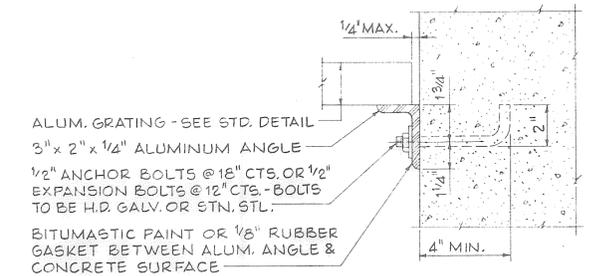
AS MANUFACTURED BY F.B. LEOPOLD CO., INC. OR EQUAL

FEB. 1-84-884

MM-9



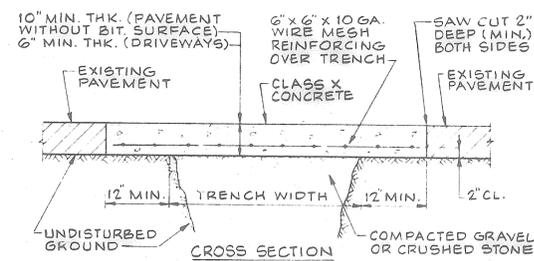
ALL ALUM. SURFACES IN CONTACT WITH CONCRETE TO RECEIVE COATING OF BITUMASTIC PAINT - INCLUDING ANCHORS



TYPICAL GRATING SUPPORTS AT CONCRETE

FEB. 1-84-884

MM-7



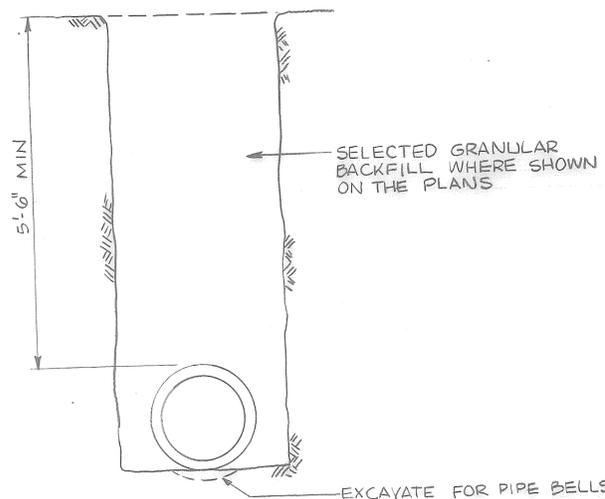
EXISTING		REPLACEMENT	
BASE	SURFACE	BASE	SURFACE
BRICK, CONCRETE, B.A.M., ETC.	BITUMINOUS CONCRETE	6" MINIMUM REINFORCED CONCRETE	*PRIME & 3" MIN. OF BITUM. CONC. CLASS I
GRAVEL OR CRUSHED STONE	BITUMINOUS PLANT MIX OR BIT SURFACE TREATMENT	10" COMPACTED CRUSHED STONE C&G OR CA10	PRIME PLUS 3" SURFACE PLANT MIX CLASS B

* WHERE DRIVEWAY OR PAVEMENT IS CONCRETE WITHOUT BITUMINOUS SURFACE, REPLACE AS SHOWN IN SECTION AND OMIT 3" BITUMINOUS SURFACE MATERIAL.

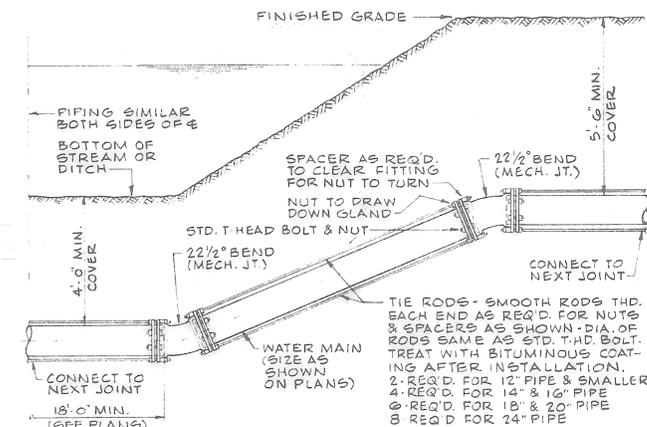
NOTE - ALL CROSSINGS, INCLUDING TUNNELS WHEN PERMITTED, UNDER OR ACROSS PAVEMENTS AND DRIVEWAYS SHALL BE BACKFILLED WITH SELECTED GRANULAR BACKFILL. COST OF BACKFILL AND PAVEMENT OR DRIVEWAY REMOVAL AND REPLACEMENT SHALL BE INCIDENTAL TO UNIT PRICE BID FOR PIPING AND APPURTENANCES.

