



**PROJECT NO. 10101**

**CONTRACT SPECIFICATIONS  
FOR THE LAYING OF  
WATER MAIN,  
AND APPURTENANCES**

**S. 13<sup>th</sup> STREET WATER MAIN AND HYDRANT RELOCATION**

**OAK CREEK WATER AND SEWER UTILITY**

**May 20, 2010**

**170 W. Drexel Avenue  
Oak Creek, WI 53154**

**Telephone: (414) 570 - 8200  
[www.water.oak-creek.wi.us](http://www.water.oak-creek.wi.us)**

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Project Design

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**NOTICE  
TO  
BIDDERS**

**NOTICE TO BIDDERS**

**OWNER**                    The Oak Creek Water & Sewer Utility hereby gives notice that sealed proposals will be received in the Utility's office at 170 W. Drexel Avenue, Oak Creek, Wisconsin, 53154.

**PROJECT**                 The work, officially known as Project No. 10101, S. 13<sup>th</sup> STREET WATER MAIN AND HYDRANT RELOCATION, consists of constructing the following approximate quantities:

<b>ITEM DESCRIPTION</b>	<b>QUANTITY</b>
12" Water Main Offset	1 LS
6" Hydrant Lead	64.5 LF
6" 45° Bend	2 EA
Remove Hydrant	11 EA
Install Hydrant	4 EA
Replace Hydrant	6 EA

**TIME**                     Proposals must be received by the office of the Utility, 170 W. Drexel Avenue, no later than 9 a.m., June 4, 2010, at which time and place the proposals will be publicly opened and read aloud.

**CONTRACT DOCUMENTS**       Plans, specifications, and bidding documents may be obtained at the Utility office 170 W. Drexel Avenue, Oak Creek, WI 53154. A non-refundable fee of \$20.00 will be required for each set of Bidding Documents payable to the Oak Creek Water and Sewer Utility. Mail requests for Bidding Documents shall require an additional amount of \$5.00 to cover the costs of postage and handling. Monies for the bidding documents and postage and handling are not refundable. These documents are also available for download free at the Utility's web site: [www.water.oak-creek.wi.us](http://www.water.oak-creek.wi.us) under the public contracts section.

**STATUTORY PROVISIONS**       The Contract letting shall be subject to the provisions of Section 62.15, 66.0901, 66.0903, and 779.16 Wisconsin Statutes. The minimum wage scale to be paid on this project shall be in accordance with the prevailing minimum wage as determined by federal or state law, whichever applies, and such wage is incorporated by reference, as it may be amended from time to time. If the United States Department of Housing and Urban Development or State of Wisconsin, Department of Workforce Development has issued a wage rate determination, then it shall apply.

**BID GUARANTEE**             A certified check or bank draft payable to the Oak Creek Water & Sewer Utility, or a satisfactory bid bond, in an amount not less than 5% of the bid shall accompany each bid as a guarantee that if the bid is accepted, the bidder will execute and file the proposed

contract and bond within 10 days after the award of the contract. In case the bidder fails to file such contract and bond within the time set by the Utility, the check or bid bond shall be forfeited to the Utility as liquidated damages pursuant to SS.62.15(3).

EQUAL  
OPPORTUNITY

The Oak Creek Water & Sewer Utility hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the ground of race, color, sex, or national origin in consideration for an award.

BID REJECTION

The Oak Creek Water & Sewer Utility Commission reserves the right to reject any and all bids, waive any informalities in bidding, or to accept the bid or bids, which best serves the interest of the Utility.

BID  
WITHDRAWAL

No bid shall be withdrawn for a period of 30 days after the scheduled opening of the bids without the consent of the Oak Creek Water & Sewer Utility Commission.

BIDDING  
DOCUMENTS  
AVAILABILITY

Plans, specifications and bidding documents shall be available on May 20, 2010.

**INSTRUCTIONS  
TO  
BIDDERS**

## **INSTRUCTIONS TO BIDDERS**

### **1. Proposal Forms**

No bid will be considered which is not submitted on forms furnished by the Utility Engineer.

### **2. Quantities**

The estimated quantities of the work are the result of careful calculations but are considered approximate. The quantity shown will be used as a basis for determining the lowest bidder. After the contract is awarded, the quantity of work listed under any item, or all items, may be increased or decreased according to the specifications at the discretion of the Utility Engineer, without invalidating the bid price.

The general description of bid items is provided to give bidders a brief description of the work covered under this contract, but is not meant to be all inclusive of the work and materials required to complete each item. All miscellaneous items required by the plans and specifications, although not expressly listed on the bid form, are assumed to be included on the unit prices of each general bid item. Bids will be compared on the basis of the quantities listed in the Bidding Schedule. Payment on the contract will be based on the actual, field-measured units installed.

### **3. Prior Examination of Contract Documents and Worksite**

Bidders shall inform themselves of the conditions under which work is to be performed by examining the contract documents, site, ground conditions and obstacles to be encountered in the field, and by such other means necessary. After proposal submittal, the Utility will not accept a claim that there was any misunderstanding as to the quantities, conditions, nature of the work, or extra compensation for items the Contractor failed to inform himself of prior to bidding.

### **4. Inadequacies and Omissions**

Any verbal information obtained from or statement made by representatives of the Utility at the time of the examination of the contract documents or the site for the purpose of bidding, which apparently corrects or in any way amends the contract documents shall be invalid. The Oak Creek Water and Sewer Utility will not be responsible for such verbal information or statements.

Bidders shall bring any inadequacies, omissions, or conflicts to the Utility Engineer's attention at least seven days before the due date of bids. Prompt clarification will be immediately supplied to all bidders by addenda, and each addendum shall be acknowledged on the proposal form. Failure to so request clarification of any inadequacy, omission or conflict will not relieve the contractor



of responsibility. The signing of the contract will be considered as implicitly denoting that the contractor has a thorough comprehension of the full intent and scope of the specifications and drawings.

## **5. Subcontractors**

Bidders shall be required to submit a list of subcontractors with their proposal in accordance with Section 66.0901(7), Wisconsin Statutes.

This list of subcontractors shall not be added to nor altered without the written consent of the Utility Engineer. The Utility Engineer may reject proposals if the list of subcontractors and the class of work to be performed is omitted. The omission shall be considered inadvertent or a representation that the bidder will perform the work himself. If such an omission is inadvertent, the bidder shall provide the list of subcontractors within two working days from the date and time of the bid opening.

## **6. Time of Performance**

When not otherwise specified, the bidder must state in the proposal the least number of calendar days (including Saturdays, Sundays and holidays) after the date to commence work given in the Notice to Proceed, in which he will start construction and the number of calendar days (including Saturdays, Sundays and holidays) after date to commence work given in the Notice to Proceed in which he will fully complete the work as specified.

In stating time, the bidder should make due allowance for all probable difficulties which may be encountered.

In the event of failure to complete the work within the time stated or otherwise specified, liquidated damages will be assessed as provided in the specifications.

## **7. Proposal Guaranty**

The Oak Creek Water and Sewer Utility requires either a bid bond or a certified check of at least 5% of the bid.

## **8. Requirements for Signing Proposals**

- A. The full name and business address of each bidder must be entered on the proposal submitted. The proposal shall be signed in the space provided by written signature of the person or persons properly authorized to sign it.
- B. A proposal submitted by an individual shall be signed by the bidder or by an authorized agent.

- C. A proposal submitted by a firm or partnership shall be signed by a member or by an authorized agent; if by joint adventurers, the proposal shall be signed by each of their authorized agent(s).
- D. Proposals which are signed by an attorney-in-fact for individuals, firms, partnerships or joint adventurers shall have attached a power-of-attorney evidencing authority to sign the bid.
- E. A proposal submitted by a corporation shall be signed by an authorized officer or agent of such corporation. Such corporation must be licensed to do business in the State of Wisconsin before a proposal to do the work can be received. If a foreign corporation, the state under which it is incorporated must be named.

**9. Submission of Proposal**

The proposal and the proposal guaranty shall be placed in an envelope or in separate envelopes and shall be sealed. On the envelope or envelopes shall be plainly written the PROJECT NUMBER, DATE OF OPENING BIDS, NAME OF BIDDER, AND THE TYPE AND LOCATION OF THE WORK. Such envelope(s) shall be addressed and delivered to the office of the office of the Utility before the time specified in the Notice to Bidders for opening bids.

**10. Withdrawal of Proposal**

A bidder may withdraw a proposal, provided the Utility Engineer receives a written request prior to the deadline for accepting proposals. The proposal will be returned to the bidder unopened.

**11. Bid Prices**

Bidders must submit a bid price, in accordance with the specifications, for each item of the job or branch, in compliance with the bidding units specified for the quantities listed in the proposal. Bid prices must be written out in words and also entered in figures. In case of variation, the written prices will prevail.

**12. Double Bidding**

Two proposals under different names will not be accepted from one firm or association.

**13. Disqualifying of Bid Proposal**

A bid proposal will be disqualified because of gross errors in computation which cannot be resolved by mathematical correction without resorting to information not contained in the bid.

Errors in extension may be corrected providing that the unit cost is legible and can be definitely identified as complying with item specifications. The total bid shall be adjusted in accordance with approved extension corrections. An extension may not be divided by number of units specified to determine a unit cost if such is omitted by the bidder. It is the responsibility of the bidder to submit a neat, accurate and complete proposal if his bid is to be accepted.

#### **14. Right to Accept or Reject Bids**

The Utility reserves the unqualified right to reject any or all bids at its sole and absolute discretion, or to reject any or all bids where the Utility Engineer has determined that the contractor or bidder has unbalanced his bid and unit prices. The Utility further reserves the unqualified right to waive any irregularities in any bid, or to accept any bid which will best serve the interests of the Utility. The Utility also reserves the unrestricted privilege to reject any unit prices for additions to or deductions from the scheduled amount of work as given in the bid, if the same are considered excessive or unreasonable, or to accept any or all such unit prices which may be considered fair and reasonable.

The bid openings are open to the public, and no awards will be made immediately upon opening bids nor until the bids opened can be compared, scheduled, and reviewed by the Utility Commission. The contract shall be awarded by Utility Commission action and the bidder to whom the award is made will be notified at the earliest possible date.

#### **15. Performance Guaranty**

The performance of the contract must be assured by a surety bond executed by the successful bidder in the full amount of the contract. Such bond must also be executed by a surety company.

#### **16. Contract Execution**

Within ten days from the date of receipt of the contract forms from the Utility Attorney, the successful bidder shall sign four copies of the contract form, attach the performance guarantee of the approved licensed surety, and deliver to the office of the Utility. The contract, when signed by the Utility, and approved as to form and execution by the City Attorney, shall be a part of the contract documents. When all parties have signed the contract, the Utility will refund the proposal deposit to the successful bidder.

In case of failure to have delivered such properly executed copies of the contract within ten days, or such extension as the Utility Commission only may deem reasonable, bidder will be considered as having abandoned his proposal. Bidder will be considered in default to the Utility to the full amount of the bid deposit. It will be understood and agreed by the party submitting the proposal that such bid deposit represents the damages to which the Utility will be subjected by reason

of the bidder's default in acceptance of contract, or failure to either properly execute the contract forms or deliver within the specified time of such extension.

**17. Starting Work Before Notification**

No work shall be performed under the contract and no materials or equipment shall be delivered to the site of the work prior to the date in the Utility Engineer's written Notice to Proceed.

**18. Refund of Bid Deposit to Unsuccessful Bidders**

The bid deposit of all except the two lowest bidders will be refunded after the Utility Commission has determined the lowest responsible bidder. The remaining bid deposit will be refunded upon execution of the contract.

**BID  
PROPOSAL**

June 8, 2010

To: The Oak Creek Water & Sewer Utility Commission

Re: Bid Proposal

In conformity with the notice to bidders, the undersigned bidder, having examined the site of the work and the contract, submits the following proposal for furnishing the material, equipment, labor and everything necessary for the completion of the work listed hereunder, and agrees to execute the proposed contract and furnish the required bond for the completion of said work, at the locations and for the prices set forth in the attached Schedules One and Two.

The undersigned bidder deposits herewith a certified check payable to the order of the Oak Creek Water and Sewer Utility, or an approved bid bond, in the sum designated in said notice, and hereby agrees that in the event the undersigned bidder shall fail to execute the contract with surety bond thereto and return the same to the Utility within ten calendar days after transmittal by the Utility, then said certified check shall be retained by and become the property of the Oak Creek Water & Sewer Utility as fixed and liquidated damages or the penalty as provided by said bond shall be recovered as liquidated damages.

It is further understood that construction on this contract shall commence and be completed as specified in the Detail Specifications.

This proposal submitted by:

\_\_\_\_\_  
Bidder Address

\_\_\_\_\_  
Phone City, State, Zip Code

Operating as: Sole Trader \_\_\_\_\_ Partnership \_\_\_\_\_ Corporation \_\_\_\_\_

Under the laws of the State of \_\_\_\_\_

By: \_\_\_\_\_ (Signature)

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

ADDENDUM RECEIPT: We acknowledge the receipt of Addenda \_\_\_\_\_ inclusive.

**SWORN STATEMENT OF BIDDER**

**PURSUANT TO SECTION 66.0901 (7) WISCONSIN STATUTES**

I, being duly sworn at \_\_\_\_\_ (City),  
\_\_\_\_\_ (State), on oath, do hereby state on behalf of said bidder  
that I have examined and carefully prepared this proposal from the plans, specifications, the work  
site including surface and underground conditions, and other contract documents and have  
checked the same in detail before submitting this proposal; and that this sworn statement is  
hereby made an integral part of this proposal.

By: \_\_\_\_\_  
(Signature)

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

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_

Notary Public, \_\_\_\_\_ County

State of \_\_\_\_\_

My commission expires: \_\_\_\_\_

Affix corporate seal below.

|

**INFORMATION ON SURETY *(please fill out completely)***

Firm \_\_\_\_\_

Address, City, State, Zip Code \_\_\_\_\_

Attorney-in-fact \_\_\_\_\_

Address, City, State, Zip Code \_\_\_\_\_

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**INFORMATION ON SUBCONTRACTORS**

The undersigned bidder will employ, subject to the approval of the said owner, the following subcontractors. This list shall not be added to nor altered without the written consent of the owner. A bid shall not be invalid if the list of subcontractors and the class of work to be performed has been omitted. The omission shall be considered inadvertent or a representation that the bidder will perform the work himself. If such an omission is inadvertent, the bidder shall provide the list of subcontractors within two working days from the date and time of the bid opening.

<u>NAME</u>	<u>ADDRESS</u>	<u>CLASS OF WORK</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



## LIST OF DRAWINGS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
10101-C-1902A	Proposed Water Main Modifications Cover Sheet
10101-1C-1902	Proposed Water Main Relay In: S. 13 <sup>th</sup> Street CTH V From: 50' S of W. Northbranch Dr. To: 300' S. of W. College Ave.
10101-2C-1903	Proposed Hydrant Relocations In: S. 13 <sup>th</sup> Street CTH V 73612 - 145' N. of W. Rawson Ave. 73601 - 50' S. of W. Northbranch Dr. 73618 - 325' N. of W. Northbranch Dr. 73519 - 645' S. of W. Anderson Ct.
10101-3C-1904	Proposed Hydrant Relocations In: S. 13 <sup>th</sup> Street CTH V 73518 - 325' S. of W. Anderson Ct. 71719 - 455' N. of W. Anderson Ct. 71718 - S. 13 <sup>th</sup> St. and W. Pelton Dr.
10101-4C-1905	Proposed Hydrant Relocations In: S. 13 <sup>th</sup> Street CTH V 71717 - 390' N. of W. Pelton Dr. 71716 - 785' N. of W. Pelton Dr. 71715 - 700' S. of W. College Ave.

Plan sheets located at end of specifications

Schedule Two

Item No.	Item Description	Bid Quantity	Units	Unit Price	Total Price
1	12" PVC Water Main Offset Unit price per lump sum _____ dollars & _____ cents .	1	LS		
2	6" Hydrant Lead Unit price per lineal foot _____ dollars & _____ cents .	64.5	LF		
3	6" 45° Bend Unit price per each. _____ dollars & _____ cents .	2	EA		
4	Remove Hydrant, Unit price per each. _____ dollars & _____ cents .	11	EA		
5	Install Hydrant Unit price per each. _____ dollars & _____ cents .	4	EA		
6	Replace Hydrant Unit price per lump sum. _____ dollars & _____ cents .	6	LS		

BASE BID TOTAL ITEMS 1 - 6 INCLUSIVE \$ \_\_\_\_\_

**DETAIL  
SPECIFICATIONS**

## DETAIL SPECIFICATIONS

### I. GENERAL

#### A. INTRODUCTION

These specifications govern the construction of water main, in the City of Oak Creek in the locations as shown on the plans.

All work performed and all materials supplied under this contract shall conform to the Contract Documents and to all specifications, codes, and ordinances either referred to or established by law.

#### B. APPLICABLE SPECIFICATIONS

The following specifications shall be applicable to all construction under this project:

1. General Specifications of the Department of Engineering, City of Oak Creek, hereinafter referred to as the General Specifications in these Detail Specifications.
2. Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition, with addendums hereinafter referred to as the Standard Specifications in these Detail Specifications.
3. Highway and Structure Construction - Std. Specs. Dept. of Trans., Division of Highways, State of Wis., current edition and supplemental specifications hereinafter referred to as the State Specifications in these Detail Specifications.
4. These Detail Specifications.
5. The Construction Plans.
6. Manual on Uniform Traffic Control Devices, current edition.
7. City of Oak Creek Engineering Design Manual, current edition.

Copies of the aforementioned General, Standard and State Specifications are on file at the Engineering Department of the City of Oak Creek for use and reference on the premises by prospective bidders and by the Contractor.

The Detail Specifications and the construction plans cover items, corrections, deletions or additions to the applicable contract specifications and take precedence over those other parts of these specifications that may be in conflict herewith.

Any conflict between the various specifications and the construction plans shall be brought to the attention of the Utility Engineer by the bidders and/or the Contractor. Where such conflict may exist, the Utility Engineer shall have the sole authority to exercise a decision as to the meaning of the bidding and contract documents.

Reference shall also be made to the Instructions to Bidders of the bid and contract documents.

## C. CONTROL OF CONSTRUCTION OPERATIONS

### 1. Scheduling Work

The Contractor will not be permitted to start new phases of the project until previously started phases are fully completed or continuous work, in the opinion of the Utility Engineer, is being done to fully complete the previously started phases. However, the Contractor may with the approval of the Utility Engineer, start a second crew with a second foreman on other portions of the project. (Refer also to Sections 1.2.2 and 1.3.21 (Pages 1-10 and 1-21, respectively) of the Standard Specifications).