PAVEMENT OR DRIVEWAY REPLACEMENT

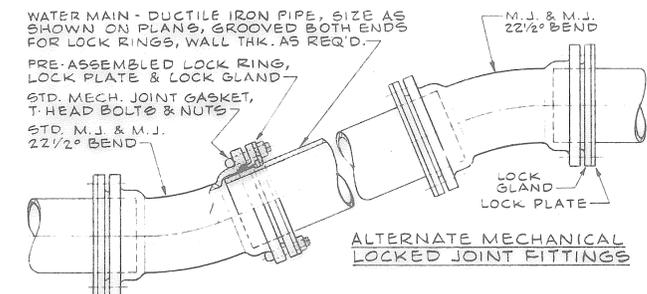
PV-1



EXCAVATION AND BACKFILL



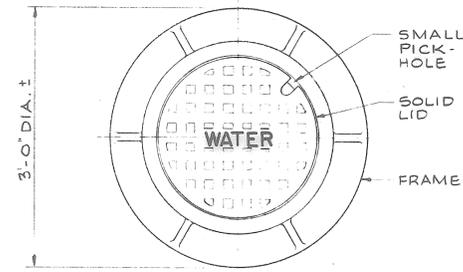
SECTIONAL ELEVATION



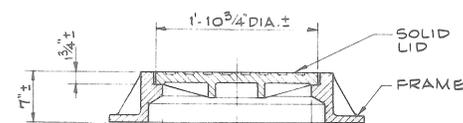
ALTERNATE MECHANICAL LOCKED JOINT FITTINGS

TYPICAL STREAM OR DITCH CROSSING

WM-17



PLAN

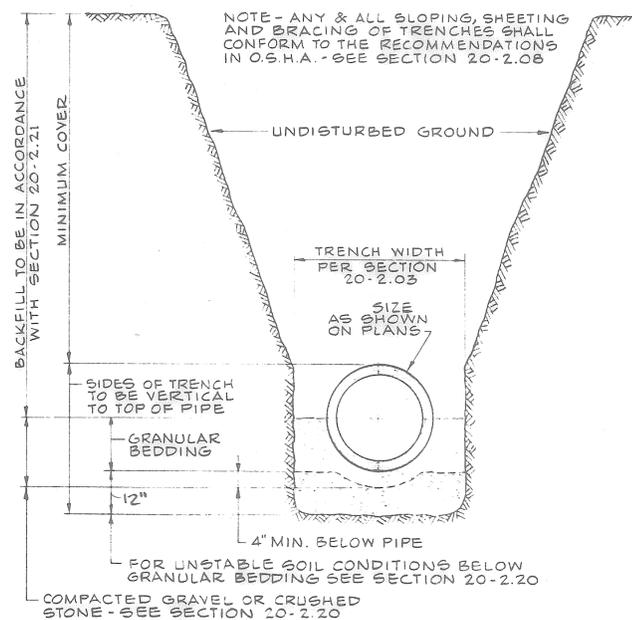


SECTION

NEENAH FOUNDRY CO. CAT. NO. R-1077-A WITH TYPE B SOLID LID, EAST JORDAN IRON WORKS CAT. NO. 1020 WITH TYPE A STD. LID, OR EQUAL WEIGHT 325 LBS. ±