At any time during the execution of the contract that the Contractor either suspends or returns to work, he must notify the Utility Engineer of his intentions at least three working days in advance of said suspension or return to work.

### 2. Maintenance of Public Safety and Convenience

The Contractor shall provide for the placing of necessary detour signs, barricades, warning lights, and warning and informational signs to provide for the safety and convenience of the public prior to starting of any of the work per the State Manual on Uniform Traffic Control Devices. Adjustment to the traffic control devices shall be included and performed by the contractor as called for by the progression of work. Necessary traffic control adjustments shall be in place prior to proceeding with work that could impact the safety of the general public as determined by the Utility Engineer.

All such devices shall comply with the Federal Manual on Uniform Traffic Control Devices.

### 3. Access to Properties

The Contractor shall provide for access to the properties abutting the work site area in accordance with Section 1.7.7 (Page 1-33) of the Standard Specifications. In addition, the operations shall be conducted in such a manner that 1) all streets at all times shall be maintained with at least one lane of roadway open for fire and residential vehicular access. Driveway access shall be maintained at all times. Affected property owners shall be notified at least 24 hours in advance of any driveway closures. All abutting properties shall be provided with vehicular access overnight, on weekends

and on holidays.

4. Haul Roads and Storage Areas

The Contractor shall be required to submit a plan indicating his intended location of haul roads and storage areas for equipment and materials. Such plan shall be presented at the pre-construction meeting and shall be subject to the approval of the Utility Engineer. Any subsequent proposed changes to the approved plan shall be submitted to the Utility Engineer for approval prior to implementation of the change. Construction traffic shall be permitted on pre-approved areas. All areas used for haul roads and storage shall be subject to restoration by the Contractor to the condition prior to the start of work under this contract.

**II. NOTICES AND PERMITS**

**A. GENERAL UTILITY NOTIFICATION**

Please note: Section 66.0831 of Wisconsin Statutes makes it mandatory that:

"66.0831 Interference with public service structure. A contractor with a contract for work upon, over, along or under a public street or highway may not interfere with, destroy or disturb the structures of a public utility, including a telecommunications carrier as defined in s. 196.01 (8m), encountered in the performance of the work in a manner that interrupts, impairs or affects the public service for which the structures may be used, without first obtaining written authority from the commissioner of public works or other appropriate authority. A public utility, if given reasonable notice by the contractor of the need for temporary protection of, or a temporary change in, the utility's structures, determined by the commissioner of public works or other appropriate authority to be reasonably necessary to enable the work, shall temporarily protect or change its structures located upon, over, along or under the surface of a public street or highway. The contractor shall pay or assure to the public utility the reasonable cost of the temporary structure or change, unless the public utility is otherwise liable. If work is done by or for the state or by or for any county, city, village, town sanitary district, metropolitan sewerage district created under ss. 200.01 to 200.15 or 200.21 to 200.65 or town, the cost of the temporary protection or temporary change shall be borne by the public utility."

The Contractor shall refer to Chapter 1.2.0 (Pages 1-9) of the Standard Specifications, in regard to necessary notices and permits required. These provisions shall be strictly adhered to at the start of any part of the project. In particular, the following requirements shall apply.

B. NOTIFICATION TO WE ENERGIES (Electric and Gas Utility)

In accordance with the provisions of the Wisconsin State Statutes, with regard to the maintenance of a certain clearance from energized conductors and with regard to notification where work might affect public utility facilities, it is the requirement herein that the Contractor shall be responsible for and duty-bound to notify the We Energies in writing in advance of work to be done near electric or gas facilities. Such notice shall be directed to:

Gerald Witherspoon  
We Energies – Electric Operations  
4800 W. Rawson Avenue  
Franklin, WI 53132  
Phone: (414) 423-5000

Emergency or additional notification, if any is required during construction, shall be done by contacting their office at 221-3700.

We Energies - Gas Operations  
4800 W. Rawson Avenue  
Franklin, WI 53132  
Phone: (414) 423-5062

C. NOTIFICATION TO AT&T

The Contractor shall notify the communication utilities that have facilities located within the project limits of his construction schedule as it affects said each company as prescribed by the Wisconsin State Statutes.

Such notice, shall be directed to the following Utilities:

Mark Eder  
AT&T  
Cable Location Plant  
435 S. 95th Street  
Milwaukee, WI 53214  
Phone: (262) 896-7434

D. NOTIFICATION TO TIME WARNER CABLE

The Contractor shall notify Time Warner Cable of his construction schedule as it affects said cable communications company as prescribed by the Wisconsin State Statutes. Notice shall be directed to:

Time Warner Cable  
5475 West Abbott Avenue  
Greenfield, WI 53220

Additional notification, if any is required during construction, shall be done by contacting their office by phone at 414/277-4280.

E. NOTIFICATION TO CITY'S STREET, FIRE, & POLICE DEPARTMENTS, & OAK CREEK WATER & SEWER UTILITY

Prior to starting construction within any street, three days' written notice shall be given to the following departments:

1. Street Department, 800 W. Puetz Road, (414) 768-6553
2. Fire Department, 7000 S. 6<sup>th</sup> Street, (414) 570-5630
3. Police Department, 301 W Ryan Road, (414) 768-8200
4. Oak Creek Public Schools, 7630 South 10<sup>th</sup> Street (414) 768-5880
5. Oak Creek Water & Sewer Utility, 170 W. Drexel Avenue, (414) 570-8210

F. NOTIFICATION TO MILWAUKEE COUNTY DEPARTMENT OF PARKS AND PUBLIC INFRASTRUCTURE, HIGHWAY MAINTENANCE DIVISION

The Contractor shall notify the Milwaukee County Department of Parks and Public Infrastructure, Highway Maintenance Division of his construction schedule as it affects said county facilities as prescribed by the Wisconsin State Statutes. Notice shall be directed to:

Milwaukee County Department of Parks and Public Infrastructure  
Highway maintenance Division  
10320 W. Watertown Plank Road  
Wauwatosa, WI 53226

Additional notification, if any is required during construction, shall be done by contacting their office by phone at (414) 257-6589.

G. NOTIFICATION TO MILWAUKEE COUNTY DEPARTMENT OF PARKS AND PUBLIC INFRASTRUCTURE, TRANSPORTATION DIVISION

The Contractor shall notify the Milwaukee County Department of Parks and Public Infrastructure, Transportation Division of his construction schedule as it affects said county facilities as prescribed by the Wisconsin State Statutes. Notice shall be directed to:

Milwaukee County Department of Parks and Public Infrastructure  
Transportation Division  
2711 W. Wells Street, Suite 300  
Milwaukee, WI 53208



Additional notification, if any is required during construction, shall be done by contacting their office by phone at (414) 278-4911.

#### H. NOTIFICATION TO MILWAUKEE COUNTY TRANSIT SYSTEM

The Contractor shall notify the Milwaukee County Transit System of his construction schedule as it affects said county facilities as prescribed by the Wisconsin State Statutes. Notice shall be directed to:

Milwaukee County Transit System  
1942 N. 17<sup>th</sup> Street  
Milwaukee, WI 53205

Additional notification, if any is required during construction, shall be done by contacting their office by phone at (414) 343-1764.

#### I. OAK CREEK WATER & SEWER UTILITY WATER USE PERMIT

The Contractor will be permitted to use the Utility water supply where available for incidental uses providing a permit is first obtained from the Oak Creek Water and Sewer Utility, 170 West Drexel Avenue, Oak Creek, Wisconsin. There will be no charge for this water use unless the amount is determined to be excessive as defined by the Utility Engineer. The included water will include water needed for filling, testing, and flushing of new water mains. If an invoice is issued and said bill is not paid by completion of the project, the amount of said bill will be deducted from the final contract payment.

#### J. WORK IN EASEMENTS

The work will be performed in an easement or by right-of-entry upon private lands. The requirements of Sections 1.7.13 and 1.7.14 (Pages 1-35 and 1-36) of the Standard Specifications and the special provisions of these specifications, if any, shall be adhered to.

The requirements of Section 1.7.14 of such Standard Specifications shall also apply to the public right-of-way between the pavement and the property line where the installation is in the public right-of-way or in an easement abutting public right-of-way.

### III. CONTRACTOR'S INSURANCE

#### A. GENERAL

The Contractor shall not commence work under this contract until he has obtained all insurance required under this paragraph and such insurance has been approved by the Utility and insurance certificates have been filed with the Utility, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved in accordance with Section 1.8.4 of the Standard Specifications and these Detail

Specification provisions.

B. COMPENSATION INSURANCE

The Contractor shall take out and maintain during the life of this contract, Worker's Compensation Insurance for all of his employees at the site of the project and in case any work is sublet, the Contractor shall require the Subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous work under this contract at the site of the project is not protected under the Worker's Compensation Statute, the Contractor shall provide and shall cause each Subcontractor to provide adequate insurance coverage for the protection of his employees not otherwise protected.

C. PUBLIC LIABILITY, PROPERTY DAMAGE, AND CONTRACTUAL LIABILITY INSURANCE

The Contractor shall take out and maintain during the life of this contract, public liability, property damage, and contractual liability insurance in the following minimum amounts:

Bodily Injury	\$1,000,000 per occurrence
	\$1,000,000 aggregate
Property Damage	\$500,000 per occurrence
	\$500,000 aggregate

These policies shall protect the Contractor and any Subcontractor performing work covered by this contract from the claims and damages for personal injury, including accidental death, as well as claims for property damage, which may arise from the performance of the work or under the hold-harmless and indemnifying clauses which are a part of this contract. The said policies are to cover not only the Contractor or Subcontractor but also any other directly or indirectly employed by either of them.

D. INSURANCE AGAINST THE FOLLOWING SPECIAL HAZARDS

The following respective amounts shall be procured by the Contractor or Subcontractor before the commencement of any operation by the Contractor, or the happening of any circumstance creating or tending to create the particular special hazard:

<u>Kind</u>	<u>Amount</u>
Operating of elevators or hoists.....	\$25,000.00
Use and operation of automobiles and truck.....	\$25,000.00
Structural alterations or demolitions .....	\$25,000.00
Undermining adjacent structures.....	\$10,000.00
Blasting operations .....	\$10,000.00
Operation of excavating machinery in streets and highways.....	\$10,000.00

Operation within other public or private right-of-way (including  
railroad right-of-way) ..... As Required

#### **IV. PERFORMANCE BOND AND GUARANTEE**

Where the contract is over \$10,000.00, the contractor will be required to furnish a satisfactory performance bond in the amount of 100% of the contract. The Contractor shall pay the total cost of this bond. Such bond shall be executed by an authorized surety company and shall remain in full force and effect for a period of one year after the final payment for the work to guarantee workmanship and materials. A performance bond shall not be required for public works contracts below \$10,000.00 regardless of bond requirement.

The Contractor shall agree and guarantee that the material and workmanship supplied by him shall be free from all defects, and strictly in accordance with the plans and specifications, at the time of its completion and acceptance by the municipality, and for a time of one year thereafter, the Contractor agrees to forthwith repair the same upon notification by the municipality using the same material required by these specifications. In case the Contractor shall fail to make such repairs or cause the same to be made, the Contractor agrees and guarantees to pay on demand the cost thereof, to said municipality upon the completion of such repairs, and the Contractor further agrees and guarantees to pay for all labor and material used in or about the construction of said work in his contract, which may become a lien or a claim against the municipality.

#### **V. METHOD OF PAYMENTS**

Payments will normally be made monthly throughout the progress of the work, provided the work completed is substantial enough in the opinion of the Utility Engineer.

Substantial completion of water main construction shall be considered to include all flushing and testing of the mains including pressure tests and safe water samples. Partial and final payments will not be made until such time that all work is substantially completed including testing and accepted by the approving agencies.

Such payments shall be in accord with Section 66.0901 (9) b, of the State Statutes which states that the City,

“(b) Retained percentages. As the work progresses under a contract involving \$1,000 or more for the construction, execution, repair, remodeling or improvement of a public work or building or for the furnishing of supplies or materials, regardless of whether proposals for the contract are required to be advertised by law, the municipality, from time to time, shall grant to the contractor an estimate of the amount and proportionate value of the work done, which entitles the contractor to receive the amount of the estimate, less the retainage, from the proper fund. The retainage shall be an amount equal to not more than 5% of the estimate until 50% of the work has been completed. At 50% completion, further partial payments shall be made in full to the contractor and no additional amounts may be retained unless the architect or engineer certifies that the job is not proceeding satisfactorily,

but amounts previously retained shall not be paid to the contractor. At 50% completion or any time after 50% completion when the progress of the work is not satisfactory, additional amounts may be retained but the total retainage may not be more than 10% of the value of the work completed.”

Final payment, including the retainer, shall be made at the final acceptance of the work. Compliance with the following portion of Section 66.0901(9)(b), shall be provided at the discretion of the Utility Engineer.

“Upon substantial completion of the work, an amount retained may be paid to the contractor. When the work has been substantially completed except for work which cannot be completed because of weather conditions, lack of materials or other reasons which in the judgment of the municipality are valid reasons for noncompletion, the municipality may make additional payments, retaining at all times an amount sufficient to cover the estimated cost of the work still to be completed or may pay out the entire amount retained and receive from the contractor guarantees in the form of a bond or other collateral sufficient to ensure completion of the job. For the purposes of this section, estimates may include any fabricated or manufactured materials and components specified, previously paid for by the contractor and delivered to the work or properly stored and suitable for incorporation in the work embraced in the contract. ”

## **VI. MATERIALS - GENERAL**

In accordance with Utility purchasing policy, the Contractor is requested to use American products in the performance of the contract whenever the quality and the price are comparable with other goods.

## **VII. MATERIALS FOR WATER MAINS**

### **A. SPECIFICATIONS FOR DUCTILE IRON WATER MAIN PIPE**

1. All Ductile Iron Pipe (DIP) water main to be used shall be CL 52 as specified herein and in Chapter 6.18.0 of the Standard Specifications.
2. Valves and cement-lined cast gray iron or cast ductile iron fittings as specified in Chapter 8.22.0 of the Standard Specifications, shall be furnished unless otherwise specified on the construction plans or herein the Detail Specifications. All fittings and valves shall have push-on joints unless otherwise specified on the construction plans or herein the Detail Specifications. All fittings shall be cement lined, identical to the lining of ductile iron pipe. The fittings shall conform to A.W.W.A., C110 or A.N.S.I., A21.10. The cement lining shall conform to A.W.W.A. C104 or A.N.S.I., A.21.4. An outside bituminous coating conforming to A.W.W.A. C151, but to a thickness of 2 to 4 mils average and 2 mils minimum, shall be provided, identical to the outside coating of ductile iron pipe.

3. Rubber gaskets shall be bundled in water repellent covering and packaged in a cardboard box or wooden crate. Bell lubricant shall be supplied by the manufacturer in vacuum sealed cans properly identified by label. Sufficient lubricant shall be supplied to effectively lubricate each joint.
4. Materials Tests on Pipe, Fittings and Valves - The manufacturer shall inspect all pipe and fittings and shall provide certified copies of complete test and inspection reports to the Utility Engineer, in accordance with the Standard Specifications, covering: description, hydrostatic tests, physical properties, chemical analysis and coating analysis.
5. An anchoring tee, Clow F-1221 (push-on joints on the run) or equal, with a roto-ring retainer gland shall be provided on the water main at all hydrant lead connections where is proposed to have the auxiliary hydrant valve connected directly to the main tee.
6. All water main, including all fittings and valve and curb boxes, shall be double wrapped with polyethylene. The polyethylene shall comply with the requirements of Chapter 8.21.0 of the Standard Specifications.
7. All water main pipe shall be 150 psi rated water working pressure. All fittings shall be 250 psi rated water working pressure. All gate valves shall be 200 psi rated water working pressure and all butterfly valves shall be 150 psi rated water working pressure.
8. Ductile iron water main inside casing pipe shall be push on joint with EBBA pipe joint restraint series 1700. Water main inside casing shall have a minimum of two separate wraps of polyethylene.
9. Casing spacers shall be installed where the water main is installed within the casing. The casing spacers shall have a non-metallic liner to isolate the water main from the casing. The spacer shall be a centered/restrained spacer and provide a minimum of 0.75 inches clearance between the greatest outside diameter of the water main and the inside diameter of the casing pipe. The casing spacer shall be attached to the water main within 12 inches on each side of the bell and at in the center of each pipe. The end spacer shall be within 12 inches of the end of the casing pipe. All casing spacers shall be installed in accordance with manufacturer's instructions.
10. After the water main has been installed inside the casing pipe, the casing pipe shall be filled with sand or flowable fill approved by the Engineer. The ends of the casing pipe shall be sealed with a 12-inch concrete bulkhead at each end of the casing.

#### B. SPECIFICATIONS FOR PVC WATER MAIN

1. All polyvinyl chloride (PVC) water pipe shall conform to the requirements of Chapter 8.20.0 of the Standard Specifications. Polyvinyl chloride pipe may be used only on water mains of 12" or smaller in size unless otherwise

specified on the construction plans or herein the Detail Specifications.

2. All pipe 8" and larger (if specifically allowed), shall be Class 150 with a standard dimension ratio of 18; all pipe 6" and smaller shall be Class 200 with a standard dimension ratio of 14.
3. All fittings shall conform to the requirements provided for under the Specifications for Ductile Iron Water Main Pipe of these Detail Specifications.
4. All polyvinyl chloride (PVC) water pipe supplied shall be manufactured by one of the following companies:
  - a. Cantex Industries (Division of Harsco Corp.)
  - b. H & W Industries, Inc.
  - c. J.M. Corporation
  - d. CAPCO
  - e. North Star
  - f. Sceptor

#### C. BUTTERFLY AND GATE VALVES

All butterfly valves (16" diameter and larger valves are to be butterfly valves) furnished shall be one of the following:

1. Clow
2. Dresser
3. Mueller
4. Pratt

All gate valves (3" through 12" diameter valves are to be gate valves) are to be the resilient wedge-type valve.

All resilient wedge-gate valves furnished shall be one of the following:

1. Clow - R.W.
2. Kennedy - R.W.
3. M & H - R.S.C.V.
4. Mueller - R.W.
5. Waterous - 500

All valves shall open counterclockwise.

#### D. VALVE BOX ADAPTORS

All valve boxes, both gate and butterfly, shall be set upon the valve with the use of an adaptor, as manufactured by Adaptor, Incorporated, or an approved equal. The adaptor shall be installed in lieu of hardwood blocking and shall be incidental to the valve and box installation.

E. MECHANICAL JOINTS

Wherever mechanical joints are to be installed, as specified, the bolts and nuts shall be Core-Blue, Durabolt or an approved equal and all fittings shall be triple polyethylene wrapped in accordance with the Standard Specifications.

F. HYDRANT ASSEMBLY

Hydrant and hydrant leads shall be installed in accordance with Section 4.8.5 of the Standard Specifications and WD-13. The pipe materials shall be either ductile iron or polyvinyl chloride in accordance with these Detail Specifications. All hydrant, hydrant extension and hydrant valve materials shall be furnished by the Contractor.

All hydrants shall be furnished with a 5-1/4" main valve, a 1-3/4" pentagon-shaped operating nut with two each of 2-1/2" and one each of a 4-1/2" National Standard Thread nozzles. All hydrants furnished and installed shall be one of the following:

1. Clow Model 2500
2. Kennedy Guardian K81A
3. Mueller Centurian

Hydrant Valves shall be a resilient wedge-gate valve meeting the requirements outlined above in Section E – Butterfly and gate valves.

G. COMPACT FITTINGS

Compact fittings in accordance with the Standard Specifications and AWWA/ANSI C-110/A21.10 are permitted.

H. BEDDING MATERIALS AND BACKFILL MATERIALS

All bedding and backfill materials used shall conform to Chapter 8.43.0 of the Standard Specifications. Backfill shall consist of mechanically compacted 3/4" graded crushed limestone (T.B.). The stone shall comply with the requirements of Section 8.43.7 and Table 39 of Standard Specifications. Mechanical compaction shall comply with the requirements of Section 2.6.14(b)(1), both of the Standard Specifications.

All water main shall have torpedo sand bedding and cover to 6" above the pipe. The sand shall comply with the requirements of Section 8.43.2(c).

I. TRACER WIRE

All water main shall include a 10 gauge solid, blue coated copper tracer wire to be taped to each pipe. Tape shall be securely fastened to main, hydrant leads and hydrants. Additionally, the tracer wire shall be looped from the main through a 4 foot piece of 2" PVC pipe at the hydrants. Splices shall be soldered and water proofed using shrink wrap or underground splice kit. Test station shall be an

adjustable height tracer wire access box manufactured by VALVCO, Inc. Test stations shall be plain-capped valve box top section with hardwood blocking installed as noted on the plans. Tracer wire ends at existing main shall be bonded to an 8' copper ground rod driven next to the pipe.

**IX. MATERIALS - GENERAL**

**A. CRUSHED STONE FOR ASPHALT BASE RESTORATION**

Crushed stone for restoration of the base for asphalt pavement shall comply with the requirements of 1-1/2" Graded Crushed Stone of Table 39 of Chapter 8.43.7 of the Standard Specifications and shall be a minimum of 12 inches in thickness.

**B. COMPOUNDS FOR ASPHALT PAVEMENT**

1. The asphalt pavement shall be WisDOT "Superpave" mix, Type E-3.
2. All binder course shall be constructed in conformance with gradation #2 of the State Specifications, Section 407.3.3.2. The asphaltic concrete pavement shall be type MV. The binder courses shall be nominal 19 mm and asphaltic cement with a performance graded designation of PG 58-28; one 4-inch lift.

Binder course may contain up to 35% reclaimed asphaltic pavement (RAP).

3. Asphaltic surface course shall be constructed in conformance with gradation #4 of the State Highway and Structure Construction Specifications Section 407.3.3.3, asphaltic concrete pavement type MV. The surface course shall be nominal 9.5 mm and asphaltic cement with a performance graded designation of PG 64-22; one 2-inch lift.

Surface course shall be 100% virgin material.

4. Asphalt delivered to the site shall arrive at a temperature of 275° plus or minus 25°. Any trucks not meeting this requirement shall be rejected.
5. Compounds for asphaltic pavement shall be provided in conformance with the following section of the State Specifications.

Materials for Asphaltic Mixtures and Surface Treatments .....	Section 401
Tack Coat .....	Section 402
Plant Mixed Asphaltic Surfaces and Pavements	
General Requirements .....	Section 405
Asphaltic Concrete Pavements .....	Section 407
General Requirements for Asphaltic Pavements.....	Section 450
Asphaltic Materials .....	Section 455
Hot Mix Asphalt Pavement .....	Section 460
Asphaltic Surface .....	Section 465



## C. CONCRETE FOR CONCRETE PAVEMENT RESTORATION

The materials provided under this contract shall conform to the Standard Specifications Governing Concrete Pavement Construction, City of Oak Creek, Department of Engineering, March 2004, in all respects except as follows:

1. Air Entrainment - Air entrainment shall be between 5 and 7% by volume when concrete is made with 6 sacks of cement per cubic yard of concrete, has a slump of 2" to 3", and is mixed as specified.
2. Air Entraining Cements and Admixtures - Type IA, IIIA, or I S A cements shall be used to provide air entrainment in the concrete. When authorized by the Utility Engineer, an approved air entraining agent may be added to mix to provide the specified air content.
3. Concrete Strength Requirements and Tests - The specified compressive strength of concrete shall be not less than 3,500 pounds per square inch when tested 28 days after placing. Continuous concrete quality and strength tests, in accordance with accepted methods, shall be performed by the City. Test cylinders shall be provided and all job tests performed by the City at no cost to the Contractor; however, the Contractor shall fully cooperate to provide the necessary concrete required for the tests.

Where high-early-strength concrete is specified, the compressive strength of the concrete shall be not less than 2,500 pounds per square inch when tested 3 days after placing.

Cylinders for strength tests shall be made in accordance with ASTM Method C31. Three cylinders shall be made for each test, and one test shall be made for each 100 cubic yards of concrete or fraction thereof placed on any day, and at least two tests shall be made for each portion of pavement constructed on a particular day.

Cylinder strength shall be determined in accordance with ASTM Method C39. One cylinder of each set shall be tested at seven days, and the other two cylinders of each shall be tested at 28 days.

## X. CONSTRUCTION DETAILS

### A. COMPLYING WITH SPECIFICATIONS

The Contractor shall comply with the specifications and ably perform all operations to the extent that the first-class work will be obtained. A representative of the Oak Creek Water & Sewer Utility will inspect the work as it progresses to determine full compliance with the specifications. The Inspector shall notify the Utility Engineer of any noncompliance and have authority to stop any work not being performed in accordance with the specifications, in order that an Engineer may investigate such noncompliance.

Any work performed after the work has been ordered stopped by the Inspector shall not be considered as work performed under the contract, and consequently will not be accepted by the Utility nor allowed in any monthly or final payment until corrected to the satisfaction of the Utility Engineer.

The "Standard Specifications for Sewer and Water Construction in Wisconsin", (herein referred to as The Standard Specifications), shall apply for all sewer and water main construction unless otherwise noted in these Detail Specifications or on the construction plans. The Highway and Structure Construction - Standard Specifications Department of Transportation, Division of Highways, State of Wisconsin and Supplemental Specifications (herein referred to as the State Specifications), shall apply for pavement restoration. The MUTCD and State Specifications shall apply to all traffic control.

B. LOCATION - STAKING

The line for each facility will be located as shown on the plan and will be staked out once by the City Engineering Department. If necessary to pass an existing obstruction, the Utility Engineer may shift the line to avoid such obstruction.

The Contractor must protect all stakes and benchmarks from disturbances until permission is given to remove them. Width of not less than 2' on each side of the line on which stakes are located shall be kept free from obstruction. Additional staking required due to damage or removal shall be at the Contractor's expense.

C. MATERIAL ENCOUNTERED

No variation from the price named in the proposal will be made or allowed whether the material through which excavations must be made are hard or soft, and wet or dry. It is the Contractor's responsibility to determine for himself the character, nature, type and condition of materials likely to be encountered in the proposed work. The submission of a proposal for the work herein shall in itself be accepted as evidence that the Contractor has examined the site of all work, made borings, investigations and studies of all conditions and provided for all such conditions in his proposal.

Any and all necessary dewatering shall be in accordance with Chapter 2.2.13 of the Standard Specifications.

Contractor is responsible to reconnect existing field tiles that may be encountered during excavation. Existing tiles must be repaired and connected to a storm sewer or have positive outfall provided.

D. EROSION CONTROL AND GROUND COVER

Pursuant to City of Oak Creek Code, construction activities are required to comply with erosion control and ground cover requirements. For public works construction, specifically, the following construction activity requirements are applicable.

1. Those involving grading, removal of protective ground cover or vegetation, excavation, landfilling or other land disturbing activity affecting a surface area of 4,000 square feet or more;
2. Those involving excavation or filling or a combination of excavation and filling affecting 400 cubic yards or more of dirt, sand or other excavation or fill material;
3. Those involving street, highway, road, or bridge construction, enlargement, relocation or reconstruction;
4. Those involving the laying, repairing, replacing or enlarging of an underground pipe facility for a distance of 300' or more.

To address the requirements, the Contractor shall provide for the implementation of the control measures as may be specified on the construction plans and in these Detail Specifications.

#### E. DISTRIBUTION OF EXCESS EXCAVATED MATERIAL

The disposal of all surplus excavated materials shall be the responsibility of the Contractor, shall be at the Contractor's expense and if disposed of within the limits of the City of Oak Creek, shall comply with the following regulations. The Contractor prior to the start of construction shall indicate the location at which the surplus excavated material will be disposed of.

The placement of fill on private lands located in the City of Oak Creek is under City regulation, in accordance with the Municipal Code. The disposal of surplus excavated materials, including that derived from public works construction, is subject to compliance with this code. Basically, the Code provides for only the following forms of landfilling:

1. When the fill comprises of less than 1,000 cubic yards and is to be placed on a parcel of land of one acre or less in size. An application shall be made to the City Engineer for a permit, on a one-time-only basis. A \$300.00 fee, plus an applicable erosion control permit and fee, is required.
2. Shoreline erosion control, whereby a license must be applied for and granted prior to landfilling activity being undertaken.
3. On a site, where fill may be needed in conjunction with building construction and where a building permit is in effect.
4. On City-owned property, subject to plans approved by the Common Council.
5. On a site where a landfill license is in effect.

F. WATER MAIN DETAIL DRAWINGS

The Detail Drawings included at the rear of the Detail Specifications, cover corrections, deletions or additions to the Standard Specifications and take precedence over such Standard Specifications and supplement these Detail Specifications.

G. DUCTILE IRON WATER PIPE

The laying of ductile iron water main shall comply with Part IV of the Standard Specifications, and the following requirements:

1. The pipe, with two layers of polyethylene wrap shall be laid with a torpedo sand bedding and cover in accordance with Section 4.3.3 and File No. 36 of the Standard Specifications.
2. Backfill for all pipe sizes shall be as specified above the 6" cover line.

H. POLYVINYL CHLORIDE WATER PIPE

The laying of PVC pipe shall be laid with a torpedo sand bedding and cover and comply with Part IV of the Standard Specifications and the following requirements:

1. Acceptable Procedure on Anchoring of Vertical Water Main Offsets where Polyvinyl Chloride Pipe is used shall comply with Chapter 4.9.0 and 4.10.0 and File No. 47A of the Standard Specifications.
2. Elimination of Vertical Offsets by the Use of Deflected Pipe - In lieu of the procedures outlined under subsection 10 above, the Contractor may elect to deflect the polyvinyl chloride pipe to provide the vertical location or alignment concept indicated on the construction plans. The use of this alternate must be approved by the Utility Engineer prior to installation, in particular as to clearance with other utilities, both existing and anticipated and as to compliance with maximum pipe deflection.

<u>Pipe Diameter</u>	<u>Maximum Deflection per 20' Length</u>
6"	8"
8"	6"
12"	4"

I. WATER MAIN - HYDROSTATIC TESTING

The Contractor shall provide for the testing of all new mains under the supervision of the Utility in accordance with Chapter 4.15.0 of the Standard Specifications and the following requirements:

1. Separate leakage tests on the entire length of new main and on valved sections thereof, may be required as determined by the Utility. The Utility's requirements on all new mains are a 150 psi pressure test for a duration of one hour and a 100 psi leakage test for a duration of two hours.

2. Where a new main will be connected to an existing main, it may be necessary for the Contractor to install a temporary plug in the new main for testing purposes. After the specified pressure and leakage tests have been completed on the new main, actual connection to the existing main shall be made. The section of new connecting main between the removed test plug and the existing main, shall be subject to line pressure prior to backfilling. Any visible defects observed in the connecting main shall immediately be repaired by the Contractor at his expense, prior to backfilling.
3. Costs of all testing including the installation and removal of temporary test plugs, shall be at the Contractor's expense.

J. WATER MAIN – PIPE DISINFECTING

Disinfection shall be in accordance with Section 4.3.12 of the Standard Specifications.

K. WATER SERVICE CONNECTIONS

All water service connections, including the tapping work, shall be performed by the Contractor.

L. NOTICE TO UTILITY

Contractor shall give a 48 hour written notice to the Utility before requesting a shut down of any existing water mains in order to make the connections.

**XI. RESTORATION IN THE WORK AREA**

A. GENERAL

The existing pavement structure of S. 13th Street (CTH V) consists of a 9-inch (non-reinforced concrete pavement) with a 3 to 5-inch HMA overlay. The existing pavement shall be sawcut full depth and removed prior to commencement of the utility installation.

Upon completion of the utility installation, the Contractor shall remove all debris, surplus materials, and return the surface of the street or right-of-way and all other places disturbed or affected by the work to a condition at least comparable to that existing before starting the work and shall maintain it in such condition until its final completion and acceptance. The restoration shall include seeding or sodding grass areas and graveling or pavement repair of streets and driveways. Final payment for any installation will not be made until this restoration has been completed and accepted.

Acceptance or approval of any excavation work by the City Engineer shall not prevent the City from asserting a claim against the Contractor and his surety under the surety bond required hereunder for incomplete or defective work if discovered

within 12 months from the acceptance of the completed work. The City Engineer's presence during the performance of any excavation work shall not relieve the Contractor of his responsibilities hereunder.

Cost of all restoration shall be included in the bid price for the water main installation. It shall be the duty of the Contractor to guarantee and maintain the site of the excavation for one year after restoring it to its original condition.

Included in the restoration shall be any damage to drainage ways due to discharge of trench waters. The Contractor is required to implement erosion control techniques.

#### B. ARTERIAL AND COLLECTOR STREETS

The Contractor shall provide at least a temporary bituminous resurfacing of all arterial or collector street pavement within two weeks of completion and backfill of sewer and/or water main that required the removal of all or part of such arterial or collector street pavement. The replacement of the pavement referred to above shall not be delayed due to any service lateral construction on the segment of sewer and/or water main in the arterial or collector street pavement area that the Contractor may have remaining after the two-week period elapses.

#### C. RESTORATION OF PAVED ROADWAY SURFACES

##### 1. Temporary Bituminous Pavement

The Contractor shall restore the surface of all streets, broken into or damaged as a result of the excavation work, to its original condition in accordance with the specifications. The Contractor may be required to place a temporary surface over openings made in paved traffic lanes. Except when the pavement is to be replaced before the opening of the cut to traffic, the fill above the bottom of the paving slab shall be made with suitable material well tamped into place and this fill shall be topped with a minimum of at least 4" of bituminous mixture which is suitable to maintain the opening in good condition until permanent restoration can be made. The crown of the temporary restorations shall not exceed one inch above the adjoining pavement. The Contractor shall exercise special care in making such restorations and must maintain such restorations in safe travelling condition until such time as permanent restorations are made. In the event it becomes necessary for City forces to provide emergency maintenance of the Contractor's trenches, the cost of such work shall be billed to the Contractor. The asphalt which is used shall be in accordance with the specifications. If in the judgment of the City Engineer, it is not expedient to replace the pavement over any cut or excavation made in the street upon completion of the work under contract by reason of the looseness of the earth or weather conditions he may direct the Contractor to lay a temporary pavement of suitable material designated by him over such cut or excavation and maintain it until such time as the repair of the original pavement may be properly made.

2. Permanent Pavement

a. General

Permanent restoration of the street shall be made by the Contractor in strict accordance with the specifications to restore the street to its original and proper condition, or as near as may be.

The trench consolidation and the pavement subgrade preparation shall be completed prior to the replacement of the permanent pavement in accordance with Chapter 2.7.3(a) and 2.7.3(b) (Page 61) of the Standard Specifications.

b. Concrete Pavement

All portland cement concrete replacement shall be made with monolithic pour of Class "A" air-entrained concrete, 9-bag mix to a thickness of at least equal to the original pavement but in no event less than 9" in thickness. Jointing compatible with the jointing in abutting undisturbed concrete pavement shall be provided. Concrete and tie bars shall be placed in accordance with the State Specifications and/or permit, and the cost of which shall be included in the water main bid item.

c. Asphalt Pavement

All asphalt pavement restoration shall consist of the following:

- 1) A 12" traffic bound base course installed in accordance with Section 304 (Pages 115-124) of the State Specifications, utilizing materials as specified in Section 8 of these Detail Specifications.
- 2) A 4" bituminous pavement consisting of a 2-1/2" binder course and a 1-1/2" wearing course placed on a primed base installed in accordance with Sections 401 (Pages 135-147) and 407 (Pages 168-177) of the State Specifications.
- 3) Driveways shall be 3" asphalt on 6" of T.B. limestone.

C. RESTORATION OF GRAVELED SURFACES

The Contractor shall be required to restore all graveled surfaces to a drivable condition, which were removed for the underground installation with traffic bound granular materials. Materials and installation shall conform to Section 304 of the State Specifications.

D. RESTORATION OF LAWNS

The contractor shall repair, reseed, resod and/or replanted all established lawns damaged during the course of construction to a condition equal to or better than the

condition at the commencement of his work in accordance with Type "C", Lawn Replacement of Chapter 2.7.4 of the Standard Specifications, as indicated on the construction plans or as directed by the Engineer. Mulching under Type "C" Replacement shall be in accordance with Section 627 of the State Specifications.

Replace cover by means of seeding with grass seed at the rate of not less than six pounds per thousand square feet on leveled topsoil.

#### E. UTILITY'S RIGHT TO RESTORE SURFACE

If the Contractor shall have failed to restore the surface to its specified condition upon the expiration of the time fixed by such contract or shall otherwise have failed to complete the excavation work covered by the contract, the Utility Engineer, if he deems it advisable, shall have the right to use Utility forces to do all the work necessary to restore the work area. The Contractor shall be liable for the actual cost thereof plus 25% for general overhead and administrative expenses. Compensation for the amount of such costs shall become due to the Utility and credit for such amount shall be applied against any funds that may be due to the Contractor. If final payment under the contract has already been made, the Contractor shall be directly billed for the amount due. As a last resort, the Utility will enforce compensation for costs it has incurred through collection from the Contractor's surety.