MANHOLE FRAME & SOLID LID

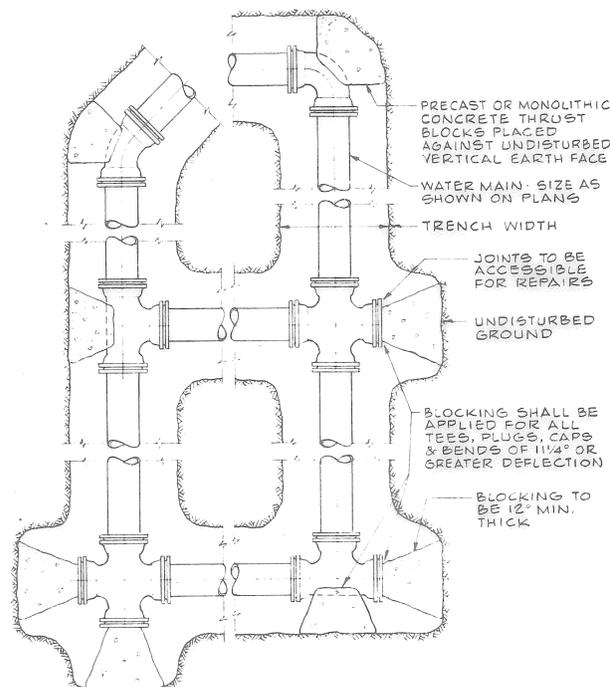
WM-7



CROSS SECTION

EXCAVATION AND BACKFILL FOR UNSTABLE GROUND CONDITIONS

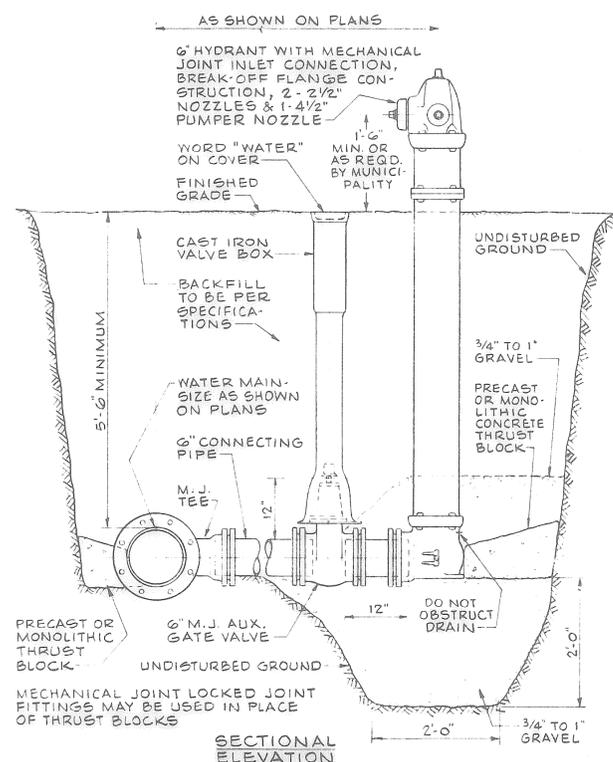
EX-1



PLAN VIEWS

TYPICAL WATER MAIN THRUST BLOCK INSTALLATION

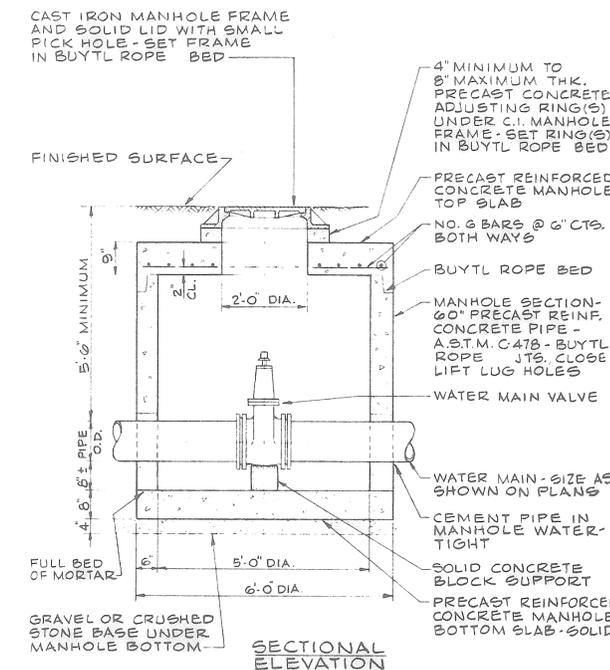
WM-20



SECTIONAL ELEVATION

TYPICAL FIRE HYDRANT INSTALLATION

WM-3



SECTIONAL ELEVATION

TYPICAL FOR 10" & 12" WATER MAIN WATER VALVE MANHOLE TYPE-B

WM-2



WALTER E. DEUCHLER ASSOCIATES, INC.

Consulting Engineers - Aurora, Illinois

REVISIONS 1- 12/22/86-MM REV. EX-1, ADDED DETAIL "EXCAVATION AND BACKFILL"

DESIGNED MGM DRAWN GWR APPROVED DATE BOOK 703 SCALE JOB NUMBER 0536001

1987 - WATER MAIN AND ELEVATED TANK VILLAGE OF OSWEGO, ILLINOIS

DETAILS

SHEET

19

OF 19