### XII. CLEAN-UP AND FINAL INSPECTION

The Contractor shall have thorough and systematic clean-up operations follow closely behind the construction work. He shall at his own expense, remove and properly dispose of all water, dirt, rubbish, or any other foreign substances. Any defects of any nature whatsoever shall be promptly corrected at his own expense. Notice to begin final cleaning and repairs if such is needed will be given by the Engineer and shall be complied with by the Contractor. The Engineer will make an inspection of the work during the progress of final cleaning and repairing and any work so inspected shall be kept clean by the Contractor until the final inspection by the Engineer and the acceptance of the entire work. When the Contractor has finally cleaned and repaired the work, he shall notify the Engineer that he is ready for a final inspection and the Engineer will thereupon inspect the work. If the work is not found satisfactory, the Engineer may require further cleaning and repairing and when these are completed will again inspect the work. In no case will the final payment be made until the Contractor has complied with all the requirements set forth and the Engineer has made his final inspection of the entire work and is satisfied that the entire work is properly and satisfactorily constructed in accordance with the plans and specifications and contract, and that such work is ready for his final inspection and acceptance by the Utility (see Section 1.5.2 - of the Standard Specifications).

Note: The routing of all punch lists on items that remain needing attention shall be between the Engineer and the Contractor or his authorized project coordinator.



### **XIII. PROTECTION AND RESTORATION OF PROPERTY**

#### **A. UNDERGROUND**

The Contractor shall protect, repair and restore any underground drain lines, conduit, culverts, etc., encountered in the progress of the work and shall be responsible for the protection and replacing of any utilities encountered or damaged during construction, at no cost to the Utility. The Contractor shall also restore any septic system drain lines or field tiles encountered in the progress of the work and shall use watertight joints on the replaced drain lines when directed to do so by the Engineer. The cost of this work shall be included in the unit bid and contract price for water main, and no extra payment will be made therefore.

#### **B. SURVEY CORNERS AND ABOVE SURFACE OBSTRUCTIONS**

The Contractor while on this job, will be solely responsible for the protection and/or replacement of all survey corners which exist throughout the area. These corners will be located and marked by the Engineering Department of the City of Oak Creek upon request by the Contractor prior to commencing his work. Any such damaged corners shall be replaced by the City and the amount deducted from the contract payment.

The Contractor shall protect, repair and replace any mailboxes, fences, signs or other structures damaged or displaced in the progress of the work.

### **XIV. TIME OF COMPLETION**

The starting date for work under this contract shall be at the discretion of the Contractor, subject to the following:

- A. Preconstruction meeting as arranged by the Utility Engineer.
- B. Issuance of the Notice to Proceed by the Utility Engineer.
- C. Once work has commenced, the shall not last longer than 30 working days
- D. The entire water main project, including the temporary surface restoration, shall be substantially completed no later than August 13, 2010.
- E. Issuance of all permits required by Milwaukee County and the City of Milwaukee Department of City Development.

It shall be understood by the Contractor that the date of starting construction and the date of completion of the work to be done hereunder are ESSENTIAL CONDITIONS of this contract, and it is further understood and agreed that the work shall be commenced as aforementioned.

The Contractor agrees that the work shall be pursued regularly, diligently, and uninterruptedly at such rate of progress as will assure completion of the work on the dates as stated in the proposal.

The Contractor agrees that the work shall be completed in conjunction with the Milwaukee County paving project of S. 13<sup>th</sup> Street. All work will also be coordinated with Milwaukee County.

**XV. EXTENSIONS OF TIME**

Extensions of time may be allowed by the Utility for reasonable delays due exclusively to causes beyond the control and without the fault of the Contractor including but not restricted to owner purchased material delivery delays, extra work or supplemental contract work added to the original contract, fires, strikes, unusual floods, accidents and unreasonable delays in receiving ordered materials and equipment. It should be understood by the Contractor that rain events occur and fluctuate from year to year and shall not be considered cause for a time extensions.

All requests for extensions of time shall be presented in writing to the Utility Engineer within ten calendar days after the occurrence of the claimed delay, accompanied by all necessary supporting data, and, if based on valid grounds will be considered by the Utility and such extensions of time shall be granted as may seem to be fair and reasonable. However, no claims will be considered when based on delays caused by conditions existing at the time bids were received and of which the Contractor might be reasonably expected to have knowledge at the time of bidding, or upon delays caused by failure on the part of the Contractor to anticipate properly the requirements of the work contracted for as to the securing of needed materials, labor and equipment.

**XVI. LIQUIDATED DAMAGES**

When the work embraced in the contract is not completed within the time stated in the Detail Specifications for the water main construction, and/or for the entire work, including testing, flushing, and surface restoration, as stated, and within such extra time as may be allowed by extensions, the Contractor shall pay to the Oak Creek Water & Sewer Utility the following sum for each and every calendar day that the time consumed in final completion exceeds the time allowed therefore, plus the engineering and inspection costs incurred during the time used beyond the allowed time:

Original Contract Amount		Daily Charge
From More Than	To and Including	Calendar Day
\$0	\$50,000	\$200.00
\$50,000	\$100,000	\$250.00
\$100,000	\$300,000	\$350.00
\$300,000	\$500,000	\$500.00
\$500,000	\$1,000,000	\$700.00

\$1,000,000	\$1,500,000	\$1,000.00
\$1,500,000	\$2,000,000	\$1,350.00
\$2,000,000	\$2,500,000	\$1,400.00
\$2,500,000	---	\$1,550.00

Completion of the work under this contract on the specified time schedules is necessary and vital to the Utility. Failure to complete the project on or before specified working days or calendar dates will result in loss of revenues, loss of timely use of the proposed facilities, delays, and possibly inflated costs for related or subsequent improvement installations, detrimental to the economic development of the City and Utility, as well as the additional cost of engineering expenses which will be required to be paid by the Utility.

Said sum in view of the difficulty of accurately ascertaining the loss which the Utility will suffer by reason of delay in completion is hereby fixed and agreed by the parties hereto as the liquidated damages that will be suffered by reason of such delay, and not as a penalty. The Utility will deduct and retain out of the monies which may become due hereunder, the amount of any such liquidated damages and in case the amount which may become due hereunder shall be less than the amount of liquidated damages suffered, the Contractor shall be liable to pay the difference upon demand by the Utility.

## **XVII. PROPOSAL ITEMS**

Special note to the bidder and successful contractor

Contractor will be allowed to work only while there is an Inspector at the site at any or all times and the Contractor must notify the Utility Engineer prior to commencing with any of the work specified for this project (i.e., excavation, shoring, sheathing, bedding, laying pipe, backfilling, clean-up, etc.) An Inspector will be provided to the Contractor by the Utility at no cost to the Contractor; except that inspection time shall be charged to the Contractor in addition to the specified liquidated damages after he has exceeded his time of completion (see Instructions to Bidders). If the Contractor requests to work on Sundays or declared Utility holidays, an Inspector will be provided but the Contractor must pay for the Inspector's wages for such work. A list of official holidays can be obtained from the City of Oak Creek Engineering Department.

The bid price for each bid item shall include the furnishings of all materials, tools, labor, etc. It shall include saw cutting pavement full depth, execution disposition of surplus material, pipe laying, backfilling, sheeting, shoring, tunneling, auguring, dewatering, furnishing and installing of fittings, connecting to existing water mains disturbed or damaged by the Contractor's operation and clean-up, all as specified. Traffic control, surface restoration and any other incidental items necessary shall be incorporated into the various bid items. The item numbers referred to below correspond to the item number in the proposal. Contractor shall refer to the items below for details of the work included.

### **Item 1 – 12” Water Main Offset**

The unit bid and contract price for this item shall include all equipment, materials, and labor necessary install 12” PVC water main offset complete in place and ready to use.

All fittings shall be Mega-Lug restrained.

Install 32# Magnesium anodes on either side of the offset.

The item shall be paid based on the contract unit price as a lump sum as documented by the Inspector.

### **Item 2 – 6” Hydrant Lead**

The unit bid and contract price for this item shall include all equipment, materials, and labor necessary to extend the existing hydrant lead, together with all work and proper backfilling, surface restoration, complete in place and ready to use, in accordance with the construction plans and these Detail Specifications. This shall include installation of tracer wire test stations.

The lead shall be restrained back the water main.

This item shall be paid based on the contract unit price per linear foot as documented by the Inspector.

### **Item 3 – 6” 45° Bend**

The unit bid and contract price for this item shall include all equipment, materials, and labor necessary to install a 6” 45° bend, together with all work and proper backfilling, surface restoration, complete in place and ready to use, in accordance with the construction plans and these Detail Specifications.

The bend shall be restrained back the water main.

This item shall be paid based on the contract unit price per each as documented by the Inspector.

### **Item 4 –Remove Hydrant**

The unit bid and contract price for this item shall include all equipment, materials, and labor necessary to remove the existing hydrant at the location shown on the plans. The existing hydrant shall be either reused on site or delivered by the Contractor to the Utility at 170 W. Drexel Avenue for salvaging. The inspector shall determine if the hydrant is reused on site.

This item shall include the removal of the hydrant lead at Station 58+45

This item shall include the installation of a plug in valve at Station 58+45.

This item shall be paid based on the contract unit price per each as documented by the Inspector.

**Item 5 –Install Hydrant**

The unit bid and contract price for this item shall include all equipment, materials, and labor necessary to install a new hydrant and extensions, where required, backfilling, tracer wire and surface restoration, complete in place and ready to use, in accordance with the construction plans and these Detail Specifications.

This item shall be paid based on the contract unit price per each as documented by the Inspector.

**Item 6 –Replace Hydrant**

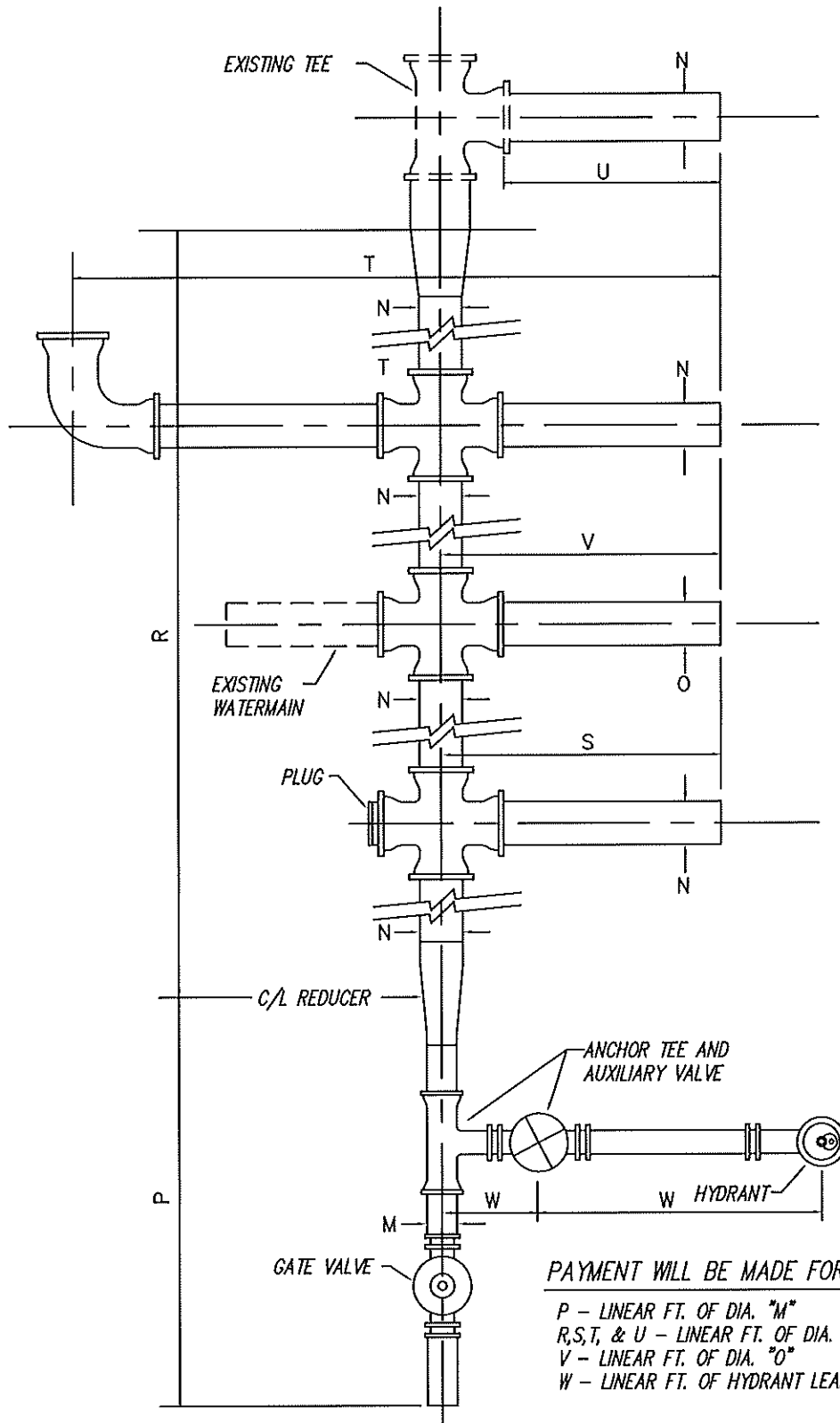
The unit bid and contract price for this item shall include all equipment, materials, and labor necessary to replace the existing hydrant and extension, where required, backfilling, tracer wire and surface restoration, complete in place and ready to use, in accordance with the construction plans and these Detail Specifications.

This item shall be paid based on the contract unit price per each as documented by the Inspector.

**XVIII. ALLOWED EXTRAS**

**A. HYDRANT EXTENSION**

The Contractor, when directed by the Engineer to change hydrant extensions, which may not be provided for as a bid and contract item and not shown on the construction plans, shall be compensated in the amount of \$150.00 per 6” of extension.



City of Oak Creek  
Department of Public Works

Drawn By: K.C. Seufzer

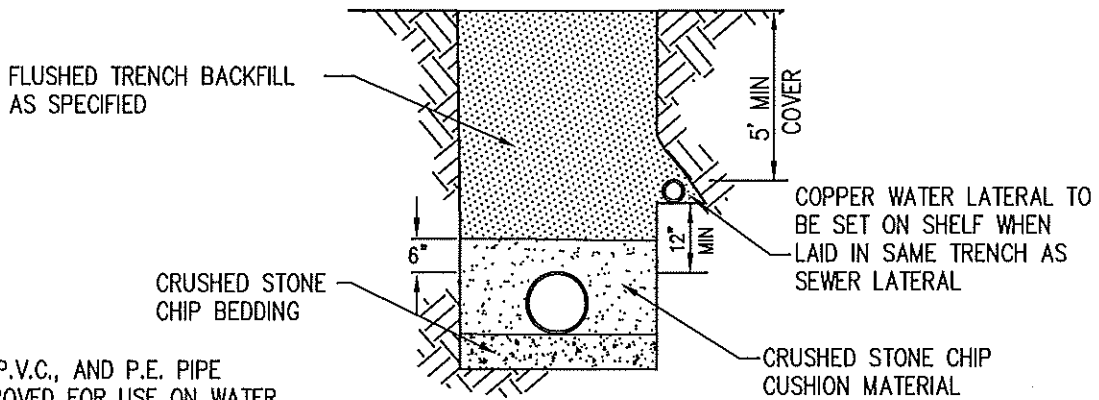
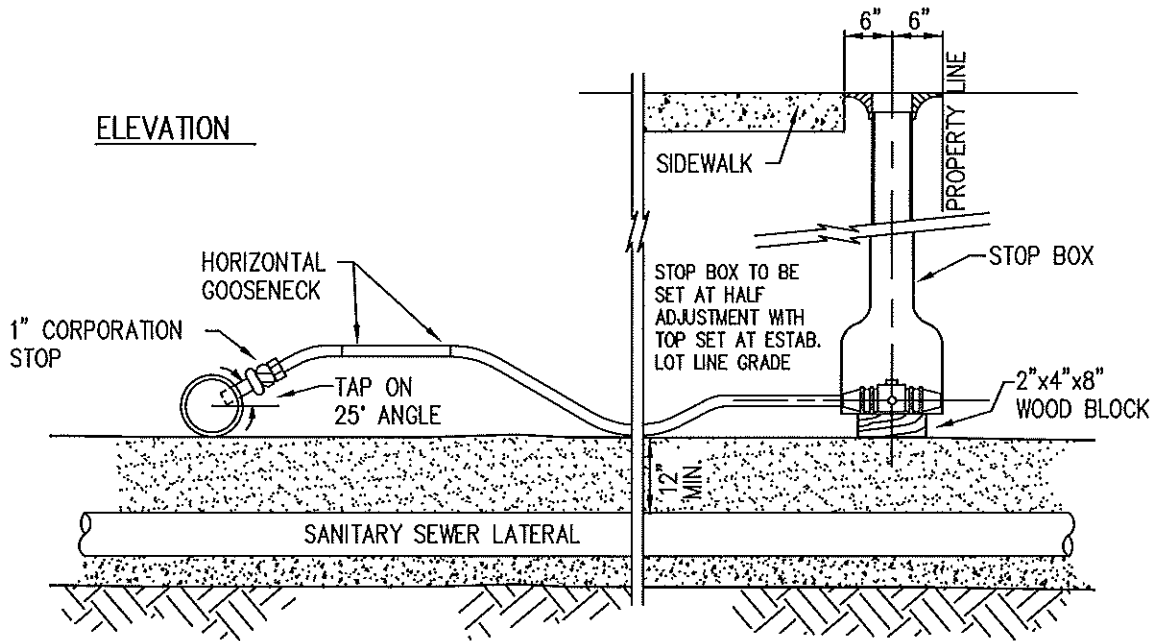
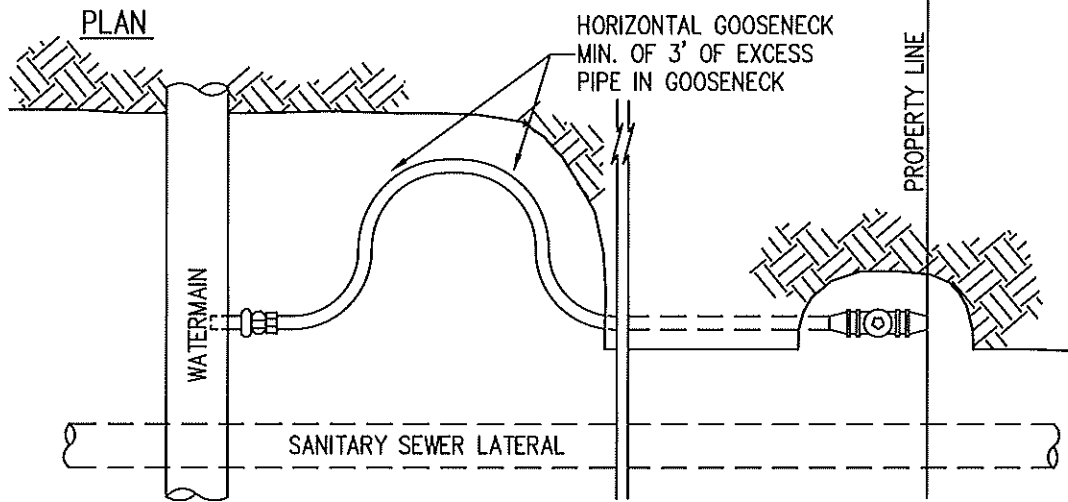
Scale: Not to Scale

Appv. By: M.J. Sullivan

Date: June 18, 1996

WATERMAIN PAYMENT DIAGRAM

WD-1



NOTE:  
 COPPER, P.V.C., AND P.E. PIPE  
 ARE APPROVED FOR USE ON WATER  
 LATERALS. FITTINGS SHALL BE IN  
 ACCORDANCE WITH TYPE OF PIPE USED.

DITCH SECTION  
 (AS VIEWED FROM LOT)



City of Oak Creek  
 Department of Public Works

Drawn By: K.C. Seufzer

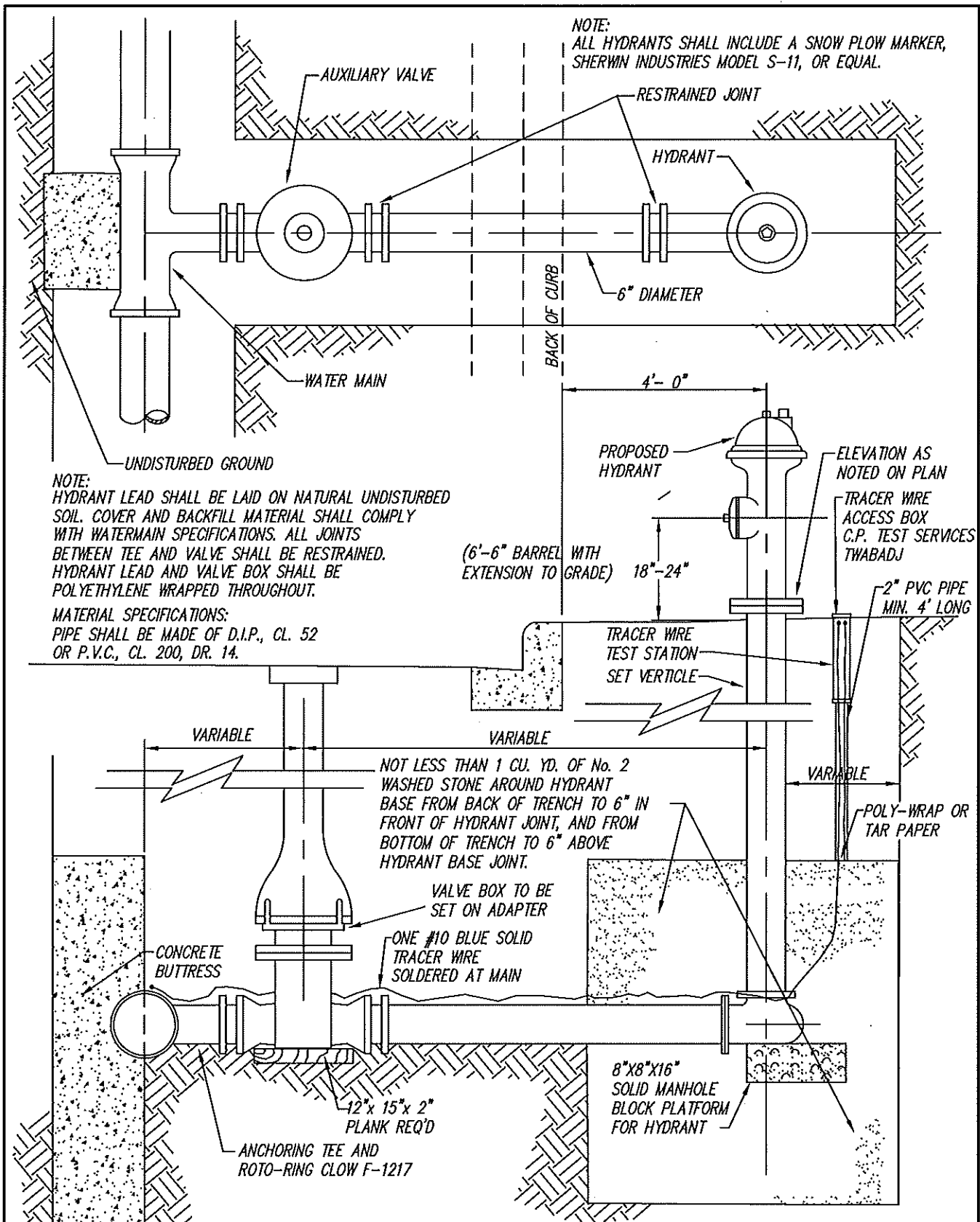
Scale: N.T.S.

Appv. By: M.J. Sullivan

Date: October, 1998

WATER SERVICE TAP AND STOP BOX

WD-11



City of Oak Creek  
Department of Public Works

Drawn By: K.C. Seufzer

Scale: Not to Scale

Appv. By: M.J. Sullivan

Date: January 19, 2004

TYPE "A" HYDRANT SETTING DETAIL

WD-13



## **POST THE WHITE SHEET**

As the public entity receiving this prevailing wage rate determination, YOU ARE REQUIRED by law to post the prevailing wage rate determination (i.e., white sheet) in at least one conspicuous and easily accessible place on the project site that is available to all construction workers. The white sheet must remain posted from the onset of the project until all construction labor on the project has been completed.

[See, Wis. Admin. Code §DWD 290.12(1)]

Posting the white sheet inside the general contractor's trailer does not meet this requirement. That placement is not available/accessible to all workers and is not a location over which you have control.

If you have questions about posting, please call (608)266-6861 and ask for prevailing wage intake.

Jim Doyle  
Governor  
Roberta Gassman  
Secretary  
Jennifer A. Ortiz  
Division Administrator



EQUAL RIGHTS DIVISION  
201 East Washington Avenue, Room A300  
P.O. Box 8928  
Madison, WI 53708  
Telephone: (608) 266-6860  
Fax: (608) 267-4592  
TTY: (608) 264-8752  
<http://www.dwd.state.wi.us/>

State of Wisconsin  
Department of Workforce Development

DEPARTMENTAL ORDER

BRIAN JOHNSTON, DEVELOPMENT ENGINEER  
CITY OF OAK CREEK  
8640 S. HOWELL AVENUE  
OAK CREEK, WI 53154

RE: S. 13TH STREET (CTH V) WATER MAIN RELAY  
CITY OF OAK CREEK, MILWAUKEE COUNTY, WI  
Determination No. 201001746 Project No. 10101

The application which you filed or was filed on your behalf, by the person copied below, for a prevailing wage rate determination applicable to the above-referenced project has been received.

A survey was conducted to determine the prevailing wage rate for the trade(s) or occupation(s) needed to complete the project. The findings of the survey are set forth in the enclosed determination.

If you believe that the wage rate for any trade or occupation does not accurately reflect the prevailing wage rate in the city, village or town in which the project is located, you have the right to request the department to conduct an administrative review regarding such wage rate.

Your request must be made, in writing, within 30 days from the date indicated below and at least 10 days before the date a construction contract(s) is to be awarded or negotiated. Your request must also include wage rate information on at least three (3) similar projects located in the city, village or town where the proposed project is located on which some work was performed by the contested trade(s) or occupation(s) during the current survey period and which was previously considered by the department in issuing the enclosed determination. See s. DWD 290.10 of the Wisconsin Administrative Code and either s. 66.0903 (3)(br) or s. 103.49 (3)(c), Stats. for a complete explanation of the administrative review process.

Now, therefore, it is hereby ORDERED that the prevailing wage rates set forth in the enclosed determination shall only be applicable to the above referenced project. This ORDER shall be deemed a FINAL ORDER of this department unless a timely request for an administrative review is filed with the department or a construction contract(s) is not awarded or negotiated before the determination's expiration date.

DATED

4/22/2010

Enclosures

FOR THE DEPARTMENT

A handwritten signature in black ink, appearing to read 'Dave Newman', written over a horizontal line.

Dave Newman, Investigator  
Labor Standards Bureau  
Construction Wage Standards Section  
(608) 266-2832

## PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin  
Department of Workforce Development  
Pursuant to s. 66.0903, Stats.  
Issued On: 4/22/2010

**DETERMINATION NUMBER:** 201001746

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded Or Negotiated On Or Before 12/31/2010. If NOT, You MUST Reapply.

**DESCRIPTION OF PROJECT:** S. 13TH STREET (CTH V) WATER MAIN RELAY  
PROJECT NO: 10101

**LOCATION OF PROJECT:** CITY OF OAK CREEK, MILWAUKEE COUNTY, WI

**CONTRACTING AGENCY:** CITY OF OAK CREEK

**CLASSIFICATION:** Contractors are required to call the Department of Workforce Development if there are any questions regarding the proper trade or classification to be used for any worker on a public works project.

**OVERTIME:** Time and one-half must be paid for all hours worked over 10 hours per day and 40 hours per calendar week and for all hours worked on Saturday, Sunday and the following six (6) holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25; the day before if January 1, July 4 or December 25 falls on a Saturday; the day following if January 1, July 4 or December 25 falls on a Sunday.

**FUTURE INCREASE:** If indicated for a specific trade or occupation, the full amount of such increase MUST be added to the "TOTAL" indicated for such trade or occupation on the date(s) such increase(s) becomes effective.

**PREMIUM PAY:** If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.

**SUBJOURNEY:** Wage rates may be available for some of the classifications indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer that desires to use any subjourney classification on this project MUST request the applicable wage rate from this department PRIOR to the date such classification is used on this project. Form-ERD-10880 is available for this purpose.

### SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
	\$	\$	\$
Bricklayer, Blocklayer or Stonemason	31.43	13.76	45.19
Carpenter	31.38	16.11	47.49
Future Increase(s): Add \$2.60/hr on 5/31/2010; Add \$2.65/hr on 6/6/2011.			
Cement Finisher	28.82	13.98	42.80
Electrician	29.50	17.26	46.76
Fence Erector	22.50	3.00	25.50
Ironworker	30.51	20.59	51.10
Future Increase(s): Add \$2/hr on 6/7/2010; Add \$2/hr on 6/6/2011.			
Line Constructor (Electrical)	34.57	14.78	49.35
Pavement Marking Operator	23.46	9.45	32.91
Piledriver	27.25	19.51	46.76
Plumber	31.39	18.05	49.44
Steamfitter	31.43	13.76	45.19
Teledata Technician or Installer	23.77	13.68	37.45

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>			
<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
	<b>\$</b>	<b>\$</b>	<b>\$</b>
Tuckpointer, Caulker or Cleaner	25.00	11.75	36.75
Underwater Diver (Except on Great Lakes)	33.00	13.26	46.26
Well Driller or Pump Installer	24.22	14.80	39.02
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.57	9.97	44.54
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.87	14.61	50.48
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	16.50	8.50	25.00
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	22.47	0.00	22.47
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	25.00	15.39	40.39

**TRUCK DRIVERS**

Single Axle or Two Axle	23.00	0.00	23.00
Three or More Axle	25.00	7.47	32.47
Articulated, Euclid, Dumptor, Off Road Material Hauler	30.12	15.55	45.67
Pavement Marking Vehicle	19.25	10.84	30.09
Truck Mechanic	25.00	7.47	32.47

**LABORERS**

General Laborer	26.15	13.91	40.06
Future Increase(s): Add \$1.60/hr on 6/7/2010; Add \$1.67/hr on 6/6/2011; Add \$1.73/hr on 6/4/2012. Premium Pay: Add \$1.76 for bottomman; Add \$3.98 for concrete manhole builder, bracer, jointman, or pipelayer; Add \$4.46 for blaster. Add \$2.00 for all tunnel work under 15 lbs. compressed air; Add \$2.00 for 0-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.			
Landscaper	13.40	15.33	28.73
Flagperson or Traffic Control Person	20.33	10.50	30.83
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	21.49	3.91	25.40
Railroad Track Laborer	22.41	12.73	35.14

**HEAVY EQUIPMENT OPERATORS**

Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver.	32.59	17.05	49.64
Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Pay: Add \$.25/hr for operating tower crane.			
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without	32.59	17.05	49.64

<b>Fringe Benefits Must Be Paid On <u>All Hours Worked</u></b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b><u>TRADE OR OCCUPATION</u></b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Pay: Add \$.25/hr for operating tower crane.			
Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Pay: Add \$.25/hr for operating tower crane.	30.86	17.05	47.91
Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-inch Bucket & Under); Winches & A- Frames. Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Pay: Add \$.25/hr for operating tower crane.	30.86	17.05	47.91
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Pay: Add \$.25/hr for operating tower crane.	30.86	17.05	47.91
Boiler (Temporary Heat); Forklift; Greaser; Oiler.	29.97	16.60	46.57
Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	34.76	16.75	51.51
Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator;	33.90	17.19	51.09

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.			
Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	30.20	17.08	47.28
Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	30.20	17.08	47.28

**LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION**

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

Bricklayer, Blocklayer or Stonemason	14.00	0.00	14.00
Carpenter	27.51	13.46	40.97
Cement Finisher	27.37	14.43	41.80
Electrician	31.64	23.21	54.85
Fence Erector	11.00	0.00	11.00
Ironworker	30.51	20.59	51.10
Future Increase(s): Add \$2/hr on 6/7/2010; Add \$2/hr on 6/6/2011.			
Line Constructor (Electrical)	34.57	14.78	49.35
Painter	26.04	12.60	38.64
Pavement Marking Operator	23.46	9.45	32.91
Piledriver	27.25	19.51	46.76
Roofer or Waterproofer	28.85	11.98	40.83
Teledata Technician or Installer	23.77	13.68	37.45
Tuckpointer, Caulker or Cleaner	31.48	14.39	45.87
Underwater Diver (Except on Great Lakes)	33.00	13.26	46.26
Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	31.11	13.78	44.89
Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.87	14.61	50.48
Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.66	10.70	38.36
Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	22.47	0.00	22.47
Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	27.66	11.75	39.41

**TRUCK DRIVERS**

Single Axle or Two Axle	22.25	13.24	35.49
Three or More Axle	12.00	12.35	24.35
Articulated, Euclid, Dumptor, Off Road Material Hauler	30.89	17.16	48.05
Future Increase(s): Add \$1.80/hr on 5/31/2010.			
Pavement Marking Vehicle	19.25	10.84	30.09
Shadow or Pilot Vehicle	22.25	13.24	35.49

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Truck Mechanic	12.00	12.35	24.35

**LABORERS**

General Laborer	23.26	14.16	37.42
Landscaper	12.50	4.46	16.96
Flagperson or Traffic Control Person	17.11	13.85	30.96
Fiber Optic Laborer (Outside, Other Than Concrete Encased)	21.49	3.91	25.40
Railroad Track Laborer	22.41	12.73	35.14

**HEAVY EQUIPMENT OPERATORS  
CONCRETE PAVEMENT OR BRIDGE WORK ONLY**

Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	31.97	17.35	49.32
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Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13.  
 Premium Pay: For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).

Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.	31.47	17.35	48.82
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Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13.  
 Premium Pay: For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).

Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist;	29.97	16.68	46.65
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**Fringe Benefits Must Be Paid On All Hours Worked**

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A- Frames.			
Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (Not performing work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.	29.42	16.25	45.67
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	30.42	17.35	47.77
Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13. Premium Pay: For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
Fiber Optic Cable Equipment.	22.79	15.30	38.09
Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	34.76	16.75	51.51
Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	33.90	17.19	51.09
Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	30.20	17.08	47.28
Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	30.20	17.08	47.28
<b>HEAVY EQUIPMENT OPERATORS ASPHALT PAVEMENT OR OTHER WORK</b>			
Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies;	30.97	16.60	47.57



**Fringe Benefits Must Be Paid On All Hours Worked**

<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.			
Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.	32.07	16.05	48.12
Future Increase(s): Add \$1.70/hr on 6/1/2010; Add \$1.85/hr on 6/1/2011.			
Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini), 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A- Frames.	30.42	17.00	47.42
Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13.			
Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler.	30.42	17.00	47.42
Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13.			
Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/Or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	30.42	17.00	47.42

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>			
<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
	\$	\$	\$
Future Increase(s): Add \$1.85/hr on 6/1/10; Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13.			
Fiber Optic Cable Equipment.	22.79	15.30	38.09

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place **on the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and most subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-2832.

**The following statutory provisions apply to local governmental unit public works projects and are set forth below pursuant to the requirements of s. 66.0903 (8), Stats.**

Each contractor, subcontractor or agent thereof performing work on a project that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid therefor.

Any contractor, subcontractor or agent thereof, who fails to pay the prevailing wage rate determined by the department under sub.(3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor determined under sub.(3), shall be liable to any affected employe in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional equal amount as liquidated damages. An action to recover the liability may be maintained in any court of competent jurisdiction by any employe for and in behalf of that employe and other employes similarly situated. No employe may be a party plaintiff to any such action unless the employe consents in writing to become such a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

## Disclosure of Ownership

The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d) and 103.49(7)(d), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1) (m), Wisconsin Statutes]

- (1) On the date a contractor submits a bid to or completes negotiations with a state agency or local governmental unit, on a project subject to Section 66.0903 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency or local governmental unit the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.
- (2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must ONLY be filed, with the state agency or local governmental unit that will be awarding the contract, if **both (A) and (B) are met.**
  - (A) The contractor, or a shareholder, officer or partner of the contractor:
    - (1) Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.
    - (2) Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.
  - (B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

### Other Construction Business

Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code

**I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.**

Print the Name of Authorized Officer			
Signature of Authorized Officer	Date Signed		
Name of Corporation, Partnership or Sole Proprietorship			
Street Address or P O Box	City	State	Zip Code

**If you have any questions call (608) 266-6861**

# Disclaimer

Effective May 1, 2007 employers performing work on public works construction projects in Wisconsin for municipal government and state building projects will be required to have a written substance abuse testing program in place. The provisions of this requirement are contained in Act 181. The Department of Workforce Development is not responsible for enforcement of this law or authorized to answer questions concerning the provisions of Act 181. For legal advice on complying with Act 181 you may wish to consult with a private attorney.

2005 Assembly Bill 736

Date of enactment: March 22, 2006

Date of publication\*: April 5, 2006

## 2005 WISCONSIN ACT 181

**AN ACT** to create 103.503 of the statutes; relating to: substance abuse by employees who are required to be paid the prevailing wage rate for work performed on projects of public works, other than state highway projects.

*The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:*

**SECTION 1.** 103.503 of the statutes is created to read:  
**103.503 Substance abuse prevention on public works projects.** (1) **DEFINITIONS.** In this section:

(a) "Accident" means an incident caused, contributed to, or otherwise involving an employee that resulted or could have resulted in death, personal injury, or property damage and that occurred while the employee was performing the work described in s. 66.0903 (4) or 103.49 (2m) on a project.

(b) "Alcohol" has the meaning given in s. 340.01 (1q).

(c) "Contracting agency" means a local governmental unit, as defined in s. 66.0903 (1) (d), or a state agency, as defined in s. 103.49 (1) (f), that has contracted for the performance of work on a project.

(d) "Drug" means any controlled substance, as defined in s. 961.01 (4), or controlled substance analog, as defined in s. 961.01 (4m), for which testing is required by an employer under its substance abuse prevention program under this section.

(e) "Employee" means a laborer, worker, mechanic, or truck driver who performs the work described in s. 66.0903 (4) or 103.49 (2m) on a project.

(f) "Employer" means a contractor, subcontractor, or agent of a contractor or subcontractor that performs work on a project.

(g) "Project" means a project of public works that is subject to s. 66.0903 or 103.49.

(2) **SUBSTANCE ABUSE PROHIBITED.** No employee may use, possess, attempt to possess, distribute, deliver, or be under the influence of a drug, or use or be under the influence of alcohol, while performing the work described in s. 66.0903 (4) or 103.49 (2m) on a project. An employee is considered to be under the influence of alcohol for purposes of this subsection if he or she has an alcohol concentration that is equal to or greater than the amount specified in s. 885.235 (1g) (d).

(3) **SUBSTANCE ABUSE PREVENTION PROGRAMS REQUIRED.** (a) Before an employer may commence work on a project, the employer shall have in place a written program for the prevention of substance abuse among its employees. At a minimum, the program shall include all of the following:

1. A prohibition against the actions or conditions specified in sub. (2).

2. A requirement that employees performing the work described in s. 66.0903 (4) or 103.49 (2m) on a project submit to random, reasonable suspicion, and post-accident drug and alcohol testing and to drug and alcohol

\* Section 991.11, WISCONSIN STATUTES 2003-04: Effective date of acts. "Every act and every portion of an act enacted by the legislature over the governor's partial veto which does not expressly prescribe the time when it takes effect shall take effect on the day after its date of publication as designated" by the secretary of state [the date of publication may not be more than 10 working days after the date of enactment].

testing before commencing work on a project, except that testing of an employee before commencing work on a 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 project.

3. A procedure for notifying an employee who violates sub. (2), 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 project until he or she meets the conditions specified in sub. (4) (b) 1. and 2.

(b) Each employer shall be responsible for the cost of developing, implementing, and enforcing its substance abuse prevention program, including the cost of drug and alcohol testing of its employees under the program. The contracting agency is not responsible for that cost, for the cost of any medical review of a test result, or for any rehabilitation provided to an employee.

(4) EMPLOYEE ACCESS TO PROJECT. (a) No employer may permit an employee who violates sub. (2), 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 employer's substance abuse prevention program under sub. (3) to perform work on a project until he or she meets the conditions specified in par. (b) 1. and 2. An employer shall immediately remove an employee from work on a project if any of the following occurs:

1. The employee violates sub. (2), tests positive for the presence of a drug in his or her system, or refuses to submit to drug or alcohol testing as required under the employer's substance abuse prevention program.

2. An officer or employee of the contracting agency has a reasonable suspicion that the employee is in violation of sub. (2) and requests the employer to immediately remove the employee from work on the project.

(b) An employee who is barred or removed from work on a project under par. (a) may commence or return to work on the project upon his or her employer providing to the contracting agency documentation showing all of the following:

1. That the employee has tested negative for the presence of drugs in his or her system and is not under the influence of alcohol as described in sub. (2).

2. That the employee has been approved to commence or return to work on the project in accordance with the employer's substance abuse prevention program.

(c) Testing for the presence of drugs or alcohol in an employee's system and the handling of test specimens shall be conducted in accordance with guidelines for laboratory testing procedures and chain-of-custody procedures established by the substance abuse and mental health services administration of the federal department of health and human services.

(5) LOCAL ORDINANCES; STRICT CONFORMITY REQUIRED. A local governmental unit, as defined in s. 66.0903 (1) (d), may enact an ordinance regulating the conduct regulated under this section only if the ordinance strictly conforms to this section.

#### SECTION 2. Initial applicability.

(1) This act first applies to a contract to perform work on a project, as defined in section 103.503 (1) (g) of the statutes, as created by this act, for which bids are opened on the effective date of this subsection or, if bids are not solicited for the contract, to a contract to perform such work entered into on the effective date of this subsection, except that this This act first applies to an employee who is affected by a collective bargaining agreement that contains provisions inconsistent with this act on the day on which the collective bargaining agreement expires or is extended, modified, or renewed, whichever occurs first.

#### SECTION 3. Effective date.

(1) This act takes effect on the first day of the 13th month beginning after publication.

## Prime Contractor Affidavit of Compliance With Prevailing Wage Rate Determination

Authorization for this form is provided under Sections, 66.0903(9) (b) and 103.49(4r) (9b) Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m), Wisconsin Statutes]

This form must **ONLY** be filed with the **Awarding Agency** indicated below.

State Of _____ )  )SS  County Of _____ )	Project Name		
	Project Number		Determination Number
	Date Determination Issued		Date of Contract
	Awarding Agency		
	Date Work Completed		

After being duly sworn, the person whose name and signature appears below hereby states under penalty of perjury that

- **I am** the duly authorized officer of the corporation, partnership, sole proprietorship or business indicated below and have recently completed all of the work required under the terms and conditions of a contract with the above-named awarding agency and make this affidavit in accordance with the requirements set forth in Section 66.0903(9)(c) or 103.49(4r)(c), Wisconsin Statutes and Chapter DWD 290 of the Wisconsin Administrative Code in order to obtain FINAL PAYMENT from such awarding agency.
- **I have** fully complied with the entire wage and hour requirements applicable to this project, including all of the requirements set forth in the prevailing wage rate determination indicated above which was issued for such project by the Department of Workforce Development on the date indicated above.
- **I have** received the required affidavit of compliance from each of my agents and subcontractors that performed work on this project and have listed each of their names and addresses on page 2 of this affidavit.
- **I have** full and accurate records that clearly indicate the name and trade or occupation of every worker(s) that I employed on this project, including an accurate record of the hours worked and actual wages paid to such worker(s).
- **I will** retain the records and affidavit(s) described above and make them available for inspection for a period of at least three (3) years from the completion date indicated above at the address indicated below and shall not remove such records or affidavit(s) without prior notification to the awarding agency indicated above.

Name of Corporation, Partnership, Sole Proprietorship or Business				
Street Address or P O Box	City	State	Zip Code	Telephone Number (   )
Print Name of Authorized Officer			Date Signed	
Signature of Authorized Officer				

## List of Agents and Subcontractors

Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		

**If you have any questions call (608) 266-6861**

## Agent or Subcontractor Affidavit of Compliance With Prevailing Wage Rate Determination

Authorization for this form is provided under Sections, 66.0903(9) (b) and 103.49(4r)(9b) Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.0. Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m), Wisconsin Statutes.

This form must **ONLY** be filed with the **Awarding Contractor** indicated below.

State Of _____ )  )SS  County Of _____ )	Project Name		
	Project Number		Determination Number
	Date Determination Issued		Date of Subcontract
	Awarding Contractor		
	Date Work Completed		

After being duly sworn, the person whose name and signature appears below hereby states under penalty of perjury that

- I am the duly authorized officer of the corporation, partnership, sole proprietorship or business indicated below. We have recently completed all of the work required under the terms and conditions of a subcontract with the above-named awarding contractor. We make this affidavit in accordance with the requirements set forth in Section 66.0903(9)(b) or 103.49(4r)(b), Wisconsin Statutes and Chapter DWD 290 of the Wisconsin Administrative Code in order to obtain FINAL PAYMENT from such awarding contractor.
- I have fully complied with the entire wage and hour requirements applicable to this project, including all of the requirements set forth in the prevailing wage rate determination indicated above which was issued for such project by the Department of Workforce Development on the date indicated above.
- I have received the required affidavit of compliance from each of my agents and subcontractors that performed work on this project and have listed each of their names and addresses on page 2 of this affidavit.
- I have full and accurate records that clearly indicate the name and trade or occupation of every worker(s) that I employed on this project, including an accurate record of the hours worked and actual wages paid to such worker(s).
- I will retain the records and affidavit(s) described above and make them available for inspection for a period of at least three (3) years from the completion date indicated above at the address indicated below and shall not remove such records or affidavit(s) without prior notification to the awarding contractor.

Name of Corporation, Partnership, Sole Proprietorship or Business				
Street Address	City	State	Zip Code	Telephone Number (    )
Print Name of Authorized Officer				Date Signed
Signature of Authorized Officer				



## List of Agents and Subcontractors

Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number (    )			Telephone Number (    )		

**If you have any questions call (608) 266-6861**

Consolidated List of Debarred Contractors  
Prepared and Issued By  
State of Wisconsin  
Department of Workforce Development

January 1, 2009

This list has been prepared in accordance with the provisions of s. 66.0903(12) and s. 103.49(7), Stats. and Chapter DWD 294 of the Wisconsin Administrative Code. All contractors on this list were found to have committed a "debarable offense" related to certain labor standard provisions determined or established for a state or local public works project. No state agency or local governmental unit may knowingly solicit bids from, negotiate with or award any contracts to or approve or allow any subcontractors with a debarred contractor, including all divisions, affiliates or other organizational elements of such contractor that are engaged in construction business activities, until the debarment is terminated. The name of each debarred contractor must remain on this list for a period of three (3) years from the termination date indicated below. The contractor is, however, only "debarred" from the "effective date" through the "termination date" indicated for that contractor. Questions regarding this list should be addressed to Julie Eckenwalder, Equal Rights Division, P. O. Box 8928, Madison, WI 53708, or call (608) 266-3148. Deaf, hearing or speech-impaired callers may contact the department by calling its TDD number (608) 264-8752.

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/Deviations</u>
Bechitsao, Joel	See Tri-State Traffic Services, Inc.	12/1/06	11/30/09	1, 2 and 4	2003 to 2004	None
Custom Heating & Air LLC	283 Tony Lane Green Bay, WI 54304	6/1/05	5/31/08	1, 2 and 4	2000-2002	None
D. C. Nevels Trucking, Inc. or D. C. Nevels Trucking	3246 North Sherman Blvd. Milwaukee, WI 53216	12/1/06	4/30/07	1	2005	None
Gibraltar Construction LLC	N60 W15080 Bobolink Ave. Menomonee Falls, WI 53051	11/1/04	10/31/07	1, 2 and 4	2001, 2002 and 2003	None
HGI Painting	P. O. Box 3481 Janesville, WI 53545	11/1/04	10/31/07	1, 2 and 4	2001, 2002 and 2003	None
Hedding, Matt	See HGI Painting	2/1/2007	1/31/2010	1 and 2	2004 and 2005	None
Joseph Stoller Company	N8426 Hwy 42 Algoma WI 54201					

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/Deviations</u>
Keiver, David	See Custom Heating & Air LLC	12/1/06	11/30/09	1, 2 and 4	2003 and 2004	None
Maria, Steve	See Gibraltar Construction LLC					
Nevels, Betty	See D. C. Nevels Truckng, Inc.					
Nevels, Donald	See D. C. Nevels Trucking, Inc.					
Rick's Painting & Drywall	P. O. Box 2316 Eagle River, WI 54521	3/1/03	2/28/06	1	5/8/00 to 4/30/01	None
Stoller Enterprises LLC	N8426 Hwy 42 Algoma, WI 54201-9552	2/1/2007	1/31/2010	1 and 2	2005 to 2006	None
Stoller, Joseph	See Joseph Stoller Company					
Stoller, Patrick J.	See Stoller Enterprises LLC					
Strobel Construction, Inc..	P. O. Box 2316 Eagle River, WI 54521	3/1/03	2/28/06	1	5/8/00 to 4/30/01	None
Strobel, Diane	See Strobel Construction, Inc.					
Strobel, Rick	See Strobel Construction, Inc.					
Tri-State Traffic Services, Inc.	12555 West Burleigh Road #3 Brookfield, WI 53005	12/1/06	11/30/07	1, 2 and 4	2003-2004	None

Cause Code: 1 = Failure to Pay Straight Time 2 = Failure to Pay Overtime 3 = Kickback 4 = Payroll Records.  
 1 = Failure to Pay Straight Time 2 = Failure to Pay Overtime 3 = Kickback 4 = Payroll Records.

State of Wisconsin  
 Department of Workforce Development  
 Equal Rights Division  
 Labor Standards Bureau

## Request to Employ Subjourneyperson

The use of this form is mandatory. The authority for the use of this form is prescribed in Section DWD 290.025, Wisconsin Administrative Code. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.  
 Personal information you provide may be used for secondary purposes. [See Section 15.04(1) (m), Wisconsin Statutes for details.]

The employer indicated below requests that the Department of Workforce Development (DWD) determine the prevailing wage rate(s) and related qualifications to enable such employer to utilize a subjourneyperson(s) on the following public works project, in accordance with the provisions of Section DWD 290.025, Wisconsin Administrative Code.

**1. Name of Public Works Project**

County \_\_\_\_\_ City, Village or Township \_\_\_\_\_

Determination Number \_\_\_\_\_ Project Number \_\_\_\_\_

2. Name of Employee (Last, First and Initial)	P. O. Box or Street Address	City	State	Zip Code	Date of Birth	Journey Classification

**3. Name of Employer (Print)**

Name of Person Making Request (Print) \_\_\_\_\_

P O Box or Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Telephone Number  
 (     ) \_\_\_\_\_

Title of Requestor \_\_\_\_\_

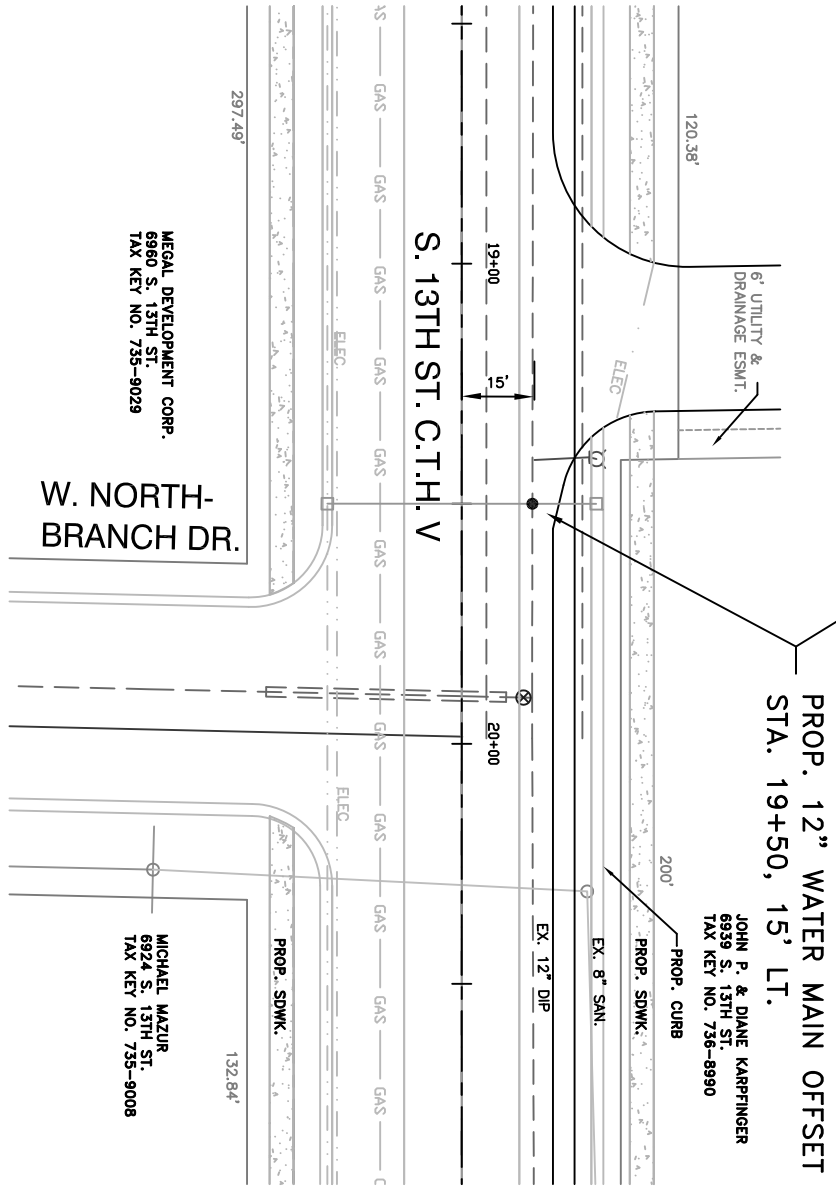
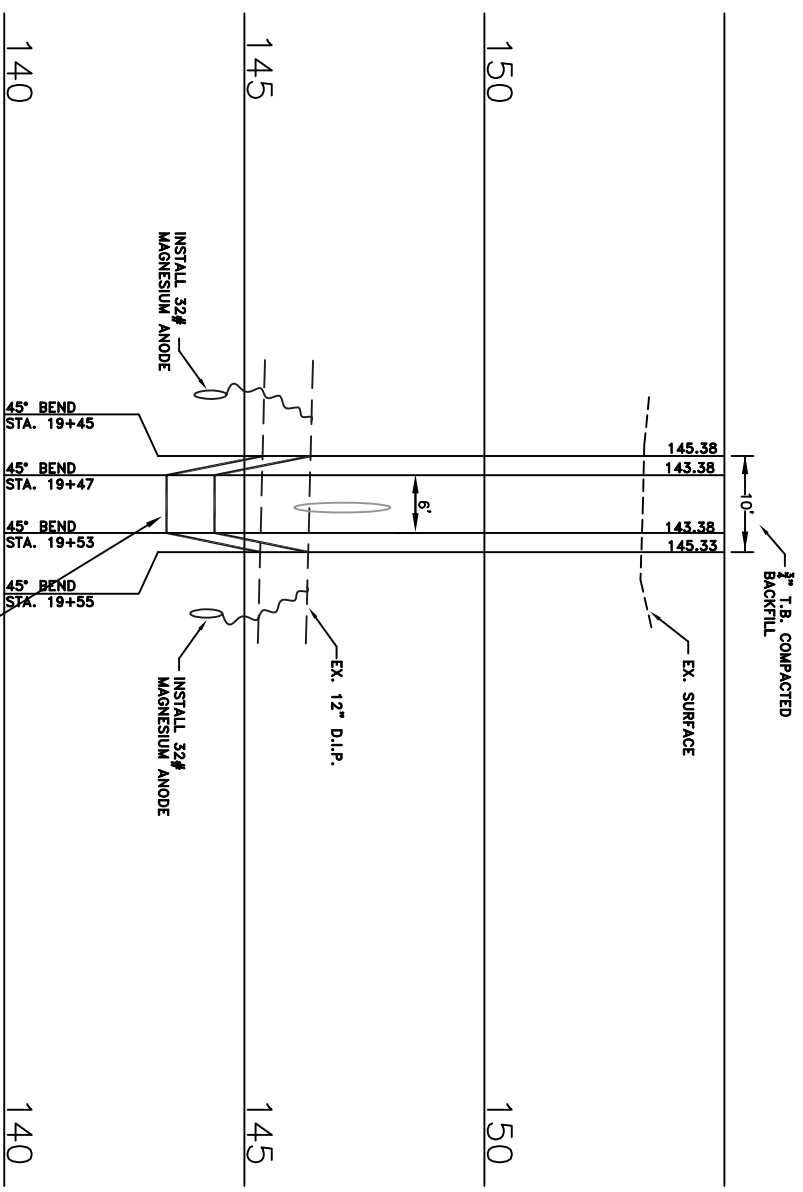
**READ CAREFULLY:** I fully understand that this request is ONLY applicable to the project and employee(s) listed above and that such employee(s) will ONLY work under the direction of and directly assist a skilled trades employee by frequently using the tools of a skilled trades employee and will NOT regularly perform the duties of a general laborer, heavy equipment operator or truck driver. If the employee(s) indicated above regularly perform(s) the work of a different trade or occupation, he/she will be compensated for such work at the applicable journeypersons prevailing wage rate. I agree not to employ any employee as a subjourneyperson on this project until I receive written confirmation from the DWD. After such confirmation is received, I will compensate the employee(s) indicated above in strict accordance with the directions received from the DWD.

Signature of Requestor \_\_\_\_\_

Date Signed \_\_\_\_\_

**MAIL COMPLETED REQUEST TO EQUAL RIGHTS DIVISION, LABOR STANDARDS BUREAU P. O. BOX 8928 MADISON WI 53708.**  
 You may call (608) 266-6860 if you need assistance in completing your request





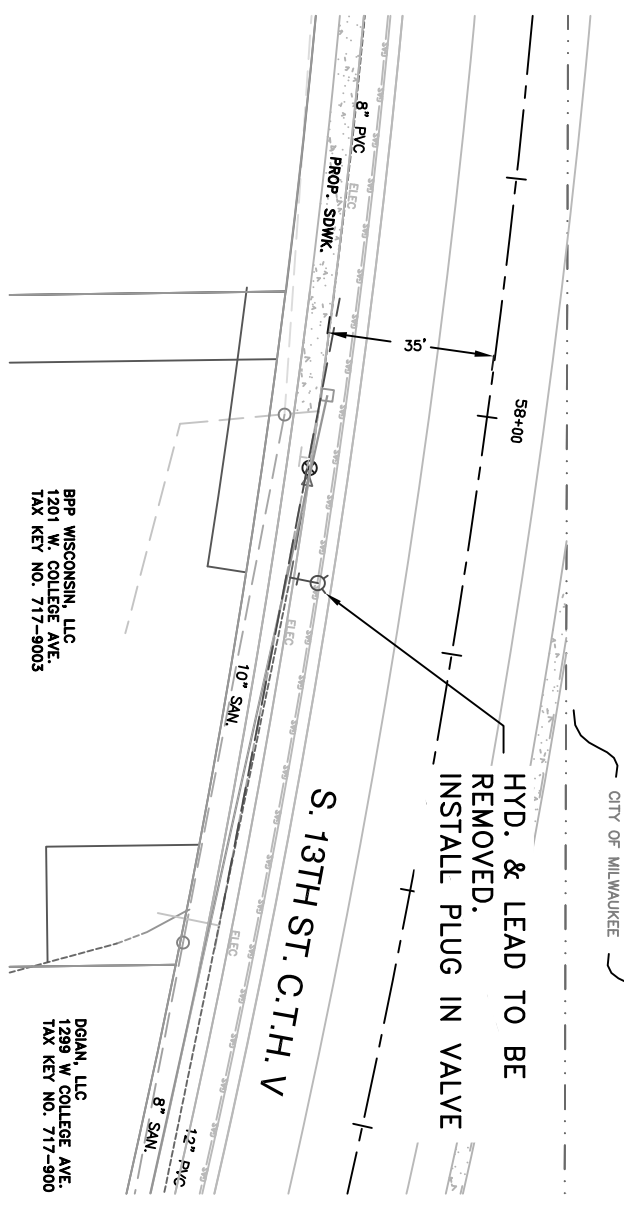
MEGAL DEVELOPMENT CORP.  
6900 S. 13TH ST.  
TAX KEY NO. 735-9029

MICHAEL MAZUR  
6924 S. 13TH ST.  
TAX KEY NO. 735-9008

JOHN P. & DIANE KARPFRINGER  
6939 S. 13TH ST.  
TAX KEY NO. 736-8990

BPP WISCONSIN, LLC  
1201 W. COLLEGE AVE.  
TAX KEY NO. 717-9003

DGIAN, LLC  
1299 W COLLEGE AVE.  
TAX KEY NO. 717-900



This is to certify that this plan was approved by the Water Works and Sewer Utility Commission of Oak Creek at a regular meeting.

**ESTIMATE OF QUANTITIES**

BID ITEM NOS.	DESCRIPTION	QUANTITY
1.	PROP. 12" WATER MAIN OFFSET	1 L.S.
4.	REMOVE HYDRANT	1 EA.

Utility Engineer \_\_\_\_\_ Date \_\_\_\_\_

**CITY OF OAK CREEK, WISCONSIN**

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
BLJ	4/7/2010	SAG	4/7/2010		

**PROP. WATER MAIN RELAY & HYDRANT REMOVAL**  
IN: S. 13TH ST. C.T.H. V  
AT: 50' S. OF W. NORTHBRANCH BLVD.  
AT: 275' S. OF W. COLLEGE AVE.

APPROVED BY \_\_\_\_\_

UTILITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

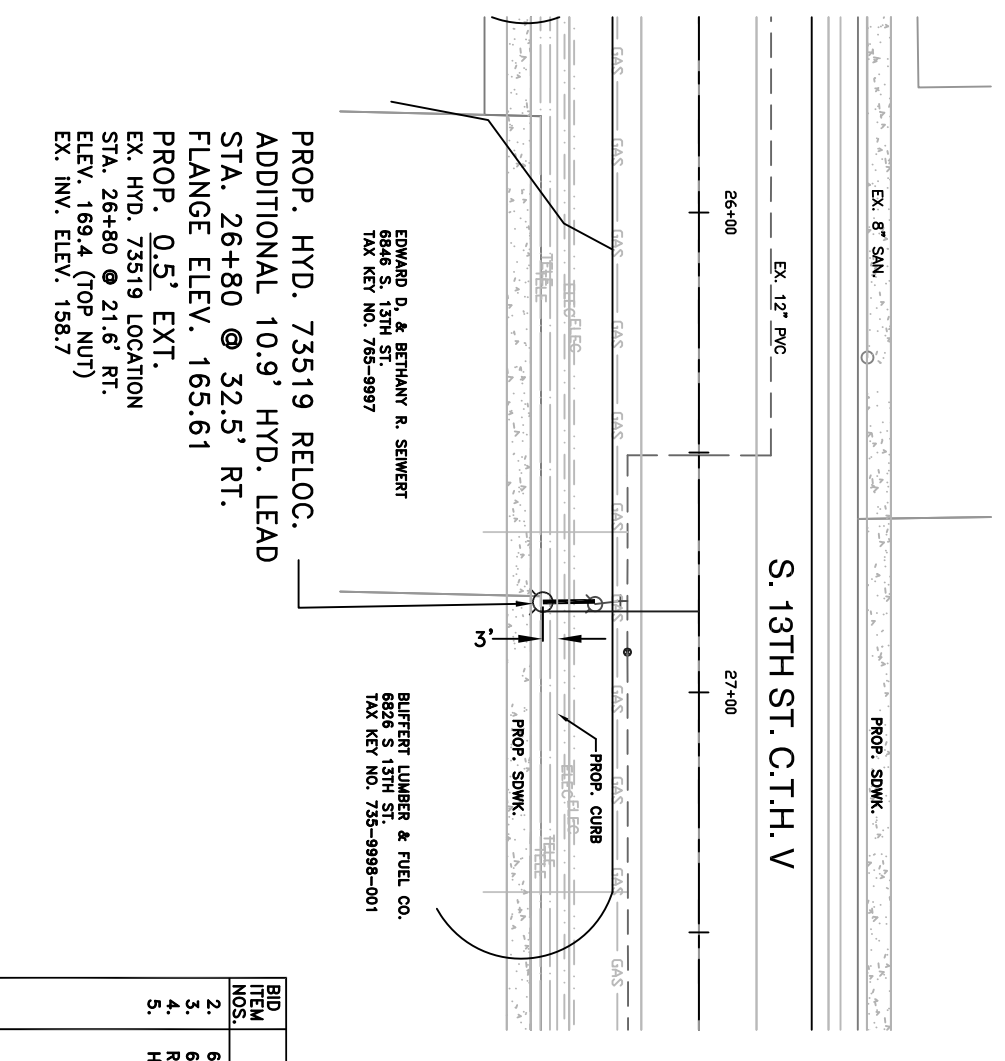
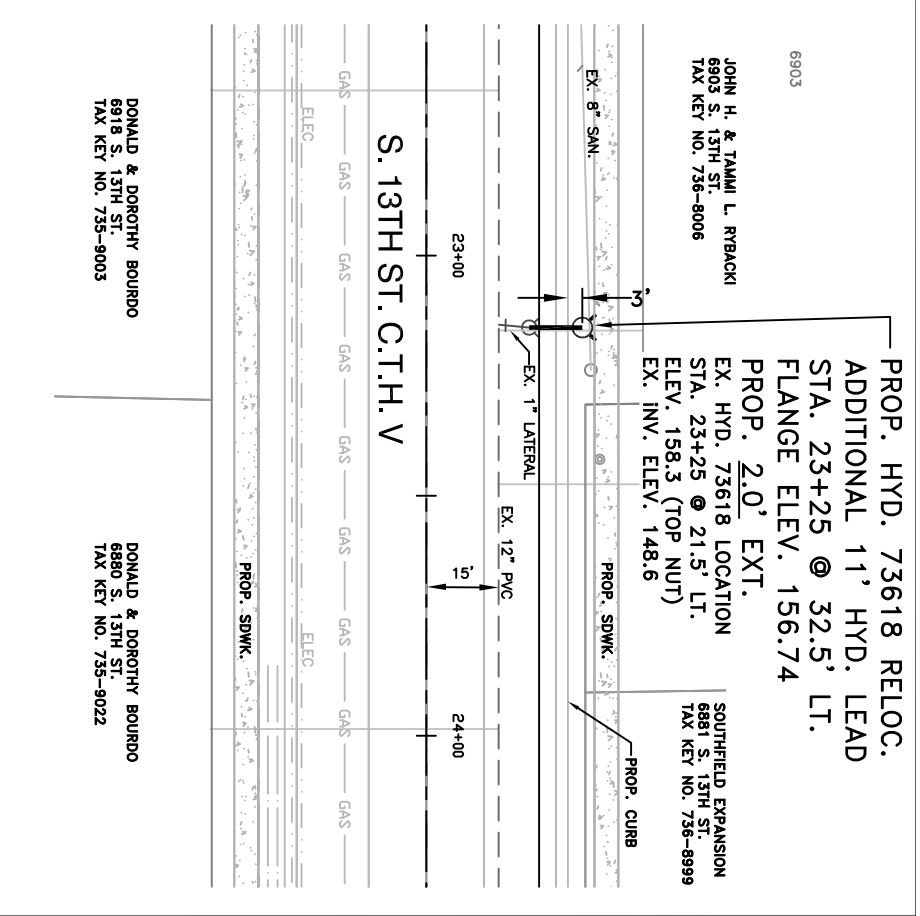
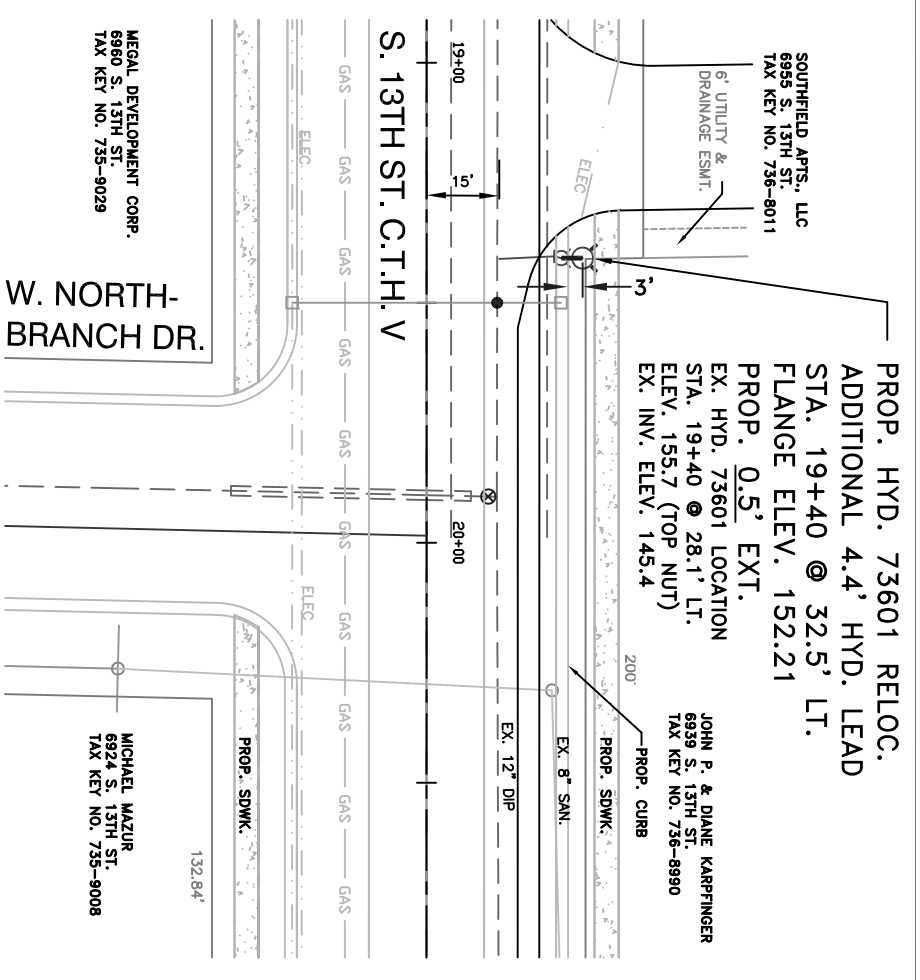
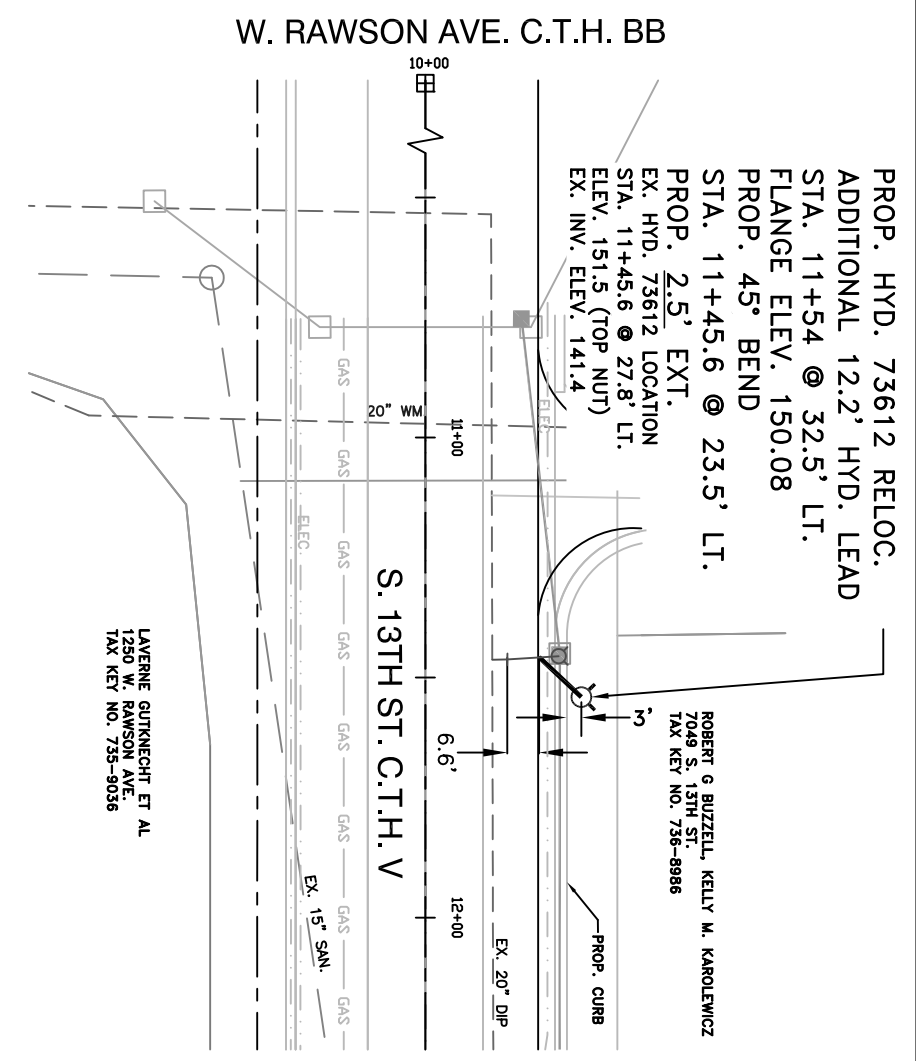
SCALE \_\_\_\_\_ SHEET \_\_\_\_\_

PLAN 1"=40'  
HOR. 1"=40'  
PROFILE 1"=40'  
VER. 1"=4'

FILE NO:10101-20-1902

**NOTES**  
ALL UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION.  
ALL WATER MAIN SHALL INCLUDE BLUE #10 TRACER WIRE LOOPED AT HYDRANTS AND AS NOTED ON THE PLANS IN A TRACER WIRE ACCESS BOX. TRACER WIRE ENDS SHALL BE BONDED TO 8' COPPER GROUND ROD.  
UTILITY INFORMATION:  
UTILITIES PRESENT:  
PRIOR TO CONSTRUCTION, CONTACT DIGGERS HOTLINE FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.

DIGGERS HOTLINE: 1-800-242-8511



**NOTE:**  
 ALL UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION.

ALL WATER MAIN SHALL INCLUDE BLUE #10 TRACER WIRE LOOPED AT HYDRANTS AND AS NOTED ON THE PLANS IN A TRACER WIRE ACCESS BOX. TRACER WIRE ENDS SHALL BE BONDED TO 8" COPPER GROUND ROD.

**UTILITY INFORMATION:**  
 UTILITIES PRESENT:  
 PRIOR TO CONSTRUCTION, CONTACT DIGGERS HOTLINE FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.

DIGGERS HOTLINE: 1-800-242-8511

This is to certify that this plan was approved by the Water Works and Sewer Utility Commission of Oak Creek at a regular meeting.

Utility Engineer \_\_\_\_\_ Date \_\_\_\_\_

PROP. HYD. 73519 RELOC.  
 ADDITIONAL 10.9' HYD. LEAD  
 STA. 26+80 @ 32.5' RT.  
 FLANGE ELEV. 165.61  
 PROP. 0.5' EXT.  
 EX. HYD. 73519 LOCATION  
 STA. 26+80 @ 21.6' RT.  
 ELEV. 169.4 (TOP NUT)  
 EX. INV. ELEV. 158.7

PROP. HYD. 73601 RELOC.  
 ADDITIONAL 4.4' HYD. LEAD  
 STA. 19+40 @ 32.5' LT.  
 FLANGE ELEV. 152.21  
 PROP. 0.5' EXT.  
 EX. HYD. 73601 LOCATION  
 STA. 19+40 @ 28.1' LT.  
 ELEV. 155.7 (TOP NUT)  
 EX. INV. ELEV. 145.4

PROP. HYD. 73618 RELOC.  
 ADDITIONAL 11' HYD. LEAD  
 STA. 23+25 @ 32.5' LT.  
 FLANGE ELEV. 156.74  
 PROP. 2.0' EXT.  
 EX. HYD. 73618 LOCATION  
 STA. 23+25 @ 21.5' LT.  
 ELEV. 158.3 (TOP NUT)  
 EX. INV. ELEV. 148.6

BID ITEM NOS.	ESTIMATE OF QUANTITIES
2.	6" HYDRANT LEAD ..... 38.5 LF.
3.	6" 45° BEND ..... 1 EA.
4.	REMOVE HYDRANT ..... 4 EA.
5.	HYDRANT ..... 4 EA.

SA.	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
ST.	BLJ	4/7/2010	SAG	4/7/2010			UTILITY ENGINEER	
W.							APPROVED BY	
G.								
E.								
T.								
I.								
TS.								
PP.								
	REVISION BY	DATE						

CITY OF OAK CREEK, WISCONSIN

PROP. HYDRANT RELOCATIONS

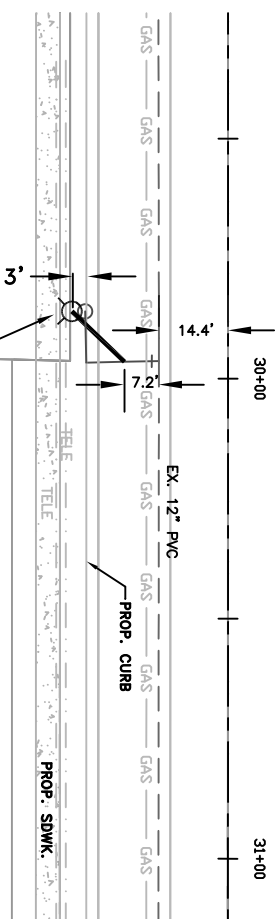
IN: S. 13TH ST. C.T.H. V

73612 - 145' N. OF W. RAWSON AVE.  
 73601 - 50' S. OF W. NORTHRANCH BLVD.  
 73618 - 325' N. OF W. NORTHRANCH DR.  
 73519 - 645' S. OF W. ANDERSON CT.

PLAN	1"=40'	DATE	
PROFILE	1"=40'	SHEET	3 OF
HOR.	1"=40'		
VER.	1"=4'		5
FILE NO.	10101-3C-1903		

PROP. SDWK.

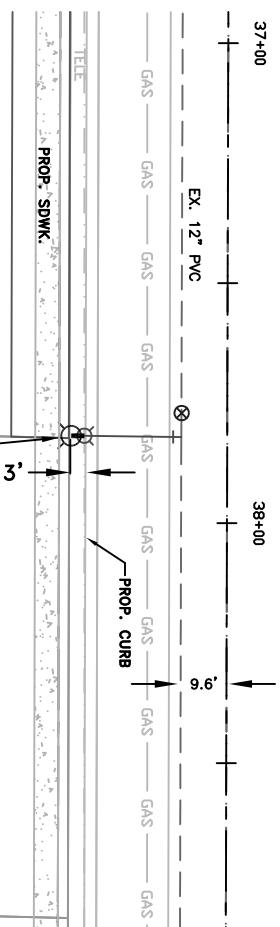
### S. 13TH ST. C.T.H. V



PROP. HYD. 73518 RELOC.  
ADDITIONAL 15.2' HYD. LEAD  
STA. 29+86 @ 32.5' RT.  
FLANGE ELEV. 168.44  
PROP. 45' BEND  
STA. 29+96.5 @ 21.6' RT.  
PROP. 1.0' EXT.  
REMOVE & REPLACE  
EX. HYD. 73518 LOCATION  
STA. 29+86 @ 29.8' RT.  
ELEV. 171.5 (TOP NUT)  
EX. INV. ELEV. 161

CITY OF MILWAUKEE

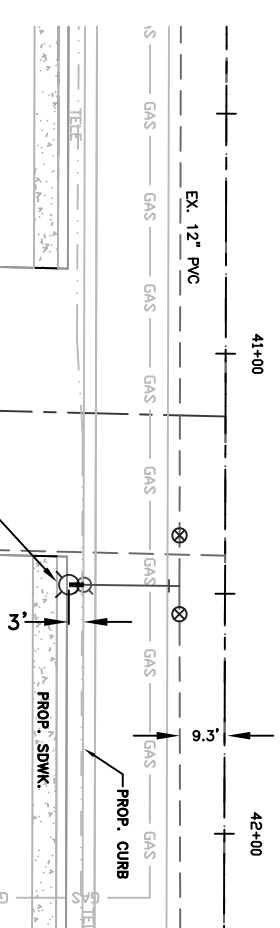
### S. 13TH ST. C.T.H. V



PROP. HYD. 71719 RELOC.  
ADDITIONAL 2.7' HYD. LEAD  
STA. 37+82 @ 32.5' RT.  
FLANGE ELEV. 164.0  
PROP. 0.5' EXT.  
REMOVE & REPLACE  
EX. HYD. 71719 LOCATION  
STA. 37+82 @ 29.8' RT.  
ELEV. 166.8 (TOP NUT)  
EX. INV. ELEV. 157

CITY OF MILWAUKEE

### S. 13TH ST. C.T.H. V



PROP. HYD. 71718 RELOC.  
ADDITIONAL 3.1' HYD. LEAD  
STA. 41+49 @ 32.5' RT.  
FLANGE ELEV. 162.0  
PROP. 1.0' EXT.  
REMOVE & REPLACE  
EX. HYD. 71718 LOCATION  
STA. 41+49 @ 29.4' RT.  
ELEV. 164.1 (TOP NUT)  
EX. INV. ELEV. 154.7

NOTE:  
ALL UNDERGROUND STRUCTURES AND UTILITIES  
HAVE BEEN SHOWN TO A REASONABLE DEGREE  
OF ACCURACY AND IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY TO VERIFY  
THEIR EXACT LOCATION.

ALL WATER MAIN SHALL INCLUDE BLUE #10  
TRACER WIRE LOOPED AT HYDRANTS AND AS  
NOTED ON THE PLANS IN A TRACER WIRE  
ACCESS BOX. TRACER WIRE ENDS SHALL BE  
BONDED TO 8" COPPER GROUND ROD.

UTILITY INFORMATION:  
UTILITIES PRESENT:  
PRIOR TO CONSTRUCTION, CONTACT  
DIGGERS HOTLINE FOR EXACT  
LOCATIONS OF UNDERGROUND  
UTILITIES.  
DIGGERS HOTLINE: 1-800-242-8511

## ESTIMATE OF QUANTITIES

BID ITEM NOS.	ESTIMATE OF QUANTITIES
2.	6" HYDRANT LEAD ..... 21 L.F.
3.	6" 45' BEND ..... 1 EA.
4.	REMOVE HYDRANT ..... 3 EA.
6.	REPLACE HYDRANT ..... 3 EA.

This is to certify that this plan  
was approved by the Water Works  
and Sewer Utility Commission of  
Oak Creek at a regular meeting.

Utility Engineer \_\_\_\_\_ Date \_\_\_\_\_



## CITY OF OAK CREEK, WISCONSIN

DESIGNED BY: BLJ DATE: 4/7/2010  
DRAWN BY: SAG DATE: 4/7/2010  
CHECKED BY: DATE: \_\_\_\_\_

**PROP. HYDRANT RELOCATIONS**  
IN: S. 13TH ST. C.T.H. V  
73518 - 325' S. OF W. ANDERSON CT.  
71719 - 455' N. OF W. ANDERSON CT.  
71718 - S. 13TH ST. & W. PELTON DR.

APPROVED BY \_\_\_\_\_

UTILITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

SCALE \_\_\_\_\_ SHEET \_\_\_\_\_

PLAN 1"=40' \_\_\_\_\_ 4 \_\_\_\_\_

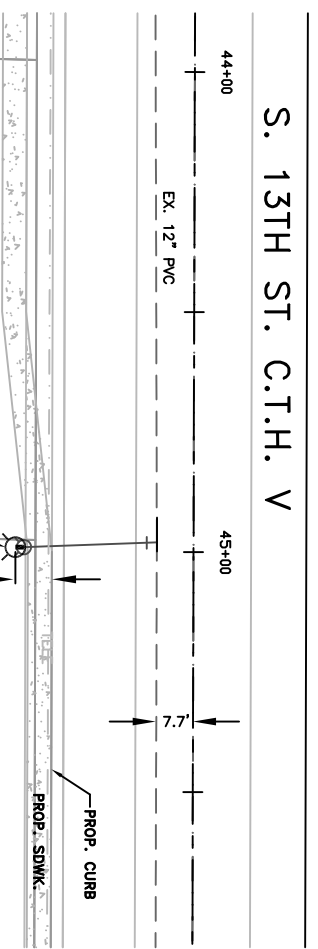
PROFILES 1"=40' \_\_\_\_\_ OF \_\_\_\_\_

VER. 1"=4' \_\_\_\_\_ 5 \_\_\_\_\_

REVISION BY \_\_\_\_\_ DATE \_\_\_\_\_

FILE NO.: 10101-4C-1904





BARRICADE FLASHER SERVICE INC.  
6550 S. 13TH ST.  
TAX KEY NO. 717-9984

TRI STAR PROPERTIES LLP  
6548 S. 13TH ST.  
TAX KEY NO. 717-9986

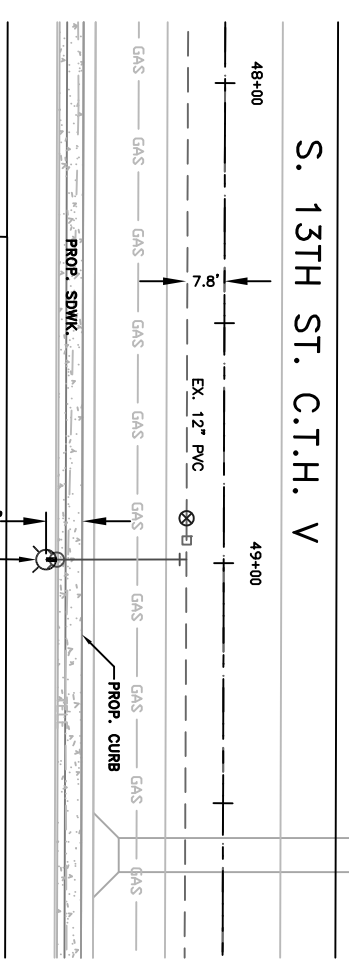
PROP. HYD. 71717 RELOC.  
ADDITIONAL 1.8' HYD. LEAD  
STA. 44+98 @ 37.1' RT.  
FLANGE ELEV. 159.6  
PROP. 1.0' EXT.  
REMOVE & REPLACE  
EX. HYD. 71717 LOCATION  
STA. 44+98 @ 35.3' RT.  
ELEV. 162 (TOP NUT)  
EX. INV. ELEV. 152.1

NOTE:  
ALL UNDERGROUND STRUCTURES AND UTILITIES  
HAVE BEEN SHOWN TO A REASONABLE DEGREE  
OF ACCURACY AND IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY TO VERIFY  
THEIR EXACT LOCATION.

ALL WATER MAIN SHALL INCLUDE BLUE #10  
TRACER WIRE LOOPED AT HYDRANTS AND AS  
NOTED ON THE PLANS IN A TRACER WIRE  
ACCESS BOX. TRACER WIRE ENDS SHALL BE  
BONDED TO 8' COPPER GROUND ROD.

UTILITY INFORMATION:  
UTILITIES PRESENT:  
PRIOR TO CONSTRUCTION, CONTACT  
DIGGERS HOTLINE FOR EXACT  
LOCATIONS OF UNDERGROUND  
UTILITIES.

DIGGERS HOTLINE: 1-800-242-8511



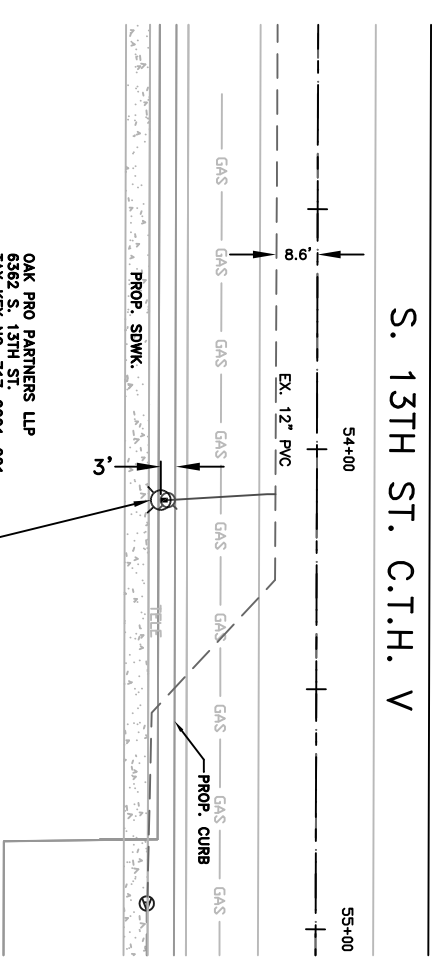
OAK PRO II, LLC  
6460 S. 13TH ST.  
TAX KEY NO. 717-9010

PROP. HYD. 71716 RELOC.  
ADDITIONAL 1.7' HYD. LEAD  
STA. 49+00 @ 37' RT.  
FLANGE ELEV. 160.68  
PROP. 4.5' EXT.  
REMOVE & REPLACE  
EX. HYD. 71716 LOCATION  
STA. 44+98 @ 35.3' RT.  
ELEV. 162 (TOP NUT)  
EX. INV. ELEV. 150



This is to certify that this plan  
was approved by the Water Works  
and Sewer Utility Commission of  
Oak Creek at a regular meeting.

Utility Engineer \_\_\_\_\_ Date \_\_\_\_\_



OAK PRO PARTNERS LLP  
6362 S. 13TH ST.  
TAX KEY NO. 717-9991-001

PROP. HYD. 71715 RELOC.  
ADDITIONAL 1.5' HYD. LEAD  
STA. 54+10 @ 32.5' RT.  
FLANGE ELEV. 162.58  
PROP. 0.5' EXT.  
REMOVE & REPLACE  
EX. HYD. 71715 LOCATION  
STA. 54+10 @ 31' RT.  
ELEV. 165.6 (TOP NUT)  
EX. INV. ELEV. 155.9

CITY OF OAK CREEK, WISCONSIN

PROP. HYDRANT RELOCATIONS

IN: S. 13TH ST. C.T.H. V  
71717 - 390' N. OF W. PELTON DR.  
71716 - 785' N. OF W. PELTON DR.  
71715 - 700' S. OF W. COLLEGE AVE.

DESIGNED BY: BLJ DATE: 4/7/2010 SAG DATE: 4/7/2010

CHECKED BY: DATE:

APPROVED BY	DATE
UTILITY ENGINEER	DATE
APPROVED BY	DATE
CITY ENGINEER	DATE
SCALE	SHEET
PLAN 1"=40'	5
PROFILE 1"=40'	OF
VER. 1"=4'	5

SA.	
ST.	
W.	
G.	
E.	
I.	
TS.	
PP.	
REVISION BY	DATE

ESTIMATE OF QUANTITIES

BID ITEM NOS.	
2.	6" HYDRANT LEAD
4.	REMOVE HYDRANT
6.	REPLACE HYDRANT
	3 EA.
	3 EA.

FILE NO.:10101-SC-1905